

FCC Radio Test Report

FCC ID: 2AXXD-MLBT2101**The report concerns: Original Grant**

Report Reference No.....: 20EFCS12046 0021

Date Sample(s) Received.....: 2020-12-10

Date of Tested.....: From 2020-12-17 to 2021-01-04

Date of issue.....: 2021-01-05

Testing Laboratory: DongGuan ShuoXin Electronic Technology Co., Ltd.

Address: Zone A, 1F, No. 6, XinGang Road YuanGang Street,
XinAn District, ChangAn Town, DongGuan City,
GuangDong, China

Applicant's name: Musilab Electronic (DongGuan) Co., Ltd

Address: No.5 Huanwei Street, Fugang, Qingxi Town,
Dongguan, Guangdong, China

Manufacturer.....: Musilab Electronic (DongGuan) Co., Ltd

Equipment.....: BT Wireless HiFi speaker

Trade Mark: **Musilab® Audio**

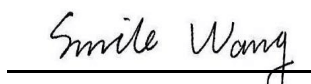
Model: BT210,BT210T, BT208,BT208T,BT218,BT218T

Ratings: I/P: AC100-240V 50/60Hz
O/P: Speaker Power Output: 36 Watts Rms

Test Engineer:


Blue Qiu

Responsible Engineer :


Smile Wang

Authorized Signatory:

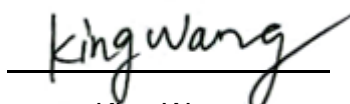

King Wang

Table of Contents	Page
1 . TEST REPORT DECLARE	5
2 . SUMMARY OF TEST RESULTS	6
2.1 MEASUREMENT UNCERTAINTY	7
3 . GENERAL INFORMATION	8
3.1 GENERAL DESCRIPTION OF EUT	8
3.2 DESCRIPTION OF TEST MODES	10
3.3 PARAMETERS OF TEST SOFTWARE	11
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	11
3.5 SUPPORT UNITS	11
3.6 TEST ENVIRONMENT CONDITIONS	12
4 . AC POWER LINE CONDUCTED EMISSIONS TEST	13
4.1 LIMIT	13
4.2 TEST PROCEDURE	13
4.3 MEASUREMENT INSTRUMENTS LIST	13
4.4 TESTSETUP	14
4.5 EUT OPERATING CONDITIONS	14
4.6 TEST RESULTS	15
5 . RADIATED EMISSION TEST	17
5.1 LIMIT	17
5.2 TEST PROCEDURE AND SETTING	18
5.3 MEASUREMENT INSTRUMENTS LIST	19
5.4 TESTSETUP	19
5.5 EUT OPERATING CONDITIONS	20
5.6 TEST RESULTS - 9 KHZ TO 30MHZ	21
5.7 TEST RESULTS- 30 MHZ TO 1000MHZ	22
5.8 TEST RESULTS - ABOVE 1000MHZ(BAND EDGE)	24
5.9 TEST RESULTS - ABOVE 1000MHZ(HARMONIC)	32
6 . NUMBER OF HOPPING FREQUENCY	44
6.1 LIMIT	44
6.2 TEST PROCEDURE AND SETTING	44
6.3 MEASUREMENT INSTRUMENTS LIST	44
6.4 TEST SETUP	44

Table of Contents	Page
6.5 EUT OPERATION CONDITIONS	44
6.6 TEST RESULTS	45
7 . AVERAGE TIME OF OCCUPANCY	46
7.1 LIMIT	46
7.2 TEST PROCEDURE AND SETTING	46
7.3 MEASUREMENT INSTRUMENTS LIST	46
7.4 TEST SETUP	46
7.5 EUT OPERATION CONDITIONS	46
7.6 TEST RESULTS	47
8 . HOPPING CHANNEL SEPARATION MEASUREMENT	49
8.1 LIMIT	49
8.2 TEST PROCEDURE AND SETTING	49
8.3 MEASUREMENT INSTRUMENTS LIST	49
8.4 TEST SETUP	49
8.5 EUT OPERATION CONDITIONS	49
8.6 TEST RESULTS	50
9 . BANDWIDTH TEST	52
9.1 LIMIT	52
9.2 TEST PROCEDURE AND SETTING	52
9.3 MEASUREMENT INSTRUMENTS LIST	52
9.4 TEST SETUP	52
9.5 EUT OPERATION CONDITIONS	52
9.6 TEST RESULTS	53
10 . MAXIMUM OUTPUT POWER	55
10.1 LIMIT	55
10.2 TEST PROCEDURE AND SETTING	55
10.3 MEASUREMENT INSTRUMENTS LIST	55
10.4 TEST SETUP	55
10.5 EUT OPERATION CONDITIONS	55
10.6 TEST RESULTS	56
11 . CONDUCTED SPURIOUS EMISSION	57
11.1 LIMIT	57
11.2 TEST PROCEDURE AND SETTING	57
11.3 MEASUREMENT INSTRUMENTS LIST	57

Table of Contents	Page
11.4 TEST SETUP	57
11.5 EUT OPERATION CONDITIONS	57
11.6 TEST RESULTS	58

1. TEST REPORT DECLARE

Applicant	Musilab Electronic (DongGuan) Co., Ltd
Address	No.5 Huanwei Street,Fugang,Qingxi Town, Dongguan,Guangdong,China
Manufacturer	Musilab Electronic (DongGuan) Co., Ltd
Address	No.5 Huanwei Street,Fugang,Qingxi Town, Dongguan,Guangdong,China
Factory	Musilab Electronic (DongGuan) Co., Ltd
Address	No.5 Huanwei Street,Fugang,Qingxi Town, Dongguan,Guangdong,China
Equipment	BT Wireless HiFi speaker
Model No.	BT210/BT210T/ BT208/BT208T/BT218/BT218T
Trade Mark	Musilab® Audio
Standard	FCC Part15, Subpart C (15.247) ANSI C63.10-2013

We Declare:

The equipment described above is tested by DongGuan ShuoXin Electronic Technology Co., Ltd(ATT). and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and DongGuan ShuoXin Electronic Technology Co., Ltd.(ATT) is assumed of full responsibility for the accuracy and completeness of these tests.

ATT is not responsible for the sampling stage, so the results only apply to the sample as received.

ATT's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. ATT shall have no liability for any declarations, inferences or generalizations drawn by the client or others from ATT issued reports.

2. SUMMARY OF TEST RESULTS

The EUT have been tested according to the applicable standards as referenced below:

Standard(s) Section		Test Item	Judgment	Remark
FCC	ISED			
15.207	-	AC Power Line Conducted Emissions	PASS	-----
15.247(d) 15.205(a) 15.209(a)	-	Radiated Emission	PASS	-----
15.247(a)(1)(iii)	-	Number of Hopping Frequency	PASS	-----
15.247(a)(1)(iii)	-	Average Time Of Occupancy	PASS	-----
15.247(a)(1)	-	Hopping Channel Separation	PASS	-----
15.247(a)(1)	-	Bandwidth	PASS	-----
15.247(a)(1)	-	Maximum Output Power	PASS	-----
15.247(d)	-	Conducted Spurious Emission	PASS	-----
-	-	Frequency Stability	PASS	-----
15.203	-	Antenna Requirement	PASS	Note(2)

Note:

- (1) "N/A" denotes test is not applicable in this test report
- (2) The device what use a permanently attached antenna were considered sufficient to comply with the provisions of 15.203.

2.1 MEASUREMENT UNCERTAINTY

Test Item	Uncertainty
Uncertainty for Conduction emission test (9kHz-150kHz)	3.7 dB
Uncertainty for Conduction emission test (150kHz-30MHz)	3.3 dB
Uncertainty for Radiation Emission test (30MHz-200MHz)	4.60 dB (Polarize: V)
	4.60 dB (Polarize: H)
Uncertainty for Radiation Emission test (200MHz-1GHz)	6.10 dB (Polarize: V)
	5.08 dB (Polarize: H)
Uncertainty for Radiation Emission test (1GHz-6GHz)	5.01 dB (Polarize: V)
	5.01 dB (Polarize: H)
Uncertainty for Radiation Emission test (6GHz-18GHz)	5.26 dB (Polarize: V)
	5.26 dB (Polarize: H)
Uncertainty for Radiation Emission test (18GHz-40GHz)	5.06 dB (Polarize: V)
	5.06 dB (Polarize: H)
Uncertainty for radio frequency	$\pm 0.048\text{kHz}$
Uncertainty for conducted RF Power	$\pm 0.32\text{dB}$

Note:

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

Equipment	BT Wireless HiFi speaker	
Brand Name	Musilab[®] Audio	
Test Model	BT210/BT210T/ BT208/BT208T/BT218/BT218T	
Series Model	N/A	
Model Difference(s)	N/A	
Hardware Version	V1.0	
Software Version	V1.0	
PowerSource	Supplied from AC.	
Power Rating	I/P: AC100-240V 50/60Hz O/P: Speaker Power Output: 36 Watts Rms	
Operation Frequency	2402 MHz ~ 2480 MHz	
Modulation Technology	GFSK, $\pi/4$ -DQPSK	
Bit Rate of Transmitter	1Mbps /2Mbps	
Antenna Information	Antenna Type: PCB	Maximum Peak Gain:1.2dBi
Max. Output Power	1Mbps: -2.093dBm (0.000618W) 2Mbps: -1.440dBm (0.000718W)	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

2. Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

3.2 DESCRIPTION OF TEST MODES

The test system was pre-tested based on the consideration of all possible combinations of EUT operation mode.

Pretest Mode	Description
Mode 1	TX Mode NOTE (1)
Mode 2	TX Mode Channel 78 _2Mbps

Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 2	TX Mode Channel 78 _2Mbps

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 2	TX Mode Channel 78 _2Mbps

Radiated emissions test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX Mode NOTE (1)

Conducted test	
Final Test Mode	Description
Mode 1	TX Mode NOTE (1)

Note:

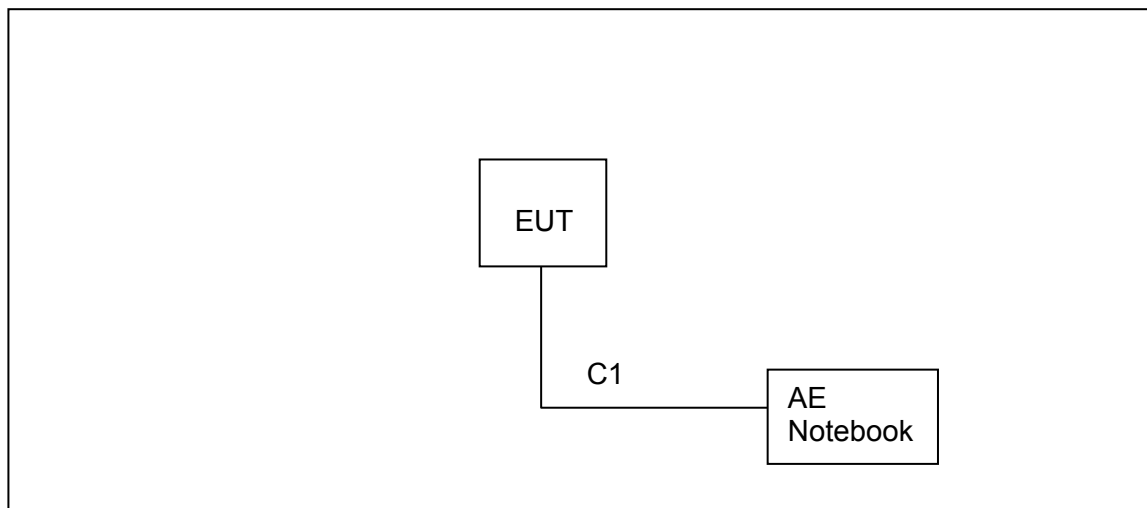
(1) The measurements are performed at the high, middle, low available channels.

3.3 PARAMETERS OF TEST SOFTWARE

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

Test Software	692FCC_assist		
Frequency (MHz)	2402	2441	2480
Parameters(1Mbps)	10	10	10
Parameters(2Mbps)	10	10	10

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
AE	Notebook	ACER	MS2367	32807810766

Item	Cable Type	Shielded Type	Ferrite Core	Length
C1	DC Cable	NO	NO	0.8m

3.6 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage
AC Power Line Conducted Emissions	25°C	53%	AC 120V
Radiated Emissions-9K-30MHz	25°C	60%	AC 120V
Radiated Emissions-30 MHz to 1GHz	24°C	68%	AC 120V
Radiated Emissions-Above 1000 MHz	24°C	68%	AC 120V
Number of Hopping Frequency	24.8°C	40.9%	AC 120V
Average Time Of Occupancy	24.8°C	40.9%	AC 120V
Hopping Channel Separation	24.8°C	40.9%	AC 120V
Bandwidth	24.8°C	40.9%	AC 120V
Maximum Output Power	24.8°C	40.9%	AC 120V
Conducted Spurious Emission	24.8°C	40.9%	AC 120V

4. AC POWER LINE CONDUCTED EMISSIONS TEST

4.1 LIMIT

Frequency of Emission (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15 - 0.50	66 to 56*	56 to 46*
0.50 - 5.0	56	46
5.0 - 30.0	60	50

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 kHz

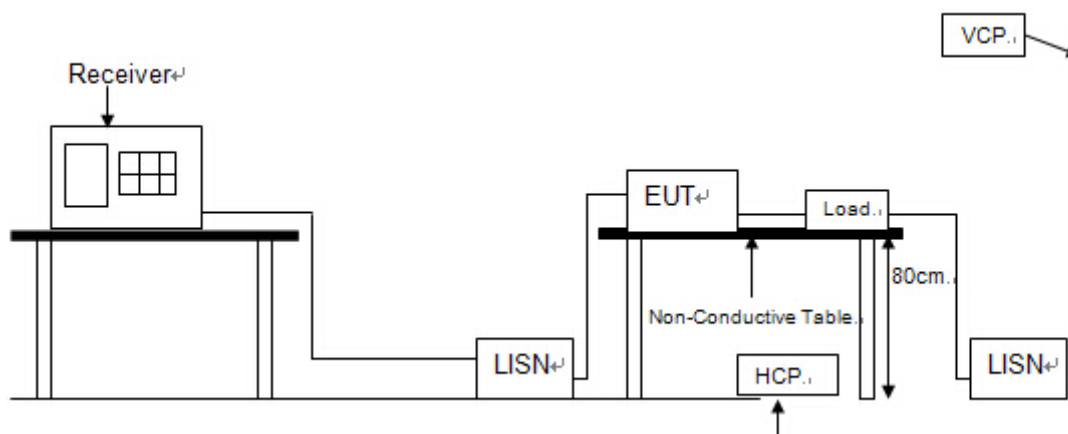
4.2 TEST PROCEDURE

- a. The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipment powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the groundplane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.

4.3 MEASUREMENT INSTRUMENTS LIST

Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Pulse Limiter	MTS-systemtechnik	MTS-IMP-136	261115-010-0024	12/11/2021
2	EMI Test Receiver	R&S	ESCI	101308	12/11/2021
3	LISN	AFJ	LS16	16011103219	06/09/2021
4	LISN	Schwarzbeck	NSLK 8127	8127-432	12/11/2021
5	Measurement Software	Farad	EZ-EMC (Ver.ATT-03A)	N/A	N/A

4.4 TESTSETUP

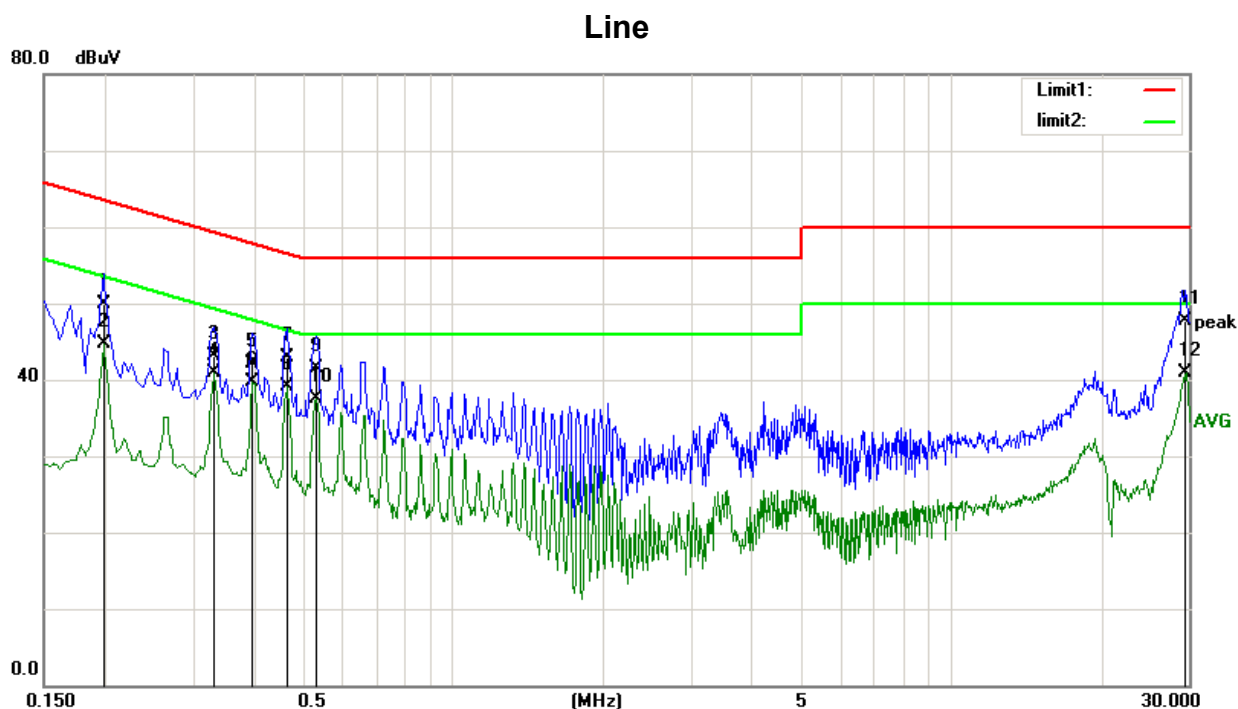


4.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical function (as a customer would normally use it), EUT was programmed to be in continuously transmitting data or hopping on mode.

4.6 TEST RESULTS

Test Mode: TX Mode Channel 78 _2Mbps



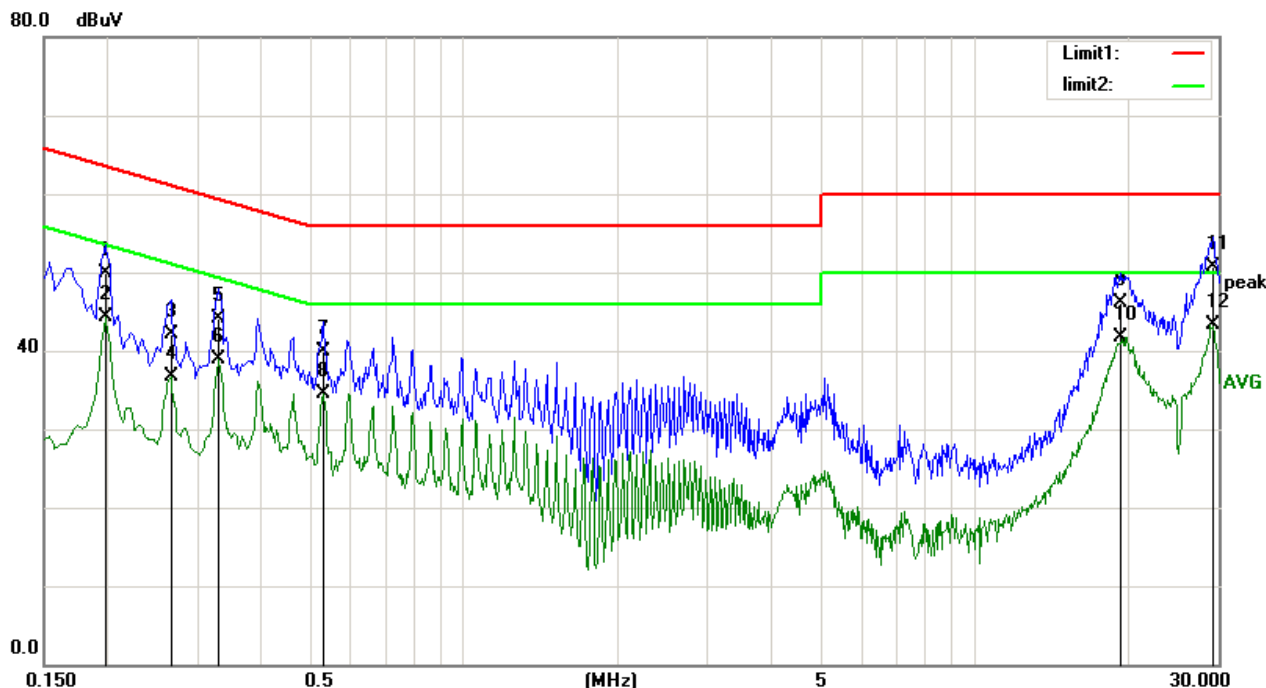
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1980	38.68	11.20	49.88	63.69	-13.81	QP
2	0.1980	33.57	11.20	44.77	53.69	-8.92	AVG
3	0.3300	32.55	10.48	43.03	59.45	-16.42	QP
4	0.3300	30.49	10.48	40.97	49.45	-8.48	AVG
5	0.3940	31.73	10.41	42.14	57.98	-15.84	QP
6	0.3940	29.22	10.41	39.63	47.98	-8.35	AVG
7	0.4620	32.54	10.33	42.87	56.66	-13.79	QP
8	0.4620	28.80	10.33	39.13	46.66	-7.53	AVG
9	0.5299	31.15	10.28	41.43	56.00	-14.57	QP
10	0.5299	27.32	10.28	37.60	46.00	-8.40	AVG
11	29.6140	37.47	10.21	47.68	60.00	-12.32	QP
12	29.6140	30.70	10.21	40.91	50.00	-9.09	AVG

Remarks:

- (1) Measurement Value = Reading Level + Correct Factor.
 (2) Margin Level = Measurement Value - Limit Value.

Test Mode: TX Mode Channel 78 _2Mbps

Neutral



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1980	38.65	11.20	49.85	63.69	-13.84	QP
2	0.1980	33.16	11.20	44.36	53.69	-9.33	AVG
3	0.2660	31.41	10.74	42.15	61.24	-19.09	QP
4	0.2660	25.96	10.74	36.70	51.24	-14.54	AVG
5	0.3300	33.64	10.48	44.12	59.45	-15.33	QP
6	0.3300	28.33	10.48	38.81	49.45	-10.64	AVG
7	0.5299	29.60	10.28	39.88	56.00	-16.12	QP
8	0.5299	24.26	10.28	34.54	46.00	-11.46	AVG
9	19.2619	35.90	10.22	46.12	60.00	-13.88	QP
10	19.2619	31.46	10.22	41.68	50.00	-8.32	AVG
11	29.2220	40.53	10.21	50.74	60.00	-9.26	QP
12	29.2220	33.05	10.21	43.26	50.00	-6.74	AVG

Remarks:

(1) Measurement Value = Reading Level + Correct Factor.

(2) Margin Level = Measurement Value - Limit Value.

5. RADIATED EMISSION TEST

5.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a) & RSS-Gen 8.10, then the 15.209(a) & RSS-Gen 8.9 limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-1000MHz)

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (9 kHz-30 MHz)

Frequency (MHz)	Magnetic field strength (H-Field) ($\mu\text{A/m}$)	Measurement Distance (meters)
0.009-0.490	6.37/F(kHz)	300
0.490-1.705	6.37/F(kHz)	30
1.705-30.0	0.08	30

LIMITS OF RADIATED EMISSION MEASUREMENT (30 MHz-1000MHz)

Frequency (MHz)	Field Strength ($\mu\text{V/m}$ at 3m)
30-88	100
88-216	150
216-960	200
Above 960	500

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	(dBuV/m at 3 m)	
	Peak	Average
Above 1000	74	54

Note:

- (1) The limit for radiated test was performed according to FCC PART 15C and RSS-247.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m) = $20 \log$ Emission level (uV/m).

5.2 TEST PROCEDURE AND SETTING

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. 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 find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. The test result is calculated as the following:
 - (1) Result = Reading + Correct Factor
 - (2) Correct Factor = Antenna Factor + Cable Loss – Amplifier Gain + Attenuator
 - (3) Margin = Result - Limit

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	RBW 1MHz VBW 3MHz peak detector for Pk value RMS detector for AV value

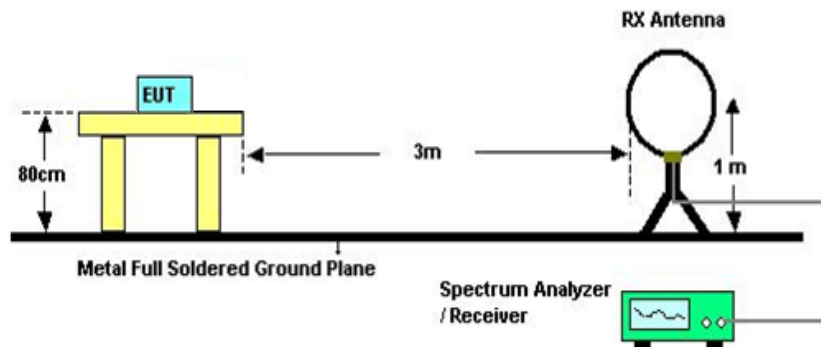
Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

5.3 MEASUREMENT INSTRUMENTS LIST

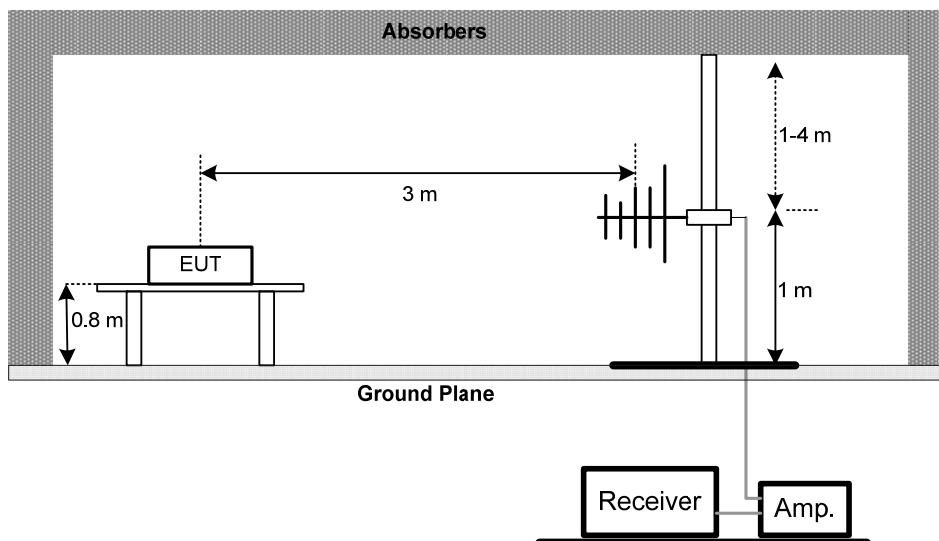
Item	Equipment	Manufacturer	Model No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	101307	12/12/2021
2	Spectrum Analyzer	Agilent	E4407B	US40240708	11/17/2021
3	Loop antenna	SCHWARZBECK K	FMZB1519	1519-062	12/14/2021
4	Broadband antenna	SCHWARZBECK	VULB9168	VULB9168-192	03/22/2021
5	HORN ANTENNA	SCHWARZBECK	BBHA9120D	9120D 1065	04/21/2021
6	Preamplifier Amplifier	HP	8447F	3113A05680	12/11/2021
7	PRE-AMPLIFIER	CY	EMC011830	980136	12/11/2021
8	RF Cable	R&S	Test Cable 4	4	12/11/2021
9	RF Cable	R&S	Test Cable 5	5	12/11/2021
10	RF Cable	R&S	Test Cable 9	9	04/22/2021
11	RF Cable	R&S	Test Cable 10	10	12/11/2021
12	Measurement Software	Farad	EZ-EMC (Ver.ATT-03A)	N/A	N/A

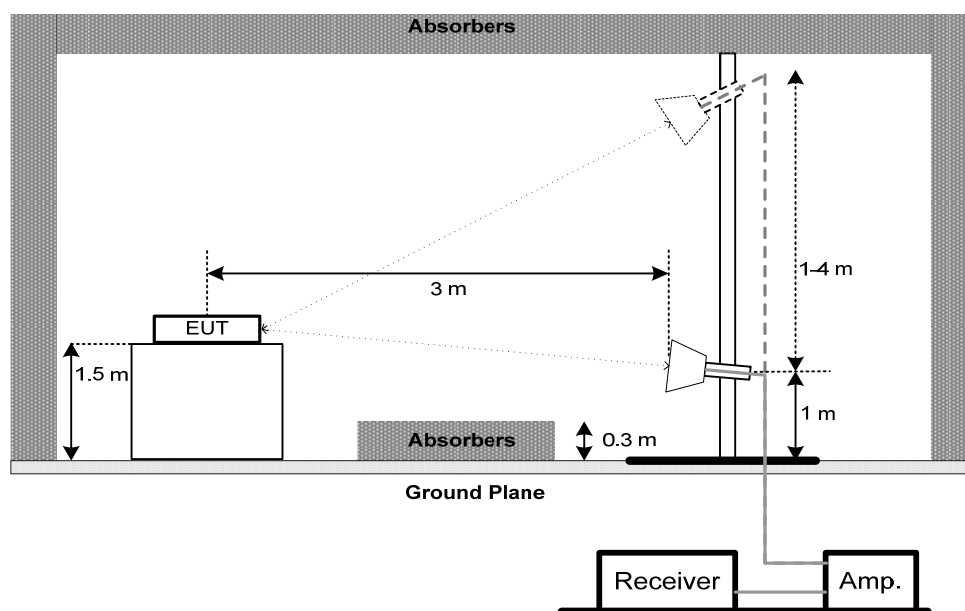
5.4 TESTSETUP

9 kHz-30 MHz



30 MHz to 1 GHz



Above 1 GHz**5.5 EUT OPERATING CONDITIONS**

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS - 9 kHz TO 30MHz

Test Mode:	TX Mode Channel 78 _2Mbps
------------	---------------------------

Freq.	Reading	Limit	Margin	State
(MHz)	(dBuV/m)	(dBuV/m)	(dB)	P/F
--	--	--	--	P
--	--	--	--	P

Note:

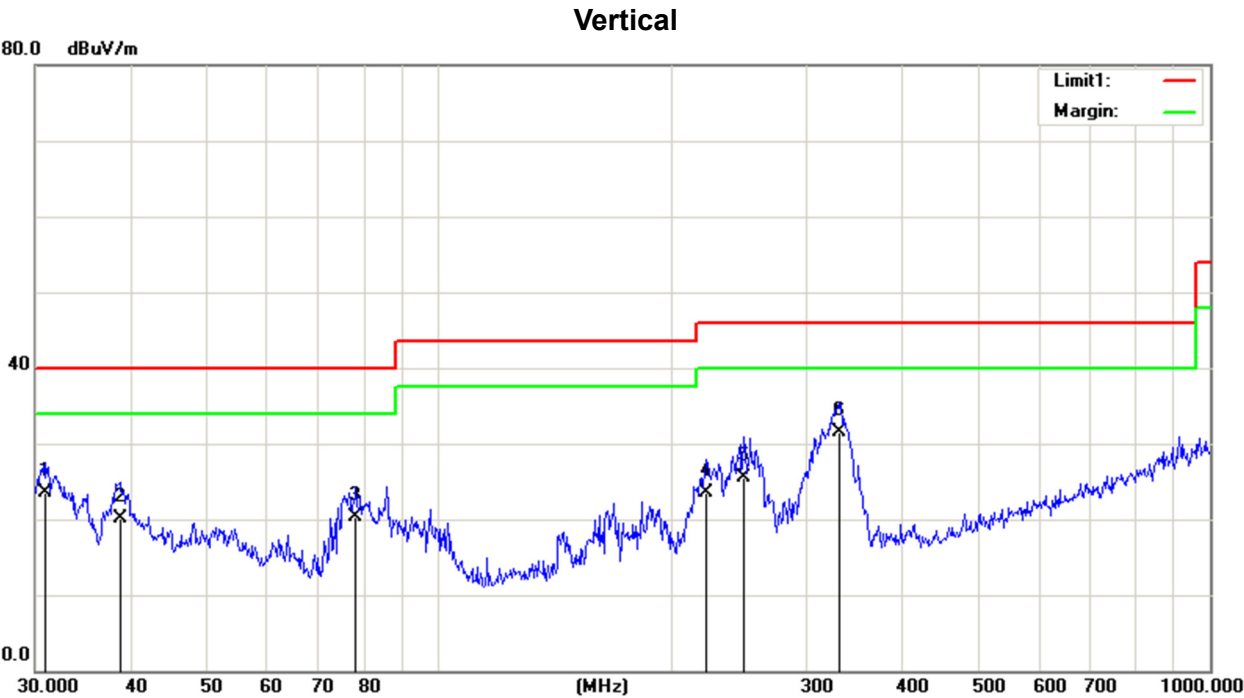
The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor = $20 \log (\text{specific distance/test distance})(\text{dB})$;

Limit line = specific limits(dBuv) + distance extrapolation factor

5.7 TEST RESULTS- 30 MHz TO 1000MHz

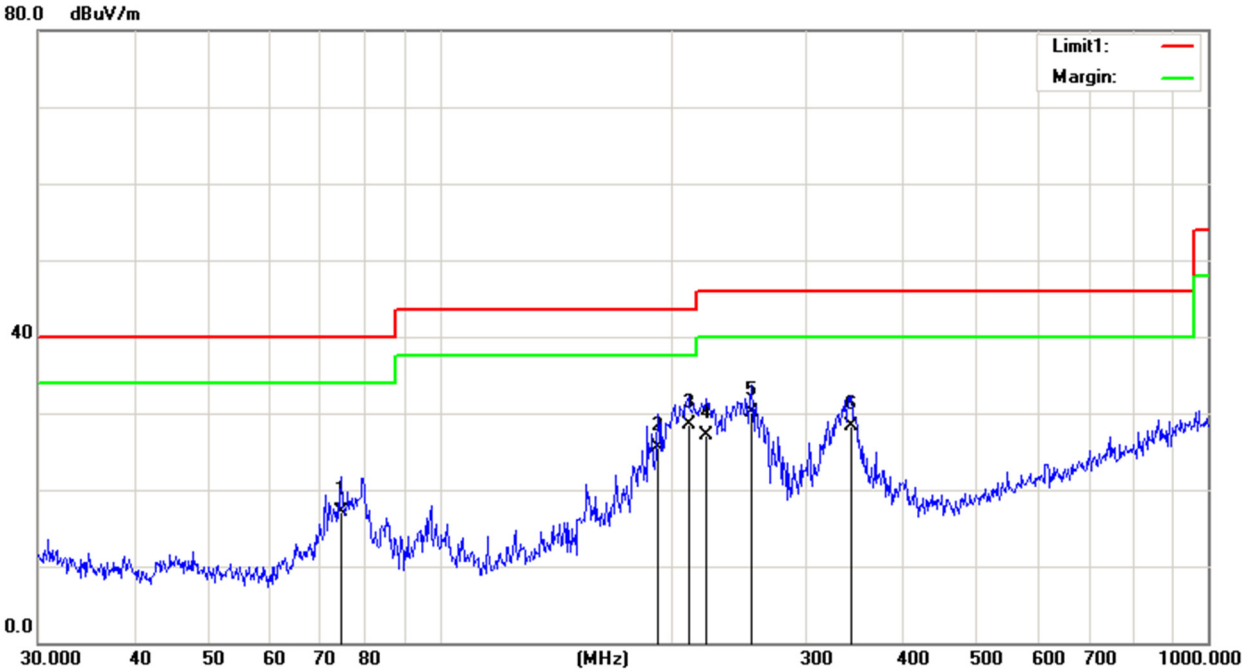
Test Mode: TX Mode Channel 78 _2Mbps



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	30.9618	35.22	-11.62	23.60	40.00	-16.40	QP
2	38.6160	33.18	-13.02	20.16	40.00	-19.84	QP
3	78.1389	35.58	-15.22	20.36	40.00	-19.64	QP
4	222.1698	33.34	-9.89	23.45	46.00	-22.55	QP
5	248.5518	34.38	-8.78	25.60	46.00	-20.40	QP
6	330.1949	39.58	-8.17	31.41	46.00	-14.59	QP

Test Mode: TX Mode Channel 78 _2Mbps

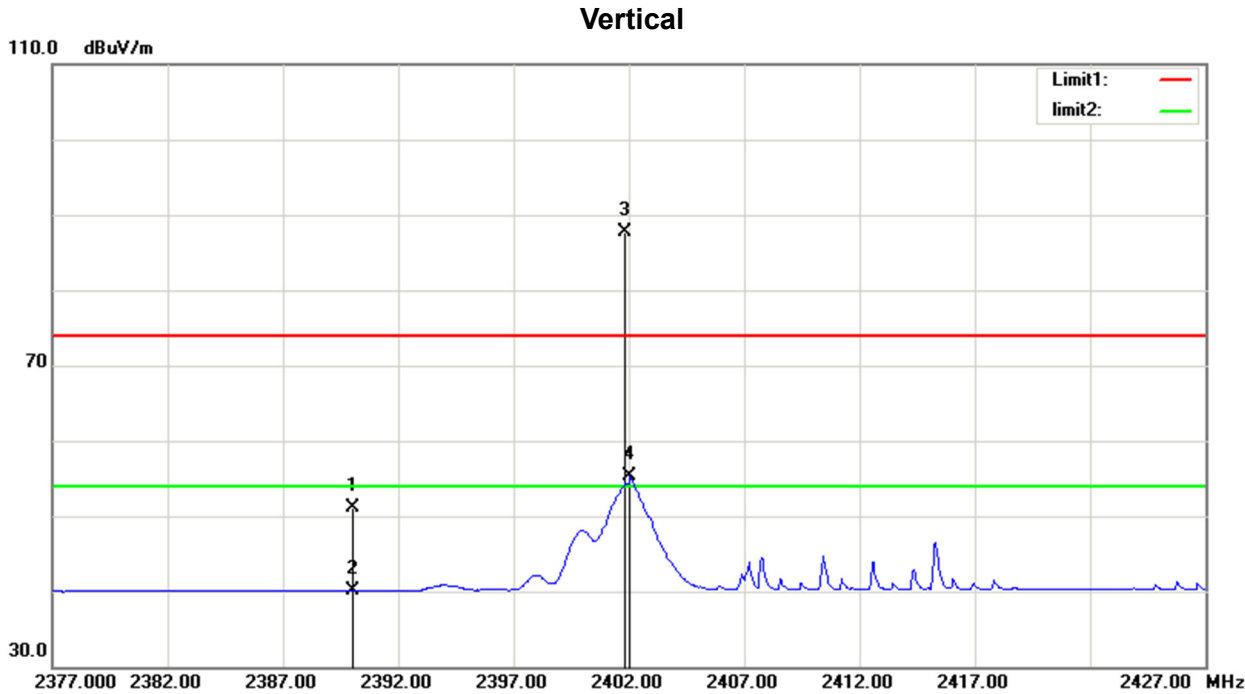
Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	74.3955	33.63	-16.59	17.04	40.00	-22.96	QP
2	192.4186	35.09	-9.53	25.56	43.50	-17.94	QP
3	210.7860	37.37	-8.89	28.48	43.50	-15.02	QP
4	222.1698	35.36	-8.32	27.04	46.00	-18.96	QP
5	254.7284	36.10	-6.00	30.10	46.00	-15.90	QP
6	343.1800	36.18	-7.90	28.28	46.00	-17.72	QP

5.8 TEST RESULTS - ABOVE 1000MHz(BAND EDGE)

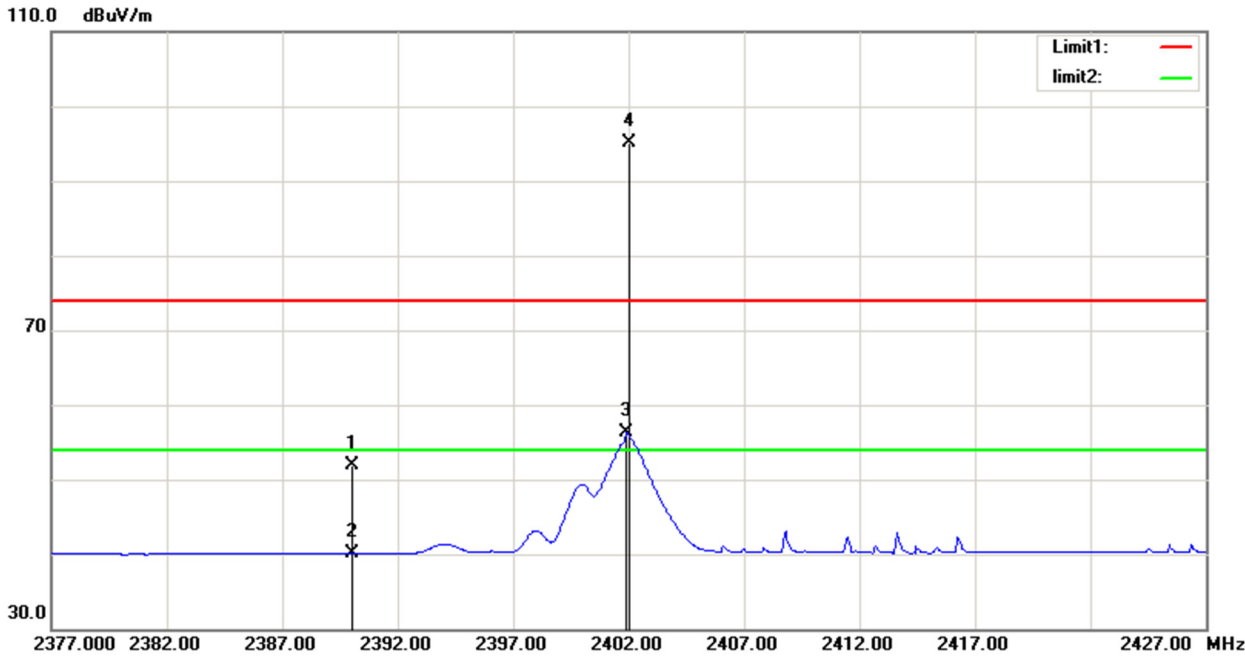
Test Mode: TX 2402 MHz_CH00_1Mbps



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	21.10	30.06	51.16	74.00	-22.84	peak
2	2390.000	10.01	30.06	40.07	54.00	-13.93	AVG
3	2401.850	57.52	30.10	87.62	/	/	peak
4	2402.050	25.23	30.10	55.33	/	/	AVG

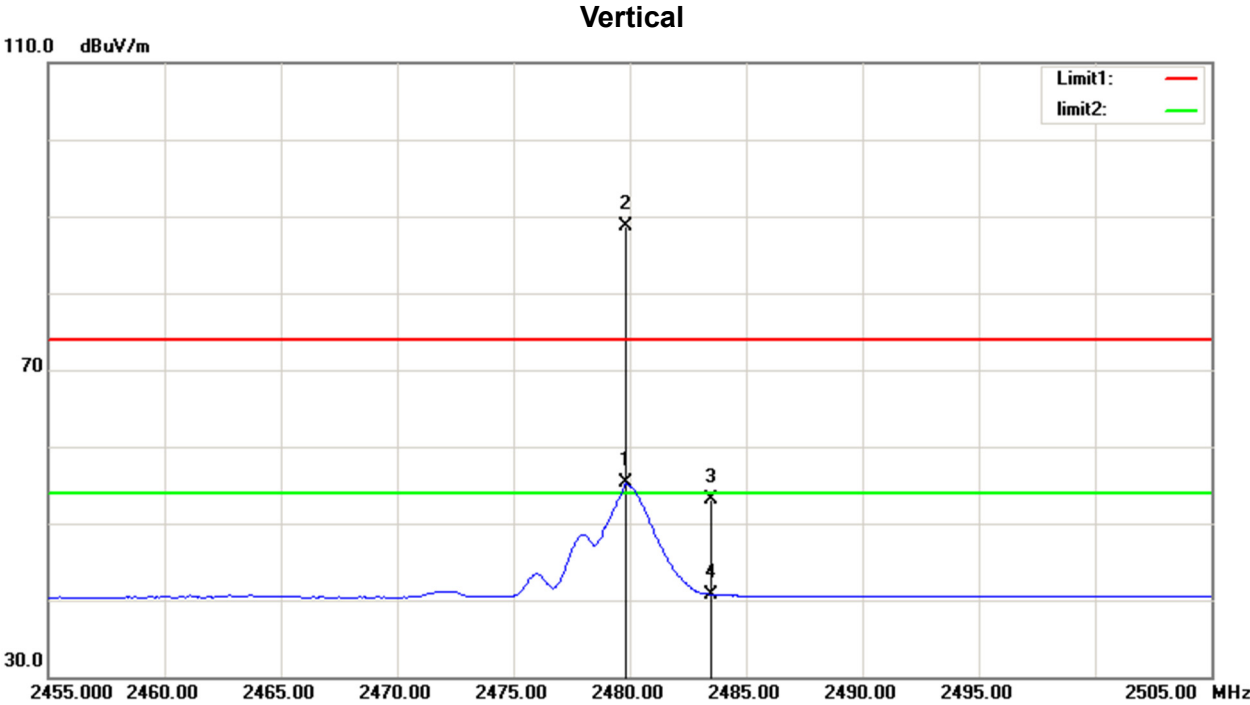
Test Mode: TX 2402 MHz_CH00_1Mbps

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	21.94	30.06	52.00	74.00	-22.00	peak
2	2390.000	10.02	30.06	40.08	54.00	-13.92	AVG
3	2401.900	26.24	30.10	56.34	/	/	AVG
4	2402.000	64.93	30.10	95.03	/	/	peak

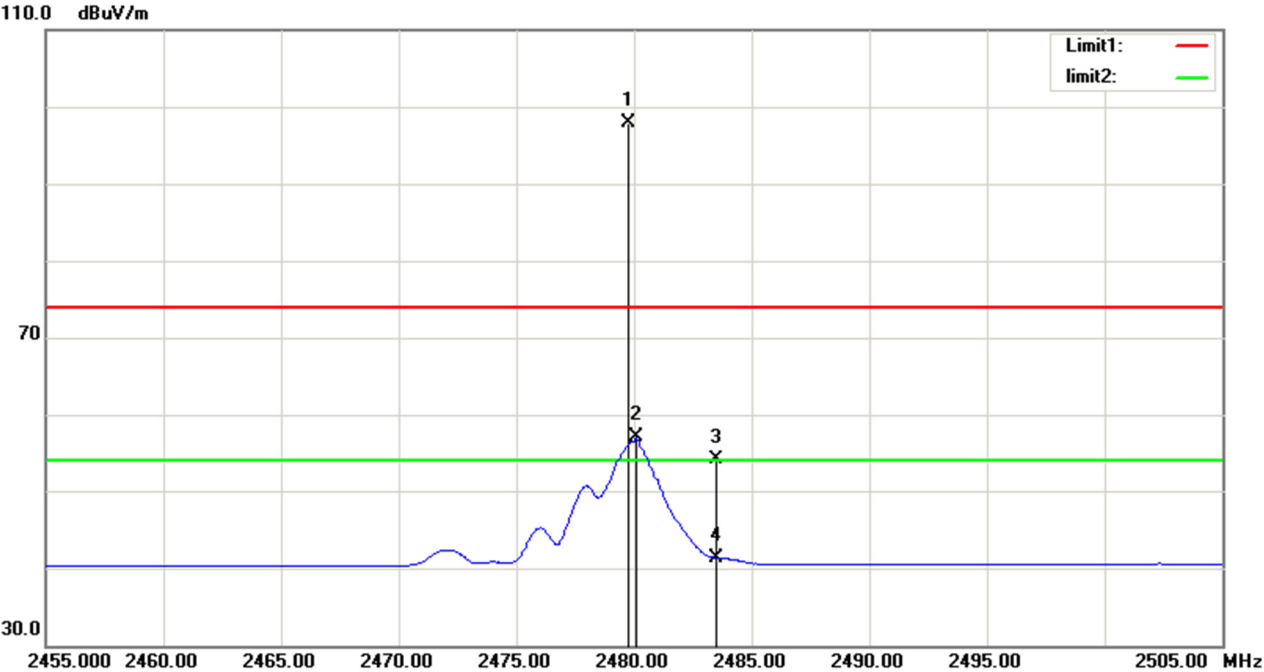
Test Mode: TX 2480 MHz_CH78_1Mbps



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.800	25.03	30.32	55.35	/	/	AVG
2	2479.850	58.31	30.32	88.63	/	/	peak
3	2483.500	22.83	30.33	53.16	74.00	-20.84	peak
4	2483.500	10.44	30.33	40.77	54.00	-13.23	AVG

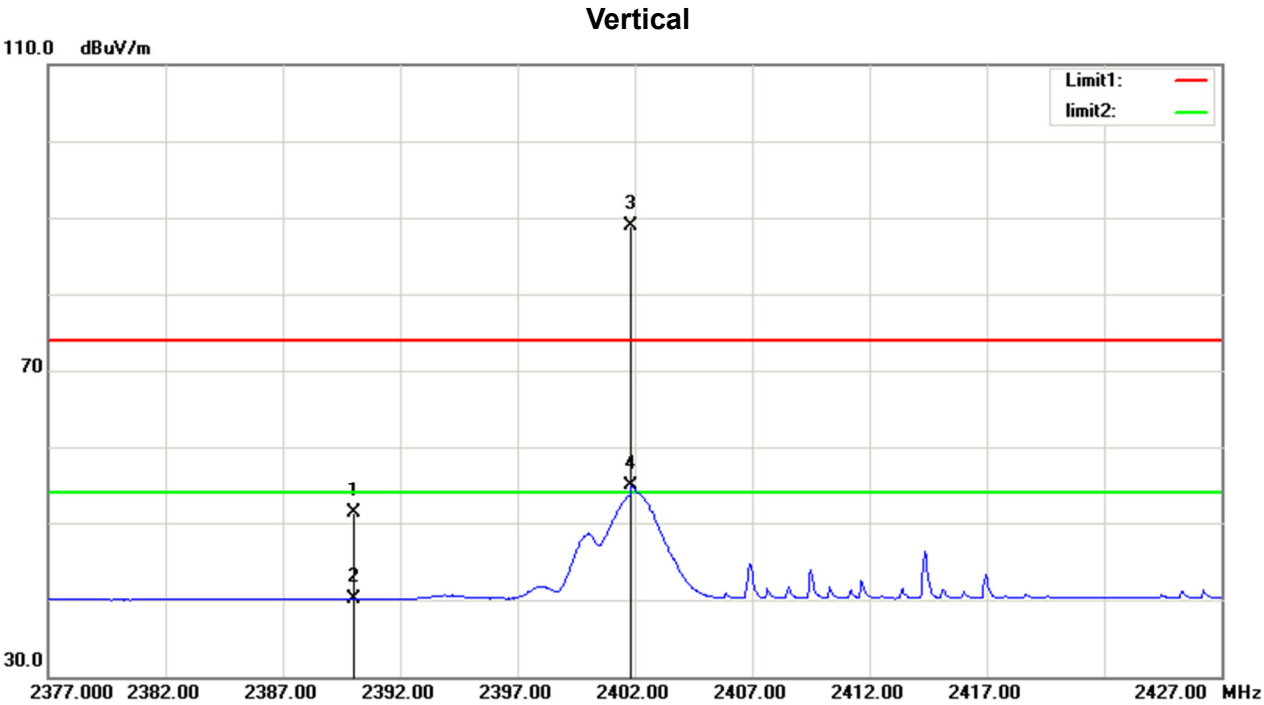
Test Mode: TX 2480 MHz_CH78_1Mbps

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.750	67.50	30.32	97.82	/	/	peak
2	2480.100	26.79	30.32	57.11	/	/	AVG
3	2483.500	23.73	30.33	54.06	74.00	-19.94	peak
4	2483.500	11.04	30.33	41.37	54.00	-12.63	AVG

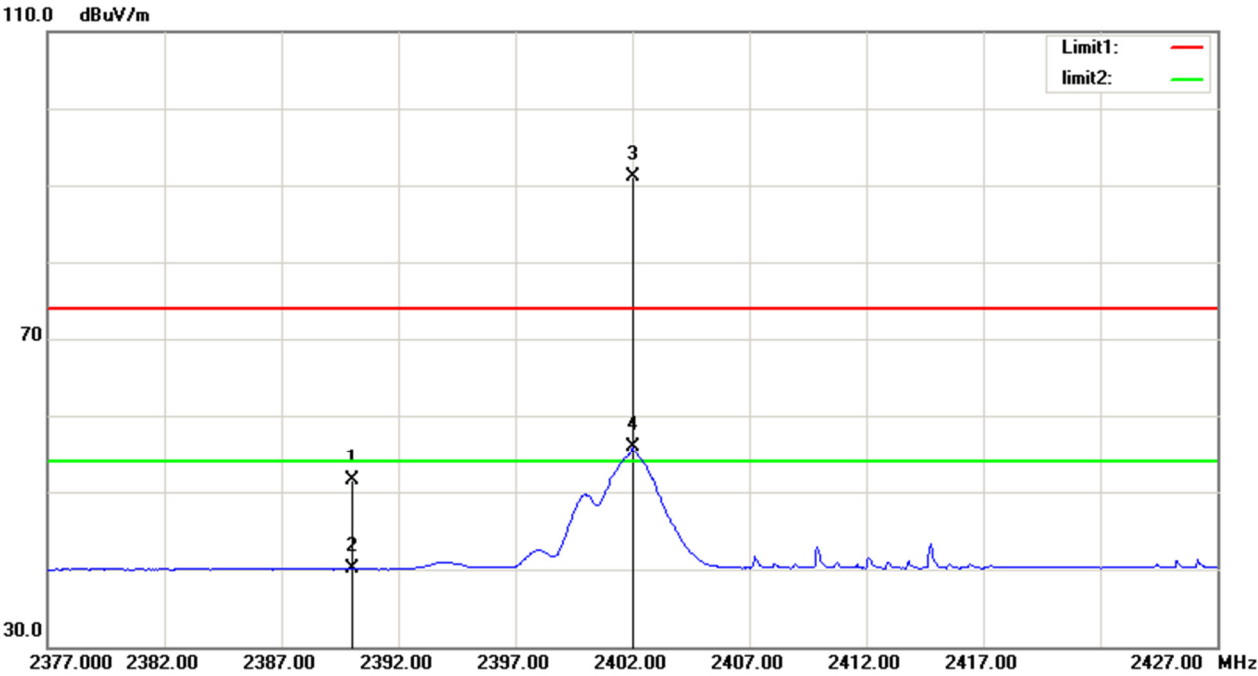
Test Mode: TX 2402 MHz_CH00_2Mbps



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	21.28	30.06	51.34	74.00	-22.66	peak
2	2390.000	9.99	30.06	40.05	54.00	-13.95	AVG
3	2401.850	58.75	30.10	88.85	/	/	peak
4	2401.850	24.80	30.10	54.90	/	/	AVG

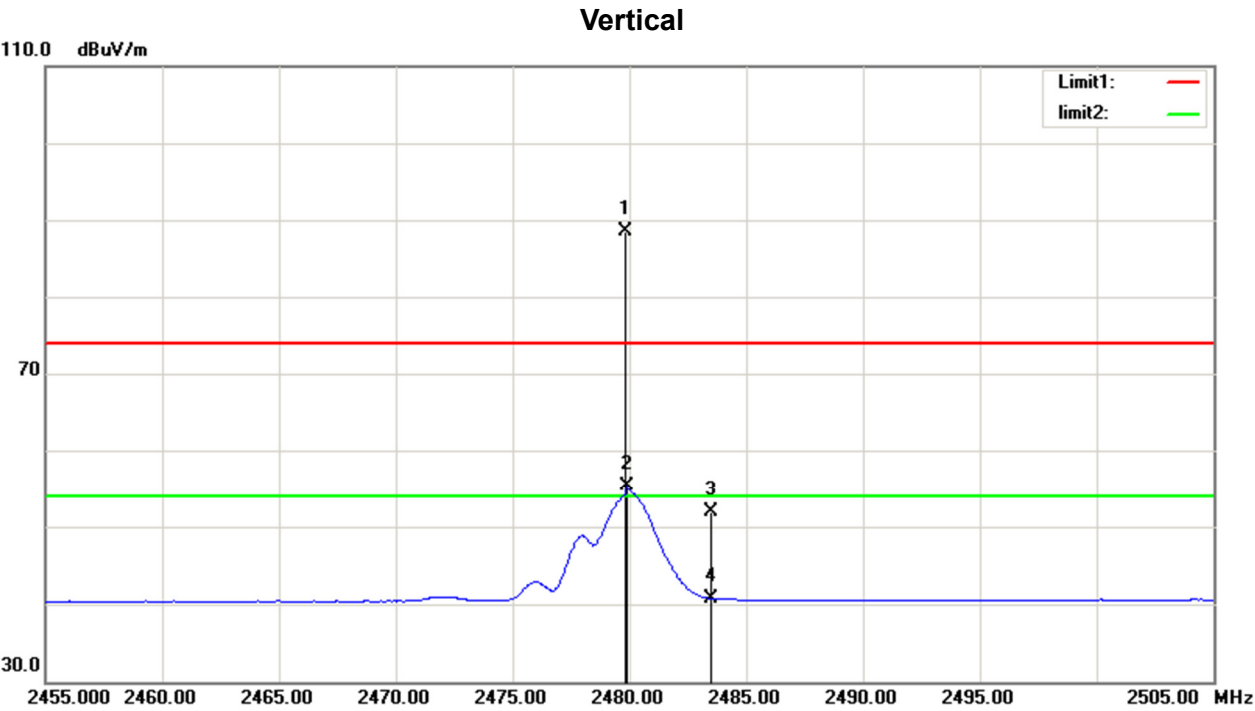
Test Mode: TX 2402 MHz_CH00_2Mbps

Horizontal



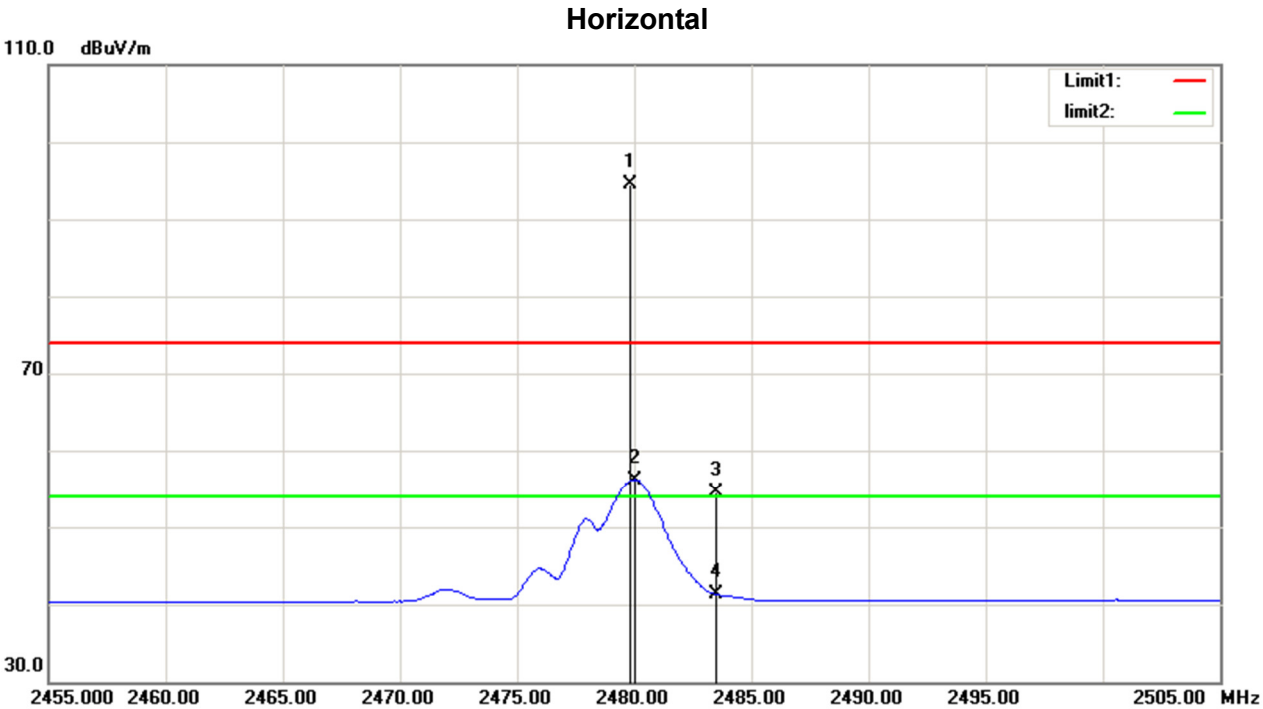
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2390.000	21.50	30.06	51.56	74.00	-22.44	peak
2	2390.000	9.98	30.06	40.04	54.00	-13.96	AVG
3	2402.000	60.92	30.10	91.02	/	/	peak
4	2402.000	25.73	30.10	55.83	/	/	AVG

Test Mode: TX 2480 MHz_CH78_2Mbps



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.800	58.17	30.32	88.49	/	/	peak
2	2479.900	24.89	30.32	55.21	/	/	AVG
3	2483.500	21.55	30.33	51.88	74.00	-22.12	peak
4	2483.500	10.42	30.33	40.75	54.00	-13.25	AVG

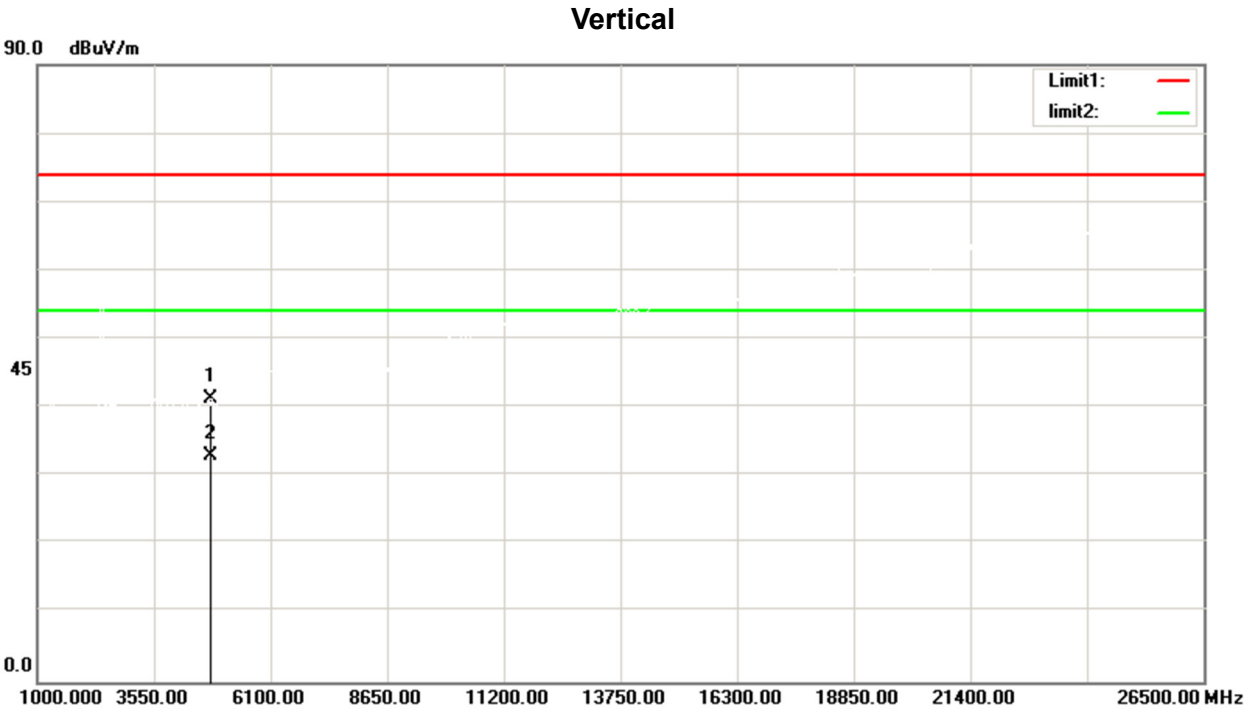
Test Mode: TX 2480 MHz_CH78_2Mbps



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	2479.850	64.14	30.32	94.46	/	/	peak
2	2480.000	25.88	30.32	56.20	/	/	AVG
3	2483.500	24.12	30.33	54.45	74.00	-19.55	peak
4	2483.500	10.94	30.33	41.27	54.00	-12.73	AVG

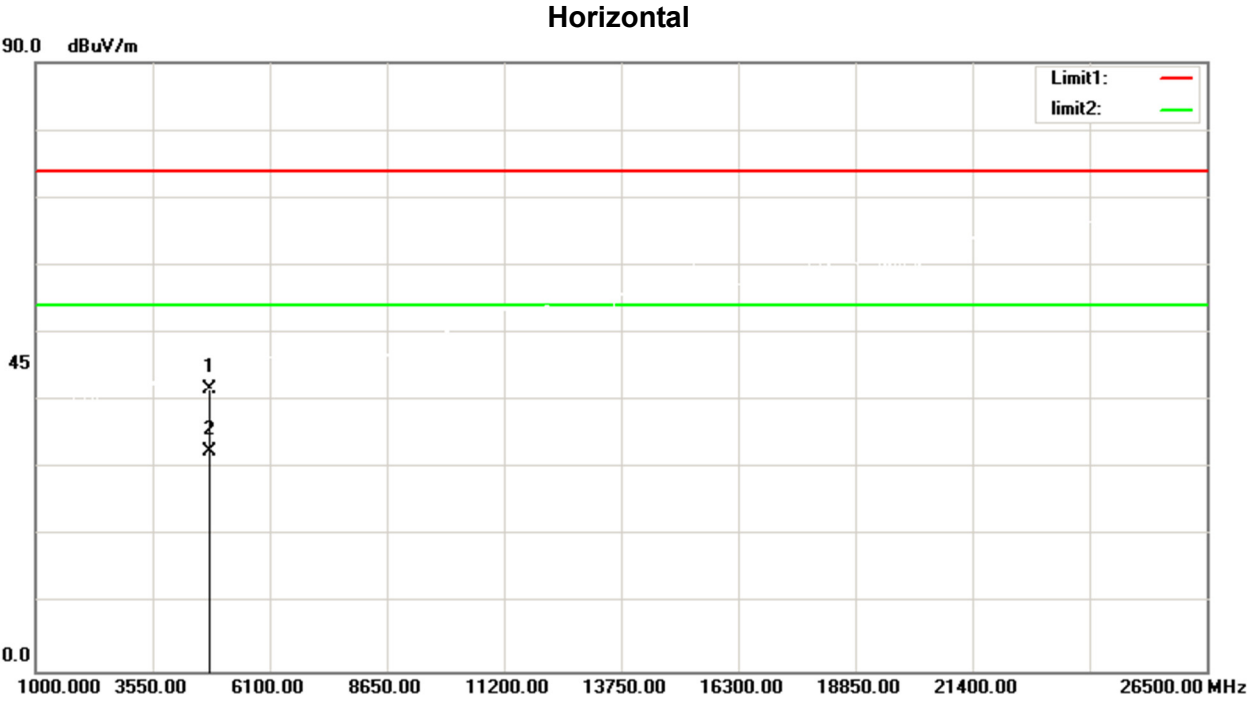
5.9 TEST RESULTS - ABOVE 1000MHz(HARMONIC)

Test Mode: TX 2402 MHz_CH00_1Mbps



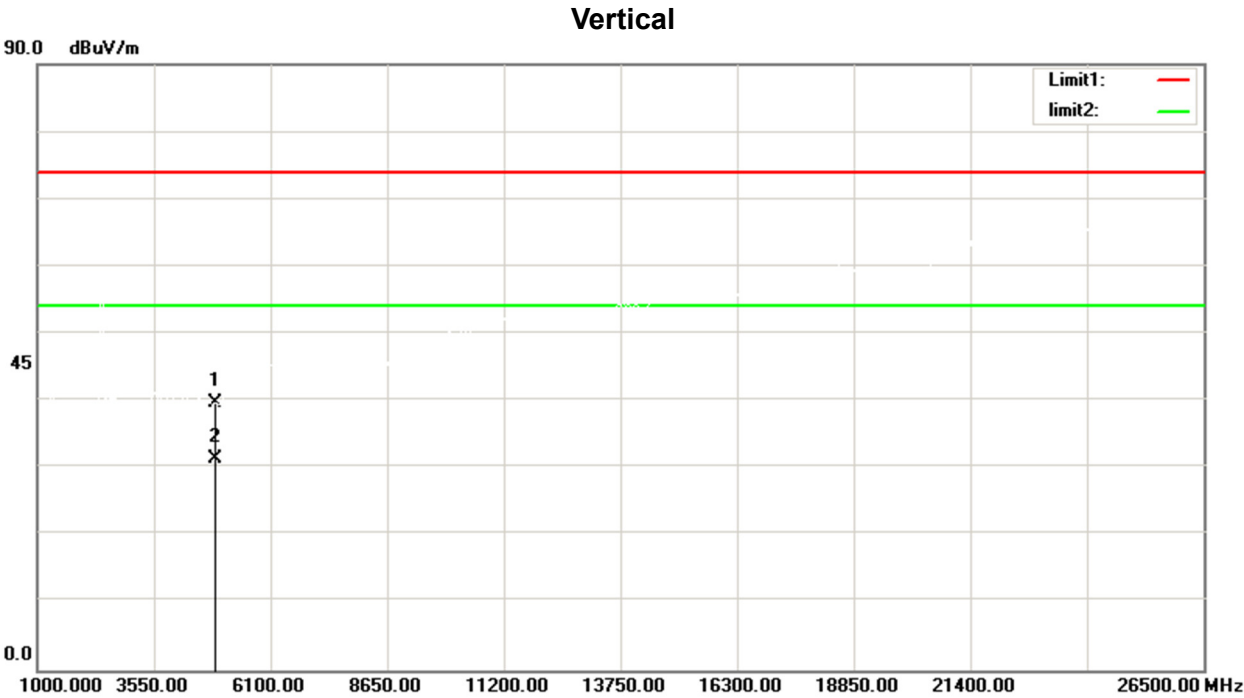
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	48.92	-7.53	41.39	74.00	-32.61	peak
2	4804.000	40.55	-7.53	33.02	54.00	-20.98	AVG

Test Mode: TX 2402 MHz_CH00_1Mbps



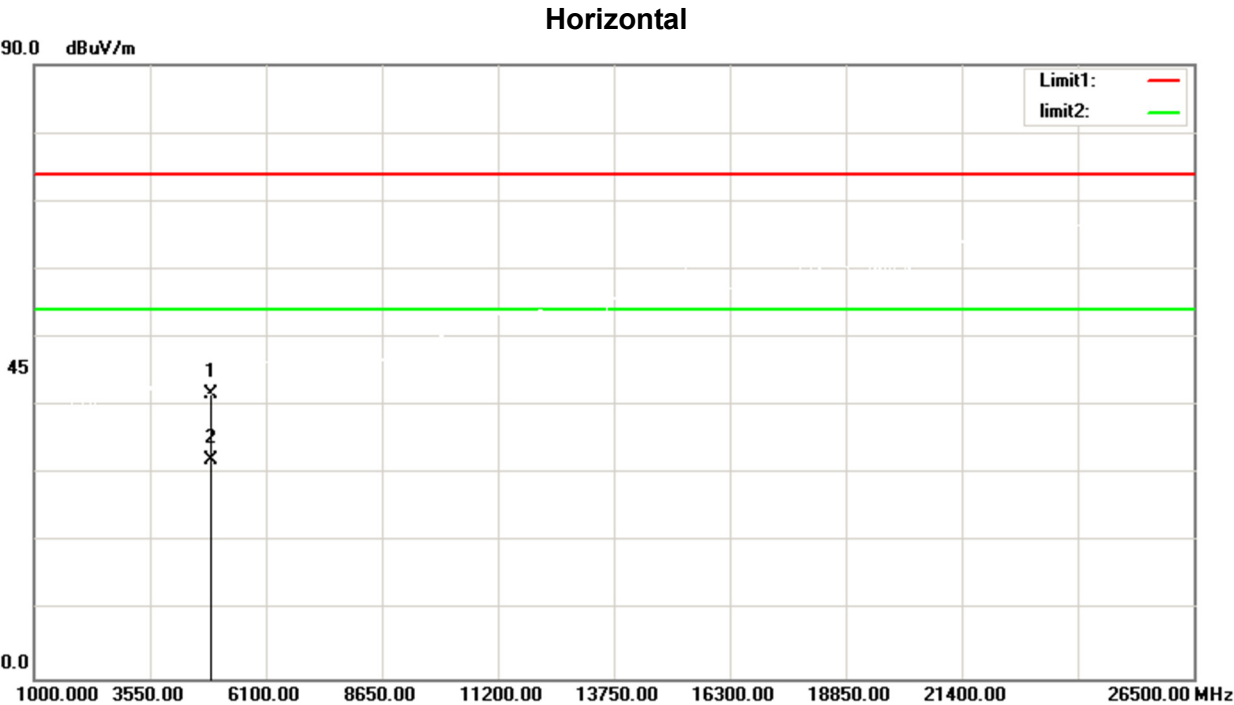
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	49.22	-7.53	41.69	74.00	-32.31	peak
2	4804.000	40.05	-7.53	32.52	54.00	-21.48	AVG

Test Mode: TX 2441 MHz_CH39_1Mbps



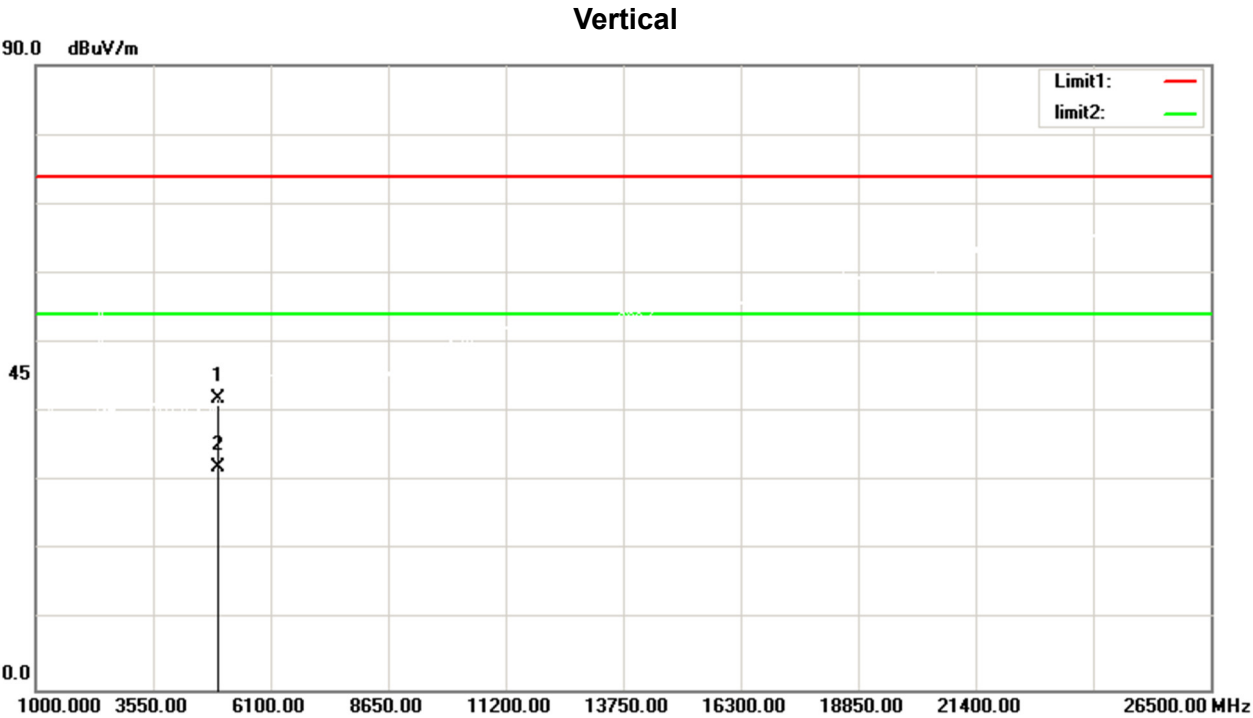
No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.500	47.08	-7.31	39.77	74.00	-34.23	peak
2	4882.500	38.72	-7.31	31.41	54.00	-22.59	AVG

Test Mode: TX 2441 MHz_CH39_1Mbps



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.500	48.98	-7.31	41.67	74.00	-32.33	peak
2	4882.500	39.33	-7.31	32.02	54.00	-21.98	AVG

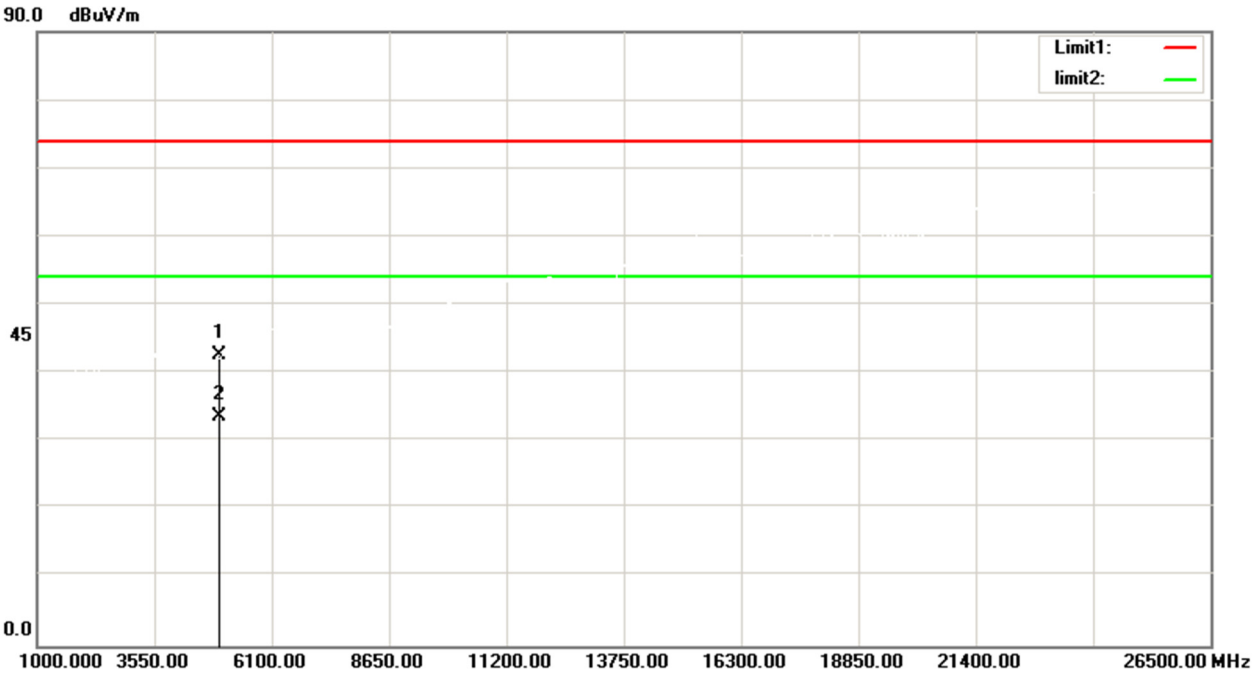
Test Mode:	TX 2480 MHz_CH78_1Mbps
------------	------------------------



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.000	49.09	-7.09	42.00	74.00	-32.00	peak
2	4960.000	39.14	-7.09	32.05	54.00	-21.95	AVG

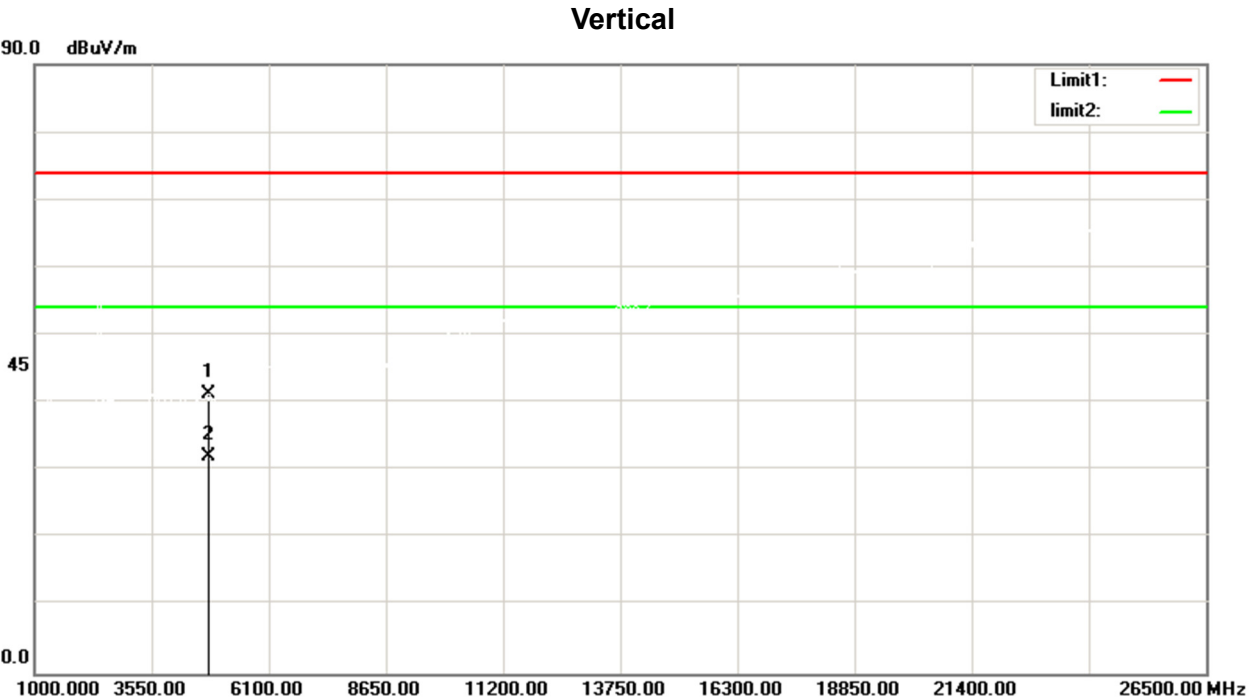
Test Mode: TX 2480 MHz_CH78_1Mbps

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4960.250	49.82	-7.09	42.73	74.00	-31.27	peak
2	4960.250	40.71	-7.09	33.62	54.00	-20.38	AVG

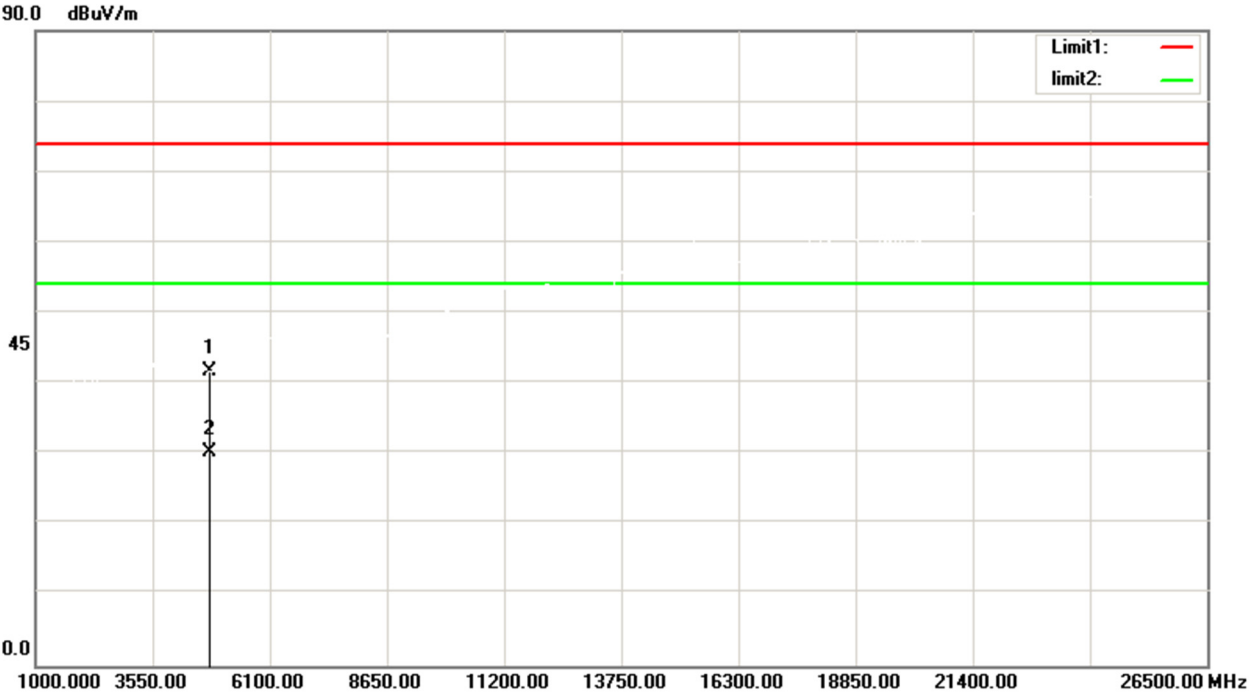
Test Mode: TX 2402 MHz_CH00_2Mbps



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	48.92	-7.53	41.39	74.00	-32.61	peak
2	4804.000	39.68	-7.53	32.15	54.00	-21.85	AVG

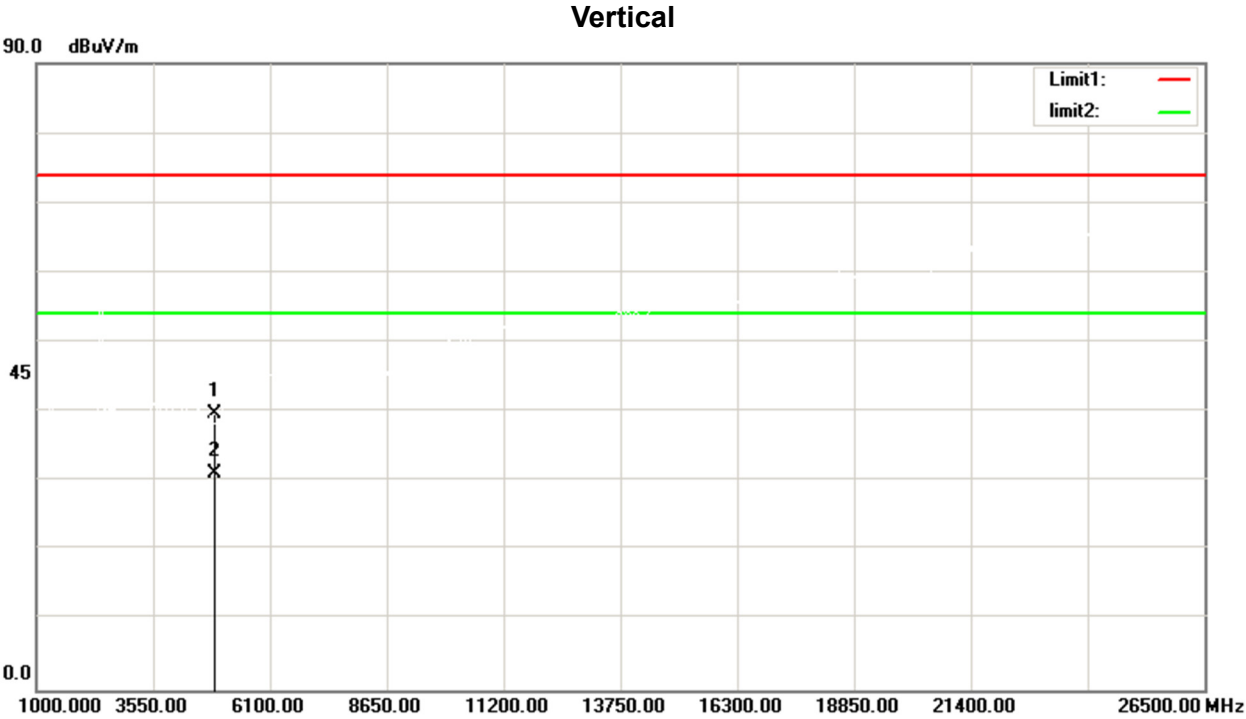
Test Mode: TX 2402 MHz_CH00_2Mbps

Horizontal



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4804.000	49.22	-7.53	41.69	74.00	-32.31	peak
2	4804.000	37.73	-7.53	30.20	54.00	-23.80	AVG

Test Mode: TX 2441 MHz_CH39_2Mbps



No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	4882.100	47.08	-7.31	39.77	74.00	-34.23	peak
2	4882.100	38.56	-7.31	31.25	54.00	-22.75	AVG