

TEST REPORT

Applicant	CORSAIR MEMORY, Inc.
Address	115 North McCarthy Blvd, Milpitas, CA 95035, USA

Manufacturer or Supplier	CORSAIR MEMORY, Inc.
Address	115 North McCarthy Blvd, Milpitas, CA 95035, USA
Product	Wireless Mouse
Brand Name	 or CORSAIR or 
Model	RGP0197
Additional Model & Model Difference	N/A
Date of tests	Aug. 27, 2026 ~ Sep. 03, 2026

the tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 15, Subpart C, Section 15.249**

CONCLUSION: The submitted sample was found to **COMPLY** with the test requirement

Prepared by Andrew Sha Project Engineer / EMC Department	Approved by Glyn He Assistant Manager / EMC Department
	 Date: Sep. 17, 2026

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Test Report No.: RF2608WDG0276-2

RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
RF2608WDG0276-2	Original release	Sep. 17, 2026

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 15, SUBPART C (SECTION 15.249)			
STANDARD SECTION	TEST TYPE AND LIMIT	RESULT	REMARK
§15.203	Antenna Requirement	PASS	No antenna connector is used
§15.207 (a)	Conducted Emission	PASS	Compliant
§15.205	Restricted Band of Operation	PASS	Compliant
§15.209 §15.249(a)	Radiated Emission	PASS	Compliant
§15.215(c)	20dB Bandwidth Test	PASS	Compliant

2 MEASUREMENT UNCERTAINTY

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

MEASUREMENT	FREQUENCY	UNCERTAINTY
Conducted emissions	9KHz ~ 30MHz	3.36dB
Radiated emissions	30MHz ~ 1GMHz	4.65dB
	1GHz ~ 18GHz	5.01dB
	18GHz ~ 40GHz	4.10dB
20dB Bandwidth	1GHz ~ 18GHz	1.132x10 ⁻⁴ %

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

3 GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Wireless Mouse
MODEL NO.	RGP0197
ADDITIONAL MODEL	N/A
FCC ID	2AAFM-RGP0197
NOMINAL VOLTAGE	DC 5V from USB host unit or DC 3.8V from Li-ion battery
MODULATION TECHNOLOGY	GFSK (2Mbps, 4Mbps)
OPERATING FREQUENCY	2403-2480MHz for GFSK 2Mbps 2405-2477MHz for GFSK 4Mbps
ANTENNA TYPE	PCB Antenna, 2.52dBi Gain
I/O PORTS	Refer to user's manual
CABLE SUPPLIED	USB cable: Shielded, Detachable, 1.8m

NOTES:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. For the test results, the EUT had been tested with all conditions, but only the worst case was shown in test report.
3. Please refer to the EUT photo document (Reference No.: 2608WDG0276) for detailed product photo.
4. There are 2 types of outer shell of the EUT: magnesium alloy hollowed-out shell and carbon fiber shell, they are identical to each other except for the shell, the magnesium alloy hollowed-out shell was tested with all test data, and the carbon fiber shell was tested with RSE items, only the worst data will be presented in this report.

3.2 DESCRIPTION OF TEST MODES

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and packet type. The worst case was found when the EUT was positioned on X axis for radiated emission. The EUT was tested under the following mode.

EUT CONFIGURE MODE	APPLICABLE TO				DESCRIPTION
	RE<1G	RE≥1G	PLC	BW	
A	√	√	√	√	DC 5V from Adapter

Where **RE<1G**: Radiated Emission below 1GHz
PLC: Power Line Conducted Emission

RE≥1G: Radiated Emission above 1GHz
BW: 20db bandwidth

Following channel(s) was (were) selected for the test as listed below.

For GFSK 2Mbps

TESTED CHANNEL	TESTED FREQUENCY
Low	2403 MHz
Middle	2441 MHz
High	2480 MHz

For GFSK 4Mbps

TESTED CHANNEL	TESTED FREQUENCY
Low	2405 MHz
Middle	2441 MHz
High	2477 MHz

Channel List For GFSK 2Mbps

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

Note: The more detailed channel, please refer to the product specifications

Channel List For GFSK 4Mbps

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

Note: The more detailed channel, please refer to the product specifications

TEST CONDITION:

APPLICABLE TO	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
RE	25deg. C, 55%RH	DC 5V from Adapter	Ludius
BW	25deg. C, 56%RH	DC 5V from Adapter	Vincent
PLC	25deg. C, 55%RH	DC 5V from Adapter	Summer

3.3 GENERAL DESCRIPTION OF APPLIED STANDARDS

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

FCC Part 15, Subpart C, Section 15.249

ANSI C63.10-2020

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

3.4 DESCRIPTION OF SUPPORT UNITS

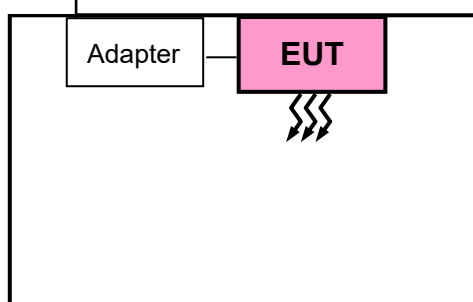
The EUT has been tested as an independent unit together without any other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	Provided
1	Notebook	DELL	Latitude 5420	127710614	Lab.
2	Adapter	N/A	C120A2400500PI	N/A	Lab.

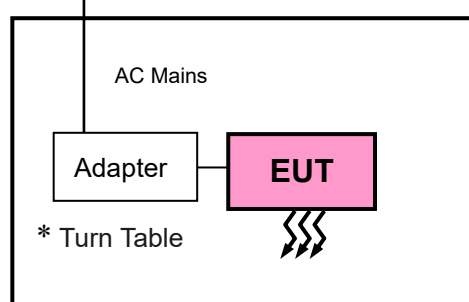
NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A

3.5 CONFIGURATION OF SYSTEM UNDER TEST

AC Mains ↑ CONDUCTED EMISSION TEST:



↑ RADIATED EMISSION TEST:



3.6 DUTY CYCLE OF TESET SIGNAL

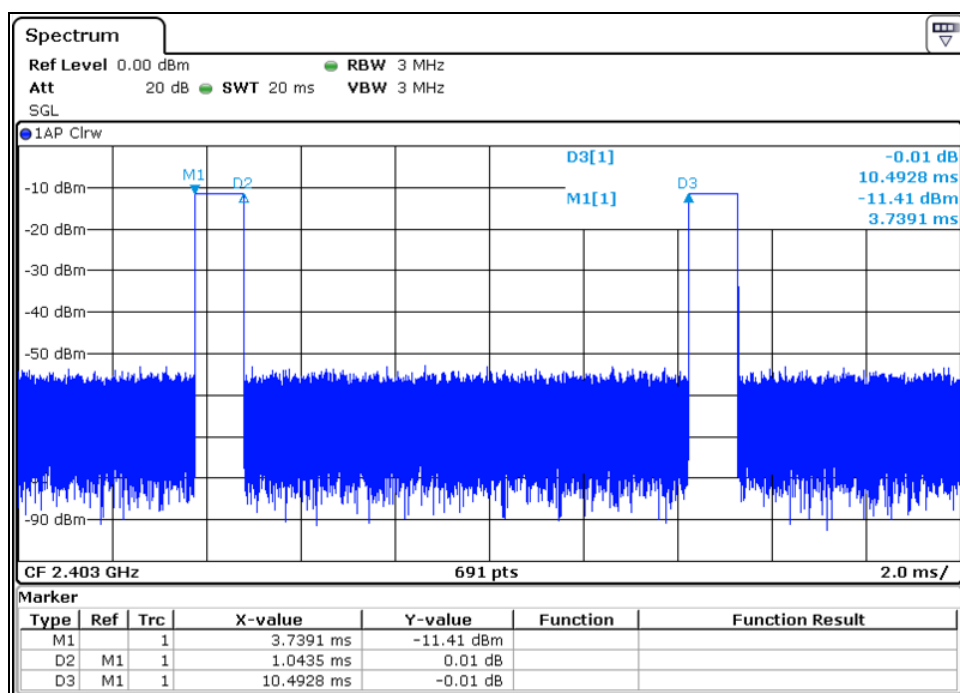
For GFSK 2Mbps:

$T_p = 10.4928\text{ms}$;

$T_{on} = 1.0435\text{ms}$

Duty Cycle = $T_{on} / T_p * 100\% = 1.0435 / 10.4928 \approx 9.94\%$

AV factor = $20 \log (\text{Duty cycle}) = 20\text{Log}(9.94\%) \approx -20.05\text{dB}$



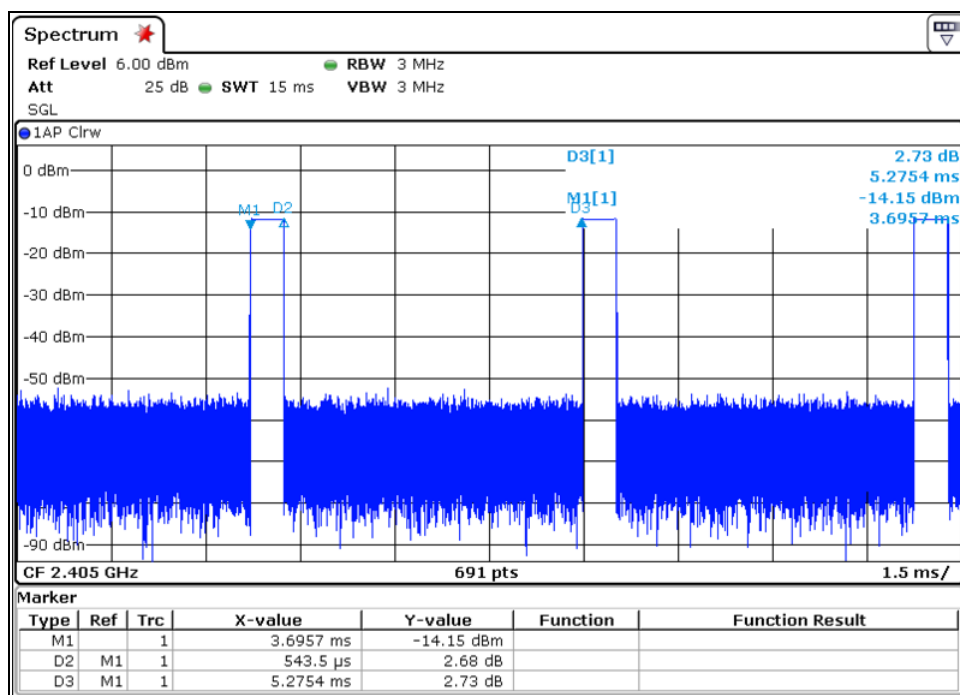
For GFSK 4Mbps:

$T_p = 5.2754\text{ms}$;

$T_{on} = 0.5435\text{ms}$

Duty Cycle = $T_{on} / T_p * 100\% = 0.5435 / 5.2754 \approx 10.30\%$

AV factor = $20 \log (\text{Duty cycle}) = 20\text{Log}(10.30\%) \approx -19.74\text{dB}$



4. TEST TYPES AND RESULTS

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

FREQUENCY OF EMISSION (MHz)	CONDUCTED LIMIT (dBμV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 to 56	56 to 46
0.5 ~ 5	56	46
5 ~ 30	60	50

- NOTE:** 1. The lower limit shall apply at the transition frequencies.
2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.
3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

4.1.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESR7	101494	Oct. 10, 26
Artificial Mains Network	Rohde&Schwarz	ENV216	101173	Oct. 10, 26
Artificial Mains Network	Rohde&Schwarz	ESH3-Z5	100317	Oct. 09, 26
Voltage probe	SCHWARZBECK	TK 9421	TK 9421-176	Jul. 02, 27
Test software	ADT	ADT_Cond_V7.3.7	N/A	N/A

NOTES:

- The test was performed in shielded room 553.
- Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
- Test Site: No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province. 523942. People's Republic of China.

4.1.3 TEST PROCEDURES

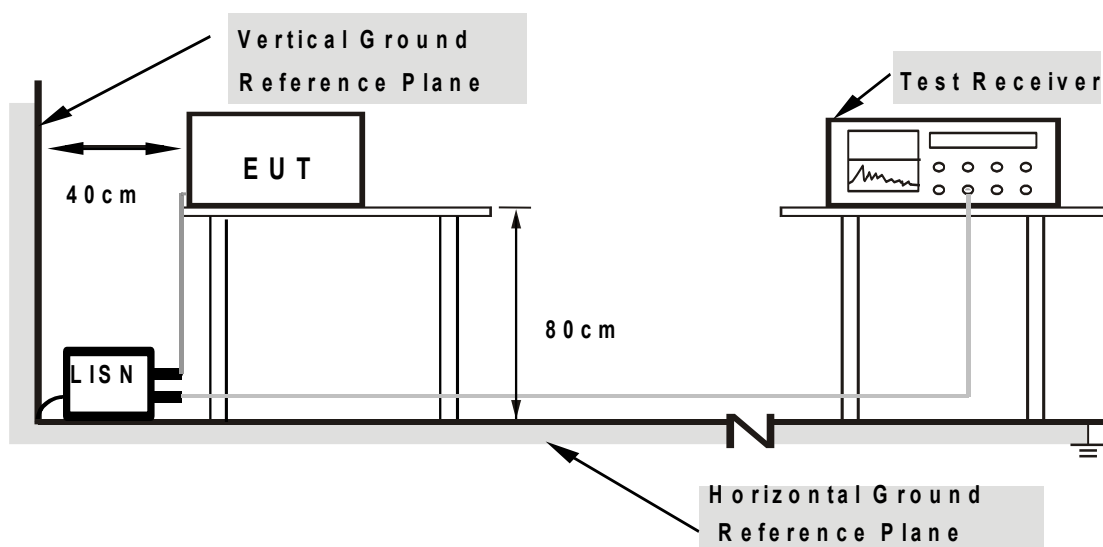
- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling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

NOTE: All modes of operation were investigated and the worst-case emissions are reported.

4.1.4 DEVIATION FROM TEST STANDARD

No deviation.

4.1.5 TEST SETUP



- Note: 1.Support units were connected to second LISN .
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

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

4.1.6 EUT OPERATING CONDITIONS

- Turned on the power and connected of all equipment.
- EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

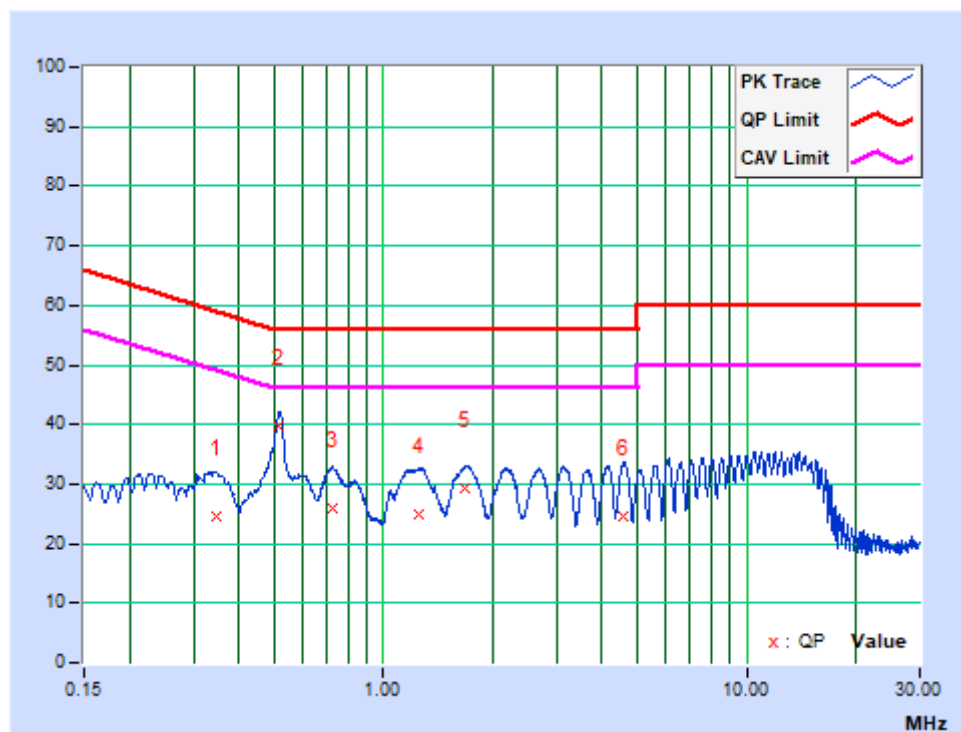
4.1.7 TEST RESULTS

CONDUCTED WORST-CASE DATA:

PHASE	Line	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.34608	9.60	14.92	8.96	24.52	18.56	59.06	49.06	-34.54	-30.50
2	0.51425	9.60	30.21	23.84	39.81	33.44	56.00	46.00	-16.19	-12.56
3	0.72868	9.61	16.30	9.48	25.91	19.09	56.00	46.00	-30.09	-26.91
4	1.25025	9.64	15.34	8.94	24.98	18.58	56.00	46.00	-31.02	-27.42
5	1.68000	9.65	19.79	11.83	29.44	21.48	56.00	46.00	-26.56	-24.52
6	4.59825	9.75	14.88	7.65	24.63	17.40	56.00	46.00	-31.37	-28.60

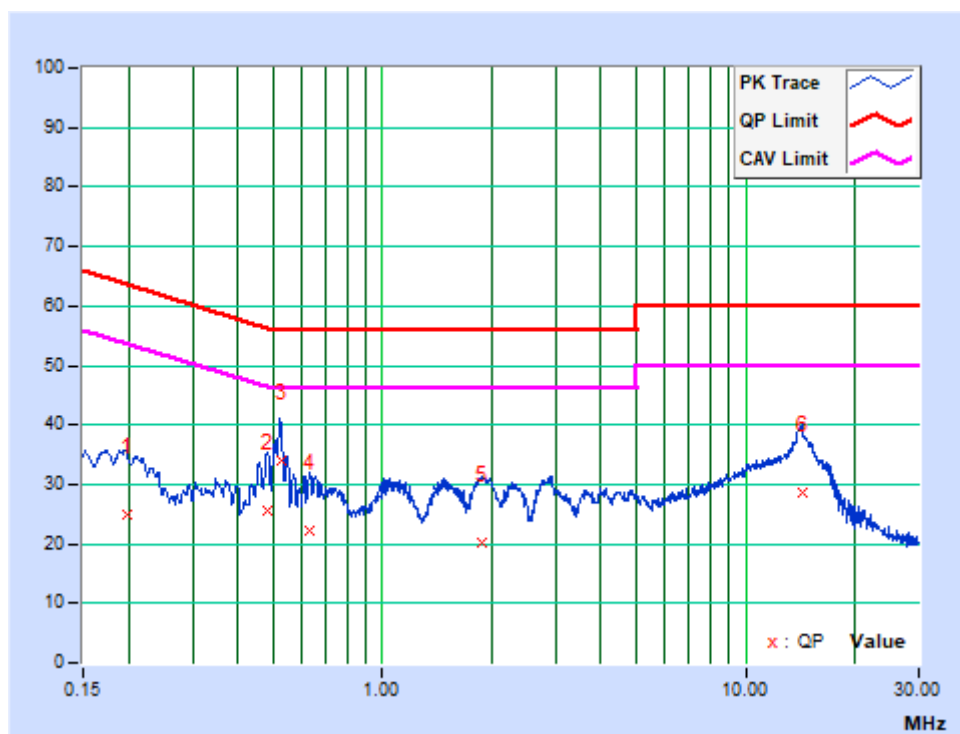
- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.



PHASE	Neutral	6dB BANDWIDTH	9kHz
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No	Freq. [MHz]	Corr. Factor (dB)	Reading Value [dB (uV)]		Emission Level [dB (uV)]		Limit [dB (uV)]		Margin (dB)	
			Q.P.	AV.	Q.P.	AV.	Q.P.	AV.	Q.P.	AV.
1	0.19725	9.57	15.28	5.06	24.85	14.63	63.73	53.73	-38.88	-39.10
2	0.48014	9.59	16.07	9.26	25.66	18.85	56.34	46.34	-30.67	-27.48
3	0.52575	9.59	24.37	18.72	33.96	28.31	56.00	46.00	-22.04	-17.69
4	0.63186	9.60	12.56	5.85	22.16	15.45	56.00	46.00	-33.84	-30.55
5	1.87800	9.65	10.39	3.56	20.04	13.21	56.00	46.00	-35.96	-32.79
6	14.30925	10.05	18.57	6.57	28.62	16.62	60.00	50.00	-31.38	-33.38

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Emission level - Limit value
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.



4.2 RADIATED EMISSION MEASUREMENT

4.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Emissions radiated outside of the specified bands, shall be according to the general radiated limits in 15.209 as following:

FREQUENCIES (MHz)	FIELD STRENGTH (microvolts/meter)	MEASUREMENT DISTANCE (meters)
0.009 ~ 0.490	2400/F(kHz)	300
0.490 ~ 1.705	24000/F(kHz)	30
1.705 ~ 30.0	30	30
30 ~ 88	100	3
88 ~ 216	150	3
216 ~ 960	200	3
Above 960	500	3

According to §15.249(a), the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency	Field strength of fundamental (milli-volts/meter)	Field strength of harmonics (micro-volts/meter)
902-928 MHz	50	500
2400-2483.5 MHz	50	500
5725-5875 MHz	50	500
24.0-24.25 GHz	250	2500

The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in §15.35 for limiting peak emissions apply.

NOTE:

1. The lower limit shall apply at the transition frequencies.
2. Emission level (dBuV/m) = 20 log Emission level (uV/m).
3. As shown in 15.35(b), for frequencies above 1000MHz, the field strength limits are based on average detector, however, the peak field strength of any emission shall not exceed the maximum permitted average limits, specified above by more than 20dB under any condition of modulation.

4.2.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
EMI Test Receiver	Rohde&Schwarz	ESU40	100449	Oct. 09, 26
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV7	102331	Apr. 08, 27
Active Loop Antenna (9KHz -30MHz)	SCHWARZBECK	FMZB 1519B	1519B-045	Apr. 13, 27
Amplifier (9KHz -1GHz)	Burgeon	BPA-530	100210	Feb. 12, 27
Trilog-Broadband Antenna	SCHWARZBECK	VULB 9168	9168-554	Dec. 14, 26
Horn Antenna (1GHz -18GHz)	ETS -Lindgren	3117	0085519	Oct. 11, 26
Horn Antenna (18GHz -40GHz)	SCHWARZBECK	BBHA 9170	BBHA9170147	Apr. 19, 27
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	NSEMC003	May 16, 27
Test Software	ADT	ADT_Radiated_V7.6.15.9.2	N/A	N/A
Broadband Preamplifier (1GHz~18GHz)	SCHWARZBECK	BBV9718	305	Feb. 12, 27
Pre-Amplifier (18GHz-40GHz)	EMCI	EMC 184045	980102	Oct. 10, 26

NOTE:

1. The test was performed in 966 Chamber.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
3. Test Site: No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province. 523942. People's Republic of China.
4. The FCC Site Registration No. is 749762. Designation Number: CN1174.

4.2.3 TEST PROCEDURES

- a. The EUT was placed on the top of a rotating table 1.5 meters (above 1GHz) and 0.8 meters (below 1GHz) above the ground at a 3 meters semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna is a broadband antenna, and its height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. For below 30MHz, a loop antenna with its vertical plane is place 3m from the EUT and rotated about its vertical axis for maximum response at each azimuth about the EUT. And the centre of the loop shall be 1.3m above the ground.
- g. If the emission level of the EUT in peak mode was lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Other wise the emissions would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.

NOTE:

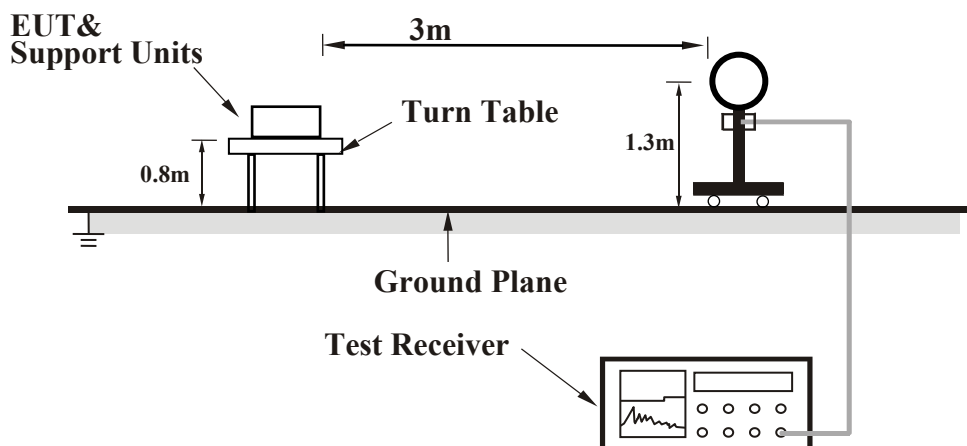
1. The resolution bandwidth and video bandwidth of test receiver is 120kHz for Quasi-peak detection at frequency below 1GHz.
2. The resolution bandwidth of test receiver is 1MHz and video bandwidth is 3MHz for Peak detection at frequency above 1GHz.
3. Average value =PK Emission +AV Factor.
4. All modes of operation were investigated and the worst-case emissions are reported.
5. The testing of the EUT was performed on all 3 orthogonal axes; the worst-case test configuration was reported on the file test setup photo.

4.2.4 DEVIATION FROM TEST STANDARD

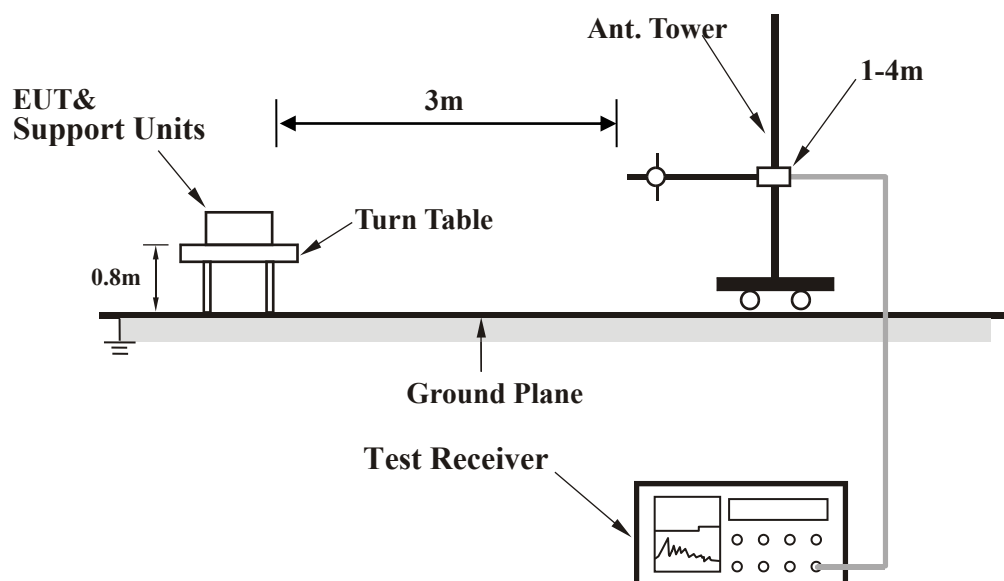
No deviation.

4.2.5 TEST SETUP

Below 30MHz test setup

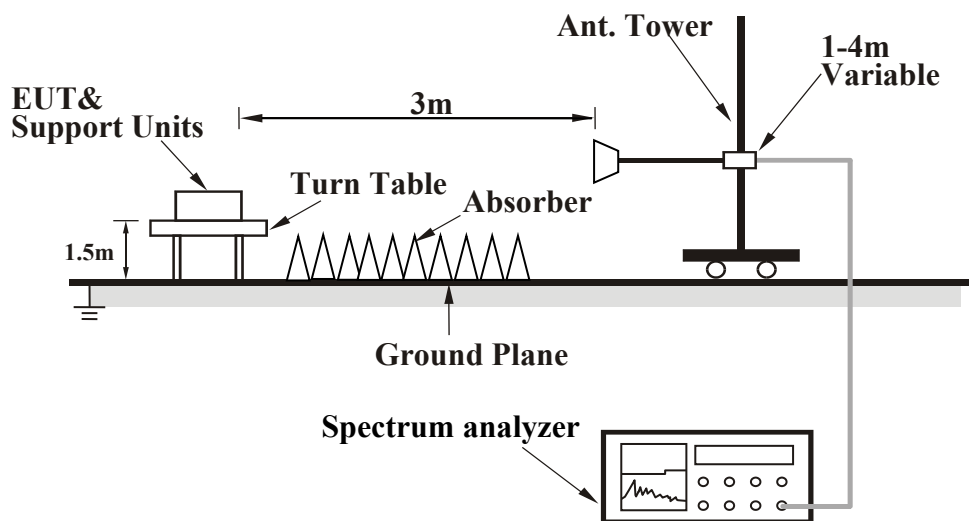


Below 1GHz test setup



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

Above 1GHz test setup



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

4.2.6 EUT OPERATING CONDITIONS

- c) Turned on the power of all equipment.
- d) EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

4.2.7 TEST RESULTS

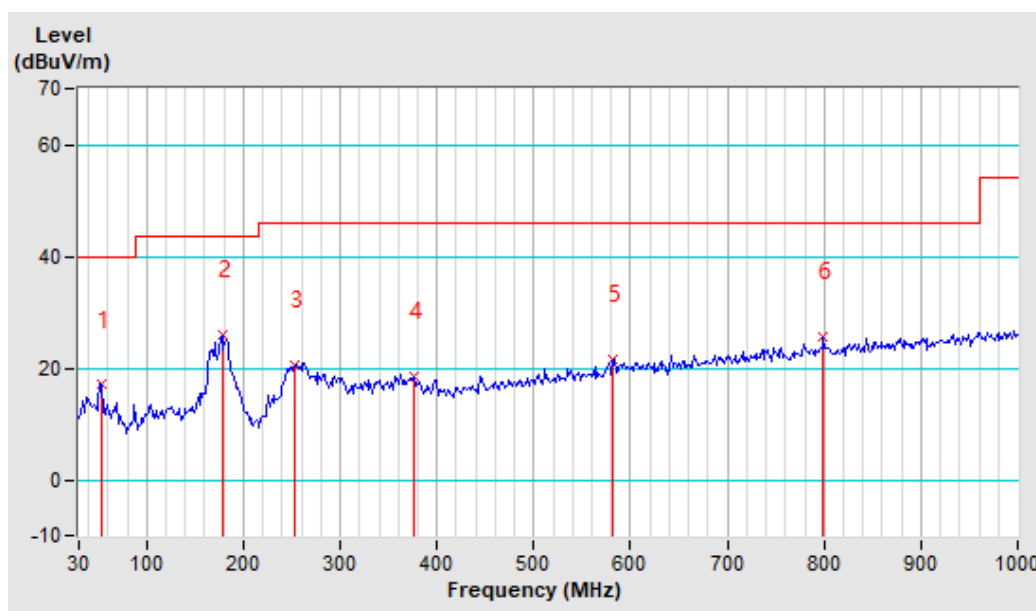
BELOW 1GHz WORST-CASE DATA:

CHANNEL	TX Middle Channel	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	53.32	17.03	40.00	-22.97	114	318	33.74	-16.71
2	177.68	26.07	43.50	-17.43	169	270	44.00	-17.93
3	253.85	20.50	46.00	-25.50	100	300	38.02	-17.52
4	376.65	18.62	46.00	-27.38	101	354	32.37	-13.75
5	581.84	21.50	46.00	-24.50	100	0	30.34	-8.84
6	799.47	25.60	46.00	-20.40	100	0	31.22	-5.62

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.

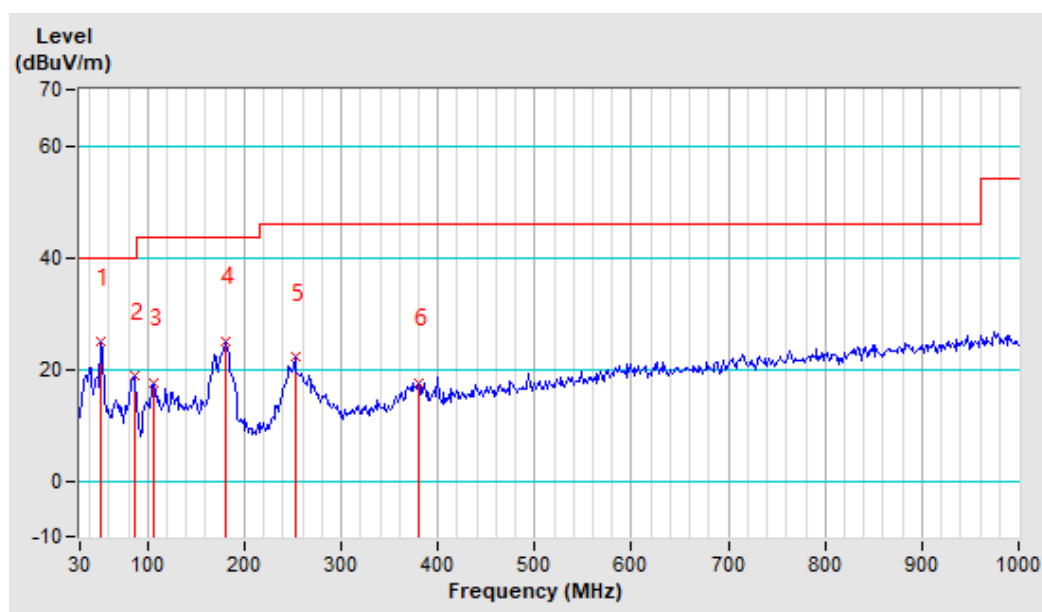


CHANNEL	TX Middle Channel	DETECTOR FUNCTION	Quasi-Peak (QP)
FREQUENCY RANGE	9KHz ~ 1GHz		

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	51.76	24.78	40.00	-15.22	141	112	41.43	-16.65
2	85.96	18.65	40.00	-21.35	179	90	40.03	-21.38
3	106.17	17.56	43.50	-25.94	180	43	37.84	-20.28
4	180.79	24.96	43.50	-18.54	100	74	43.22	-18.26
5	252.29	22.08	46.00	-23.92	100	60	39.66	-17.58
6	379.76	17.46	46.00	-28.54	100	24	31.11	-13.65

REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. 9KHz~30MHz have been test and test data more than 20dB margin.
5. Margin value = Emission level – Limit value.



ABOVE 1GHz DATA FOR GFSK 2Mbps:

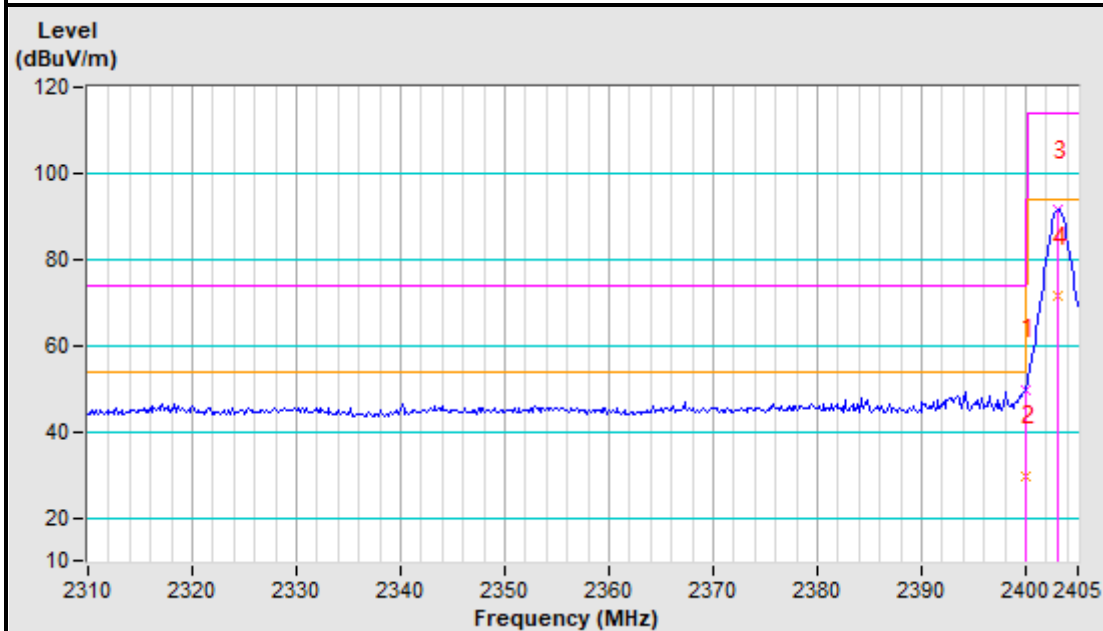
CHANNEL	TX Low Channel	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2400.00	49.61 PK	74.00	-24.39	139	54	47.34	2.27
2	2400.00	29.56 AV	54.00	-24.44	139	54	27.29	2.27
3	*2403.00	91.38 PK	114.00	-22.62	155	46	89.11	2.27
4	*2403.00	71.33 AV	94.00	-22.67	155	46	69.06	2.27
5	4806.00	44.03 PK	74.00	-29.97	106	31	38.14	5.89
6	4806.00	25.12 AV	54.00	-28.88	106	31	19.23	5.89
7	7209.00	48.50 PK	74.00	-25.50	103	210	40.57	7.93
8	7209.00	28.45 AV	54.00	-25.55	103	210	20.52	7.93
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2400.00	52.76 PK	74.00	-21.24	105	241	50.49	2.27
2	2400.00	32.71 AV	54.00	-21.29	105	241	30.44	2.27
3	*2403.00	93.57 PK	114.00	-20.43	177	54	91.30	2.27
4	*2403.00	73.52 AV	94.00	-20.48	177	54	71.25	2.27
5	4806.00	45.17 PK	74.00	-28.83	122	45	39.28	5.89
6	4806.00	25.12 AV	54.00	-28.88	122	45	19.23	5.89
7	7209.00	47.54 PK	74.00	-26.46	142	110	39.61	7.93
8	7209.00	27.49 AV	54.00	-26.51	142	110	19.56	7.93

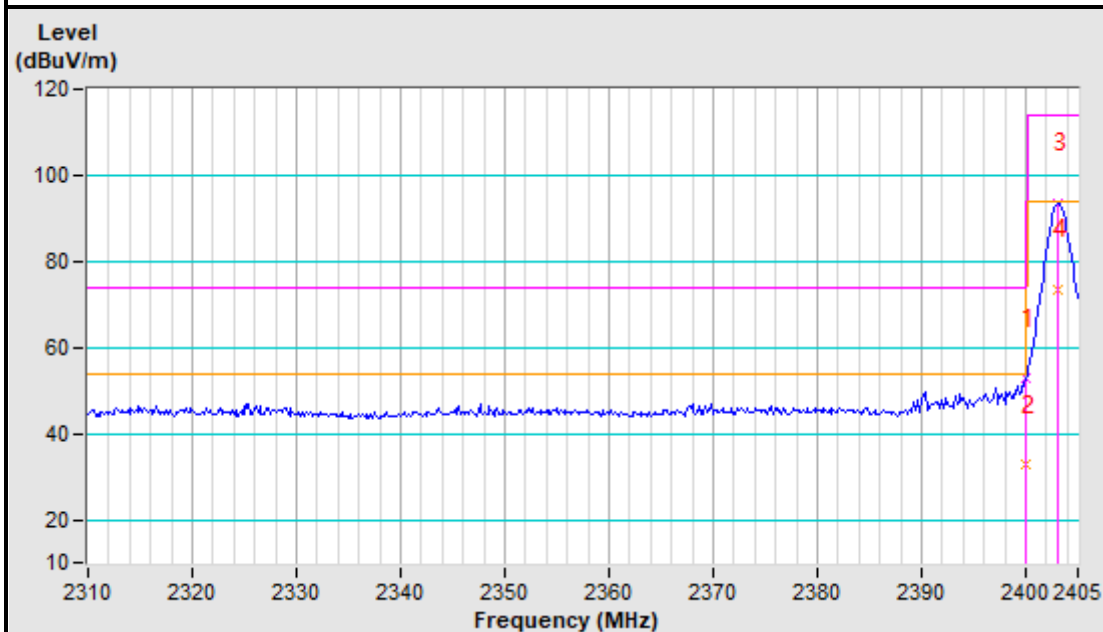
REMARK:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. Average value = PK Emission + 20*log (duty cycle) Where the duty factor is calculated from following formula: $20 \log (\text{Duty cycle}) = 20 \log (9.94\%) \approx -20.05 \text{ dB}$, Please see page 11 for plotted duty.
7. The frequency NO. 5, 6, 7, 8 in the table are marked with 1, 2, 3, 4 in the spectrum plot.

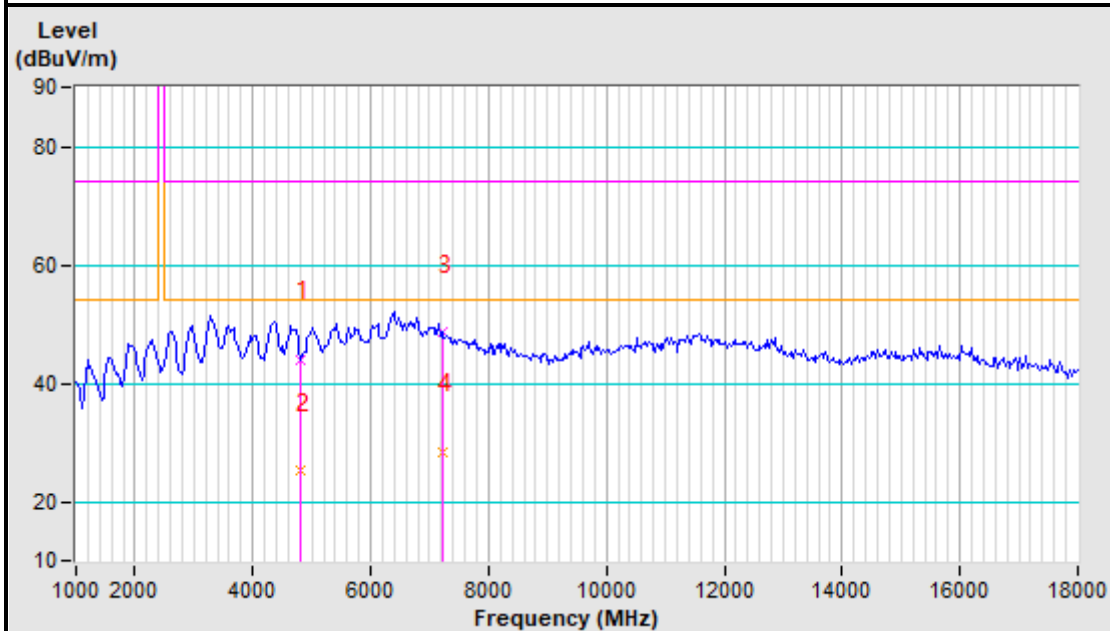
2403MHz Horizontal



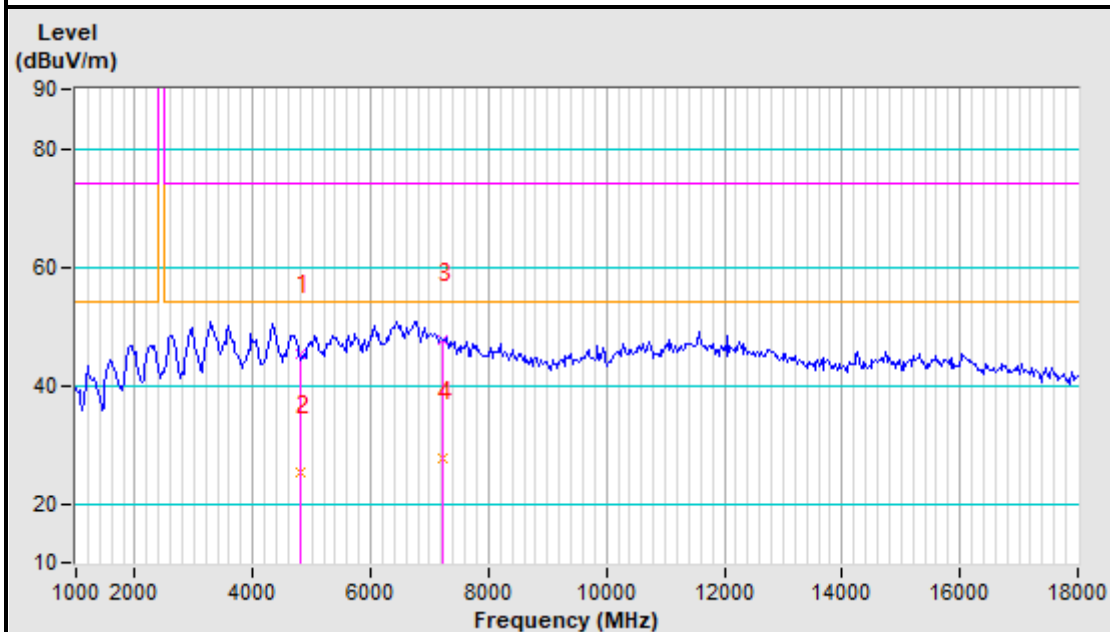
2403MHz Vertical



2403MHz Horizontal



2403MHz Vertical



Note: For 18GHz to 25GHz, the amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded.

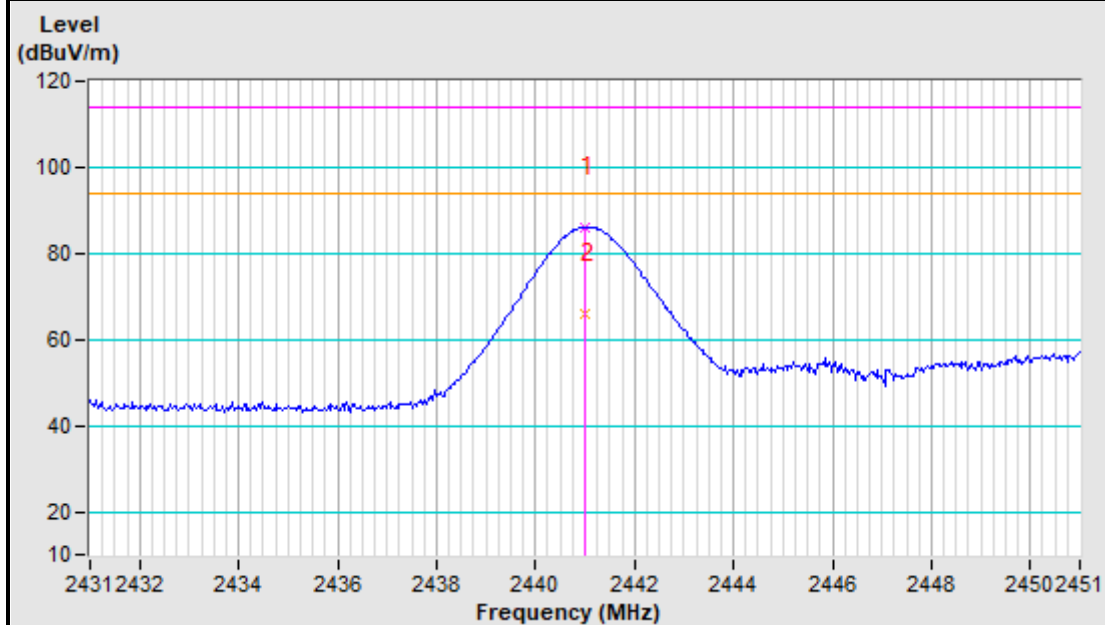
CHANNEL	TX Middle Channel	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2441.00	86.17 PK	114.00	-27.83	196	52	83.86	2.31
2	*2441.00	66.12 AV	94.00	-27.88	196	52	63.81	2.31
3	4882.00	45.22 PK	74.00	-28.78	132	110	39.49	5.73
4	4882.00	25.17 AV	54.00	-28.83	132	110	19.44	5.73
5	7323.00	47.70 PK	74.00	-26.30	130	117	40.14	7.56
6	7323.00	27.65 AV	54.00	-26.35	130	117	20.09	7.56
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2441.00	91.99 PK	114.00	-22.01	155	44	89.68	2.31
2	*2441.00	71.94 AV	94.00	-22.06	155	44	69.63	2.31
3	4882.00	45.01 PK	74.00	-28.99	177	54	39.28	5.73
4	4882.00	24.96 AV	54.00	-29.04	177	54	19.23	5.73
5	7323.00	47.52 PK	74.00	-26.48	106	65	39.96	7.56
6	7323.00	27.47 AV	54.00	-26.53	106	65	19.91	7.56

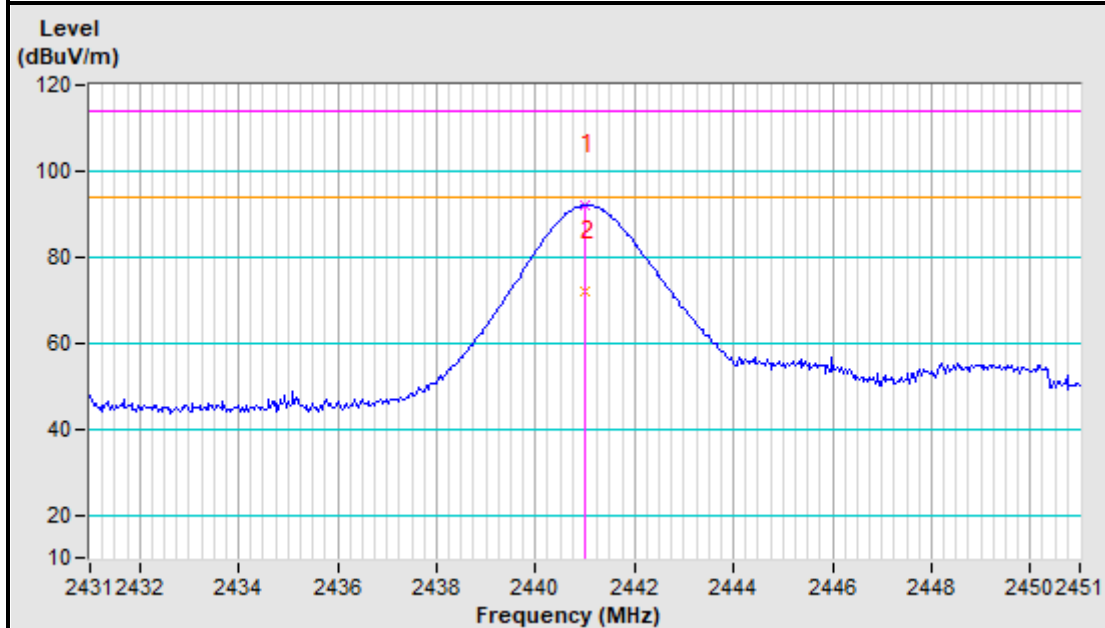
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. Average value = PK Emission + 20*log (duty cycle) Where the duty factor is calculated from following formula: $20 \log (\text{Duty cycle}) = 20 \log (9.94\%) \approx -20.05 \text{ dB}$, Please see page 11 for plotted duty.
7. The frequency NO. 3, 4, 5, 6 in the table are marked with 1, 2, 3, 4 in the spectrum plot.

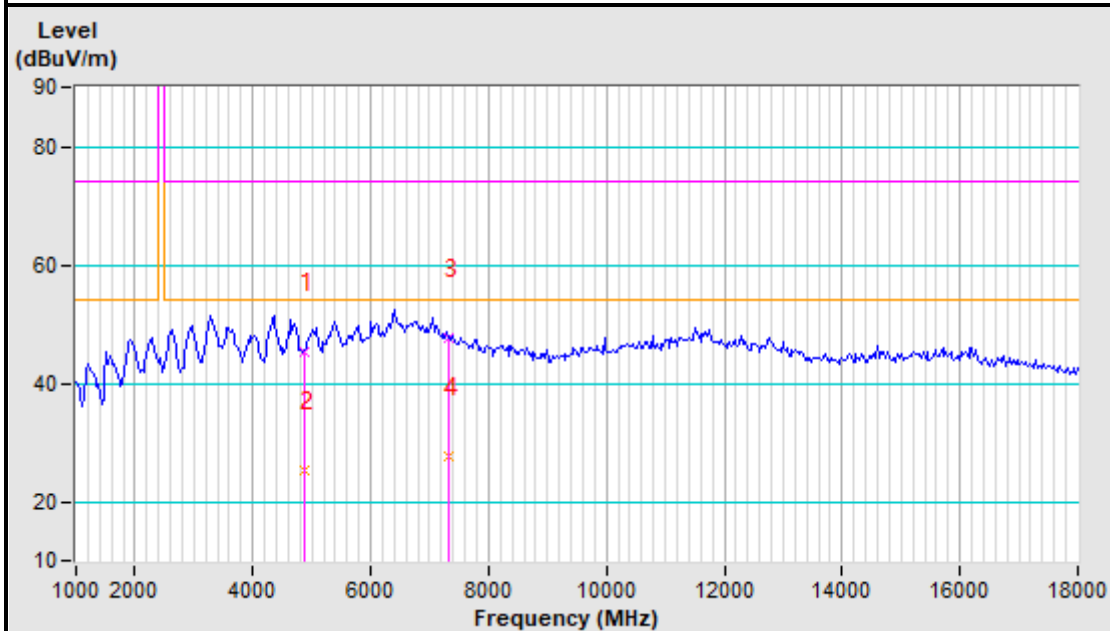
2441MHz Horizontal



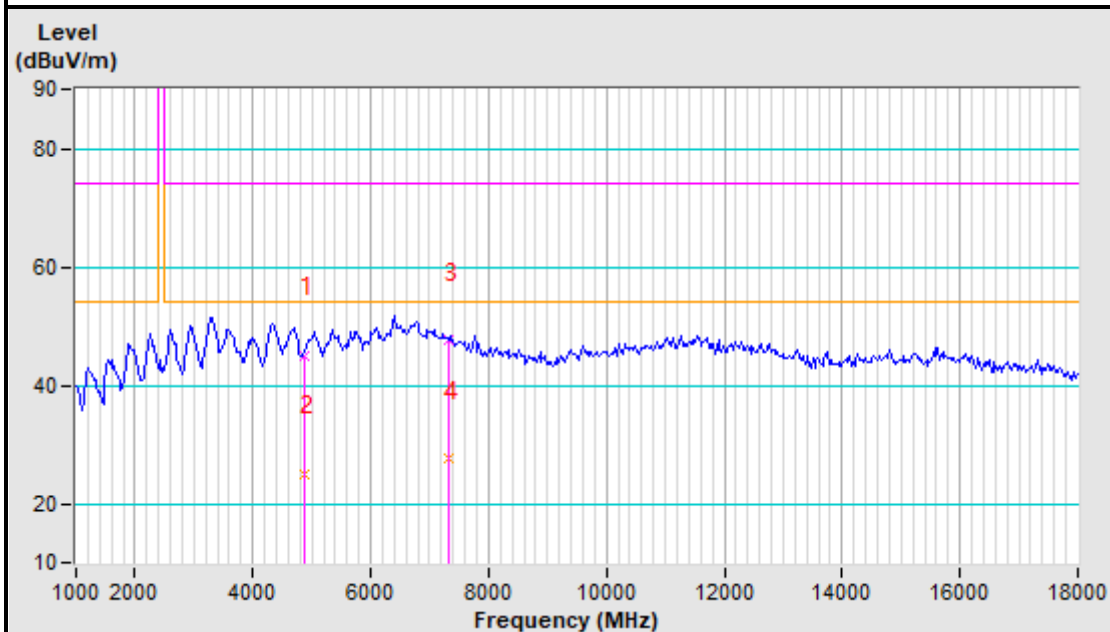
2441MHz Vertical



2441MHz Horizontal



2441MHz Vertical



Note: For 18GHz to 25GHz, the amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded.

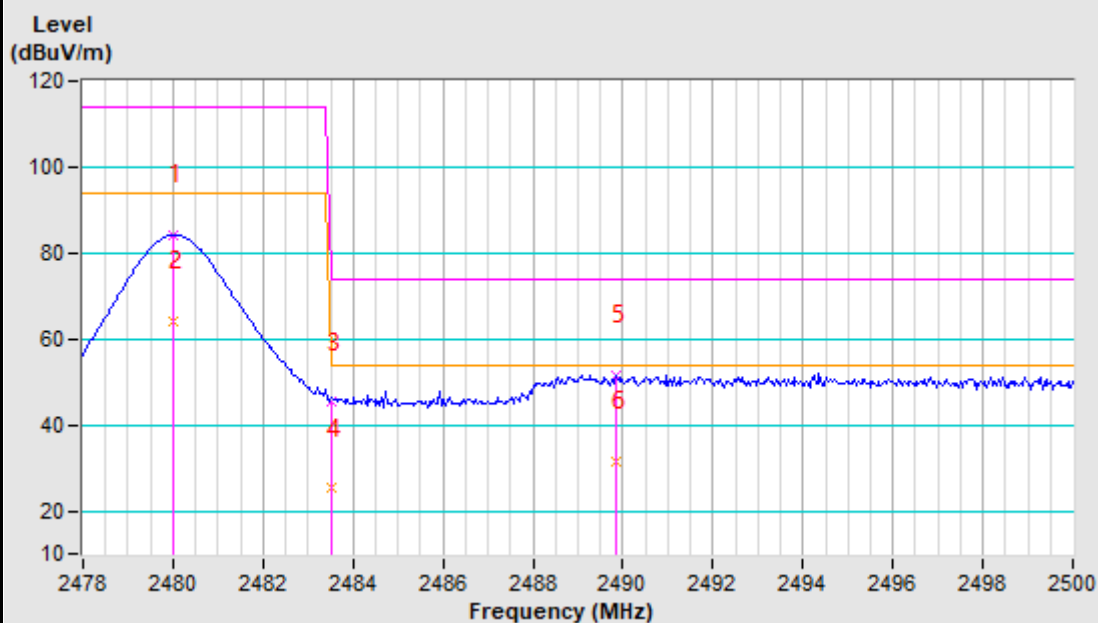
CHANNEL	TX High Channel	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	84.25 PK	114.00	-29.75	163	22	81.89	2.36
2	*2480.00	64.20 AV	94.00	-29.80	163	22	61.84	2.36
3	2483.50	45.25 PK	74.00	-28.75	106	33	42.89	2.36
4	2483.50	25.20 AV	54.00	-28.80	106	33	22.84	2.36
5	2489.84	51.60 PK	74.00	-22.40	152	14	49.24	2.36
6	2489.84	31.55 AV	54.00	-22.45	152	14	29.19	2.36
7	4960.00	47.46 PK	74.00	-26.54	162	224	41.88	5.58
8	4960.00	27.41 AV	54.00	-26.59	162	224	21.83	5.58
9	7440.00	47.63 PK	74.00	-26.37	122	20	40.46	7.17
10	7440.00	27.58 AV	54.00	-26.42	122	20	20.41	7.17
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2480.00	87.67 PK	114.00	-26.33	104	114	85.31	2.36
2	*2480.00	67.62 AV	94.00	-26.38	104	114	65.26	2.36
3	2483.50	47.73 PK	74.00	-26.27	135	118	45.37	2.36
4	2483.50	27.68 AV	54.00	-26.32	135	118	25.32	2.36
5	2488.75	53.47 PK	74.00	-20.53	169	54	51.11	2.36
6	2488.75	33.42 AV	54.00	-20.58	169	54	31.06	2.36
7	4960.00	47.14 PK	74.00	-26.86	124	22	41.56	5.58
8	4960.00	27.09 AV	54.00	-26.91	124	22	21.51	5.58
9	7440.00	47.38 PK	74.00	-26.62	144	59	40.21	7.17
10	7440.00	27.33 AV	54.00	-26.67	144	59	20.16	7.17

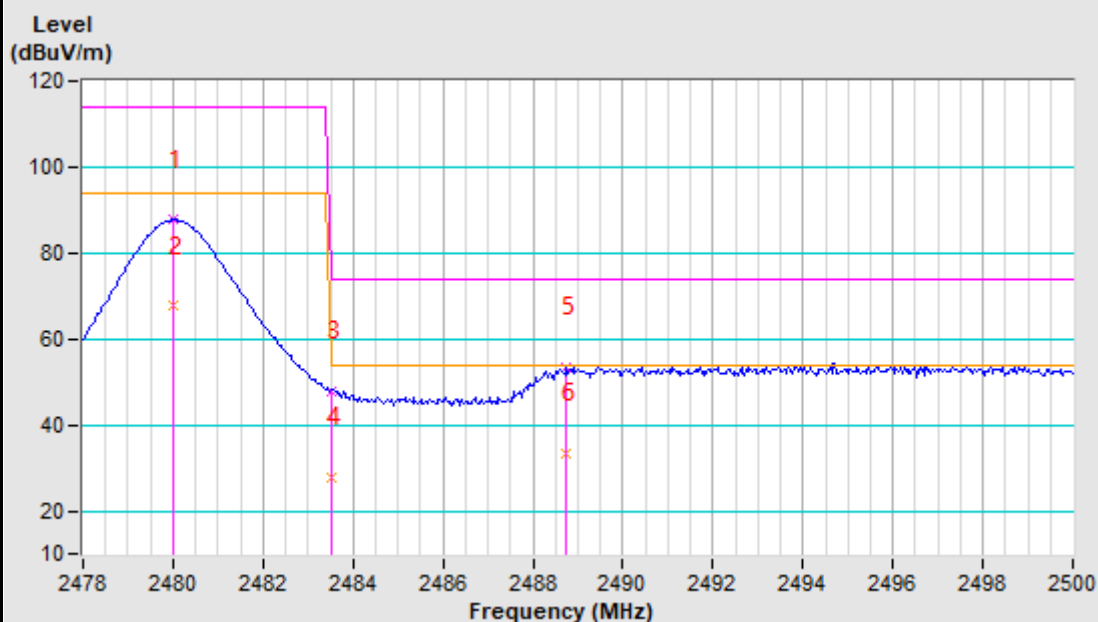
REMARK:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. Average value = PK Emission + 20*log (duty cycle) Where the duty factor is calculated from following formula: $20 \log (\text{Duty cycle}) = 20 \log (9.94\%) \approx -20.05 \text{ dB}$, Please see page 11 for plotted duty.
7. The frequency NO. 7, 8, 9, 10 in the table are marked with 1, 2, 3, 4 in the spectrum plot.

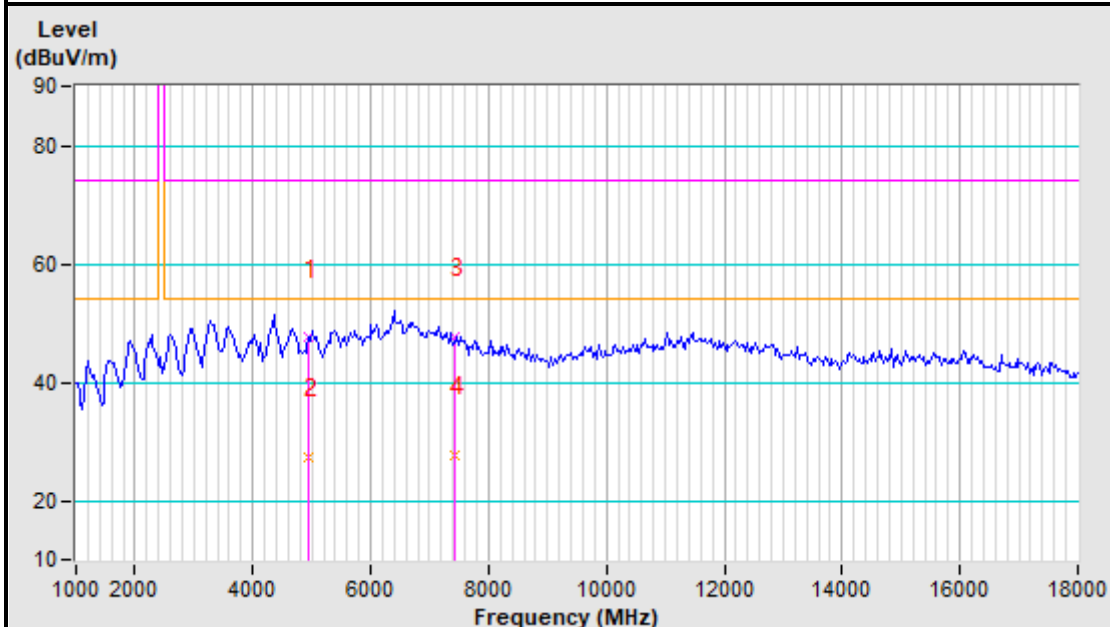
2480MHz Horizontal



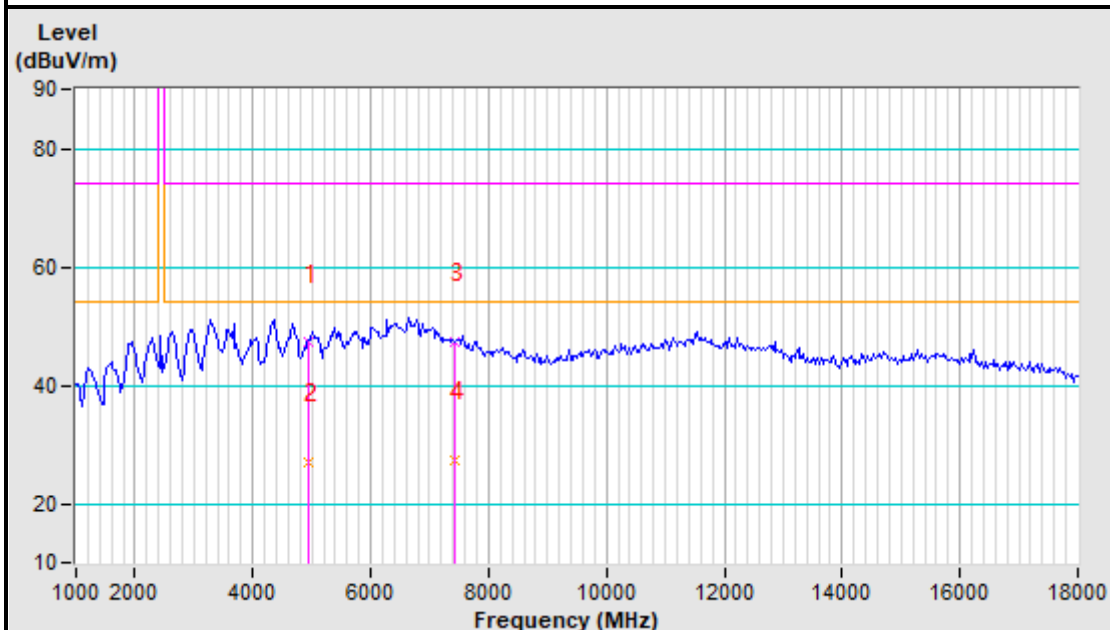
2480MHz Vertical



2480MHz Horizontal



2480MHz Vertical



Note: For 18GHz to 25GHz, the amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded.

ABOVE 1GHz DATA FOR GFKS 4Mbps:

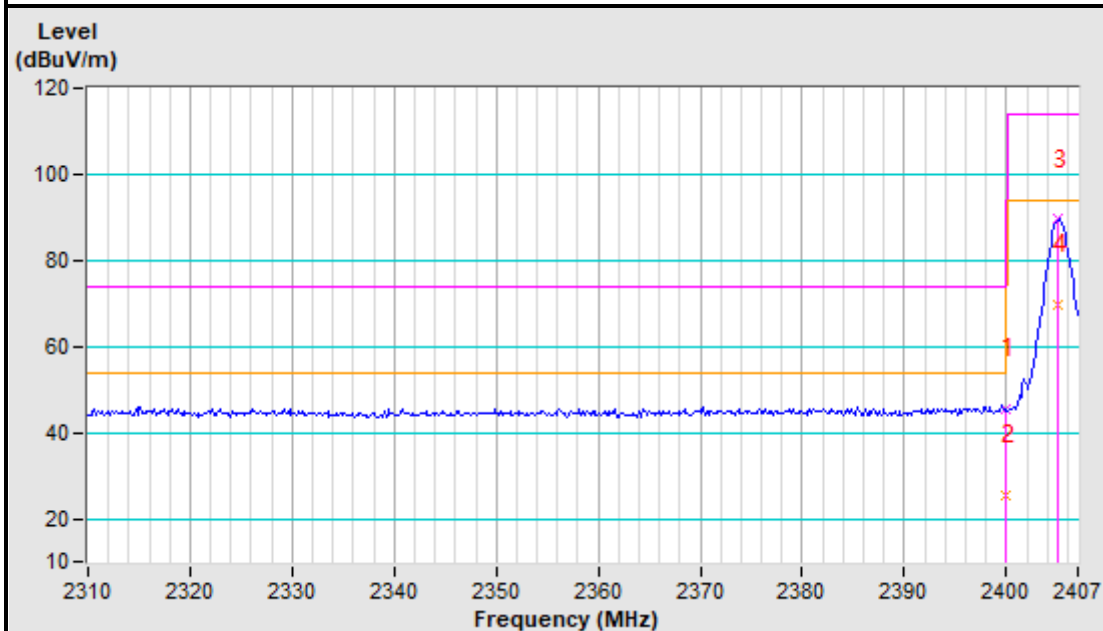
CHANNEL	TX Low Channel	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2400.00	45.34 PK	74.00	-28.66	136	204	43.07	2.27
2	2400.00	25.60 AV	54.00	-28.40	136	204	23.33	2.27
3	*2405.00	89.53 PK	114.00	-24.47	124	225	87.25	2.28
4	*2405.00	69.79 AV	94.00	-24.21	124	225	67.51	2.28
5	4810.00	45.66 PK	74.00	-28.34	105	51	39.78	5.88
6	4810.00	25.92 AV	54.00	-28.08	105	51	20.04	5.88
7	7215.00	48.66 PK	74.00	-25.34	172	119	40.75	7.91
8	7215.00	28.92 AV	54.00	-25.08	172	119	21.01	7.91
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	2390.82	52.45 PK	74.00	-21.55	106	69	50.20	2.25
2	2390.82	32.71 AV	54.00	-21.29	106	69	30.46	2.25
3	2400.00	45.11 PK	74.00	-28.89	172	69	42.84	2.27
4	2400.00	25.37 AV	54.00	-28.63	172	69	23.10	2.27
5	*2405.00	91.11 PK	114.00	-22.89	188	54	88.83	2.28
6	*2405.00	71.37 AV	94.00	-22.63	188	54	69.09	2.28
7	4810.00	45.11 PK	74.00	-28.89	152	11	39.23	5.88
8	4810.00	25.37 AV	54.00	-28.63	152	11	19.49	5.88
9	7215.00	48.48 PK	74.00	-25.52	193	35	40.57	7.91
10	7215.00	28.74 AV	54.00	-25.26	193	35	20.83	7.91

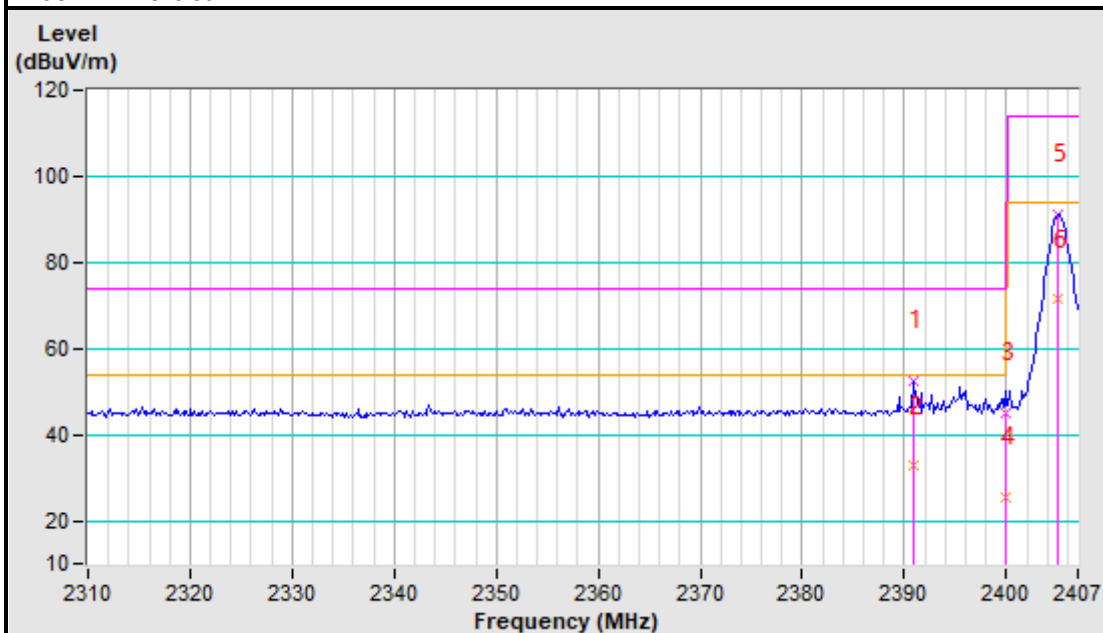
REMARK:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. Average value = PK Emission + 20*log (duty cycle) Where the duty factor is calculated from following formula: $20 \log (\text{Duty cycle}) = 20 \log (10.30\%) \approx -19.74 \text{ dB}$, Please see page 12 for plotted duty.
7. The frequency NO. 5, 6, 7, 8 or NO. 7, 8, 9, 10 in the table are marked with 1, 2, 3, 4 in the spectrum plot.

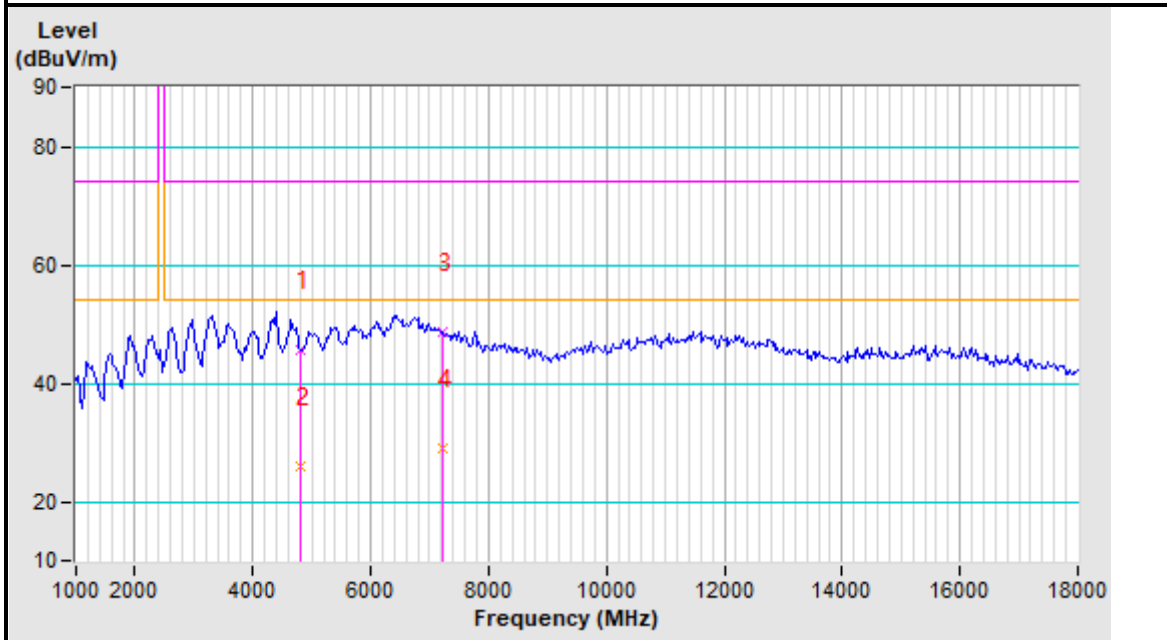
2405MHz Horizontal



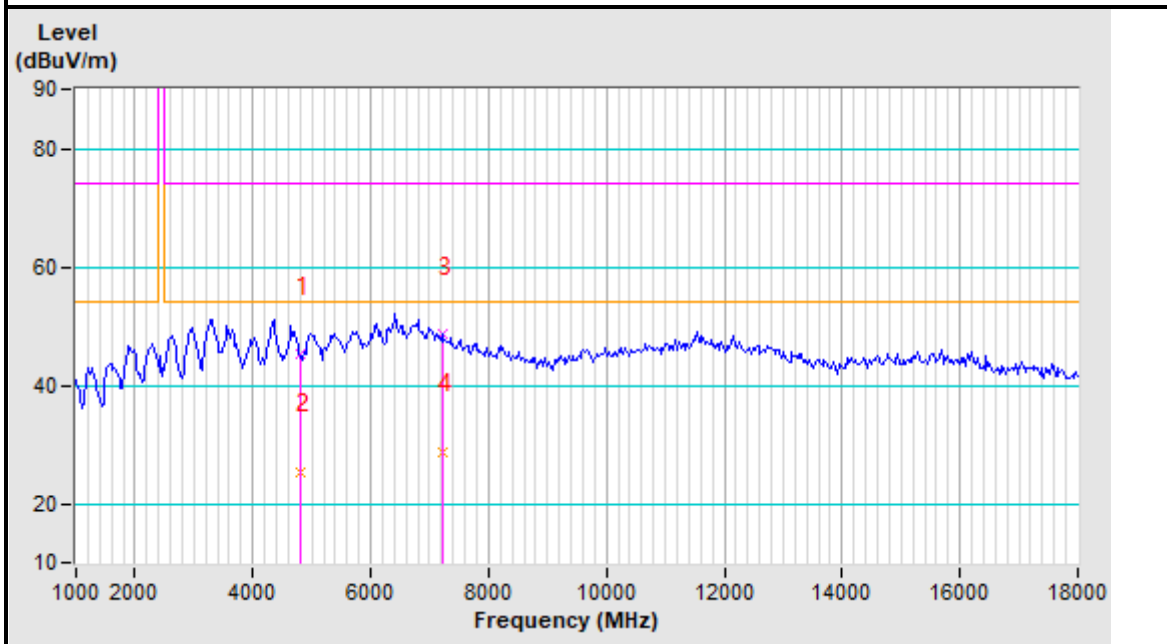
2405MHz Vertical



2405MHz Horizontal



2405MHz Vertical



Note: For 18GHz to 25GHz, the amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded.

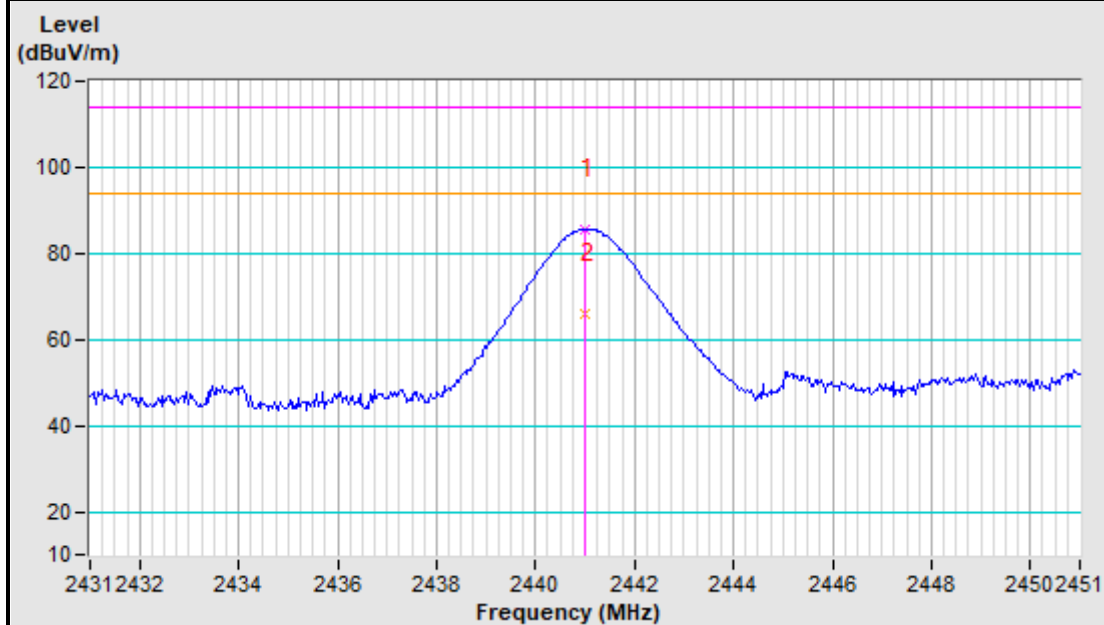
CHANNEL	TX Middle Channel	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2441.00	85.68 PK	114.00	-28.32	105	21	83.37	2.31
2	*2441.00	65.94 AV	94.00	-28.06	105	21	63.63	2.31
3	4882.00	45.01 PK	74.00	-28.99	163	24	39.28	5.73
4	4882.00	25.27 AV	54.00	-28.73	163	24	19.54	5.73
5	7323.00	47.99 PK	74.00	-26.01	130	224	40.43	7.56
6	7323.00	28.25 AV	54.00	-25.75	130	224	20.69	7.56
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2441.00	91.69 PK	114.00	-22.31	120	113	89.38	2.31
2	*2441.00	71.95 AV	94.00	-22.05	120	113	69.64	2.31
3	4882.00	45.73 PK	74.00	-28.27	152	114	40.00	5.73
4	4882.00	25.99 AV	54.00	-28.01	152	114	20.26	5.73
5	7323.00	47.28 PK	74.00	-26.72	199	64	39.72	7.56
6	7323.00	27.54 AV	54.00	-26.46	199	64	19.98	7.56

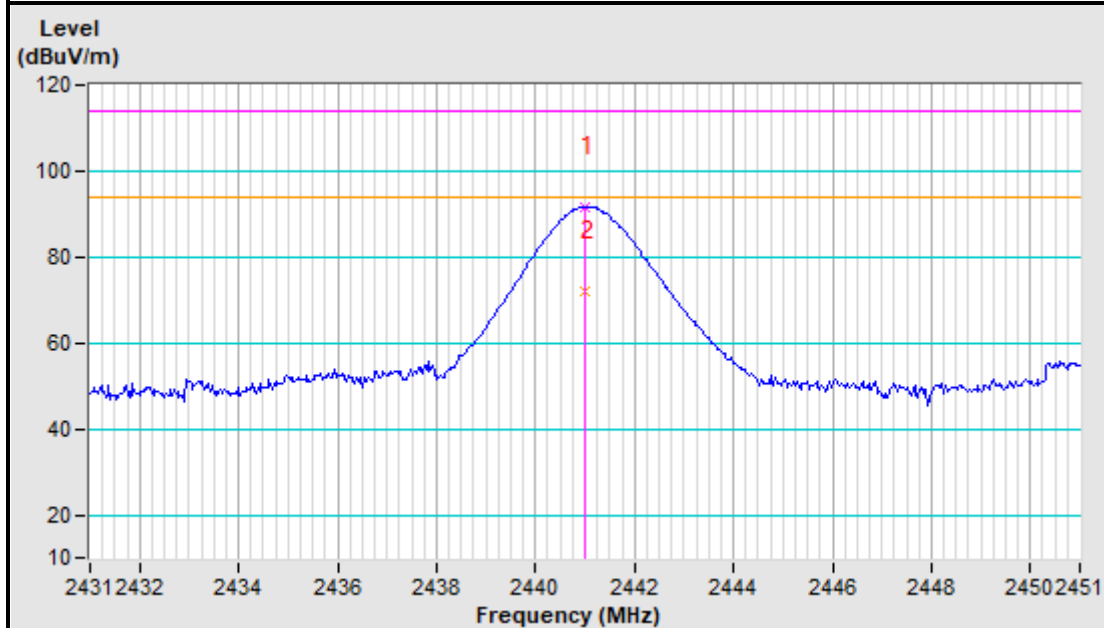
REMARKS:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. Average value = PK Emission + 20*log (duty cycle) Where the duty factor is calculated from following formula: $20 \log (\text{Duty cycle}) = 20 \log (10.30\%) \approx -19.74 \text{ dB}$, Please see page 12 for plotted duty.
7. The frequency NO. 3, 4, 5, 6 in the table are marked with 1, 2, 3, 4 in the spectrum plot.

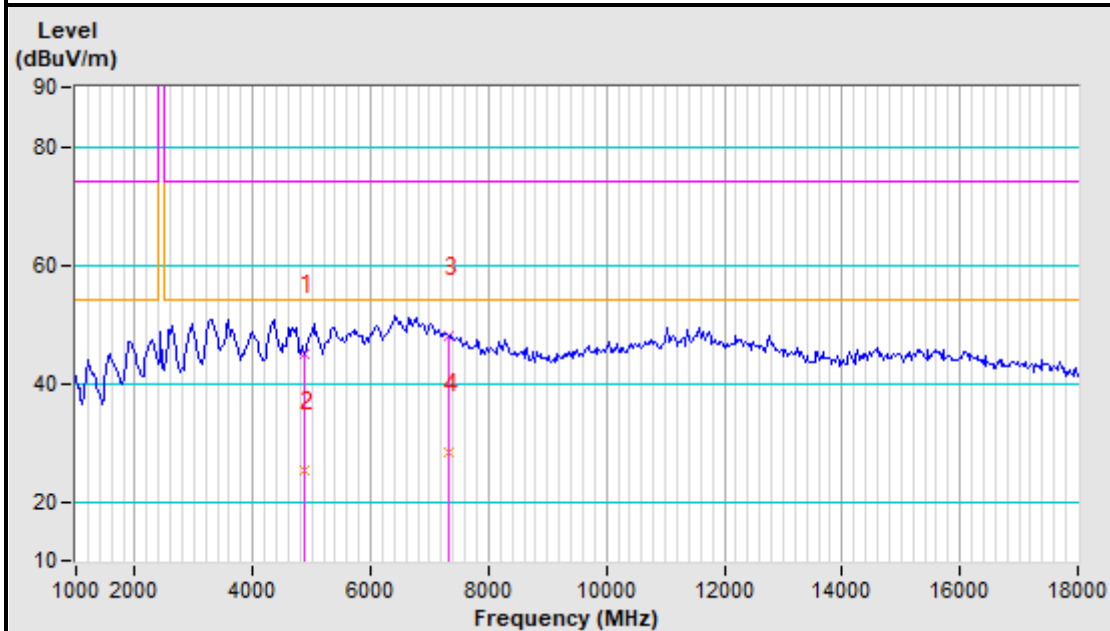
2441MHz Horizontal



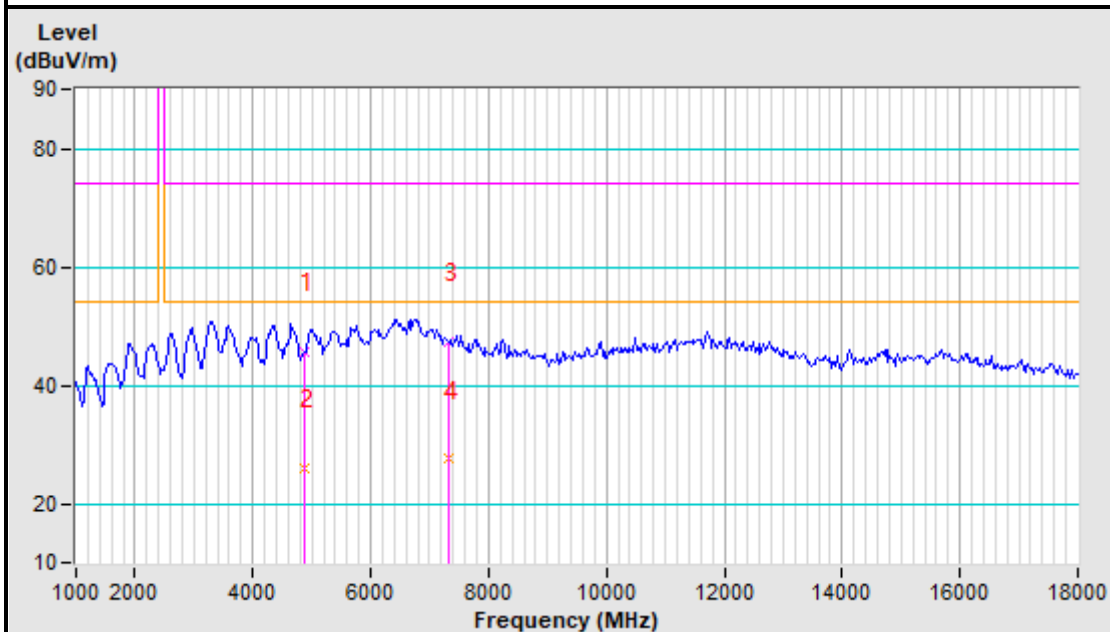
2441MHz Vertical



2441MHz Horizontal



2441MHz Vertical



Note: For 18GHz to 25GHz, the amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded.

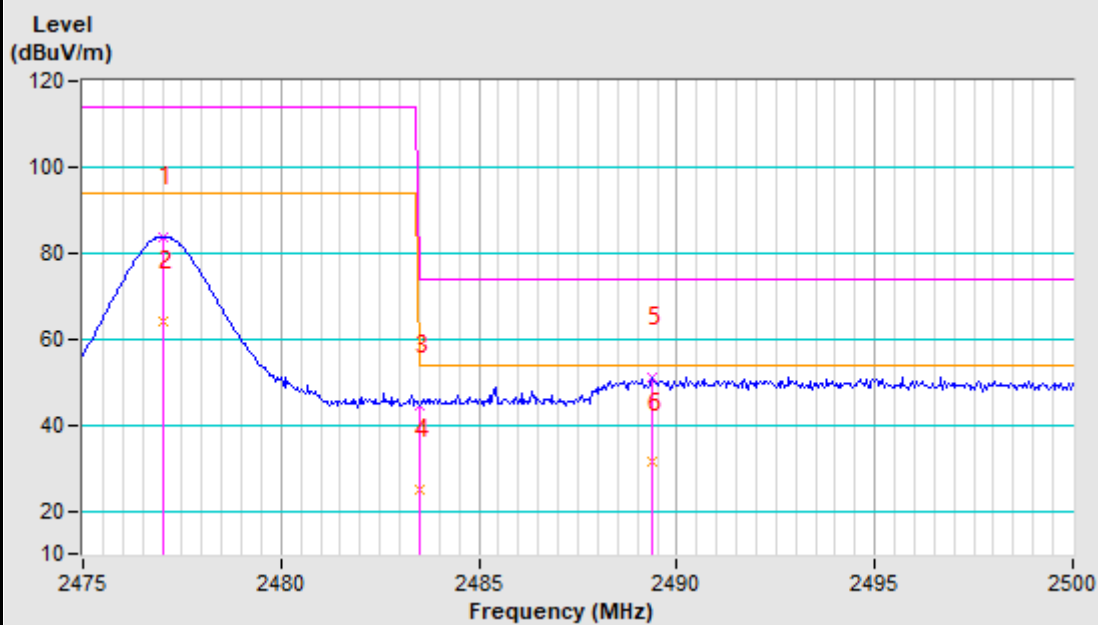
CHANNEL	TX High Channel	DETECTOR FUNCTION	Peak (PK)
FREQUENCY RANGE	1GHz ~ 25GHz		Average (AV)

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2477.00	83.86 PK	114.00	-30.14	155	24	81.50	2.36
2	*2477.00	64.12 AV	94.00	-29.88	155	24	61.76	2.36
3	2483.50	44.58 PK	74.00	-29.42	130	36	42.22	2.36
4	2483.50	24.84 AV	54.00	-29.16	130	36	22.48	2.36
5	2489.38	51.02 PK	74.00	-22.98	166	248	48.66	2.36
6	2489.38	31.28 AV	54.00	-22.72	166	248	28.92	2.36
7	4954.00	46.67 PK	74.00	-27.33	120	53	41.09	5.58
8	4954.00	26.93 AV	54.00	-27.07	120	53	21.35	5.58
9	7431.00	47.26 PK	74.00	-26.74	161	142	40.06	7.20
10	7431.00	27.52 AV	54.00	-26.48	161	142	20.32	7.20
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M								
NO.	FREQ. (MHz)	EMISSION LEVEL (dBuV/m)	LIMIT (dBuV/m)	MARGIN (dB)	ANTENNA HEIGHT (cm)	TABLE ANGLE (Degree)	RAW VALUE (dBuV)	CORRECTION FACTOR (dB/m)
1	*2477.00	87.15 PK	114.00	-26.85	105	148	84.79	2.36
2	*2477.00	67.41 AV	94.00	-26.59	105	148	65.05	2.36
3	2483.50	45.81 PK	74.00	-28.19	104	33	43.45	2.36
4	2483.50	26.07 AV	54.00	-27.93	104	33	23.71	2.36
5	2490.35	52.82 PK	74.00	-21.18	132	114	50.45	2.37
6	2490.35	33.08 AV	54.00	-20.92	132	114	30.71	2.37
7	4954.00	48.16 PK	74.00	-25.84	125	21	42.58	5.58
8	4954.00	28.42 AV	54.00	-25.58	125	21	22.84	5.58
9	7431.00	47.25 PK	74.00	-26.75	106	98	40.05	7.20
10	7431.00	27.51 AV	54.00	-26.49	106	98	20.31	7.20

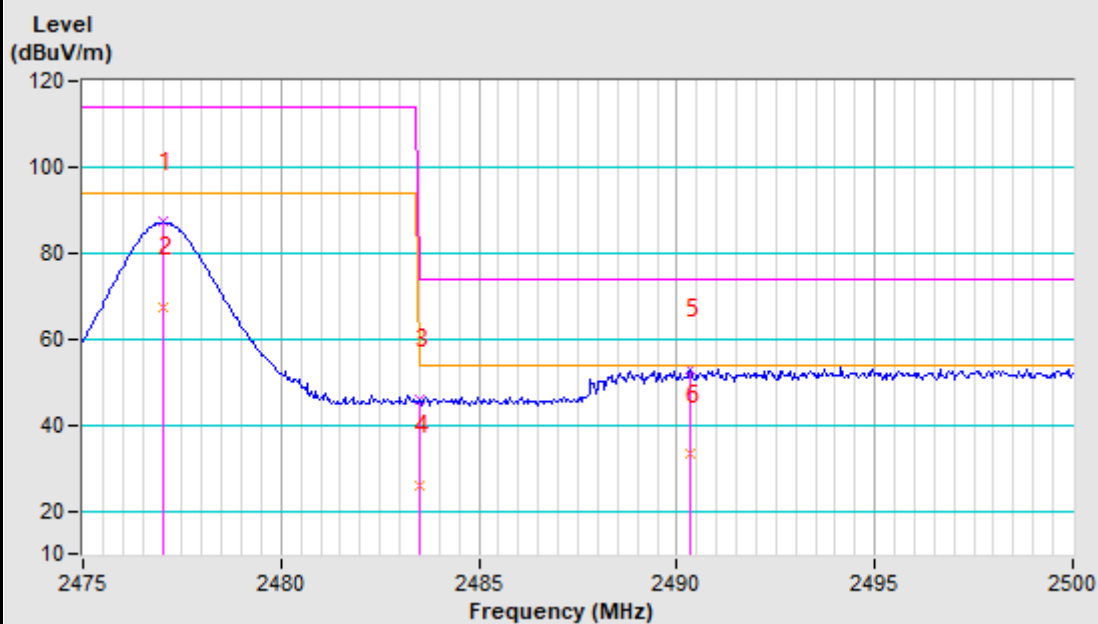
REMARK:

1. Emission level (dBuV/m) = Raw Value (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The emission levels of other frequencies were greater than 20dB margin.
4. Margin value = Emission level – Limit value.
5. " * ": Fundamental frequency.
6. Average value = PK Emission + 20*log (duty cycle) Where the duty factor is calculated from following formula: $20 \log (\text{Duty cycle}) = 20 \log (10.30\%) \approx -19.74 \text{ dB}$, Please see page 12 for plotted duty.
7. The frequency NO. 7, 8, 9, 10 in the table are marked with 1, 2, 3, 4 in the spectrum plot.

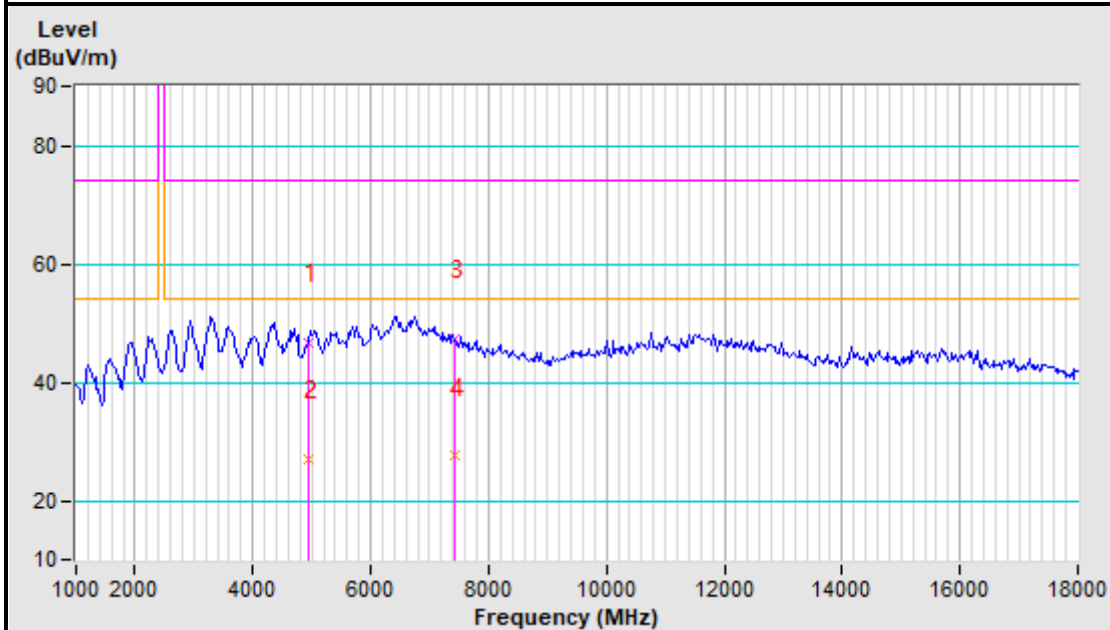
2477MHz Horizontal



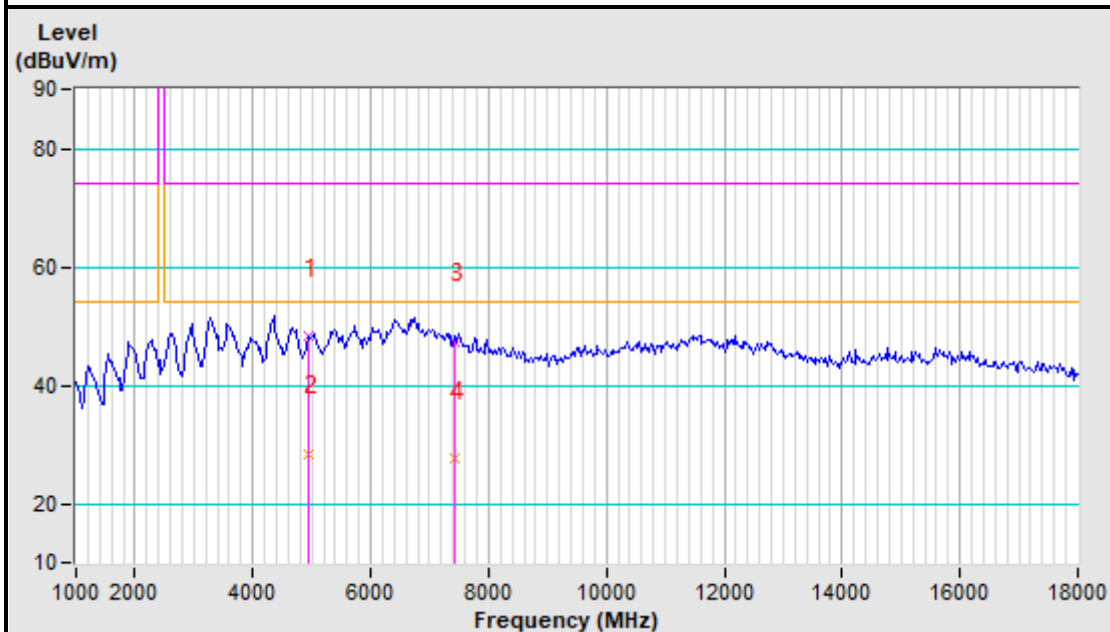
2477MHz Vertical



2477MHz Horizontal



2477MHz Vertical



Note: For 18GHz to 25GHz, the amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be recorded.

4.3 20dB BANDWIDTH MEASUREMENT

4.3.1 LIMITS OF 20dB BANDWIDTH MEASUREMENT

According to FCC 15.215(c), must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated.

4.3.2 TEST INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Next Cal.
Power Sensor	Keysight	U2021XA	MY57320002	Apr. 08, 27
Digital Multimeter	FLUKE	15B	12151063	Apr. 07, 27
Humid & Temp Programmable Tester	Haida	HD-225T	110807201	Oct. 10, 26
Signal and Spectrum Analyzer	Rohde&Schwarz	FSV40	101003	Oct. 09, 26
Signal Generator	Agilent	N5183A	MY50140980	Jul. 02, 27
MXG-B RF Vector Signal Generator	Keysight	N5182B	MY56200288	Jul. 02, 27
Attenuator	MINI	BW-S10W2+	S130129FGE2	Jul. 02, 27
DC Source	Rohde&Schwarz	HMP2020	101295	Apr. 07, 27
Test software	ADT	ADT_RF Test Software V6.6.5.3	N/A	N/A

NOTE:

1. The test was performed in RF Oven room.
2. Equipment are calibrated by calibration laboratory accredited to ISO/IEC 17025 by a mutually recognized Accreditation and all tests are conducted within a valid calibration cycle.
3. Test Site: No. 96, Guantai Road (Houjie Section), Houjie Town, Dongguan City, Guangdong Province. 523942. People's Republic of China.

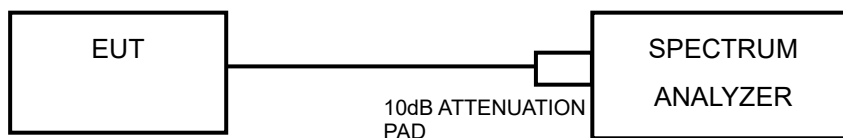
4.3.3 TEST PROCEDURE

- a. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
- b. Turn on the EUT and connect it to measurement instrument. Then set it to any one convenient frequency within its operating range. Set a reference level on the measuring instrument equal to the highest peak value.
- c. Measure the frequency difference of two frequencies that were attenuated 20dB from the reference level. Record the frequency difference as the emission bandwidth.
- d. Repeat above procedures until all frequencies measured were complete.

4.3.4 DEVIATION FROM TEST STANDARD

No deviation.

4.3.5 TEST SETUP



4.3.6 EUT OPERATING CONDITIONS

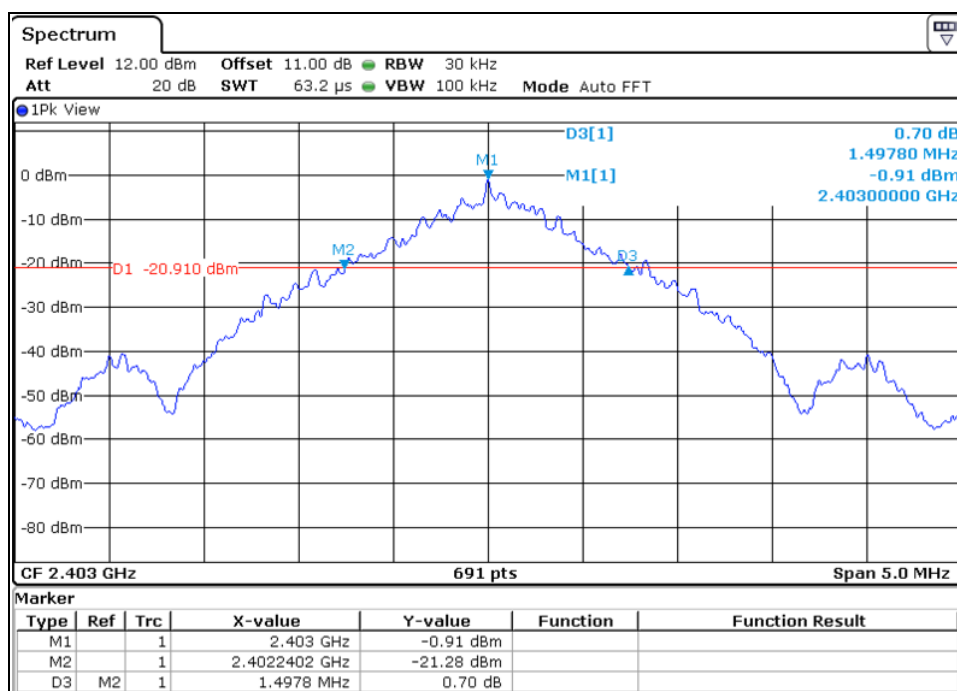
- a) Turned on the power of all equipment.
- b) EUT was operated according to the type used was description in manufacturer's specifications or the User's Manual.

4.3.7 TEST RESULTS

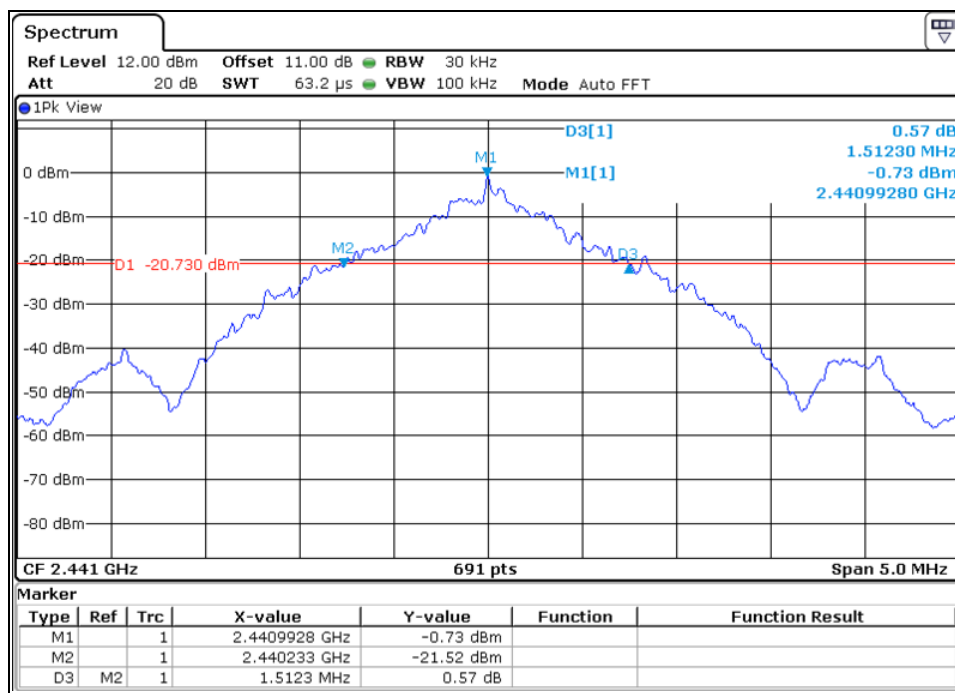
For GFSK 2Mbps:

CHANNEL	CHANNEL FREQUENCY (MHz)	20dB BANDWIDTH (MHz)
Low	2403	1.498
Middle	2441	1.512
High	2480	1.541

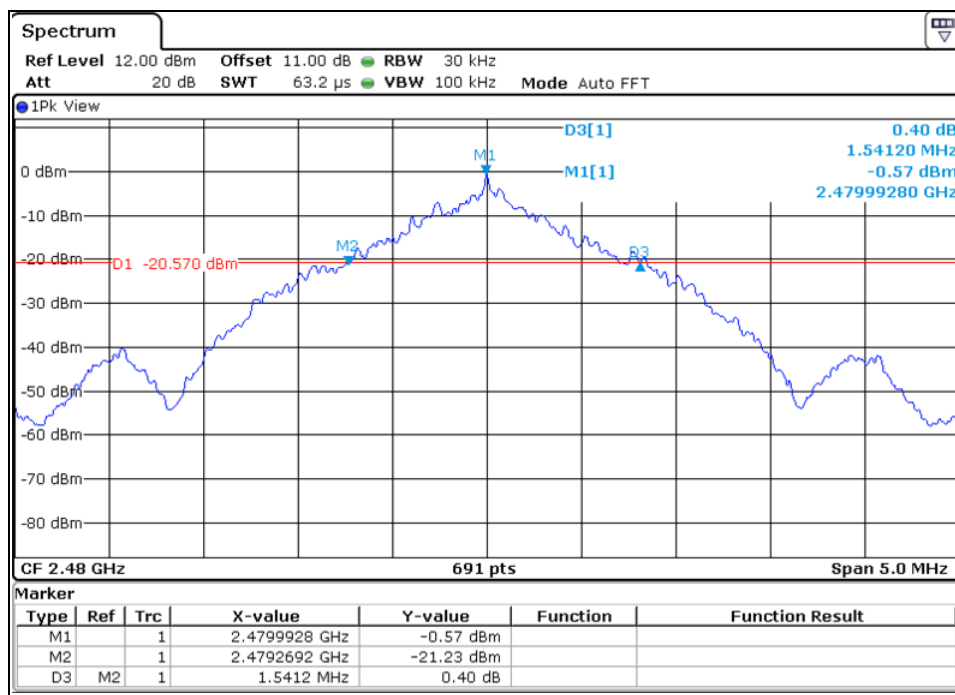
Test Data: Low channel



Test Data: Middle channel



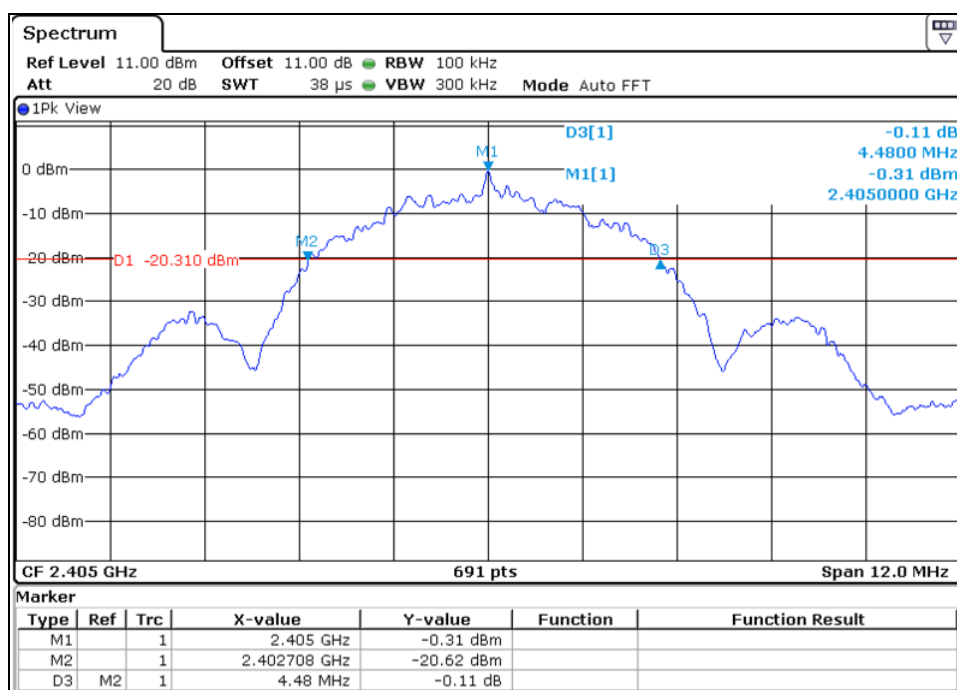
Test Data: High channel



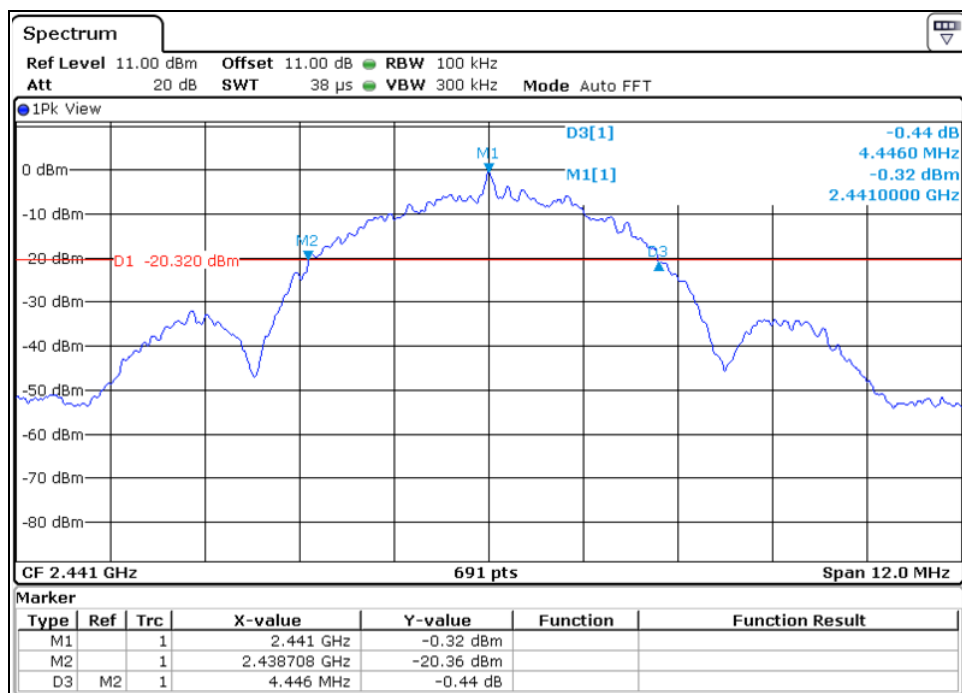
For GFSK 4Mbps:

CHANNEL	CHANNEL FREQUENCY (MHz)	20dB BANDWIDTH (MHz)
Low	2405	4.480
Middle	2441	4.446
High	2477	4.411

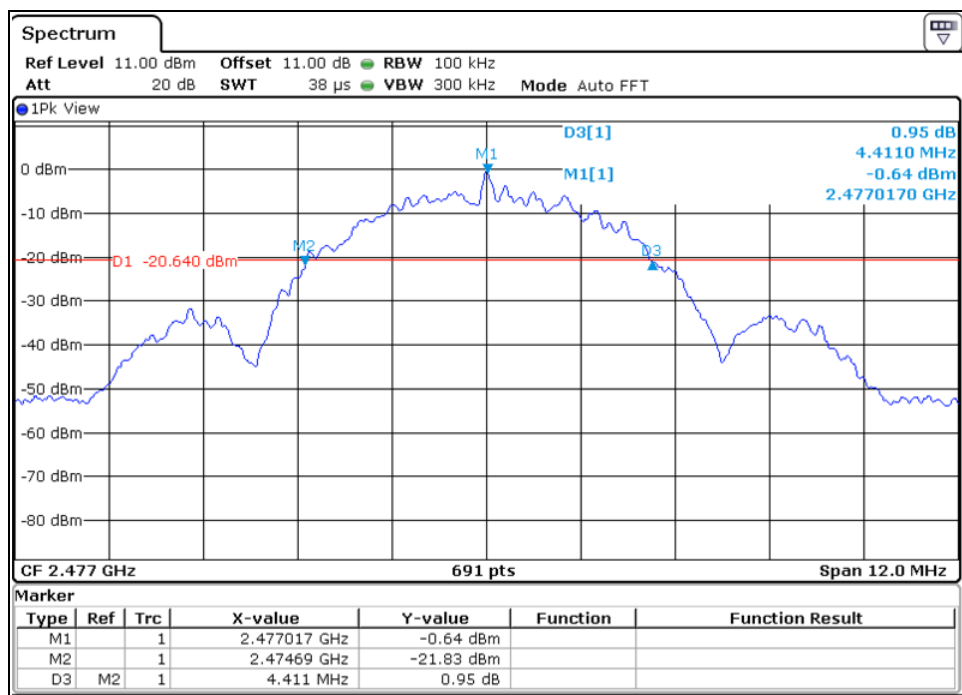
Test Data: Low channel



Test Data: Middle channel



Test Data: High channel



5. PHOTOGRAPHS OF THE TEST CONFIGURATION

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

6. APPENDIX A - MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

---END---