

FCC Test Report

Report No.: RFAQOT-WTW-P22050457

FCC ID: 2AEEV-OBFTC0120A

Test Model: OBFTC-0120-A

Received Date: May 19, 2022

Test Date: May 28 ~ Aug. 23, 2022

Issued Date: Oct. 12, 2022

Applicant: Otter Products, LLC.

Address: 209 South Meldrum Street, Fort Collins, CO 80521

Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
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FCC Registration / 788550 / TW0003
Designation Number:



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Release Control Record

Issue No.	Description	Date Issued
RFAQOT-WTW-P22050457	Original release	Oct. 12, 2022

1 Certificate of Conformity

Product: 2-in-1 Power Bank with MagSafe

Brand: OTTERBOX

Test Model: OBFTC-0120-A

Sample Status: Engineering sample

Applicant: Otter Products, LLC.

Test Date: May 28 ~ Aug. 23, 2022

Standards: 47 CFR FCC Part 15, Subpart C (Section 15.209)
ANSI C63.10: 2013

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : Celine Chou , **Date:** Oct. 12, 2022
Celine Chou / Senior Specialist

Approved by : Jeremy Lin , **Date:** Oct. 12, 2022
Jeremy Lin / Project Engineer

2 Summary of Test Results

47 CFR FCC Part 15, Subpart C (Section 15.209)

FCC Clause	Test Item	Result	Remarks
15.207	AC Power Conducted Emission	Pass	Meet the requirement of limit. Minimum passing margin is -12.77dB at 0.15400MHz.
15.209	Radiated Emission Test	Pass	Meet the requirement of limit. Minimum passing margin is -6.1dB at 97.9070MHz

Note: Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) ($\pm$)
Conducted Emissions at mains ports	150kHz ~ 30MHz	2.79 dB
Radiated Emissions up to 1 GHz	9kHz ~ 30MHz	2.44 dB
	30MHz ~ 200MHz	2.93 dB
	200MHz ~ 1000MHz	2.95 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	2-in-1 Power Bank with MagSafe
Brand	OTTERBOX
Test Model	OBFTC-0120-A
Sample Status	Engineering sample
Power Supply Rating	5~12Vdc (adapter or host equipment) 3.635Vdc (battery)
Modulation Type	ASK
Operating Frequency	127.7kHz, 326.5kHz, 360.0kHz, 1.778MHz Magsafe module: 360.0kHz / 15W, for new iPhone (12 series up) 127.7kHz / 7.5W, for legacy iPhone (11 series and before) Watch module: 1.778MHz / 5W, for new Apple watch (7 series) 326.5kHz / 5W, for legacy Apple watch (6 series and before)
Antenna Type	Watch inductive coil antenna MagSafe inductive coil antenna
Field Strength	127.7kHz: -20.9dBuV/m (PK) (300m) -21.2dBuV/m (AV) (300m) 360.0kHz: -35.2dBuV/m (PK) (300m) -35.5dBuV/m (AV) (300m) 326.5kHz: -29.6dBuV/m (PK) (300m) -31.9dBuV/m (AV) (300m) 1.778MHz: 3.5dBuV/m (QP) (30m)
Accessory Device	Refer to Note as below
Data Cable Supplied	Refer to Note as below
Maximum Power Output for Apple watch charging coil	5W
Maximum Power Output for Apple iPhone charging coil	15W

Note:

1. The EUT contains following accessory devices.

Item	Brand	Model	Description
Battery	LG ENERGY SOLUTION, LTD.	INR18650MJ1	3.635Vdc, 3500mAh
USB type C to type C Cable	CE-LINK	110138001104	0.5m shielded USB type C to type C Cable

2. Due to radiated measurements are made and the antenna gain is already accounted for this device, so provide an antenna datasheet and/or antenna measurement report is not required. The antenna dimensions and pictures (include antenna wire length if have) are stated in EUT photo exhibit.

3.2 Description of Test Modes

4 Frequency tested to this EUT.

Test Frequency
127.7kHz
326.5kHz
360.0kHz
1.778MHz

3.2.1 Test Mode Applicability and Tested Channel Detail

EUT configure mode	Applicable to			Description
	RE<1G	PLC	BW	
A	√	√	√	Charging Mode (EUT wireless charging to iPhone 11) - 127.7kHz
B	√	√	√	Charging Mode (EUT wireless charging to iPhone 12) - 360.0kHz
C	√	√	√	Charging Mode (EUT wireless charging to Apple Watch SE) - 326.5kHz
D	√	√	√	Charging Mode (EUT wireless charging to Apple Watch series 7) - 1.778MHz
E	√	√	-	Charging Mode (EUT wireless charging to iPhone 11 and Apple Watch SE) - 127.7kHz + 326.5kHz
F	√	√	-	Charging Mode (EUT wireless charging to iPhone 11 and Apple Watch series 7) - 127.7kHz + 1.778MHz
G	√	√	-	Charging Mode (EUT wireless charging to iPhone 12 and Apple Watch SE) - 360.0kHz + 326.5kHz
H	√	√	-	Charging Mode (EUT wireless charging to iPhone 12 and Apple Watch series 7) - 360.0kHz + 1.778MHz
I	√	√	-	Standby Mode

Where **RE<1G**: Radiated Emission below 1GHz

PLC: Power Line Conducted Emission

BW: 20dB Bandwidth

Note: The EUT was powered by notebook or adapter. After pre-tested, powered by adapter was the worst case and chosen for final test.

Radiated Emission Test (Below 1GHz):

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Tested Frequency
A	127.7kHz
B	360.0kHz
C	326.5kHz
D	1.778MHz
E	127.7kHz, 326.5kHz
F	127.7kHz, 1.778MHz
G	360.0kHz, 326.5kHz
H	360.0kHz, 1.778MHz
I	-

Power Line Conducted Emission Test:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Tested Frequency
A	127.7kHz
B	360.0kHz
C	326.5kHz
D	1.778MHz
E	127.7kHz, 326.5kHz
F	127.7kHz, 1.778MHz
G	360.0kHz, 326.5kHz
H	360.0kHz, 1.778MHz
I	-

20dB Bandwidth Test:

- ☒ Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates and antenna ports (if EUT with antenna diversity architecture).
- ☒ Following channel(s) was (were) selected for the final test as listed below.

EUT Configure Mode	Tested Frequency
A	127.7kHz
B	360.0kHz
C	326.5kHz
D	1.778MHz

Test Condition:

Applicable To	Environmental Conditions	Input Power	Tested by
RE<1G	21 deg. C, 74% RH	120Vac, 60Hz	Vincent Chen Thomas Cheng
PLC	23 deg. C, 66% RH 25 deg. C, 67% RH	120Vac, 60Hz	Thomas Cheng
BW	21 deg. C, 74% RH	120Vac, 60Hz	Vincent Chen

3.3 Description of Support Units

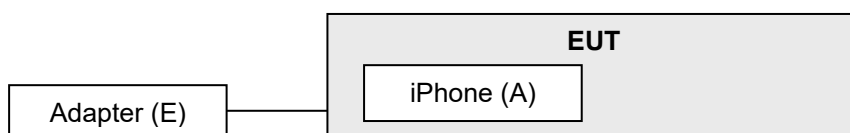
The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	iPhone	APPLE	A2215	C39YT0B4N2RQ	BCG-E3307A	iPhone 11
B.	iPhone	APPLE	A2403	G6TDF1RK0F11	BCG-E3544A	iPhone 12
C.	Apple Watch	APPLE	A2355	DVPCT002QD41	BCG-A2355	Apple Watch SE
D.	Apple Watch	APPLE	A2473	L3792QNW99	BCG-A2473	Apple Watch series 7
E.	Adapter	APPLE	A2305	NA	NA	-

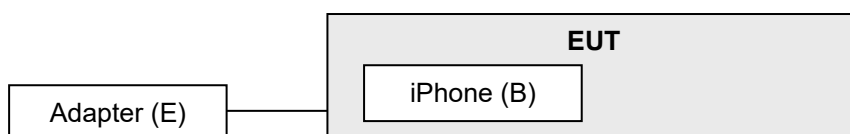
3.3.1 Configuration of System under Test

Charging Mode:

Test Mode A



Test Mode B



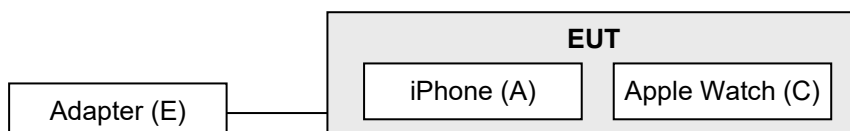
Test Mode C



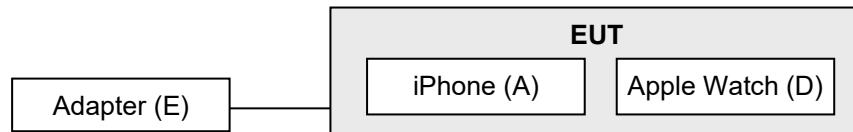
Test Mode D



Test Mode E



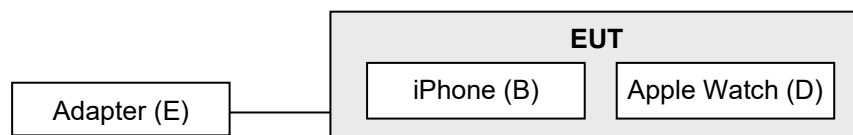
Test Mode F



Test Mode G



Test Mode H



Standby Mode:
Test Mode I



3.4 General Description of Applied Standards

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC Part 15, Subpart C (15.209)

ANSI C63.10-2013

All test items have been performed and recorded as per the above standards.

4 Test Types and Results

4.1 Radiated Emission and Bandedge Measurement

4.1.1 Limits of Radiated Emission and Bandedge Measurement

FOR FREQUENCY BELOW 30MHz

Frequency (MHz)	Field Strength (dBuV/m)		Measurement Distance (meters)
	uV/m	dBuV/m	
0.009 – 0.490	2400 / F (kHz)	48.52-13.80	300
0.490 – 1.705	24000 / F (kHz)	33.80-22.97	30
1.705 – 30.0	30	29.54	30

FOR FREQUENCY BETWEEN 30-1000MHz

Frequency (MHz)	Class A (at 10m)		Class B (at 3m)	
	uV/m	dBuV/m	uV/m	dBuV/m
30-88	90	39.1	100	40.0
88-216	150	43.5	150	43.5
216-960	210	46.4	200	46.0
Above 960	300	49.5	500	54.0

4.1.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Spectrum Analyzer Agilent	N9010A	MY52220314	Dec. 03, 2021	Dec. 02, 2022
Spectrum Analyzer ROHDE & SCHWARZ	FSU43	101261	Apr. 11, 2022	Apr. 10, 2023
Broadband Horn Antenna SCHWARZBECK	BBHA 9170	148	Nov. 14, 2021	Nov. 13, 2022
HORN Antenna SCHWARZBECK	BBHA 9120D	9120D-969	Nov. 14, 2021	Nov. 13, 2022
BILOG Antenna SCHWARZBECK	VULB 9168	9168-472	Oct. 28, 2021	Oct. 27, 2022
Fixed Attenuator WOKEN	MDCS18N-10	MDCS18N-10-01	Apr. 05, 2022	Apr. 04, 2023
Loop Antenna TESEQ	HLA 6121	45745	Jul. 21, 2021	Jul. 20, 2022
			Jul. 27, 2022	Jul. 26, 2023
Preamplifier EMCI	EMC001340	980201	Sep. 15, 2021	Sep. 14, 2022
Preamplifier EMCI	EMC 012645	980115	Oct. 05, 2021	Oct. 04, 2022
Preamplifier EMCI	EMC 184045	980116	Oct. 05, 2021	Oct. 04, 2022
Preamplifier EMCI	EMC 330H	980112	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable EMCI	EMC104-SM-SM-8000	171005	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable HUBER+SUHNNER	SUCOFLEX 104	EMC104-SM-SM-1000 (140807)	Oct. 05, 2021	Oct. 04, 2022
RF Coaxial Cable WOKEN	8D-FB	Cable-Ch10-01	Oct. 05, 2021	Oct. 04, 2022
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
Software BV ADT	E3 6.120103	NA	NA	NA
Antenna Tower MF	MFA-440H	NA	NA	NA
Turn Table MF	MFT-201SS	NA	NA	NA
Antenna Tower & Turn Table Controller MF	MF-7802	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.
 2. The test was performed in HY - 966 chamber 5.
 3. Test Date: May 28, 2022 and Aug. 22 ~ Aug. 23, 2022

4.1.3 Test Procedures

For Radiated emission below 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter chamber room. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. Parallel, perpendicular, and Ground-Parallel orientations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Quasi-Peak Detect Function and Specified Bandwidth with Maximum Hold Mode, except for the frequency band (9kHz-90kHz, 110kHz-490kHz) set to average detect function and peak detect function.

Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 9kHz at frequency below 30MHz.

For Radiated emission above 30MHz

- a. The EUT was placed on the top of a rotating table 0.8 meters (for below 1GHz) / 1.5 meters (for above 1GHz) above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The height of antenna 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.
- d. 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 and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to quasi-peak detect function and specified bandwidth with maximum hold mode when the test frequency is below 1 GHz.
- f. The test-receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz. If the peak reading value also meets average limit, measurement with the average detector is unnecessary.

Note:

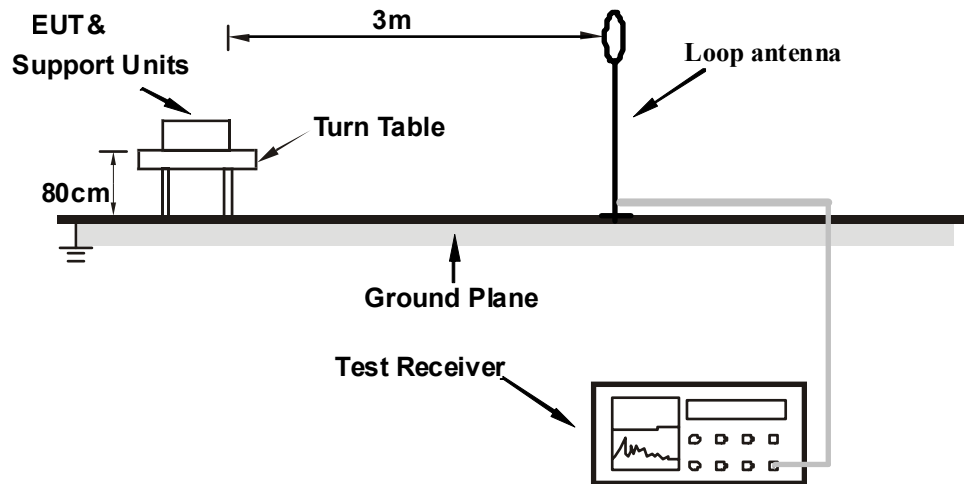
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120kHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 Deviation from Test Standard

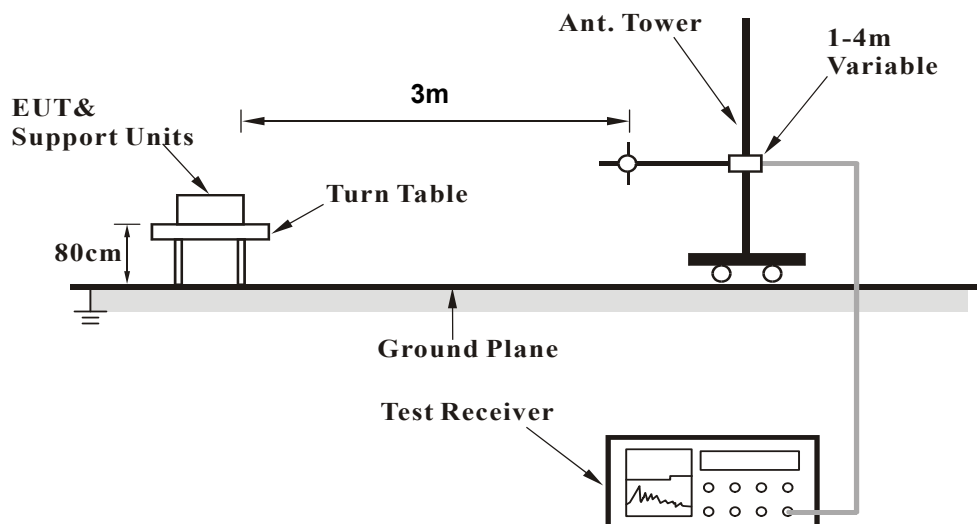
No deviation.

4.1.5 Test Set Up

For Radiated emission below 30MHz



For Radiated emission 30MHz to 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.1.6 EUT Operating Conditions

Charging Mode:

- The EUT powered by adapter.
- Put the iPhone and Apple Watch on the EUT (wireless charging) during the test.

Standby Mode:

- The EUT powered by adapter.

4.1.7 Test Results

Below 30MHz Data:

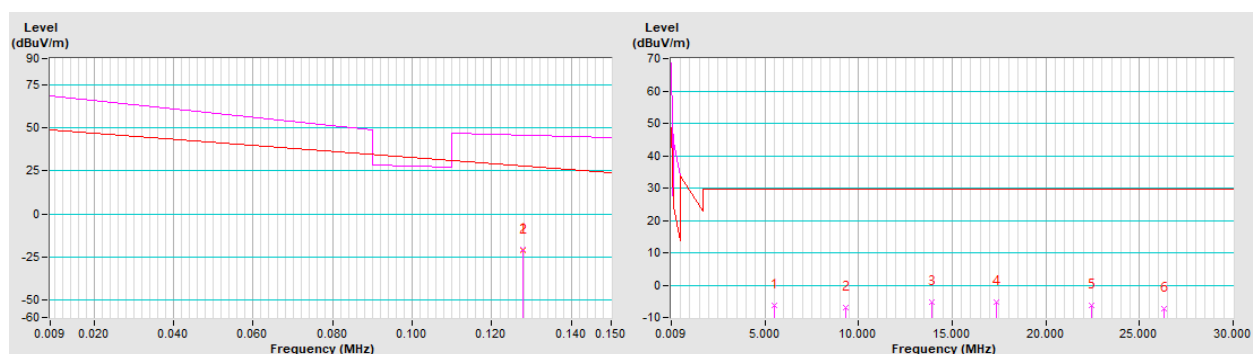
Charging Mode

Tested Frequency	127.7kHz	Detector Function	Peak (PK) Average (AV) Quasi-Peak (QP)
Frequency Range	9kHz ~ 30MHz		
Test Mode	A		

Antenna Polarity & Test Distance: Loop antenna Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-20.9 PK	45.5	-66.4	1.00	231	39.3	-60.2
2	*0.1277	-21.2 AV	25.5	-46.7	1.00	231	39.0	-60.2
3	5.4974	-6.3 QP	29.5	-35.8	1.00	112	13.3	-19.6
4	9.3062	-6.9 QP	29.5	-36.4	1.00	60	11.4	-18.3
5	13.8948	-5.2 QP	29.5	-34.7	1.00	81	12.8	-18.0
6	17.3738	-5.3 QP	29.5	-34.8	1.00	320	12.6	-17.9
7	22.4123	-6.3 QP	29.5	-35.8	1.00	17	11.5	-17.8
8	26.3411	-7.3 QP	29.5	-36.8	1.00	252	10.6	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

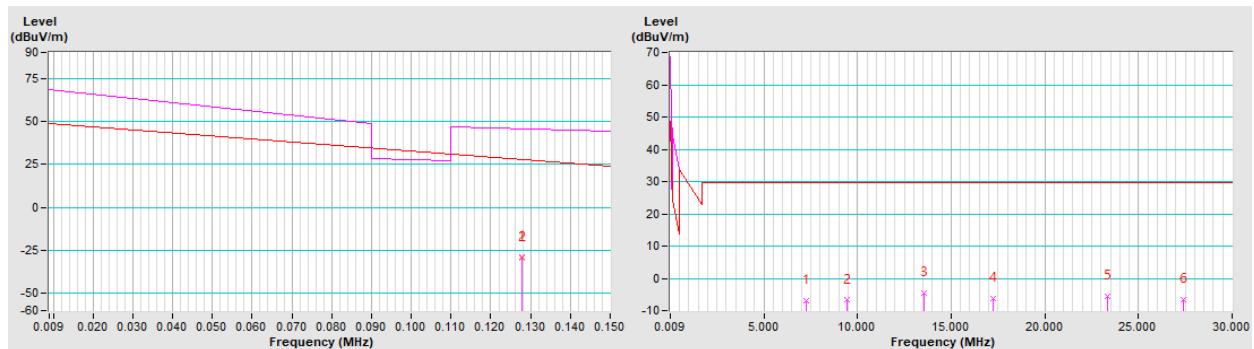


Tested Frequency	127.7kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	A		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Perpendicular at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-29.0 PK	45.5	-74.5	1.00	212	31.2	-60.2
2	*0.1277	-29.3 AV	25.5	-54.8	1.00	212	30.9	-60.2
3	7.2368	-6.9 QP	29.5	-36.4	1.00	337	12.1	-19.0
4	9.4262	-6.8 QP	29.5	-36.3	1.00	116	11.5	-18.3
5	13.5349	-4.5 QP	29.5	-34.0	1.00	187	13.5	-18.0
6	17.2238	-6.3 QP	29.5	-35.8	1.00	258	11.6	-17.9
7	23.3420	-5.6 QP	29.5	-35.1	1.00	309	12.3	-17.9
8	27.4208	-6.7 QP	29.5	-36.2	1.00	105	11.2	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

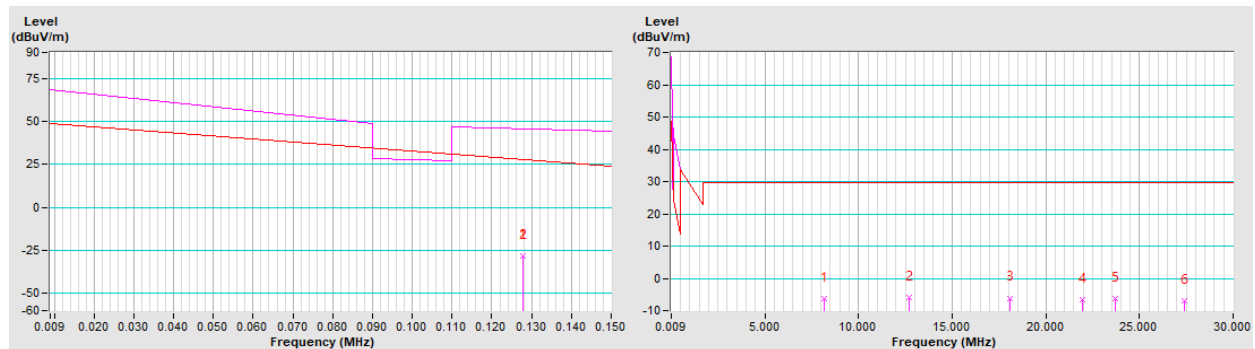


Tested Frequency	127.7kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	A		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Ground-Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-28.2 PK	45.5	-73.7	1.00	134	32.0	-60.2
2	*0.1277	-28.5 AV	25.5	-54.0	1.00	134	31.7	-60.2
3	8.1666	-6.3 QP	29.5	-35.8	1.00	193	12.4	-18.7
4	12.6952	-5.8 QP	29.5	-35.3	1.00	2	12.2	-18.0
5	18.0936	-6.1 QP	29.5	-35.6	1.00	254	11.8	-17.9
6	21.9324	-6.5 QP	29.5	-36.0	1.00	129	11.3	-17.8
7	23.7319	-6.2 QP	29.5	-35.7	1.00	240	11.7	-17.9
8	27.4208	-6.8 QP	29.5	-36.3	1.00	132	11.1	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

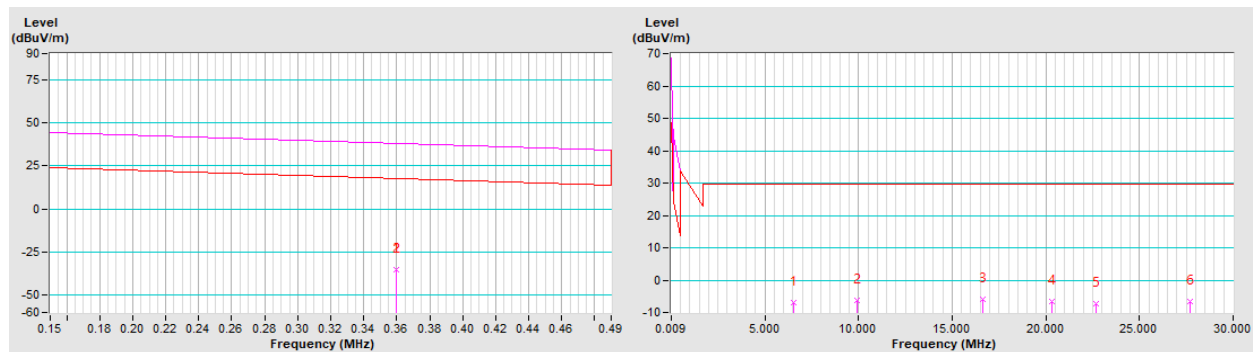


Tested Frequency	360.0kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	B		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3600	-35.2 PK	36.5	-71.7	1.00	164	24.5	-59.7
2	*0.3600	-35.5 AV	16.5	-52.0	1.00	164	24.2	-59.7
3	6.5470	-6.9 QP	29.5	-36.4	1.00	276	12.4	-19.3
4	9.9360	-6.4 QP	29.5	-35.9	1.00	333	11.7	-18.1
5	16.6540	-5.8 QP	29.5	-35.3	1.00	2	12.1	-17.9
6	20.3429	-6.6 QP	29.5	-36.1	1.00	177	11.2	-17.8
7	22.6822	-7.3 QP	29.5	-36.8	1.00	232	10.6	-17.9
8	27.6907	-6.7 QP	29.5	-36.2	1.00	326	11.3	-18.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

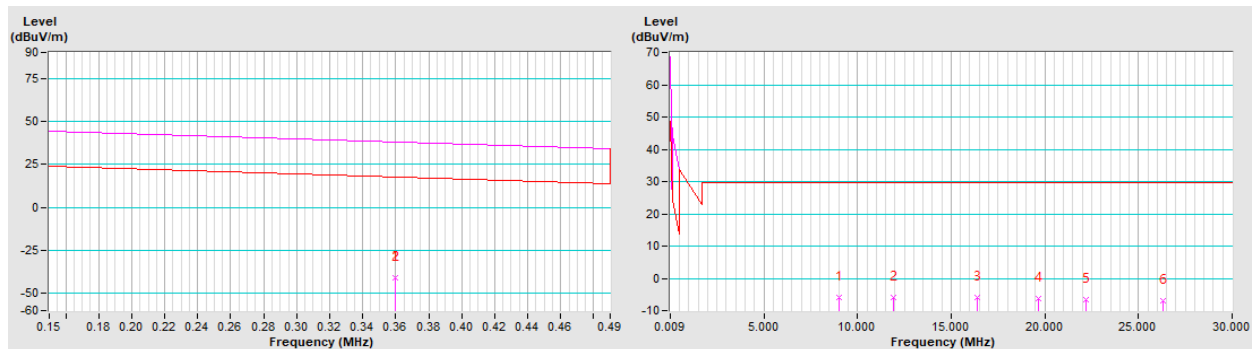


Tested Frequency	360.0kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	B		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Perpendicular at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3600	-40.7 PK	36.5	-77.2	1.00	26	19.0	-59.7
2	*0.3600	-41.1 AV	16.5	-57.6	1.00	26	18.6	-59.7
3	9.0363	-6.1 QP	29.5	-35.6	1.00	81	12.3	-18.4
4	11.9154	-5.9 QP	29.5	-35.4	1.00	115	12.1	-18.0
5	16.4141	-6.0 QP	29.5	-35.5	1.00	58	11.9	-17.9
6	19.6831	-6.3 QP	29.5	-35.8	1.00	74	11.5	-17.8
7	22.2023	-6.5 QP	29.5	-36.0	1.00	182	11.3	-17.8
8	26.3411	-6.9 QP	29.5	-36.4	1.00	324	11.0	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
 Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
 For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

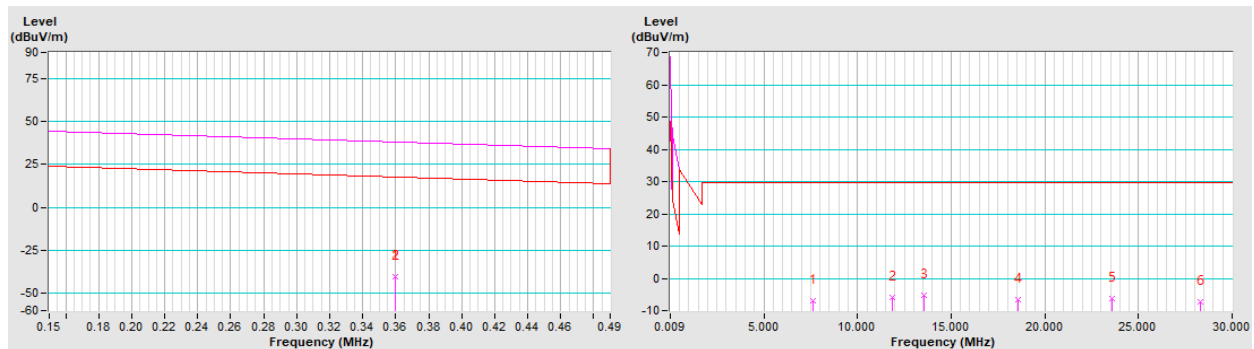


Tested Frequency	360.0kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	B		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Ground-Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3600	-40.2 PK	36.5	-76.7	1.00	274	19.5	-59.7
2	*0.3600	-40.6 AV	16.5	-57.1	1.00	274	19.1	-59.7
3	7.6267	-7.1 QP	29.5	-36.6	1.00	113	11.8	-18.9
4	11.8854	-6.1 QP	29.5	-35.6	1.00	170	11.9	-18.0
5	13.5349	-5.4 QP	29.5	-34.9	1.00	317	12.6	-18.0
6	18.5734	-6.6 QP	29.5	-36.1	1.00	174	11.2	-17.8
7	23.6119	-6.2 QP	29.5	-35.7	1.00	32	11.7	-17.9
8	28.2905	-7.4 QP	29.5	-36.9	1.00	272	10.6	-18.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

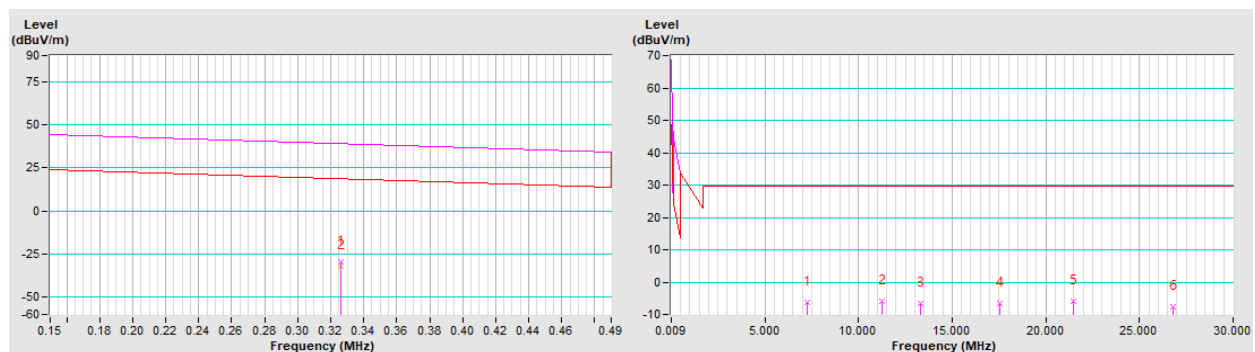


Tested Frequency	326.5kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	C		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3265	-29.6 PK	37.3	-66.9	1.00	197	30.0	-59.6
2	*0.3265	-31.9 AV	17.3	-49.2	1.00	197	27.7	-59.6
3	7.2368	-6.3 QP	29.5	-35.8	1.00	76	12.7	-19.0
4	11.2556	-6.1 QP	29.5	-35.6	1.00	280	12.0	-18.1
5	13.2950	-6.5 QP	29.5	-36.0	1.00	44	11.5	-18.0
6	17.5237	-6.7 QP	29.5	-36.2	1.00	65	11.2	-17.9
7	21.4526	-5.9 QP	29.5	-35.4	1.00	286	11.9	-17.8
8	26.7910	-7.6 QP	29.5	-37.1	1.00	143	10.3	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

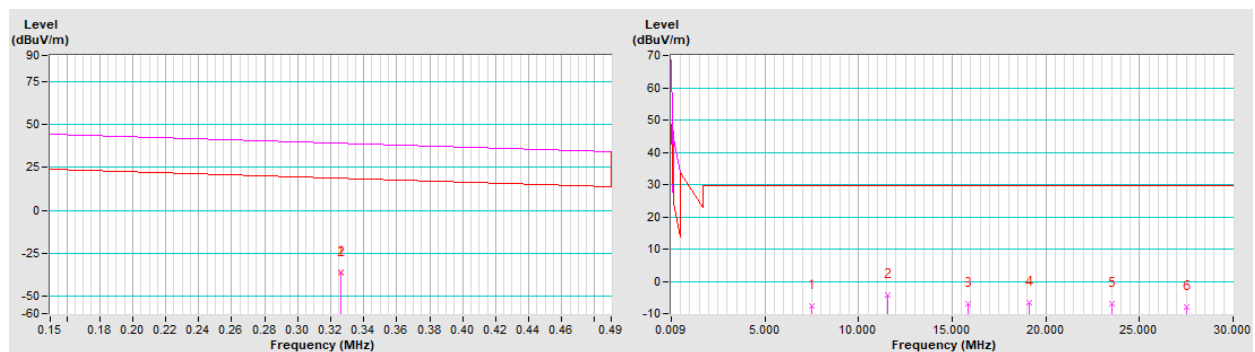


Tested Frequency	326.5kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	C		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Perpendicular at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3265	-36.0 PK	37.3	-73.3	1.00	127	23.6	-59.6
2	*0.3265	-36.3 AV	17.3	-53.6	1.00	127	23.3	-59.6
3	7.4768	-7.6 QP	29.5	-37.1	1.00	300	11.4	-19.0
4	11.5855	-4.3 QP	29.5	-33.8	1.00	261	13.8	-18.1
5	15.8742	-6.9 QP	29.5	-36.4	1.00	296	11.0	-17.9
6	19.1433	-6.7 QP	29.5	-36.2	1.00	6	11.1	-17.8
7	23.5219	-7.0 QP	29.5	-36.5	1.00	327	10.9	-17.9
8	27.5407	-8.0 QP	29.5	-37.5	1.00	0	10.0	-18.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

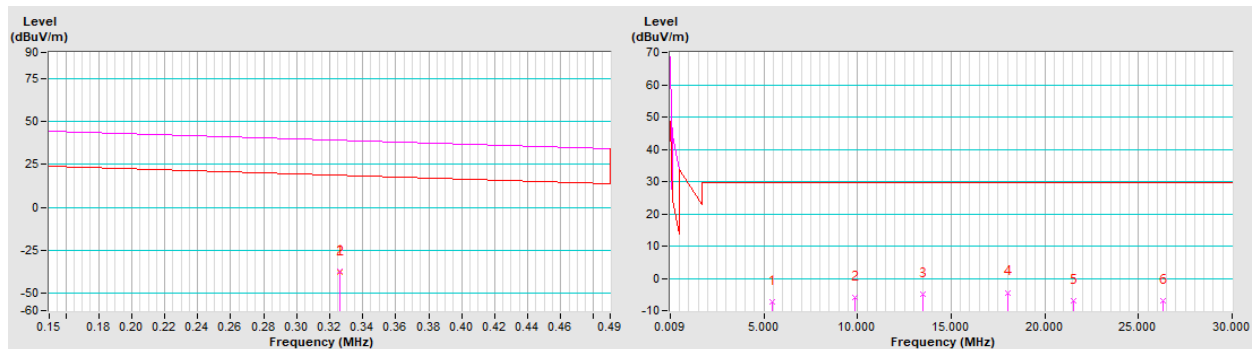


Tested Frequency	326.5kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	C		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Ground-Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3265	-37.4 PK	37.3	-74.7	1.00	278	22.2	-59.6
2	*0.3265	-37.7 AV	17.3	-55.0	1.00	278	21.9	-59.6
3	5.4674	-7.3 QP	29.5	-36.8	1.00	341	12.3	-19.6
4	9.8760	-6.0 QP	29.5	-35.5	1.00	179	12.1	-18.1
5	13.5049	-5.0 QP	29.5	-34.5	1.00	4	13.0	-18.0
6	18.0036	-4.4 QP	29.5	-33.9	1.00	131	13.5	-17.9
7	21.5425	-6.8 QP	29.5	-36.3	1.00	297	11.0	-17.8
8	26.3411	-6.8 QP	29.5	-36.3	1.00	354	11.1	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters
Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

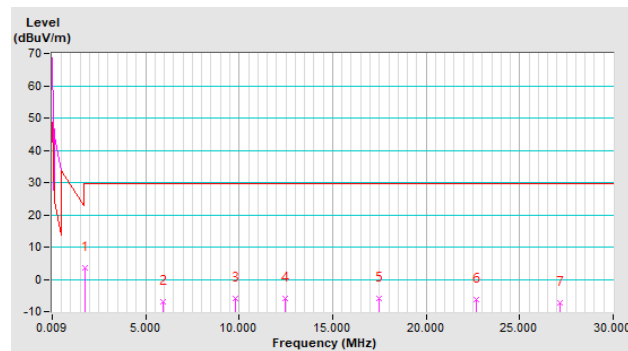


Tested Frequency	1.778MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 30MHz		
Test Mode	D		

Antenna Polarity & Test Distance: Loop antenna Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*1.7780	3.5 QP	29.5	-26.0	1.00	109	23.3	-19.8
2	5.9172	-7.0 QP	29.5	-36.5	1.00	185	12.5	-19.5
3	9.8161	-5.9 QP	29.5	-35.4	1.00	134	12.3	-18.2
4	12.4553	-6.0 QP	29.5	-35.5	1.00	2	12.0	-18.0
5	17.4638	-6.1 QP	29.5	-35.6	1.00	14	11.8	-17.9
6	22.6822	-6.4 QP	29.5	-35.9	1.00	122	11.5	-17.9
7	27.1808	-7.3 QP	29.5	-36.8	1.00	16	10.6	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

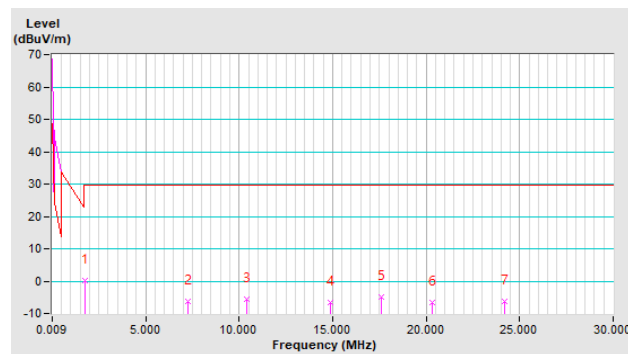


Tested Frequency	1.778MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 30MHz		
Test Mode	D		

Antenna Polarity & Test Distance: Loop antenna Perpendicular at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*1.7780	0.2 QP	29.5	-29.3	1.00	128	20.0	-19.8
2	7.2368	-6.2 QP	29.5	-35.7	1.00	168	12.8	-19.0
3	10.3859	-5.5 QP	29.5	-35.0	1.00	79	12.6	-18.1
4	14.8545	-6.7 QP	29.5	-36.2	1.00	27	11.3	-18.0
5	17.6137	-5.0 QP	29.5	-34.5	1.00	83	12.9	-17.9
6	20.3129	-6.5 QP	29.5	-36.0	1.00	303	11.3	-17.8
7	24.1817	-6.3 QP	29.5	-35.8	1.00	214	11.6	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

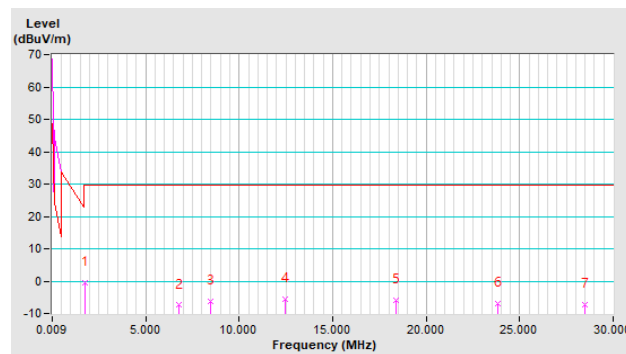


Tested Frequency	1.778MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 30MHz		
Test Mode	D		

Antenna Polarity & Test Distance: Loop antenna Ground-Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*1.7780	-0.6 QP	29.5	-30.1	1.00	92	19.2	-19.8
2	6.7570	-7.5 QP	29.5	-37.0	1.00	186	11.7	-19.2
3	8.4665	-6.3 QP	29.5	-35.8	1.00	278	12.3	-18.6
4	12.4853	-5.5 QP	29.5	-35.0	1.00	281	12.5	-18.0
5	18.3635	-5.9 QP	29.5	-35.4	1.00	120	11.9	-17.8
6	23.8219	-6.8 QP	29.5	-36.3	1.00	269	11.1	-17.9
7	28.4705	-7.4 QP	29.5	-36.9	1.00	2	10.6	-18.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

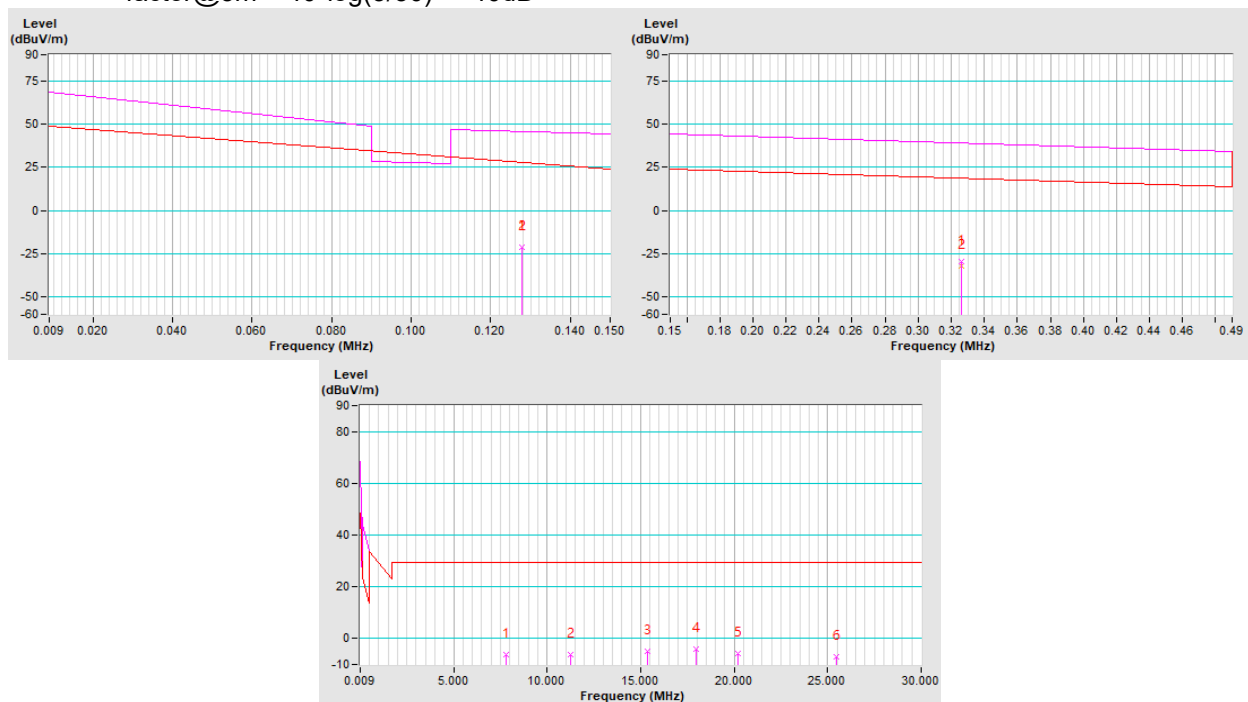


Tested Frequency	127.7kHz, 326.5kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	E		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-21.1 PK	45.5	-66.6	1.00	228	39.2	-60.3
2	*0.1277	-21.4 AV	25.5	-46.9	1.00	228	38.9	-60.3
3	*0.3265	-29.7 PK	37.3	-67.0	1.00	196	30.3	-60.0
4	*0.3265	-32.0 AV	17.3	-49.3	1.00	196	28.0	-60.0
5	7.8367	-6.0 QP	29.5	-35.5	1.00	22	13.0	-19.0
6	11.2556	-6.1 QP	29.5	-35.6	1.00	280	12.1	-18.2
7	15.3644	-4.9 QP	29.5	-34.4	1.00	190	13.2	-18.1
8	17.9736	-4.0 QP	29.5	-33.5	1.00	46	14.1	-18.1
9	20.2229	-5.6 QP	29.5	-35.1	1.00	358	12.5	-18.1
10	25.4414	-7.0 QP	29.5	-36.5	1.00	270	11.1	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$



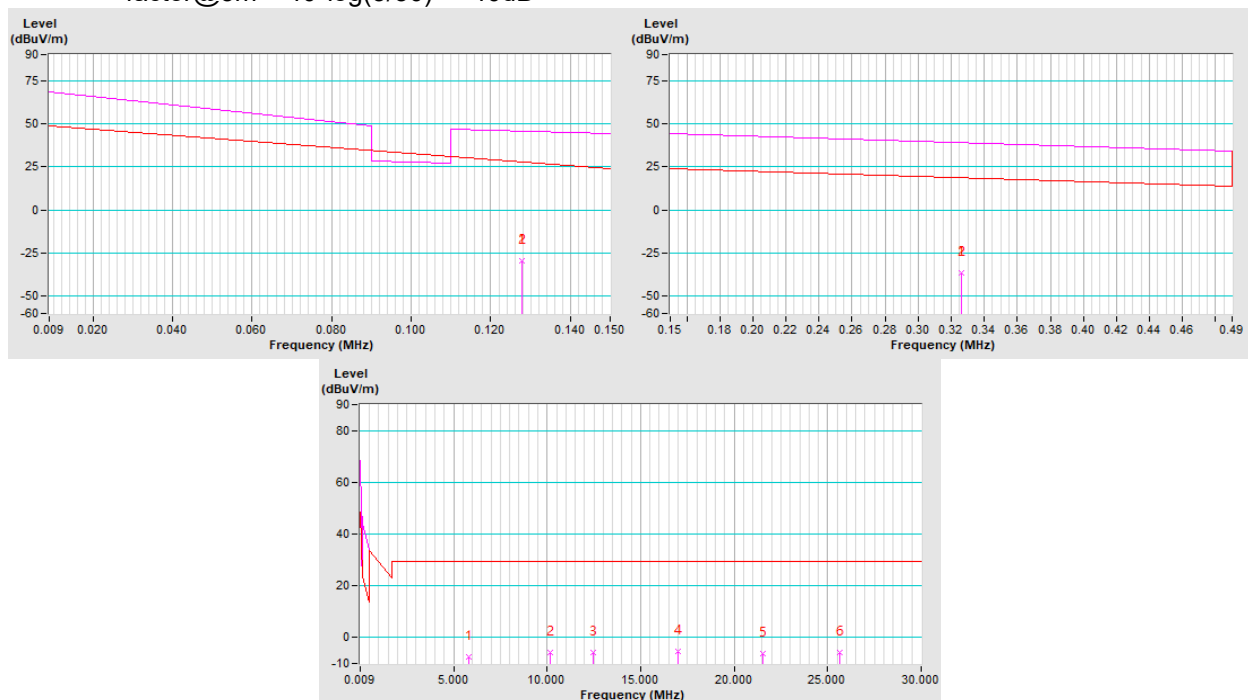
Tested Frequency	127.7kHz, 326.5kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	E		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Perpendicular at 3m

No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-29.3 PK	45.5	-74.8	1.00	211	31.0	-60.3
2	*0.1277	-29.6 AV	25.5	-55.1	1.00	211	30.7	-60.3
3	*0.3265	-36.2 PK	37.3	-73.5	1.00	125	23.8	-60.0
4	*0.3265	-36.5 AV	17.3	-53.8	1.00	125	23.5	-60.0
5	5.7973	-7.3 QP	29.5	-36.8	1.00	82	12.5	-19.8
6	10.1759	-5.9 QP	29.5	-35.4	1.00	353	12.3	-18.2
7	12.4853	-5.7 QP	29.5	-35.2	1.00	10	12.5	-18.2
8	17.0139	-5.2 QP	29.5	-34.7	1.00	349	12.9	-18.1
9	21.5425	-6.2 QP	29.5	-35.7	1.00	346	11.9	-18.1
10	25.6513	-5.9 QP	29.5	-35.4	1.00	89	12.2	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

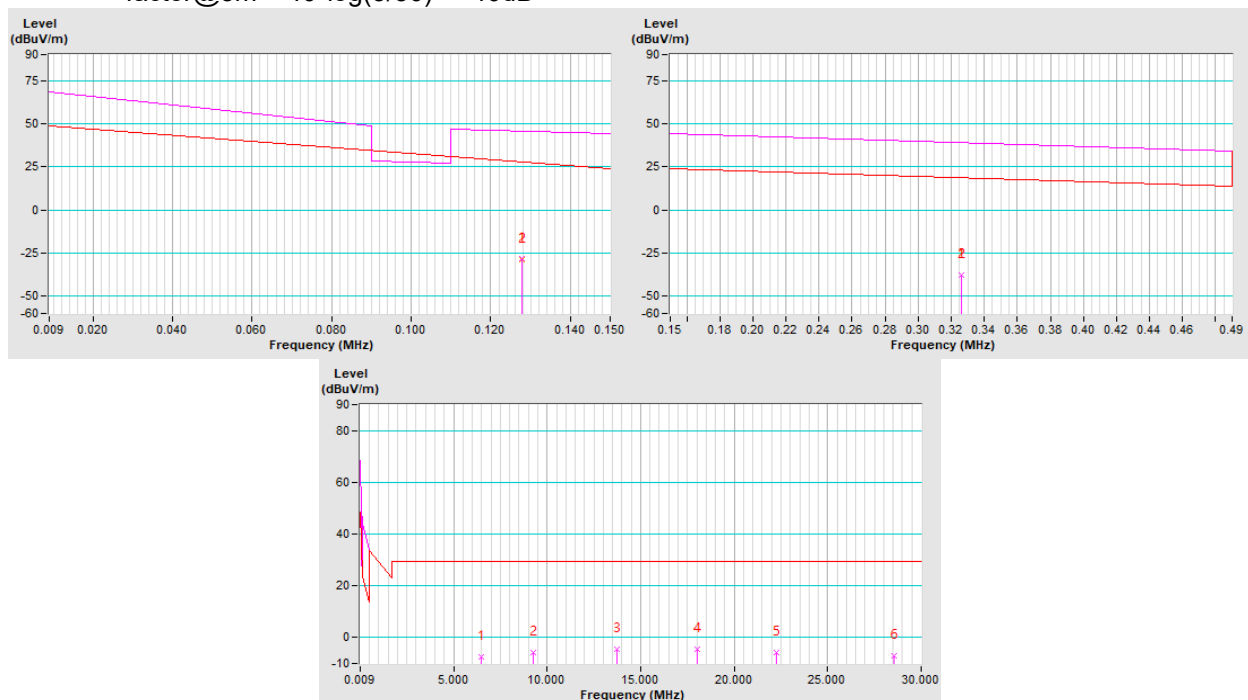


Tested Frequency	127.7kHz, 326.5kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	E		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Ground-Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-28.4 PK	45.5	-73.9	1.00	136	31.9	-60.3
2	*0.1277	-28.7 AV	25.5	-54.2	1.00	136	31.6	-60.3
3	*0.3265	-37.5 PK	37.3	-74.8	1.00	281	22.5	-60.0
4	*0.3265	-37.8 AV	17.3	-55.1	1.00	281	22.2	-60.0
5	6.4571	-7.3 QP	29.5	-36.8	1.00	2	12.2	-19.5
6	9.2762	-5.8 QP	29.5	-35.3	1.00	33	12.7	-18.5
7	13.7149	-4.6 QP	29.5	-34.1	1.00	90	13.6	-18.2
8	18.0036	-4.4 QP	29.5	-33.9	1.00	131	13.7	-18.1
9	22.2623	-5.9 QP	29.5	-35.4	1.00	42	12.2	-18.1
10	28.5304	-7.1 QP	29.5	-36.6	1.00	337	11.0	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

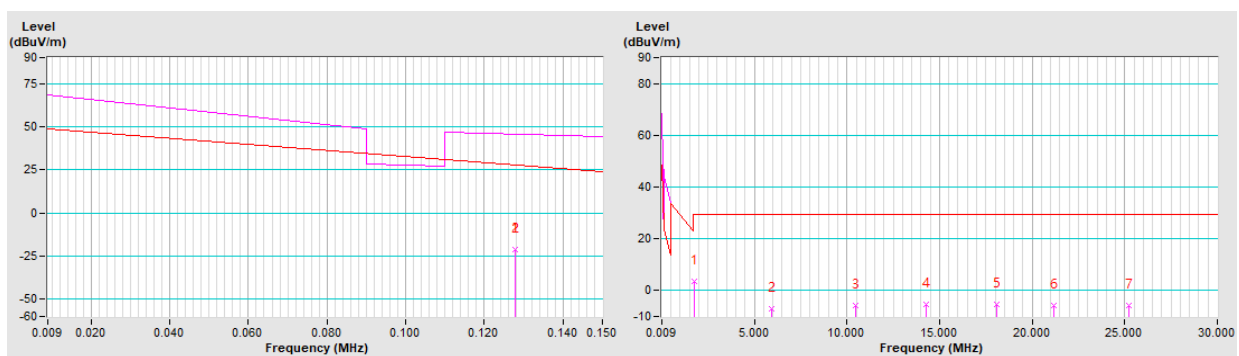


Tested Frequency	127.7kHz, 1.778MHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	F		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-21.1 PK	45.5	-66.6	1.00	228	39.2	-60.3
2	*0.1277	-21.4 AV	25.5	-46.9	1.00	228	38.9	-60.3
3	*1.7780	3.4 QP	29.5	-26.1	1.00	177	23.3	-19.9
4	5.9172	-7.0 QP	29.5	-36.5	1.00	185	12.8	-19.8
5	10.4759	-5.8 QP	29.5	-35.3	1.00	262	12.4	-18.2
6	14.2547	-5.5 QP	29.5	-35.0	1.00	62	12.7	-18.2
7	18.0636	-5.4 QP	29.5	-34.9	1.00	266	12.7	-18.1
8	21.1826	-5.7 QP	29.5	-35.2	1.00	230	12.4	-18.1
9	25.2314	-5.6 QP	29.5	-35.1	1.00	289	12.5	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

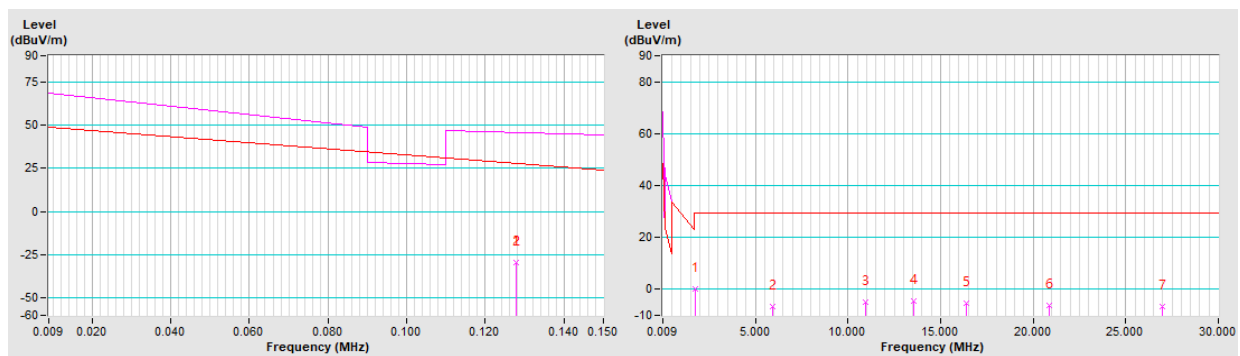


Tested Frequency	127.7kHz, 1.778MHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	F		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Perpendicular at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-29.3 PK	45.5	-74.8	1.00	211	31.0	-60.3
2	*0.1277	-29.6 AV	25.5	-55.1	1.00	211	30.7	-60.3
3	*1.7780	0.1 QP	29.5	-29.4	1.00	118	20.0	-19.9
4	5.9472	-6.7 QP	29.5	-36.2	1.00	331	13.0	-19.7
5	10.9257	-4.8 QP	29.5	-34.3	1.00	43	13.4	-18.2
6	13.5649	-4.5 QP	29.5	-34.0	1.00	336	13.7	-18.2
7	16.3841	-5.4 QP	29.5	-34.9	1.00	14	12.7	-18.1
8	20.8827	-6.1 QP	29.5	-35.6	1.00	303	12.0	-18.1
9	27.0009	-6.7 QP	29.5	-36.2	1.00	271	11.4	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

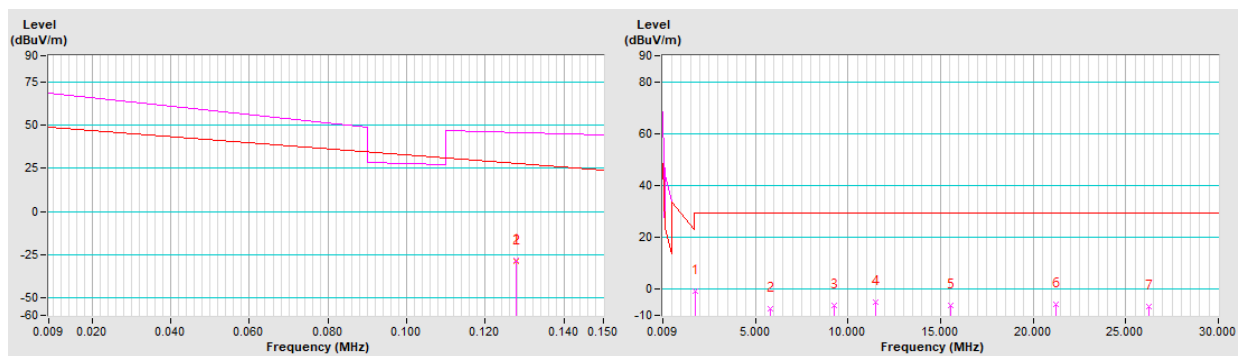


Tested Frequency	127.7kHz, 1.778MHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	F		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Ground-Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.1277	-28.4 PK	45.5	-73.9	1.00	136	31.9	-60.3
2	*0.1277	-28.7 AV	25.5	-54.2	1.00	136	31.6	-60.3
3	*1.7780	-0.7 QP	29.5	-30.2	1.00	92	19.2	-19.9
4	5.7973	-7.3 QP	29.5	-36.8	1.00	241	12.5	-19.8
5	9.2762	-6.3 QP	29.5	-35.8	1.00	2	12.2	-18.5
6	11.5255	-4.8 QP	29.5	-34.3	1.00	98	13.4	-18.2
7	15.5743	-6.2 QP	29.5	-35.7	1.00	82	11.9	-18.1
8	21.2426	-5.8 QP	29.5	-35.3	1.00	31	12.3	-18.1
9	26.2811	-6.7 QP	29.5	-36.2	1.00	308	11.4	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
 Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
 For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

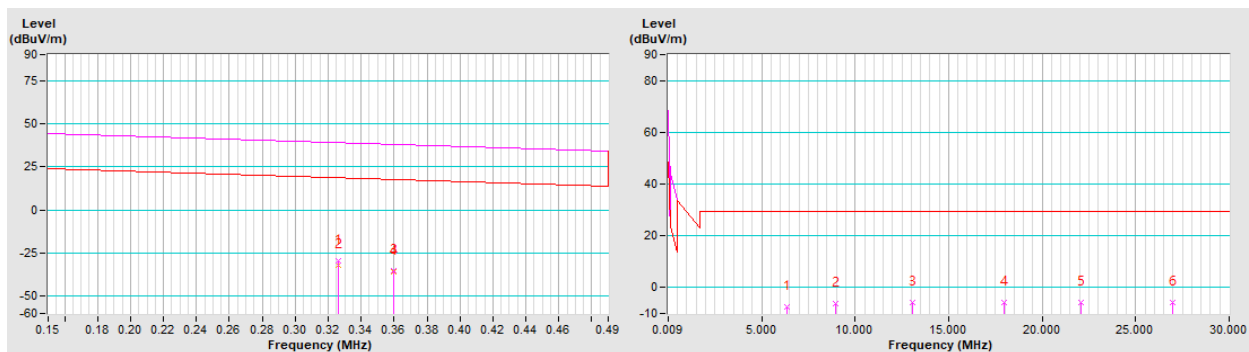


Tested Frequency	360.0kHz, 326.5kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	G		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3265	-29.7 PK	37.3	-67.0	1.00	206	30.3	-60.0
2	*0.3265	-32.0 AV	17.3	-49.3	1.00	206	28.0	-60.0
3	*0.3600	-35.4 PK	36.5	-71.9	1.00	160	24.6	-60.0
4	*0.3600	-35.7 AV	16.5	-52.2	1.00	160	24.3	-60.0
5	6.3371	-7.3 QP	29.5	-36.8	1.00	294	12.3	-19.6
6	8.9763	-6.0 QP	29.5	-35.5	1.00	169	12.6	-18.6
7	13.0551	-5.7 QP	29.5	-35.2	1.00	354	12.5	-18.2
8	17.9436	-5.8 QP	29.5	-35.3	1.00	338	12.3	-18.1
9	22.0824	-5.6 QP	29.5	-35.1	1.00	195	12.5	-18.1
10	26.9709	-5.9 QP	29.5	-35.4	1.00	344	12.2	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

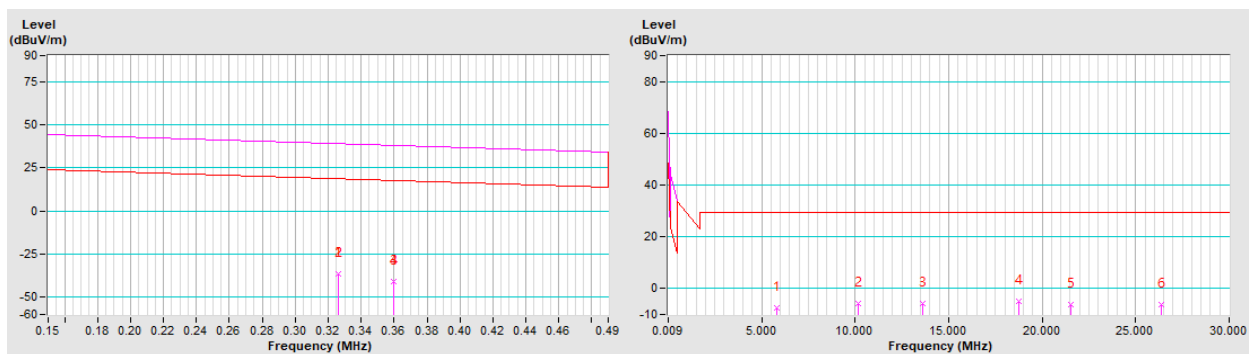


Tested Frequency	360.0kHz, 326.5kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	G		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Perpendicular at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3265	-36.2 PK	37.3	-73.5	1.00	126	23.8	-60.0
2	*0.3265	-36.5 AV	17.3	-53.8	1.00	126	23.5	-60.0
3	*0.3600	-40.8 PK	36.5	-77.3	1.00	25	19.2	-60.0
4	*0.3600	-41.2 AV	16.5	-57.7	1.00	25	18.8	-60.0
5	5.7973	-7.3 QP	29.5	-36.8	1.00	82	12.5	-19.8
6	10.1759	-5.9 QP	29.5	-35.4	1.00	353	12.3	-18.2
7	13.5949	-5.6 QP	29.5	-35.1	1.00	278	12.6	-18.2
8	18.7234	-5.0 QP	29.5	-34.5	1.00	75	13.1	-18.1
9	21.5425	-6.2 QP	29.5	-35.7	1.00	346	11.9	-18.1
10	26.3711	-6.1 QP	29.5	-35.6	1.00	18	12.0	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

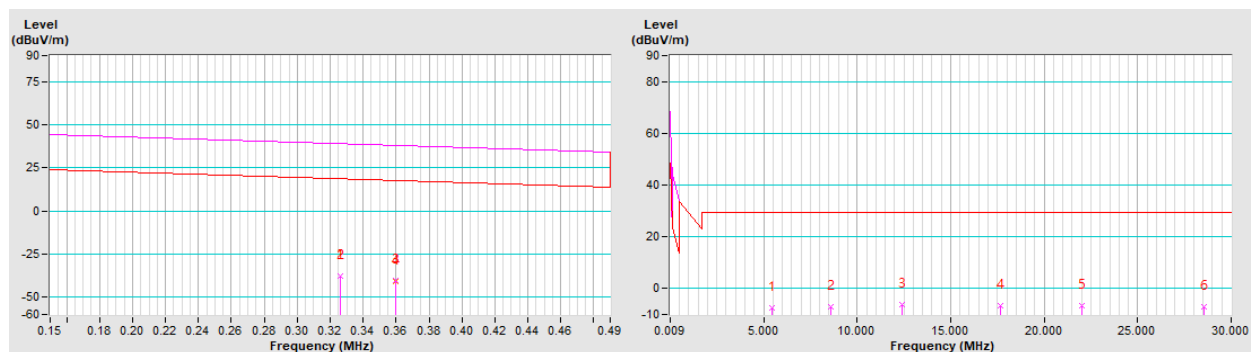


Tested Frequency	360.0kHz, 326.5kHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	G		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Ground-Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3265	-37.5 PK	37.3	-74.8	1.00	284	22.5	-60.0
2	*0.3265	-37.8 AV	17.3	-55.1	1.00	284	22.2	-60.0
3	*0.3600	-40.4 PK	36.5	-76.9	1.00	274	19.6	-60.0
4	*0.3600	-40.8 AV	16.5	-57.3	1.00	274	19.2	-60.0
5	5.4674	-7.3 QP	29.5	-36.8	1.00	341	12.6	-19.9
6	8.5864	-7.1 QP	29.5	-36.6	1.00	142	11.6	-18.7
7	12.4253	-6.3 QP	29.5	-35.8	1.00	36	11.9	-18.2
8	17.6437	-6.5 QP	29.5	-36.0	1.00	39	11.6	-18.1
9	22.0224	-6.6 QP	29.5	-36.1	1.00	187	11.5	-18.1
10	28.5304	-7.1 QP	29.5	-36.6	1.00	337	11.0	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

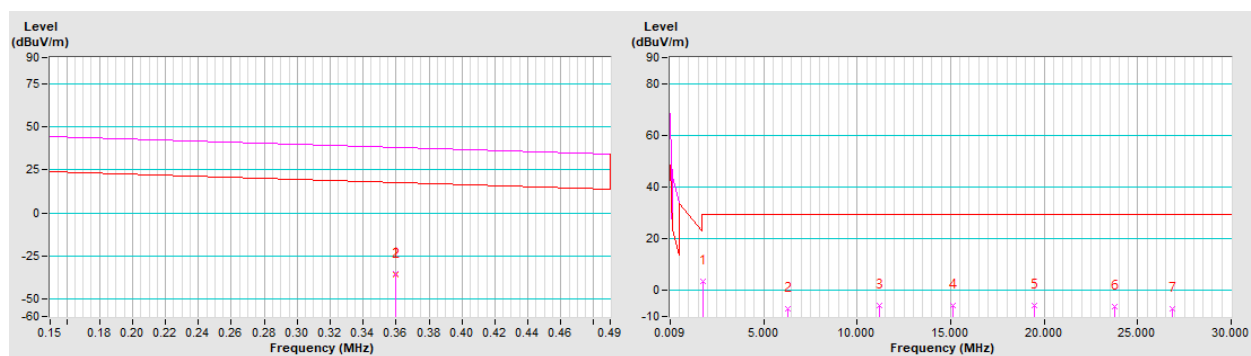


Tested Frequency	360.0kHz, 1.778MHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	H		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3600	-35.4 PK	36.5	-71.9	1.00	160	24.6	-60.0
2	*0.3600	-35.7 AV	16.5	-52.2	1.00	160	24.3	-60.0
3	*1.7780	3.4 QP	29.5	-26.1	1.00	182	23.3	-19.9
4	6.3071	-7.0 QP	29.5	-36.5	1.00	95	12.6	-19.6
5	11.1956	-5.6 QP	29.5	-35.1	1.00	79	12.6	-18.2
6	15.1545	-5.6 QP	29.5	-35.1	1.00	136	12.5	-18.1
7	19.5032	-5.9 QP	29.5	-35.4	1.00	85	12.2	-18.1
8	23.7619	-6.1 QP	29.5	-35.6	1.00	124	12.0	-18.1
9	26.8509	-7.0 QP	29.5	-36.5	1.00	198	11.1	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

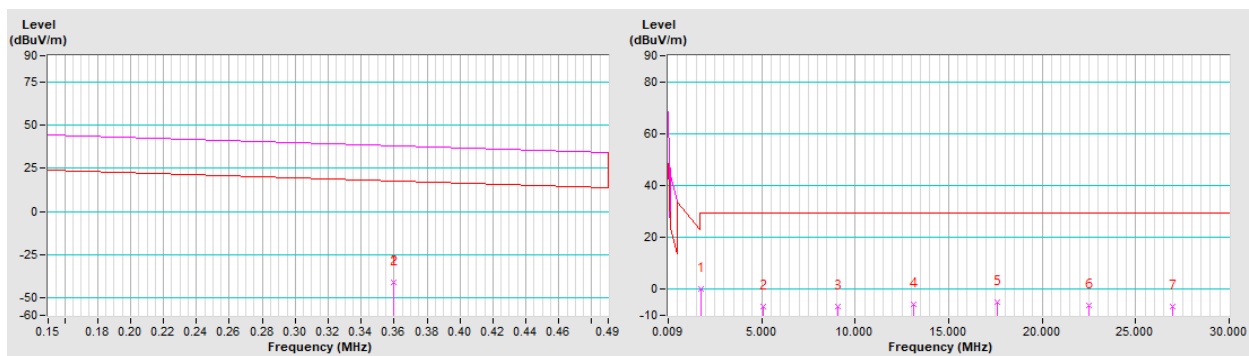


Tested Frequency	360.0kHz, 1.778MHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	H		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Perpendicular at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3600	-40.8 PK	36.5	-77.3	1.00	25	19.2	-60.0
2	*0.3600	-41.2 AV	16.5	-57.7	1.00	25	18.8	-60.0
3	*1.7780	0.1 QP	29.5	-29.4	1.00	122	20.0	-19.9
4	5.0775	-6.4 QP	29.5	-35.9	1.00	130	13.7	-20.1
5	9.0963	-6.6 QP	29.5	-36.1	1.00	42	11.9	-18.5
6	13.1151	-5.6 QP	29.5	-35.1	1.00	354	12.6	-18.2
7	17.6137	-5.0 QP	29.5	-34.5	1.00	83	13.1	-18.1
8	22.5322	-6.3 QP	29.5	-35.8	1.00	196	11.8	-18.1
9	27.0009	-6.7 QP	29.5	-36.2	1.00	271	11.4	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

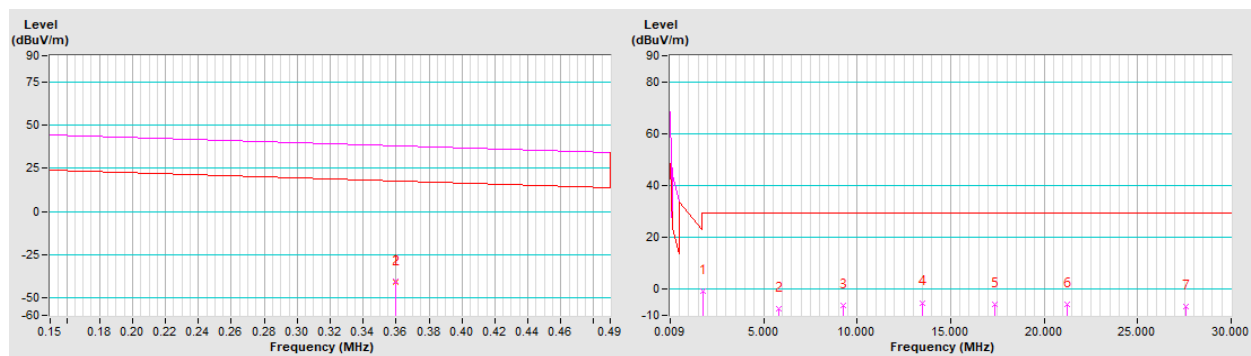


Tested Frequency	360.0kHz, 1.778MHz	Detector Function	Peak (PK)
Frequency Range	9kHz ~ 30MHz		Average (AV)
Test Mode	H		Quasi-Peak (QP)

Antenna Polarity & Test Distance: Loop antenna Ground-Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	*0.3600	-40.4 PK	36.5	-76.9	1.00	274	19.6	-60.0
2	*0.3600	-40.8 AV	16.5	-57.3	1.00	274	19.2	-60.0
3	*1.7780	-0.7 QP	29.5	-30.2	1.00	92	19.2	-19.9
4	5.7973	-7.3 QP	29.5	-36.8	1.00	241	12.5	-19.8
5	9.2762	-6.3 QP	29.5	-35.8	1.00	2	12.2	-18.5
6	13.5049	-5.1 QP	29.5	-34.6	1.00	336	13.1	-18.2
7	17.3438	-5.6 QP	29.5	-35.1	1.00	2	12.5	-18.1
8	21.2426	-5.8 QP	29.5	-35.3	1.00	31	12.3	-18.1
9	27.6007	-6.6 QP	29.5	-36.1	1.00	254	11.5	-18.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * ”: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.009 ~ 0.49MHz, the measured field strength was extrapolated to distance 300 meters
Distance factor@3m = $40 \cdot \log(3/300) = -80\text{dB}$
For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$



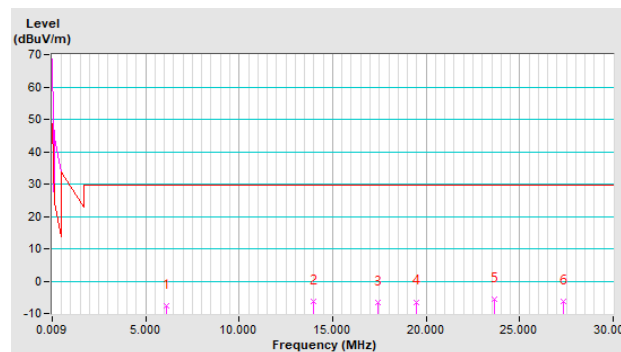
Standby Mode

Tested Frequency	-	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 30MHz		
Test Mode	I		

Antenna Polarity & Test Distance: Loop antenna Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6.1272	-7.6 QP	29.5	-37.1	1.00	22	11.8	-19.4
2	13.9548	-6.3 QP	29.5	-35.8	1.00	100	11.7	-18.0
3	17.4038	-6.5 QP	29.5	-36.0	1.00	302	11.4	-17.9
4	19.5032	-6.4 QP	29.5	-35.9	1.00	248	11.4	-17.8
5	23.6719	-5.6 QP	29.5	-35.1	1.00	14	12.3	-17.9
6	27.3308	-6.2 QP	29.5	-35.7	1.00	271	11.7	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

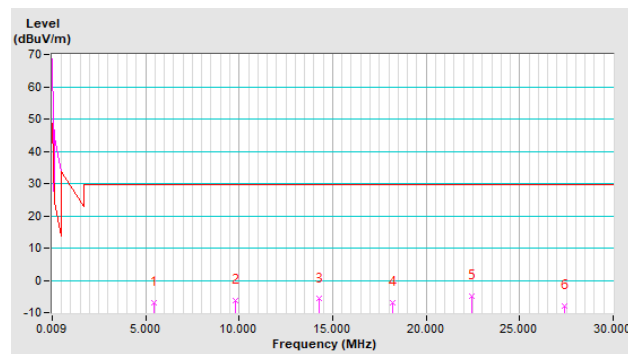


Tested Frequency	-	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 30MHz		
Test Mode	I		

Antenna Polarity & Test Distance: Loop antenna Perpendicular at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5.4674	-7.1 QP	29.5	-36.6	1.00	29	12.5	-19.6
2	9.8161	-6.2 QP	29.5	-35.7	1.00	298	12.0	-18.2
3	14.2547	-5.8 QP	29.5	-35.3	1.00	9	12.2	-18.0
4	18.2135	-7.0 QP	29.5	-36.5	1.00	348	10.9	-17.9
5	22.4123	-5.0 QP	29.5	-34.5	1.00	54	12.8	-17.8
6	27.4208	-8.0 QP	29.5	-37.5	1.00	14	9.9	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$

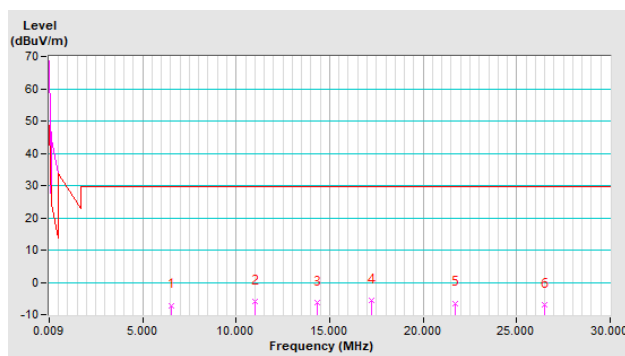


Tested Frequency	-	Detector Function	Quasi-Peak (QP)
Frequency Range	9kHz ~ 30MHz		
Test Mode	I		

Antenna Polarity & Test Distance: Loop antenna Ground-Parallel at 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	6.5170	-7.1 QP	29.5	-36.6	1.00	240	12.2	-19.3
2	10.9857	-5.9 QP	29.5	-35.4	1.00	316	12.2	-18.1
3	14.3147	-6.4 QP	29.5	-35.9	1.00	263	11.6	-18.0
4	17.2538	-5.7 QP	29.5	-35.2	1.00	29	12.2	-17.9
5	21.6925	-6.4 QP	29.5	-35.9	1.00	359	11.4	-17.8
6	26.4911	-7.0 QP	29.5	-36.5	1.00	18	10.9	-17.9

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + Distance Factor
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value
5. “ * “: Fundamental frequency.
6. Loop antenna was used for all radiated emission below 30MHz.
7. For 0.49 ~ 30MHz, the measured field strength was extrapolated to distance 30 meters Distance factor@3m = $40 \cdot \log(3/30) = -40\text{dB}$



Below 1GHz Data:

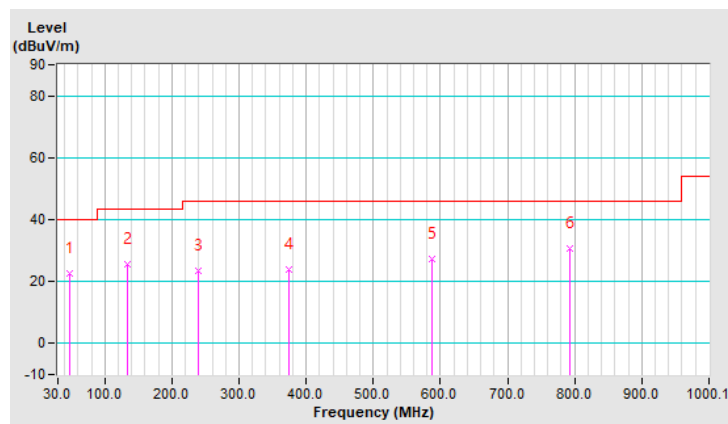
Charging Mode

Tested Frequency	127.7kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	A		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.4319	22.6 QP	40.0	-17.4	1.65 H	54	35.1	-12.5
2	132.8306	25.8 QP	43.5	-17.7	2.24 H	278	38.8	-13.0
3	238.5715	23.6 QP	46.0	-22.4	3.41 H	87	38.4	-14.8
4	374.3855	24.0 QP	46.0	-22.0	1.96 H	69	33.6	-9.6
5	587.8075	27.3 QP	46.0	-18.7	2.04 H	349	31.2	-3.9
6	793.4687	30.5 QP	46.0	-15.5	1.12 H	244	30.4	0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

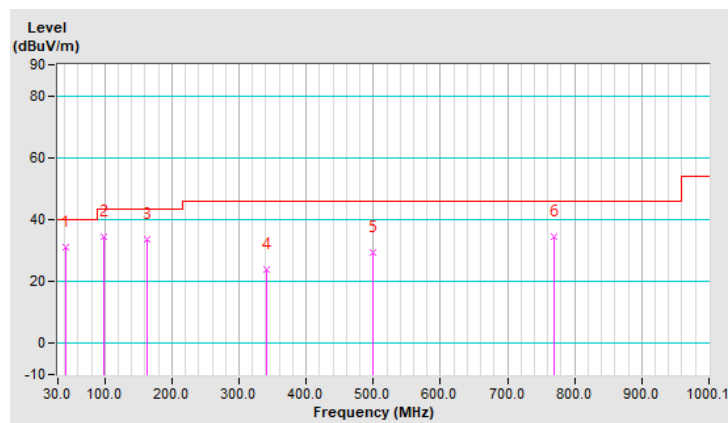


Tested Frequency	127.7kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	A		

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	42.6113	31.3 QP	40.0	-8.7	1.20 V	183	44.2	-12.9
2	97.9070	34.7 QP	43.5	-8.8	2.63 V	9	51.9	-17.2
3	162.9037	33.8 QP	43.5	-9.7	1.75 V	251	46.4	-12.6
4	341.4021	24.1 QP	46.0	-21.9	2.65 V	331	34.6	-10.5
5	499.5284	29.3 QP	46.0	-16.7	3.32 V	39	35.4	-6.1
6	769.2162	34.6 QP	46.0	-11.4	1.98 V	103	34.7	-0.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

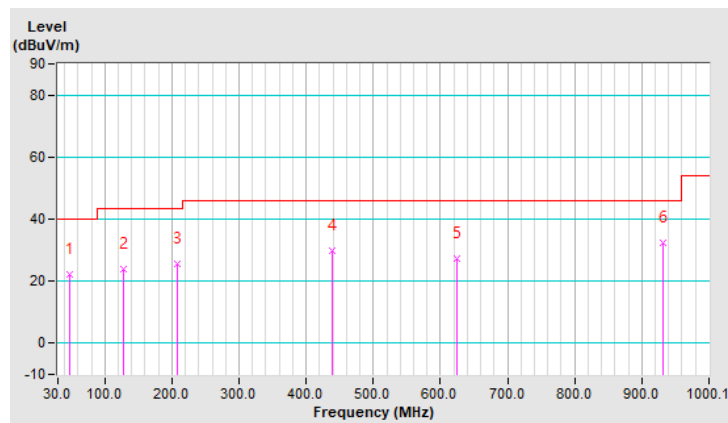


Tested Frequency	360.0kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	B		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.4319	22.1 QP	40.0	-17.9	1.52 H	173	34.6	-12.5
2	127.9801	24.1 QP	43.5	-19.4	2.03 H	72	37.7	-13.6
3	207.5283	25.6 QP	43.5	-17.9	1.87 H	290	41.8	-16.2
4	439.3822	29.7 QP	46.0	-16.3	3.25 H	185	37.2	-7.5
5	623.7012	27.5 QP	46.0	-18.5	1.15 H	84	30.4	-2.9
6	931.2229	32.4 QP	46.0	-13.6	2.06 H	92	30.1	2.3

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

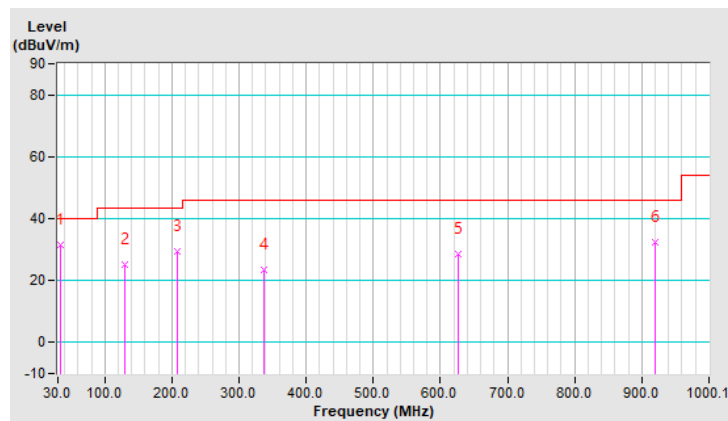


Tested Frequency	360.0kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	B		

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.8804	31.4 QP	40.0	-8.6	1.63 V	18	45.2	-13.8
2	128.9502	25.2 QP	43.5	-18.3	2.04 V	5	38.7	-13.5
3	207.5283	29.3 QP	43.5	-14.2	1.87 V	343	45.5	-16.2
4	336.5516	23.6 QP	46.0	-22.4	2.25 V	349	34.3	-10.7
5	626.6115	28.7 QP	46.0	-17.3	1.93 V	18	31.5	-2.8
6	920.5518	32.5 QP	46.0	-13.5	2.05 V	325	30.4	2.1

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

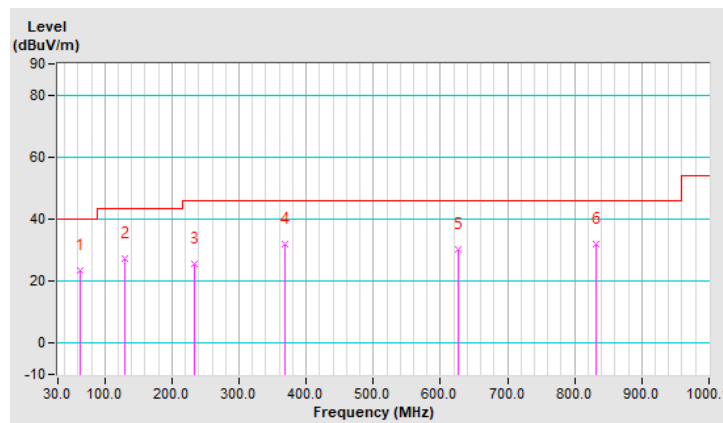


Tested Frequency	326.5kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	C		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	63.9535	23.3 QP	40.0	-16.7	2.03 H	38	37.0	-13.7
2	128.9502	27.2 QP	43.5	-16.3	1.24 H	285	40.7	-13.5
3	232.7509	25.8 QP	46.0	-20.2	2.32 H	94	41.2	-15.4
4	367.5948	31.9 QP	46.0	-14.1	1.86 H	55	41.9	-10.0
5	626.6115	30.3 QP	46.0	-15.7	2.47 H	270	33.1	-2.8
6	832.2727	31.8 QP	46.0	-14.2	1.15 H	146	30.8	1.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

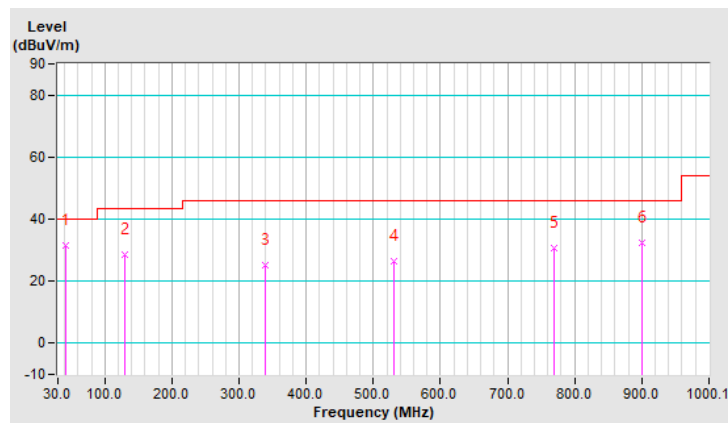


Tested Frequency	326.5kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	C		

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	42.6113	31.5 QP	40.0	-8.5	1.36 V	172	44.4	-12.9
2	128.9502	28.6 QP	43.5	-14.9	1.58 V	18	42.1	-13.5
3	338.4918	25.1 QP	46.0	-20.9	1.69 V	2	35.7	-10.6
4	530.5716	26.3 QP	46.0	-19.7	2.27 V	226	32.0	-5.7
5	769.2162	30.5 QP	46.0	-15.5	1.55 V	176	30.6	-0.1
6	900.1797	32.5 QP	46.0	-13.5	1.42 V	190	30.9	1.6

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

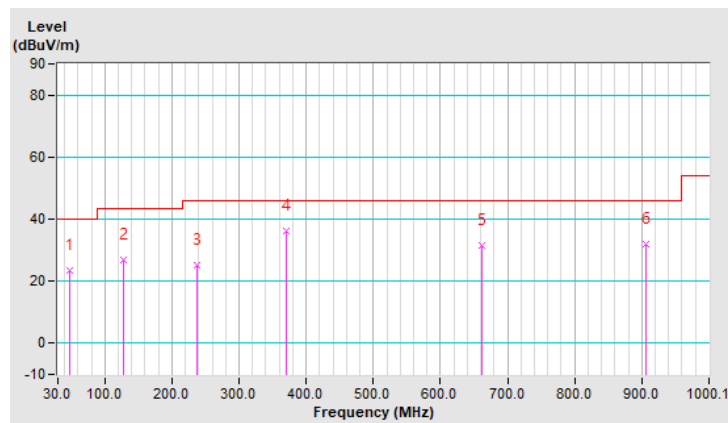


Tested Frequency	1.778MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	D		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.4319	23.3 QP	40.0	-16.7	1.23 H	224	35.8	-12.5
2	127.0100	27.0 QP	43.5	-16.5	2.74 H	274	40.8	-13.8
3	236.6313	25.1 QP	46.0	-20.9	1.56 H	272	40.0	-14.9
4	370.5051	36.2 QP	46.0	-9.8	1.77 H	64	46.0	-9.8
5	662.5052	31.7 QP	46.0	-14.3	2.65 H	266	34.0	-2.3
6	906.9704	31.9 QP	46.0	-14.1	1.93 H	92	30.2	1.7

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

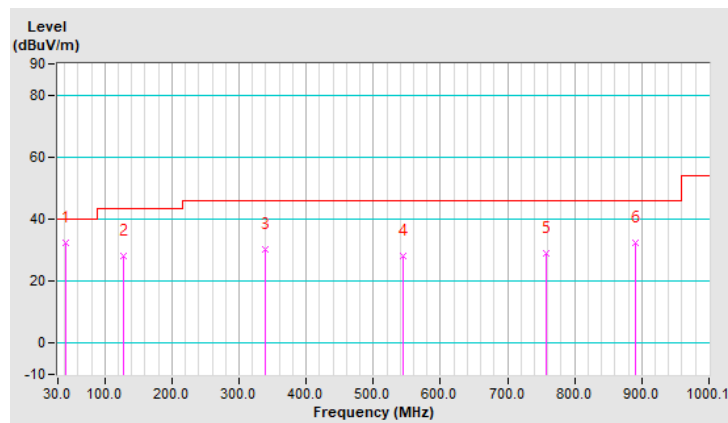


Tested Frequency	1.778MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	D		

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	42.6113	32.3 QP	40.0	-7.7	1.23 V	25	45.2	-12.9
2	127.0100	28.0 QP	43.5	-15.5	2.07 V	18	41.8	-13.8
3	338.4918	30.3 QP	46.0	-15.7	1.59 V	342	40.9	-10.6
4	544.1530	28.0 QP	46.0	-18.0	2.35 V	220	33.3	-5.3
5	758.5451	28.8 QP	46.0	-17.2	1.67 V	29	29.3	-0.5
6	891.4488	32.2 QP	46.0	-13.8	3.39 V	2	30.7	1.5

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

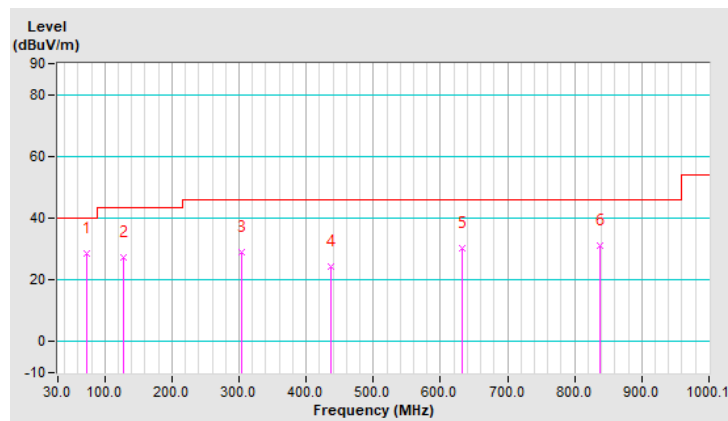


Tested Frequency	127.7kHz, 326.5kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	E		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	72.6844	28.6 QP	40.0	-11.4	2.46 H	125	44.2	-15.6
2	127.9801	27.1 QP	43.5	-16.4	2.39 H	215	40.7	-13.6
3	303.5682	28.9 QP	46.0	-17.1	3.54 H	266	40.8	-11.9
4	437.4420	24.2 QP	46.0	-21.8	2.34 H	268	31.8	-7.6
5	632.4321	30.3 QP	46.0	-15.7	1.16 H	225	33.1	-2.8
6	837.1232	31.2 QP	46.0	-14.8	1.36 H	124	30.0	1.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

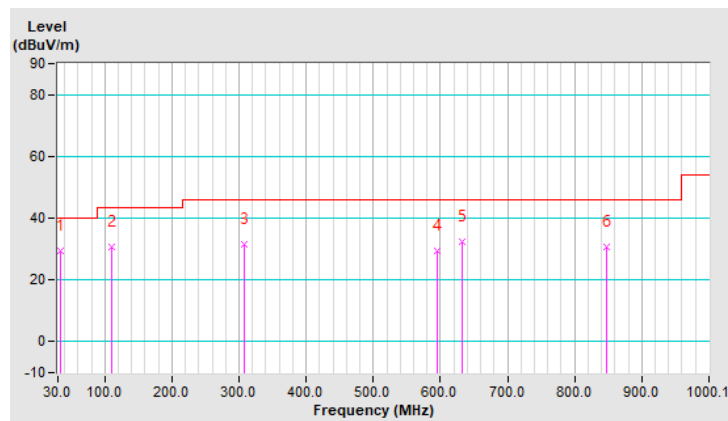


Tested Frequency	127.7kHz, 326.5kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	E		

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.8804	29.5 QP	40.0	-10.5	2.26 V	48	43.3	-13.8
2	109.5482	30.8 QP	43.5	-12.7	3.60 V	300	46.0	-15.2
3	308.4187	31.6 QP	46.0	-14.4	3.10 V	119	43.3	-11.7
4	595.5683	29.2 QP	46.0	-16.8	2.09 V	246	32.8	-3.6
5	631.4620	32.4 QP	46.0	-13.6	3.52 V	94	35.2	-2.8
6	847.7943	30.8 QP	46.0	-15.2	1.91 V	352	29.8	1.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

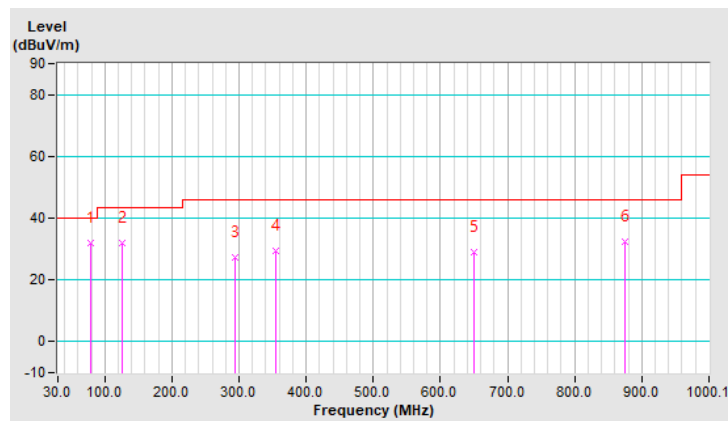


Tested Frequency	127.7kHz, 1.778MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	F		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	79.4751	31.8 QP	40.0	-8.2	2.57 H	65	49.3	-17.5
2	125.0698	31.9 QP	43.5	-11.6	3.48 H	68	45.8	-13.9
3	293.8672	27.2 QP	46.0	-18.8	2.00 H	102	39.6	-12.4
4	354.9835	29.5 QP	46.0	-16.5	2.21 H	256	39.7	-10.2
5	649.8939	28.8 QP	46.0	-17.2	1.39 H	215	31.3	-2.5
6	873.9870	32.2 QP	46.0	-13.8	3.37 H	305	30.8	1.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

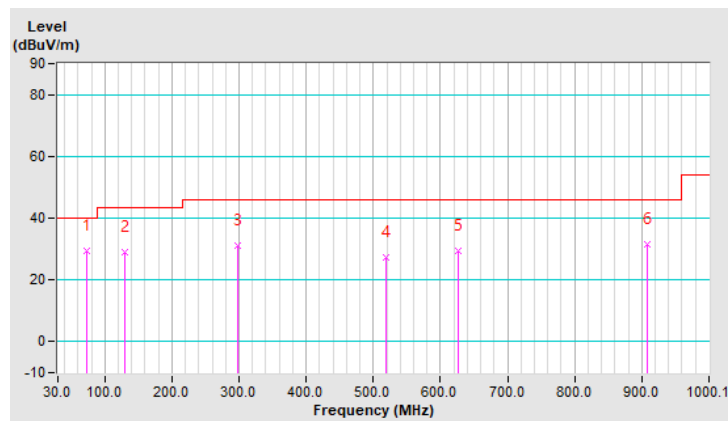


Tested Frequency	127.7kHz, 1.778MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	F		

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	72.6844	29.5 QP	40.0	-10.5	2.17 V	123	45.1	-15.6
2	129.9203	28.9 QP	43.5	-14.6	3.13 V	52	42.3	-13.4
3	297.7476	31.2 QP	46.0	-14.8	1.62 V	270	43.4	-12.2
4	518.9304	27.3 QP	46.0	-18.7	2.39 V	352	33.0	-5.7
5	625.6414	29.2 QP	46.0	-16.8	1.37 V	192	32.0	-2.8
6	908.9106	31.4 QP	46.0	-14.6	1.04 V	143	29.6	1.8

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

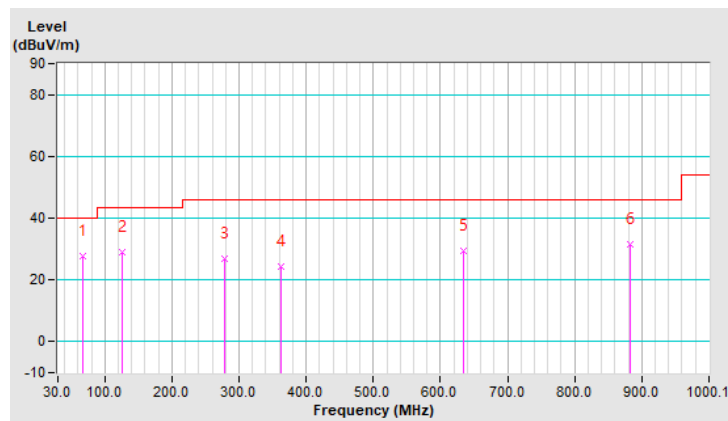


Tested Frequency	360.0kHz, 326.5kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	G		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	67.8339	27.7 QP	40.0	-12.3	1.65 H	215	42.3	-14.6
2	126.0399	29.0 QP	43.5	-14.5	1.80 H	42	42.7	-13.7
3	279.3157	26.8 QP	46.0	-19.2	2.94 H	271	39.9	-13.1
4	362.7443	24.5 QP	46.0	-21.5	1.55 H	51	34.6	-10.1
5	633.4022	29.2 QP	46.0	-16.8	3.97 H	216	31.9	-2.7
6	883.6880	31.5 QP	46.0	-14.5	2.94 H	106	30.1	1.4

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

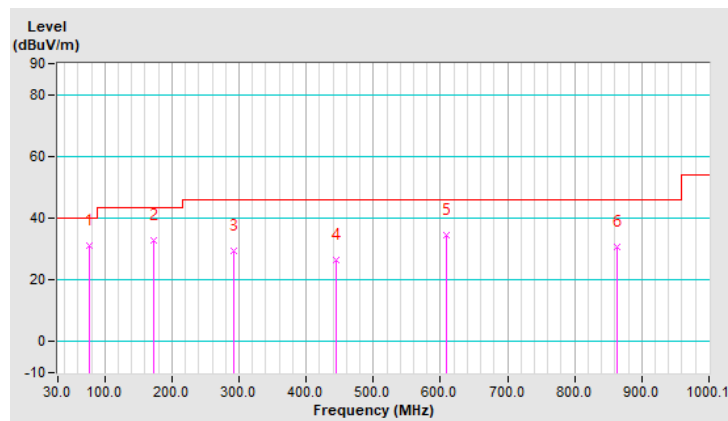


Tested Frequency	360.0kHz, 326.5kHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	G		

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	77.5349	31.3 QP	40.0	-8.7	3.32 V	213	48.3	-17.0
2	173.5748	33.0 QP	43.5	-10.5	1.41 V	280	46.4	-13.4
3	291.9270	29.6 QP	46.0	-16.4	3.03 V	134	42.1	-12.5
4	444.2327	26.5 QP	46.0	-19.5	1.65 V	82	34.0	-7.5
5	608.1796	34.4 QP	46.0	-11.6	3.36 V	199	37.7	-3.3
6	863.3159	30.6 QP	46.0	-15.4	2.32 V	132	29.4	1.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

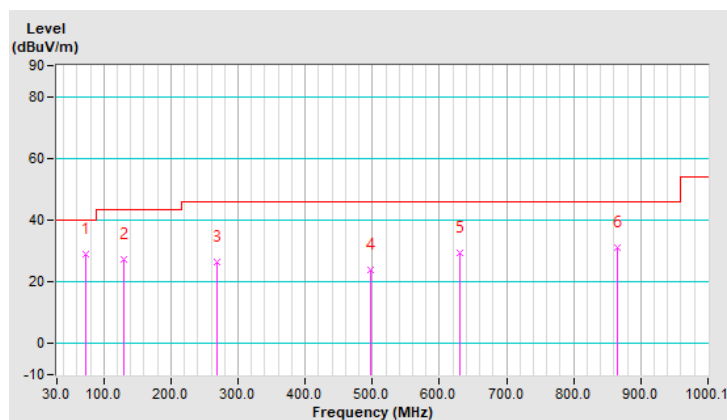


Tested Frequency	360.0kHz, 1.778MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	H		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	72.6844	29.1 QP	40.0	-10.9	1.07 H	59	44.7	-15.6
2	128.9502	27.3 QP	43.5	-16.2	3.28 H	199	40.8	-13.5
3	268.6446	26.6 QP	46.0	-19.4	2.34 H	276	40.1	-13.5
4	497.5882	23.9 QP	46.0	-22.1	1.45 H	280	30.0	-6.1
5	630.4919	29.6 QP	46.0	-16.4	1.31 H	216	32.4	-2.8
6	864.2860	31.0 QP	46.0	-15.0	3.95 H	1	29.8	1.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

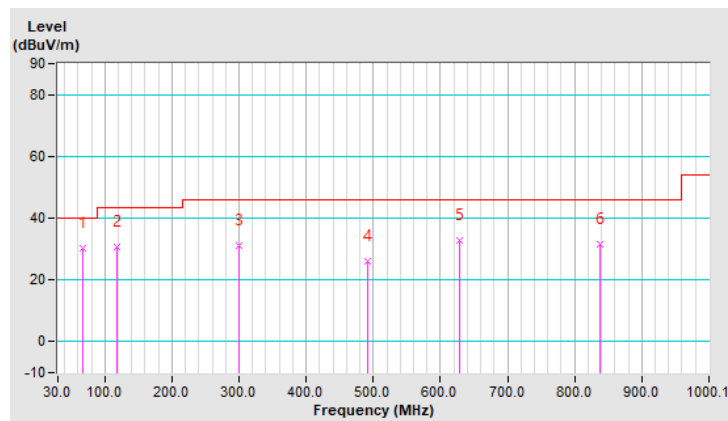


Tested Frequency	360.0kHz, 1.778MHz	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	H		

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	67.8339	30.1 QP	40.0	-9.9	1.42 V	98	44.7	-14.6
2	118.2791	30.6 QP	43.5	-12.9	2.37 V	260	45.1	-14.5
3	299.6878	31.0 QP	46.0	-15.0	2.72 V	122	43.1	-12.1
4	491.7676	26.1 QP	46.0	-19.9	1.84 V	71	32.4	-6.3
5	628.5517	32.8 QP	46.0	-13.2	3.54 V	205	35.6	-2.8
6	837.1232	31.5 QP	46.0	-14.5	1.45 V	324	30.3	1.2

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



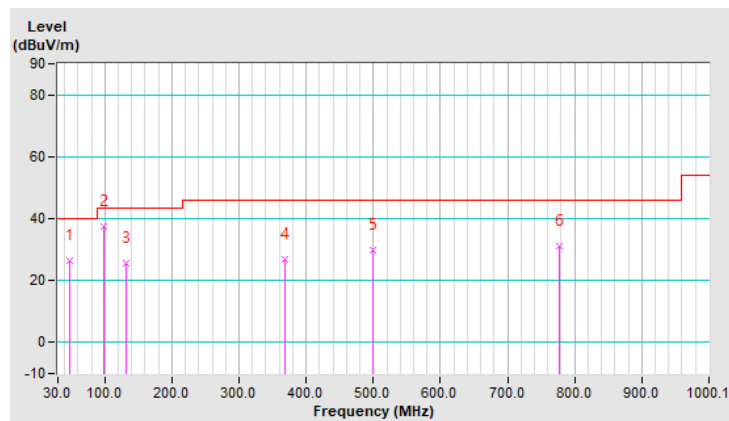
Standby Mode

Tested Frequency	-	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	I		

Antenna Polarity & Test Distance: Horizontal At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	48.4319	26.3 QP	40.0	-13.7	1.23 H	155	38.8	-12.5
2	97.9070	37.4 QP	43.5	-6.1	2.54 H	18	54.6	-17.2
3	131.8605	25.6 QP	43.5	-17.9	3.61 H	82	38.8	-13.2
4	368.5649	27.0 QP	46.0	-19.0	1.08 H	51	36.9	-9.9
5	499.5284	29.7 QP	46.0	-16.3	2.03 H	6	35.8	-6.1
6	776.9770	30.9 QP	46.0	-15.1	1.52 H	18	30.9	0.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value

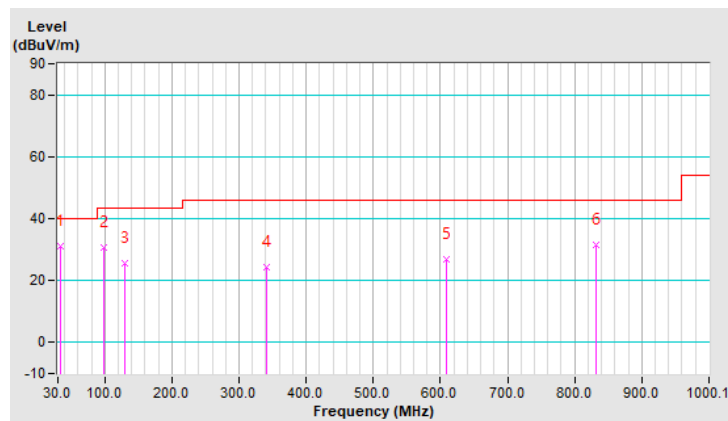


Tested Frequency	-	Detector Function	Quasi-Peak (QP)
Frequency Range	30MHz ~ 1GHz		
Test Mode	I		

Antenna Polarity & Test Distance: Vertical At 3m								
No.	Freq. (MHz)	Emission Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	33.8804	31.0 QP	40.0	-9.0	1.32 V	341	44.8	-13.8
2	97.9070	30.5 QP	43.5	-13.0	2.54 V	172	47.7	-17.2
3	128.9502	25.7 QP	43.5	-17.8	1.68 V	14	39.2	-13.5
4	340.4320	24.5 QP	46.0	-21.5	2.65 V	348	35.0	-10.5
5	609.1497	26.8 QP	46.0	-19.2	1.15 V	236	30.1	-3.3
6	832.2727	31.5 QP	46.0	-14.5	1.09 V	340	30.5	1.0

Remarks:

1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)
3. The other emission levels were very low against the limit.
4. Margin value = Emission Level – Limit value



4.2 Conducted Emission Measurement

4.2.1 Limits of Conducted Emission Measurement

Frequency (MHz)	Conducted Limit (dBuV)	
	Quasi-peak	Average
0.15 - 0.5	66 - 56	56 - 46
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

4.2.2 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver ROHDE & SCHWARZ	ESR3	102783	Dec. 20, 2021	Dec. 19, 2022
RF signal cable (with 10dB PAD) Woken	5D-FB	Cable-cond2-01	Sep. 04, 2021	Sep. 03, 2022
LISN ROHDE & SCHWARZ (EUT)	ESH2-Z5	100100	Feb. 17, 2022	Feb. 16, 2023
LISN ROHDE & SCHWARZ (Peripheral)	ESH3-Z5	100312	Sep. 17, 2021	Sep. 16, 2022
Software ADT	BV ADT_Conc_ V7.3.7.4	NA	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Shielded Room 2 (Conduction 2).

3. The VCCI Site Registration No. is C-12047.

4.2.3 Test Procedures

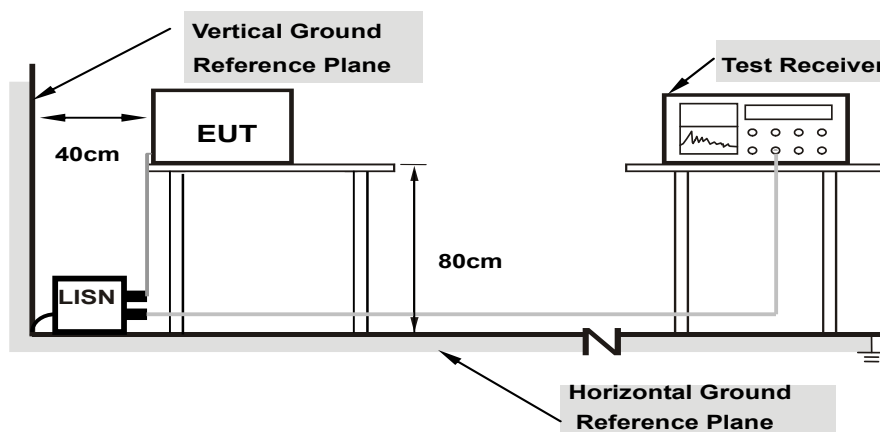
- The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

NOTE: The resolution bandwidth and video bandwidth of test receiver is 9kHz for quasi-peak detection (QP) and average detection (AV) at frequency 0.15MHz-30MHz.

4.2.4 Deviation from Test Standard

No deviation.

4.2.5 Test Setup



Note: 1.Support units were connected to second LISN.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 EUT Operating Conditions

Same as 4.1.6.

4.2.7 Test Results

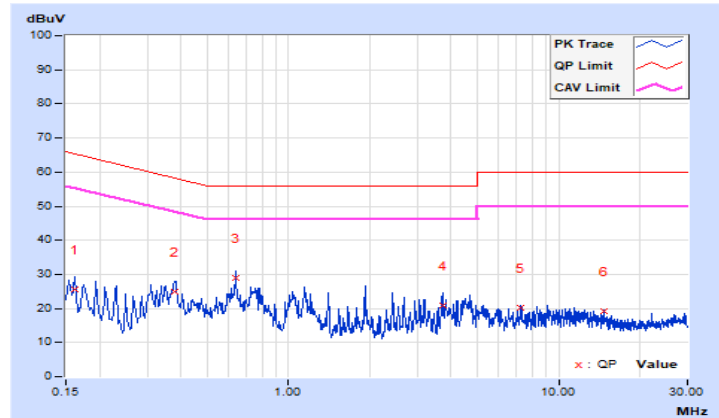
Charging Mode

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	A		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16190	10.14	15.54	3.68	25.68	13.82	65.37	55.37	-39.69	-41.55
2	0.37800	10.23	14.58	4.93	24.81	15.16	58.32	48.32	-33.51	-33.16
3	0.63800	10.26	18.68	12.58	28.94	22.84	56.00	46.00	-27.06	-23.16
4	3.72200	10.40	10.33	3.45	20.73	13.85	56.00	46.00	-35.27	-32.15
5	7.23400	10.43	9.76	2.49	20.19	12.92	60.00	50.00	-39.81	-37.08
6	14.64600	10.52	8.73	2.83	19.25	13.35	60.00	50.00	-40.75	-36.65

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

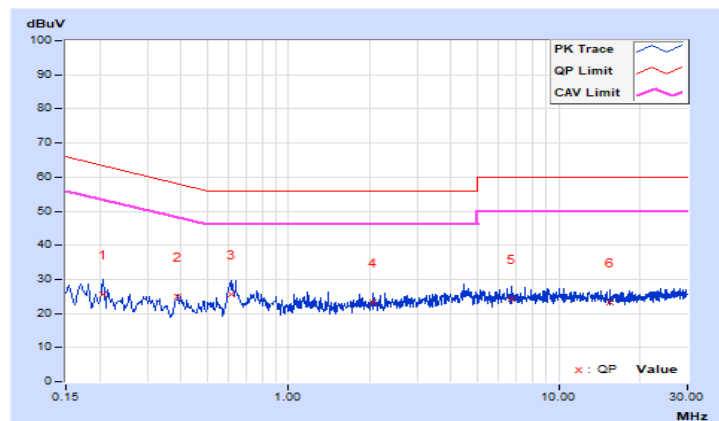


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	A		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.20600	10.19	15.28	3.78	25.47	13.97	63.37	53.37	-37.90	-39.40
2	0.39000	10.26	14.64	4.48	24.90	14.74	58.06	48.06	-33.16	-33.32
3	0.61400	10.28	15.34	6.58	25.62	16.86	56.00	46.00	-30.38	-29.14
4	2.05791	10.36	12.72	4.58	23.08	14.94	56.00	46.00	-32.92	-31.06
5	6.67400	10.45	13.72	5.41	24.17	15.86	60.00	50.00	-35.83	-34.14
6	15.56200	10.63	12.58	3.72	23.21	14.35	60.00	50.00	-36.79	-35.65

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

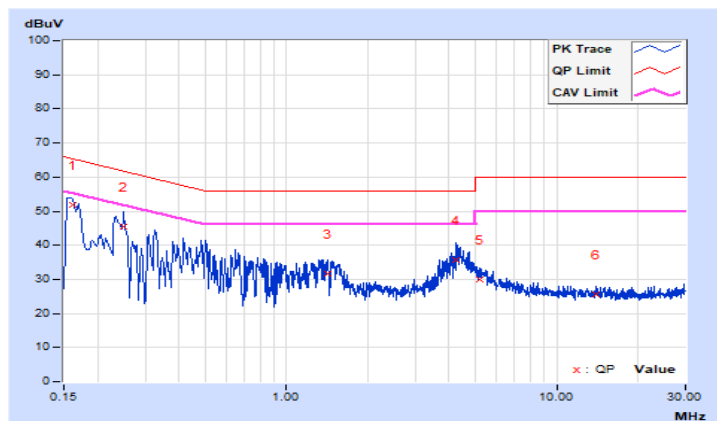


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16200	10.14	41.69	28.15	51.83	38.29	65.36	55.36	-13.53	-17.07
2	0.25000	10.18	35.31	19.63	45.49	29.81	61.76	51.76	-16.27	-21.95
3	1.42311	10.33	21.25	8.69	31.58	19.02	56.00	46.00	-24.42	-26.98
4	4.26600	10.40	25.24	8.69	35.64	19.09	56.00	46.00	-20.36	-26.91
5	5.16600	10.41	19.45	6.53	29.86	16.94	60.00	50.00	-30.14	-33.06
6	14.04200	10.51	15.18	8.74	25.69	19.25	60.00	50.00	-34.31	-30.75

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

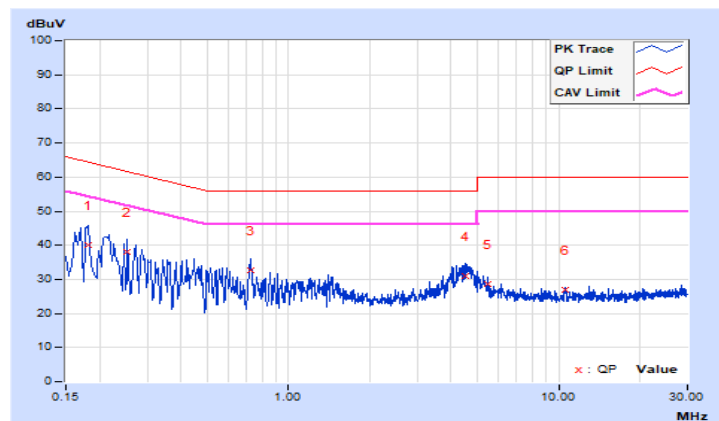


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	B		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18085	10.17	29.85	10.23	40.02	20.40	64.45	54.45	-24.43	-34.05
2	0.25400	10.21	27.69	12.95	37.90	23.16	61.63	51.63	-23.73	-28.47
3	0.72600	10.29	22.43	12.86	32.72	23.15	56.00	46.00	-23.28	-22.85
4	4.49400	10.41	20.66	8.18	31.07	18.59	56.00	46.00	-24.93	-27.41
5	5.44600	10.43	18.29	6.38	28.72	16.81	60.00	50.00	-31.28	-33.19
6	10.52200	10.52	16.39	6.02	26.91	16.54	60.00	50.00	-33.09	-33.46

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

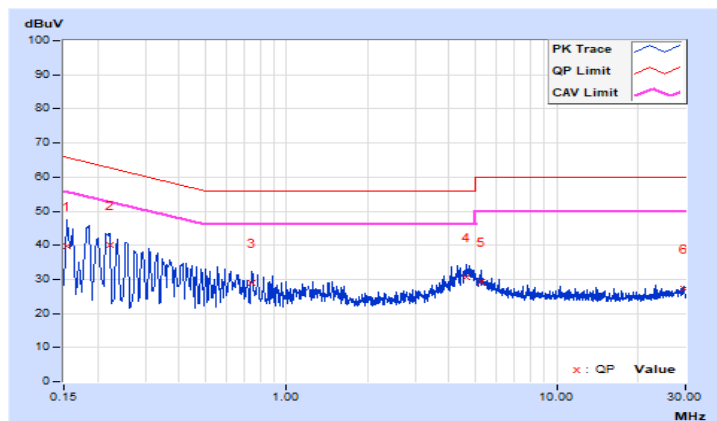


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	C		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.13	29.68	13.92	39.81	24.05	65.78	55.78	-25.97	-31.73
2	0.22152	10.17	30.02	14.37	40.19	24.54	62.76	52.76	-22.57	-28.22
3	0.74600	10.27	18.80	8.22	29.07	18.49	56.00	46.00	-26.93	-27.51
4	4.65400	10.41	20.15	6.02	30.56	16.43	56.00	46.00	-25.44	-29.57
5	5.24200	10.41	18.81	5.50	29.22	15.91	60.00	50.00	-30.78	-34.09
6	29.51000	10.32	17.08	6.64	27.40	16.96	60.00	50.00	-32.60	-33.04

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

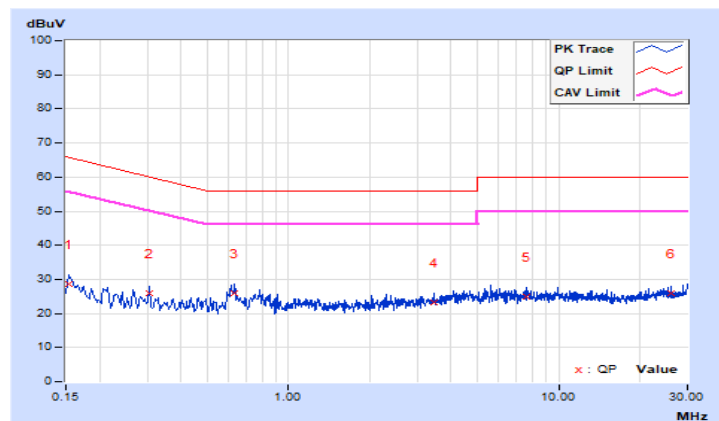


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	C		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.14	18.51	6.89	28.65	17.03	65.78	55.78	-37.13	-38.75
2	0.30600	10.23	15.53	2.20	25.76	12.43	60.08	50.08	-34.32	-37.65
3	0.63000	10.28	15.52	5.63	25.80	15.91	56.00	46.00	-30.20	-30.09
4	3.45800	10.39	12.81	6.46	23.20	16.85	56.00	46.00	-32.80	-29.15
5	7.60600	10.47	14.42	5.24	24.89	15.71	60.00	50.00	-35.11	-34.29
6	26.07400	10.57	15.33	4.04	25.90	14.61	60.00	50.00	-34.10	-35.39

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

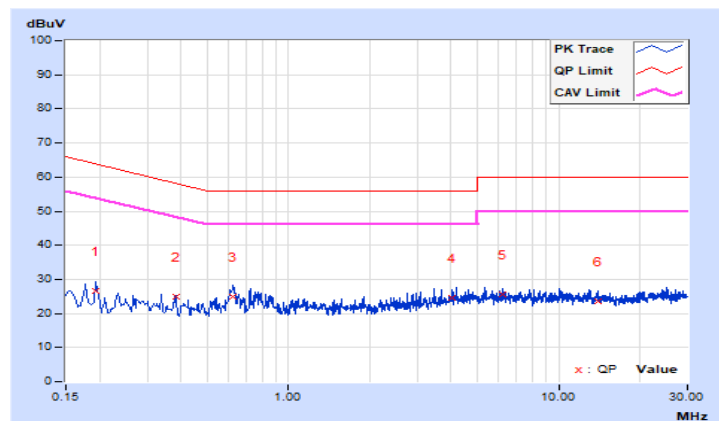


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	D		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.19400	10.16	16.51	5.67	26.67	15.83	63.86	53.86	-37.19	-38.03
2	0.38200	10.23	14.69	4.27	24.92	14.50	58.24	48.24	-33.32	-33.74
3	0.62200	10.26	14.76	4.69	25.02	14.95	56.00	46.00	-30.98	-31.05
4	4.02600	10.40	14.23	3.45	24.63	13.85	56.00	46.00	-31.37	-32.15
5	6.21400	10.42	15.01	3.30	25.43	13.72	60.00	50.00	-34.57	-36.28
6	13.97400	10.51	12.91	4.38	23.42	14.89	60.00	50.00	-36.58	-35.11

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

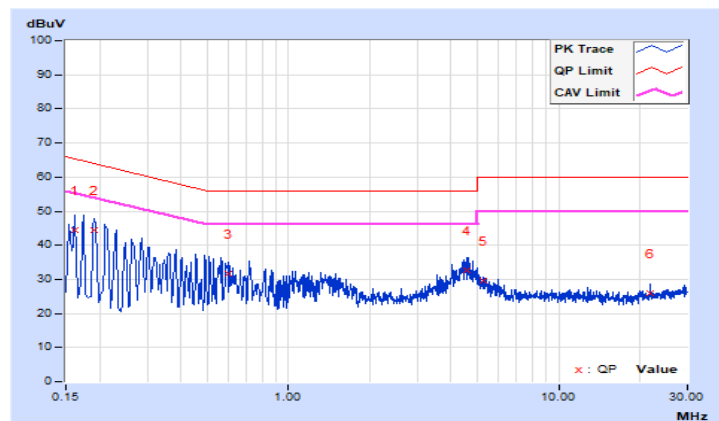


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	D		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16200	10.15	34.44	14.46	44.59	24.61	65.36	55.36	-20.77	-30.75
2	0.19000	10.18	34.33	17.01	44.51	27.19	64.04	54.04	-19.53	-26.85
3	0.59800	10.28	21.32	9.28	31.60	19.56	56.00	46.00	-24.40	-26.44
4	4.58200	10.41	22.23	4.39	32.64	14.80	56.00	46.00	-23.36	-31.20
5	5.23800	10.42	19.17	4.14	29.59	14.56	60.00	50.00	-30.41	-35.44
6	21.87000	10.69	15.15	10.13	25.84	20.82	60.00	50.00	-34.16	-29.18

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

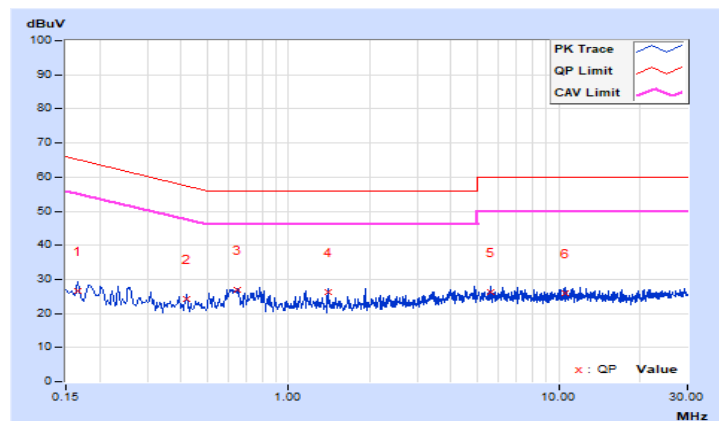


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	E		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16579	10.14	16.55	3.34	26.69	13.48	65.17	55.17	-38.48	-41.69
2	0.42200	10.24	13.94	6.45	24.18	16.69	57.41	47.41	-33.23	-30.72
3	0.64392	10.26	16.80	4.02	27.06	14.28	56.00	46.00	-28.94	-31.72
4	1.40600	10.33	15.77	2.22	26.10	12.55	56.00	46.00	-29.90	-33.45
5	5.61400	10.42	15.84	6.35	26.26	16.77	60.00	50.00	-33.74	-33.23
6	10.64200	10.47	15.54	6.34	26.01	16.81	60.00	50.00	-33.99	-33.19

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

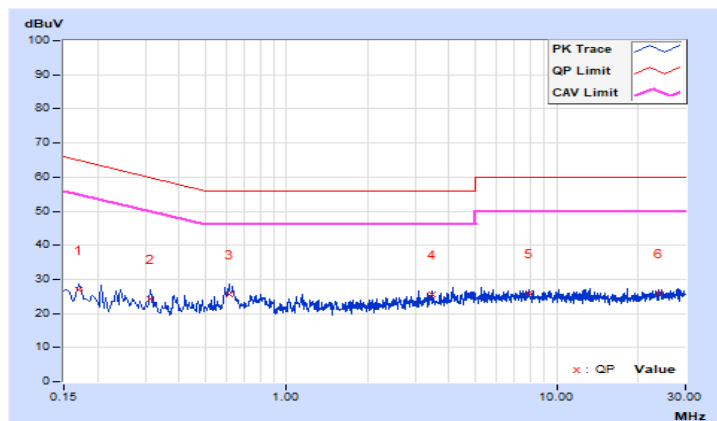


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	E		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17000	10.16	16.80	3.30	26.96	13.46	64.96	54.96	-38.00	-41.50
2	0.31400	10.23	14.15	5.75	24.38	15.98	59.86	49.86	-35.48	-33.88
3	0.61400	10.28	15.33	6.01	25.61	16.29	56.00	46.00	-30.39	-29.71
4	3.46600	10.39	15.23	5.27	25.62	15.66	56.00	46.00	-30.38	-30.34
5	7.89400	10.47	15.60	4.05	26.07	14.52	60.00	50.00	-33.93	-35.48
6	24.01000	10.63	15.20	6.11	25.83	16.74	60.00	50.00	-34.17	-33.26

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

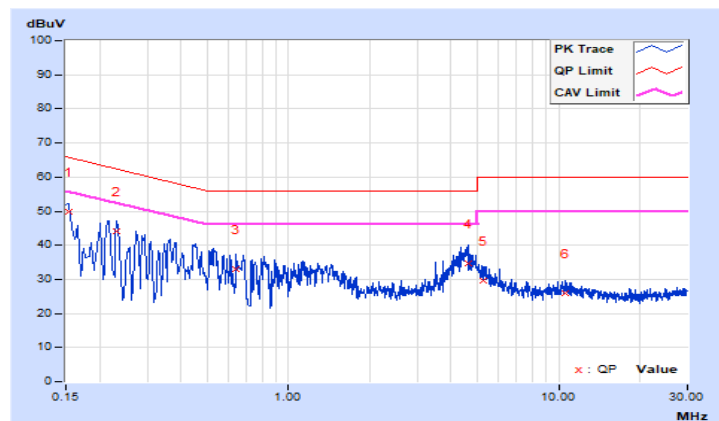


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	F		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.13	39.78	20.04	49.91	30.17	65.78	55.78	-15.87	-25.61
2	0.23000	10.17	33.80	15.35	43.97	25.52	62.45	52.45	-18.48	-26.93
3	0.64200	10.26	22.90	7.47	33.16	17.73	56.00	46.00	-22.84	-28.27
4	4.62600	10.41	24.28	9.12	34.69	19.53	56.00	46.00	-21.31	-26.47
5	5.23000	10.41	19.26	6.84	29.67	17.25	60.00	50.00	-30.33	-32.75
6	10.55000	10.47	15.52	3.13	25.99	13.60	60.00	50.00	-34.01	-36.40

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

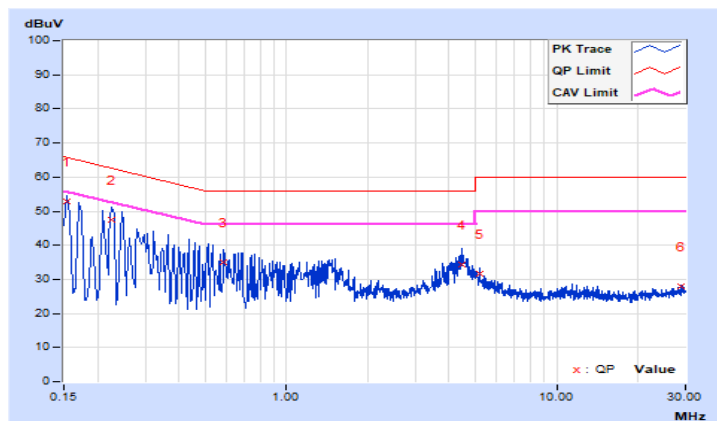


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	F		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.14	42.87	29.24	53.01	39.38	65.78	55.78	-12.77	-16.40
2	0.22600	10.20	37.41	20.27	47.61	30.47	62.60	52.60	-14.99	-22.13
3	0.58600	10.28	24.89	8.91	35.17	19.19	56.00	46.00	-20.83	-26.81
4	4.48200	10.41	23.93	8.07	34.34	18.48	56.00	46.00	-21.66	-27.52
5	5.17400	10.42	21.17	5.01	31.59	15.43	60.00	50.00	-28.41	-34.57
6	28.83800	10.48	17.35	4.69	27.83	15.17	60.00	50.00	-32.17	-34.83

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

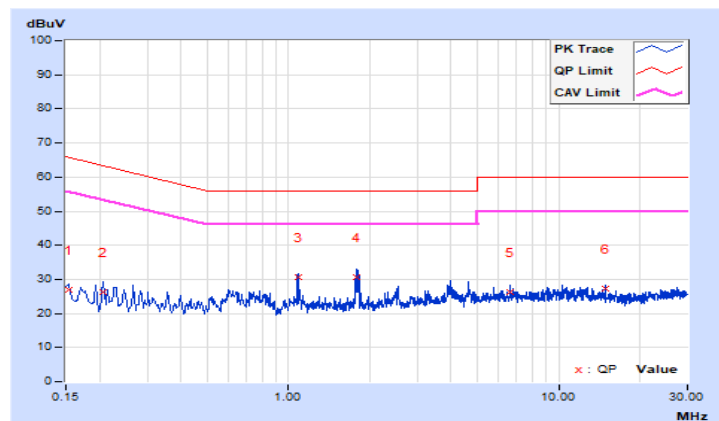


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	G		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.13	16.95	7.35	27.08	17.48	65.78	55.78	-38.70	-38.30
2	0.20600	10.16	15.97	3.95	26.13	14.11	63.37	53.37	-37.24	-39.26
3	1.08200	10.31	20.26	16.23	30.57	26.54	56.00	46.00	-25.43	-19.46
4	1.79800	10.36	20.29	16.48	30.65	26.84	56.00	46.00	-25.35	-19.16
5	6.61000	10.43	15.69	10.31	26.12	20.74	60.00	50.00	-33.88	-29.26
6	14.94200	10.52	16.62	11.55	27.14	22.07	60.00	50.00	-32.86	-27.93

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

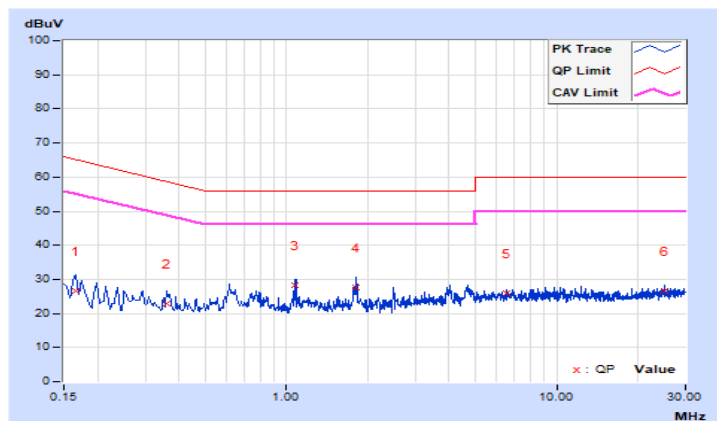


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	G		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.16579	10.16	16.35	3.46	26.51	13.62	65.17	55.17	-38.66	-41.55
2	0.36162	10.25	12.51	2.83	22.76	13.08	58.69	48.69	-35.93	-35.61
3	1.07918	10.31	18.13	13.41	28.44	23.72	56.00	46.00	-27.56	-22.28
4	1.80200	10.35	17.22	13.06	27.57	23.41	56.00	46.00	-28.43	-22.59
5	6.54200	10.45	15.61	6.27	26.06	16.72	60.00	50.00	-33.94	-33.28
6	25.17800	10.59	16.17	7.80	26.76	18.39	60.00	50.00	-33.24	-31.61

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

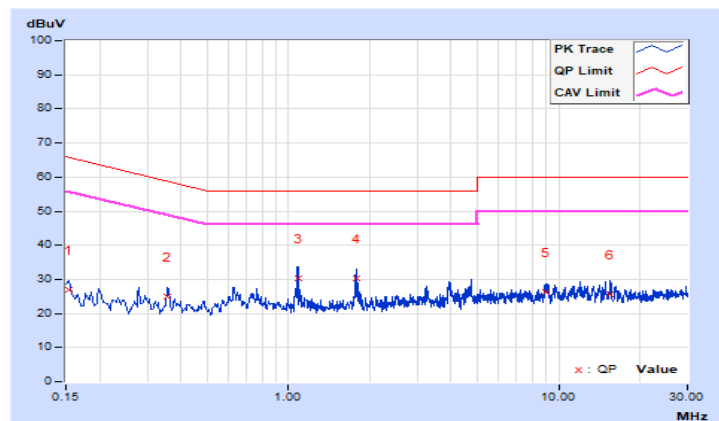


Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	H		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.13	16.81	7.32	26.94	17.45	65.78	55.78	-38.84	-38.33
2	0.35800	10.22	14.61	9.68	24.83	19.90	58.77	48.77	-33.94	-28.87
3	1.08200	10.31	19.89	15.81	30.20	26.12	56.00	46.00	-25.80	-19.88
4	1.77800	10.35	20.04	13.75	30.39	24.10	56.00	46.00	-25.61	-21.90
5	9.02200	10.45	15.68	8.40	26.13	18.85	60.00	50.00	-33.87	-31.15
6	15.57000	10.53	14.90	12.95	25.43	23.48	60.00	50.00	-34.57	-26.52

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

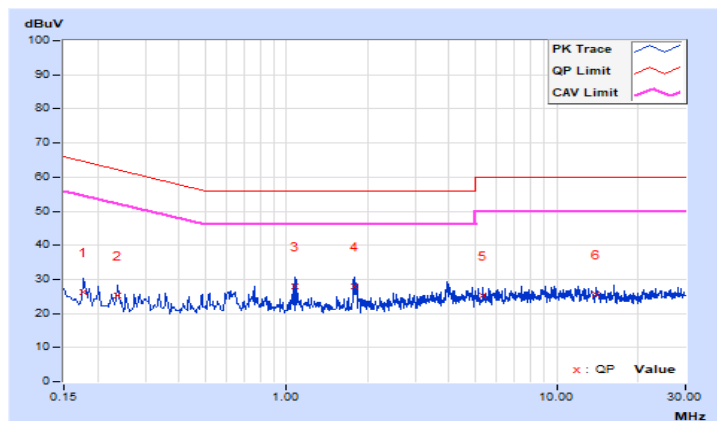


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	H		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.17800	10.17	16.01	3.05	26.18	13.22	64.58	54.58	-38.40	-41.36
2	0.23786	10.20	14.91	3.29	25.11	13.49	62.17	52.17	-37.06	-38.68
3	1.07800	10.31	17.57	12.85	27.88	23.16	56.00	46.00	-28.12	-22.84
4	1.77800	10.35	17.63	10.20	27.98	20.55	56.00	46.00	-28.02	-25.45
5	5.33400	10.42	14.99	3.49	25.41	13.91	60.00	50.00	-34.59	-36.09
6	13.97000	10.59	15.06	4.57	25.65	15.16	60.00	50.00	-34.35	-34.84

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



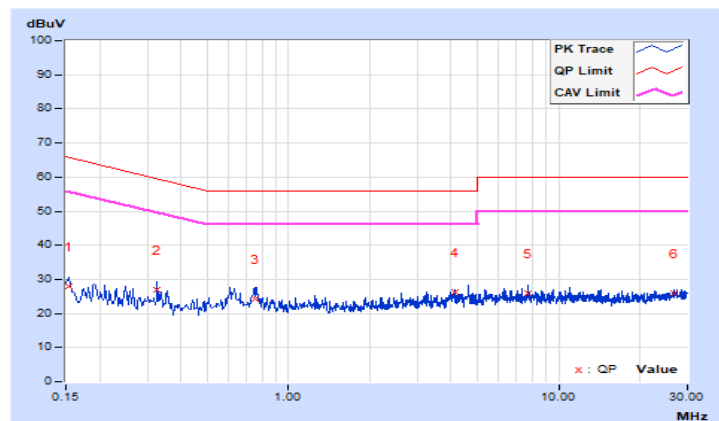
Standby Mode

Phase	Line (L)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	I		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value		Emission Level		Limit		Margin	
			[dB (uV)]		[dB (uV)]		[dB (uV)]		(dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.15400	10.13	17.88	7.31	28.01	17.44	65.78	55.78	-37.77	-38.34
2	0.32600	10.21	16.64	6.35	26.85	16.56	59.55	49.55	-32.70	-32.99
3	0.75000	10.28	14.04	4.59	24.32	14.87	56.00	46.00	-31.68	-31.13
4	4.11800	10.40	15.92	6.29	26.32	16.69	56.00	46.00	-29.68	-29.31
5	7.67400	10.44	15.63	5.15	26.07	15.59	60.00	50.00	-33.93	-34.41
6	26.81800	10.41	15.64	3.20	26.05	13.61	60.00	50.00	-33.95	-36.39

Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.

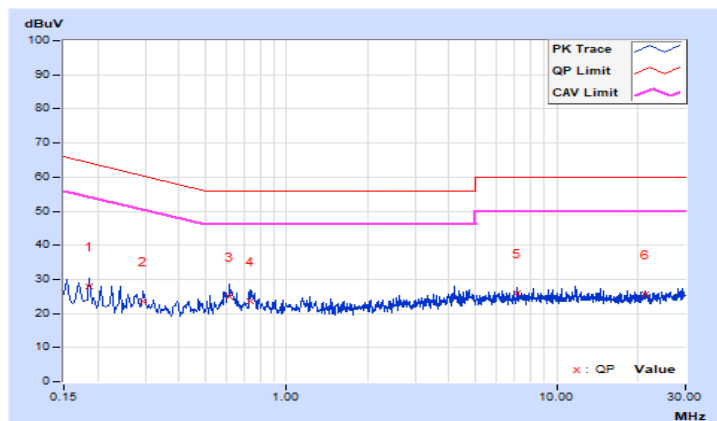


Phase	Neutral (N)	Detector Function	Quasi-Peak (QP) / Average (AV)
Test Mode	I		

No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.18600	10.18	17.75	4.81	27.93	14.99	64.21	54.21	-36.28	-39.22
2	0.29400	10.22	13.32	3.76	23.54	13.98	60.41	50.41	-36.87	-36.43
3	0.61734	10.28	14.63	6.62	24.91	16.90	56.00	46.00	-31.09	-29.10
4	0.73000	10.29	13.14	2.81	23.43	13.10	56.00	46.00	-32.57	-32.90
5	7.10200	10.46	15.62	4.23	26.08	14.69	60.00	50.00	-33.92	-35.31
6	21.30600	10.71	14.83	4.45	25.54	15.16	60.00	50.00	-34.46	-34.84

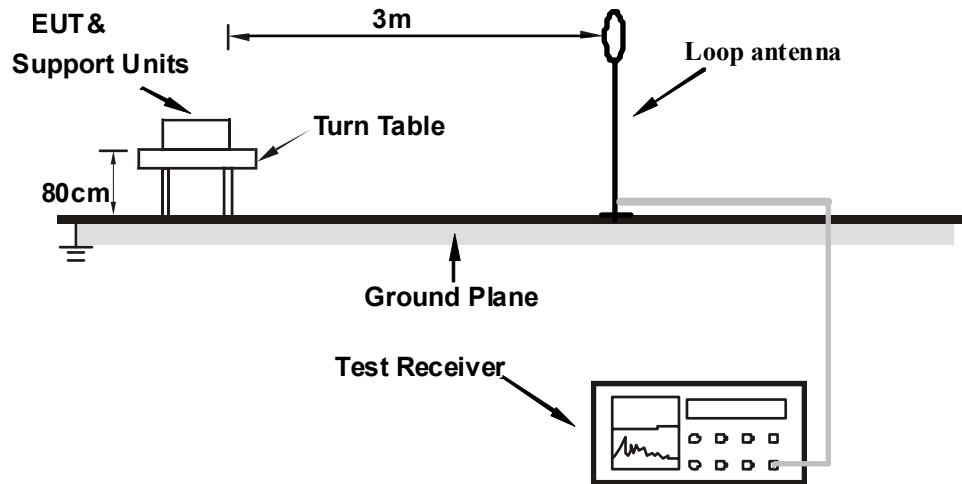
Remarks:

1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
2. The emission levels of other frequencies were very low against the limit.
3. Margin value = Emission level - Limit value
4. Correction factor = Insertion loss + Cable loss
5. Emission Level = Correction Factor + Reading Value.



4.3 20dB Bandwidth Measurement

4.3.1 Test SetUp



4.3.2 Test Instruments

Refer to section 4.1.2 to get information of above instrument.

4.3.3 Test Procedure

- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter Semi-anechoic chamber room. The table was rotated 360 degrees to determine the position of the highest radiation. Then the Loop antenna was rotated 360 degrees to determine the position of the highest radiation.
- The antenna is a broadband loop antenna, which is fixed of a 1m height above the ground, and set away from 3m to the EUT to find the disturbance reading on each frequency.
- The test-receiver system was set to Quasi-peak detect function and specified bandwidth.

4.3.4 Deviation from Test Standard

No deviation.

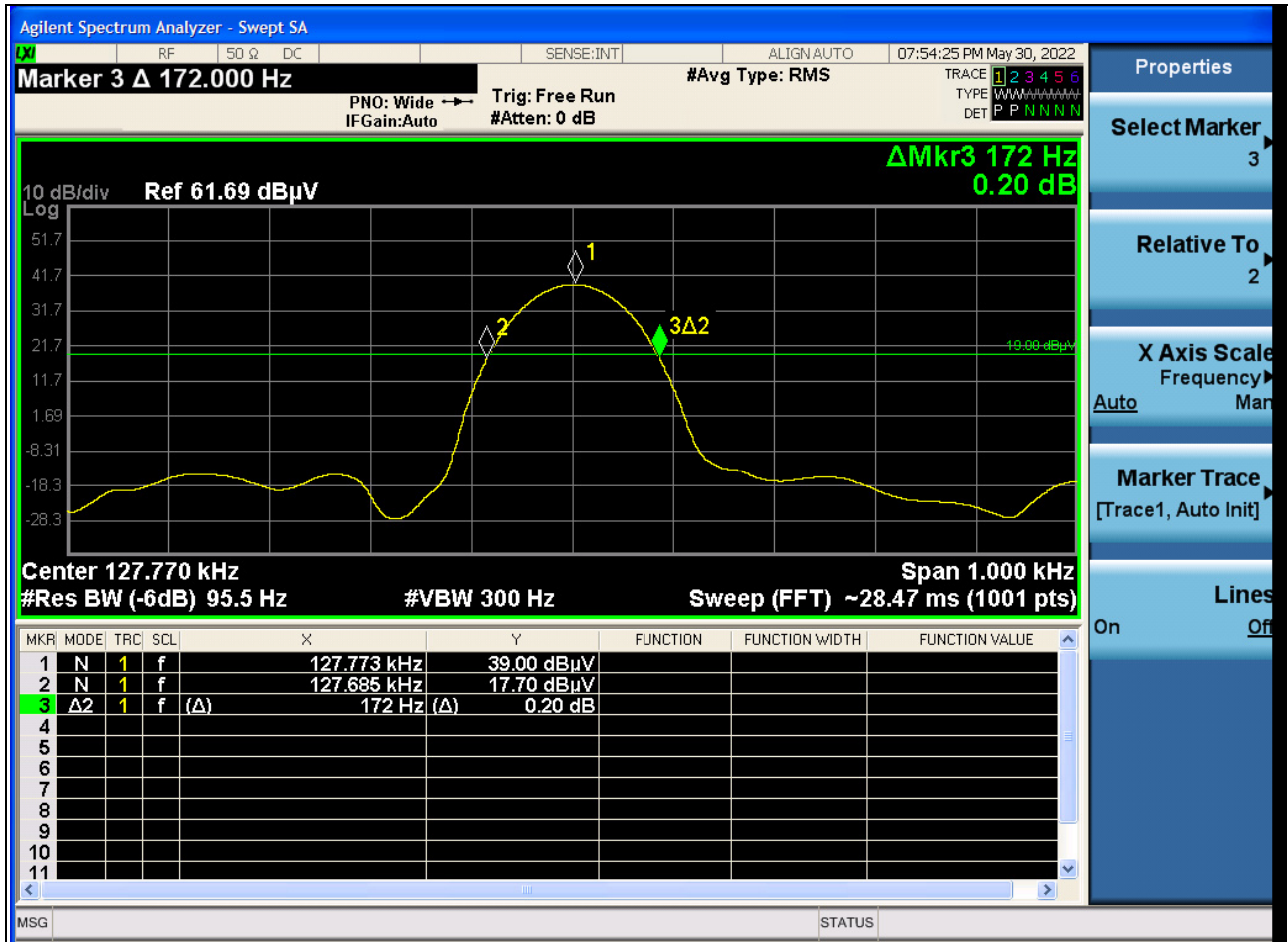
4.3.5 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously.

4.3.6 Test Results

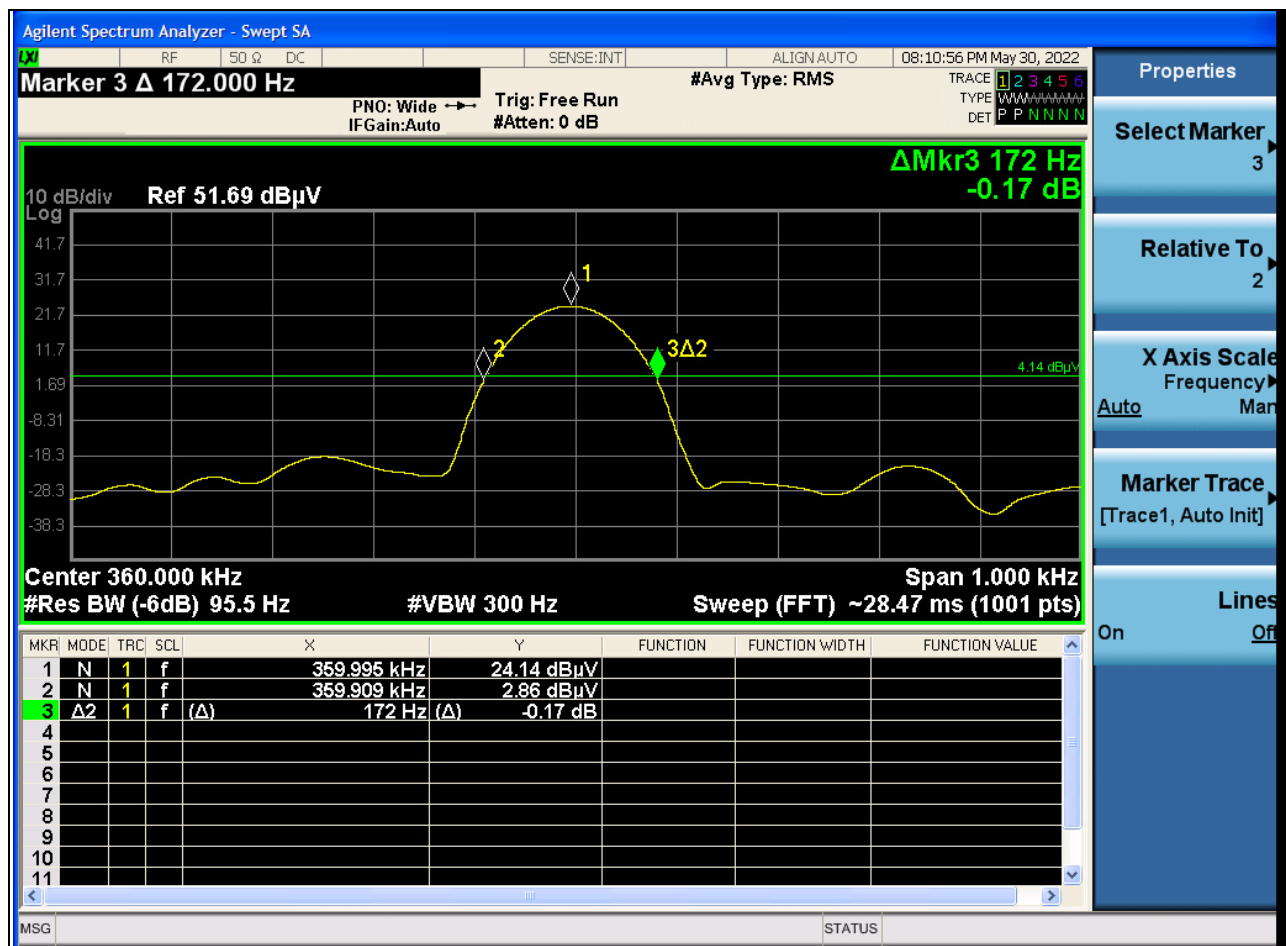
Test Mode A

Frequency (kHz)	20dB Bandwidth (Hz)	Pass / Fail
127.7	172	Pass



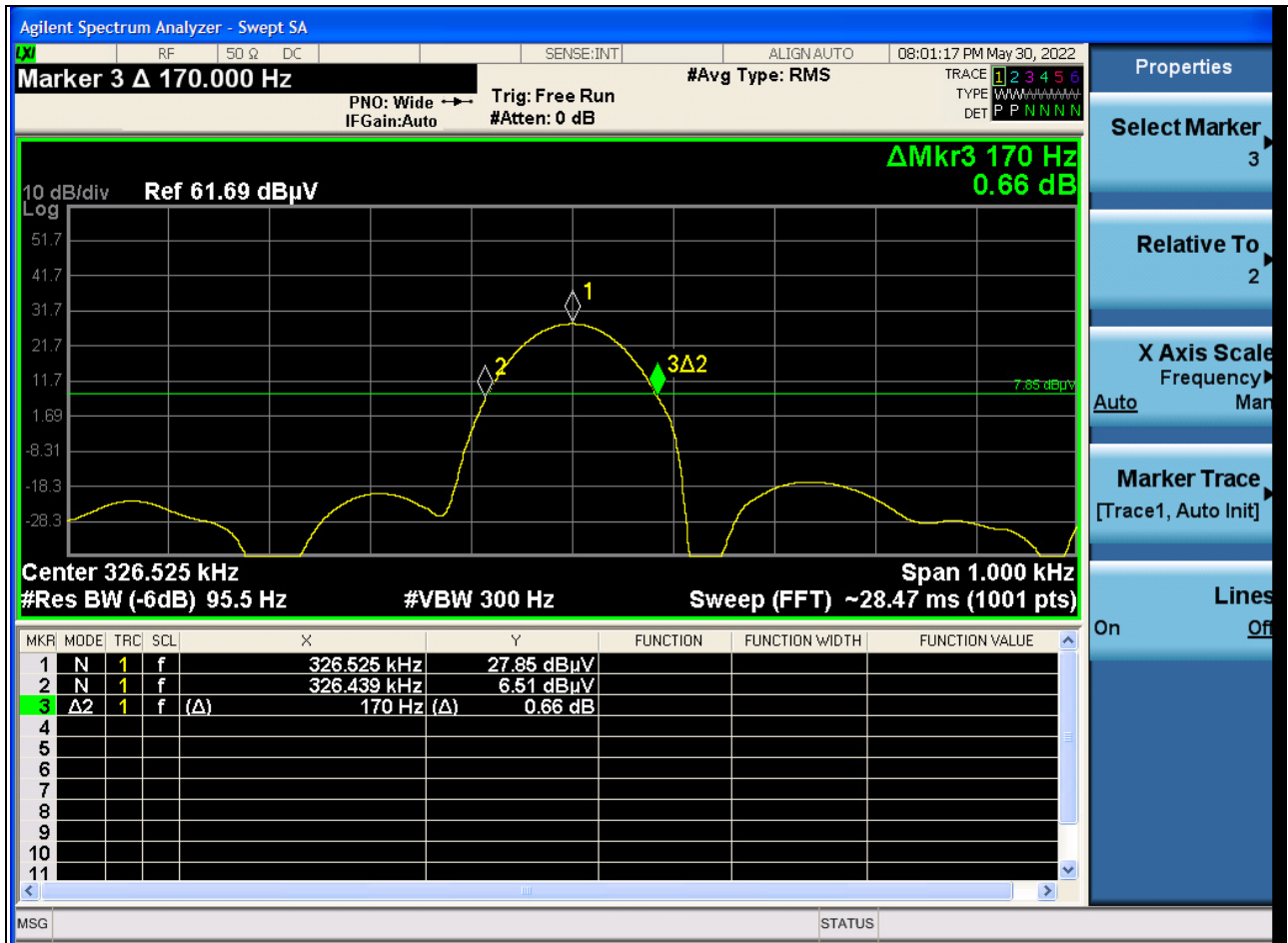
Test Mode B

Frequency (kHz)	20dB Bandwidth (Hz)	Pass / Fail
360.0	172	Pass



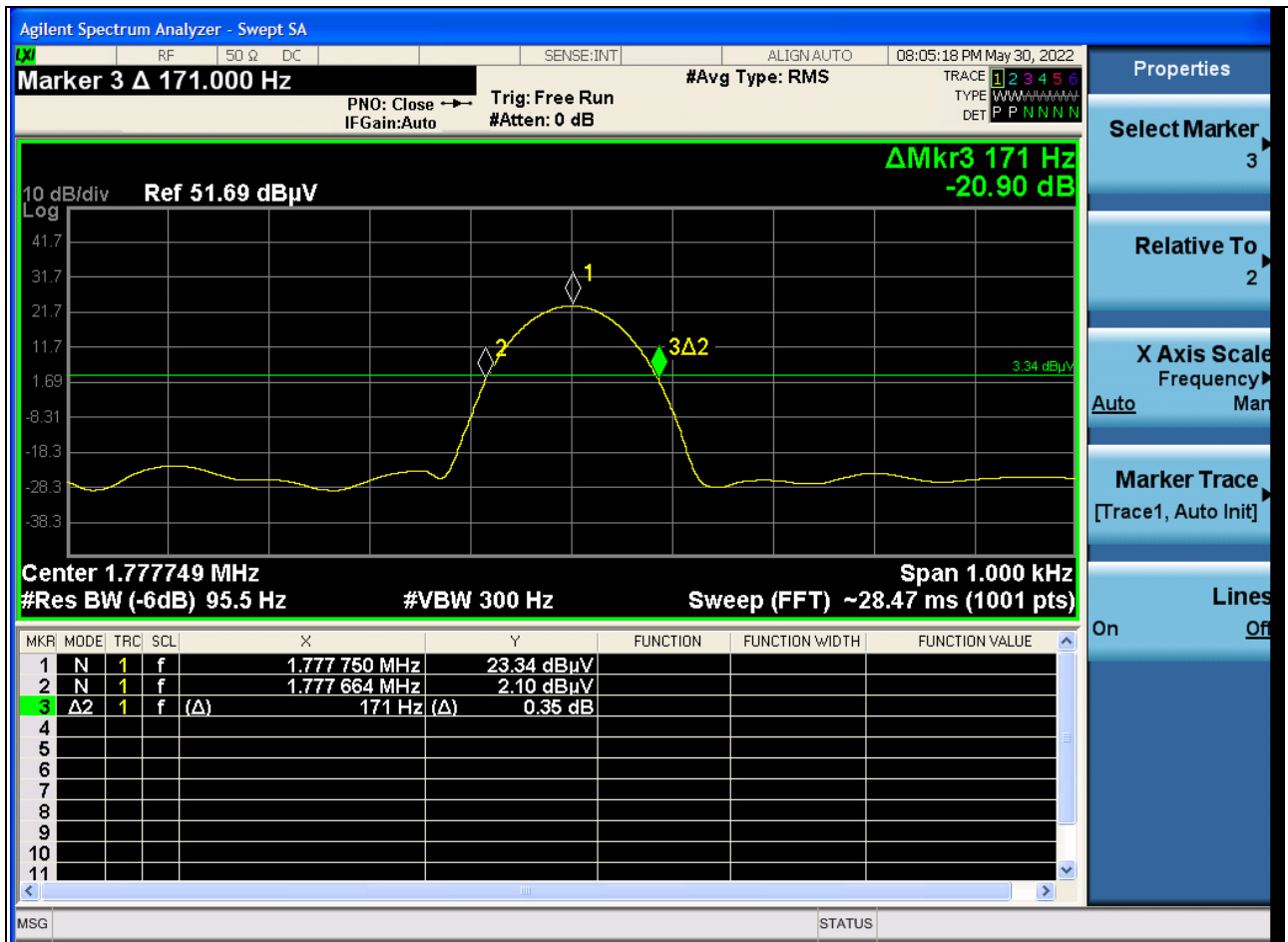
Test Mode C

Frequency (kHz)	20dB Bandwidth (Hz)	Pass / Fail
326.5	170	Pass



Test Mode D

Frequency (MHz)	20dB Bandwidth (Hz)	Pass / Fail
1.778	171	Pass



5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

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