TEST REPORT

Applicant:	LETARON ELECTRONIC CO LTD
Address of Applicant:	No.253, Junma Road, Hengli Town, Dongguan City, Guangdong Province, China
Manufacturer:	LETARON ELECTRONIC CO LTD
Address of Manufacturer:	No.253, Junma Road, Hengli Town, Dongguan City, Guangdong Province, China
Product name:	Wireless Hand Scan Switch, Wireless Door Switch Wireless Touch Switch, Wireless Human Body Sensor
Model(s):	LSK-JJ-002, LSK-JJ-003, LSK-JJ-004, LSK-JJ-005
Rating(s):	AC 120V 60Hz For Adapter DC 3V Battery
Standards:	47 CFR Part 15 Subpart C section 15.247
FCC ID:	2BL73-LSKJJ002
Data of Receipt:	2024-09-21
Date of Test:	2024-09-21~2024-12-03
Date of Issue:	2024-12-03
Test Result	**Pass***

* In the configuration tested, the test item complied with the standards specified above.

Authorized for issue by:

Test by:			***Reviewed by:***		
Dec.03, 2024	Chivas Tsang Project Engineer	Chivas	Dec.03, 2024	Victor Meng Project Manager	Victor
Date	*Name/Position*	*Signature*	*Date*	*Name/Position*	*Signature*

Testing Laboratory information:

Testing Laboratory Name	:	ITL Co., Ltd
Address	:	No. 8, Jinqianling Street 5, Huangjiang Town, Dongguan, Guangdong, China
Testing location	:	Same as above
Tel	:	0086-769-39001678
Fax	:	0086-20-62824387
E-mail	:	itl@i-testlab.com

Possible test case verdicts:

- test case does not apply to the test object.. : N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement.. : F (Fail)

General remarks:

The test results presented in this report relate only to the object tested.
The results contained in this report reflect the results for this particular model and serial number. It is the responsibility of the manufacturer to ensure that all production models meet the intent of the requirements detailed within this report.

This report would be invalid test report without all the signatures of testing technician and approver.

This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.

General product information:

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1 Test Summary

Test	Test Requirement	Test method	Result
Antenna Requirement	FCC PART 15 C section 15.247 (c) and Section 15.203	FCC PART 15 C section 15.247 (c) and Section 15.203	PASS
Occupied Bandwidth	FCC PART 15 C section 15.247 (a)(2)	ANSI C63.10:2013	PASS
Maximum Peak Output Power	FCC PART 15 C section 15.247(b)(3)	ANSI C63.10: 2013	PASS
Peak Power Spectral Density	FCC PART 15 C section 15.247(e)	ANSI C63.10:2013	PASS
Conducted Spurious Emission (30MHz to 25GHz)	FCC PART 15 C section 15.209&15.247(d)	ANSI C63.10:2013	PASS
Radiated Spurious Emission (30 MHz to 25 GHz)	FCC PART 15 C section 15.209&15.247(d)	ANSI C63.10:2013	PASS
Radiated Emissions which fall in the restricted bands	FCC PART 15 C section 15.209	ANSI C63.10:2013	PASS
Band Edges Measurement	FCC PART 15 C section 15.209&15.247(d)	ANSI C63.10:2013	PASS
Conducted Emissions at Mains Terminals	FCC PART 15 C section 15.207	ANSI C63.10:2013	PASS

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3 General Information

3.1 Client Information

Applicant: LETARON ELECTRONIC CO LTD

Address of Applicant: No.253, Junma Road, Hengli Town, Dongguan City, Guangdong Province, China

3.2 General Description of E.U.T.

Name: Wireless Hand Scan Switch, Wireless Door Switch
Wireless Touch Switch, Wireless Human Body Sensor

Model No.: LSK-JJ-002, LSK-JJ-003, LSK-JJ-004, LSK-JJ-005

Operating Frequency 2401 MHz to 2482 MHz

82 channels with 1MHz step

Channels:

channel	Frequency	channel	Frequency	channel	Frequency	channel	Frequency
1	2401	21	2420	41	2440	61	2460
2	2402	22	2421	42	2441	62	2461
3	2403	23	2422	43	2442	63	2462
4	2404	24	2423	44	2443	64	2463
5	2405	25	2424	45	2444	65	2464
6	2406	26	2425	46	2445	66	2465
7	2407	27	2426	47	2446	67	2466
8	2408	28	2427	48	2447	68	2467
9	2409	29	2428	49	2448	69	2468
10	2410	30	2429	50	2449	70	2469
11	2411	31	2430	51	2450	71	2470
12	2412	32	2431	52	2451	72	2471
13	2413	33	2432	53	2452	73	2472
14	2414	34	2433	54	2453	74	2473
15	2415	35	2434	55	2454	75	2474
16	2416	36	2435	56	2455	76	2475
17	2417	37	2436	57	2456	77	2476
18	2418	38	2437	58	2457	78	2477
19	2419	39	2438	59	2458	79	2478
20	2420	40	2439	60	2459	80	2479
81	2480	83	2482				
82	2481						

Type of Modulation GFSK

Antenna Type: PCB Antenna with 0 dBi peak Gain

Function: Smart Control

3.3 Details of E.U.T

EUT Power Supply:	AC 120V 60Hz (For Adapter)
Test mode:	The program used to control the EUT for staying in continuous transmitting and receiving mode is programmed. Channel lowest (2401MHz), middle (2440MHz) and highest (2482MHz) are chosen for full testing.

3.4 Description of Support Units

The EUT has been tested as an independent unit for fixed frequency by testing lab.

3.5 Test Location

All the tests were performed in ITL Co., Ltd. Which is located at No. 8, Jinqianling Street 5, Huangjiang Town, Dongguan, Guangdong, China.

Tel: 0086-769-39001678, Fax: 0086-20-62824387

No tests were sub-contracted.

3.6 Deviation from Standards

None.

3.7 Abnormalities from Standard Conditions

None.

3.8 Other Information Requested by the Customer

None.

3.9 Test Facility

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

- **CNAS Lab code:L9342**
- **FCC Designation No.:CN5035**
- **IC Registration NO.: 12593A**
- **NVLAP LAB CODE: 600199-0**

3.10 Measurement Uncertainty

The below measurement uncertainties given below are based on a 95% confidence level (base on a coverage factor (k=2).)

Parameter	Uncertainty
Radio frequency	2.25%
total RF power, conducted	±1.34 dB
RF power density , conducted	±1.49 dB
All emissions, radiated	±2.72 dB
Temperature	±0.68°C
Humidity	±0.8 RH
DC and low frequency voltages	±1.5 %

4 Instruments Used during Test

No.	Test Equipment	Manufacturer	Model	Serial No.	Cal Data	Due Date
DGITL-301	Semi-Anechoic chamber	ETS•Lindgren	9*6*6	CT000874-1181	2023.08.02	2026.08.02
DGITL-307	EMI test receiver	SCHWARZBECK	ESVS10	833616/003	2024.03.15	2025.03.15
DGITL-376	Wideband Radio Communication Tester	SCHWARZBECK	CMW500	LR114195	2024.03.15	2025.03.15
DGITL-349a	Vector Signal Generator	ROHDE&SCHWARZ	SMBV100A	259268	2024.03.15	2025.03.15
DGITL-306	Spectrum Analyzer	Agilent Technologies	N9010A	MY54200334	2024.03.15	2025.03.15
DGITL-352	Pre Amplifier	MInI-CIrcuits	ZFC-1000HX	SN292801110	2024.03.15	2025.03.15
DGITL-375	Spectrum Analyzer	SCHWARZBECK	FSV40-N	6625-01-588-5515	2024.03.15	2025.03.15
DGITL-309	Horn Antenna	ETS Lindgren	3117	SN00152265	2023.05.14	2025.05.14
DGITL-308	Bilog Antenna	ETS· Lindgren	3142E	156975	2023.05.14	2025.05.14
DGITL-350	Wideband Amplifier Super Ultra	MInI-CIrcuits	ZVA-183X-S+	SN986401426	2024.03.15	2025.03.15
DGITL-371	Pre Amplifier	teramicrowave	TALA-0040G35	18081001	2024.03.15	2025.03.15
DGITL-363	Active Loop Antenna	SCHWARZBECK	FMZB1519B	00062	2024.05.15	2026.05.11

5 Test Results

5.1 E.U.T. test conditions

Test Voltage: AC 120V 60Hz

Temperature: 23.2 -25.0 °C

Humidity: 38-50 % RH

Atmospheric Pressure: 1000 -1010 mbar

Requirements:

15.31(e): For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. For battery operated equipment, the equipment tests shall be performed using a new battery.

15.32: Power supplies and CPU boards used with personal computers and for which separate authorizations are required to be obtained shall be tested as follows: Testing shall be in accordance with the procedures specified in Section 15.31 of this part.

Test frequencies and frequency range:

According to the 15.31(m) Measurements on intentional radiators or receivers, other than TV broadcast receivers, shall be performed and, if required, reported for each band in which the device can be operated with the device operating at the number of frequencies in each band specified in the following table:

According to the 15.33 (a) For an intentional radiator, the spectrum shall be investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to at least the frequency shown in the following table:

Number of fundamental frequencies to be tested in EUT transmit band

Frequency range in which	Number of	Location in frequency range
1 MHz or less	1	Middle
1 MHz to 10 MHz	2	1 near top and 1 near bottom
More than 10 MHz	3	1 near top, 1 near middle and 1 near bottom

Frequency range of radiated emission measurements

Lowest frequency generated	Upper frequency range of measurement
9 kHz to below 10 GHz	10th harmonic of highest fundamental frequency or to 40 GHz,
At or above 10 GHz to below	5th harmonic of highest fundamental frequency or to 100 GHz,
At or above 30 GHz	5th harmonic of highest fundamental frequency or to 200 GHz,

EUT channels and frequencies list:

channel	Frequency	channel	Frequency	channel	Frequency	channel	Frequency
1	2401	21	2420	41	2440	61	2460
2	2402	22	2421	42	2441	62	2461
3	2403	23	2422	43	2442	63	2462
4	2404	24	2423	44	2443	64	2463
5	2405	25	2424	45	2444	65	2464
6	2406	26	2425	46	2445	66	2465
7	2407	27	2426	47	2446	67	2466
8	2408	28	2427	48	2447	68	2467
9	2409	29	2428	49	2448	69	2468
10	2410	30	2429	50	2449	70	2469
11	2411	31	2430	51	2450	71	2470
12	2412	32	2431	52	2451	72	2471
13	2413	33	2432	53	2452	73	2472
14	2414	34	2433	54	2453	74	2473
15	2415	35	2434	55	2454	75	2474
16	2416	36	2435	56	2455	76	2475
17	2417	37	2436	57	2456	77	2476
18	2418	38	2437	58	2457	78	2477
19	2419	39	2438	59	2458	79	2478
20	2420	40	2439	60	2459	80	2479
81	2480	83	2482				
82	2481						

Test frequencies are the lowest channel: 1 channel (2401MHz), middle channel: 41 channel (2440 MHz) and highest channel: 83 channel (2482 MHz)

Test the EUT in continuous transmission mode, duty cycle＞98%.

5.2 Antenna requirement

Standard requirement

15.203 requirements:

For intentional device. According to 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.

15.247(c) (1)(i) requirement:

(i) Systems operating in the 2400-2483.5 MHz bands that are used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6 dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna

The antenna is a PCB Antenna and no consideration of replacement. The best-case gain of the antenna is 0dBi.

Test result: The unit does meet the FCC requirements.

5.3 Occupied Bandwidth

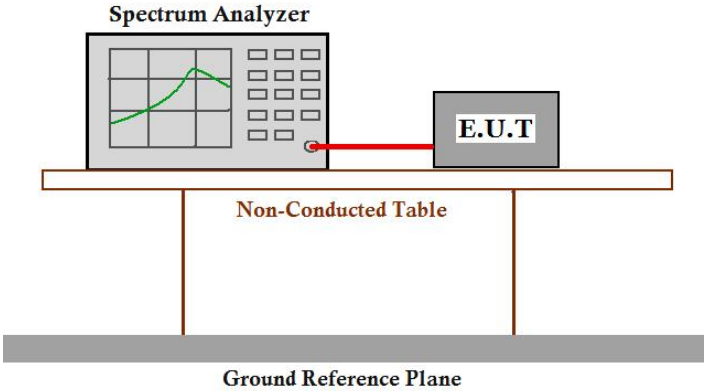
Test Requirement: FCC Part 15 C section 15.247

(a)(2) Systems using digital modulation techniques may operate in the 902-928 MHz, 2400-2483.5MHz, and 5725-5850 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.

Test Method: ANSI C63.10:2013

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

Test Configuration:

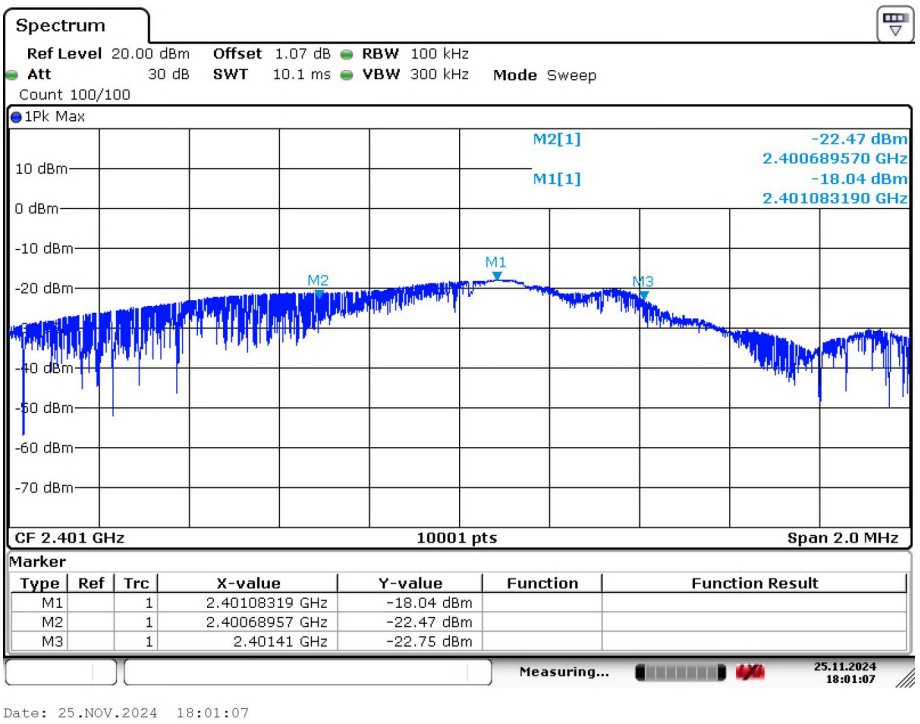


Test Procedure:

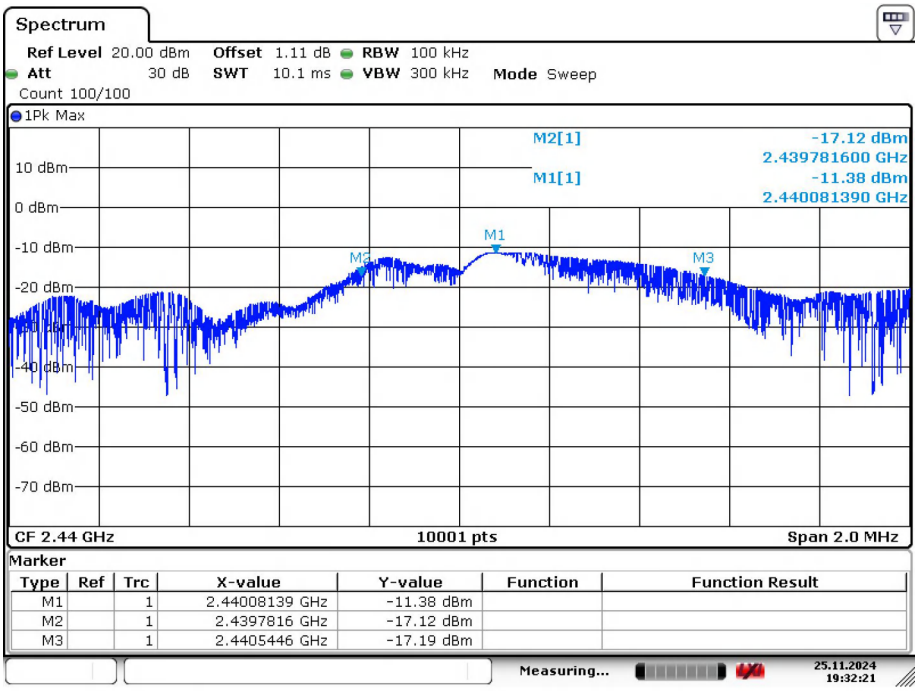
1. Remove the antenna from the EUT and then connect a low attention attenuation RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW=100 kHz. VBW = 300 kHz, Sweep = auto; Detector Function = Peak. Trace = Max Hold, Set span to encompass the entire emission bandwidth of the signal.
3. Mark the peak power frequency and -6dB (upper and lower) power frequency.
4. Repeat until all the test status is investigated.
5. Report the worst case.

Test result (6 dB bandwidth)

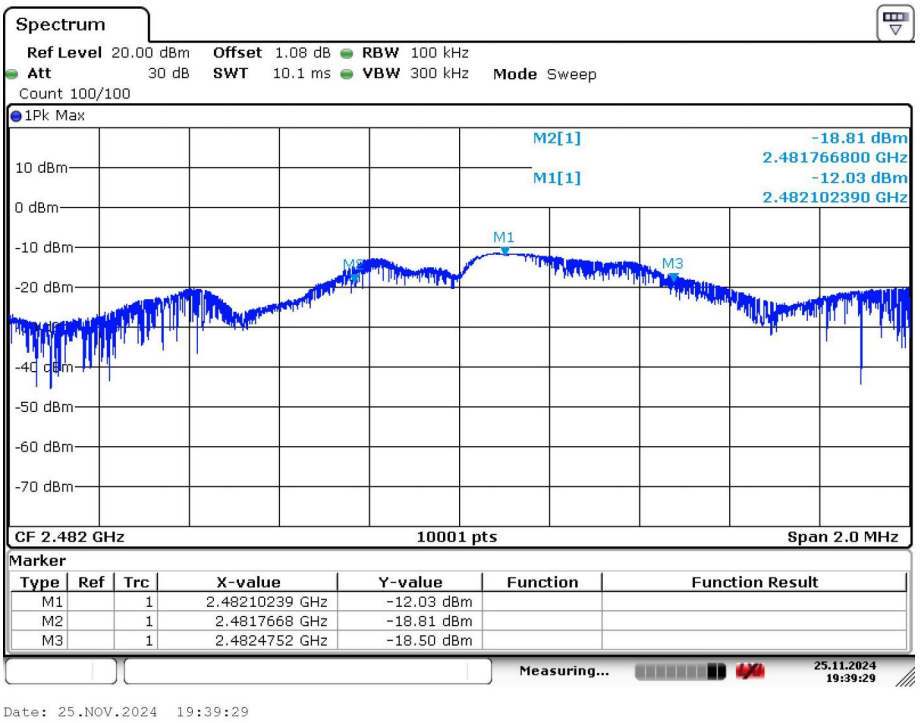
Frequency (MHz)	-6 dB Bandwidth (MHz)	Limit -6 dB Bandwidth (MHz)	Verdict
2401	0.720	0.5	Pass
2440	0.763	0.5	Pass
2482	0.708	0.5	Pass



-6dB Bandwidth 2401MHz



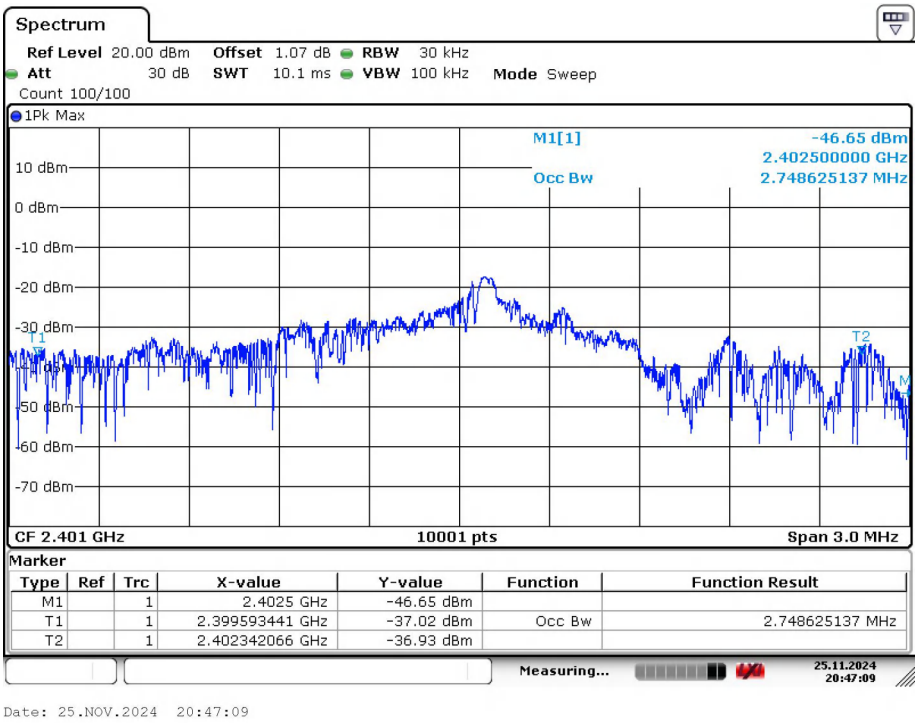
-6dB Bandwidth 2440MHz



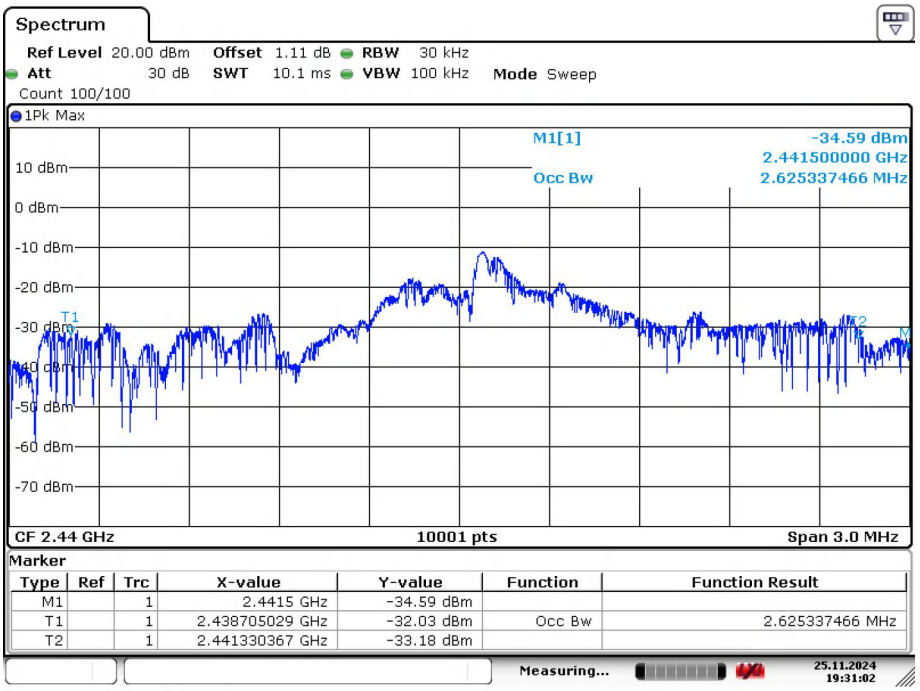
-6dB Bandwidth 2482MHz

Test Result (99% Occupied Bandwidth)

Frequency (MHz)	99% OBW (MHz)
2401	2.748
2440	2.625
2482	2.768

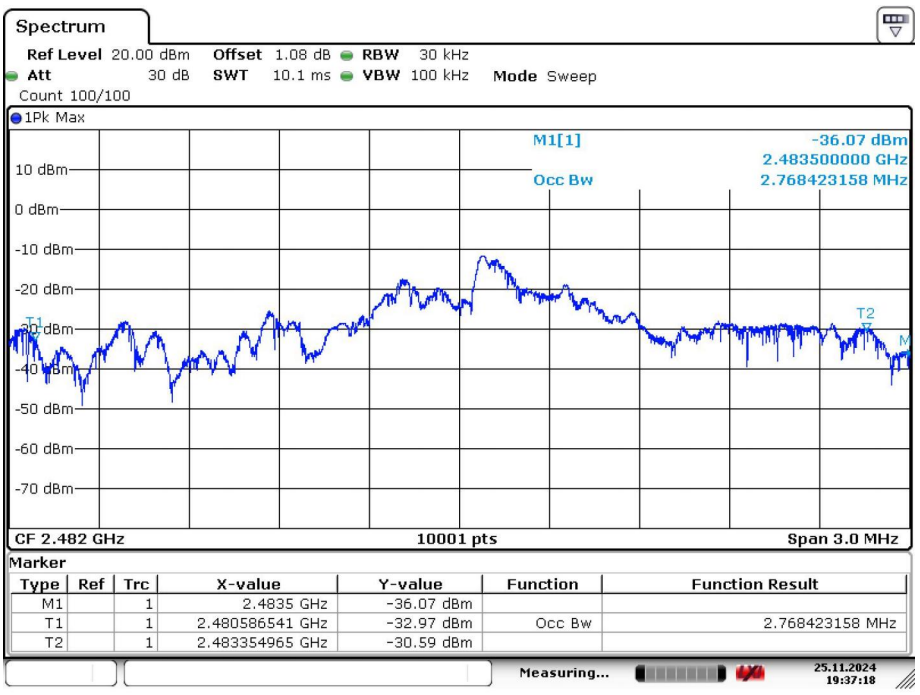


OBW 2401MHz



Date: 25.NOV.2024 19:31:02

OBW 2440MHz



Date: 25.NOV.2024 19:37:18

OBW 2482MHz

The unit does meet the FCC requirements.

5.4 Maximum Peak Output Power

Test Requirement: FCC Part 15 C section 15.247

(b)(3) For systems using digital modulation in the 902-928 MHz,

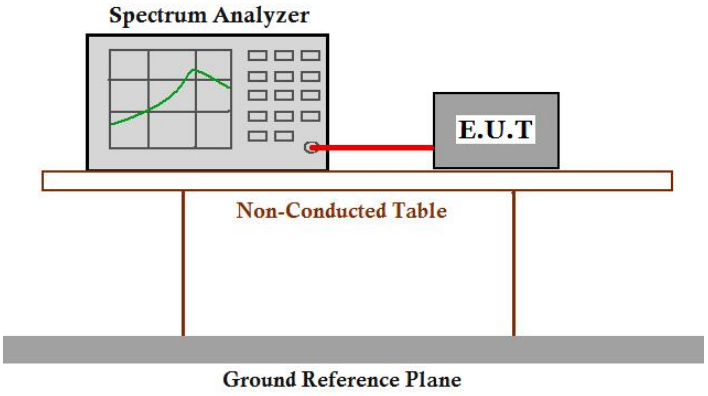
2400-2483.5 MHz and 5725-5850 MHz bands: 1 Watt.

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.

Test Method: ANSI C63.10:2013

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

Test Configuration:

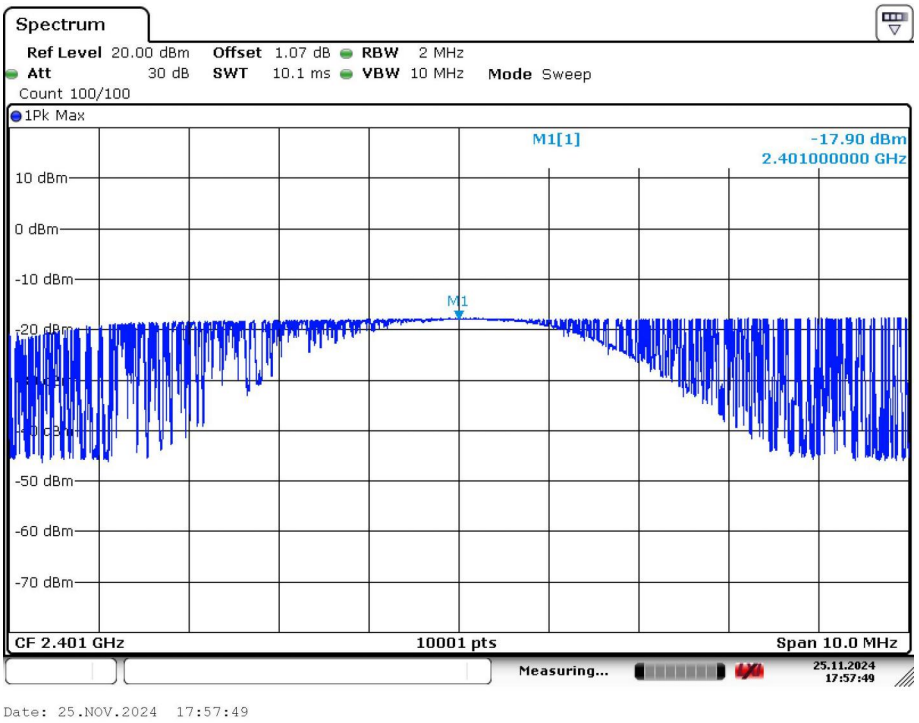


Test Procedure:

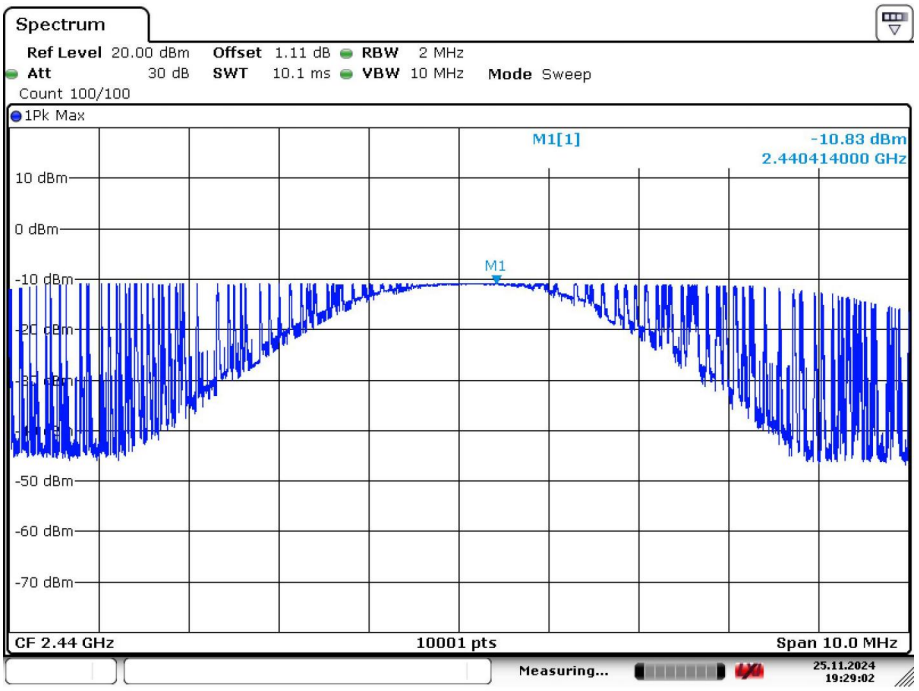
1. Remove the antenna from the EUT and then connect a low attention attenuation RF cable from the antenna port to the spectrum.
2. Set the RBW ⩾ DTS bandwidth
3. Set VBW ≥ 3 x RBW
4. Set span ⩾3 x RBW.
5. Sweep time = auto.
6. Detector = peak.
7. Trace mode = max hold.
8. Allow trace to fully stabilize
9. Use peak marker function to determine the peak amplitude level

Test Data:

Frequency (MHz)	Conducted Power (dBm)	Limit (dBm)	Verdict
2401	-17.90	30	Pass
2440	-10.83	30	Pass
2482	-11.46	30	Pass

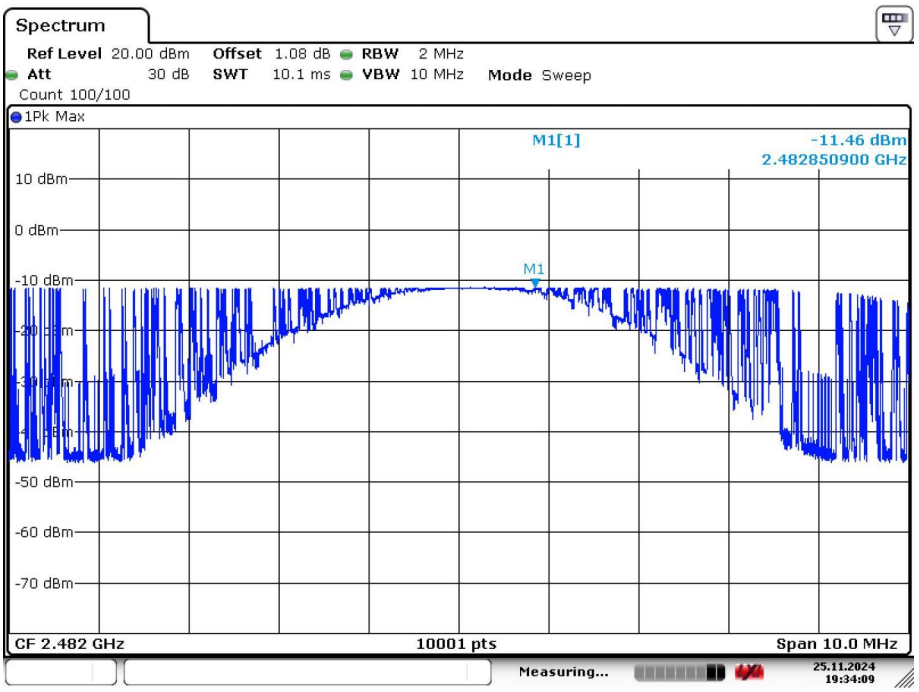


Power 2401MHz



Date: 25.NOV.2024 19:29:02

Power 2440MHz



Date: 25.NOV.2024 19:34:09

Power 2482MHz

The unit does meet the FCC requirements.

5.5 Peak Power Spectral Density

Test Requirement: FCC Part 15 C section 15.247

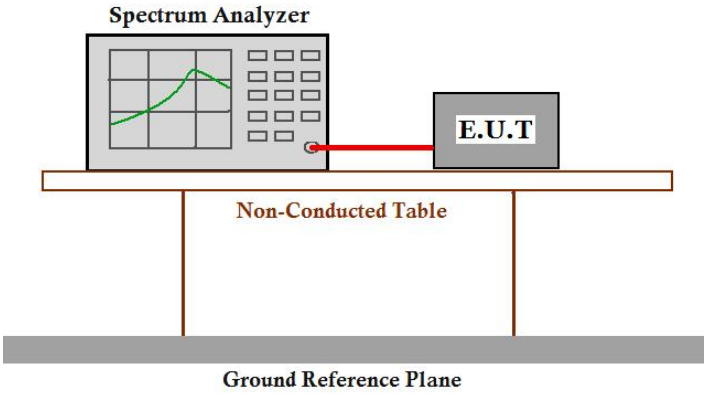
(e) For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

This power spectral density shall be determined in accordance with the provisions of paragraph (b) of this section. The same method of determining the conducted output power shall be used to determine the power spectral density.

Test Method: ANSI C63.10:2013

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

Test Configuration:



Test Procedure:

Remove the antenna from the EUT and then connect a low attention attenuation RF cable from the antenna port to the spectrum analyzer or power meter.

a) Set analyzer centre frequency to DTS channel centre frequency.

b) Set the span to 1.5 times the DTS bandwidth.

c) Set the RBW to 3 kHz ⩽ RBW ⩽ 100 kHz.

d) Set the VBW ⩾ [3 × RBW].

e) Detector = peak.

f) Sweep time = auto couple.

g) Trace mode = max hold.

h) Allow trace to fully stabilize.

i) Use the peak marker function to determine the maximum amplitude level within the RBW.

j) If measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat.

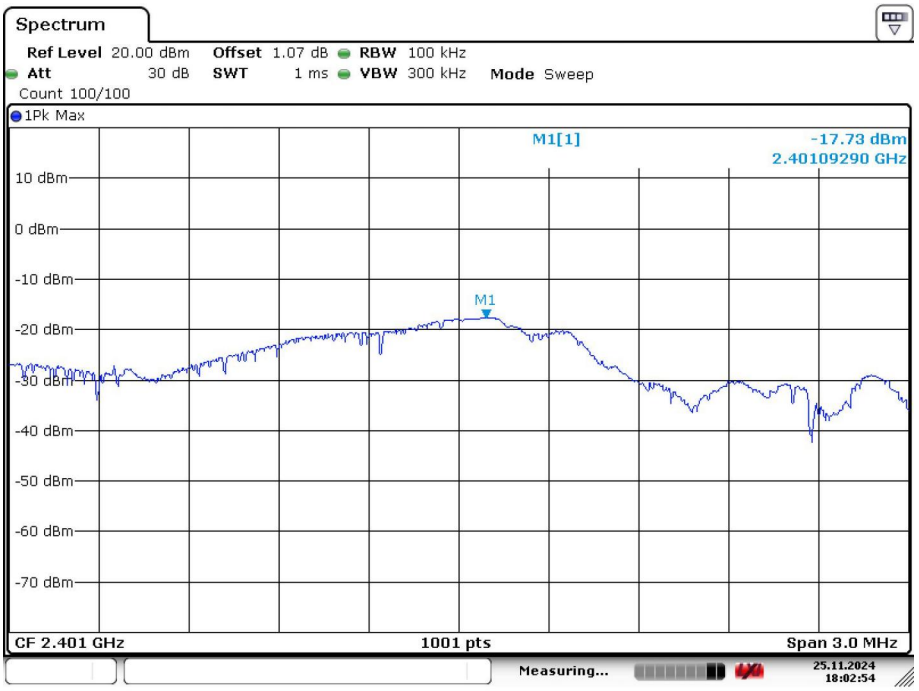
Measure the Power Spectral Density of the test frequency with special test status.

Repeat until all the test status is investigated.

Report the worst case.

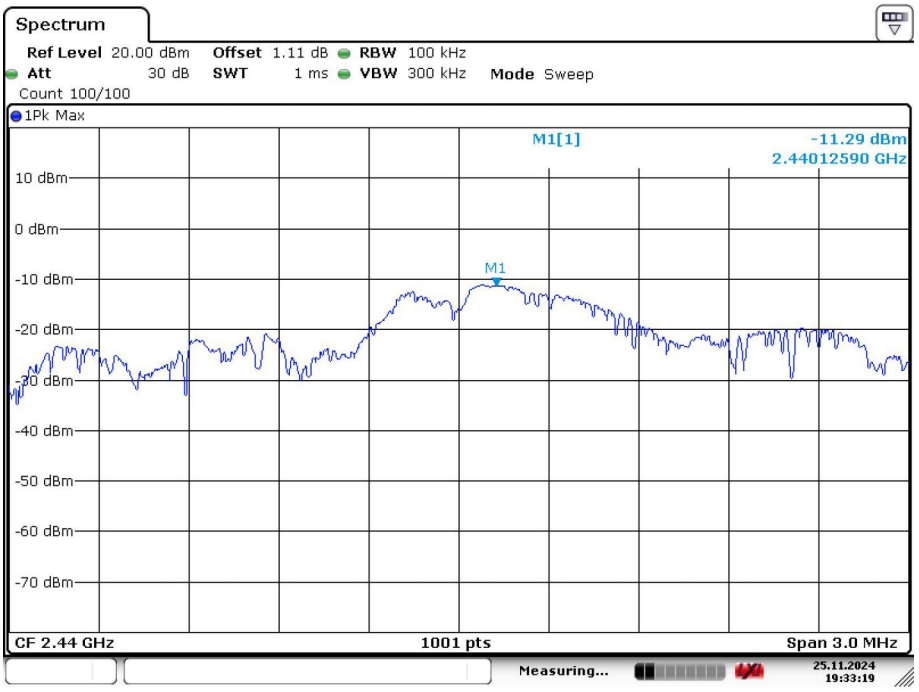
Test result:

Frequency (MHz)	Max PSD (dBm)	Limit (dBm)	Verdict
2401	-17.73	8	Pass
2440	-11.29	8	Pass
2482	-11.26	8	Pass



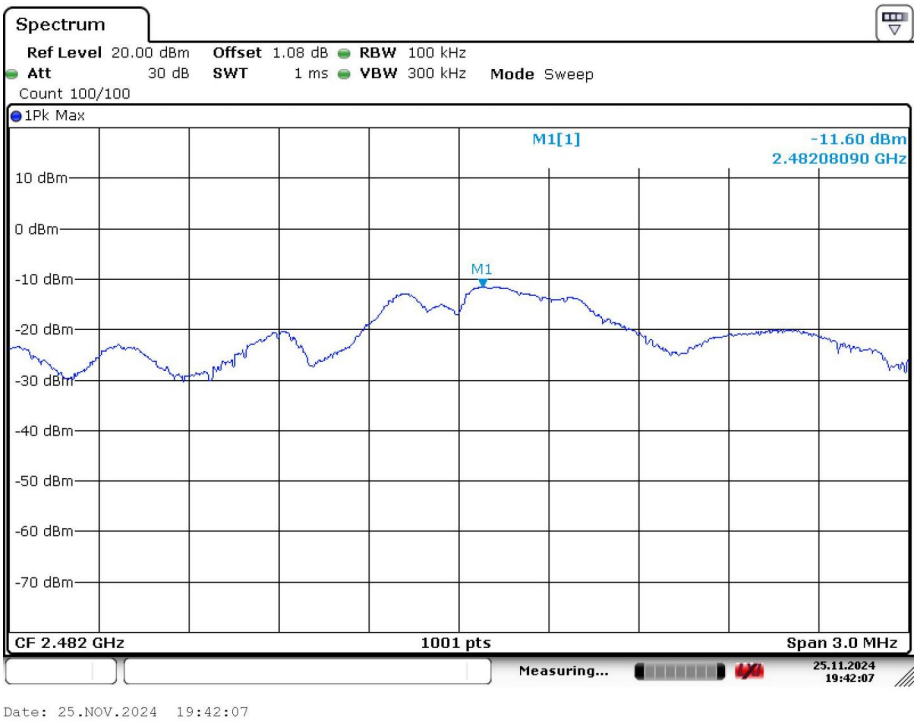
Date: 25.NOV.2024 18:02:54

PSD 2401MHz



Date: 25.NOV.2024 19:33:18

PSD 2440MHz



PSD 2482MHz

The unit does meet the FCC requirements.

5.6 Conducted Spurious Emissions

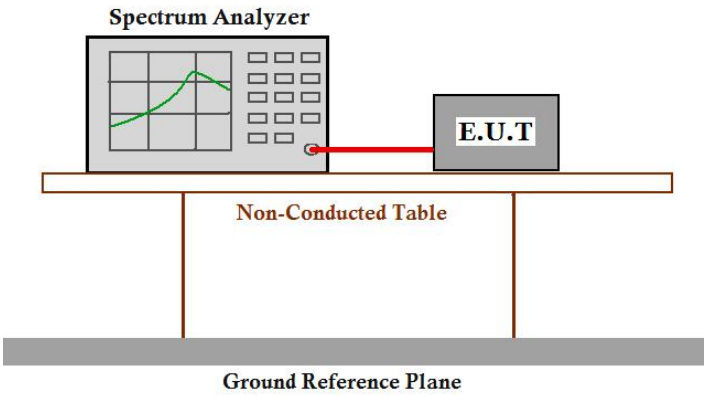
Test Requirement: FCC Part 15 C section 15.247

(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating. the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Based on either an RF conducted or a radiated measurement. Provided the transmitter demonstrates compliance with the peak conducted power limits.

Test Method: ANSI C63.10:2013

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

Test Configuration:

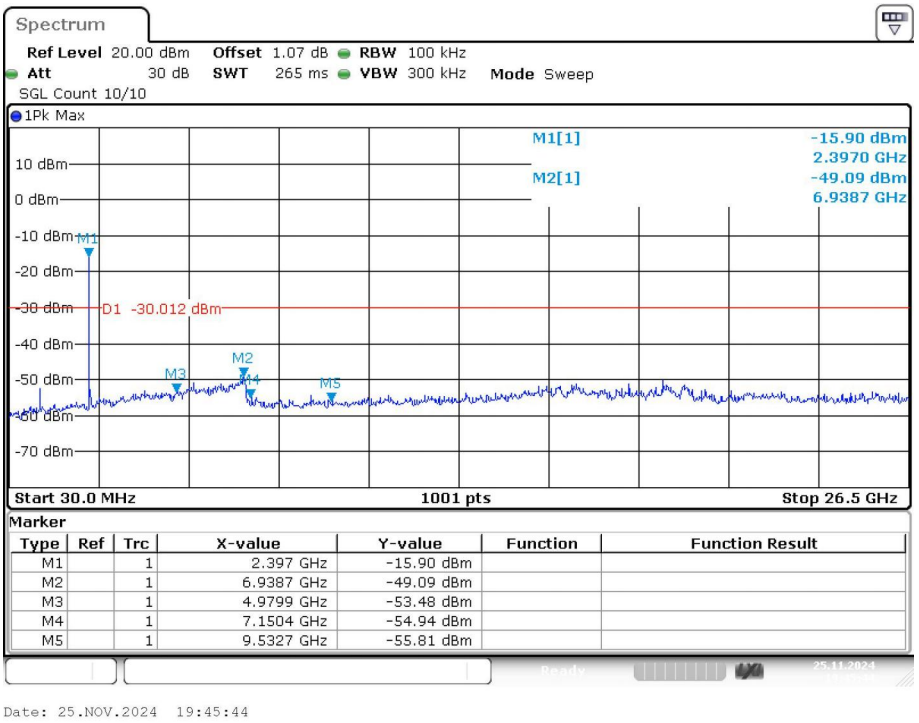


Test Procedure:

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer or power meter.
2. Set the spectrum analyzer: RBW=100 KHz, VBW = 300KHz. Sweep = auto; Detector Function = Peak. Trace = Max Hold, Scan up through 10th harmonic.
3. Measure the Conducted Spurious Emissions of the test frequency with special test status.
4. Repeat until all the test status is investigated.
5. Report the worst case.

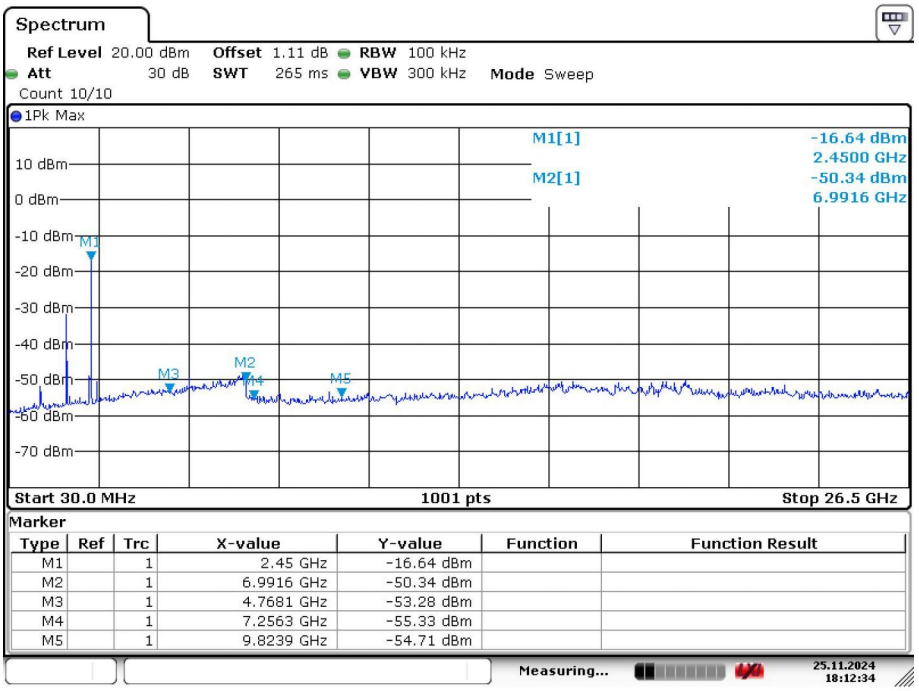
Test Data:

Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
2401	-39.08	-20	Pass
2440	-31.69	-20	Pass
2482	-22.67	-20	Pass



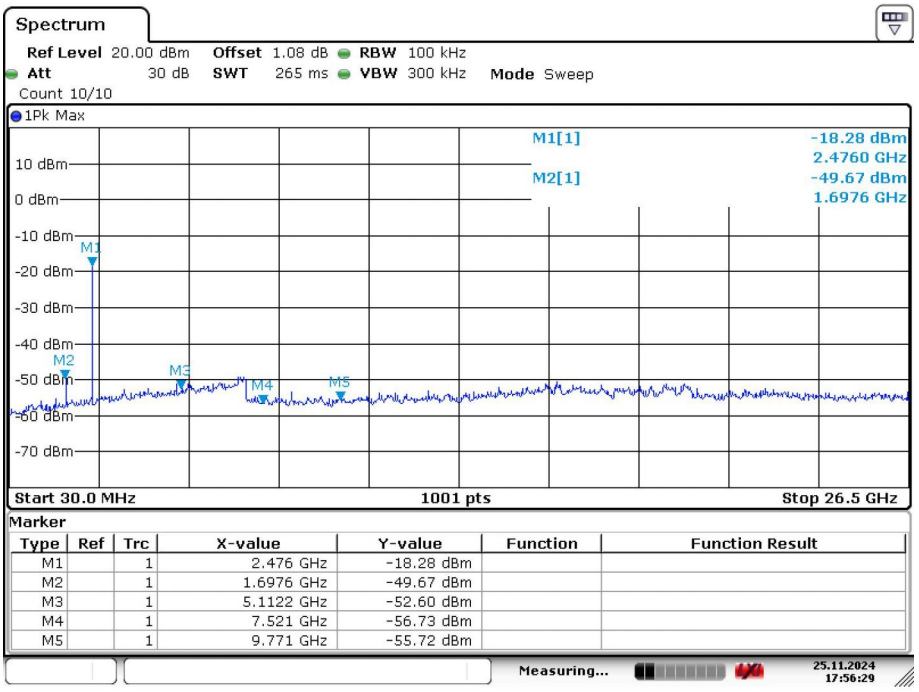
Date: 25.NOV.2024 19:45:44

Tx. Spurious 2402MHz Emission



Date: 25.NOV.2024 18:12:33

Tx. Spurious 2440MHz Emission



Date: 25.NOV.2024 17:56:29

Tx. Spurious 2480MHz Emission

Note: This line in the plots is a reference line for the 20dB down limit, not the limit.

The results do meet the FCC requirements.

5.7 Radiated Spurious Emissions

Test Requirement: FCC Part 15 C section 15.247
(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating. The radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that Contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, and provided the transmitter demonstrates compliance with the peak conducted power limits.

Test Method: ANSI C63.10:2013

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

Detector: For PK value:

RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz
VBW ≥ RBW
Sweep = auto

Detector function = peak

Trace = max hold

For AV value:

RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f <1 GHz, 9kHz for <30MHz

VBW =10Hz

Sweep = auto

Detector function = peak

Trace = max hold

15.209 Limit: 40.0 dBμV/m between 30MHz & 88MHz

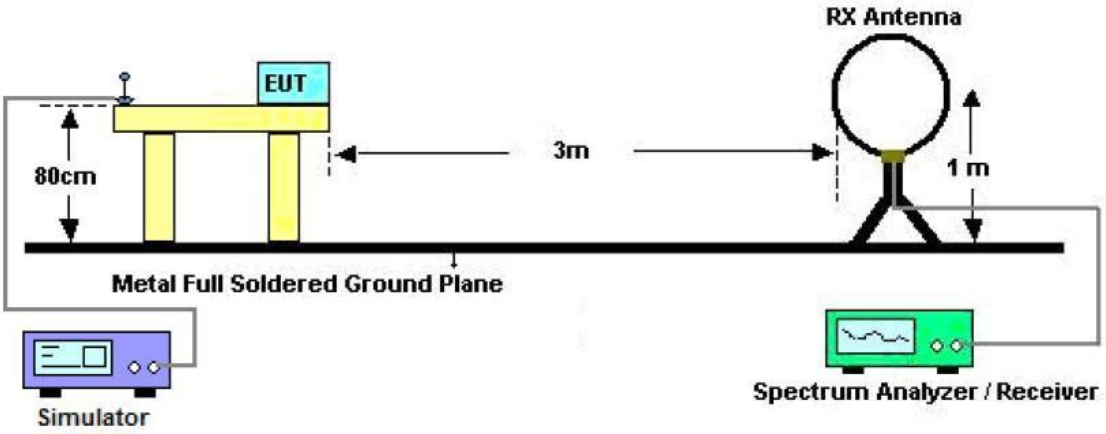
43.5 dBμV/m between 88MHz & 216MHz

46.0 dBμV/m between 216MHz & 960MHz

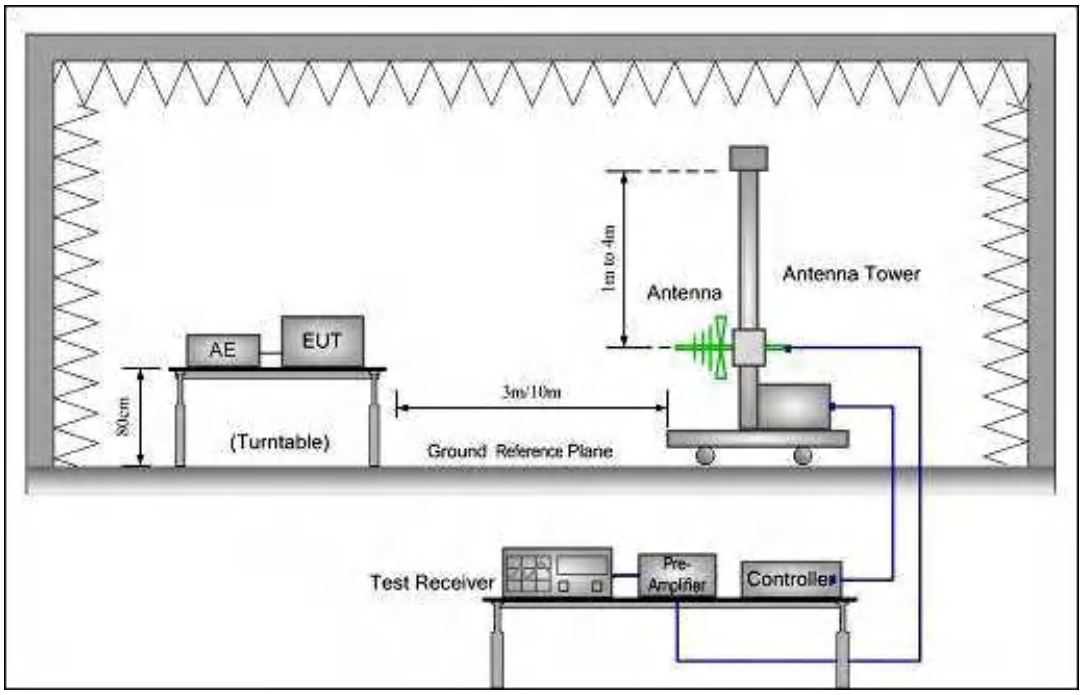
54.0 dBμV/m above 960MHz

Test Configuration:

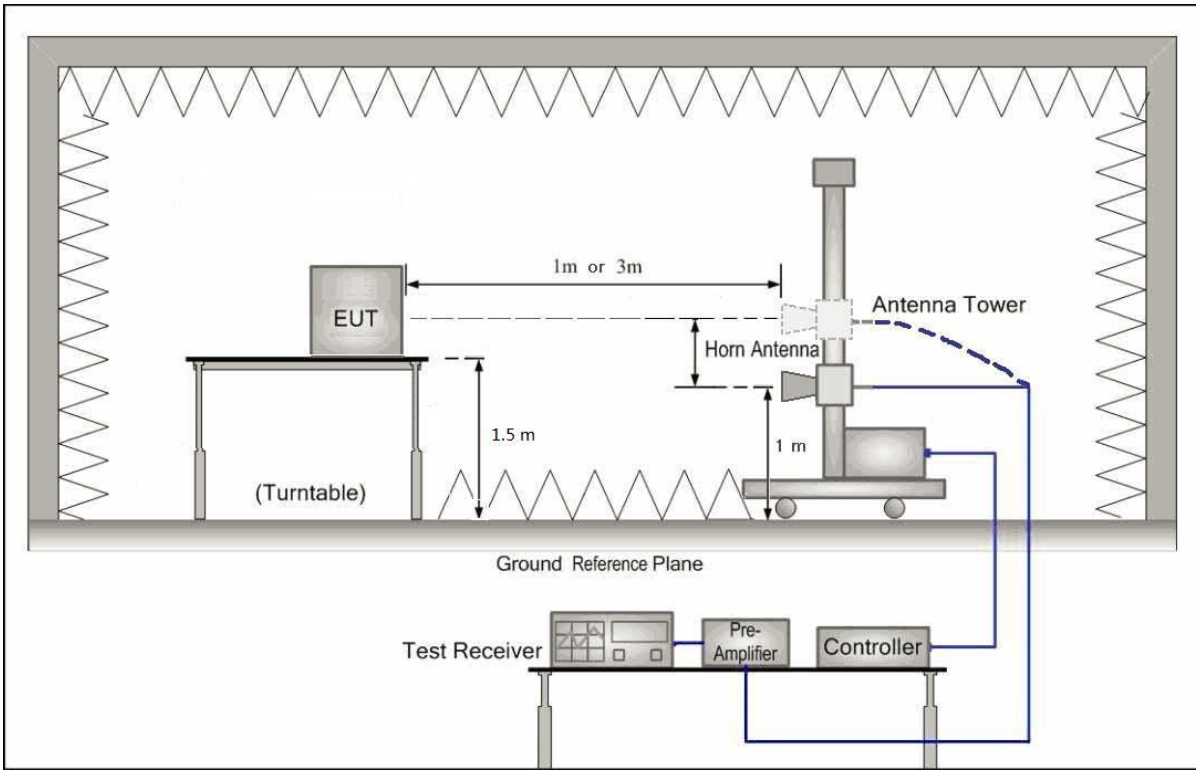
1) 9kHz to 30MHz emissions:



2) 30 MHz to 1 GHz emissions:



3) 1 GHz to 40 GHz emissions:



Test Procedure: **(1)** The receiver was scanned from 0.009MHz to 25GHz.When an emission was found, the table was rotated to produce the maximum signal strength. An initial pre-scan was performed for in peak detection mode using the receiver. The EUT was measured for both the Horizontal and Vertical polarities and performed a pre-test three orthogonal planes. For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage. After pre-test, It was found that the worse radiation emission was get at the X position. So the data shown was the X position only. The worst case emissions were reported.

(2) Now set the VBW to 10 Hz, while maintaining all of the other instrument settings. This peak level, once corrected, must comply with the limit specified in Section 15.209. If the dwell time per channel of the hopping signal is less than 100 ms, then the reading obtained with the 10 Hz VBW may be further adjusted by a "duty cycle correction factor", derived from 20log(dwell time/100 ms), in an effort to demonstrate compliance with the 15.209 limit. Submit this data.

(3) Pre-test under all modes below 1GHz, choose the worst case mode record On the report.

5.7.1 Harmonic and other spurious emissions

9 kHz~30MHz Test result

The Low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not report

30 MHz~1 GHz Spurious Emissions.

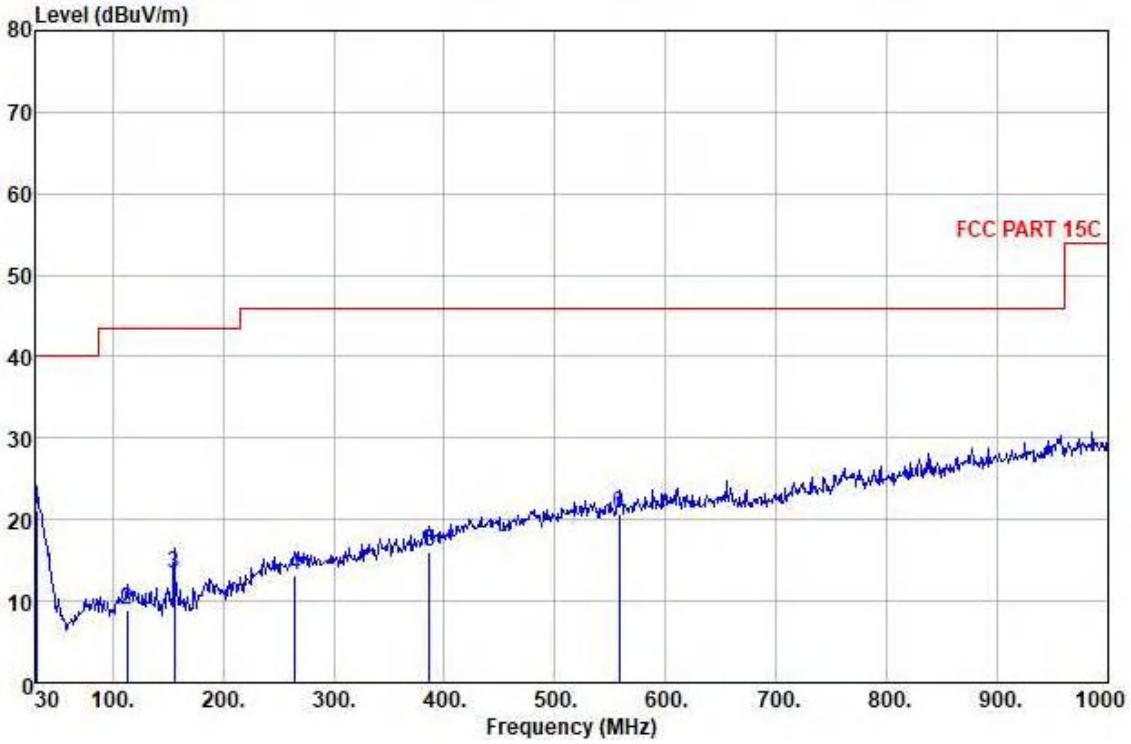
Quasi-Peak Measurement

Model: LSK-JJ-002

Horizontal:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

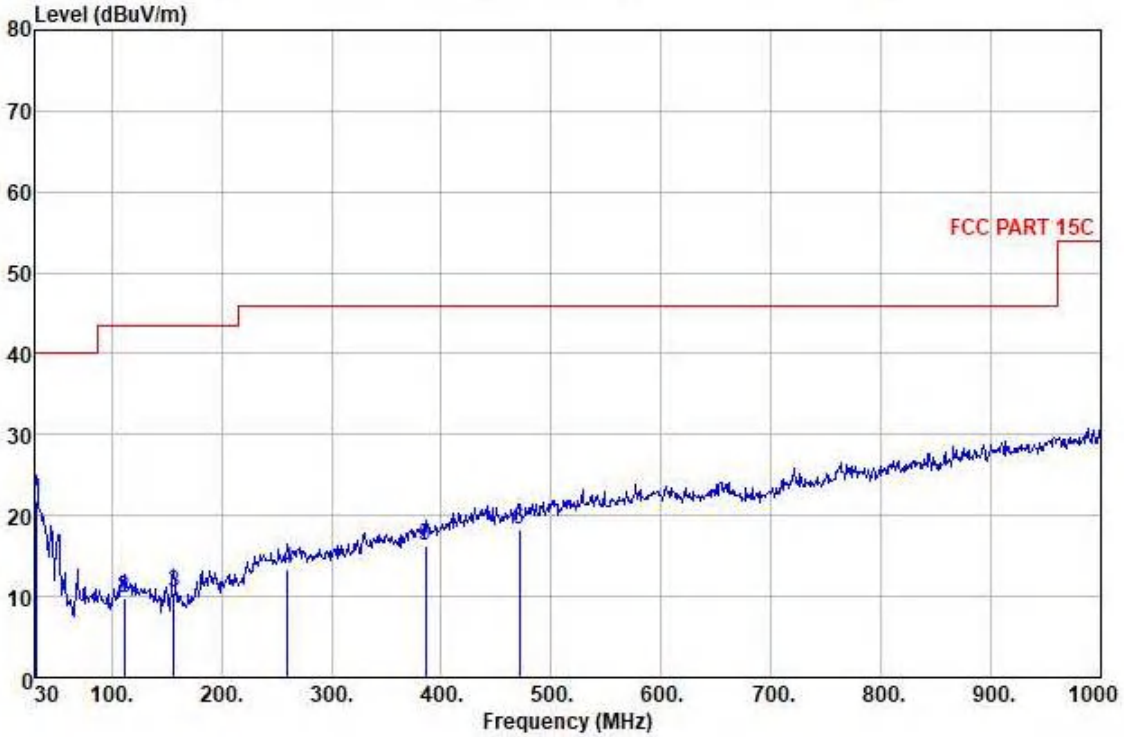
No.	Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
1	30.970	27.11	21.91	0.64	28.52	21.14	40.00	-18.86	HORIZONTAL	QP
2	113.420	26.55	9.75	1.25	28.56	8.99	43.50	-34.51	HORIZONTAL	QP
3	166.100	32.22	8.02	1.49	28.29	13.44	43.50	-30.06	HORIZONTAL	QP
4	264.740	25.61	12.96	1.99	27.41	13.15	46.00	-32.85	HORIZONTAL	QP
5	386.960	26.58	15.44	2.40	28.30	16.12	46.00	-29.88	HORIZONTAL	QP
6	557.680	28.71	17.85	2.94	28.84	20.66	46.00	-25.34	HORIZONTAL	QP

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Vertical:

Peak scan

Level (dBµV/m)



Quasi-peak measurement

No.	Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
1	31.940	28.56	21.22	0.65	28.54	21.89	40.00	-18.11	VERTICAL	QP
2	111.480	27.16	9.91	1.24	28.58	9.73	43.50	-33.77	VERTICAL	QP
3	167.070	29.10	8.04	1.50	28.24	10.40	43.50	-33.10	VERTICAL	QP
4	259.890	25.97	13.10	1.97	27.60	13.44	46.00	-32.56	VERTICAL	QP
5	385.990	26.81	15.42	2.40	28.31	16.32	46.00	-29.68	VERTICAL	QP
6	471.350	27.96	16.13	2.69	28.43	18.35	46.00	-27.65	VERTICAL	QP

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

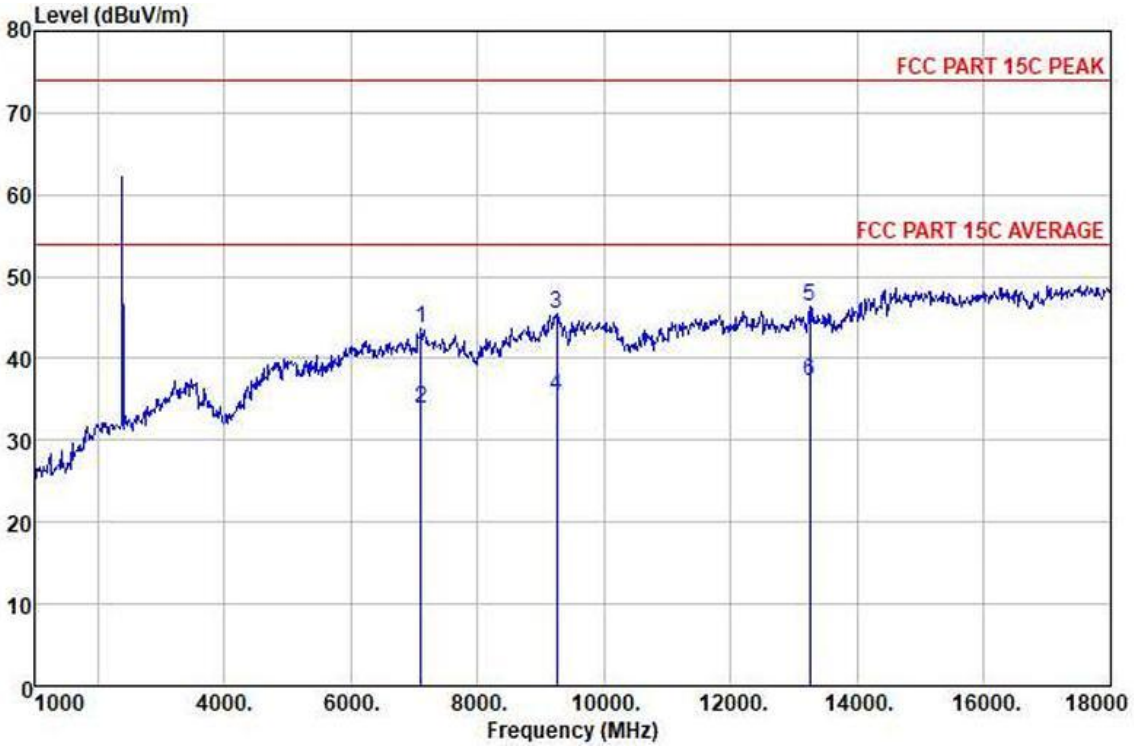
Spurious emissions above 1GHz

Test at low Channel in transmitting status

Horizontal:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7103.000	22.49	36.56	12.03	27.34	43.74	74.00	-30.26	HORIZONTAL	Peak
7103.000	12.63	36.56	12.03	27.34	33.88	74.00	-40.12	HORIZONTAL	Average
9245.000	19.69	38.80	14.11	27.18	45.42	74.00	-28.58	HORIZONTAL	Peak
9245.000	9.81	38.80	14.11	27.18	35.54	74.00	-38.46	HORIZONTAL	Average
13240.000	15.04	40.36	17.38	26.40	46.38	74.00	-27.62	HORIZONTAL	Peak
13240.000	5.97	40.36	17.38	26.40	37.31	74.00	-36.69	HORIZONTAL	Average

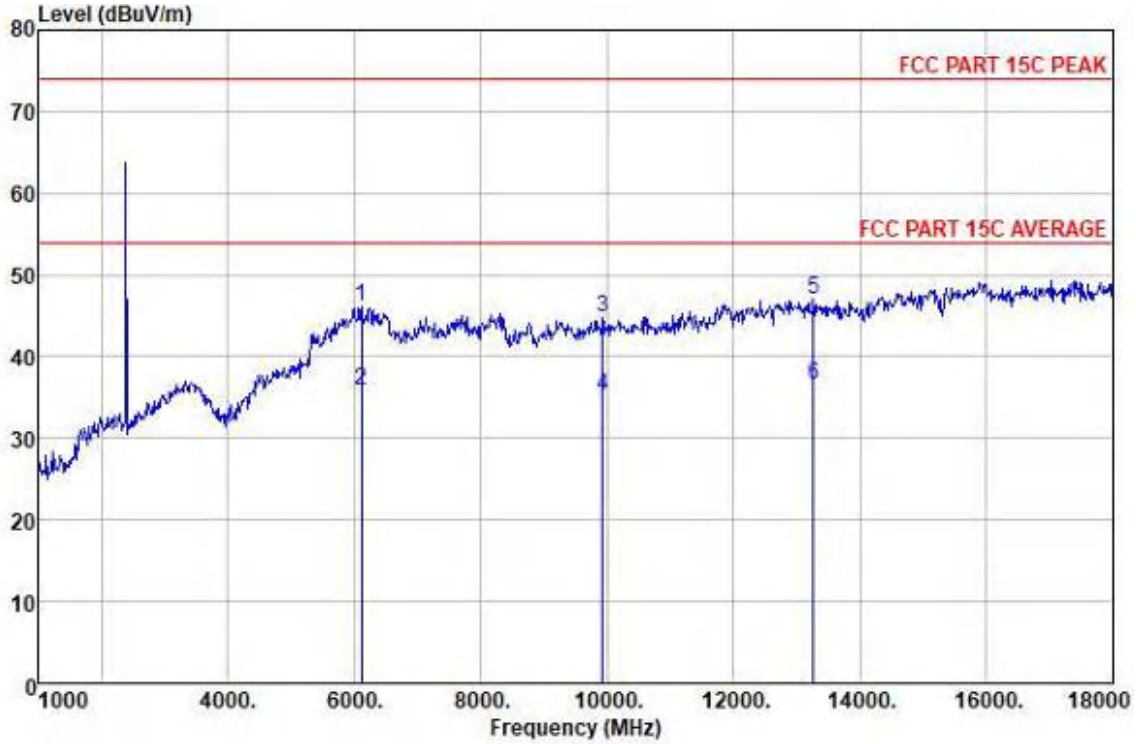
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
6117.000	26.64	35.88	11.02	27.41	46.13	74.00	-27.87	VERTICAL	Peak
6117.000	16.40	35.88	11.02	27.41	35.89	74.00	-38.11	VERTICAL	Average
9925.000	18.33	38.97	14.58	27.11	44.77	74.00	-29.23	VERTICAL	Peak
9925.000	8.74	38.97	14.58	27.11	35.18	74.00	-38.82	VERTICAL	Average
13257.000	15.62	40.34	17.39	26.40	46.95	74.00	-27.05	VERTICAL	Peak
13257.000	5.27	40.34	17.39	26.40	36.60	74.00	-37.40	VERTICAL	Average

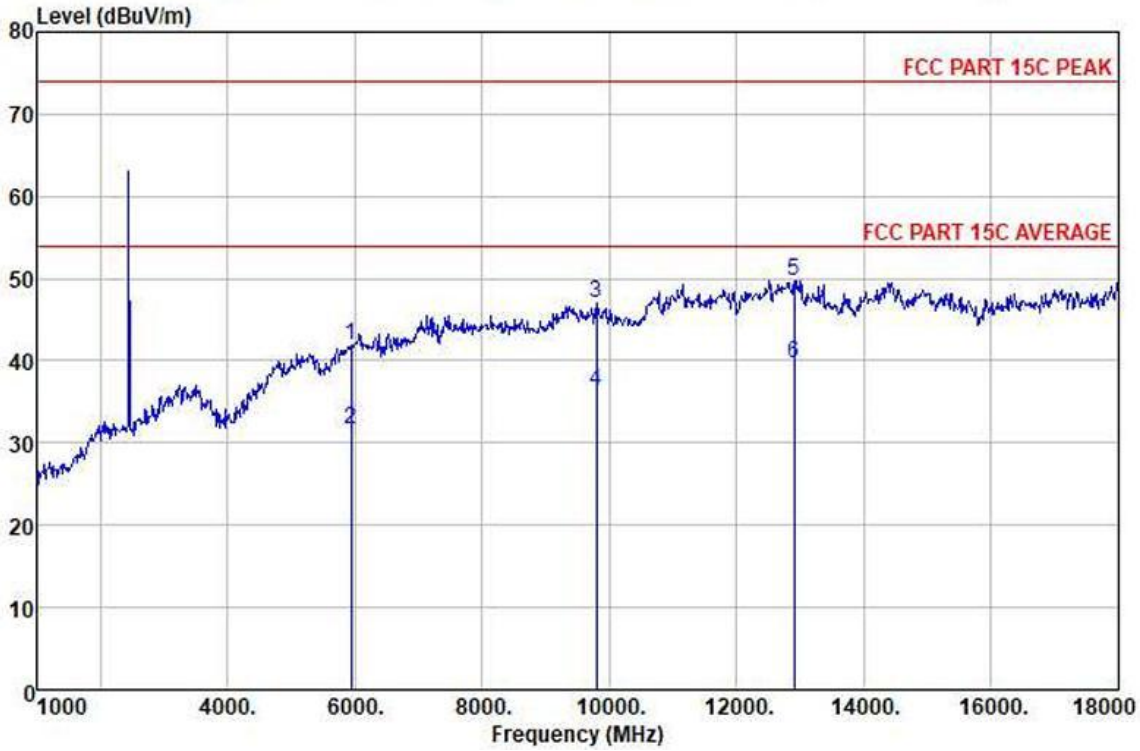
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Test at Middle Channel in transmitting status Horizontal:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
5947.000	22.81	35.78	10.84	27.43	42.00	74.00	-32.00	HORIZONTAL	Peak
5947.000	12.56	35.78	10.84	27.43	31.75	74.00	-42.25	HORIZONTAL	Average
9789.000	20.66	38.92	14.50	27.12	46.96	74.00	-27.04	HORIZONTAL	Peak
9789.000	10.08	38.92	14.50	27.12	36.38	74.00	-37.62	HORIZONTAL	Average
12900.000	18.73	40.46	17.10	26.52	49.77	74.00	-24.23	HORIZONTAL	Peak
12900.000	8.69	40.46	17.10	26.52	39.73	74.00	-34.27	HORIZONTAL	Average

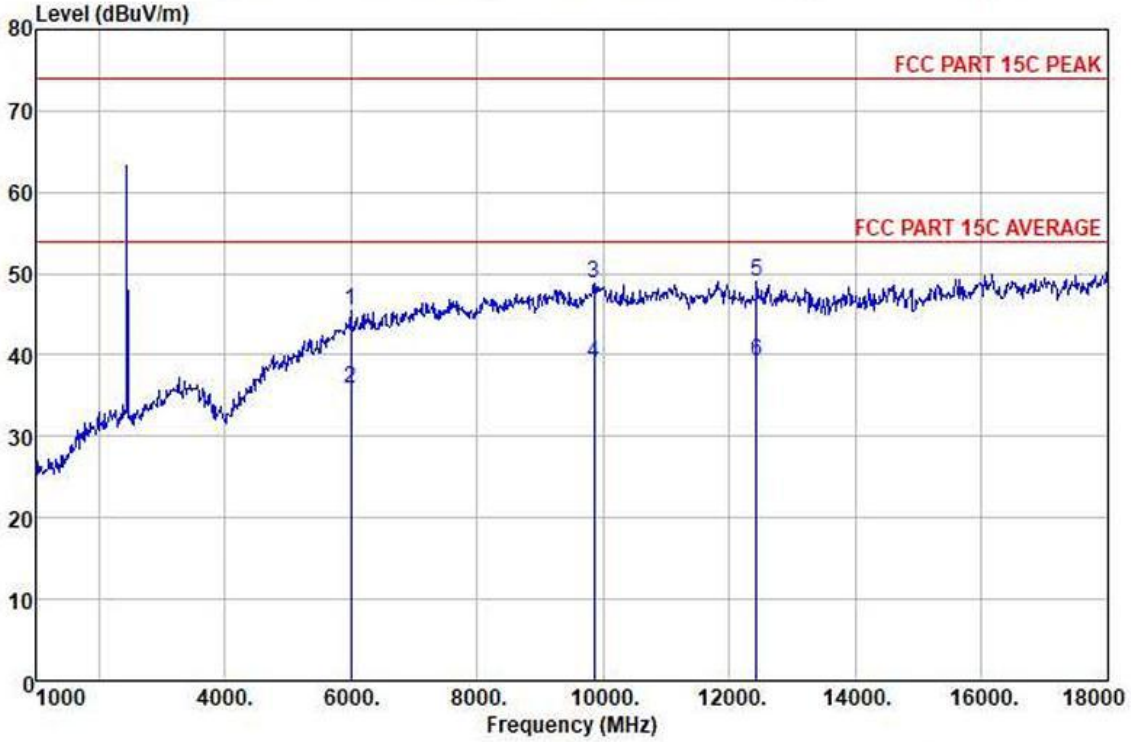
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
5998.000	26.04	35.99	10.90	27.42	45.51	74.00	-28.49	VERTICAL	Peak
5998.000	16.39	35.99	10.90	27.42	35.86	74.00	-38.14	VERTICAL	Average
9857.000	22.46	38.94	14.54	27.11	48.83	74.00	-25.17	VERTICAL	Peak
9857.000	12.65	38.94	14.54	27.11	39.02	74.00	-34.98	VERTICAL	Average
12424.000	19.55	39.52	16.72	26.70	49.09	74.00	-24.91	VERTICAL	Peak
12424.000	9.60	39.52	16.72	26.70	39.14	74.00	-34.86	VERTICAL	Average

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

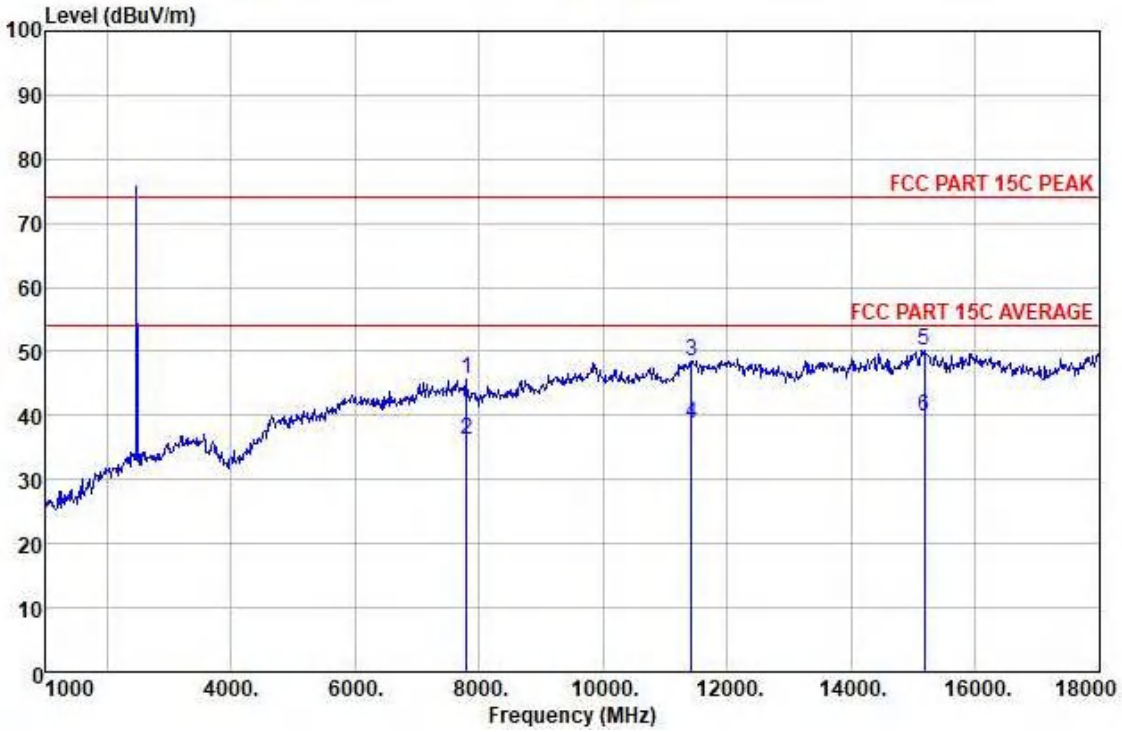
Note: The emission above limit is fundamental emission, which is not subject to the limit.

Test at high Channel in transmitting status

Horizontal:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7103.000	23.84	36.56	12.03	27.34	45.09	74.00	-28.91	HORIZONTAL	Peak
7103.000	13.82	36.56	12.03	27.34	35.07	74.00	-38.93	HORIZONTAL	Averag
11421.000	20.05	39.54	15.89	26.98	48.50	74.00	-25.50	HORIZONTAL	Peak
11421.000	10.34	39.54	15.89	26.98	38.79	74.00	-35.21	HORIZONTAL	Averag
15178.000	17.46	39.85	18.88	26.04	50.15	74.00	-23.85	HORIZONTAL	Peak
15178.000	7.18	39.85	18.88	26.04	39.87	74.00	-34.13	HORIZONTAL	Averag

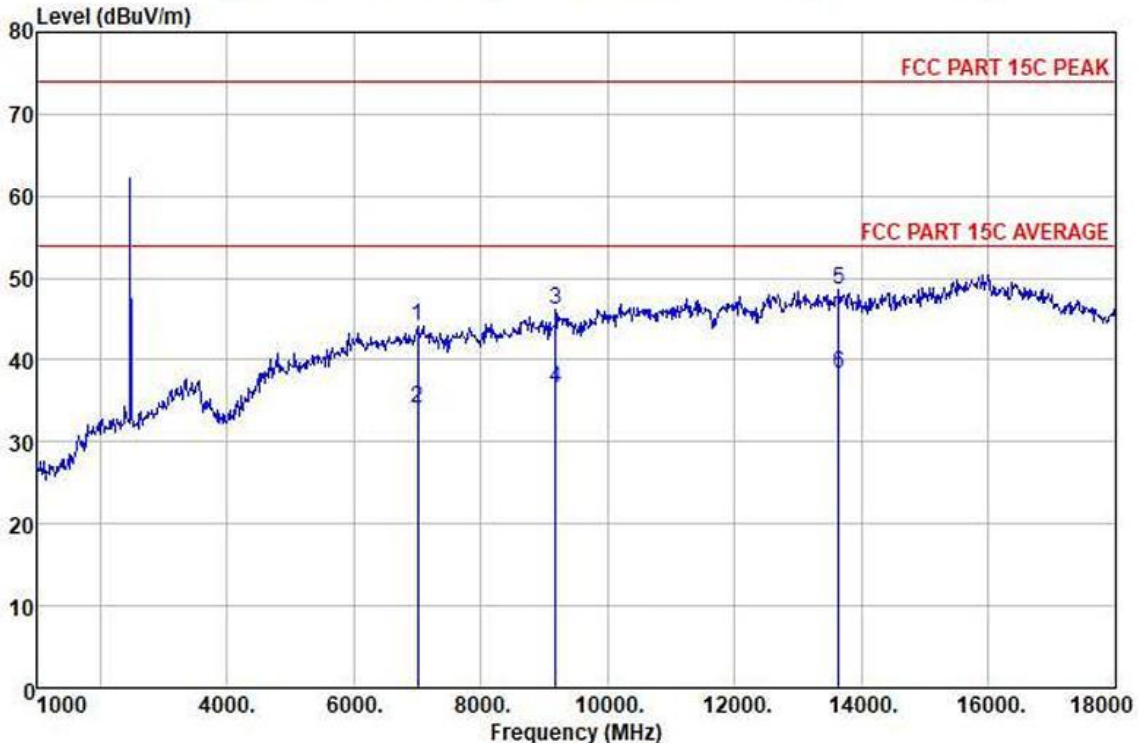
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7001.000	23.15	36.40	11.93	27.34	44.14	74.00	-29.86	VERTICAL	Peak
7001.000	13.07	36.40	11.93	27.34	34.06	74.00	-39.94	VERTICAL	Average
9177.000	20.36	38.80	14.05	27.19	46.02	74.00	-27.98	VERTICAL	Peak
9177.000	10.78	38.80	14.05	27.19	36.44	74.00	-37.56	VERTICAL	Average
13631.000	17.41	39.79	17.69	26.29	48.60	74.00	-25.40	VERTICAL	Peak
13631.000	7.17	39.79	17.69	26.29	38.36	74.00	-35.64	VERTICAL	Average

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

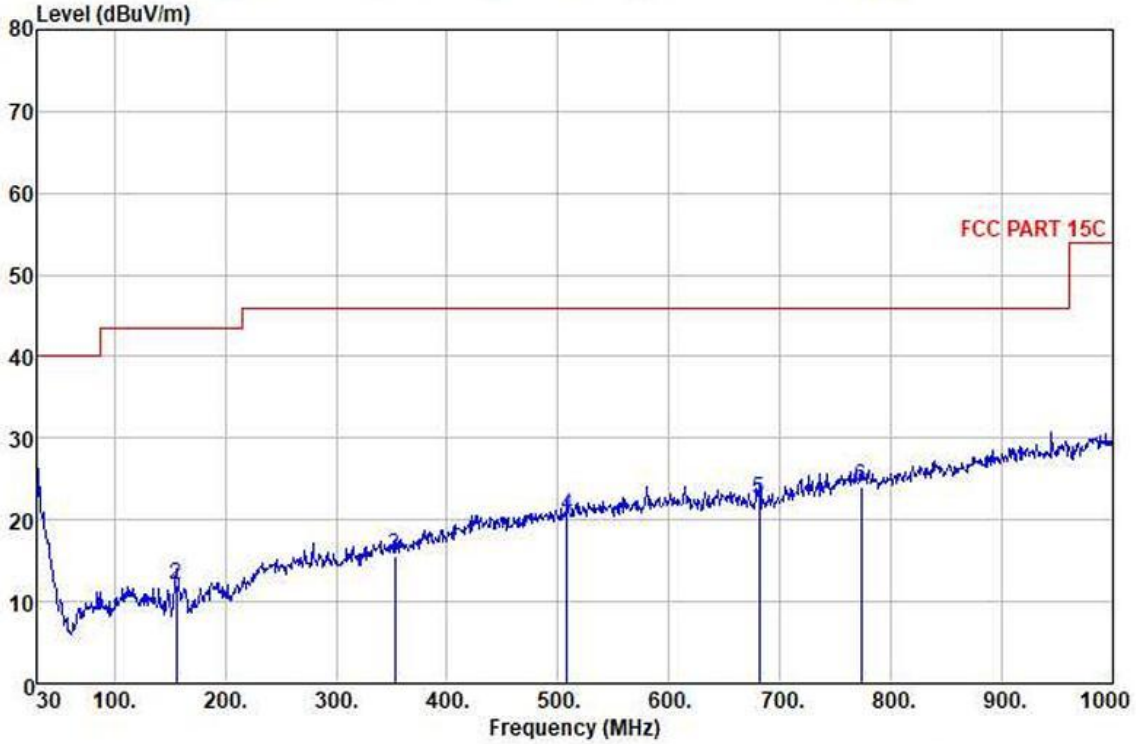
Note: The emission above limit is fundamental emission, which is not subject to the limit.

Model: LSK-JJ-003

Horizontal:

Peak scan

Level (dBµV/m)



Quasi-peak measurement

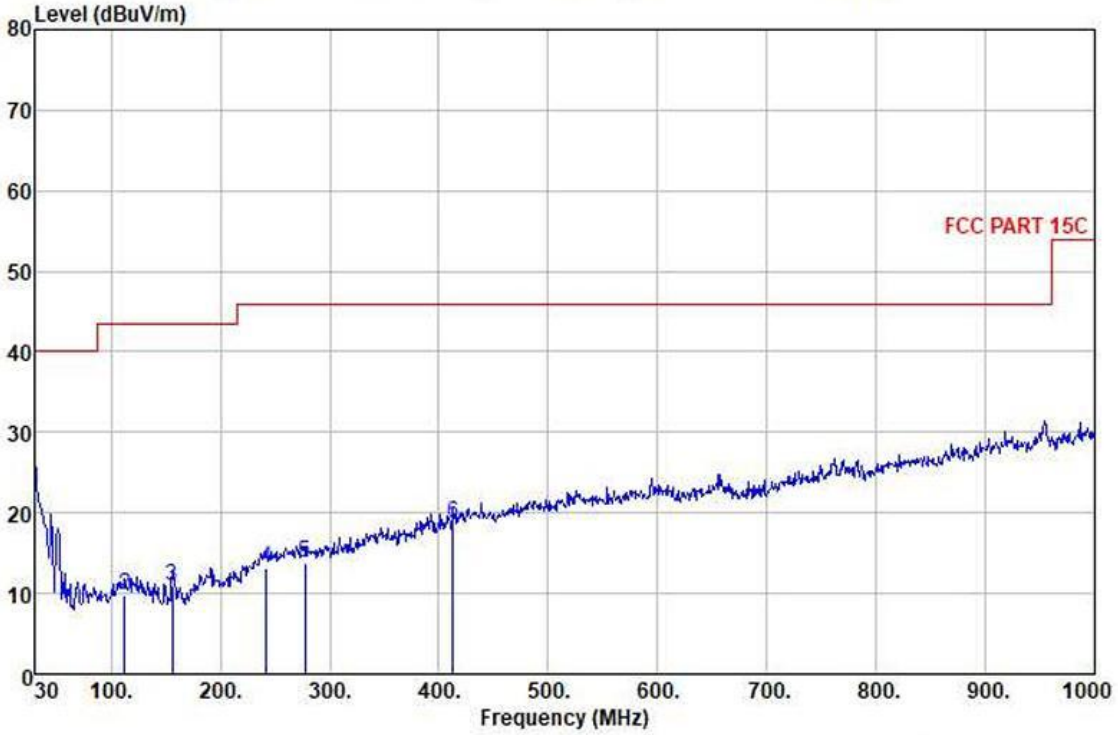
No.	Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
1	30.000	28.95	22.60	0.63	28.50	23.68	40.00	-16.32	HORIZONTAL	QP
2	156.100	30.91	8.02	1.49	28.29	12.13	43.50	-31.37	HORIZONTAL	QP
3	353.010	26.56	14.29	2.29	27.44	15.70	46.00	-30.30	HORIZONTAL	QP
4	508.210	29.32	17.01	2.80	28.73	20.40	46.00	-25.60	HORIZONTAL	QP
5	680.870	28.41	19.41	3.28	28.65	22.45	46.00	-23.55	HORIZONTAL	QP
6	773.020	27.19	20.83	3.50	27.41	24.11	46.00	-21.89	HORIZONTAL	QP

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Vertical:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

No.	Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
1	30.000	28.13	22.60	0.63	28.50	22.86	40.00	-17.14	VERTICAL	QP
2	112.450	27.35	9.83	1.25	28.57	9.86	43.50	-33.64	VERTICAL	QP
3	156.100	29.66	8.02	1.49	28.29	10.88	43.50	-32.62	VERTICAL	QP
4	242.430	25.97	12.60	1.90	27.22	13.25	46.00	-32.75	VERTICAL	QP
5	277.350	26.31	13.09	2.03	27.57	13.86	46.00	-32.14	VERTICAL	QP
6	413.150	28.71	15.77	2.50	28.15	18.83	46.00	-27.17	VERTICAL	QP

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

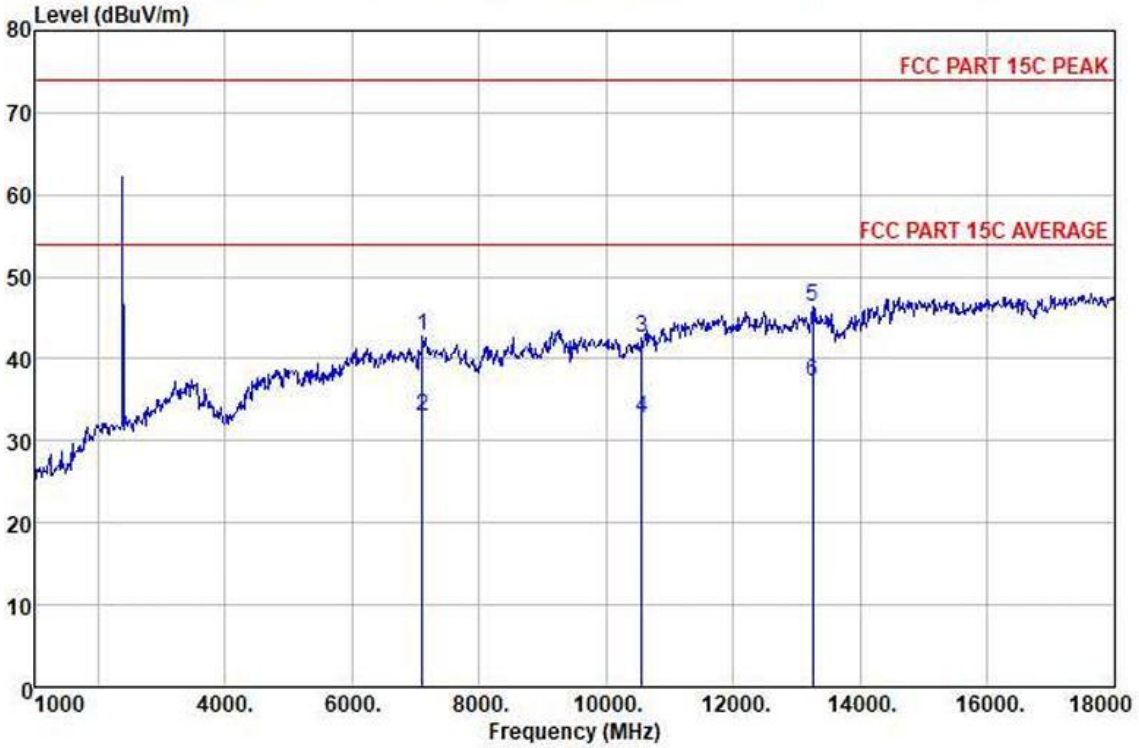
Spurious emissions above 1GHz

Test at low Channel in transmitting status

Horizontal:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7103.000	21.49	36.56	12.03	27.34	42.74	74.00	-31.26	HORIZONTAL	Peak
7103.000	11.63	36.56	12.03	27.34	32.88	74.00	-41.12	HORIZONTAL	Average
10554.000	15.93	38.66	15.13	27.07	42.65	74.00	-31.35	HORIZONTAL	Peak
10554.000	5.96	38.66	15.13	27.07	32.68	74.00	-41.32	HORIZONTAL	Average
13240.000	15.04	40.36	17.38	26.40	46.38	74.00	-27.62	HORIZONTAL	Peak
13240.000	5.97	40.36	17.38	26.40	37.31	74.00	-36.69	HORIZONTAL	Average

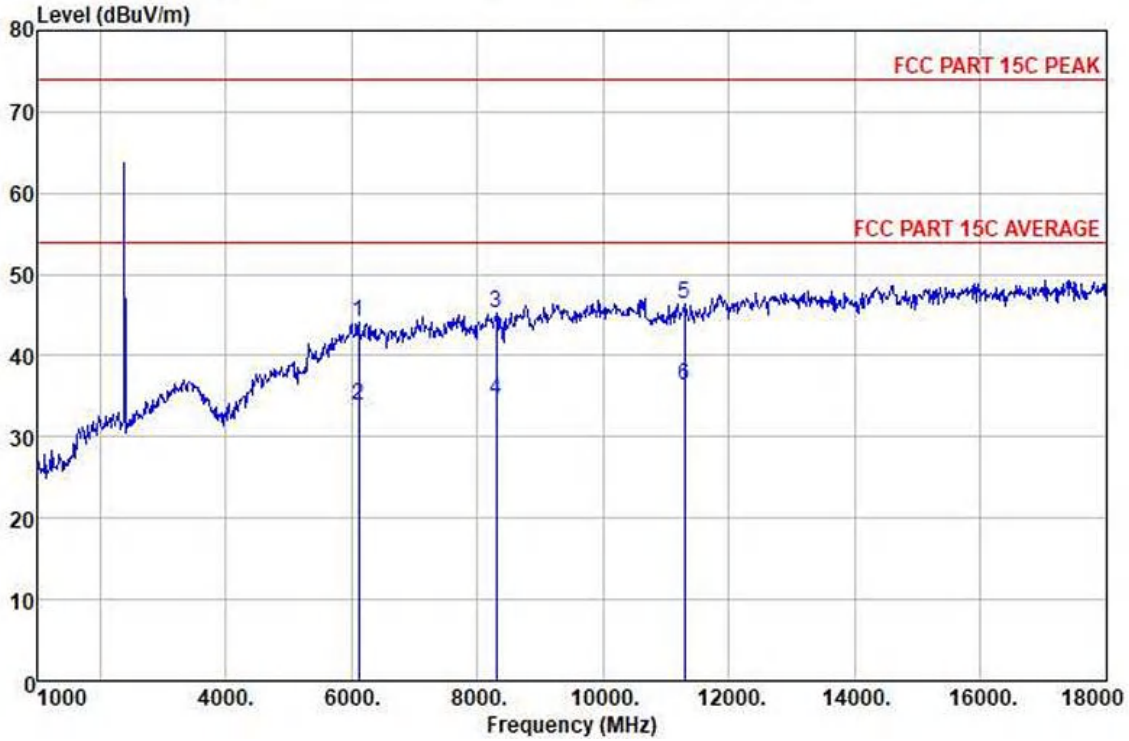
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
6117.000	24.64	35.88	11.02	27.41	44.13	74.00	-29.87	VERTICAL	Peak
6117.000	14.40	35.88	11.02	27.41	33.89	74.00	-40.11	VERTICAL	Average
8293.000	21.89	37.47	13.20	27.27	45.29	74.00	-28.71	VERTICAL	Peak
8293.000	11.24	37.47	13.20	27.27	34.64	74.00	-39.36	VERTICAL	Average
11285.000	18.15	39.43	15.79	27.00	46.37	74.00	-27.63	VERTICAL	Peak
11285.000	8.15	39.43	15.79	27.00	36.37	74.00	-37.63	VERTICAL	Average

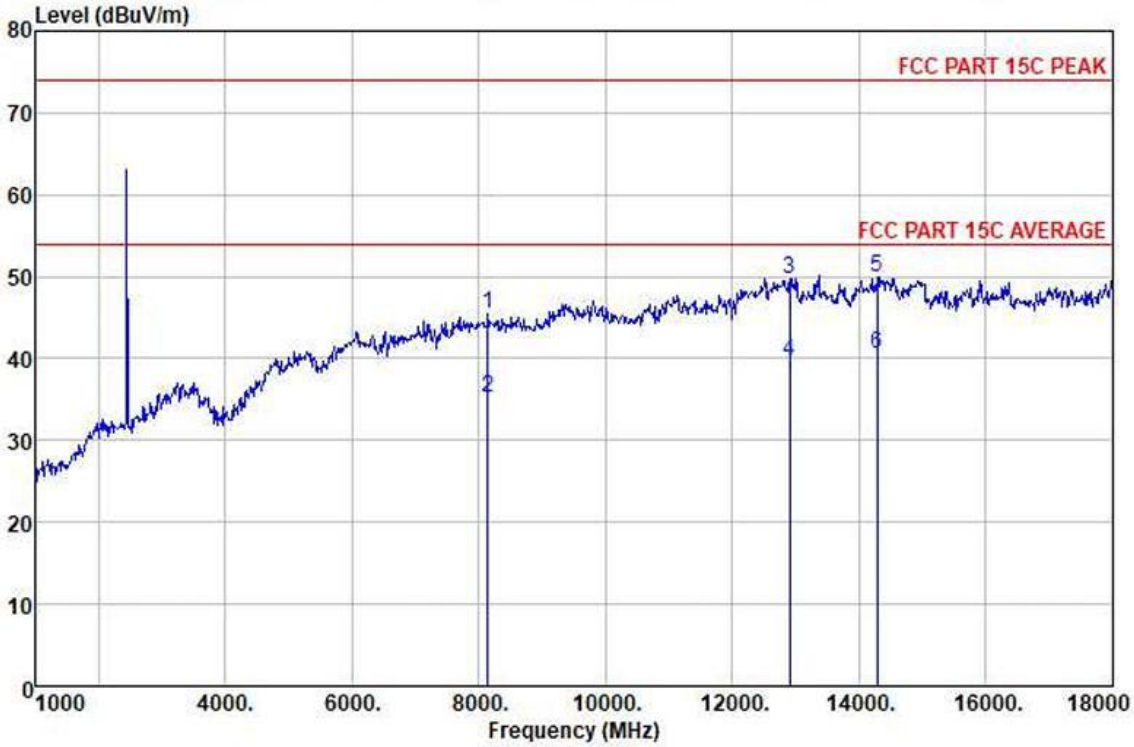
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Test at Middle Channel in transmitting status Horizontal:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
8140.000	22.51	37.22	13.05	27.29	45.49	74.00	-28.51	HORIZONTAL	Peak
8140.000	12.32	37.22	13.05	27.29	35.30	74.00	-38.70	HORIZONTAL	Average
12900.000	18.73	40.46	17.10	26.52	49.77	74.00	-24.23	HORIZONTAL	Peak
12900.000	8.69	40.46	17.10	26.52	39.73	74.00	-34.27	HORIZONTAL	Average
14277.000	18.33	39.48	18.21	26.18	49.84	74.00	-24.16	HORIZONTAL	Peak
14277.000	8.98	39.48	18.21	26.18	40.49	74.00	-33.51	HORIZONTAL	Average

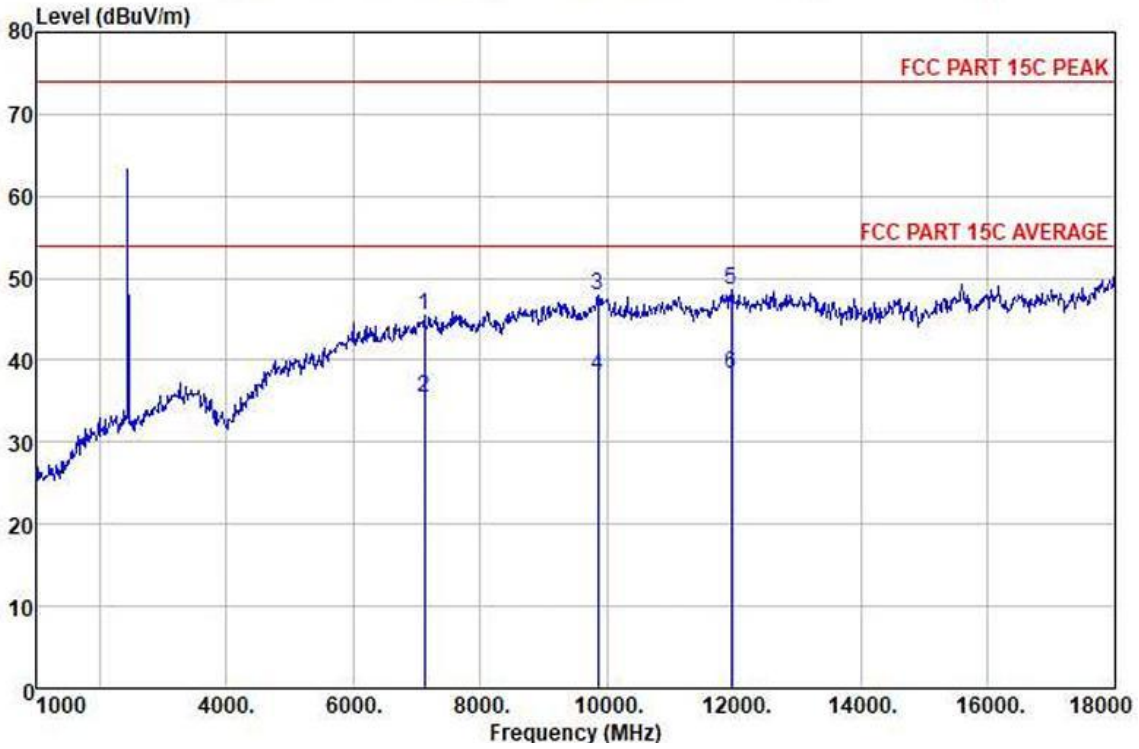
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7120.000	24.06	36.59	12.05	27.34	45.36	74.00	-28.64	VERTICAL	Peak
7120.000	14.11	36.59	12.05	27.34	35.41	74.00	-38.59	VERTICAL	Average
9857.000	21.16	38.94	14.54	27.11	47.83	74.00	-26.17	VERTICAL	Peak
9857.000	11.65	38.94	14.54	27.11	38.02	74.00	-35.98	VERTICAL	Average
11948.000	19.46	39.60	16.32	26.85	48.53	74.00	-25.47	VERTICAL	Peak
11948.000	9.21	39.60	16.32	26.85	38.28	74.00	-35.72	VERTICAL	Average

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

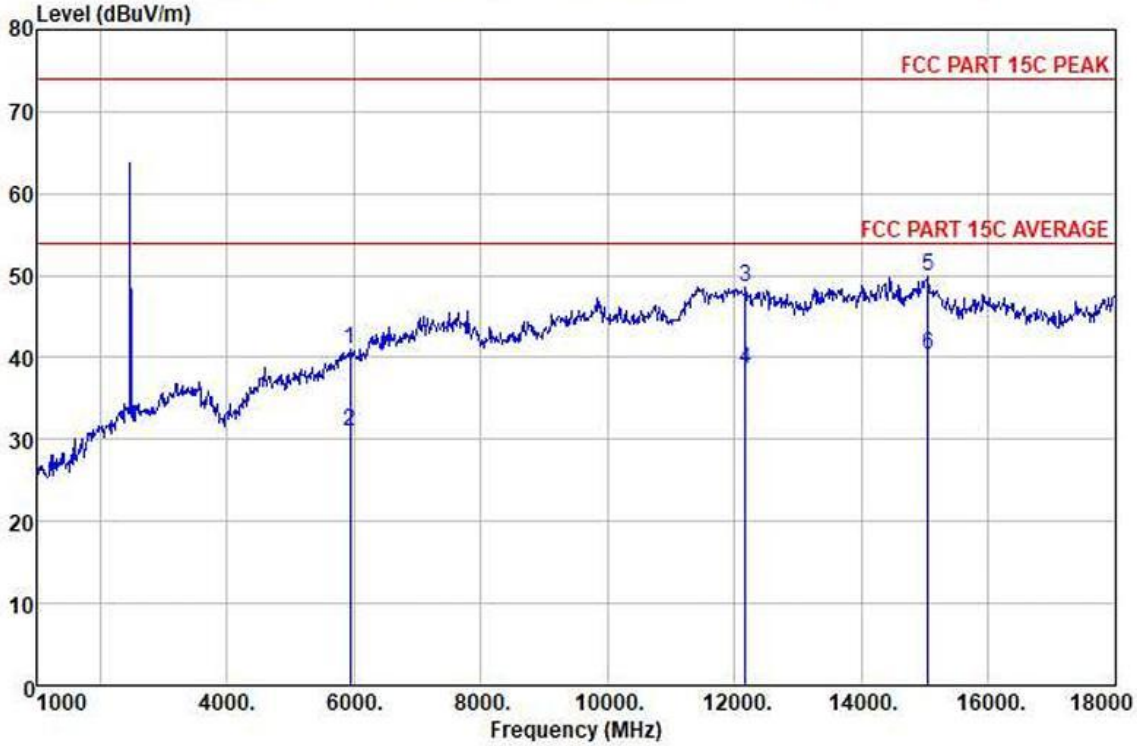
Note: The emission above limit is fundamental emission, which is not subject to the limit.

Test at high Channel in transmitting status

Horizontal:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
5947.000	21.86	35.78	10.84	27.43	41.05	74.00	-32.95	HORIZONTAL	Peak
5947.000	11.78	35.78	10.84	27.43	30.97	74.00	-43.03	HORIZONTAL	Average
12169.000	19.36	39.57	16.50	26.79	48.64	74.00	-25.36	HORIZONTAL	Peak
12169.000	9.31	39.57	16.50	26.79	38.59	74.00	-35.41	HORIZONTAL	Average
15042.000	17.26	40.04	18.76	26.06	50.00	74.00	-24.00	HORIZONTAL	Peak
15042.000	7.52	40.04	18.76	26.06	40.26	74.00	-33.74	HORIZONTAL	Average

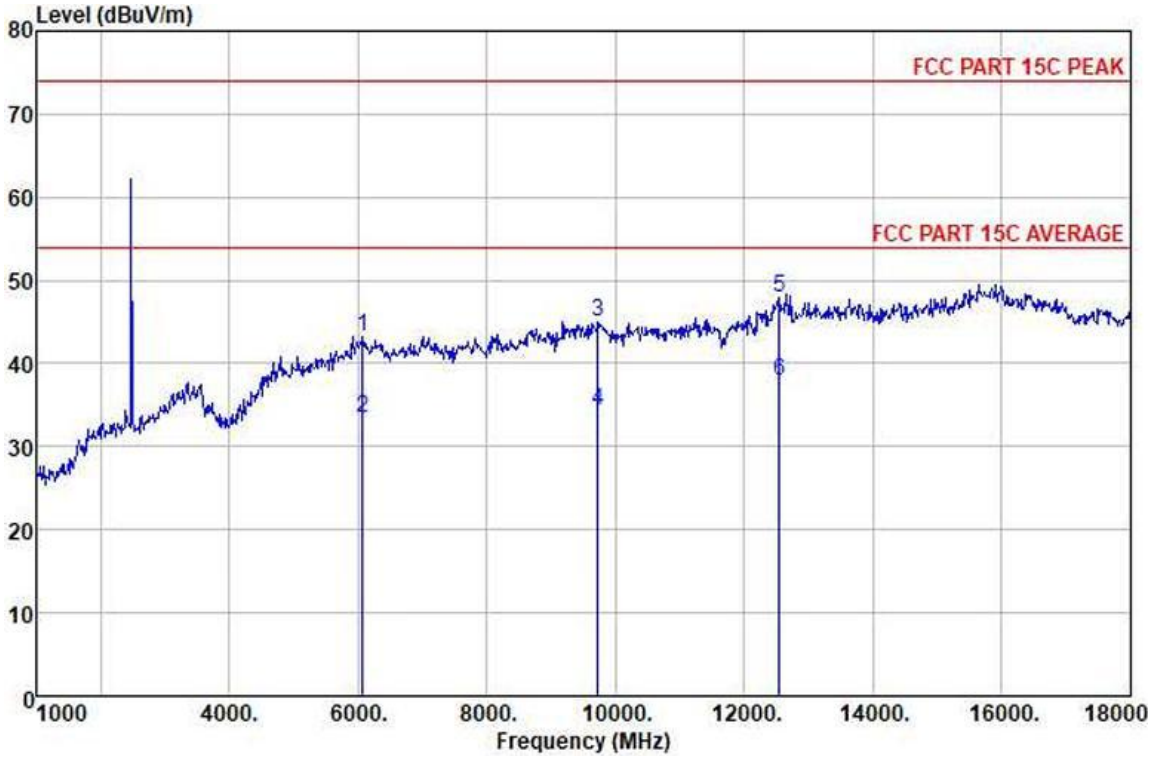
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
6066.000	23.74	35.93	10.97	27.41	43.23	74.00	-30.77	VERTICAL	Peak
6066.000	13.86	35.93	10.97	27.41	33.35	74.00	-40.65	VERTICAL	Average
9721.000	18.82	38.89	14.46	27.13	45.04	74.00	-28.96	VERTICAL	Peak
9721.000	8.17	38.89	14.46	27.13	34.39	74.00	-39.61	VERTICAL	Average
12543.000	18.19	39.60	16.81	26.66	47.94	74.00	-26.06	VERTICAL	Peak
12543.000	8.21	39.60	16.81	26.66	37.96	74.00	-36.04	VERTICAL	Average

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

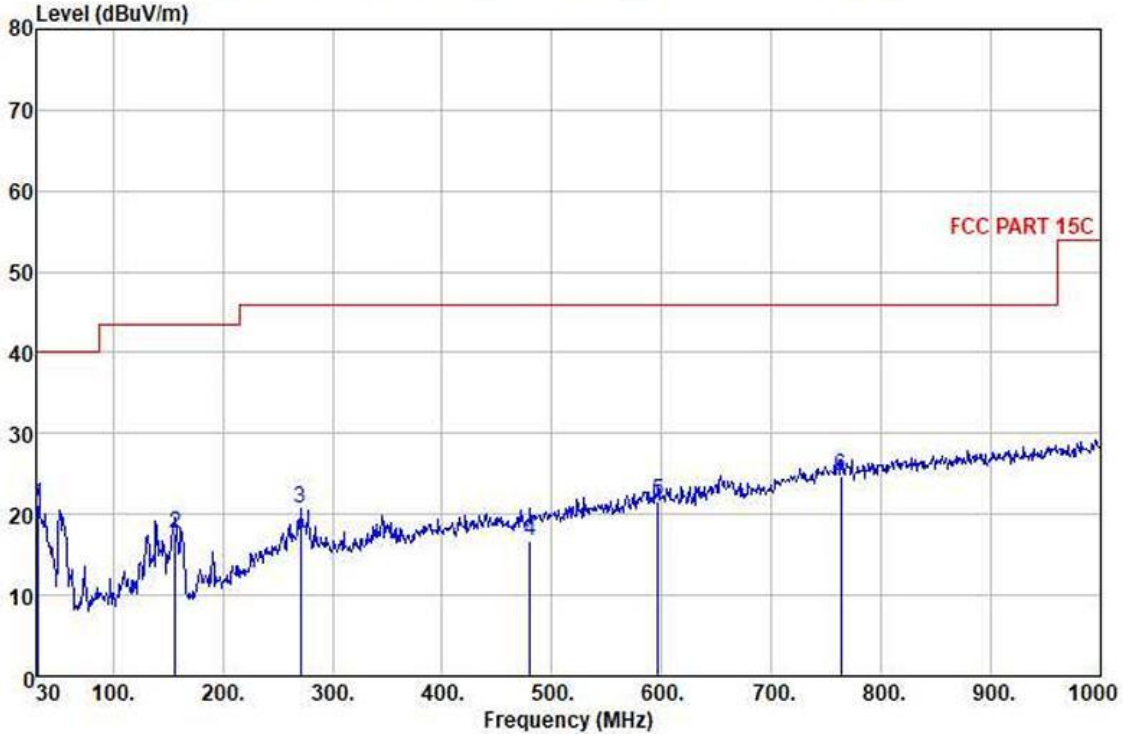
Note: The emission above limit is fundamental emission, which is not subject to the limit.

Model: LSK-JJ-004

Horizontal:

Peak scan

Level (dBµV/m)



Quasi-peak measurement

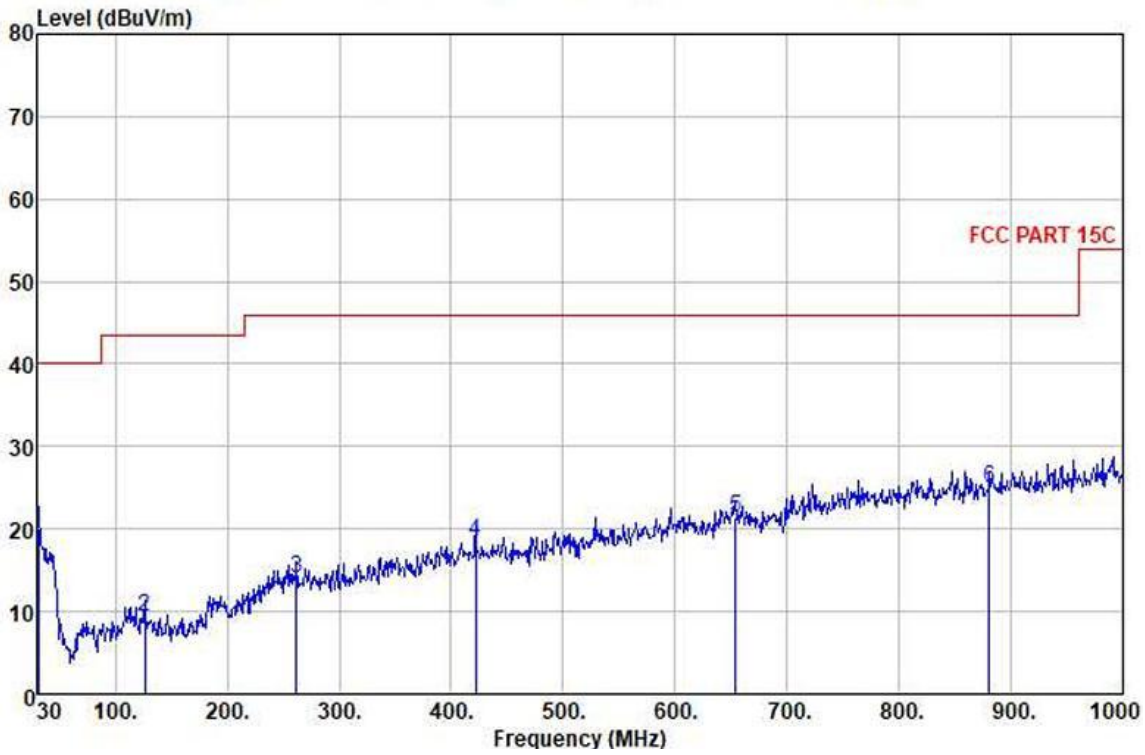
No.	Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
1	31.940	27.84	21.22	0.65	28.54	21.17	40.00	-18.83	HORIZONTAL	QP
2	157.070	36.28	8.04	1.50	28.24	17.58	43.50	-25.92	HORIZONTAL	QP
3	270.560	33.05	12.82	2.01	27.23	20.65	46.00	-25.35	HORIZONTAL	QP
4	480.080	26.11	16.30	2.72	28.48	16.65	46.00	-29.35	HORIZONTAL	QP
5	596.480	28.38	18.48	3.05	28.27	21.64	46.00	-24.36	HORIZONTAL	QP
6	763.320	28.03	20.73	3.47	27.45	24.78	46.00	-21.22	HORIZONTAL	QP

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Vertical:

Peak scan

Level (dBµV/m)



Quasi-peak measurement

No.	Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
1	30.970	26.13	21.91	0.64	28.52	20.16	40.00	-19.84	VERTICAL	QP
2	126.030	27.46	9.08	1.33	28.44	9.43	43.50	-34.07	VERTICAL	QP
3	261.830	26.59	13.05	1.98	27.53	14.09	46.00	-31.91	VERTICAL	QP
4	421.880	28.28	15.83	2.53	28.11	18.53	46.00	-27.47	VERTICAL	QP
5	653.710	27.08	19.47	3.21	28.36	21.40	46.00	-24.60	VERTICAL	QP
6	880.690	26.52	21.92	3.75	27.20	24.99	46.00	-21.01	VERTICAL	QP

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

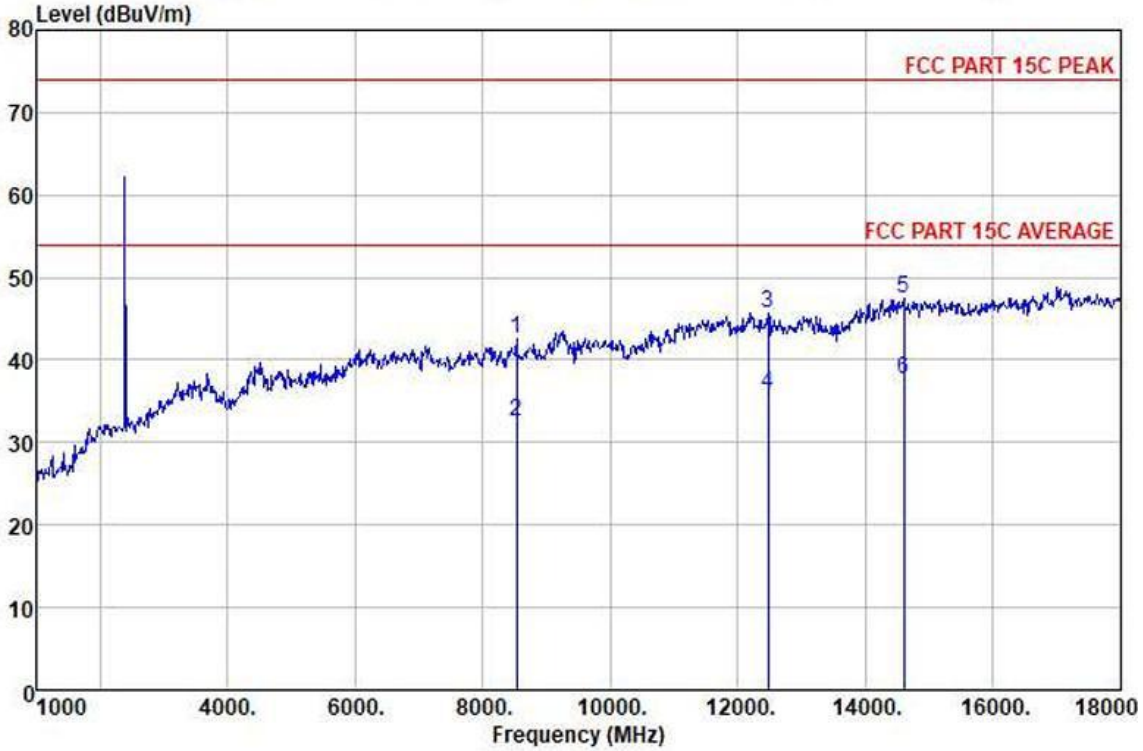
Spurious emissions above 1GHz

Test at low Channel in transmitting status

Horizontal:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
8531.000	18.56	37.86	13.43	27.25	42.60	74.00	-31.40	HORIZONTAL	Peak
8531.000	8.48	37.86	13.43	27.25	32.52	74.00	-41.48	HORIZONTAL	Average
12475.000	16.09	39.51	16.76	26.69	45.67	74.00	-28.33	HORIZONTAL	Peak
12475.000	6.30	39.51	16.76	26.69	35.88	74.00	-38.12	HORIZONTAL	Average
14600.000	15.41	39.78	18.47	26.13	47.53	74.00	-26.47	HORIZONTAL	Peak
14600.000	5.57	39.78	18.47	26.13	37.69	74.00	-36.31	HORIZONTAL	Average

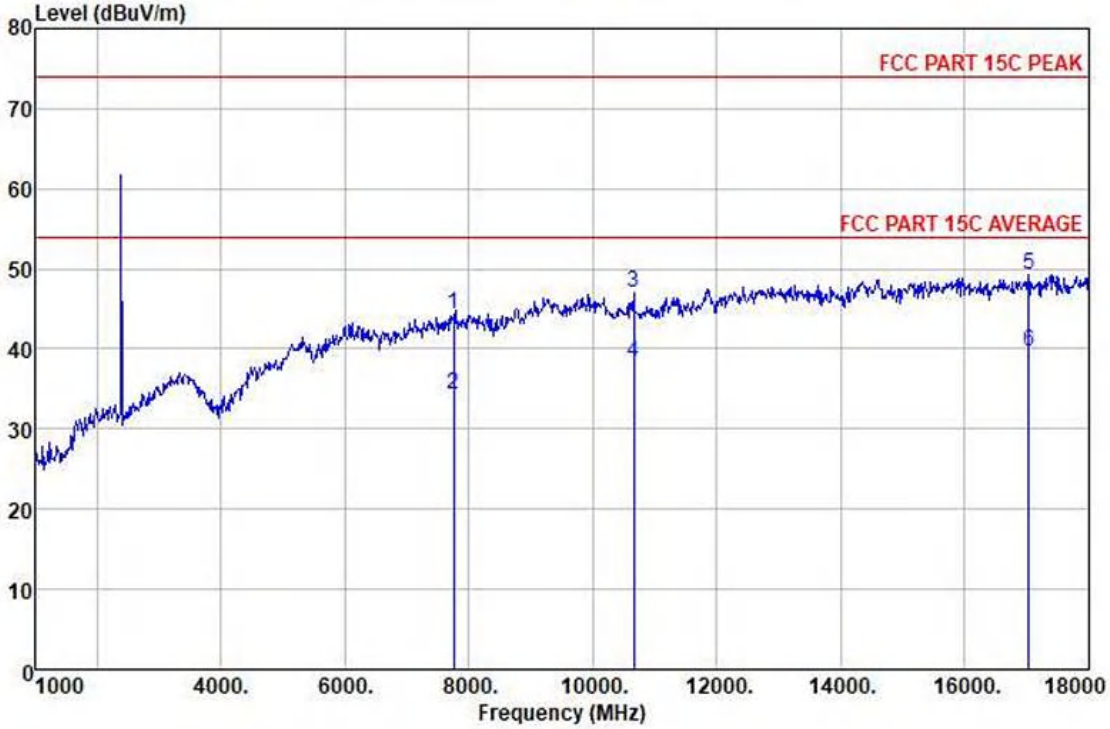
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7749.000	21.87	37.10	12.66	27.31	44.32	74.00	-29.68	VERTICAL	Peak
7749.000	11.88	37.10	12.66	27.31	34.33	74.00	-39.67	VERTICAL	Average
10656.000	20.03	38.79	15.23	27.06	46.99	74.00	-27.01	VERTICAL	Peak
10656.000	11.33	38.79	15.23	27.06	38.29	74.00	-35.71	VERTICAL	Average
17031.000	12.42	41.79	20.34	25.40	49.15	74.00	-24.85	VERTICAL	Peak
17031.000	2.85	41.79	20.34	25.40	39.58	74.00	-34.42	VERTICAL	Average

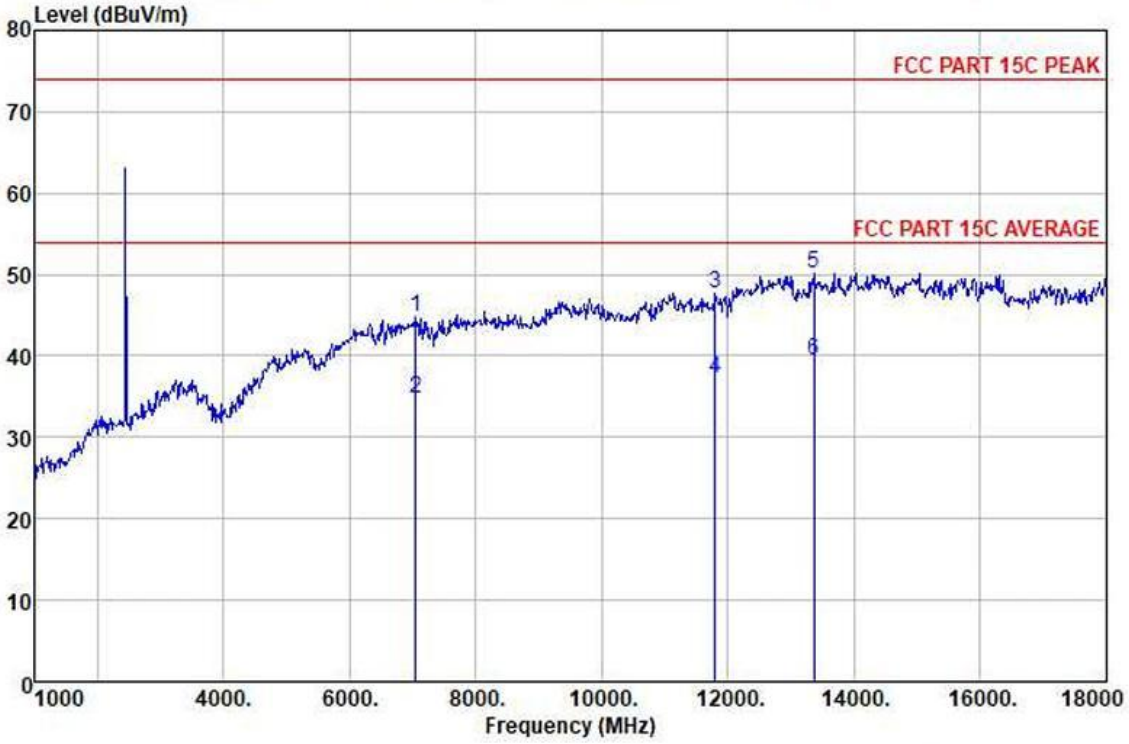
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Test at Middle Channel in transmitting status Horizontal:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7052.000	23.77	36.48	11.98	27.34	44.89	74.00	-29.11	HORIZONTAL	Peak
7052.000	13.70	36.48	11.98	27.34	34.82	74.00	-39.18	HORIZONTAL	Average
11795.000	18.74	39.60	16.19	26.89	47.64	74.00	-26.36	HORIZONTAL	Peak
11795.000	8.21	39.60	16.19	26.89	37.11	74.00	-36.89	HORIZONTAL	Average
13359.000	18.88	40.20	17.47	26.37	50.18	74.00	-23.82	HORIZONTAL	Peak
13359.000	8.13	40.20	17.47	26.37	39.43	74.00	-34.57	HORIZONTAL	Average

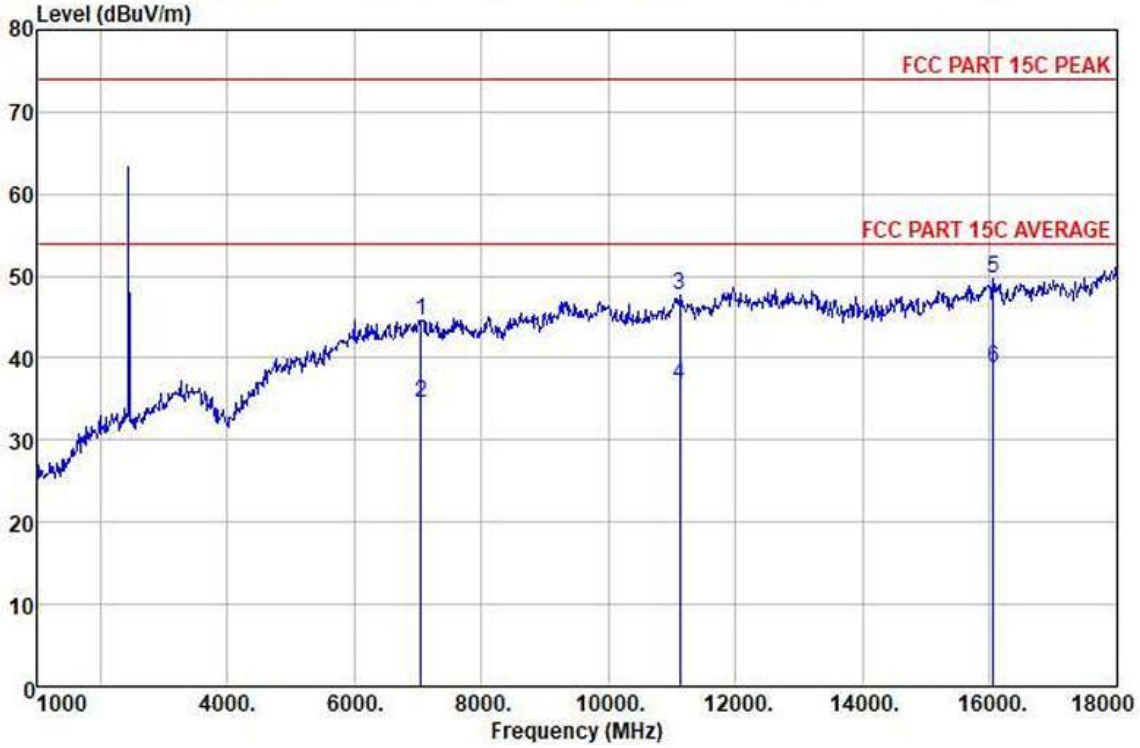
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7052.000	23.54	36.48	11.98	27.34	44.66	74.00	-29.34	VERTICAL	Peak
7052.000	13.48	36.48	11.98	27.34	34.60	74.00	-39.40	VERTICAL	Average
11115.000	19.64	39.29	15.67	27.02	47.58	74.00	-26.42	VERTICAL	Peak
11115.000	8.87	39.29	15.67	27.02	36.81	74.00	-37.19	VERTICAL	Average
16045.000	16.29	39.57	19.61	25.84	49.63	74.00	-24.37	VERTICAL	Peak
16045.000	5.36	39.57	19.61	25.84	38.70	74.00	-35.30	VERTICAL	Average

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

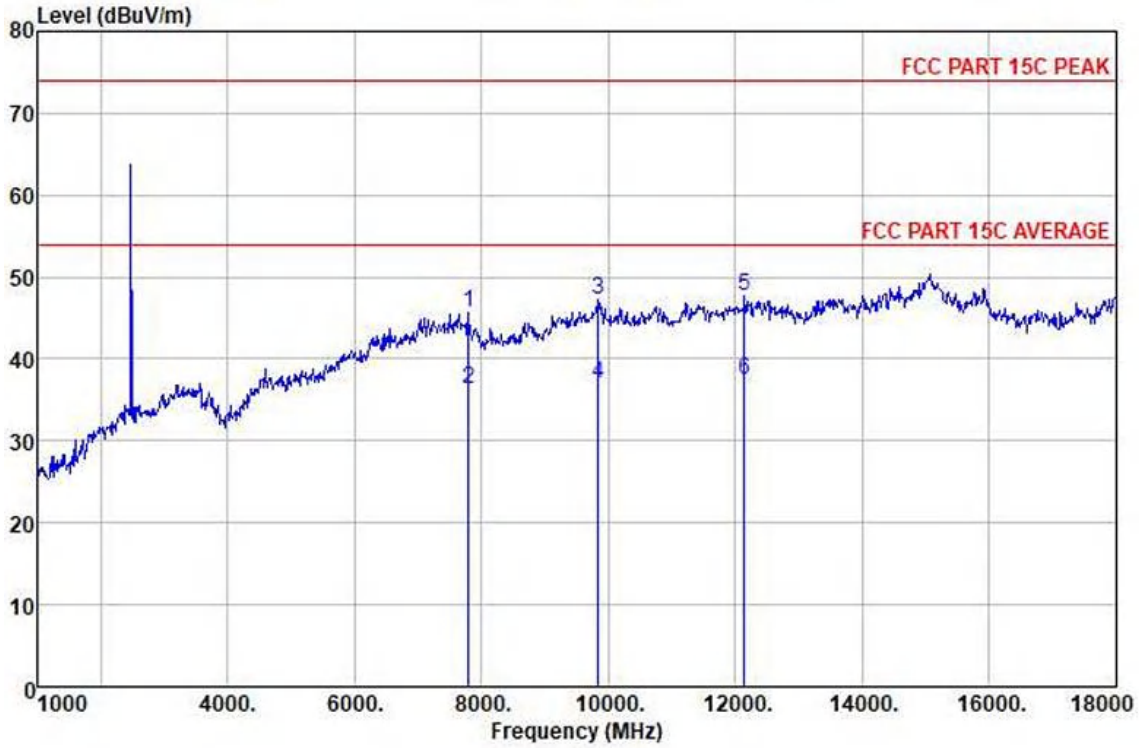
Note: The emission above limit is fundamental emission, which is not subject to the limit.

Test at high Channel in transmitting status

Horizontal:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7800.000	23.22	37.08	12.71	27.31	45.70	74.00	-28.30	HORIZONTAL	Peak
7800.000	13.81	37.08	12.71	27.31	36.29	74.00	-37.71	HORIZONTAL	Average
9840.000	20.79	38.94	14.53	27.12	47.14	74.00	-26.86	HORIZONTAL	Peak
9840.000	10.62	38.94	14.53	27.12	36.97	74.00	-37.03	HORIZONTAL	Average
12135.000	18.35	39.57	16.47	26.80	47.59	74.00	-26.41	HORIZONTAL	Peak
12135.000	8.16	39.57	16.47	26.80	37.40	74.00	-36.60	HORIZONTAL	Average

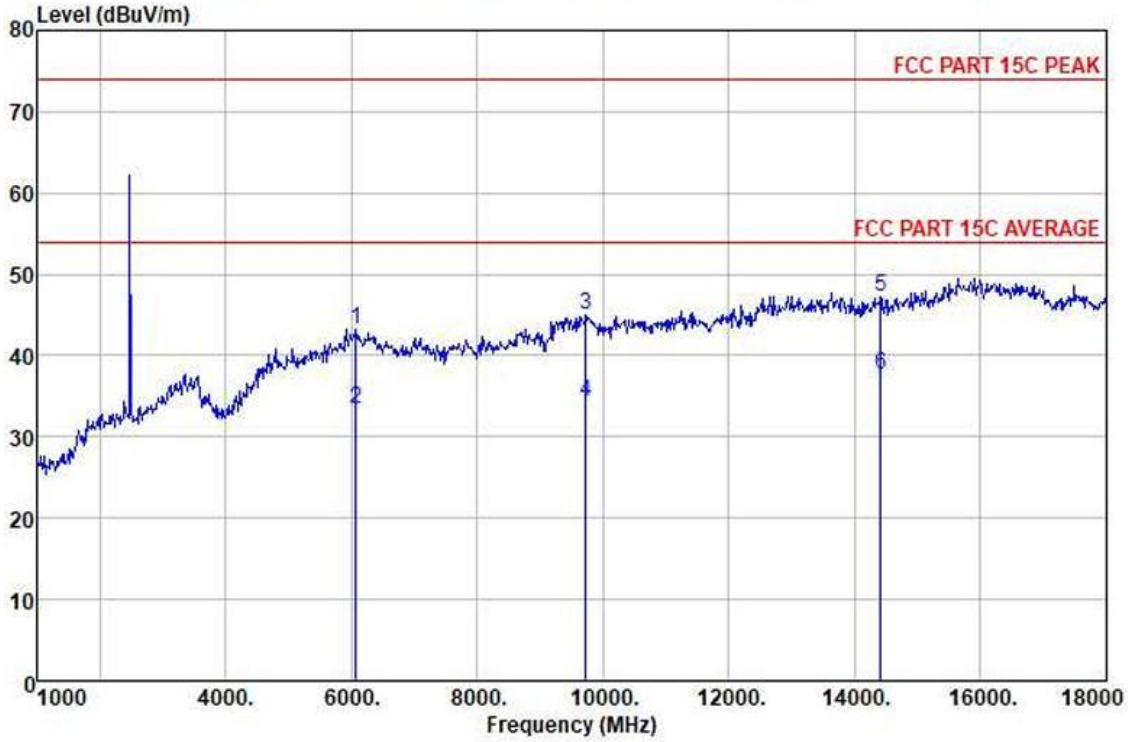
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
6066.000	23.74	35.93	10.97	27.41	43.23	74.00	-30.77	VERTICAL	Peak
6066.000	13.86	35.93	10.97	27.41	33.35	74.00	-40.65	VERTICAL	Average
9721.000	18.82	38.89	14.46	27.13	45.04	74.00	-28.96	VERTICAL	Peak
9721.000	8.17	38.89	14.46	27.13	34.39	74.00	-39.61	VERTICAL	Average
14413.000	15.42	39.61	18.33	26.16	47.20	74.00	-26.80	VERTICAL	Peak
14413.000	5.81	39.61	18.33	26.16	37.59	74.00	-36.41	VERTICAL	Average

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

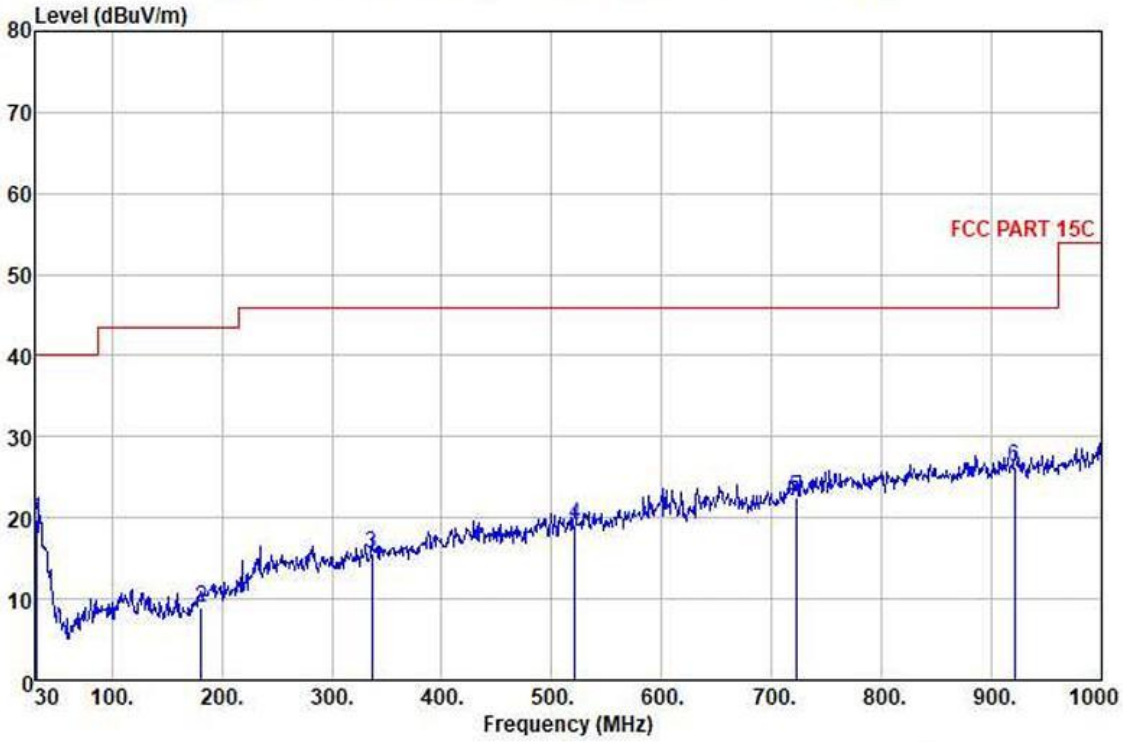
Note: The emission above limit is fundamental emission, which is not subject to the limit.

Model: LSK-JJ-005

Horizontal:

Peak scan

Level (dBµV/m)



Quasi-peak measurement

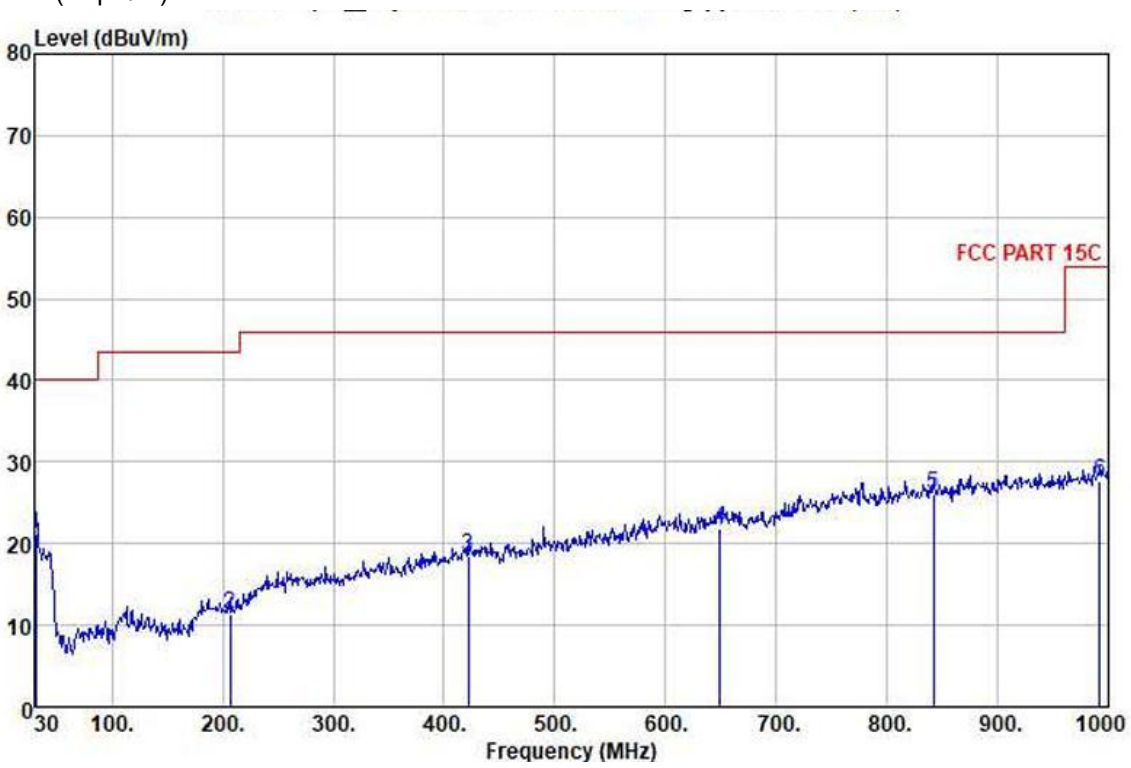
No.	Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
1	31.940	26.40	21.22	0.65	28.54	19.73	40.00	-20.27	HORIZONTAL	QP
2	181.320	25.45	9.59	1.62	27.77	8.89	43.50	-34.61	HORIZONTAL	QP
3	336.520	26.99	13.81	2.24	27.41	15.63	46.00	-30.37	HORIZONTAL	QP
4	520.820	27.71	17.31	2.83	28.63	19.22	46.00	-26.78	HORIZONTAL	QP
5	722.580	26.83	19.96	3.38	27.69	22.48	46.00	-23.52	HORIZONTAL	QP
6	920.460	27.38	22.50	3.84	27.36	26.36	46.00	-19.64	HORIZONTAL	QP

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Vertical:

Peak scan

Level (dBμV/m)



Quasi-peak measurement

No.	Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
1	30.970	27.17	21.91	0.64	28.52	21.20	40.00	-18.80	VERTICAL	QP
2	206.540	27.30	10.00	1.73	27.64	11.39	43.50	-32.11	VERTICAL	QP
3	421.880	28.28	15.83	2.53	28.11	18.53	46.00	-27.47	VERTICAL	QP
4	648.860	27.60	19.38	3.20	28.31	21.87	46.00	-24.13	VERTICAL	QP
5	841.890	28.32	21.70	3.67	27.57	26.12	46.00	-19.88	VERTICAL	QP
6	992.240	27.37	22.98	3.99	26.76	27.58	54.00	-26.42	VERTICAL	QP

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

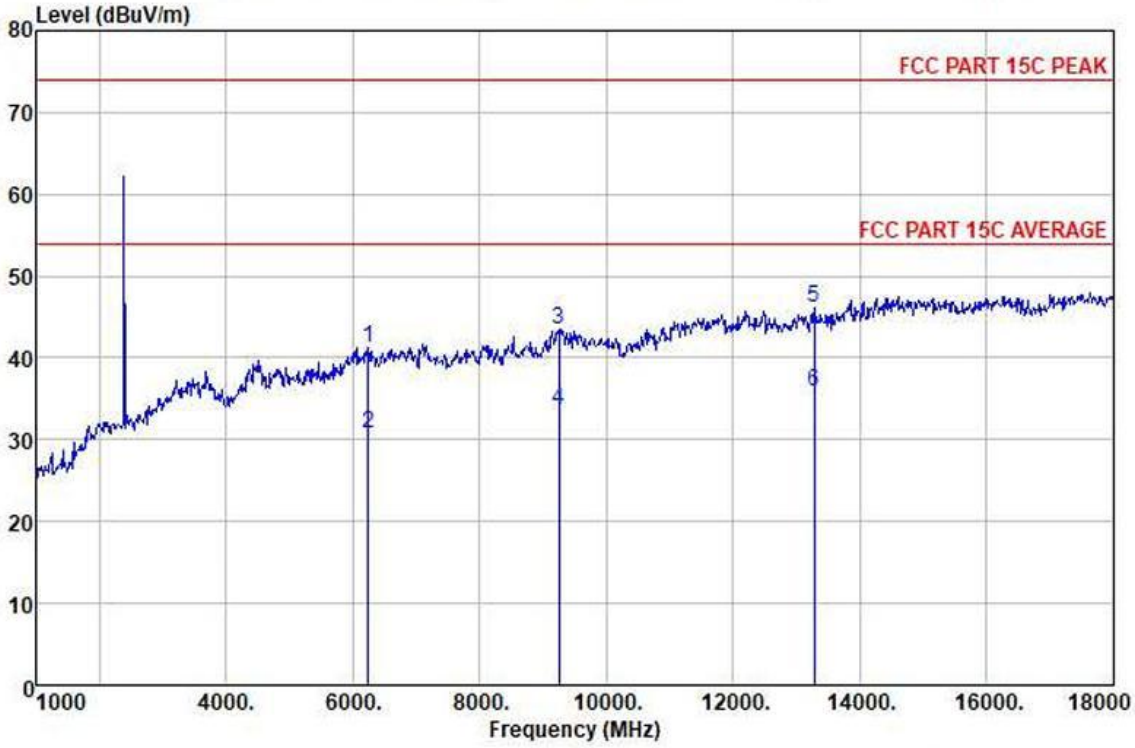
Spurious emissions above 1GHz

Test at low Channel in transmitting status

Horizontal:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
6236.000	21.67	35.76	11.15	27.40	41.18	74.00	-32.82	HORIZONTAL	Peak
6236.000	11.30	35.76	11.15	27.40	30.81	74.00	-43.19	HORIZONTAL	Average
9245.000	17.69	38.80	14.11	27.18	43.42	74.00	-30.58	HORIZONTAL	Peak
9245.000	7.81	38.80	14.11	27.18	33.54	74.00	-40.46	HORIZONTAL	Average
13274.000	14.71	40.32	17.40	26.39	46.04	74.00	-27.96	HORIZONTAL	Peak
13274.000	4.53	40.32	17.40	26.39	35.86	74.00	-38.14	HORIZONTAL	Average

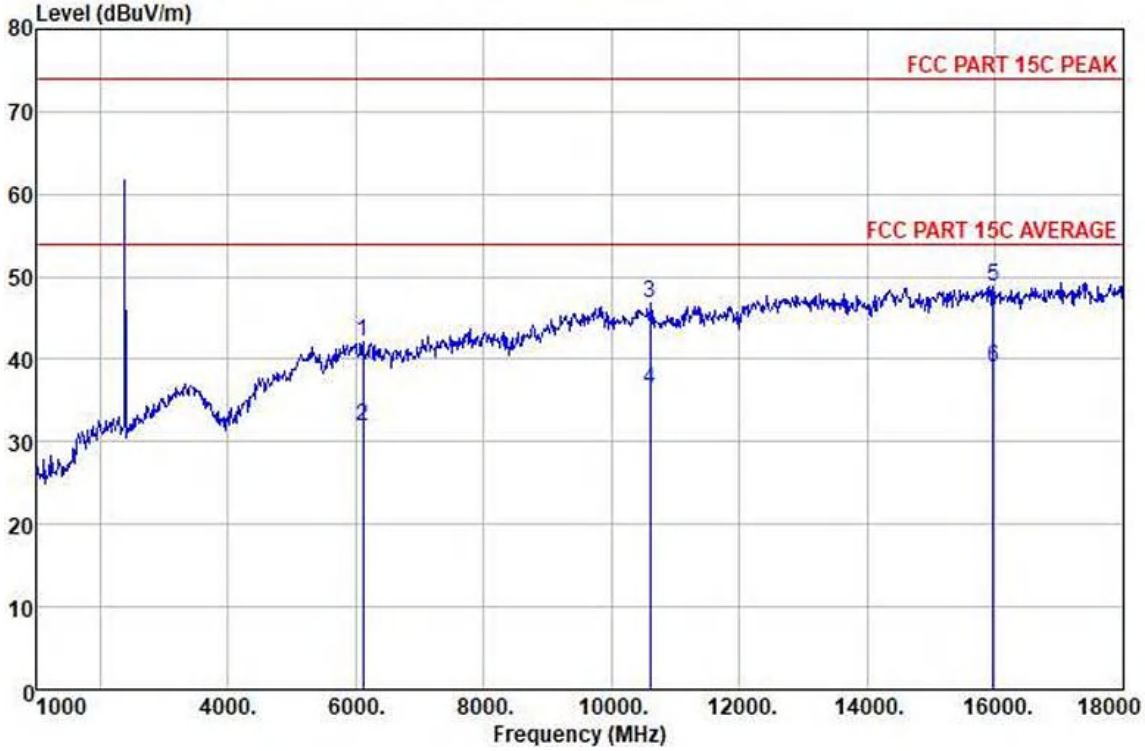
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBµV/m)



No.	Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
	---	---	---	---	---	---	---	---	---	---
	16117.000	22.64	35.88	11.02	27.41	42.13	74.00	-31.87	VERTICAL	Peak
	26117.000	12.40	35.88	11.02	27.41	31.89	74.00	-42.11	VERTICAL	Average
	10605.000	19.86	38.73	15.18	27.06	46.71	74.00	-27.29	VERTICAL	Peak
	10605.000	9.53	38.73	15.18	27.06	36.38	74.00	-37.62	VERTICAL	Average
	15960.000	15.66	39.49	19.55	25.87	48.83	74.00	-25.17	VERTICAL	Peak
	15960.000	5.84	39.49	19.55	25.87	39.01	74.00	-34.99	VERTICAL	Average

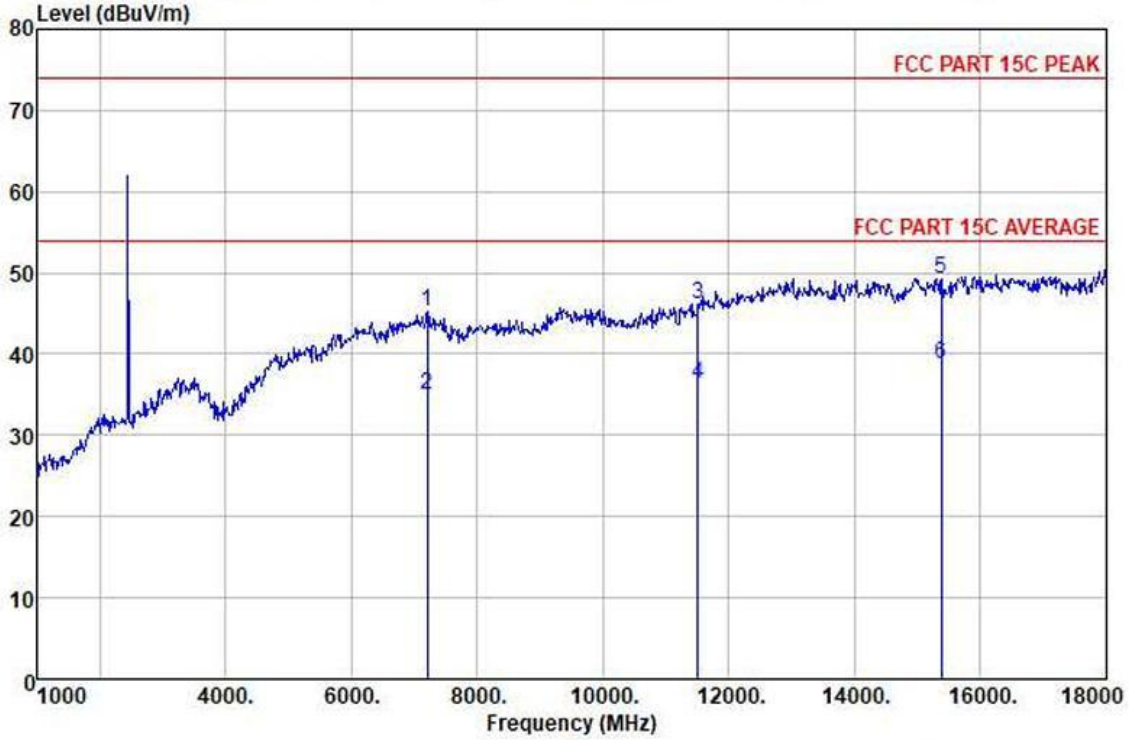
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Test at Middle Channel in transmitting status Horizontal:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
7205.000	23.64	36.73	12.13	27.33	45.17	74.00	-28.83	HORIZONTAL	Peak
7205.000	13.45	36.73	12.13	27.33	34.98	74.00	-39.02	HORIZONTAL	Average
11506.000	17.60	39.60	15.95	26.97	46.18	74.00	-27.82	HORIZONTAL	Peak
11506.000	7.71	39.60	15.95	26.97	36.29	74.00	-37.71	HORIZONTAL	Average
15382.000	16.64	39.57	19.04	26.01	49.24	74.00	-24.76	HORIZONTAL	Peak
15382.000	6.20	39.57	19.04	26.01	38.80	74.00	-35.20	HORIZONTAL	Average

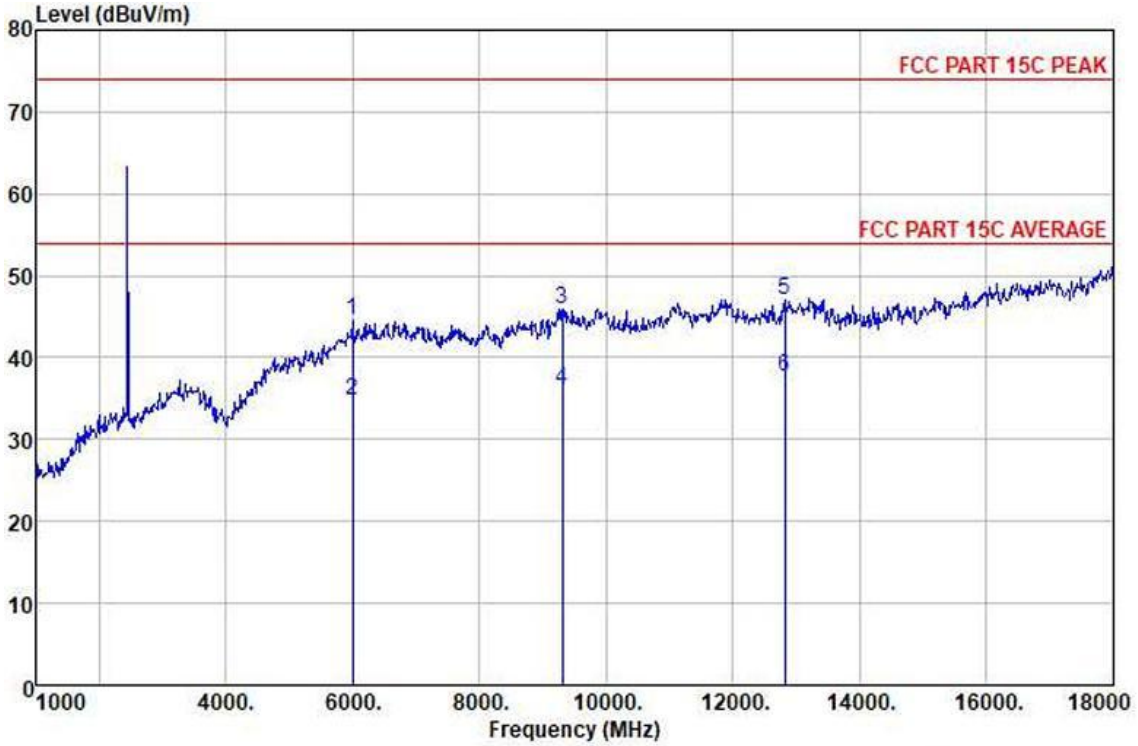
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBμV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
5998.000	25.04	35.99	10.90	27.42	44.51	74.00	-29.49	VERTICAL	Peak
5998.000	15.39	35.99	10.90	27.42	34.86	74.00	-39.14	VERTICAL	Average
9313.000	20.10	38.80	14.17	27.17	45.90	74.00	-28.10	VERTICAL	Peak
9313.000	10.32	38.80	14.17	27.17	36.12	74.00	-37.88	VERTICAL	Average
12815.000	16.18	40.26	17.03	26.55	46.92	74.00	-27.08	VERTICAL	Peak
12815.000	6.88	40.26	17.03	26.55	37.62	74.00	-36.38	VERTICAL	Average

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

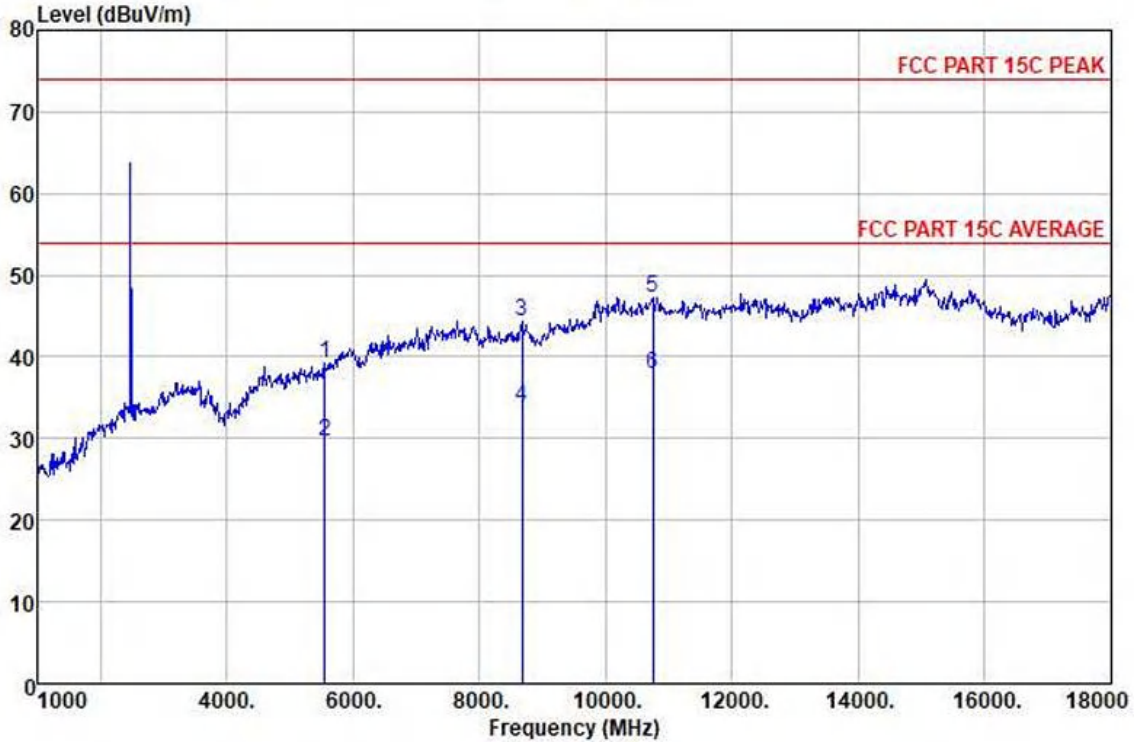
Note: The emission above limit is fundamental emission, which is not subject to the limit.

Test at high Channel in transmitting status

Horizontal:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
5556.000	22.18	34.14	10.42	27.48	39.26	74.00	-34.74	HORIZONTAL	Peak
5556.000	12.56	34.14	10.42	27.48	29.64	74.00	-44.36	HORIZONTAL	Average
8667.000	19.93	38.13	13.56	27.24	44.38	74.00	-29.62	HORIZONTAL	Peak
8667.000	9.52	38.13	13.56	27.24	33.97	74.00	-40.03	HORIZONTAL	Average
10741.000	20.13	38.89	15.32	27.05	47.29	74.00	-26.71	HORIZONTAL	Peak
10741.000	10.78	38.89	15.32	27.05	37.94	74.00	-36.06	HORIZONTAL	Average

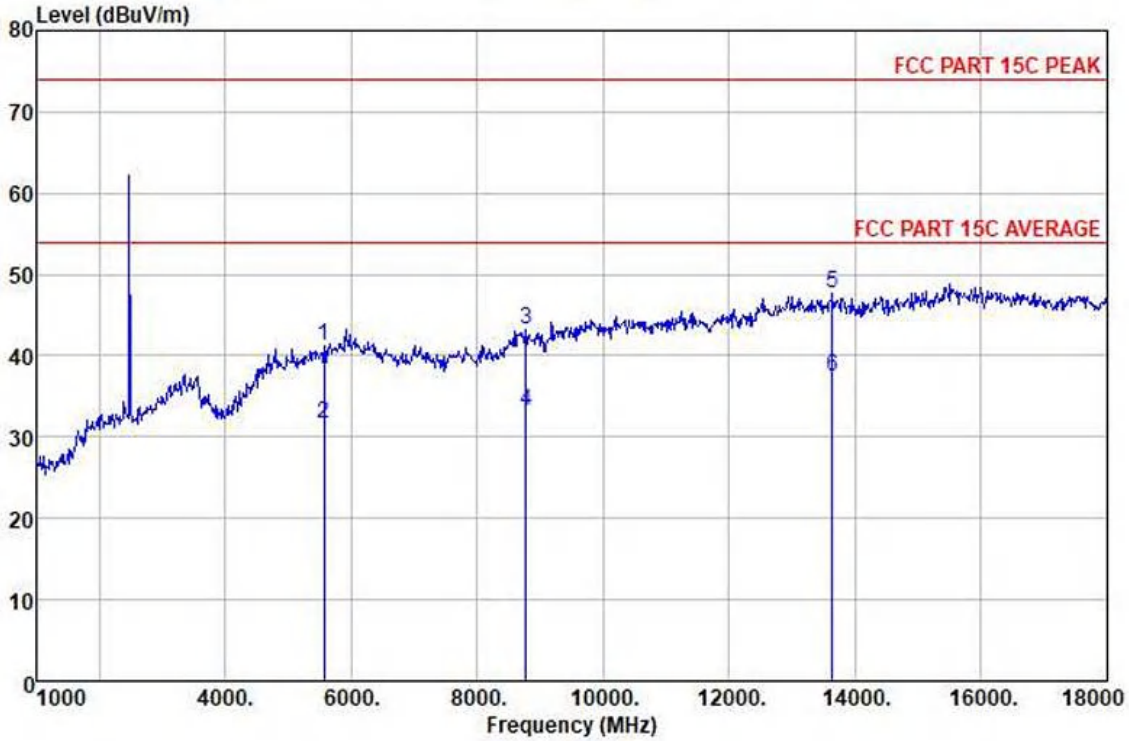
Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

Vertical:

Peak scan

Level (dBµV/m)



Freq MHz	Read Level dBuV	Antenna Factor dB	Cable Loss dB	Preamp Factor dB	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Pol/Phase	Remark
5573.000	24.13	34.21	10.44	27.48	41.30	74.00	-32.70	VERTICAL	Peak
5573.000	14.51	34.21	10.44	27.48	31.68	74.00	-42.32	VERTICAL	Average
8769.000	18.38	38.34	13.66	27.23	43.15	74.00	-30.85	VERTICAL	Peak
8769.000	8.50	38.34	13.66	27.23	33.27	74.00	-40.73	VERTICAL	Average
13631.000	16.41	39.79	17.69	26.29	47.60	74.00	-26.40	VERTICAL	Peak
13631.000	6.17	39.79	17.69	26.29	37.36	74.00	-36.64	VERTICAL	Average

Level=Read Level + Antenna Factor + Cable Loss - Preamp Factor

Note: The emission above limit is fundamental emission, which is not subject to the limit.

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.

No any other emissions level which are attenuated less than 20dB below the limit.

According to 15.31(o), the amplitude of spurious emissions from intentional radiators and emissions from unintentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this Part.

Hence there no other emissions have been reported.

Remark:

1) .For this intentional radiator operates below 25 GHz. The spectrum shall be investigated to the tenth harmonics of the highest fundamental frequency. And above the third harmonic of this intentional radiator, the disturbance is very low. So the test result only displays to 3rd harmonic.
2). As shown in Section, for frequencies above 1000 MHz. the above 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.
3). The test only perform the EUT in transmitting status since the test frequencies were over 1GHz only required transmitting status.

Test result: The unit does meet the FCC requirements.

5.8 Radiated Emissions which fall in the restricted bands

Test Requirement:	FCC Part 15 C section 15.247 (d) In addition, radiated emissions which fall in the restricted bands, as defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).
Test Method:	ANSI C63.10:2013
Test Status:	Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, channels and antenna ports (if EUT with antenna diversity architecture). Following channel(s) was (were) selected for the final test as listed below.
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)
Limit:	40.0 dBμV/m between 30MHz & 88MHz; 43.5 dBμV/m between 88MHz & 216MHz; 46.0 dBμV/m between 216MHz & 960MHz; 54.0 dBμV/m above 960MHz.
Detector:	For PK value: RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz VBW ≥ RBW Sweep = auto Detector function = peak Trace = max hold For AV value: RBW = 1 MHz for f ≥ 1 GHz, 100 kHz for f < 1 GHz VBW =10Hz Sweep = auto Detector function = peak Trace = max hold

Section 15.205 Restricted bands of operation.

(a) Except as shown in paragraph (d) of this section. Only spurious 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 -	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.52525	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.7 - 156.9	3260 - 3267	23.6 - 24.0
12.29 - 12.293	162.0125 - 167.17	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	167.72 - 173.2	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	240 - 285	3600 - 4400	
13.36 - 13.41	322 - 335.4		

Test Result:

Frequency (MHz)	Reading Level (dBμV/m)	Correct (dB/m)	Emission Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Antenna polarization	Detector
Low Channel							
2310.000	32.29	6.54	33.15	74.00	-40.85	H	PK
2310.000	26.89	6.54	27.19	54.00	-26.81	H	AV
2390.000	34.19	6.61	37.83	74.00	-36.17	V	PK
2390.000	26.19	6.61	27.19	54.00	-26.81	V	AV
High Channel							
2483.500	32.87	6.70	34.12	74.00	-39.88	H	PK
2483.500	26.34	6.70	28.92	54.00	-25.08	H	AV
2500.000	37.63	6.72	38.13	74.00	-35.87	V	PK
2500.000	35.19	6.72	36.94	54.00	-17.06	V	AV

Remark: No any other emission which falls in restricted bands can be detected and be reported.

Test result: The unit does meet the FCC requirements.

5.9 Band Edges Requirement

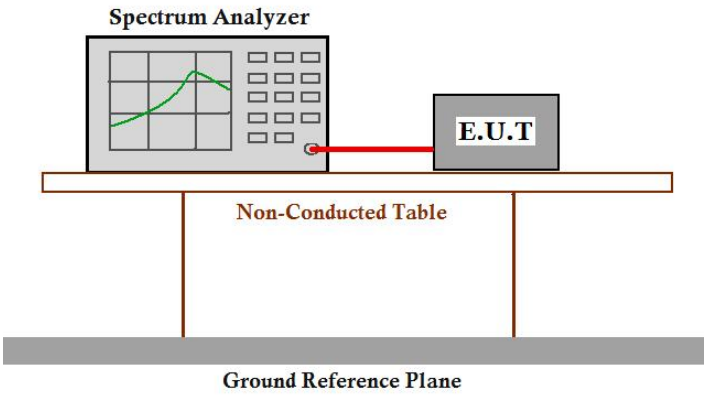
Test Requirement: FCC Part 15 C section 15.247
(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating. The radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Based on either an RF conducted or a radiated measurement. Provided the transmitter demonstrates compliance with the peak conducted power limits.

Frequency Band: 2400 MHz to 2483.5 MHz

Test Method: ANSI C63.10:2013

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

Test Configuration:

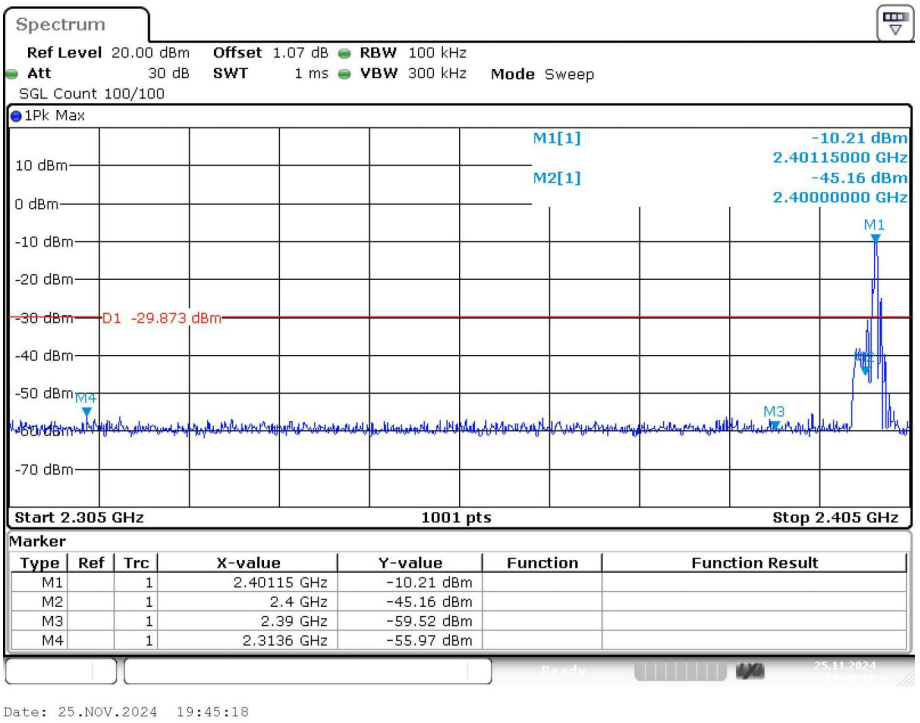


Test Procedure:

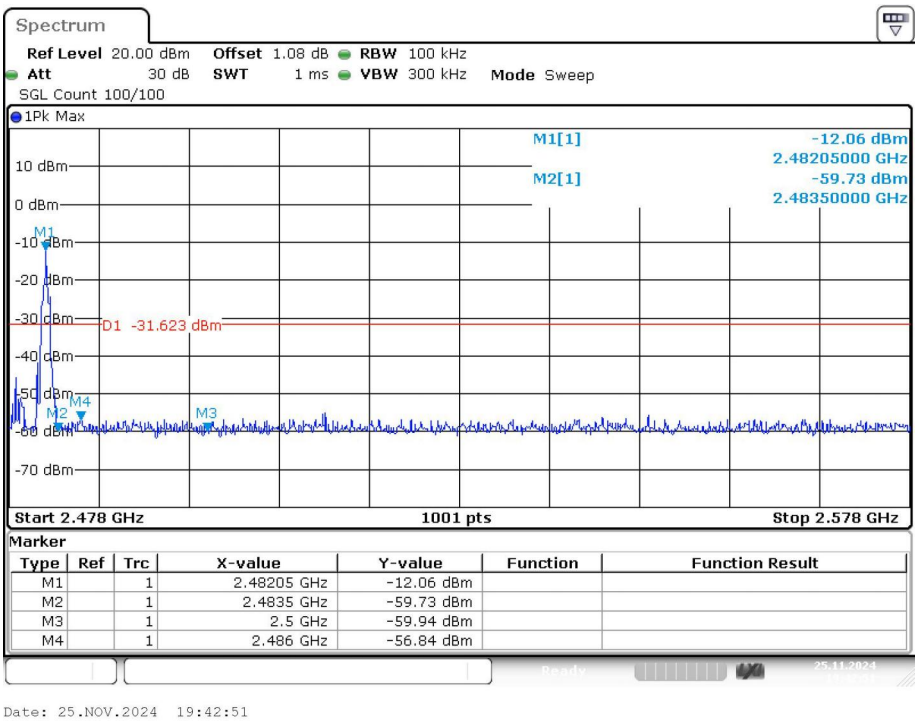
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum analyzer or power meter.
2. Set RBW=100 kHz, VBW=300 KHz, suitable frequency span including 1000 kHz bandwidth from band edge.
3. Measure the Conducted Spurious Emissions and Radiated Emissions of the test frequency with special test status.
4. Repeat until all the test status is investigated.
5. Report the worse.

Test result with plots as follows:
The band edges was measured and recorded Result:
The Lower Edges attenuated more than 20dB.
The Upper Edges attenuated more than 20dB.

Frequency (MHz)	Max Value (dBc)	Limit (dBc)	Verdict
2401	-46.09	-20	Pass
2482	-45.22	-20	Pass



Band Edge 2401MHz Emission



Band Edge 2482MHz Emission

Note: This line in the plots is a reference line for the 20dB down limit, not the limit.

Test result: The unit does meet the FCC requirements.

5.10 Conducted Emissions at Mains Terminals 150 kHz to 30MHz

Test Requirement: FCC Part 15 C section 15.207

Test Voltage: 120V~ 60Hz

Test Method: ANSI C63.10:2013 Clause 6.2

Frequency Range: 150 kHz to 30 MHz

Detector: Peak for pre-scan (9 kHz Resolution Bandwidth)

Test Limit

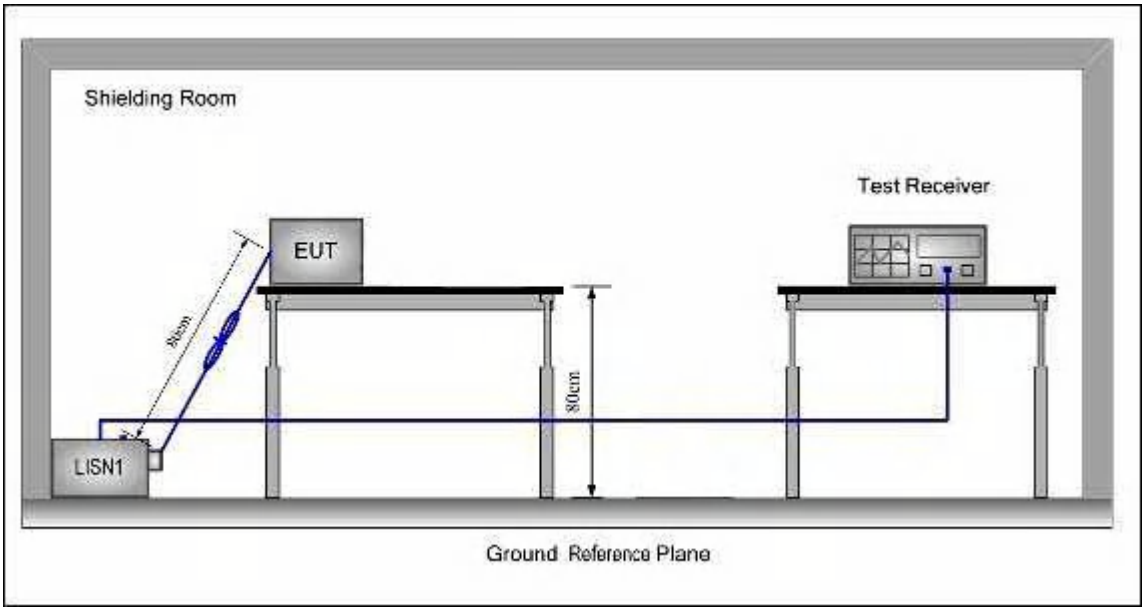
Limits for conducted disturbance at the mains ports of class B

Frequency Range	Class B Limit dB(μV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56	56 to 46
0.50 to 5	56	46
5 to 30	60	50
NOTE 1 The limit decreases linearly with the logarithm of the frequency in the range 0,15 MHz to 0,50 MHz.		

EUT Operation: Test in normal operating mode. For intentional radiators, measurements of the variation of the input power or the radiated signal level of the fundamental frequency component of the emission, as appropriate, shall be performed with the supply voltage varied between 85% and 115% of the nominal rated supply voltage.

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, channels and antenna ports (if EUT with antenna diversity architecture).

Test Configuration:



Test procedure:

1. The mains terminal disturbance voltage test was conducted in a shielded room.

2. The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.

3. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.

4. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0,4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0,8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0,8 m from the LISN 2.

5.10.1 Measurement Data

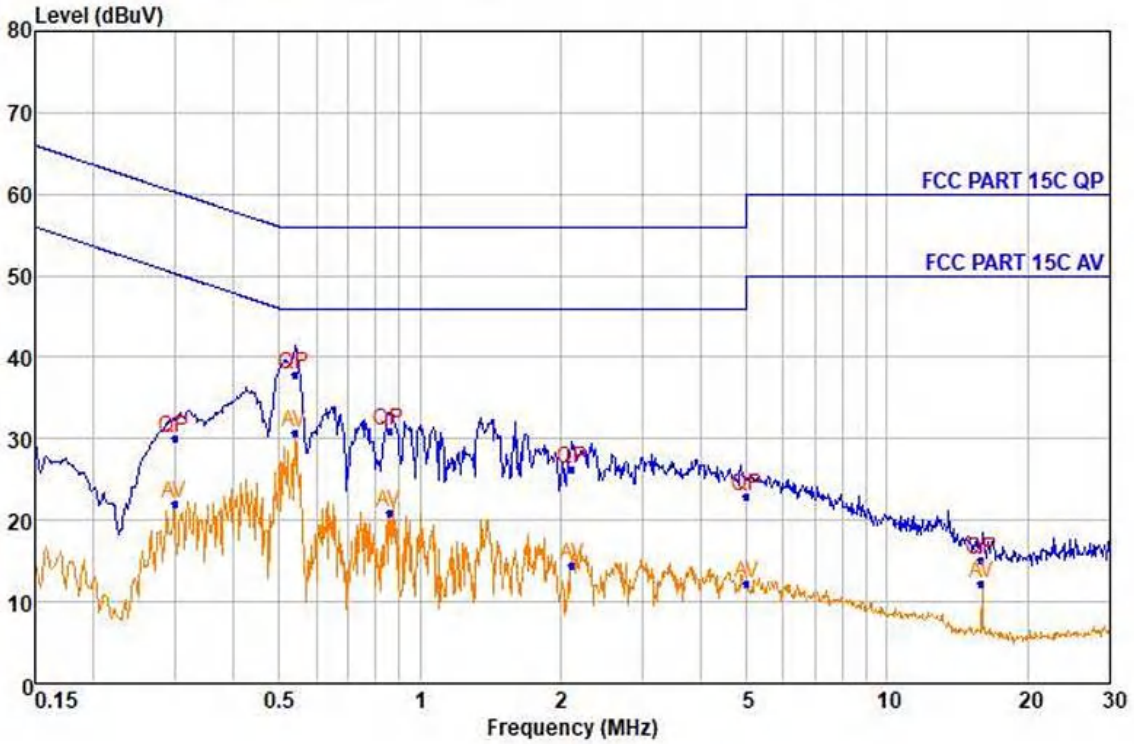
An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected. For EUT the communicating was worst case mode.

The following Quasi-Peak and Average measurements were performed on the EUT
Model: LSK-JJ-002
Live Line

Peak Scan:

Level (dBµV)



Quasi-peak and Average measurement

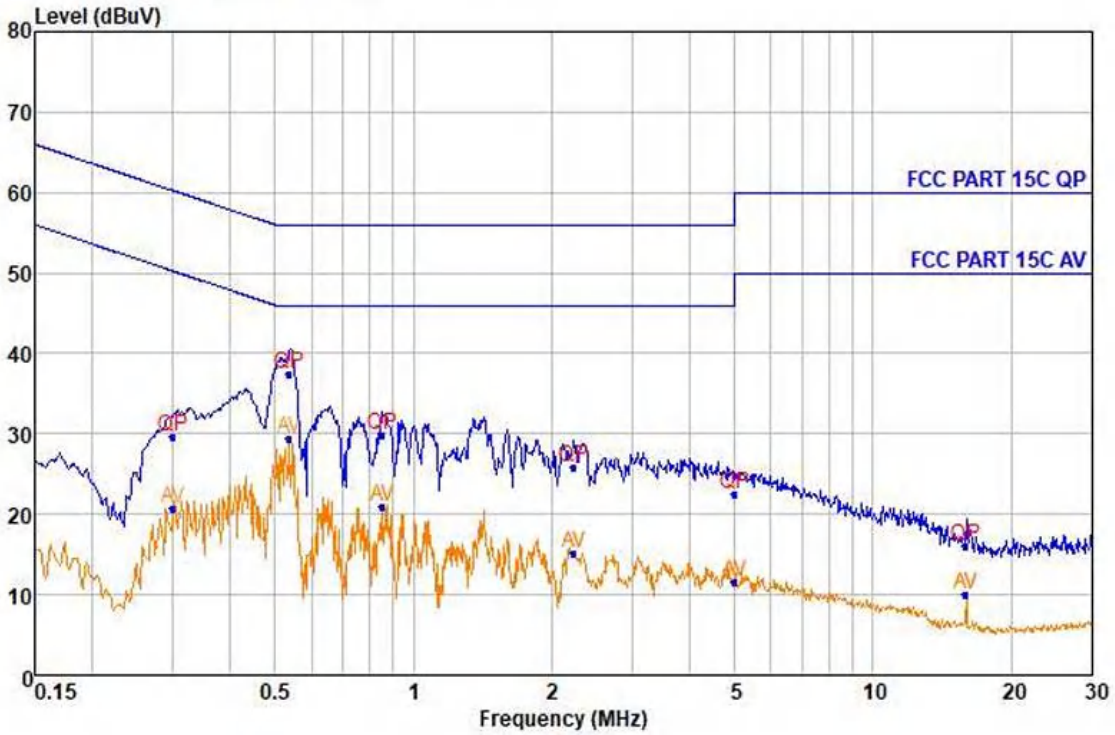
NO.	Freq MHz	Level dBuV	Remark	LISN Factor dB	Cable Loss dB	Limit Line dBuV	Margin dB
1	0.299	30.10	QP	9.67	0.24	60.28	-30.18
2	0.299	22.04	Average	9.67	0.24	50.28	-28.24
3	0.539	37.91	QP	9.66	0.27	56.00	-18.09
4	0.539	30.68	Average	9.66	0.27	46.00	-15.32
5	0.860	30.91	QP	9.69	0.30	56.00	-25.09
6	0.860	21.00	Average	9.69	0.30	46.00	-25.00
7	2.117	26.27	QP	9.65	0.35	56.00	-29.73
8	2.117	14.47	Average	9.65	0.35	46.00	-31.53
9	5.000	22.88	QP	9.60	0.40	56.00	-33.12
10	5.000	12.36	Average	9.60	0.40	46.00	-33.64
11	15.932	15.20	QP	9.70	0.46	60.00	-44.80
12	15.932	12.21	Average	9.70	0.46	50.00	-37.79

Level=Read Level + LISN Factor + Cable Loss

Neutral Line:

Peak Scan:

Level (dB μ V)

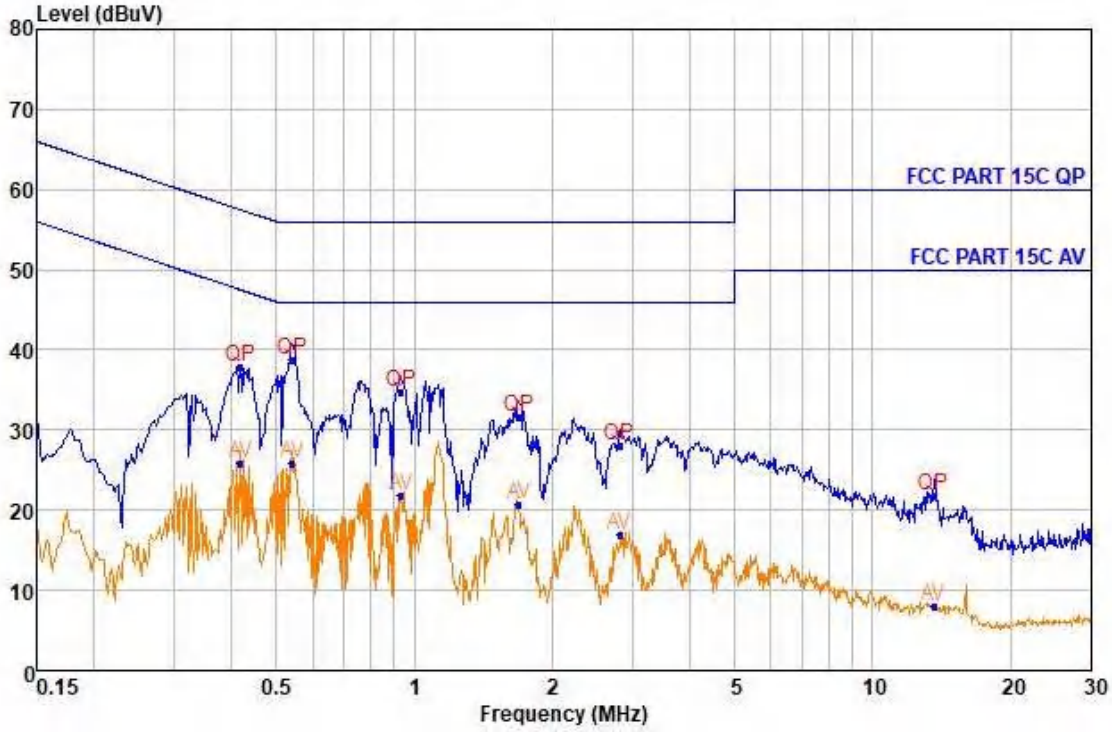


Quasi-peak and Average measurement

NO.	Freq MHz	Level dBuV	Remark	LISN Factor dB	Cable Loss dB	Limit Line dBuV	Margin dB
1	0.300	29.70	QP	9.65	0.24	60.24	-30.54
2	0.300	20.75	Average	9.65	0.24	50.24	-29.49
3	0.538	37.47	QP	9.66	0.27	56.00	-18.53
4	0.538	29.38	Average	9.66	0.27	46.00	-16.62
5	0.855	29.90	QP	9.63	0.30	56.00	-26.10
6	0.855	20.87	Average	9.63	0.30	46.00	-25.13
7	2.232	25.81	QP	9.62	0.35	56.00	-30.19
8	2.232	15.20	Average	9.62	0.35	46.00	-30.80
9	5.000	22.54	QP	9.62	0.40	56.00	-33.46
10	5.000	11.56	Average	9.62	0.40	46.00	-34.44
11	15.932	15.98	QP	9.63	0.46	60.00	-44.02
12	15.932	10.05	Average	9.63	0.46	50.00	-39.95

Level=Read Level + LISN Factor + Cable Loss

Model: LSK-JJ-003
Live Line
Peak Scan:
Level (dBμV)



Quasi-peak and Average measurement

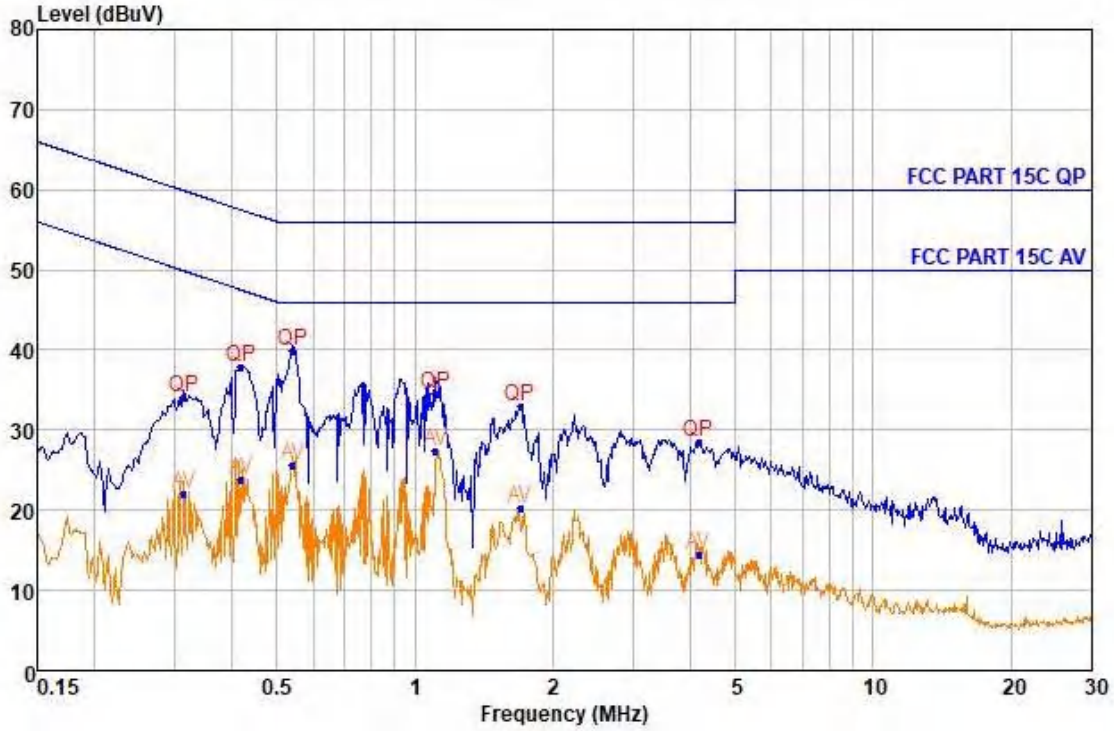
NO.	Freq MHz	Level dBuV	Remark	LISN Factor dB	Cable Loss dB	Limit Line dBuV	Margin dB
1	0.417	37.85	QP	9.66	0.26	57.51	-19.66
2	0.417	25.85	Average	9.66	0.26	47.51	-21.66
3	0.541	38.77	QP	9.66	0.27	56.00	-17.23
4	0.541	25.77	Average	9.66	0.27	46.00	-20.23
5	0.938	34.79	QP	9.68	0.30	56.00	-21.21
6	0.938	21.79	Average	9.68	0.30	46.00	-24.21
7	1.689	31.71	QP	9.65	0.34	56.00	-24.29
8	1.689	20.71	Average	9.65	0.34	46.00	-25.29
9	2.809	27.99	QP	9.63	0.37	56.00	-28.01
10	2.809	16.99	Average	9.63	0.37	46.00	-29.01
11	13.623	21.93	QP	9.70	0.46	60.00	-38.07
12	13.623	7.93	Average	9.70	0.46	50.00	-42.07

Level=Read Level + LISN Factor + Cable Loss

Neutral Line:

Peak Scan:

Level (dB μ V)

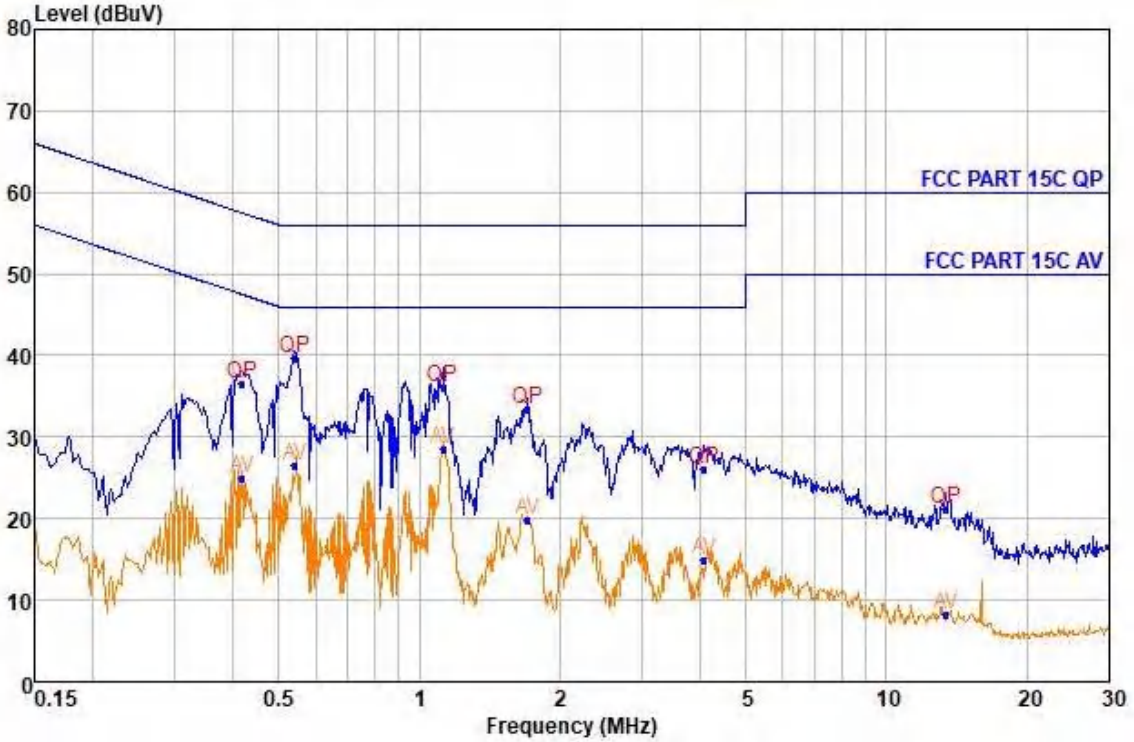


Quasi-peak and Average measurement

NO.	Freq MHz	Level dBuV	Remark	LISN Factor dB	Cable Loss dB	Limit Line dBuV	Margin dB
1	0.313	34.09	QP	9.65	0.24	59.88	-25.79
2	0.313	22.01	Average	9.65	0.24	49.88	-27.87
3	0.417	37.94	QP	9.66	0.26	57.51	-19.57
4	0.417	23.94	Average	9.66	0.26	47.51	-23.57
5	0.541	39.84	QP	9.66	0.27	56.00	-16.16
6	0.541	25.53	Average	9.66	0.27	46.00	-20.47
7	1.111	34.50	QP	9.63	0.31	56.00	-21.50
8	1.111	27.49	Average	9.63	0.31	46.00	-18.51
9	1.698	32.92	QP	9.62	0.34	56.00	-23.08
10	1.698	20.26	Average	9.62	0.34	46.00	-25.74
11	4.158	28.57	QP	9.62	0.39	56.00	-27.43
12	4.158	14.57	Average	9.62	0.39	46.00	-31.43

Level=Read Level + LISN Factor + Cable Loss

Model: LSK-JJ-004
Live Line
Peak Scan:
Level (dBμV)



Quasi-peak and Average measurement

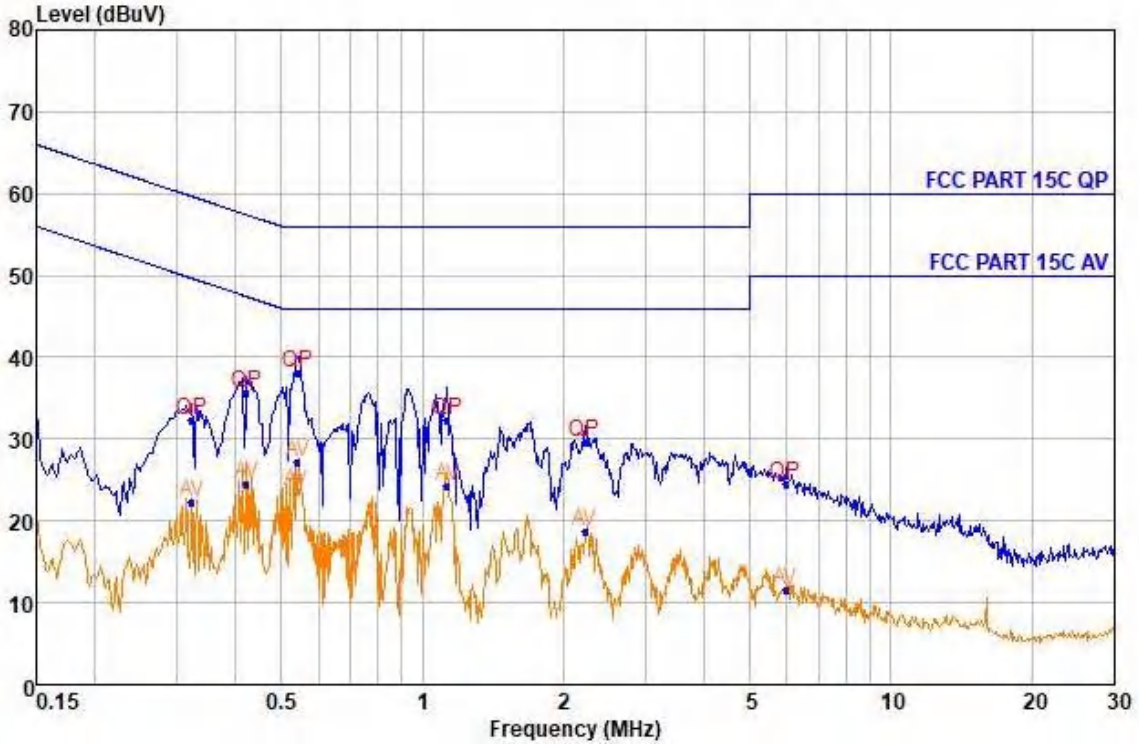
NO.	Freq MHz	Level dBuV	Remark	LISN Factor dB	Cable Loss dB	Limit Line dBuV	Margin dB
1	0.417	36.49	QP	9.66	0.26	57.51	-21.02
2	0.417	25.02	Average	9.66	0.26	47.51	-22.49
3	0.541	39.61	QP	9.66	0.27	56.00	-16.39
4	0.541	26.48	Average	9.66	0.27	46.00	-19.52
5	1.123	36.08	QP	9.67	0.31	56.00	-19.92
6	1.123	28.63	Average	9.67	0.31	46.00	-17.37
7	1.707	33.52	QP	9.65	0.34	56.00	-22.48
8	1.707	19.79	Average	9.65	0.34	46.00	-26.21
9	4.070	26.03	QP	9.61	0.39	56.00	-29.97
10	4.070	14.97	Average	9.61	0.39	46.00	-31.03
11	13.408	21.20	QP	9.69	0.45	60.00	-38.80
12	13.408	8.20	Average	9.69	0.45	50.00	-41.80

Level=Read Level + LISN Factor + Cable Loss

Neutral Line:

Peak Scan:

Level (dB μ V)

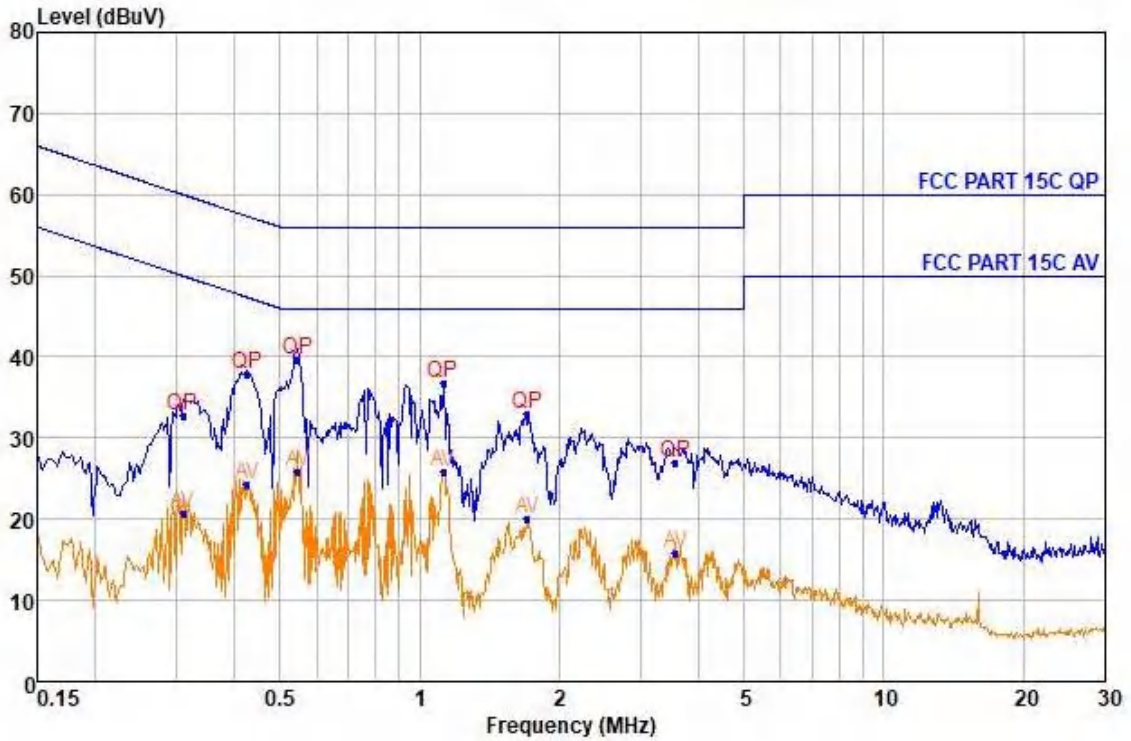


Quasi-peak and Average measurement

NO.	Freq MHz	Level dBuV	Remark	LISN Factor dB	Cable Loss dB	Limit Line dBuV	Margin dB
1	0.322	32.27	QP	9.65	0.24	59.66	-27.39
2	0.322	22.27	Average	9.65	0.24	49.66	-27.39
3	0.421	35.58	QP	9.66	0.26	57.42	-21.84
4	0.421	24.58	Average	9.66	0.26	47.42	-22.84
5	0.541	38.13	QP	9.66	0.27	56.00	-17.87
6	0.541	27.13	Average	9.66	0.27	46.00	-18.87
7	1.129	32.35	QP	9.63	0.31	56.00	-23.65
8	1.129	24.35	Average	9.63	0.31	46.00	-21.65
9	2.225	29.63	QP	9.62	0.35	56.00	-26.37
10	2.225	18.69	Average	9.62	0.35	46.00	-27.31
11	5.961	24.62	QP	9.62	0.41	60.00	-35.38
12	5.961	11.62	Average	9.62	0.41	50.00	-38.38

Level=Read Level + LISN Factor + Cable Loss

Model: LSK-JJ-005
Live Line
Peak Scan:
Level (dBμV)



Quasi-peak and Average measurement

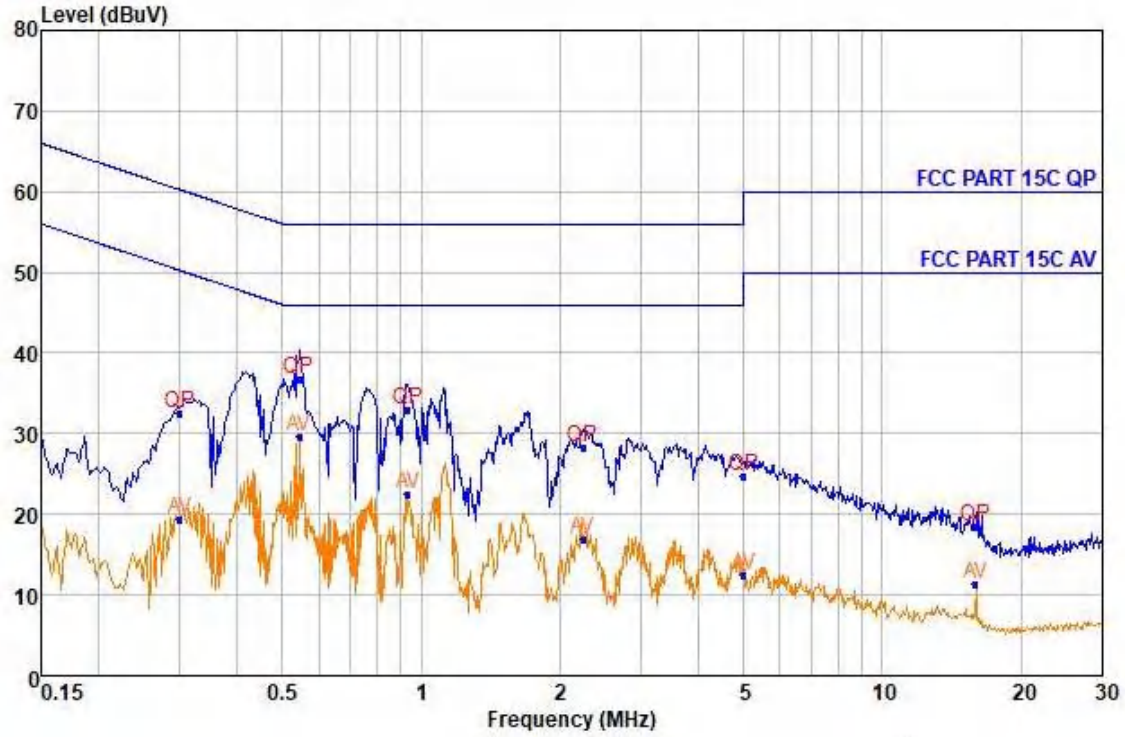
NO.	Freq MHz	Level dBuV	Remark	LISN Factor dB	Cable Loss dB	Limit Line dBuV	Margin dB
1	0.310	32.68	QP	9.67	0.24	59.97	-27.29
2	0.310	20.68	Average	9.67	0.24	59.97	-39.29
3	0.426	37.79	QP	9.66	0.26	57.33	-19.54
4	0.426	24.22	Average	9.66	0.26	57.33	-33.11
5	0.546	39.56	QP	9.67	0.27	56.00	-16.44
6	0.546	25.95	Average	9.67	0.27	56.00	-30.05
7	1.123	36.79	QP	9.67	0.31	56.00	-19.21
8	1.123	25.79	Average	9.67	0.31	56.00	-30.21
9	1.707	33.06	QP	9.65	0.34	56.00	-22.94
10	1.707	20.06	Average	9.65	0.34	56.00	-35.94
11	3.565	26.86	QP	9.62	0.38	56.00	-29.14
12	3.565	15.86	Average	9.62	0.38	56.00	-40.14

Level=Read Level + LISN Factor + Cable Loss

Neutral Line:

Peak Scan:

Level (dB μ V)



Quasi-peak and Average measurement

NO.	Freq MHz	Level dBuV	Remark	LISN Factor dB	Cable Loss dB	Limit Line dBuV	Margin dB
1	0.300	32.45	QP	9.65	0.24	60.24	-27.79
2	0.300	19.30	Average	9.65	0.24	60.24	-40.94
3	0.545	36.82	QP	9.66	0.27	56.00	-19.18
4	0.545	29.63	Average	9.66	0.27	56.00	-26.37
5	0.936	32.97	QP	9.63	0.30	56.00	-23.03
6	0.936	22.50	Average	9.63	0.30	56.00	-33.50
7	2.243	28.31	QP	9.62	0.35	56.00	-27.69
8	2.243	16.99	Average	9.62	0.35	56.00	-39.01
9	5.000	24.71	QP	9.62	0.40	56.00	-31.29
10	5.000	12.43	Average	9.62	0.40	56.00	-43.57
11	15.932	18.46	QP	9.63	0.46	60.00	-41.54
12	15.932	11.31	Average	9.63	0.46	60.00	-48.69

Level=Read Level + LISN Factor + Cable Loss

-- End of test report --