

TEST REPORT

Application No.: SZCR2410003795AT
Applicant: Annex Products Pty Ltd
Address of Applicant: Level 3 Suite 6A, 299 Toorak Road, South Yarra, VIC, 3141, Australia
Manufacturer: Annex Products Pty Ltd
Address of Manufacturer: Level 3 Suite 6A, 299 Toorak Road, South Yarra, VIC, 3141, Australia
Factory: Shenzhen Huagon Technology Co Ltd
Address of Factory: 401-403, Building B, Weihuada Industrial Park, No. 5, Lirong Road, Xinshi community, Dalang street, Longhua District, Shenzhen

Equipment Under Test (EUT):

EUT Name: Waterproof Wireless Charger
Model No.: QL-7115
Trade Mark: QUAD LOCK
FCC ID: 2AOU9-WWCH
Standard(s) : 47 CFR Part 15, Subpart C
Date of Receipt: 2024-10-14
Date of Test: 2024-10-15 to 2024-10-28
Date of Issue: 2024-10-31

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.



Keny Xu
EMC Laboratory Manager





SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/1

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Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2024-10-31		Original

Authorized for issue by:				
		Gebin Sun		
		Gebin Sun/Project Engineer		
		Eric Fu		
		Eric Fu/Reviewer		



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2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C	N/A	47 CFR Part 15, Subpart C 15.203	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
20dB Bandwidth	47 CFR Part 15, Subpart C	ANSI C63.10 (2013) Section 6.9.2	47 CFR Part 15, Subpart C 15.215	Pass
Restricted Bands		ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205	Pass
Radiated Emissions (9kHz-30MHz)		ANSI C63.10 (2013) Section 6.4	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Emissions (30MHz-1GHz)		ANSI C63.10 (2013) Section 6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass



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9 EUT Constructional Details (EUT Photos)38



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4 General Information

4.1 Details of E.U.T.

Power supply:	Input:DC12-15V 2A(MAX) QC3.0+PD3.0: 5V 2A/9V 2A/12V 2A Output:5W/7.5W/10W/15W
Cable(s):	PD cable: 105cm unshielded QC cable: 105cm unshielded 1A cable: 105cm unshielded 2A cable: 105cm unshielded
Operation frequency:	112.2kHz to 150.8kHz
Modulation type:	Load modulation
Antenna type:	Loop Antenna

Remark:The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
E-loading	YZB	A2244	Client supply
DC power supply	ZHAOXIN	PS-3005D	REF. No.SEA27B01

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
20dB Bandwidth	$\pm 0.3\%$
Restricted Bands	$\pm 0.3\%$
Radiated Emissions (9kHz-30MHz)	$\pm 3.6\text{dB}$
Radiated Emissions (30MHz-1GHz)	$\pm 6.0\text{dB}$ for 3m; $\pm 5.0\text{dB}$ for 10m

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{\text{CISPR/ETSI}}$ (CISPR/ETSI Uncertainty), so the test results
 – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
 – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.

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4.4 Test Location

All tests were performed at:

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Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• VCCI (Member No. 1937)

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• FCC –Designation Number: CN1336

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• Innovation, Science and Economic Development Canada

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

20dB Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Zhao Xin	PS-305D	SEM011-13	2024-08-14	2025-08-13
Spectrum Analyzer	Rohde & Schwarz	FSP30	SEM004-06	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-27	2025-03-26

Restricted Bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
DC Power Supply	Zhao Xin	PS-305D	SEM011-13	2024-08-14	2025-08-13
Spectrum Analyzer	Rohde & Schwarz	FSP30	SEM004-06	2024-09-14	2025-09-13
Measurement Software	TST PASS	TST PASS V2.0	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM031-01	2024-07-06	2025-07-05
Attenuator	Huber+Suhner	6620_SMA-50-1	SEM021-09	2024-03-27	2025-03-26

Radiated Emissions (9kHz-30MHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2024-03-26	2025-03-25
MXE EMI receiver	KEYSIGHT	N9038A	SEM004-16	2024-08-14	2025-08-13
Trilog-Broadband Antenna	Schwarzbeck	VULB9168	SEM003-18	2023-09-23	2025-09-22
Pre-amplifier	Sonoma Instrument Co	310N	SEM005-04	2024-03-27	2025-03-26
Loop Antenna	ETS-Lindgren	6502	SEM003-08	2023-11-20	2025-11-19
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM029-01	2024-07-06	2025-07-05



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Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2024-08-14	2025-08-13
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2024-03-14	2025-03-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2024-07-06	2025-07-05

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	deli	8838	SEM002-32	2024-07-24	2025-07-23
Humidity/ Temperature Indicator	deli	8838	SEM002-33	2024-07-24	2025-07-23
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2024-03-18	2025-03-17



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

The antenna is integrated on the main PCB and no consideration of replacement.

Antenna location: Refer to internal photo.



7 Radio Spectrum Matter Test Results

7.1 20dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.215

Test Method: ANSI C63.10 (2013) Section 6.9.2

Limit:

For report reference only

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C

Humidity: 44.5 % RH

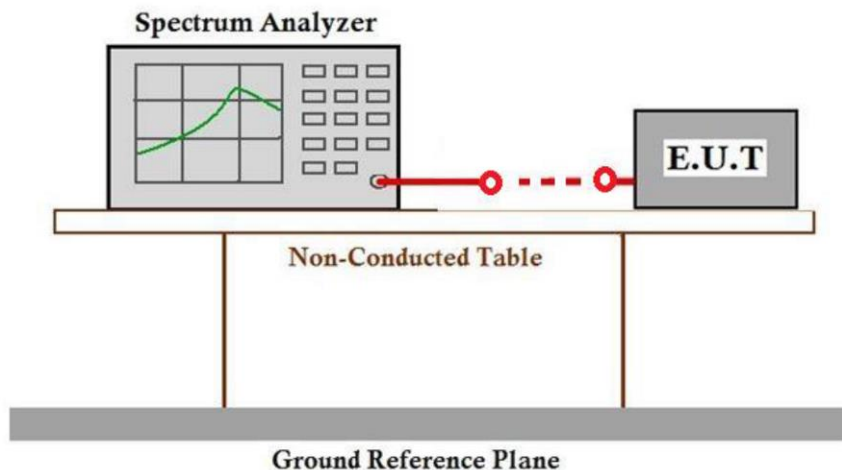
Atmospheric Pressure: 1020 mbar

7.1.2 Test Mode Description

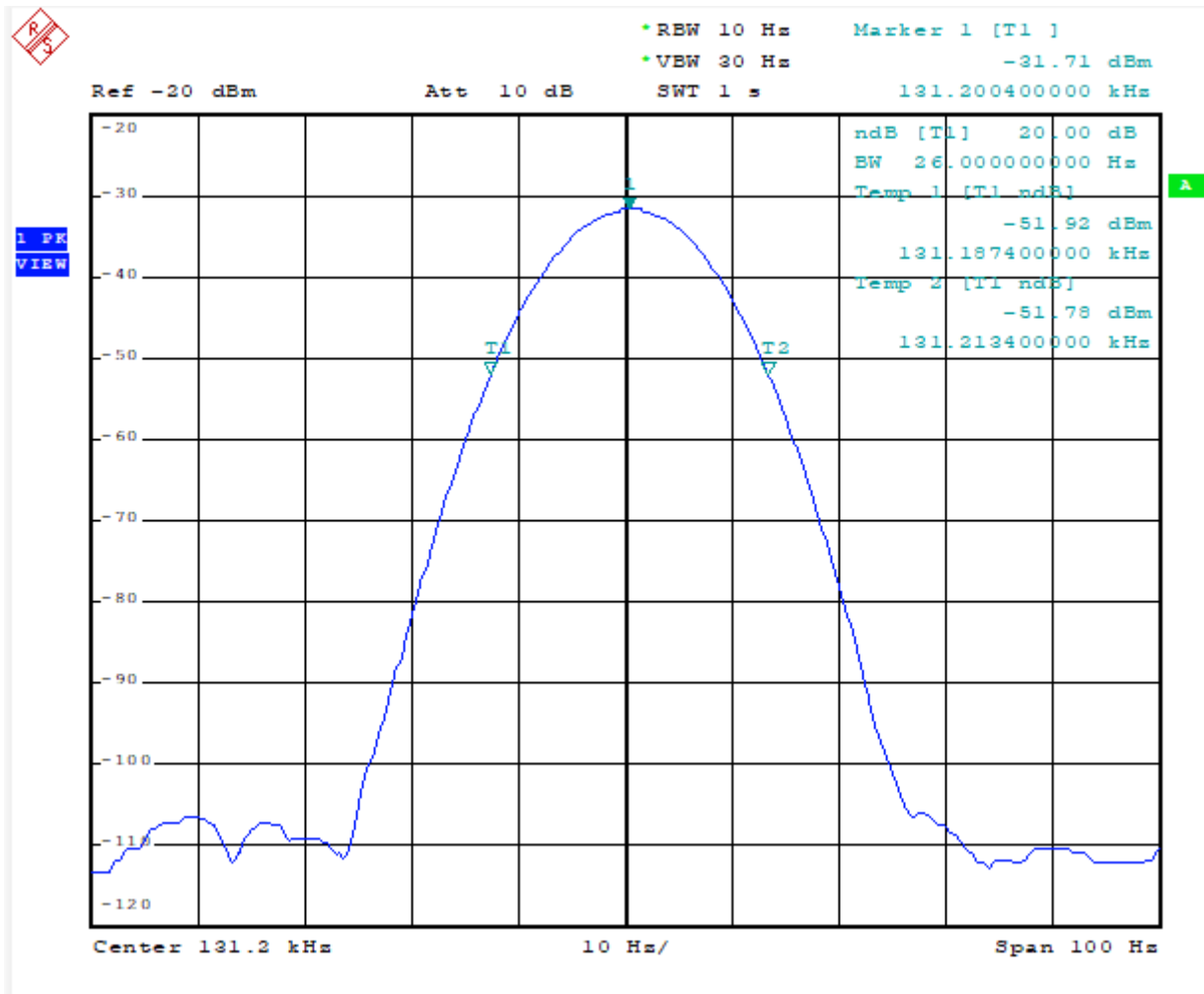
Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charging mode_Keep the EUT charging (QC 5W)
Pre-scan	01	Charging mode_Keep the EUT charging (QC 7.5W)
Pre-scan	02	Charging mode_Keep the EUT charging (QC 10W)
Final test	03	Charging mode_Keep the EUT charging (QC 15W)
Pre-scan	04	Charging mode_Keep the EUT charging (PD 5W)
Pre-scan	05	Charging mode_Keep the EUT charging (PD 7.5W)
Pre-scan	06	Charging mode_Keep the EUT charging (PD 10W)
Pre-scan	07	Charging mode_Keep the EUT charging (PD 15W)
Pre-scan	08	Charging mode_Keep the EUT charging (2A 5W)
Pre-scan	09	Charging mode_Keep the EUT charging (2A 7.5W)
Pre-scan	10	Charging mode_Keep the EUT charging (2A 10W)
Pre-scan	11	Charging mode_Keep the EUT charging (2A 15W)
Pre-scan	12	Charging mode_Keep the EUT charging (1A 5W)
Pre-scan	13	Charging mode_Keep the EUT charging (1A 7.5W)



7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data



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7.2 Restricted Bands

Test Requirement 47 CFR Part 15, Subpart C 15.205

Test Method: ANSI C63.10 (2013) Section 6.10.5

Limit:

The fundamental wave could not fall in the restricted band 90KHz-110KHz

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 24.0 °C Humidity: 44.5 % RH Atmospheric Pressure: 1020 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charging mode_Keep the EUT charging (QC 5W)
Pre-scan	01	Charging mode_Keep the EUT charging (QC 7.5W)
Pre-scan	02	Charging mode_Keep the EUT charging (QC 10W)
Final test	03	Charging mode_Keep the EUT charging (QC 15W)
Pre-scan	04	Charging mode_Keep the EUT charging (PD 5W)
Pre-scan	05	Charging mode_Keep the EUT charging (PD 7.5W)
Pre-scan	06	Charging mode_Keep the EUT charging (PD 10W)
Pre-scan	07	Charging mode_Keep the EUT charging (PD 15W)
Pre-scan	08	Charging mode_Keep the EUT charging (2A 5W)
Pre-scan	09	Charging mode_Keep the EUT charging (2A 7.5W)
Pre-scan	10	Charging mode_Keep the EUT charging (2A 10W)
Pre-scan	11	Charging mode_Keep the EUT charging (2A 15W)
Pre-scan	12	Charging mode_Keep the EUT charging (1A 5W)
Pre-scan	13	Charging mode_Keep the EUT charging (1A 7.5W)



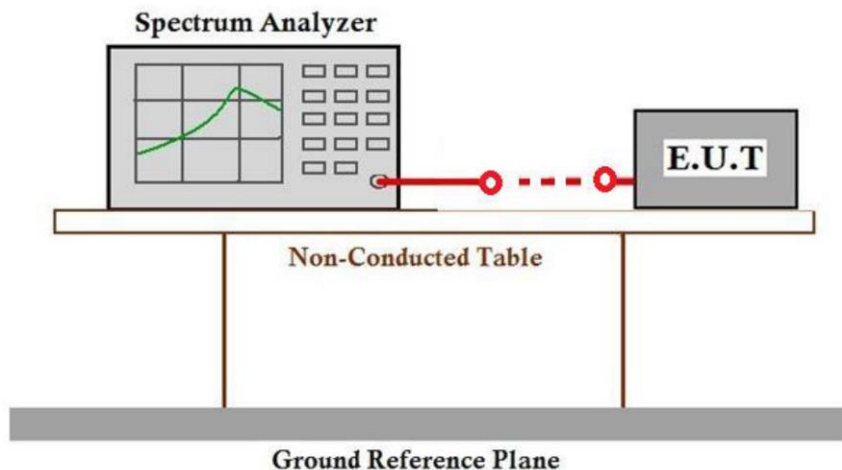
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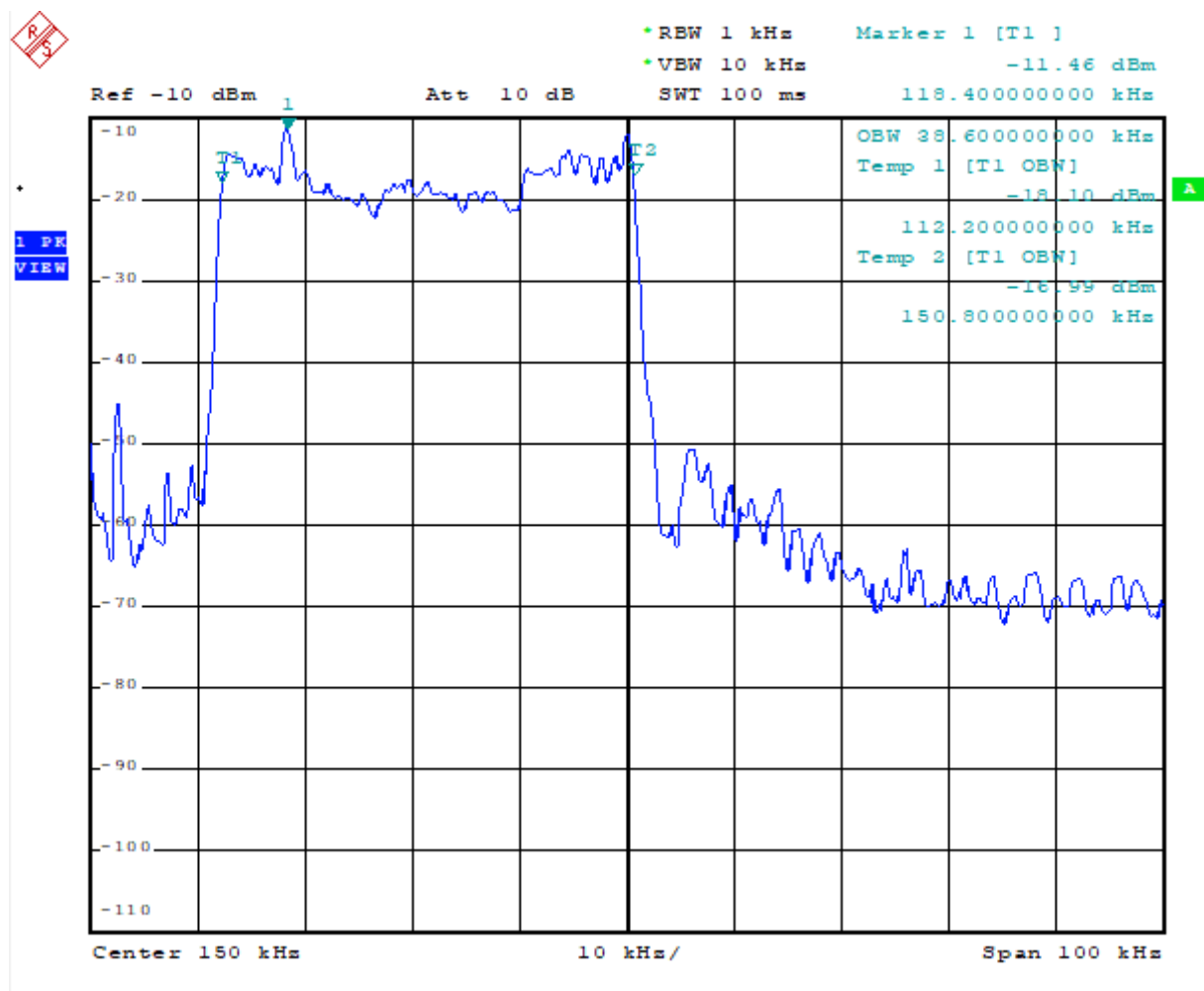
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7.2.3 Test Setup Diagram



7.2.4 Measurement Procedure and Data



7.3 Radiated Emissions (9kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.		

If field strength is measured at only a single point, then that point shall be at the radial from the EUT that produces the maximum emission at the frequency being measured, as described in 5.4. If that point is closer to the EUT than $\lambda/2\pi$ and the limit distance is greater than $\lambda/2\pi$, the measurement shall be extrapolated to the limit distance by conservatively presuming that the field strength decreases at a 40 dB/decade of distance rate to the $\lambda/2\pi$ distance, and at a 20 dB/decade of distance rate beyond $\lambda/2\pi$. This shall be accomplished using Equation (2):

$$FS_{(10m)} = FS_{(30/300m)} + 40\log\{d_{(near\ field)}/d_{(10m)}\} + 20\log\{d_{(30/300m)}/d_{(near\ field)}\} \quad (2)$$

If the single point measured is at a distance greater than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using Equation (3):

$$FS_{(10m)} = FS_{(30/300m)} + 20\log\{d_{(30/300m)}/d_{(10m)}\} \quad (3)$$

If both the single point and the limit distance are equal to or closer to the EUT than $\lambda/2\pi$, then extrapolation to the limit distance shall be calculated using Equation (4):

$$FS_{(10m)} = FS_{(30/300m)} + 40\log\{d_{(30/300m)}/d_{(10m)}\} \quad (4)$$

Remark:

$$d_{near\ field} = 47.77 / f_{MHz}$$

where f_{MHz} is the frequency of the emission being measured in MHz.



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7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 23.6 °C

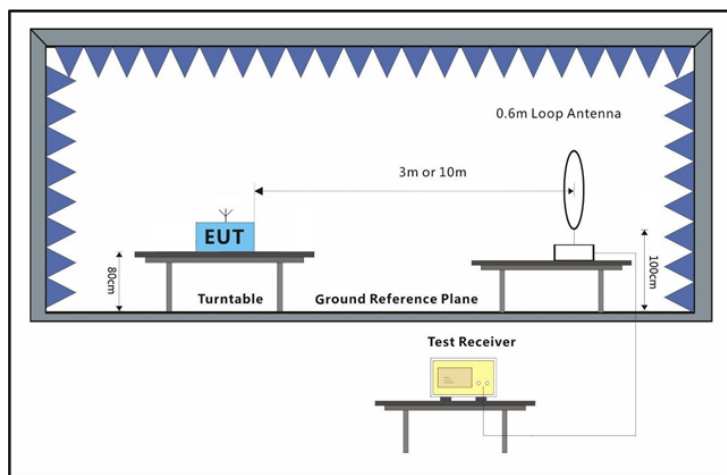
Humidity: 50.9 % RH

Atmospheric Pressure: 1020 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charging mode_Keep the EUT charging (QC 5W)
Pre-scan	01	Charging mode_Keep the EUT charging (QC 7.5W)
Pre-scan	02	Charging mode_Keep the EUT charging (QC 10W)
Final test	03	Charging mode_Keep the EUT charging (QC 15W)
Pre-scan	04	Charging mode_Keep the EUT charging (PD 5W)
Pre-scan	05	Charging mode_Keep the EUT charging (PD 7.5W)
Pre-scan	06	Charging mode_Keep the EUT charging (PD 10W)
Final test	07	Charging mode_Keep the EUT charging (PD 15W)
Pre-scan	08	Charging mode_Keep the EUT charging (2A 5W)
Pre-scan	09	Charging mode_Keep the EUT charging (2A 7.5W)
Pre-scan	10	Charging mode_Keep the EUT charging (2A 10W)
Final test	11	Charging mode_Keep the EUT charging (2A 15W)
Pre-scan	12	Charging mode_Keep the EUT charging (1A 5W)
Final test	13	Charging mode_Keep the EUT charging (1A 7.5W)

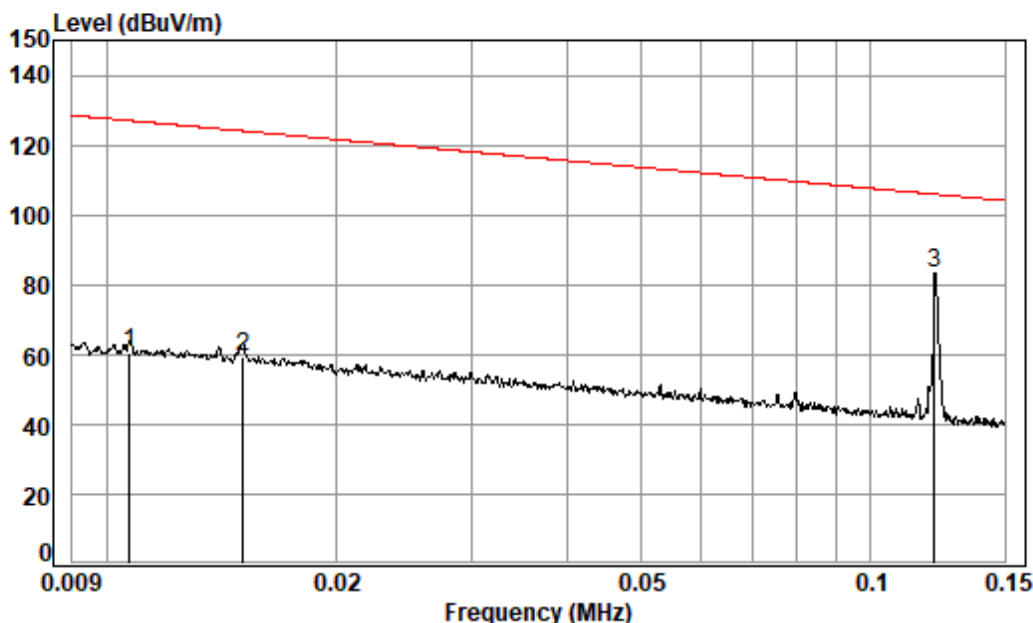
7.3.3 Test Setup Diagram



7.3.4 Measurement Procedure and Data

- a. All radiated emission measurements in terms of magnetic field strength shall be performed with a shielded loop antenna.
- b. For all radiated emission measurements in terms of magnetic field strength, the loop antenna were placed such that:
 - i. its centre shall be at 1.3 m height above the ground plane;
 - ii. the projection of its centre onto the ground plane shall be at the specified measurement distance from the projection on the ground plane of the closest point on the boundary of the equipment under test (EUT); and
 - iii. measurements shall be performed with the loop antenna placed vertically, in turn, in two polarizations (the measurement axis specified below is the line segment connecting the projections on the ground plane of the centre of the loop antenna and the centre of the EUT arrangement):
 - coaxial (loop plane perpendicular to the ground plane and to the measurement axis); and
 - coplanar (loop plane perpendicular to the ground plane and coplanar with the measurement axis).





Condition: 3m

Job No. : 03795AT

Test Mode: 03

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.011	73.79	17.96	0.34	31.49	60.60	126.99	-66.39	Average
2	0.015	74.95	15.94	0.34	31.85	59.38	124.03	-64.65	Average
3 pp	0.121	105.16	10.45	0.32	32.50	83.43	105.93	-22.50	Average

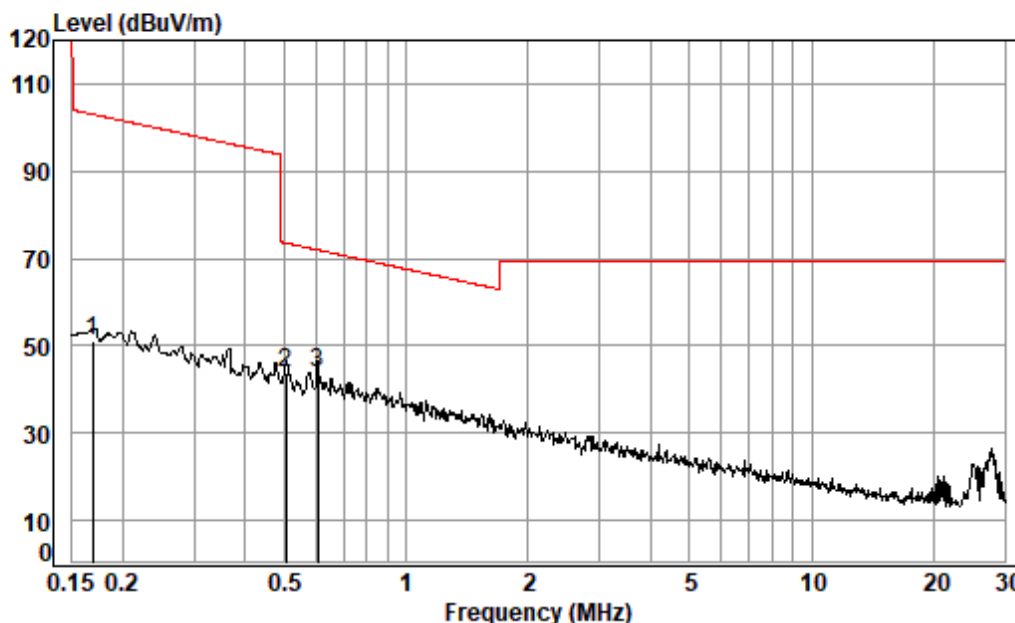


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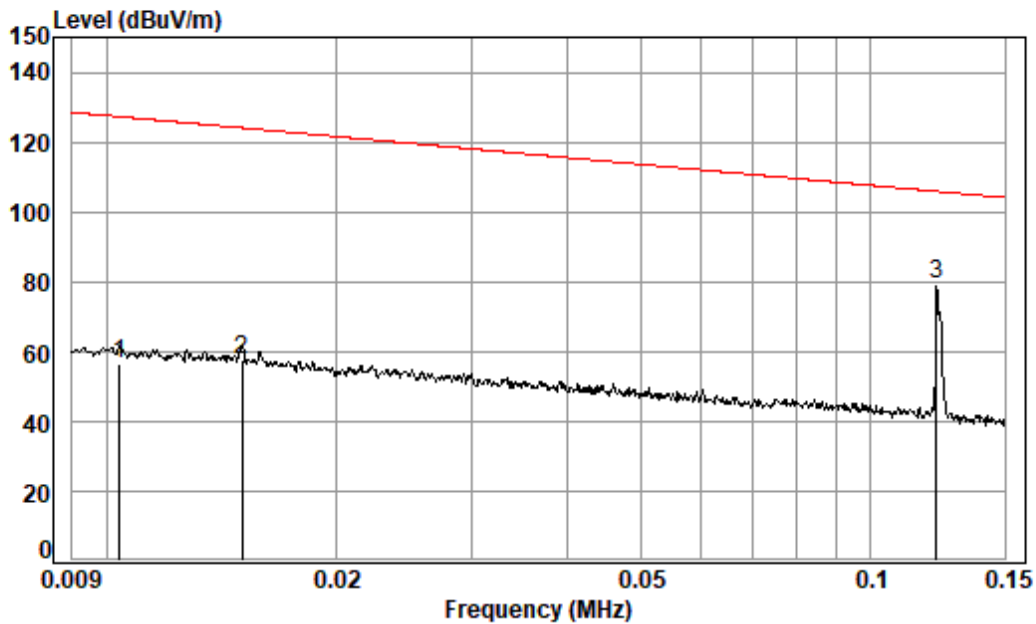
Condition: 3m

Job No. : 03795AT

Test Mode: 03

		Read	Ant	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	av	0.169	73.01	10.41	0.33	32.50	51.25	103.06	-51.81 Average
2		0.505	65.76	10.32	0.38	32.50	43.96	73.54	-29.58 QP
3	pp	0.604	65.76	10.30	0.39	32.50	43.95	71.97	-28.02 QP





Condition: 3m

Job No. : 03795AT

Test Mode: 07

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.010	69.26	18.11	0.34	31.45	56.26	127.25	-70.99	Average
2	0.015	73.18	15.96	0.34	31.85	57.63	124.05	-66.42	Average
3 pp	0.122	101.03	10.45	0.32	32.50	79.30	105.86	-26.56	Average

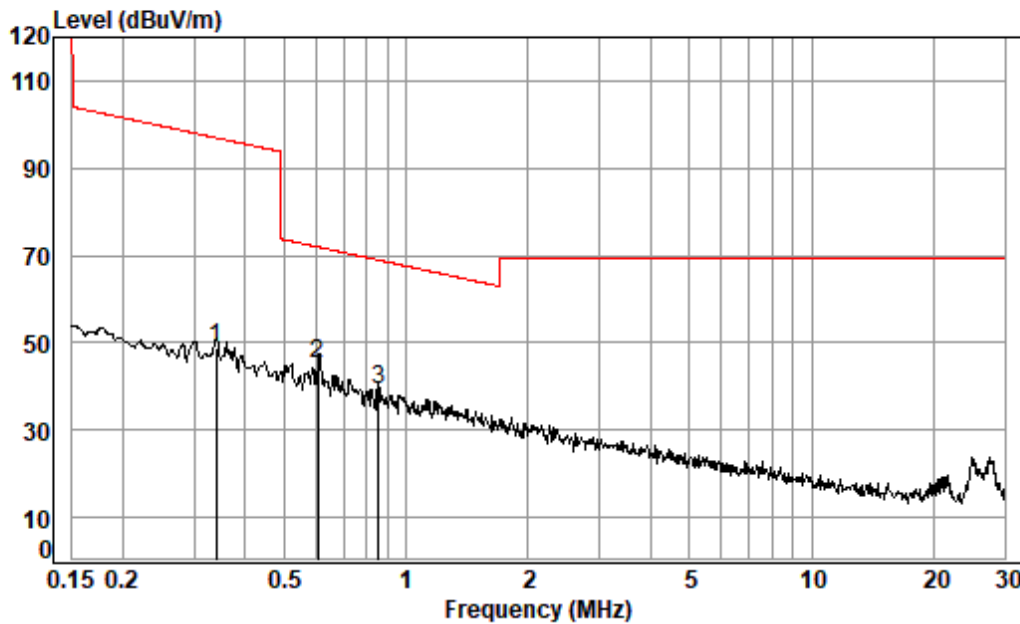


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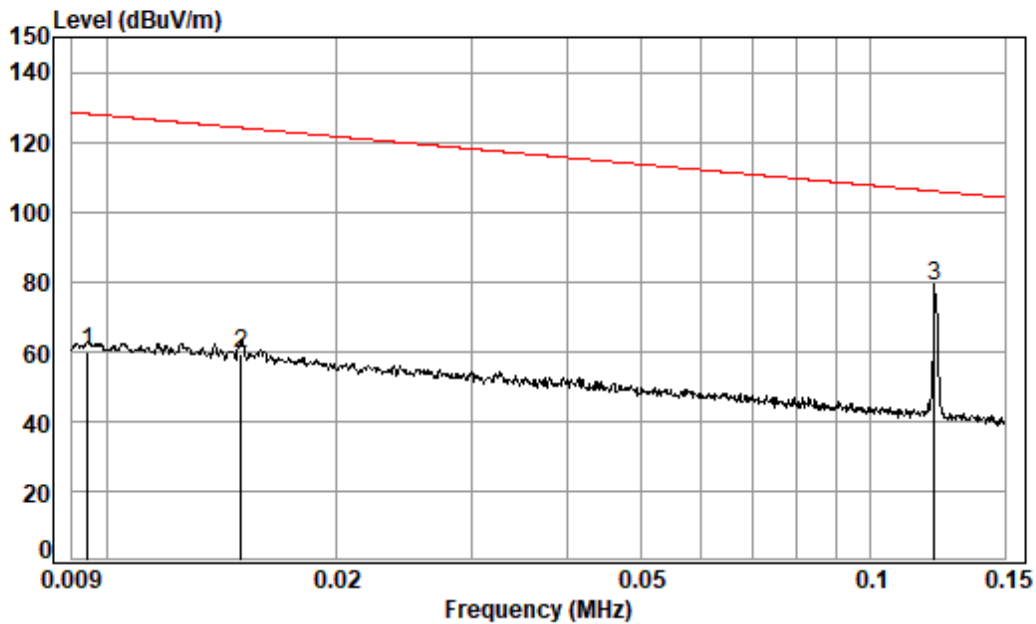
Condition: 3m

Job No. : 03795AT

Test Mode: 07

		Read	Ant	Cable	Preamp	Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	av	0.341	70.66	10.33	0.35	32.50	48.84	96.95 -48.11 Average
2	pp	0.608	67.13	10.30	0.39	32.50	45.32	71.92 -26.60 QP
3		0.857	60.80	10.30	0.43	32.50	39.03	68.91 -29.88 QP





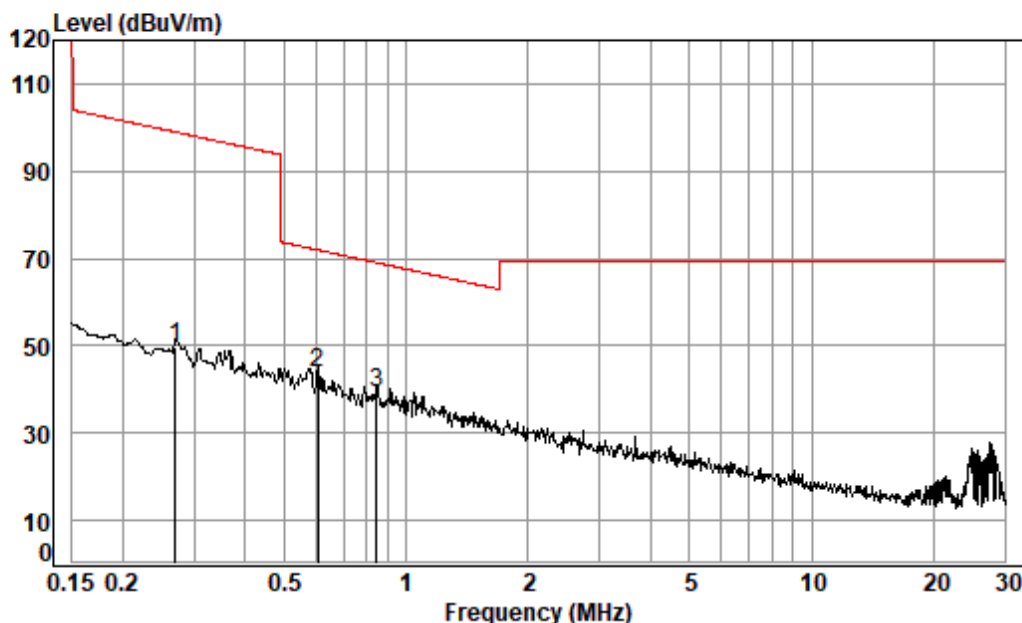
Condition: 3m

Job No. : 03795AT

Test Mode: 11

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.009	72.01	18.68	0.34	31.35	59.68	128.08	-68.40	Average
2	0.015	74.92	15.98	0.34	31.85	59.39	124.08	-64.69	Average
3 pp	0.121	100.70	10.45	0.32	32.50	78.97	105.93	-26.96	Average





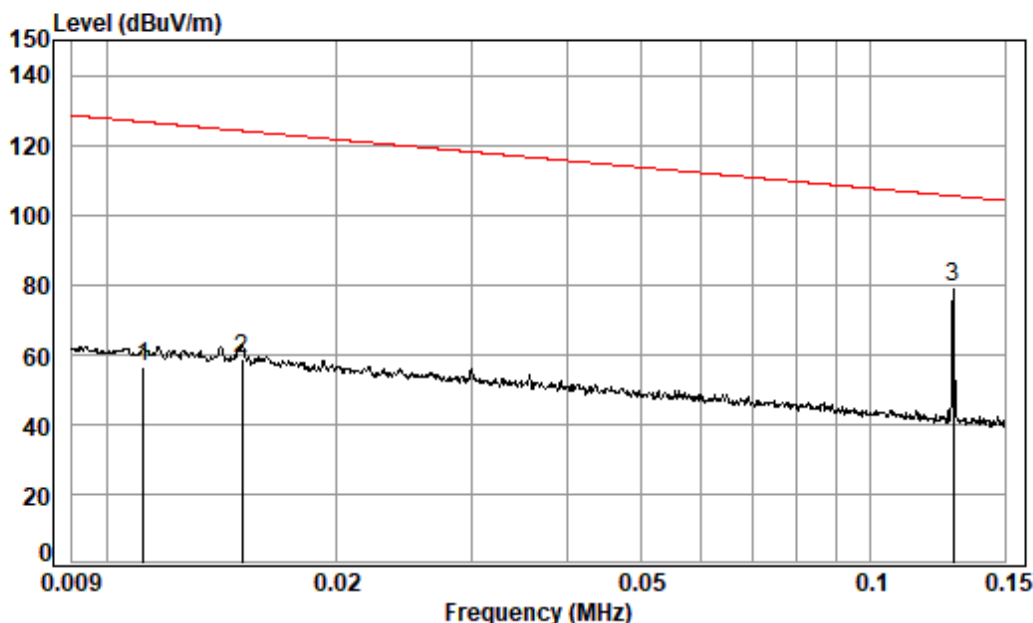
Condition: 3m

Job No. : 03795AT

Test Mode: 11

		Read	Ant	Cable	Preamp	Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	av	0.270	71.51	10.35	0.34	32.50	49.70	98.97 -49.27 Average
2	pp	0.604	65.62	10.30	0.39	32.50	43.81	71.97 -28.16 QP
3		0.848	61.18	10.29	0.43	32.50	39.40	69.00 -29.60 QP





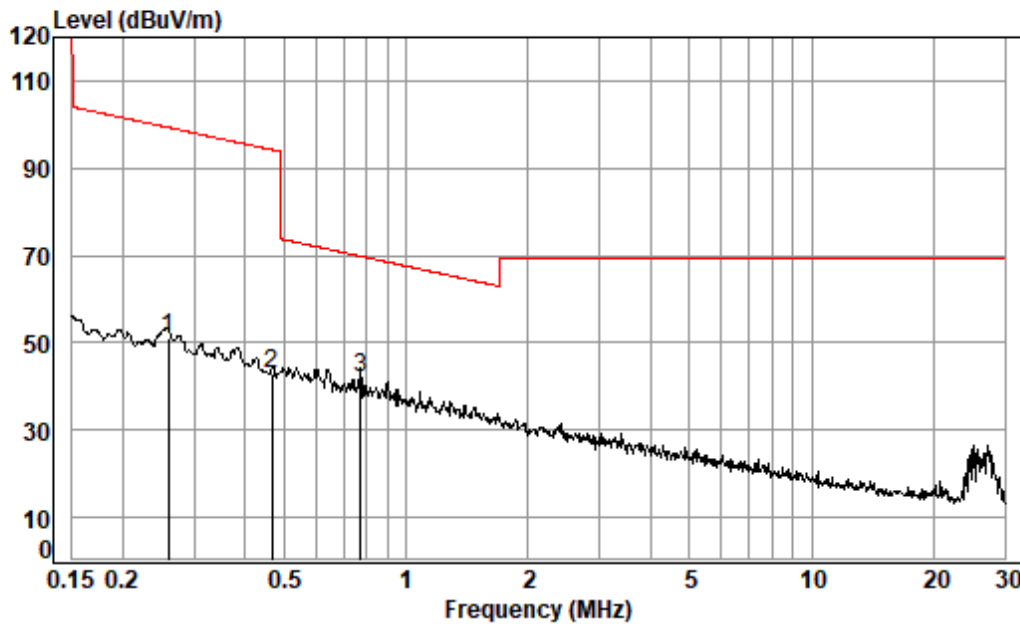
Condition: 3m

Job No. : 03795AT

Test Mode: 13

	Freq	Read Level	Ant Factor	Cable Loss	Preamp Factor	Level	Limit	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	0.011	70.11	17.74	0.34	31.53	56.66	126.62	-69.96	Average
2	0.015	74.54	15.96	0.34	31.85	58.99	124.05	-65.06	Average
3 pp	0.128	100.83	10.44	0.32	32.50	79.09	105.42	-26.33	Average





Condition: 3m

Job No. : 03795AT

Test Mode: 13

		Read	Ant	Cable	Preamp	Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB
1	av	0.259	73.09	10.36	0.34	32.50	51.29	99.34 -48.05 Average
2		0.466	64.68	10.32	0.37	32.50	42.87	94.23 -51.36 QP
3	pp	0.771	63.85	10.29	0.42	32.50	42.06	69.84 -27.78 QP



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7.4 Radiated Emissions (30MHz-1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.5

Measurement Distance: 3m

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector.		

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.5 °C

Humidity: 47.5 % RH

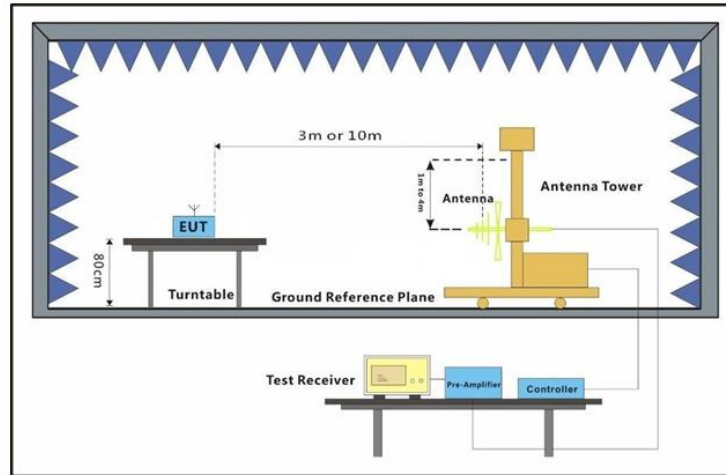
Atmospheric Pressure: 1020 mbar

7.4.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Pre-scan	00	Charging mode_Keep the EUT charging (QC 5W)
Pre-scan	01	Charging mode_Keep the EUT charging (QC 7.5W)
Pre-scan	02	Charging mode_Keep the EUT charging (QC 10W)
Final test	03	Charging mode_Keep the EUT charging (QC 15W)
Pre-scan	04	Charging mode_Keep the EUT charging (PD 5W)
Pre-scan	05	Charging mode_Keep the EUT charging (PD 7.5W)
Pre-scan	06	Charging mode_Keep the EUT charging (PD 10W)
Final test	07	Charging mode_Keep the EUT charging (PD 15W)
Pre-scan	08	Charging mode_Keep the EUT charging (2A 5W)
Pre-scan	09	Charging mode_Keep the EUT charging (2A 7.5W)
Pre-scan	10	Charging mode_Keep the EUT charging (2A 10W)
Final test	11	Charging mode_Keep the EUT charging (2A 15W)
Pre-scan	12	Charging mode_Keep the EUT charging (1A 5W)
Final test	13	Charging mode_Keep the EUT charging (1A 7.5W)



7.4.3 Test Setup Diagram



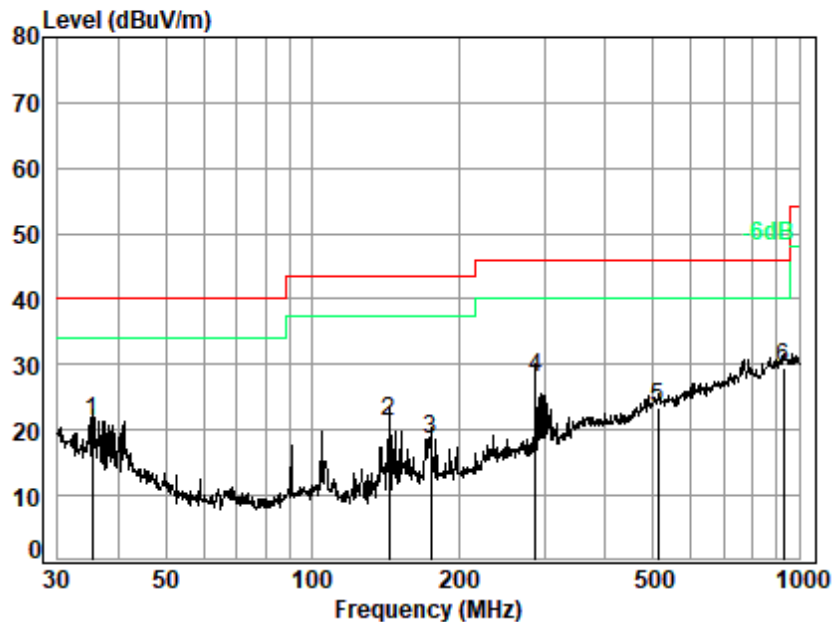
7.4.4 Measurement Procedure and Data

- The EUT was placed on the top of a rotating table 0.8 meters above the ground for below 1GHz at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- Test the EUT in the lowest channel, the middle channel, the Highest channel
- The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, And found the X axis positioning which it is worse case.
- Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



Test Mode: 03; Polarity: Horizontal



Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03795AT
Test Mode: 03

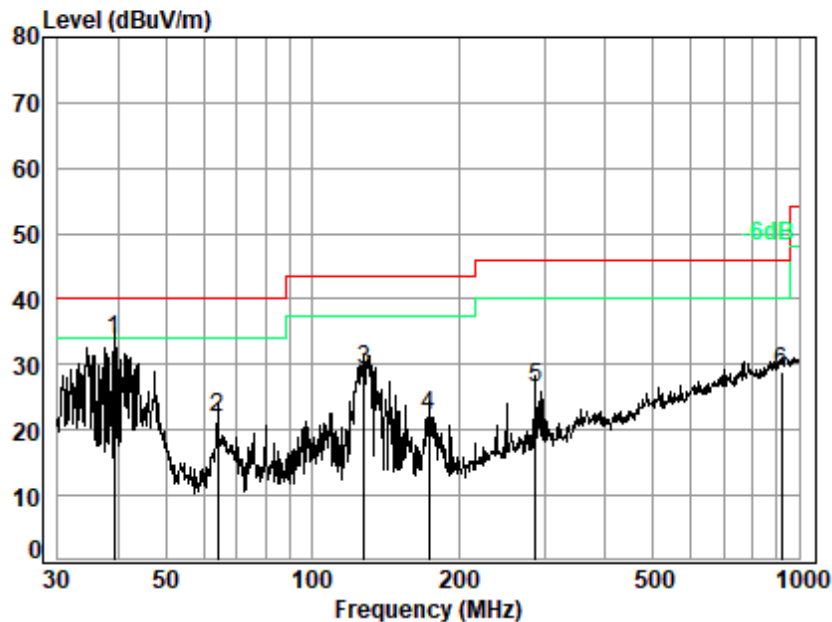
	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	35.375	18.66	0.73	27.78	29.61	21.22	40.00	-18.78 QP
2	143.830	12.25	1.50	27.41	34.94	21.28	43.50	-22.22 QP
3	175.037	13.78	1.66	27.27	30.29	18.46	43.50	-25.04 QP
4	287.990	16.98	2.16	26.80	35.64	27.98	46.00	-18.02 QP
5	513.633	23.26	2.97	27.62	24.81	23.42	46.00	-22.58 QP
6 q	929.008	28.16	4.20	26.56	23.75	29.55	46.00	-16.45 QP



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Test Mode: 03; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 03795AT
Test Mode: 03

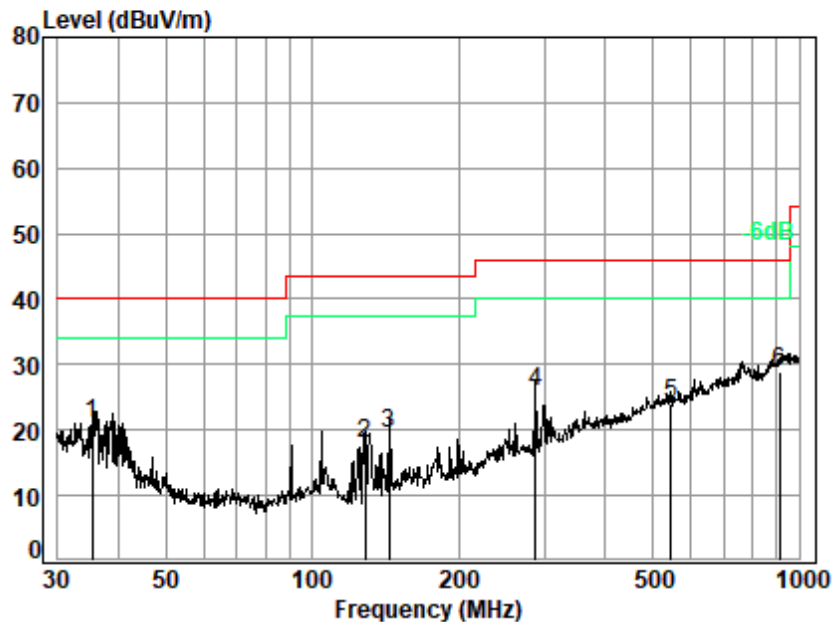
		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q	39.162	16.77	0.77	27.77	43.92	33.69	40.00	-6.31 QP
2		63.983	11.11	0.98	27.69	37.49	21.89	40.00	-18.11 QP
3		127.665	10.98	1.41	27.47	44.38	29.30	43.50	-14.20 QP
4		173.814	13.69	1.65	27.28	34.13	22.19	43.50	-21.31 QP
5		287.990	16.98	2.16	26.80	34.04	26.38	46.00	-19.62 QP
6		919.287	28.17	4.17	26.63	23.27	28.98	46.00	-17.02 QP



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Test Mode: 07; Polarity: Horizontal

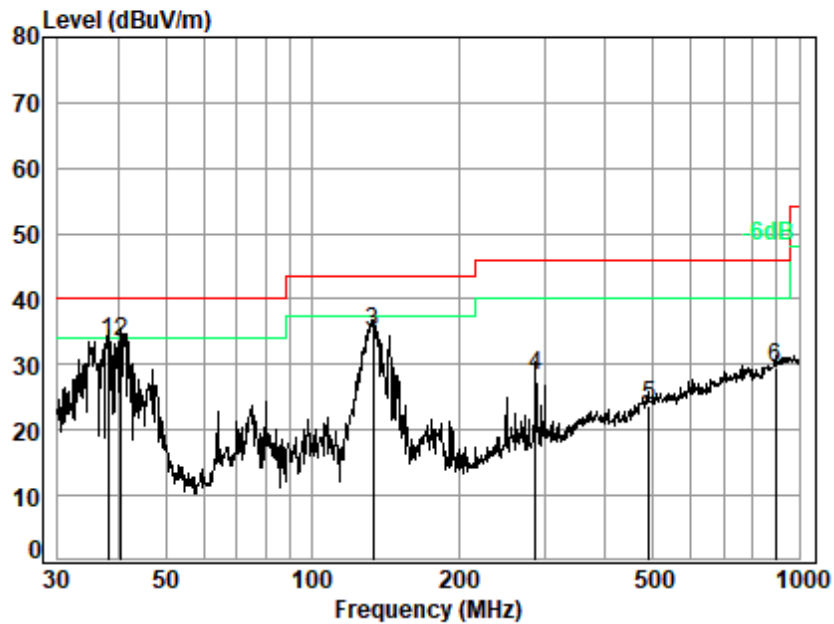


Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03795AT
Test Mode: 07

	Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	35.375	18.66	0.73	27.78	29.32	20.93	40.00	-19.07 QP
2	128.563	10.99	1.42	27.47	32.97	17.91	43.50	-25.59 QP
3	143.830	12.25	1.50	27.41	33.15	19.49	43.50	-24.01 QP
4	287.990	16.98	2.16	26.80	33.37	25.71	46.00	-20.29 QP
5	545.183	23.81	3.07	27.75	24.75	23.88	46.00	-22.12 QP
6 q	909.667	27.97	4.15	26.70	23.62	29.04	46.00	-16.96 QP



Test Mode: 07; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 03795AT
Test Mode: 07

	Ant Freq	Cable Factor	Preamp Loss	Read Factor	Level	Limit	Over	
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB
1	38.078	17.25	0.76	27.77	43.14	33.38	40.00	-6.62 QP
2 q	40.417	16.20	0.78	27.76	44.25	33.47	40.00	-6.53 QP
3	133.151	11.21	1.44	27.45	49.75	34.95	43.50	-8.55 QP
4	287.990	16.98	2.16	26.80	36.07	28.41	46.00	-17.59 QP
5	490.745	22.84	2.89	27.53	25.54	23.74	46.00	-22.26 QP
6	893.857	28.02	4.10	26.81	24.13	29.44	46.00	-16.56 QP



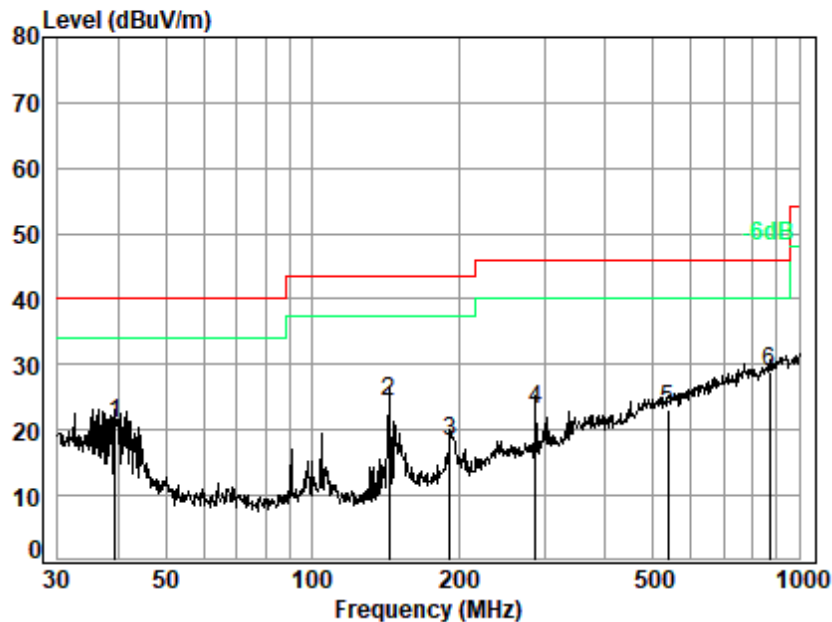
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Test Mode: 11; Polarity: Horizontal

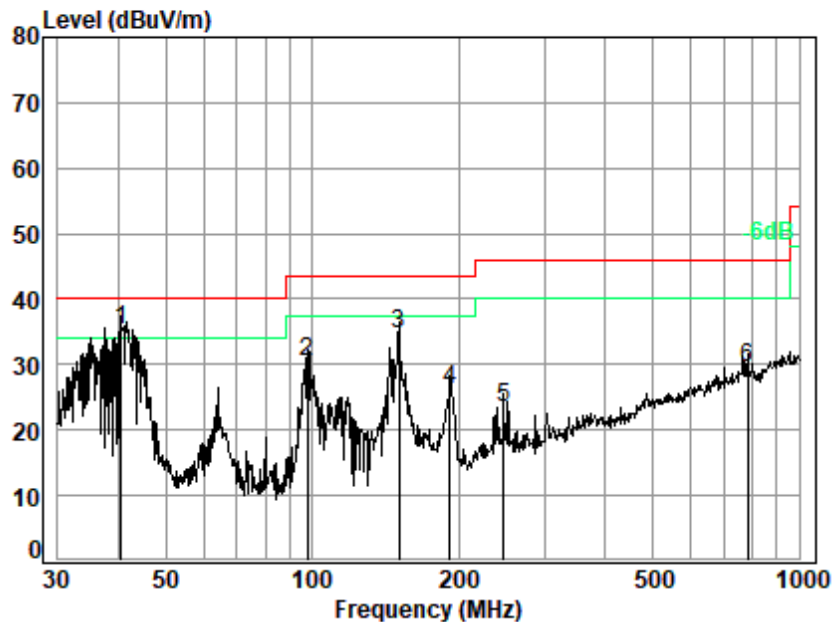


Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03795AT
Test Mode: 11

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	39.299	16.71	0.77	27.77	31.36	21.07	40.00	-18.93 QP
2	143.830	12.25	1.50	27.41	38.02	24.36	43.50	-19.14 QP
3	191.745	14.26	1.73	27.20	29.33	18.12	43.50	-25.38 QP
4	287.990	16.98	2.16	26.80	30.80	23.14	46.00	-22.86 QP
5	537.589	23.53	3.05	27.72	24.31	23.17	46.00	-22.83 QP
6 q	869.130	27.65	4.04	26.99	24.08	28.78	46.00	-17.22 QP



Test Mode: 11; Polarity: Vertical

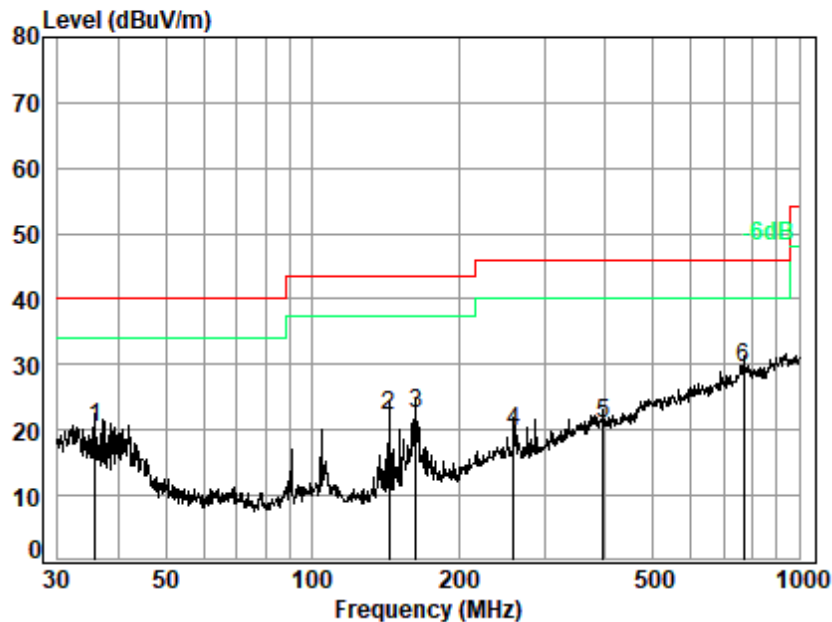


Site : chamber
Condition: 3m VERTICAL
Job No. : 03795AT
Test Mode: 11

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q	40.417	16.20	0.78	27.76	46.13	35.35	40.00	-4.65 QP
2		97.798	12.20	1.21	27.60	44.48	30.29	43.50	-13.21 QP
3		150.538	13.10	1.54	27.38	47.29	34.55	43.50	-8.95 QP
4		191.745	14.26	1.73	27.20	37.48	26.27	43.50	-17.23 QP
5		246.815	17.15	1.99	26.97	31.23	23.40	46.00	-22.60 QP
6		785.093	27.13	3.81	27.52	26.10	29.52	46.00	-16.48 QP



Test Mode: 13; Polarity: Horizontal

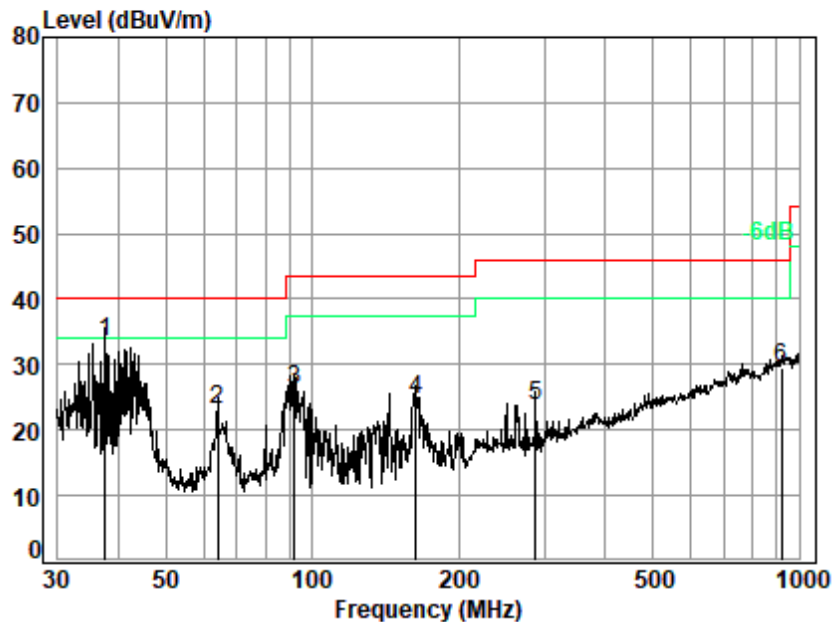


Site : chamber
Condition: 3m HORIZONTAL
Job No. : 03795AT
Test Mode: 13

	Ant	Cable	Preamp	Read		Limit	Over	
Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	35.875	18.38	0.74	27.78	29.17	20.51	40.00	-19.49 QP
2	143.830	12.25	1.50	27.41	35.85	22.19	43.50	-21.31 QP
3	163.182	13.33	1.60	27.32	34.93	22.54	43.50	-20.96 QP
4	259.234	17.23	2.04	26.92	27.49	19.84	46.00	-26.16 QP
5	396.242	20.68	2.57	27.14	24.86	20.97	46.00	-25.03 QP
6 q	768.748	26.68	3.76	27.56	26.52	29.40	46.00	-16.60 QP



Test Mode: 13; Polarity: Vertical



Site : chamber
Condition: 3m VERTICAL
Job No. : 03795AT
Test Mode: 13

		Ant	Cable	Preamp	Read		Limit	Over	
	Freq	Factor	Loss	Factor	Level	Level	Line	Limit	Remark
	MHz	dB/m	dB	dB	dBuV	dBuV/m	dBuV/m	dB	
1	q	37.548	17.50	0.76	27.77	43.02	33.51	40.00	-6.49 QP
2		63.983	11.11	0.98	27.69	38.61	23.01	40.00	-16.99 QP
3		91.816	11.89	1.17	27.61	40.79	26.24	43.50	-17.26 QP
4		163.182	13.33	1.60	27.32	37.10	24.71	43.50	-18.79 QP
5		287.990	16.98	2.16	26.80	31.47	23.81	46.00	-22.19 QP
6		919.287	28.17	4.17	26.63	23.72	29.43	46.00	-16.57 QP



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SZCR2410003795AT

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for SZCR2410003795AT

- End of the Report -

