

Prüfbericht-Nr.: Test report no.:	CN266BGS 001	Auftrags-Nr.: Order no.:	27229851	Seite 1 von 31 Page 1 of 31
Kunden-Referenz-Nr.: Client reference no.:	2756017	Auftragsdatum: Order date:	2026-04-01	
Auftraggeber: Client:	Dongguan Nahai Supply Chain Management Co., Ltd. Room A602, Unit 1, Building 1, No.1 Nanshan Road, Songshanhu Park, Dongguan City 523799 Guangdong P.R. China			
Prüfgegenstand: Test item:	PD20W FAST CHARGING			
Bezeichnung / Typ-Nr.: Identification / Type no.:	TC-280, TC-275, TC-276, TC-278, TC-279, TC-281, TC-282, TC-283, TC-284, TC-285, TC-286, TC-135			
Auftrags-Inhalt: Order content:	TÜV Rheinland - EMC service			
Prüfgrundlage: Test specification:	EN 55032:2015+A11+A1 EN IEC 61000-3-2:2019+A1+A2 EN 61000-3-3:2013+A1+A2 EN 55035:2017+A11			
Wareneingangsdatum: Date of sample receipt:	2026-03-30			
Prüfmuster-Nr.: Test sample no.:	PRMS014260313A01/02			
Prüfzeitraum: Testing period:	Refer to test report			
Ort der Prüfung: Place of testing:	Refer to section 2.1			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shenzhen) Co., Ltd.			
Prüfergebnis*: Test result*:	Pass			
geprüft von: tested by: Felix Tao		genehmigt von: authorized by: Chris Mo		
Datum: Date: 2026-06-15		Ausstellungsdatum: Issue date: 2026-06-15		
Stellung / Position:	Assistant Manager	Stellung / Position:	Authorizer	
Sonstiges / Other:				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery:		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
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TEST SUMMARY

5.1.1 HARMONICS ON AC MAINS*RESULT: Pass***5.1.2 VOLTAGE FLUCTUATIONS ON AC MAINS***RESULT: Pass***5.1.3 CONDUCTED DISTURBANCE VOLTAGE AT MAINS TERMINALS***RESULT: Pass***5.2.1 RADIATED EMISSIONS (BELOW 1GHz)***RESULT: Pass***5.2.2 RADIATED EMISSIONS (ABOVE 1GHz)***RESULT: N/A***6.2.1 CONTINUOUS RF ELECTROMAGNETIC FIELD DISTURBANCES, SWEPT TEST***RESULT: Pass***6.2.2 CONTINUOUS RF ELECTROMAGNETIC FIELD DISTURBANCES, SPOT TEST***RESULT: Pass***6.2.3 RADIO-FREQUENCY COMMON MODE / CONDUCTED SUSCEPTIBILITY (CS)***RESULT: Pass***6.3.1 ELECTRICAL FAST TRANSIENTS (EFT)***RESULT: Pass***6.3.2 SURGE***RESULT: Pass***6.3.3 ELECTROSTATIC DISCHARGES (ESD)***RESULT: Pass***6.4.1 VOLTAGE DIPS AND INTERRUPTIONS***RESULT: Pass*

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1. General Remarks

1.1 Complementary Materials

All attachments are integral parts of this test report. This applies especially to the following appendix:

Appendix 1: Test Result

Appendix 2: Measurement Uncertainties

2. Test Sites

2.1 Test Facilities

Shenzhen Promise Test Technology Co., Ltd.

103, Building 1, Yibaolai Industrial City, Qiaotou Community, Fuhai Street, Baoan District, Shenzhen, Guangdong, China

Shenzhen TCT Testing Technology Co., Ltd.

2101 & 2201, Zhenchang Factory, Renshan Industrial Zone, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

The tests at the test sites have been conducted under the supervision of a TÜV engineer.

2.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

Kind of Equipment	Manufacturer	Type	S/N	Calibrated until
Conducted Emission (Promise)				
843 Shielded Room	ChengYu	843 Room	843	May 12, 2029
EMI Receiver	R&S	ESCI	100306	May 08, 2027
LISN	EMCO	3810/2	45732	May 08, 2027
Attenuator	R&S	ESH3-Z2	100243	May 08, 2027
843 Cable 1#	FUJIKURA	843C1#	001	May 08, 2027
Radiated Emission (Promise)				
966 Chamber	ChengYu	966 Room	966	May 13, 2029
Amplifier	HP	8447D	2727A05439	May 08, 2027
Log-periodic Antenna	Dublin	JB6	A121411	May 08, 2027
EMI Receiver	R&S	ESCI7	101481	May 08, 2027
966 Cable 1#	CHENGYU	966	003	May 08, 2027
ESD (Promise)				
ESD Generator	Prima	EED2005TG	PR20033568	May 08, 2027
EFT, Voltage Dips & Interruptions (Promise)				
Combined Interference Generator	Prima	EED2005TG	PR20033568	May 08, 2027
Capacitive Coupling Clamp	Prima	EFT-CLAMP	EFT-198	May 08, 2027
Surge (Promise)				
Surge Generator	Prima	SUG61005TB	PR210554993	May 08, 2027
Radio-Frequency Electromagnetic Field (RS) (TCT)				
Signal Generator	Agilent	N5181A	MY50141997	Jan. 19, 2027
Power Amplifier	SKET	HAP_80M01 G-250W	202105183	Jun. 25, 2026
Power Amplifier	SKET	HAP_01G06 G-80W	202305501	Jun. 25, 2026
Power Sensor	Agilent	U2001A	MY53410013	Jun. 25, 2026
Power Sensor	Agilent	U2001A	MZ54330012	Jan. 19, 2027
Field Probe	Narda	EP-601	811ZX01057	Jan. 19, 2027
Antenna	SKET	STLP 9129_Plus	/	/
Radio-Frequency Continuous Conducted (CS) (TCT)				
Conducted Immunity Test System	Schloder	CDG-6000-75	126B1290/2014	Jun. 25, 2026
CDN	Schloder	CDN M2+M3-16	A2210281/2014	Jun. 25, 2026
EM Clamp	Schloder	EMCL-20	132A1194/2014	Jun. 25, 2026
RF Attenuator	PE	75W 6dB	N/A	Jun. 25, 2026

3. General Product Information

3.1 Product Function and Intended Use

The **EUT (Equipment Under Test)** is PD20W FAST CHARGING used for multimedia equipment. All models are identical except for the model name, appearance, output rating and output port.

Model list and model difference:

Model	Output	Plug type	Output port	Appearance
TC-275 (BD-648 with the C port on the side)	5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A PPS:3.3-5.9V $\overline{\text{---}}$ 3A, 3.3 -11V $\overline{\text{---}}$ 2A	EU plug	USB-C	A type
TC-135 (BD-648 exterior A + C)	USB-C: 5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A USB-A: 5V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.0A, 12V $\overline{\text{---}}$ 1.5A USB-C+USB-A: 5V $\overline{\text{---}}$ 3.0A PPS: 3.3-5.9V $\overline{\text{---}}$ 3A, 3.3 -11V $\overline{\text{---}}$ 1.8A	EU plug	USB-C USB-A	
TC-276 (BD-649) The C port of the front panel is located in the middle when viewed in the horizontal direction.	5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A PPS: 3.3-5.9V $\overline{\text{---}}$ 3A, 3.3-11V $\overline{\text{---}}$ 1.8A	EU plug	USB-C	B type
TC-278 (BD-666 appearance)	5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A PPS: 3.3-5.9V $\overline{\text{---}}$ 3A, 3.3-11V $\overline{\text{---}}$ 1.8A	EU plug	USB-C	D type
TC-279 (X510 single C with wave-patterned casing)	5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A PPS: 3.3-5.9V $\overline{\text{---}}$ 3A, 3.3-11V $\overline{\text{---}}$ 1.8A	EU plug	USB-C	E type

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Model	Output	Plug type	Output port	Appearance
TC-280 (X510 A+C has a wave-shaped outer shell)	USB-C: 5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A USB-A: 5V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.0A, 12V $\overline{\text{---}}$ 1.5A USB-C+USB-A: 5V $\overline{\text{---}}$ 3.0A PPS: 3.3-5.9V $\overline{\text{---}}$ 3A, 3.3 -11V $\overline{\text{---}}$ 1.8A	EU plug	USB-C USB-A	
TC-281 (X510 single C, without wave patterns)	5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A PPS: 3.3-5.9V $\overline{\text{---}}$ 3A, 3.3-11V $\overline{\text{---}}$ 2A	EU plug	USB-C	F type
TC-282 (X510 A + C (X510 single C, without wave patterns))	USB-C: 5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A USB-A: 5V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.0A, 12V $\overline{\text{---}}$ 1.5A USB-C+USB-A: 5V $\overline{\text{---}}$ 3.0A PPS: 3.3-5.9V $\overline{\text{---}}$ 3A, 3.3 -11V $\overline{\text{---}}$ 1.8A	EU plug	USB-C USB-A	
TC-283 (BD-686 appearance)	USB-C: 5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A USB-A: 5V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.0A, 12V $\overline{\text{---}}$ 1.5A USB-C+USB-A: 5V $\overline{\text{---}}$ 3.0A PPS: 3.3-5.9V $\overline{\text{---}}$ 3A, 3.3 -11V $\overline{\text{---}}$ 1.8A	EU plug	USB-C USB-A	G type
TC-284 (BD-670 appearance)	USB-C: 5.0V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.22A, 12V $\overline{\text{---}}$ 1.67A USB-A: 5V $\overline{\text{---}}$ 3.0A, 9V $\overline{\text{---}}$ 2.0A, 12V $\overline{\text{---}}$ 1.5A	EU plug	USB-C USB-A	H type

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Model	Output	Plug type	Output port	Appearance
	USB-C+USB-A: 5V $\overline{=}$ 3.0A PPS: 3.3-5.9V $\overline{=}$ 3A, 3.3 -11V $\overline{=}$ 1.8A			
TC-285 (BD-669 appearance)	USB-C: 5.0V $\overline{=}$ 3.0A, 9V $\overline{=}$ 2.22A, 12V $\overline{=}$ 1.67A USB-A: 5V $\overline{=}$ 3.0A, 9V $\overline{=}$ 2.0A, 12V $\overline{=}$ 1.5A USB-C+USB-A: 5V $\overline{=}$ 3.0A PPS: 3.3-5.9V $\overline{=}$ 3A, 3.3 -11V $\overline{=}$ 1.8A	EU plug	USB-C USB-A	I type
TC-286 (X500 appearance)	USB-C: 5.0V $\overline{=}$ 3.0A, 9V $\overline{=}$ 2.22A, 12V $\overline{=}$ 1.67A USB-A: 5V $\overline{=}$ 3.0A, 9V $\overline{=}$ 2.0A, 12V $\overline{=}$ 1.5A USB-C+USB-A: 5V $\overline{=}$ 3.0A PPS: 3.3-5.9V $\overline{=}$ 3A, 3.3 -11V $\overline{=}$ 1.8A	EU plug	USB-C USB-A	J type

For more information refer to the Circuit Diagram & Instruction Manual.

3.2 Ratings and System Details

System Input Voltage:	AC 100-240V
Frequency:	50/60Hz
Rated Input Current:	0.6A
Rated Output:	Refer to section 3.1
Protection Class:	II
Highest internal frequency:	Fx<108MHz

3.3 Independent Operation Modes

The basic operation modes are:

- A. On
 - 1. Full load
 - 2. Half load
 - 3. No load
- B. Off

3.4 Input / Output Ports

Port #	Name	Type*	Cable Max. >3m	Cable Shielded	Comments
0	Enclosure	N/E	-	-	None
1	AC Mains	AC	-	-	None
2	USB-C Output	DC	No	No	None
3	USB-A Output	DC	No	No	None
*AC = AC Power Port DC = DC Power Port N/E = Non-Electrical I/O = Signal Input or Output Port (Not Involved in Process Control) TP = Telecommunication Ports					

3.5 Noise Generating and Noise Suppressing Parts

Sources of Interference:

- 1. IC Circuits
- 2. Transformer

*Highest internal frequency: $F_x < 108\text{MHz}$

Refer to the Circuit Diagram/Photo Document for details.

Noise Suppressing Parts:

- 1. Inductor
- 2. Capacitor

Refer to Circuit Diagram/Photo Document for details.

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3.6 Submitted Documents

- Circuit Diagram

- Rating Label

4. Test Set-up and Operation Modes

4.1 Principle of Configuration Selection

Emission: The equipment under test (EUT) was configured to measure its highest possible radiation level. The test modes were adapted accordingly in reference to the instructions for use.

Immunity: The equipment under test (EUT) was configured to have its highest possible susceptibility against the tested phenomena. The test modes were adapted accordingly in reference to the instructions for use.

4.2 Test Operation and Test Software

Test operation refers to test setup in chapter 5 and 6.

Pre-test in all operation modes, and find out the worst case for compliance test.

According to section 3.1, full tests were applied on models TC-280 and TC-275.

4.3 Special Accessories and Auxiliary Equipment

The EUT was tested together with the following accessories:

Item	Manufacturer	M/N	S/N
PD Regulator	Longxing	LX-CFTPD	--
Digital Multimeter	Fluke	18B+	--
Digital Multimeter	Fluke	115C	--
Resistive Load	Ruijing	--	--

4.4 Countermeasures to achieve EMC Compliance

The test samples, which have been tested, contained the noise suppression parts as described in the Technical Construction File. No additional measures were employed to achieve compliance.

5. Test Results EMISSION

5.1 Emission in the Frequency Range up to 30 MHz

5.1.1 Harmonics on AC Mains

RESULT:**Pass**

Test procedure	:	EN IEC 61000-3-2:2019+A1+A2
Class	:	A
Limit	:	Table 1 of EN IEC 61000-3-2:2019+A1+A2

The EUT's rated power is less than 75W and does not belong to lighting equipment, therefore harmonic current test is not applicable in accordance with Clause 7 of EN IEC 61000-3-2:2019+A1+A2.

5.1.2 Voltage Fluctuations on AC Mains

RESULT:**Pass**

Test procedure	:	EN 61000-3-3:2013+A1+A2
Limit	:	Clause 5 of EN 61000-3-3:2013+A1+A2
Frequency range	:	0 - 2kHz

The maximum input power of the EUT is around 20W, which unlikely to produce significant voltage fluctuation. Therefore no test was applied.

See clause 6.1***

*** EN 61000-3-3:2013+A1+A2, clause 6.1:" ... Tests need not be made on equipment which is unlikely to produce significant voltage fluctuations or flicker. ..."

5.1.3 Conducted Disturbance Voltage at Mains Terminals

RESULT:**Pass**

Date of testing	:	Refer to Appendix 1
Test standard	:	EN 55032:2015+A11+A1
Frequency range	:	0.150 - 30MHz
Classification	:	Class B
Limits	:	Table A.10 of EN 55032:2015+A11+A1
Kind of test site	:	Shielded room
Tested Port	:	AC Mains

Test setup

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Condition	:	According to clause C.3.5 & Annex D of EN 55032:2015+A11+A1
Operation mode	:	A
Artificial hand	:	Not applied
Earthing	:	Not connected
Ambient temperature	:	Refer to Appendix 1
Relative humidity	:	Refer to Appendix 1
Atmospheric pressure	:	101kPa

Refer to attached Appendix 1.

5.2 Emission in the Frequency Range above 30 MHz

5.2.1 Radiated Emissions (Below 1GHz)

RESULT:**Pass**

Date of testing	:	Refer to Appendix 1
Test standard	:	EN 55032:2015+A11+A1
Frequency range	:	30 - 1000MHz*
Classification	:	Class B
Limits	:	Table A.4 of EN 55032:2015+A11+A1
Kind of test site	:	3m Semi-Anechoic Chamber
Tested Port	:	Enclosure

Test setup

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Condition	:	According to clause 7.3 of CISPR 16-2-3:2016 & Annex D of EN 55032:2015+A11+A1
Operation mode	:	A
Earthing	:	Not connected
Ambient temperature	:	Refer to Appendix 1
Relative humidity	:	Refer to Appendix 1
Atmospheric pressure	:	101kPa

*Remark: The highest internal source of an EUT is defined as the highest frequency generated or used within the EUT or on which the EUT operates or tunes, details refer to section 3.2.

- ☒ highest frequency is less than 108MHz, measurement shall only be made up to 1GHz
☐ highest frequency is between 108 & 500MHz, measurement shall only be made up to 2GHz
☐ highest frequency is between 500 & 1GHz, measurement shall only be made up to 5GHz
☐ highest frequency is above 1GHz, measurement shall be made up to 5 times the highest frequency or 6GHz, whichever is less

Method: Measurements were made in a 3-meter semi-anechoic chamber that complies to CISPR 16. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3 meter below 1GHz. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (quasi-peak detector below 1GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.

Refer to attached Appendix 1.

5.2.2 Radiated Emissions (Above 1GHz)

RESULT:**N/A**

Date of testing	:	--
Test standard	:	EN 55032:2015+A11+A1
Frequency range	:	1 – 6GHz*
Classification	:	Class B
Limits	:	Table A.5 of EN 55032:2015+A11+A1
Kind of test site	:	3m Semi-Anechoic Chamber with RF absorber on the RGP
Tested Port	:	Enclosure

*Remark: The highest internal source of an EUT is defined as the highest frequency generated or used within the EUT or on which the EUT operates or tunes, details refer to section 3.2.

- ☒ Highest frequency is less than 108MHz, measurement shall only be made up to 1GHz
- ☐ Highest frequency is between 108 & 500MHz, measurement shall only be made up to 2GHz
- ☐ Highest frequency is between 500 & 1GHz, measurement shall only be made up to 5GHz
- ☐ Highest frequency is above 1GHz, measurement shall be made up to 5 times the highest frequency or 6GHz, whichever is less.

Method: Measurements were made in a 3-meter semi-anechoic chamber or Open Area Test Site that complies to CISPR 16. Preliminary (peak) measurements were performed at an antenna to EUT separation distance of 3 meter above 1GHz. The EUT was rotated 360° about its azimuth with the receive antenna located at various heights in horizontal and vertical polarities. Final measurements (average detector above 1GHz) were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.

6. Test Results IMMUNITY

6.1 Classification of apparatus

According to EN 55035:2017+A11, the EUT shall be tested in accordance with clause 4 & 5, and comply with the performance criterion in table 1 & 4 of clause 5.

Continuous Disturbance

Continuous RF electromagnetic field disturbances swept test, spot test	Criterion A
Radio-Frequency Continuous Conducted	Criterion A
Power Frequency Magnetic Fields *	Criterion A

Transient Disturbance

Fast Transients (EFT)	Criterion B
Surge	Criterion B
Electrostatic Discharges (ESD)	Criterion B

Power supply Alterations

Voltage Dips, >95% reduction, 0.5 period	Criterion B
30% reduction, 25 periods at 50Hz	Criterion C
30% reduction, 30 periods at 60Hz	Criterion C
Voltage Interruptions, >95% reduction, 250 periods at 50Hz	Criterion C
>95% reduction, 300 periods at 60Hz	Criterion C

Remark:

* The EUT does not contain devices susceptible to magnetic fields, therefore the Power-Frequency Magnetic Fields test is not necessary.

6.2 Continuous Disturbances

6.2.1 Continuous RF electromagnetic field disturbances, swept test

RESULT:**Pass**

Date of Testing : 2026-04-09
Test Specification : EN 55035:2017+A11
Basic Standard : IEC 61000-4-3:2006+A1+A2
Criterion : A
Frequency Range : 80 - 1000MHz
Test Level : 3V/m (Unmodulated, rms)
Modulation : 80% AM, 1kHz
Antenna Distance : 3m
Test Port : Enclosure

Test setup

Input Voltage : AC 100-240V, 50/60Hz
Operation Mode : A
Earthing : Not connected
Ambient Temperature : 24.5°C
Relative Humidity : 50%
Atmospheric Pressure : 101kPa

Test Result:

Frequency Range	Polarization	Test Level (Unmodulated, rms)	Performance Criterion	Location	Result
80 - 1000MHz	Horizontal and Vertical	3V/m	A	Front/Rear/Left /Right	Pass

Remark: No degradation was observed during and after the tests.

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6.2.2 Continuous RF electromagnetic field disturbances, spot test

RESULT:
Pass

Date of Testing : 2026-04-09
 Test Specification : EN 55035:2017+A11
 Basic Standard : IEC 61000-4-3:2006+A1+A2
 Criterion : A
 Frequency Range : 1800MHz, 2600MHz, 3500MHz, 5000MHz
 Test Level : 3V/m (Unmodulated, r.m.s.)
 Modulation : AM 80%, 1kHz sine-wave
 Antenna Distance : 3m
 Test Port : Enclosure

Test setup

Input Voltage : AC 100-240V, 50/60Hz
 Operation Mode : A
 Earthing : Not connected
 Ambient temperature : 24.5°C
 Relative humidity : 50%
 Atmospheric pressure : 101kPa

Test Result:

Frequency Range	Polarization	Test Level (Unmodulated, rms)	Performance Criterion	Location	Result
1800MHz, 2600MHz, 3500MHz, 5000MHz	Horizontal and Vertical	3V/m	A	Front/Rear/Left/Right	Pass

Remark: No degradation was observed during and after the tests.

6.2.3 Radio-frequency Common Mode / Conducted Susceptibility (CS)

RESULT:
Pass

Date of testing : 2026-04-13
 Test Specification : EN 55035:2017+A11
 Basic Standard : IEC 61000-4-6:2008
 Criterion : A
 Frequency range : 0.15 – 80MHz
 Source impedance : 150Ω
 Test level : 3V (0.15-10MHz), 3 to 1V (10-30MHz),
 1V (30-80MHz) (unmodulated, r.m.s.)
 Modulation : AM 80%, 1kHz sine-wave
 Sweep mode : automatic
 Sweep rate : < 1.5×10⁻³ decade / sec.
 Test Port : AC Mains

Test setup

Input Voltage : AC 100-240V, 50/60Hz
 Operation Mode : A
 Earthing : Not connected
 Ambient temperature : 24.5°C
 Relative humidity : 50%
 Atmospheric pressure : 101kPa

Test Result:

Ports	Coupling Network	Frequency Range	Test Level	Criterion	Result
AC Mains	CDN-M2	0.15 - 10 MHz	3V (rms)	A	Pass
		10 - 30 MHz	3 to 1V (rms)	A	Pass
		30 - 80 MHz	1V (rms)	A	Pass

Remark: No degradation was observed during and after the tests.

6.3 Transient Disturbances

6.3.1 Electrical Fast Transients (EFT)

RESULT:
Pass

Date of testing : 2026-04-13
 Test Specification : EN 55035:2017+A11
 Basic Standard : IEC 61000-4-4:2012
 Criterion : B
 Test level : $\pm 1\text{kV}$
 Test duration : 120sec
 Rise time : 5/50ns
 Repetition frequency : 5 kHz
 Test Port : AC Mains

Test setup

Input Voltage : AC 100-240V, 50/60Hz
 Operation Mode : A
 Earthing : Not connected
 Ambient temperature : 25.5°C
 Relative humidity : 51%
 Atmospheric pressure : 101kPa

Test Result:

Ports	Coupling	Polarity	Voltage	Result
AC Mains	CDN (AC Mains, L+N)	+	☐ 2 kV	Pass
		-	☒ 1 kV ☐ 0.5 kV	Pass

Remark: No degradation was observed during and after the tests.

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6.3.2 Surge**RESULT:****Pass**

Date of testing : 2026-04-13
Test Specification : EN 55035:2017+A11
Basic Standard : IEC 61000-4-5:2005
Criterion : B
Source impedance : 2Ω
Test level : $\pm 1\text{kV}$
Coupling phases : 90° , 270°
Number of surges : 5 (for each combination of parameters)
Repetition rate : Max. 1/min
Test Port : AC Mains

Test Setup

Input Voltage : AC 100-240V, 50/60Hz
Operation Mode : A
Earthing : Not connected
Ambient temperature : 25.4°C
Relative humidity : 51%
Atmospheric pressure : 101kPa

Test Result:

Ports	Test Level	Coupling Mode	Phase	Performance Criteria	Result
AC Mains	$\pm 1\text{kV}$	L-N	90° , 270°	B	Pass

Remark: No degradation was observed during and after the tests.

6.3.3 Electrostatic Discharges (ESD)

RESULT:

Pass

Date of testing	:	2026-04-14
Test Specification	:	EN 55035:2017+A11
Basic Standard	:	IEC 61000-4-2:2008
Criterion	:	B
Charge voltage	:	±2.0, ±4.0, ±8.0kV (air discharge) ±4.0kV (contact discharge)
Number of discharges	:	>10
Test Port	:	Enclosure

Test Setup

Input Voltage	:	AC 100-240V, 50/60Hz
Operation Mode	:	A
Earthing	:	Not connected
Ambient temperature	:	25°C
Relative humidity	:	51%
Atmospheric pressure	:	101kPa

Test Result:

Type of discharge	Test voltage		No. of discharges		Polarity	Result
Indirect – HCP	☐	8 kV	☐	50	+	☒ Pass ☐ Fail ☐ N/A
	☐	6 kV	☒	20	-	☒ Pass ☐ Fail ☐ N/A
Indirect – VCP	☒	4 kV				
	☐	8 kV	☐	50	+	☒ Pass ☐ Fail ☐ N/A
	☐	6 kV	☒	20	-	☒ Pass ☐ Fail ☐ N/A
	☒	4 kV				
Direct – Contact (Conductive parts)	☐	8 kV	☐	50	+	☒ Pass ☐ Fail ☐ N/A
	☐	6 kV	☒	20	-	☒ Pass ☐ Fail ☐ N/A
Direct – Air (Non-conductive enclosure & Gap)	☒	4 kV				
	☒	2 kV	☒	20	+	☒ Pass ☐ Fail ☐ N/A
	☒	8 kV	☐	10	-	☒ Pass ☐ Fail ☐ N/A
	☐	15 kV				

Remark: No degradation was observed during and after the tests.

6.4 Power Supply Alterations

6.4.1 Voltage Dips and Interruptions

RESULT:**Pass**

Date of testing : 2026-04-14
Test Specification : EN 55035:2017+A11
Basic Standard : IEC 61000-4-11:2004
Criterion : B & C
Test Port : AC Mains

Test Setup

Input Voltage : AC 100-240V, 50/60Hz
Operation Mode : A
Earthing : Not connected
Ambient temperature : 25.2°C
Relative humidity : 51%
Atmospheric pressure : 101kPa

Test Result

Voltage Reduction	Number of cycles	Interval	Rep. Times	Criterion	Result
100%	0.5	10s	3	B	Pass *
30%	25 for 50Hz 30 for 60Hz	10s	3	C	Pass *
100%	250 for 50Hz 300 for 60Hz	10s	3	C	Pass **

Remark:

* No degradation was observed during and after the tests.

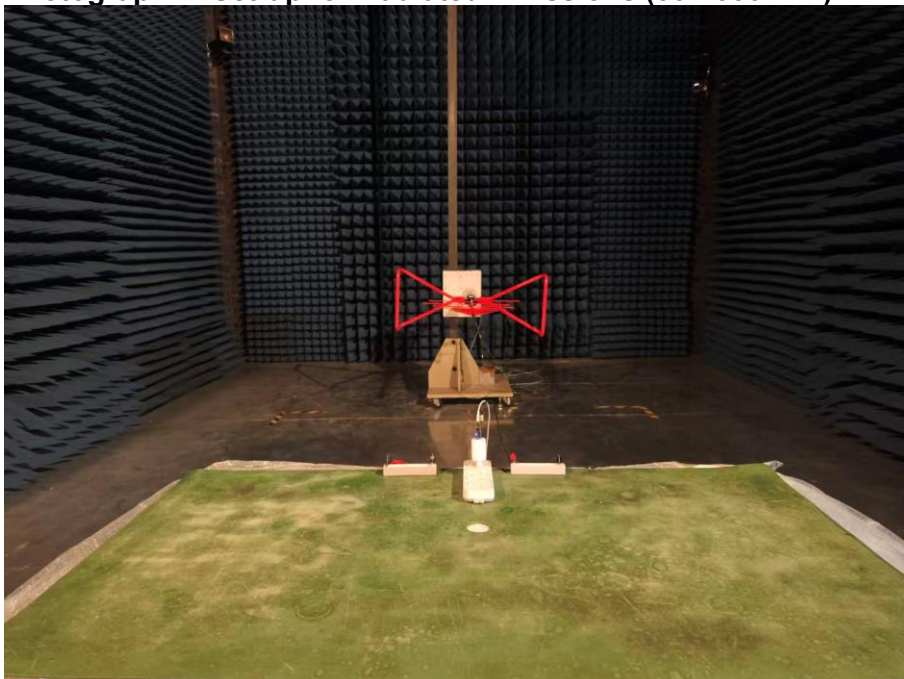
** During the test, no output was detected. However, it recovered automatically after test.

7. Photographs of the Test Set-Up

Photograph 1: Set-up for Conducted Disturbance Voltage at Mains Terminals



Photograph 2: Set-up for Radiated Emissions (30-1000MHz)



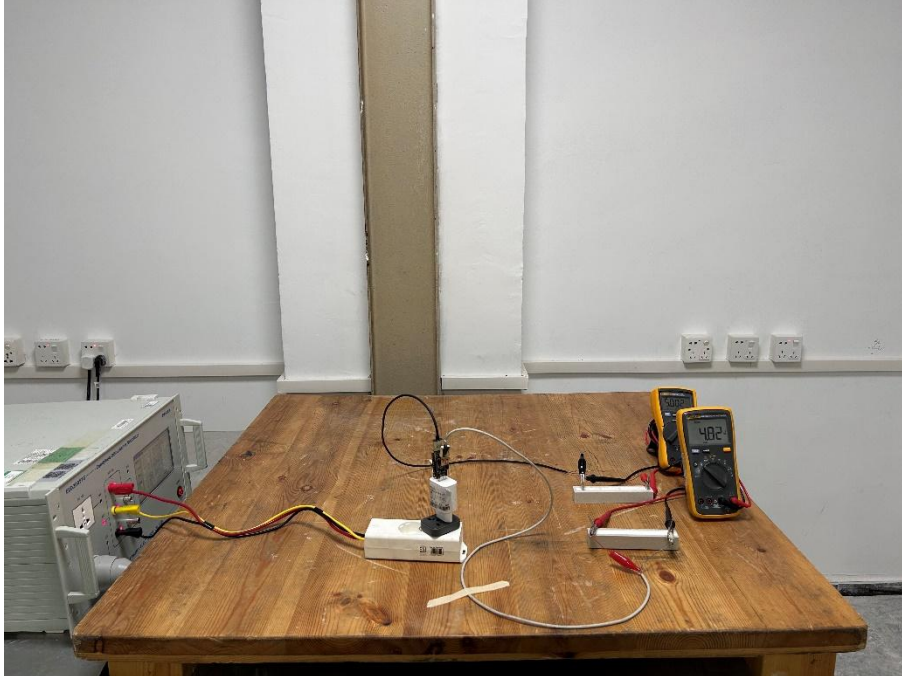
Photograph 3: Set-up for Continuous RF electromagnetic field disturbances



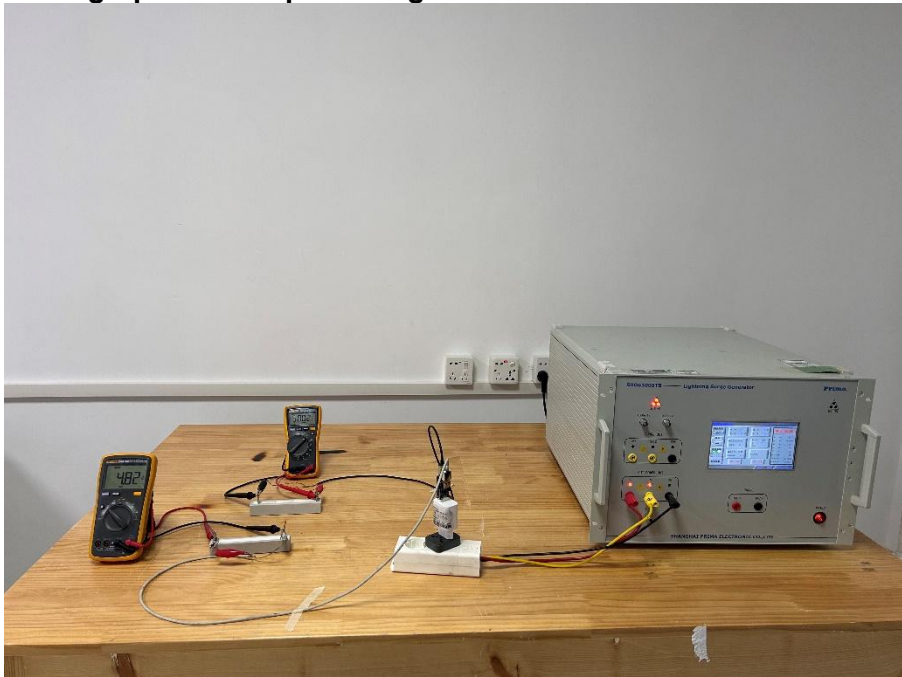
Photograph 4: Set-up for Radio-Frequency Common mode / Conducted Susceptibility



Photograph 5: Set-up for EFT



Photograph 6: Set-up for Surge



Photograph 7: Set-up for Electrostatic Discharges (ESD)



Photograph 8: Set-up for Voltage Dips and Interruptions



8. List of Tables

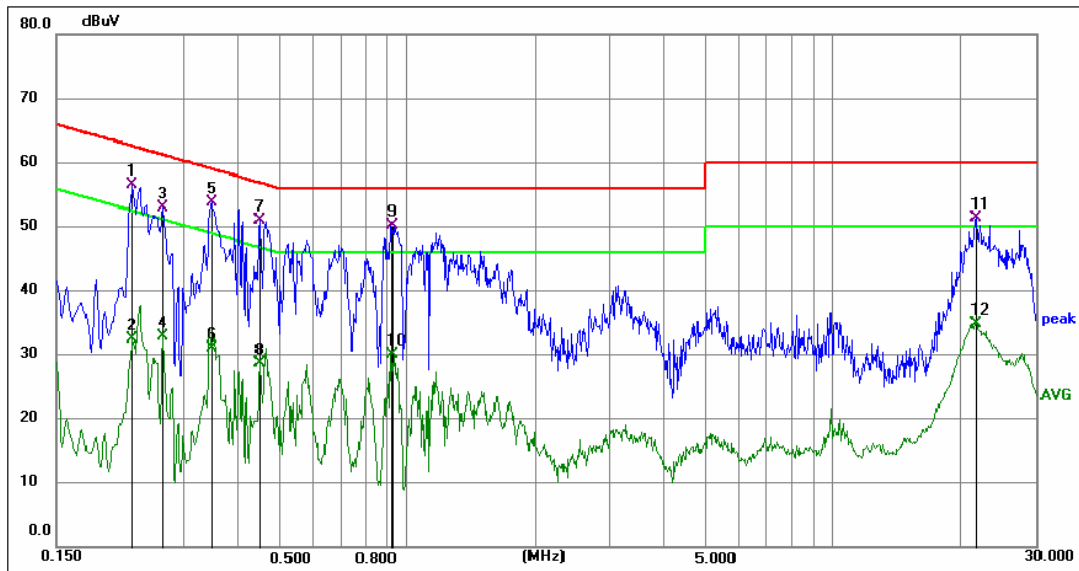
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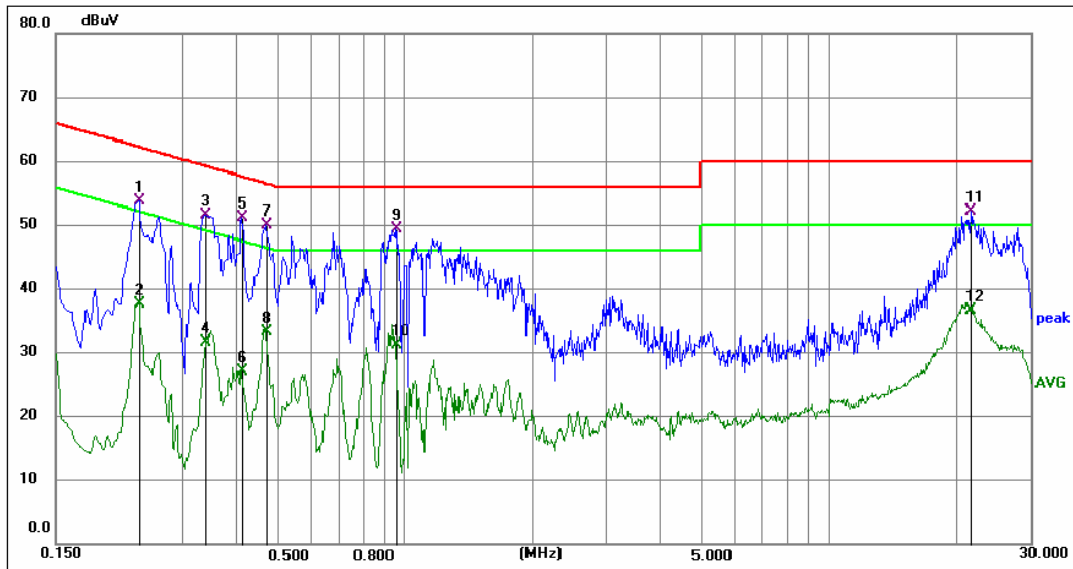


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/2		
M/N.:	TC-275	Power Rating:	AC230V/50Hz		
Mode:	USB-C: 12V1.67A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2265	46.75	9.90	56.65	62.58	-5.93	QP
2	0.2265	22.59	9.90	32.49	52.58	-20.09	AVG
3	0.2670	43.06	9.90	52.96	61.21	-8.25	QP
4	0.2670	22.87	9.90	32.77	51.21	-18.44	AVG
5	0.3480	43.95	9.90	53.85	59.01	-5.16	QP
6	0.3480	21.15	9.90	31.05	49.01	-17.96	AVG
7	0.4515	41.10	9.88	50.98	56.85	-5.87	QP
8	0.4515	18.68	9.88	28.56	46.85	-18.29	AVG
9	0.9195	40.27	9.89	50.16	56.00	-5.84	QP
10	0.9195	20.23	9.89	30.12	46.00	-15.88	AVG
11	21.6060	39.82	11.59	51.41	60.00	-8.59	QP
12	21.6060	23.17	11.59	34.76	50.00	-15.24	AVG



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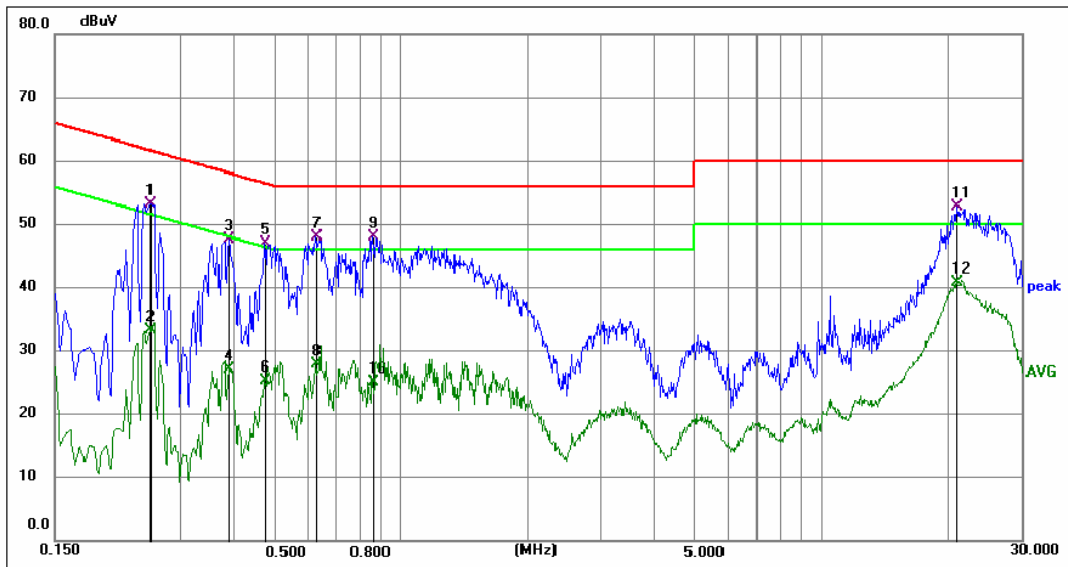


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/2		
M/N.:	TC-275	Power Rating:	AC230V/50Hz		
Mode:	USB-C: 12V1.67A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2355	43.84	9.90	53.74	62.25	-8.51	QP
2	0.2355	27.73	9.90	37.63	52.25	-14.62	AVG
3	0.3390	41.72	9.90	51.62	59.23	-7.61	QP
4	0.3390	21.69	9.90	31.59	49.23	-17.64	AVG
5	0.4110	41.39	9.88	51.27	57.63	-6.36	QP
6	0.4110	17.19	9.88	27.07	47.63	-20.56	AVG
7	0.4695	40.02	9.88	49.90	56.52	-6.62	QP
8	0.4695	23.26	9.88	33.14	46.52	-13.38	AVG
9	0.9508	39.57	9.88	49.45	56.00	-6.55	QP
10	0.9508	21.40	9.88	31.28	46.00	-14.72	AVG
11	21.6600	40.58	11.60	52.18	60.00	-7.82	QP
12	21.6600	25.09	11.60	36.69	50.00	-13.31	AVG



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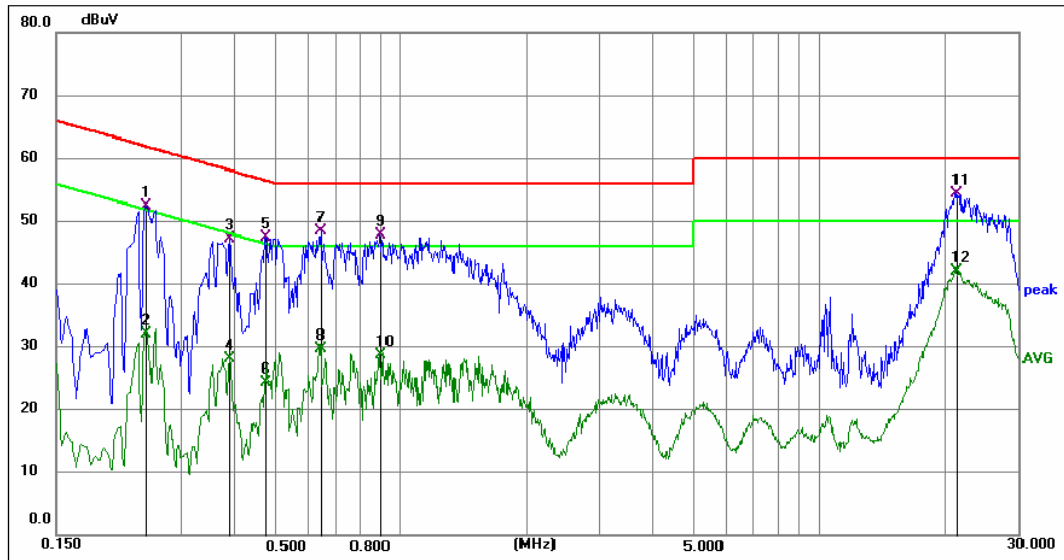


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/2		
M/N.:	TC-275	Power Rating:	AC120V/60Hz		
Mode:	USB-C: 12V1.67A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2535	43.26	9.90	53.16	61.64	-8.48	QP
2	0.2535	23.34	9.90	33.24	51.64	-18.40	AVG
3	0.3885	37.61	9.89	47.50	58.10	-10.60	QP
4	0.3885	17.20	9.89	27.09	48.10	-21.01	AVG
5	0.4740	37.19	9.88	47.07	56.44	-9.37	QP
6	0.4740	15.37	9.88	25.25	46.44	-21.19	AVG
7	0.6270	38.16	9.89	48.05	56.00	-7.95	QP
8	0.6270	17.94	9.89	27.83	46.00	-18.17	AVG
9	0.8610	38.13	9.89	48.02	56.00	-7.98	QP
10	0.8610	15.17	9.89	25.06	46.00	-20.94	AVG
11	21.1020	41.21	11.52	52.73	60.00	-7.27	QP
12	21.1020	29.30	11.52	40.82	50.00	-9.18	AVG



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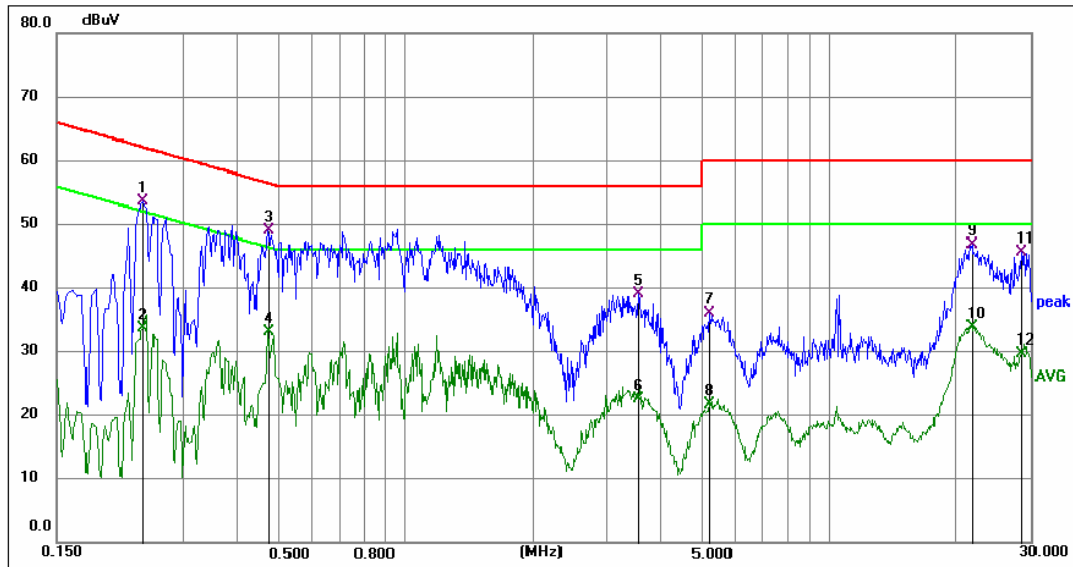


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-CIassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/2		
M/N.:	TC-275	Power Rating:	AC120V/60Hz		
Mode:	USB-C: 12V1.67A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2445	42.55	9.90	52.45	61.94	-9.49	QP
2	0.2445	22.16	9.90	32.06	51.94	-19.88	AVG
3	0.3885	37.34	9.89	47.23	58.10	-10.87	QP
4	0.3885	18.06	9.89	27.95	48.10	-20.15	AVG
5	0.4740	37.53	9.88	47.41	56.44	-9.03	QP
6	0.4740	14.32	9.88	24.20	46.44	-22.24	AVG
7	0.6450	38.52	9.89	48.41	56.00	-7.59	QP
8	0.6450	19.76	9.89	29.65	46.00	-16.35	AVG
9	0.8970	37.82	9.89	47.71	56.00	-8.29	QP
10	0.8970	18.64	9.89	28.53	46.00	-17.47	AVG
11	21.1695	42.76	11.53	54.29	60.00	-5.71	QP
12	21.1695	30.53	11.53	42.06	50.00	-7.94	AVG



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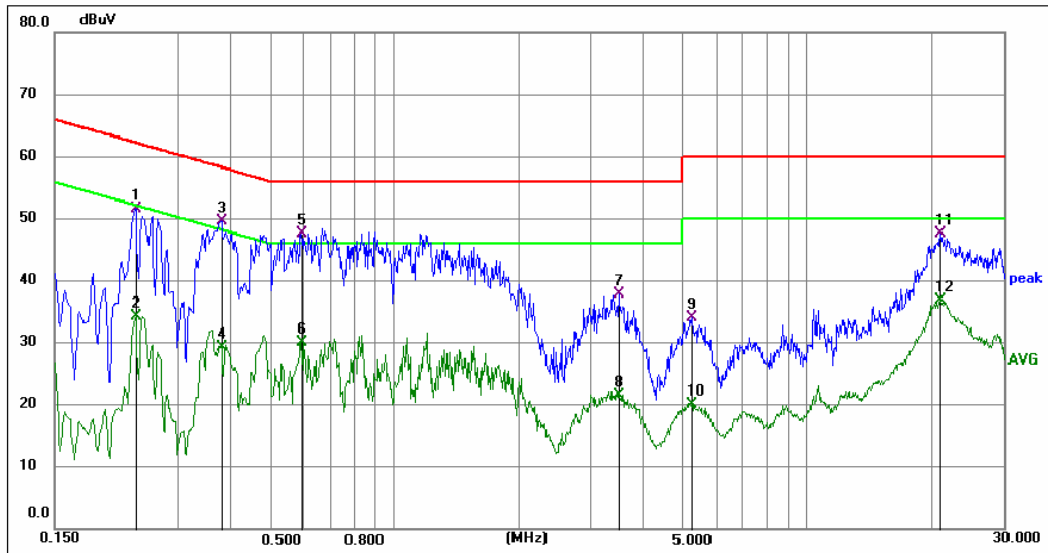


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC120V/60Hz		
Mode:	USB-C: 12V1.67A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2400	43.59	9.90	53.49	62.10	-8.61	QP
2	0.2400	23.79	9.90	33.69	52.10	-18.41	AVG
3	0.4740	39.07	9.88	48.95	56.44	-7.49	QP
4	0.4740	23.16	9.88	33.04	46.44	-13.40	AVG
5	3.5565	28.97	9.96	38.93	56.00	-17.07	QP
6	3.5565	12.40	9.96	22.36	46.00	-23.64	AVG
7	5.2350	26.04	10.04	36.08	60.00	-23.92	QP
8	5.2350	11.61	10.04	21.65	50.00	-28.35	AVG
9	21.7950	35.15	11.62	46.77	60.00	-13.23	QP
10	21.7950	22.21	11.62	33.83	50.00	-16.17	AVG
11	28.5945	32.93	12.62	45.55	60.00	-14.45	QP
12	28.5945	17.04	12.62	29.66	50.00	-20.34	AVG



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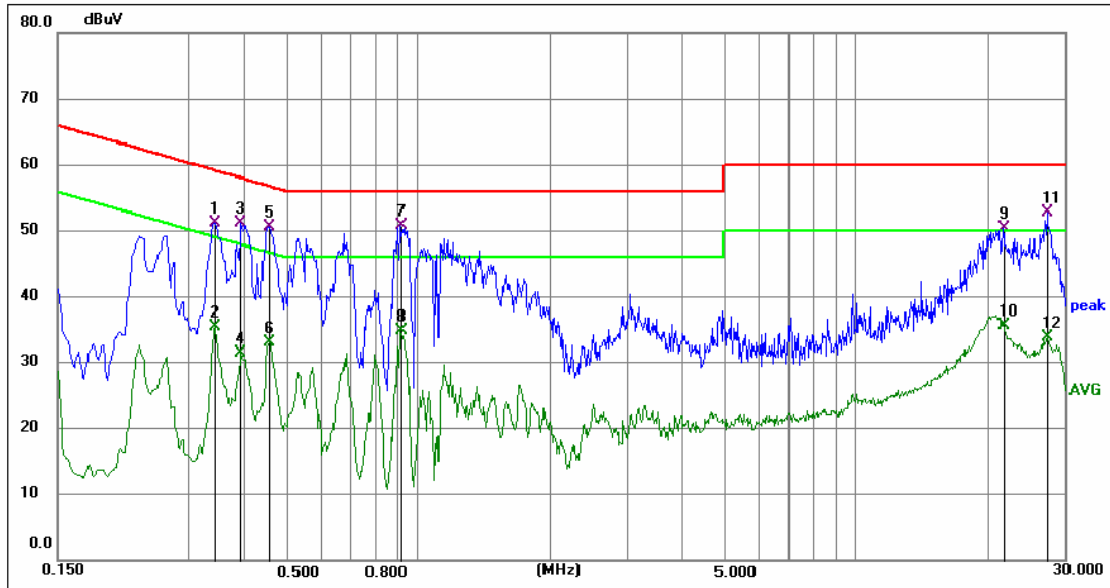


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-CIassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC120V/60Hz		
Mode:	USB-C: 12V1.67A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2355	41.77	9.90	51.67	62.25	-10.58	QP
2	0.2355	24.23	9.90	34.13	52.25	-18.12	AVG
3	0.3795	39.71	9.89	49.60	58.29	-8.69	QP
4	0.3795	19.38	9.89	29.27	48.29	-19.02	AVG
5	0.5955	37.75	9.88	47.63	56.00	-8.37	QP
6	0.5955	20.08	9.88	29.96	46.00	-16.04	AVG
7	3.4935	27.77	9.95	37.72	56.00	-18.28	QP
8	3.4935	11.59	9.95	21.54	46.00	-24.46	AVG
9	5.2755	24.02	10.04	34.06	60.00	-25.94	QP
10	5.2755	9.97	10.04	20.01	50.00	-29.99	AVG
11	21.1380	36.10	11.53	47.63	60.00	-12.37	QP
12	21.1380	25.31	11.53	36.84	50.00	-13.16	AVG



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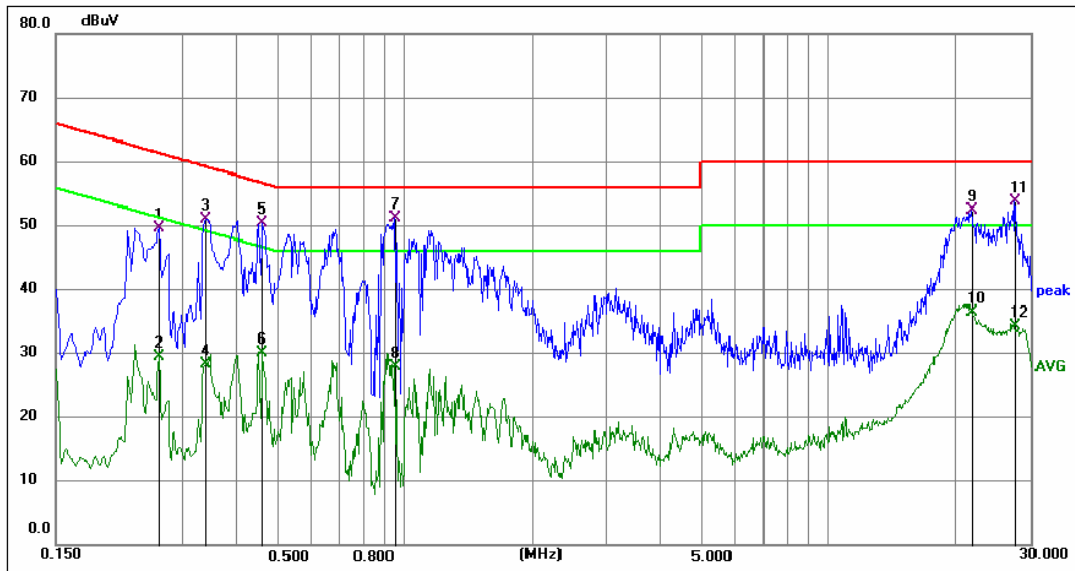


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC230V/50Hz		
Mode:	USB-C: 12V1.67A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.3435	41.33	9.90	51.23	59.12	-7.89	QP
2	0.3435	25.60	9.90	35.50	49.12	-13.62	AVG
3	0.3930	41.34	9.89	51.23	58.00	-6.77	QP
4	0.3930	21.60	9.89	31.49	48.00	-16.51	AVG
5	0.4560	40.73	9.88	50.61	56.77	-6.16	QP
6	0.4560	23.19	9.88	33.07	46.77	-13.70	AVG
7	0.9150	40.81	9.89	50.70	56.00	-5.30	QP
8	0.9150	24.85	9.89	34.74	46.00	-11.26	AVG
9	21.6150	38.85	11.59	50.44	60.00	-9.56	QP
10	21.6150	23.98	11.59	35.57	50.00	-14.43	AVG
11	27.3390	40.28	12.43	52.71	60.00	-7.29	QP
12	27.3390	21.29	12.43	33.72	50.00	-16.28	AVG



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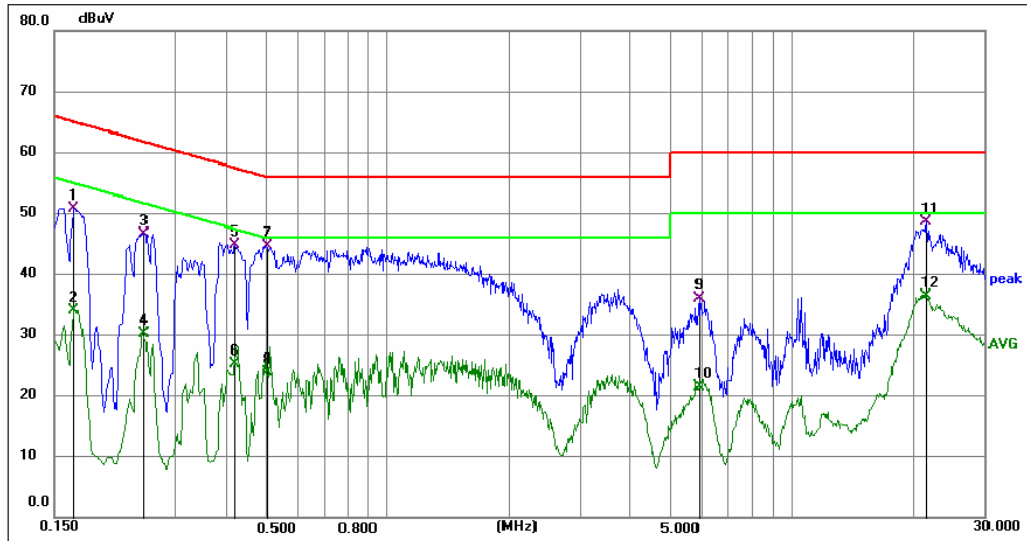


Site:	LAB	Phase: L1	Temperature(C): 26(C)
Limit:	EN55032 CE-ClassB-QP		Humidity(%): 54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3
M/N.:	TC-280	Power Rating:	AC230V/50Hz
Mode:	USB-C: 12V1.67A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2625	39.70	9.90	49.60	61.35	-11.75	QP
2	0.2625	19.46	9.90	29.36	51.35	-21.99	AVG
3	0.3390	41.17	9.90	51.07	59.23	-8.16	QP
4	0.3390	18.26	9.90	28.16	49.23	-21.07	AVG
5	0.4605	40.52	9.88	50.40	56.68	-6.28	QP
6	0.4605	20.08	9.88	29.96	46.68	-16.72	AVG
7	0.9465	41.26	9.89	51.15	56.00	-4.85	QP
8	0.9465	17.85	9.89	27.74	46.00	-18.26	AVG
9	21.6420	40.83	11.59	52.42	60.00	-7.58	QP
10	21.6420	24.91	11.59	36.50	50.00	-13.50	AVG
11	27.4515	41.38	12.44	53.82	60.00	-6.18	QP
12	27.4515	21.85	12.44	34.29	50.00	-15.71	AVG



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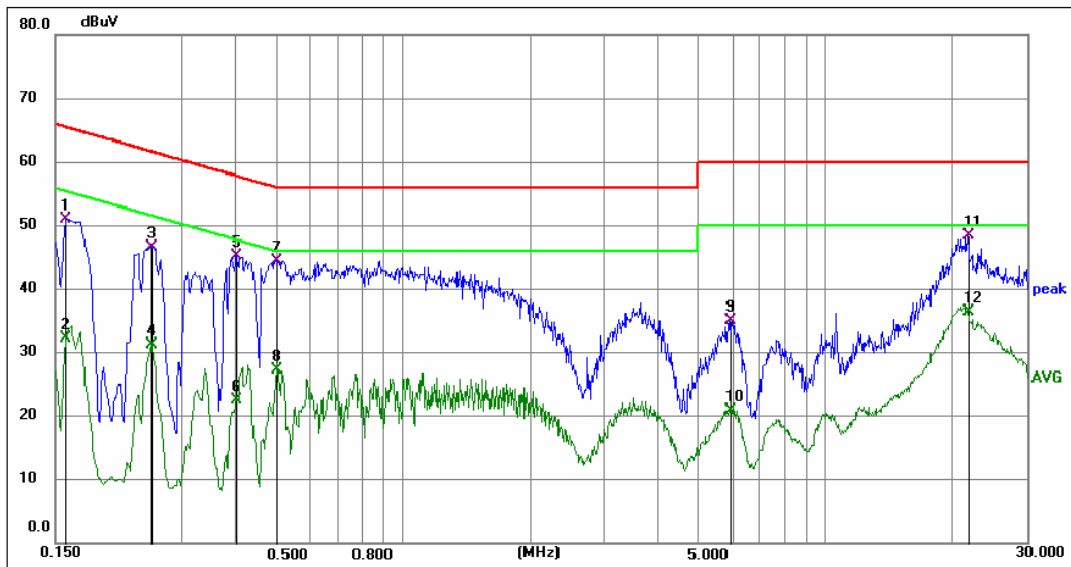


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC120V/60Hz		
Mode:	USB-A+USB-C: 5V3A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1680	40.88	9.92	50.80	65.06	-14.26	QP
2	0.1680	24.08	9.92	34.00	55.06	-21.06	AVG
3	0.2490	36.78	9.90	46.68	61.79	-15.11	QP
4	0.2490	20.38	9.90	30.28	51.79	-21.51	AVG
5	0.4200	34.87	9.88	44.75	57.45	-12.70	QP
6	0.4200	15.28	9.88	25.16	47.45	-22.29	AVG
7	0.5055	34.72	9.88	44.60	56.00	-11.40	QP
8	0.5055	13.93	9.88	23.81	46.00	-22.19	AVG
9	5.9145	25.91	10.09	36.00	60.00	-24.00	QP
10	5.9145	11.42	10.09	21.51	50.00	-28.49	AVG
11	21.5745	37.02	11.59	48.61	60.00	-11.39	QP
12	21.5745	24.90	11.59	36.49	50.00	-13.51	AVG



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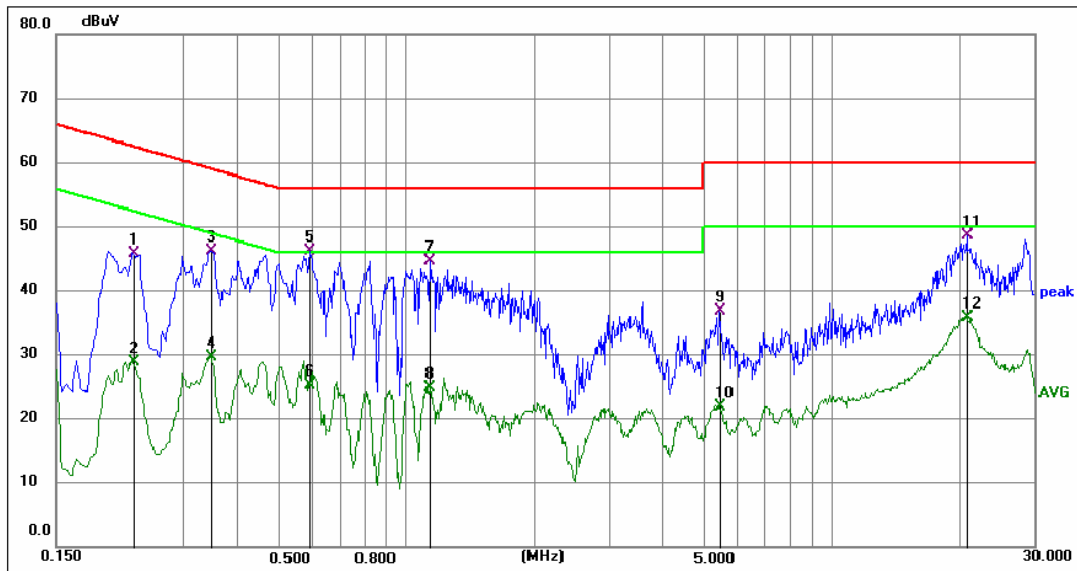


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC120V/60Hz		
Mode:	USB-A+USB-C: 5V3A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1590	41.10	9.92	51.02	65.52	-14.50	QP
2	0.1590	22.29	9.92	32.21	55.52	-23.31	AVG
3	0.2535	36.76	9.90	46.66	61.64	-14.98	QP
4	0.2535	21.27	9.90	31.17	51.64	-20.47	AVG
5	0.4020	35.30	9.88	45.18	57.81	-12.63	QP
6	0.4020	12.51	9.88	22.39	47.81	-25.42	AVG
7	0.5010	34.53	9.88	44.41	56.00	-11.59	QP
8	0.5010	17.43	9.88	27.31	46.00	-18.69	AVG
9	5.9505	24.83	10.09	34.92	60.00	-25.08	QP
10	5.9505	10.75	10.09	20.84	50.00	-29.16	AVG
11	21.6330	36.69	11.59	48.28	60.00	-11.72	QP
12	21.6330	24.86	11.59	36.45	50.00	-13.55	AVG



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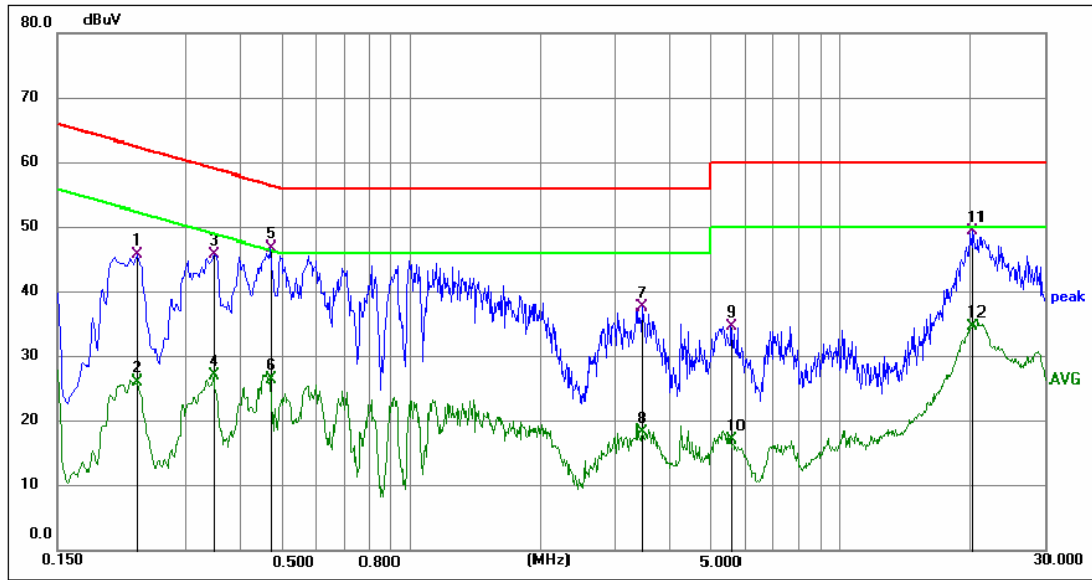


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC230V/50Hz		
Mode:	USB-A+USB-C: 5V3A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2279	35.87	9.90	45.77	62.53	-16.76	QP
2	0.2279	18.85	9.90	28.75	52.53	-23.78	AVG
3	0.3480	36.34	9.90	46.24	59.01	-12.77	QP
4	0.3480	19.79	9.90	29.69	49.01	-19.32	AVG
5	0.5954	36.22	9.88	46.10	56.00	-9.90	QP
6	0.5954	15.38	9.88	25.26	46.00	-20.74	AVG
7	1.1400	34.62	9.89	44.51	56.00	-11.49	QP
8	1.1400	15.00	9.89	24.89	46.00	-21.11	AVG
9	5.4510	26.78	10.05	36.83	60.00	-23.17	QP
10	5.4510	11.84	10.05	21.89	50.00	-28.11	AVG
11	20.8905	36.99	11.49	48.48	60.00	-11.52	QP
12	20.8905	24.23	11.49	35.72	50.00	-14.28	AVG



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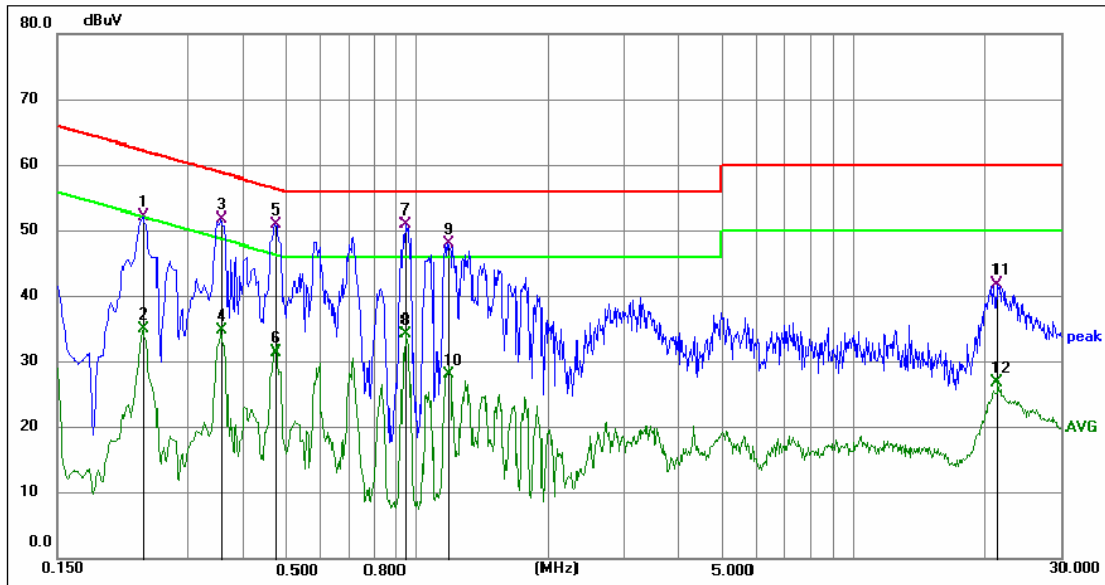


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC230V/50Hz		
Mode:	USB-A+USB-C: 5V3A	Test Engineer:			
Note:					

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.2310	35.97	9.90	45.87	62.41	-16.54	QP
2	0.2310	16.09	9.90	25.99	52.41	-26.42	AVG
3	0.3480	35.85	9.90	45.75	59.01	-13.26	QP
4	0.3480	17.13	9.90	27.03	49.01	-21.98	AVG
5	0.4695	36.99	9.88	46.87	56.52	-9.65	QP
6	0.4695	16.51	9.88	26.39	46.52	-20.13	AVG
7	3.4575	27.60	9.95	37.55	56.00	-18.45	QP
8	3.4575	8.23	9.95	18.18	46.00	-27.82	AVG
9	5.5680	24.62	10.07	34.69	60.00	-25.31	QP
10	5.5680	6.99	10.07	17.06	50.00	-32.94	AVG
11	20.4000	38.01	11.41	49.42	60.00	-10.58	QP
12	20.4000	23.18	11.41	34.59	50.00	-15.41	AVG



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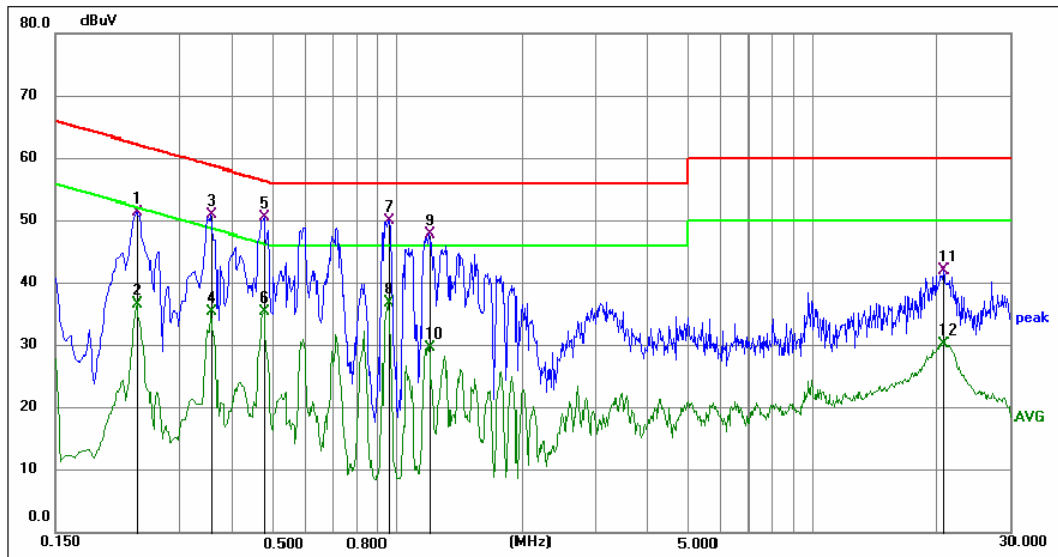


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC230V/50Hz		
Mode:	USB-A: 12V1.5A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2355	42.23	9.90	52.13	62.25	-10.12	QP
2	0.2355	25.04	9.90	34.94	52.25	-17.31	AVG
3	0.3570	41.96	9.90	51.86	58.80	-6.94	QP
4	0.3570	24.97	9.90	34.87	48.80	-13.93	AVG
5	0.4740	41.00	9.88	50.88	56.44	-5.56	QP
6	0.4740	21.49	9.88	31.37	46.44	-15.07	AVG
7	0.9464	41.09	9.89	50.98	56.00	-5.02	QP
8	0.9464	24.26	9.89	34.15	46.00	-11.85	AVG
9	1.1804	38.17	9.89	48.06	56.00	-7.94	QP
10	1.1804	18.18	9.89	28.07	46.00	-17.93	AVG
11	21.4710	30.29	11.57	41.86	60.00	-18.14	QP
12	21.4710	15.17	11.57	26.74	50.00	-23.26	AVG



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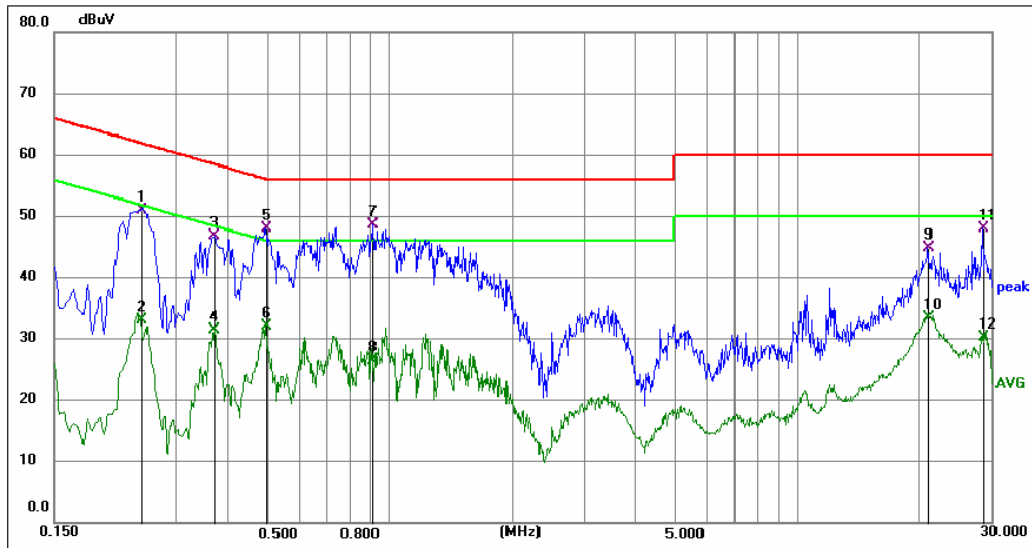


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC230V/50Hz		
Mode:	USB-A: 12V1.5A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2355	41.43	9.90	51.33	62.25	-10.92	QP
2	0.2355	26.70	9.90	36.60	52.25	-15.65	AVG
3	0.3570	41.17	9.90	51.07	58.80	-7.73	QP
4	0.3570	25.58	9.90	35.48	48.80	-13.32	AVG
5	0.4785	40.60	9.88	50.48	56.37	-5.89	QP
6	0.4785	25.51	9.88	35.39	46.37	-10.98	AVG
7	0.9510	40.15	9.88	50.03	56.00	-5.97	QP
8	0.9510	26.93	9.88	36.81	46.00	-9.19	AVG
9	1.1940	37.88	9.89	47.77	56.00	-8.23	QP
10	1.1940	19.79	9.89	29.68	46.00	-16.32	AVG
11	20.7195	30.52	11.47	41.99	60.00	-18.01	QP
12	20.7195	18.76	11.47	30.23	50.00	-19.77	AVG



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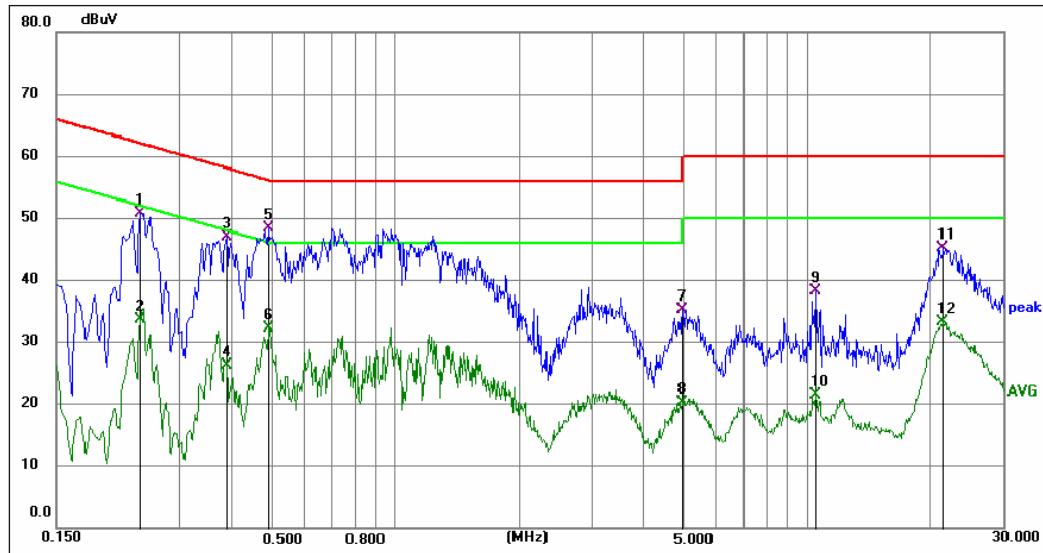


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3		
M/N.:	TC-280	Power Rating:	AC120V/60Hz		
Mode:	USB-A: 12V1.5A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2445	41.15	9.90	51.05	61.94	-10.89	QP
2	0.2445	23.15	9.90	33.05	51.94	-18.89	AVG
3	0.3704	36.84	9.90	46.74	58.49	-11.75	QP
4	0.3704	21.60	9.90	31.50	48.49	-16.99	AVG
5	0.4965	38.02	9.88	47.90	56.06	-8.16	QP
6	0.4965	22.21	9.88	32.09	46.06	-13.97	AVG
7	0.9149	38.63	9.89	48.52	56.00	-7.48	QP
8	0.9149	16.47	9.89	26.36	46.00	-19.64	AVG
9	20.9895	33.34	11.51	44.85	60.00	-15.15	QP
10	20.9895	21.87	11.51	33.38	50.00	-16.62	AVG
11	28.5495	35.31	12.61	47.92	60.00	-12.08	QP
12	28.5495	17.69	12.61	30.30	50.00	-19.70	AVG



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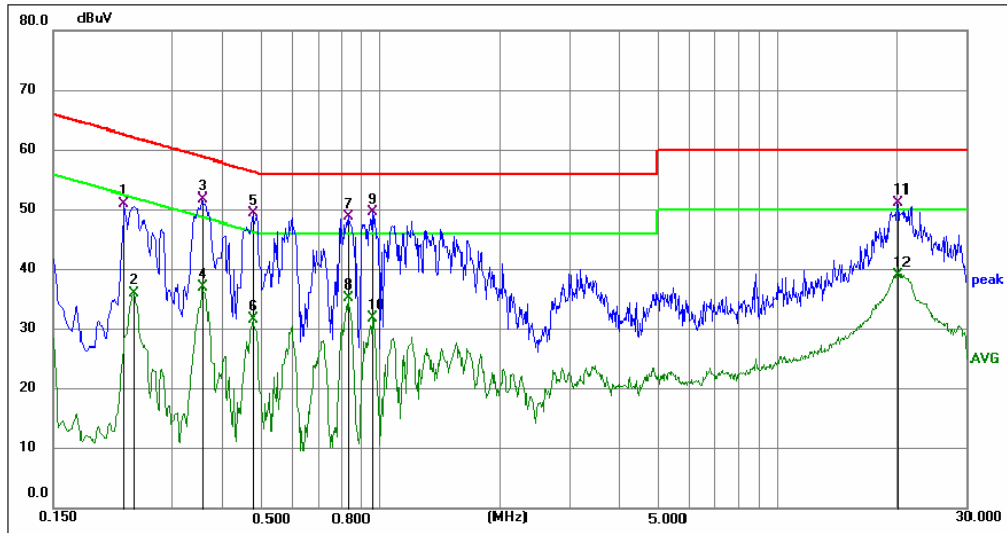


Site:	LAB	Phase: L1	Temperature(C): 26(C)
Limit:	EN55032 CE-CIassB-QP		Humidity(%): 54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/3
M/N.:	TC-280	Power Rating:	AC120V/60Hz
Mode:	USB-A: 12V1.5A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2400	40.93	9.90	50.83	62.10	-11.27	QP
2	0.2400	23.64	9.90	33.54	52.10	-18.56	AVG
3	0.3885	37.01	9.89	46.90	58.10	-11.20	QP
4	0.3885	16.38	9.89	26.27	48.10	-21.83	AVG
5	0.4920	38.41	9.88	48.29	56.13	-7.84	QP
6	0.4920	22.25	9.88	32.13	46.13	-14.00	AVG
7	4.9965	25.24	10.03	35.27	56.00	-20.73	QP
8	4.9965	10.14	10.03	20.17	46.00	-25.83	AVG
9	10.4865	27.73	10.46	38.19	60.00	-21.81	QP
10	10.4865	11.03	10.46	21.49	50.00	-28.51	AVG
11	21.3945	33.69	11.56	45.25	60.00	-14.75	QP
12	21.3945	21.64	11.56	33.20	50.00	-16.80	AVG



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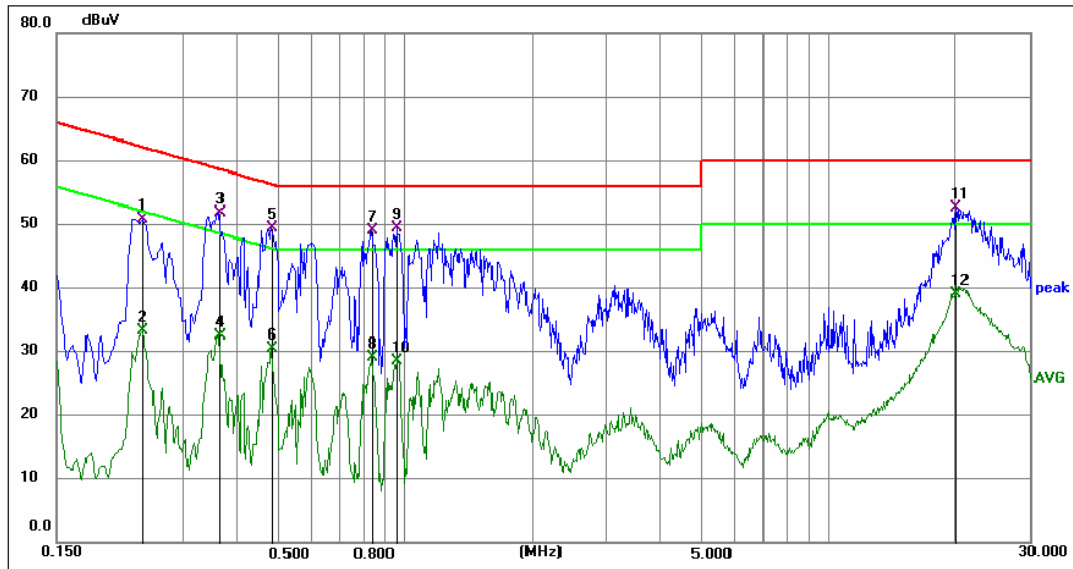


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/8		
M/N.:	TC-280	Power Rating:	AC230V/50Hz		
Mode:	PPS: USB-C: 11V1.8A	Test Engineer:			
Note:					

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.2265	41.14	9.90	51.04	62.58	-11.54	QP
2	0.2400	26.19	9.90	36.09	52.10	-16.01	AVG
3	0.3570	41.96	9.90	51.86	58.80	-6.94	QP
4	0.3570	27.03	9.90	36.93	48.80	-11.87	AVG
5	0.4784	39.45	9.88	49.33	56.37	-7.04	QP
6	0.4784	21.65	9.88	31.53	46.37	-14.84	AVG
7	0.8340	38.82	9.89	48.71	56.00	-7.29	QP
8	0.8340	25.25	9.89	35.14	46.00	-10.86	AVG
9	0.9555	39.77	9.88	49.65	56.00	-6.35	QP
10	0.9555	21.92	9.88	31.80	46.00	-14.20	AVG
11	20.1345	39.86	11.38	51.24	60.00	-8.76	QP
12	20.1345	27.58	11.38	38.96	50.00	-11.04	AVG



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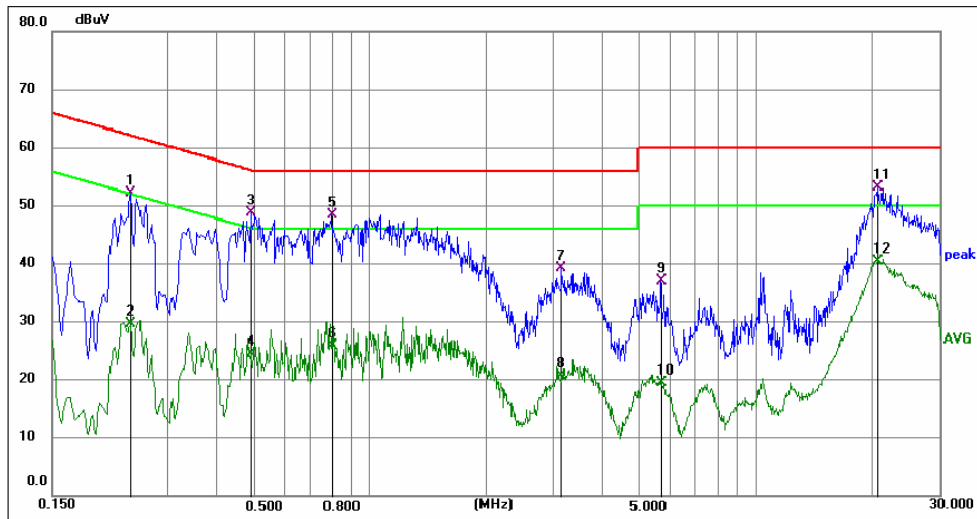


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/8		
M/N.:	TC-280	Power Rating:	AC230V/50Hz		
Mode:	PPS: USB-C: 11V1.8A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2400	40.82	9.90	50.72	62.10	-11.38	QP
2	0.2400	23.30	9.90	33.20	52.10	-18.90	AVG
3	0.3615	41.89	9.90	51.79	58.69	-6.90	QP
4	0.3615	22.58	9.90	32.48	48.69	-16.21	AVG
5	0.4830	39.58	9.88	49.46	56.29	-6.83	QP
6	0.4830	20.46	9.88	30.34	46.29	-15.95	AVG
7	0.8385	39.11	9.89	49.00	56.00	-7.00	QP
8	0.8385	19.23	9.89	29.12	46.00	-16.88	AVG
9	0.9555	39.54	9.88	49.42	56.00	-6.58	QP
10	0.9555	18.56	9.88	28.44	46.00	-17.56	AVG
11	20.1075	41.16	11.37	52.53	60.00	-7.47	QP
12	20.1075	27.73	11.37	39.10	50.00	-10.90	AVG



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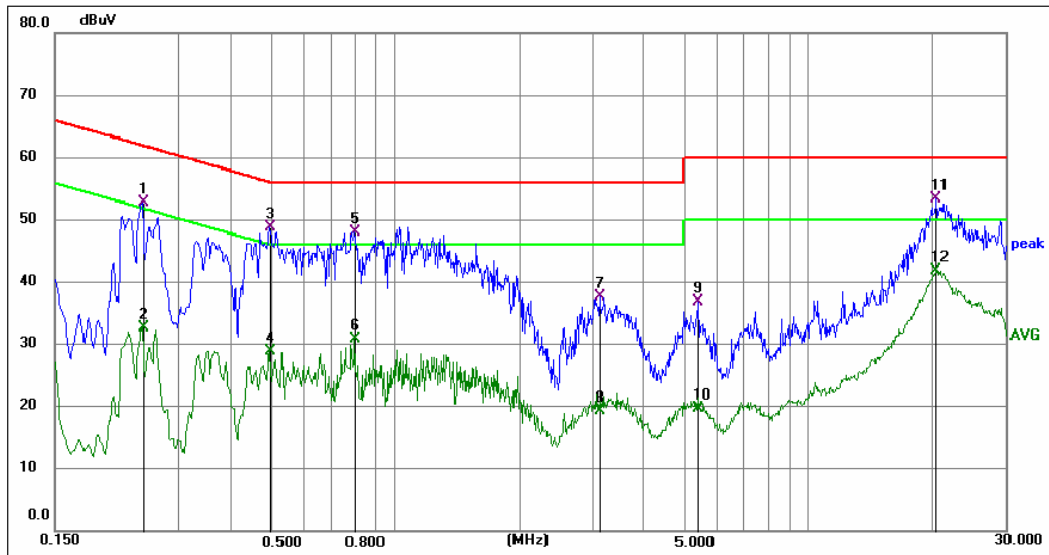


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:			2026/4/8
M/N.:	TC-280	Power Rating:			AC120V/60Hz
Mode:	PPS: USB-C: 11V1.8A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2400	42.34	9.90	52.24	62.10	-9.86	QP
2	0.2400	19.63	9.90	29.53	52.10	-22.57	AVG
3	0.4920	38.85	9.88	48.73	56.13	-7.40	QP
4	0.4920	14.55	9.88	24.43	46.13	-21.70	AVG
5	0.7980	38.41	9.89	48.30	56.00	-7.70	QP
6	0.7980	16.01	9.89	25.90	46.00	-20.10	AVG
7	3.1560	29.20	9.93	39.13	56.00	-16.87	QP
8	3.1560	10.78	9.93	20.71	46.00	-25.29	AVG
9	5.6895	26.89	10.07	36.96	60.00	-23.04	QP
10	5.6895	9.33	10.07	19.40	50.00	-30.60	AVG
11	20.7509	41.76	11.47	53.23	60.00	-6.77	QP
12	20.7509	28.83	11.47	40.30	50.00	-9.70	AVG



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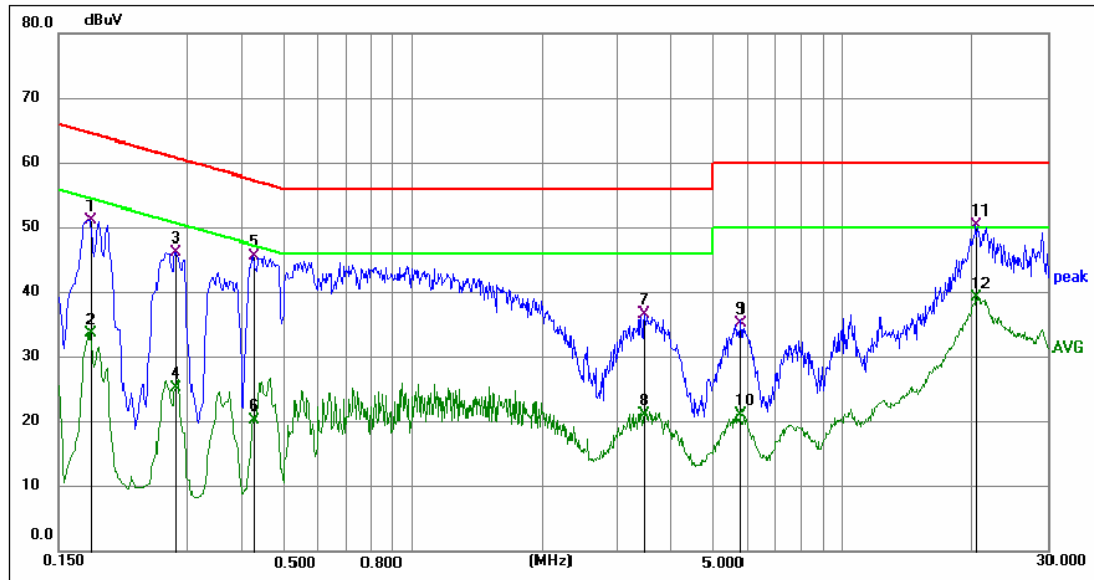


Site:	LAB	Phase: L1	Temperature(C): 26(C)
Limit:	EN55032 CE-ClassB-QP		Humidity(%): 54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/8
M/N.:	TC-280	Power Rating:	AC120V/60Hz
Mode:	PPS: USB-C: 11V1.8A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2445	42.85	9.90	52.75	61.94	-9.19	QP
2	0.2445	22.78	9.90	32.68	51.94	-19.26	AVG
3	0.4965	38.95	9.88	48.83	56.06	-7.23	QP
4	0.4965	18.94	9.88	28.82	46.06	-17.24	AVG
5	0.7980	38.16	9.89	48.05	56.00	-7.95	QP
6	0.7980	20.84	9.89	30.73	46.00	-15.27	AVG
7	3.1290	27.71	9.93	37.64	56.00	-18.36	QP
8	3.1290	9.28	9.93	19.21	46.00	-26.79	AVG
9	5.4240	26.80	10.05	36.85	60.00	-23.15	QP
10	5.4240	9.62	10.05	19.67	50.00	-30.33	AVG
11	20.4675	41.88	11.42	53.30	60.00	-6.70	QP
12	20.4675	30.41	11.42	41.83	50.00	-8.17	AVG



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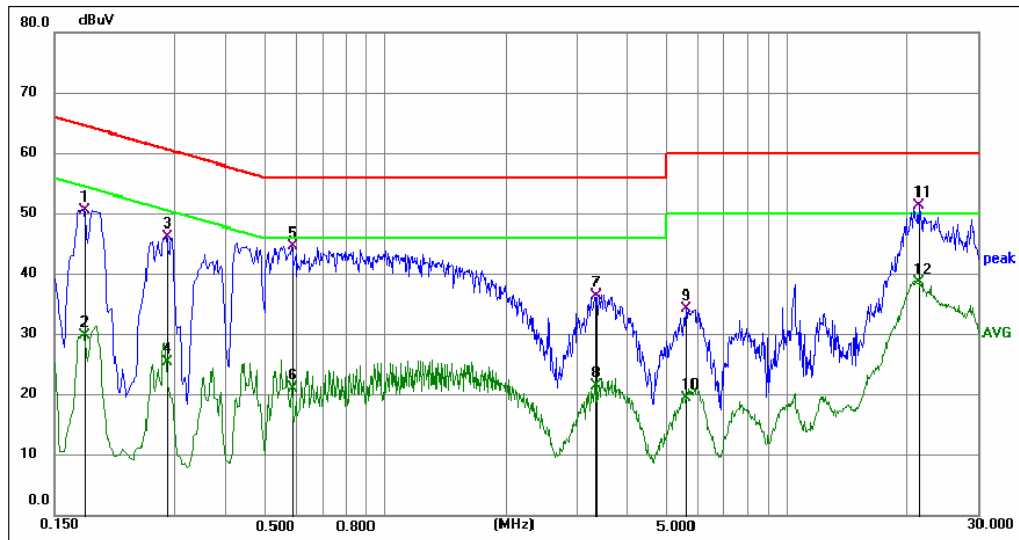


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/8		
M/N.:	TC-280	Power Rating:	AC120V/60Hz		
Mode:	PPS: USB-C: 5.9V3A	Test Engineer:			
Note:					

No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1770	41.29	9.92	51.21	64.63	-13.42	QP
2	0.1770	23.68	9.92	33.60	54.63	-21.03	AVG
3	0.2805	36.38	9.90	46.28	60.80	-14.52	QP
4	0.2805	15.34	9.90	25.24	50.80	-25.56	AVG
5	0.4245	35.68	9.88	45.56	57.36	-11.80	QP
6	0.4245	10.31	9.88	20.19	47.36	-27.17	AVG
7	3.4620	26.68	9.95	36.63	56.00	-19.37	QP
8	3.4620	11.02	9.95	20.97	46.00	-25.03	AVG
9	5.7930	25.12	10.08	35.20	60.00	-24.80	QP
10	5.7930	10.93	10.08	21.01	50.00	-28.99	AVG
11	20.4360	39.02	11.42	50.44	60.00	-9.56	QP
12	20.4360	27.78	11.42	39.20	50.00	-10.80	AVG



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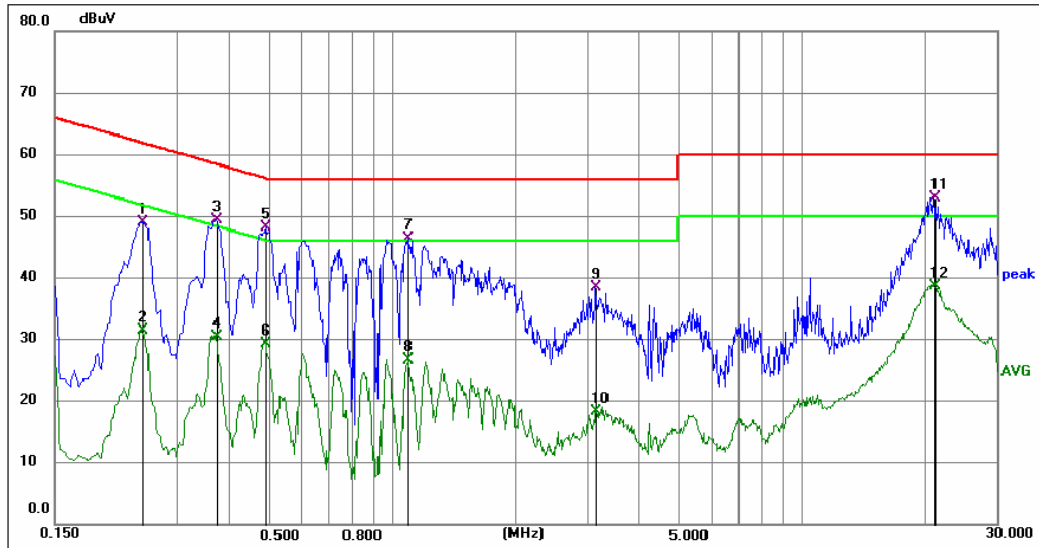


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP	Test Time:	2026/4/8	Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Power Rating:	AC120V/60Hz		
M/N.:	TC-280	Test Engineer:			
Mode:	PPS: USB-C: 5.9V3A				
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1770	40.75	9.92	50.67	64.63	-13.96	QP
2	0.1770	19.88	9.92	29.80	54.63	-24.83	AVG
3	0.2850	36.24	9.90	46.14	60.67	-14.53	QP
4	0.2850	15.47	9.90	25.37	50.67	-25.30	AVG
5	0.5865	34.79	9.88	44.67	56.00	-11.33	QP
6	0.5865	11.18	9.88	21.06	46.00	-24.94	AVG
7	3.3360	26.37	9.94	36.31	56.00	-19.69	QP
8	3.3360	11.54	9.94	21.48	46.00	-24.52	AVG
9	5.6400	24.06	10.07	34.13	60.00	-25.87	QP
10	5.6400	9.33	10.07	19.40	50.00	-30.60	AVG
11	21.3270	39.91	11.55	51.46	60.00	-8.54	QP
12	21.3270	27.08	11.55	38.63	50.00	-11.37	AVG



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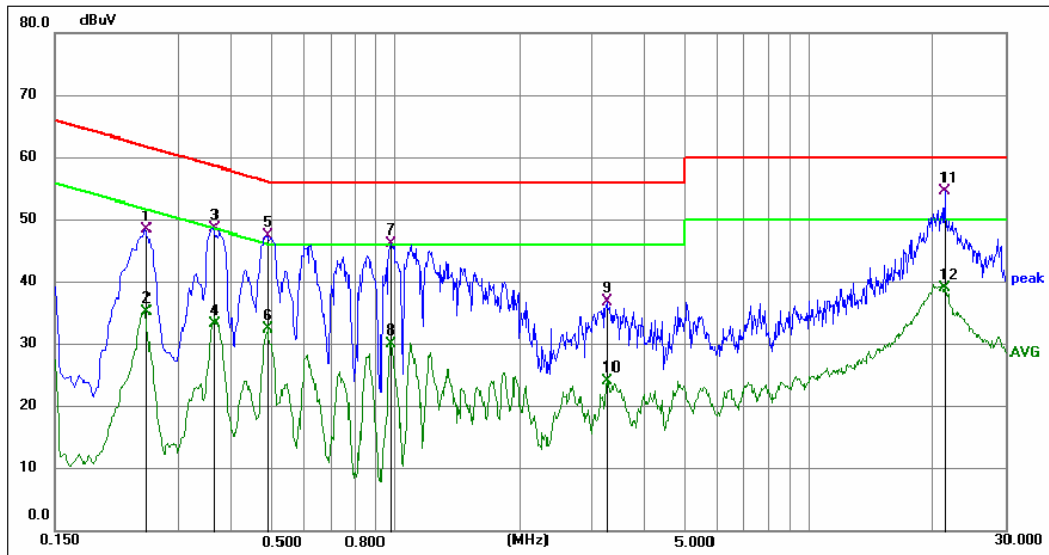


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/8		
M/N.:	TC-280	Power Rating:	AC230V/50Hz		
Mode:	PPS: USB-C: 5.9V3A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2455	39.06	9.90	48.96	61.91	-12.95	QP
2	0.2455	21.52	9.90	31.42	51.91	-20.49	AVG
3	0.3712	39.51	9.90	49.41	58.47	-9.06	QP
4	0.3712	20.45	9.90	30.35	48.47	-18.12	AVG
5	0.4915	38.28	9.88	48.16	56.14	-7.98	QP
6	0.4915	19.39	9.88	29.27	46.14	-16.87	AVG
7	1.0939	36.53	9.88	46.41	56.00	-9.59	QP
8	1.0939	16.70	9.88	26.58	46.00	-19.42	AVG
9	3.1397	28.40	9.93	38.33	56.00	-17.67	QP
10	3.1397	8.34	9.93	18.27	46.00	-27.73	AVG
11	21.0355	41.41	11.51	52.92	60.00	-7.08	QP
12	21.0355	27.08	11.51	38.59	50.00	-11.41	AVG



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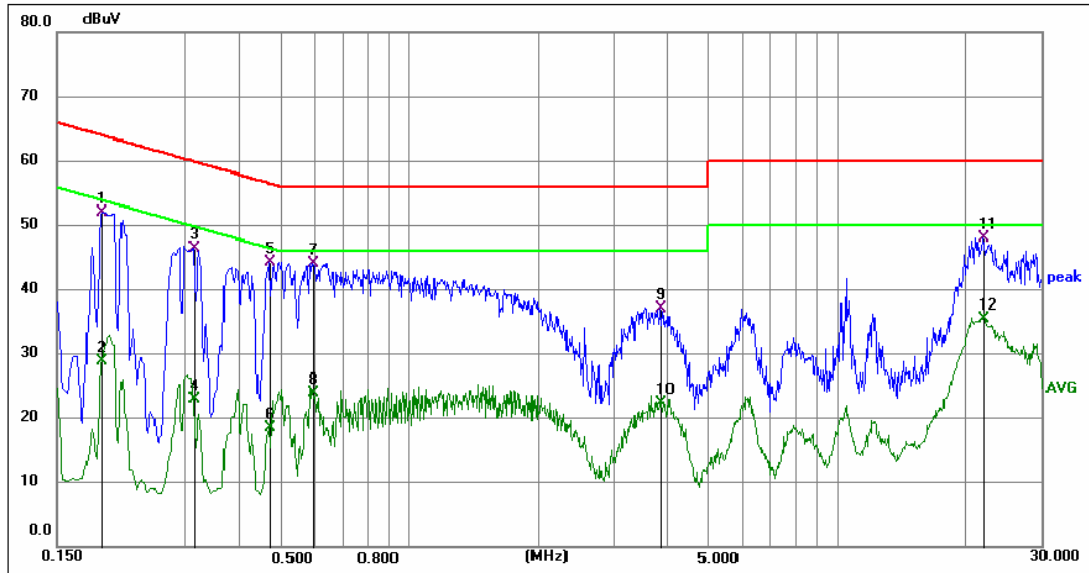


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/8		
M/N.:	TC-280	Power Rating:	AC230V/50Hz		
Mode:	PPS: USB-C: 5.9V3A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2490	38.49	9.90	48.39	61.79	-13.40	QP
2	0.2490	25.31	9.90	35.21	51.79	-16.58	AVG
3	0.3615	38.73	9.90	48.63	58.69	-10.06	QP
4	0.3615	23.32	9.90	33.22	48.69	-15.47	AVG
5	0.4920	37.55	9.88	47.43	56.13	-8.70	QP
6	0.4920	22.56	9.88	32.44	46.13	-13.69	AVG
7	0.9780	36.23	9.88	46.11	56.00	-9.89	QP
8	0.9780	20.10	9.88	29.98	46.00	-16.02	AVG
9	3.2730	26.94	9.94	36.88	56.00	-19.12	QP
10	3.2730	14.11	9.94	24.05	46.00	-21.95	AVG
11	21.3045	42.94	11.55	54.49	60.00	-5.51	QP
12	21.3045	27.41	11.55	38.96	50.00	-11.04	AVG



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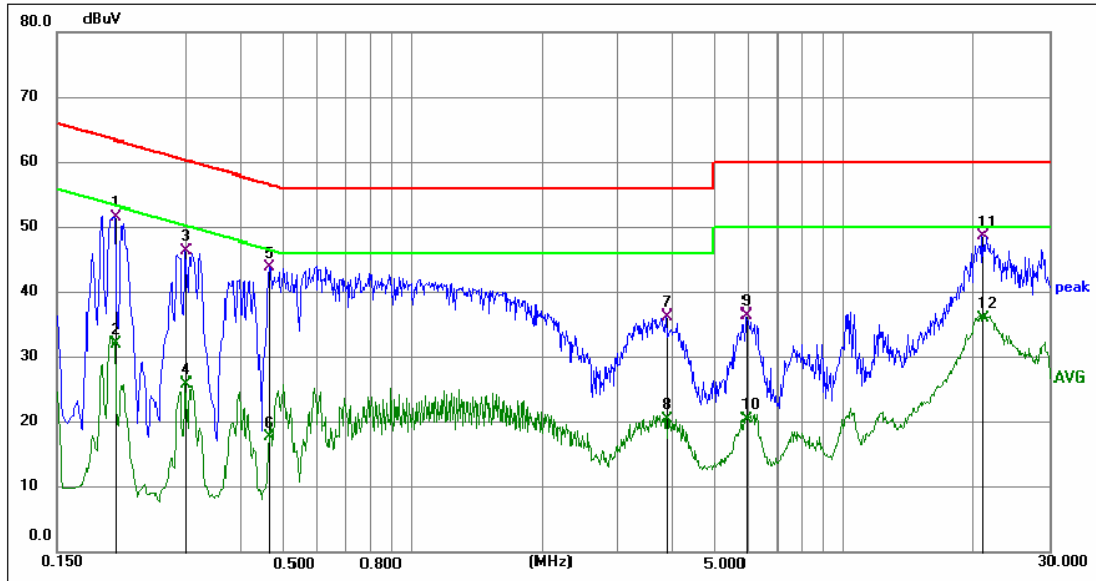


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/9		
M/N.:	TC-275	Power Rating:	AC120V/60Hz		
Mode:	PPS: USB-C: 5.9V3A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1905	42.15	9.91	52.06	64.01	-11.95	QP
2	0.1905	18.91	9.91	28.82	54.01	-25.19	AVG
3	0.3120	36.46	9.90	46.36	59.92	-13.56	QP
4	0.3120	12.97	9.90	22.87	49.92	-27.05	AVG
5	0.4695	34.31	9.88	44.19	56.52	-12.33	QP
6	0.4695	8.54	9.88	18.42	46.52	-28.10	AVG
7	0.5955	34.19	9.88	44.07	56.00	-11.93	QP
8	0.5955	13.89	9.88	23.77	46.00	-22.23	AVG
9	3.8670	26.96	9.97	36.93	56.00	-19.07	QP
10	3.8670	12.31	9.97	22.28	46.00	-23.72	AVG
11	21.9345	36.30	11.65	47.95	60.00	-12.05	QP
12	21.9345	23.85	11.65	35.50	50.00	-14.50	AVG



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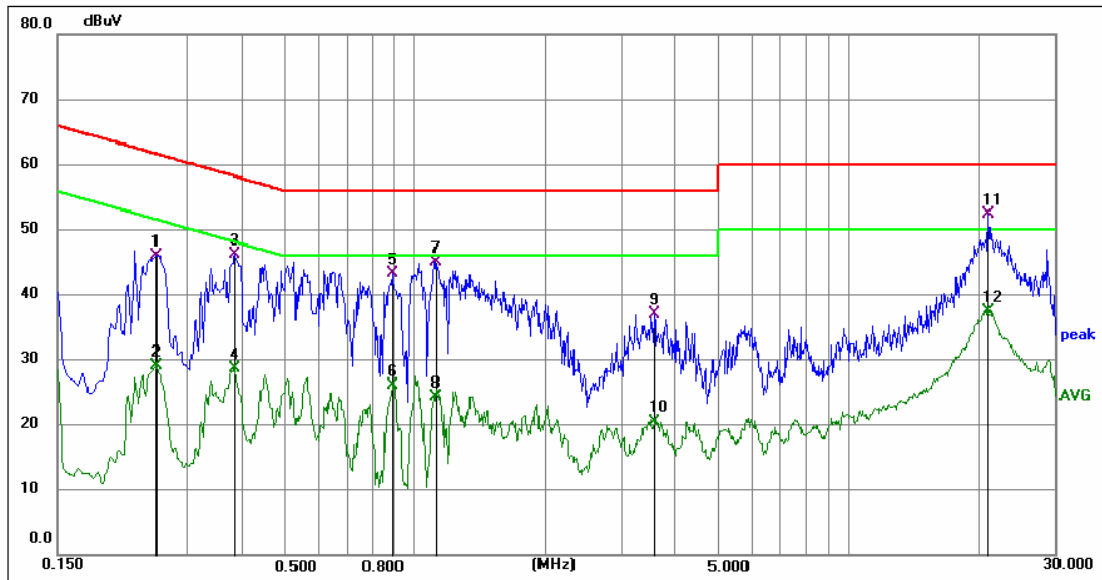


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/9		
M/N.:	TC-275	Power Rating:	AC120V/60Hz		
Mode:	PPS: USB-C: 5.9V3A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2040	41.73	9.91	51.64	63.45	-11.81	QP
2	0.2040	22.17	9.91	32.08	53.45	-21.37	AVG
3	0.2985	36.43	9.90	46.33	60.28	-13.95	QP
4	0.2985	15.91	9.90	25.81	50.28	-24.47	AVG
5	0.4650	33.85	9.88	43.73	56.60	-12.87	QP
6	0.4650	7.85	9.88	17.73	46.60	-28.87	AVG
7	3.8850	26.29	9.97	36.26	56.00	-19.74	QP
8	3.8850	10.53	9.97	20.50	46.00	-25.50	AVG
9	5.9505	26.22	10.09	36.31	60.00	-23.69	QP
10	5.9505	10.32	10.09	20.41	50.00	-29.59	AVG
11	20.9625	37.07	11.50	48.57	60.00	-11.43	QP
12	20.9625	24.58	11.50	36.08	50.00	-13.92	AVG



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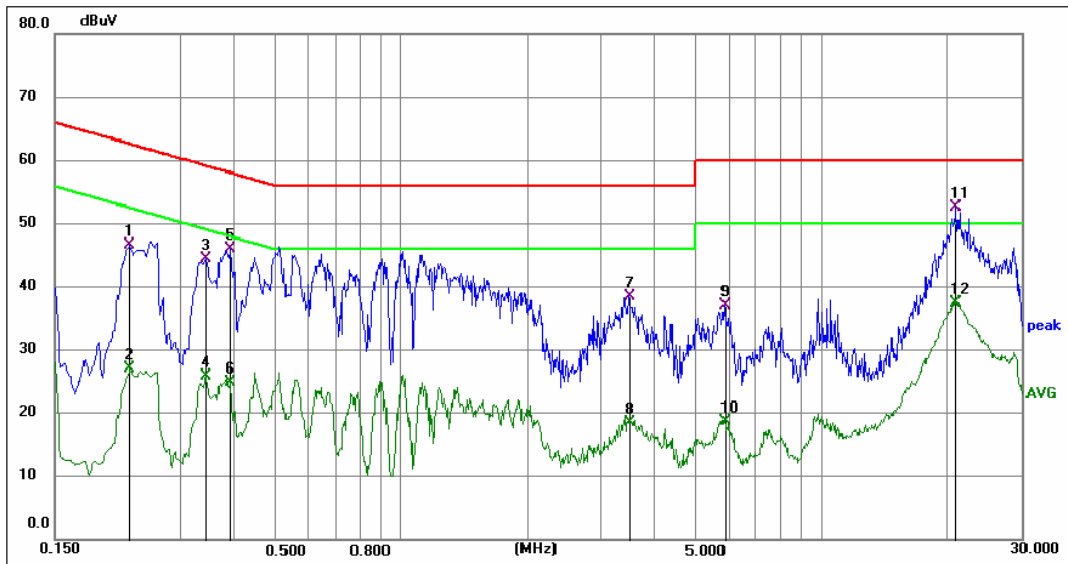


Site:	LAB	Phase:	L1	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/9		
M/N.:	TC-275	Power Rating:	AC230V/50Hz		
Mode:	PPS: USB-C: 5.9V3A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2535	36.18	9.90	46.08	61.64	-15.56	QP
2	0.2535	19.12	9.90	29.02	51.64	-22.62	AVG
3	0.3840	36.26	9.89	46.15	58.19	-12.04	QP
4	0.3840	18.70	9.89	28.59	48.19	-19.60	AVG
5	0.8925	33.27	9.89	43.16	56.00	-12.84	QP
6	0.8925	16.12	9.89	26.01	46.00	-19.99	AVG
7	1.1130	35.18	9.89	45.07	56.00	-10.93	QP
8	1.1130	14.29	9.89	24.18	46.00	-21.82	AVG
9	3.5655	27.13	9.96	37.09	56.00	-18.91	QP
10	3.5655	10.55	9.96	20.51	46.00	-25.49	AVG
11	21.1290	40.78	11.52	52.30	60.00	-7.70	QP
12	21.1290	25.80	11.52	37.32	50.00	-12.68	AVG



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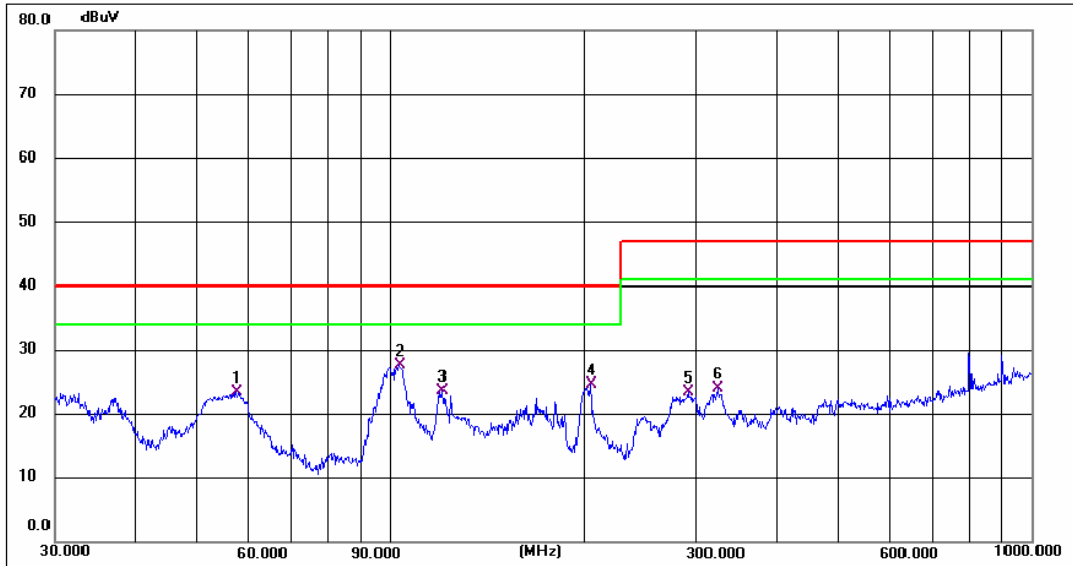


Site:	LAB	Phase:	N	Temperature(C):	26(C)
Limit:	EN55032 CE-ClassB-QP			Humidity(%):	54%RH
EUT:	PD20W FAST CHARGING	Test Time:	2026/4/9		
M/N.:	TC-275	Power Rating:	AC230V/50Hz		
Mode:	PPS: USB-C: 5.9V3A	Test Engineer:			
Note:					

No.	Frequency (MHz)	Reading (dBuV)	Correct (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2265	36.77	9.90	46.67	62.58	-15.91	QP
2	0.2265	17.08	9.90	26.98	52.58	-25.60	AVG
3	0.3435	34.52	9.90	44.42	59.12	-14.70	QP
4	0.3435	15.85	9.90	25.75	49.12	-23.37	AVG
5	0.3930	36.17	9.89	46.06	58.00	-11.94	QP
6	0.3930	14.87	9.89	24.76	48.00	-23.24	AVG
7	3.4890	28.40	9.95	38.35	56.00	-17.65	QP
8	3.4890	8.42	9.95	18.37	46.00	-27.63	AVG
9	5.8965	26.90	10.08	36.98	60.00	-23.02	QP
10	5.8965	8.56	10.08	18.64	50.00	-31.36	AVG
11	20.9400	41.12	11.50	52.62	60.00	-7.38	QP
12	20.9400	25.81	11.50	37.31	50.00	-12.69	AVG



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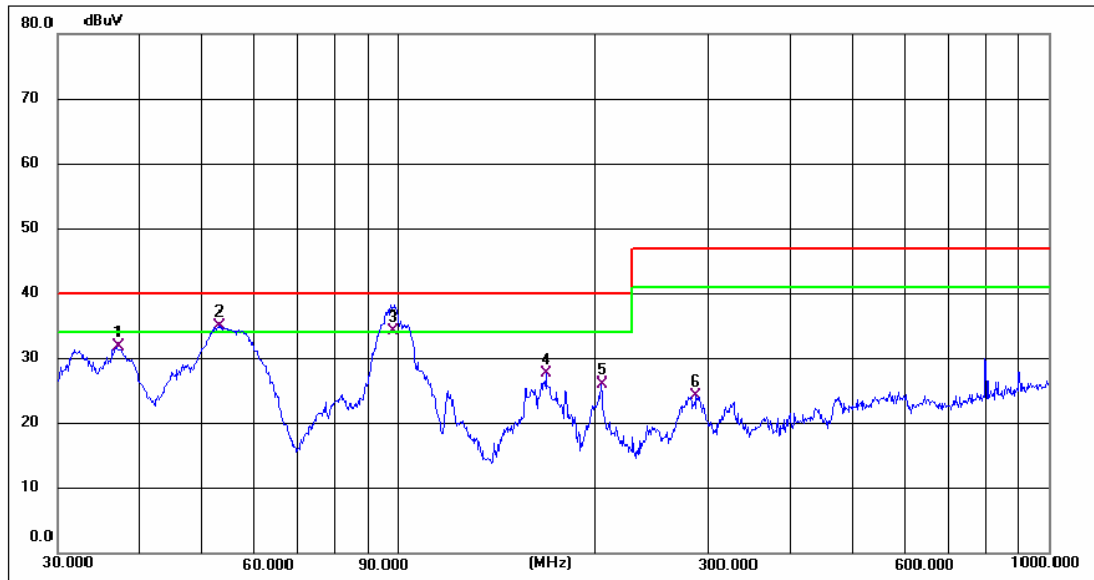
Site:	EN55032 RE-Class B 3M	Antenna::Horizontal	Temperature(C):25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%):50%
EUT:	TC-275	Power Rating:	2026/04/03
M/N.:	USB-C: 12V1.67A	Test Engineer:	AC230V/50Hz
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	57.5939	42.00	-18.58	23.42	40.00	-16.58	QP	100	154	
2 *	103.4421	42.83	-15.20	27.63	40.00	-12.37	QP	100	102	
3	120.6991	36.11	-12.50	23.61	40.00	-16.39	QP	100	145	
4	204.9551	38.48	-13.82	24.66	40.00	-15.34	QP	100	145	
5	291.0360	34.66	-11.20	23.46	47.00	-23.54	QP	100	254	
6	323.3204	34.81	-10.74	24.07	47.00	-22.93	QP	100	145	

*:Maximum data x:Over limit !:over margin



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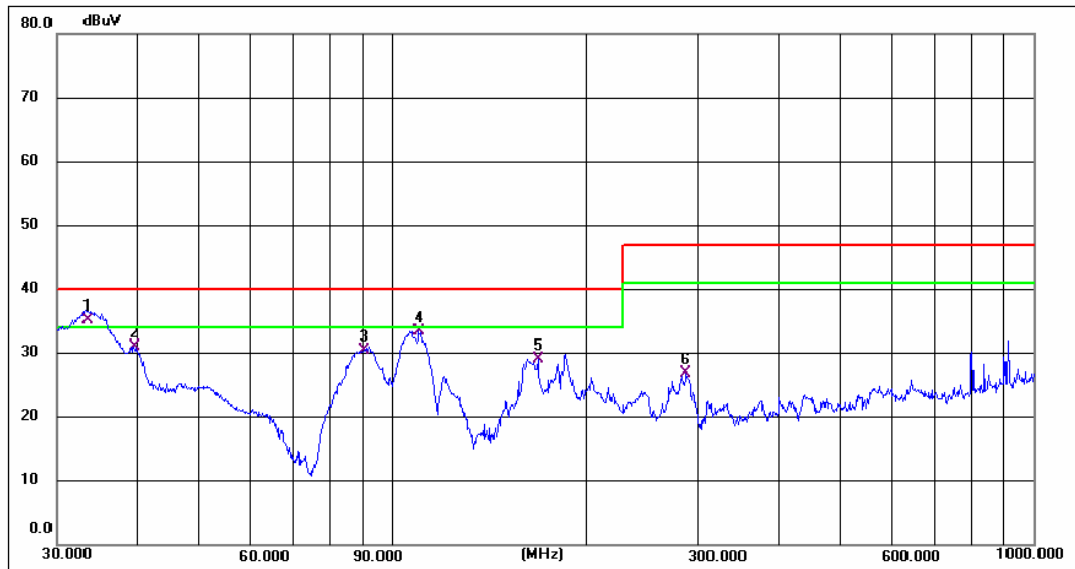
Site:	Antenna:: Vertical	Temperature(C): 25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%): 50%
EUT: PD20W FAST CHARGING	Test Time: 2026/04/03	
M/N.: TC-275	Power Rating: AC230V/50Hz	
Mode: USB-C: 12V1.67A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	37.1550	41.53	-9.65	31.88	40.00	-8.12	QP	100	154	
2 *	53.1313	53.18	-18.20	34.98	40.00	-5.02	QP	100	165	
3 !	97.8476	51.07	-16.86	34.21	40.00	-5.79	QP	100	154	
4	169.0054	41.52	-13.85	27.67	40.00	-12.33	QP	100	120	
5	204.9551	39.81	-13.82	25.99	40.00	-14.01	QP	100	125	
6	286.9823	35.47	-11.20	24.27	47.00	-22.73	QP	100	145	

*:Maximum data x:Over limit !:over margin



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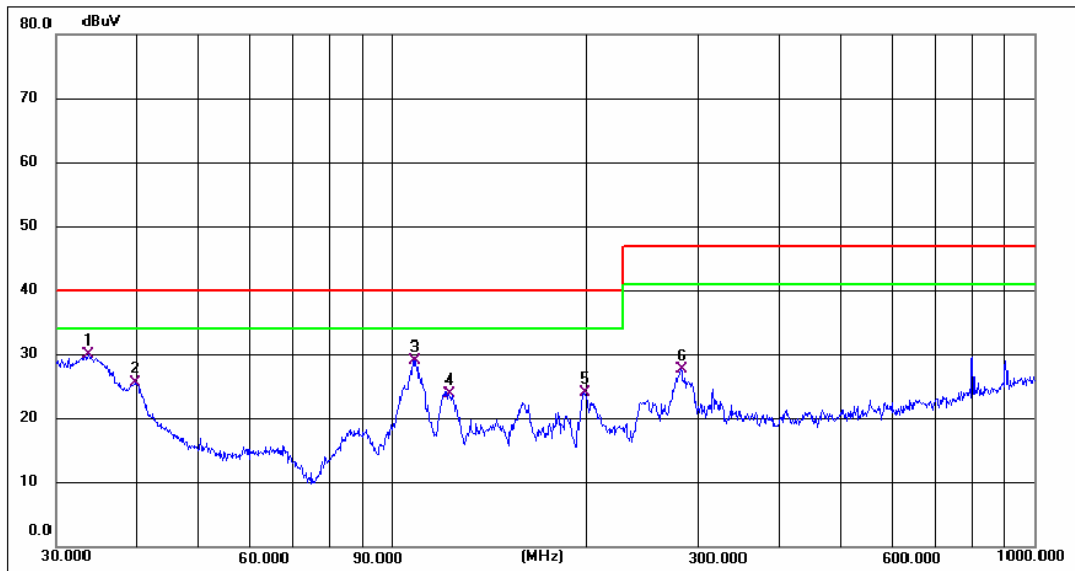
Site:	EN55032 RE-Class B 3M	Antenna::Vertical	Temperature(C):25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%):50%
EUT:	TC-275	Power Rating:	2026/04/03
M/N.:	USB-C: 12V1.67A	Test Engineer:	AC120V/60Hz
Mode:			
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	33.5112	43.04	-7.75	35.29	40.00	-4.71	QP	100	154	
2	39.5757	40.40	-9.36	31.04	40.00	-8.96	QP	100	158	
3	90.5374	49.27	-18.75	30.52	40.00	-9.48	QP	100	169	
4	109.7960	47.09	-13.64	33.45	40.00	-6.55	QP	100	147	
5	169.0054	42.94	-13.85	29.09	40.00	-10.91	QP	100	145	
6	286.9823	37.95	-11.20	26.75	47.00	-20.25	QP	100	154	

*:Maximum data x:Over limit !:over margin



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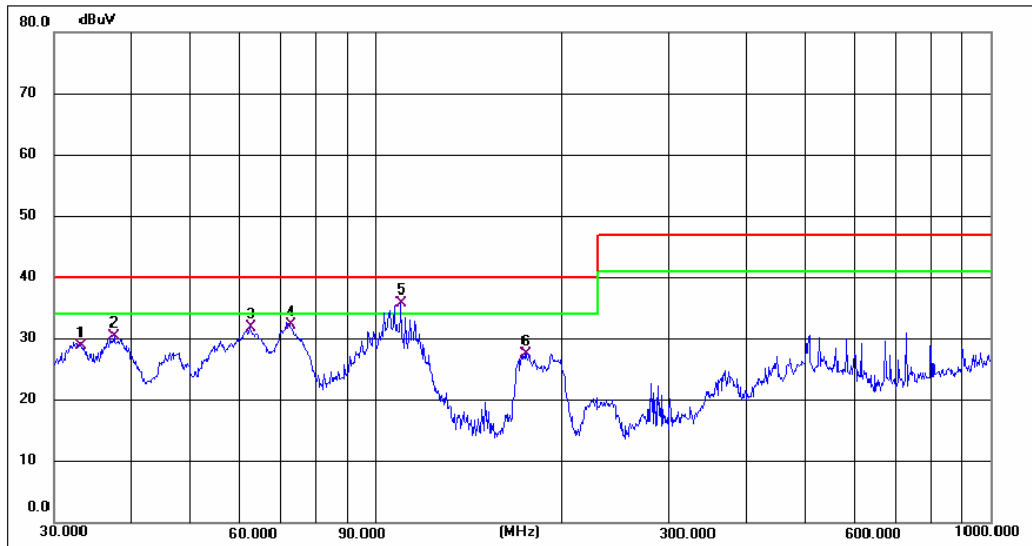
Site:	EN55032 RE-Class B 3M	Antenna::Horizontal	Temperature(C):25.5(C)
Limit:	PD20W FAST CHARGING	Humidity(%):50%	
EUT:	TC-275	Test Time:	2026/04/03
M/N.:	USB-C: 12V1.67A	Power Rating:	AC120V/60Hz
Mode:		Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	33.6802	37.99	-7.92	30.07	40.00	-9.93	QP	100	154	
2	39.8542	37.86	-12.23	25.63	40.00	-14.37	QP	100	154	
3	108.6470	42.89	-13.77	29.12	40.00	-10.88	QP	100	196	
4	122.4040	36.04	-12.21	23.83	40.00	-16.17	QP	100	154	
5	198.5880	36.57	-12.44	24.13	40.00	-15.87	QP	100	132	
6	281.0075	39.03	-11.39	27.64	47.00	-19.36	QP	100	147	

*:Maximum data x:Over limit !:over margin



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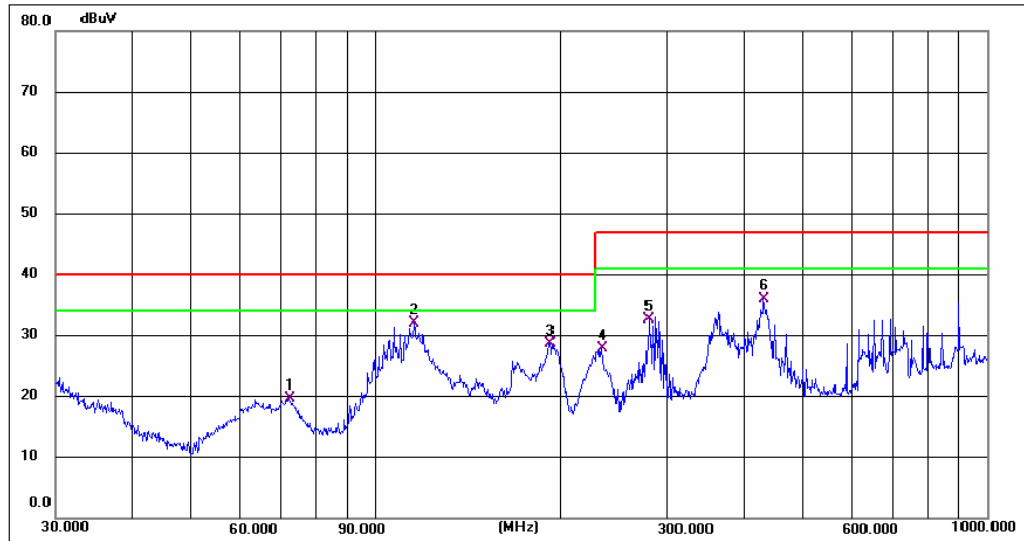
Site:		Antenna:: Vertical	Temperature(C): 25.5(C)
Limit:	EN55032 RE-Class B 3M		Humidity(%): 50%
EUT:	PD20W FAST CHARGING	Test Time:	2026/04/08
M/N.:	TC-280	Power Rating:	AC230V/50Hz
Mode:	PPS: USB-C: 11V1.8A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	33.0950	36.19	-7.34	28.85	40.00	-11.15	QP	100	214	
2	37.5479	40.30	-9.92	30.38	40.00	-9.62	QP	100	21	
3	62.4314	50.64	-18.88	31.76	40.00	-8.24	QP	100	54	
4	72.5916	51.04	-18.89	32.15	40.00	-7.85	QP	100	85	
5 *	109.7960	49.47	-13.64	35.83	40.00	-4.17	QP	100	45	
6	175.6516	42.08	-14.63	27.45	40.00	-12.55	QP	100	56	

*:Maximum data x:Over limit !:over margin



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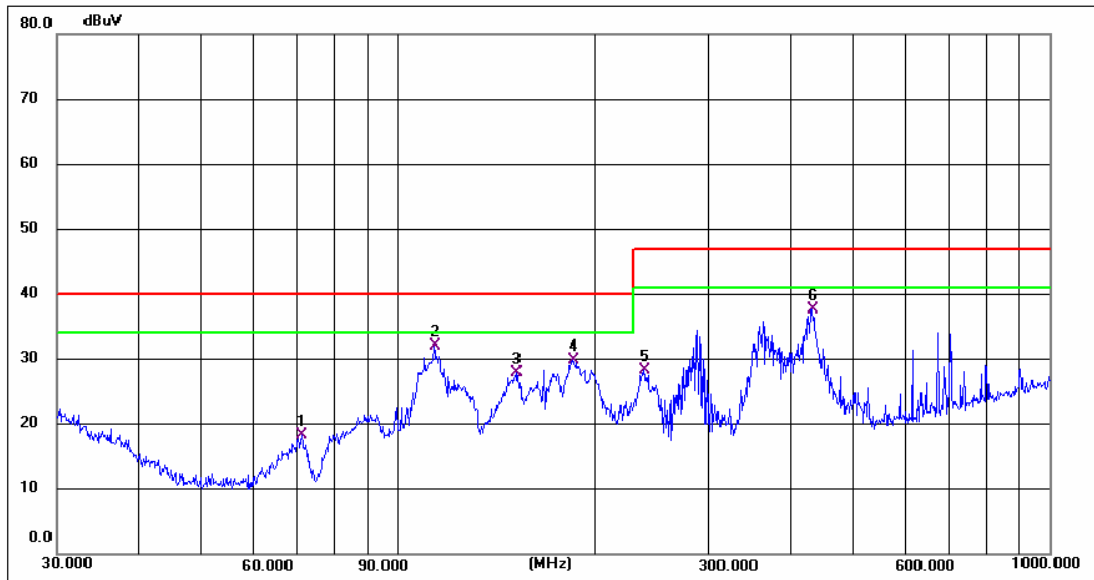
Site:		Antenna::Horizontal	Temperature(C):25.5(C)
Limit:	EN55032 RE-Class B 3M		Humidity(%):50%
EUT:	PD20W FAST CHARGING	Test Time:	2026/04/08
M/N.:	TC-280	Power Rating:	AC230V/50Hz
Mode:	PPS: USB-C: 11V1.8A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	72.3376	38.57	-18.85	19.72	40.00	-20.28	QP	100	25	
2 *	115.7256	44.44	-12.50	31.94	40.00	-8.06	QP	100	47	
3	192.4186	43.16	-14.53	28.63	40.00	-11.37	QP	100	58	
4	234.1684	41.73	-13.98	27.75	47.00	-19.25	QP	100	45	
5	280.0237	44.14	-11.44	32.70	47.00	-14.30	QP	100	12	
6	431.0316	44.44	-8.38	36.06	47.00	-10.94	QP	100	96	

*:Maximum data x:Over limit !:over margin



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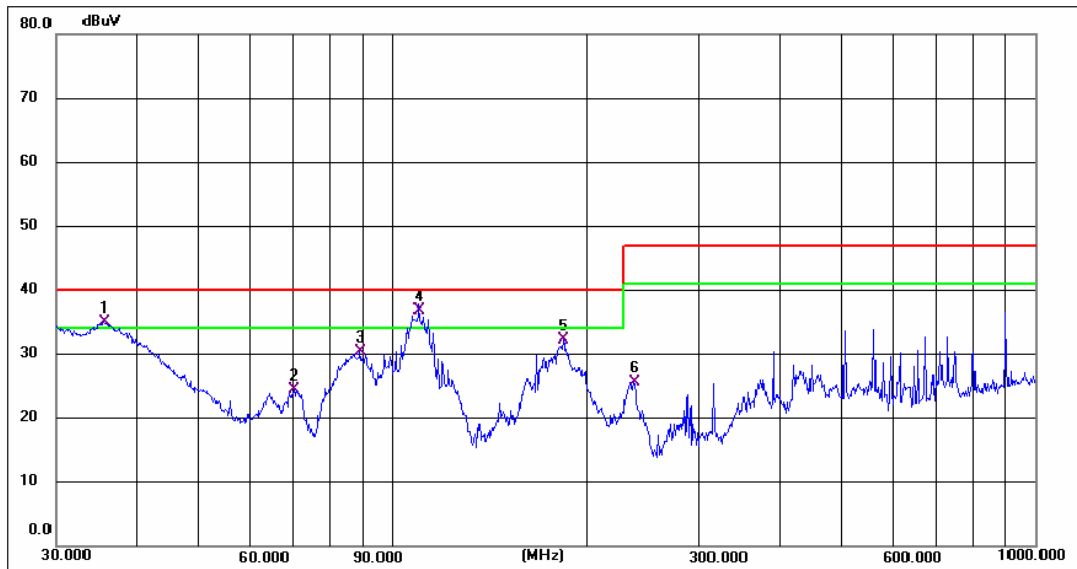
Site:	Antenna::Horizontal	Temperature(C):25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%):50%
EUT: PD20W FAST CHARGING	Test Time:	2026/04/08
M/N.: TC-280	Power Rating:	AC120V/60Hz
Mode: PPS: USB-C: 11V1.8A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	71.3300	36.99	-18.80	18.19	40.00	-21.81	QP	100	54	
2 *	113.7143	44.85	-12.78	32.07	40.00	-7.93	QP	100	21	
3	152.1297	41.32	-13.51	27.81	40.00	-12.19	QP	100	54	
4	185.7882	44.72	-14.99	29.73	40.00	-10.27	QP	100	98	
5	238.3102	42.08	-13.83	28.25	47.00	-18.75	QP	100	87	
6	432.5457	45.94	-8.33	37.61	47.00	-9.39	QP	100	24	

*:Maximum data x:Over limit !:over margin



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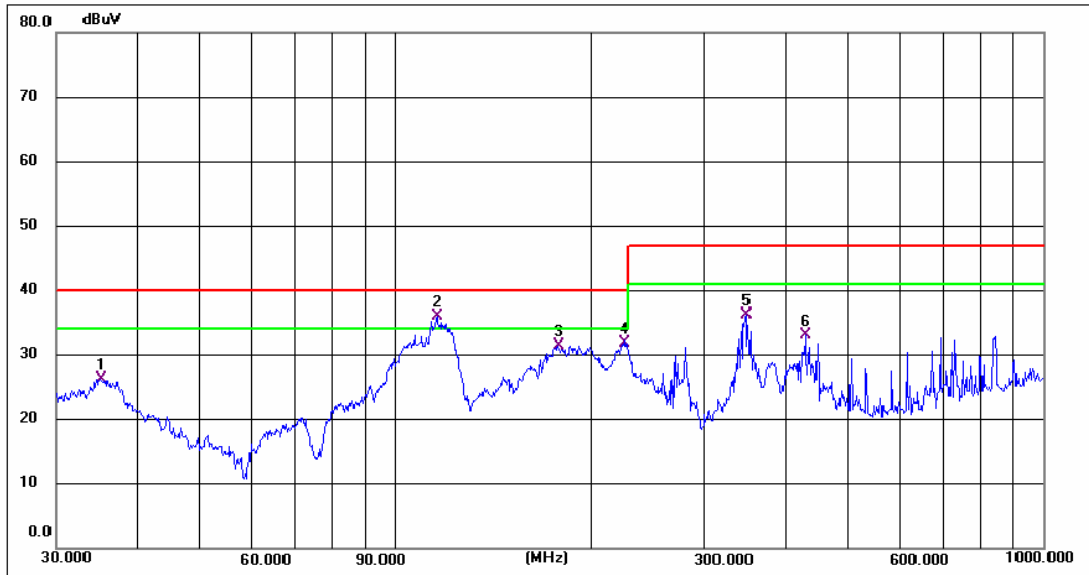
Site:	EN55032 RE-Class B 3M	Antenna::Vertical	Temperature(C):25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%):50%
EUT:	TC-280	Power Rating:	2026/04/08
M/N:	PPS: USB-C: 11V1.8A	Test Engineer:	AC120V/60Hz
Mode:			
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 !	35.6240	43.79	-8.79	35.00	40.00	-5.00	QP	100	66	
2	70.3365	43.24	-18.81	24.43	40.00	-15.57	QP	100	54	
3	88.9639	49.31	-18.84	30.47	40.00	-9.53	QP	100	96	
4 *	109.7960	50.49	-13.64	36.85	40.00	-3.15	QP	100	54	
5	184.4898	47.31	-15.06	32.25	40.00	-7.75	QP	100	87	
6	237.4760	39.42	-13.87	25.55	47.00	-21.45	QP	100	54	

*:Maximum data x:Over limit !:over margin



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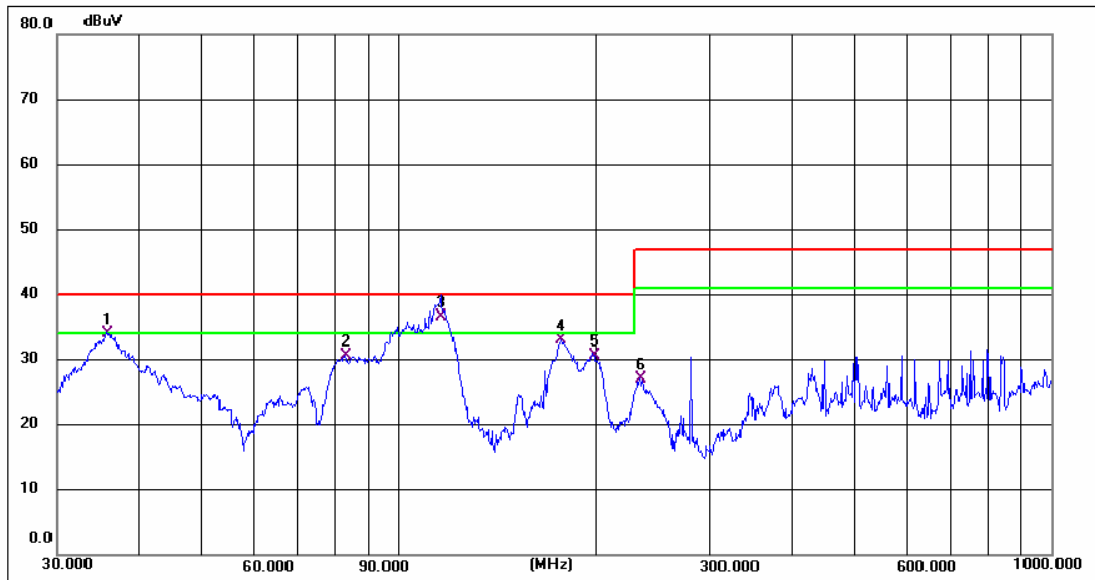
Site:		Antenna::Horizontal	Temperature(C):25.5(C)
Limit:	EN55032 RE-Class B 3M		Humidity(%):50%
EUT:	PD20W FAST CHARGING	Test Time:	2026/04/10
M/N.:	TC-280	Power Rating:	AC120V/60Hz
Mode:	PPS: USB-C: 5.9V3A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	35.1278	34.94	-8.62	26.32	40.00	-13.68	QP	100	14	
2 *	116.1321	48.43	-12.48	35.95	40.00	-4.05	QP	100	21	
3	178.1327	46.29	-14.86	31.43	40.00	-8.57	QP	100	54	
4	224.5193	46.04	-14.25	31.79	40.00	-8.21	QP	100	21	
5	348.0274	46.33	-10.22	36.11	47.00	-10.89	QP	100	54	
6	429.5228	41.37	-8.43	32.94	47.00	-14.06	QP	100	87	

*:Maximum data x:Over limit !:over margin



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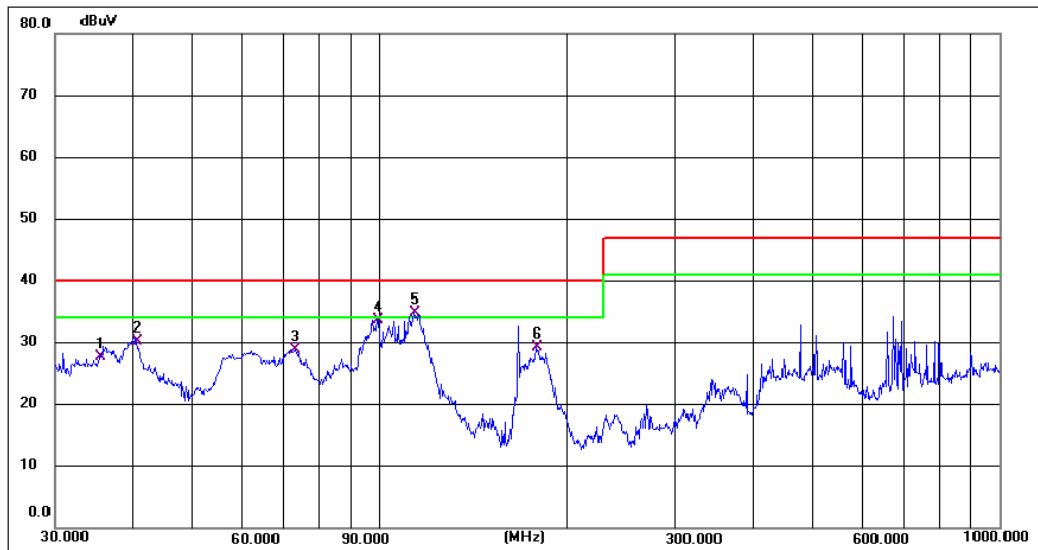
Site:	Antenna:: Vertical	Temperature(C):25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%):50%
EUT: PD20W FAST CHARGING	Test Time:	2026/04/10
M/N.: TC-280	Power Rating:	AC120V/60Hz
Mode: PPS: USB-C: 5.9V3A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 !	36.0007	42.94	-8.92	34.02	40.00	-5.98	QP	100	12	
2	82.9385	49.62	-19.01	30.61	40.00	-9.39	QP	100	54	
3 *	116.0121	49.11	-12.47	36.64	40.00	-3.36	QP	100	21	
4	176.8878	47.71	-14.73	32.98	40.00	-7.02	QP	100	21	
5	198.5880	43.14	-12.44	30.70	40.00	-9.30	QP	100	21	
6	234.1684	40.98	-13.98	27.00	47.00	-20.00	QP	100	54	

*:Maximum data x:Over limit !:over margin



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Site:	EN55032 RE-Class B 3M	Antenna:: Vertical	Temperature(C): 25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%): 50%
EUT:	TC-280	Power Rating:	2026/04/10
M/N.:	PPS: USB-C: 5.9V3A	Test Engineer:	AC230V/50Hz
Mode:			
Note:			

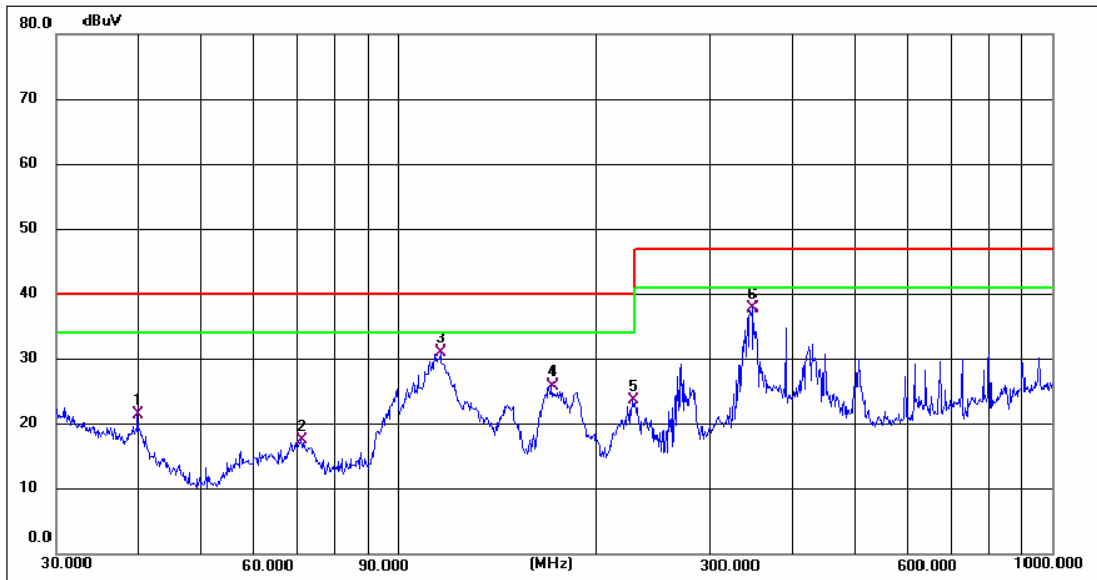
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	35.4993	36.42	-8.75	27.67	40.00	-12.33	QP	100	54	
2	40.7016	40.91	-10.76	30.15	40.00	-9.85	QP	100	96	
3	73.3593	47.80	-19.00	28.80	40.00	-11.20	QP	100	87	
4	99.1797	50.04	-16.33	33.71	40.00	-6.29	QP	100	54	
5 *	113.7143	47.50	-12.78	34.72	40.00	-5.28	QP	100	63	
6	178.7584	44.12	-14.93	29.19	40.00	-10.81	QP	100	65	

*:Maximum data x:Over limit !:over margin

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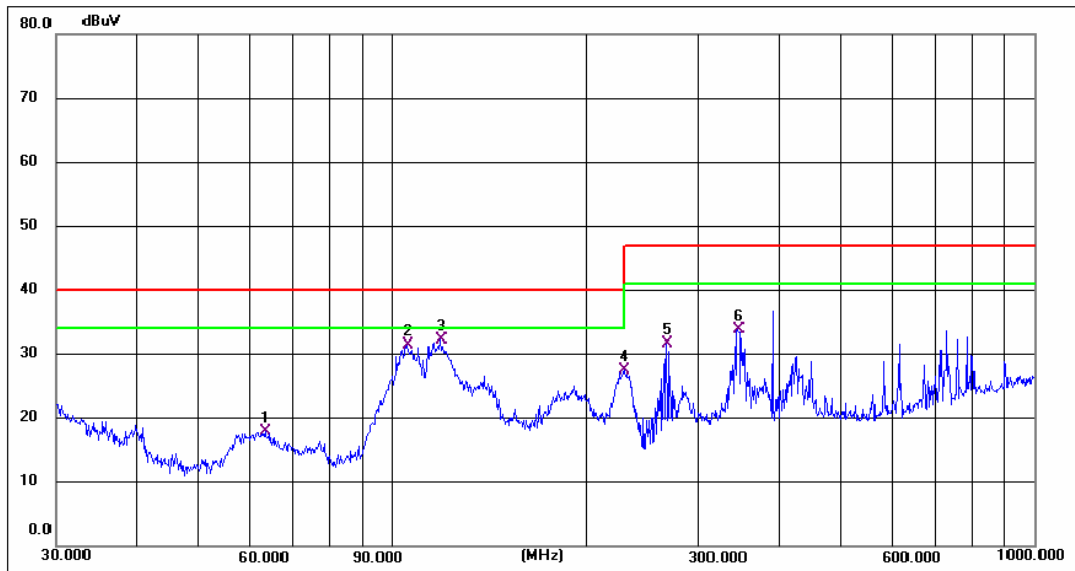
Site:	Antenna::Horizontal	Temperature(C):25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%):50%
EUT: PD20W FAST CHARGING	Test Time: 2026/04/10	
M/N.: TC-280	Power Rating: AC230V/50Hz	
Mode: PPS: USB-C: 5.9V3A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	39.9942	33.87	-12.38	21.49	40.00	-18.51	QP	100	32	
2	71.0803	36.25	-18.80	17.45	40.00	-22.55	QP	100	41	
3 *	116.1321	43.54	-12.48	31.06	40.00	-8.94	QP	100	95	
4	171.9946	40.19	-14.27	25.92	40.00	-14.08	QP	100	65	
5	227.6906	37.73	-14.11	23.62	40.00	-16.38	QP	100	87	
6	348.0274	48.05	-10.22	37.83	47.00	-9.17	QP	100	65	

*:Maximum data x:Over limit !:over margin



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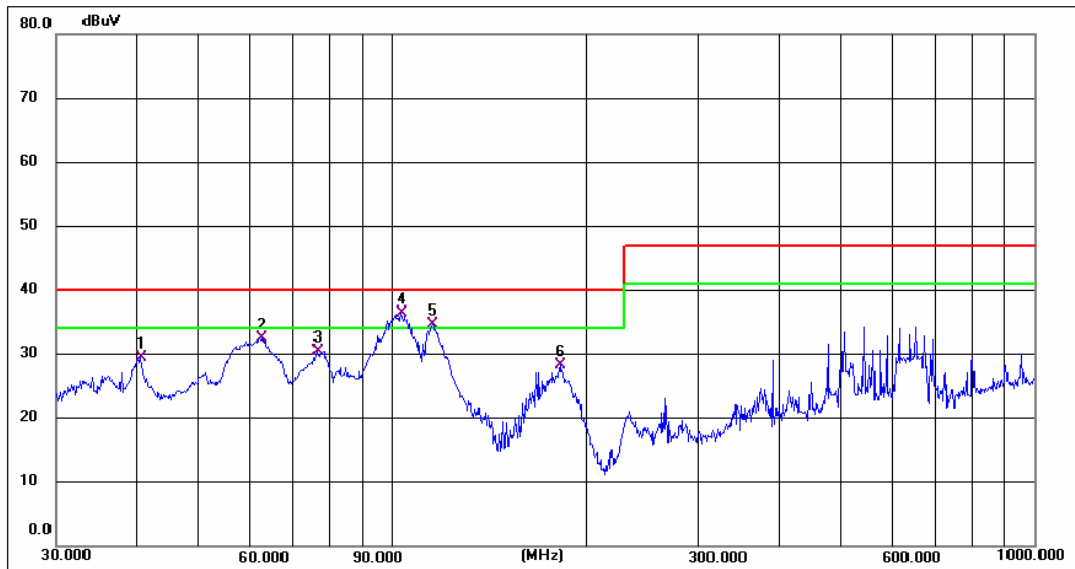
Site:	EN55032 RE-Class B 3M	Antenna::Horizontal	Temperature(C):25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%):50%
EUT:	TC-275	Power Rating:	2026/04/10
M/N:	PPS: USB-C: 5.9V3A	Test Engineer:	AC230V/50Hz
Mode:			
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	63.5356	36.49	-18.72	17.77	40.00	-22.23	QP	100	87	
2	105.6415	45.96	-14.48	31.48	40.00	-8.52	QP	100	96	
3 *	119.0180	44.88	-12.61	32.27	40.00	-7.73	QP	100	25	
4	230.0985	41.45	-14.01	27.44	47.00	-19.56	QP	100	74	
5	267.5455	43.17	-11.56	31.61	47.00	-15.39	QP	100	98	
6	345.5952	44.23	-10.36	33.87	47.00	-13.13	QP	100	54	

*:Maximum data x:Over limit !:over margin



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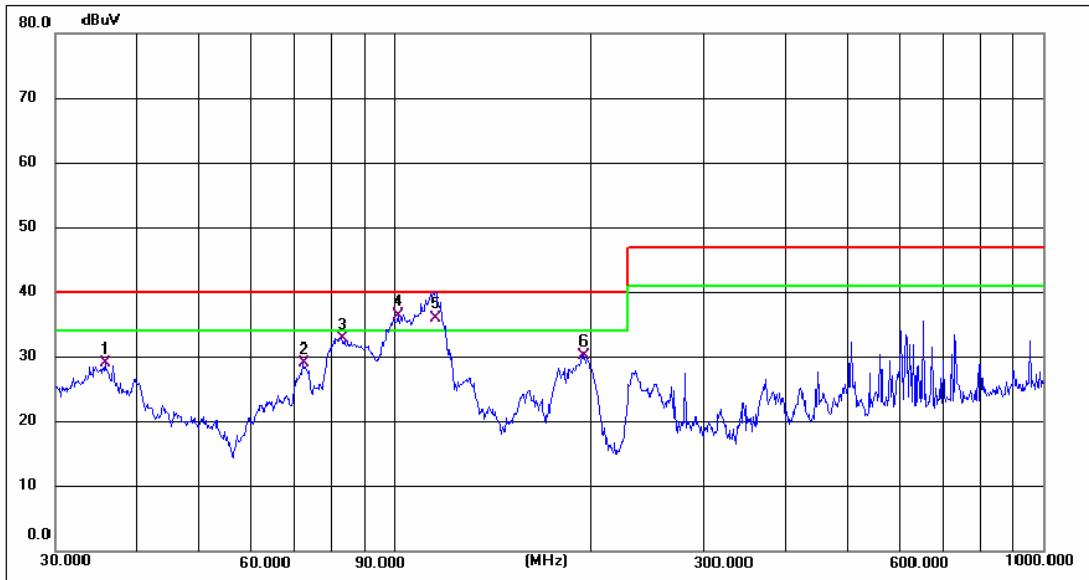
Site:	EN55032 RE-Class B 3M	Antenna::Vertical	Temperature(C):25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%):50%
EUT:	TC-275	Power Rating:	2026/04/10
M/N.:	PPS: USB-C: 5.9V3A	Test Engineer:	AC230V/50Hz
Mode:			
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	40.7016	40.11	-10.76	29.35	40.00	-10.65	QP	100	65	
2	62.6507	51.26	-18.85	32.41	40.00	-7.59	QP	100	25	
3	76.5121	49.60	-19.15	30.45	40.00	-9.55	QP	100	54	
4 *	103.4421	51.53	-15.20	36.33	40.00	-3.67	QP	100	74	
5 †	115.7256	47.17	-12.50	34.67	40.00	-5.33	QP	100	98	
6	182.5592	43.33	-15.17	28.16	40.00	-11.84	QP	100	36	

*:Maximum data x:Over limit †:over margin



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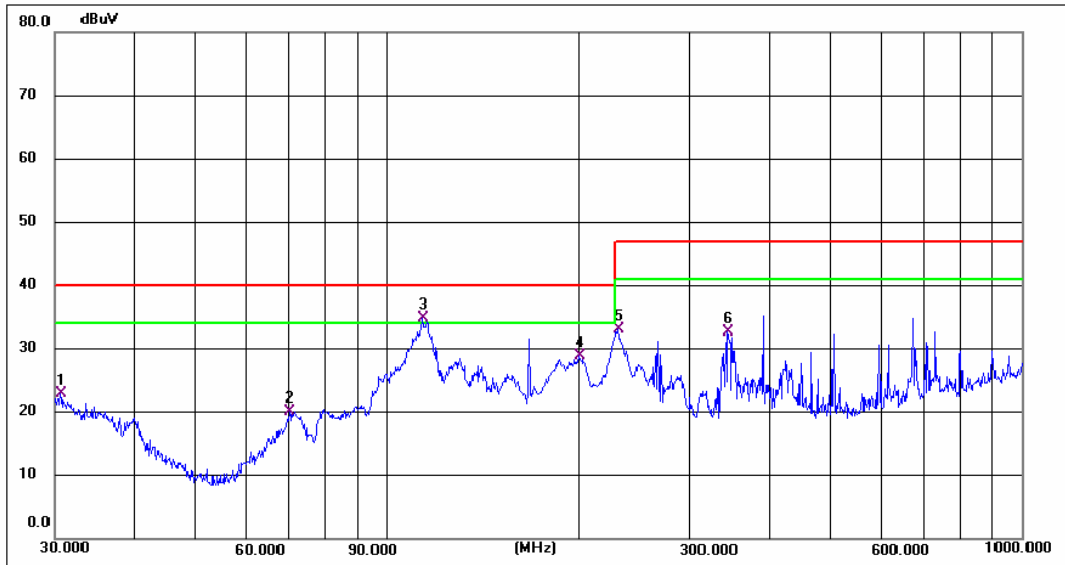
Site:	Antenna:: Vertical	Temperature(C): 25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%): 50%
EUT: PD20W FAST CHARGING	Test Time: 2026/04/10	
M/N.: TC-275	Power Rating: AC120V/60Hz	
Mode: PPS: USB-C: 5.9V3A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	35.8746	37.81	-8.88	28.93	40.00	-11.07	QP	100	87	
2	72.3376	47.96	-18.85	29.11	40.00	-10.89	QP	100	96	
3	82.9385	51.83	-19.01	32.82	40.00	-7.18	QP	100	25	
4 *	101.2885	52.05	-15.72	36.33	40.00	-3.67	QP	100	14	
5 !	115.7256	48.59	-12.50	36.09	40.00	-3.91	QP	100	98	
6	195.1365	44.01	-13.77	30.24	40.00	-9.76	QP	100	65	

*:Maximum data x:Over limit !:over margin



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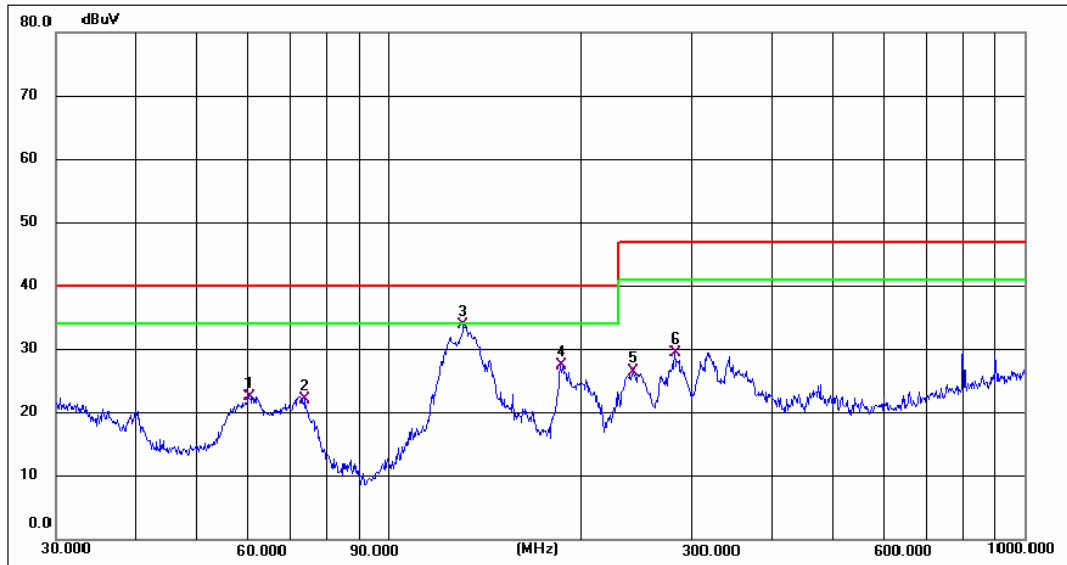
Site:	Antenna::Horizontal	Temperature(C):25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%):50%
EUT: PD20W FAST CHARGING	Test Time: 2026/04/10	
M/N.: TC-275	Power Rating: AC120V/60Hz	
Mode: PPS: USB-C: 5.9V3A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	30.6379	27.80	-4.90	22.90	40.00	-17.10	QP	100	32	
2	70.3365	38.95	-18.81	20.14	40.00	-19.86	QP	100	96	
3 *	113.7143	47.61	-12.78	34.83	40.00	-5.17	QP	100	85	
4	200.6881	41.21	-12.32	28.89	40.00	-11.11	QP	100	74	
5	230.9068	47.03	-14.00	33.03	47.00	-13.97	QP	100	98	
6	344.3855	43.00	-10.41	32.59	47.00	-14.41	QP	100	36	

*:Maximum data x:Over limit !:over margin



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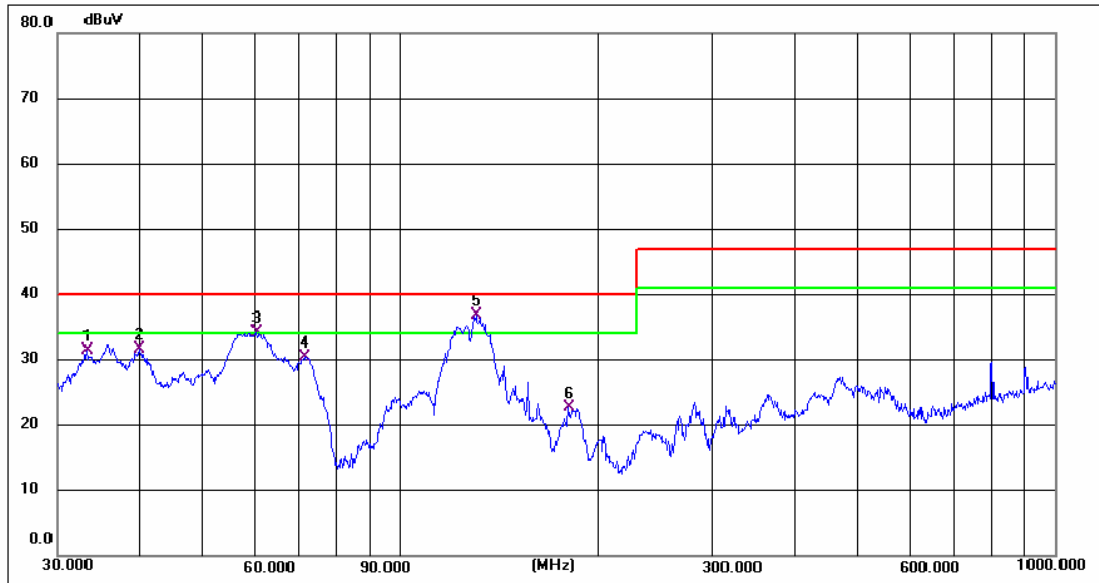
Site:	Antenna::Horizontal	Temperature(C):25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%):50%
EUT: PD20W FAST CHARGING	Test Time: 2026/04/10	
M/N.: TC-280	Power Rating: AC230V/50Hz	
Mode: USB-C: 12V1.67A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	60.2801	41.22	-18.87	22.35	40.00	-17.65	QP	100	54	
2	73.8756	41.05	-19.08	21.97	40.00	-18.03	QP	100	63	
3 *	131.2965	46.41	-12.63	33.78	40.00	-6.22	QP	100	25	
4	186.4409	42.43	-15.02	27.41	40.00	-12.59	QP	100	74	
5	242.5253	40.07	-13.69	26.38	47.00	-20.62	QP	100	98	
6	281.0075	40.79	-11.39	29.40	47.00	-17.60	QP	100	65	

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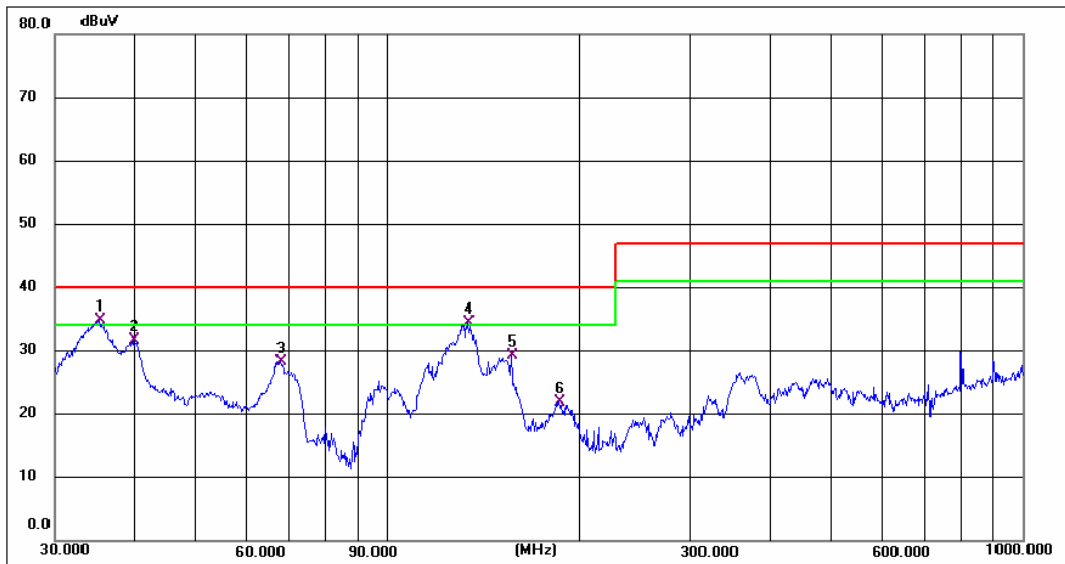
Site:		Antenna:: Vertical	Temperature(C):25.5(C)
Limit:	EN55032 RE-Class B 3M		Humidity(%):50%
EUT:	PD20W FAST CHARGING	Test Time:	2026/04/10
M/N.:	TC-280	Power Rating:	AC230V/50Hz
Mode:	USB-C: 12V1.67A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	33.2112	38.96	-7.45	31.51	40.00	-8.49	QP	100	54	
2	40.1347	41.15	-9.45	31.70	40.00	-8.30	QP	100	36	
3 !	60.2801	52.99	-18.87	34.12	40.00	-5.88	QP	100	15	
4	71.5806	49.17	-18.80	30.37	40.00	-9.63	QP	100	74	
5 *	130.8369	49.49	-12.61	36.88	40.00	-3.12	QP	100	98	
6	180.6488	37.73	-15.14	22.59	40.00	-17.41	QP	100	65	

*:Maximum data x:Over limit !:over margin



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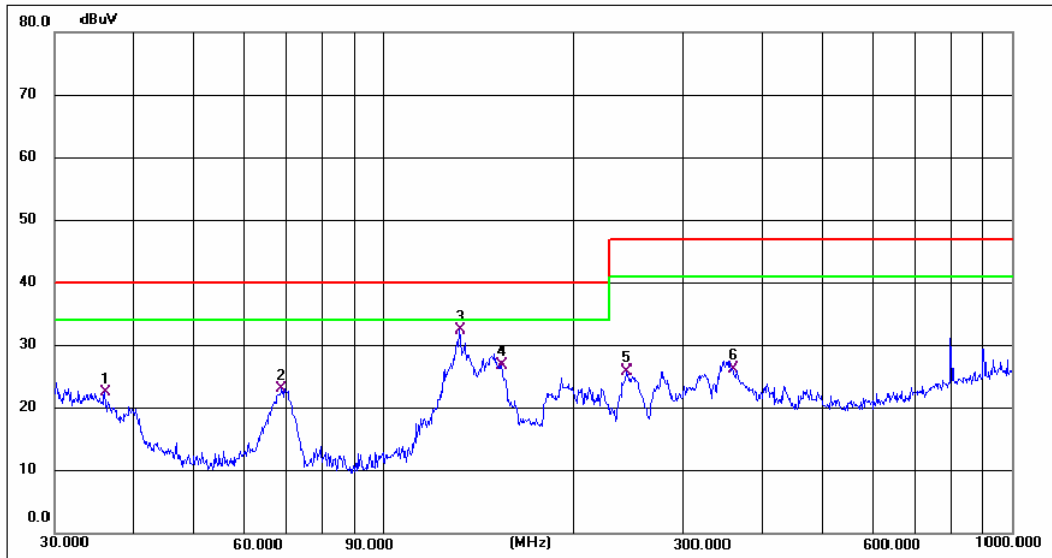
Site:	EN55032 RE-Class B 3M	Antenna:: Vertical	Temperature(C): 25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%): 50%
EUT:	TC-280	Power Rating:	2026/04/10
M/N.:	USB-C: 12V1.67A	Test Engineer:	AC120V/60Hz
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1 *	35.2512	43.46	-8.66	34.80	40.00	-5.20	QP	100	74	
2	39.9942	40.72	-9.14	31.58	40.00	-8.42	QP	100	98	
3	67.9129	47.25	-19.02	28.23	40.00	-11.77	QP	100	36	
4 !	134.0882	47.53	-13.15	34.38	40.00	-5.62	QP	100	41	
5	156.4578	42.86	-13.54	29.32	40.00	-10.68	QP	100	87	
6	186.4409	36.89	-15.02	21.87	40.00	-18.13	QP	100	65	

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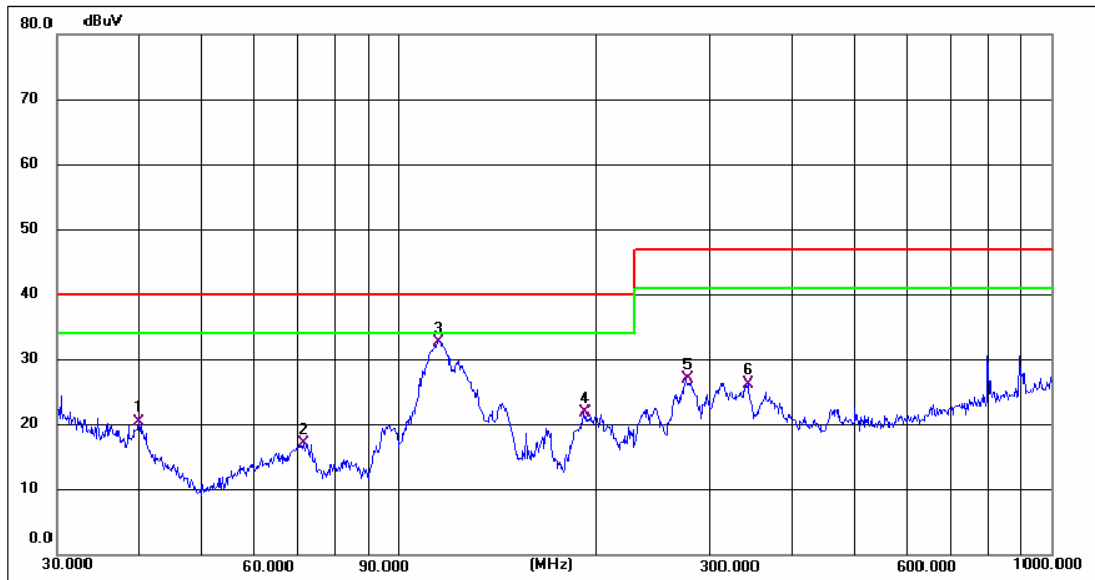
Site:		Antenna::Horizontal	Temperature(C):25.5(C)
Limit:	EN55032 RE-Class B 3M		Humidity(%):50%
EUT:	PD20W FAST CHARGING	Test Time:	2026/04/10
M/N.:	TC-280	Power Rating:	AC120V/60Hz
Mode:	USB-C: 12V1.67A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	36.1272	31.34	-8.99	22.35	40.00	-17.65	QP	100	25	
2	68.8721	42.04	-18.93	23.11	40.00	-16.89	QP	100	52	
3 *	132.2206	45.13	-12.72	32.41	40.00	-7.59	QP	100	98	
4	153.7385	40.07	-13.33	26.74	40.00	-13.26	QP	100	36	
5	244.2321	39.54	-13.65	25.89	47.00	-21.11	QP	100	87	
6	357.9287	36.24	-10.09	26.15	47.00	-20.85	QP	100	65	

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Site:	Antenna::Horizontal	Temperature(C):25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%):50%
EUT: PD20W FAST CHARGING	Test Time:	2026/04/10
M/N.: TC-280	Power Rating:	AC230V/50Hz
Mode: USB-A+USB-C: 5V3A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	40.1347	32.98	-12.48	20.50	40.00	-19.50	QP	100	42	
2	71.5806	35.78	-18.80	16.98	40.00	-23.02	QP	100	12	
3 *	114.9169	45.12	-12.59	32.53	40.00	-7.47	QP	100	32	
4	192.4186	36.31	-14.53	21.78	40.00	-18.22	QP	100	12	
5	276.1235	38.56	-11.46	27.10	47.00	-19.90	QP	100	65	
6	343.1800	36.65	-10.47	26.18	47.00	-20.82	QP	100	54	

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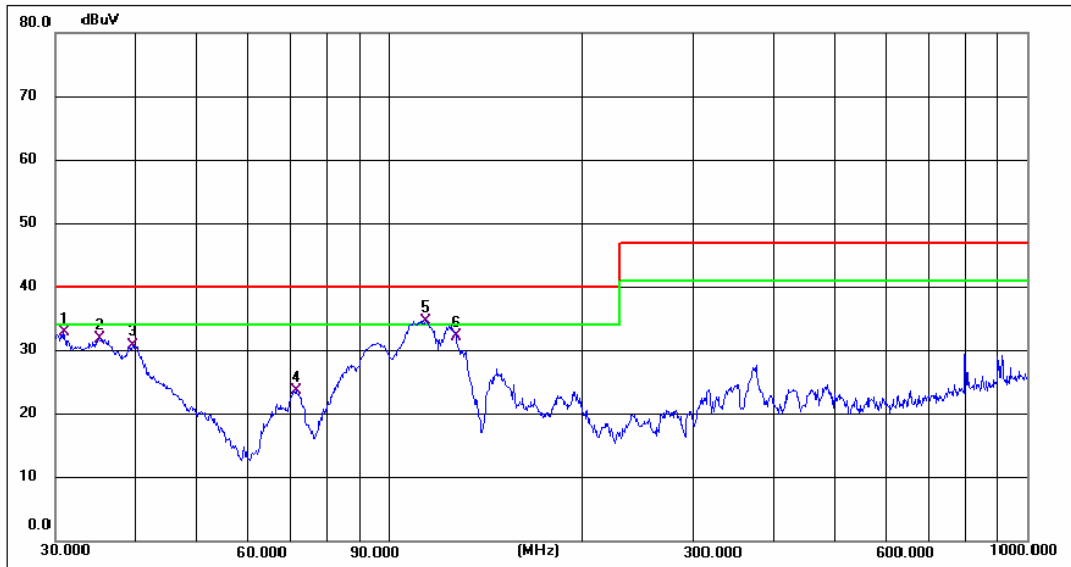
Site:	Antenna:: Vertical	Temperature(C): 25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%): 50%
EUT: PD20W FAST CHARGING	Test Time:	2026/04/10
M/N.: TC-280	Power Rating:	AC230V/50Hz
Mode: USB-A+USB-C: 5V3A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	40.1347	40.18	-9.45	30.73	40.00	-9.27	QP	100	12	
2	72.3376	46.69	-18.85	27.84	40.00	-12.16	QP	100	32	
3	93.4402	48.08	-18.23	29.85	40.00	-10.15	QP	100	12	
4 *	114.7405	48.45	-12.62	35.83	40.00	-4.17	QP	100	56	
5	276.1235	34.90	-11.46	23.44	47.00	-23.56	QP	100	87	
6	372.0045	34.51	-9.90	24.61	47.00	-22.39	QP	100	45	

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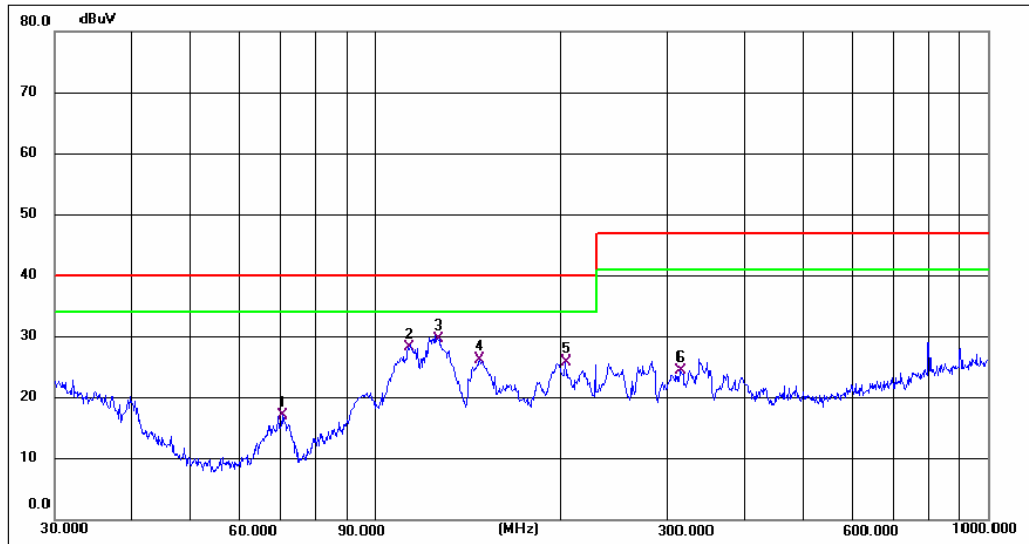
Site:	EN55032 RE-Class B 3M	Antenna::Vertical	Temperature(C):25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%):50%
EUT:	TC-280	Power Rating:	2026/04/10
M/N.:	USB-A+USB-C: 5V3A	Test Engineer:	AC120V/60Hz
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	30.9619	37.95	-5.21	32.74	40.00	-7.26	QP	100	32	
2	35.1278	40.53	-8.62	31.91	40.00	-8.09	QP	100	12	
3	39.7146	40.08	-9.29	30.79	40.00	-9.21	QP	100	32	
4	71.5806	42.38	-18.80	23.58	40.00	-16.42	QP	100	45	
5 *	114.1138	47.30	-12.68	34.62	40.00	-5.38	QP	100	96	
6	127.2176	44.84	-12.62	32.22	40.00	-7.78	QP	100	78	

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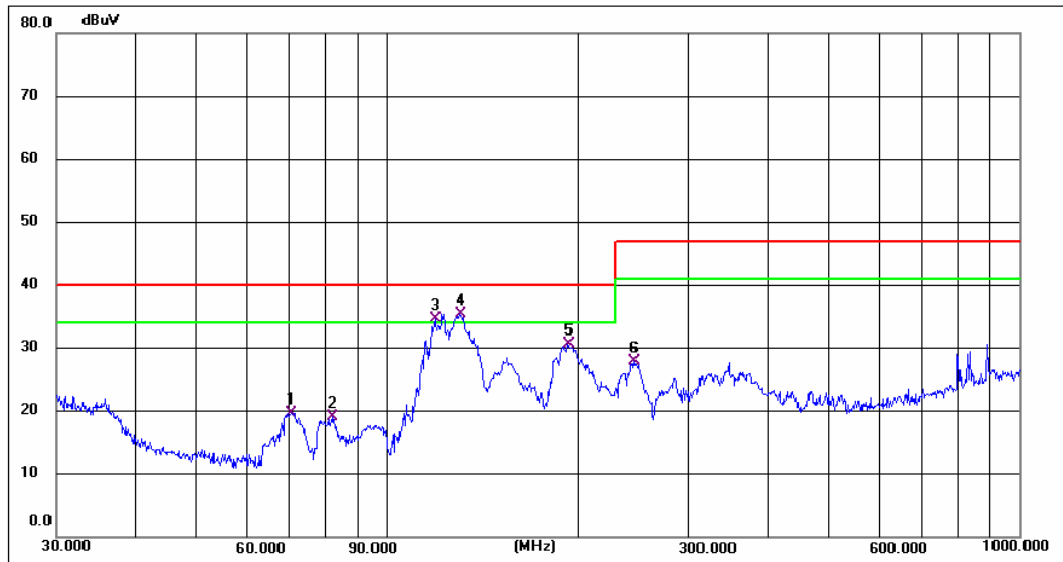
Site:	EN55032 RE-Class B 3M	Antenna::Horizontal	Temperature(C):25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%):50%
EUT:	TC-280	Power Rating:	2026/04/10
M/N.:	USB-A+USB-C: 5V3A	Test Engineer:	AC120V/60Hz
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	70.5836	35.79	-18.81	16.98	40.00	-23.02	QP	100	98	
2	113.3163	41.14	-12.91	28.23	40.00	-11.77	QP	100	12	
3 *	126.3286	42.12	-12.53	29.59	40.00	-10.41	QP	100	32	
4	148.4410	39.64	-13.49	26.15	40.00	-13.85	QP	100	54	
5	204.2377	39.33	-13.58	25.75	40.00	-14.25	QP	100	78	
6	314.3765	35.29	-10.80	24.49	47.00	-22.51	QP	100	45	

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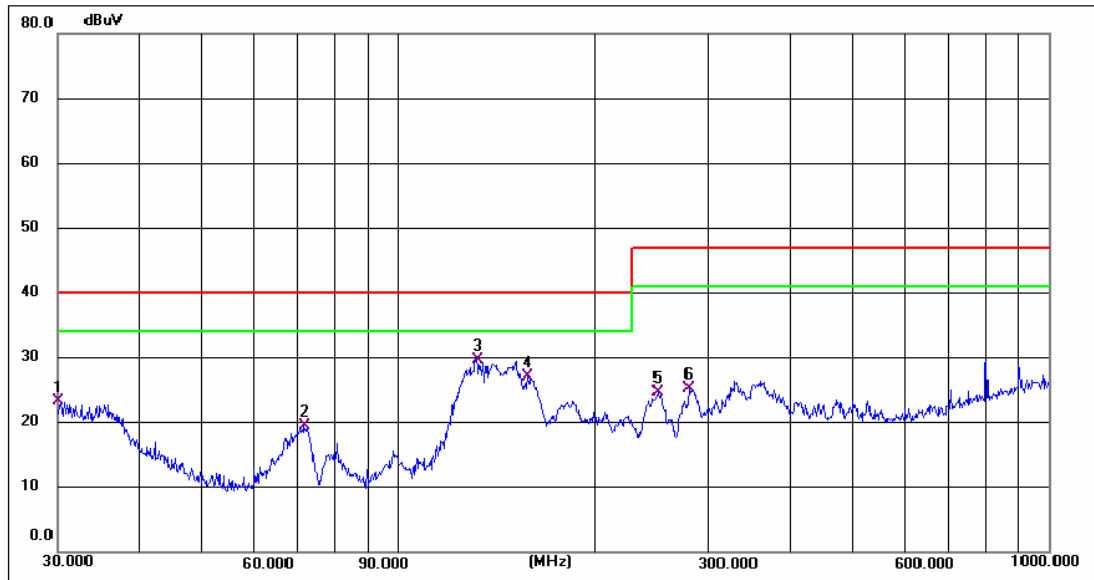
Site:		Antenna:: Vertical	Temperature(C):25.5(C)
Limit:	EN55032 RE-Class B 3M		Humidity(%):50%
EUT:	PD20W FAST CHARGING	Test Time:	2026/04/10
M/N.:	TC-280	Power Rating:	AC120V/60Hz
Mode:	USB-A:12V1.5A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	70.8315	38.48	-18.81	19.67	40.00	-20.33	QP	100	10	
2	82.0706	38.10	-18.96	19.14	40.00	-20.86	QP	100	45	
3 !	119.4361	47.33	-12.62	34.71	40.00	-5.29	QP	100	89	
4 *	130.3789	48.00	-12.59	35.41	40.00	-4.59	QP	100	36	
5	193.0945	44.93	-14.35	30.58	40.00	-9.42	QP	100	45	
6	245.9509	41.42	-13.61	27.81	47.00	-19.19	QP	100	78	

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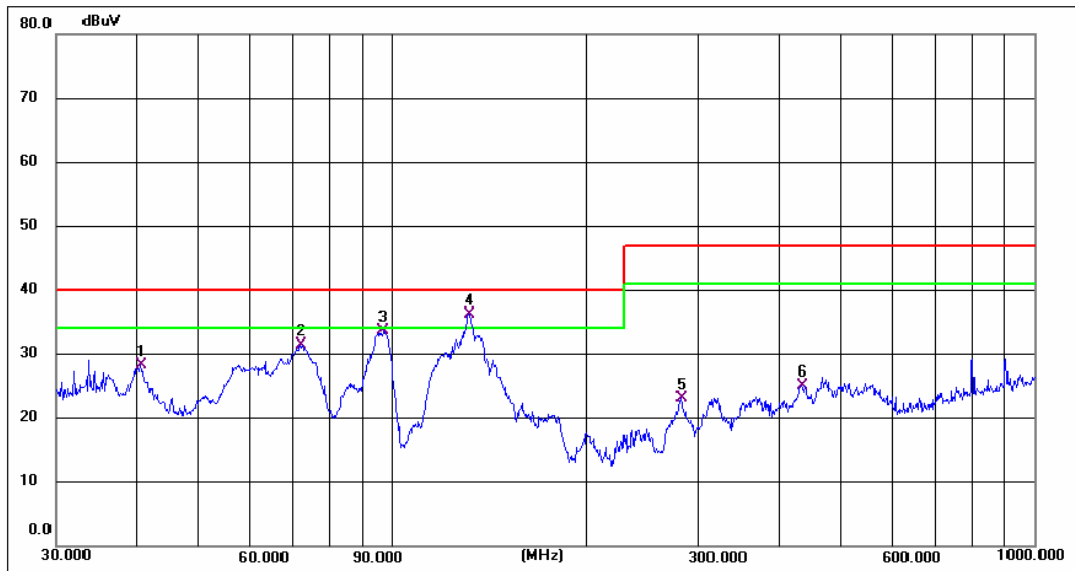
Site:	Antenna::Horizontal	Temperature(C):25.5(C)
Limit: EN55032 RE-Class B 3M		Humidity(%):50%
EUT: PD20W FAST CHARGING	Test Time:	2026/04/10
M/N.: TC-280	Power Rating:	AC120V/60Hz
Mode: USB-A:12V1.5A	Test Engineer:	
Note:		

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	30.0000	27.48	-4.26	23.22	40.00	-16.78	QP	100	65	
2	71.8320	38.24	-18.80	19.44	40.00	-20.56	QP	100	32	
3 *	132.2206	42.36	-12.72	29.64	40.00	-10.36	QP	100	12	
4	158.1123	40.79	-13.66	27.13	40.00	-12.87	QP	100	78	
5	250.3012	38.04	-13.49	24.55	47.00	-22.45	QP	100	54	
6	280.0237	36.74	-11.44	25.30	47.00	-21.70	QP	100	78	

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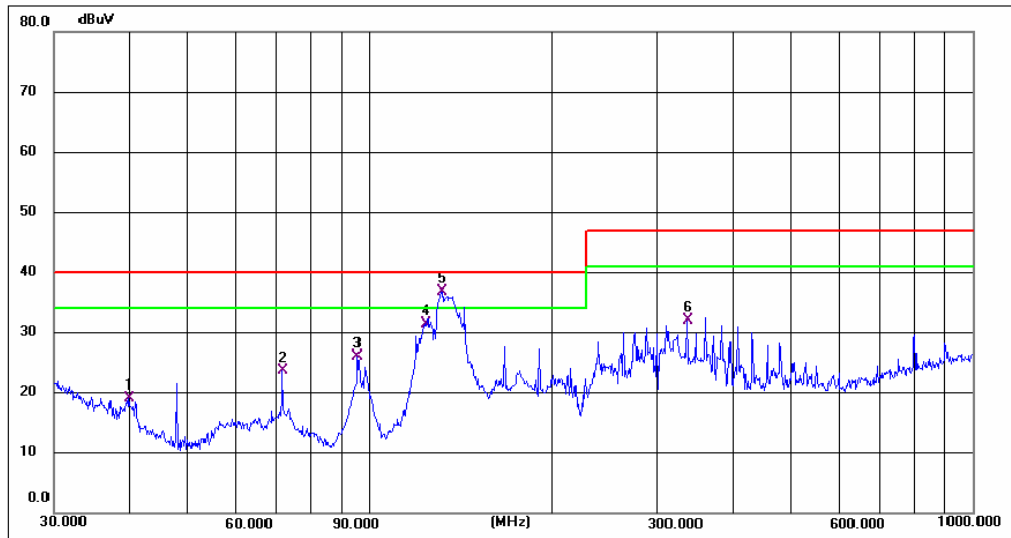
Site:	EN55032 RE-Class B 3M	Antenna::Vertical	Temperature(C):25.5(C)
Limit:	PD20W FAST CHARGING	Test Time:	Humidity(%):50%
EUT:	TC-280	Power Rating:	2026/04/10
M/N.:	USB-A:12V1.5A	Test Engineer:	AC230V/50Hz
Mode:			
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	40.7016	38.90	-10.76	28.14	40.00	-11.86	QP	100	12	
2	72.0843	50.24	-18.81	31.43	40.00	-8.57	QP	100	32	
3	97.1148	50.68	-17.15	33.53	40.00	-6.47	QP	100	45	
4 *	131.7577	48.94	-12.66	36.28	40.00	-3.72	QP	100	98	
5	281.0075	34.42	-11.39	23.03	47.00	-23.97	QP	100	54	
6	434.0651	33.33	-8.26	25.07	47.00	-21.93	QP	100	78	

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Site:		Antenna::Horizontal	Temperature(C):25.5(C)
Limit:	EN55032 RE-Class B 3M		Humidity(%):50%
EUT:	PD20W FAST CHARGING	Test Time:	2026/04/10
M/N.:	TC-280	Power Rating:	AC230V/50Hz
Mode:	USB-A:12V1.5A	Test Engineer:	
Note:			

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)	Remark
1	39.9942	31.42	-12.38	19.04	40.00	-20.96	QP	100	25	
2	71.8320	42.35	-18.80	23.55	40.00	-16.45	QP	100	65	
3	95.7622	43.70	-17.67	26.03	40.00	-13.97	QP	100	89	
4	123.6985	43.56	-12.14	31.42	40.00	-8.58	QP	100	65	
5 *	131.7577	49.44	-12.66	36.78	40.00	-3.22	QP	100	78	
6	336.0352	42.68	-10.66	32.02	47.00	-14.98	QP	100	45	

*:Maximum data x:Over limit !:over margin

<http://www.pnms-test.com>

Measurement Uncertainties

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.

The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.

Table 1: Measurement Uncertainty levels

Test	Parameters	Expanded uncertainty (U_{lab})	Expanded uncertainty (U_{cisp})
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 3.10 dB ± 2.73 dB	± 3.8 dB ± 3.4 dB
Disturbance Power	Level accuracy (30MHz to 300MHz)	± 3.63 dB	± 4.5 dB
Electromagnetic Radiated Emission (3-loop)	Level accuracy (9kHz to 30MHz)	± 2.70 dB	± 3.3 dB
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 4.70 dB	± 6.3 dB
Radiated Emission	Level accuracy (above 1000MHz)	± 5.24 dB	N/A
Mains Harmonic	Current	$\pm 5.02\%$	N/A
Voltage Fluctuations & Flicker	Voltage	$\pm 5.15\%$	N/A

As U_{lab} in all applicable tests listed above are less than U_{cisp} according to CISPR 16-4-2:2011+A1:2014+A2:2018,

- compliance is deemed to occur if no measured disturbance exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance exceeds the disturbance limit.