

RF TEST REPORT

Applicant Shantou Xintuo Intelligent Technology Co., Ltd.

FCC ID 2BF7B-74HK

Product Remote control

Model X80; X28; X29; X30; X31; X33; X50; X60; X61; X62;
X65; X66; X80; X69; X81; X82; X83; X85; X86; X87;
X88; X89; X90; X39; L6082; X38; X39; HK22; HK33;
HK66; HK55; HK88; HK99; DI1; DI2; DI3; DI5; DI6;
DI8; DI9; DI99; DI98; PK01; PK02; PK03; PK05;
PK06; G110; G120; G130; G150; G160; G170; G180;
G190; P100; P200; P300; P500; P600; P800; P900

Report No. EFTA25080200-IE-06-R1V1

Issue Date September 4, 2025

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (2024)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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Version	Revision Description	Issue Date
Rev.0	Initial issue of report.	September 2, 2025
Rev.1	Updated information.	September 4, 2025
Note: This revised report (Report No.: EFTA25080200-IE-06-R1V1) supersedes and replaces the previously issued report (Report No.: EFTA25080200-IE-06-R1). Please discard or destroy the previously issued report and dispose of it accordingly.		

Summary of Measurement Results

Number	Test Case	Clause in FCC rules	Verdict
1	20 dB bandwidth	15.215(c)	PASS
2	Radiated Emissions	15.249, 15.209	PASS
3	AC Power Line Conducted Emissions	15.207	PASS
Date of Testing: August 15, 2025 ~ August 28, 2025			
Date of Sample Received: August 15, 2025			
Note: All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

1 Test Laboratory

1.1 Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2 Test facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

A2LA (Certificate Number: 3857.01)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

1.3 Testing Location

Company: Eurofins TA Technology (Shanghai) Co., Ltd.
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City: Shanghai
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2 General Description of Equipment under Test

2.1 Applicant and Manufacturer Information

Applicant	Shantou Xintuo Intelligent Technology Co., Ltd.
Applicant address	Fengxiang Street, Donghu Qiaohong Road, Chenghai District, Shantou, China
Manufacturer	Shantou Xintuo Intelligent Technology Co., Ltd.
Manufacturer address	Fengxiang Street, Donghu Qiaohong Road, Chenghai District, Shantou, China

2.2 General information

EUT Description	
Model	X80; X28; X29; X30; X31; X33; X50; X60; X61; X62; X65; X66; X80; X69; X81; X82; X83; X85; X86; X87; X88; X89; X90; X39; L6082; X38; X39; HK22; HK33; HK66; HK55; HK88; HK99; DI1; DI2; DI3; DI5; DI6; DI8; DI9; DI99; DI98; PK01; PK02; PK03; PK05; PK06; G110; G120; G130; G150; G160; G170; G180; G190; P100; P200; P300; P500; P600; P800; P900
Lab Internal SN	250815-12-006
HW Version	XQ-LS-HK22TX
SW Version	XQ-GPS-HK22-TX-V14
Power Supply	DC 5V for USB; DC 3.7V for Battery
Antenna Type	Internal Antenna
Antenna Connector	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)
Frequency	2.4 GHz
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant. 2. The customer claims that X80; X28; X29; X30; X31; X33; X50; X60; X61; X62; X65; X66; X80; X69; X81; X82; X83; X85; X86; X87; X88; X89; X90; X39; L6082; X38; X39; HK22; HK33; HK66; HK55; HK88; HK99; DI1; DI2; DI3; DI5; DI6; DI8; DI9; DI99; DI98; PK01; PK02; PK03; PK05; PK06; G110; G120; G130; G150; G160; G170; G180; G190; P100; P200; P300; P500; P600; P800; P900 are only different in model, and the others are the same.	

3 Applied Standards

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

Test standards:

FCC CFR47 Part 15C (2024) Radio Frequency Devices
ANSI C63.10-2020

4 Test Configuration

Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (Y axis) and the worst case was recorded.

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
0	2405	24	2429	48	2453
1	2406	25	2430	49	2454
2	2407	26	2431	50	2455
3	2408	27	2432	51	2456
4	2409	28	2433	52	2457
5	2410	29	2434	53	2458
6	2411	30	2435	54	2459
7	2412	31	2436	55	2460
8	2413	32	2437	56	2461
9	2414	33	2438	57	2462
10	2415	34	2439	58	2463
11	2416	35	2440	59	2464
12	2417	36	2441	60	2465
13	2418	37	2442	61	2466
14	2419	38	2443	62	2467
15	2420	39	2444	63	2468
16	2421	40	2445	64	2469
17	2422	41	2446	65	2470
18	2423	42	2447	66	2471
19	2424	43	2448	67	2472
20	2425	44	2449	68	2473
21	2426	45	2450	69	2474
22	2427	46	2451	70	2475
23	2428	47	2452	/	/

5 Test Case Results

5.1 20 dB Bandwidth

Ambient condition

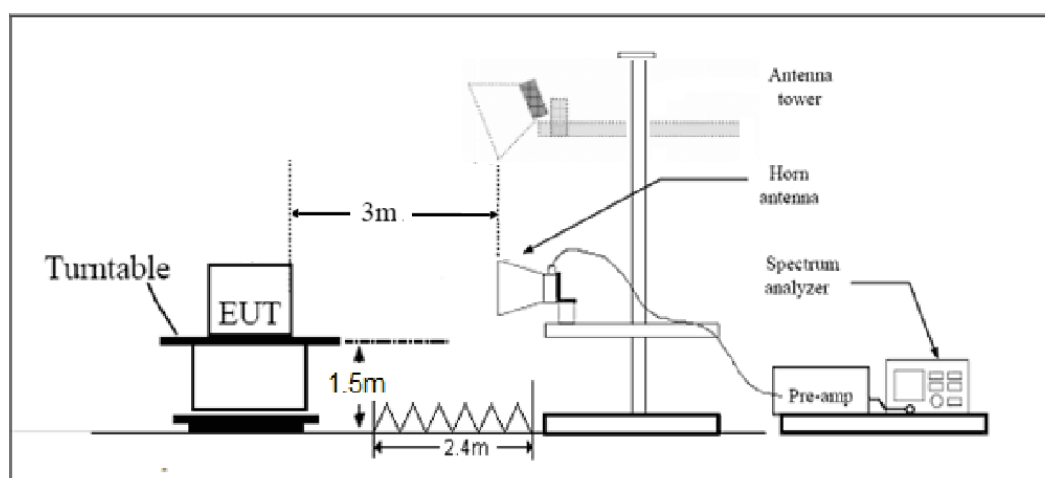
Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

Tests are performed in accordance with ANSI C63.10-2013.

The 20 dB and 99% bandwidth of the fundamental frequency remain inside the band of operation of 10.597 MHz. The EUT was placed on a turn table which is 0.8m above ground plane. the EUT's 20dB Bandwidth power was received by the test antenna which was connected to the spectrum analyze. The occupied bandwidth is measured using spectrum analyzer. The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value.

Test Setup



Limits

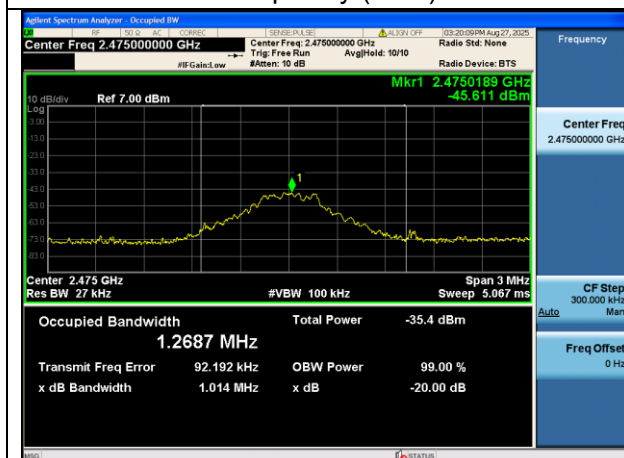
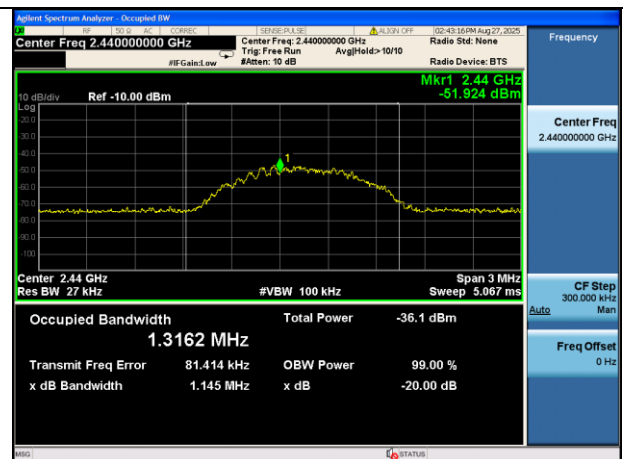
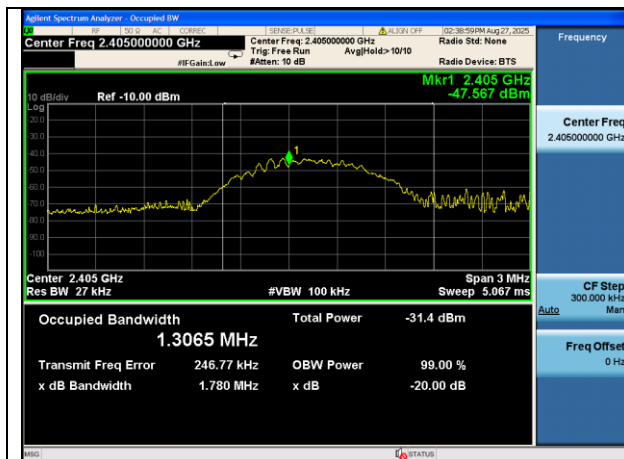
No specific occupied bandwidth requirements in part 15.215(c).

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$. $U = 1.19$ dB

Test Results

Carrier frequency (MHz)	99% bandwidth (MHz)	20 dB bandwidth (MHz)	Conclusion
2405	1.3065	1.780	PASS
2440	1.3162	1.145	PASS
2475	1.2687	1.014	PASS



5.2 Radiated Emissions

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The test set-up was made in accordance to the general provisions of ANSI C63.10-2013. The Equipment Under Test (EUT) was set up on a non-conductive table in the semi-anechoic chamber. The test was performed at the distance of 3 m between the EUT and the receiving antenna. The radiated emissions measurements were made in a typical installation configuration.

Sweep the whole frequency band through the range from 9 kHz to the 10th harmonic of the carrier, and the emissions less than 20 dB below the permissible value are reported.

During the test, below 30MHz, the center of the loop shall be 1 meters; above 30MHz, the height of receive antenna shall be moved from 1 to 4 meters, and the antenna shall be performed under horizontal and vertical polarization. The turntable shall be rotated from 0 to 360 degrees for detecting the maximum of radiated spurious signal level. The measurements shall be repeated with orthogonal polarization of the test antenna. The data of cable loss and antenna factor has been calibrated in full testing frequency range before the testing.

Set the spectrum analyzer in the following:

Below 1GHz (detector: Peak and Quasi-Peak)

RBW=100kHz / VBW=300kHz / Sweep=AUTO

Above 1GHz(detector: Peak):

(a) PEAK: RBW=1MHz VBW=3MHz/ Sweep=AUTO

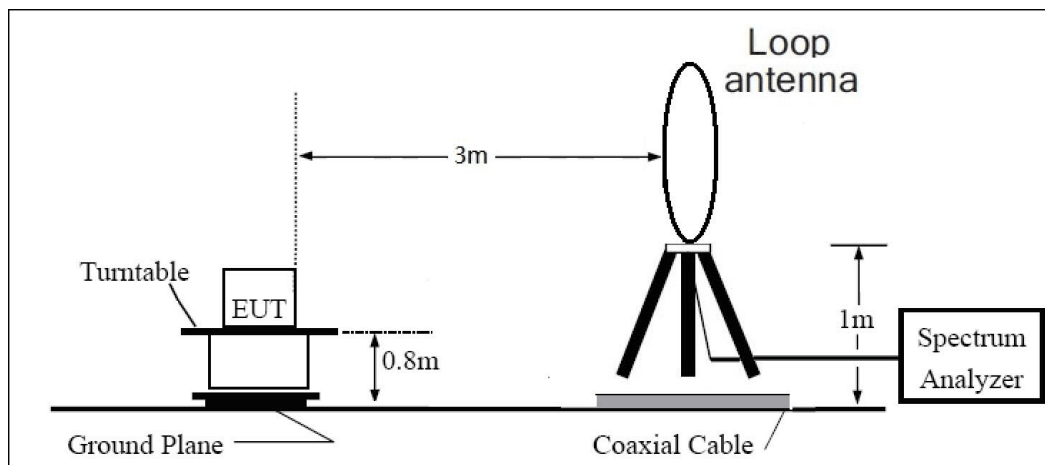
(b) AVERAGE: RBW=1MHz / VBW=3MHz / Sweep=AUTO

The radiated emission was measured in the following position: EUT lie-down position (X axis). The emission was recorded. Then this mode was measured in the following mode: EUT with cradle and EUT without cradle. The worst emission was found in EUT with cradle mode and the worst case was recorded.

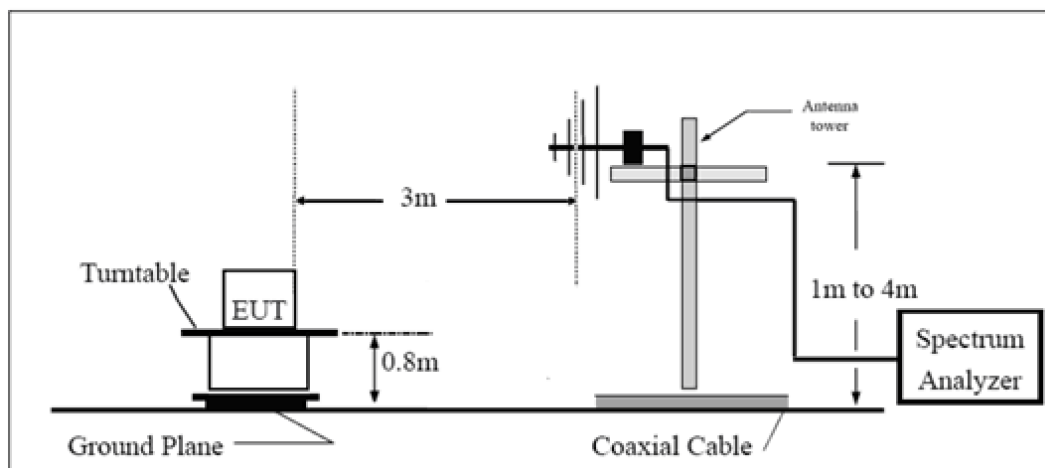
The test is in transmitting mode.

Test setup

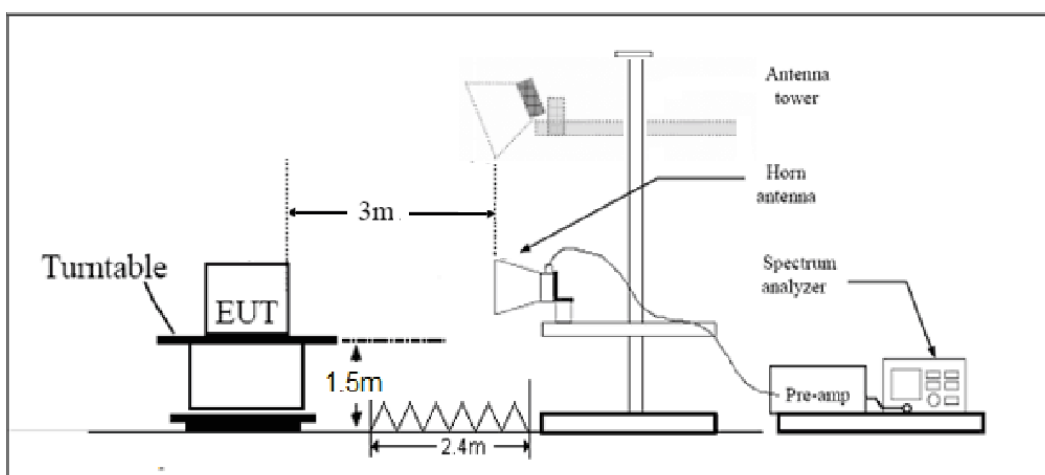
9kHz~~~ 30MHz



30MHz~~~ 1GHz



Above 1GHz



Limits

The frequency tolerance of the carrier signal shall be maintained within $\pm 0.001\%$.

Emissions 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 § 15.209, whichever is the lesser attenuation.

Limit in radiated emission measurement (Part 15.249)

Frequency of emission (MHz)	Field strength of fundamental @3m	
2400-2483.5 MHz fundamental	50(millivolts/meter)	94(dBμV/m)
2400-2483.5 MHz harmonics	500(microvolts/meter)	54(dBμV/m)

Limit in radiated emission measurement (Part 15.209)

Frequency of emission (MHz)	Field strength(μV/m)	Field strength(dBμV/m)
0.009–0.490	2400/F(kHz)	/
0.490–1.705	24000/F(kHz)	/
1.705–30.0	30	/
30-88	100	40
88-216	150	43.5
216-960	200	46
Above 960-1000	500	54

§15.35(b)

There is also a limit on the radio frequency emissions, as measured using instrumentation with a peak detector function, corresponding to 20 dB above the maximum permitted average limit.

Peak Limit=74 dBμV/m

Average Limit=54 dBμV/m

Spurious Radiated Emissions are permitted in any of the frequency bands listed below:

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			

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 1.96$.

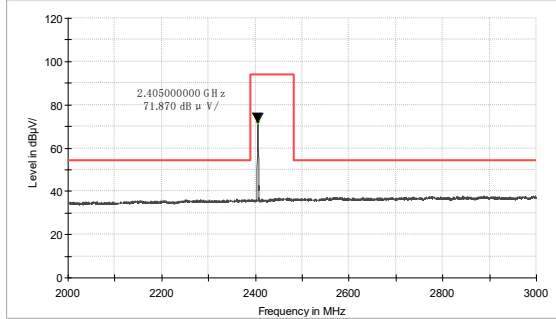
Frequency	Uncertainty
9KHz-30MHz	3.55 dB
30MHz-200MHz	4.02 dB
200MHz-1GHz	3.28 dB
Above 1GHz	3.70 dB

Test Results:

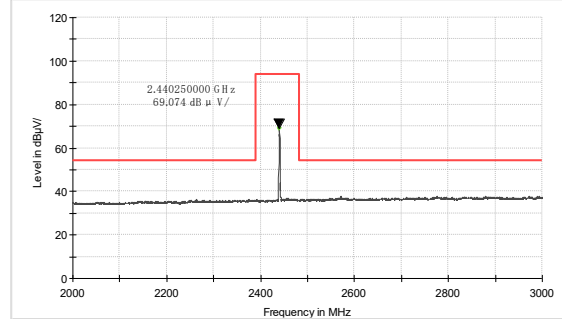
Fundamental Field Strength

Receiver antenna polarization (Horizontal and Vertical), the worst emission was found in position and the worst case and worst Antenna was recorded.

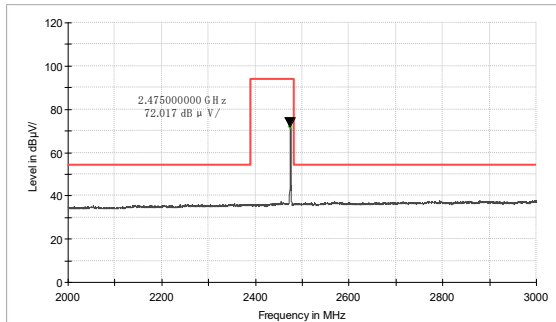
A symbol ($\text{dB}\mu\text{V}/\text{m}$) in the test plot below means (dB $\mu\text{V}/\text{m}$)



2405 MHz



2440 MHz



2475 MHz

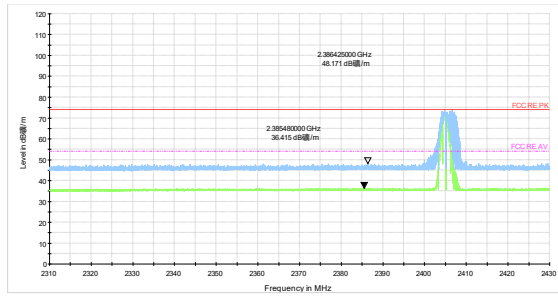
Frequency (MHz)	Average (dB $\mu\text{V}/\text{m}$)	Limit (dB $\mu\text{V}/\text{m}$)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2405.00	71.87	94.00	22.13	500.00	200.0	V	122.00	2
2440.25	69.07	94.00	24.93	500.00	100.0	V	346.00	2
2475.00	72.02	94.00	21.98	500.00	100.0	V	356.00	3

Band Edge Emission

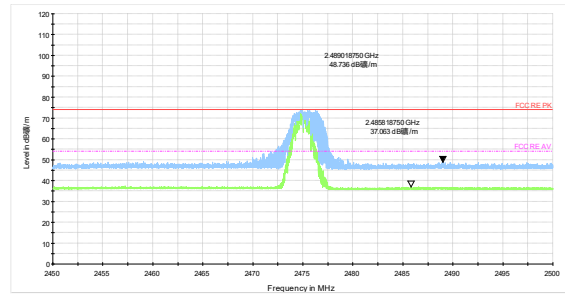
The following graphs display the maximum values of horizontal and vertical by software.

A symbol ($\text{dB}\mu\text{V/m}$) in the test plot below means (dB $\mu\text{V/m}$)

2405 MHz Peak+ Average



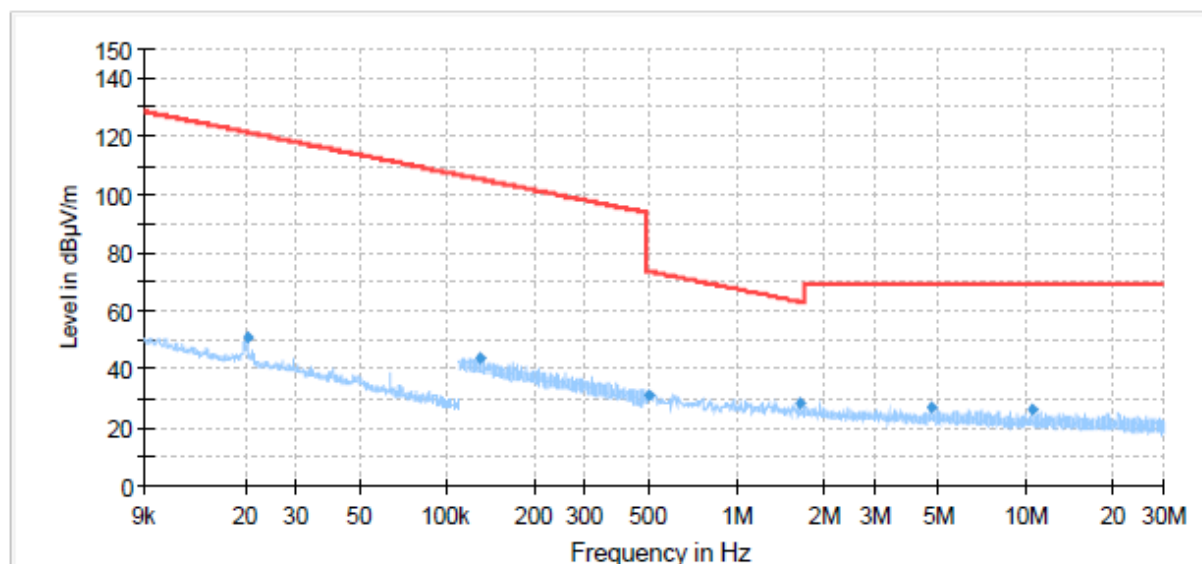
2475 MHz Peak+ Average



Radiated Emission

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the Emissions in the frequency band 18GHz-26.5GHz are more than 20dB below the limit are not reported.

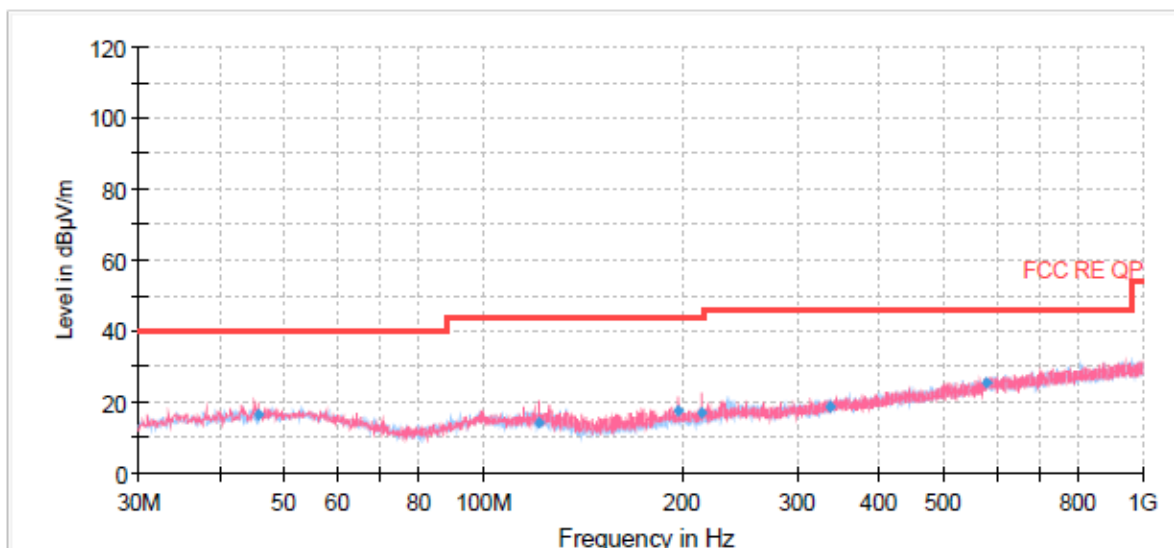
During the test, the Radiates Emission from 9kHz to 1GHz was performed in all modes with all channels, the test data of the worst-case condition was recorded in this report.



Radiated Emission from 9kHz to 30MHz

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Azimuth (deg)	Corr. (dB/m)
0.02	51.01	121.45	70.44	500.00	264.00	17
0.13	43.96	105.27	61.31	150.00	80.00	17
0.49	31.27	73.74	42.47	150.00	358.00	17
1.65	28.15	63.25	35.11	150.00	271.00	17
4.71	26.69	69.50	42.81	150.00	84.00	17
10.50	25.88	69.50	43.62	150.00	254.00	17

Remark: 1. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
2. Margin = Limit – Quasi-Peak

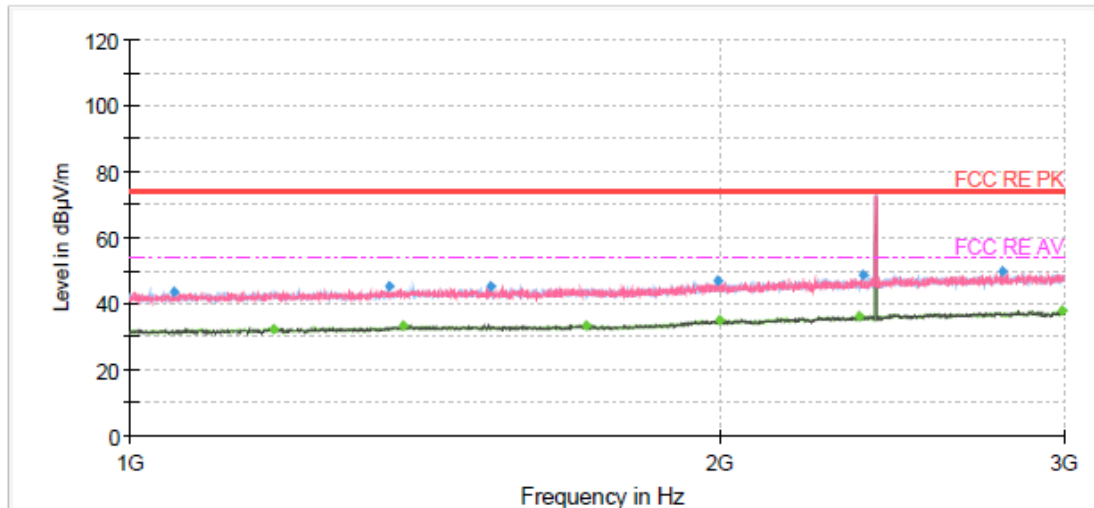


Radiated Emission from 30MHz to 1GHz

Frequency (MHz)	Quasi-Peak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Polarization	Azimuth (deg)	Correct Factor (dB)
45.64	16.28	40.00	23.72	124.0	V	39.00	20
121.30	14.09	43.50	29.41	184.0	V	0.00	17
197.93	17.44	43.50	26.06	225.0	V	104.00	18
214.42	17.00	43.50	26.50	225.0	V	134.00	18
334.70	18.52	46.00	27.48	225.0	H	324.00	22
578.41	25.35	46.00	20.65	225.0	H	298.00	27

Remark: 1. Correction Factor = Antenna factor+ Insertion loss(cable loss+amplifier gain)
 2. Margin = Limit – Quasi-Peak

2405 MHz

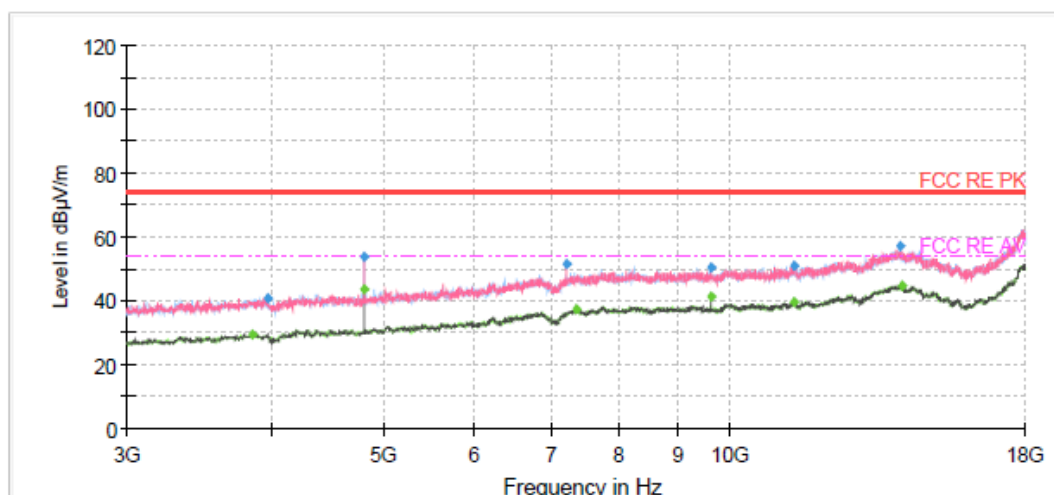


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1053.75	43.75	---	74.00	30.25	500.00	100.0	H	18.00	-5
1184.50	---	32.49	54.00	21.51	500.00	200.0	V	0.00	-4
1355.25	45.43	---	74.00	28.57	500.00	200.0	V	0.00	-3
1378.75	---	33.54	54.00	20.46	500.00	100.0	V	0.00	-3
1529.75	45.09	---	74.00	28.91	500.00	200.0	V	3.00	-2
1708.00	---	33.67	54.00	20.33	500.00	200.0	V	317.00	-2
1997.75	46.99	---	74.00	27.01	500.00	100.0	V	0.00	1
1999.25	---	35.28	54.00	18.72	500.00	200.0	H	0.00	1
2359.50	---	36.46	54.00	17.54	500.00	100.0	V	231.00	2
2368.00	48.44	---	74.00	25.56	500.00	200.0	V	46.00	2
2790.00	50.05	---	74.00	23.95	500.00	200.0	V	0.00	3
2994.00	---	38.00	54.00	16.00	500.00	200.0	V	275.00	4

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

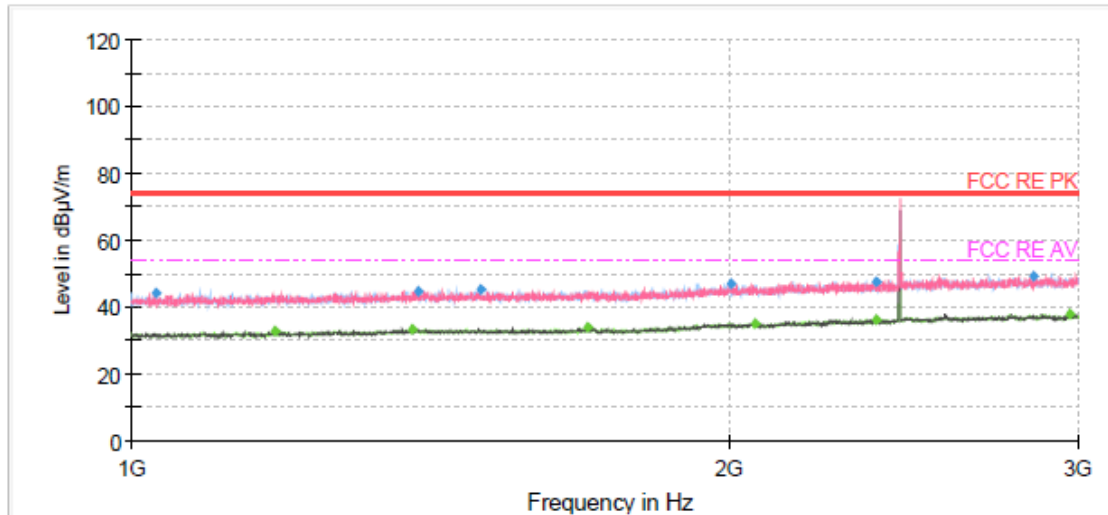


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3847.50	---	29.54	54.00	24.46	500.00	100.0	H	93.00	-4
3967.50	40.92	---	74.00	33.08	500.00	100.0	V	0.00	-4
4809.38	---	43.68	54.00	10.32	500.00	200.0	V	326.00	-2
4813.13	53.77	---	74.00	20.23	500.00	100.0	V	143.00	-2
7218.75	51.56	---	74.00	22.44	500.00	200.0	V	350.00	4
7335.00	---	37.29	54.00	16.71	500.00	100.0	H	9.00	5
9620.63	50.18	---	74.00	23.82	500.00	100.0	H	93.00	7
9620.63	---	41.33	54.00	12.67	500.00	200.0	V	0.00	7
11345.63	---	39.73	54.00	14.27	500.00	200.0	H	0.00	9
11366.25	51.15	---	74.00	22.85	500.00	100.0	H	9.00	9
14008.13	56.89	---	74.00	17.11	500.00	100.0	H	4.00	12
14070.00	---	44.68	54.00	9.32	500.00	200.0	H	263.00	12

Radiates Emission from 3GHz to 18GHz

2440 MHz

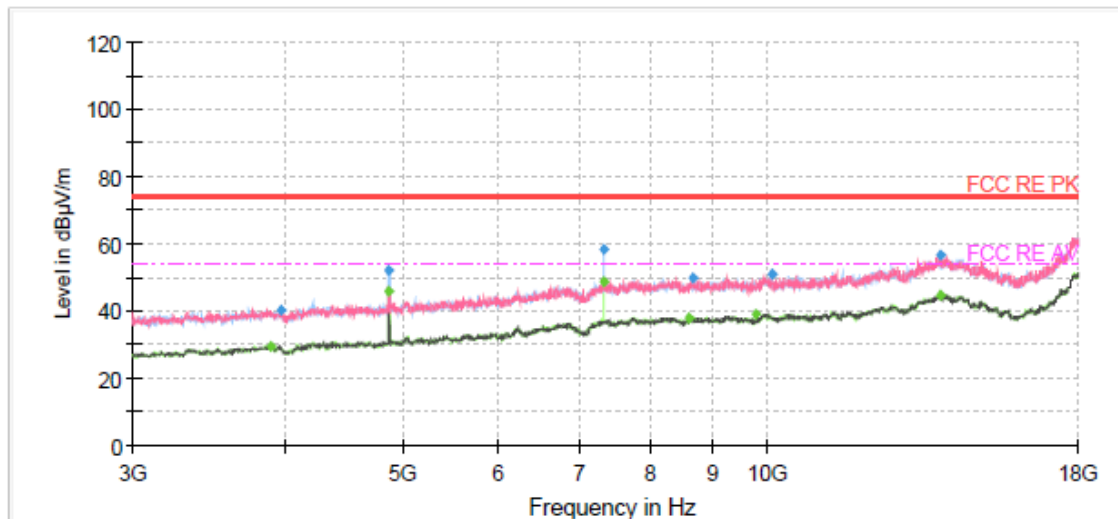


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1029.25	44.41	---	74.00	29.59	500.00	200.0	V	2.00	-5
1181.00	---	32.62	54.00	21.38	500.00	200.0	H	239.00	-4
1386.25	---	33.60	54.00	20.40	500.00	100.0	V	158.00	-3
1394.00	44.96	---	74.00	29.04	500.00	100.0	V	327.00	-3
1500.75	45.27	---	74.00	28.73	500.00	200.0	H	358.00	-2
1698.50	---	33.82	54.00	20.18	500.00	200.0	V	7.00	-2
2006.50	47.02	---	74.00	26.98	500.00	200.0	V	2.00	1
2061.25	---	35.14	54.00	18.86	500.00	200.0	H	330.00	1
2372.50	47.48	---	74.00	26.52	500.00	100.0	V	288.00	2
2374.50	---	36.28	54.00	17.72	500.00	200.0	V	349.00	2
2847.25	49.33	---	74.00	24.67	500.00	100.0	H	21.00	3
2971.50	---	37.90	54.00	16.10	500.00	200.0	V	220.00	4

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz

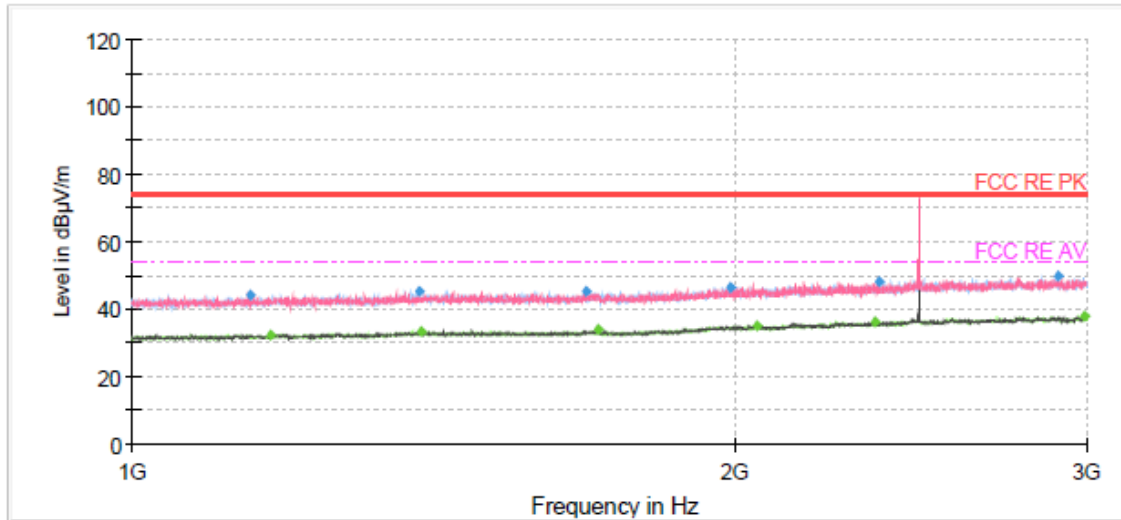


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3903.75	---	29.71	54.00	24.29	500.00	100.0	V	358.00	-4
3973.13	40.37	---	74.00	33.63	500.00	100.0	V	336.00	-4
4878.75	52.26	---	74.00	21.74	500.00	200.0	H	0.00	-1
4878.75	---	46.06	54.00	7.94	500.00	200.0	H	0.00	-1
7320.00	---	48.89	54.00	5.11	500.00	100.0	H	2.00	5
7323.75	58.03	---	74.00	15.97	500.00	100.0	H	262.00	5
8617.50	---	37.73	54.00	16.27	500.00	200.0	H	6.00	7
8662.50	49.97	---	74.00	24.03	500.00	100.0	H	246.00	7
9759.38	---	39.20	54.00	14.80	500.00	200.0	V	0.00	7
10057.50	50.87	---	74.00	23.13	500.00	100.0	H	43.00	7
13869.38	---	44.78	54.00	9.22	500.00	200.0	H	65.00	12
13871.25	56.65	---	74.00	17.35	500.00	100.0	V	159.00	12

Radiates Emission from 3GHz to 18GHz

2475 MHz

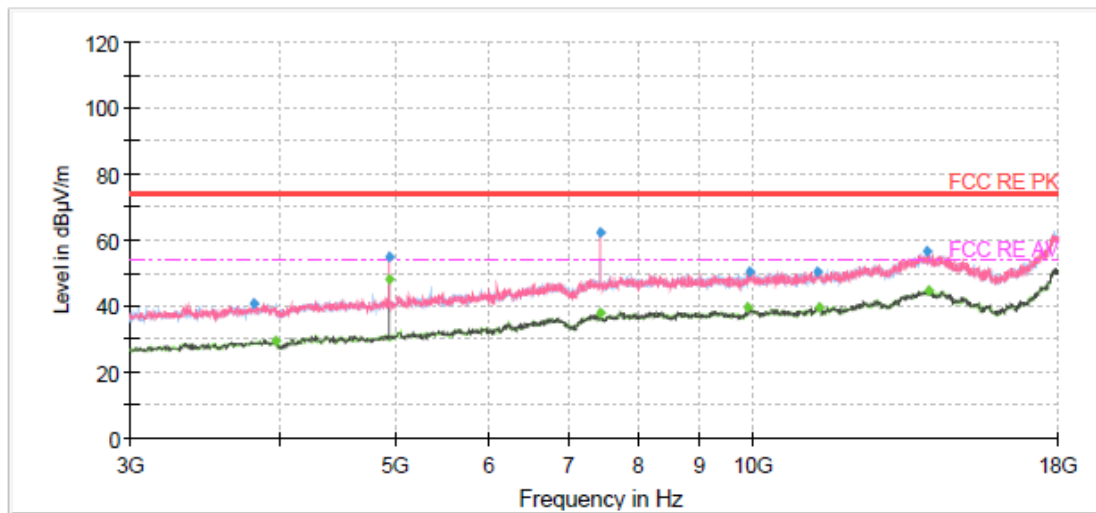


Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1146.25	43.92	---	74.00	30.08	500.00	200.0	V	92.00	-4
1173.25	---	32.47	54.00	21.53	500.00	100.0	H	24.00	-4
1390.25	45.10	---	74.00	28.90	500.00	200.0	V	6.00	-3
1393.75	---	33.59	54.00	20.41	500.00	200.0	H	292.00	-3
1685.00	45.37	---	74.00	28.63	500.00	200.0	V	8.00	-2
1709.75	---	33.91	54.00	20.09	500.00	200.0	V	2.00	-2
1990.00	46.42	---	74.00	27.58	500.00	100.0	V	97.00	0
2054.25	---	35.28	54.00	18.72	500.00	100.0	V	354.00	1
2352.75	---	35.95	54.00	18.05	500.00	200.0	H	322.00	2
2360.75	47.94	---	74.00	26.06	500.00	200.0	V	1.00	2
2905.00	49.76	---	74.00	24.24	500.00	100.0	H	304.00	3
2992.25	---	37.99	54.00	16.01	500.00	200.0	V	3.00	4

Note: The signal beyond the limit is carrier.

Radiates Emission from 1GHz to 3GHz



Final Result

Frequency (MHz)	MaxPeak (dBμV/m)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3802.50	40.53	---	74.00	33.47	500.00	100.0	H	204.00	-5
3965.63	---	29.65	54.00	24.35	500.00	200.0	V	0.00	-4
4948.13	54.87	---	74.00	19.13	500.00	100.0	V	109.00	-1
4950.00	---	48.27	54.00	5.73	500.00	200.0	V	109.00	-1
7428.75	62.34	---	74.00	11.66	500.00	100.0	V	247.00	6
7428.75	---	38.13	54.00	15.87	500.00	200.0	V	247.00	6
9898.13	---	39.35	54.00	14.65	500.00	100.0	V	186.00	7
9900.00	50.19	---	74.00	23.81	500.00	100.0	H	266.00	7
11313.75	50.59	---	74.00	23.41	500.00	200.0	V	216.00	9
11341.88	---	39.90	54.00	14.10	500.00	200.0	V	291.00	9
13950.00	56.59	---	74.00	17.41	500.00	100.0	H	9.00	12
14015.63	---	44.45	54.00	9.55	500.00	100.0	H	45.00	12

Radiates Emission from 3GHz to 18GHz

5.3 AC Power Line Conducted Emissions

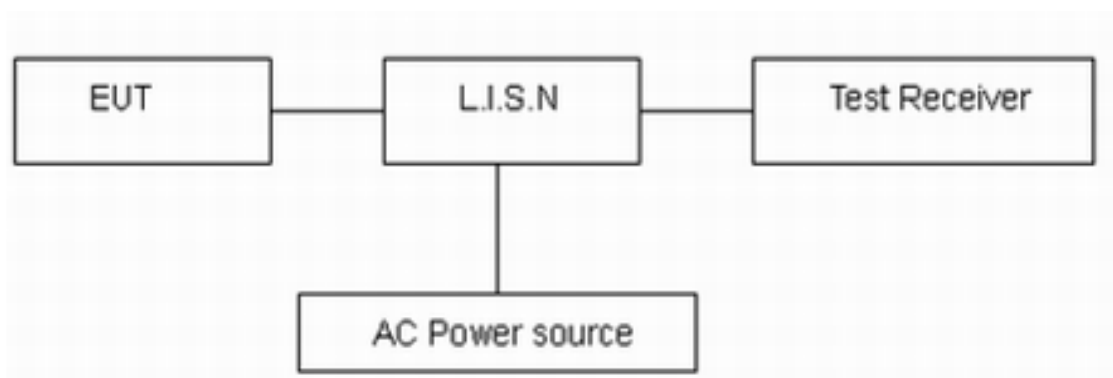
Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

The EUT is placed on a non-metallic table of 80cm height above the horizontal metal reference ground plane. During the test, the EUT was operating in its typical mode. The test method is according to ANSI C63.10-2013. Connect the AC power line of the EUT to the L.I.S.N. Use EMI receiver to detect the average and Quasi-peak value. RBW is set to 9 kHz, VBW is set to 30kHz. The measurement result should include both L line and N line. The test is in transmitting mode.

Test Setup



Note: AC Power source is used to change the voltage from 220V/50Hz to 110V/60Hz.

Limits

Frequency (MHz)	Conducted Limits(dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56 *	56 to 46*
0.5 - 5	56	46
5 - 30	60	50
*: Decreases with the logarithm of the frequency.		

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = 2$. $U = 1.19$ dB

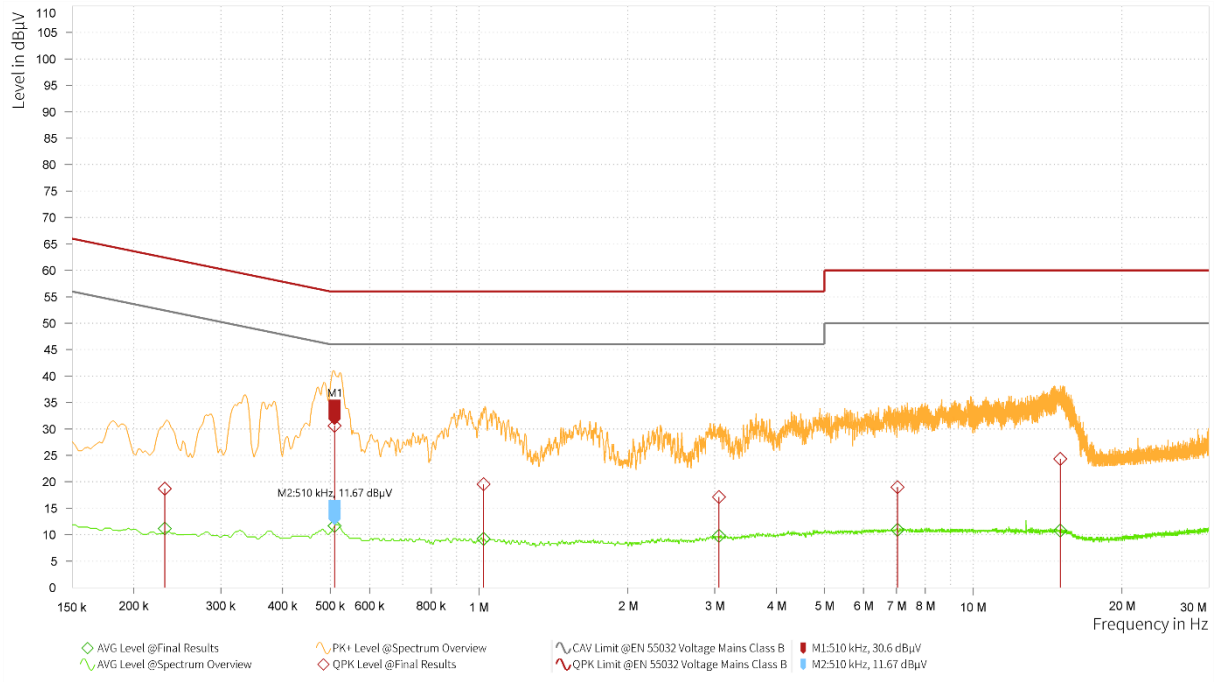
Test Results:



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.215	24.86	63.00	38.14	11.76	53.00	41.24	21.00	L1	9.000	1.000
0.512	32.70	56.00	23.30	12.58	46.00	33.42	20.77	L1	9.000	1.000
0.870	20.74	56.00	35.26	9.63	46.00	36.37	20.27	L1	9.000	1.000
1.599	20.71	56.00	35.29	9.15	46.00	36.85	19.79	L1	9.000	1.000
5.363	18.25	60.00	41.75	10.46	50.00	39.54	19.40	L1	9.000	1.000
15.644	25.53	60.00	34.47	10.93	50.00	39.07	19.52	L1	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

L line Conducted Emission from 150 kHz to 30 MHz



Frequency [MHz]	QPK Level [dBμV]	QPK Limit [dBμV]	QPK Margin [dB]	AVG Level [dBμV]	AVG: CAV Limit [dBμV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
0.231	18.69	62.41	43.73	11.16	52.41	41.26	21.00	N	9.000	1.000
0.510	30.60	56.00	25.40	11.67	46.00	34.33	20.78	N	9.000	1.000
1.021	19.53	56.00	36.47	9.22	46.00	36.78	20.15	N	9.000	1.000
3.057	17.12	56.00	38.88	9.78	46.00	36.22	19.49	N	9.000	1.000
7.028	18.97	60.00	41.03	10.91	50.00	39.09	19.41	N	9.000	1.000
15.023	24.35	60.00	35.65	10.76	50.00	39.24	19.53	N	9.000	1.000

Remark: Correct factor=cable loss + LISN factor

N line Conducted Emission from 150 kHz to 30 MHz

6 Main Test Instruments

Name of Equipment	Manufacturer	Type/Model	Serial Number	Calibration Date	Expiration Time
EMI Test Receiver	R&S	ESCI3	100948	2025-05-07	2026-05-06
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	1023	2023-07-14	2026-07-13
Signal Analyzer	R&S	FSV40	101298	2025-05-07	2026-05-06
Horn Antenna	R&S	HF 907	102723	2023-11-24	2026-11-23
Amplifier	R&S	SCU18	10034	2025-05-06	2026-05-05
Horn Antenna	ETS-Lindgren	3160-09	00102643	2024-09-24	2027-09-23
Software	R&S	EMC32	9.26.01	/	/
Artificial main network	R&S	ENV216	102191	2024-12-02	2026-12-01
EMI Test Receiver	R&S	ESR	101667	2025-05-06	2026-05-05
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

***** END OF REPORT *****