

FCC Radio Test Report

FCC ID: 2AX3BCTG6

This report concerns: Original Grant

Project No. : 2105C130
Equipment : AC2100 DUAL BAND GIGABIT WIFI ROUTER
Brand Name : Connectize
Test Model : G6
Series Model : G6X (X can be A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z and blank.)
Applicant : SHENZHEN TENO NETWORK TECHNOLOGIES CO.,LTD
Address : NO.415, 4F, ZHONGZHI NEXONE BUILDING, SANLIAN COMMUNITY, LONGHUA STREET, LONGHUA DISTRICT, SHENZHEN, CHINA
Manufacturer : SHENZHEN TENO NETWORK TECHNOLOGIES CO.,LTD
Address : NO.415, 4F, ZHONGZHI NEXONE BUILDING, SANLIAN COMMUNITY, LONGHUA STREET, LONGHUA DISTRICT, SHENZHEN, CHINA
Date of Receipt : May 20, 2021
Date of Test : May 20, 2021~Jun. 18, 2021
Issued Date : Jun. 29, 2021
Report Version : R00
Test Sample : Engineering Sample No.: DG2021052034
Standard(s) : FCC CFR Title 47, Part 15, Subpart C
FCC KDB 558074 D01 15.247 Meas Guidance v05r02
FCC KDB 662911 D01 Multiple Transmitter Output v02r01
ANSI C63.10-2013

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

Maker Qi

Prepared by : Maker Qi

Issac Song

Approved by : Issac Song



TESTING CERT #5123.03

Add: No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China

TEL: +86-021-61765666

Web: www.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** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, 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** 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.

Table of Contents	Page
REPORT ISSUED HISTORY	6
1 . SUMMARY OF TEST RESULTS	7
1.1 TEST FACILITY	8
1.2 MEASUREMENT UNCERTAINTY	8
1.3 TEST ENVIRONMENT CONDITIONS	8
2 . GENERAL INFORMATION	9
2.1 GENERAL DESCRIPTION OF EUT	9
2.2 DESCRIPTION OF TEST MODES	11
2.3 PARAMETERS OF TEST SOFTWARE	13
2.4 DUTY CYCLE	14
2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	16
2.6 SUPPORT UNITS	16
3 . AC POWER LINE CONDUCTED EMISSIONS	17
3.1 LIMIT	17
3.2 TEST PROCEDURE	17
3.3 DEVIATION FROM TEST STANDARD	17
3.4 TEST SETUP	18
3.5 EUT OPERATION CONDITIONS	18
3.6 TEST RESULTS	18
4 . RADIATED EMISSIONS	19
4.1 LIMIT	19
4.2 TEST PROCEDURE	20
4.3 DEVIATION FROM TEST STANDARD	21
4.4 TEST SETUP	21
4.5 EUT OPERATION CONDITIONS	22
4.6 TEST RESULTS - 9 KHZ TO 30 MHZ	22
4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ	22
4.8 TEST RESULTS - ABOVE 1000 MHZ	22
5 . BANDWIDTH	23
5.1 LIMIT	23
5.2 TEST PROCEDURE	23
5.3 DEVIATION FROM STANDARD	23
5.4 TEST SETUP	23

Table of Contents	Page
5.5 EUT OPERATION CONDITIONS	23
5.6 TEST RESULTS	23
6 . MAXIMUM OUTPUT POWER	24
6.1 LIMIT	24
6.2 TEST PROCEDURE	24
6.3 DEVIATION FROM STANDARD	24
6.4 TEST SETUP	24
6.5 EUT OPERATION CONDITIONS	24
6.6 TEST RESULTS	24
7 . CONDUCTED SPURIOUS EMISSIONS	25
7.1 LIMIT	25
7.2 TEST PROCEDURE	25
7.3 DEVIATION FROM STANDARD	25
7.4 TEST SETUP	25
7.5 EUT OPERATION CONDITIONS	25
7.6 TEST RESULTS	25
8 . POWER SPECTRAL DENSITY	26
8.1 LIMIT	26
8.2 TEST PROCEDURE	26
8.3 DEVIATION FROM STANDARD	26
8.4 TEST SETUP	26
8.5 EUT OPERATION CONDITIONS	26
8.6 TEST RESULTS	26
9 . MEASUREMENT INSTRUMENTS LIST	27
10 . EUT TEST PHOTO	29
APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS	32
APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ	37
APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ	38
APPENDIX D - RADIATED EMISSION- ABOVE 1000 MHZ	41
APPENDIX E - BANDWIDTH	90
APPENDIX F - MAXIMUM OUTPUT POWER	95
APPENDIX G - CONDUCTED SPURIOUS EMISSIONS	99

Table of Contents**Page****APPENDIX H - POWER SPECTRAL DENSITY****106**

REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Jun. 29, 2021

1. 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	-----
15.247(a)(2)	Bandwidth	APPENDIX E	PASS	-----
15.247(b)(3)	Maximum Output Power	APPENDIX F	PASS	-----
15.247(d)	Conducted Spurious Emissions	APPENDIX G	PASS	-----
15.247(e)	Power Spectral Density	APPENDIX H	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.

1.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No. 29, Jintang Road, Tangzhen Industry Park, Pudong New Area, Shanghai 201210, China
 BTL's Test Firm Registration Number for FCC: 476765
 BTL's Designation Number for FCC: CN1241

1.2 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% confidence level (based on a coverage factor (k=2))
 The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

Test Site	Method	Measurement Frequency Range	U, (dB)
SH-C01	CISPR	150 kHz ~ 30 MHz	2.70

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
SH-CB01	CISPR	9 KHz~30 MHz	V	3.79
		9 KHz~30 MHz	H	3.57
		30 MHz~200 MHz	V	4.04
		30 MHz~200 MHz	H	3.76
		200 MHz~1,000 MHz	V	4.24
		200 MHz~1,000 MHz	H	3.84
		1 GHz~18 GHz	V	4.46
		1 GHz~18 GHz	H	4.40
		18 GHz~40 GHz	V	3.95
		18 GHz~40 GHz	H	3.95

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

1.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By
AC Power Line Conducted Emissions	24°C	55%	AC 120V/60Hz AC 240V/50Hz	Andrews Tu
Radiated Emissions-30MHz to 1000MHz	24°C	58%	AC 120V/60Hz	Forest Li
Radiated Emissions-Above 1000MHz	24°C	58%	AC 120V/60Hz	Forest Li
Bandwidth	26°C	52%	AC 120V/60Hz	Vince Zong
Maximum Output Power	26°C	52%	AC 120V/60Hz	Vince Zong
Conducted Spurious Emissions	26°C	52%	AC 120V/60Hz	Vince Zong
Power Spectral Density	26°C	52%	AC 120V/60Hz	Vince Zong

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	AC2100 DUAL BAND GIGABIT WIFI ROUTER
Brand Name	Connectize
Test Model	G6
Series Model	G6X (X can be A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P, Q, R, S, T, U, V, W, X, Y, Z and blank.)
Model Difference(s)	Only different in the color and appearance.
Software Version	N/A
Hardware Version	N/A
Power Source	DC voltage supplied from AC/DC adapter. Brand/Model: SUNUN/SA182V-120150U
Power Rating	I/P:100-240V~ 50/60Hz 0.4A O/P:12V --- 1.5A
Operation Frequency	2412 MHz ~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Bit Rate of Transmitter	IEEE 802.11b: 11/5.5/2/1 Mbps IEEE 802.11g: 54/48/36/24/18/12/9/6 Mbps IEEE 802.11n: up to 300 Mbps
Maximum Output Power	IEEE 802.11b: 21.37 dBm (0.1371 W)

Note:

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

2. Channel List:

CH01 - CH11 for IEEE 802.11b, IEEE 802.11g, IEEE 802.11n(HT20)							
CH03 - CH09 for IEEE 802.11n(HT40)							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Antenna Specification:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Dipole	N/A	5
2	N/A	N/A	Dipole	N/A	5

Note:

- This EUT supports CDD, all antennas have the same gain, any transmit signals are correlated with each other, so for power spectral density measurements, the Directional gain= $G_{ANT} + \text{Array Gain}$, that is Directional gain= $5 + 10\log(2/1) = 8.01$; So power spectral density limit is $8 - 8.01 + 6 = 5.99$. For power measurements, Directional gain = $G_{ANT \text{ MAX.}} + \text{Array Gain}$, Array Gain = $0\text{dB} (N_{ANT} \leq 4)$, so the Directional gain = 5.
- The antenna gain is provided by the manufacturer.

4. Table for Antenna Configuration:

Operating Mode	TX Mode	Ant. 1	Ant. 2	Ant. 1+2
		IEEE 802.11b	✓	✓
IEEE 802.11g		✓	✓	×
IEEE 802.11n(HT20)		✓	✓	✓
IEEE 802.11n(HT40)		✓	✓	✓

2.2 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 B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX B Mode Channel 06

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 5	TX B Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 5	TX B Mode Channel 06

Radiated emissions test- Above 1GHz	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09

Conducted test	
Final Test Mode	Description
Mode 1	TX B Mode Channel 01/06/11
Mode 2	TX G Mode Channel 01/06/11
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09

NOTE:

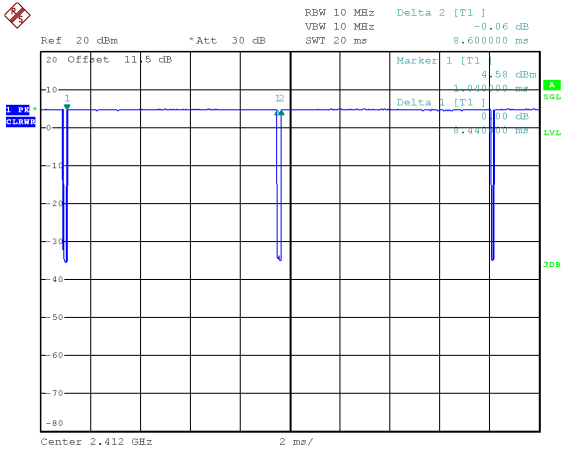
- (1) All the bit rate of transmitter have been tested and found the lowest rate is found to be the worst case and recorded.
- (2) For AC power line conducted emissions and radiated emission below 1 GHz test, the TX B Mode Channel 06 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.

2.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	MP_TEST V1.3.8.0		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	75.00	75.00	75.00
IEEE 802.11g	46.00	46.00	45.00
IEEE 802.11n(HT20)	44.00	44.00	41.00
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	40.00	40.00	40.00

2.4 DUTY CYCLE

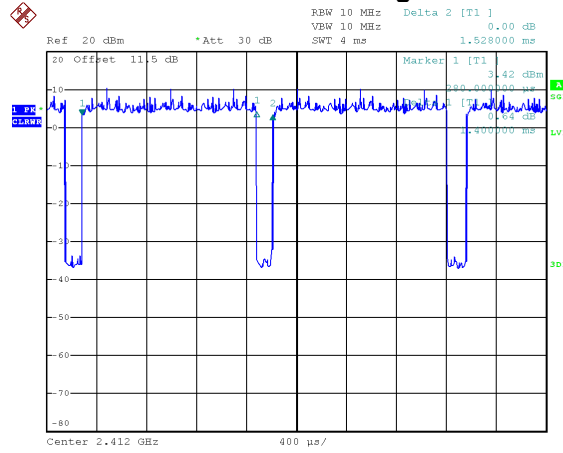
IEEE 802.11b



Date: 3.JUN.2021 21:47:45

Duty cycle = 8.440 ms / 8.600 ms = 98.14%
 Duty Factor = 10 log(1/Duty cycle) = 0.08

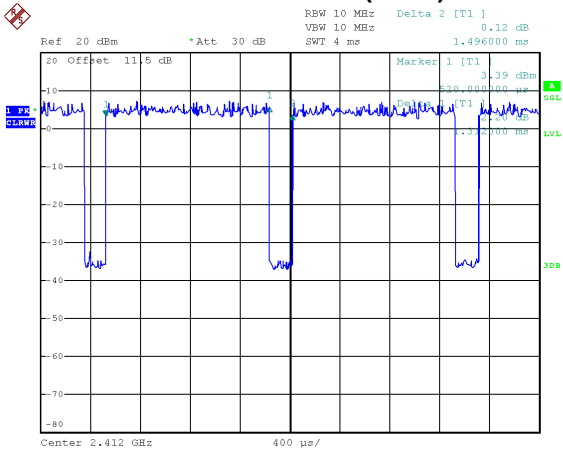
IEEE 802.11g



Date: 3.JUN.2021 21:49:01

Duty cycle = 1.400 ms / 1.520 ms = 92.11%
 Duty Factor = 10 log(1/Duty cycle) = 0.36

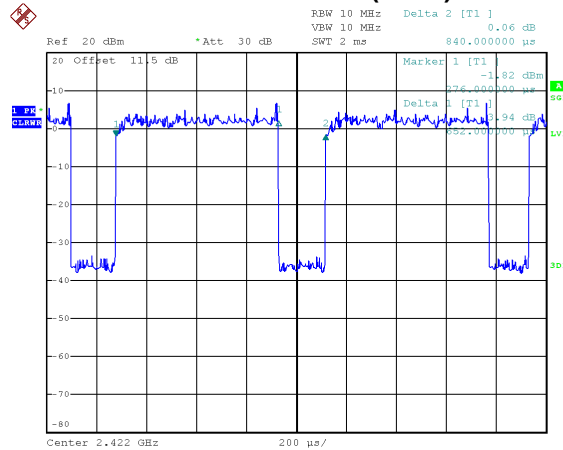
IEEE 802.11n(HT20)



Date: 3.JUN.2021 21:53:44

Duty cycle = 1.312 ms / 1.496 ms = 87.70%
 Duty Factor = 10 log(1/Duty cycle) = 0.57

IEEE 802.11n(HT40)



Date: 3.JUN.2021 21:58:43

Duty cycle = 0.652 ms / 0.840 ms = 77.62%
 Duty Factor = 10 log(1/Duty cycle) = 1.10

NOTE:

For IEEE 802.11b:

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 10Hz.

For IEEE 802.11g:

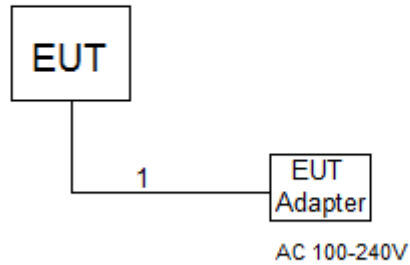
For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz.

For IEEE 802.11n(HT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 1 kHz.

For IEEE 802.11n(HT40):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 2 kHz.

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED**2.6 SUPPORT UNITS**

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	N/A	N/A	1m

3. AC POWER LINE CONDUCTED EMISSIONS

3.1 LIMIT

Frequency of Emission (MHz)	Limit (dB μ V)	
	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.

3.2 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.

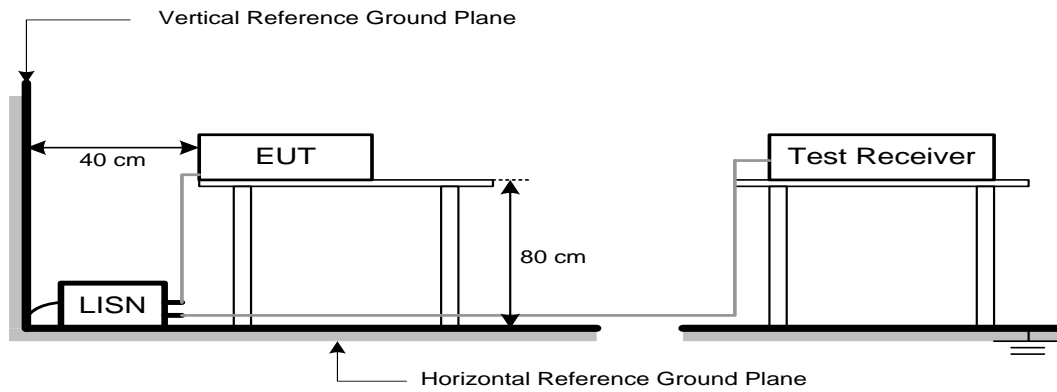
The following table is the setting of the receiver:

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

3.3 DEVIATION FROM TEST STANDARD

No deviation.

3.4 TEST SETUP



3.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

3.6 TEST RESULTS

Please refer to the APPENDIX A.

4. RADIATED EMISSIONS

4.1 LIMIT

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) 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)	(dBuV/m at 3 m)	
	Peak	Average
Above 1000	74	54

NOTE:

- (1) The limit for radiated test was performed according to FCC CFR Title 47, Part 15, Subpart C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

4.2 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 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 1 GHz)
- 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

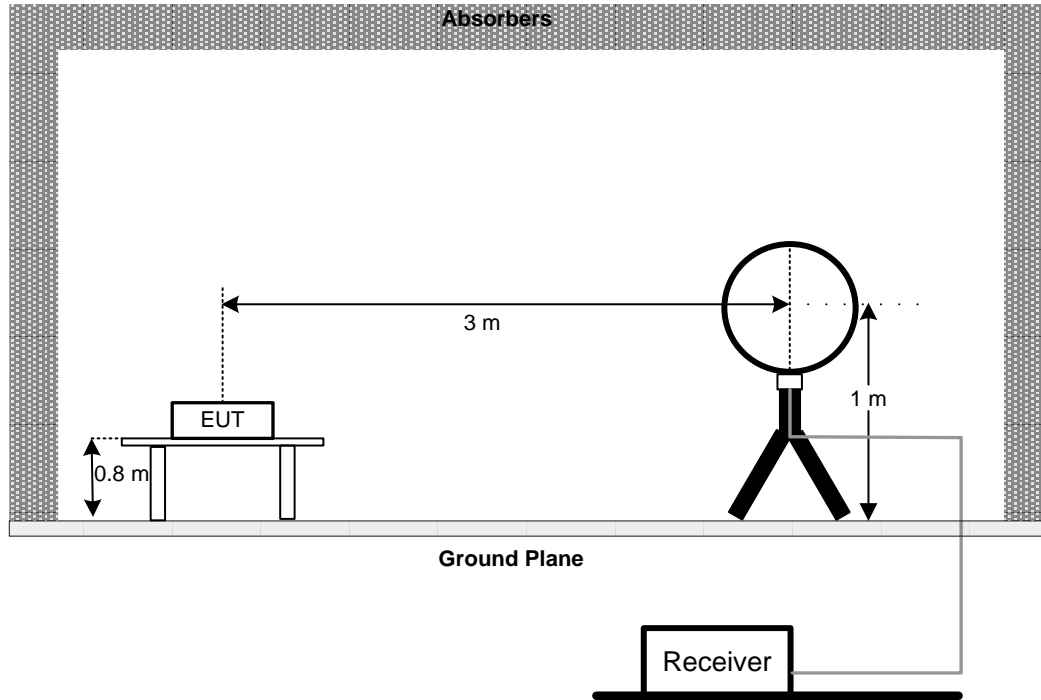
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

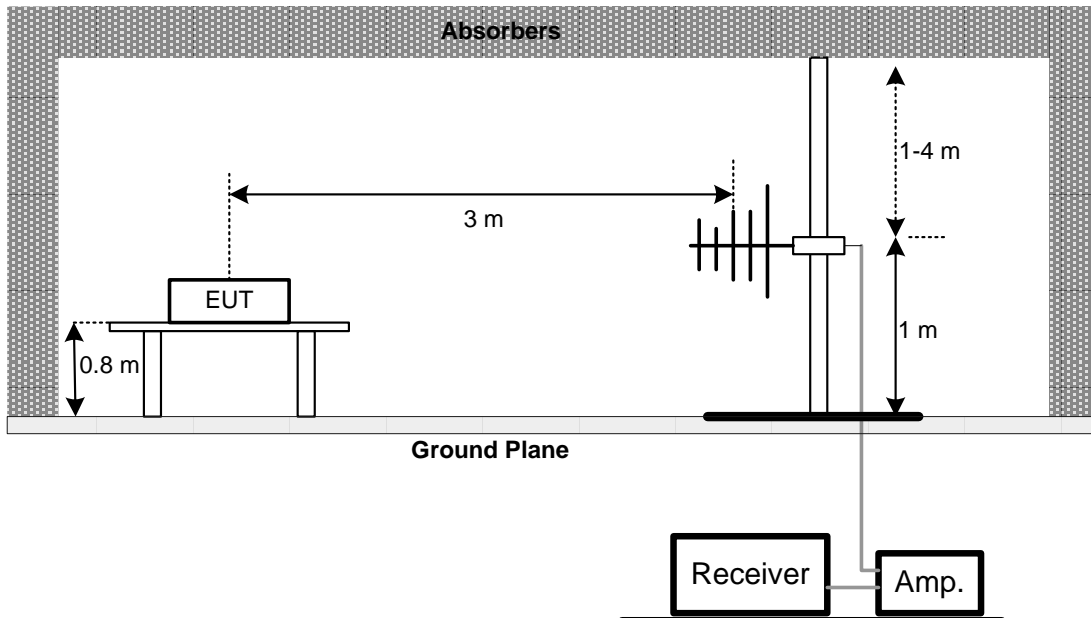
No deviation.

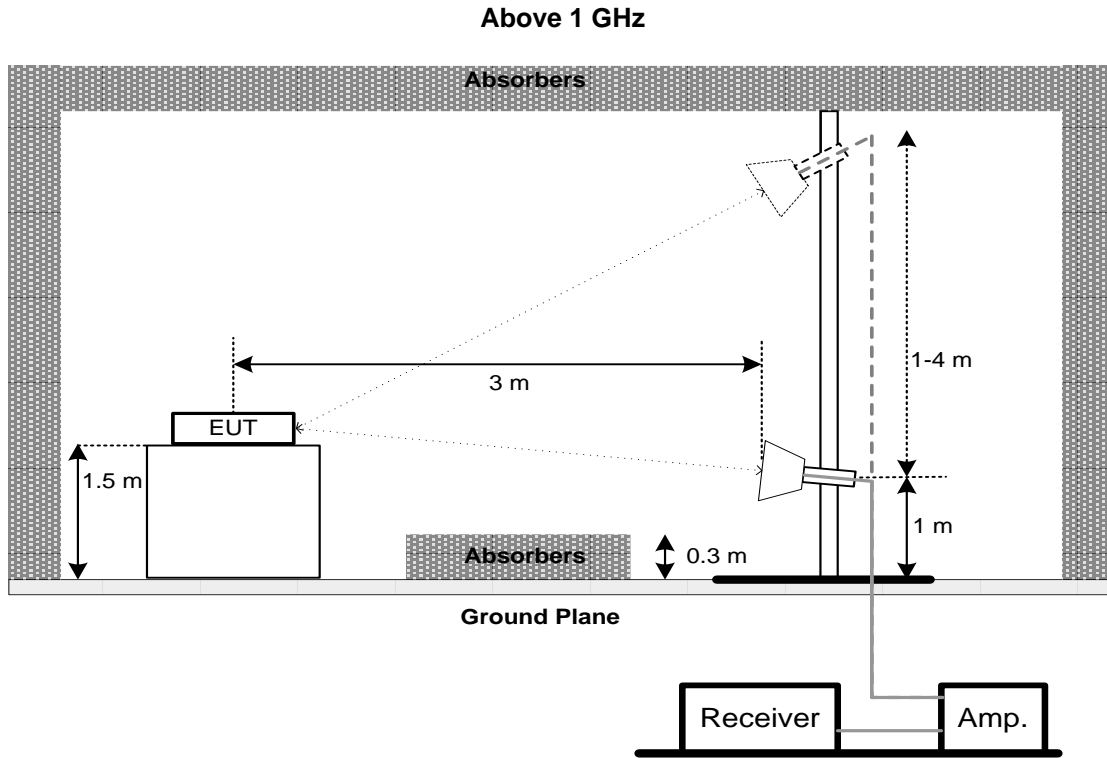
4.4 TEST SETUP

9 kHz to 30 MHz



30 MHz to 1 GHz





4.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS - 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.

4.7 TEST RESULTS - 30 MHZ TO 1000 MHZ

Please refer to the APPENDIX C.

4.8 TEST RESULTS - 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.

5. BANDWIDTH

5.1 LIMIT

Section	Test Item	Limit
FCC 15.247(a)(2)	6 dB Bandwidth	Minimum 500 kHz
	99% Emission Bandwidth	-

5.2 TEST PROCEDURE

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

For 6 dB Bandwidth:

Spectrum Parameters	Setting
Span Frequency	> Measurement Bandwidth
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

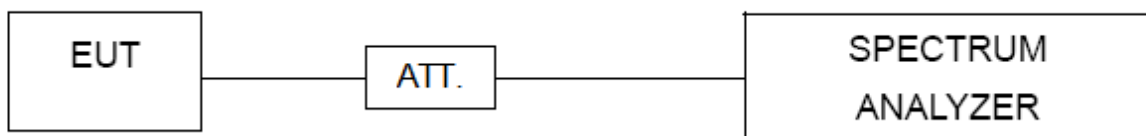
For 99% Emission Bandwidth:

Spectrum Parameters	Setting
Span Frequency	Between 1.5 times and 5.0 times the OBW
RBW	300 kHz For 20MHz 1 MHz For 40MHz
VBW	1 MHz For 20MHz 3 MHz For 40MHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS

Please refer to the APPENDIX E.

6. MAXIMUM OUTPUT POWER

6.1 LIMIT

Section	Test Item	Limit
FCC 15.247(b)(3)	Maximum Output Power	1.0000 Watt or 30.00 dBm

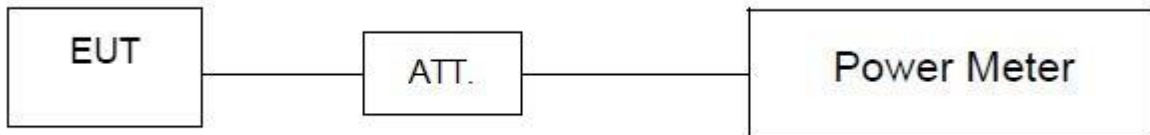
6.2 TEST PROCEDURE

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.1.3 (for peak power) of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

6.3 DEVIATION FROM STANDARD

No deviation.

6.4 TEST SETUP



6.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.6 TEST RESULTS

Please refer to the APPENDIX F.

7. CONDUCTED SPURIOUS EMISSIONS

7.1 LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak Output Power limits. If the transmitter complies with the Output Power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

7.2 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- b. The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	300 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TEST RESULTS

Please refer to the APPENDIX G.

8. POWER SPECTRAL DENSITY

8.1 LIMIT

Section	Test Item	Limit
FCC 15.247(e)	Power Spectral Density	8 dBm (in any 3 kHz)

8.2 TEST PROCEDURE

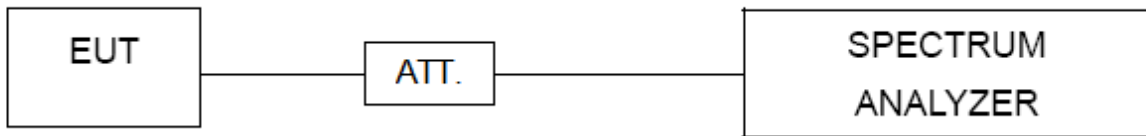
- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below.
- The following table is the setting of the spectrum analyzer:

Spectrum Parameters	Setting
Span Frequency	25 MHz (20 MHz) / 60 MHz (40 MHz)
RBW	3 kHz
VBW	10 kHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.6 TEST RESULTS

Please refer to the APPENDIX H.

9. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Line Impedance Stabilisation Network	Schwarzbeck	NNLK 8121	8121-822	Mar. 20, 2022
2	TWO-LINE V-NETWORK	R&S	ENV216	101340	Aug. 23, 2021
3	Test Cable	emci	EMCRG400-BM-N M-10000	170628	Apr. 11, 2022
4	EMI Test Receiver	R&S	ESCI	100082	Mar. 21, 2022
5	50Ω Terminator	SHX	TF2-1G-A	17051602	Mar. 20, 2022
6	50Ω coaxial switch	Anritsu	MP59B	6201750902	Mar. 20, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Loop Antenna	EMCI	EMCI LPA600	275	Apr. 15, 2022
2	Cable	N/A	EMCRG400-BM-N M-10000	170628	Apr. 11, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2022
4	Measurement Software	Farad	EZ-EMC Ver.BTL-2ANT-1	N/A	N/A

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	719	Mar. 26, 2022
2	Pre-Amplifier	emci	EMC9135	980400	Mar. 20, 2022
3	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2022
4	Test Cable	emci	EMC104-SM-SM-7 000	170330	Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-1 000	170331	Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-NM-3 500	170621	Apr. 11, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	9120D	9120D-1786	Mar. 26, 2022
2	Pre-Amplifier	emci	EMC012645SE	980421	May. 10, 2022
3	EXA Spectrum Analyzer	Keysight	N9010A	MY56480545	Mar. 20, 2022
4	Test Cable	emci	EMC104-SM-SM-7000	170330	Apr. 11, 2022
5	Test Cable	emci	EMC104-SM-SM-1000	170331	Apr. 11, 2022
6	Test Cable	emci	EMC104-SM-NM-3500	170621	Apr. 11, 2022
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	MXE EMI Receiver	Keysight	N9038A	MY57150106	Mar. 21, 2022
9	Double-Ridged Waveguide Horn Antenna	ETS-Lindgren	3116C	00203919	Mar. 27, 2022
10	Pre-Amplifier	emci	EMC184045SE	980409	Mar. 20, 2022
11	Test Cable	emci	EMC102-KM-KM-800	170654	Apr. 15, 2022
12	Test Cable	emci	Super Reliable-40G-SS11-7000	W0030860001	Apr. 15, 2022

Bandwidth					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

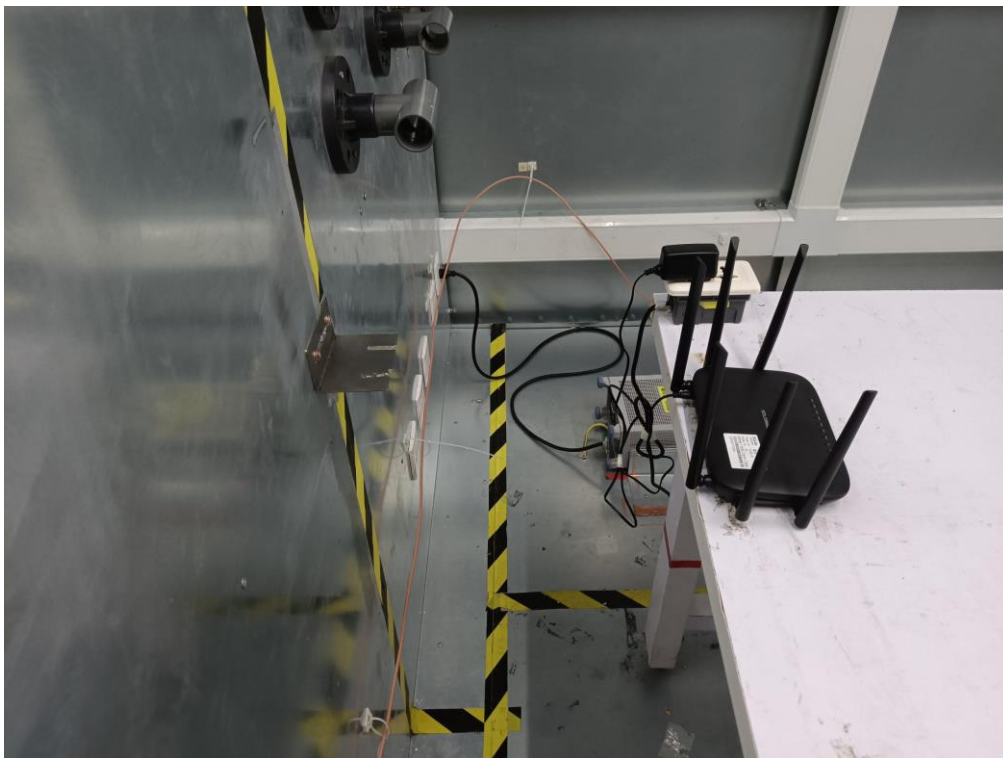
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

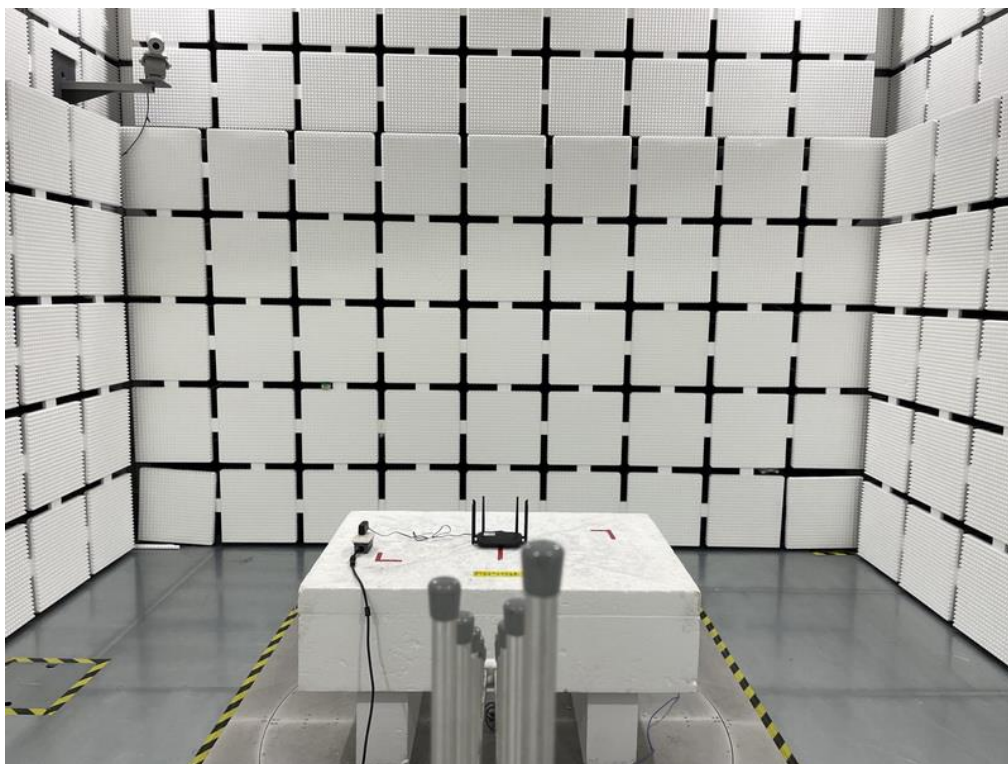
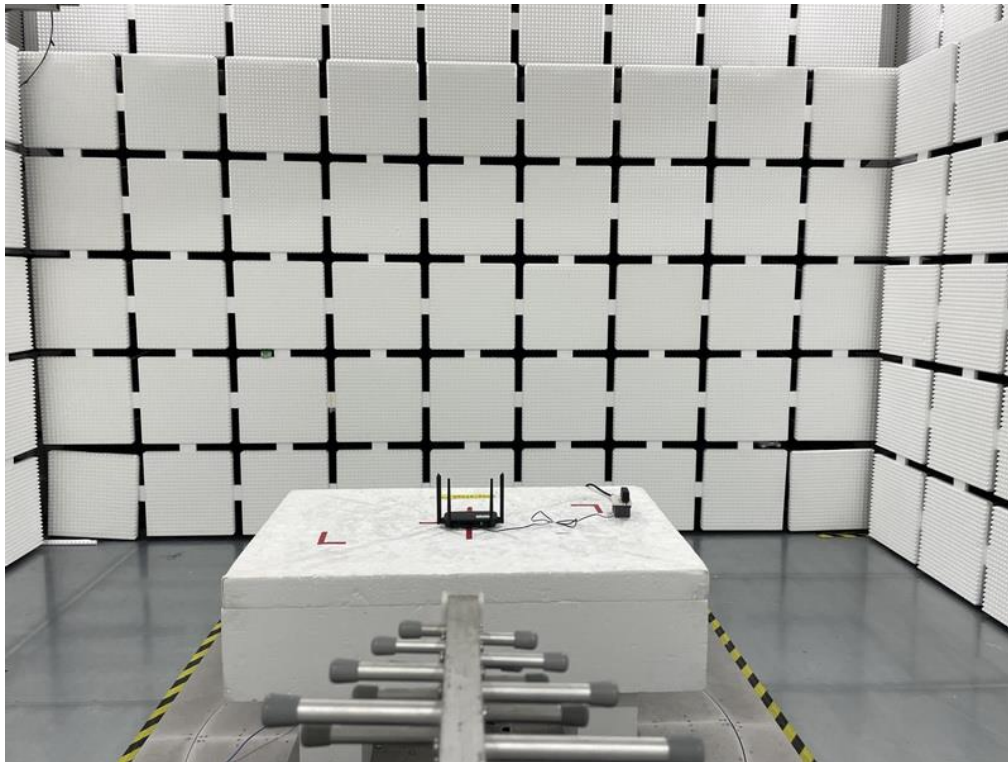
Antenna Conducted Spurious Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

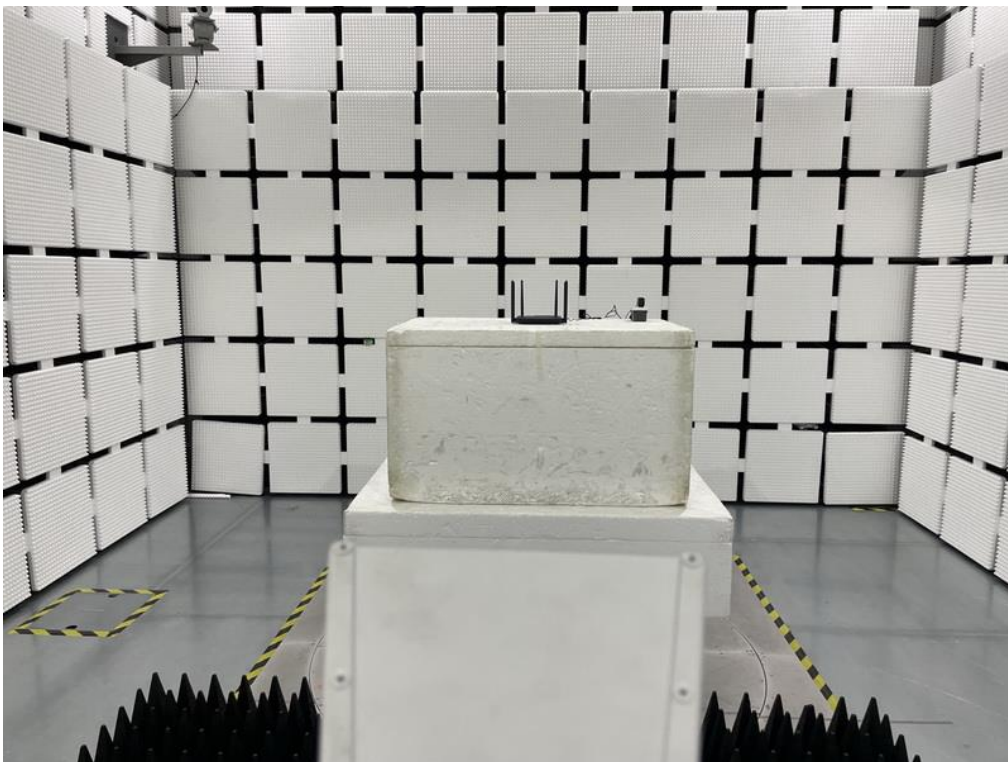
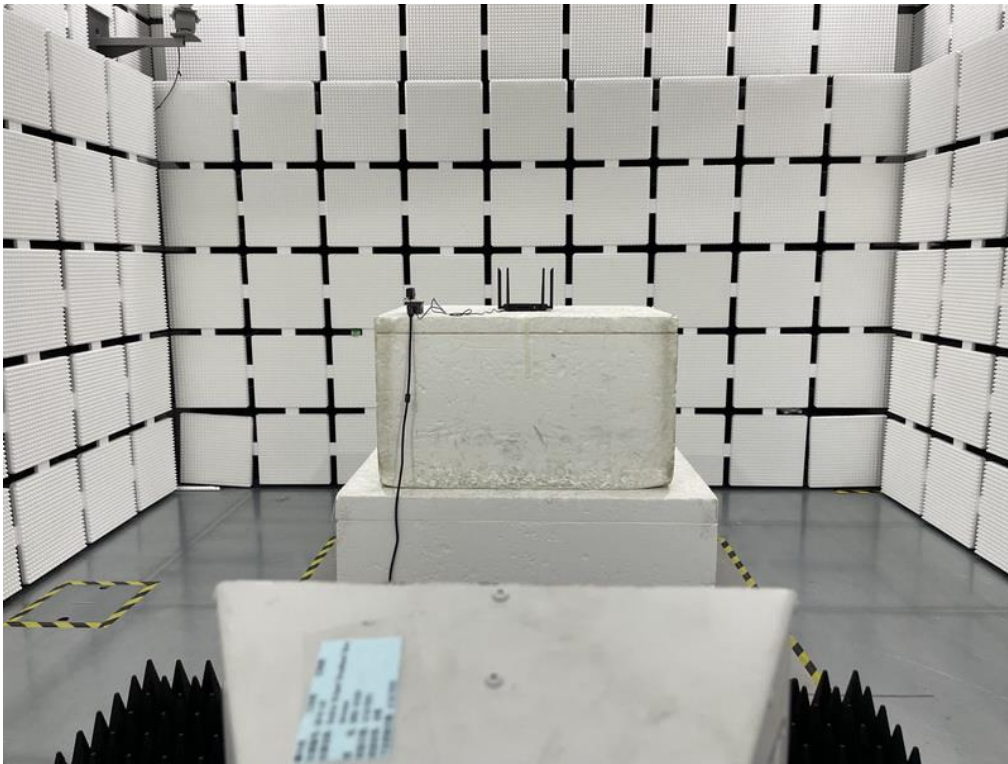
Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100626	Mar. 07, 2022
2	Attenuator	Solvang Technology	5.8GHz 0-65dB	STI02-0203-01	Aug. 23, 2021

Remark: "N/A" denotes no model name, serial no. or calibration specified.

All calibration period of equipment list is one year.

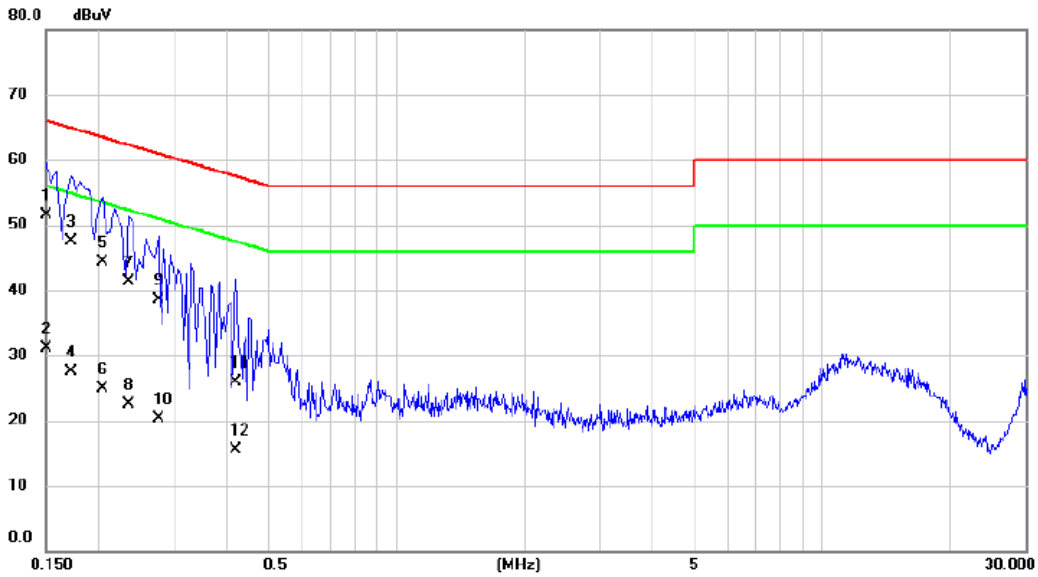
10. EUT TEST PHOTO**AC Power Line Conducted Emissions Test Photos**

Radiated Emissions Test Photos**30 MHz to 1 GHz**

Radiated Emissions Test Photos**Above 1 GHz**

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX B Mode Channel 06	Phase	Line
Test Voltage	AC 120V/60Hz		

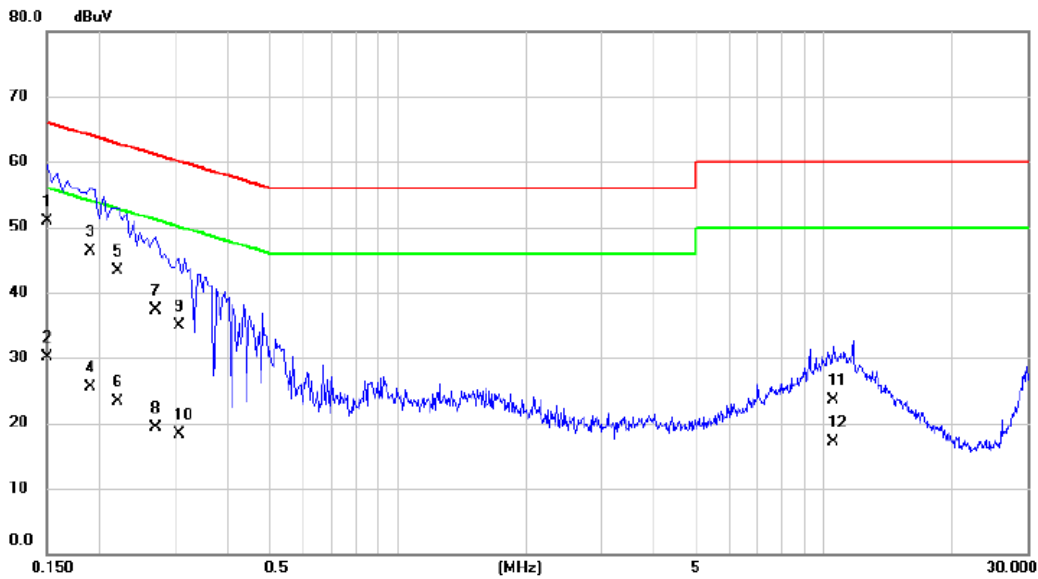


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1500	41.70	9.71	51.41	66.00	-14.59	QP	
2		0.1500	21.30	9.71	31.01	56.00	-24.99	AVG	
3		0.1725	37.80	9.73	47.53	64.84	-17.31	QP	
4		0.1725	17.80	9.73	27.53	54.84	-27.31	AVG	
5		0.2040	34.60	9.74	44.34	63.45	-19.11	QP	
6		0.2040	15.10	9.74	24.84	53.45	-28.61	AVG	
7		0.2355	31.50	9.74	41.24	62.25	-21.01	QP	
8		0.2355	12.70	9.74	22.44	52.25	-29.81	AVG	
9		0.2760	28.70	9.76	38.46	60.94	-22.48	QP	
10		0.2760	10.50	9.76	20.26	50.94	-30.68	AVG	
11		0.4200	16.20	9.78	25.98	57.45	-31.47	QP	
12		0.4200	5.70	9.78	15.48	47.45	-31.97	AVG	

REMARKS:

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

Test Mode	TX B Mode Channel 06	Phase	Neutral
Test Voltage	AC 120V/60Hz		

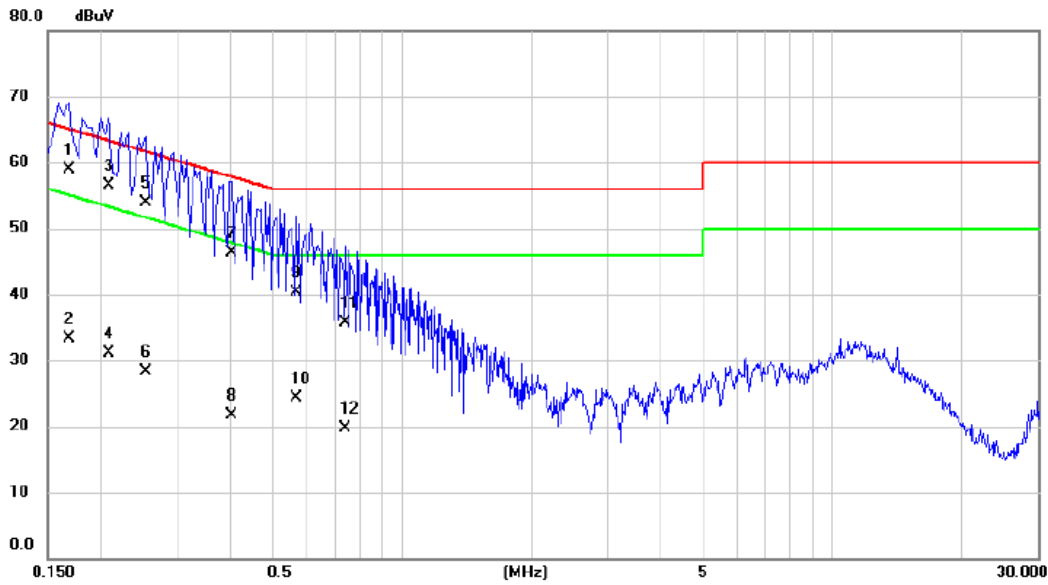


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1500	41.30	9.68	50.98	66.00	-15.02	QP	
2		0.1500	20.50	9.68	30.18	56.00	-25.82	AVG	
3		0.1905	36.60	9.71	46.31	64.01	-17.70	QP	
4		0.1905	15.70	9.71	25.41	54.01	-28.60	AVG	
5		0.2197	33.50	9.71	43.21	62.83	-19.62	QP	
6		0.2197	13.60	9.71	23.31	52.83	-29.52	AVG	
7		0.2714	27.60	9.73	37.33	61.07	-23.74	QP	
8		0.2714	9.50	9.73	19.23	51.07	-31.84	AVG	
9		0.3075	25.10	9.73	34.83	60.04	-25.21	QP	
10		0.3075	8.50	9.73	18.23	50.04	-31.81	AVG	
11		10.5225	13.20	10.30	23.50	60.00	-36.50	QP	
12		10.5225	6.90	10.30	17.20	50.00	-32.80	AVG	

REMARKS:

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

Test Mode	TX B Mode Channel 06	Phase	Line
Test Voltage	AC 240V/50Hz		

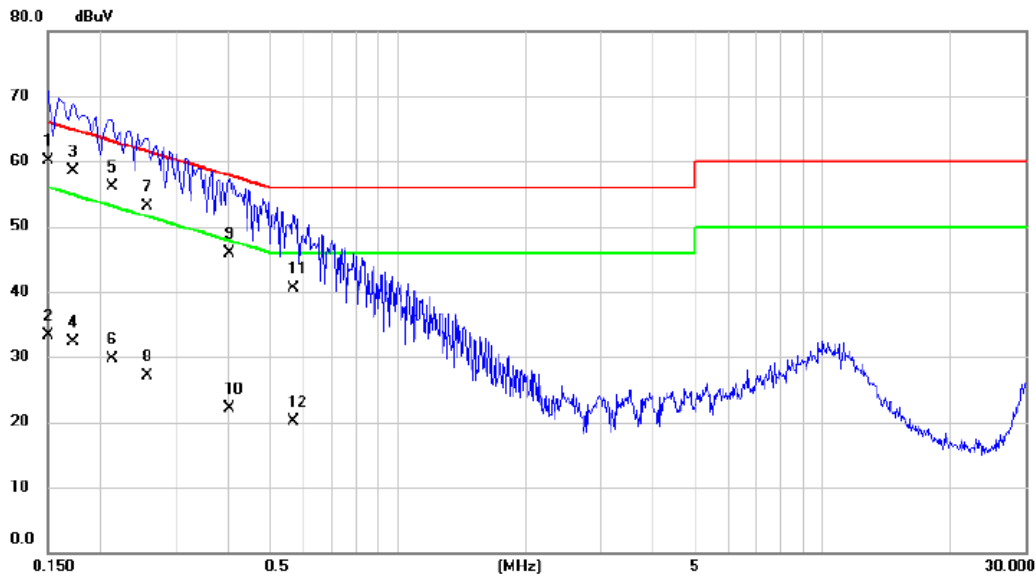


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1680	49.10	9.73	58.83	65.06	-6.23	QP	
2		0.1680	23.60	9.73	33.33	55.06	-21.73	AVG	
3		0.2085	46.70	9.74	56.44	63.26	-6.82	QP	
4		0.2085	21.30	9.74	31.04	53.26	-22.22	AVG	
5		0.2535	44.10	9.76	53.86	61.64	-7.78	QP	
6		0.2535	18.50	9.76	28.26	51.64	-23.38	AVG	
7		0.4020	36.60	9.78	46.38	57.81	-11.43	QP	
8		0.4020	12.00	9.78	21.78	47.81	-26.03	AVG	
9		0.5685	30.60	9.80	40.40	56.00	-15.60	QP	
10		0.5685	14.60	9.80	24.40	46.00	-21.60	AVG	
11		0.7395	25.90	9.81	35.71	56.00	-20.29	QP	
12		0.7395	9.90	9.81	19.71	46.00	-26.29	AVG	

REMARKS:

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

Test Mode	TX B Mode Channel 06	Phase	Neutral
Test Voltage	AC 240V/50Hz		



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	*	0.1500	50.50	9.68	60.18	66.00	-5.82	QP	
2		0.1500	23.70	9.68	33.38	56.00	-22.62	AVG	
3		0.1725	48.80	9.70	58.50	64.84	-6.34	QP	
4		0.1725	22.70	9.70	32.40	54.84	-22.44	AVG	
5		0.2130	46.30	9.71	56.01	63.09	-7.08	QP	
6		0.2130	19.90	9.71	29.61	53.09	-23.48	AVG	
7		0.2580	43.40	9.73	53.13	61.50	-8.37	QP	
8		0.2580	17.40	9.73	27.13	51.50	-24.37	AVG	
9		0.4020	36.20	9.76	45.96	57.81	-11.85	QP	
10		0.4020	12.40	9.76	22.16	47.81	-25.65	AVG	
11		0.5685	30.70	9.78	40.48	56.00	-15.52	QP	
12		0.5685	10.40	9.78	20.18	46.00	-25.82	AVG	

REMARKS:

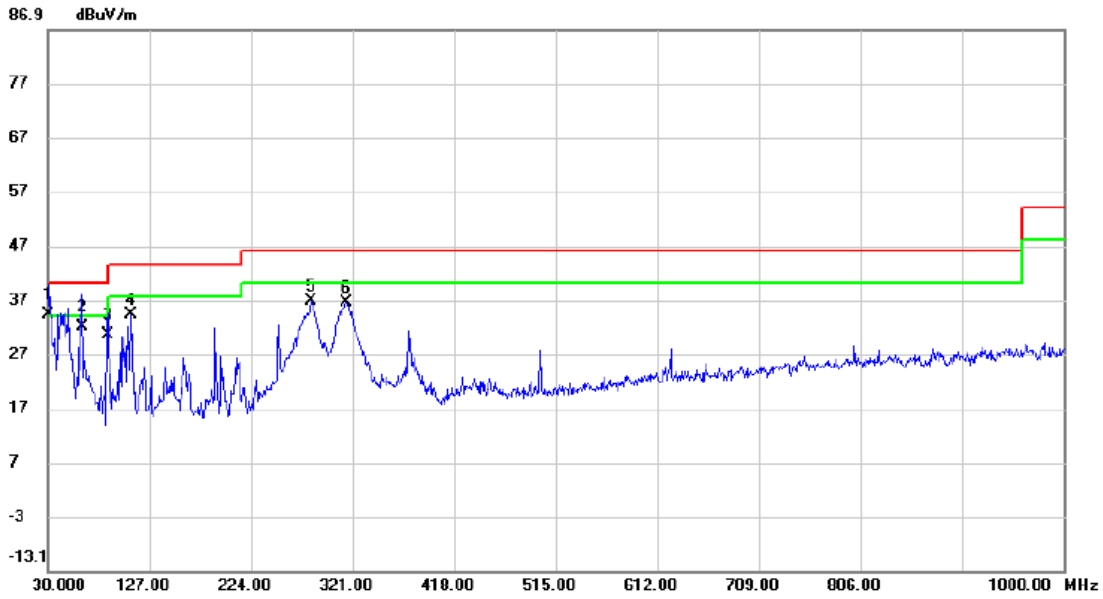
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Note: The measured value have enough margin over 20dB than the limit, therefore they are not reported.

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX B Mode Channel 06	Polarization	Vertical
-----------	----------------------	--------------	----------

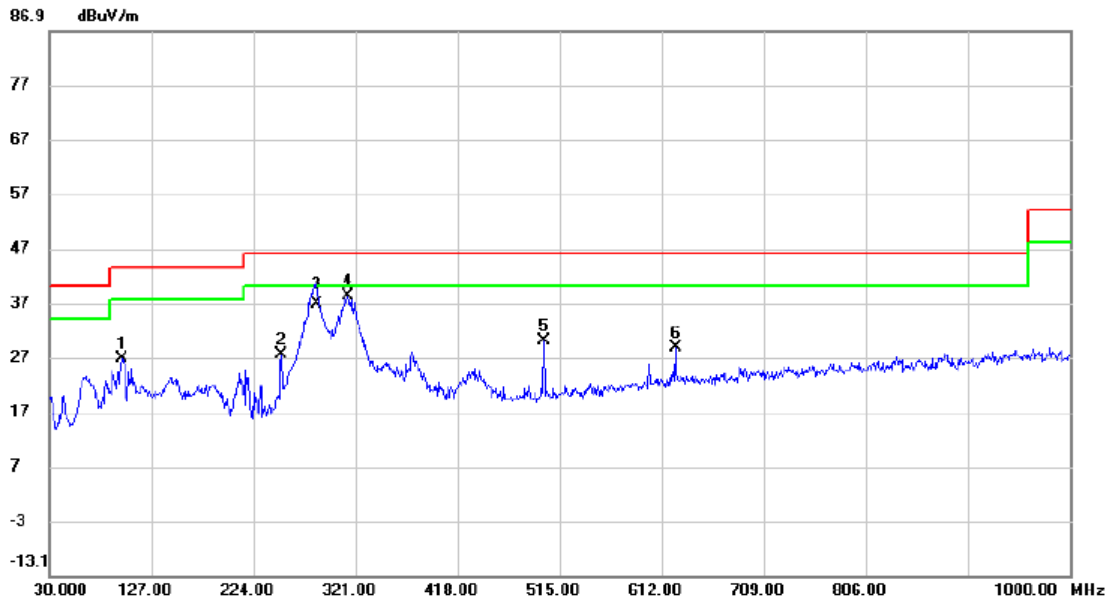


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	*	30.9700	52.66	-18.39	34.27	40.00	-5.73	QP	
2		62.9800	49.66	-17.54	32.12	40.00	-7.88	QP	
3		87.2300	52.50	-22.07	30.43	40.00	-9.57	QP	
4		110.0250	54.06	-19.71	34.35	43.50	-9.15	peak	
5		281.7150	52.76	-16.04	36.72	46.00	-9.28	peak	
6		314.6950	51.77	-15.20	36.57	46.00	-9.43	peak	

REMARKS:

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

Test Mode	TX B Mode Channel 06	Polarization	Horizontal
-----------	----------------------	--------------	------------



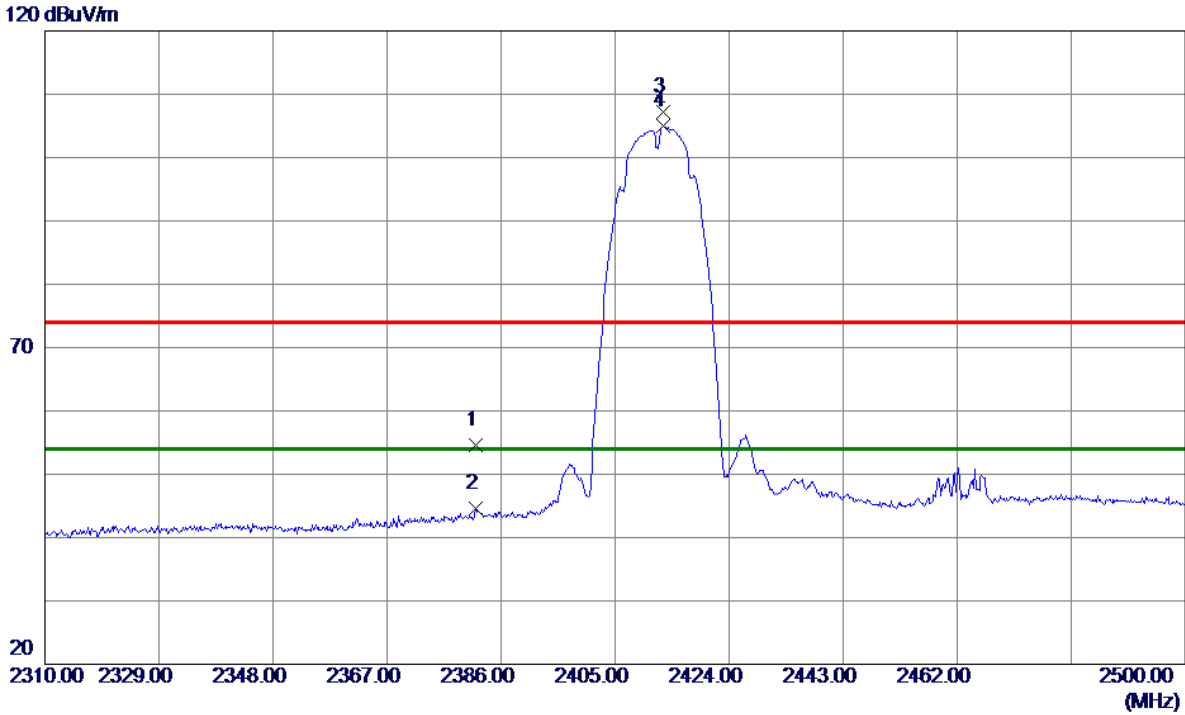
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		98.8700	48.15	-21.33	26.82	43.50	-16.68	peak	
2		250.1900	44.88	-17.36	27.52	46.00	-18.48	peak	
3		283.6550	52.85	-16.01	36.84	46.00	-9.16	QP	
4	*	313.7250	53.55	-15.23	38.32	46.00	-7.68	peak	
5		499.9650	41.36	-11.21	30.15	46.00	-15.85	peak	
6		625.0950	37.75	-8.86	28.89	46.00	-17.11	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 B Mode 2412 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2381.7250	22.91	31.76	54.67	74.00	-19.33	Peak	
2	2381.7250	12.82	31.76	44.58	54.00	-9.42	AVG	
3	2412.9800	75.55	31.72	107.27	74.00	33.27	Peak	NO limit
4 *	2412.9800	73.22	31.72	104.94	54.00	50.94	AVG	NO limit

REMARKS:

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

Test Mode	TX B Mode 2412 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------

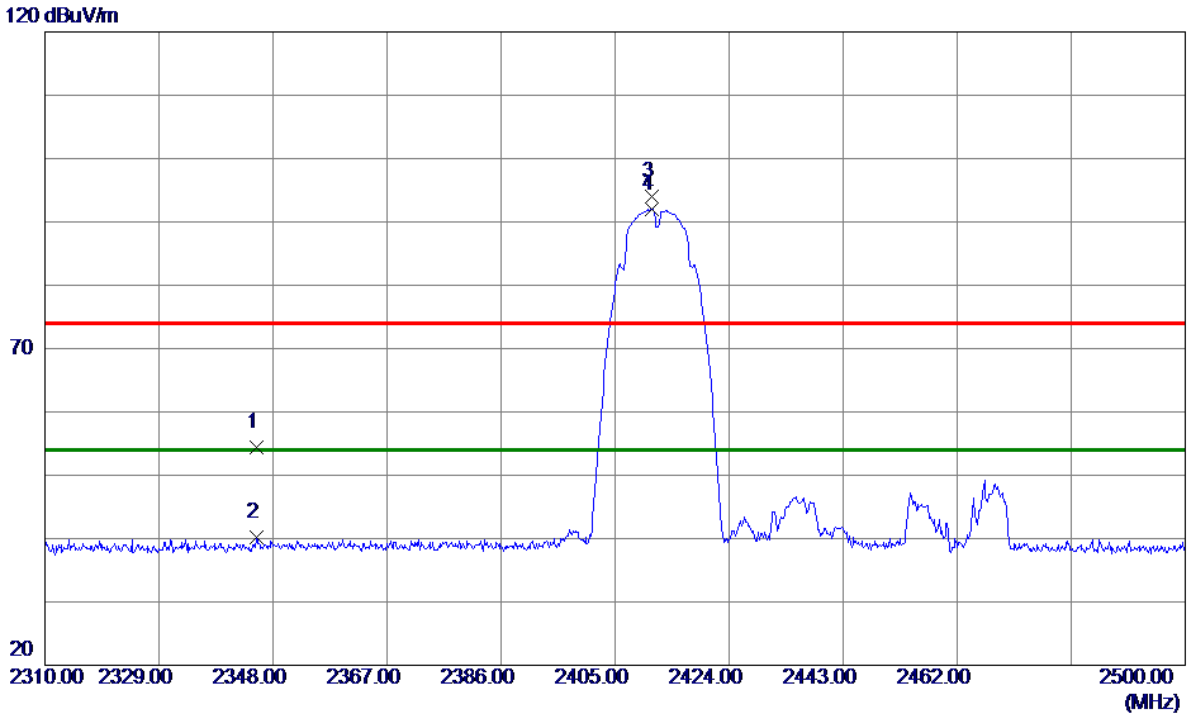


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4823.7250	55.37	-9.85	45.52	74.00	-28.48	Peak	

REMARKS:

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2345.1500	22.62	31.83	54.45	74.00	-19.55	Peak	
2	2345.1500	8.35	31.83	40.18	54.00	-13.82	AVG	
3	2411.0800	62.23	31.72	93.95	74.00	19.95	Peak	NO limit
4 *	2411.0800	60.28	31.72	92.00	54.00	38.00	AVG	NO limit

REMARKS:

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

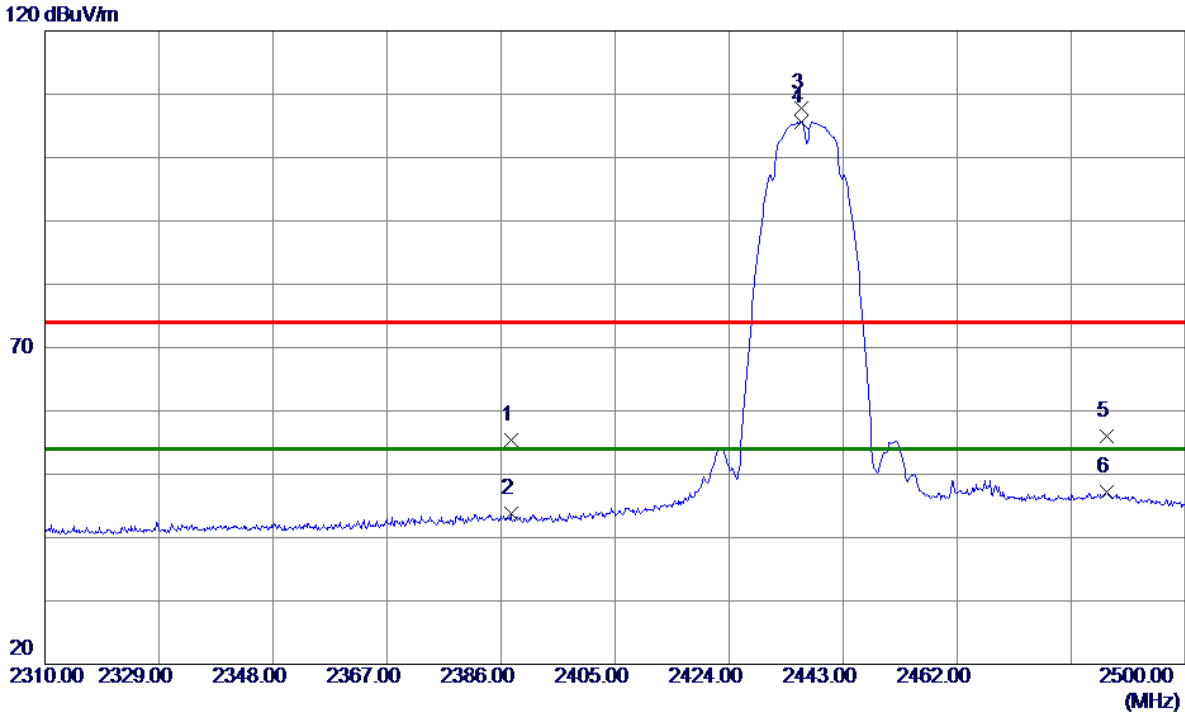


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	51.80	-9.85	41.95	74.00	-32.05	Peak	

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------

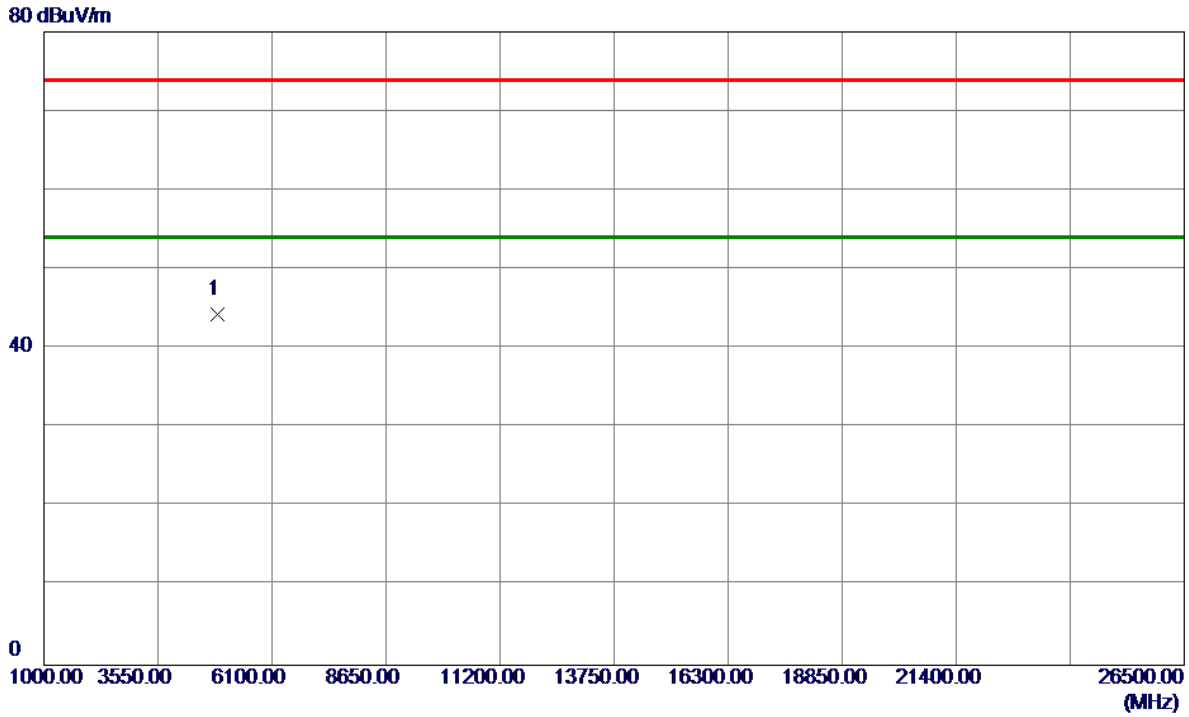


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2387.6150	23.60	31.74	55.34	74.00	-18.66	Peak	
2	2387.6150	12.04	31.74	43.78	54.00	-10.22	AVG	
3	2436.0650	76.01	31.72	107.73	74.00	33.73	Peak	NO limit
4 *	2436.0650	73.92	31.72	105.64	54.00	51.64	AVG	NO limit
5	2486.9850	24.32	31.71	56.03	74.00	-17.97	Peak	
6	2486.9850	15.46	31.71	47.17	54.00	-6.83	AVG	

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------

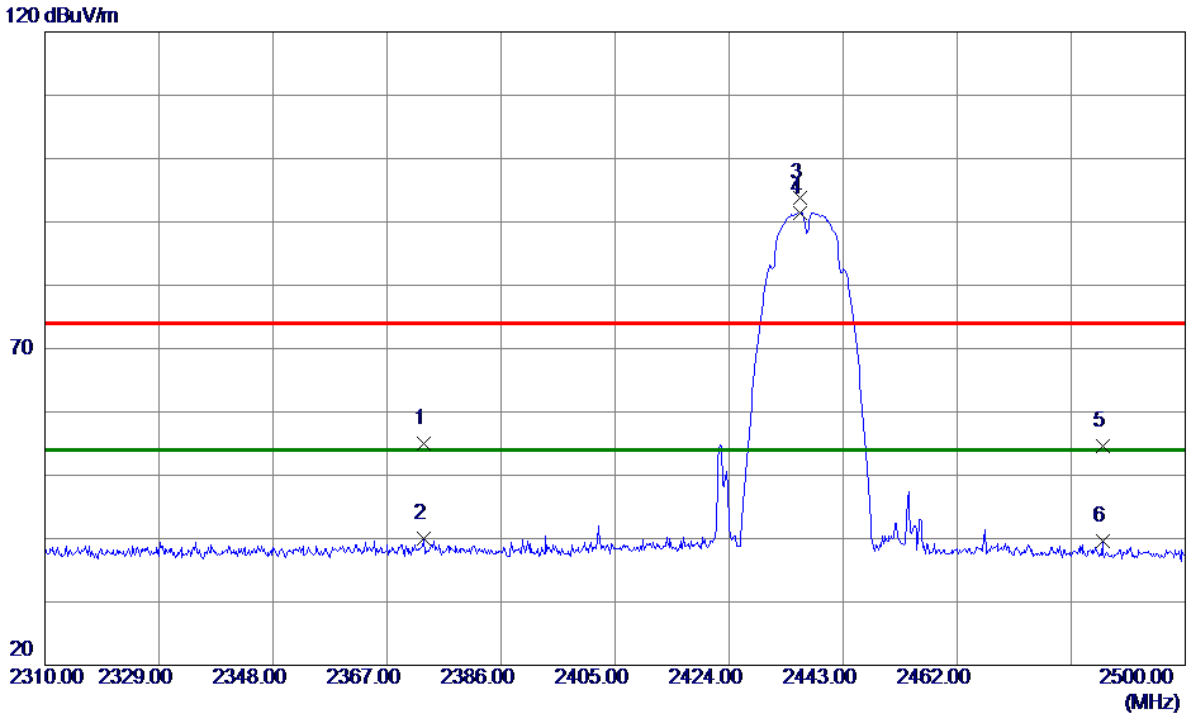


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.7250	54.14	-9.77	44.37	74.00	-29.63	Peak	

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

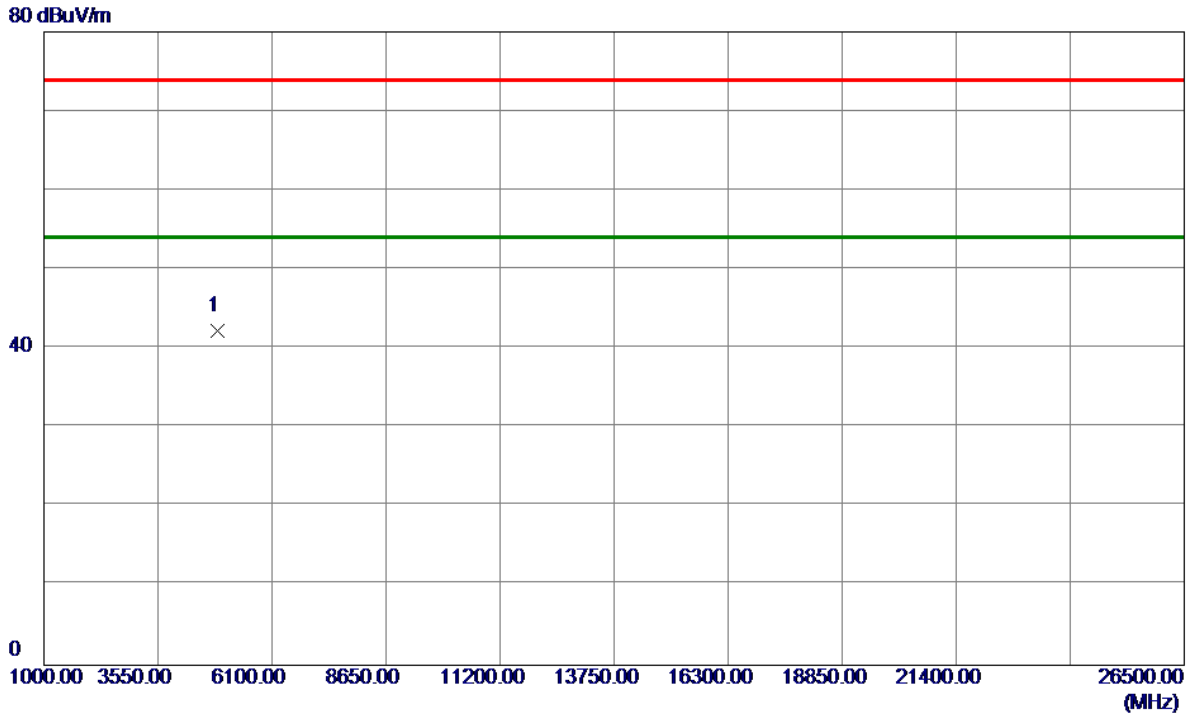


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2373.1750	23.21	31.77	54.98	74.00	-19.02	Peak	
2	2373.1750	8.18	31.77	39.95	54.00	-14.05	AVG	
3	2435.8750	62.04	31.72	93.76	74.00	19.76	Peak	NO limit
4 *	2435.8750	59.77	31.72	91.49	54.00	37.49	AVG	NO limit
5	2486.2250	22.84	31.71	54.55	74.00	-19.45	Peak	
6	2486.2250	7.84	31.71	39.55	54.00	-14.45	AVG	

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

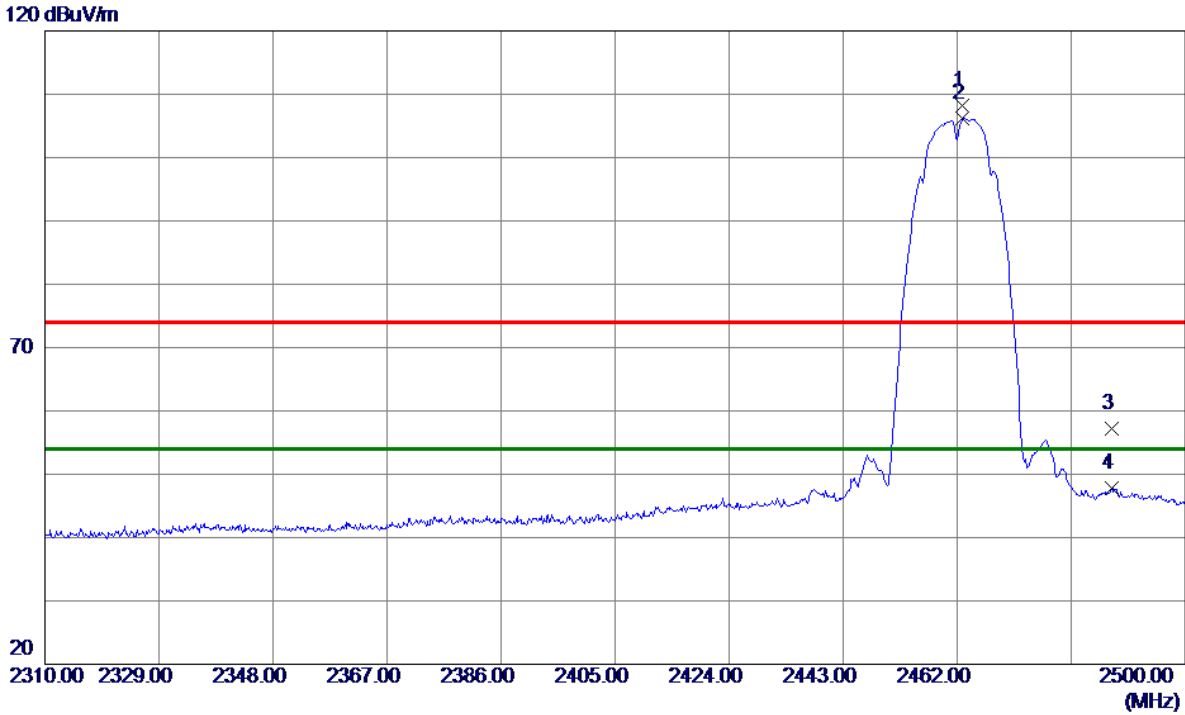


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	51.98	-9.77	42.21	74.00	-31.79	Peak	

REMARKS:

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

Test Mode	TX B Mode 2462 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------

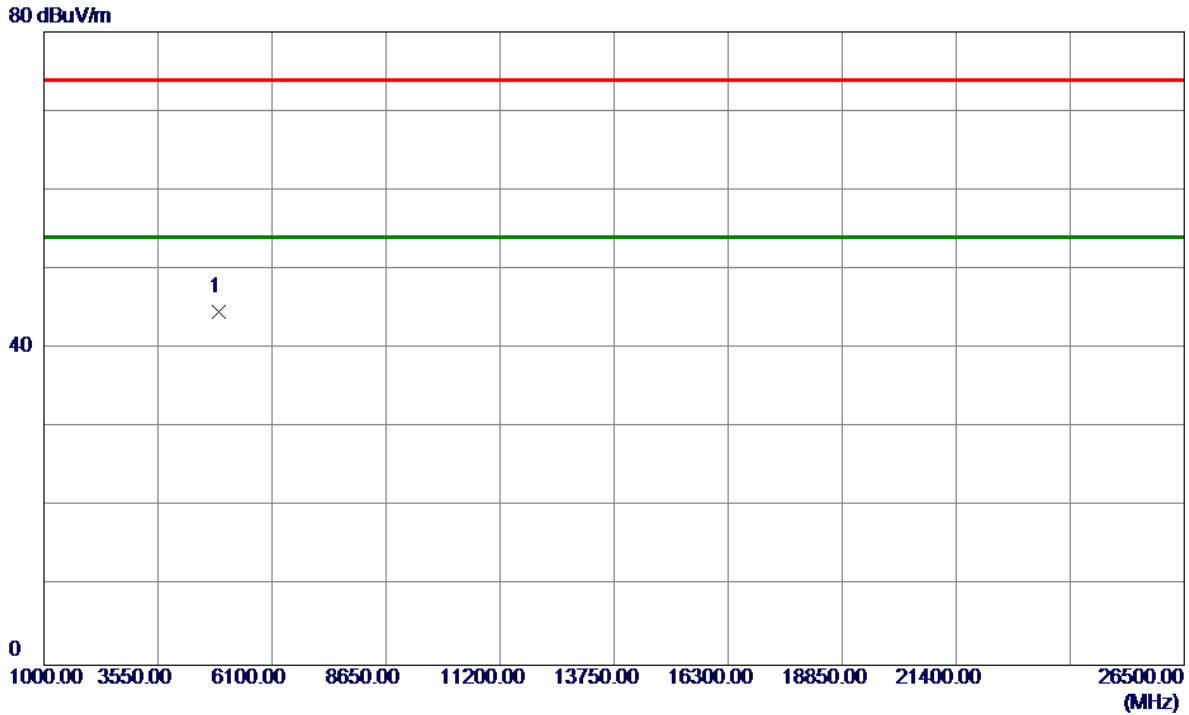


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2462.9500	76.51	31.71	108.22	74.00	34.22	Peak	NO limit
2 *	2462.9500	74.43	31.71	106.14	54.00	52.14	AVG	NO limit
3	2487.7450	25.58	31.71	57.29	74.00	-16.71	Peak	
4	2487.7450	16.12	31.71	47.83	54.00	-6.17	AVG	

REMARKS:

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

Test Mode	TX B Mode 2462 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------

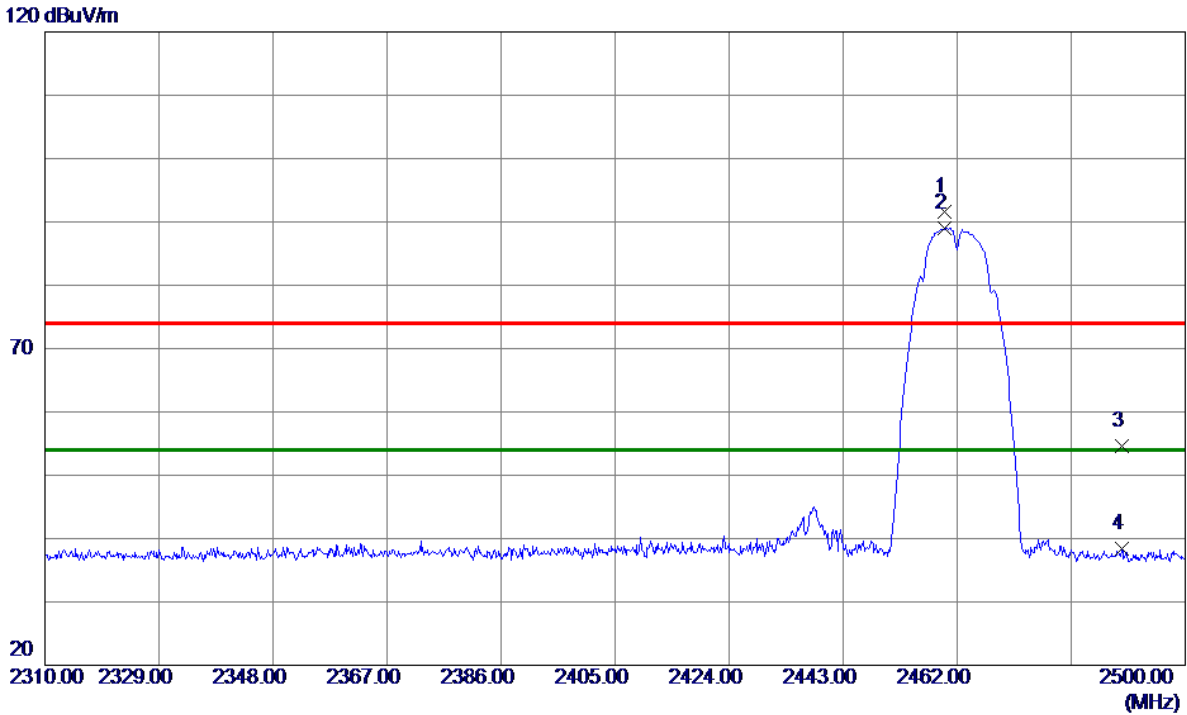


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.1750	54.33	-9.64	44.69	74.00	-29.31	Peak	

REMARKS:

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

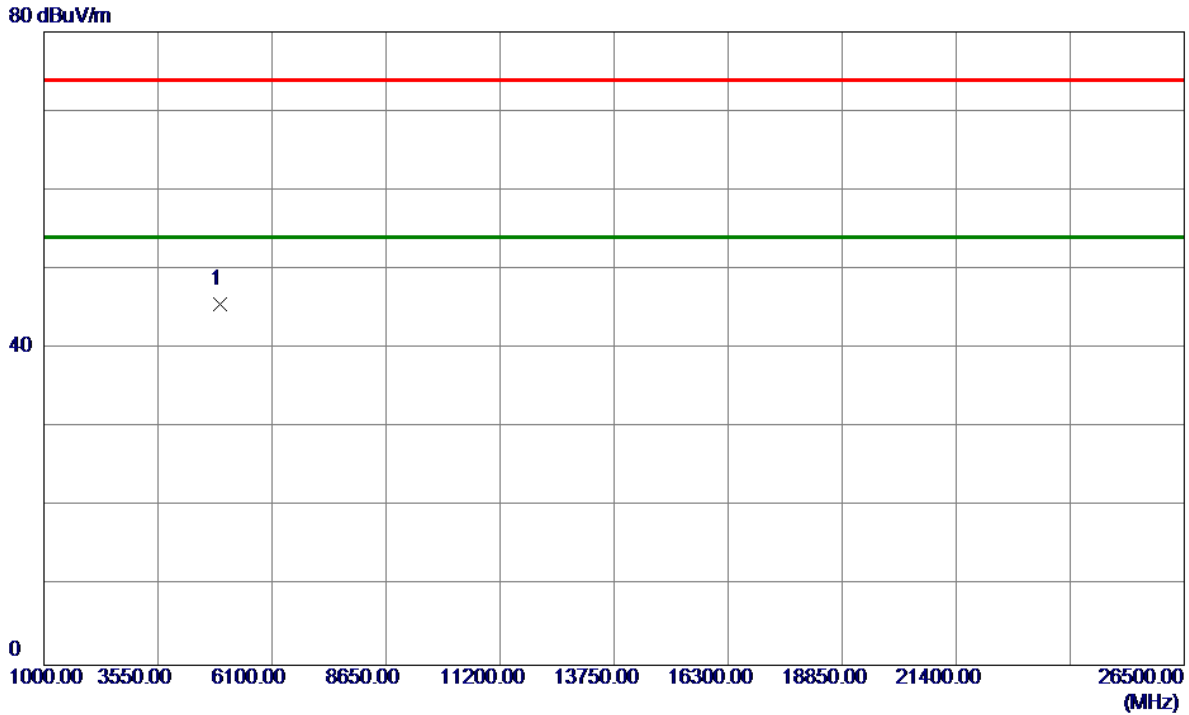


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.9100	59.94	31.71	91.65	74.00	17.65	Peak	NO limit
2 *	2459.9100	57.28	31.71	88.99	54.00	34.99	AVG	NO limit
3	2489.4550	22.97	31.71	54.68	74.00	-19.32	Peak	
4	2489.4550	6.70	31.71	38.41	54.00	-15.59	AVG	

REMARKS:

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

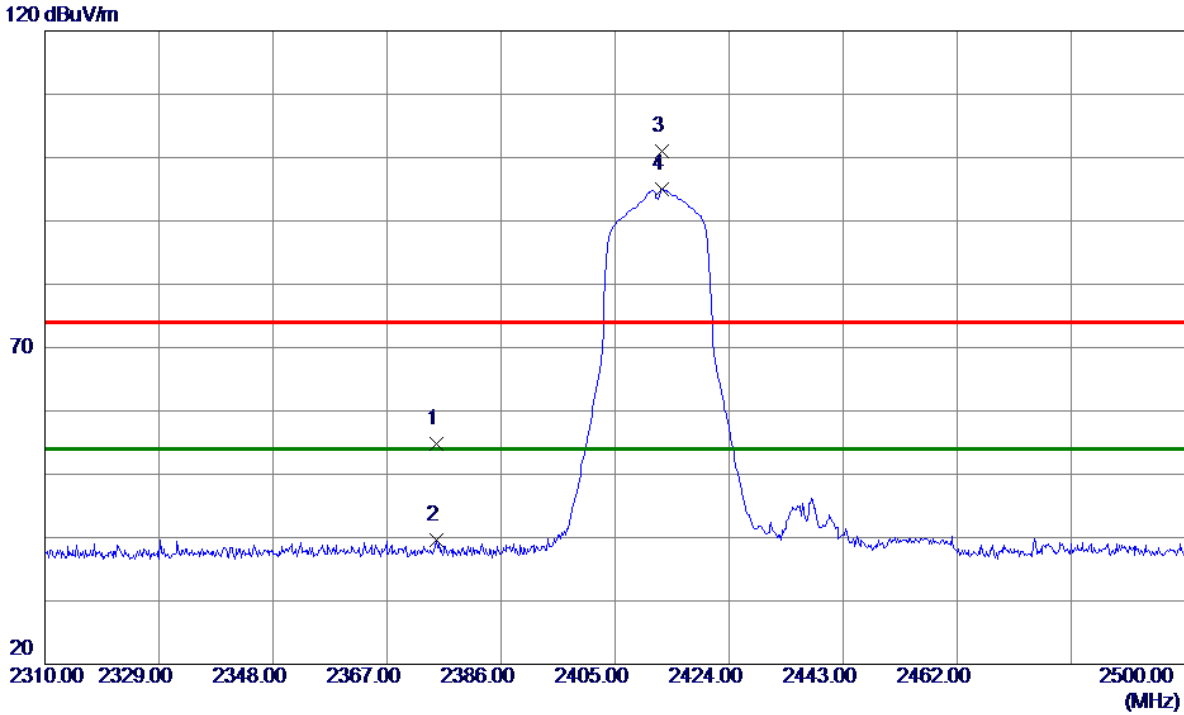


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.4500	55.28	-9.64	45.64	74.00	-28.36	Peak	

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------

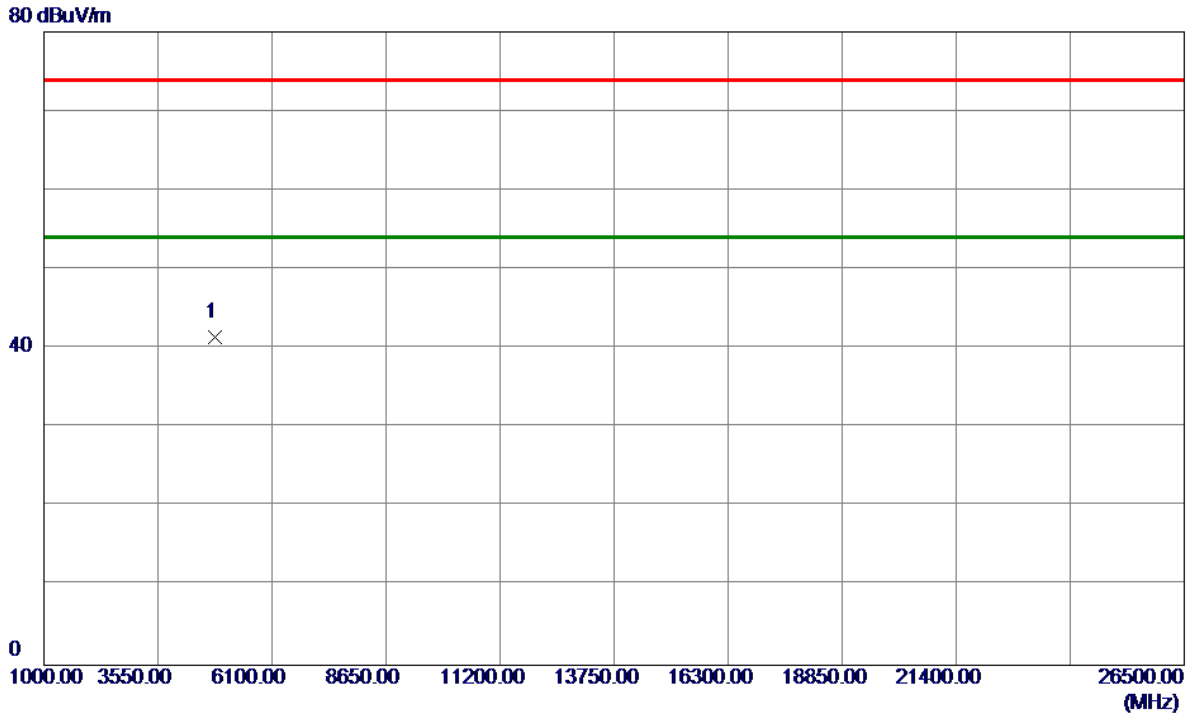


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2375.1700	23.05	31.77	54.82	74.00	-19.18	Peak	
2	2375.1700	7.88	31.77	39.65	54.00	-14.35	AVG	
3	2412.7900	69.34	31.72	101.06	74.00	27.06	Peak	NO limit
4 *	2412.7900	63.28	31.72	95.00	54.00	41.00	AVG	NO limit

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------

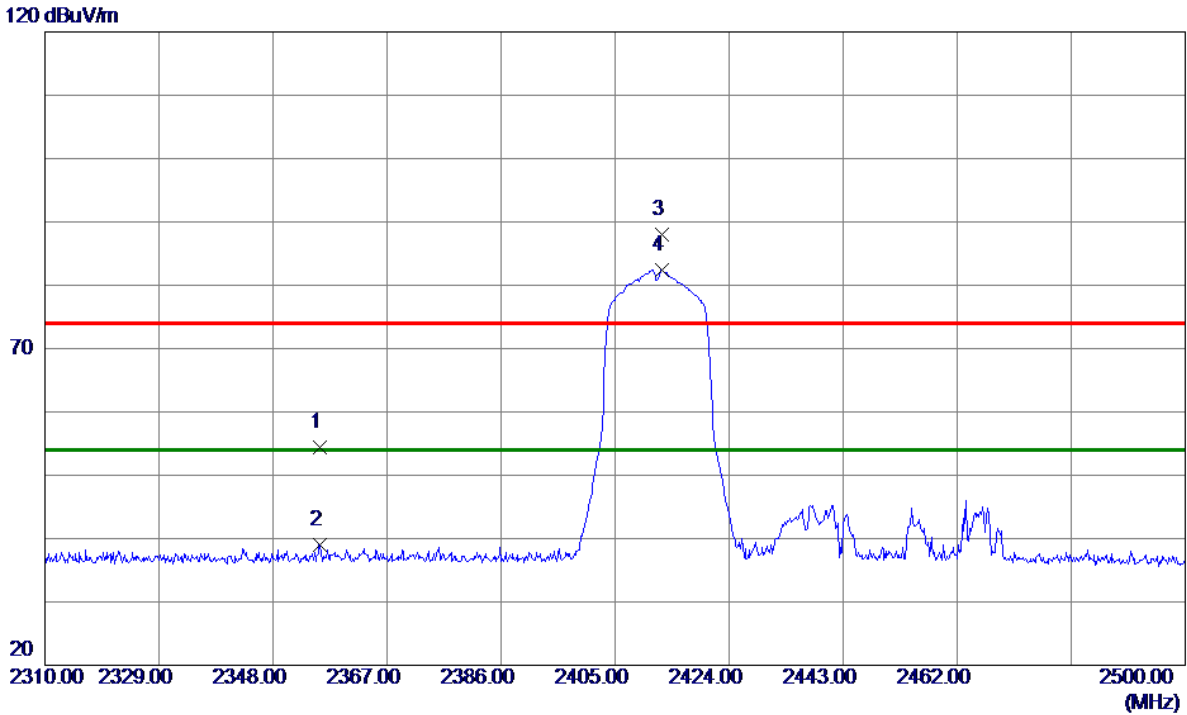


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	51.27	-9.85	41.42	74.00	-32.58	Peak	

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

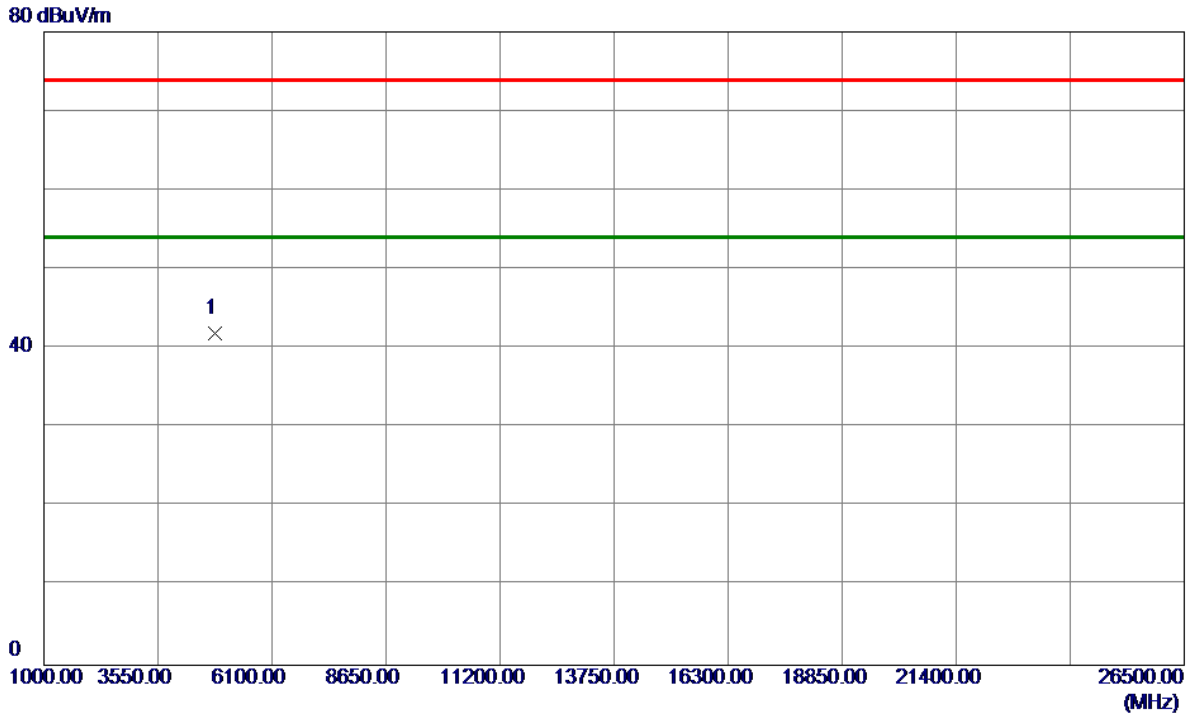


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2355.7900	22.57	31.81	54.38	74.00	-19.62	Peak	
2	2355.7900	7.25	31.81	39.06	54.00	-14.94	AVG	
3	2412.7900	56.33	31.72	88.05	74.00	14.05	Peak	NO limit
4 *	2412.7900	50.65	31.72	82.37	54.00	28.37	AVG	NO limit

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

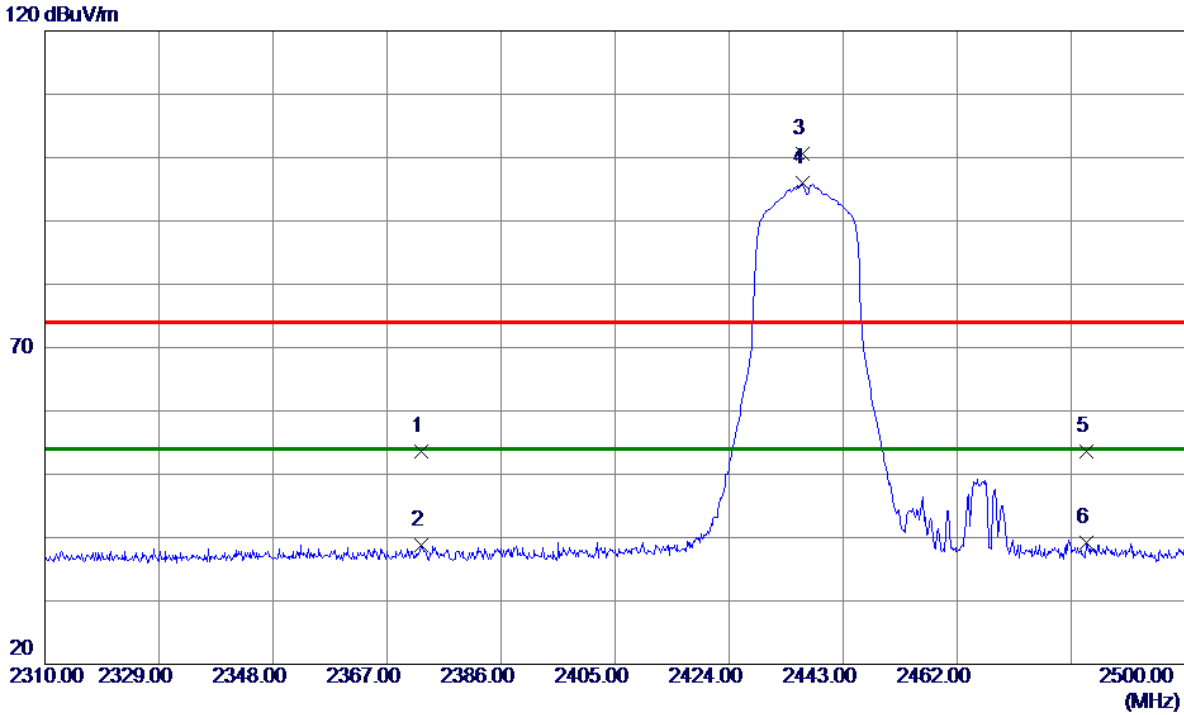


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	51.80	-9.85	41.95	74.00	-32.05	Peak	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2372.7000	21.77	31.77	53.54	74.00	-20.46	Peak	
2	2372.7000	7.09	31.77	38.86	54.00	-15.14	AVG	
3	2436.2549	68.80	31.72	100.52	74.00	26.52	Peak	NO limit
4 *	2436.2549	64.19	31.72	95.91	54.00	41.91	AVG	NO limit
5	2483.5000	21.84	31.71	53.55	74.00	-20.45	Peak	
6	2483.5000	7.46	31.71	39.17	54.00	-14.83	AVG	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------

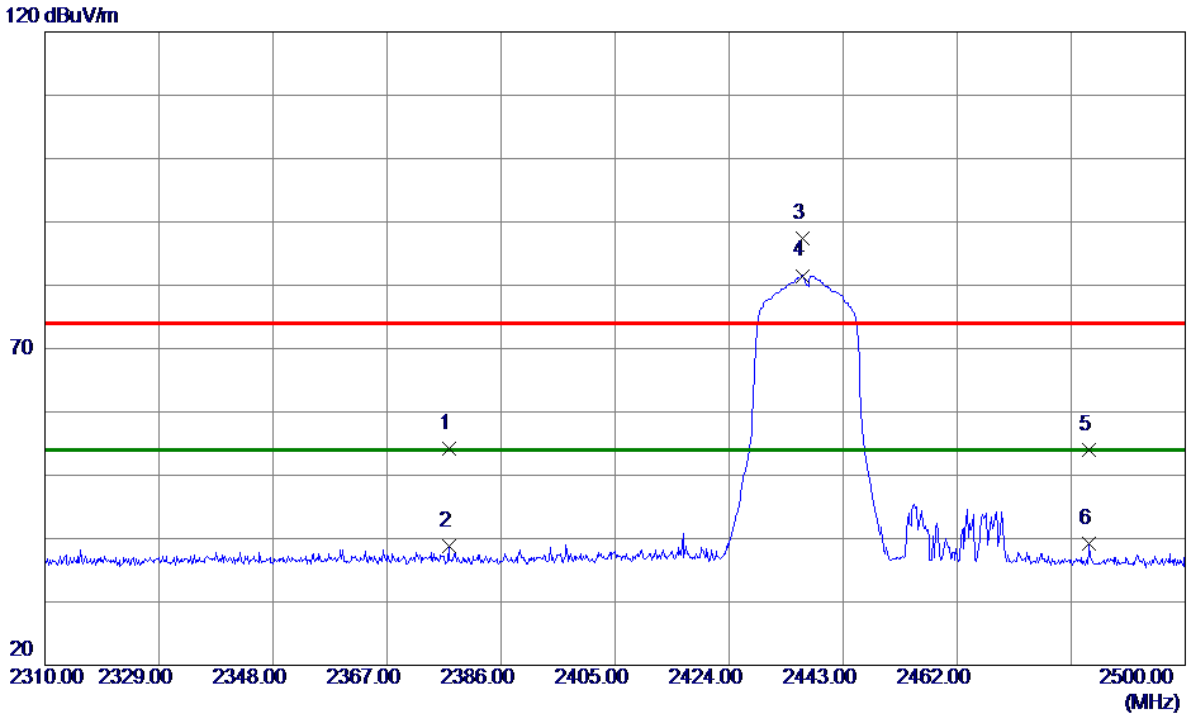


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	51.68	-9.77	41.91	74.00	-32.09	Peak	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2377.3550	22.43	31.76	54.19	74.00	-19.81	Peak	
2	2377.3550	7.08	31.76	38.84	54.00	-15.16	AVG	
3	2436.3500	55.71	31.72	87.43	74.00	13.43	Peak	NO limit
4 *	2436.3500	49.78	31.72	81.50	54.00	27.50	AVG	NO limit
5	2484.0400	22.32	31.71	54.03	74.00	-19.97	Peak	
6	2484.0400	7.45	31.71	39.16	54.00	-14.84	AVG	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

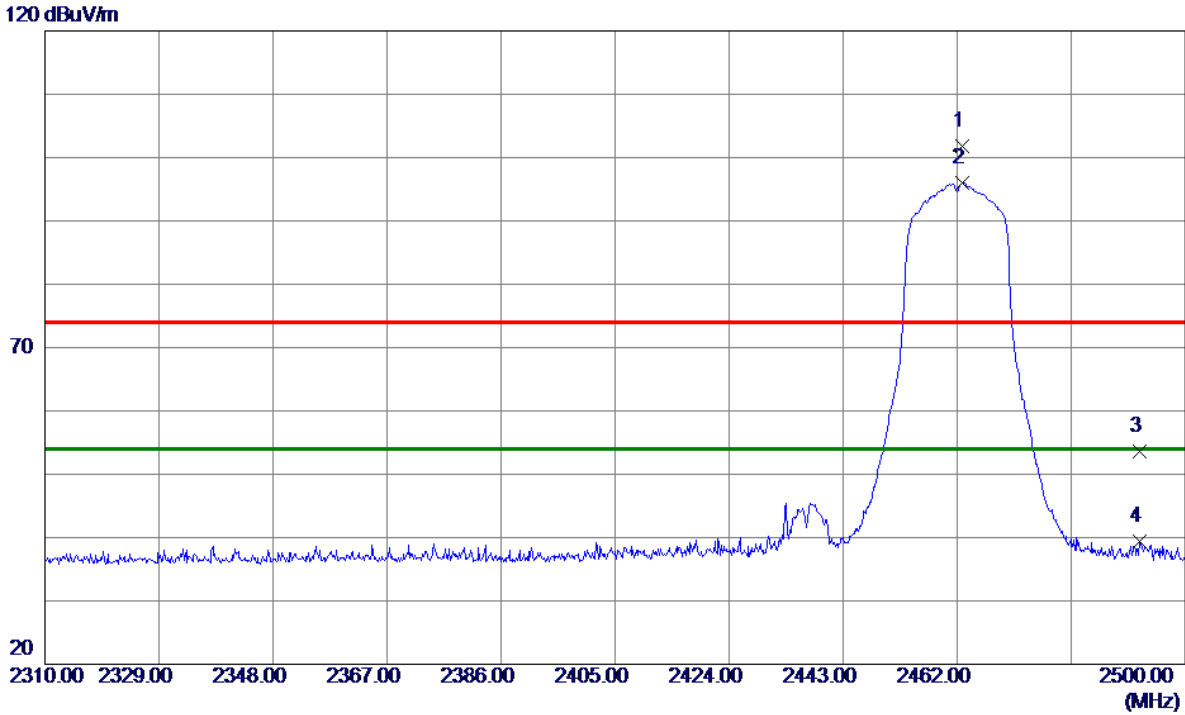


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	52.33	-9.77	42.56	74.00	-31.44	Peak	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2462.8550	70.05	31.71	101.76	74.00	27.76	Peak	NO limit
2 *	2462.8550	64.35	31.71	96.06	54.00	42.06	AVG	NO limit
3	2492.4950	21.98	31.71	53.69	74.00	-20.31	Peak	
4	2492.4950	7.65	31.71	39.36	54.00	-14.64	AVG	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Vertical
-----------	--------------------	--------------	----------

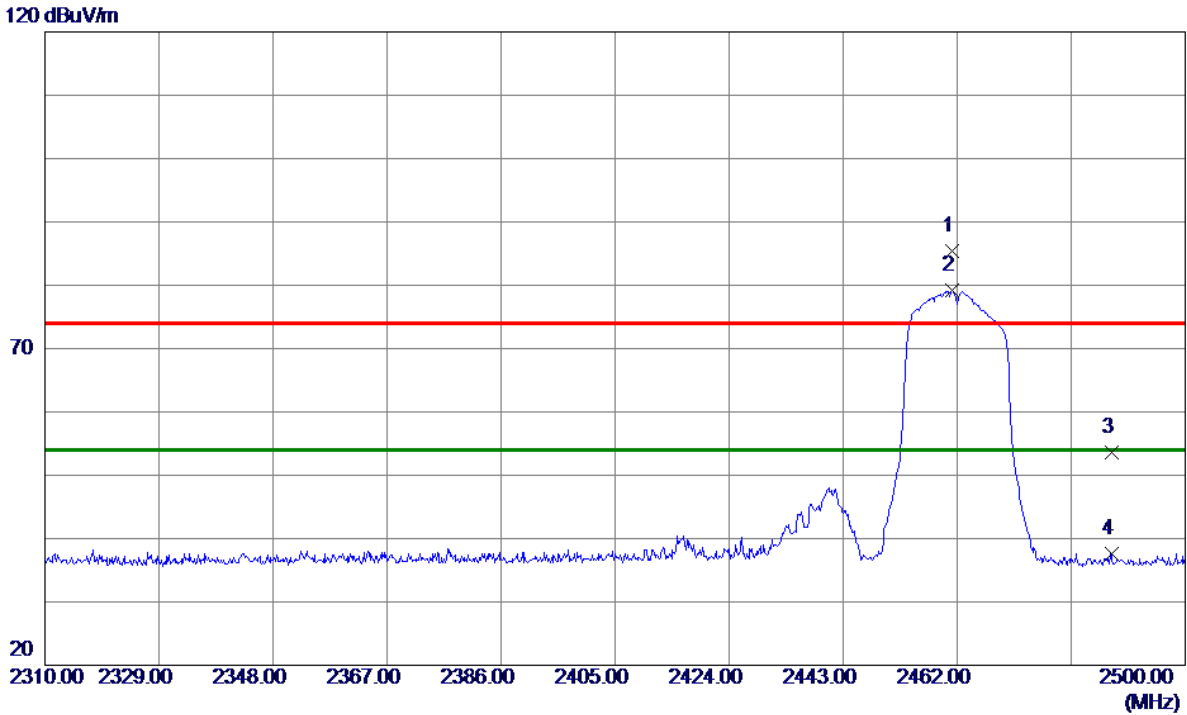


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0000	52.02	-9.64	42.38	74.00	-31.62	Peak	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

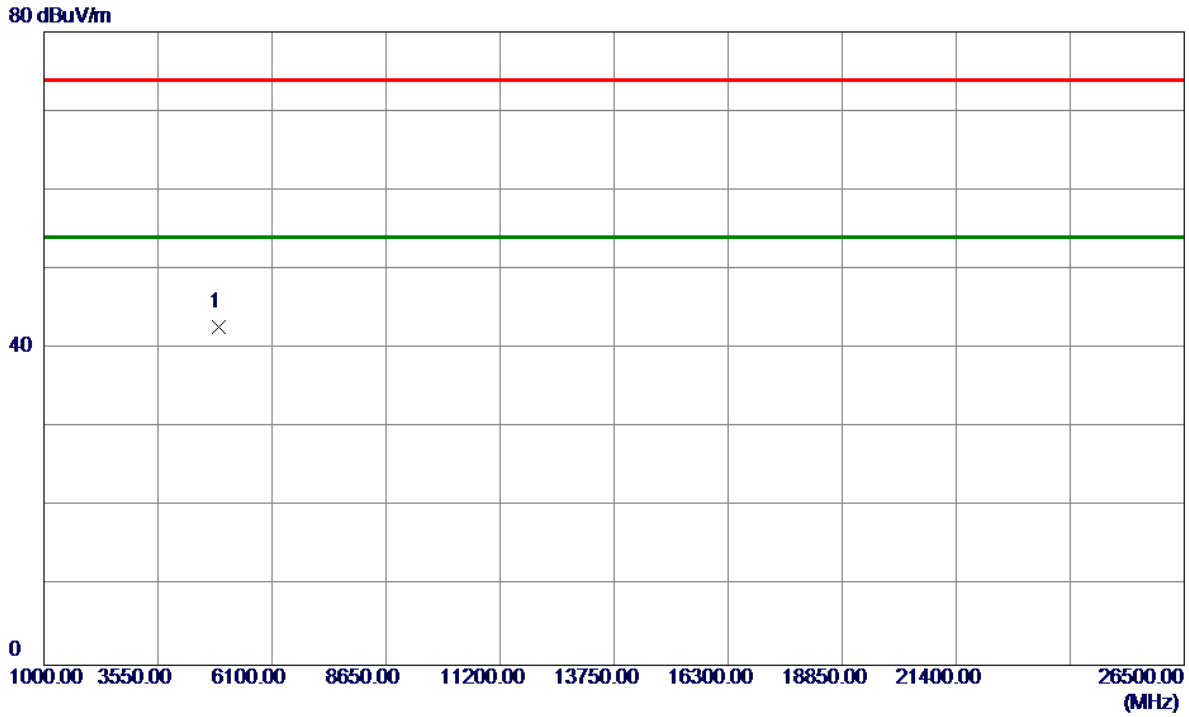


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2461.2400	53.71	31.71	85.42	74.00	11.42	Peak	NO limit
2 *	2461.2400	47.53	31.71	79.24	54.00	25.24	AVG	NO limit
3	2487.6500	21.84	31.71	53.55	74.00	-20.45	Peak	
4	2487.6500	5.94	31.71	37.65	54.00	-16.35	AVG	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------	--------------	------------

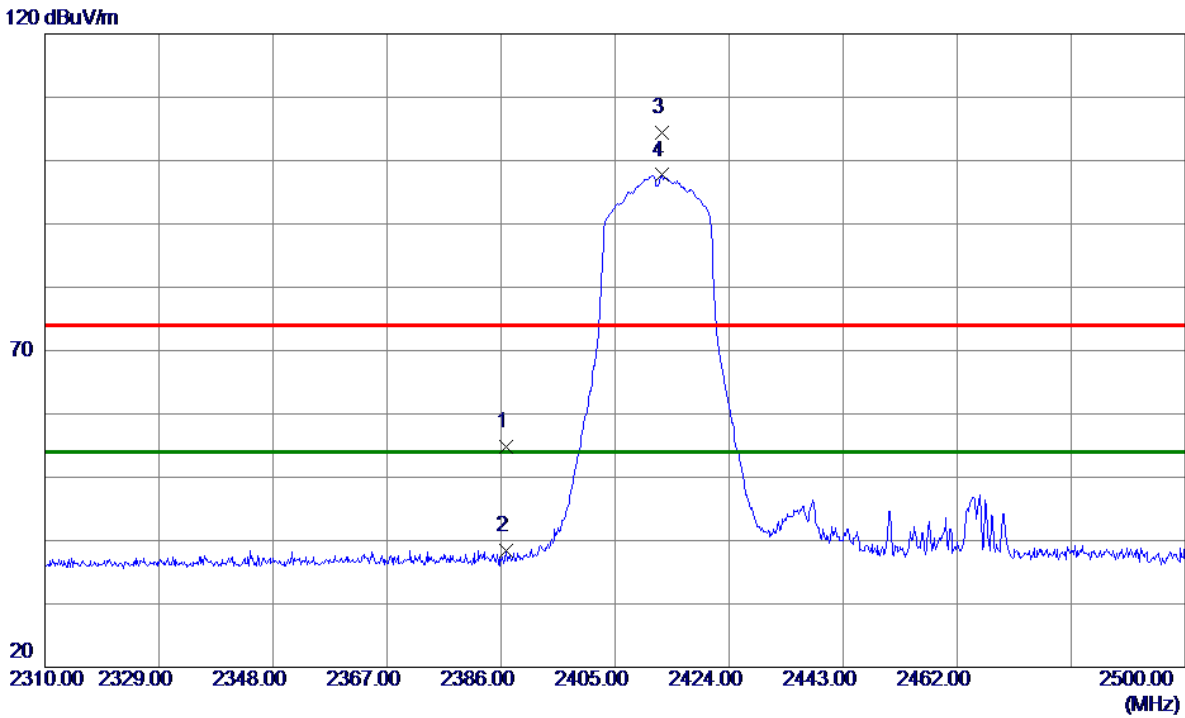


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0000	52.40	-9.64	42.76	74.00	-31.24	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2386.7600	23.07	31.75	54.82	74.00	-19.18	Peak	
2	2386.7600	6.64	31.75	38.39	54.00	-15.61	AVG	
3	2412.8850	72.68	31.72	104.40	74.00	30.40	Peak	NO limit
4 *	2412.8850	65.98	31.72	97.70	54.00	43.70	AVG	NO limit

REMARKS:

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

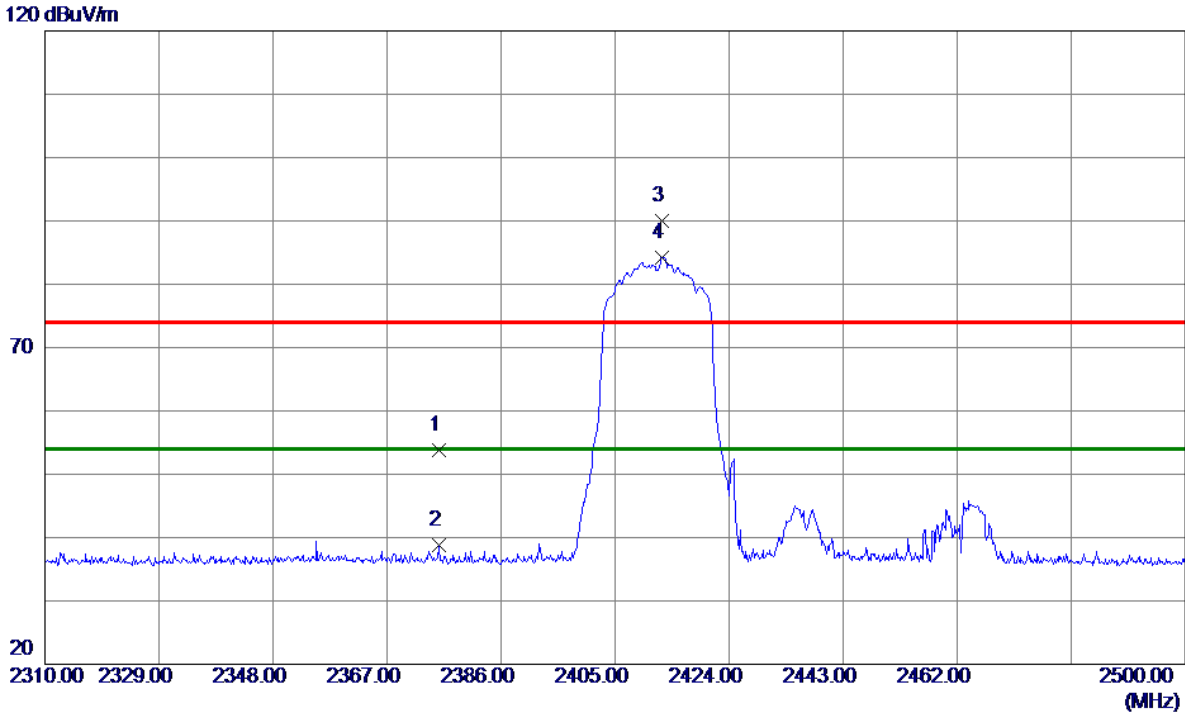


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	52.11	-9.85	42.26	74.00	-31.74	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------

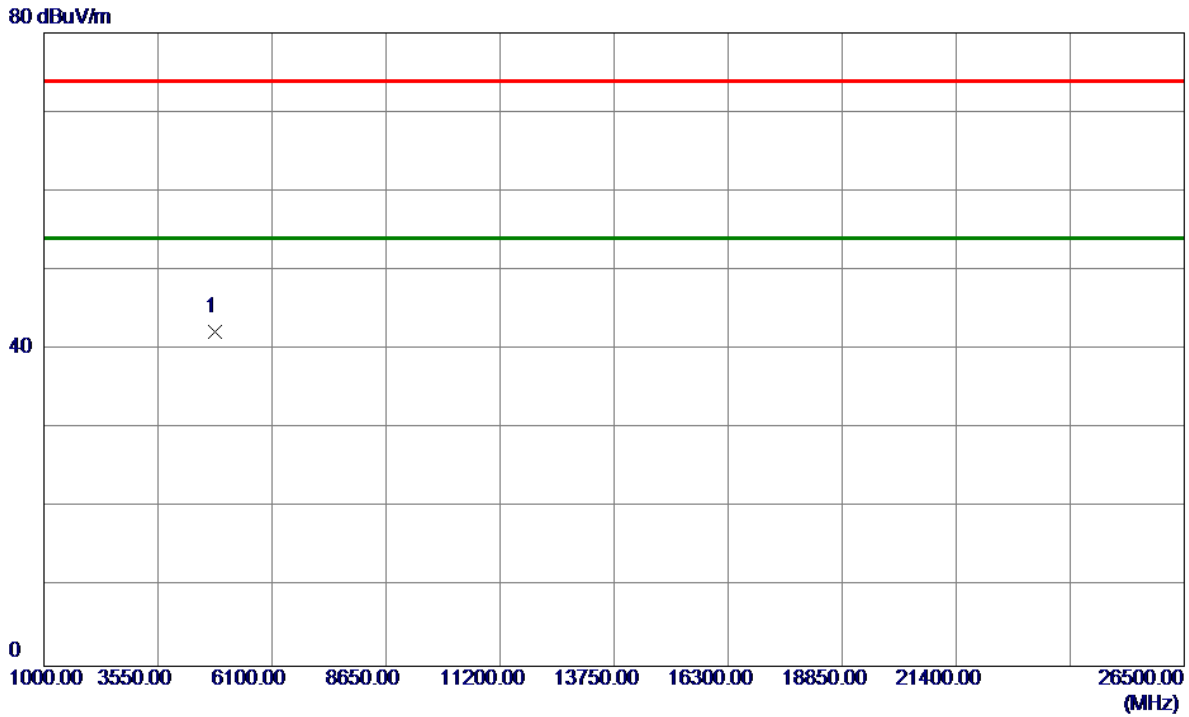


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2375.6450	22.04	31.77	53.81	74.00	-20.19	Peak	
2	2375.6450	6.99	31.77	38.76	54.00	-15.24	AVG	
3	2412.8850	58.30	31.72	90.02	74.00	16.02	Peak	NO limit
4 *	2412.8850	52.46	31.72	84.18	54.00	30.18	AVG	NO limit

REMARKS:

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------

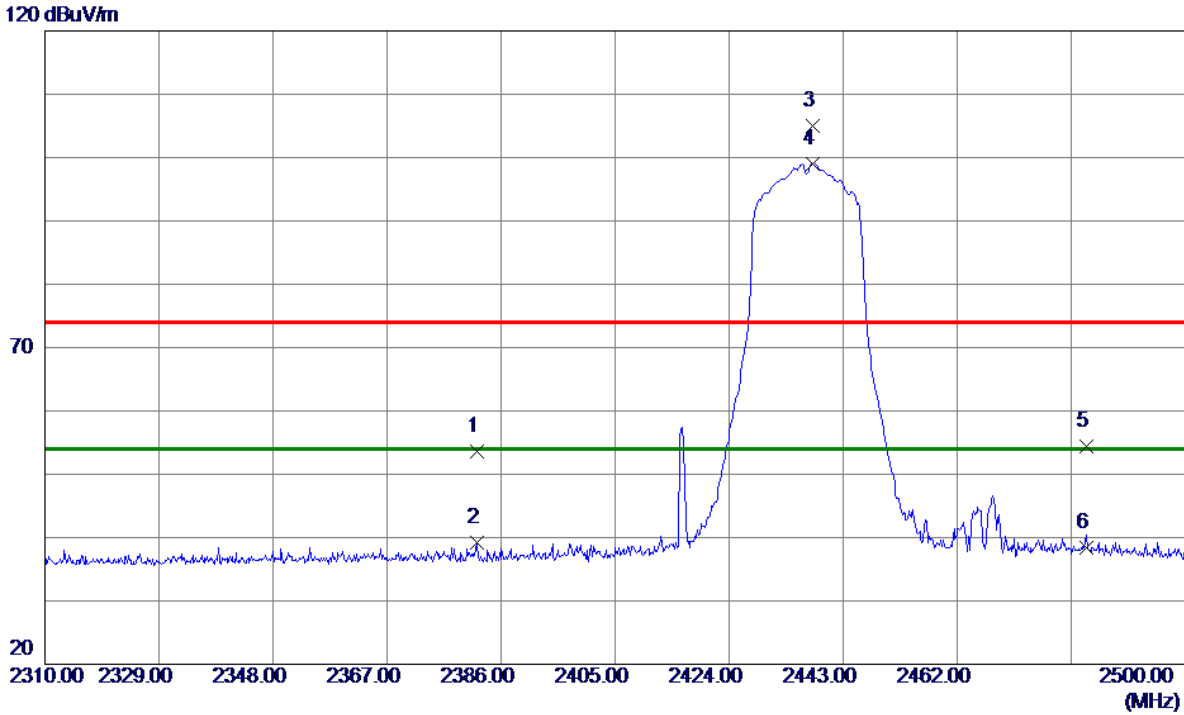


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4824.0000	52.02	-9.85	42.17	74.00	-31.83	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

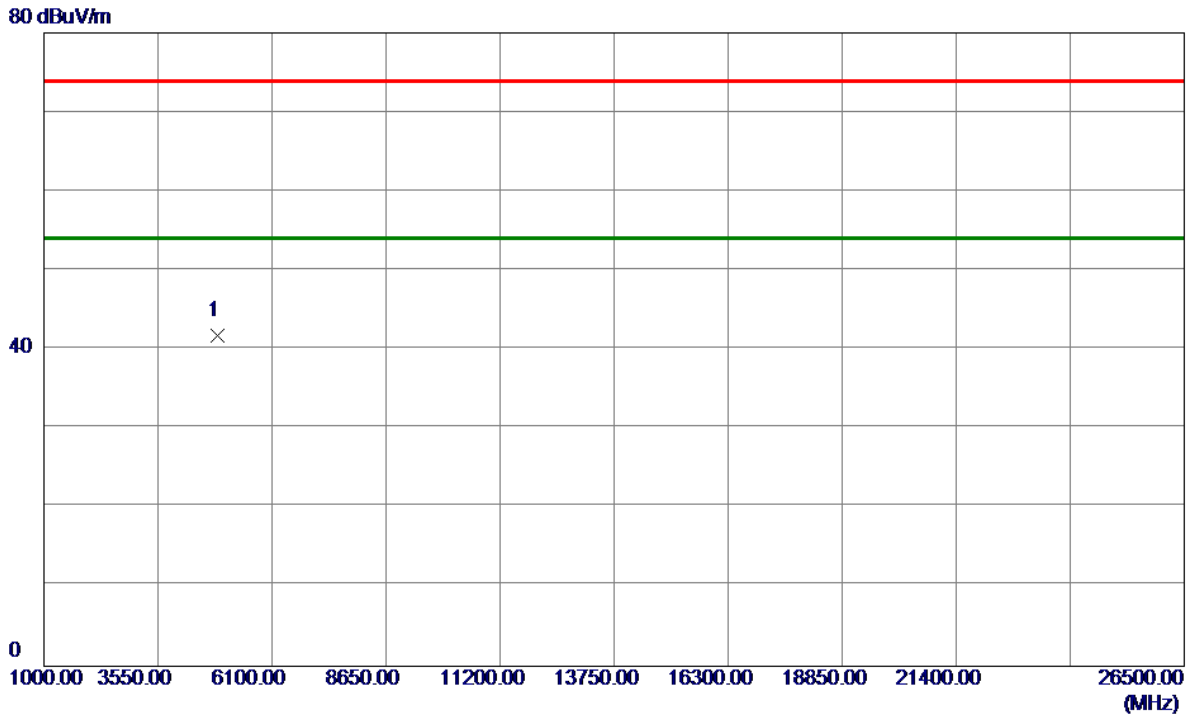


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2381.9150	21.85	31.76	53.61	74.00	-20.39	Peak	
2	2381.9150	7.37	31.76	39.13	54.00	-14.87	AVG	
3	2437.8700	73.23	31.72	104.95	74.00	30.95	Peak	NO limit
4 *	2437.8700	67.34	31.72	99.06	54.00	45.06	AVG	NO limit
5	2483.5000	22.71	31.71	54.42	74.00	-19.58	Peak	
6	2483.5000	6.66	31.71	38.37	54.00	-15.63	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

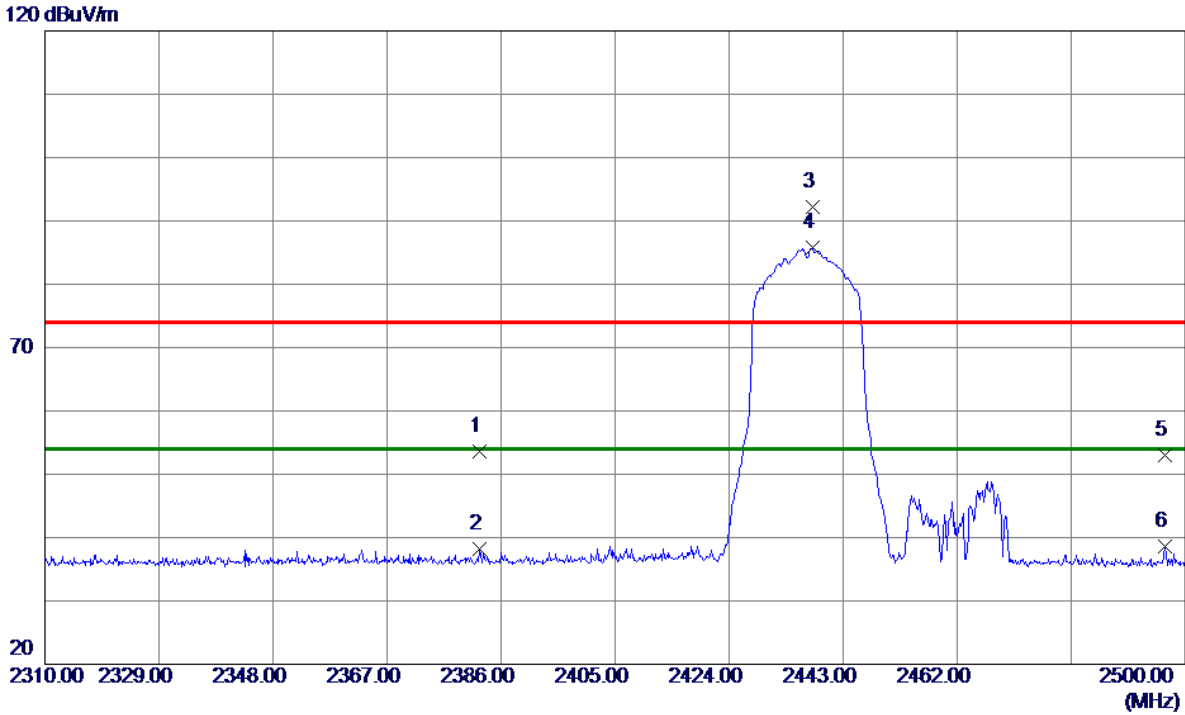


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	51.56	-9.77	41.79	74.00	-32.21	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------

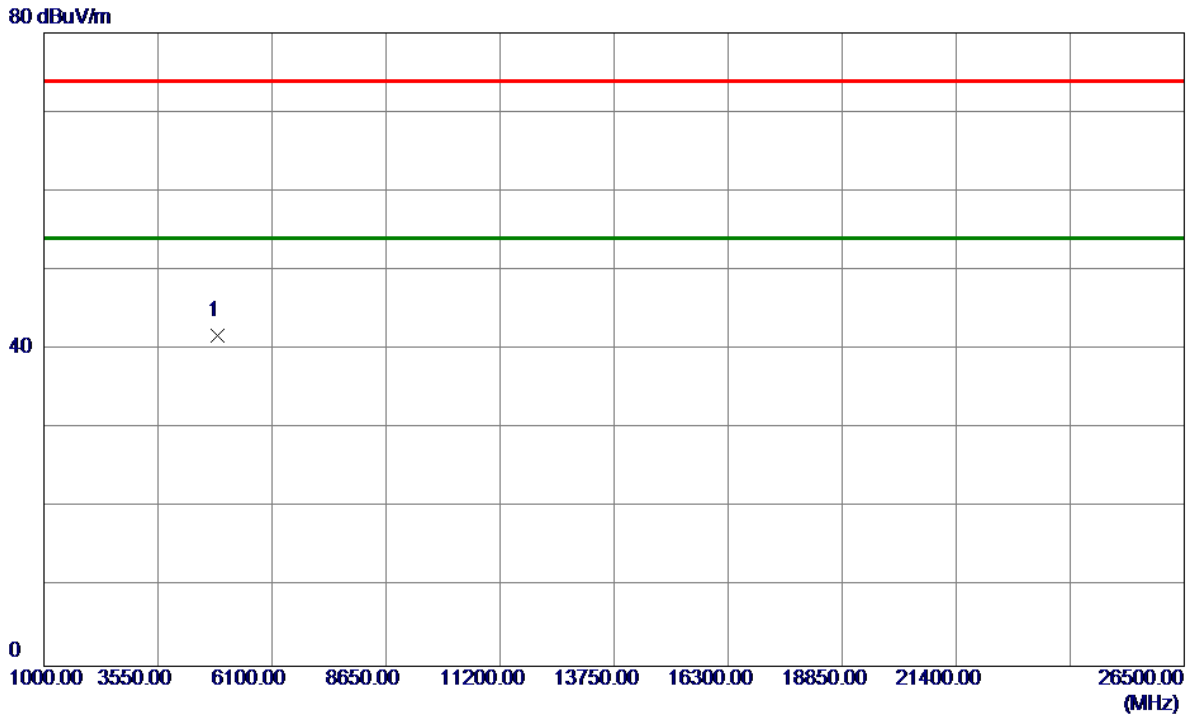


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2382.4850	21.89	31.75	53.64	74.00	-20.36	Peak	
2	2382.4850	6.37	31.75	38.12	54.00	-15.88	AVG	
3	2437.9650	60.49	31.72	92.21	74.00	18.21	Peak	NO limit
4 *	2437.9650	54.05	31.72	85.77	54.00	31.77	AVG	NO limit
5	2496.6750	21.24	31.71	52.95	74.00	-21.05	Peak	
6	2496.6750	6.80	31.71	38.51	54.00	-15.49	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------

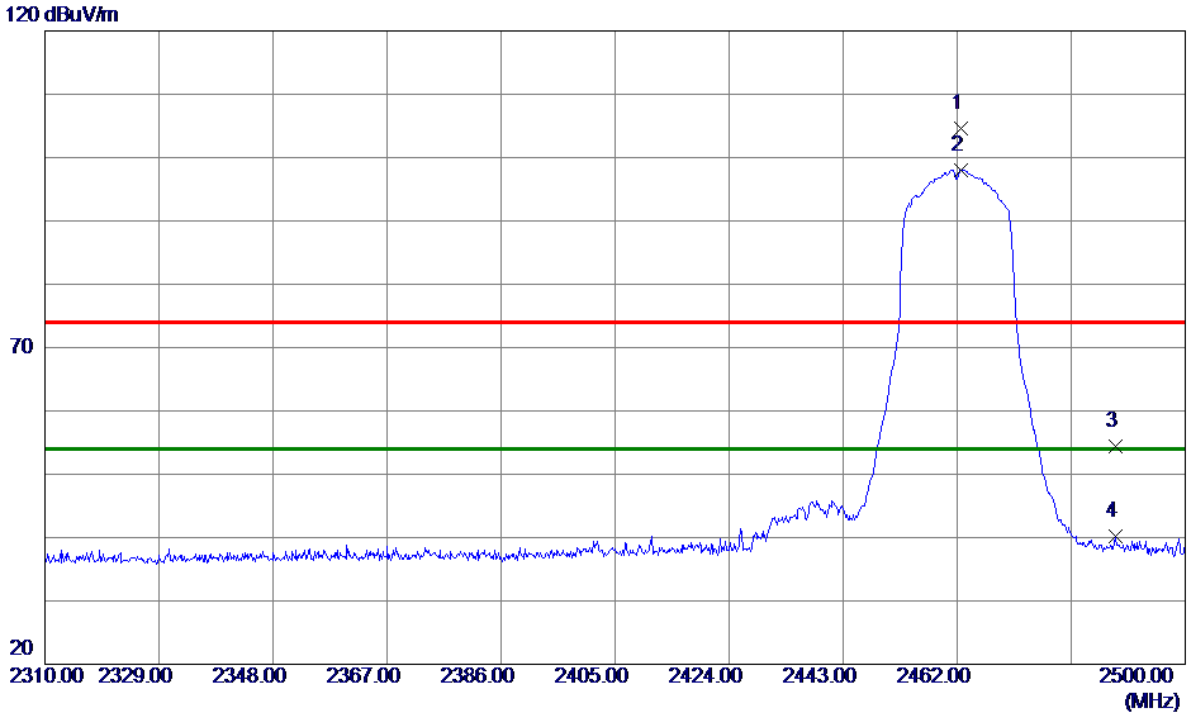


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	51.49	-9.77	41.72	74.00	-32.28	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

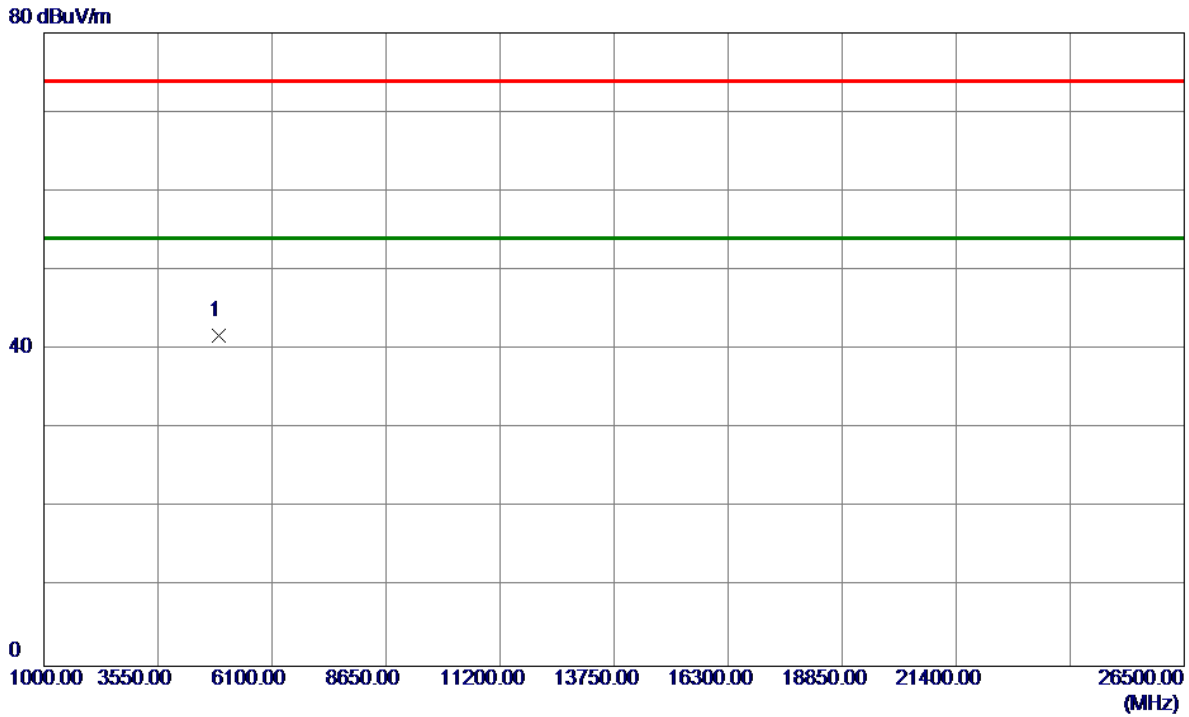


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2462.5700	72.91	31.71	104.62	74.00	30.62	Peak	NO limit
2 *	2462.5700	66.35	31.71	98.06	54.00	44.06	AVG	NO limit
3	2488.3150	22.78	31.71	54.49	74.00	-19.51	Peak	
4	2488.3150	8.44	31.71	40.15	54.00	-13.85	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

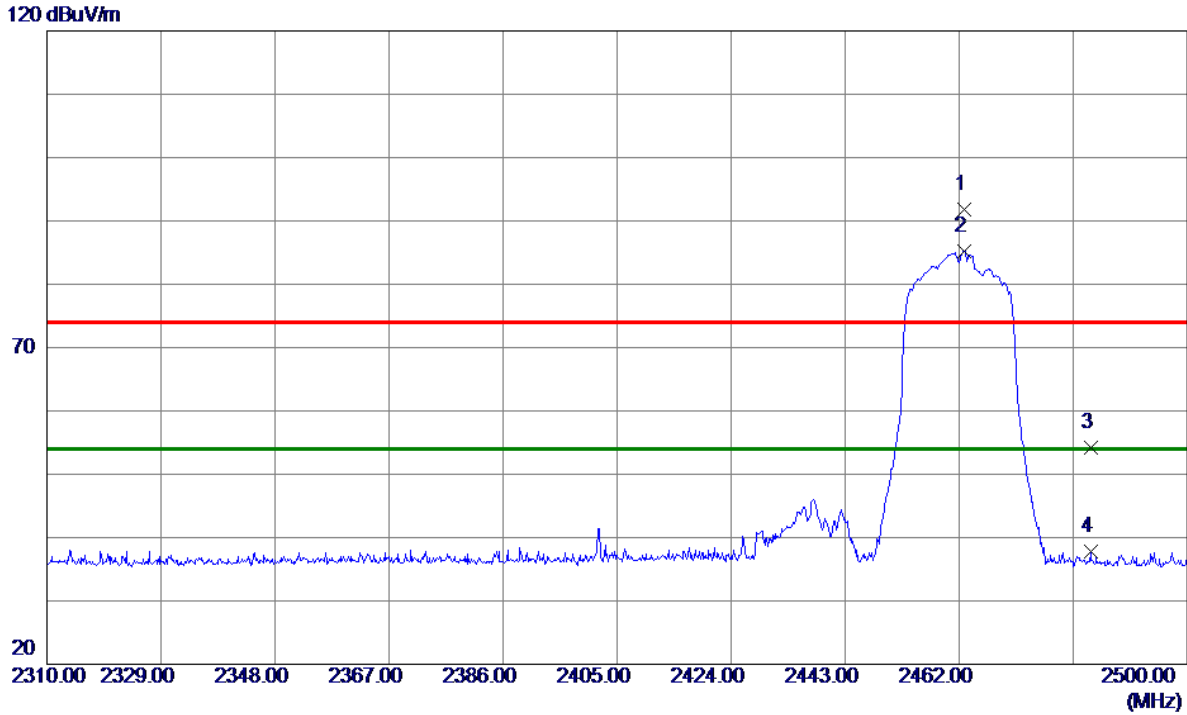


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0000	51.33	-9.64	41.69	74.00	-32.31	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------

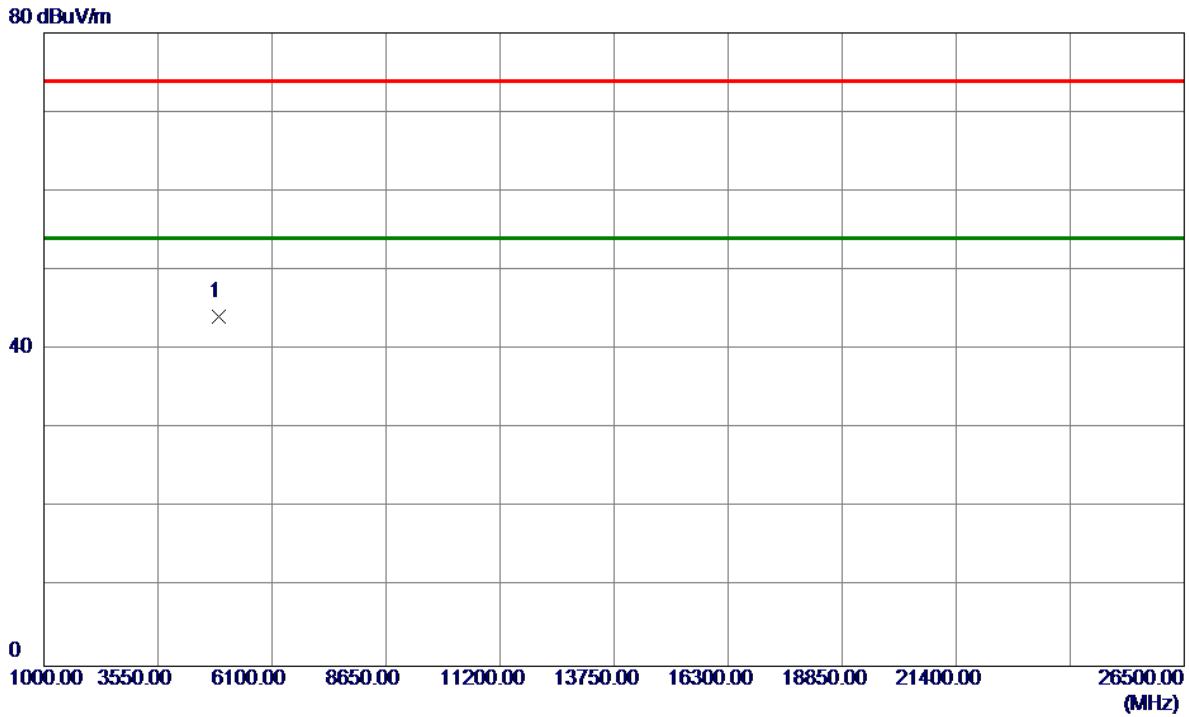


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2462.7600	60.00	31.71	91.71	74.00	17.71	Peak	NO limit
2 *	2462.7600	53.52	31.71	85.23	54.00	31.23	AVG	NO limit
3	2483.9450	22.54	31.71	54.25	74.00	-19.75	Peak	
4	2483.9450	6.04	31.71	37.75	54.00	-16.25	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2462 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------

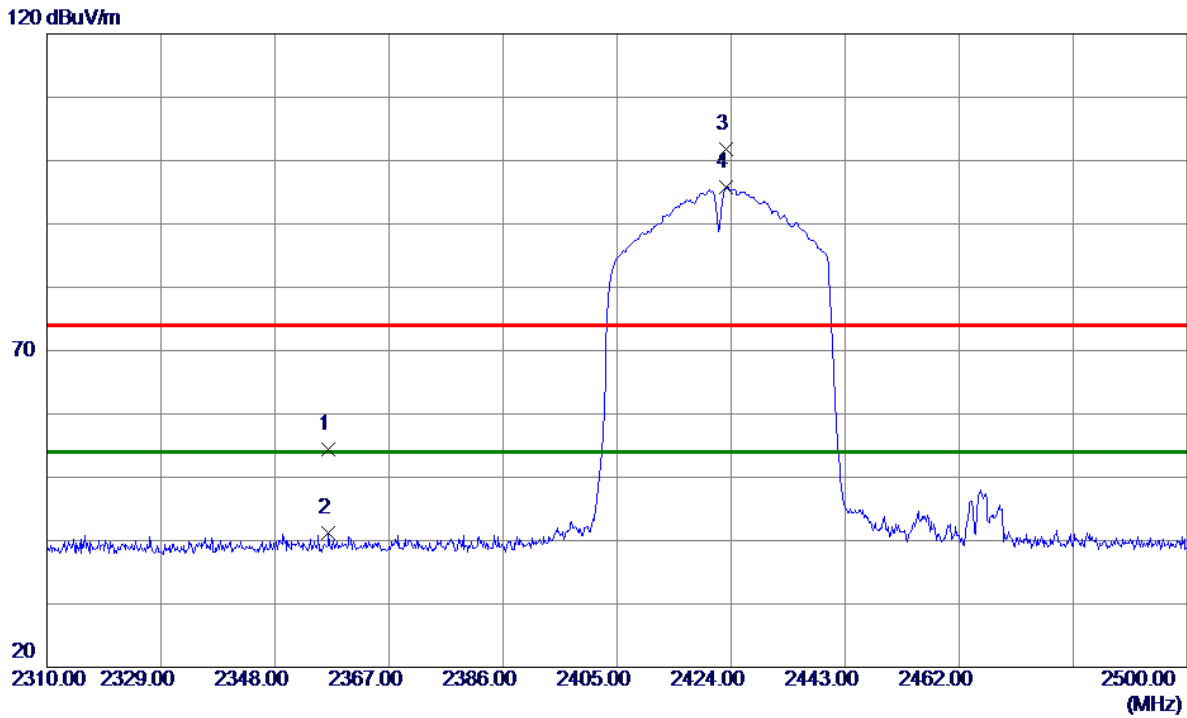


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4924.0000	53.75	-9.64	44.11	74.00	-29.89	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

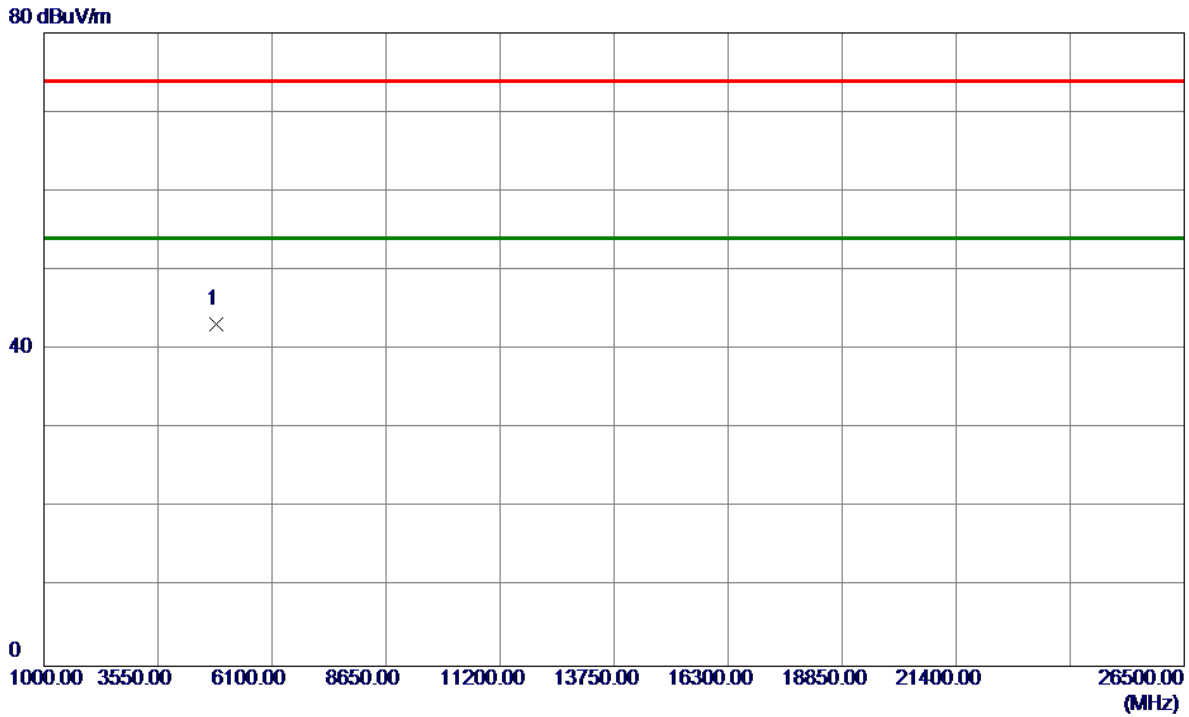


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2356.9300	22.61	31.80	54.41	74.00	-19.59	Peak	
2	2356.9300	9.42	31.80	41.22	54.00	-12.78	AVG	
3	2423.2400	70.15	31.72	101.87	74.00	27.87	Peak	NO limit
4 *	2423.2400	64.03	31.72	95.75	54.00	41.75	AVG	NO limit

REMARKS:

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

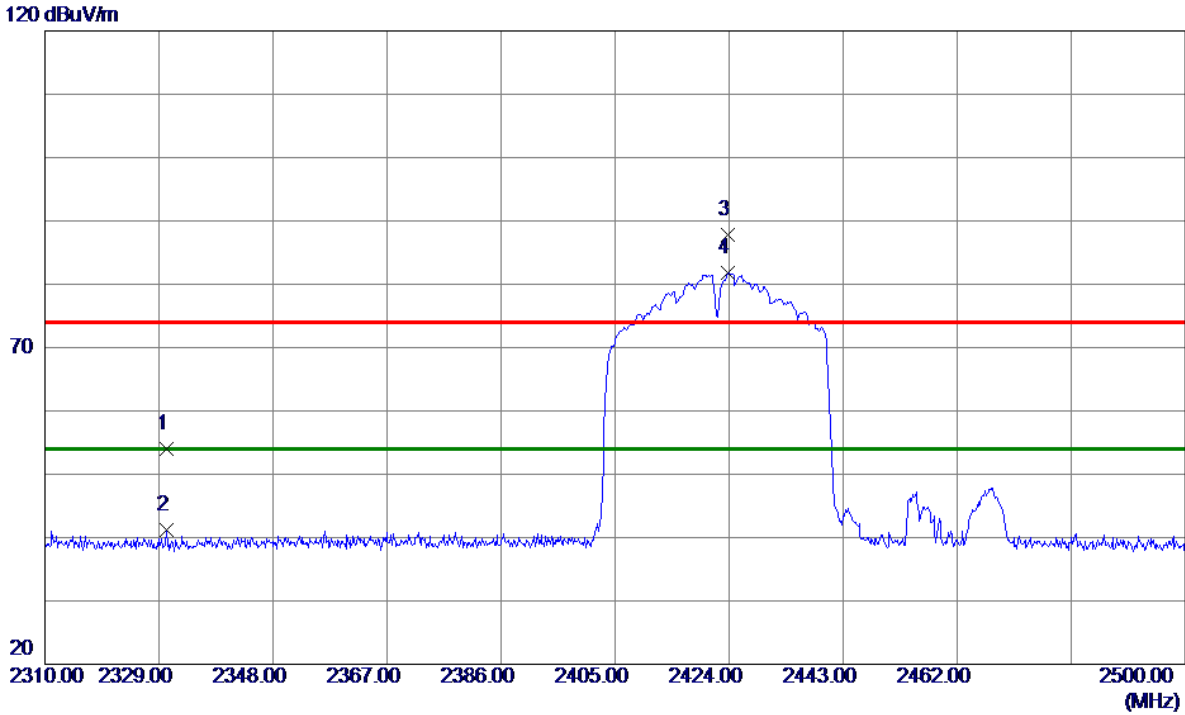


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4844.0000	53.00	-9.82	43.18	74.00	-30.82	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2330.2350	22.18	31.86	54.04	74.00	-19.96	Peak	
2	2330.2350	9.36	31.86	41.22	54.00	-12.78	AVG	
3	2423.8100	56.01	31.72	87.73	74.00	13.73	Peak	NO limit
4 *	2423.8100	50.04	31.72	81.76	54.00	27.76	AVG	NO limit

REMARKS:

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------

80 dBuV/m

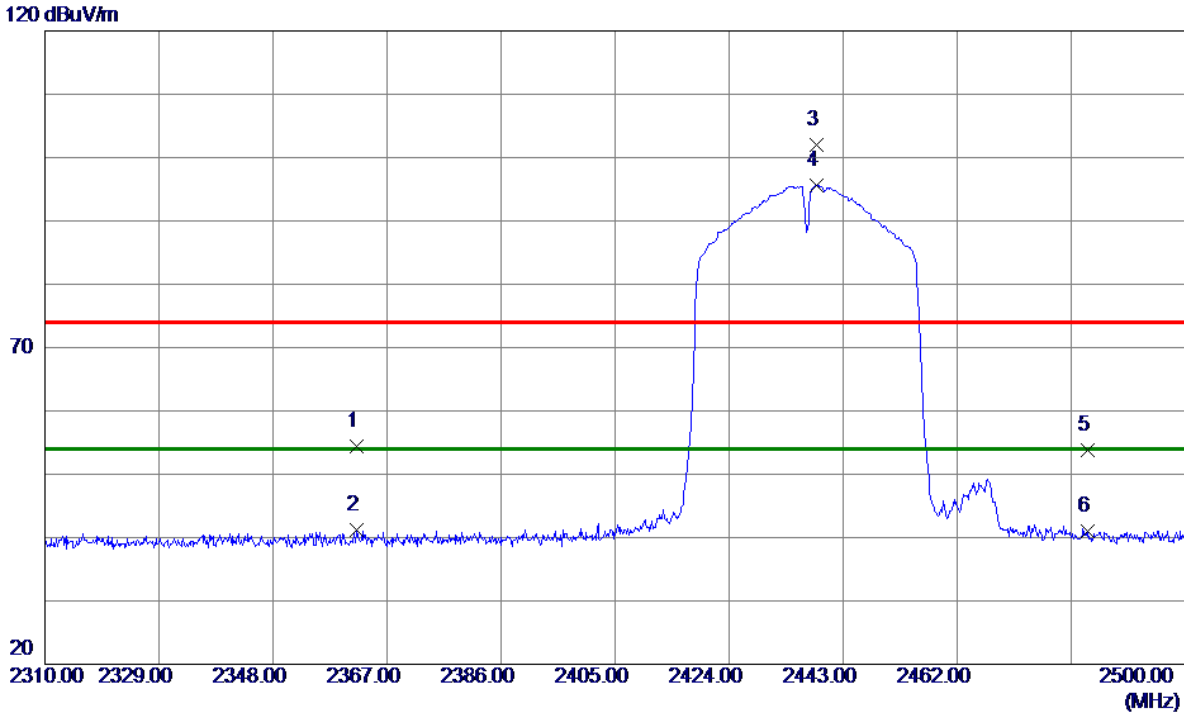


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4844.0000	52.56	-9.82	42.74	74.00	-31.26	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

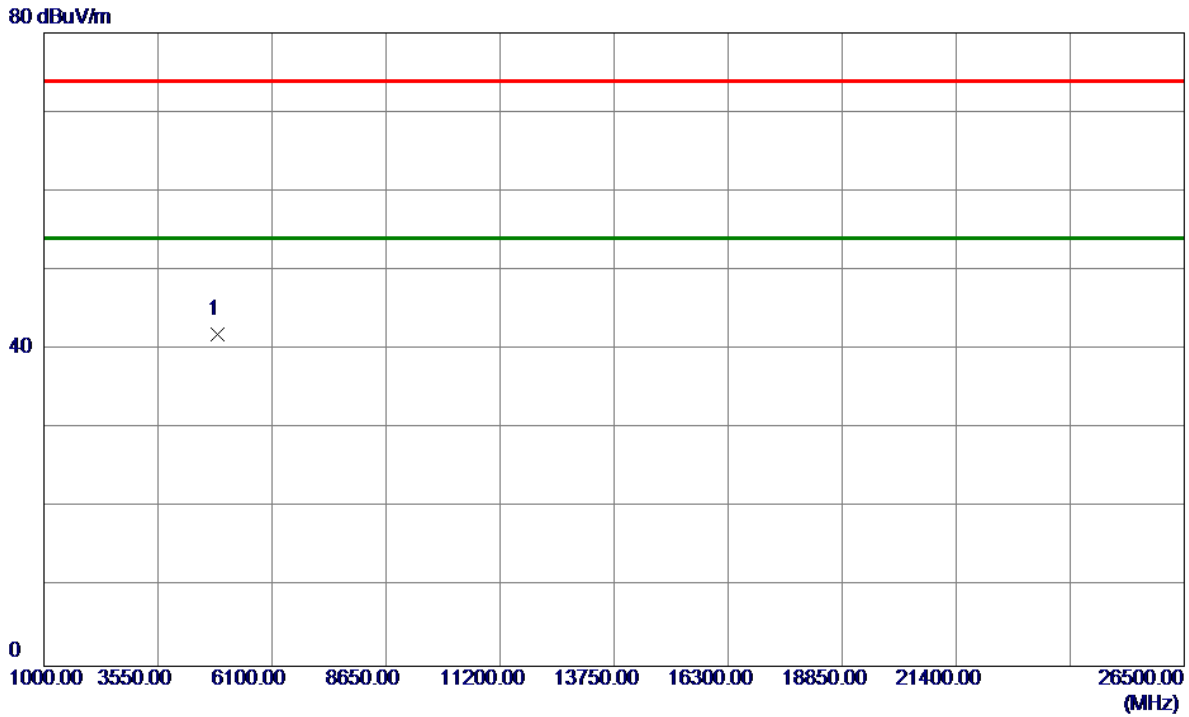


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2361.9650	22.68	31.79	54.47	74.00	-19.53	Peak	
2	2361.9650	9.42	31.79	41.21	54.00	-12.79	AVG	
3	2438.6299	70.24	31.72	101.96	74.00	27.96	Peak	NO limit
4 *	2438.6299	63.83	31.72	95.55	54.00	41.55	AVG	NO limit
5	2483.8500	22.17	31.71	53.88	74.00	-20.12	Peak	
6	2483.8500	9.35	31.71	41.06	54.00	-12.94	AVG	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

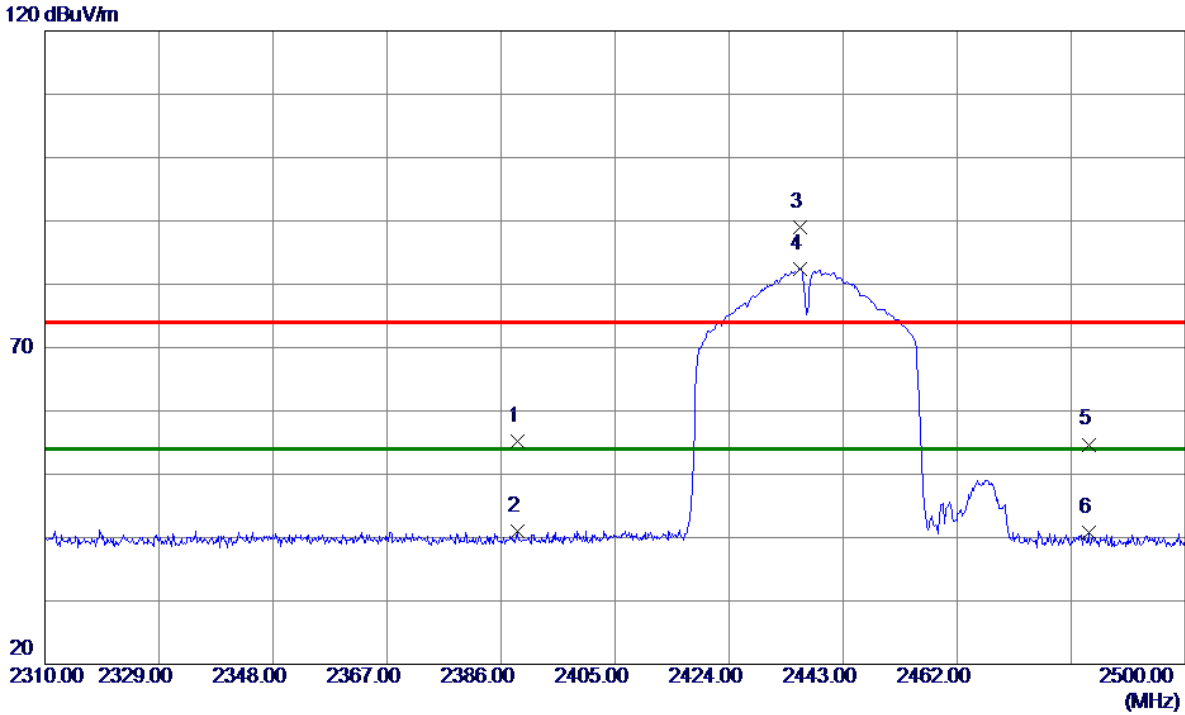


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	51.71	-9.77	41.94	74.00	-32.06	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------



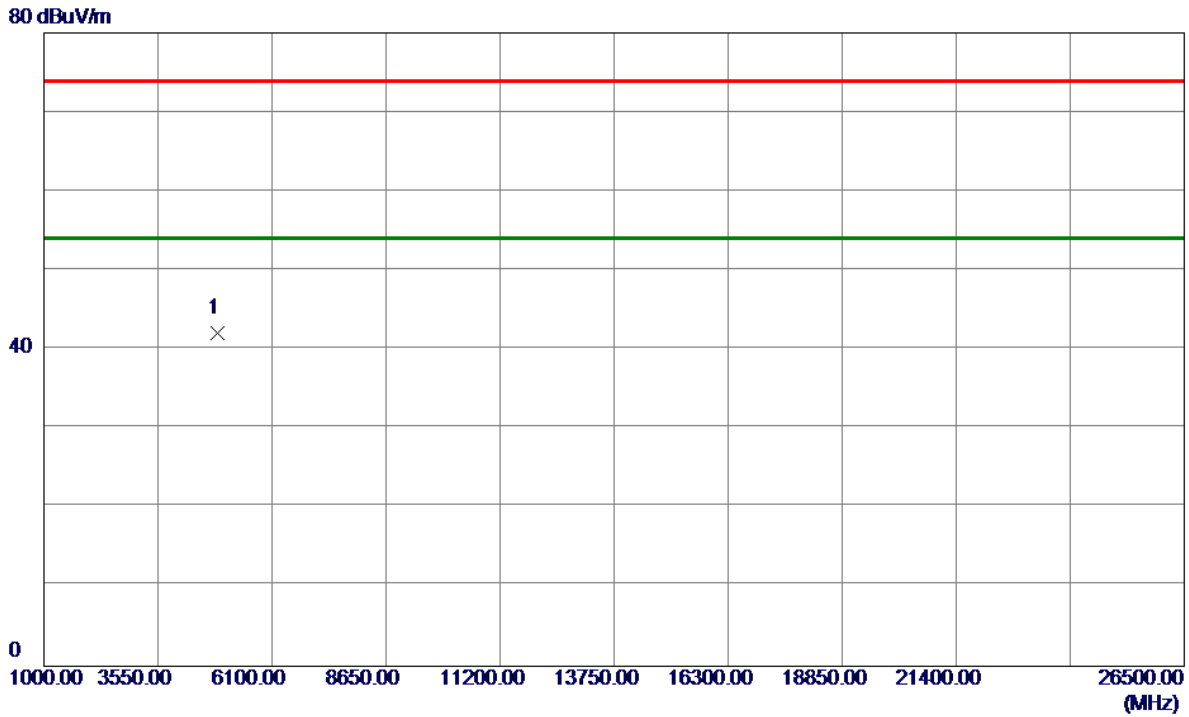
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2388.7549	23.40	31.74	55.14	74.00	-18.86	Peak	
2	2388.7549	9.27	31.74	41.01	54.00	-12.99	AVG	
3	2435.8750	57.32	31.72	89.04	74.00	15.04	Peak	NO limit
4 *	2435.8750	50.74	31.72	82.46	54.00	28.46	AVG	NO limit
5	2483.9450	22.99	31.71	54.70	74.00	-19.30	Peak	
6	2483.9450	9.11	31.71	40.82	54.00	-13.18	AVG	

REMARKS:

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

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------

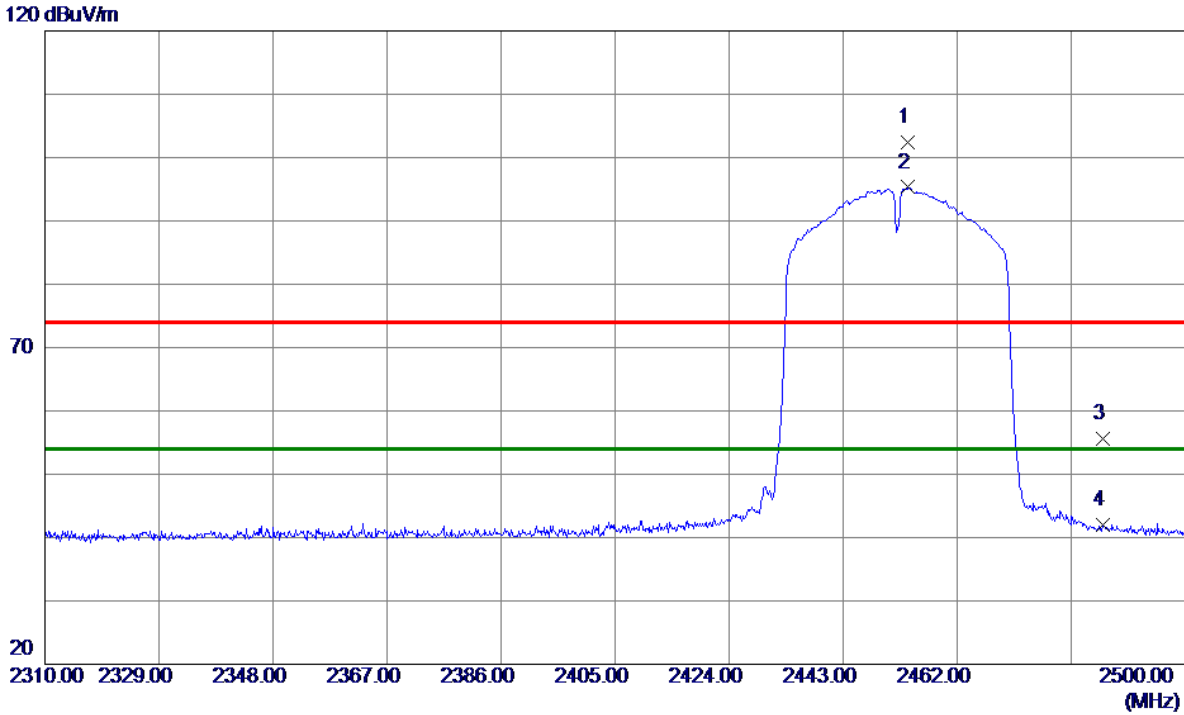


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4874.0000	51.90	-9.77	42.13	74.00	-31.87	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

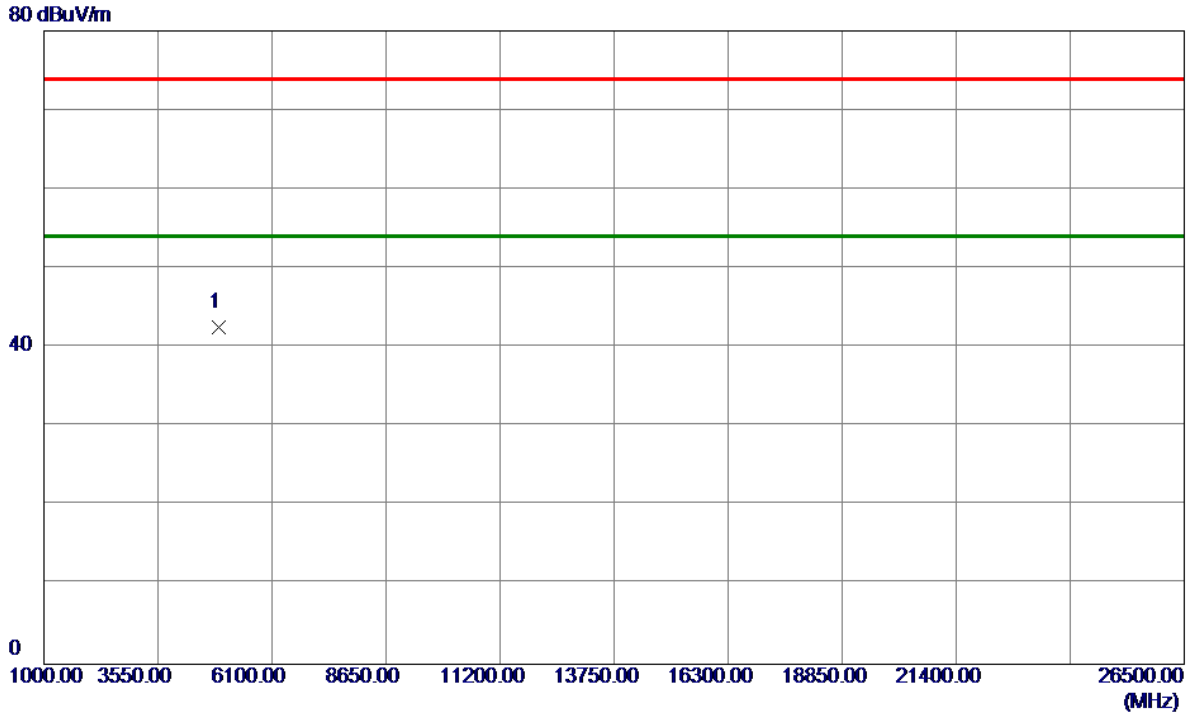


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2453.8300	70.75	31.71	102.46	74.00	28.46	Peak	NO limit
2 *	2453.8300	63.59	31.71	95.30	54.00	41.30	AVG	NO limit
3	2486.3200	23.82	31.71	55.53	74.00	-18.47	Peak	
4	2486.3200	10.37	31.71	42.08	54.00	-11.92	AVG	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Vertical
-----------	--------------------------	--------------	----------

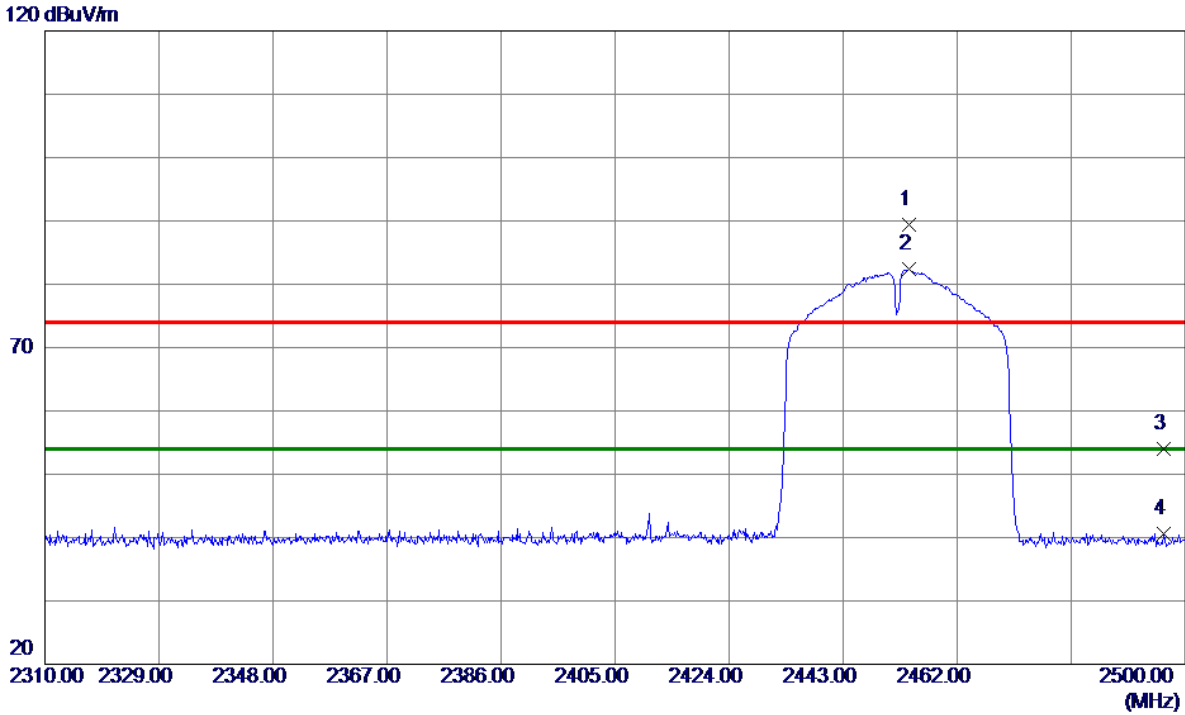


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4904.0000	52.25	-9.72	42.53	74.00	-31.47	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------

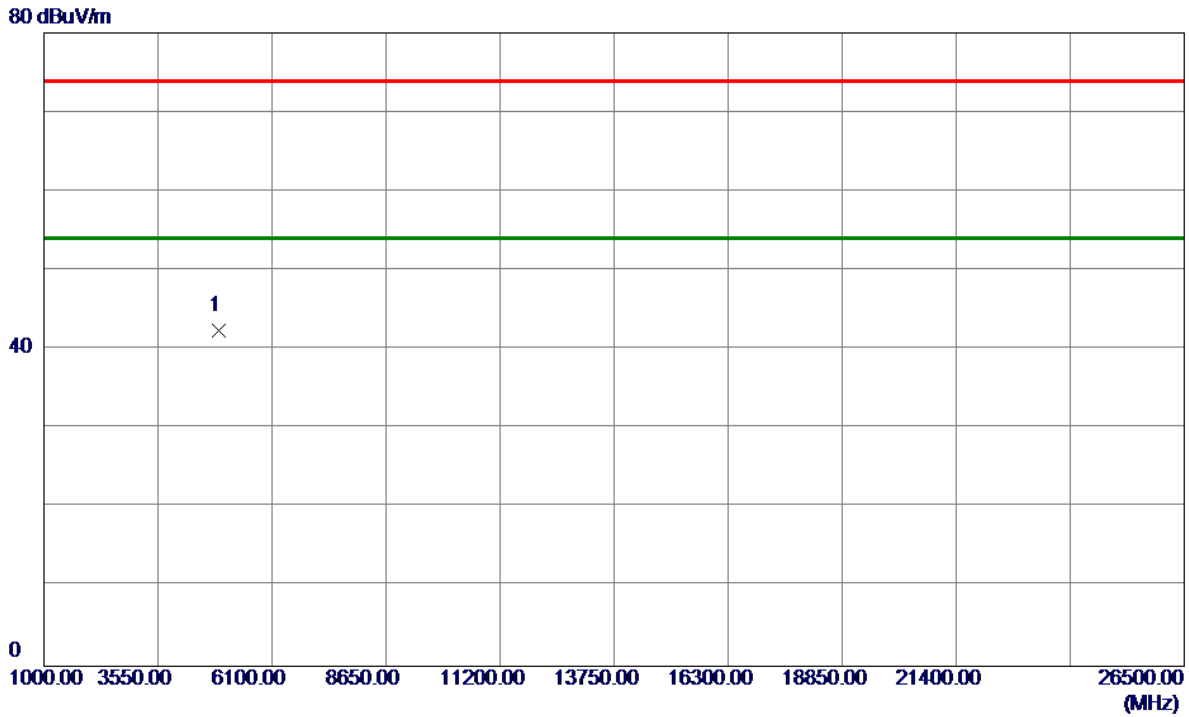


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2454.0200	57.75	31.71	89.46	74.00	15.46	Peak	NO limit
2 *	2454.0200	50.65	31.71	82.36	54.00	28.36	AVG	NO limit
3	2496.4850	22.27	31.71	53.98	74.00	-20.02	Peak	
4	2496.4850	8.90	31.71	40.61	54.00	-13.39	AVG	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2452 MHz	Polarization	Horizontal
-----------	--------------------------	--------------	------------



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4904.0000	52.14	-9.72	42.42	74.00	-31.58	Peak	

REMARKS:

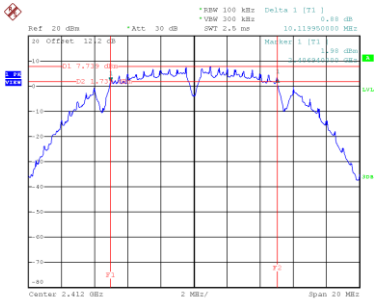
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode TX B Mode

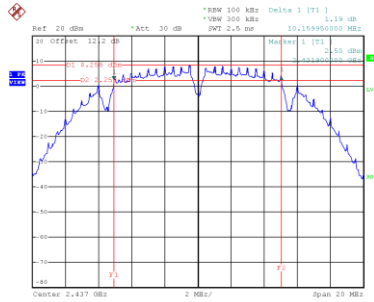
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	10.120	13.520	0.5	Complies
06	2437	10.160	13.520	0.5	Complies
11	2462	10.100	13.600	0.5	Complies

CH01



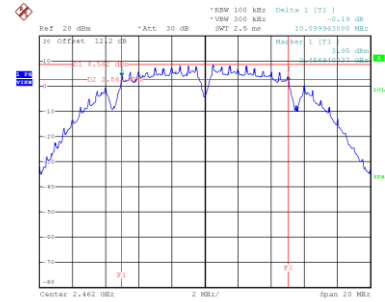
Date: 15_JUN.2021 15:17:134

CH06
6 dB Bandwidth



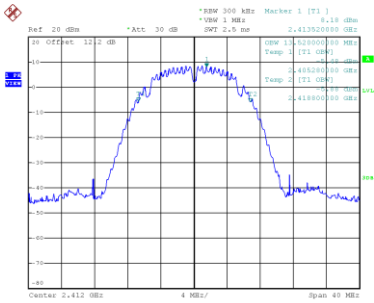
Date: 15_JUN.2021 15:20:132

CH11

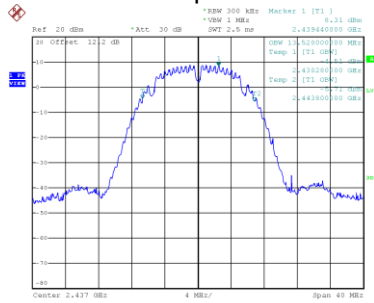


Date: 15_JUN.2021 15:27:122

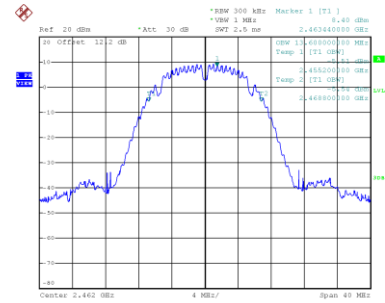
99 % Occupied Bandwidth



Date: 15_JUN.2021 15:17:140



Date: 15_JUN.2021 15:20:138

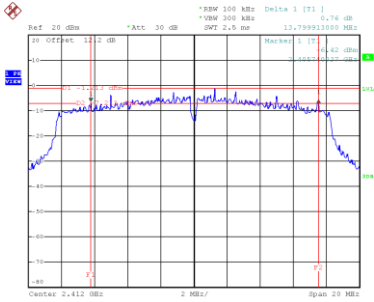


Date: 15_JUN.2021 15:27:128

Test Mode TX G Mode

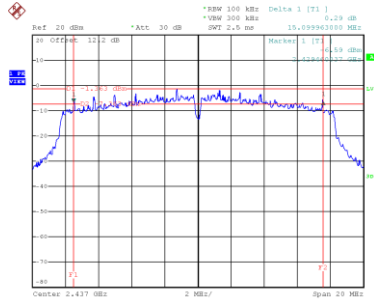
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	13.800	16.400	0.5	Complies
06	2437	15.100	16.400	0.5	Complies
11	2462	13.420	16.400	0.5	Complies

CH01



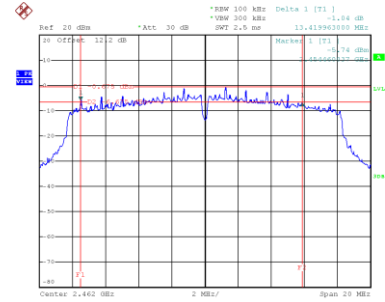
Date: 15_JUN_2021 15:33:10Z

CH06
6 dB Bandwidth



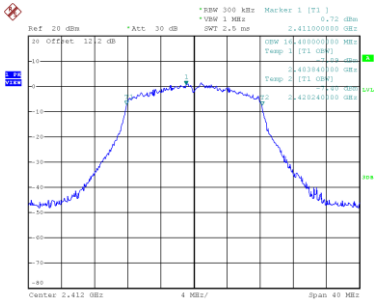
Date: 15_JUN_2021 15:33:15Z

CH11

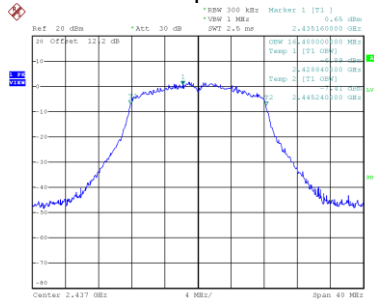


Date: 15_JUN_2021 15:34:15Z

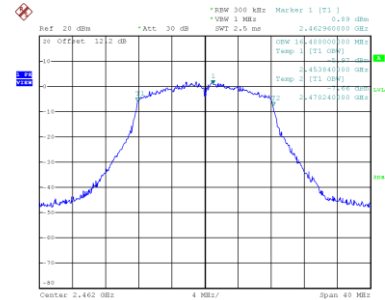
99 % Occupied Bandwidth



Date: 15_JUN_2021 15:33:10Z



Date: 15_JUN_2021 15:33:10Z

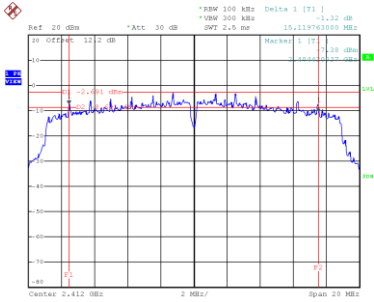


Date: 15_JUN_2021 15:33:10Z

Test Mode	TX N(HT20) Mode
-----------	-----------------

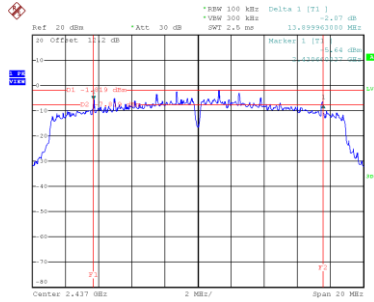
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	15.120	17.600	0.5	Complies
06	2437	13.900	17.600	0.5	Complies
11	2462	15.100	17.600	0.5	Complies

CH01



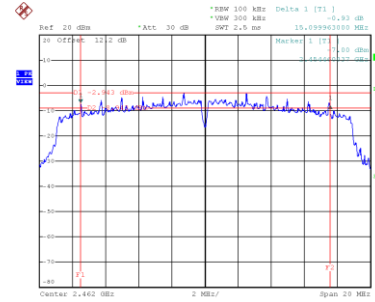
Date: 15_JUN_2021 15:138108

CH06
6 dB Bandwidth



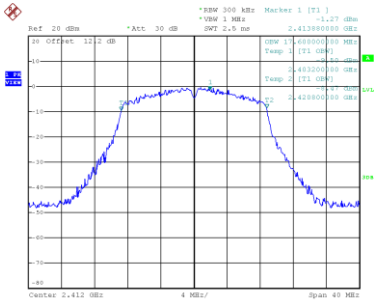
Date: 15_JUN_2021 15:145111

CH11

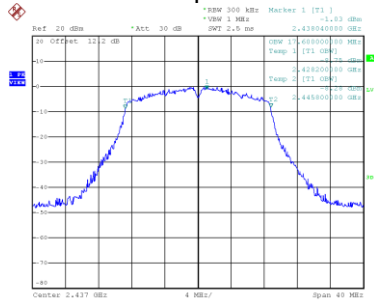


Date: 15_JUN_2021 15:150125

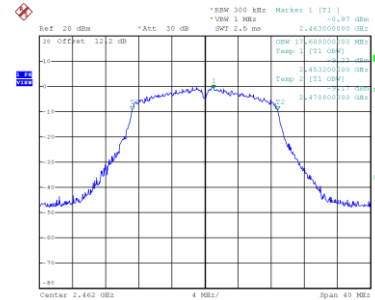
99 % Occupied Bandwidth



Date: 15_JUN_2021 15:138115



Date: 15_JUN_2021 15:145118

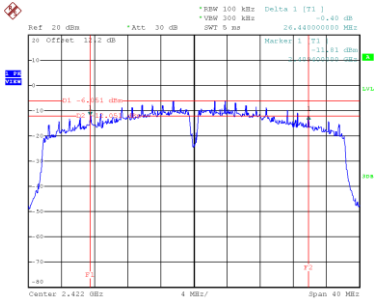


Date: 15_JUN_2021 15:150131

Test Mode	TX N(HT40) Mode
-----------	-----------------

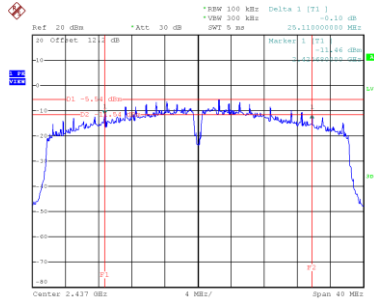
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	26.440	34.720	0.5	Complies
06	2437	25.110	34.720	0.5	Complies
09	2452	26.390	34.720	0.5	Complies

CH03



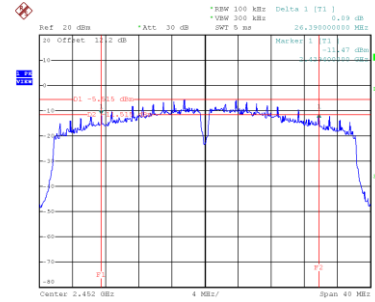
Date: 15_JUN.2021 15:55:55

CH06
6 dB Bandwidth



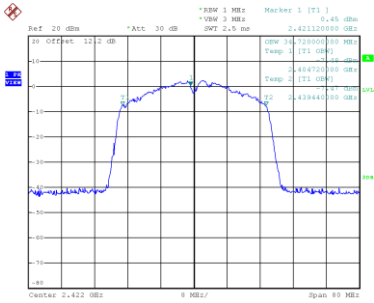
Date: 15_JUN.2021 16:00:33

CH09

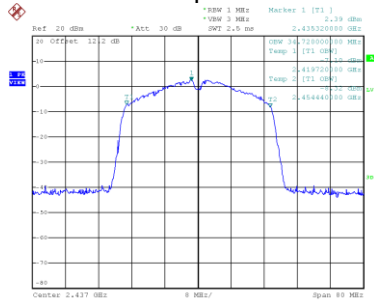


Date: 15_JUN.2021 16:05:33

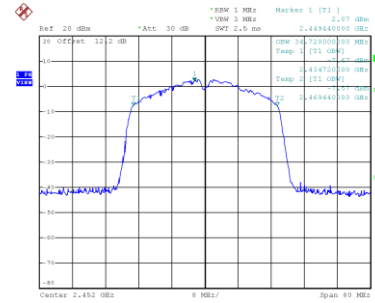
99 % Occupied Bandwidth



Date: 15_JUN.2021 15:56:02



Date: 15_JUN.2021 16:00:40



Date: 15_JUN.2021 16:05:40

APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode_Ant. 1
-----------	------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	21.18	30.00	1.0000	Complies
06	2437	21.37	30.00	1.0000	Complies
11	2462	21.19	30.00	1.0000	Complies

Test Mode	TX G Mode_Ant. 1
-----------	------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	19.33	30.00	1.0000	Complies
06	2437	19.28	30.00	1.0000	Complies
11	2462	19.32	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 1
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.24	30.00	1.0000	Complies
06	2437	17.38	30.00	1.0000	Complies
11	2462	16.99	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Ant. 2
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	17.03	30.00	1.0000	Complies
06	2437	17.21	30.00	1.0000	Complies
11	2462	17.27	30.00	1.0000	Complies

Test Mode	TX N(HT20) Mode_Total
-----------	-----------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	20.15	30.00	1.0000	Complies
06	2437	20.31	30.00	1.0000	Complies
11	2462	20.14	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 1
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	17.16	30.00	1.0000	Complies
06	2437	17.17	30.00	1.0000	Complies
09	2452	17.48	30.00	1.0000	Complies

Test Mode	TX N(HT40) Mode_Ant. 2
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	16.97	30.00	1.0000	Complies
06	2437	16.27	30.00	1.0000	Complies
09	2452	17.39	30.00	1.0000	Complies

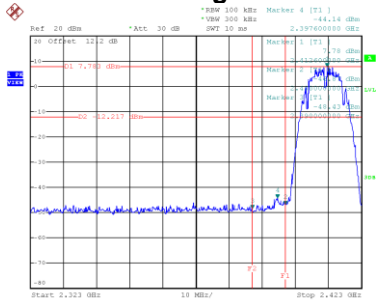
Test Mode	TX N(HT40) Mode_Total
-----------	-----------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	20.08	30.00	1.0000	Complies
06	2437	19.75	30.00	1.0000	Complies
09	2452	20.45	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

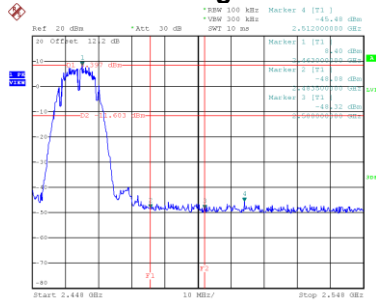
Test Mode TX B Mode_Ant. 1

Bandedge-CH01



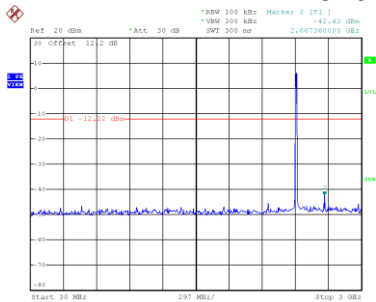
Date: 15.JUN.2021 15:17:48

Bandedge-CH11

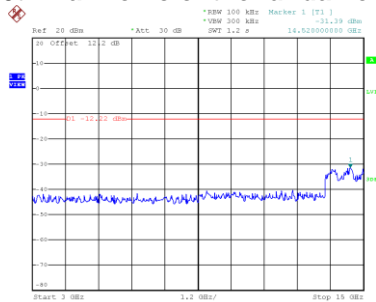


Date: 15.JUN.2021 15:17:35

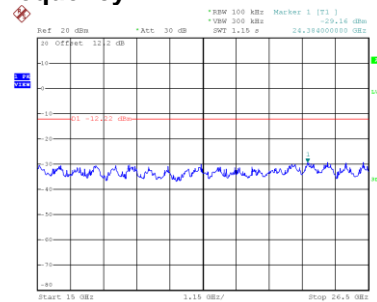
CH01 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:18:00

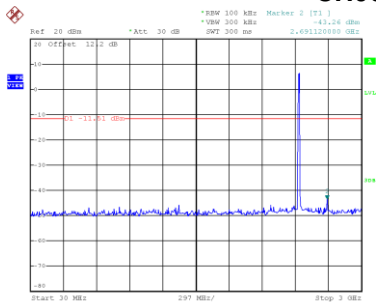


Date: 15.JUN.2021 15:18:08

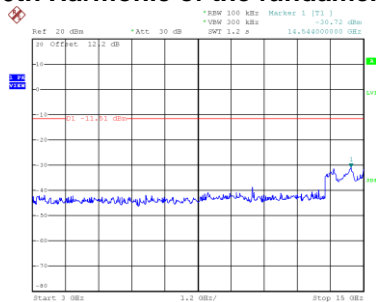


Date: 15.JUN.2021 15:18:15

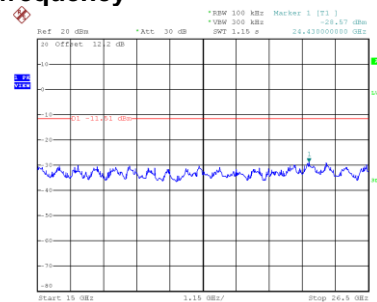
CH06 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:20:59

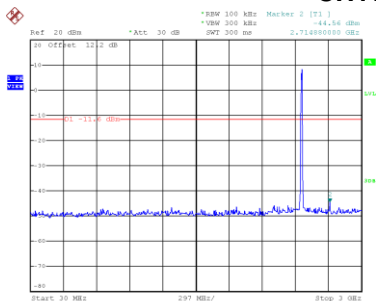


Date: 15.JUN.2021 15:21:06

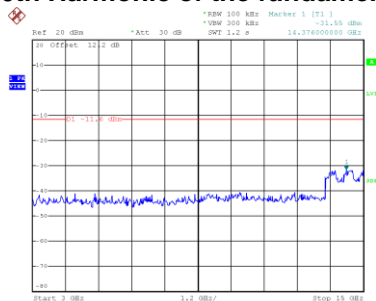


Date: 15.JUN.2021 15:21:13

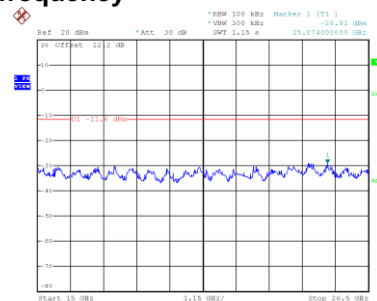
CH11 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:27:49



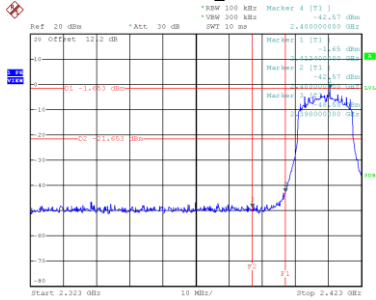
Date: 15.JUN.2021 15:27:56



Date: 15.JUN.2021 15:28:03

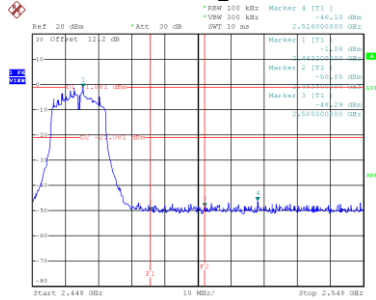
Test Mode TX G Mode_Ant. 1

Bandedge-CH01



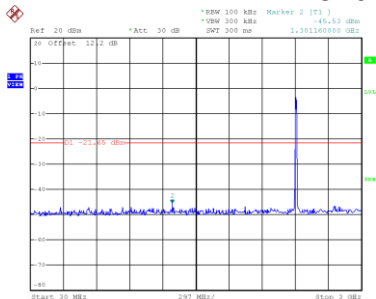
Date: 15.JUN.2021 15:31:16

Bandedge-CH11

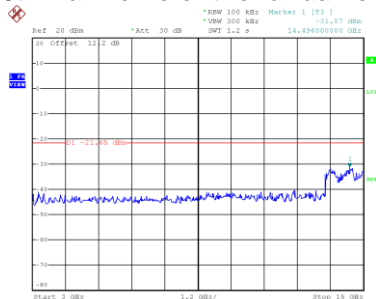


Date: 15.JUN.2021 15:35:10

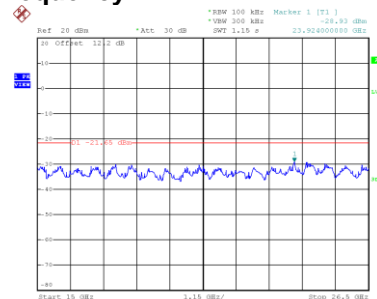
CH01 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:31:29

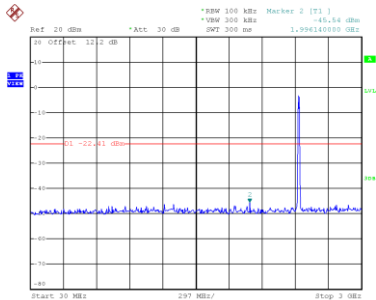


Date: 15.JUN.2021 15:31:36

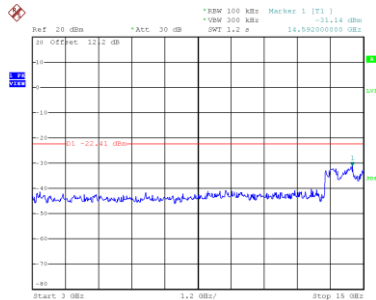


Date: 15.JUN.2021 15:31:43

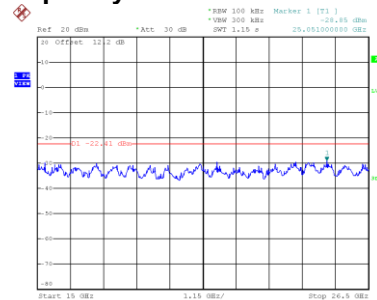
CH06 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:33:23

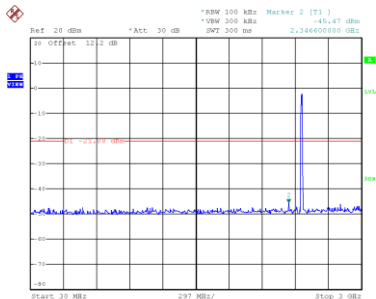


Date: 15.JUN.2021 15:33:30

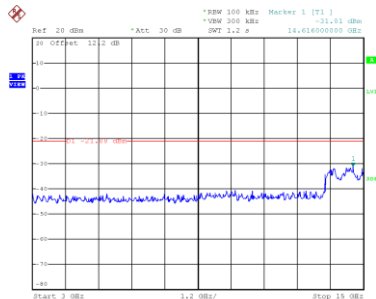


Date: 15.JUN.2021 15:33:37

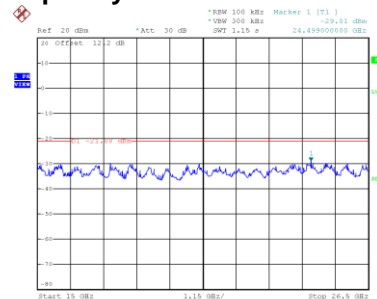
CH11 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:35:23



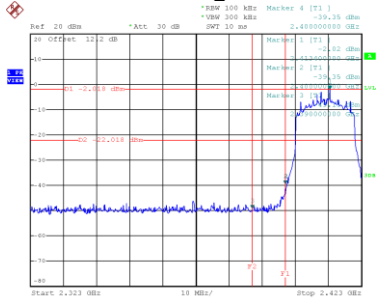
Date: 15.JUN.2021 15:35:30



Date: 15.JUN.2021 15:35:37

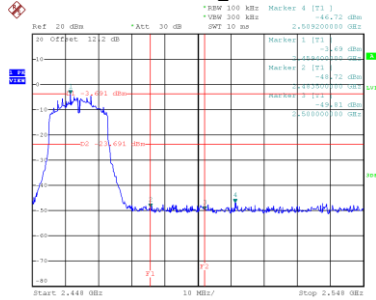
Test Mode TX N(HT20) Mode_Ant. 1

Bandedge-CH01



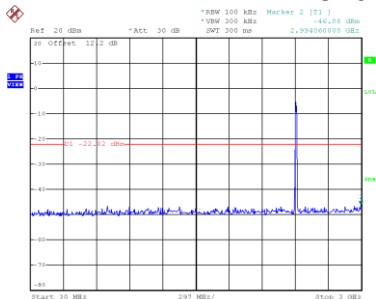
Date: 15.JUN.2021 15:38:22

Bandedge-CH11

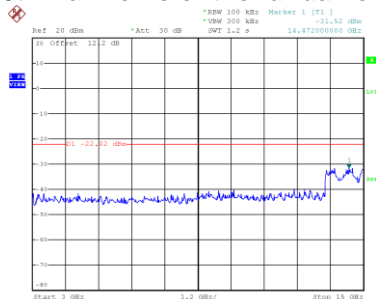


Date: 15.JUN.2021 15:50:38

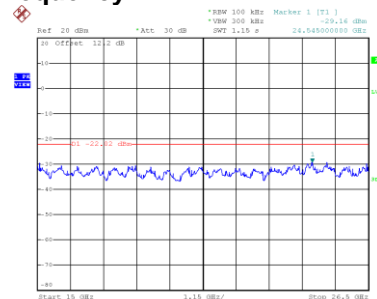
CH01 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:38:35

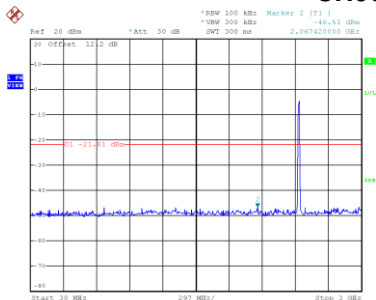


Date: 15.JUN.2021 15:38:42

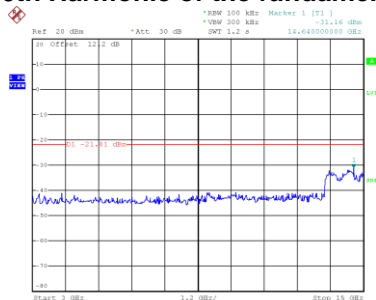


Date: 15.JUN.2021 15:38:50

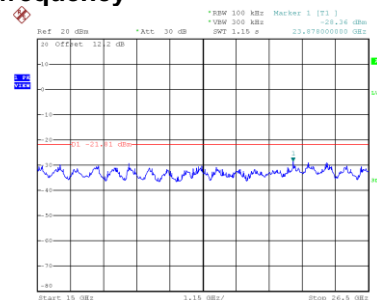
CH06 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:45:38

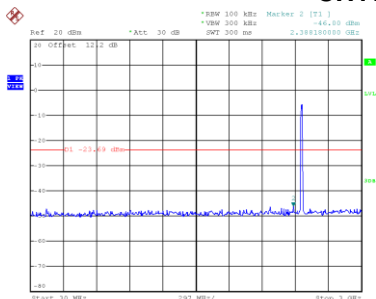


Date: 15.JUN.2021 15:45:45

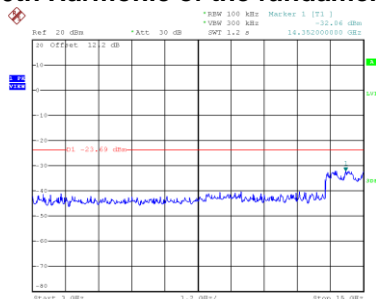


Date: 15.JUN.2021 15:45:52

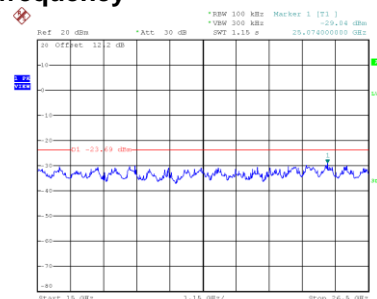
CH11 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:50:51



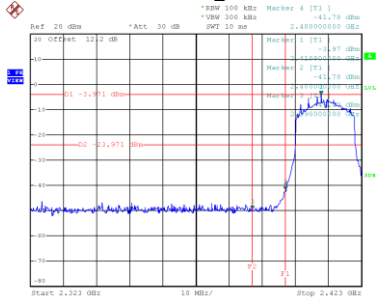
Date: 15.JUN.2021 15:50:59



Date: 15.JUN.2021 15:51:06

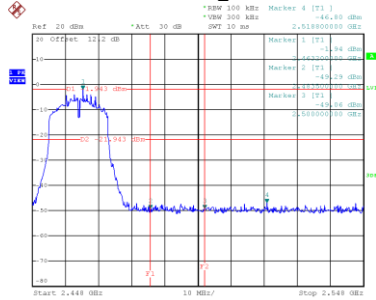
Test Mode TX N(HT20) Mode_Ant. 2

Bandedge-CH01



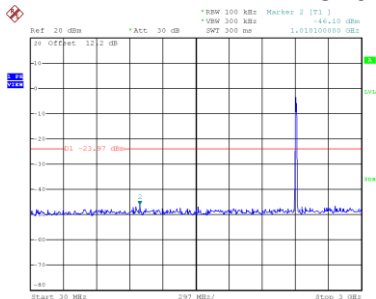
Date: 15.JUN.2021 15:43:14

Bandedge-CH11

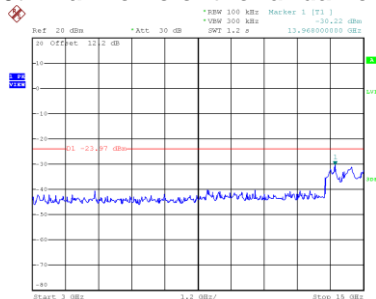


Date: 15.JUN.2021 15:53:29

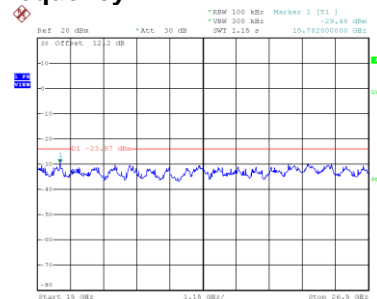
CH01 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:43:27

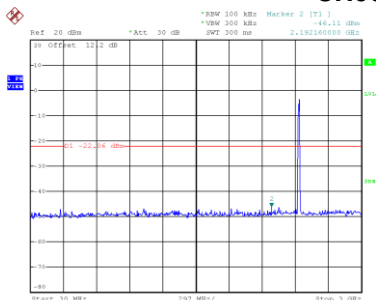


Date: 15.JUN.2021 15:43:34

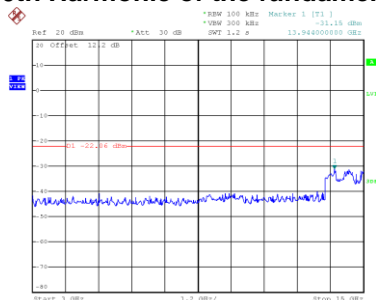


Date: 15.JUN.2021 15:43:41

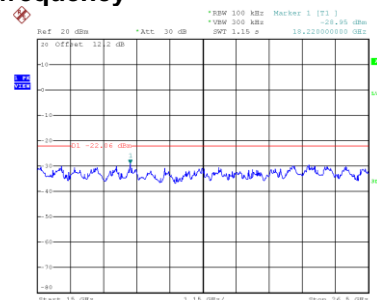
CH06 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:47:10

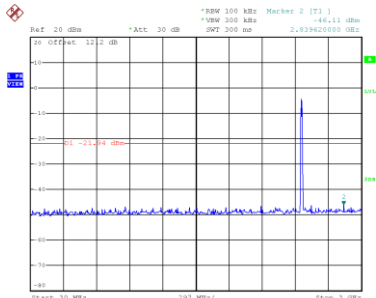


Date: 15.JUN.2021 15:47:17

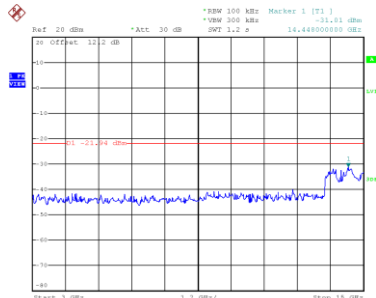


Date: 15.JUN.2021 15:47:24

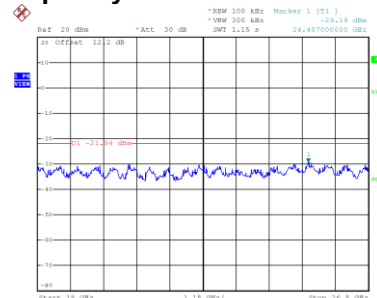
CH11 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:53:142



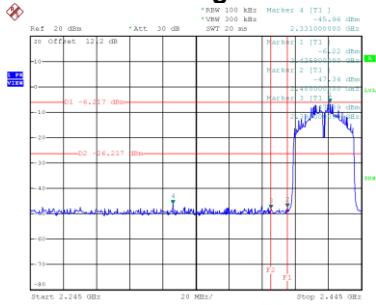
Date: 15.JUN.2021 15:53:149



Date: 15.JUN.2021 15:53:156

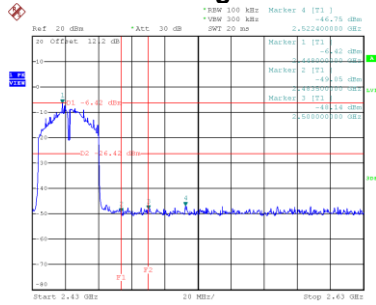
Test Mode TX N(HT40) Mode_Ant. 1

Bandedge-CH03



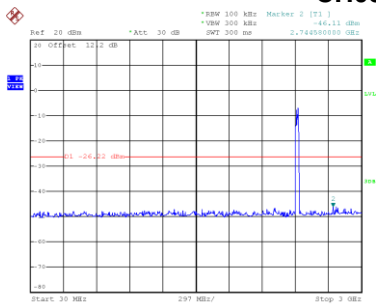
Date: 15.JUN.2021 15:56:09

Bandedge-CH09

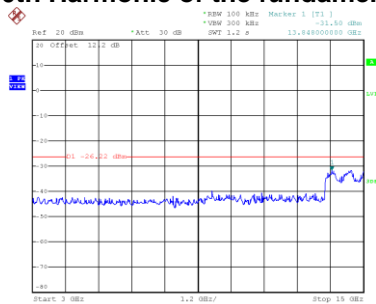


Date: 15.JUN.2021 16:05:47

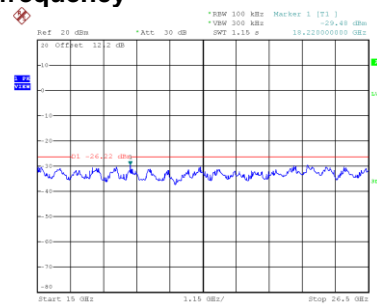
CH03 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 15:56:22

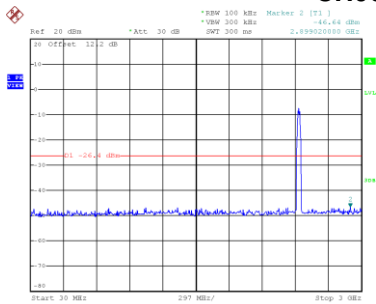


Date: 15.JUN.2021 15:56:29

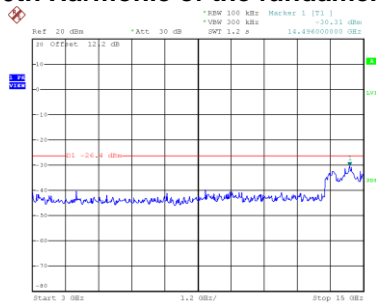


Date: 15.JUN.2021 15:56:36

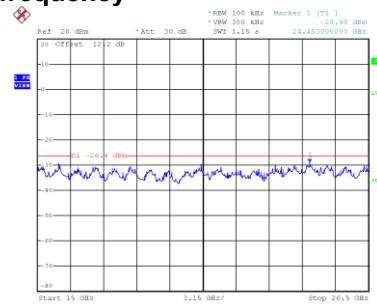
CH06 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 16:01:00

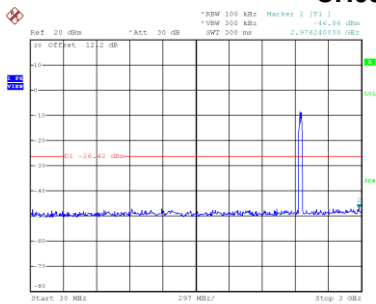


Date: 15.JUN.2021 16:01:08

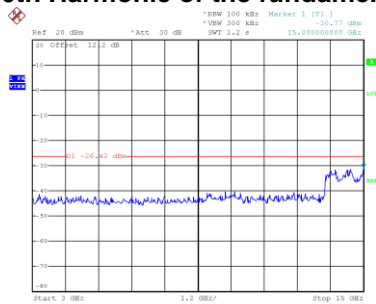


Date: 15.JUN.2021 16:01:15

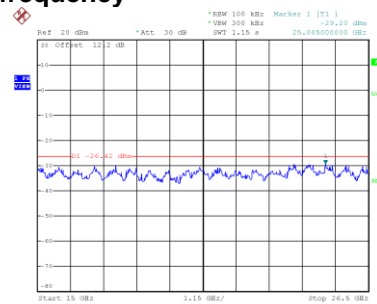
CH09 – 10th Harmonic of the fundamental frequency



Date: 15.JUN.2021 16:06:00



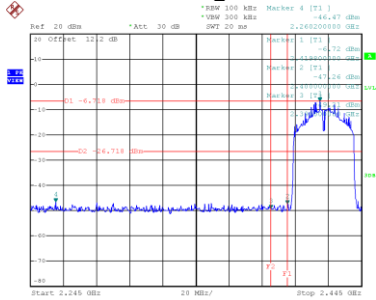
Date: 15.JUN.2021 16:06:07



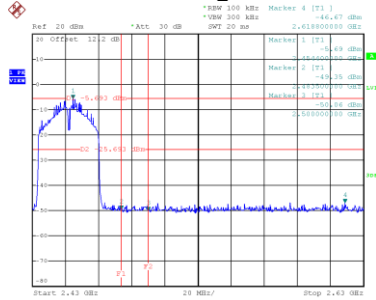
Date: 15.JUN.2021 16:06:14

Test Mode TX N(HT40) Mode_Ant. 2

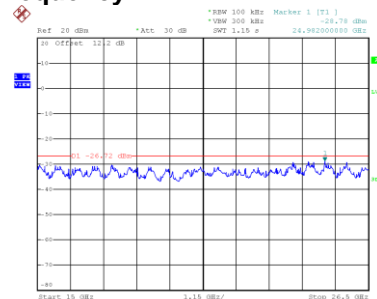
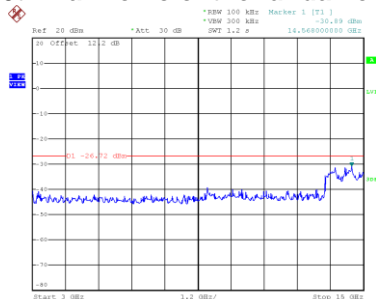
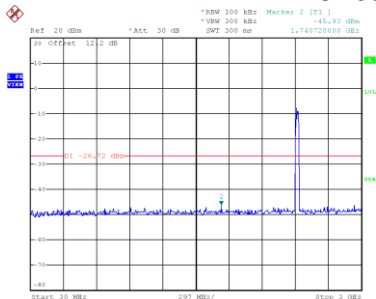
Bandedge-CH03



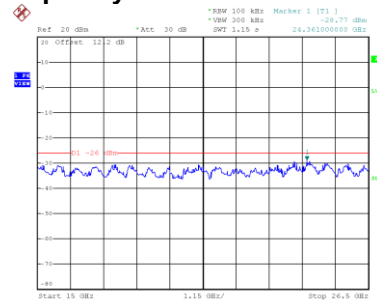
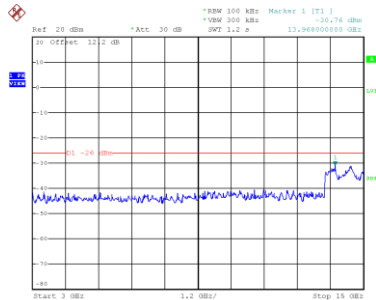
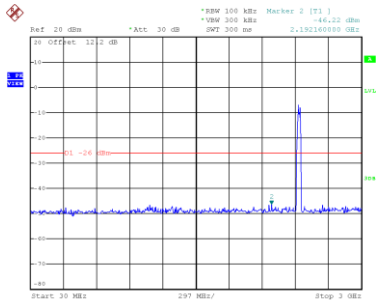
Bandedge-CH09



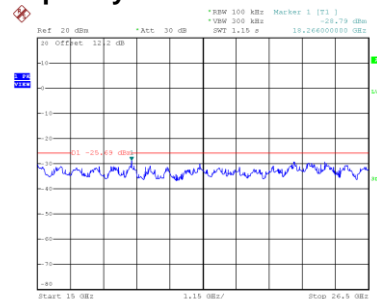
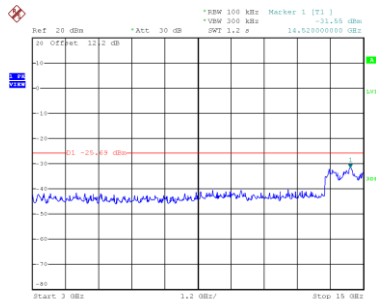
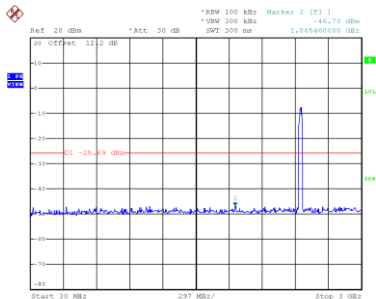
CH03 – 10th Harmonic of the fundamental frequency



CH06 – 10th Harmonic of the fundamental frequency



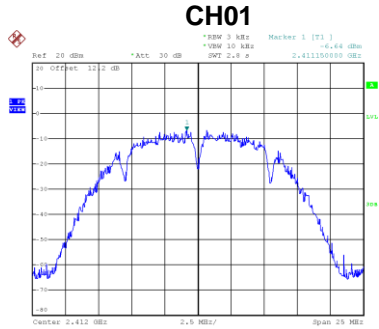
CH09 – 10th Harmonic of the fundamental frequency



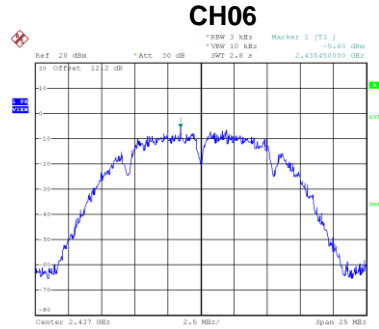
APPENDIX H - POWER SPECTRAL DENSITY

Test Mode	TX B Mode_Ant. 1
-----------	------------------

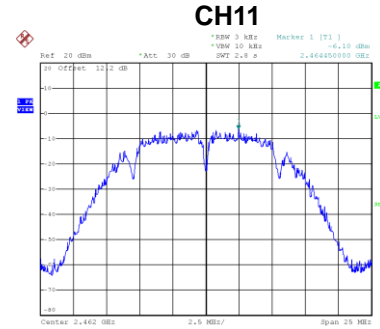
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-6.64	8.00	Complies
06	2437	-5.60	8.00	Complies
11	2462	-6.10	8.00	Complies



Date: 15_JUN_2021 15:18:123



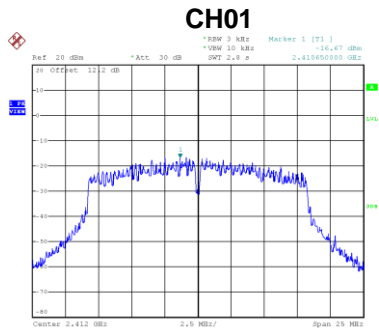
Date: 15_JUN_2021 15:21:122



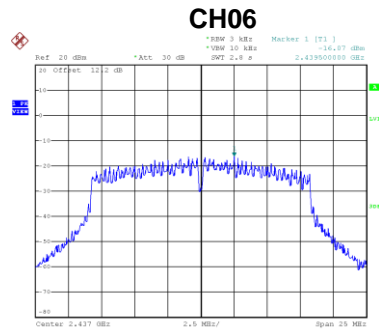
Date: 15_JUN_2021 15:28:111

Test Mode	TX G Mode_Ant. 1
-----------	------------------

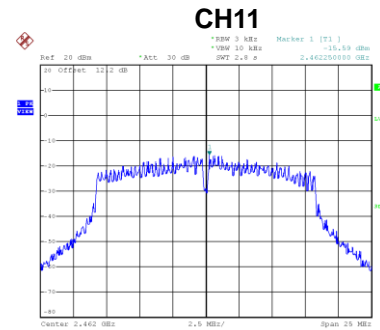
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-16.67	8.00	Complies
06	2437	-16.07	8.00	Complies
11	2462	-15.59	8.00	Complies



Date: 15_JUN_2021 15:13:152



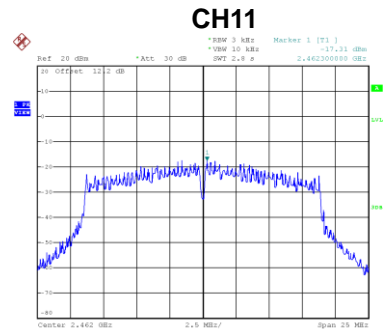
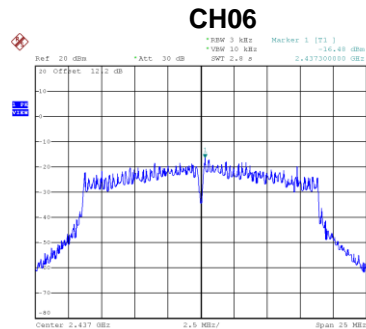
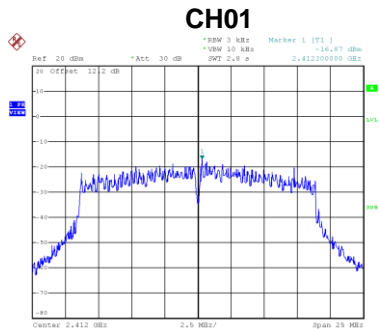
Date: 15_JUN_2021 15:13:146



Date: 15_JUN_2021 15:13:146

Test Mode	TX N(HT20) Mode_Ant. 1
-----------	------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-16.87	5.99	Complies
06	2437	-16.48	5.99	Complies
11	2462	-17.31	5.99	Complies



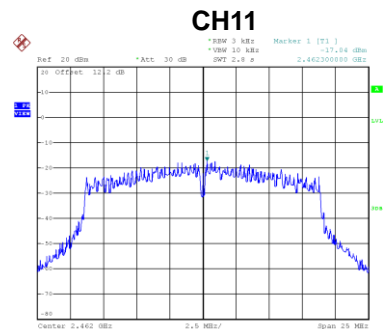
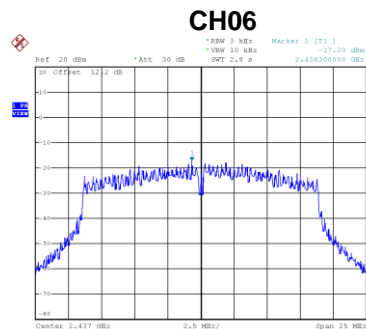
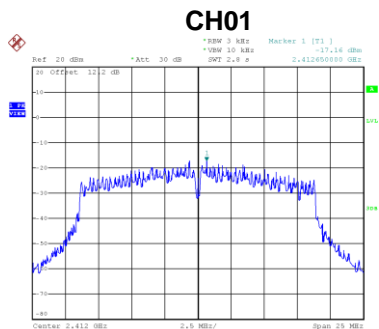
Date: 15_JUN_2021 15:13:15

Date: 15_JUN_2021 15:14:01

Date: 15_JUN_2021 15:15:14

Test Mode	TX N(HT20) Mode_Ant. 2
-----------	------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-17.16	5.99	Complies
06	2437	-17.20	5.99	Complies
11	2462	-17.04	5.99	Complies



Date: 15_JUN_2021 15:14:19

Date: 15_JUN_2021 15:14:33

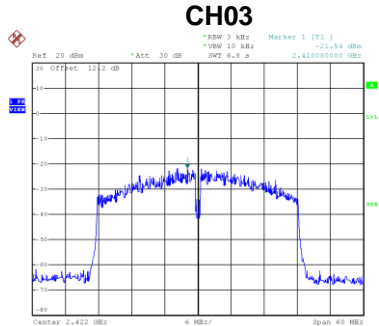
Date: 15_JUN_2021 15:15:10

Test Mode	TX N(HT20) Mode_Total
-----------	-----------------------

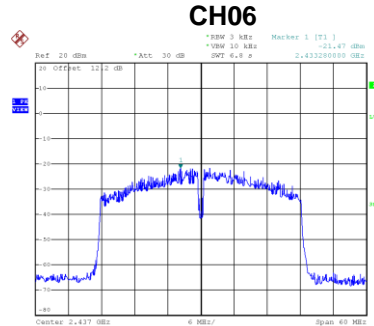
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-14.00	5.99	Complies
06	2437	-13.81	5.99	Complies
11	2462	-14.16	5.99	Complies

Test Mode	TX N(HT40) Mode_Ant. 1
-----------	------------------------

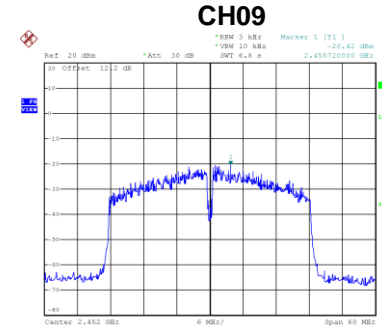
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-21.54	5.99	Complies
06	2437	-21.47	5.99	Complies
09	2452	-20.42	5.99	Complies



Date: 15_JUN_2021 15:56:147



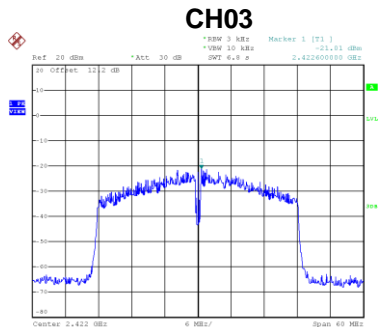
Date: 15_JUN_2021 16:01:26



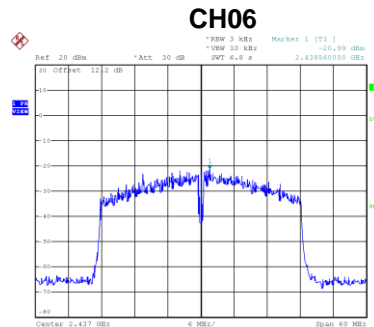
Date: 15_JUN_2021 16:06:26

Test Mode	TX N(HT40) Mode_Ant. 2
-----------	------------------------

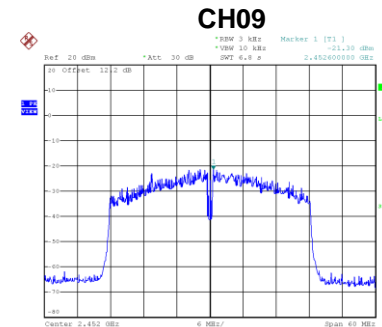
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-21.01	5.99	Complies
06	2437	-20.99	5.99	Complies
09	2452	-21.30	5.99	Complies



Date: 15_JUN_2021 15:59:121



Date: 15_JUN_2021 16:03:58



Date: 15_JUN_2021 16:08:40

Test Mode	TX N(HT40) Mode_Total
-----------	-----------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-18.26	5.99	Complies
06	2437	-18.21	5.99	Complies
09	2452	-17.83	5.99	Complies

End of Test Report