



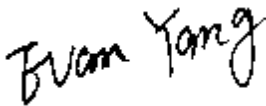
# FCC Radio Test Report

## FCC ID: RAS-MT7925B22M

**This report concerns: Class II Permissive Change**

**Project No.** : 2410C388C  
**Equipment** : 2TX 11be (WiFi7)BW160 + BT/BLE Combo Card  
**Brand Name** : MEDIATEK  
**Test Model** : MT7925B22M  
**Series Model** : N/A  
**Applicant** : MediaTek Inc.  
**Address** : No.1, Dusing 1st Rd., Hsinchu Science Park, Hsinchu City, 30078  
Taiwan  
**Manufacturer** : MediaTek Inc.  
**Address** : No.1, Dusing 1st Rd., Hsinchu Science Park, Hsinchu City, 30078  
Taiwan  
**Date of Receipt** : Dec. 12, 2024  
Feb. 25, 2025  
**Date of Test** : Dec. 12, 2024 ~ Jan. 08, 2025  
Feb. 26, 2025 ~ Mar. 06, 2025  
**Issued Date** : Mar. 19, 2025  
**Report Version** : R00  
**Test Sample** : Sample No.: DG20241212233, DG20250225160  
**Standard(s)** : FCC CFR Title 47, Part 15, Subpart C

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.

**Prepared by** :   
Evan Yang

**Approved by** :   
Chay Cai

Room 108-116, 309-310, Building 2, No.1, Yile Road, Songshan Lake Zone, Dongguan City,  
Guangdong, People's Republic of China.

Tel: +86-769-8318-3000 Web: [www.newbtl.com](http://www.newbtl.com) Service mail: [btl\\_qa@newbtl.com](mailto:btl_qa@newbtl.com)

**Declaration**

**BTL** represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

**BTL'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. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

The report must not be used by the client to claim product certification, approval, or endorsement by A2LA or any agency of the U.S. Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and ourselves, the test report shall not be reproduced, except in full, without our written approval.

**BTL's** laboratory quality assurance procedures are in compliance with the ISO/IEC 17025: 2017 requirements, and accredited by the conformity assessment authorities listed in this test report.

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

The information, data and test plan are provided by manufacturer which may affect the validity of results, so it is manufacturer's responsibility to ensure that the apparatus meets the essential requirements of applied standards and in all the possible configurations as representative of its intended use.

**Limitation**

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Please note that the measurement uncertainty is provided for informational purpose only and are not use in determining the Pass/Fail results.

<b>Table of Contents</b>	<b>Page</b>
<b>REPORT ISSUED HISTORY</b>	<b>5</b>
<b>1 . APPLICABLE STANDARDS</b>	<b>6</b>
<b>2 . SUMMARY OF TEST RESULTS</b>	<b>6</b>
2.1 TEST FACILITY	7
2.2 MEASUREMENT UNCERTAINTY	7
2.3 TEST ENVIRONMENT CONDITIONS	8
<b>3 . GENERAL INFORMATION</b>	<b>9</b>
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	10
3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	11
3.4 SUPPORT UNITS	11
3.5 CUSTOMER INFORMATION DESCRIPTION	11
<b>4 . AC POWER LINE CONDUCTED EMISSIONS</b>	<b>12</b>
4.1 LIMIT	12
4.2 TEST PROCEDURE	12
4.3 DEVIATION FROM TEST STANDARD	12
4.4 TEST SETUP	13
4.5 EUT OPERATING CONDITIONS	13
4.6 TEST RESULTS	13
<b>5 . RADIATED EMISSIONS</b>	<b>14</b>
5.1 LIMIT	14
5.2 TEST PROCEDURE	15
5.3 DEVIATION FROM TEST STANDARD	16
5.4 TEST SETUP	16
5.5 EUT OPERATING CONDITIONS	18
5.6 TEST RESULT - 9 KHZ TO 30 MHZ	18
5.7 TEST RESULT - 30 MHZ TO 1000 MHZ	18
5.8 TEST RESULT - ABOVE 1000 MHZ	18
<b>6 . MEASUREMENT INSTRUMENTS LIST</b>	<b>19</b>
<b>APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS</b>	<b>21</b>
<b>APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ</b>	<b>24</b>

**Table of Contents****Page****APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ****29****APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ****32**

### REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-2-2410C388C	R00	<p>This is a supplementary report to the original test report (BTL-FCCP-2-2410C388).</p> <ol style="list-style-type: none"> <li>1. The platform added the model: RZ09-0528M2.</li> <li>2. The platform added a MB2 motherboard.</li> <li>3. The platform added an adapter.</li> <li>4. The platform added two GPUs.</li> </ol> <p>Above new device only for the new model: RZ09-0528M2, so the Radiated Emission below 1GHz and AC Power Line Conducted Emissions had been retested and recorded in this report. Other measurement results are kept the same with original report.</p>	Mar. 19, 2025	Valid

## 1. APPLICABLE STANDARDS

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

ANSI C63.10-2013

The following reference test guidance is not within the scope of accreditation of A2LA:

KDB 558074 D01 15.247 Meas Guidance v05r02

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

FCC CFR Title 47, Part 15, Subpart C				
Standard(s) Section	Test Item	Test Result	Judgment	Remark
15.207	AC Power Line Conducted Emissions	APPENDIX A	PASS	-----
15.247(d) 15.205(a) 15.209(a)	Radiated Emissions	APPENDIX B APPENDIX C APPENDIX D	PASS	-----

Note:

(1) "N/A" denotes test is not applicable to this device.

(2) Implementation in the following platform

Model name: RZ09-0528, RZ09-0528M2

Model Difference: The only difference in PCB layout between MB1 and MB2 motherboards is in the graphics card memory and graphics card power supply.

Product name: Notebook PC

Brand name:  or  or RAZER

## 2.1 TEST FACILITY

The test facilities used to collect the test data in this report:

For **Radiated Emissions-30 MHz to 1000 MHz item**: Room 102 & Room 702, Building 3, No.9, Jinshagang 1st Road, Dalang Town, Dongguan City, Guangdong People's Republic of China.

For **other items**: 1-2/F, 4/F, Building A, 1-2/F, Building B, 3/F, Building C, No.3, Jinshagang 1st Road, Dalang Town, Dongguan City, Guangdong People's Republic of China.

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

## 2.2 MEASUREMENT UNCERTAINTY

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95.45% confidence level (based on a coverage factor (k=2))

The BTL measurement uncertainty as below table:

### A. AC power line conducted emissions Measurement:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-C02	CISPR	150kHz ~ 30MHz	2.88

### B. Radiated emissions Measurement:

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB01	CISPR	9kHz ~ 30MHz	2.36

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB17 (3m)	CISPR	30MHz ~ 200MHz	V	4.22
		30MHz ~ 200MHz	H	3.46
		200MHz ~ 1,000MHz	V	5.02
		200MHz ~ 1,000MHz	H	4.22

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	4.08
		6GHz ~ 18GHz	4.62

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (1m)	CISPR	18 ~ 26.5 GHz	3.36

Note: Unless specifically mentioned, the uncertainty of measurement has not been taken into account to declare the compliance or non-compliance to the specification.

## 2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By	Test Date
AC Power Line Conducted Emissions	22°C	55%	AC 120V/60Hz	Hayden Chen	Feb. 27, 2025
Radiated Emissions-9 kHz to 30 MHz	26°C	47%	AC 120V/60Hz	Hayden Chen	Dec. 17, 2024
Radiated Emissions-30 MHz to 1000 MHz	25°C	46%	AC 120V/60Hz	Calvin Wen	Feb. 28, 2025
Radiated Emissions-Above 1000 MHz	22°C	40%	AC 120V/60Hz	Allen Tong	Dec. 19, 2024
	21°C	38%	AC 120V/60Hz	Allen Tong	Dec. 24, 2024



### 3. GENERAL INFORMATION

#### 3.1 GENERAL DESCRIPTION OF EUT

Equipment	2TX 11be (WiFi7)BW160 + BT/BLE Combo Card
Brand Name	MEDIATEK
Test Model	MT7925B22M
Series Model	N/A
Model Difference(s)	N/A
Software Version	Windows 11
Hardware Version	APF24002_MB MB1 APF24002_MB MB2
Power Source	1# DC voltage supplied from AC adapter. 1)Model: ADP-280EB D 2)Model: ADP-200JB F 2# Supplied from battery. Model: RC30-0528
Power Rating	1# 1) I/P: 100-240V~ 3.2A 50-60Hz O/P: 20.0V=== 14.0A 2) I/P: 100-240V~ 2.5A 50-60Hz O/P: 20.0V=== 10.0A 2# DC 15.56V 5494mAh 85.5Wh
Operation Frequency	2402 MHz ~ 2480 MHz
Modulation Type	GFSK
Bit Rate of Transmitter	1Mbps, 2Mbps, 500kbps(S2), 125kbps(S8)

Note:

- 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)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

#### 3. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	QUECTEL	Y4RRW0MA2AA	PIFA	I-PEX MHF4-L	2.80

Note: Ant.1 refers to Main Antenna.

### 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_1Mbps Channel 19

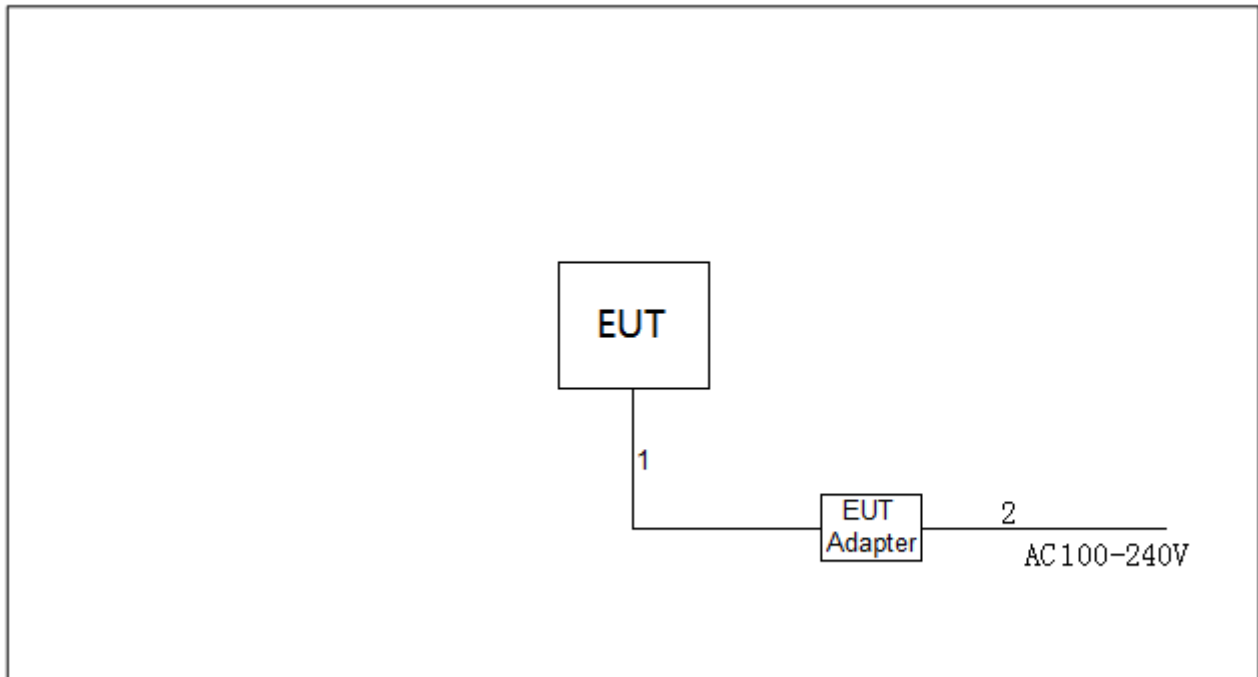
Following mode(s) was (were) found to be the worst case(s) and selected for the final test.

AC power line conducted emissions test	
Final Test Mode	Description
Mode 1	TX Mode_1Mbps Channel 19

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 1	TX Mode_1Mbps Channel 19

Radiated emissions test - Above 1GHz	
Final Test Mode	Description
Mode 1	TX Mode_1Mbps Channel 19

### 3.3 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



### 3.4 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5M
2	AC Cable	NO	NO	1.0M

### 3.5 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain is provided by the manufacturer.
- 2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. All cable losses are provided by the testing laboratory.

## 4. AC POWER LINE CONDUCTED EMISSIONS

### 4.1 LIMIT

Frequency of Emission (MHz)	Limit (dBμV)	
	Quasi-peak	Average
0.15 - 0.5	66 to 56*	56 to 46*
0.5 - 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.
- (3) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor (if use)  
 Margin Level = Measurement Value – Limit Value

### 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 ground plane 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.
- e. For the actual test configuration, please refer to the related Item –EUT Test Photos.

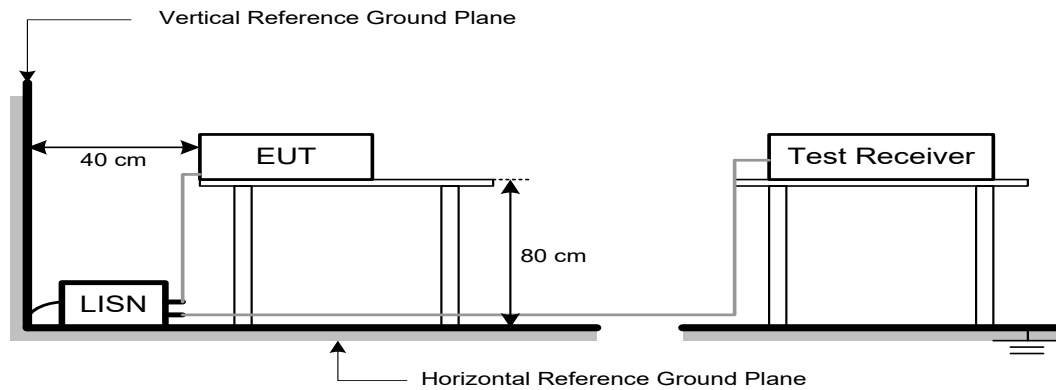
The following table is the setting of the receiver:

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

### 4.3 DEVIATION FROM TEST STANDARD

No deviation.

#### 4.4 TEST SETUP



#### 4.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

#### 4.6 TEST RESULTS

Please refer to the APPENDIX A.

Remark:

- (1) All readings are QP Mode value unless otherwise stated AVG in column of 『Note』 . If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn't perform. In this case, a " \* " marked in AVG Mode column of Interference Voltage Measured.
- (2) Measuring frequency range from 150 kHz to 30 MHz.

## 5. RADIATED EMISSIONS

### 5.1 LIMIT

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

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

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 (Above 1000 MHz)

Frequency (MHz)	Band edge/ Harmonic at 3m (dBμV/m)		Harmonic at 1m (dBμV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	83.5 (Note 5)	63.5 (Note 5)

Note:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C / RSS-Gen.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following:  
 Measurement Value = Reading Level + Correct Factor  
 Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)  
 Margin Level = Measurement Value - Limit Value
- (5)

$$FS_{\text{limit}} = FS_{\text{max}} - 20\log\left(\frac{d_{\text{limit}}}{d_{\text{measure}}}\right)$$

20log (d<sub>limit</sub>/d<sub>measure</sub>)=20log (3/1)=9.5 dB.

FS<sub>limit</sub>: Harmonic at 3m Peak and Average limit.

FS<sub>max</sub>: Harmonic at 1m Peak and Average Maximum value.

d<sub>limit</sub>: Harmonic at 3m test distance.

d<sub>measure</sub>: Harmonic Actual test distance.

## 5.2 TEST PROCEDURE

- 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 1 GHz)
- b. The measuring distance of 3 m or 1m 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 1 GHz.
- 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 1 GHz)
- 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 1 GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

The following table is the setting of the receiver:

Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~150 kHz for RBW 200 Hz
Start ~ Stop Frequency	0.15 MHz~30 MHz for RBW 9 kHz
Start ~ Stop Frequency	30 MHz~1000 MHz for RBW 100 kHz

Spectrum Parameters	Setting
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1 MHz / 3 MHz for PK value 1 MHz / 1/T Hz for AVG value

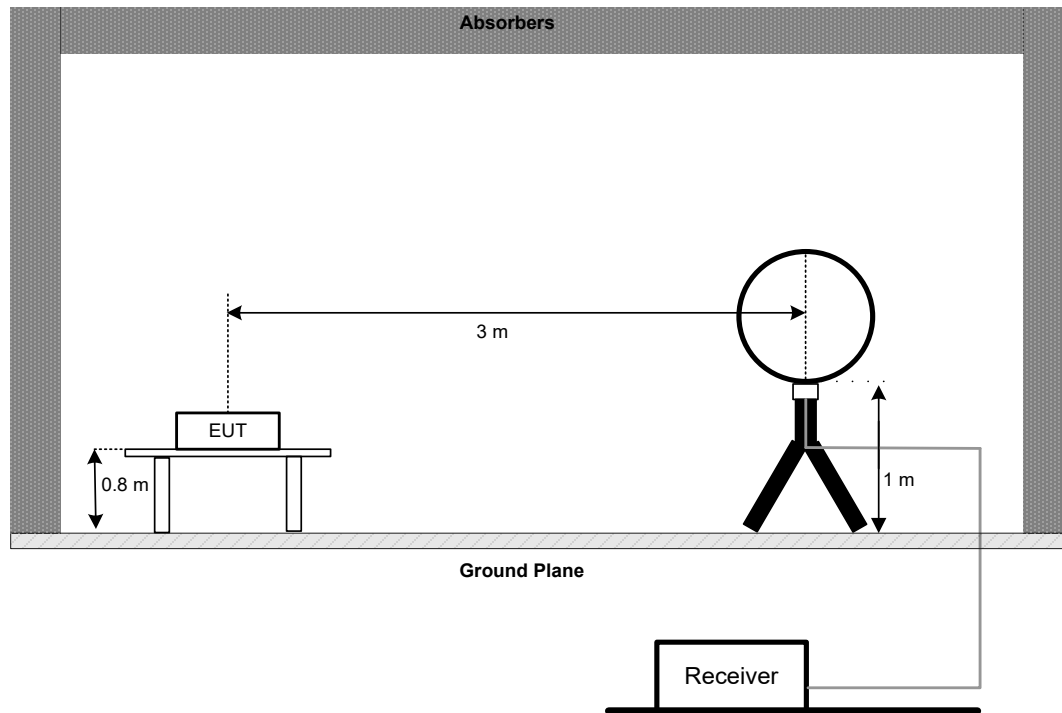
Spectrum Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector
Start ~ Stop Frequency	1 GHz~26.5 GHz for PK/AVG detector

## 5.3 DEVIATION FROM TEST STANDARD

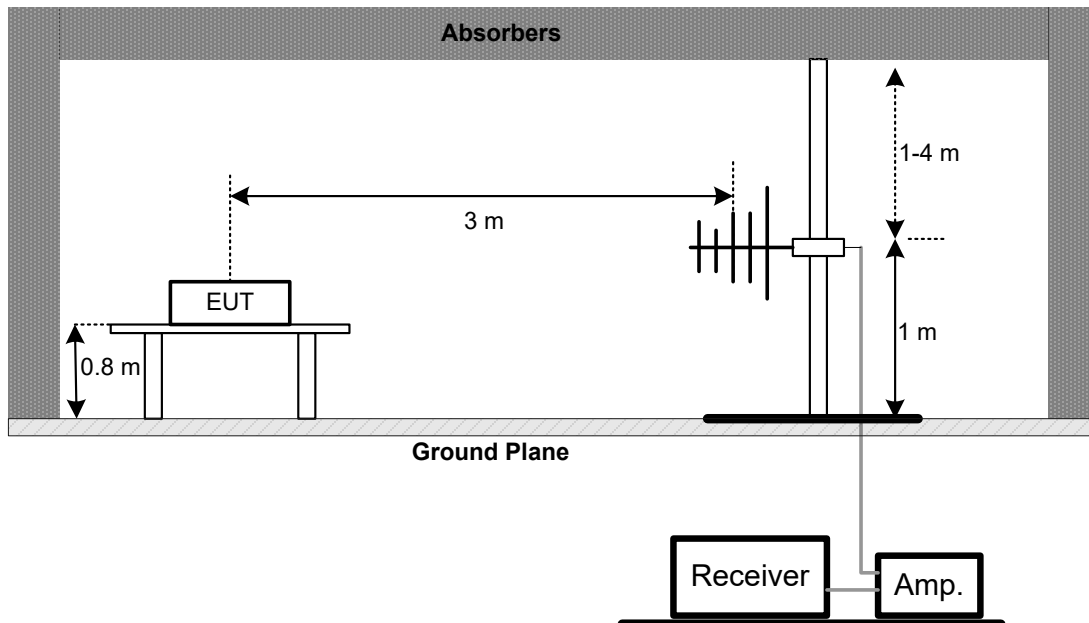
No deviation.

## 5.4 TEST SETUP

### 9 kHz to 30 MHz

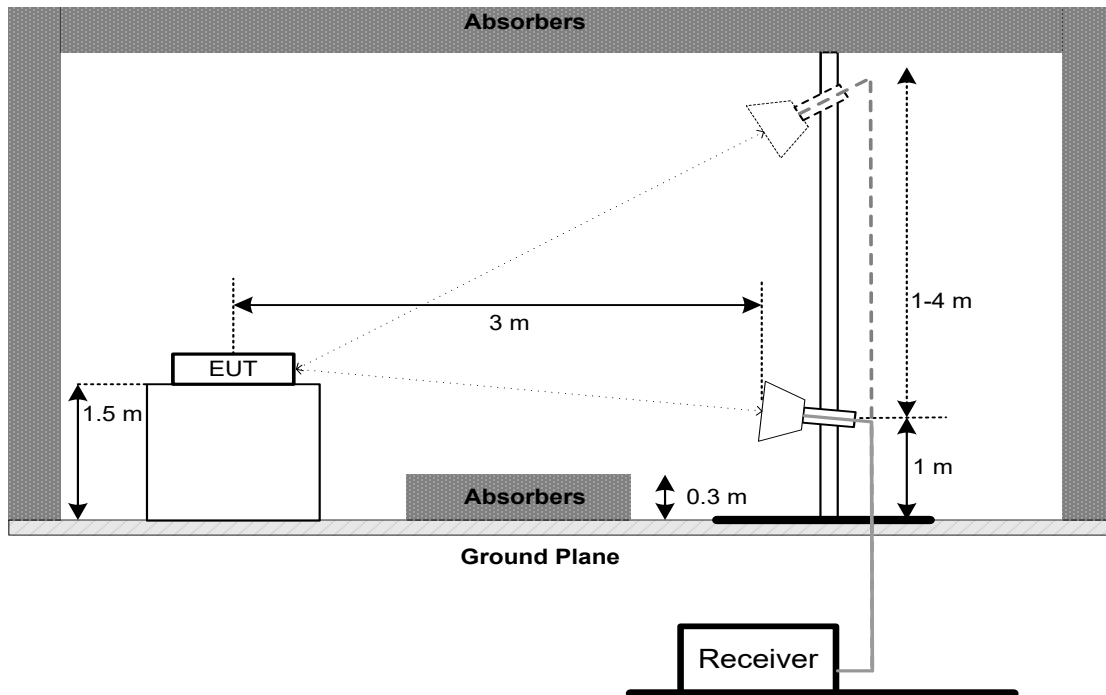


### 30 MHz to 1 GHz

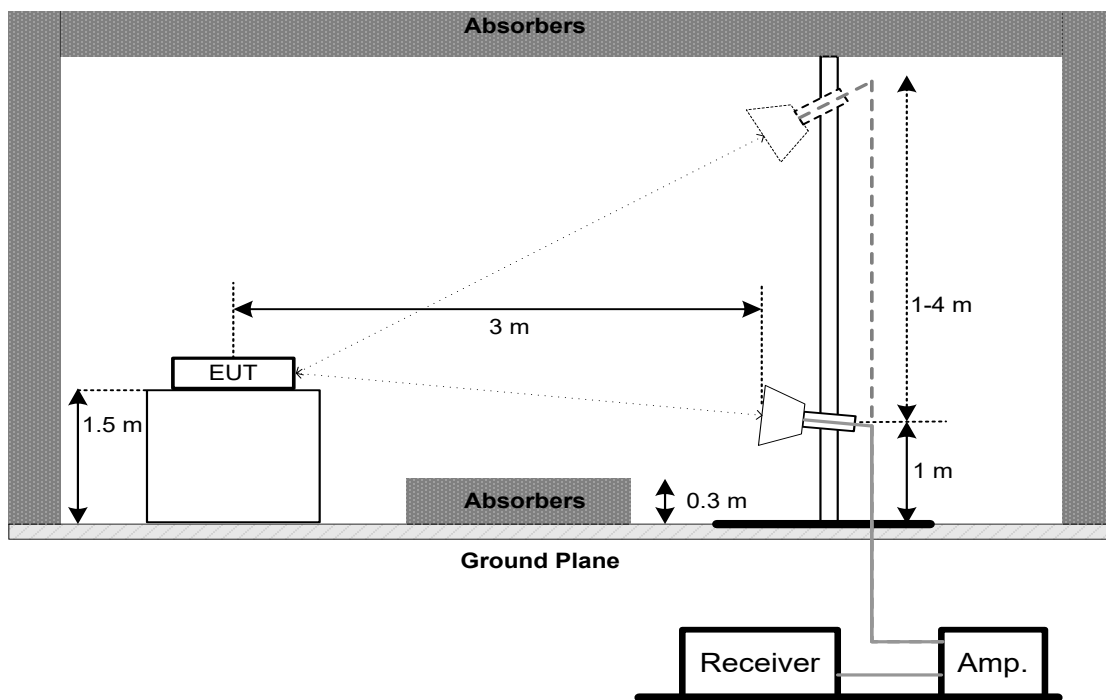


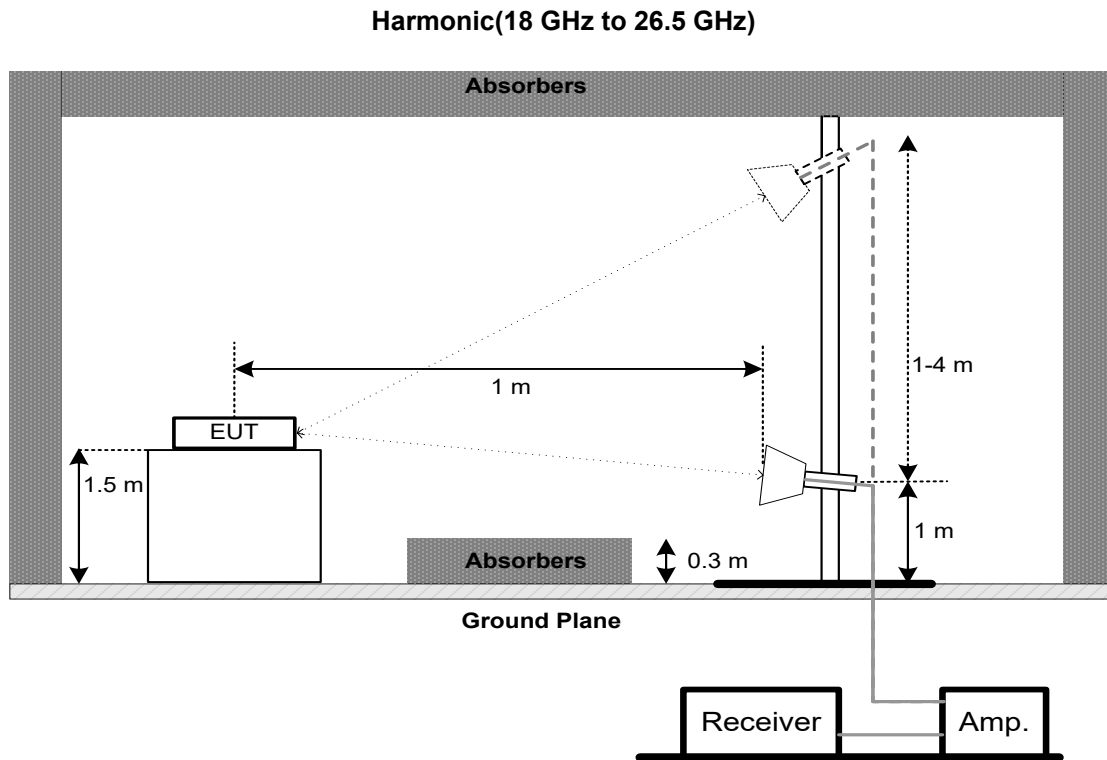


## Above 1 GHz Band edge



## Harmonic(1 GHz to 18 GHz)





### 5.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

### 5.6 TEST RESULT - 9 kHz TO 30 MHz

Please refer to the APPENDIX B.

Remark:

- (1) Distance extrapolation factor =  $40 \log (\text{specific distance} / \text{test distance})$  (dB).
- (2) Limit line = specific limits (dBuV) + distance extrapolation factor.

### 5.7 TEST RESULT - 30 MHz TO 1000 MHz

Please refer to the APPENDIX C.

### 5.8 TEST RESULT - ABOVE 1000 MHz

Please refer to the APPENDIX D.

Remark:

- (1) No limit: This is fundamental signal, the judgment is not applicable.  
For fundamental signal judgment was referred to Peak output test.

## 6. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 06, 2025
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 06, 2025
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M -001	9M	Nov. 11, 2025
5	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Active Loop Antenna	Schwarzbeck	FMZB 1513-60B	1513-60 B-034	Mar. 30, 2025
2	MXE EMI Receiver	Keysight	N9038A	MY56400091	Dec. 22, 2024
3	Cable	N/A	RW4950-3.8A-NMS M-1.5	N/A	Nov. 12, 2025
4	Cable	N/A	LMR400-NMNM-8 M	N/A	Nov. 12, 2025
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	966 Chamber room	ETS	9*6*6	N/A	May 16, 2025

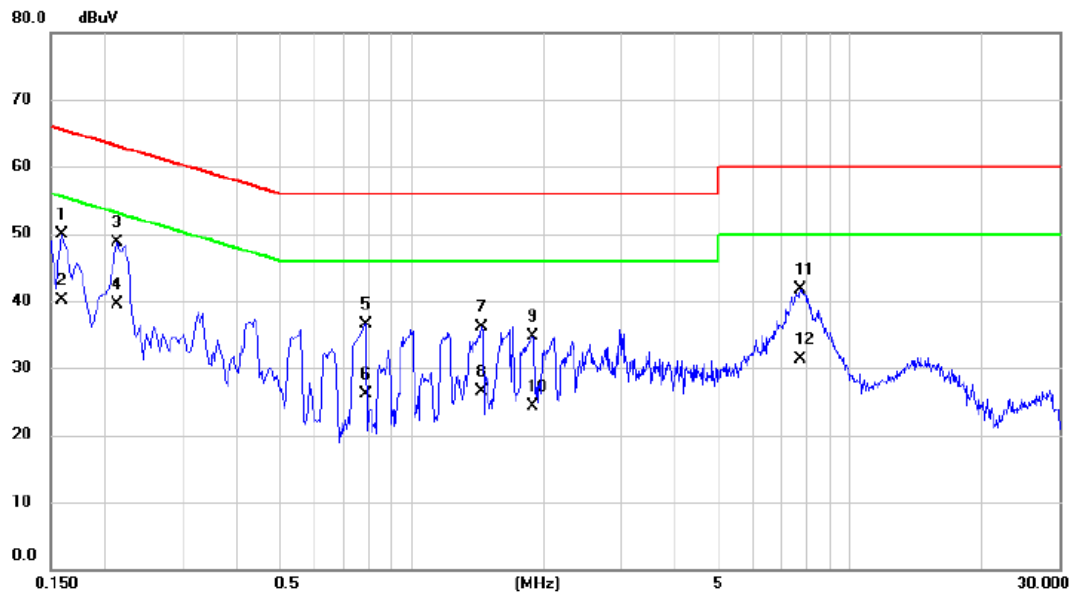
Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1587	Apr. 25, 2025
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06010	Apr. 25, 2025
3	Preamplifier	EMC INSTRUMENT	EMC001330	980865	Oct. 29, 2025
4	Cable	RegalWay	LMR400-NMNM-2. 5m	N/A	Jan. 07, 2026
5	Cable	RegalWay	LMR400-NMNM-7 m	N/A	Jan. 07, 2026
6	Cable	RegalWay	LMR400-NMNM-3 m	N/A	Jan. 07, 2026
7	Receiver	Agilent	N9038A	MY52130039	Jan. 10, 2026
8	Multi-Device Controller	ETS-Lindgren	N/A	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	ETS	9*6*6	N/A	Jan. 02, 2026

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXA Signal Analyzer	KEYSIGHT	N9020B	MY63380204	Oct.29,2025
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Oct.29,2025
3	Double Ridged Guide Antenna	ETS	3115	75789	Jun. 15, 2025
4	Cable	RegalWay	RWLP50-4.0A-SMS M-12.5M	N/A	Jul. 03, 2025
5	966 Chamber room	CM	9*6*6	N/A	May 19,2025
6	Cable	RegalWay	RWLP50-4.0A-NM RASM-2.5M	N/A	Jul. 03, 2025
7	Cable	RegalWay	RWLP50-4.0A-NM RASMRA-0.8M	N/A	Jul. 03, 2025
8	Positioning Controller	MF	MF-7802	N/A	N/A
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
11	Filter	STI	STI15-9912	N/A	May. 31, 2025
12	Preamplifier	EMC INSTRUMENT	EMC184045SE	980905	Oct.29,2025
13	Cable	RegalWay	RWLP50-2.6A-2.92 M2.92M-1.1M	N/A	Jul. 25, 2025
14	Cable	Tonscend	HF160-KMKM-3M	N/A	Jul. 25, 2025
15	Broad-Band Horn Antenna	Schwarzbeck	BBHA9170(3m)	9170-319	Jun. 16, 2025

Remark: "N/A" denotes no model name, serial no. or calibration specified.  
All calibration period of equipment list is one year.

## **APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS**

Test Mode	TX Mode Channel 19_1Mbps	Phase	Line
-----------	--------------------------	-------	------

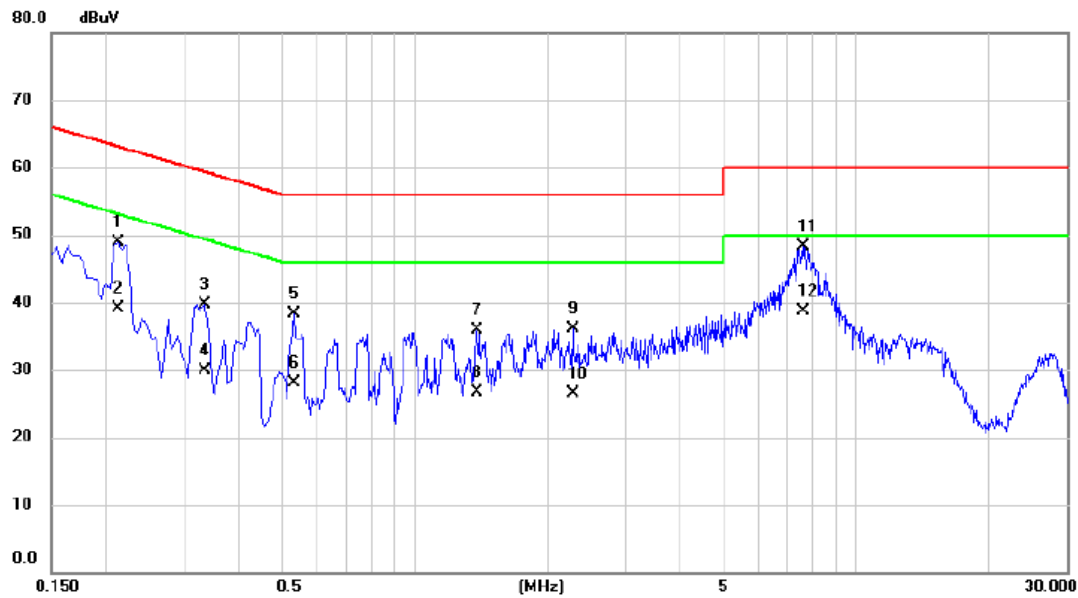


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1590	40.25	9.68	49.93	65.52	-15.59	QP	
2		0.1590	30.50	9.68	40.18	55.52	-15.34	AVG	
3		0.2130	39.08	9.67	48.75	63.09	-14.34	QP	
4	*	0.2130	29.80	9.67	39.47	53.09	-13.62	AVG	
5		0.7845	26.85	9.75	36.60	56.00	-19.40	QP	
6		0.7845	16.30	9.75	26.05	46.00	-19.95	AVG	
7		1.4460	26.34	9.79	36.13	56.00	-19.87	QP	
8		1.4460	16.70	9.79	26.49	46.00	-19.51	AVG	
9		1.8825	24.92	9.81	34.73	56.00	-21.27	QP	
10		1.8825	14.50	9.81	24.31	46.00	-21.69	AVG	
11		7.7100	31.67	10.00	41.67	60.00	-18.33	QP	
12		7.7100	21.40	10.00	31.40	50.00	-18.60	AVG	

## REMARKS:

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

Test Mode	TX Mode Channel 19 _1Mbps	Phase	Neutral
-----------	---------------------------	-------	---------



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.2130	39.16	9.69	48.85	63.09	-14.24	QP	
2	0.2130	29.40	9.69	39.09	53.09	-14.00	AVG	
3	0.3345	30.07	9.67	39.74	59.34	-19.60	QP	
4	0.3345	20.30	9.67	29.97	49.34	-19.37	AVG	
5	0.5325	28.63	9.70	38.33	56.00	-17.67	QP	
6	0.5325	18.50	9.70	28.20	46.00	-17.80	AVG	
7	1.3830	26.09	9.79	35.88	56.00	-20.12	QP	
8	1.3830	16.90	9.79	26.69	46.00	-19.31	AVG	
9	2.2830	26.17	9.84	36.01	56.00	-19.99	QP	
10	2.2830	16.70	9.84	26.54	46.00	-19.46	AVG	
11	7.5930	38.28	10.02	48.30	60.00	-11.70	QP	
12 *	7.5930	28.70	10.02	38.72	50.00	-11.28	AVG	

## REMARKS:

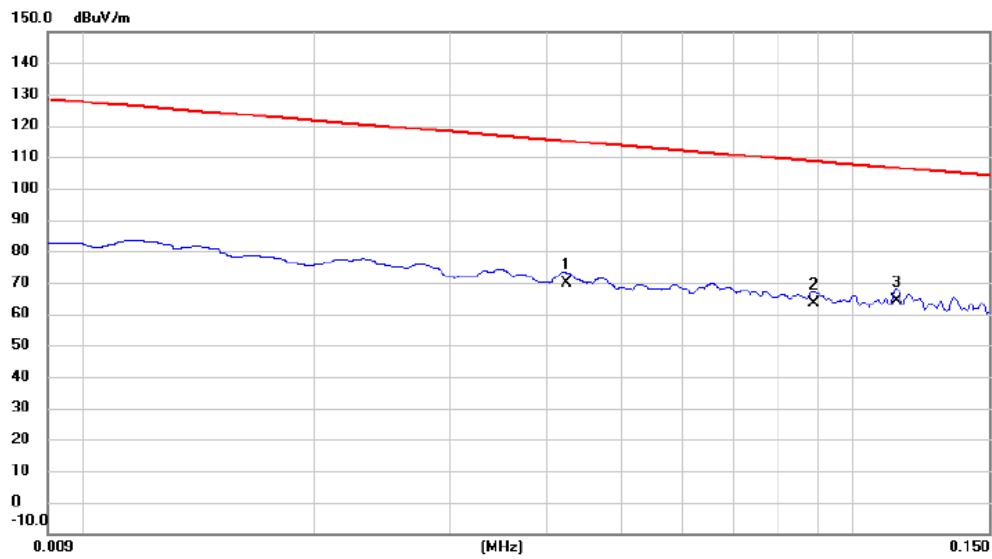
(1) Measurement Value = Reading Level + Correct Factor.

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

## **APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ**



Test Mode	TX Mode Channel 19 _1Mbps	Polarization	Ant 0°
-----------	---------------------------	--------------	--------



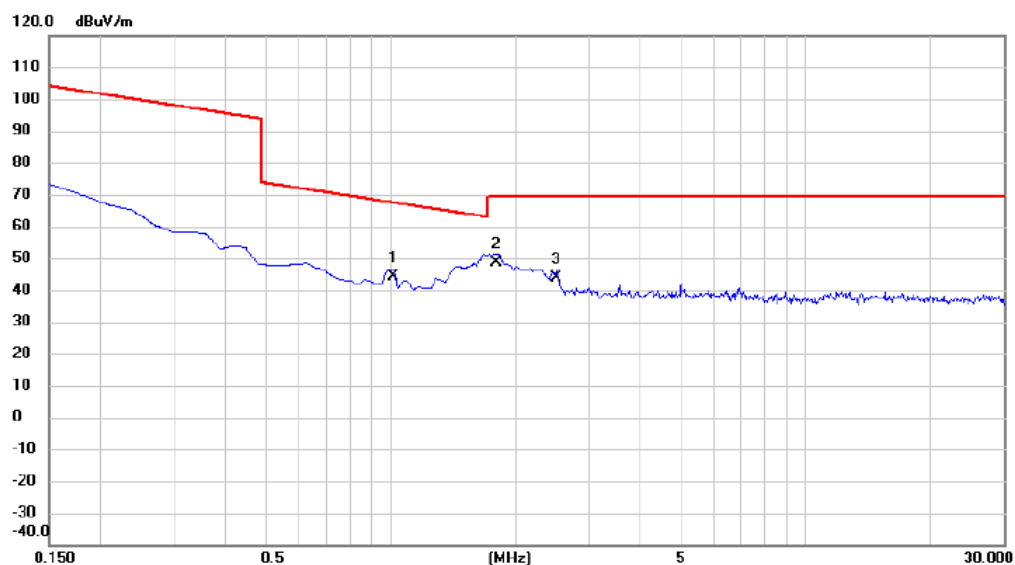
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0424	48.68	21.20	69.88	115.06	-45.18	AVG	
2		0.0888	42.13	21.34	63.47	108.64	-45.17	AVG	
3	*	0.1140	42.84	21.32	64.16	106.47	-42.31	AVG	

## REMARKS:

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

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

Test Mode	TX Mode Channel 19 _1Mbps	Polarization	Ant 0°
-----------	---------------------------	--------------	--------



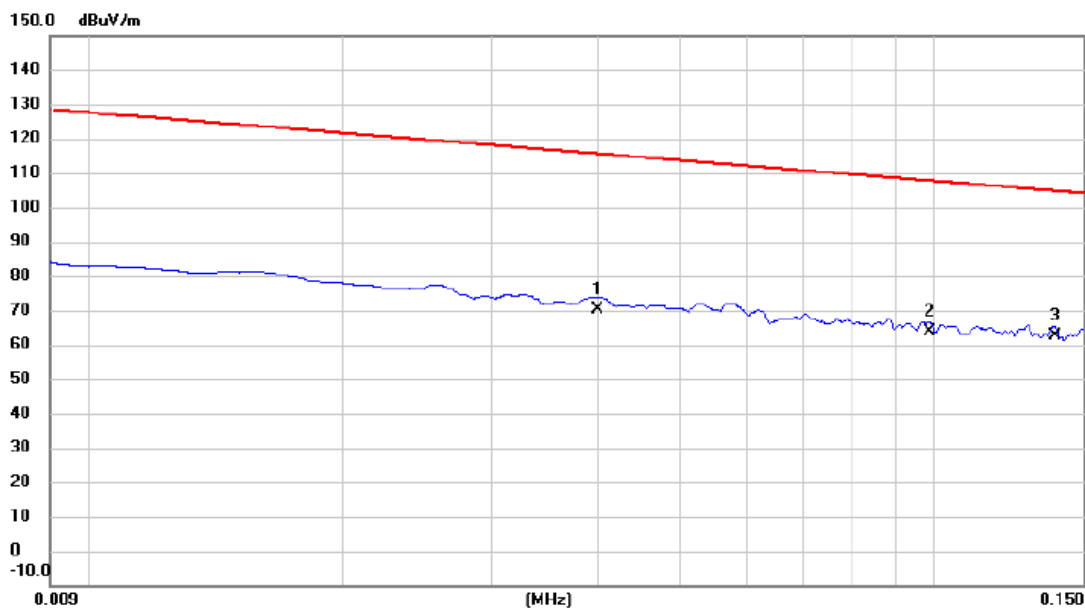
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		1.0156	23.03	21.20	44.23	67.47	-23.24	QP	
2	*	1.7917	27.56	21.13	48.69	69.54	-20.85	QP	
3		2.5082	22.85	21.12	43.97	69.54	-25.57	QP	

## REMARKS:

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

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

Test Mode	TX Mode Channel 19 _1Mbps	Polarization	Ant 90°
-----------	---------------------------	--------------	---------



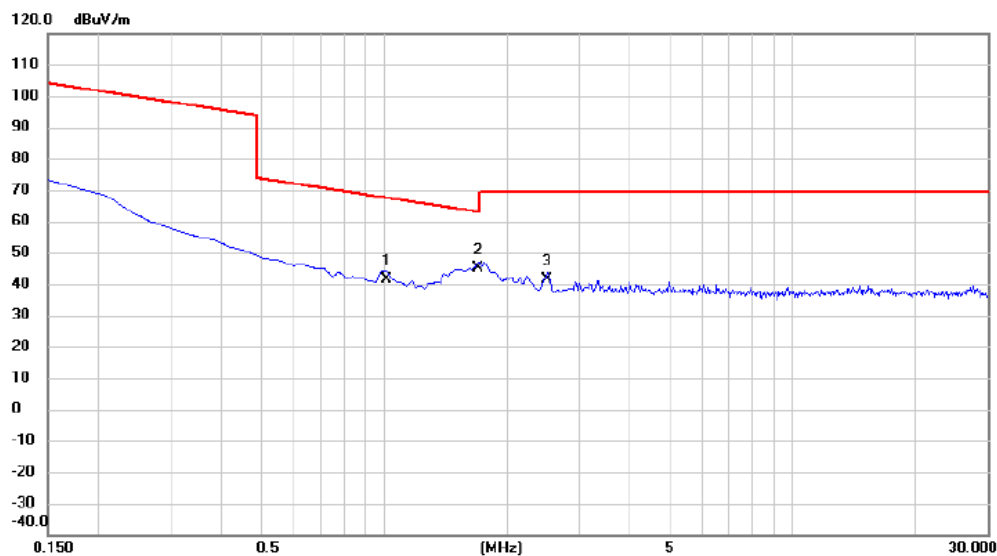
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0400	48.91	21.19	70.10	115.56	-45.46	AVG	
2		0.0987	42.51	21.34	63.85	107.72	-43.87	QP	
3	*	0.1387	41.37	21.28	62.65	104.77	-42.12	AVG	

## REMARKS:

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

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

Test Mode	TX Mode Channel 19 _1Mbps	Polarization	Ant 90°
-----------	---------------------------	--------------	---------



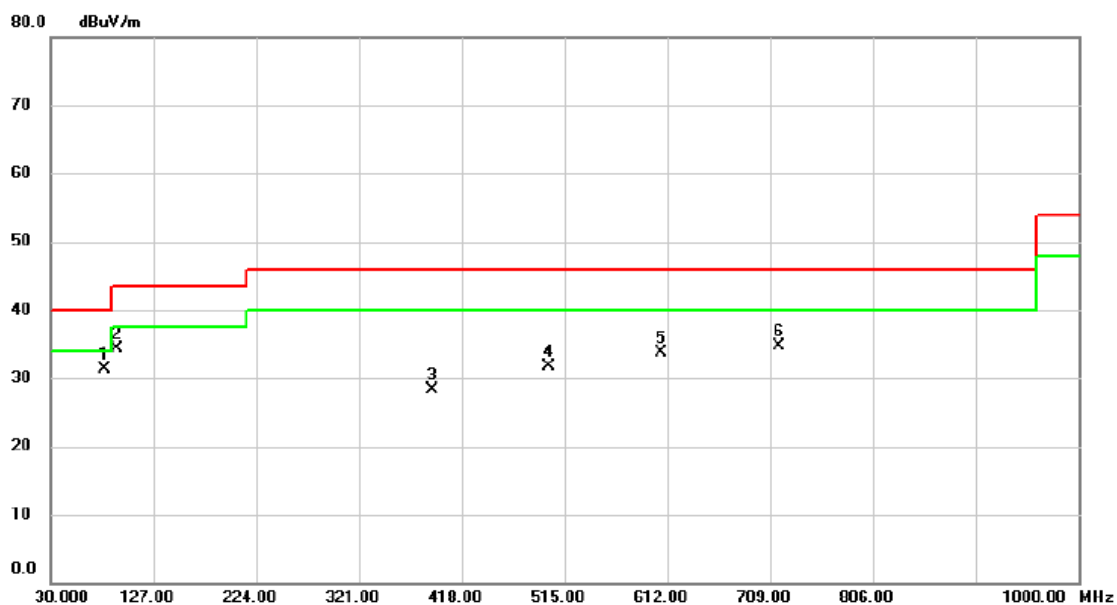
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		1.0156	20.36	21.20	41.56	67.47	-25.91	QP	
2	*	1.7022	23.94	21.14	45.08	62.98	-17.90	QP	
3		2.5082	20.13	21.12	41.25	69.54	-28.29	QP	

## REMARKS:

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

## **APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ**

Test Mode	TX Mode Channel 19 _1Mbps	Polarization	Vertical
-----------	---------------------------	--------------	----------



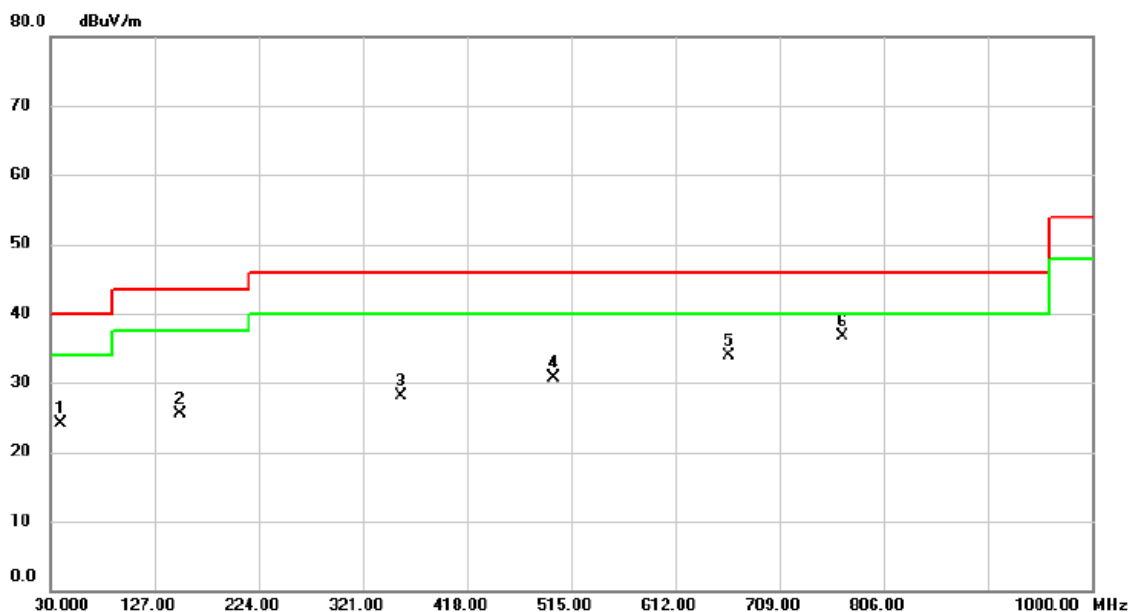
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	80.440	47.38	-16.01	31.37	40.00	-8.63	peak	
2		92.080	51.16	-16.94	34.22	43.50	-9.28	peak	
3		389.870	37.07	-8.82	28.25	46.00	-17.75	peak	
4		500.450	38.03	-6.23	31.80	46.00	-14.20	peak	
5		606.180	37.37	-3.74	33.63	46.00	-12.37	peak	
6		717.730	36.87	-2.21	34.66	46.00	-11.34	peak	

## REMARKS:

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

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

Test Mode	TX Mode Channel 19 _1Mbps	Polarization	Horizontal
-----------	---------------------------	--------------	------------



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		39.700	36.12	-11.94	24.18	40.00	-15.82	peak	
2		151.250	36.85	-11.31	25.54	43.50	-17.96	peak	
3		356.890	37.74	-9.67	28.07	46.00	-17.93	peak	
4		498.510	36.99	-6.26	30.73	46.00	-15.27	peak	
5		661.470	37.09	-3.26	33.83	46.00	-12.17	peak	
6	*	767.200	38.34	-1.70	36.64	46.00	-9.36	peak	

## REMARKS:

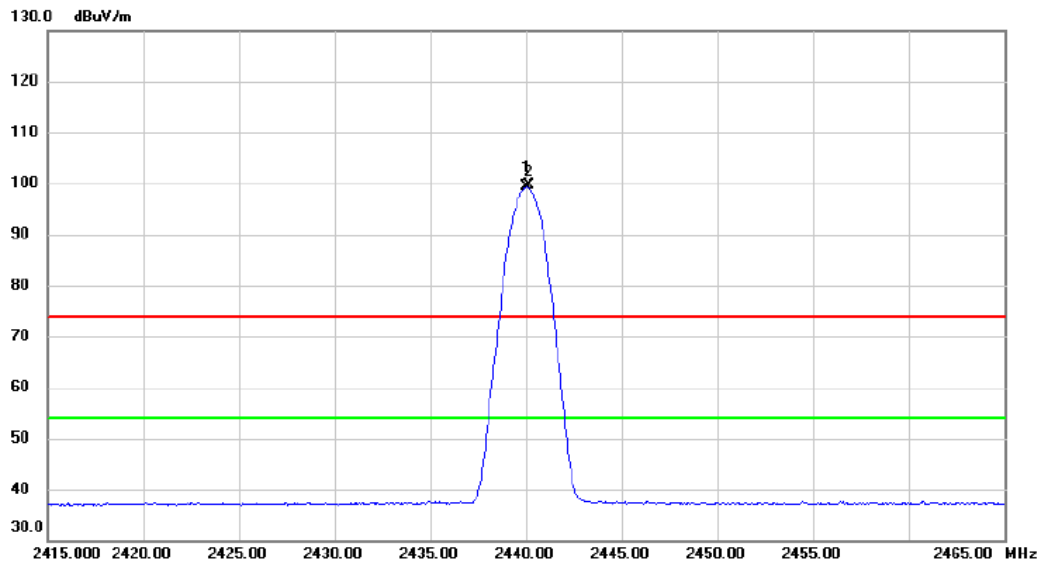
(1) Measurement Value = Reading Level + Correct Factor.

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

## **APPENDIX D - RADIATED EMISSION - ABOVE 1000 MHZ**



Test Mode	TX 2440 MHz _CH19_1Mbps	Polarization	Vertical
-----------	-------------------------	--------------	----------

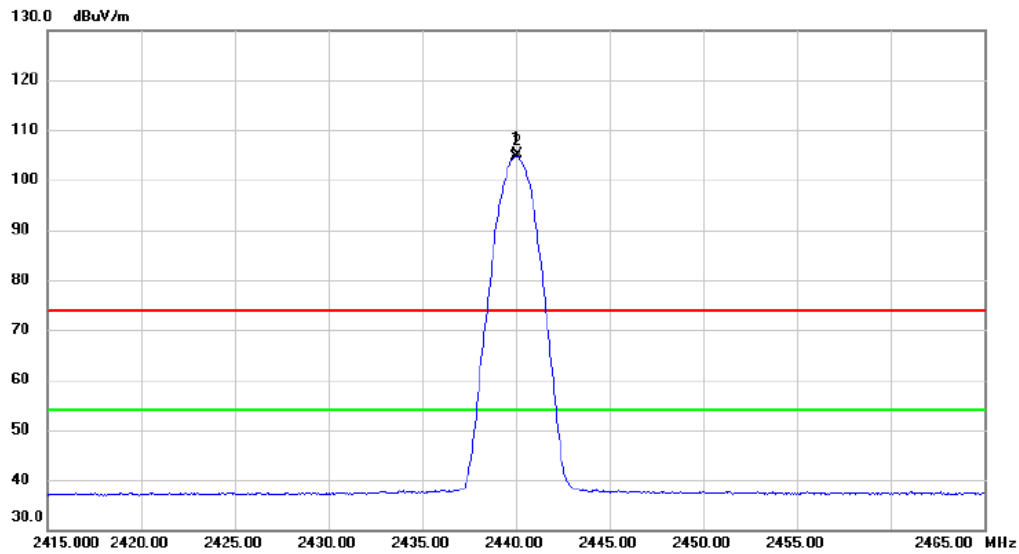


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	2440.050	91.72	7.54	99.26	54.00	45.26	AVG	No Limit
2	X	2440.175	92.19	7.54	99.73	74.00	25.73	peak	No Limit

## REMARKS:

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

Test Mode	TX 2440 MHz _CH19_1Mbps	Polarization	Horizontal
-----------	-------------------------	--------------	------------

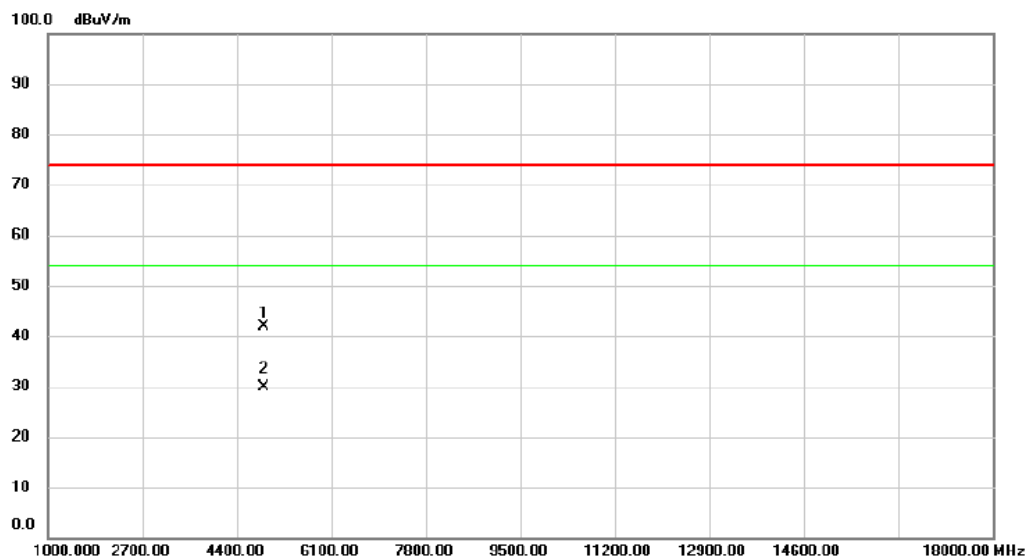


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2440.050	97.06	7.54	104.60	54.00	50.60	AVG	No Limit
2	X	2440.125	97.52	7.54	105.06	74.00	31.06	peak	No Limit

# REMARKS:

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

Test Mode	TX 2440 MHz _CH19_1Mbps	Polarization	Vertical
-----------	-------------------------	--------------	----------



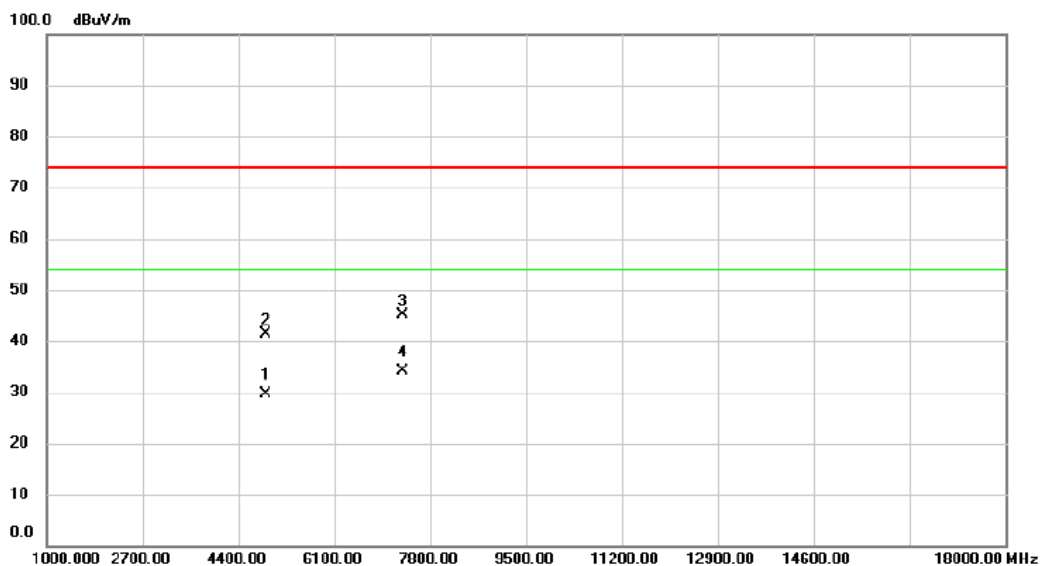
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4880.225	39.13	2.81	41.94	74.00	-32.06	peak	
2	*	4881.725	26.98	2.82	29.80	54.00	-24.20	AVG	

## REMARKS:

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

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

Test Mode	TX 2440 MHz _CH19_1Mbps	Polarization	Horizontal
-----------	-------------------------	--------------	------------

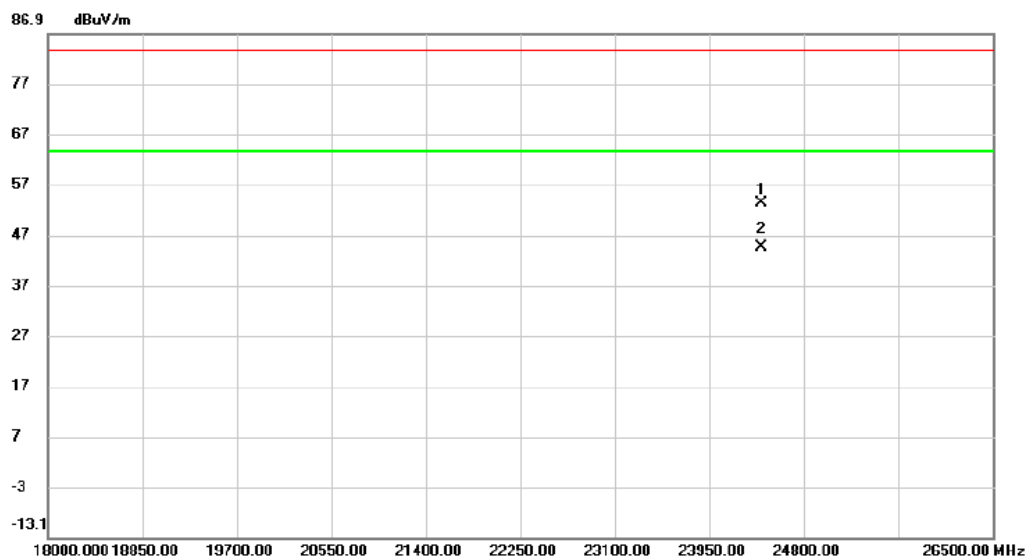


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		4885.150	26.91	2.82	29.73	54.00	-24.27	AVG	
2		4889.425	38.61	2.84	41.45	74.00	-32.55	peak	
3		7306.600	36.92	8.29	45.21	74.00	-28.79	peak	
4	*	7320.650	25.73	8.30	34.03	54.00	-19.97	AVG	

## REMARKS:

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

Test Mode	TX 2440 MHz _CH19_1Mbps	Polarization	Vertical
-----------	-------------------------	--------------	----------

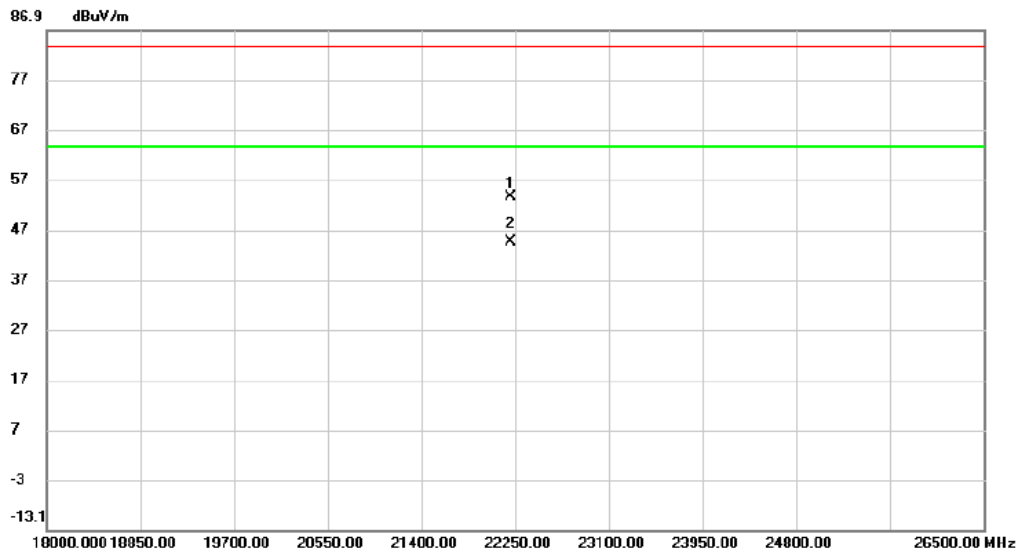


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		24421.750	51.24	2.09	53.33	83.50	-30.17	peak	
2	*	24421.750	42.33	2.09	44.42	63.50	-19.08	AVG	

## REMARKS:

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

Test Mode	TX 2440 MHz _CH19_1Mbps	Polarization	Horizontal
-----------	-------------------------	--------------	------------



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		22207.500	53.40	0.16	53.56	83.50	-29.94	peak	
2	*	22207.500	44.48	0.16	44.64	63.50	-18.86	AVG	

## REMARKS:

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

End of Test Repor