

47 CFR PART 15 SUBPART C REPORT

For
Capsule

MODEL NUMBER: CP-US-7009

REPORT NUMBER: 4791713243-1

ISSUE DATE: Oct. 11, 2025

FCC ID: 2ATXZCP7001

Prepared for
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Prepared by
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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	Oct. 11, 2025	Initial Issue	\

Note: this is a report based on original report No.: 4790760253-1 which is issued by UL-CCIC COMPANY LIMITED on Mar. 28, 2023, the antenna of the EUT changed, radiation emission test is re-performed, all conducted results are levered from original report No.: 4790760253-1.

Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Antenna Requirement	N/A	FCC Part 15.203/15.247 (c)	Note 2
AC Power Line Conducted Emission	ANSI C63.10-2020, Clause 6.2	FCC Part 15.207	N/A
Conducted Output Power	ANSI C63.10-2020, Clause 11.9.1.2	FCC Part 15.247 (b)(3)	Note 2
6dB Bandwidth and 99% Occupied Bandwidth	ANSI C63.10-2020, Clause 11.8.1	FCC Part 15.247 (a)(2)	Note 2
Power Spectral Density	ANSI C63.10-2020, Clause 11.10.2	FCC Part 15.247 (e)	Note 2
Conducted Band edge and spurious emission	ANSI C63.10-2020, Clause 11.11	FCC Part 15.247(d)	Note 2
Radiated Band edge and Spurious Emission	ANSI C63.10-2020, Clause 11.12	FCC Part 15.247 (d) FCC Part 15.205/15.209	Pass
Duty Cycle	ANSI C63.10-2020, Clause 11.6	None; for reporting purposes only.	Note 2

Note:

1. N/A = not applicable
2. Covered by original filing.
3. This test report is only published to and used by the applicant, and it is not for evidence purpose in China.
4. The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART C> when <Simple Acceptance> decision rule is applied.

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: AnX Robotica Corp.
Address: 6010 W Spring Creek Pkwy Plano, TX 75024, USA

Manufacturer Information

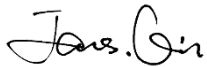
Company Name: ANKON Technologies Co., Ltd.
Address: D3-4 Biolake, No .666, Hi-Tech Road, East Lake New Technology Development Zone, Wuhan, 430075 Hubei, China

EUT Information

EUT Name: Capsule
Model: CP-US-7009
Brand: \
Sample Received Date: Sep. 12, 2025
Sample Status: Normal
Sample ID: 8381711
Date of Tested: Sep. 18, 2025 to Sep. 27, 2025

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
CFR 47 FCC PART 15 SUBPART C	Pass

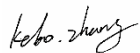
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Operations Leader

Approved By:



Stephen Guo

Operations Manager

2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 15, ANSI C63.10-2020.

3. FACILITIES AND ACCREDITATION

Accreditation Certificate	A2LA (Certificate No.: 4102.01) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA. FCC (FCC Designation No.: CN1187) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules ISED (Company No.: 21320) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with ISED. The Company Number is 21320 and the test lab Conformity Assessment Body Identifier (CABID) is CN0046. VCCI (Registration No.: C-20202, G-20240, R-20248 and T-20202) UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the membership No. is 3793. Facility Name: Chamber E, the VCCI registration No. is G-20240 and R-20248 Shielding Room F, the VCCI registration No. is C-20202 and T-20202
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Note:

1. All tests measurement facilities use to collect the measurement data are located at Room 101, Building 2, No.4, Information Road, Songshan Lake, Dongguan, Guangdong, China.
2. The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.
3. For below 30MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30MHz had been correlated to measurements performed on an OFS.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

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

Test Item	Uncertainty
Conduction emission	3.62 dB
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB
Radiated Emission (Included Fundamental Emission) (1 GHz to 26 GHz)	5.78 dB (1 GHz ~ 18 GHz)
	5.23 dB (18 GHz ~ 26 GHz)
Duty Cycle	±0.028%
DTS and 99% Occupied Bandwidth	±0.0196%
Maximum Conducted Output Power	±0.686 dB
Maximum Power Spectral Density Level	±0.743 dB
Conducted Band-edge Compliance	±1.328 dB
Conducted Unwanted Emissions In Non-restricted Frequency Bands	±0.746 dB (9 kHz ~ 1 GHz)
	±1.328dB (1 GHz ~ 26 GHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Capsule
Model	CP-US-7009
Radio Technology	915MHz RF
Operation frequency	905MHz ~ 925MHz
Modulation	8-FSK
Data Rate	4Mbps
Power Supply	DC 3V

5.2. CHANNEL LIST

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	905	7	911	13	917	19	923
2	906	8	912	14	918	20	924
3	907	9	913	15	919	21	925
4	908	10	914	16	920		
5	909	11	915	17	921		
6	910	12	916	18	922		

5.3. TEST CHANNEL CONFIGURATION

Test Mode	Test Channel	Frequency
8-FSK	CH 1 (Low Channel) CH 11 (MID Channel) CH 21 (High Channel)	905 MHz 915 MHz 925 MHz

5.4. MAXIMUM AVERAGE OUTPUT POWER

Number of Transmit Chains (NTX)	Frequency (MHz)	Channel Number	Max Average Conducted Power (dBm)
1	905-925	1-21[11]	10.55

Note: the maximum re-measured power is not greater than the original maximum power value 10.84 dBm.

5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter under 902 ~ 928MHz Band				
Test Software Version		/		
Modulation Type	Transmit Antenna Number	Test Software setting value		
		CH 1	CH 11	CH 21
8-FSK	1	default	default	default

5.6. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna	Frequency (MHz)	Antenna Type	MAX Antenna Gain (dBi)
1	905-925	Embedded FPC Antenna	-33.91

Test Mode	Transmit and Receive Mode	Description
8-FSK	☒ 1TX, 1RX	Antenna 1 can be used as transmitting/receiving antenna.

5.7. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	P/N
1	Laptop	ThinkPad	E16	/
2	Clothes	\	\	\

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	USB	USB Cable	1	/

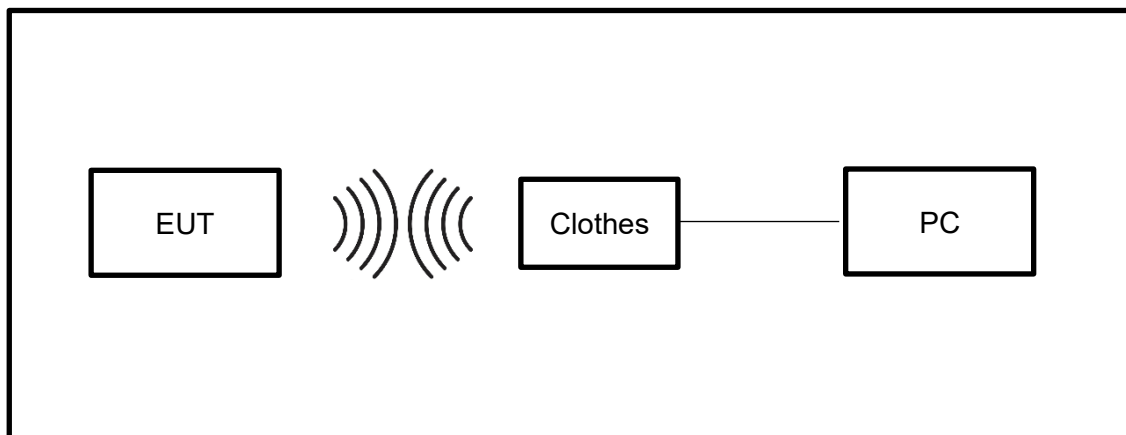
ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
1	/	/	/	/

TEST SETUP

The EUT can work in engineering mode with a software through a Laptop.

SETUP DIAGRAM FOR TESTS



6. MEASURING EQUIPMENT AND SOFTWARE USED

Radiated Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Sep.28, 2024	Sep.27, 2025
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130960	June 28, 2024	June.27 2027
Preamplifier	HP	8447D	2944A09099	Sep.28, 2024	Sep.27, 2025
EMI Measurement Receiver	R&S	ESR26	101377	Sep.28, 2024	Sep.27, 2025
Horn Antenna	TDK	HRN-0118	130940	Dec.10, 2024	Dec.11, 2027
Preamplifier	TDK	PA-02-0118	TRS-305-00067	Sep.28, 2024	Sep.27, 2025
Horn Antenna	Schwarzbeck	BBHA9170	697	Jun 30, 2024	Jun 29, 2027
Preamplifier	TDK	PA-02-2	TRS-307-00003	Sep.28, 2024	Sep.27, 2025
Preamplifier	TDK	PA-02-3	TRS-308-00002	Sep.28, 2024	Sep.27, 2025
Loop antenna	Schwarzbeck	1519B	00008	Dec.09, 2024	Dec.08, 2027
High Pass Filter	SN	WHKX10-1440-1600-15000-40SS	1	Sep.28, 2024	Sep.27, 2025
Software					
Description			Manufacturer	Name	Version
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1

Other Instrument					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Oct.8, 2024	Oct.7, 2025
Barometer	Yiyi	Baro	N/A	Oct.10, 2024	Oct.9, 2025
Attenuator	Agilent	8495B	2814a12853	Sep.28, 2024	Sep.27, 2025

7. RADIATED TEST RESULTS

LIMITS

Please refer to CFR 47 FCC §15.205 and §15.209.

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range (MHz)	Field Strength Limit (uV/m) at 3 m	Field Strength Limit (dBuV/m) at 3 m	
		Quasi-Peak	
30 - 88	100	40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	500	Peak	Average
		74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30

FCC Restricted bands of operation refer to FCC §15.205 (a):

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

Note: ¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6c

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.4.
2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
6. For measurement below 1 GHz, the initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak and average detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.
7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field site based on KDB 414788.

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to $Y-51.5 = Z$ dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.

Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

RBW	120 kHz
VBW	300 kHz
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.5.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 80 cm above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. The initial step of collecting radiated emission data is to set a spectrum analyzer peak detector mode, pre-scanning the measurement frequency range. Significant peaks then be marked and each peak mark is checked to be highest by slowing down the sweep time, rotated speed of turntable and lifting speed of receive antenna, then switch to receiver mode to read QP value for the marker whose margin is less than 3dB.

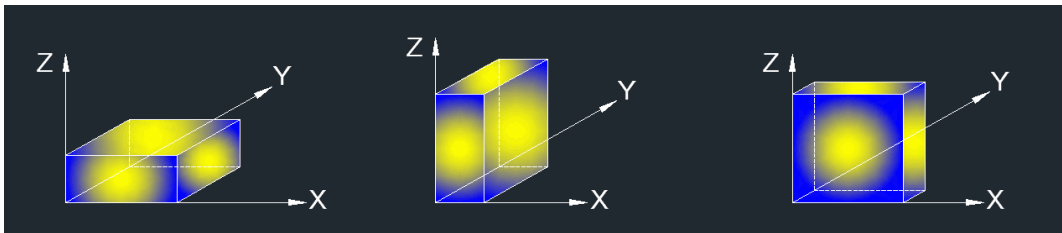
Above 1 GHz

The setting of the spectrum analyzer

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2020 clause 6.6.
2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
3. The EUT was placed on a turntable with 1.5 m above ground.
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.5. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note:

1. Measurement = Reading Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
4. All modes have been tested, but only the worst data was recorded in the report.
5. $\text{dBuA/m} = \text{dBuV/m} - 20\log_{10}[120\pi] = \text{dBuV/m} - 51.5$

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

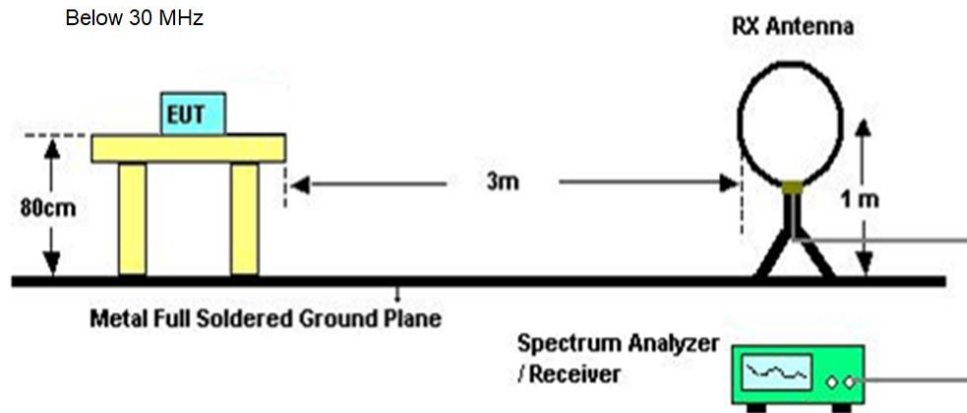
1. Result Level = Read Level + Correct Factor.
2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
3. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 10 GHz):

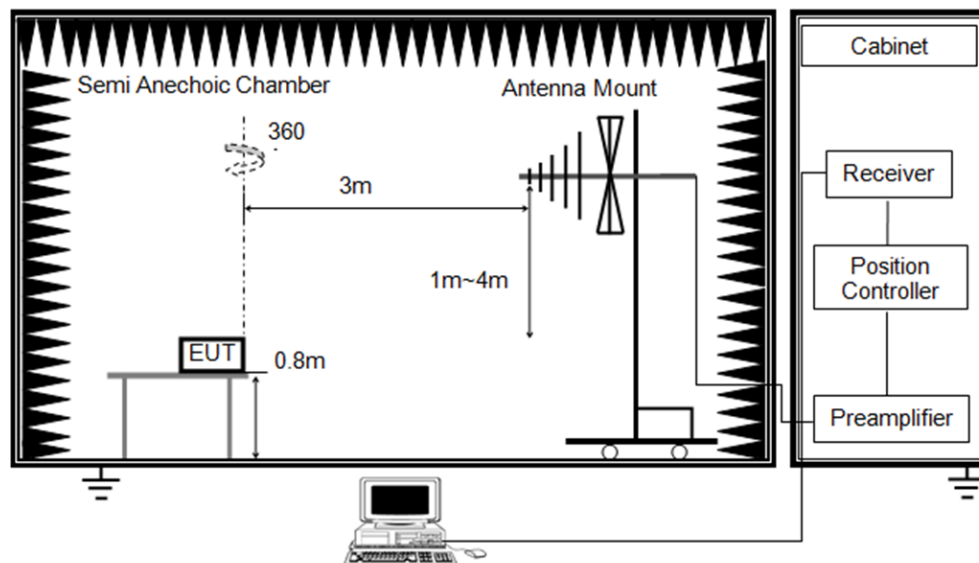
Note:

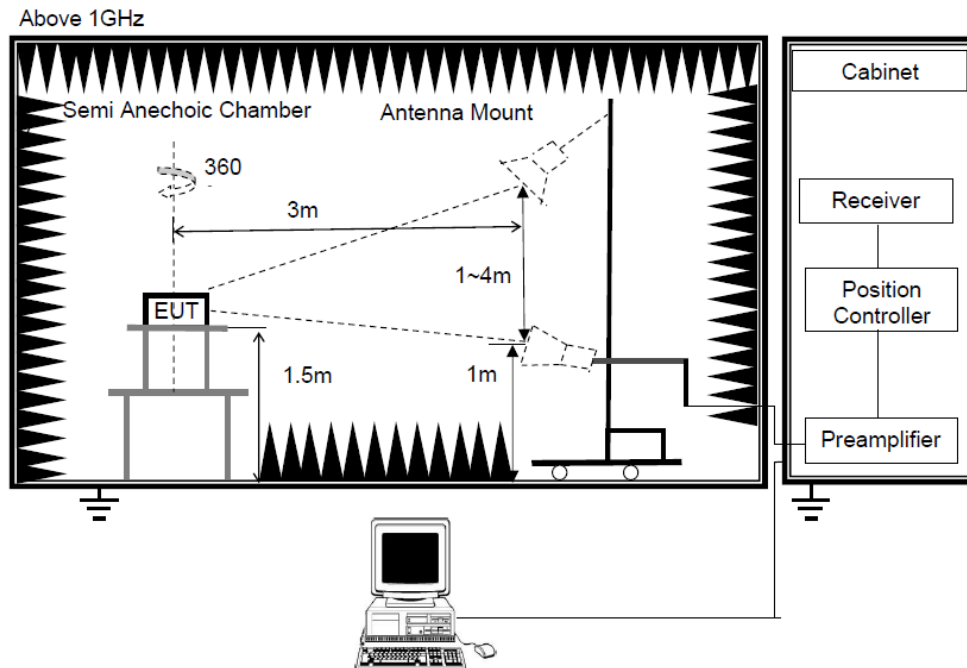
1. Peak Result = Reading Level + Correct Factor.
2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
3. Peak: Peak detector.
4. AVG: $\text{VBW} = 1/\text{Ton}$, where: Ton is the transmitting duration.
5. For the transmitting duration, please refer to clause 7.5.
6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
8. All modes have been tested, but only the worst data was recorded in the report.

TEST SETUP



Below 1 GHz and above 30 MHz





TEST ENVIRONMENT

Temperature	22.6°C	Relative Humidity	62.3%
Atmosphere Pressure	101kPa	Test Voltage	DC 12V

TEST DATE / ENGINEER

Test Date	September 15, 2025	Test By	Walker Yuan
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TEST RESULTS

7.1. SPURIOUS EMISSIONS (1 GHz ~ 10 GHz)

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, HORIZONTAL)

Test Graph



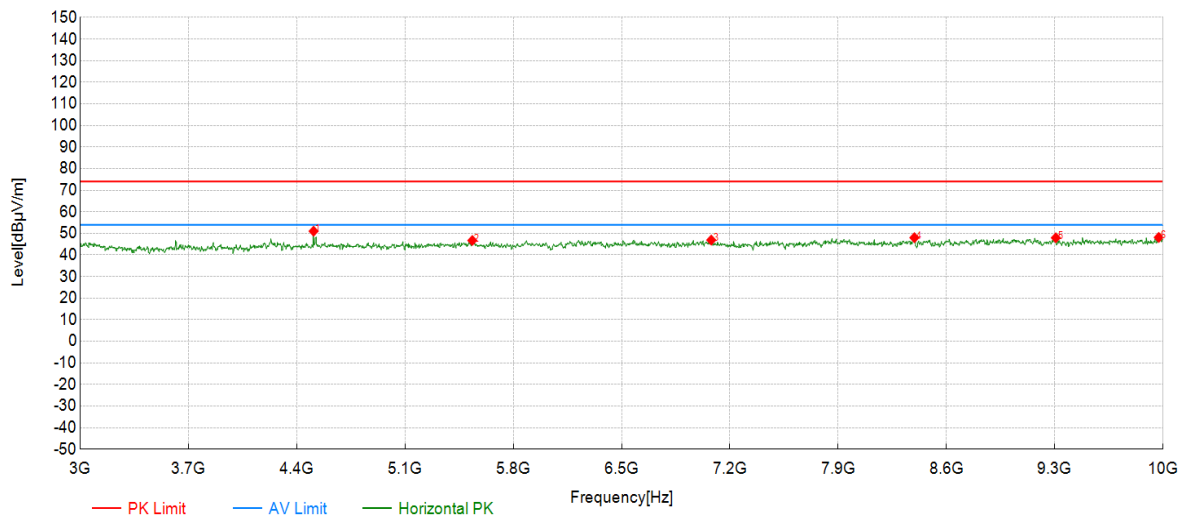
PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	1991.50	49.05	43.38	-5.67	74.00	30.62	PK	Horizontal	PASS
2	2255.63	48.08	43.33	-4.75	74.00	30.67	PK	Horizontal	PASS
3	2425.71	50.92	45.68	-5.24	74.00	28.32	PK	Horizontal	PASS
4	2664.83	51.43	46.99	-4.44	74.00	27.01	PK	Horizontal	PASS
5	2856.93	52.63	49.16	-3.47	74.00	24.84	PK	Horizontal	PASS
6	2951.98	48.63	45.67	-2.96	74.00	28.33	PK	Horizontal	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Test Graph



PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	4509.25	51.76	51.03	-0.73	74.00	22.97	PK	Horizontal	PASS
2	5535.27	45.26	46.73	1.47	74.00	27.27	PK	Horizontal	PASS
3	7079.54	41.92	46.91	4.99	74.00	27.09	PK	Horizontal	PASS
4	8392.70	41.36	48.00	6.64	74.00	26.00	PK	Horizontal	PASS
5	9306.65	40.42	47.96	7.54	74.00	26.04	PK	Horizontal	PASS
6	9971.99	40.54	48.13	7.59	74.00	25.87	PK	Horizontal	PASS

Note:(1)Level=Reading+Factor

(2)Margin=Limit-Level

HARMONICS AND SPURIOUS EMISSIONS (LOW CHANNEL, VERTICAL)

Test Graph

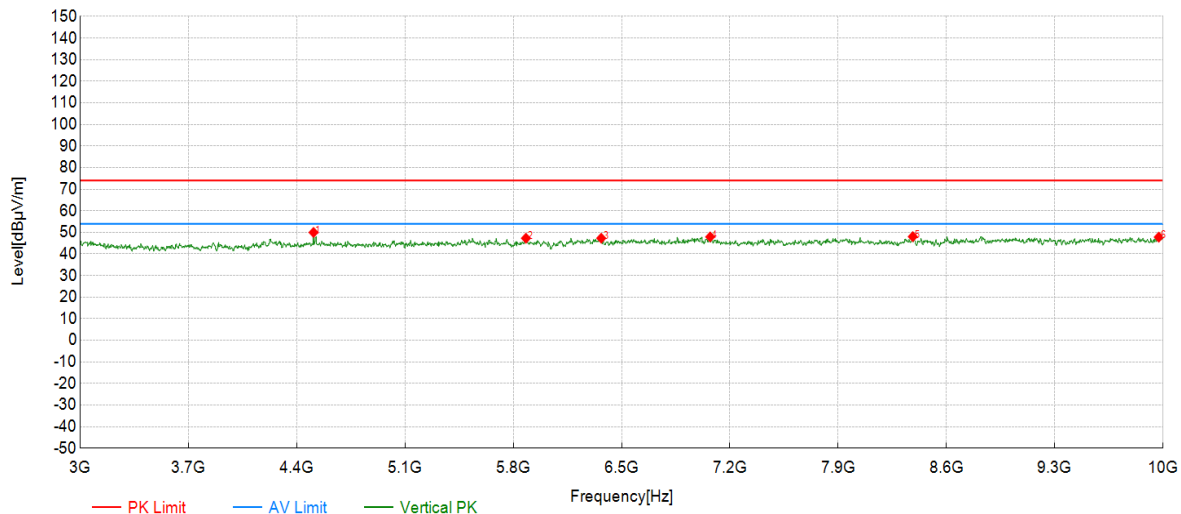


PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	1991.50	57.61	51.94	-5.67	74.00	22.06	PK	Vertical	PASS
2	2085.54	54.80	49.14	-5.66	74.00	24.86	PK	Vertical	PASS
3	2391.70	57.18	51.85	-5.33	74.00	22.15	PK	Vertical	PASS
4	2459.73	54.83	49.75	-5.08	74.00	24.25	PK	Vertical	PASS
5	2713.86	52.68	48.39	-4.29	74.00	25.61	PK	Vertical	PASS
6	2855.93	52.21	48.74	-3.47	74.00	25.26	PK	Vertical	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

Test Graph



PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	4509.25	50.71	49.98	-0.73	74.00	24.02	PK	Vertical	PASS
2	5881.94	44.86	47.28	2.42	74.00	26.72	PK	Vertical	PASS
3	6368.68	43.86	47.30	3.44	74.00	26.70	PK	Vertical	PASS
4	7072.54	42.90	47.91	5.01	74.00	26.09	PK	Vertical	PASS
5	8382.19	41.54	48.02	6.48	74.00	25.98	PK	Vertical	PASS
6	9971.99	40.21	47.80	7.59	74.00	26.20	PK	Vertical	PASS

Note:(1)Level=Reading+Factor
(2)Margin=Limit-Level

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, HORIZONTAL)

Test Graph



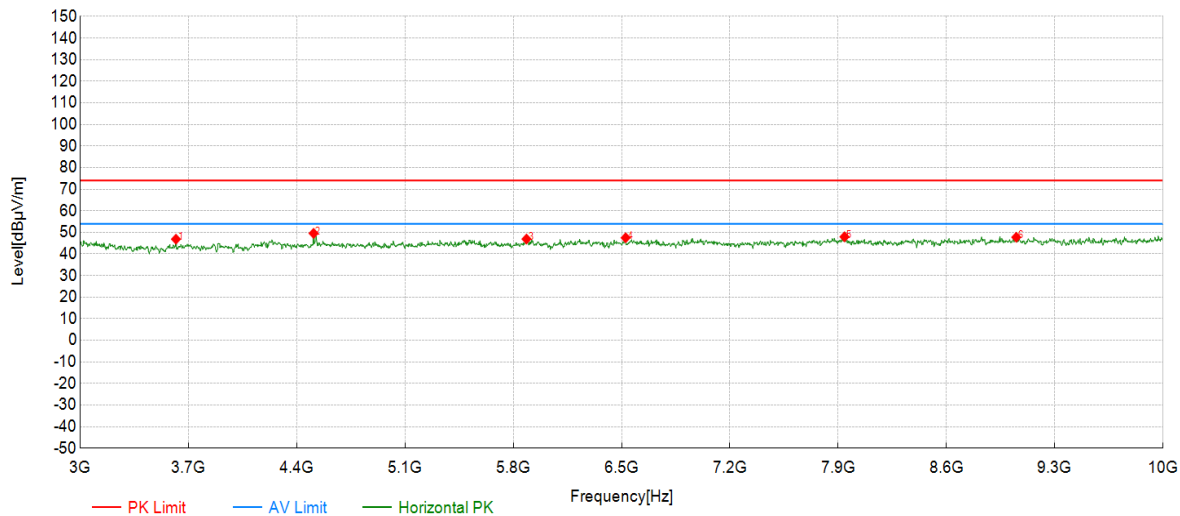
PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	1994.50	50.01	44.39	-5.62	74.00	29.61	PK	Horizontal	PASS
2	2284.64	50.43	45.60	-4.83	74.00	28.40	PK	Horizontal	PASS
3	2401.70	54.35	48.99	-5.36	74.00	25.01	PK	Horizontal	PASS
4	2659.83	51.08	46.64	-4.44	74.00	27.36	PK	Horizontal	PASS
5	2711.86	51.08	46.78	-4.30	74.00	27.22	PK	Horizontal	PASS
6	2857.93	53.23	49.75	-3.48	74.00	24.25	PK	Horizontal	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Test Graph

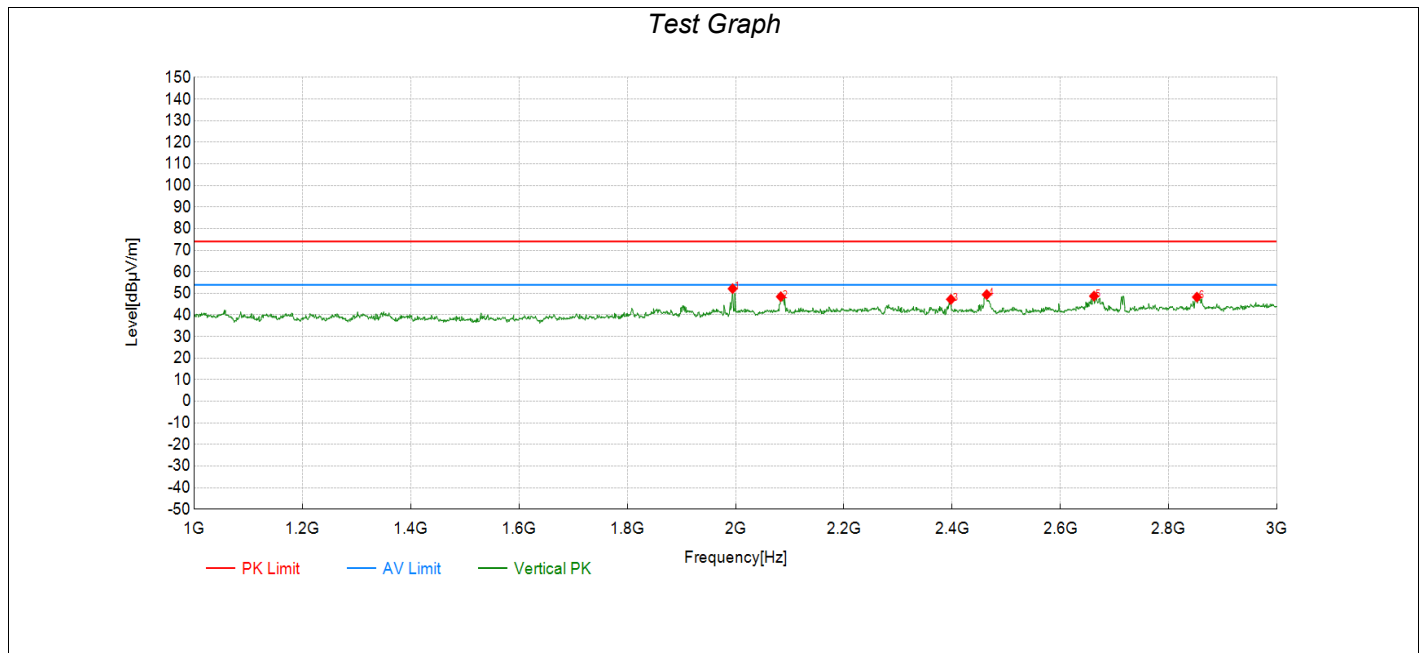


PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	3619.81	49.71	46.87	-2.84	74.00	27.13	PK	Horizontal	PASS
2	4509.25	50.29	49.56	-0.73	74.00	24.44	PK	Horizontal	PASS
3	5885.44	44.46	46.92	2.46	74.00	27.08	PK	Horizontal	PASS
4	6526.26	44.00	47.51	3.51	74.00	26.49	PK	Horizontal	PASS
5	7940.97	42.00	47.95	5.95	74.00	26.05	PK	Horizontal	PASS
6	9051.03	40.91	47.75	6.84	74.00	26.25	PK	Horizontal	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

HARMONICS AND SPURIOUS EMISSIONS (MID CHANNEL, VERTICAL)

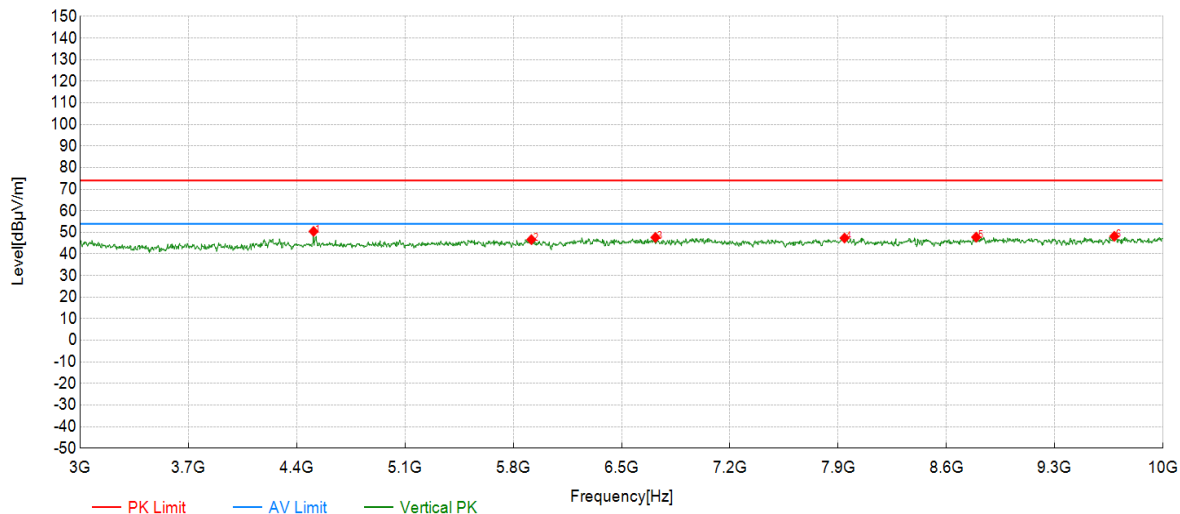


PEAK Data List									
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	1994.50	57.80	52.18	-5.62	74.00	21.82	PK	Vertical	PASS
2	2083.54	54.15	48.49	-5.66	74.00	25.51	PK	Vertical	PASS
3	2397.70	52.59	47.23	-5.36	74.00	26.77	PK	Vertical	PASS
4	2463.73	54.50	49.44	-5.06	74.00	24.56	PK	Vertical	PASS
5	2661.83	53.18	48.75	-4.43	74.00	25.25	PK	Vertical	PASS
6	2851.93	51.75	48.27	-3.48	74.00	25.73	PK	Vertical	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Test Graph

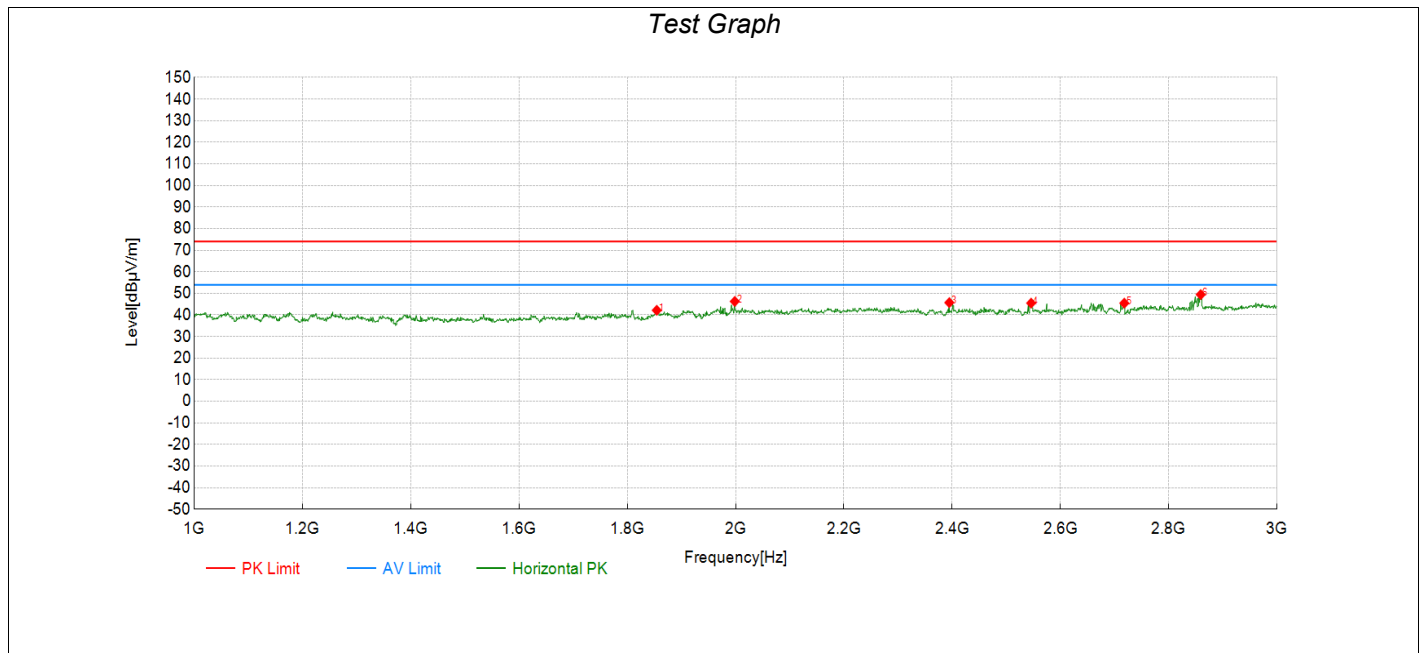


PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	4509.25	51.18	50.45	-0.73	74.00	23.55	PK	Vertical	PASS
2	5916.96	44.10	46.65	2.55	74.00	27.35	PK	Vertical	PASS
3	6718.86	43.33	47.67	4.34	74.00	26.33	PK	Vertical	PASS
4	7940.97	41.41	47.36	5.95	74.00	26.64	PK	Vertical	PASS
5	8791.90	41.37	47.81	6.44	74.00	26.19	PK	Vertical	PASS
6	9684.84	41.19	48.18	6.99	74.00	25.82	PK	Vertical	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

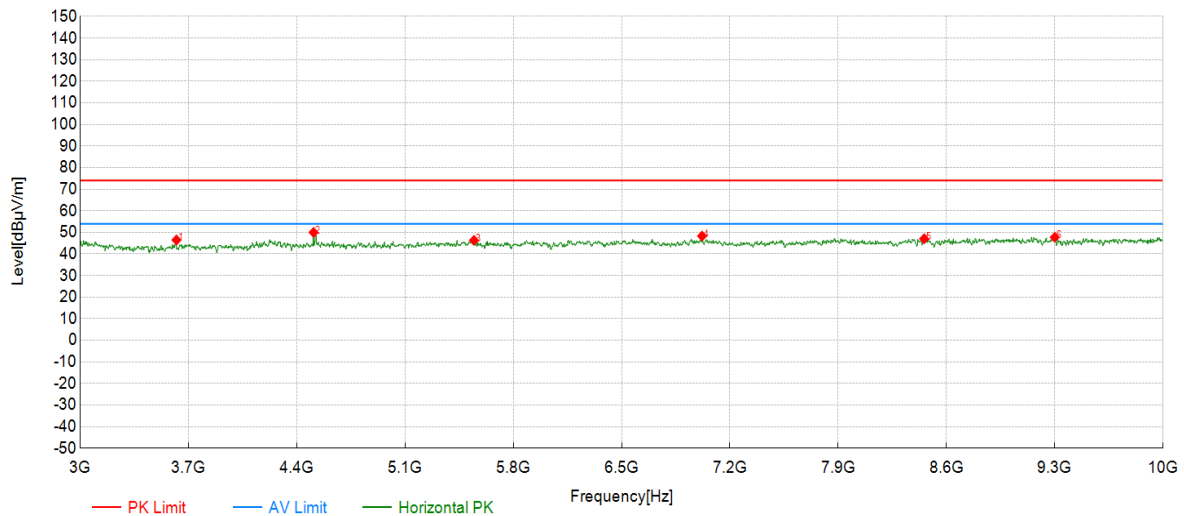
HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, HORIZONTAL)



PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	1854.43	49.64	42.16	-7.48	74.00	31.84	PK	Horizontal	PASS
2	1998.50	51.86	46.29	-5.57	74.00	27.71	PK	Horizontal	PASS
3	2394.70	51.09	45.74	-5.35	74.00	28.26	PK	Horizontal	PASS
4	2545.77	50.19	45.49	-4.70	74.00	28.51	PK	Horizontal	PASS
5	2717.86	49.73	45.47	-4.26	74.00	28.53	PK	Horizontal	PASS
6	2858.93	52.90	49.43	-3.47	74.00	24.57	PK	Horizontal	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

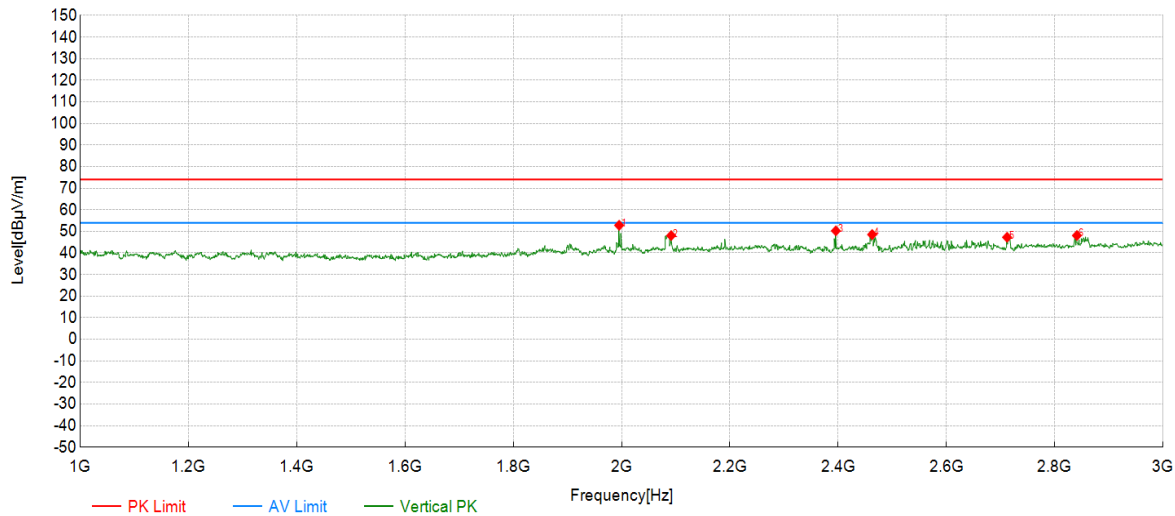
Test Graph

PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	3623.31	49.30	46.48	-2.82	74.00	27.52	PK	Horizontal	PASS
2	4509.25	50.72	49.99	-0.73	74.00	24.01	PK	Horizontal	PASS
3	5545.77	44.88	46.31	1.43	74.00	27.69	PK	Horizontal	PASS
4	7020.01	43.05	48.29	5.24	74.00	25.71	PK	Horizontal	PASS
5	8455.73	40.62	47.04	6.42	74.00	26.96	PK	Horizontal	PASS
6	9299.65	40.17	47.74	7.57	74.00	26.26	PK	Horizontal	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

HARMONICS AND SPURIOUS EMISSIONS (HIGH CHANNEL, VERTICAL)

Test Graph



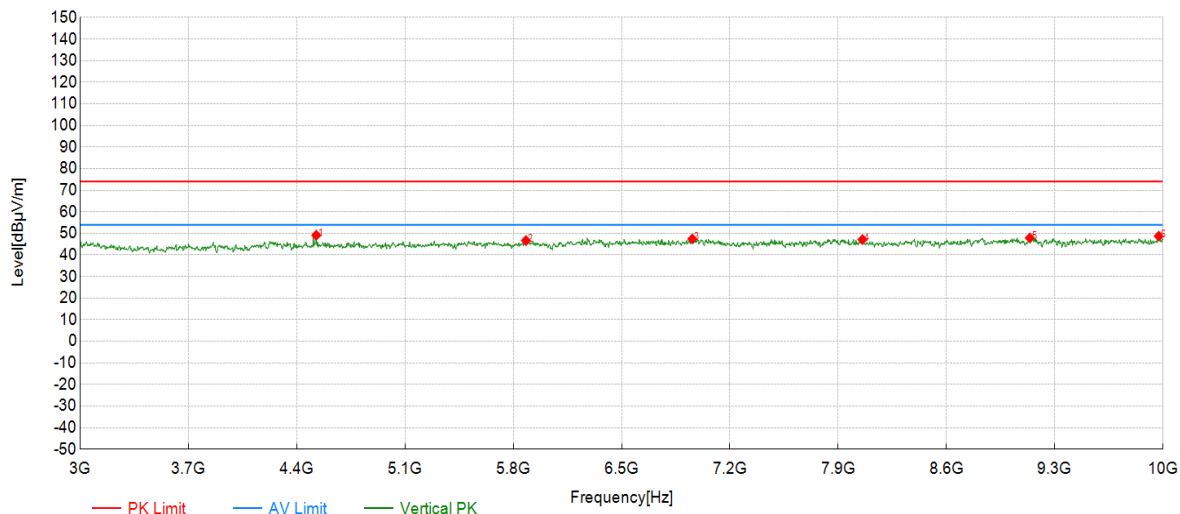
PEAK Data List

NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	1995.50	58.44	52.82	-5.62	74.00	21.18	PK	Vertical	PASS
2	2091.55	53.73	48.06	-5.67	74.00	25.94	PK	Vertical	PASS
3	2395.70	55.60	50.25	-5.35	74.00	23.75	PK	Vertical	PASS
4	2462.73	53.59	48.53	-5.06	74.00	25.47	PK	Vertical	PASS
5	2711.86	51.57	47.27	-4.30	74.00	26.73	PK	Vertical	PASS
6	2840.92	51.60	48.10	-3.50	74.00	25.90	PK	Vertical	PASS

Note: (1) Level = Reading + Factor

(2) Margin = Limit - Level

Test Graph



PEAK Data List

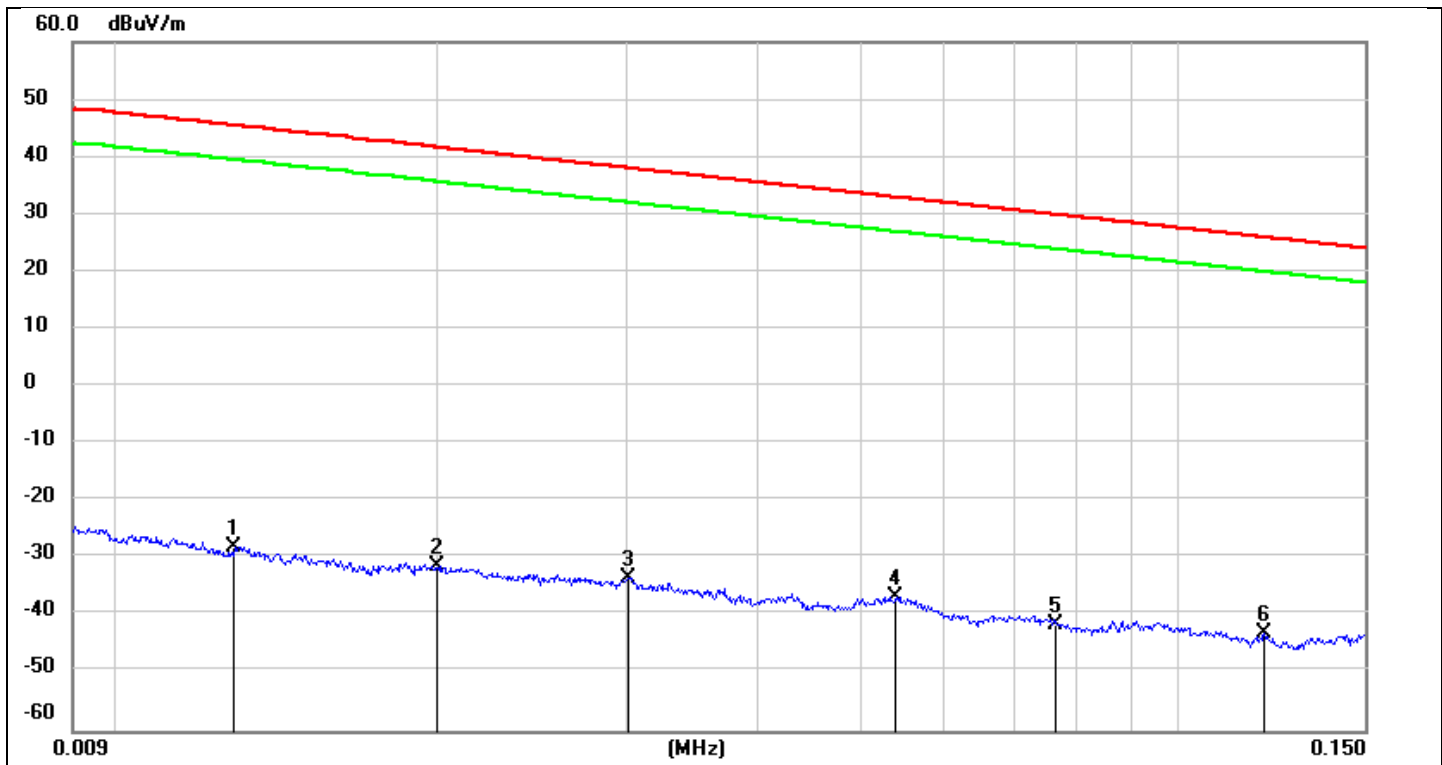
NO.	Frequency [MHz]	Reading [dBμV/m]	Level [dBμV/m]	Factor [dB/m]	Limit [dBμV/m]	Margin [dB]	Detector	Polarity	Verdict
1	4526.76	49.81	49.16	-0.65	74.00	24.84	PK	Vertical	PASS
2	5881.94	44.25	46.67	2.42	74.00	27.33	PK	Vertical	PASS
3	6956.98	42.48	47.43	4.95	74.00	26.57	PK	Vertical	PASS
4	8056.53	41.52	47.14	5.62	74.00	26.86	PK	Vertical	PASS
5	9138.57	41.02	47.90	6.88	74.00	26.10	PK	Vertical	PASS
6	9971.99	41.11	48.70	7.59	74.00	25.30	PK	Vertical	PASS

Note: (1) Level = Reading + Factor
(2) Margin = Limit - Level

7.2. SPURIOUS EMISSIONS(9 kHz~30 MHz)

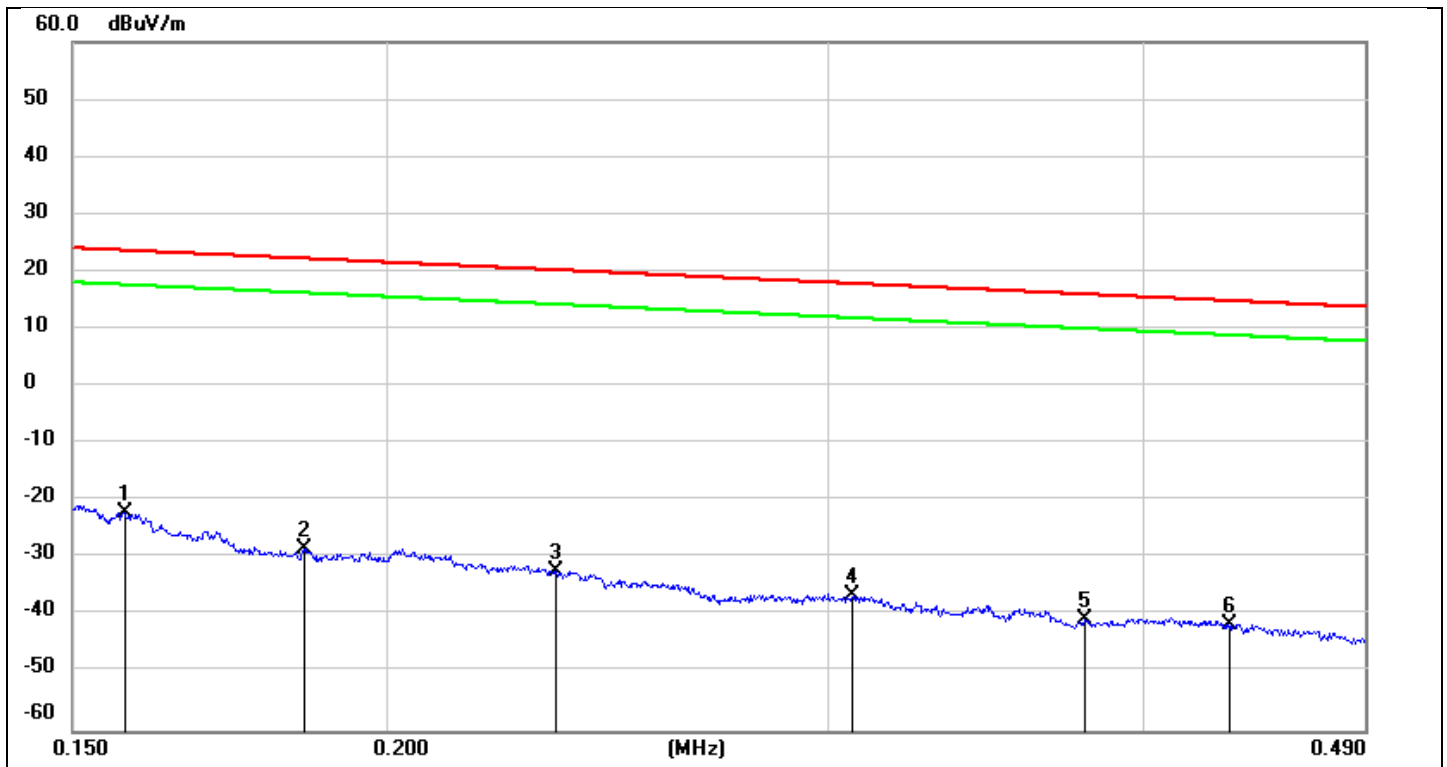
SPURIOUS EMISSIONS (HIGH CHANNEL, LOOP ANTENNA FACE ON TO THE EUT, WORST-CASE CONFIGURATION)

9 kHz~ 150 kHz



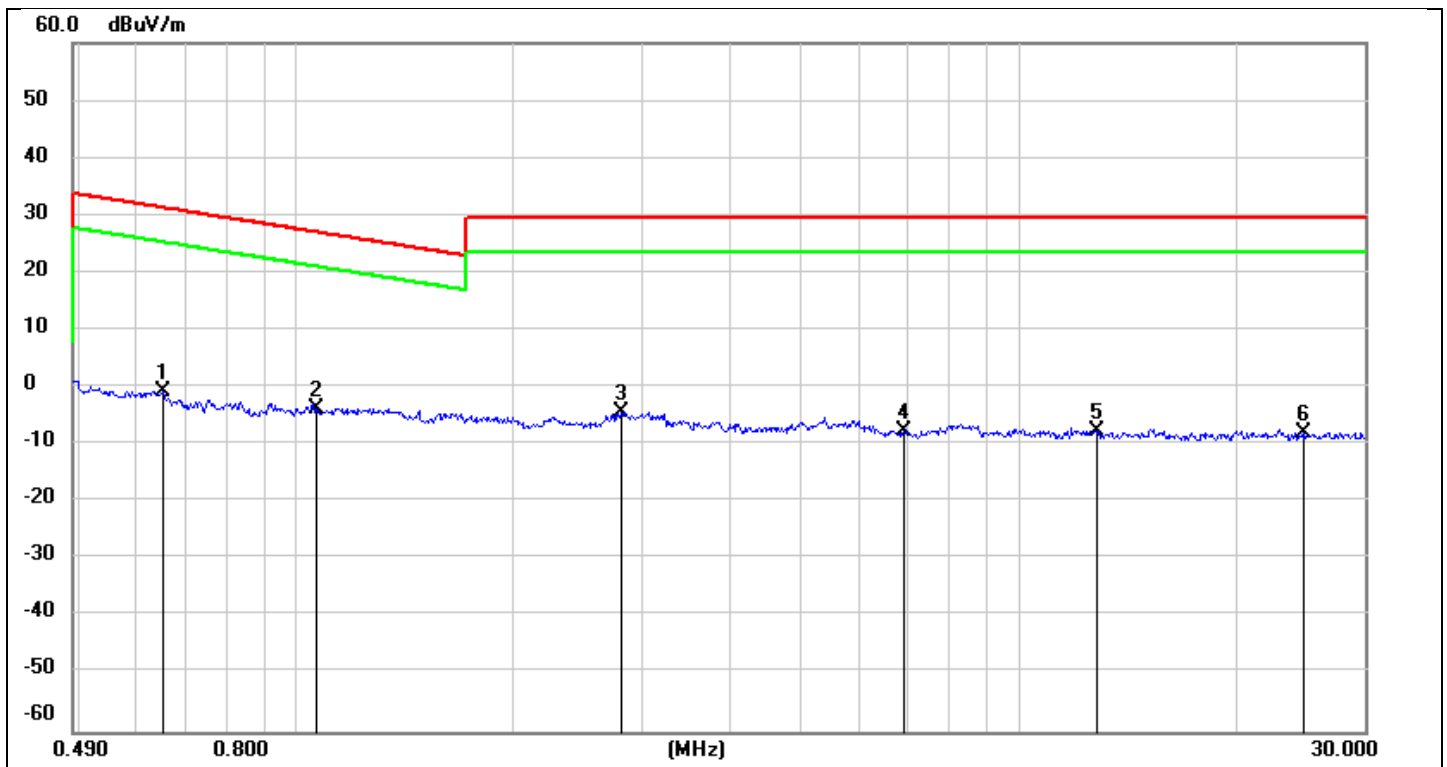
No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.0128	73.37	-101.38	-28.01	45.46	-73.47	peak
2	0.0200	69.86	-101.34	-31.48	41.58	-73.06	peak
3	0.0302	67.93	-101.39	-33.46	38.00	-71.46	peak
4	0.0541	64.76	-101.50	-36.74	32.94	-69.68	peak
5	0.0767	60.12	-101.61	-41.49	29.91	-71.40	peak
6	0.1207	58.55	-101.73	-43.18	25.97	-69.15	peak

150 kHz ~ 490 kHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.1572	79.62	-101.65	-22.03	23.67	-45.70	peak
2	0.1853	73.40	-101.70	-28.30	22.25	-50.55	peak
3	0.2336	69.58	-101.77	-32.19	20.23	-52.42	peak
4	0.3064	65.37	-101.86	-36.49	17.88	-54.37	peak
5	0.3790	61.33	-101.94	-40.61	16.03	-56.64	peak
6	0.4329	60.57	-101.99	-41.42	14.87	-56.29	peak

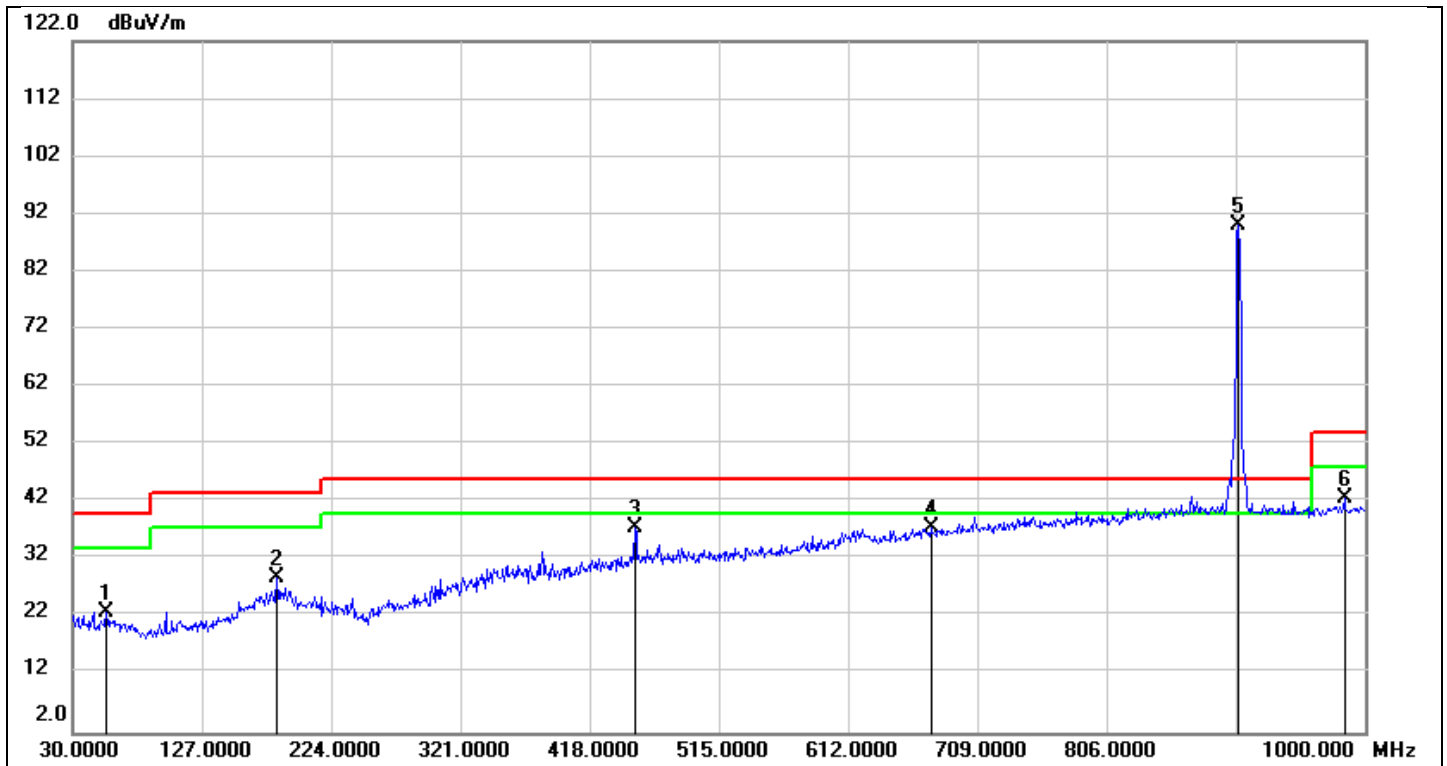
490 kHz ~ 30 MHz



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.6532	61.47	-62.10	-0.63	31.30	-31.93	peak
2	1.0620	58.51	-62.24	-3.73	27.08	-30.81	peak
3	2.8043	57.17	-61.63	-4.46	29.54	-34.00	peak
4	6.9230	53.63	-61.22	-7.59	29.54	-37.13	peak
5	12.8252	53.33	-60.92	-7.59	29.54	-37.13	peak
6	24.6585	52.50	-60.48	-7.98	29.54	-37.52	peak

7.3. SPURIOUS EMISSIONS(30 MHz~1 GHz)

SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, HORIZONTAL)

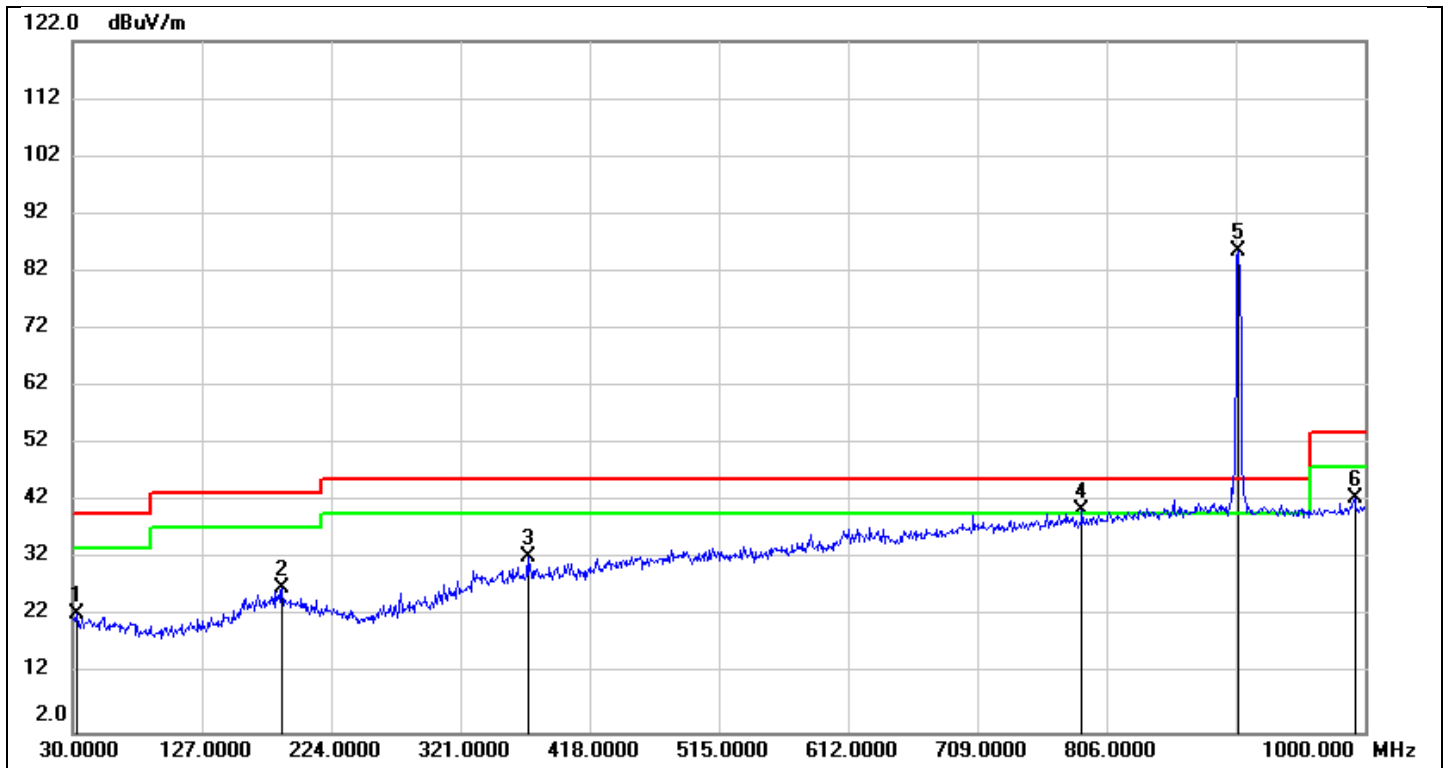


No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	55.2200	27.98	-5.00	22.98	40.00	-17.02	PK
2	183.2600	30.86	-1.87	28.99	43.50	-14.51	PK
3	451.9500	35.64	1.87	37.51	46.00	-8.49	PK
4	674.0800	32.44	5.06	37.50	46.00	-8.50	PK
5	904.9400	80.58	9.53	90.11	\	\	Fundamental
6	984.4800	33.08	9.65	42.73	54.00	-11.27	PK

Note:

1. Result Level = Read Level + Correct Factor.
2. The peak value is compliant with the QP limit, and the margin is greater than 3dB, QP value is not captured.

SPURIOUS EMISSIONS (LOW CHANNEL, WORST-CASE CONFIGURATION, VERTICAL)



No.	Frequency (MHz)	Reading (dBuV)	Correct (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	32.9100	26.89	-4.39	22.50	40.00	-17.50	PK
2	187.1400	28.91	-1.92	26.99	43.50	-16.51	PK
3	371.4400	32.05	0.44	32.49	46.00	-13.51	PK
4	787.5700	33.46	7.16	40.62	46.00	-5.38	PK
5	904.9400	75.91	9.53	85.44	\	\	Fundamental
6	992.2400	32.75	9.76	42.51	54.00	-11.49	PK

Note:

1. Result Level = Read Level + Correct Factor.
2. The peak value is compliant with the QP limit, and the margin is greater than 3dB, QP value is not captured.

8. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

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

Please refer to FCC part 15.247(b)(4)

The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

DESCRIPTION

Pass

END OF REPORT