

Test Report

Applicant : AMS SOLTECH
ZA DU CHEVALEMENT
Address : 8 RUE DES MOLETTES
59286 ROOST WARENDIN FRANCE
Product Name : 2.4GHz Digital Wireless System
Brand Mark : AMS
Model : VICAM-AMS-MS7-WL-HD
Series model : VICAM-AMS-MS9-WL-HD
FCC ID : 2BUJ3911W15
Report Number : BLA-EMC-202607-A31-02
Date of Receipt : July 7, 2026
Date of Test : July 7, 2026 to Sep. 23, 2026
Test Standard : 47 CFR Part 15, Subpart C 15.249
Test Result : Pass

Compiled by: *Hugh*Review by: *Xavier*Approved by: *Blue Zheng*
Issued Date: Sep. 23, 2026**BlueAsia Technical Services(Shenzhen) Co., Ltd.**

Address: No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao
an District, Shenzhen, Guangdong, China



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Revise Record

Version No.	Date	Description
01	Sep. 3, 2026	Original

1 General information

1.1 General information

Applicant	AMS SOLTECH
Address	ZA DU CHEVALEMENT 8 RUE DES MOLETTES 59286 ROOST WARENDIN FRANCE
Manufacturer	AMS SOLTECH
Address	ZA DU CHEVALEMENT 8 RUE DES MOLETTES 59286 ROOST WARENDIN FRANCE
Factory	AMS SOLTECH
Address	ZA DU CHEVALEMENT 8 RUE DES MOLETTES 59286 ROOST WARENDIN FRANCE

1.2 General description of EUT

Product name	2.4GHz Digital Wireless System
Model no.	VICAM-AMS-MS7-WL-HD
Series model	VICAM-AMS-MS9-WL-HD
Desc of series model	Their electrical circuit design layout, components used and internal wiring are identical, only the model name and screen size are different.
Operating Frequency	2410 MHz -2474 MHz
Channel numbers:	33
Modulation Type:	QPSK
Antenna Type:	External antenna
Antenna Gain:	2.29dBi(Provided by customer)
Max. Field Strength:	107.61 dBuV/m@3m
Power supply:	DC12V
Hardware Version	N/A
Software Version	N/A
Test engineer sample no.	BLA-EMC-202607-A31- VICAM-AMS-MS7-WL-HD
<i>Note: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.</i>	

2 Test summary

No.	Test item	FCC Part Section(s)	Test Method(Clause)	Result
1	Antenna Requirement	§15.203	N/A	Pass
2	Conducted Emissions at AC Power Line (150kHz-30MHz)	§15.207	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 6.2	N/A
3	20dB Bandwidth	§15.215(c)	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.9.2	Pass
4	Field Strength of the Fundamental Signal	§15.249(a)	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Clause 6.6	Pass
5	Radiated Emissions	§15.249 (d) §15.209	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.4,6.5,6.6	Pass
6	Restricted Band Around Fundamental Frequency	§15.205 §15.209	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.4,6.5,6.6	Pass

N/A: The EUT use supply power by battery.

3 Test Configuration

3.1 Test mode

Test Mode ^{Note 1}	Description
TX	Keep the EUT in continuously transmitting with modulation mode.
RX	Keep the EUT in receiving mode
TX Low channel	Keep the EUT in continuously transmitting mode in low channel
TX middle channel	Keep the EUT in continuously transmitting mode in middle channel
TX high channel	Keep the EUT in continuously transmitting mode in high channel

Note 1: The EUT was configured to measure its highest possible emission and/or immunity level. The test modes were adapted according to the operation manual for use; the EUT was operated in the engineering mode ^{Note 2} to fix the TX or Rx frequency that was for the purpose of the measurements.

Note 2: Serial port command is used.

3.2 Operation Frequency each of channel

QPSK					
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
1	2410	13	2434	25	2458
2	2412	14	2436	26	2460
3	2414	15	2438	27	2462
4	2416	16	2440	28	2464
5	2418	17	2442	29	2466
6	2420	18	2445	30	2468
7	2422	19	2446	31	2470
8	2424	20	2448	32	2472
9	2426	21	2450	33	2474
10	2428	22	2452		
11	2430	23	2454		
12	2432	24	2456		

3.3 Test channel

Channel	Frequency (MHz)
1	2410
18	2445
33	2474

3.4 Auxiliary equipment

Device Type	Manufacturer	Model Name	Serial No.	Remark
PC	Lenovo	E460C	N/A	From lab (No.BLA-ZC-BS-2022005)
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Note:
 "--" mean no any auxiliary device during testing.

3.5 Test environment

Environment	Temperature	Voltage
Normal	25°C	DC12V

4 Laboratory information

4.1 Laboratory and accreditations

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

Company name:	BlueAsia Technical Services(Shenzhen) Co., Ltd.
Address:	No.41, South of Beihuan Road, Shangwu Community, Shiyan Subdistrict, Bao'an District, Shenzhen, Guangdong, China
A2LA Cert. No.:	5071.01
FCC Registration Number:	923526
FCC Designation No.:	CN1252
ISED CAB identifier No.:	CN0028
IC Registration Number:	24243
CNAS accredited No.:	L9788
Telephone:	+86-755-28682673
FAX:	+86-755-28682673

4.2 Measurement uncertainty

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=1.96$.

Parameter	Expanded Uncertainty
Radiated Emission(9kHz-30MHz)	$\pm 4.34\text{dB}$
Radiated Emission(30Mz-1000MHz)	$\pm 4.24\text{dB}$
Radiated Emission(1GHz-18GHz)	$\pm 4.68\text{dB}$
Radiated Emission(18GHz-40GHz)	$\pm 4.78\text{dB}$
AC Power Line Conducted Emission(150kHz-30MHz)	$\pm 3.45\text{dB}$
Occupied Channel Bandwidth	$\pm 5\%$
RF output power, conducted	$\pm 1.5\text{ dB}$
Power Spectral Density, conducted	$\pm 3.0\text{ dB}$
Unwanted Emissions, conducted	$\pm 3.0\text{ dB}$
Temperature	$\pm 3\text{ }^{\circ}\text{C}$
Supply voltages	$\pm 3\%$
Time	$\pm 5\%$

5 Test equipment

Radiated Spurious Emissions (Below 1GHz)

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-002-01	Anechoic chamber	9*6*6 chamber	SKET	N/A	2024/03/27	2027/03/26
BLA-EMC-002-02	Control room	966 control room	SKET	N/A	2024/03/27	2027/03/26
BLA-EMC-009	EMI receiver	ESR7	R&S	101199	2025/08/04 2026/07/31	2026/08/03 2027/07/30
BLA-EMC-043	Loop antenna	FMZB1519B	Schwarzbeck	00102	2026/05/31	2027/05/30
BLA-EMC-065	Broadband antenna	VULB9168	Schwarzbeck	01065P	2026/05/31	2027/05/30
BLA-XC-01	Coaxial Cable	N/A	BlueAsia	V01	N/A	N/A
BLA-XC-02	Coaxial Cable	N/A	BlueAsia	V02	N/A	N/A

Radiated Spurious Emissions (Above 1GHz)

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-001-01	Anechoic chamber	9*6*6 chamber	SKET	N/A	2023/11/16	2026/11/15
BLA-EMC-001-02	Control Room	966 control room	SKET	N/A	2026/01/10	2028/01/09
BLA-EMC-008	Spectrum	FSP40	R&S	100817	2025/08/04 2026/07/31	2026/08/03 2027/07/30
BLA-EMC-013	Horn Antenna	BBHA9120D	Schwarzbeck	01892	2026/05/31	2027/05/30
BLA-EMC-014	Amplifier	PA_000318G-45	SKET	PA201804 3003	2025/08/04 2026/07/31	2026/08/03 2027/07/30
BLA-EMC-046	Filter bank	2.4G/5G Filter bank	SKET	N/A	2026/05/25	2027/05/24
BLA-EMC-061	Receiver	ESPI7	R&S	101477	2026/05/25	2027/05/24
BLA-EMC-066	Amplifier	LNPA_30M01 G-30	SKET	SK202106 0801	2026/05/25	2027/05/24
BLA-EMC-086	Amplifier	LNPA_18G40 G-50dB	SKET	SK202207 1301	2026/05/25	2027/05/24
BLA-EMC-087	Horn Antenna	BBHA 9170	Schwarzbeck	1106	2026/05/31	2027/05/30
BLA-XC-03	Coaxial Cable	N/A	BlueAsia	V03	N/A	N/A
BLA-XC-04	Coaxial Cable	N/A	BlueAsia	V04	N/A	N/A

RF conducted

Equipment	Name	Model	Manufacture	S/N	Cal. Date	Due. Date
BLA-EMC-003-003	Shield room	5*3*3	SKET	N/A	2026/01/10	2028/01/09
BLA-EMC-016	Signal Generator	N5182A	Agilent	MY52420567	2026/05/25	2027/05/24
BLA-EMC-038	Spectrum	N9020A	Agilent	MY49100060	2025/08/04 2026/07/31	2026/08/03 2027/07/30
BLA-EMC-042	Power sensor	RPR3006W	DARE	14I00889SN042	2025/08/04 2026/07/31	2026/08/03 2027/07/30
BLA-EMC-044	Radio communication tester	CMW500	R&S	132429	2025/08/04 2026/07/31	2026/08/03 2027/07/30

BLA-EMC-064	Signal Generator	N5182B	KEYSIGHT	MY58108892	2026/05/25	2027/07/30
BLA-EMC-079	Spectrum	N9020A	Agilent	MY54420161	2025/08/04 2026/07/31	2026/08/03 2027/07/30
BLA-EMC-088	Audio Analyzer	ATS-1	Audio Precision	ATS141094	2026/05/25	2027/05/24
BLA-EMC-100	Digital Radio Tester	RWC2010	Redwoodcomm	RWC20102490304	2026/05/25	2027/05/24

Test Software Record:

Software No.	Software Name	Manufacture	Software version	Test site
BLA-EMC-S001	EZ-EMC	EZ	EEMC-3A1+	RE
BLA-EMC-S002	EZ-EMC	EZ	EEMC-3A1+	RE
BLA-EMC-S010	MTS 8310	MW	2.0.0.0	RF

6 Test result

6.1 Antenna requirement

Test Standard	47 CFR Part 15, Subpart C 15.203
Test Method	N/A

6.1.1 Requirement

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

EUT antenna:

The antenna is external antenna and no consideration of replacement. The best case gain of the antenna is 2.29 dBi.

6.2 Field strength of the fundamental signal

Test Standard	47 CFR Part 15, Subpart C 15.249(a)
Test Method	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

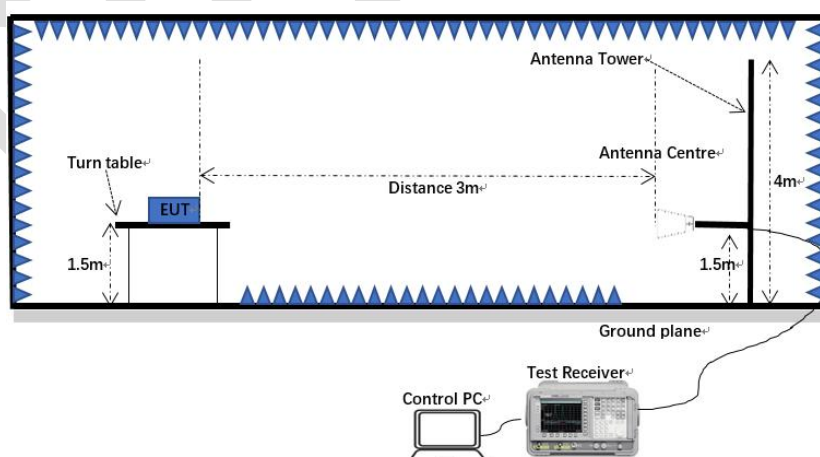
6.2.1 Limit

Fundamental frequency(MHz)	Field strength of fundamental(dBuV/m)	Field strength of harmonics(dBuV/m)
902-928	94	54
2400-2483.5	94	54
5725-5875	94	54
24000-24250	108	68

Remark: The frequencies above 1000MHz are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

6.2.2 Test setup

Above 1GHz:



6.2.3 Procedure

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the

highest radiation.

- b) For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c) The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d) The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e) For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h) Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j) Repeat above procedures until all frequencies measured was complete.
- k) $\text{Level (dB}\mu\text{V/m)} = \text{Reading Level(dBuV)} + \text{Correct Factor (dB)}$
- l) SA setting: RBW=1MHz, VBW=3MHz , PK detector is for PK value ,RMS detector is for AV value.

Test Site: Measurement Distance: 3m (Semi-Anechoic Chamber)

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
Above 1GHz	Peak	1MHz	3MHz	Peak
	RMS	1MHz	10Hz	Average

Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

6.2.4 Test data

2410MHz

Peak value

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Antenna Polaxis
2409.200	101.03	114.00	-12.97	H
2409.210	106.44	114.00	-7.56	V

Average value

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Antenna Polaxis
2409.200	89.39	94.00	-4.61	H
2409.210	92.90	94.00	-1.10	V

2445MHz

Peak value

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Antenna Polaxis
2444.230	102.99	114.00	-11.01	H
2444.190	106.83	114.00	-7.17	V

Average value

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Antenna Polaxis
2444.230	90.61	94.00	-3.39	H
2444.190	93.70	94.00	-0.3	V

2474MHz

Peak value

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Antenna Polaxis
2473.290	102.58	114.00	-11.42	H
2473.260	107.61	114.00	-6.39	V

Average value

Frequency (MHz)	Level (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Antenna Polaxis
2473.290	89.23	94.00	-4.77	H
2473.260	93.90	94.00	-0.10	V

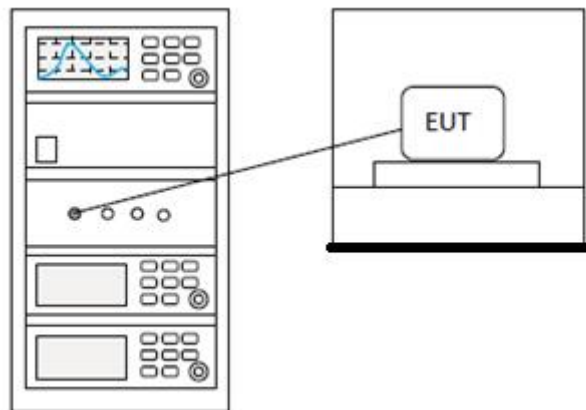
6.3 20dB bandwidth

Test Standard	47 CFR Part 15, Subpart C 15.215(c)
Test Method	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.9.2
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

6.3.1 Limit

N/A

6.3.2 Test setup



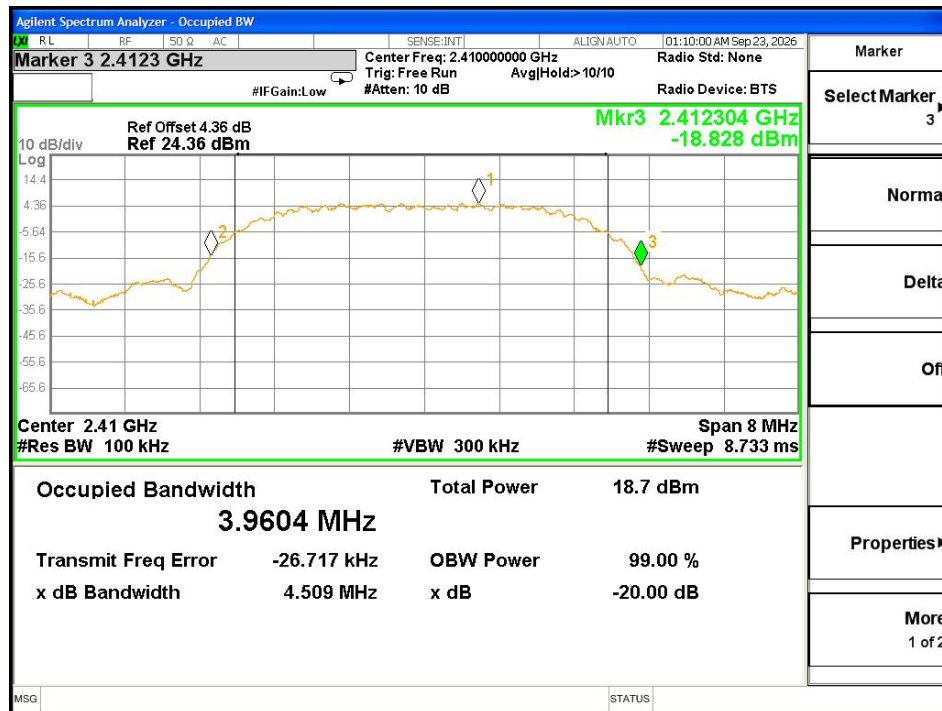
6.3.3 Procedure

1. RBW = 1% to 5% of the OBW
2. VBW $\geq 3 \times$ RBW
3. Span = Shall be between two times to five times the OBW
4. Detector = Peak
5. Trace mode = Max hold
6. Sweep = Auto couple
7. Allow the trace to stabilize
8. Measure the maximum width of the emission that is constrained by the frequencies associated
9. with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 20
10. dB relative to the maximum level in the fundamental emission.

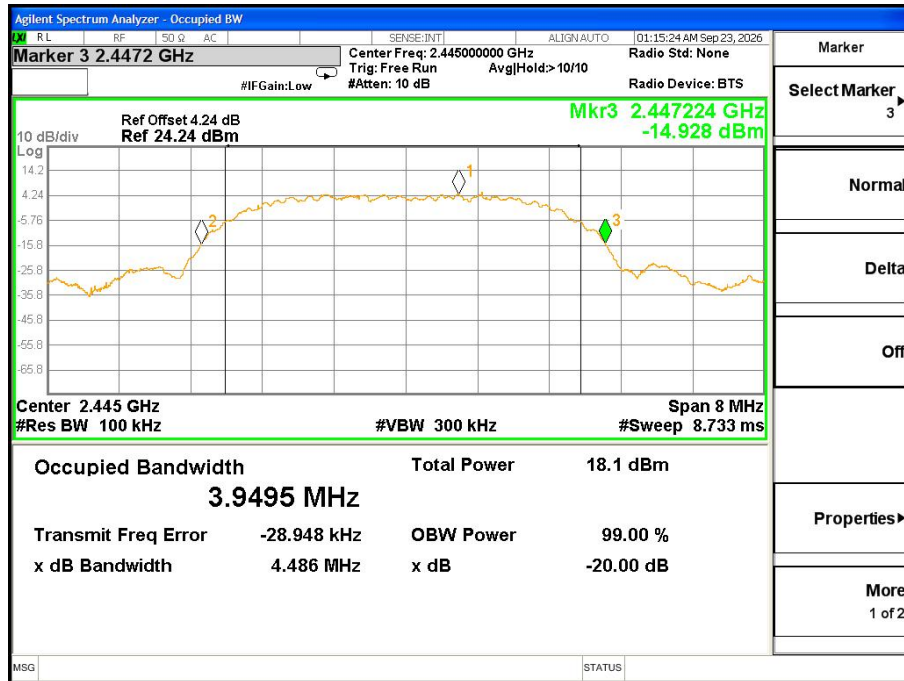
6.3.4 Test data

Test Frequency MHz	20dB Bandwidth kHz	Result
2410	4.509	Pass
2445	4.486	
2474	4.469	

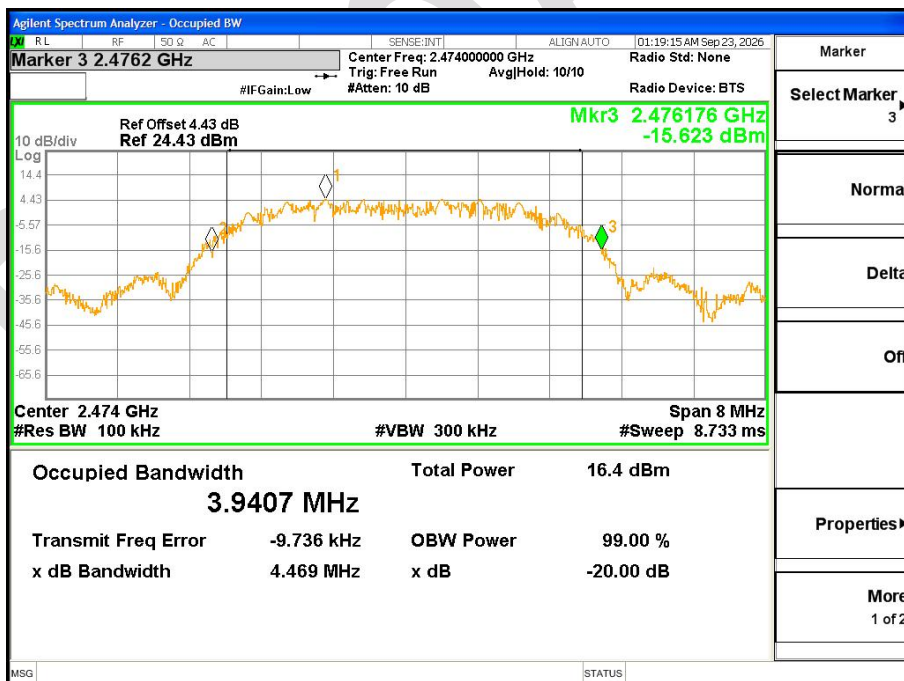
-20dB Bandwidth NVNT QPSK 2410MHz Ant1



-20dB Bandwidth NVNT QPSK 2445MHz Ant1



-20dB Bandwidth NVNT QPSK 2474MHz Ant1



6.4 Radiated spurious emissions

Test Standard	47 CFR Part 15, Subpart C 15.249(d)&15.209
Test Method	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.4,6.5,6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

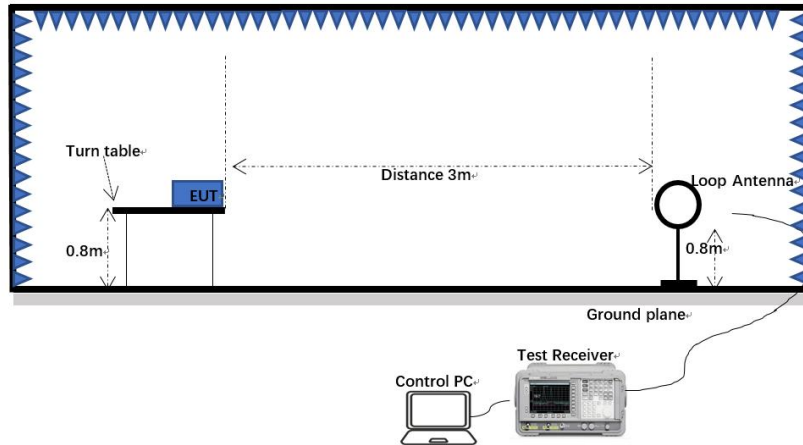
6.4.1 Limit

Frequency(MHz)	Field strength (microvolts/meter)	Limit (dBuV/m)	Detector	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	-	-	300
0.490-1.705	24000/F(kHz)	-	-	30
1.705-30	30	-	-	30
30-88	100	40.0	QP	3
88-216	150	43.5	QP	3
216-960	200	46.0	QP	3
960-1000	500	54.0	QP	3
Above 1000	500	54.0	AV	3

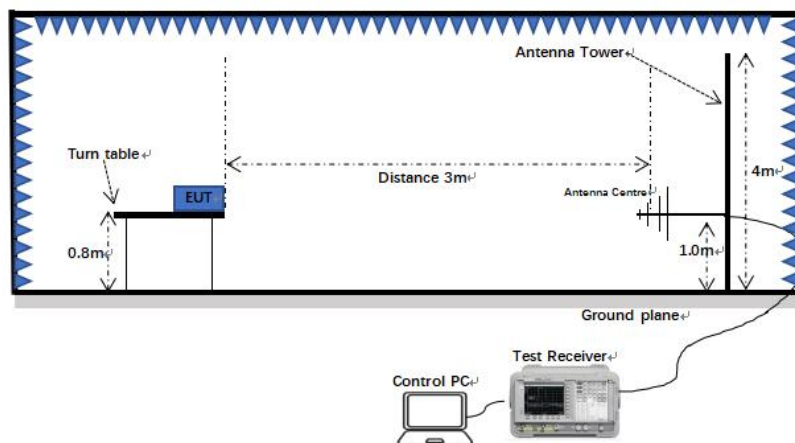
Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

6.4.2 Test setup

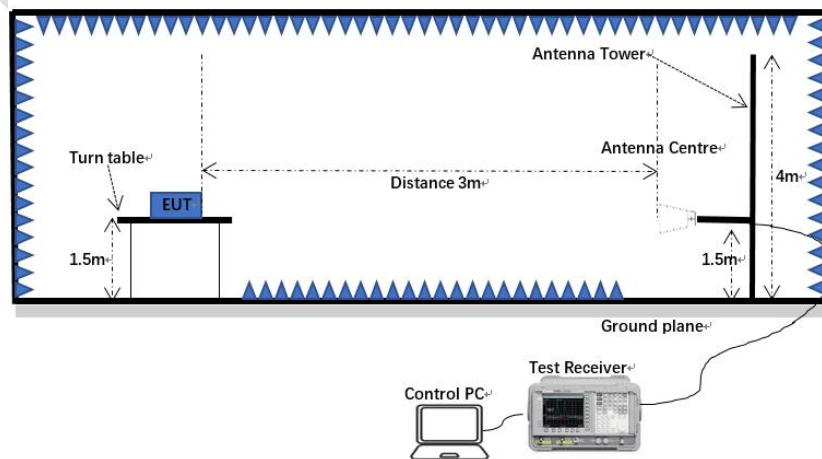
Below 1GHz:



30MHz-1GHz:



Above 1GHz:



6.4.3 Procedure

For testing performed with the loop antenna, the center of the loop was positioned 1 m above the ground and positioned with its plane vertical at the specified distance from the EUT. During testing the loop was rotated about its vertical axis for maximum response at each azimuth and also investigated with the loop positioned in the horizontal plane. Only the worst position of vertical was shown in the report.

Remark:

1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.

2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level = Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

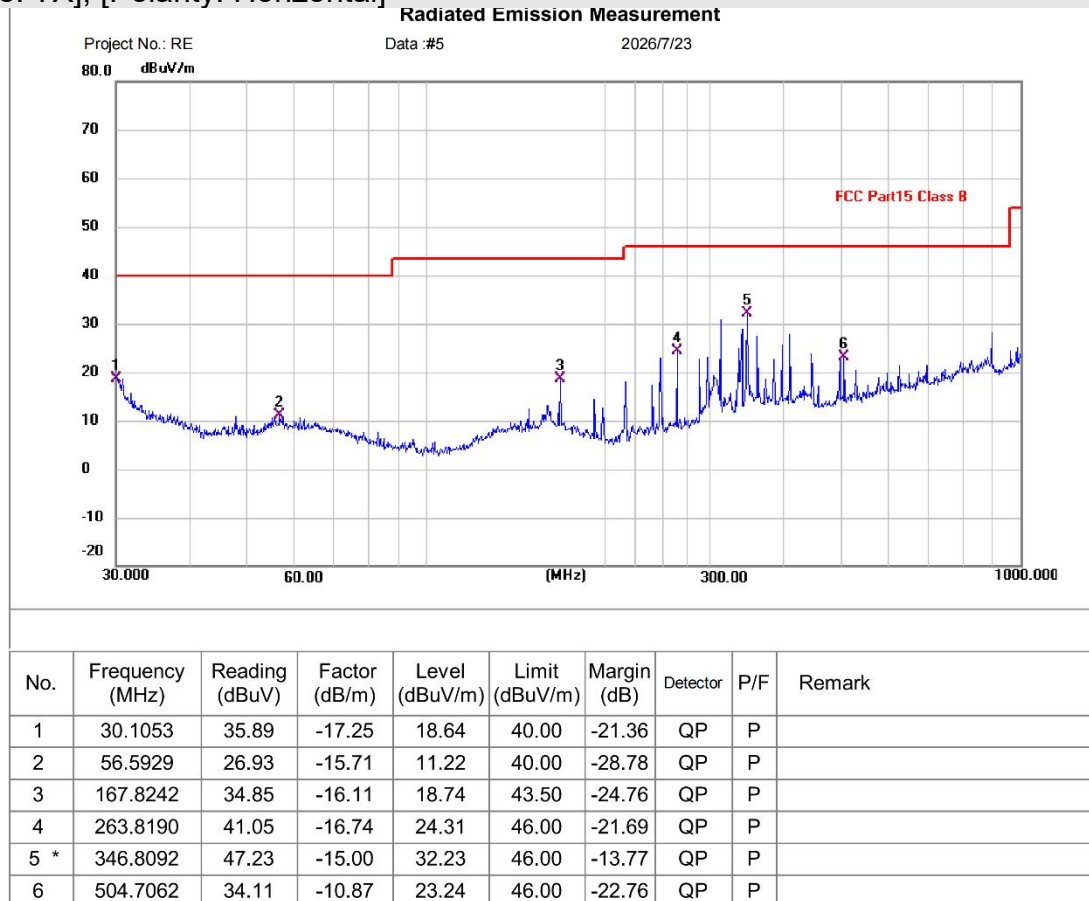
3) Scan from 9kHz to 40GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported. Fundamental frequency is blocked by filter, and only spurious emission is shown.

4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

6.4.4 Test data

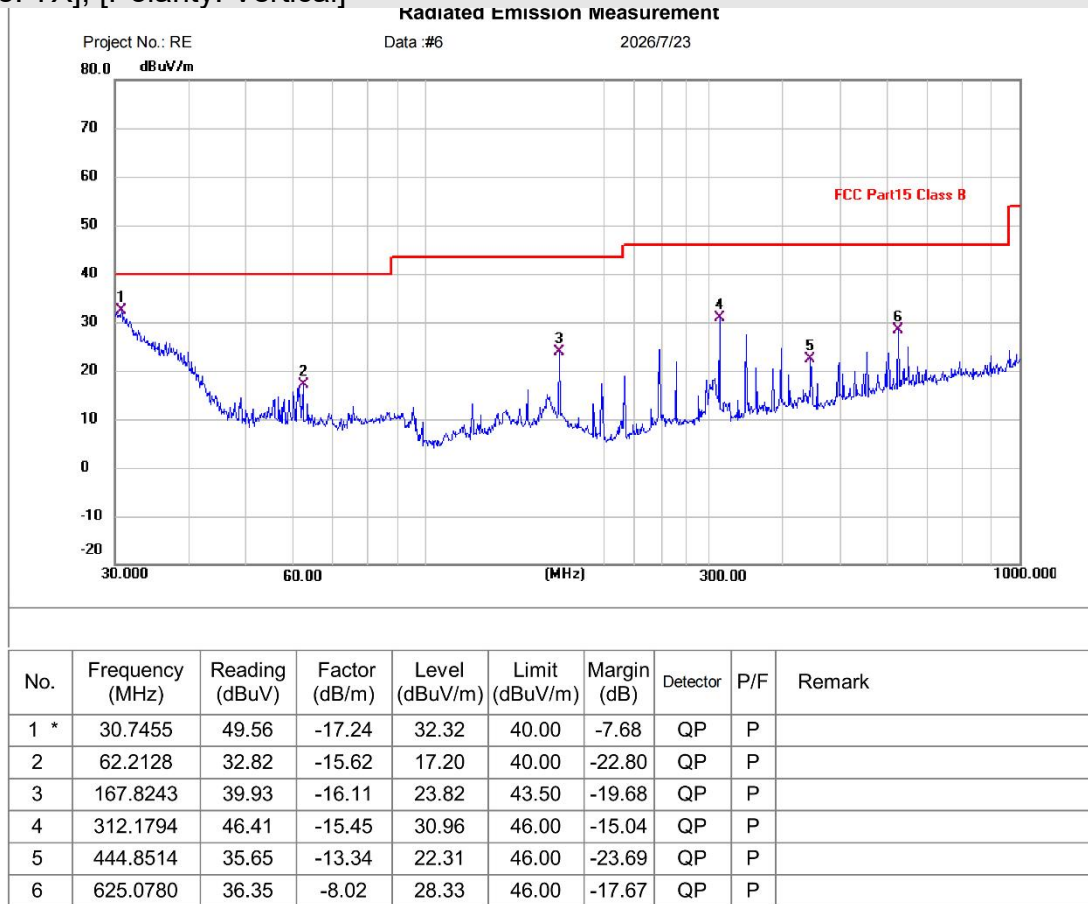
Below 1GHz

[Test mode: TX]; [Polarity: Horizontal]



Test Result: Pass

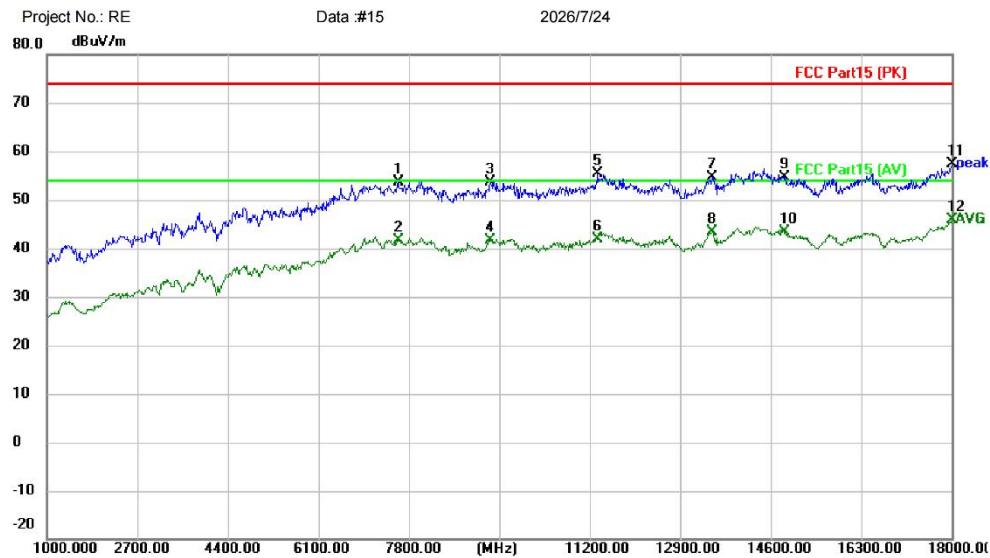
[Test mode: TX]; [Polarity: Vertical]


Test Result: Pass

Above 1GHz:

[Test mode: TX low channel]; [Polarity: Horizontal]

Radiated Emission Measurement

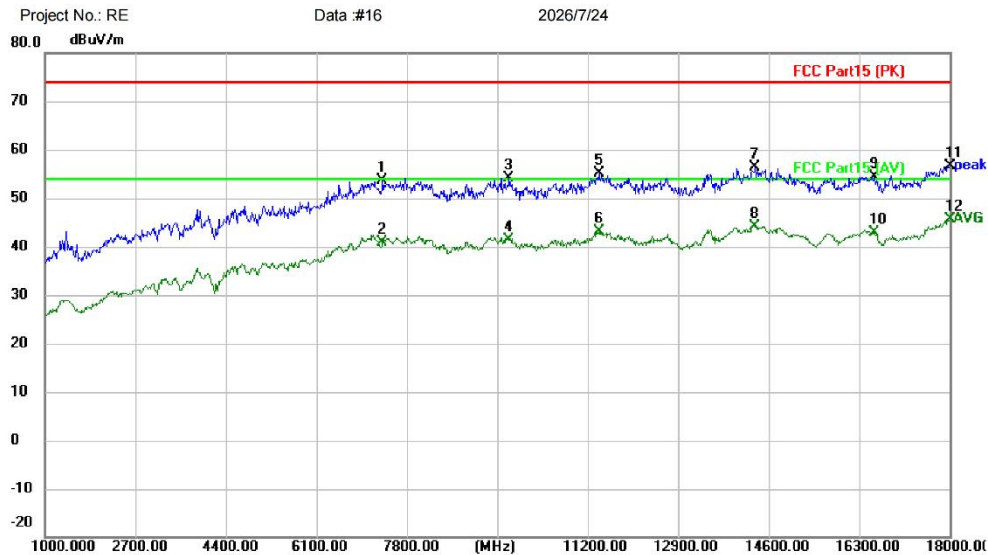


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	7596.000	47.33	6.41	53.74	74.00	-20.26	peak	
2	7596.000	35.16	6.41	41.57	54.00	-12.43	AVG	
3	9330.000	45.95	7.65	53.60	74.00	-20.40	peak	
4	9330.000	34.08	7.65	41.73	54.00	-12.27	AVG	
5	11353.00	46.26	9.10	55.36	74.00	-18.64	peak	
6	11353.00	32.81	9.10	41.91	54.00	-12.09	AVG	
7	13495.00	41.84	12.81	54.65	74.00	-19.35	peak	
8	13495.00	30.49	12.81	43.30	54.00	-10.70	AVG	
9	14855.00	45.21	9.54	54.75	74.00	-19.25	peak	
10	14855.00	33.88	9.54	43.42	54.00	-10.58	AVG	
11	18000.00	44.26	13.01	57.27	74.00	-16.73	peak	
12 *	18000.00	32.89	13.01	45.90	54.00	-8.10	AVG	

Test Result: Pass

[Test mode: TX low channel]; [Polarity: Vertical]

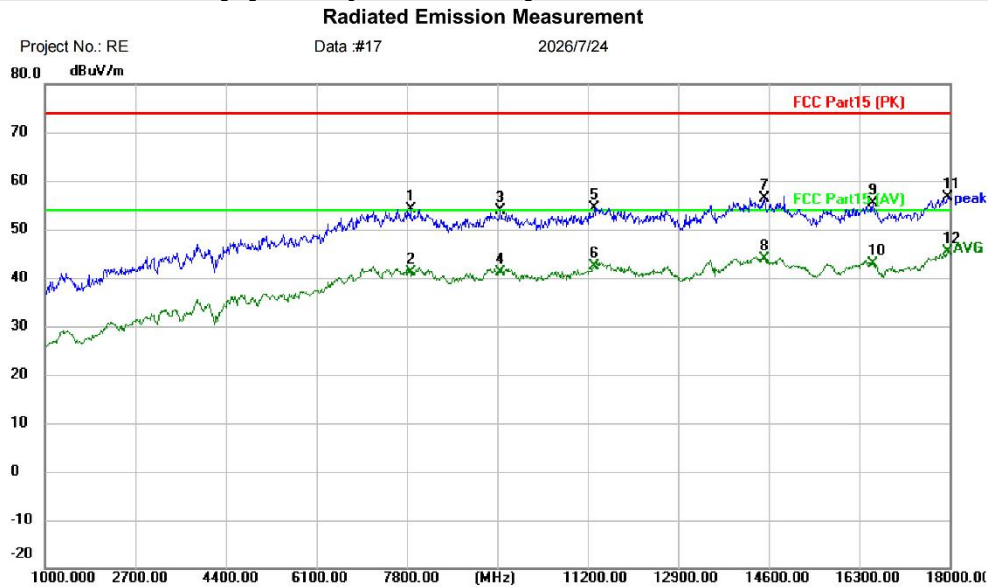
Radiated Emission measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		7341.000	47.06	6.66	53.72	74.00	-20.28	peak	
2		7341.000	34.15	6.66	40.81	54.00	-13.19	AVG	
3		9721.000	45.93	8.16	54.09	74.00	-19.91	peak	
4		9721.000	33.32	8.16	41.48	54.00	-12.52	AVG	
5		11404.00	45.48	9.62	55.10	74.00	-18.90	peak	
6		11404.00	33.41	9.62	43.03	54.00	-10.97	AVG	
7		14345.00	46.42	9.95	56.37	74.00	-17.63	peak	
8		14345.00	34.15	9.95	44.10	54.00	-9.90	AVG	
9		16589.00	44.93	9.57	54.50	74.00	-19.50	peak	
10		16589.00	33.34	9.57	42.91	54.00	-11.09	AVG	
11		18000.00	43.66	13.01	56.67	74.00	-17.33	peak	
12	*	18000.00	32.66	13.01	45.67	54.00	-8.33	AVG	

Test Result: Pass

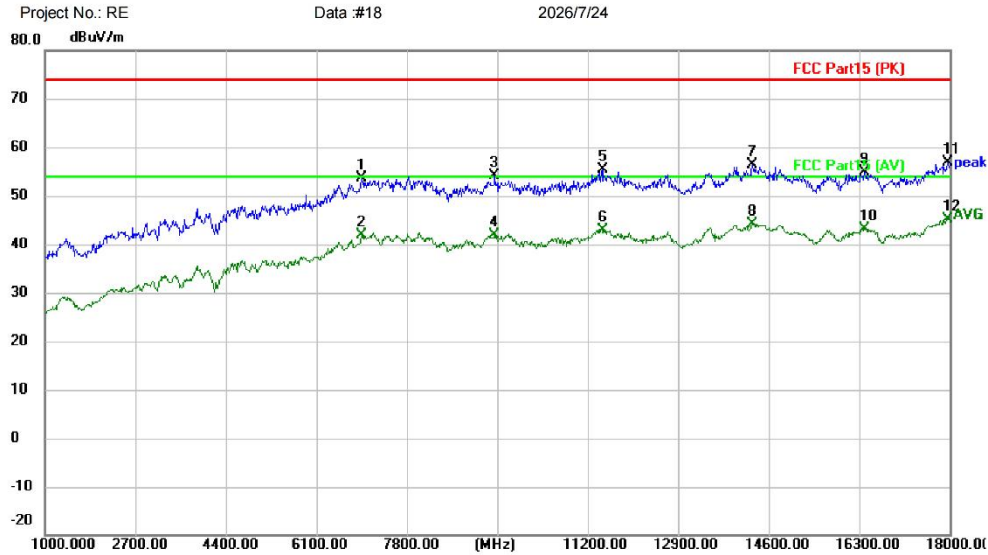
[Test mode: TX middle channel]; [Polarity: Horizontal]



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	7868.000	47.97	6.13	54.10	74.00	-19.90	peak	
2	7868.000	34.99	6.13	41.12	54.00	-12.88	AVG	
3	9551.000	46.12	7.65	53.77	74.00	-20.23	peak	
4	9551.000	33.37	7.65	41.02	54.00	-12.98	AVG	
5	11319.00	45.73	8.75	54.48	74.00	-19.52	peak	
6	11319.00	33.60	8.75	42.35	54.00	-11.65	AVG	
7	14515.00	47.03	9.47	56.50	74.00	-17.50	peak	
8	14515.00	34.38	9.47	43.85	54.00	-10.15	AVG	
9	16555.00	45.76	9.57	55.33	74.00	-18.67	peak	
10	16555.00	33.30	9.57	42.87	54.00	-11.13	AVG	
11	17966.00	44.22	12.51	56.73	74.00	-17.27	peak	
12 *	17966.00	32.91	12.51	45.42	54.00	-8.58	AVG	

Test Result: Pass

[Test mode: TX middle channel]; [Polarity: Vertical]

Radiated Emission Measurement


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		6950.000	46.96	6.55	53.51	74.00	-20.49	peak	
2		6950.000	35.37	6.55	41.92	54.00	-12.08	AVG	
3		9449.000	46.50	7.51	54.01	74.00	-19.99	peak	
4		9449.000	34.31	7.51	41.82	54.00	-12.18	AVG	
5		11472.00	45.40	9.99	55.39	74.00	-18.61	peak	
6		11472.00	32.78	9.99	42.77	54.00	-11.23	AVG	
7		14294.00	46.23	10.10	56.33	74.00	-17.67	peak	
8		14294.00	33.99	10.10	44.09	54.00	-9.91	AVG	
9		16402.00	45.83	9.00	54.83	74.00	-19.17	peak	
10		16402.00	34.12	9.00	43.12	54.00	-10.88	AVG	
11		17966.00	44.44	12.51	56.95	74.00	-17.05	peak	
12	*	17966.00	32.73	12.51	45.24	54.00	-8.76	AVG	

Test Result: Pass

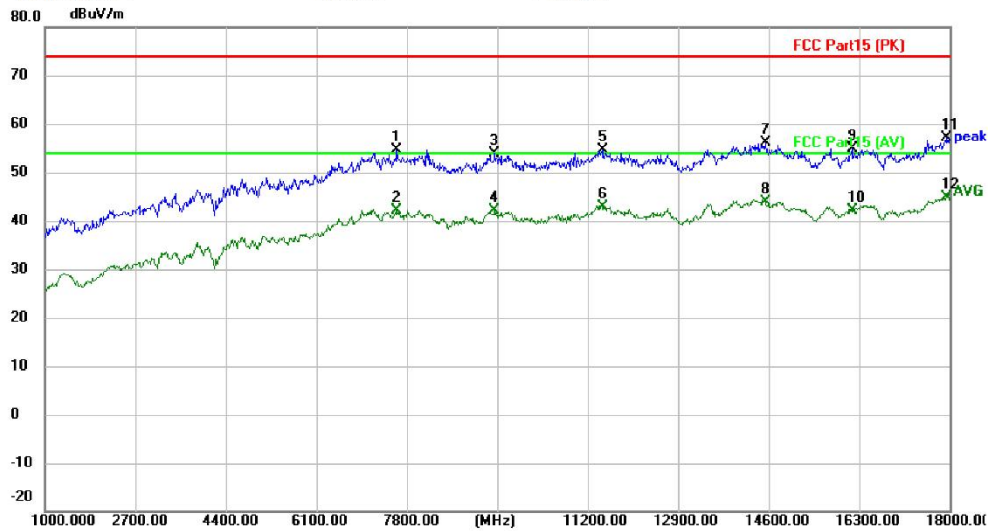
[Test mode: TX high channel]; [Polarity: Horizontal]

Radiated Emission Measurement

Project No.: RE

Data #19

2026/7/24



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	7613.000	48.27	6.32	54.59	74.00	-19.41	peak	
2	7613.000	35.69	6.32	42.01	54.00	-11.99	AVG	
3	9449.000	46.35	7.51	53.86	74.00	-20.14	peak	
4	9449.000	34.51	7.51	42.02	54.00	-11.98	AVG	
5	11472.00	44.61	9.98	54.59	74.00	-19.41	peak	
6	11472.00	32.81	9.98	42.79	54.00	-11.21	AVG	
7	14532.00	46.74	9.40	56.14	74.00	-17.86	peak	
8	14532.00	34.44	9.40	43.84	54.00	-10.16	AVG	
9	16164.00	45.74	9.11	54.85	74.00	-19.15	peak	
10	16164.00	33.13	9.11	42.24	54.00	-11.76	AVG	
11	17932.00	45.13	12.03	57.16	74.00	-16.84	peak	
12 *	17932.00	32.82	12.03	44.85	54.00	-9.15	AVG	

Test Result: Pass

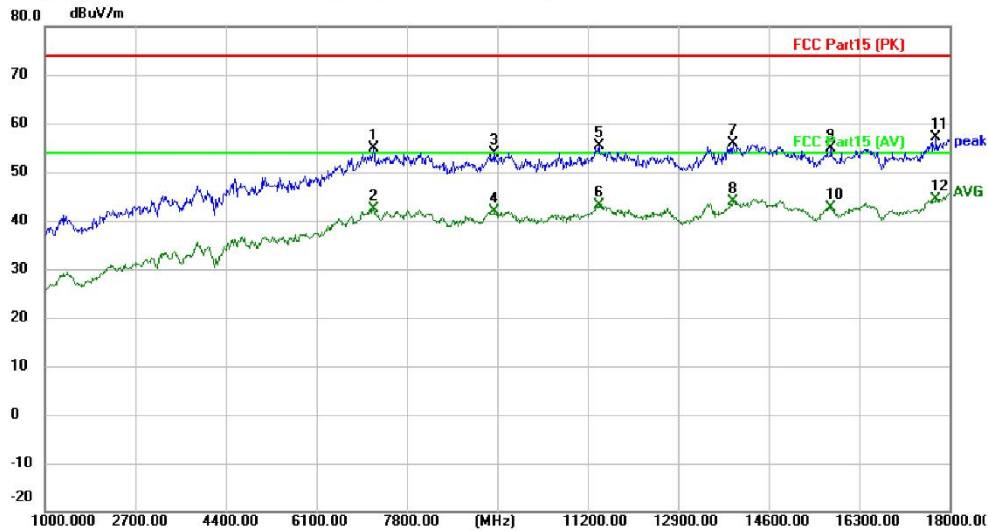
[Test mode: TX high channel]; [Polarity: Vertical]

Radiated Emission Measurement

Project No.: RE

Data #20

2026/7/24



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	7171.000	47.85	7.03	54.88	74.00	-19.12	peak	
2	7171.000	35.35	7.03	42.38	54.00	-11.62	AVG	
3	9449.000	46.35	7.51	53.86	74.00	-20.14	peak	
4	9449.000	34.29	7.51	41.80	54.00	-12.20	AVG	
5	11404.00	45.73	9.62	55.35	74.00	-18.65	peak	
6	11404.00	33.62	9.62	43.24	54.00	-10.76	AVG	
7	13920.00	46.14	9.82	55.96	74.00	-18.04	peak	
8	13920.00	33.96	9.82	43.78	54.00	-10.22	AVG	
9	15773.00	46.93	7.86	54.79	74.00	-19.21	peak	
10	15773.00	34.68	7.86	42.54	54.00	-11.46	AVG	
11	17745.00	46.37	10.82	57.19	74.00	-16.81	peak	
12 *	17745.00	33.47	10.82	44.29	54.00	-9.71	AVG	

Test Result: Pass

6.5 Restricted bands around fundamental frequency

Test Standard	47 CFR Part 15, Subpart C 15.205 & 209
Test Method	ANSI C63.10-2020+Cor. 1-2023+C63.10a-2024+Errata to C63.10a-2024 Section 6.4&6.5&6.6
Test Mode (Pre-Scan)	TX
Test Mode (Final Test)	TX

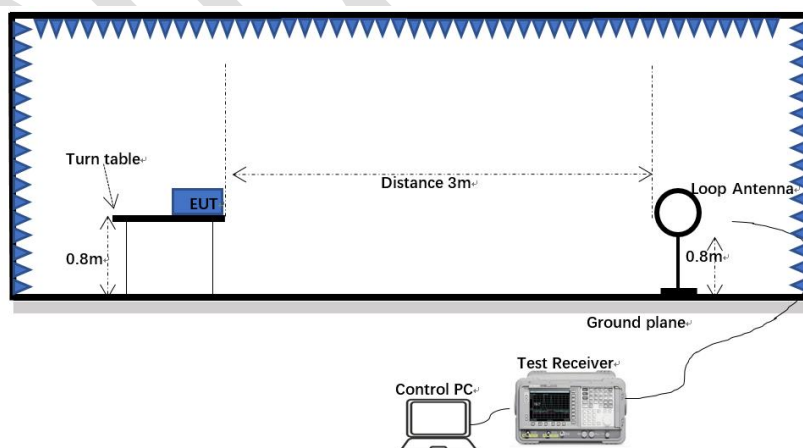
6.5.1 Limit

Frequency	Limit (dBuV/m @3m)	Remark
30MHz-88MHz	40.0	Quasi-peak Value
88MHz-216MHz	43.5	Quasi-peak Value
216MHz-960MHz	46.0	Quasi-peak Value
960MHz-1GHz	54.0	Quasi-peak Value
Above 1GHz	54.0	Average Value
Above 1GHz	74.0	Peak Value

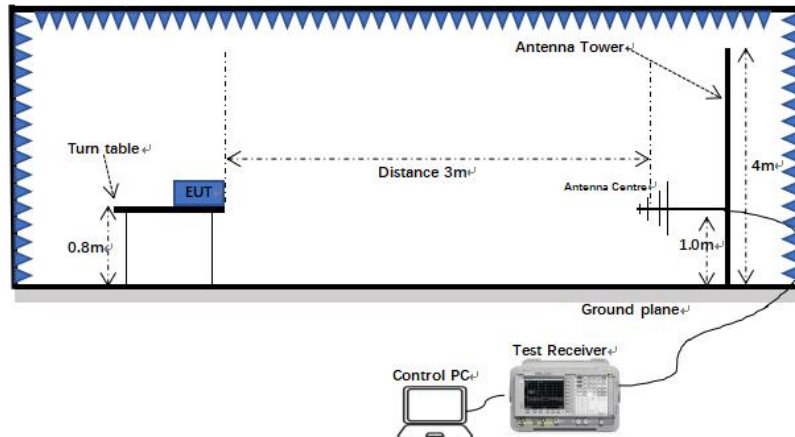
Emission radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

6.5.2 Test setup

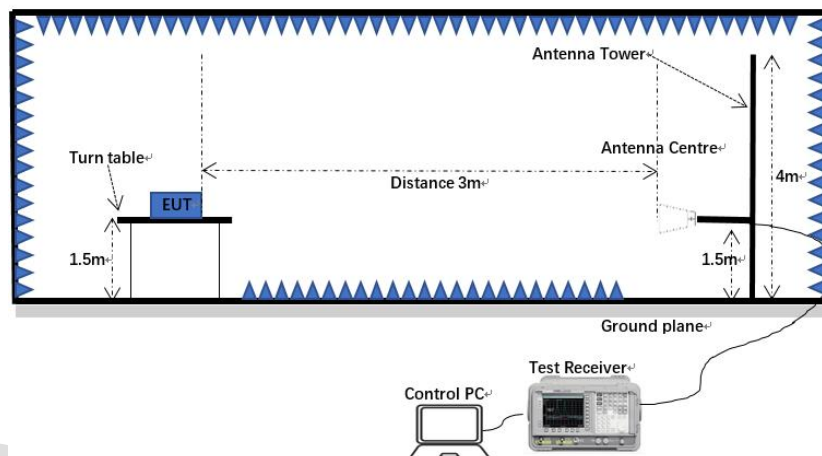
Below 1GHz:



30MHz-1GHz:



Above 1GHz:



6.5.3 Procedure

- For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was

tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.

- f) The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g) If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h) Test the EUT in the lowest channel, the middle channel, the highest channel.
- i) The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j) Repeat above procedures until all frequencies measured was complete.

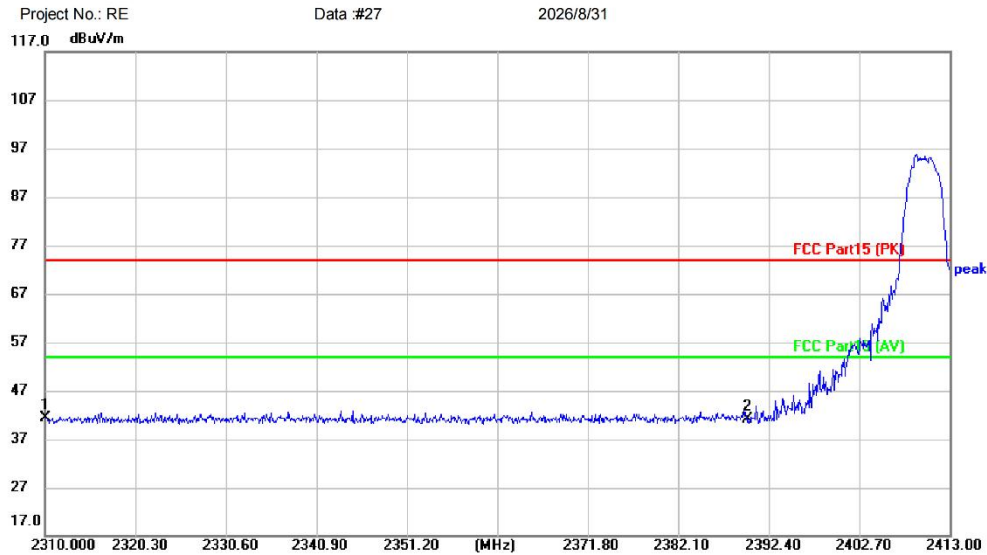
Note 1: Level (dBuV) = Reading (dBuV) + Factor (dB/m)

Note 2: For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.

6.5.4 Test data

[Test mode: TX low channel]; [Polarity: Horizontal]

Radiated Emission Measurement

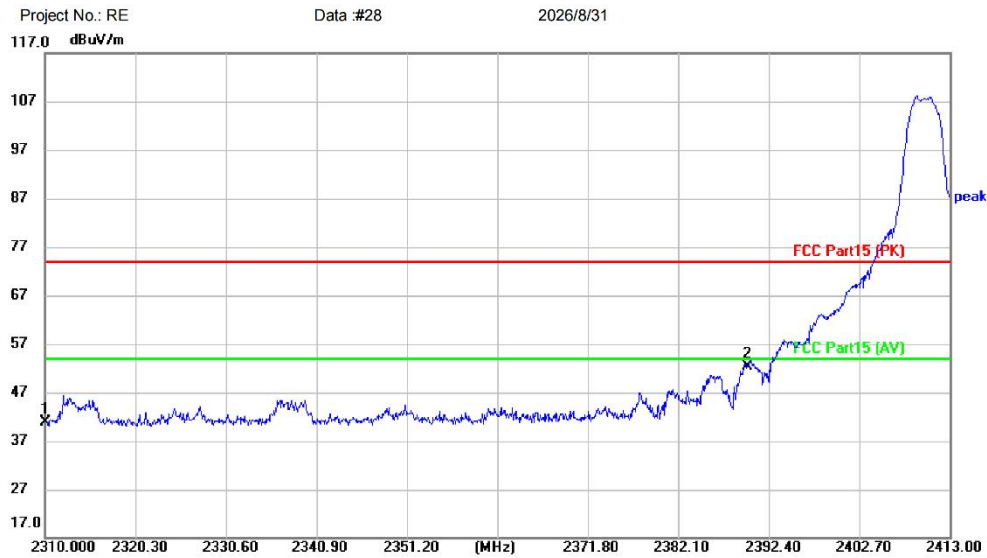


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2310.000	52.25	-10.94	41.31	74.00	-32.69	peak	
2		2390.000	51.71	-10.60	41.11	74.00	-32.89	peak	

Test Result: Pass

[Test mode:TX low channel]; [Polarity: Vertical]

Radiated Emission measurement



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2310.000	51.82	-10.94	40.88	74.00	-33.12	peak	
2	*	2390.000	63.06	-10.60	52.46	74.00	-21.54	peak	

Test Result: Pass

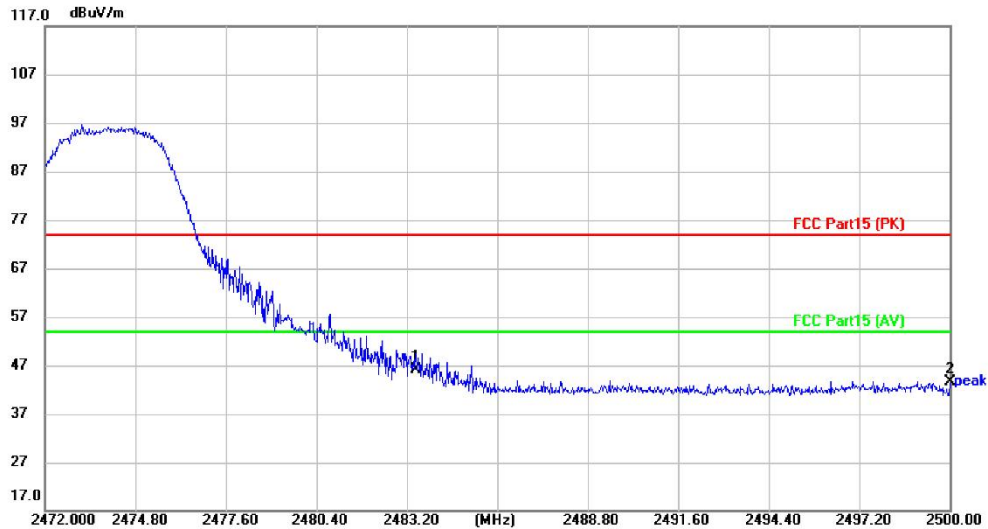
[Test mode: TX high channel]; [Polarity: Horizontal]

Radiated Emission Measurement

Project No.: RE

Data #29

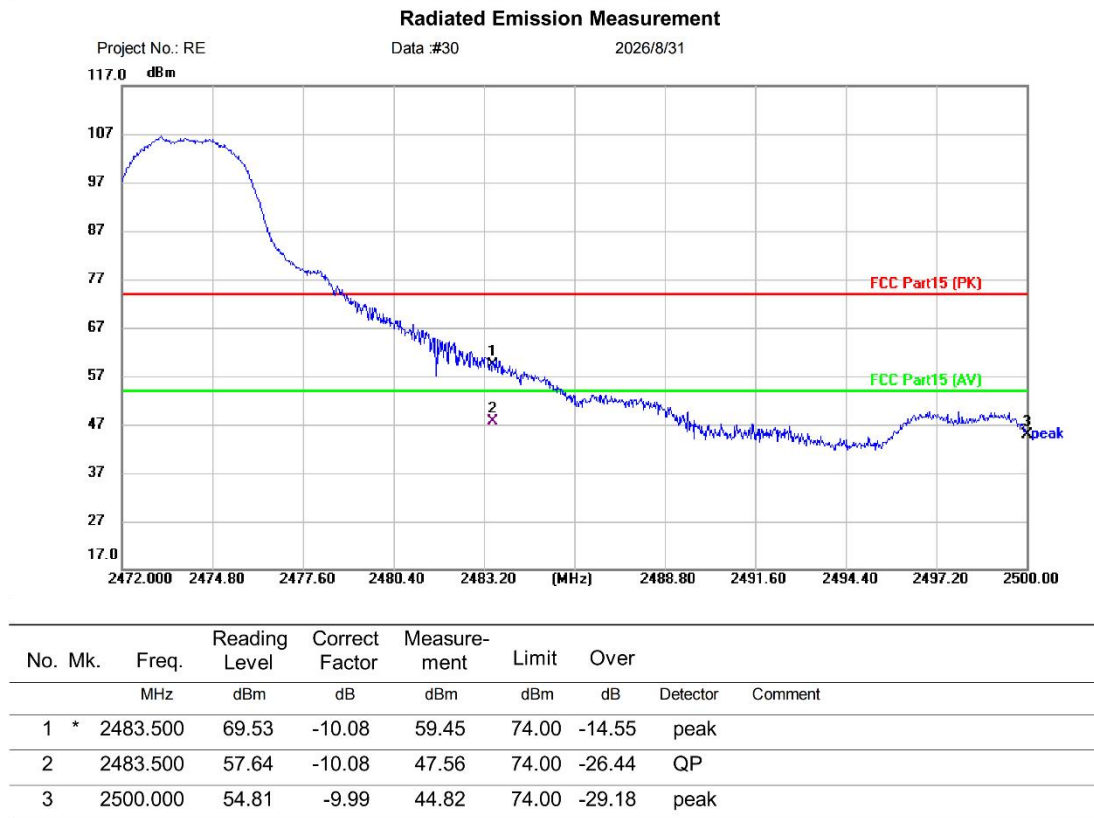
2026/8/31



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	2483.500	56.20	-10.08	46.12	74.00	-27.88	peak	
2		2500.000	53.50	-9.99	43.51	74.00	-30.49	peak	

Test Result: Pass

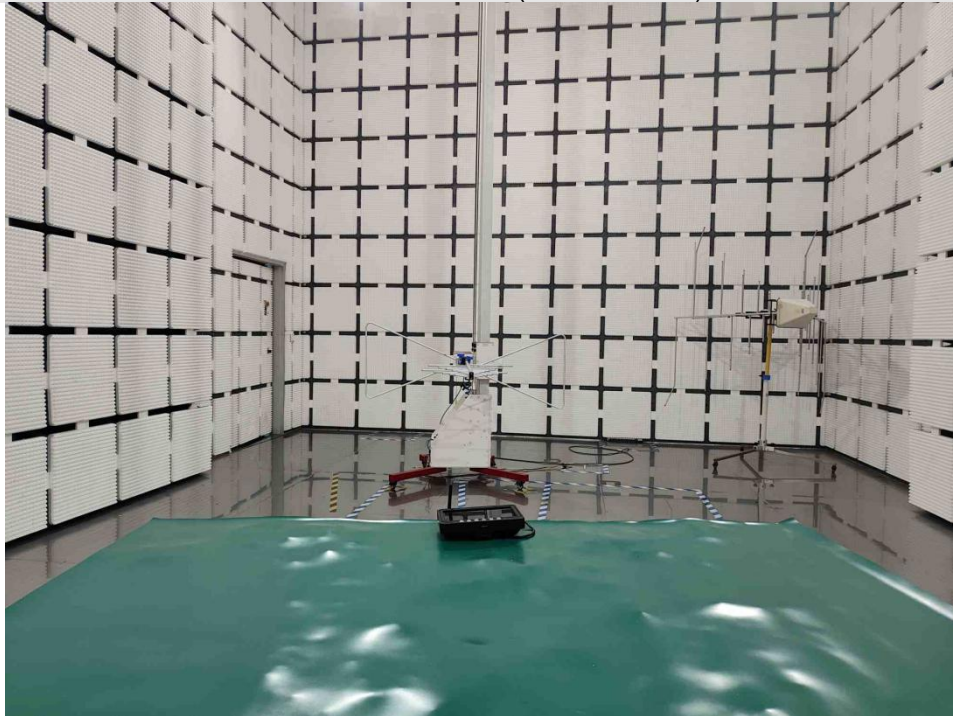
[Test mode:TX hgih channel]; [Polarity: Vertical]



Test Result: Pass

Appendix A photographs of test setup

Radiated Emissions (30MHz-1GHz)



Radiated Emissions (above 1GHz)



Appendix B: photographs of EUT

Reference to the Appendix: external photos 、 internal photos

----END OF REPORT----

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