



FCC RF Test Report

APPLICANT : Motorola Mobility LLC
EQUIPMENT : Qi2 wireless charger
BRAND NAME : Motorola
MODEL NAME : XT2639-1
FCC ID : IHDT6AC8
STANDARD : FCC Part 15 Subpart C §15.209
CLASSIFICATION : (DCD) Part 15 Low Power Transmitter Below 1705 kHz
TEST DATE(S) : Jul. 16, 2026 ~ Aug. 26, 2026

We, Sporton International Inc. (Kunshan), would like to declare that the tested sample has been evaluated in accordance with the test procedures and has been in compliance with the applicable technical standards.

The test results in this report apply exclusively to the tested model / sample. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.

Jason Jia

Approved by: Jason Jia



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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History of this test report

Report No.	Version	Description	Issued Date
FR662204	01	Initial issue of report	Aug. 10, 2026
FR662204	02	Added test data for Private Protocol 30W. This report is an updated version, replacing the report issued on Aug. 10, 2026.	Sep. 01, 2026

Summary of Test Result

Report Clause	Ref Std. Clause	Test Items	Result (PASS/FAIL)	Remark
3.1	2.1049	20dB Bandwidth	Reporting Only	-
3.1	2.1049	99% Occupied Bandwidth	Reporting Only	-
3.2	15.209	Radiated Emission	Pass	Under limit 4.51 dB at 77.53 MHz
3.3	15.207	AC Conducted Emission	Pass	Under limit 4.04 dB at 1.077 MHz
3.4	15.203	Antenna Requirements	Pass	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/manufacture who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account.
2. The measurement uncertainty please refer to each test result in the section "Measurement Uncertainty"

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.



1 General Description

1.1 Applicant

Motorola Mobility LLC

222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.2 Manufacturer

Motorola Mobility LLC

222 W,Merchandise Mart Plaza, Chicago IL 60654 USA

1.3 Product Feature of Equipment Under Test

Product Feature	
Equipment	Qi2 wireless charger
Brand Name	Motorola
Model Name	XT2639-1
FCC ID	IHDT6AC8
SN Code	Conducted: HZS0008M 5W (128kHz) HZS000B5 15W (360kHz) HZS000CH 25W (360kHz) HZS000AW 25W (112kHz~148kHz) HZS00196 30W (112kHz~148kHz) Conduction: HZS000HW 5W (128kHz) HZS000HD 15W (360kHz) HZS000HJ 25W (360kHz) HZS000HT 25W (112kHz~148kHz) HADB110430 30W (112kHz~148kHz) Radiation: HZS000HW 5W (128kHz) HZS000HD 15W (360kHz) HZS000HJ 25W (360kHz) HZS000HT 25W (112kHz~148kHz) HZS00196 30W (112kHz~148kHz)
WPT Frequency Range	Wireless power 15W/25W: 360kHz Wireless power 5W: 128kHz Wireless power 25W/30W:112kHz~148kHz
WPT Type of Modulation	ASK
WPT Antenna Type	Coil Antenna
EUT Stage	Identical Prototype

Remark: The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.

1.4 Modification of EUT

No modifications are made to the EUT during all test items.

1.5 Test Location

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	CO01-KS 03CH02-KS TH01-KS	CN1257	314309

1.6 Test Software

Item	Site	Manufacture	Name	Version
1.	03CH02-KS	AUDIX	E3	6.2009-8-24a1
2.	CO01-KS	AUDIX	E3	6.2009-8-24

1.7 Applied Standards

According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ♦ FCC Part 15 Subpart C §15.209, §15.207
- ♦ FCC KDB 414788 D01 Radiated Test Site v01r01.
- ♦ ANSI C63.10-2020+Cor.1-2023+C63.10a-2024 + Errata to C63.10a-2024

Remark: All test items were verified and recorded according to the standards and without any deviation during the test.

2 Test Configuration of Equipment Under Test

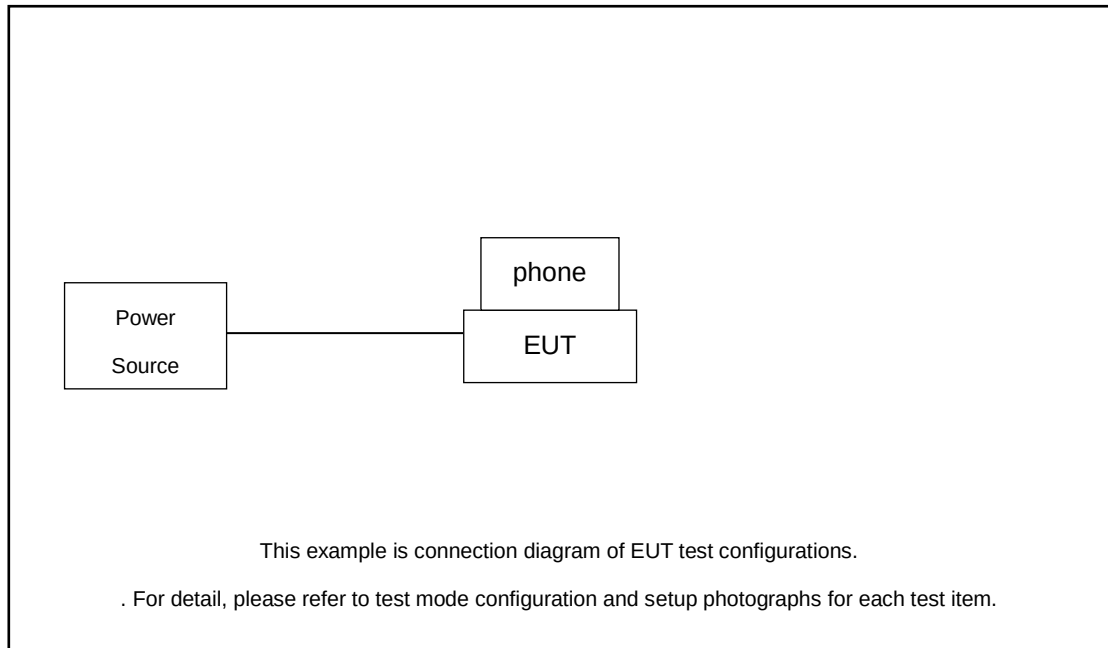
2.1 Test Mode

- a. The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application. Frequency range investigated: conduction emission (150 kHz to 30 MHz), radiation emission (9 kHz to the 1000 MHz).
- b. AC power line Conducted Emission was tested under maximum output power.

Test Items	Function Type
AC Conducted Emission	Mode 1: WPC(BPP 128KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 5W
	Mode 2: WPC(BPP 128KHz)+ Battery Level 50% (40%`60%) + Charging + Charging distance:0 cm for 5W
	Mode 3: WPC(BPP 128KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 5W
	Mode 4: WPC(MPP 360KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 15W
	Mode 5: WPC(MPP 360KHz)+ Battery Level 50% (40%`60%) + Charging + Charging distance:0 cm for 15W
	Mode 6: WPC(MPP 360KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 15W
	Mode 7: WPC(MPP 360KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 25W
	Mode 8: WPC(MPP 360KHz)+ Battery Level 50% (40%`60%) + Charging + Charging distance:0 cm for 25W
	Mode 9: WPC(MPP 360KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 25W
	Mode 10: WPC(112~148KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 25W
	Mode 11: WPC(112~148KHz)+ Battery Level 50% (40%`60%) + Charging + Charging distance:0 cm for 25W
	Mode 12: WPC(112~148KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 25W
	Mode 13: WPC(112~148KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 30W
	Mode 14: WPC(112~148KHz)+ Battery Level 50% (40%`60%) + Charging + Charging distance:0 cm for 30W
	Mode 15: WPC(112~148KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 30W

Radiated Emission	Mode 1: WPC(BPP 128KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 5W
	Mode 2: WPC(BPP 128KHz)+ Battery Level 50% (40%`60%) + Charging + Charging distance:0 cm for 5W
	Mode 3: WPC(BPP 128KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 5W
	Mode 4: WPC(MPP 360KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 15W
	Mode 5: WPC(MPP 360KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 15W
	Mode 6: WPC(MPP 360KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 15W
	Mode 7: WPC(MPP 360KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 25W
	Mode 8: WPC(MPP 360KHz)+ Battery Level 50% (40%`60%) + Charging + Charging distance:0 cm for 25W
	Mode 9: WPC(MPP 360KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 25W
	Mode 10 : WPC(112~148KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 25W
	Mode 11 : WPC(112~148KHz)+ Battery Level 50% (40%`60%) + Charging + Charging distance:0 cm for 25W
	Mode 12 : WPC(112~148KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 25W
	Mode 13 : WPC(112~148KHz)+ Battery Level < 10% + Charging + Charging distance:0 cm for 30W
	Mode 14 : WPC(112~148KHz)+ Battery Level 50% (40%`60%) + Charging + Charging distance:0 cm for 30W
	Mode 15 : WPC(112~148KHz)+ Battery Level >90% + Charging + Charging distance:0 cm for 30W
Remark: 1. The worst case of conducted emission is mode 5; only the test data of it was reported. 2. The worst case of radiated emission is mode 1/6/12/14; only the test data of it was reported, for 360kHz 15W and 25W, we choice the maximum level of 15W (Mode 6) shown in the report. 3. The tests were performed with Adapter and Phone.	

2.2 Connection Diagram of Test System



2.3 Support Unit used in test configuration and system

Item	Equipment	Trade Name	Model Name	FCC ID	Data Cable	Power Cord
1.	Mobile phone	N/A	N/A	N/A	N/A	N/A
2.	AC Adapter	N/A	N/A	N/A	N/A	N/A

3 Test Result

3.1 20dB and 99% Occupied Bandwidth Measurement

3.1.1 Limit of 20dB and 99% Occupied Bandwidth

Reporting only, 99% OBW shall not located within 15.205 restricted bands.

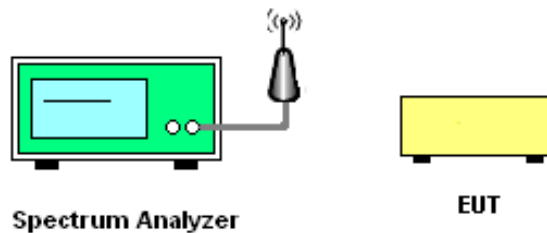
3.1.2 Measuring Instruments

See list of measuring equipment of this test report.

3.1.3 Test Procedures

1. The 20dB bandwidth is measured with a spectrum analyzer connected via a receiver antenna placed near the EUT while wirelessly charging a charging board.
2. Use the following spectrum analyzer settings for 99 % Bandwidth measurement.
3. Measure and record the results in the test report.

3.1.4 Test Setup



3.1.5 Test Result of 20dB and 99% Bandwidth

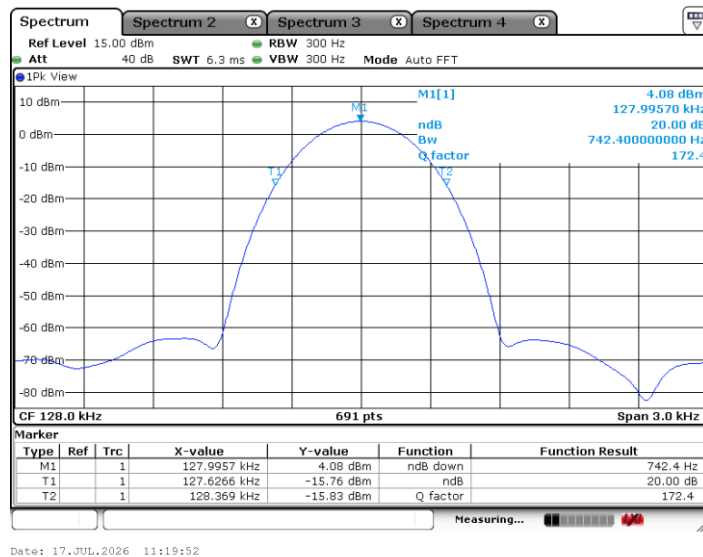
Test Engineer :	Smile	Temperature :	21~22°C
		Relative Humidity :	41~42%

Mode 1

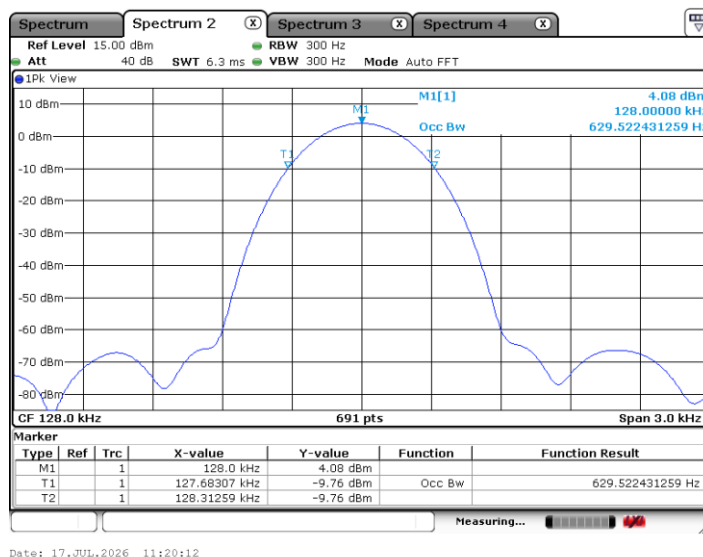
Occupied Bandwidth (kHz)	Frequency (kHz)
20dB Bandwidth(KHz)	0.742
99% Bandwidth(KHz)	0.630

Remark: Because the measured signal is CW adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW

20 dB Bandwidth Plot



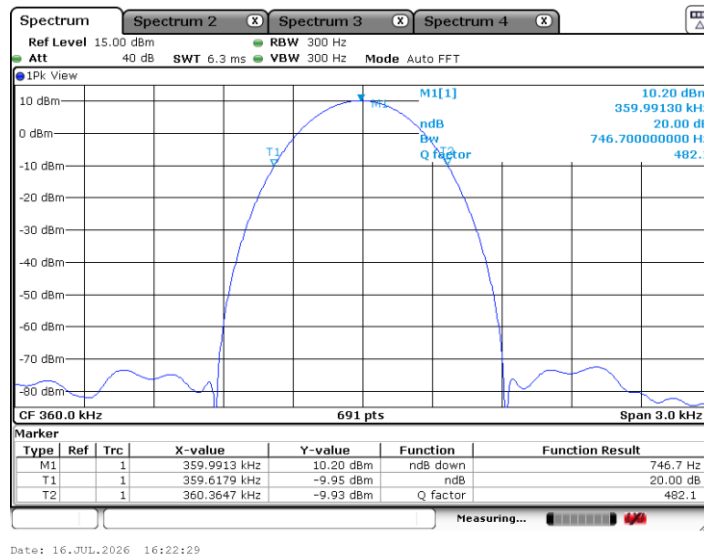
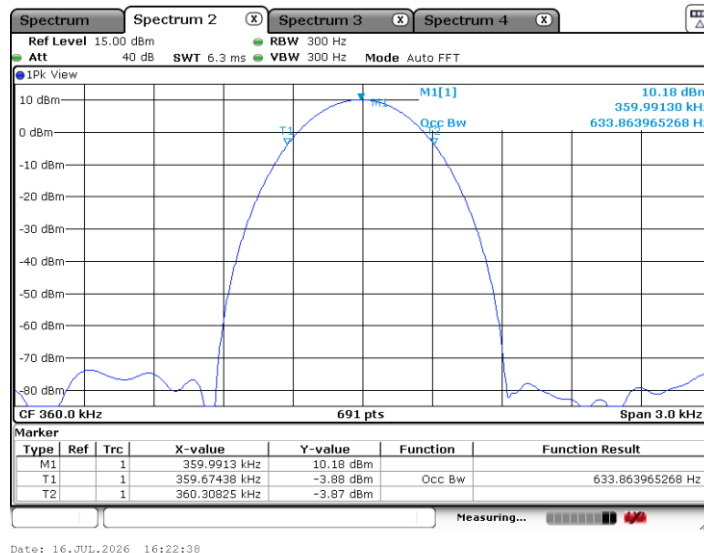
99% Occupied Bandwidth Plot



Mode 6

Occupied Bandwidth (kHz)	Frequency (kHz)
20dB Bandwidth(KHz)	0.747
99% Bandwidth(KHz)	0.634

Remark: Because the measured signal is CW adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW

20 dB Bandwidth Plot

99% Occupied Bandwidth Plot


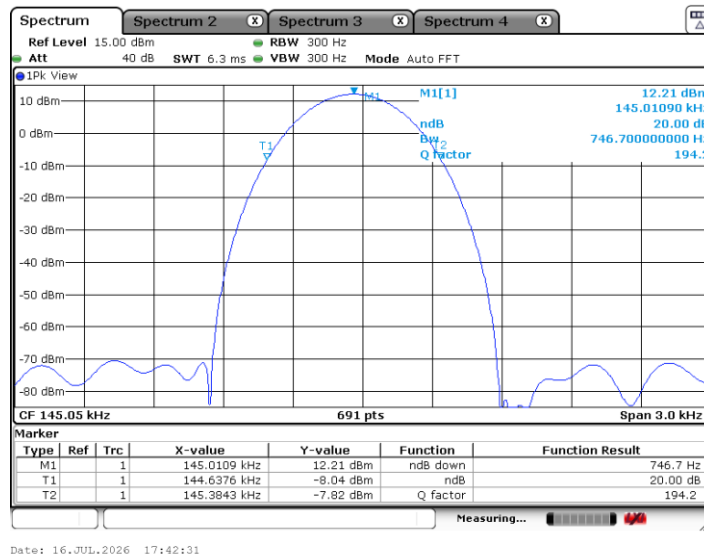


Mode 11

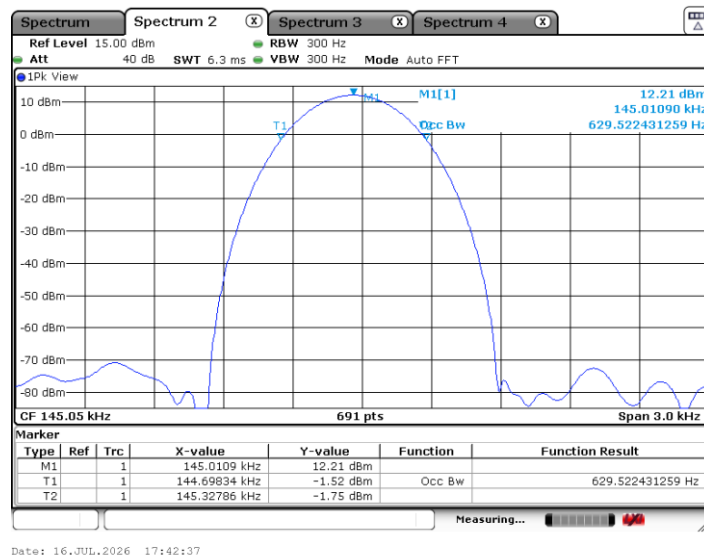
Occupied Bandwidth (kHz)	Frequency (kHz)
20dB Bandwidth(KHz)	0.747
99% Bandwidth(KHz)	0.630

Remark: Because the measured signal is CW adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW

20 dB Bandwidth Plot



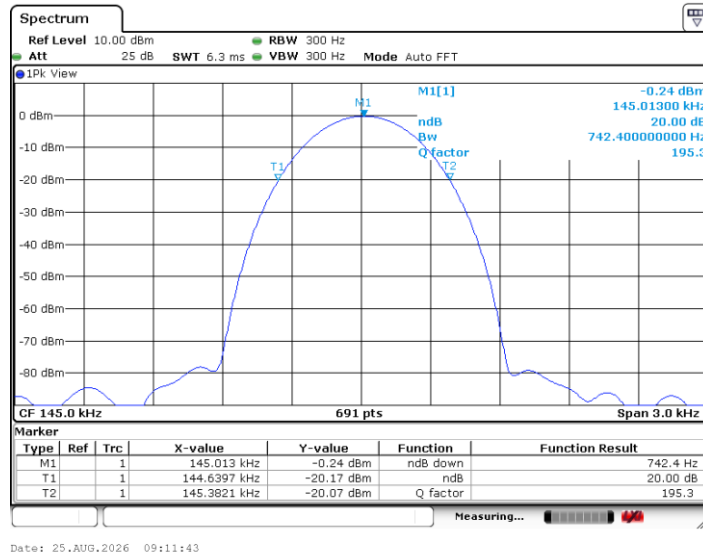
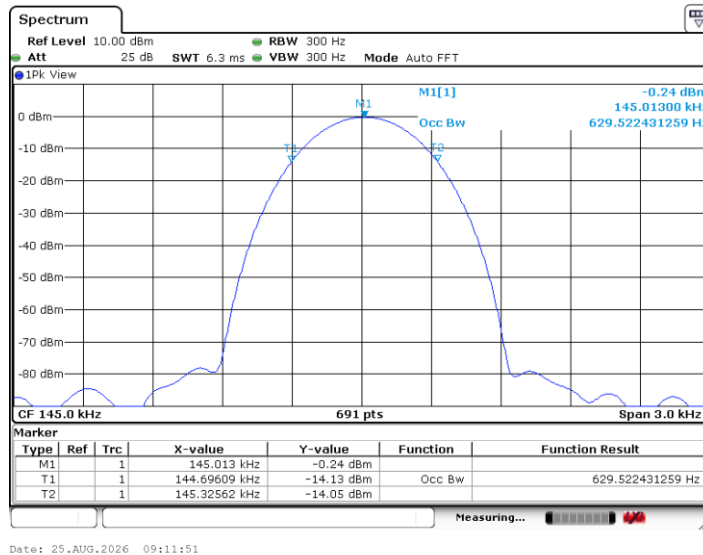
99% Occupied Bandwidth Plot



Mode 13

Occupied Bandwidth (kHz)	Frequency (kHz)
20dB Bandwidth(KHz)	0.742
99% Bandwidth(KHz)	0.630

Remark: Because the measured signal is CW adjusting the RBW per C63.10 would not be practical since measured bandwidth will always follow the RBW and the result will be approximately twice the RBW

20 dB Bandwidth Plot

99% Occupied Bandwidth Plot


Note: The worst case is mode 1/6/11/13; only the test data of it was reported, for 360kHz 15W and 25W, the maximum measurement value of 15W (Mode 6) is shown in the report.

3.2 Radiated Emission Measurement

3.2.1 Limit of Radiated Emission

The emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

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
30 – 88	100	3
88 – 216	150	3
216 - 960	200	3
Above 960	500	3

Receiver Parameter	Setting
Frequency Range: 9kHz~150kHz	RBW 200Hz for QP
Frequency Range: 150kHz~30MHz	RBW 9kHz for QP
Frequency Range: 30MHz~1000MHz	RBW 120kHz for Peak

Note: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz. Radiated emission limits in these two bands are based on measurements employing an average detector.

For radiated emissions from 9kHz to 1GHz test distance is 3m

For 9kHz ~ 30MHz

1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);
3. specific line (dB μ V/m) = $20 \log$ Emission level (μ V/m)
4. Limit line = specific limits (dB μ V/m) + distance extrapolation factor.

3.2.2 Measuring Instruments

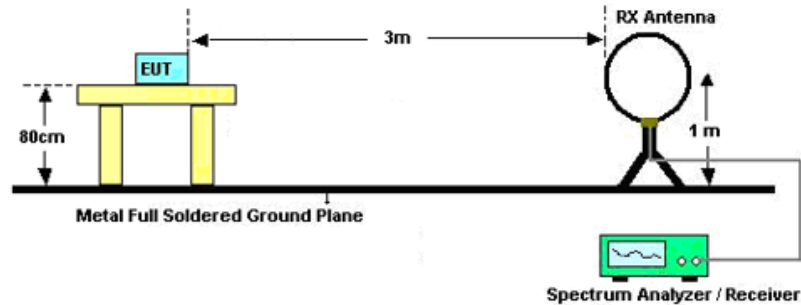
See list of measuring equipment of this test report.

3.2.3 Measuring Instrument Setting

Follow the guidelines in C63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission for three EUT orthogonal planes, and adjusting the measurement antenna height and polarization. A pre-amp and a high pass filter are used for this test in order to get the good signal level.

3.2.4 Test Setup of Radiated Emission

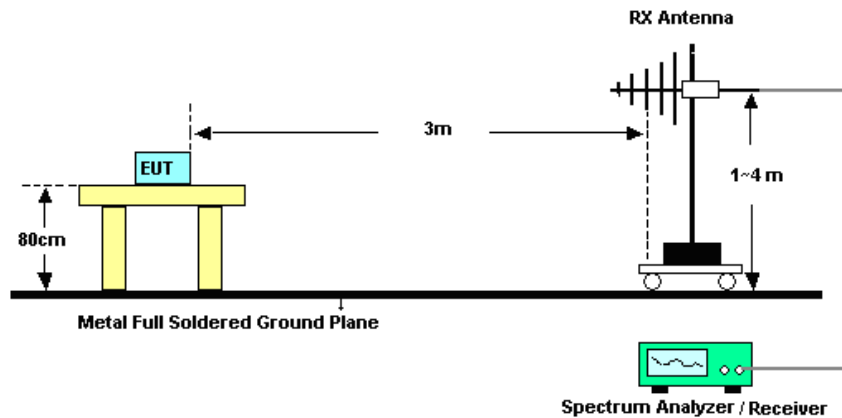
For radiated emissions below 30MHz



Note:

1. There is a comparison data of both open-field test site and alternative test site - semi-Anechoic chamber according to 414788 D01 Radiated Test Site v01r01, and the result came out very similar.
2. Tested for radiated below 30 MHz using a loop antenna in accordance with C63.10, the antenna was positioned in three antenna orientations: horizontal, vertical, and ground-parallel three polarization's, the worst case is horizontal & vertical polarization, test data of two mode was reported.

For radiated emissions above 30MHz





3.2.5 Test Result of Fundamental Emission

Mode 1:

Frequency (MHz)	Level (dBuV/m) @3m	Distance Factor (dB)	Corrected level @300m (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Remark	Pol/Phase
0.1274	58.45	80	-21.55	25.49	-47.04	38.54	19.84	0.07	AV	Perpendicular
0.1278	53.00	80	-27	25.47	-52.47	33.09	19.84	0.07	AV	Parallel

Mode 6:

For 360kHz 15W and 25W, we choice the maximum level of 15W shown in the report.

Frequency (MHz)	Level (dBuV/m) @3m	Distance Factor (dB)	Corrected level @300m (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Remark	Pol/Phase
0.3609	52.30	80	-27.7	16.46	-44.16	32.46	19.77	0.07	AV	Perpendicular
0.3614	49.81	80	-30.19	16.44	-46.63	29.97	19.77	0.07	AV	Parallel

Mode 12:

Frequency (MHz)	Level (dBuV/m) @3m	Distance Factor (dB)	Corrected level @300m (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Remark	Pol/Phase
0.1450	71.25	80	-8.75	24.37	-33.12	51.34	19.84	0.07	AV	Perpendicular
0.1451	66.19	80	-13.81	24.37	-38.18	46.29	19.83	0.07	AV	Parallel

Mode 14:

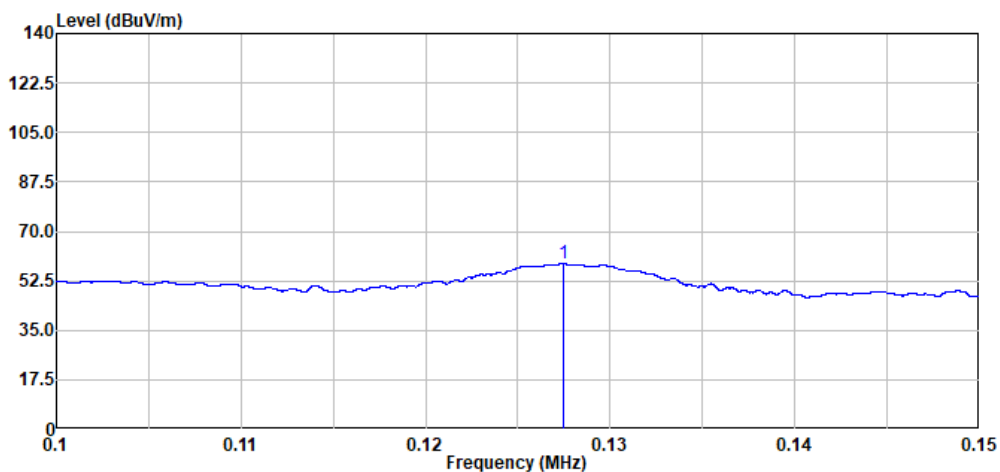
Frequency (MHz)	Level (dBuV/m) @3m	Distance Factor (dB)	Corrected level @300m (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Remark	Pol/Phase
0.145	69.67	80	-10.33	24.37	-35.82	49.61	19.99	0.07	AV	Perpendicular
0.1451	63.91	80	-16.09	24.37	-41.56	43.85	19.99	0.07	AV	Parallel

Note: The field strength is tested at 3m distance then convert to 300m by adding distance factor $40 \cdot \log(d1/d2)$



Mode 1:

Test Engineer :	Monn	Temperature :	21~22°C
Polarization :	Perpendicular	Relative Humidity :	45~46%

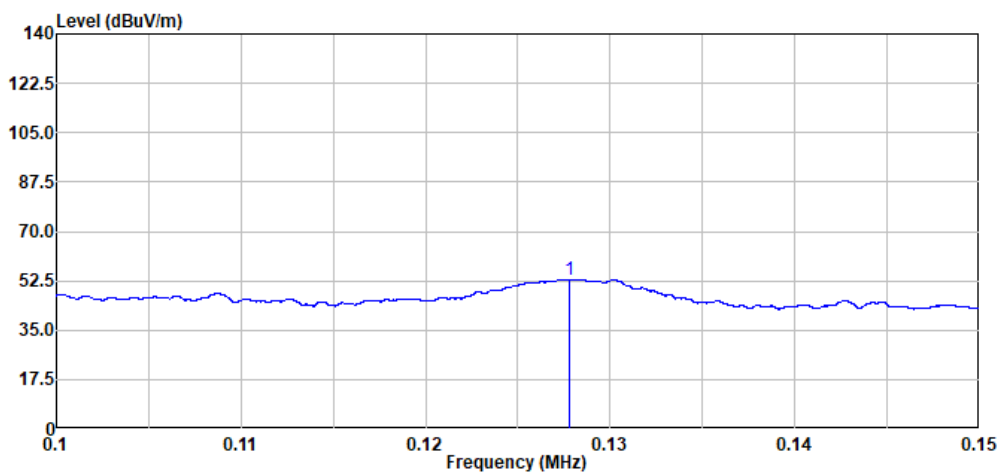


Site : 03CH02-KS
Condition: 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	
1	0.1274	58.45	-----	-----	38.54	19.84	0.07	---	---	Average



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Parallel	Relative Humidity :	45~46%



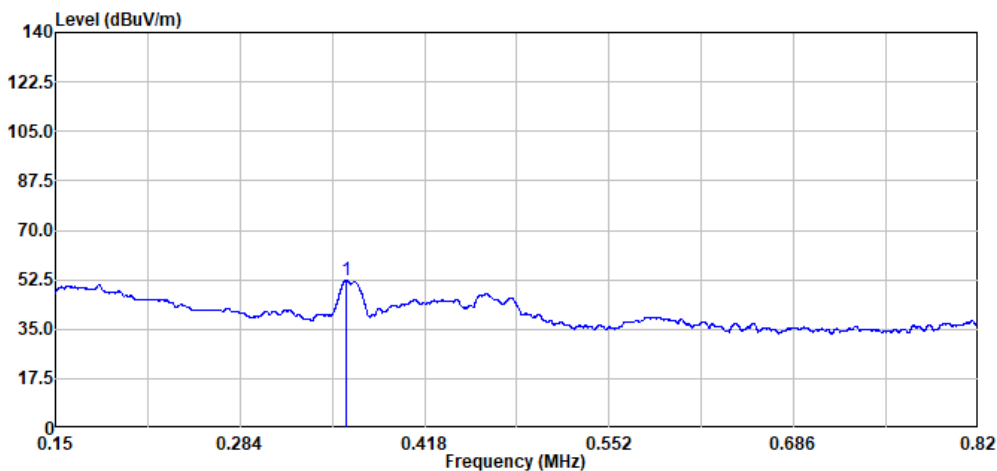
Site : 03CH02-KS
Condition: 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	
1	0.1278	53.00	-----	-----	33.09	19.84	0.07	---	---	Average



Mode 6:

Test Engineer :	Monn	Temperature :	21~22°C
Polarization :	Perpendicular	Relative Humidity :	45~46%

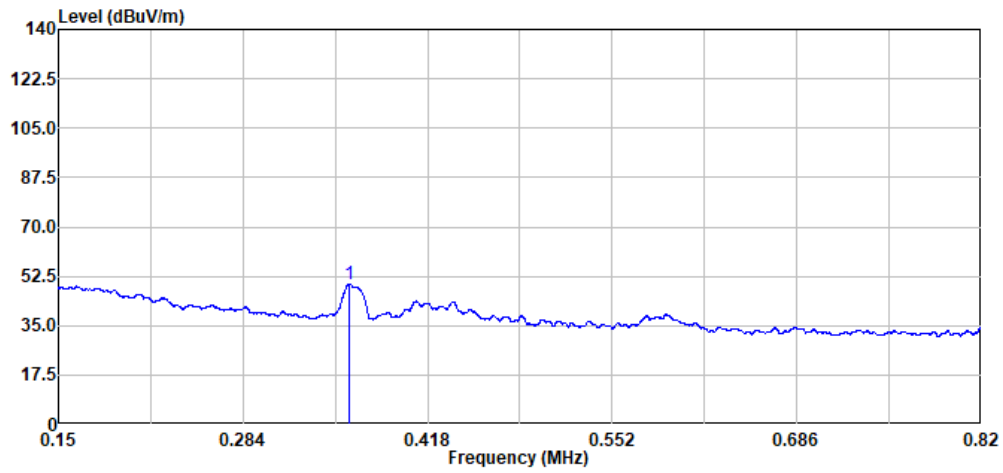


Site : 03CH02-KS
Condition: 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	
1	0.3609	52.30	-----	-----	32.46	19.77	0.07	---	---	Average



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Parallel	Relative Humidity :	45~46%



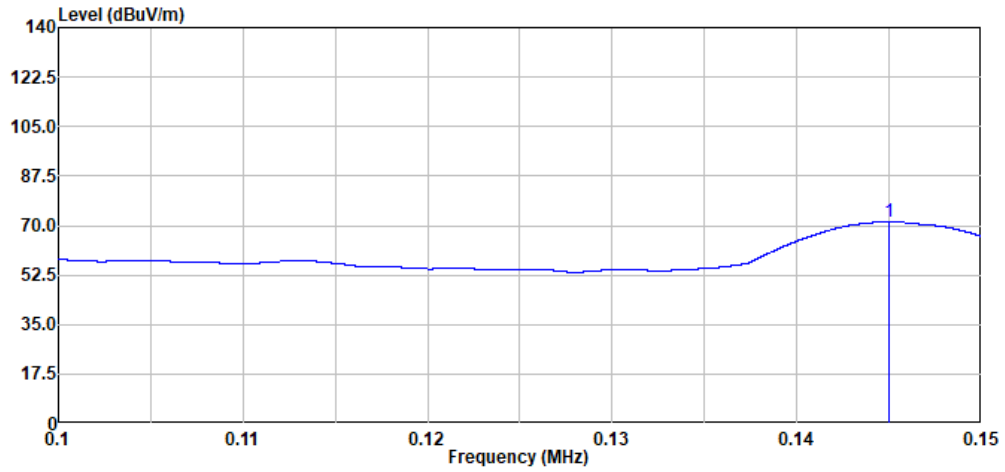
Site : 03CH02-KS
Condition: 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit	Over	Read	Ant	Cable	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	
1	0.3614	49.81	-----	-----	29.97	19.77	0.07	---	---	Average



Mode 12:

Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Perpendicular	Relative Humidity :	45~46%

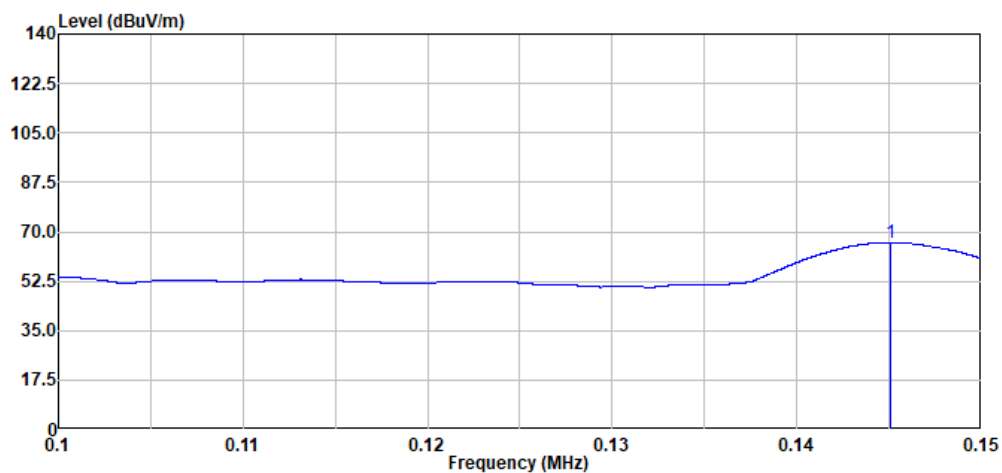


Site : 03CH02-KS
Condition: 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit	Over	Read	Ant	Cable	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	
1	0.1450	71.25	-----	-----	51.34	19.84	0.07	---	---	Average



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Parallel	Relative Humidity :	45~46%



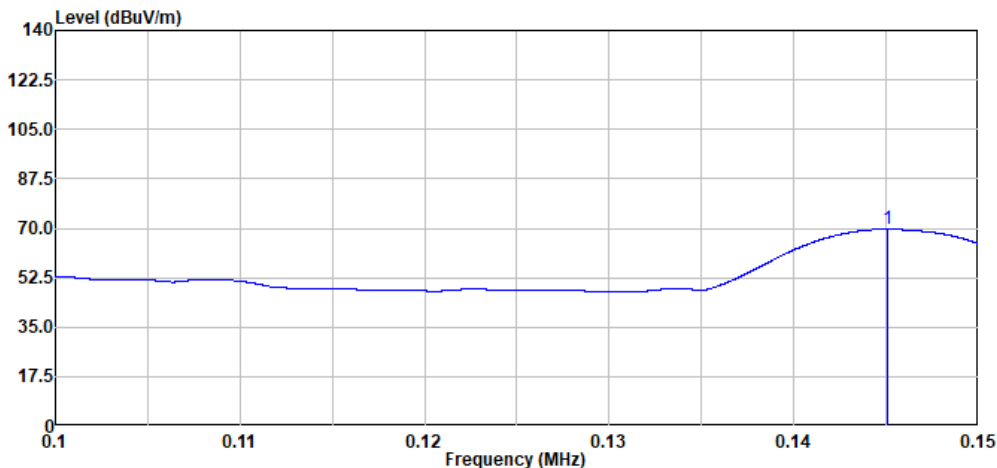
Site : 03CH02-KS
Condition: 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	
1	0.1451	66.19	-----	-----	46.29	19.83	0.07	---	---	Average



Mode 14:

Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Perpendicular	Relative Humidity :	45~46%

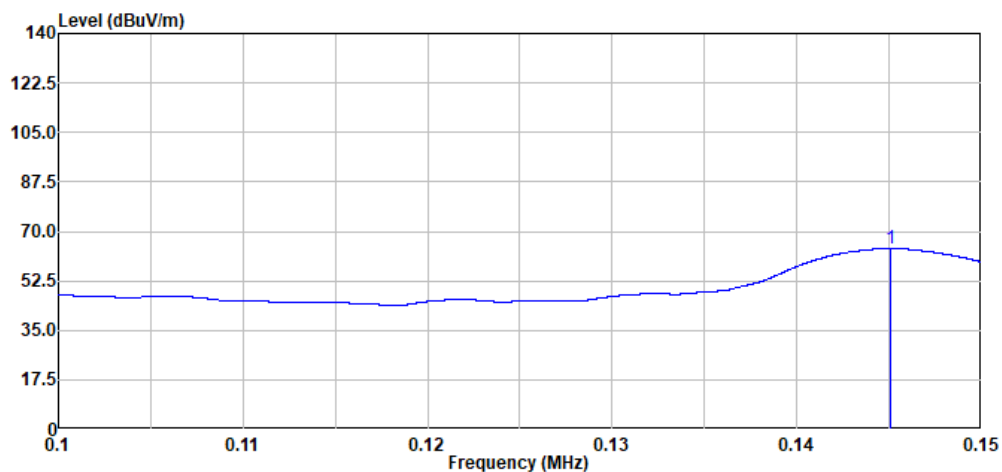


Site : 03CH02-KS
Condition: 3m Loop HFH2-Z2E SN 101125 - 8-12 Horizontal

	Freq	Level	Limit	Over	Read	Ant	Cable	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	
1	0.1450	69.67	-----	-----	49.61	19.99	0.07	---	---	Average



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Parallel	Relative Humidity :	45~46%



Site : 03CH02-KS
Condition: 3m Loop HFH2-Z2E SN 101125 - 8-12 Vertical

	Freq	Level	Limit Line	Over Limit	Read Level	Ant Factor	Cable Loss	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	cm	deg	
1	0.1451	63.91	-----	-----	43.85	19.99	0.07	---	---	Average



3.2.6 Test Result of Radiated Emission (9kHz ~ 30MHz)

Mode 1:

Frequency (MHz)	Level 3m (dBuV/m)	Distance Factor (dB)	Corrected Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Remark	Pol/Phase
0.0299	57.52	80	-22.48	38.07	-60.55	37.37	20.11	0.04	Average	Perpendicular
0.0500	45.98	80	-34.02	33.61	-67.63	25.94	19.99	0.05	Average	Perpendicular
0.4187	38.1	80	-41.9	15.16	-57.06	18.26	19.77	0.07	Average	Perpendicular
6.7805	27.09	40	-12.91	29.5	-42.41	7.14	19.79	0.16	QP	Perpendicular
18.3828	27.03	40	-12.97	29.5	-42.47	6.89	19.85	0.29	QP	Perpendicular
27.3600	27.54	40	-12.46	29.5	-41.96	6.91	20.24	0.39	QP	Perpendicular
0.0247	48.36	80	-31.64	39.74	-71.38	28.17	20.15	0.04	Average	Parallel
0.0492	42.05	80	-37.95	33.75	-71.7	22.01	19.99	0.05	Average	Parallel
0.4247	37.42	80	-42.58	15.04	-57.62	17.58	19.77	0.07	Average	Parallel
6.7865	28.73	40	-11.27	29.5	-40.77	8.78	19.79	0.16	QP	Parallel
8.7480	29.01	40	-10.99	29.5	-40.49	9.03	19.8	0.18	QP	Parallel
29.8250	27.95	40	-12.05	29.5	-41.55	6.92	20.6	0.43	QP	Parallel

Mode 6:

Frequency (MHz)	Level 3m (dBuV/m)	Distance Factor (dB)	Corrected Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Remark	Pol/Phase
0.0299	52.05	80	-27.95	38.07	-66.02	31.9	20.11	0.04	Average	Perpendicular
0.0656	45.33	80	-34.67	31.25	-65.92	25.34	19.94	0.05	Average	Perpendicular
0.4673	44.36	80	-35.64	14.21	-49.85	24.52	19.77	0.07	Average	Perpendicular
6.9485	36.37	40	-3.63	29.5	-33.13	16.4	19.81	0.16	QP	Perpendicular
18.8503	29.16	40	-10.84	29.5	-40.34	9.02	19.84	0.3	QP	Perpendicular
26.5988	27.5	40	-12.5	29.5	-42	6.94	20.18	0.38	QP	Perpendicular
0.0299	49.25	80	-30.75	38.07	-68.82	29.1	20.11	0.04	Average	Parallel
0.0500	43.42	80	-36.58	33.62	-70.2	23.38	19.99	0.05	Average	Parallel
0.4696	43.52	80	-36.48	14.17	-50.65	23.68	19.77	0.07	Average	Parallel
7.1585	36.48	40	-3.52	29.5	-33.02	16.51	19.81	0.16	QP	Parallel
19.2498	30.44	40	-9.56	29.5	-39.06	10.3	19.84	0.3	QP	Parallel
28.3413	27.66	40	-12.34	29.5	-41.84	6.86	20.39	0.41	QP	Parallel



Mode 12:

Frequency (MHz)	Level 3m (dBuV/m)	Distance Factor (dB)	Corrected Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Remark	Pol/Phase
0.0299	59.12	80	-20.88	38.07	-58.95	38.97	20.11	0.04	Average	Perpendicular
0.0422	53.28	80	-26.72	35.09	-61.81	33.21	20.02	0.05	Average	Perpendicular
0.4354	51.3	80	-28.7	14.83	-43.53	31.46	19.77	0.07	Average	Perpendicular
6.8150	30.32	40	-9.68	29.5	-39.18	10.36	19.8	0.16	QP	Perpendicular
19.6535	31.08	40	-8.92	29.5	-38.42	10.93	19.84	0.31	QP	Perpendicular
27.5625	30.19	40	-9.81	29.5	-39.31	9.52	20.27	0.4	QP	Perpendicular
0.0299	48.71	80	-31.29	38.07	-69.36	28.56	20.11	0.04	Average	Parallel
0.0437	50.3	80	-29.7	34.79	-64.49	30.23	20.02	0.05	Average	Parallel
0.4349	47.87	80	-32.13	14.84	-46.97	28.03	19.77	0.07	Average	Parallel
7.6850	36.66	40	-3.34	29.5	-32.84	16.66	19.83	0.17	QP	Parallel
8.8458	36.21	40	-3.79	29.5	-33.29	16.23	19.8	0.18	QP	Parallel
29.5813	31.05	40	-8.95	29.5	-38.45	10.06	20.57	0.42	QP	Parallel

Mode 14:

Frequency (MHz)	Level 3m (dBuV/m)	Distance Factor (dB)	Corrected Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Remark	Pol/Phase
0.03	60.31	80	-19.69	38.07	-57.76	40.02	20.25	0.04	Average	Perpendicular
0.05	47.75	80	-32.25	33.61	-65.86	27.55	20.15	0.05	Average	Perpendicular
0.44	44.57	80	-35.43	14.83	-50.26	24.56	19.94	0.07	Average	Perpendicular
6.98	38.74	40	-1.26	29.5	-30.76	18.61	19.97	0.16	QP	Perpendicular
20.16	32.57	40	-7.43	29.5	-36.93	12.19	20.07	0.31	QP	Perpendicular
26.23	32.31	40	-7.69	29.5	-37.19	11.54	20.39	0.38	QP	Perpendicular
0.03	47.08	80	-32.92	38.07	-70.99	26.79	20.25	0.04	Average	Parallel
0.05	43.36	80	-36.64	33.61	-70.25	23.16	20.15	0.05	Average	Parallel
0.41	43.48	80	-36.52	15.43	-51.95	23.47	19.94	0.07	Average	Parallel
6.98	39.9	40	-0.1	29.5	-29.6	19.77	19.97	0.16	QP	Parallel
20.26	32.31	40	-7.69	29.5	-37.19	11.93	20.07	0.31	QP	Parallel
26.49	32.49	40	-7.51	29.5	-37.01	11.71	20.4	0.38	QP	Parallel

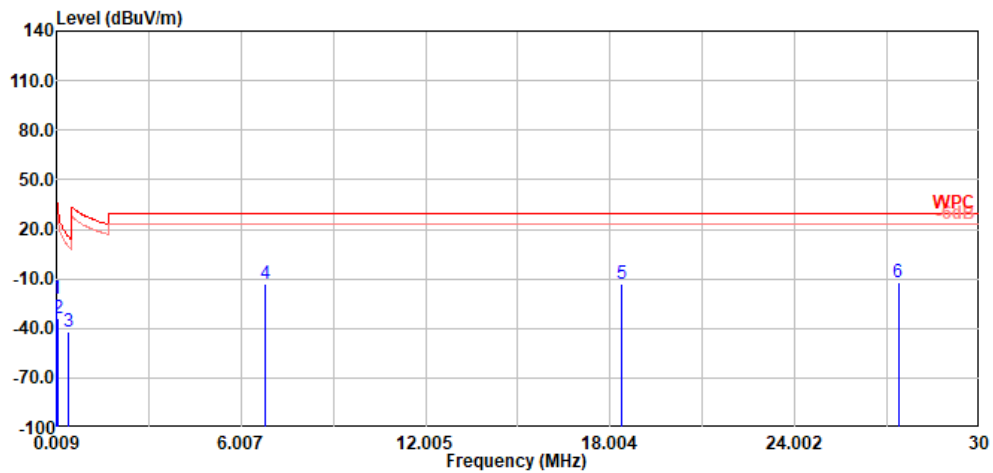
Note:

1. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.
2. Distance extrapolation factor = $40 \log (\text{specific distance} / \text{test distance})$ (dB);
3. Corrected Level = Level @3m (dBuV/m) - distance extrapolation factor.



Mode 1:

Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Perpendicular	Relative Humidity :	45~46%

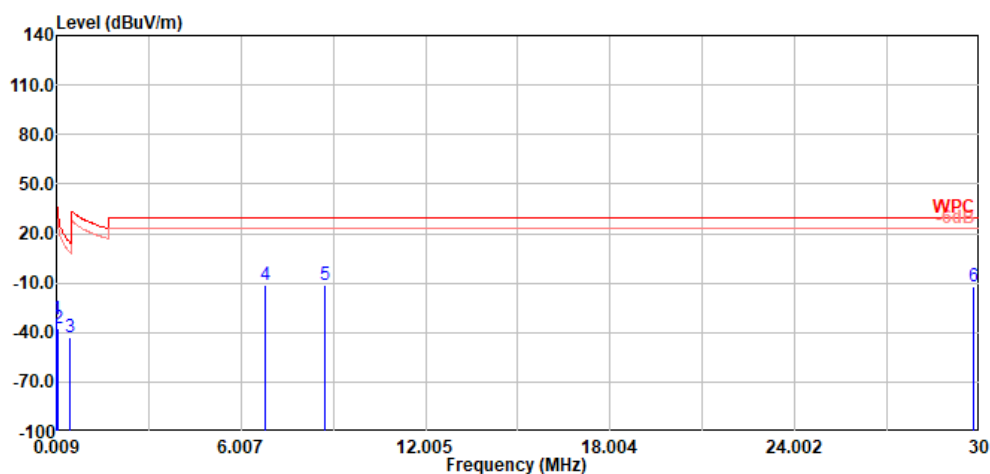


Site : 03CH02-KS
Condition: WPC 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit	Over	Read	Ant	Cable	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	0.0299	-22.48	38.07	-60.55	37.37	20.11	0.04	-80.00	---	---	Average
2	0.0500	-34.02	33.61	-67.63	25.94	19.99	0.05	-80.00	---	---	Average
3	0.4187	-41.90	15.16	-57.06	18.26	19.77	0.07	-80.00	---	---	Average
4	6.7805	-12.91	29.50	-42.41	7.14	19.79	0.16	-40.00	---	---	QP
5	18.3828	-12.97	29.50	-42.47	6.89	19.85	0.29	-40.00	---	---	QP
6	27.3600	-12.46	29.50	-41.96	6.91	20.24	0.39	-40.00	---	---	QP



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Parallel	Relative Humidity :	45~46%

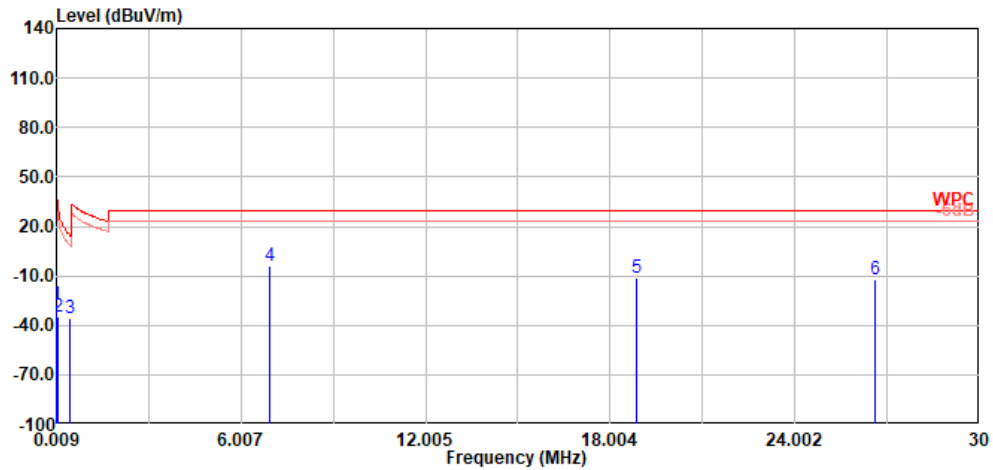


Site : 03CH02-KS
Condition: WPC 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit	Over	Read	Ant	Cable	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	0.0247	-31.64	39.74	-71.38	28.17	20.15	0.04	-80.00	---	---	Average
2	0.0492	-37.95	33.75	-71.70	22.01	19.99	0.05	-80.00	---	---	Average
3	0.4247	-42.58	15.04	-57.62	17.58	19.77	0.07	-80.00	---	---	Average
4	6.7865	-11.27	29.50	-40.77	8.78	19.79	0.16	-40.00	---	---	QP
5	8.7480	-10.99	29.50	-40.49	9.03	19.80	0.18	-40.00	---	---	QP
6	29.8250	-12.05	29.50	-41.55	6.92	20.60	0.43	-40.00	---	---	QP

Mode 6:

Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Perpendicular	Relative Humidity :	45~46%

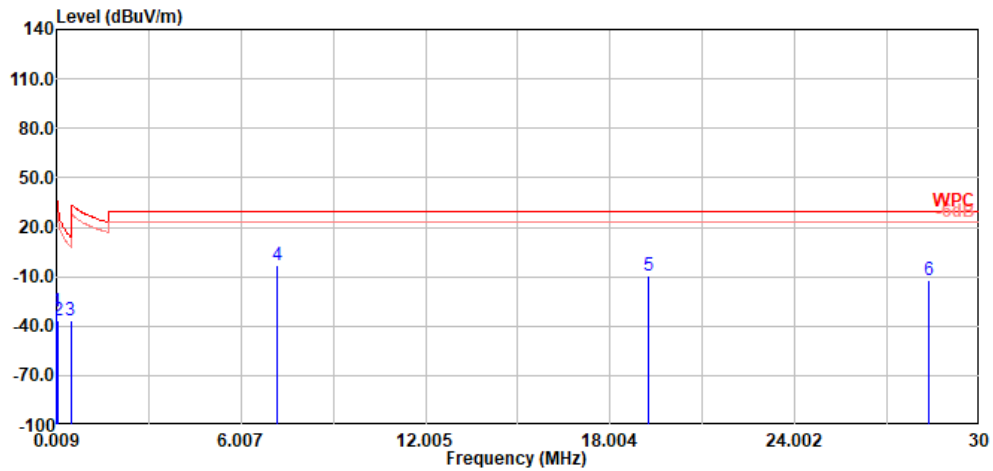


Site : 03CH02-KS
Condition: WPC 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit	Over	Read	Ant	Cable	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	0.0299	-27.95	38.07	-66.02	31.90	20.11	0.04	-80.00	---	---	Average
2	0.0656	-34.67	31.25	-65.92	25.34	19.94	0.05	-80.00	---	---	Average
3	0.4673	-35.64	14.21	-49.85	24.52	19.77	0.07	-80.00	---	---	Average
4	6.9485	-3.63	29.50	-33.13	16.40	19.81	0.16	-40.00	---	---	QP
5	18.8503	-10.84	29.50	-40.34	9.02	19.84	0.30	-40.00	---	---	QP
6	26.5988	-12.50	29.50	-42.00	6.94	20.18	0.38	-40.00	---	---	QP



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Parallel	Relative Humidity :	45~46%



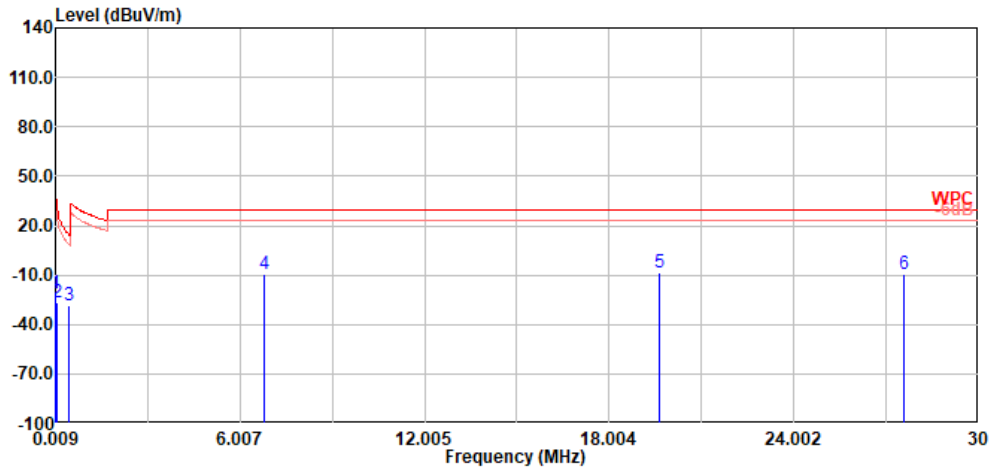
Site : 03CH02-KS
Condition: WPC 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit	Over	Read	Ant	Cable	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	0.0299	-30.75	38.07	-68.82	29.10	20.11	0.04	-80.00	---	---	Average
2	0.0500	-36.58	33.62	-70.20	23.38	19.99	0.05	-80.00	---	---	Average
3	0.4696	-36.48	14.17	-50.65	23.68	19.77	0.07	-80.00	---	---	Average
4	7.1585	-3.52	29.50	-33.02	16.51	19.81	0.16	-40.00	---	---	QP
5	19.2498	-9.56	29.50	-39.06	10.30	19.84	0.30	-40.00	---	---	QP
6	28.3413	-12.34	29.50	-41.84	6.86	20.39	0.41	-40.00	---	---	QP



Mode 12:

Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Perpendicular	Relative Humidity :	45~46%

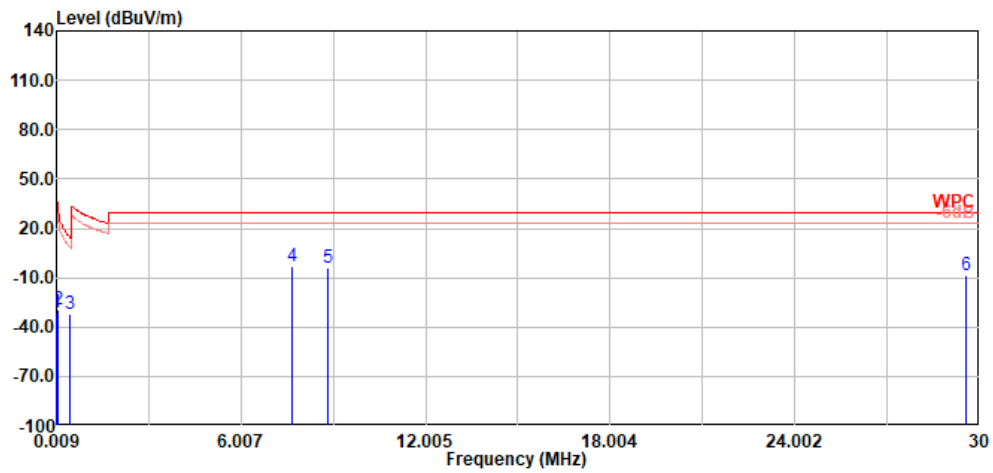


Site : 03CH02-KS
Condition: WPC 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit	Over	Read	Ant	Cable	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	0.0299	-20.88	38.07	-58.95	38.97	20.11	0.04	-80.00	---	---	Average
2	0.0422	-26.72	35.09	-61.81	33.21	20.02	0.05	-80.00	---	---	Average
3	0.4354	-28.70	14.83	-43.53	31.46	19.77	0.07	-80.00	---	---	Average
4	6.8150	-9.68	29.50	-39.18	10.36	19.80	0.16	-40.00	---	---	QP
5	19.6535	-8.92	29.50	-38.42	10.93	19.84	0.31	-40.00	---	---	QP
6	27.5625	-9.81	29.50	-39.31	9.52	20.27	0.40	-40.00	---	---	QP



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Parallel	Relative Humidity :	45~46%



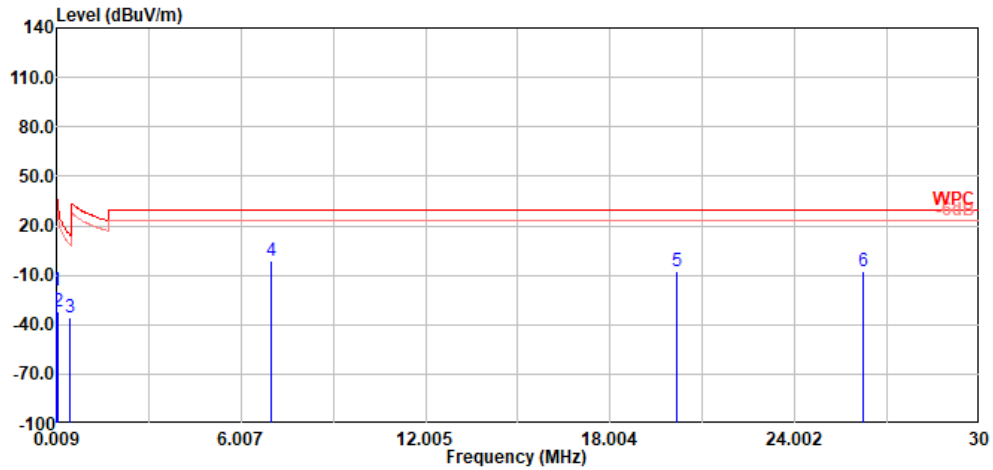
Site : 03CH02-KS
Condition: WPC 3m Loop HFH2-Z2E SN 101125

	Freq	Level	Limit	Over	Read	Ant	Cable	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	0.0299	-31.29	38.07	-69.36	28.56	20.11	0.04	-80.00	---	---	Average
2	0.0437	-29.70	34.79	-64.49	30.23	20.02	0.05	-80.00	---	---	Average
3	0.4349	-32.13	14.84	-46.97	28.03	19.77	0.07	-80.00	---	---	Average
4	7.6850	-3.34	29.50	-32.84	16.66	19.83	0.17	-40.00	---	---	QP
5	8.8458	-3.79	29.50	-33.29	16.23	19.80	0.18	-40.00	---	---	QP
6	29.5813	-8.95	29.50	-38.45	10.06	20.57	0.42	-40.00	---	---	QP



Mode 14:

Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Perpendicular	Relative Humidity :	45~46%

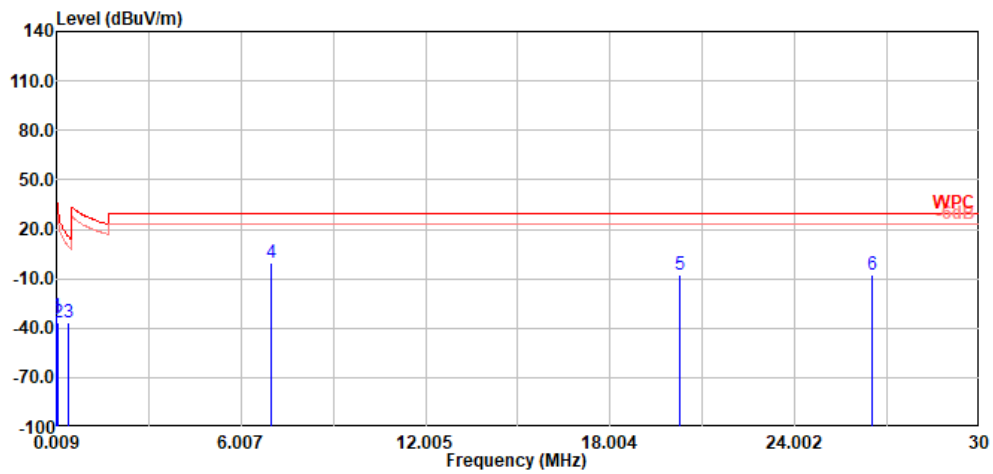


Site : 03CH02-KS
Condition: WPC 3m Loop HFH2-Z2E SN 101125 - 8-12

	Freq	Level	Limit	Over	Read	Ant	Cable	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	0.03	-19.69	38.07	-57.76	40.02	20.25	0.04	-80.00	---	---	Average
2	0.05	-32.25	33.61	-65.86	27.55	20.15	0.05	-80.00	---	---	Average
3	0.44	-35.43	14.83	-50.26	24.56	19.94	0.07	-80.00	---	---	Average
4	6.98	-1.26	29.50	-30.76	18.61	19.97	0.16	-40.00	---	---	QP
5	20.16	-7.43	29.50	-36.93	12.19	20.07	0.31	-40.00	---	---	QP
6	26.23	-7.69	29.50	-37.19	11.54	20.39	0.38	-40.00	---	---	QP



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Parallel	Relative Humidity :	45~46%



Site : 03CH02-KS
Condition: WPC 3m Loop HFH2-Z2E SN 101125 - 8-12

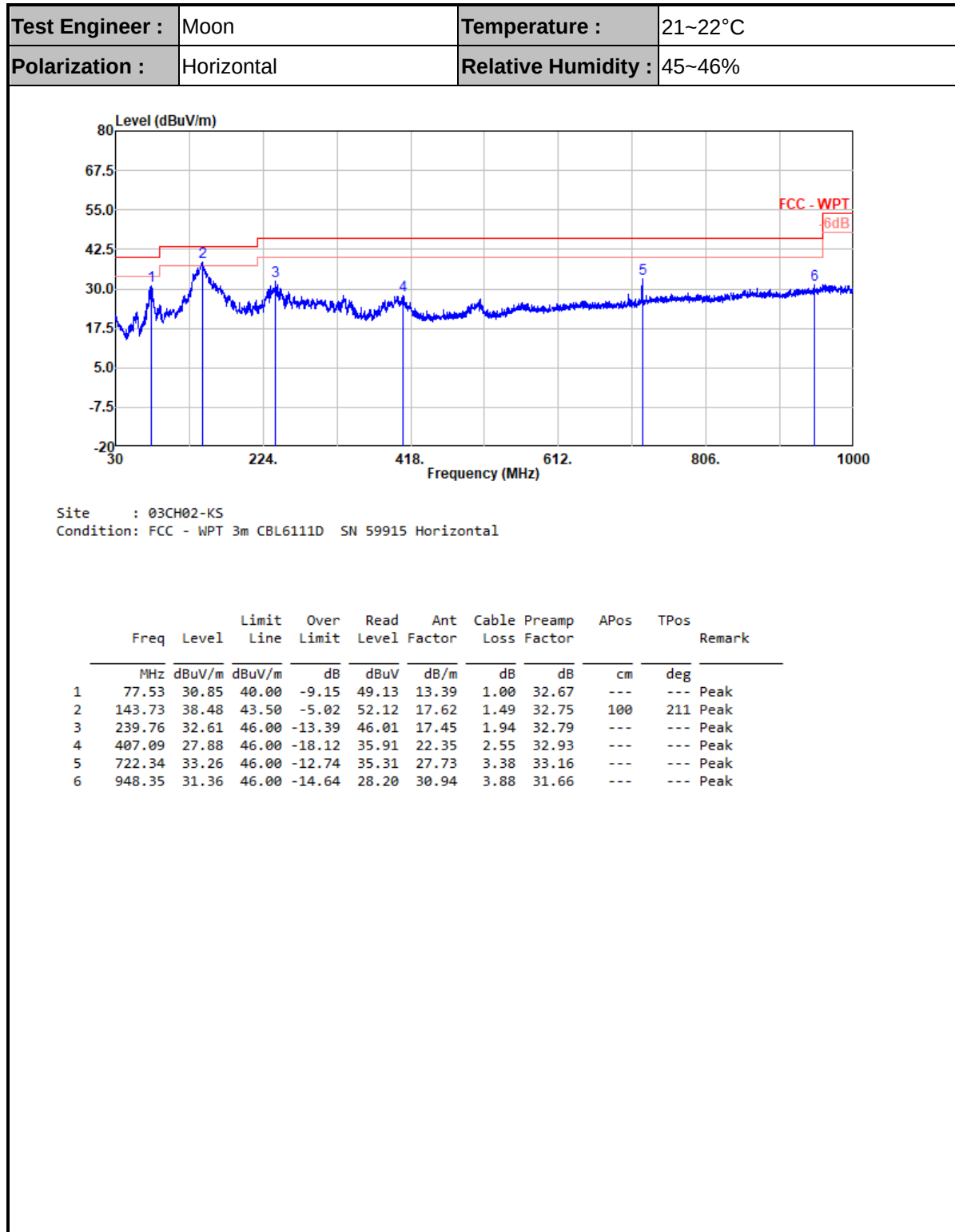
	Freq	Level	Limit	Over	Read	Ant	Cable	Aux	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	0.03	-32.92	38.07	-70.99	26.79	20.25	0.04	-80.00	---	---	Average
2	0.05	-36.64	33.61	-70.25	23.16	20.15	0.05	-80.00	---	---	Average
3	0.41	-36.52	15.43	-51.95	23.47	19.94	0.07	-80.00	---	---	Average
4	6.98	-0.10	29.50	-29.60	19.77	19.97	0.16	-40.00	---	---	QP
5	20.26	-7.69	29.50	-37.19	11.93	20.07	0.31	-40.00	---	---	QP
6	26.49	-7.51	29.50	-37.01	11.71	20.40	0.38	-40.00	---	---	QP

Note: The final test results could be referred to tables in the section 3.2.6.



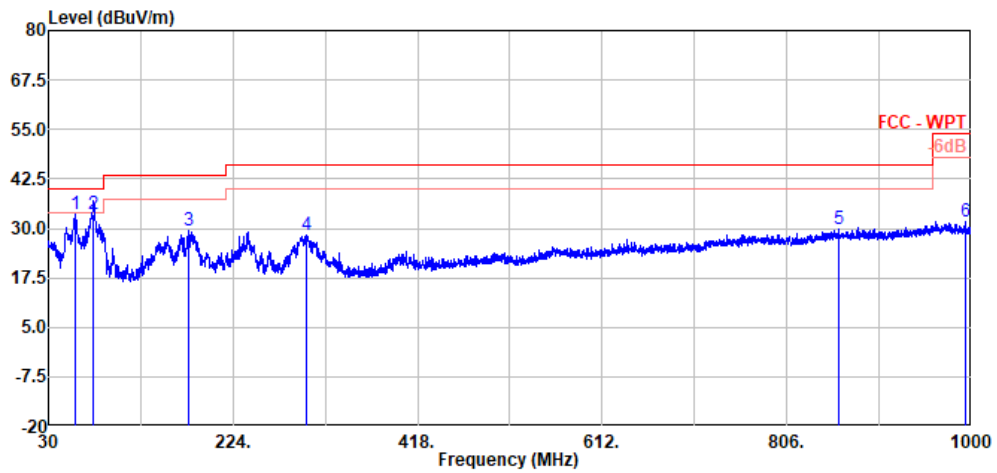
3.2.7 Test Result of Radiated Emission (30MHz ~ 1000MHz)

Mode 1:





Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Vertical	Relative Humidity :	45~46%



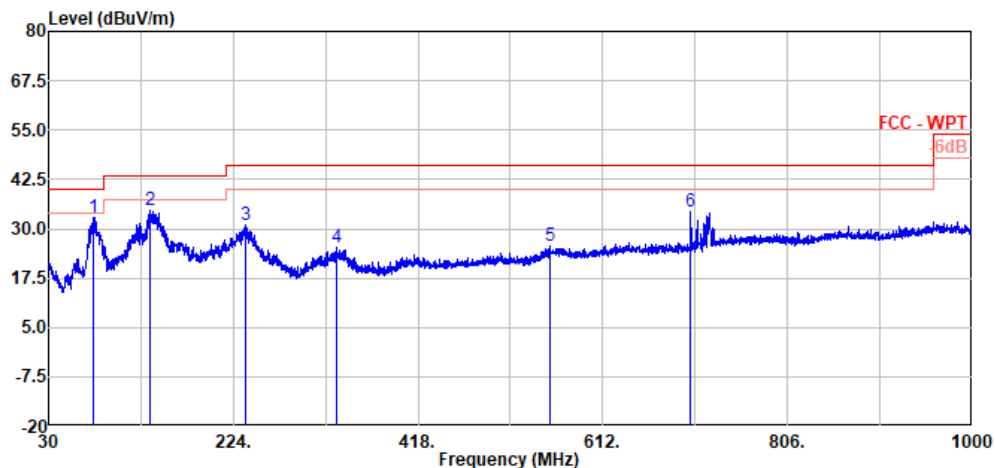
Site : 03CH02-KS
Condition: FCC - WPT 3m CBL6111D SN 59915 Vertical

	Freq	Level	Limit	Over	Read	Ant	Cable	Preamp	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	58.13	33.49	40.00	-6.51	53.18	12.27	0.77	32.73	---	---	Peak
2	77.05	33.55	40.00	-6.45	51.90	13.34	0.99	32.68	100	311	QP
3	177.68	29.56	43.50	-13.94	45.33	15.34	1.66	32.77	---	---	Peak
4	301.60	28.41	46.00	-17.59	39.53	19.53	2.19	32.84	---	---	Peak
5	859.84	29.73	46.00	-16.27	28.56	29.89	3.69	32.41	---	---	Peak
6	993.94	31.67	54.00	-22.33	27.84	31.01	3.97	31.15	---	---	Peak



Mode 6:

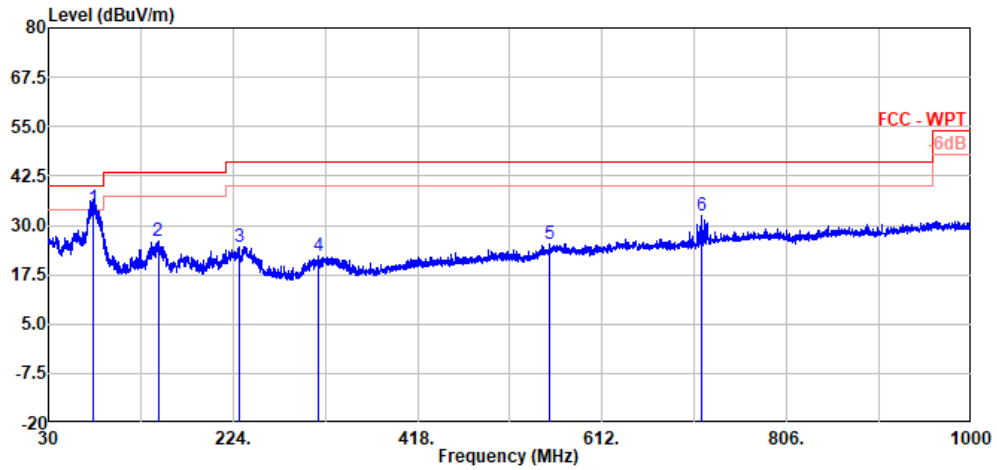
Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Horizontal	Relative Humidity :	45~46%



	Freq	Level	Limit	Over	Read	Ant	Cable	Preamp	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	77.53	32.86	40.00	-7.14	51.14	13.39	1.00	32.67	---	---	Peak
2	136.46	34.53	43.50	-8.97	48.09	17.73	1.45	32.74	---	---	Peak
3	236.37	31.04	46.00	-14.96	44.89	17.02	1.92	32.79	---	---	Peak
4	332.88	25.18	46.00	-20.82	35.68	20.08	2.29	32.87	---	---	Peak
5	556.47	25.61	46.00	-20.39	29.54	26.28	2.97	33.18	---	---	Peak
6	703.91	34.45	46.00	-11.55	37.34	26.95	3.34	33.18	---	---	Peak



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Vertical	Relative Humidity :	45~46%



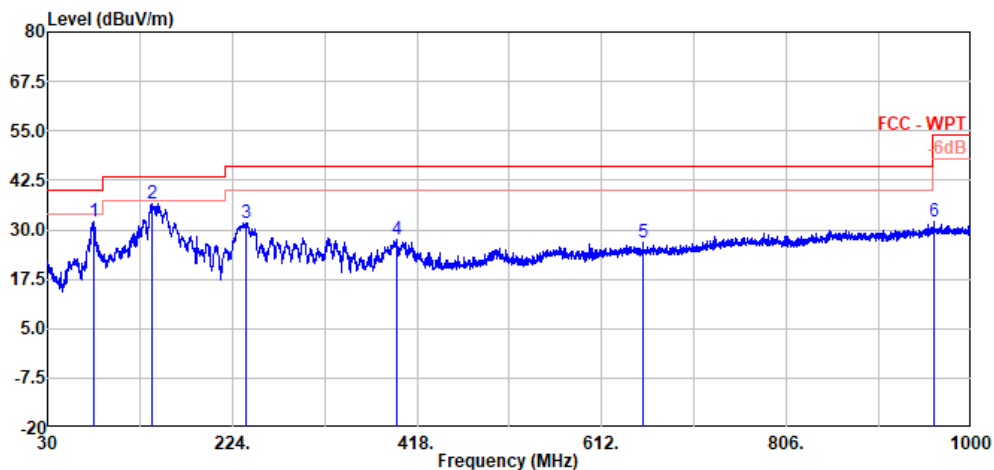
Site : 03CH02-KS
Condition: FCC - WPT 3m CBL6111D SN 59915 Vertical

	Freq	Level	Limit	Over	Read	Ant	Cable	Preamp	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	77.53	34.21	40.00	-5.79	52.49	13.39	1.00	32.67	100	211	QP
2	145.19	26.09	43.50	-17.41	39.77	17.57	1.50	32.75	---	---	Peak
3	230.06	24.60	46.00	-21.40	39.16	16.33	1.90	32.79	---	---	Peak
4	313.24	22.20	46.00	-23.80	33.18	19.64	2.23	32.85	---	---	Peak
5	557.20	25.41	46.00	-20.59	29.29	26.33	2.97	33.18	---	---	Peak
6	716.76	32.59	46.00	-13.41	34.99	27.39	3.37	33.16	---	---	Peak



Mode 12:

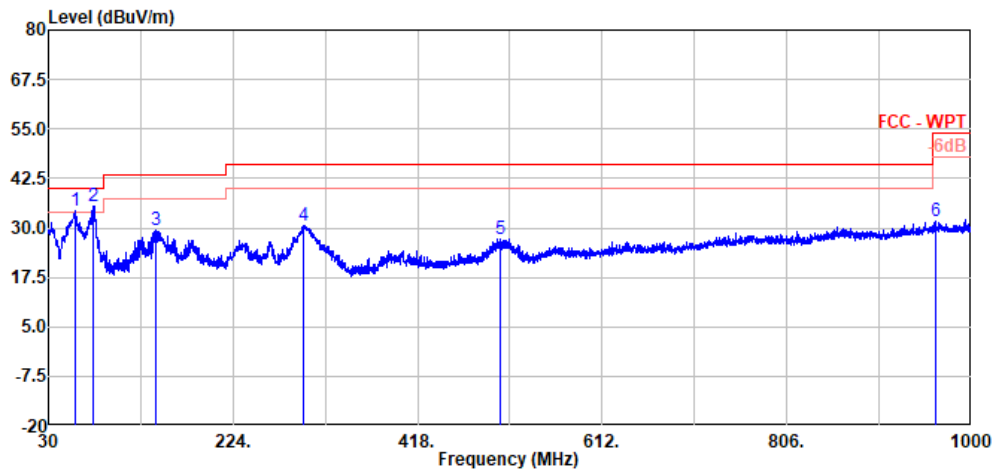
Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Horizontal	Relative Humidity :	45~46%



	Freq	Level	Limit	Over	Read	Ant	Cable	Preamp	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	79.23	32.11	40.00	-7.89	50.16	13.59	1.02	32.66	---	---	Peak
2	139.61	36.57	43.50	-6.93	50.17	17.68	1.47	32.75	---	---	Peak
3	238.79	31.59	46.00	-14.41	45.13	17.32	1.93	32.79	---	---	Peak
4	396.18	27.48	46.00	-18.52	36.00	21.88	2.52	32.92	---	---	Peak
5	655.41	26.87	46.00	-19.13	30.06	26.80	3.23	33.22	---	---	Peak
6	960.96	32.23	54.00	-21.77	28.49	31.36	3.90	31.52	---	---	Peak



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Vertical	Relative Humidity :	45~46%



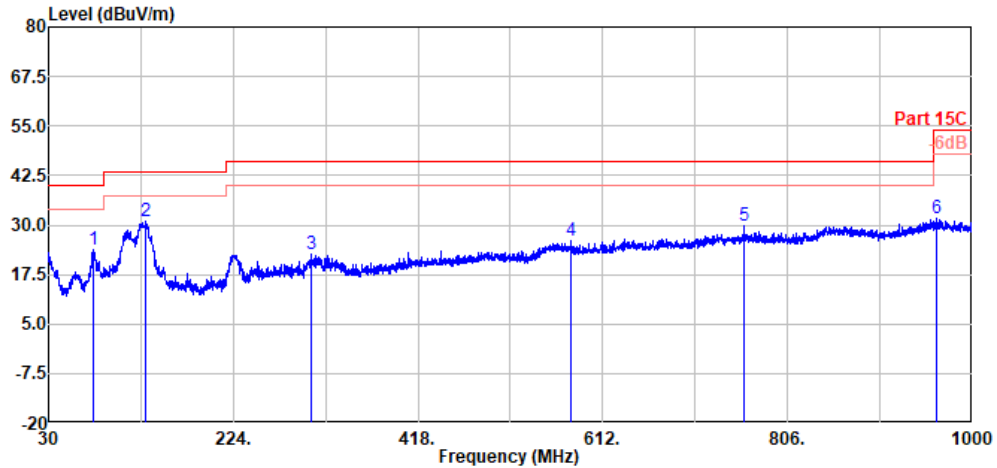
Site : 03CH02-KS
Condition: FCC - WPT 3m CBL6111D SN 59915 Vertical

	Freq	Level	Limit	Over	Read	Ant	Cable	Preamp	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	57.89	34.38	40.00	-5.62	54.06	12.29	0.76	32.73	---	---	Peak
2	77.53	35.49	40.00	-4.51	53.77	13.39	1.00	32.67	100	323	Peak
3	142.28	29.26	43.50	-14.24	42.88	17.65	1.48	32.75	---	---	Peak
4	297.96	30.75	46.00	-15.25	41.93	19.49	2.17	32.84	---	---	Peak
5	505.06	27.30	46.00	-18.70	33.12	24.50	2.82	33.14	---	---	Peak
6	961.69	31.71	54.00	-22.29	27.96	31.36	3.90	31.51	---	---	Peak



Mode 14:

Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Horizontal	Relative Humidity :	45~46%

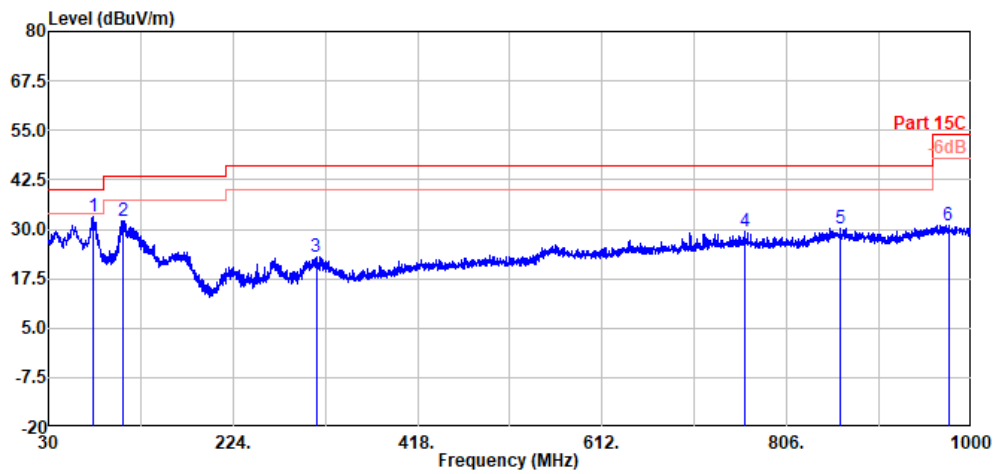


Site : 03CH02-KS
Condition: Part 15C 3m CBL6111D 49921 Horizontal

	Freq	Level	Limit	Over	Read	Ant	Cable	Preamp	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	dB	dBuV	dB/m	dB	dB	cm	deg	
1	77.29	23.76	40.00	-16.24	42.33	13.12	0.99	32.68	---	---	Peak
2	132.34	30.87	43.50	-12.63	44.66	17.52	1.43	32.74	---	---	Peak
3	306.21	22.76	46.00	-23.24	34.28	19.12	2.20	32.84	---	---	Peak
4	578.29	26.02	46.00	-19.98	30.49	25.72	3.03	33.22	---	---	Peak
5	760.90	29.66	46.00	-16.34	31.30	27.94	3.48	33.06	---	---	Peak
6	963.14	31.57	54.00	-22.43	28.67	30.48	3.91	31.49	---	---	Peak



Test Engineer :	Moon	Temperature :	21~22°C
Polarization :	Vertical	Relative Humidity :	45~46%



Site : 03CH02-KS
Condition: Part 15C 3m CBL6111D 49921 Vertical

	Freq	Level	Limit	Over	Read	Ant	Cable	Preamp	APos	TPos	Remark
	MHz	dBuV/m	dBuV/m	Limit	Level	Factor	Loss	Factor	cm	deg	
1	76.32	33.02	40.00	-6.98	51.66	13.06	0.98	32.68	---	---	Peak
2	108.09	31.99	43.50	-11.51	46.74	16.67	1.31	32.73	---	---	Peak
3	311.30	22.94	46.00	-23.06	34.36	19.21	2.22	32.85	---	---	Peak
4	761.14	29.36	46.00	-16.64	30.99	27.94	3.48	33.05	---	---	Peak
5	862.50	30.30	46.00	-15.70	29.67	29.32	3.70	32.39	---	---	Peak
6	975.75	30.97	54.00	-23.03	28.03	30.36	3.93	31.35	---	---	Peak

3.3 AC Conducted Emission Measurement

3.3.1 Limits of AC Conducted Emission

For equipment that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table.

Frequency of Emission (MHz)	Conducted Limit (dB μ V)	
	Quasi-Peak	Average
0.15-0.5	66 to 56*	56 to 46*
0.5-5	56	46
5-30	60	50

*Decreases with the logarithm of the frequency.

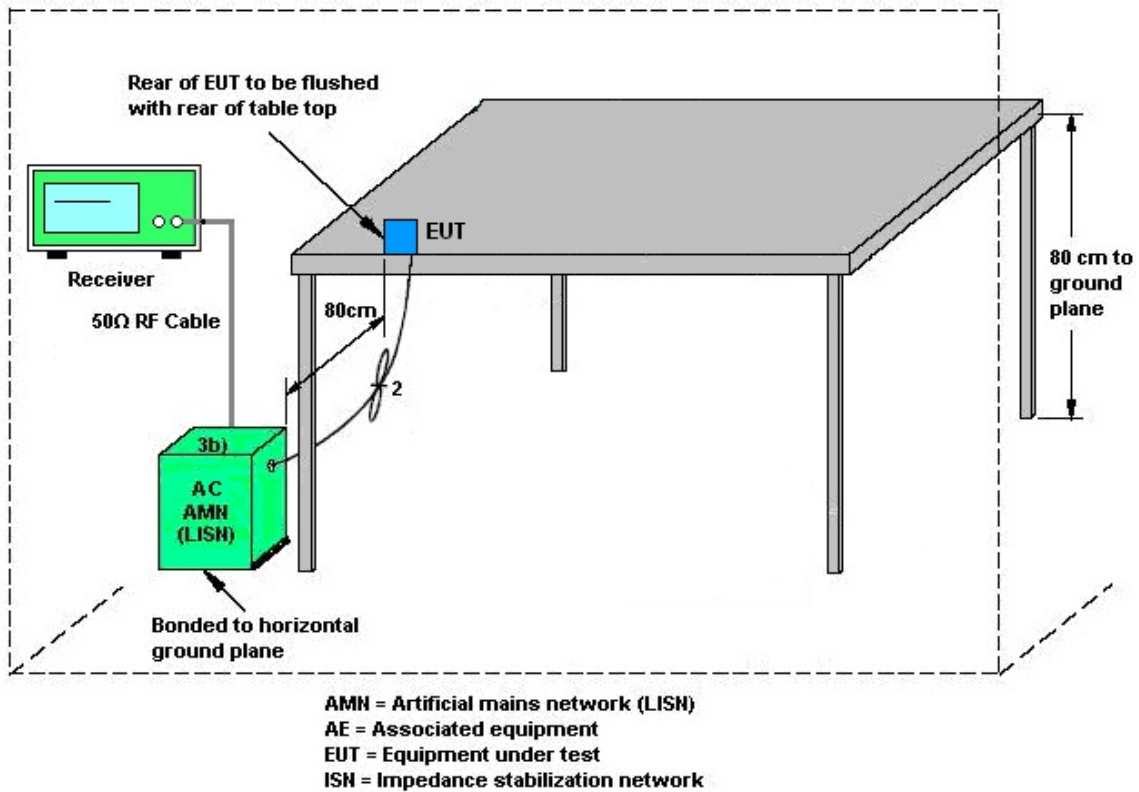
3.3.2 Measuring Instruments

See list of measuring equipment of this test report.

3.3.3 Test Procedure

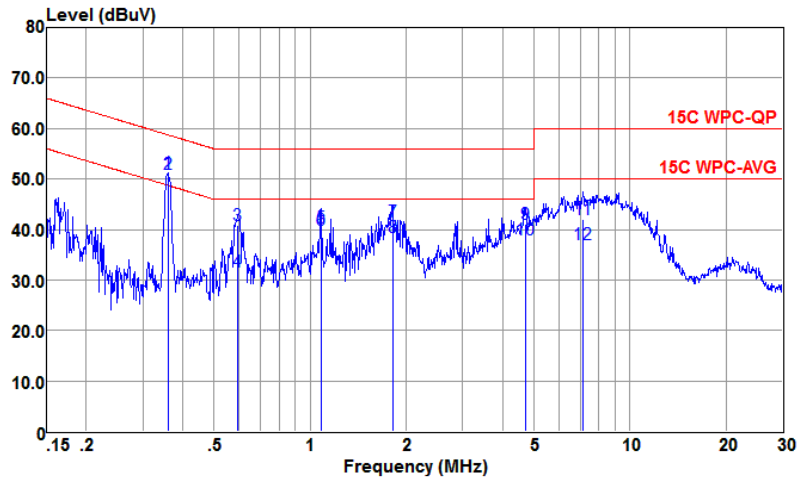
1. The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connecting to the other LISN.
4. The LISN provides 50 ohm coupling impedance for the measuring instrument.
5. The FCC states that a 50 ohm, 50 microhenry LISN should be used.
6. Both sides of AC line were checked for maximum conducted interference.
7. The frequency range from 150 kHz to 30 MHz was searched.
8. Set the test-receiver system to Peak Detect Function and specified bandwidth (IF Bandwidth = 9kHz) with Maximum Hold Mode. Then measurement is also conducted by Average Detector and Quasi-Peak Detector Function respectively.

3.3.4 Test Setup



3.3.5 Test Result of AC Conducted Emission

Test Engineer :	Amos	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : 15C WPC-QP LISN-100334-L+CABLE LINE

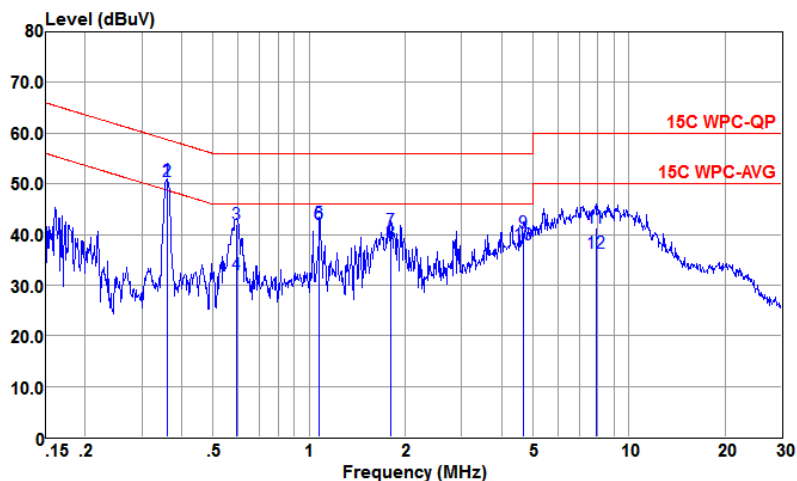
	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
	MHz	dBuV	dB	dBuV	dBuV	dB	dB	
1	0.360	51.22			31.10	9.63	10.49	QP
2 *	0.360	50.92			30.80	9.63	10.49	Average
3	0.592	40.72	-15.28	56.00	20.49	9.72	10.51	QP
4	0.592	31.52	-14.48	46.00	11.29	9.72	10.51	Average
5	1.082	40.37	-15.63	56.00	20.10	9.70	10.57	QP
6	1.082	39.87	-6.13	46.00	19.60	9.70	10.57	Average
7	1.810	41.51	-14.49	56.00	21.20	9.77	10.54	QP
8	1.810	38.51	-7.49	46.00	18.20	9.77	10.54	Average
9	4.721	41.02	-14.98	56.00	20.60	9.92	10.50	QP
10	4.721	37.92	-8.08	46.00	17.50	9.92	10.50	Average
11	7.137	41.97	-18.03	60.00	21.10	10.31	10.56	QP
12	7.137	36.97	-13.03	50.00	16.10	10.31	10.56	Average

(1) with antenna

Remark: 0.360MHz is the WPT RF fundamental signal.



Test Engineer :	Amos	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS

Condition : 15C WPC-QP LISN-100334-N+CABLE NEUTRAL

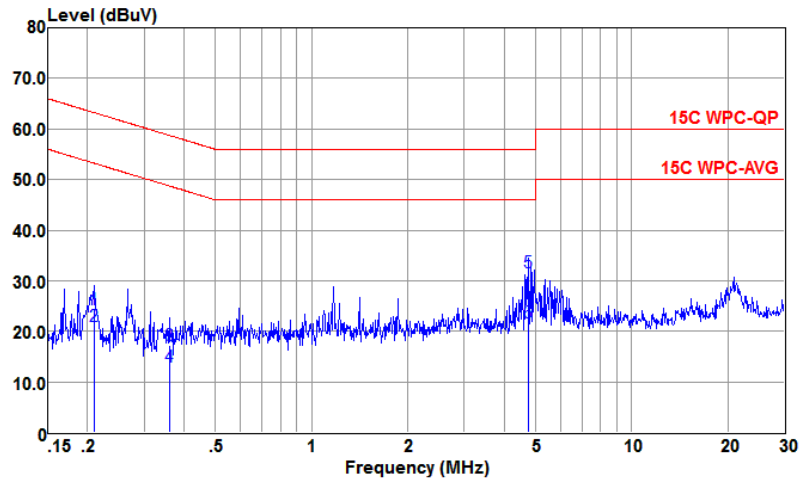
	Freq	Level	Over	Limit	Read	LISN	Cable	Remark
	MHz	dBuV	Limit	Line	Level	Factor	Loss	
1	0.360	50.82			30.70	9.63	10.49	QP
2 *	0.360	50.62			30.50	9.63	10.49	Average
3	0.592	42.01	-13.99	56.00	21.81	9.69	10.51	QP
4	0.592	32.10	-13.90	46.00	11.90	9.69	10.51	Average
5	1.077	42.16	-13.84	56.00	21.90	9.69	10.57	QP
6	1.077	41.96	-4.04	46.00	21.70	9.69	10.57	Average
7	1.800	40.92	-15.08	56.00	20.61	9.77	10.54	QP
8	1.800	38.52	-7.48	46.00	18.21	9.77	10.54	Average
9	4.696	40.35	-15.65	56.00	19.90	9.95	10.50	QP
10	4.696	37.95	-8.05	46.00	17.50	9.95	10.50	Average
11	7.893	41.36	-18.64	60.00	20.51	10.30	10.55	QP
12	7.893	36.36	-13.64	50.00	15.51	10.30	10.55	Average

(1) with antenna

Remark: 0.360MHz is the WPT RF fundamental signal.



Test Engineer :	Amos	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Line
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS
Condition : 15C WPC-QP LISN-100334-L+CABLE LINE

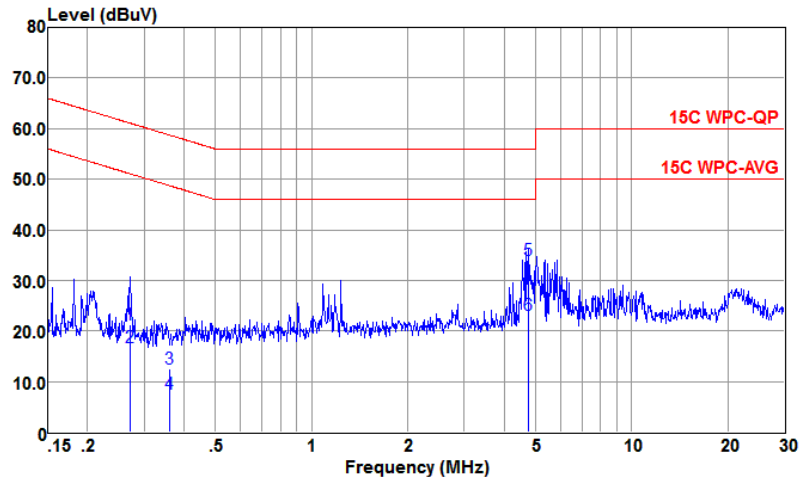
	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.209	24.32	-38.91	63.23	4.20	9.64	10.48	QP
2	0.209	20.92	-32.31	53.23	0.80	9.64	10.48	Average
3	0.360	17.32	-41.42	58.74	-2.80	9.63	10.49	QP
4	0.360	12.92	-35.82	48.74	-7.20	9.63	10.49	Average
5	4.772	31.62	-24.38	56.00	11.20	9.92	10.50	QP
6 *	4.772	21.72	-24.28	46.00	1.30	9.92	10.50	Average

(2) With dummy load

Remark: Only the fundamental WPT signal needs to be retested per KDB 174176.



Test Engineer :	Amos	Temperature :	24.2~25.6°C
		Relative Humidity :	37~39%
Test Voltage :	120Vac / 60Hz	Phase :	Neutral
Remark :	All emissions not reported here are more than 10 dB below the prescribed limit.		



Site : CO01-KS

Condition : 15C WPC-QP LISN-100334-N+CABLE NEUTRAL

	Freq	Level	Over	Limit	Read	LISN	Cable	
	MHz	dBuV	Limit	Line	Level	Factor	Loss	Remark
			dB	dBuV	dBuV	dB	dB	
1	0.272	21.25	-39.82	61.07	1.20	9.57	10.48	QP
2	0.272	16.85	-34.22	51.07	-3.20	9.57	10.48	Average
3	0.360	12.62	-46.12	58.74	-7.50	9.63	10.49	QP
4	0.360	7.62	-41.12	48.74	-12.50	9.63	10.49	Average
5 *	4.772	34.06	-21.94	56.00	13.61	9.95	10.50	QP
6	4.772	23.06	-22.94	46.00	2.61	9.95	10.50	Average

(2) With dummy load

Remark: Only the fundamental WPT signal needs to be retested per KDB 174176.

Note:

- Level(dBμV) = Read Level(dBμV) + LISN Factor(dB) + Cable Loss(dB)
- Over Limit(dB) = Level(dBμV) – Limit Line(dBμV)



3.4 Antenna Requirements

3.4.1 Standard Applicable

Except for special regulations, the Low-power Radio-frequency Devices must not be equipped with any jacket for installing an antenna with extension cable. 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 shall be considered sufficient to comply with the provisions of this Section. The manufacturer may design the unit so that the user can replace a broken antenna, but the use of a standard antenna jack or electrical connector is prohibited.

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the rule.

3.4.2 Antenna Anti-Replacement Construction

An embedded-in antenna design is used.



4 List of Measuring Equipment

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Test Date	Due Date	Remark
EMI Test Receiver	Keysight	N9038A	MY56400004	3Hz~8.5GHz;Max 30dBm	Oct. 10, 2025	Aug. 05, 2026~Aug. 26, 2026	Oct. 09, 2026	Radiation (03CH02-KS)
EXA Spectrum Analyzer	Keysight	N9010A	MY55370528	10Hz~44G,MAX 30dB	Oct. 10, 2025	Aug. 05, 2026~Aug. 26, 2026	Oct. 09, 2026	Radiation (03CH02-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Aug. 10, 2025	Aug. 05, 2026~Aug. 26, 2026	Aug. 09, 2026	Radiation (03CH02-KS)
Loop Antenna	R&S	HFH2-Z2E	101125	9kHz~30MHz	Aug. 09, 2026		Aug. 08, 2027	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	59915	30MHz~1GHz	Aug. 12, 2025	Aug. 05, 2026~Aug. 26, 2026	Aug. 11, 2026	Radiation (03CH02-KS)
Bilog Antenna	TeseQ	CBL6111D	59915	30MHz~1GHz	Aug. 11, 2026		Aug. 10, 2027	Radiation (03CH02-KS)
Amplifier	SONOMA	310N	413740	9KHz~1GHz	Dec. 25, 2025	Aug. 05, 2026~Aug. 26, 2026	Dec. 24, 2026	Radiation (03CH02-KS)
AC Power Source	Chroma	61601	616010002473	N/A	NCR	Aug. 05, 2026~Aug. 26, 2026	NCR	Radiation (03CH02-KS)
Turn Table	MF	MF7802	N/A	0~360 degree	NCR	Aug. 05, 2026~Aug. 26, 2026	NCR	Radiation (03CH02-KS)
Antenna Mast	MF	MF7802	N/A	1 m~4 m	NCR	Aug. 05, 2026~Aug. 26, 2026	NCR	Radiation (03CH02-KS)
EMI Receiver	R&S	ESCI7	100768	9kHz~7GHz;	Apr. 08, 2026	Aug. 04, 2026~Aug. 26, 2026	Apr. 07, 2027	Conduction (CO01-KS)
AC LISN (for auxiliary equipment)	MessTec	AN3016	060103	9kHz~30MHz	Jul. 03, 2026	Aug. 04, 2026~Aug. 26, 2026	Jul. 02, 2027	Conduction (CO01-KS)
AC LISN	R&S	ENV216	100334	9kHz~30MHz	Apr. 08, 2026	Aug. 04, 2026~Aug. 26, 2026	Apr. 07, 2027	Conduction (CO01-KS)
AC Power Source	Ouhan	APW-130NYT	202201040060	AC 0V~300V,45Hz~1000Hz	Apr. 08, 2026	Aug. 04, 2026~Aug. 26, 2026	Apr. 07, 2027	Conduction (CO01-KS)
Spectrum Analyzer	R&S	FSV40	101040	10Hz~40GHz	Jul. 07, 2026	Jul. 16, 2026~Aug. 25, 2026	Jul. 06, 2027	Conducted (TH01-KS)

NCR: No Calibration Required



5 Measurement Uncertainty

Uncertainty of Conducted Measurement

Occupied Channel Bandwidth	$\pm 0.42\%$
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Uncertainty of AC Conducted Emission Measurement (150 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.09dB
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Uncertainty of Radiated Emission Measurement (9 kHz ~ 30 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	3.30dB
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Uncertainty of Radiated Emission Measurement (30 MHz ~ 1000 MHz)

Measuring Uncertainty for a Level of Confidence of 95% ($U = 2Uc(y)$)	6.26dB
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----- THE END -----