

FCC Radio Test Report

FCC ID: 2AWG9-OSPREY

This report concerns: Original Grant

Project No. : 2107C014
Equipment : 4G LTE WiFi Router
Brand Name : WiFiRanger
Test Model : OSPREY
Series Model : N/A
Applicant : WiFiRanger, A LinOra Company
Address : 943 W Overland Road, , Meridian, Idaho United States 83642
Manufacturer : Shenzhen Connect Technology Co.,Ltd
Address : G Zone, 3/F, Building 1, Baisha High-Tech Park, Xili Street, Shenzhen
Factory : Shenzhen Connect Technology Co.,Ltd
Address : Second Standard Factory, Zhongcai Road, Yingbin Avenue, Luxi Industrial Park, Jiangxi
Date of Receipt : Jul. 08, 2021
Date of Test : Jul. 09, 2021 ~ Aug. 16, 2021
Issued Date : Aug. 25, 2021
Report Version : R01
Test Sample : Engineering Sample No.: DG2021070562
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.

Vegeta Li

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TESTING CERT #5123.02

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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.

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REPORT ISSUED HISTORY

Report Version	Description	Issued Date
R00	Original Issue.	Aug. 23, 2021
R01	Removed test photos.	Aug. 25, 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. 3 Jinshagang 1st Rd. Shixia, Dalang Town, Dongguan City, Guangdong, People's Republic of China.

BTL's Test Firm Registration Number for FCC: 357015

BTL's Designation Number for FCC: CN1240

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)
DG-C02	CISPR	150kHz ~ 30MHz	2.68

B. Radiated emissions test:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9kHz ~ 30MHz	-	3.02
		30MHz ~ 200MHz	V	4.26
		30MHz ~ 200MHz	H	3.38
		200MHz ~ 1,000MHz	V	3.98
		200MHz ~ 1,000MHz	H	3.94
		1GHz ~ 6GHz	-	3.96
		6GHz ~ 18GHz	-	5.24
		18GHz ~ 26.5GHz	-	3.62
		26.5GHz ~ 40GHz	-	4.00

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	±3.8 %
Maximum Output Power	±0.95 dB
Conducted Spurious Emission	±2.71 dB
Power Spectral Density	±0.86 dB
Temperature	±0.08 °C
Humidity	±1.5%

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	25°C	53%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-9kHz to 30 MHz	25°C	60%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-30MHz to 1000MHz	26°C	52%	AC 120V/60Hz	Kwok Guo
Radiated Emissions-Above 1000MHz	26°C	52%	AC 120V/60Hz	Kwok Guo
Bandwidth	23°C	47%	AC 120V/60Hz	Jesse Wang
Maximum Output Power	23°C	47%	AC 120V/60Hz	Laughing Zhang
Conducted Spurious Emissions	23°C	47%	AC 120V/60Hz	Jesse Wang
Power Spectral Density	23°C	47%	AC 120V/60Hz	Jesse Wang

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	4G LTE WiFi Router
Brand Name	WiFiRanger
Test Model	OSPRED
Series Model	N/A
Model Difference(s)	N/A
Power Source	DC voltage supplied from AC adapter. (Support Units)
Power Rating	I/P: 100-240V~ 50/60Hz 0.3A max O/P: 12.0V $\approx$ 1A
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 802.11n(HT20): 18.76dBm (0.0733 W)

Note:

- 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	3.2
2	N/A	N/A	Dipole	N/A	3.2

Note:

- This EUT supports MIMO, any transmit signals are correlated with each other, so Directional gain= $G_{ANT}+10\log(N)$ dBi, that is Directional gain= $3.2+10\log(2)$ dBi=6.21. So, the output power limit is $30-(6.21-6)=29.79$, the power spectral density limit is $8-(6.21-6)=7.79$.
- The antenna gain is provided by the manufacturer.

4. Table for Antenna Configuration:

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

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 N(HT20) Mode Channel 01

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 N(HT20) Mode Channel 01

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 5	TX N(HT20) Mode Channel 01

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 N(HT20) Channel 01 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.

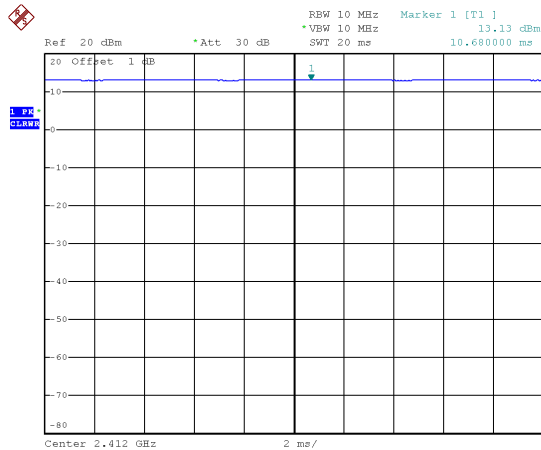
2.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	QDRCT		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	13	13	13
IEEE 802.11g	15	13	11
IEEE 802.11n(HT20)	15	14	11.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	15	14	13

2.4 DUTY CYCLE

If duty cycle is $\geq 98\%$, duty factor is not required.
 If duty cycle is $< 98\%$, duty factor shall be considered.
 The output power = measured power + duty factor.

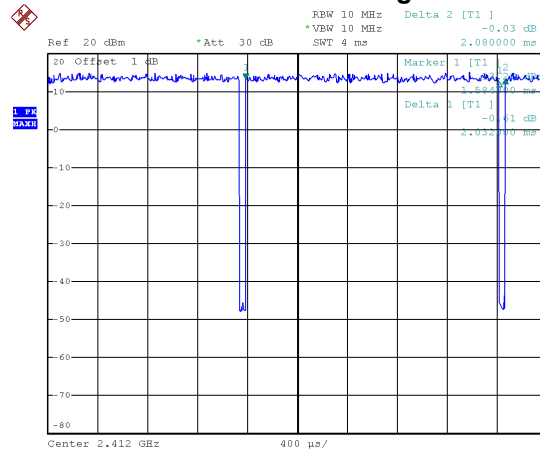
IEEE 802.11b



Date: 23.JUL.2021 09:40:38

Duty cycle = 1.000 ms / 1.000 ms = 100%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00$

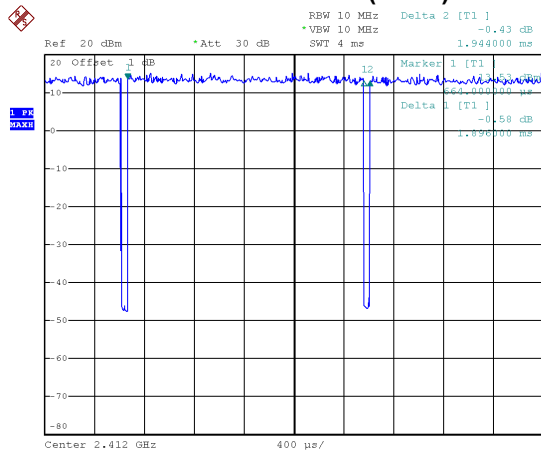
IEEE 802.11g



Date: 23.JUL.2021 09:43:21

Duty cycle = 2.032 ms / 2.080 ms = 97.69 %
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.10$

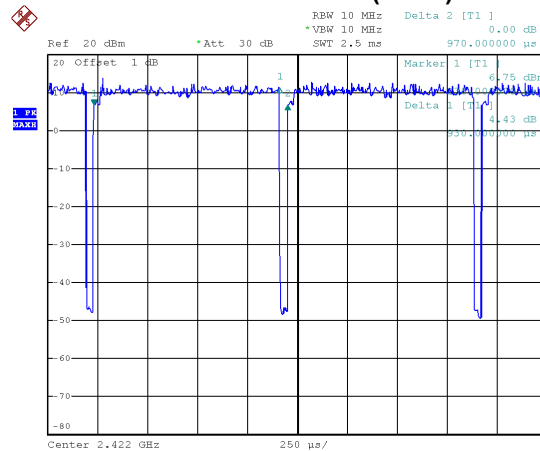
IEEE 802.11n(HT20)



Date: 23.JUL.2021 09:45:25

Duty cycle = 1.896 ms / 1.944 ms = 97.53 %
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.11$

IEEE 802.11n(HT40)



Date: 23.JUL.2021 09:47:04

Duty cycle = 0.930 ms / 0.970 ms = 95.88 %
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.18$

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 1 kHz.

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.

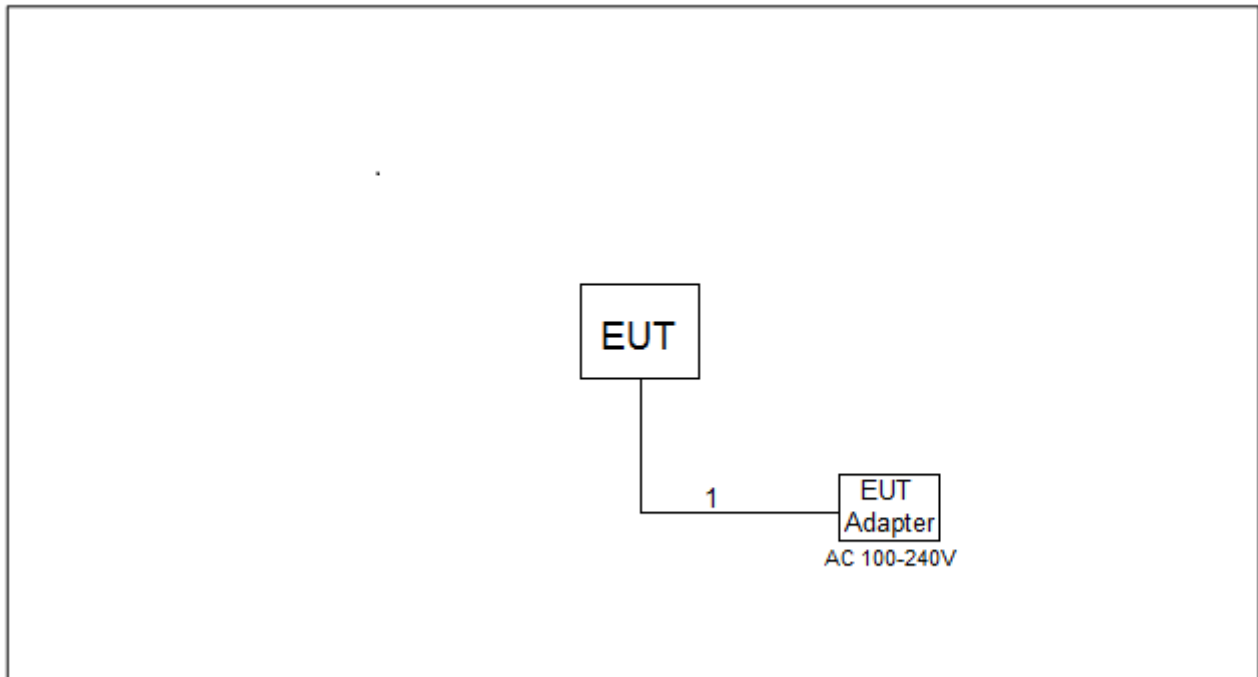
For IEEE 802.11n(HT20):

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	Equipment	Mfr/Brand	Model/Type No.	Series No.
-	-	-	-	-

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m

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.

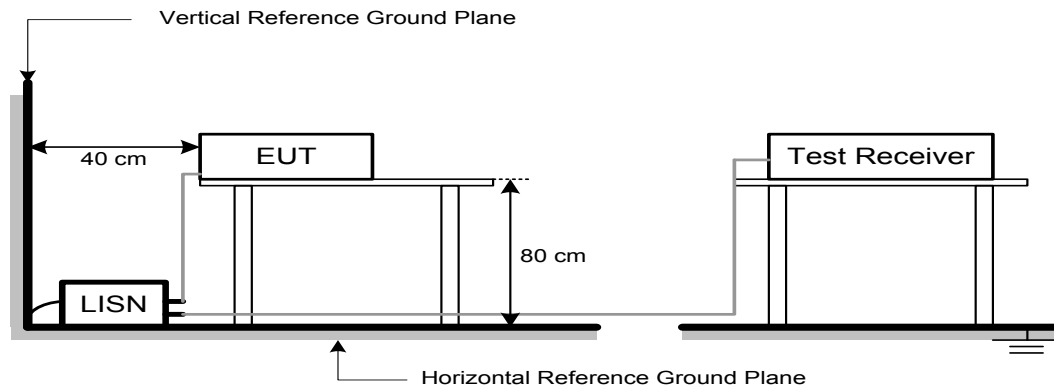
The following table is the setting of the receiver:

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

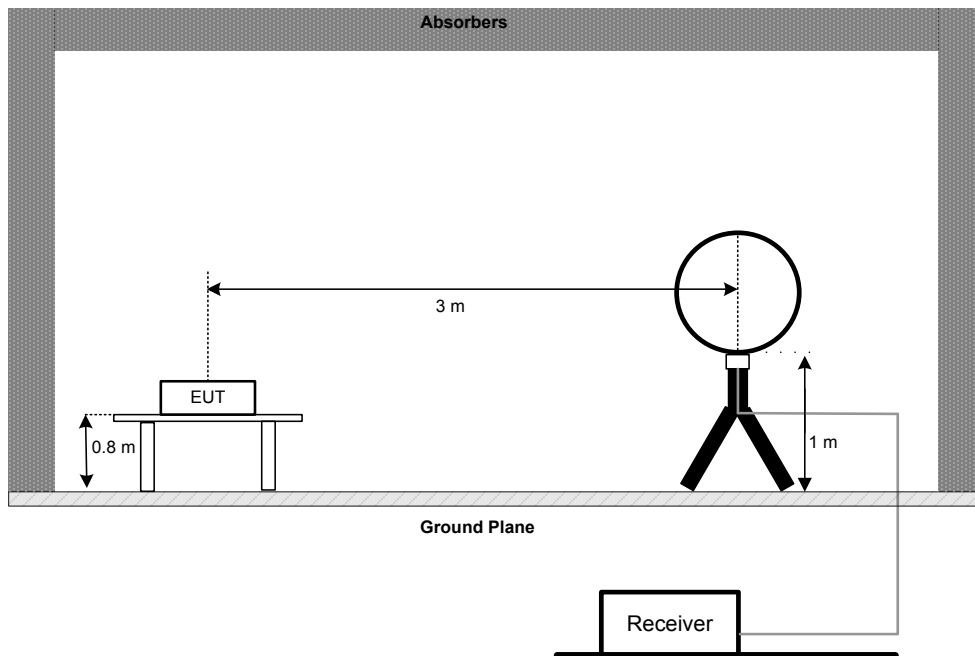
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

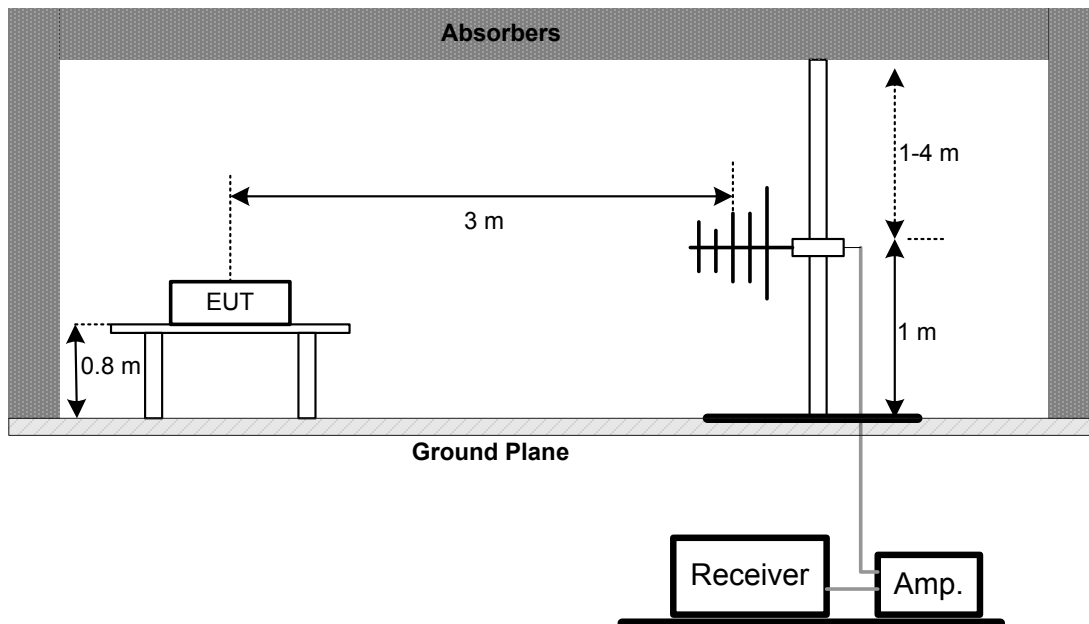
No deviation.

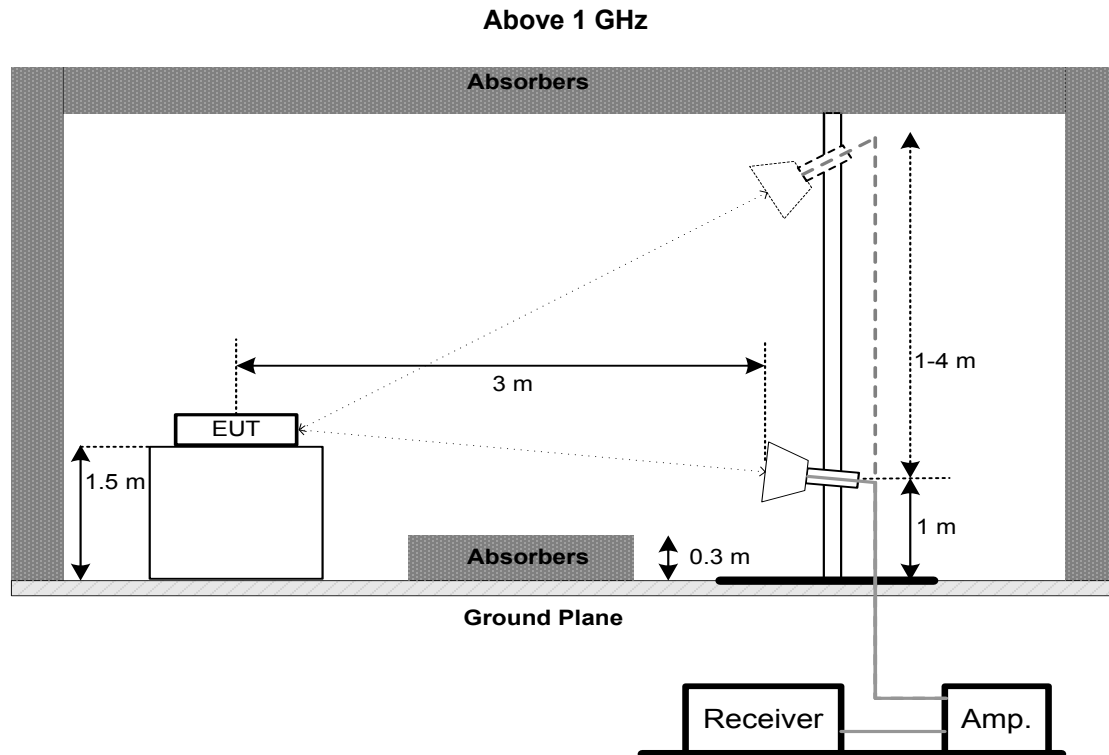
4.4 TEST SETUP

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

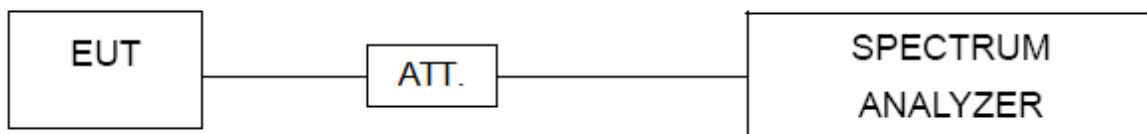
For 99% Emission Bandwidth:

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

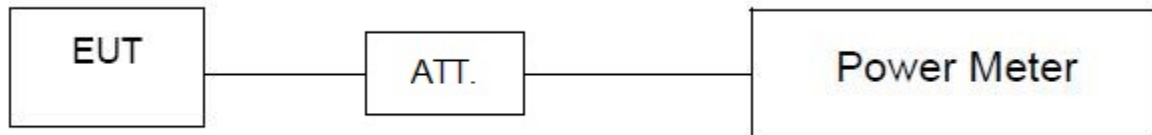
6.2 TEST PROCEDURE

- 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 11.9.2.3.1 (for AVG 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

- 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
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	EMI Test Receiver	R&S	ESCI	100382	Feb. 28, 2022
2	LISN	EMCO	3816/2	52765	Feb. 27, 2022
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Feb. 27, 2022
4	50Ω Terminator	SHX	TF5-3	15041305	Feb. 27, 2022
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 09, 2022
7	643 Shield Room	ETS	6*4*3m	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	EM	EM-6876-1	230	Apr. 28, 2022
2	Cable	N/A	RG 213/U	N/A	May 27, 2022
3	EMI Test Receiver	R&S	ESCI	100895	Feb. 27, 2022
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chambe Room	RM	9*6*6m	N/A	Jul. 24, 2022

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9160	9160-3232	Mar. 15, 2022
2	Amplifier	HP	8447D	2944A08742	Feb. 28, 2022
3	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022
4	Cable	emci	LMR-400(30MHz-1 GHz)(8m+5m)	N/A	May 20, 2022
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	966 Chambe Room	RM	9*6*6m	N/A	Jul. 24, 2022

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Guide Antenna	ETS	3115	75789	May 10, 2022
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2022
3	Amplifier	Agilent	8449B	3008A02584	Jul. 10, 2022
4	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 28, 2022
5	Receiver	Agilent	N9038A	MY52130039	Mar. 19, 2022
6	Controller	CT	SC100	N/A	N/A
7	Controller	MF	MF-7802	MF780208416	N/A
8	Cable	N/A	EMC104-SM-SM-6 000	N/A	Oct. 16, 2021
9	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	Filter	STI	STI15-9912	N/A	Jul. 10, 2022
11	966 Chambe Room	RM	9*6*6m	N/A	Jul. 24, 2022

Bandwidth & Conducted Spurious Emissions & Power Spectral Density					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Jul. 10, 2022
2	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A	N/A	N/A

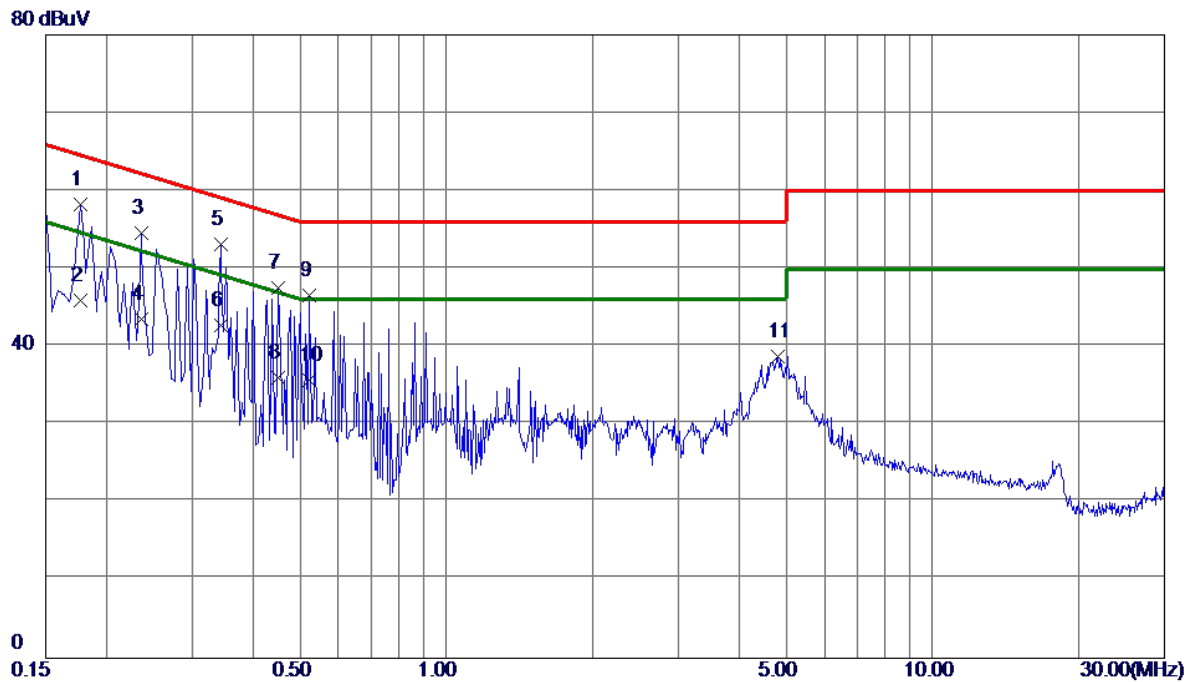
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jul. 10, 2022
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 10, 2022
3	Attenuator	WOKEN	6SM3502	VAS1214NL	Feb. 07, 2022
4	RF Cable	Tongkaichuan	N/A	N/A	N/A

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

All calibration period of equipment list is one year.

APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX N(HT20) Mode Channel 01	Phase	Line
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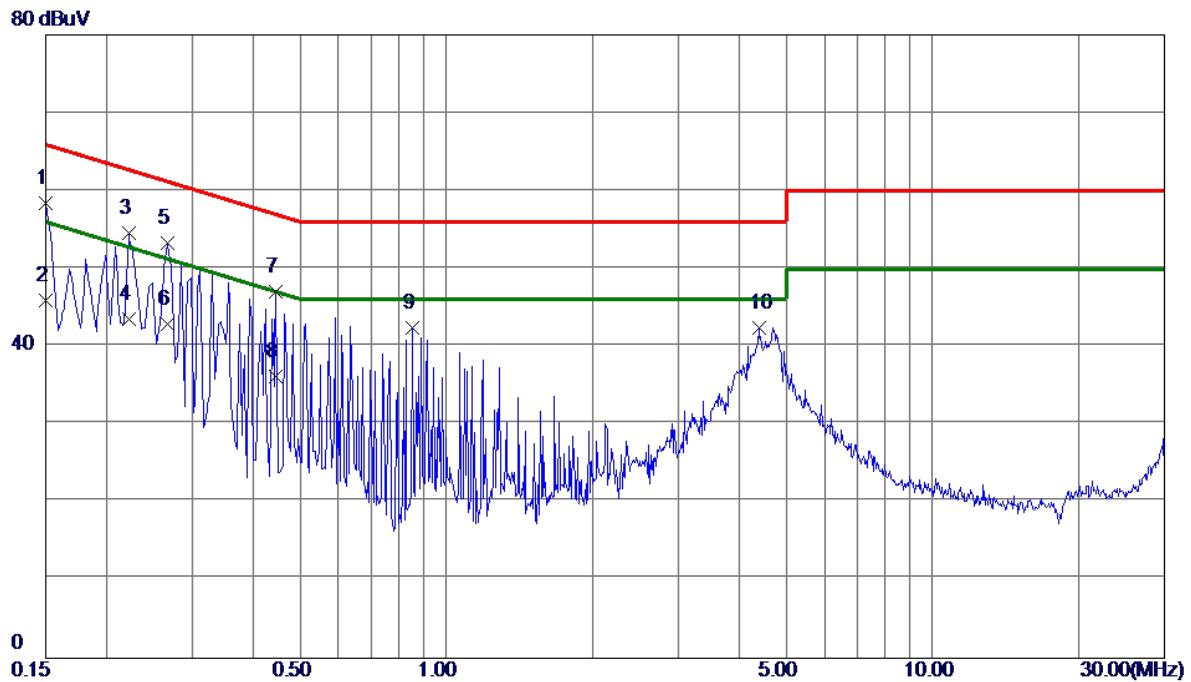


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1770	48.41	9.84	58.25	64.63	-6.38	Peak	
2	0.1770	36.10	9.84	45.94	54.63	-8.69	AVG	
3	0.2355	44.63	9.88	54.51	62.25	-7.74	Peak	
4	0.2355	33.60	9.88	43.48	52.25	-8.77	AVG	
5 *	0.3435	43.23	9.89	53.12	59.12	-6.00	Peak	
6	0.3435	32.80	9.89	42.69	49.12	-6.43	AVG	
7	0.4515	37.66	9.92	47.58	56.85	-9.27	Peak	
8	0.4515	26.10	9.92	36.02	46.85	-10.83	AVG	
9	0.5235	36.63	9.93	46.56	56.00	-9.44	Peak	
10	0.5235	25.70	9.93	35.63	46.00	-10.37	AVG	
11	4.8075	28.46	10.26	38.72	56.00	-17.28	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode Channel 01	Phase	Neutral
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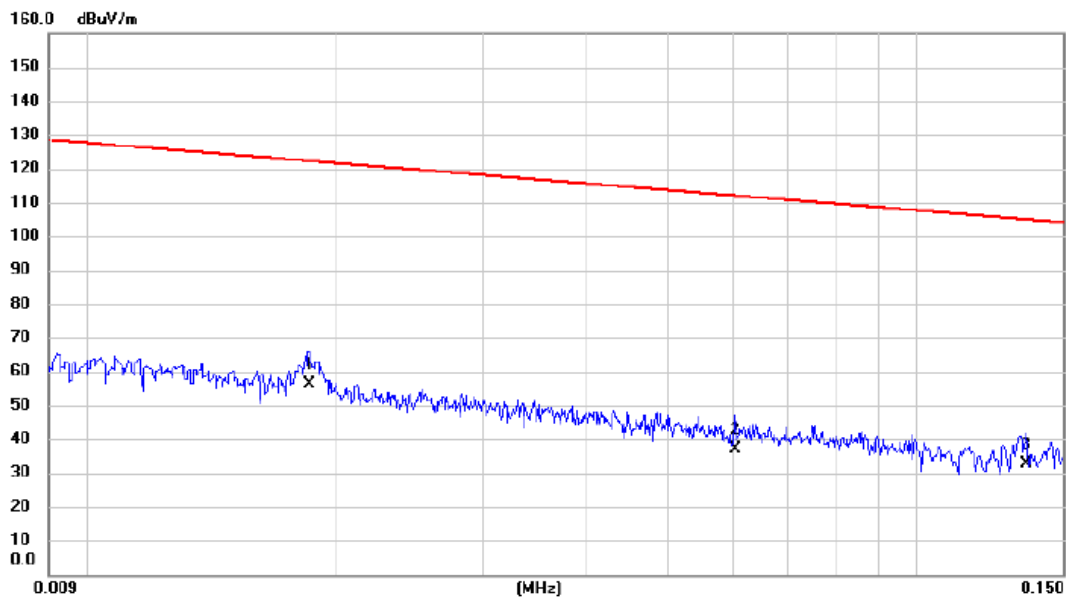
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1500	48.60	9.74	58.34	66.00	-7.66	Peak	
2	0.1500	36.20	9.74	45.94	56.00	-10.06	AVG	
3	0.2220	44.63	9.99	54.62	62.74	-8.12	Peak	
4	0.2220	33.60	9.99	43.59	52.74	-9.15	AVG	
5	0.2670	43.36	9.98	53.34	61.21	-7.87	Peak	
6	0.2670	32.90	9.98	42.88	51.21	-8.33	AVG	
7	0.4470	36.96	10.09	47.05	56.93	-9.88	Peak	
8	0.4470	26.10	10.09	36.19	46.93	-10.74	AVG	
9	0.8520	32.21	10.23	42.44	56.00	-13.56	Peak	
10	4.4069	31.76	10.57	42.33	56.00	-13.67	Peak	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 0°
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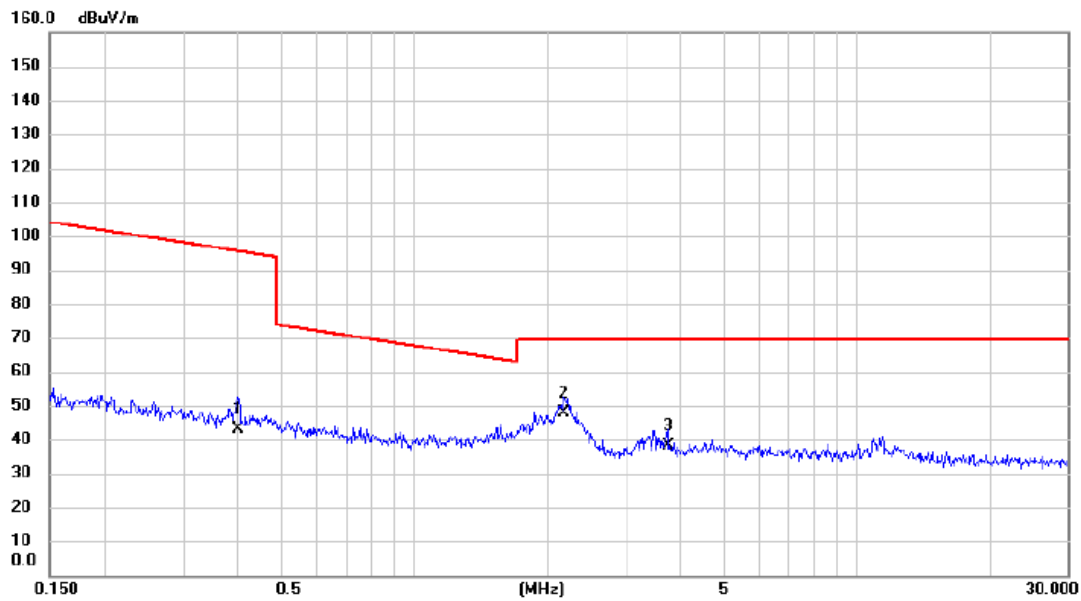


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1	*	0.0185	42.58	13.68	56.26	122.26	-66.00	AVG		
2		0.0603	24.67	12.48	37.15	112.00	-74.85	AVG		
3		0.1352	19.95	12.73	32.68	104.99	-72.31	AVG		

REMARKS:

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

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 0°
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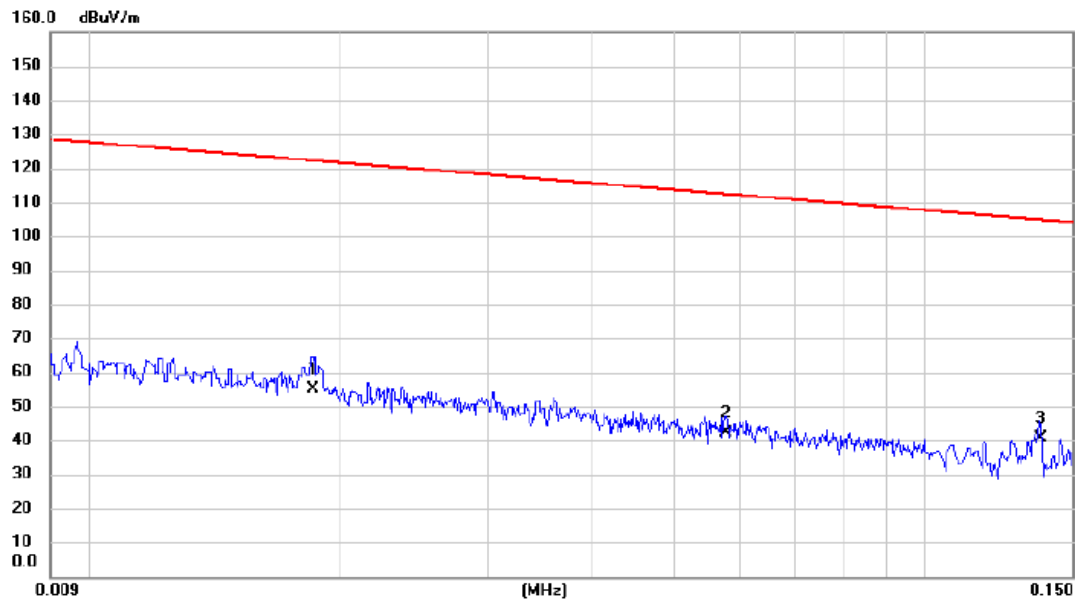


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	cm	degree	Comment
1		0.3997	30.75	12.26	43.01	95.57	-52.56	AVG		
2	*	2.1668	36.52	11.22	47.74	69.54	-21.80	QP		
3		3.7395	27.49	10.91	38.40	69.54	-31.14	QP		

REMARKS:

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

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 90°
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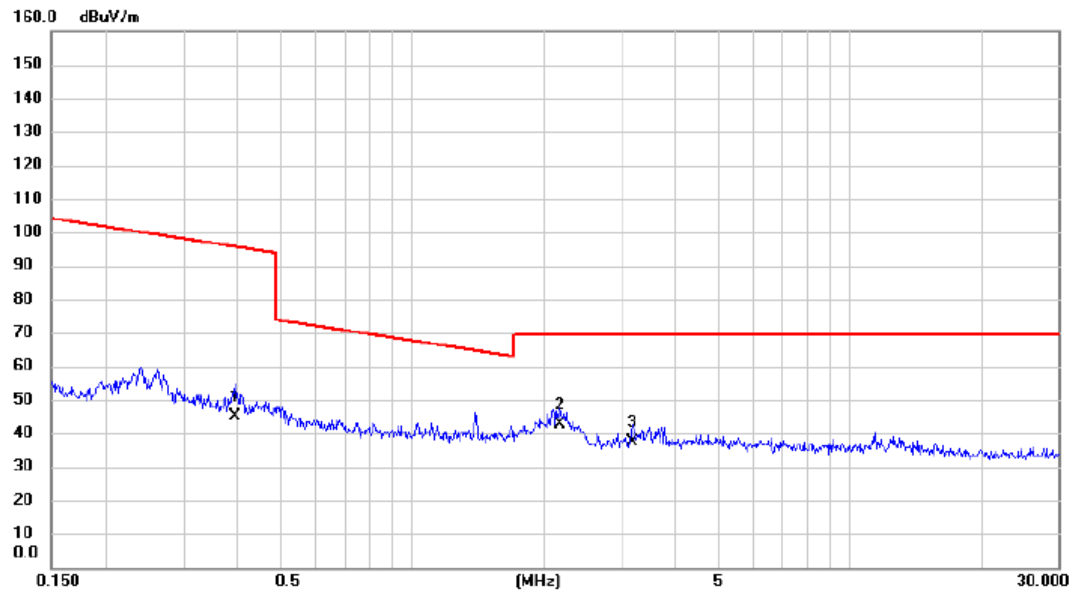


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree
1		0.0185	41.28	13.68	54.96	122.26	-67.30	AVG		
2		0.0578	29.56	12.47	42.03	112.37	-70.34	AVG		
3	*	0.1371	27.84	12.73	40.57	104.87	-64.30	AVG		

REMARKS:

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

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Ant 90°
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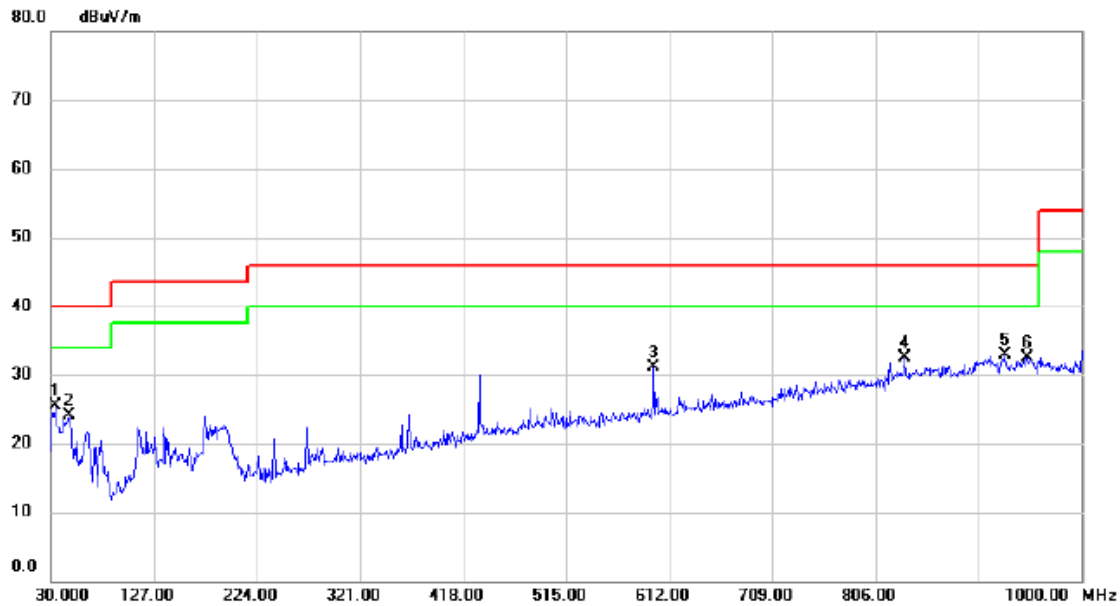
No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Antenna Height cm	Table Degree	Comment
1	0.3933	32.59	12.28	44.87	95.71	-50.84	AVG			
2 *	2.1783	31.48	11.21	42.69	69.54	-26.85	QP			
3	3.1900	26.54	10.83	37.37	69.54	-32.17	QP			

REMARKS:

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

APPENDIX C - RADIATED EMISSION - 30 MHZ TO 1000 MHZ

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Vertical
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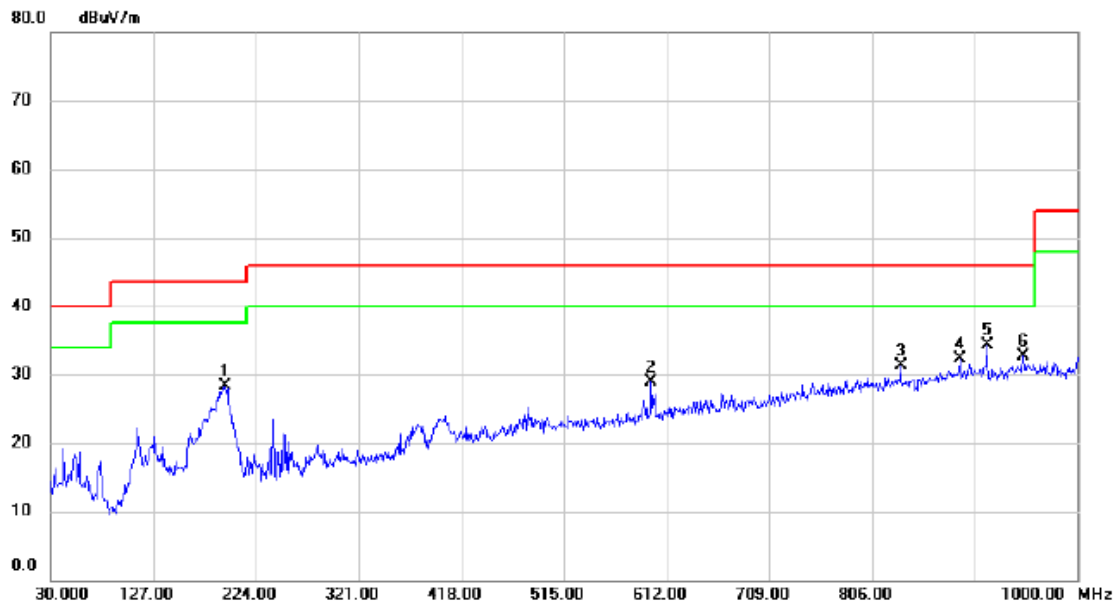


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		34.8500	40.41	-14.99	25.42	40.00	-14.58	peak	
2		47.4600	37.97	-13.86	24.11	40.00	-15.89	peak	
3		597.4500	35.68	-4.62	31.06	46.00	-14.94	peak	
4		833.1600	33.09	-0.66	32.43	46.00	-13.57	peak	
5	*	928.2200	31.83	1.14	32.97	46.00	-13.03	peak	
6		948.5900	30.69	1.76	32.45	46.00	-13.55	peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode Channel 01	Polarization	Horizontal
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No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		194.9000	43.55	-15.17	28.38	43.50	-15.12	peak	
2		597.4500	33.48	-4.62	28.86	46.00	-17.14	peak	
3		833.1600	32.02	-0.66	31.36	46.00	-14.64	peak	
4		889.4200	32.21	0.09	32.30	46.00	-13.70	peak	
5	*	914.6400	33.58	0.72	34.30	46.00	-11.70	peak	
6		948.5900	30.95	1.76	32.71	46.00	-13.29	peak	

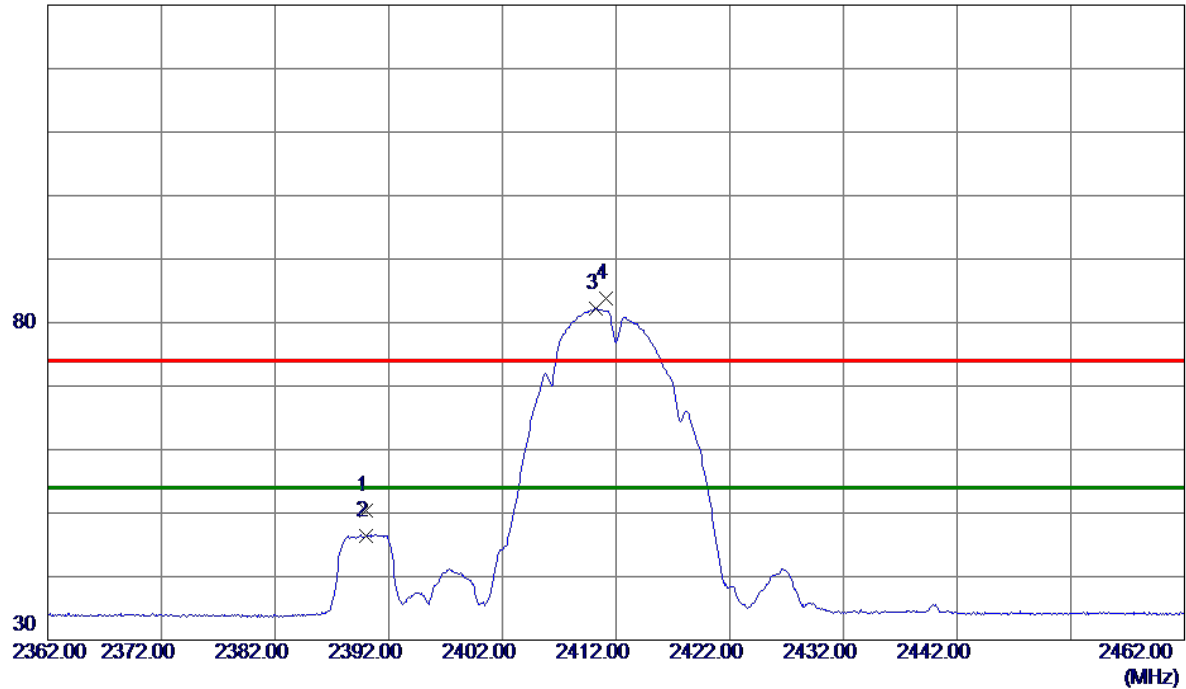
REMARKS:

- (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
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130 dBuV/m



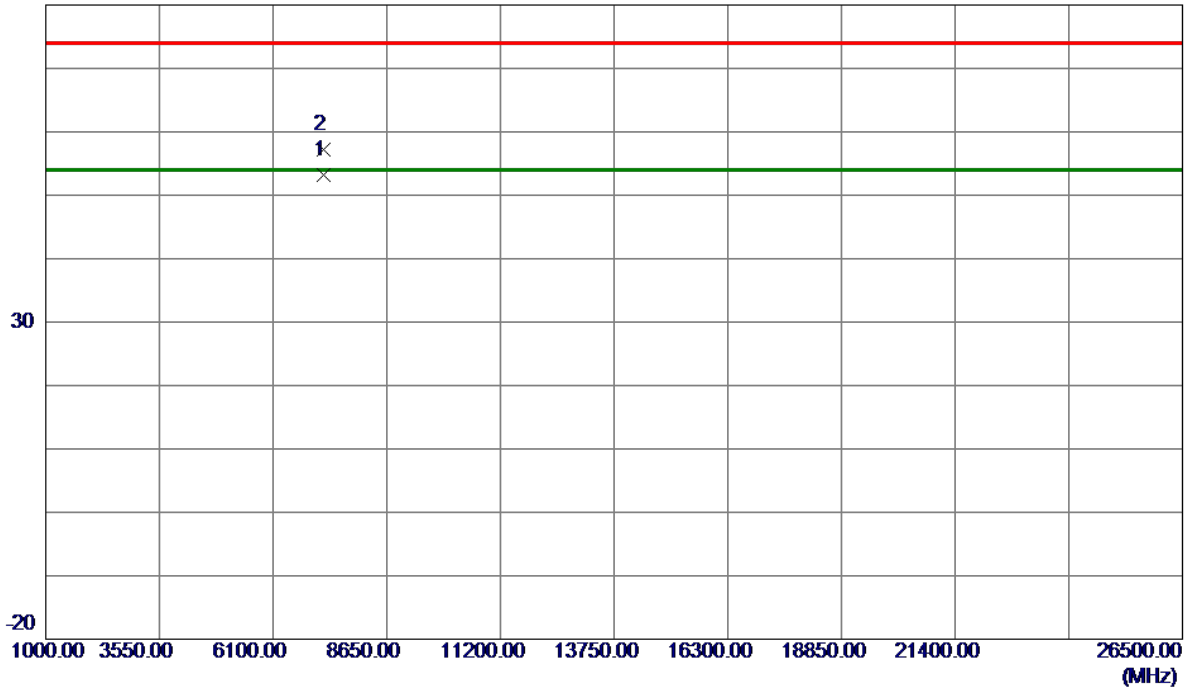
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	42.02	8.31	50.33	74.00	-23.67	Peak	
2	2390.0000	38.05	8.31	46.36	54.00	-7.64	AVG	
3 *	2410.2500	73.88	8.33	82.21	54.00	28.21	AVG	No Limit
4	2411.1000	75.51	8.33	83.84	74.00	9.84	Peak	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
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80 dBuV/m



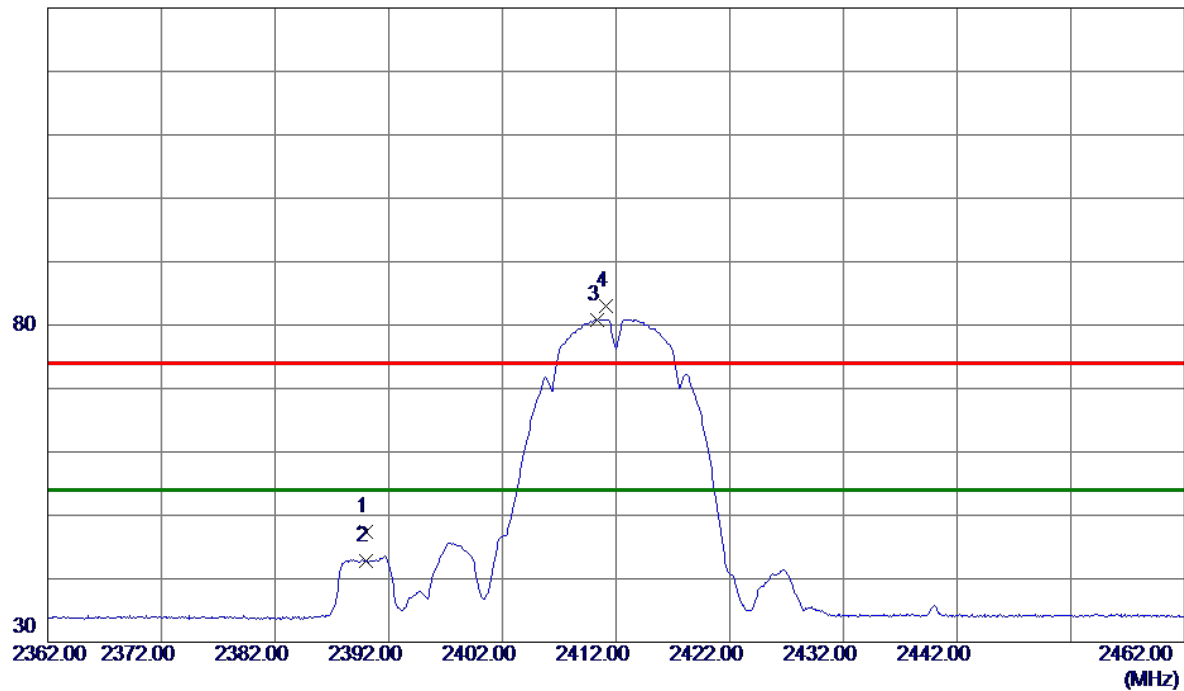
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7233.2750	42.54	10.59	53.13	54.00	-0.87	AVG	
2	7240.3500	46.63	10.60	57.23	74.00	-16.77	Peak	

REMARKS:

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

Test Mode	TX B Mode 2412 MHz	Polarization	Horizontal
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130 dBuV/m



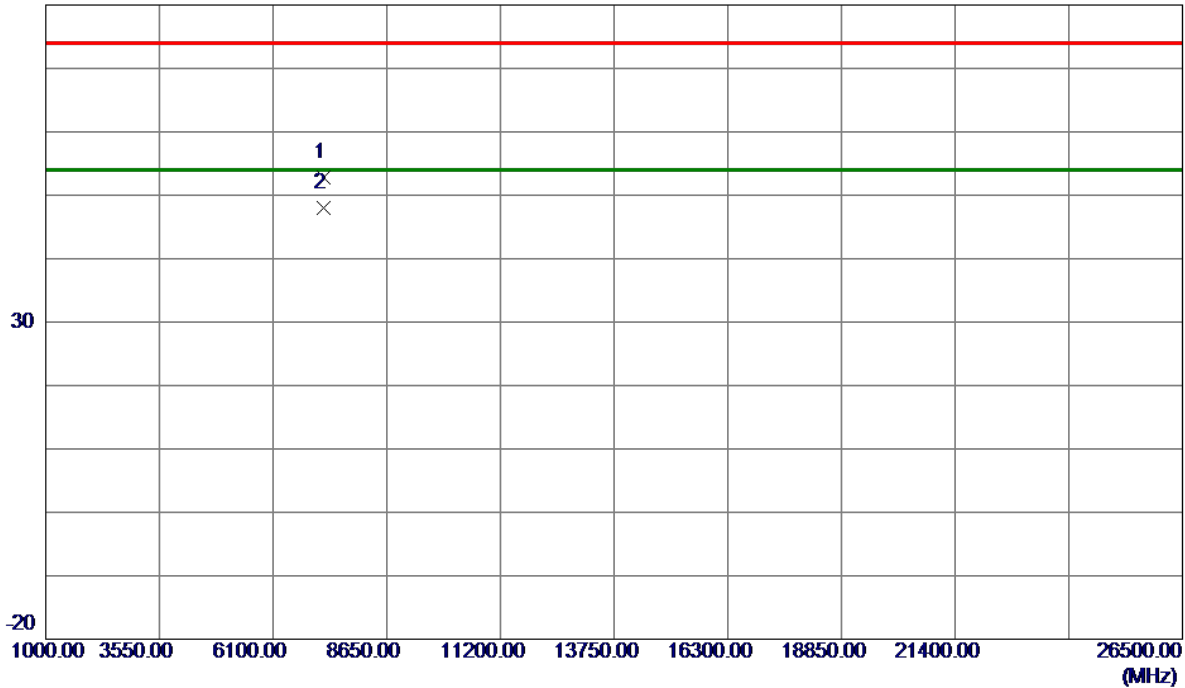
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	39.02	8.31	47.33	74.00	-26.67	Peak	
2	2390.0000	34.48	8.31	42.79	54.00	-11.21	AVG	
3 *	2410.3000	72.56	8.33	80.89	54.00	26.89	AVG	No Limit
4	2411.1000	74.70	8.33	83.03	74.00	9.03	Peak	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
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80 dBuV/m



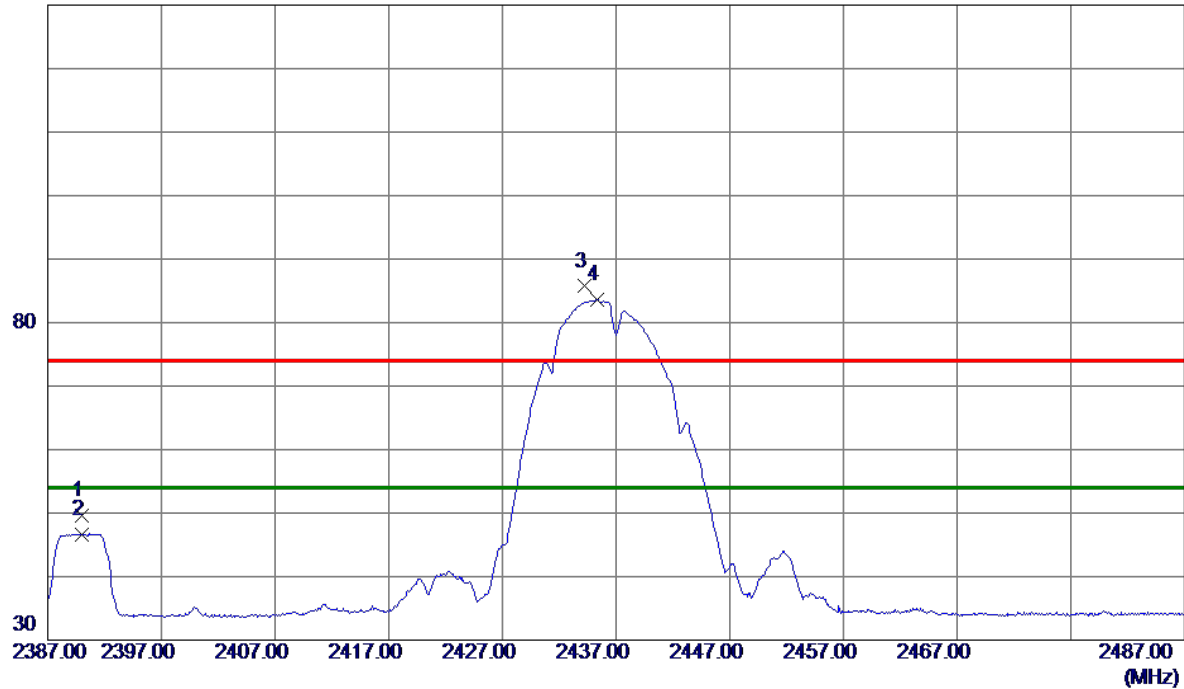
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7232.9000	42.19	10.59	52.78	74.00	-21.22	Peak	
2 *	7233.2250	37.47	10.59	48.06	54.00	-5.94	AVG	

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Vertical
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130 dBuV/m



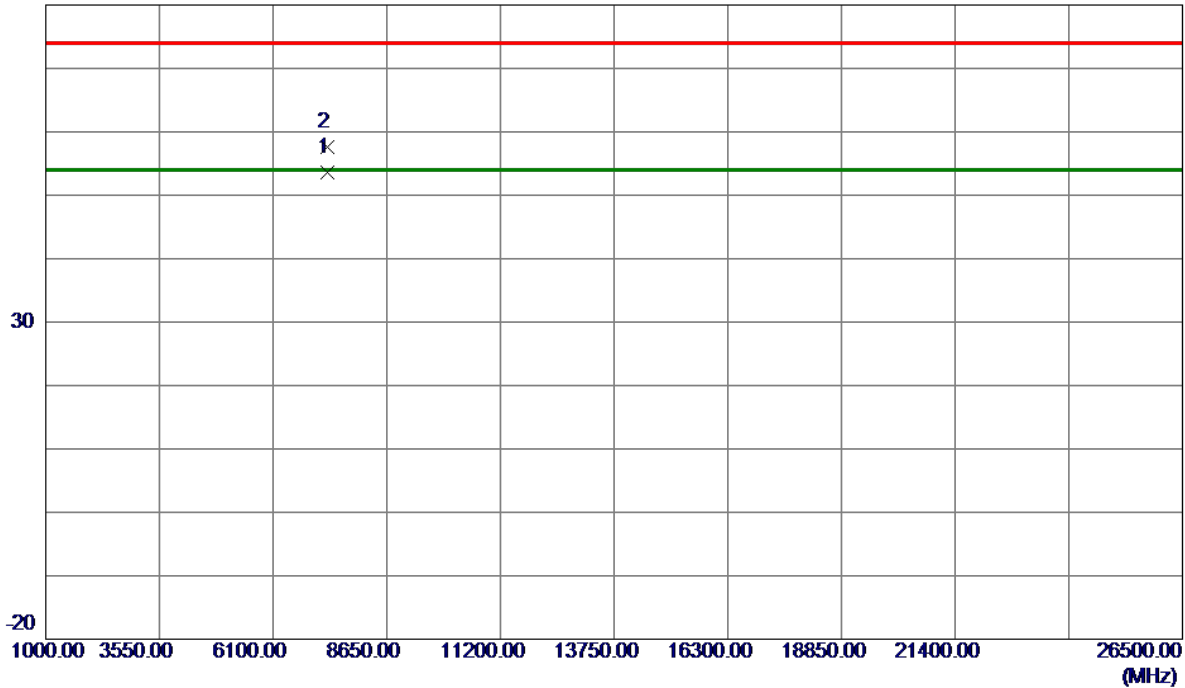
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	41.31	8.31	49.62	74.00	-24.38	Peak	
2	2390.0000	38.28	8.31	46.59	54.00	-7.41	AVG	
3	2434.2500	77.34	8.36	85.70	74.00	11.70	Peak	No Limit
4 *	2435.3000	75.26	8.36	83.62	54.00	29.62	AVG	No Limit

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Vertical
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80 dBuV/m



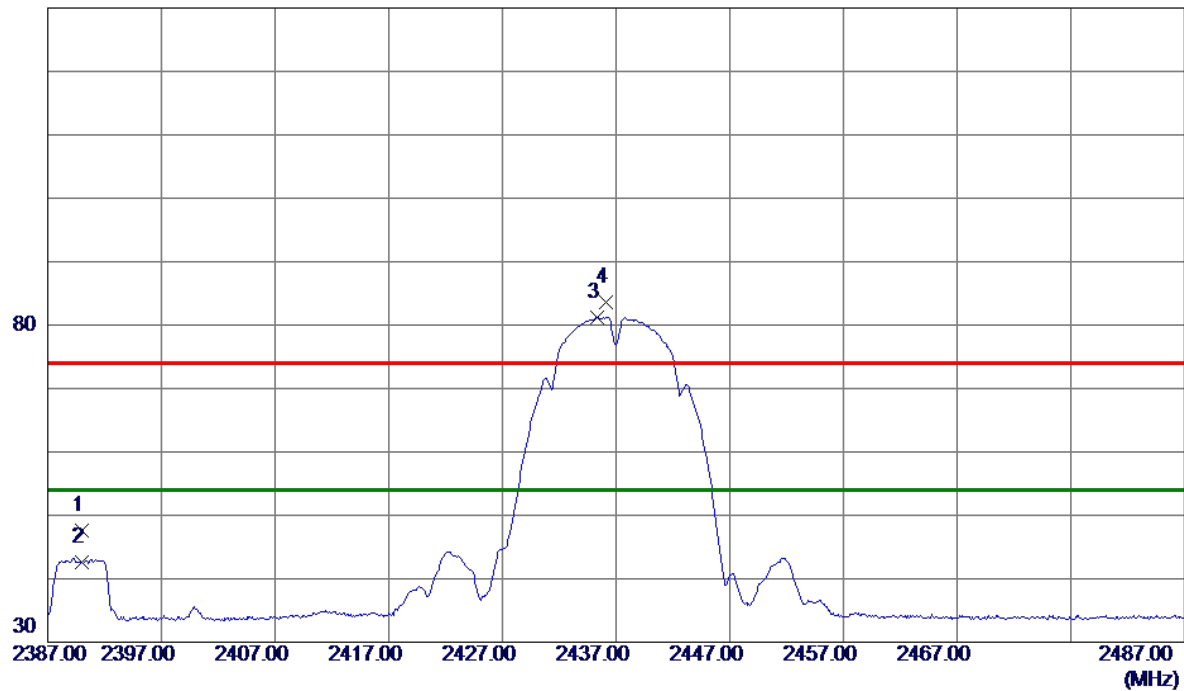
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7308.3250	42.91	10.69	53.60	54.00	-0.40	AVG	
2	7315.6250	46.99	10.70	57.69	74.00	-16.31	Peak	

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal
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130 dBuV/m



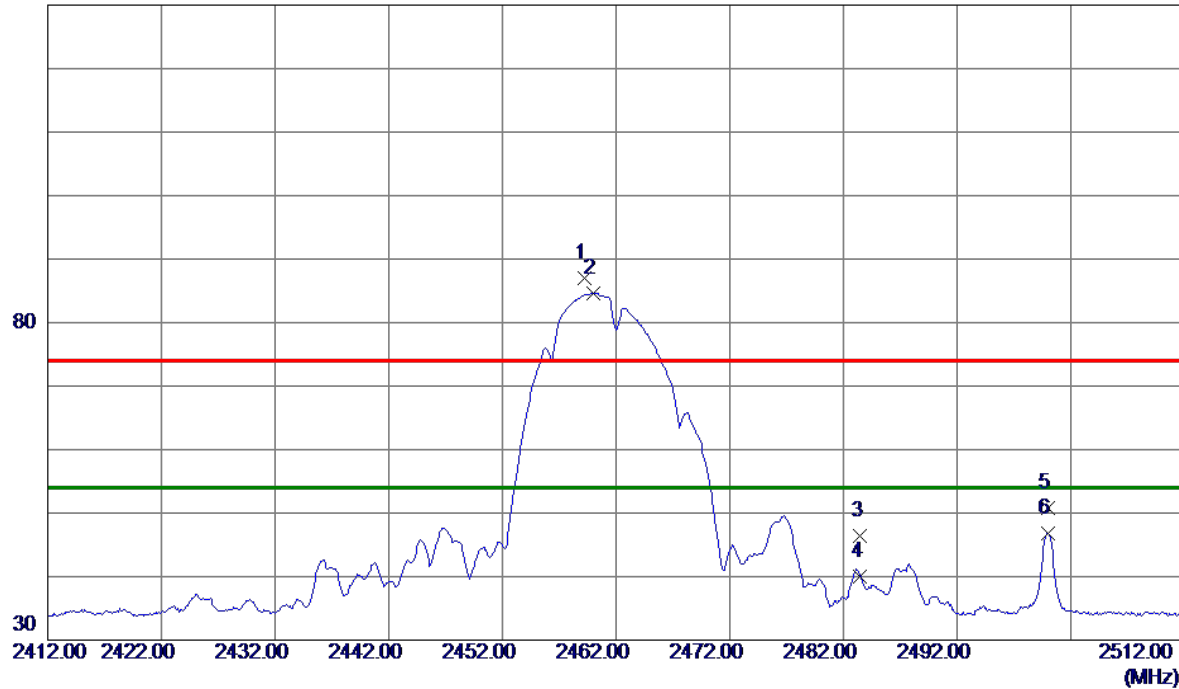
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	39.29	8.31	47.60	74.00	-26.40	Peak	
2	2390.0000	34.28	8.31	42.59	54.00	-11.41	AVG	
3 *	2435.3000	72.82	8.36	81.18	54.00	27.18	AVG	No Limit
4	2436.1500	75.25	8.36	83.61	74.00	9.61	Peak	No Limit

REMARKS:

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

Test Mode	TX B Mode 2462 MHz	Polarization	Vertical
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130 dBuV/m



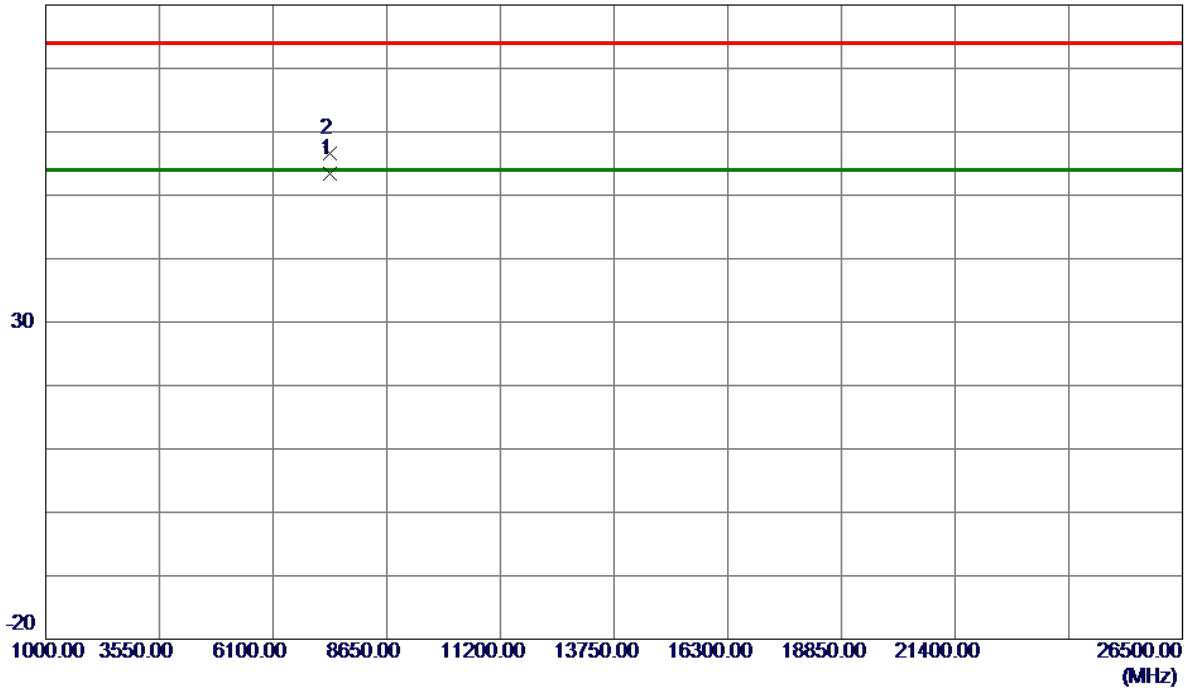
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.2500	78.62	8.39	87.01	74.00	13.01	Peak	No Limit
2 *	2460.0500	76.23	8.39	84.62	54.00	30.62	AVG	No Limit
3	2483.5000	37.92	8.42	46.34	74.00	-27.66	Peak	
4	2483.5000	31.65	8.42	40.07	54.00	-13.93	AVG	
5	2500.0000	42.26	8.45	50.71	74.00	-23.29	Peak	
6	2500.0000	38.39	8.45	46.84	54.00	-7.16	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
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80 dBuV/m



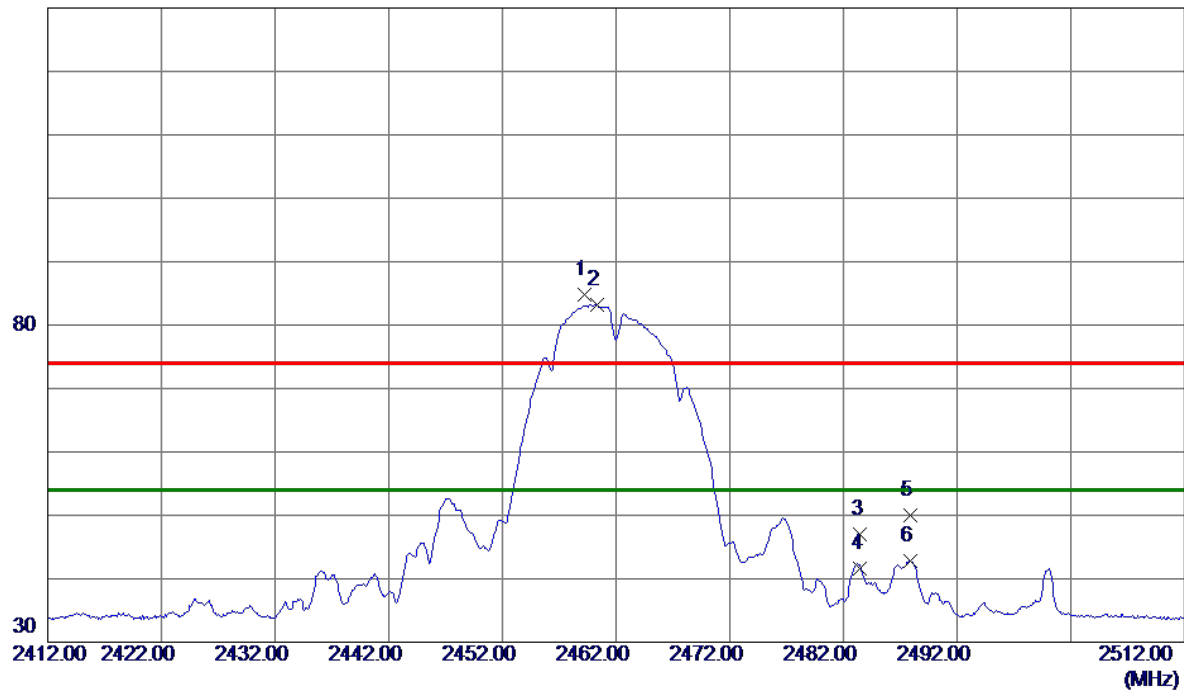
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7388.8250	42.61	10.80	53.41	54.00	-0.59	AVG	
2	7388.9000	45.89	10.80	56.69	74.00	-17.31	Peak	

REMARKS:

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
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130 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2459.2000	76.42	8.39	84.81	74.00	10.81	Peak	No Limit
2 *	2460.3000	74.84	8.39	83.23	54.00	29.23	AVG	No Limit
3	2483.5000	38.58	8.42	47.00	74.00	-27.00	Peak	
4	2483.5000	33.22	8.42	41.64	54.00	-12.36	AVG	
5	2487.8500	41.56	8.43	49.99	74.00	-24.01	Peak	
6	2487.8500	34.38	8.43	42.81	54.00	-11.19	AVG	

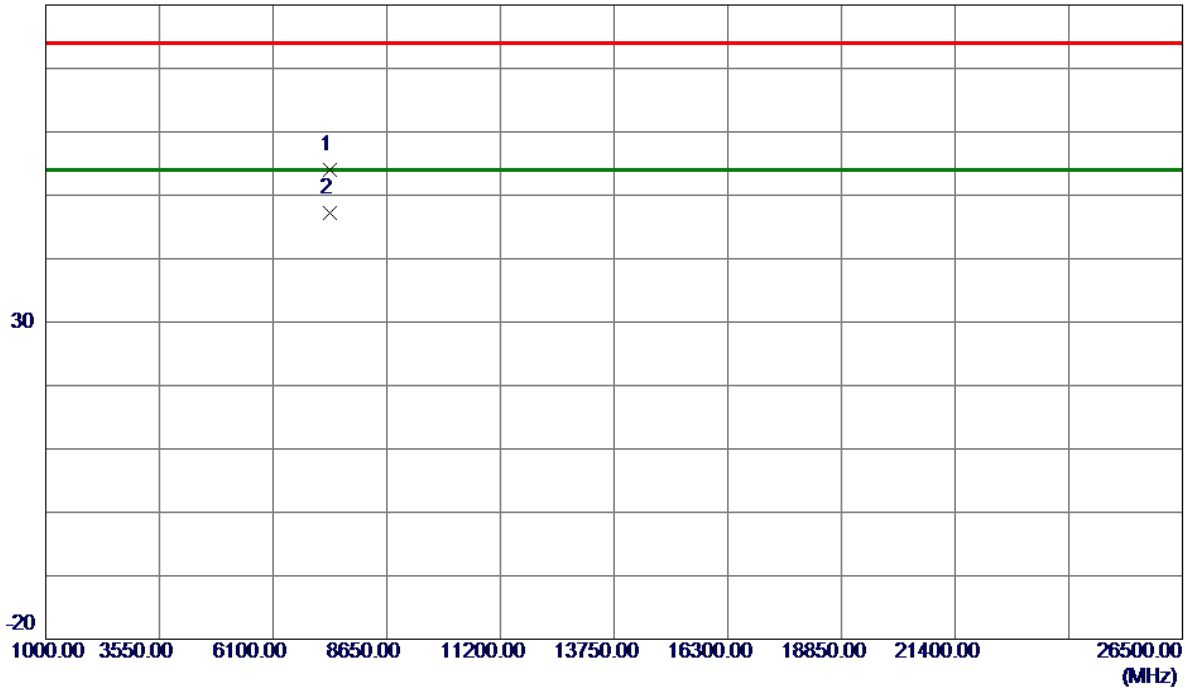
REMARKS:

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

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

Test Mode	TX B Mode 2462 MHz	Polarization	Horizontal
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80 dBuV/m



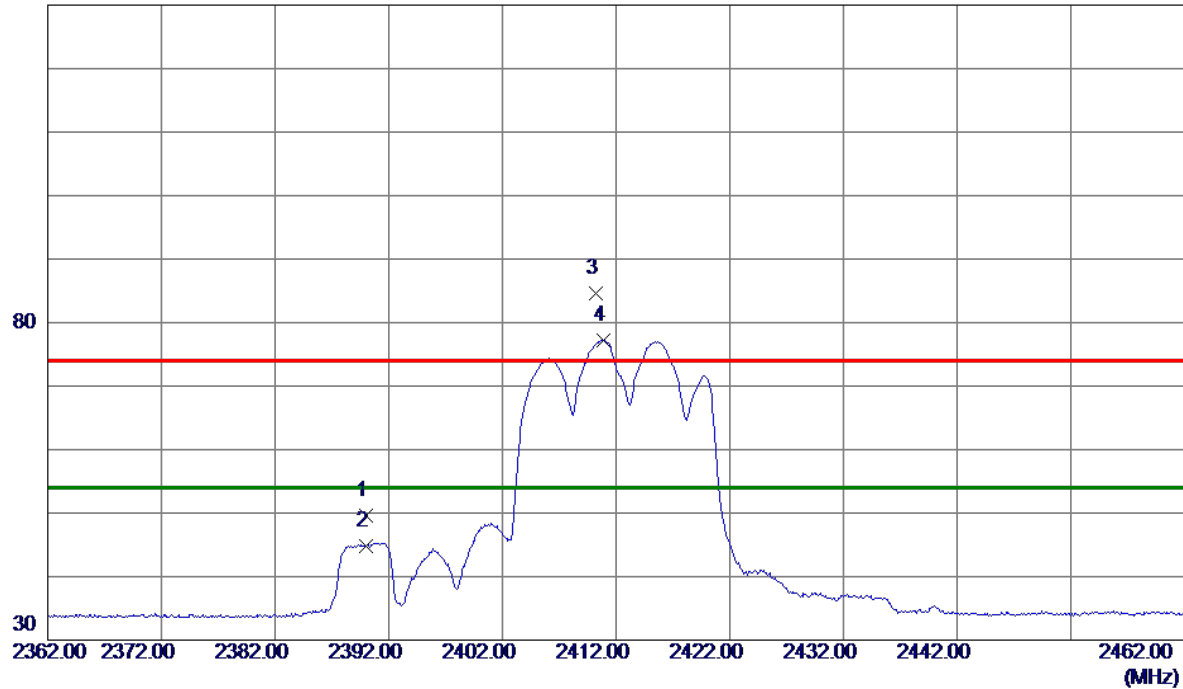
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7388.7000	43.22	10.80	54.02	74.00	-19.98	Peak	
2 *	7388.7500	36.32	10.80	47.12	54.00	-6.88	AVG	

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical
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130 dBuV/m



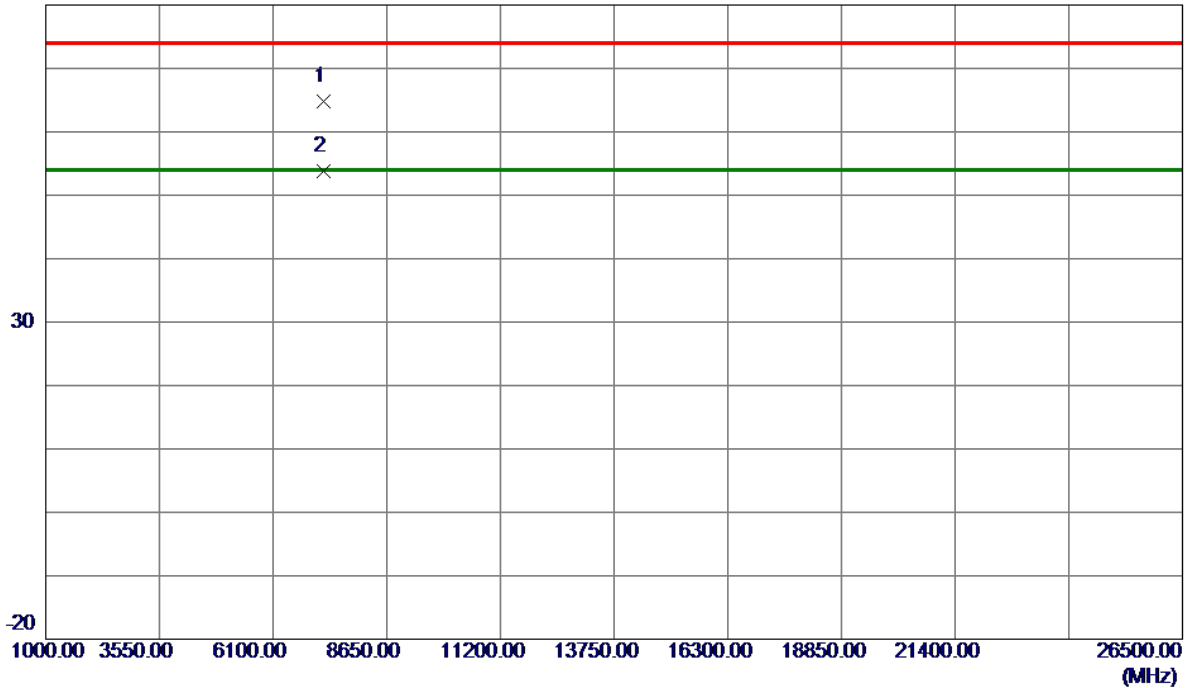
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	41.36	8.31	49.67	74.00	-24.33	Peak	
2	2390.0000	36.46	8.31	44.77	54.00	-9.23	AVG	
3	2410.2000	76.35	8.33	84.68	74.00	10.68	Peak	No Limit
4 *	2410.8500	68.90	8.33	77.23	54.00	23.23	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
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80 dBuV/m



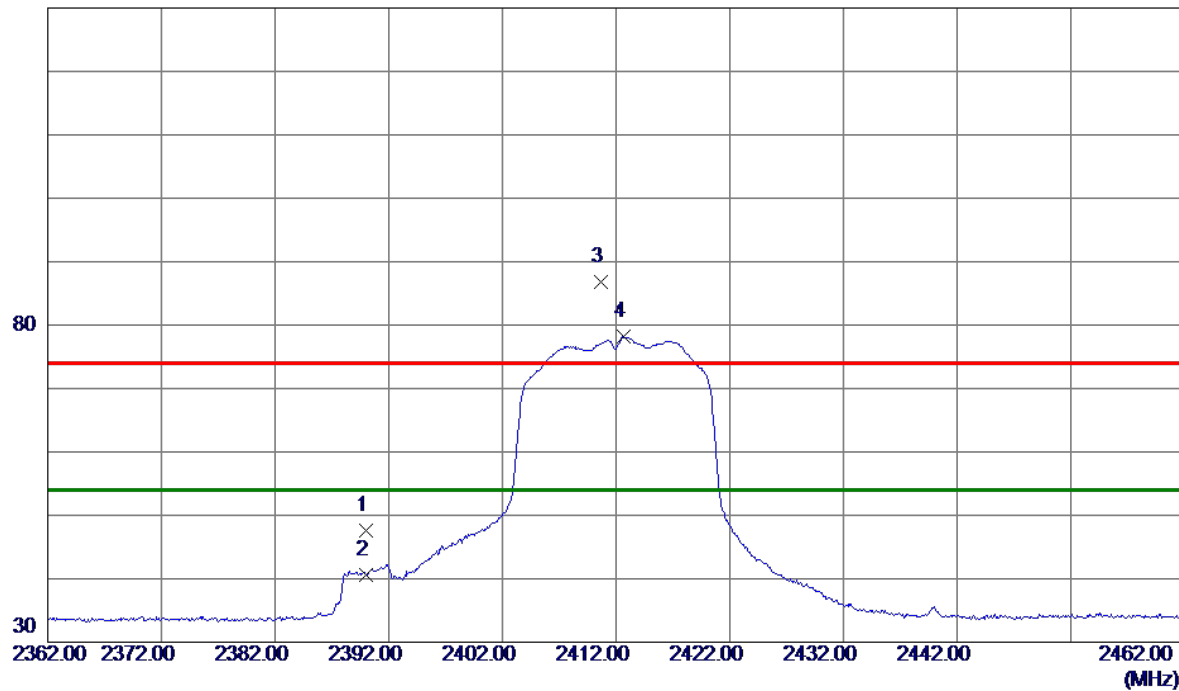
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7239.6250	54.21	10.60	64.81	74.00	-9.19	Peak	
2 *	7240.2250	43.22	10.60	53.82	54.00	-0.18	AVG	

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
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130 dBuV/m



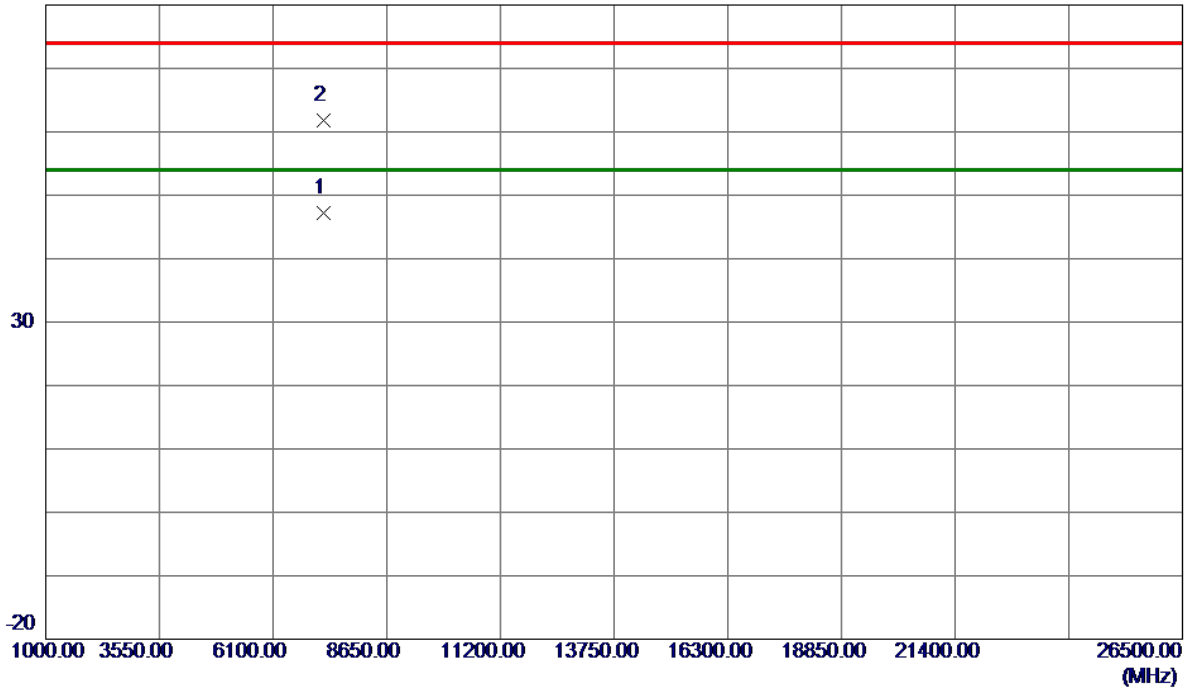
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	39.26	8.31	47.57	74.00	-26.43	Peak	
2	2390.0000	32.35	8.31	40.66	54.00	-13.34	AVG	
3	2410.7000	78.41	8.33	86.74	74.00	12.74	Peak	No Limit
4 *	2412.6500	69.78	8.33	78.11	54.00	24.11	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
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80 dBuV/m



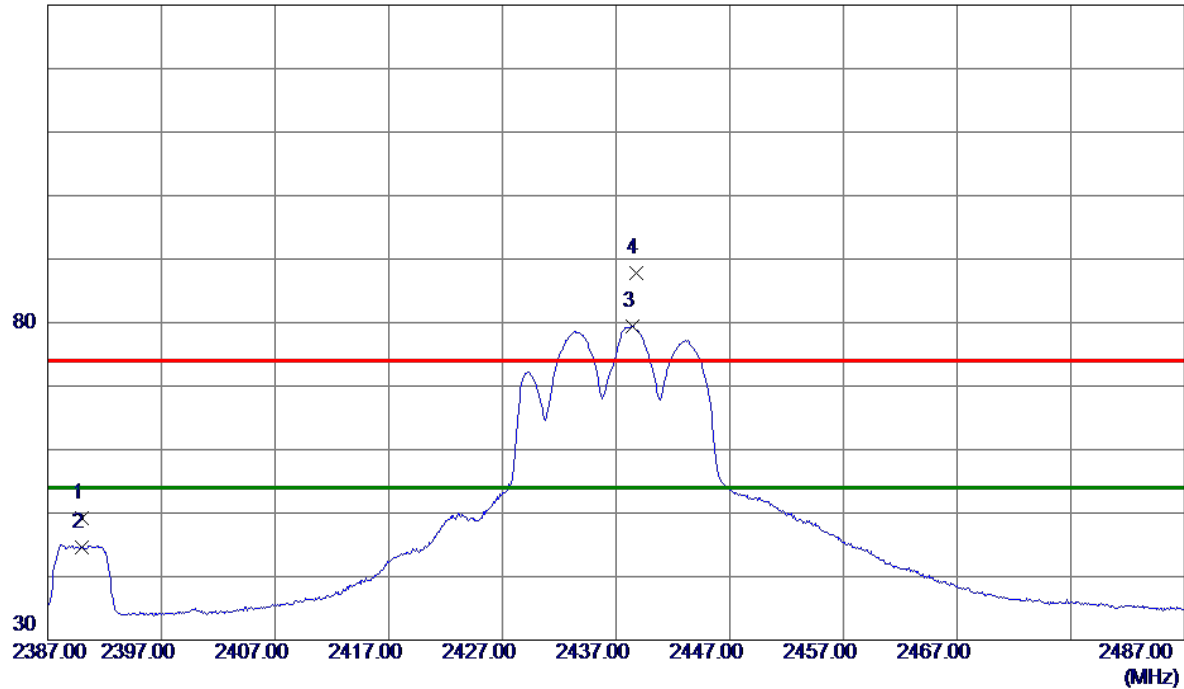
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7236.1500	36.60	10.60	47.20	54.00	-6.80	AVG	
2	7238.2500	51.25	10.60	61.85	74.00	-12.15	Peak	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical
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130 dBuV/m



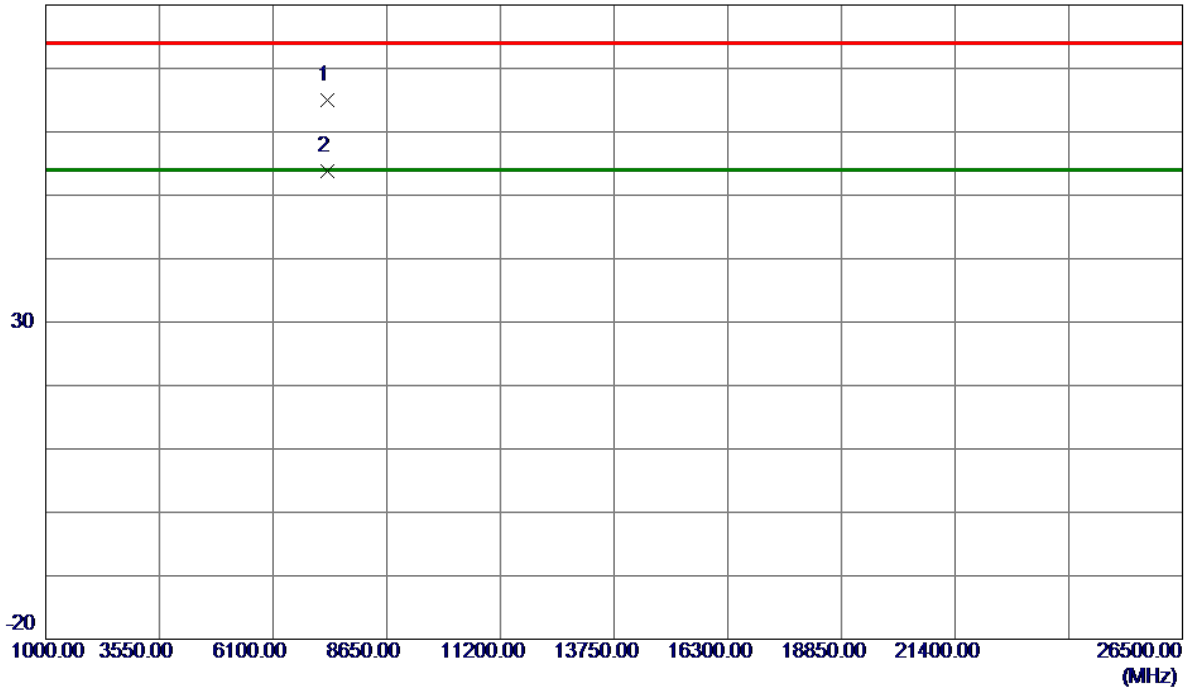
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	40.86	8.31	49.17	74.00	-24.83	Peak	
2	2390.0000	36.28	8.31	44.59	54.00	-9.41	AVG	
3 *	2438.4000	71.04	8.37	79.41	54.00	25.41	AVG	No Limit
4	2438.8000	79.52	8.37	87.89	74.00	13.89	Peak	No Limit

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical
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80 dBuV/m



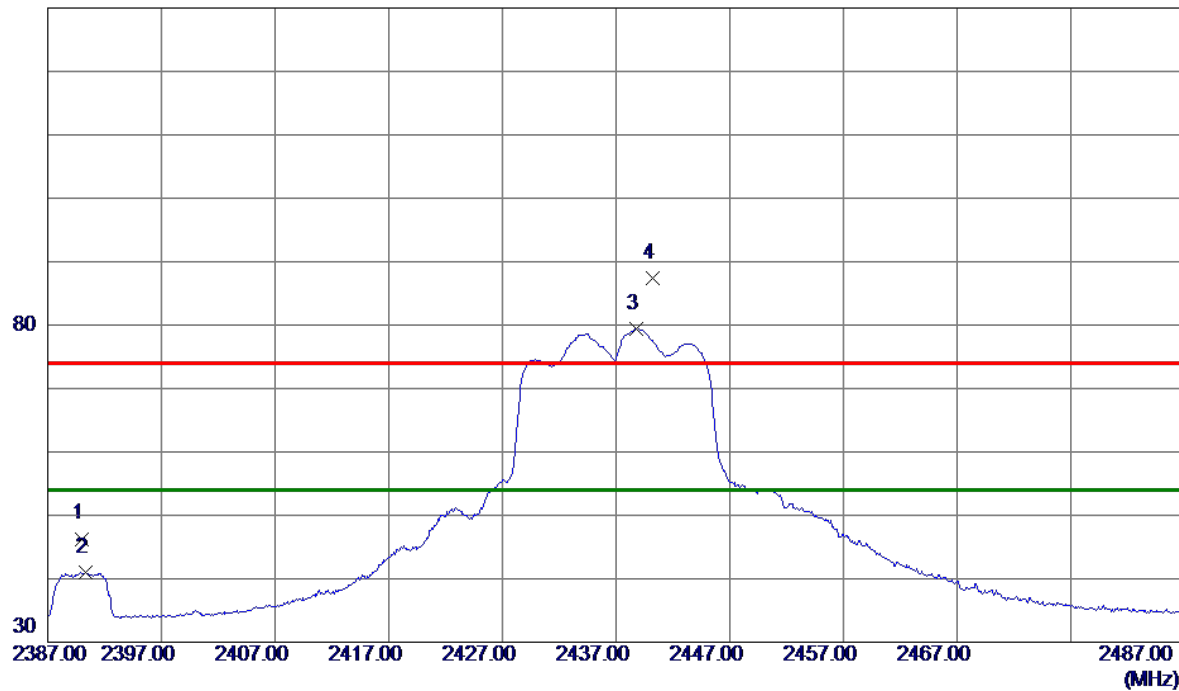
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7307.8500	54.30	10.69	64.99	74.00	-9.01	Peak	
2 *	7311.7000	43.02	10.70	53.72	54.00	-0.28	AVG	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal
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130 dBuV/m



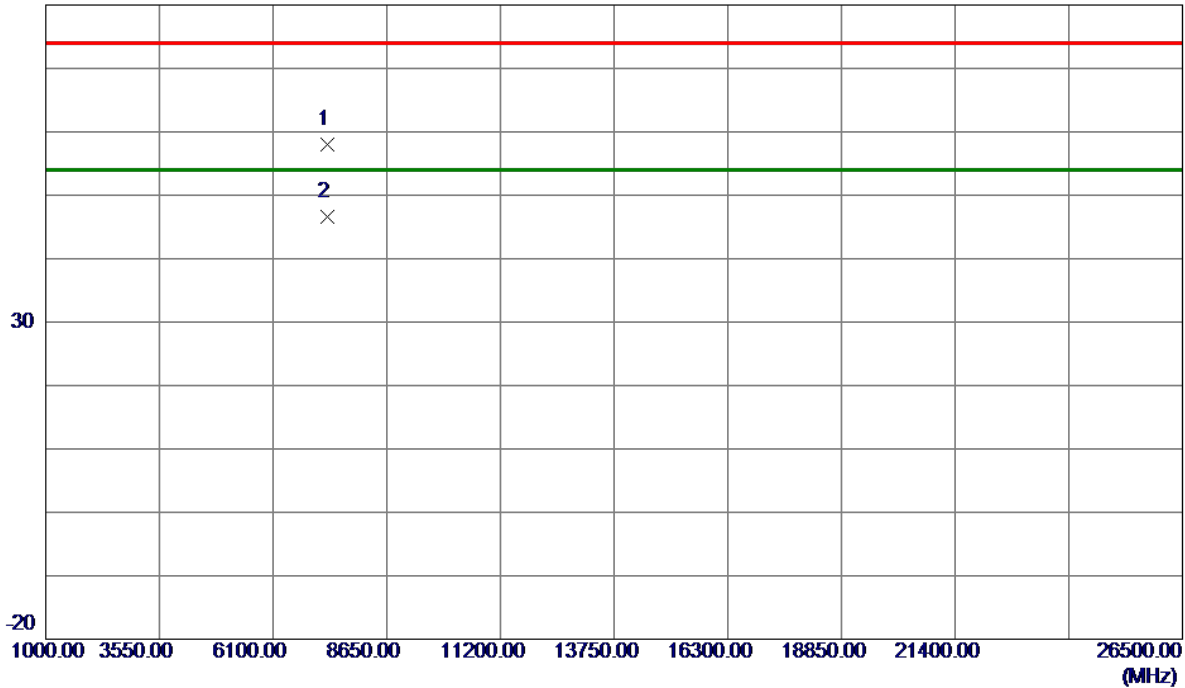
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	37.99	8.31	46.30	74.00	-27.70	Peak	
2	2390.3000	32.75	8.31	41.06	54.00	-12.94	AVG	
3 *	2438.8000	71.03	8.37	79.40	54.00	25.40	AVG	No Limit
4	2440.2500	79.00	8.37	87.37	74.00	13.37	Peak	No Limit

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal
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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	7309.7750	47.22	10.69	57.91	74.00	-16.09	Peak	
2 *	7311.1000	36.00	10.69	46.69	54.00	-7.31	AVG	

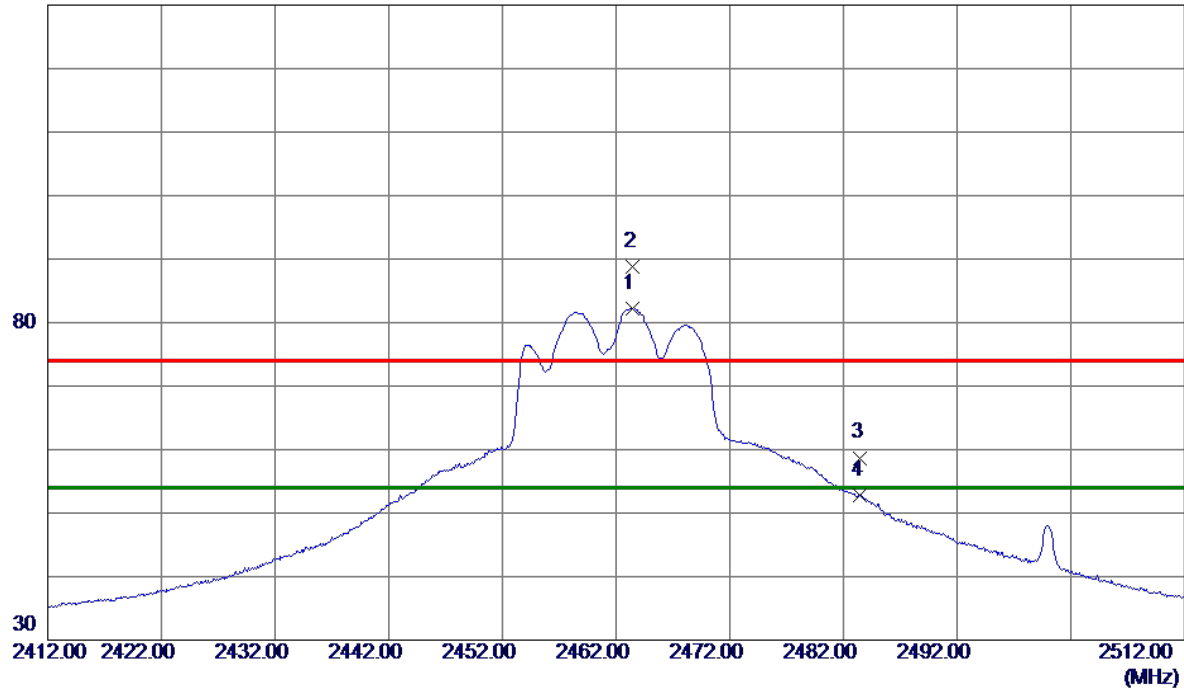
REMARKS:

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

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

Test Mode	TX G Mode 2462 MHz	Polarization	Vertical
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130 dBuV/m



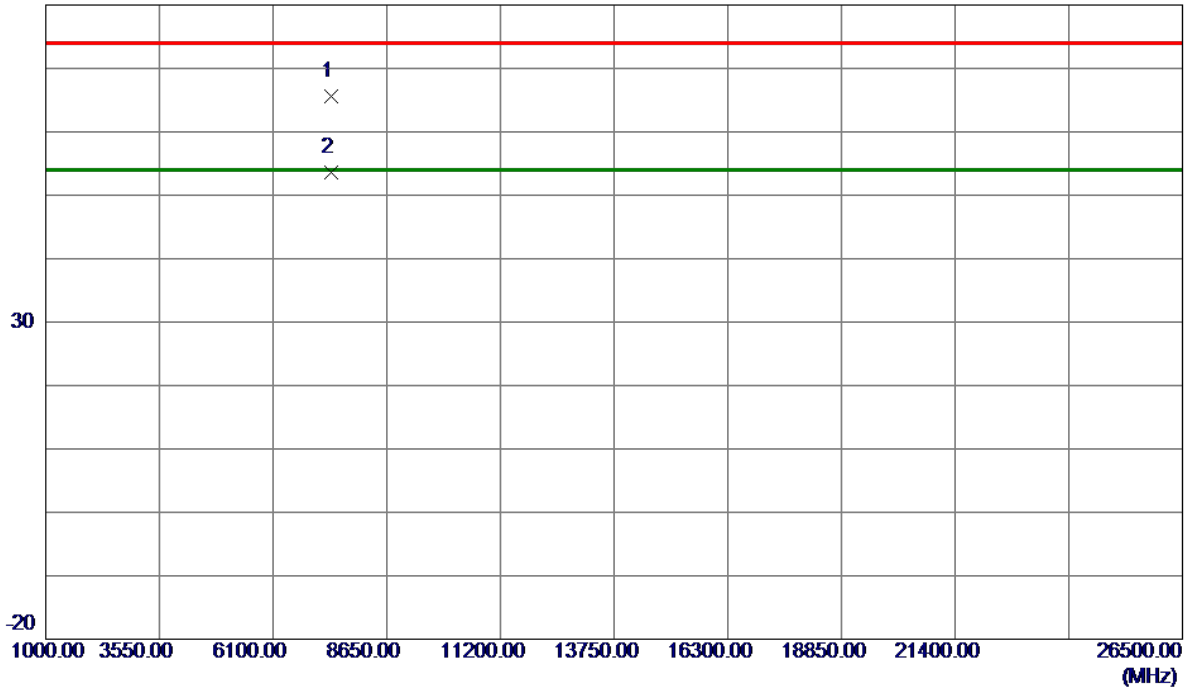
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2463.4000	73.86	8.40	82.26	54.00	28.26	AVG	No Limit
2	2463.5000	80.46	8.40	88.86	74.00	14.86	Peak	No Limit
3	2483.5000	50.28	8.42	58.70	74.00	-15.30	Peak	
4	2483.5000	44.38	8.42	52.80	54.00	-1.20	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
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80 dBuV/m



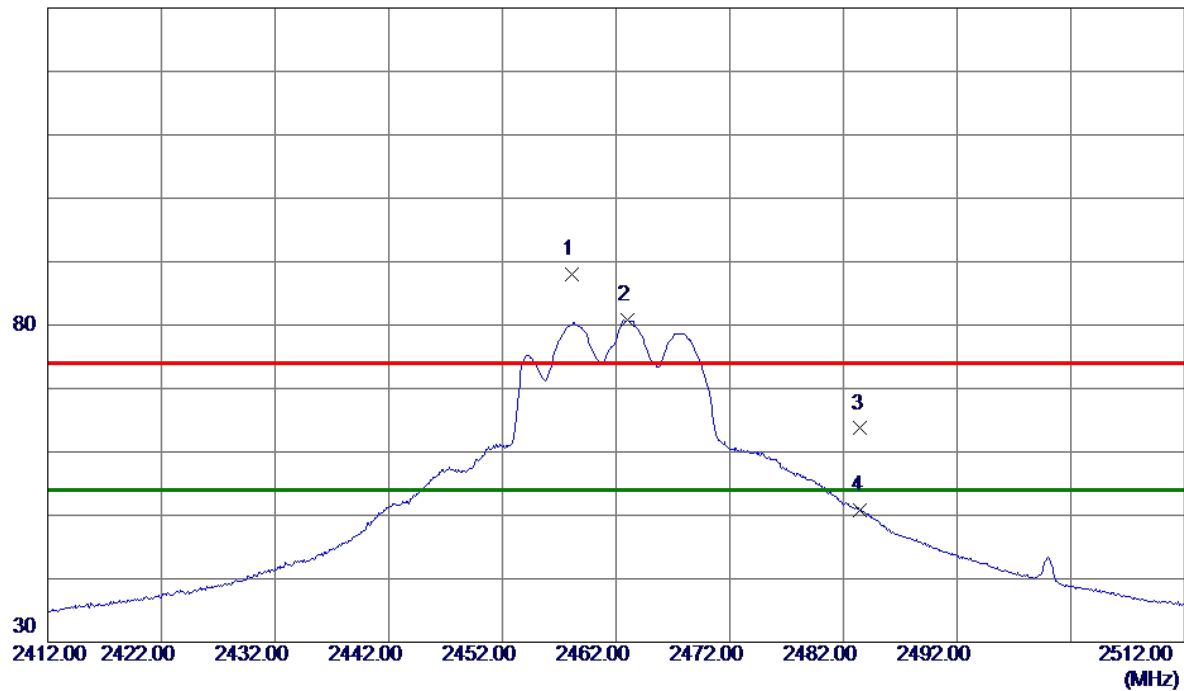
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7393.4000	54.71	10.80	65.51	74.00	-8.49	Peak	
2 *	7396.8000	42.83	10.81	53.64	54.00	-0.36	AVG	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
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130 dBuV/m



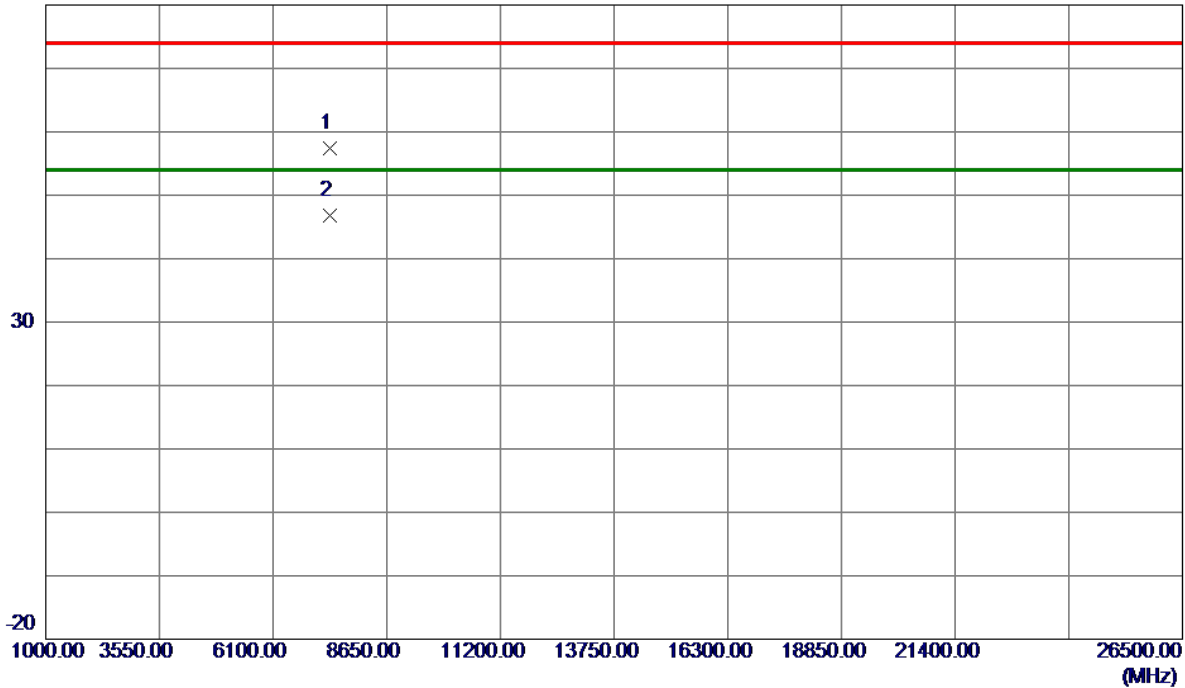
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2458.1500	79.70	8.39	88.09	74.00	14.09	Peak	No Limit
2 *	2463.0500	72.37	8.40	80.77	54.00	26.77	AVG	No Limit
3	2483.5000	55.28	8.42	63.70	74.00	-10.30	Peak	
4	2483.5000	42.45	8.42	50.87	54.00	-3.13	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
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80 dBuV/m



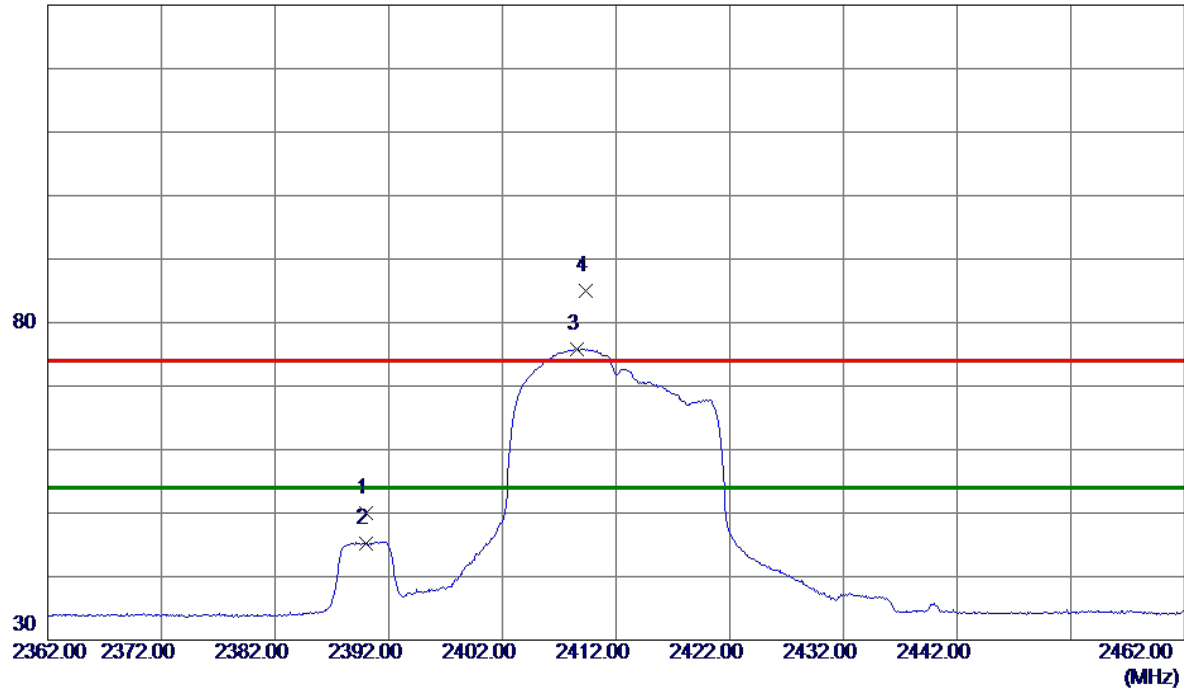
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7378.1750	46.63	10.78	57.41	74.00	-16.59	Peak	
2 *	7384.3250	36.08	10.79	46.87	54.00	-7.13	AVG	

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
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130 dBuV/m



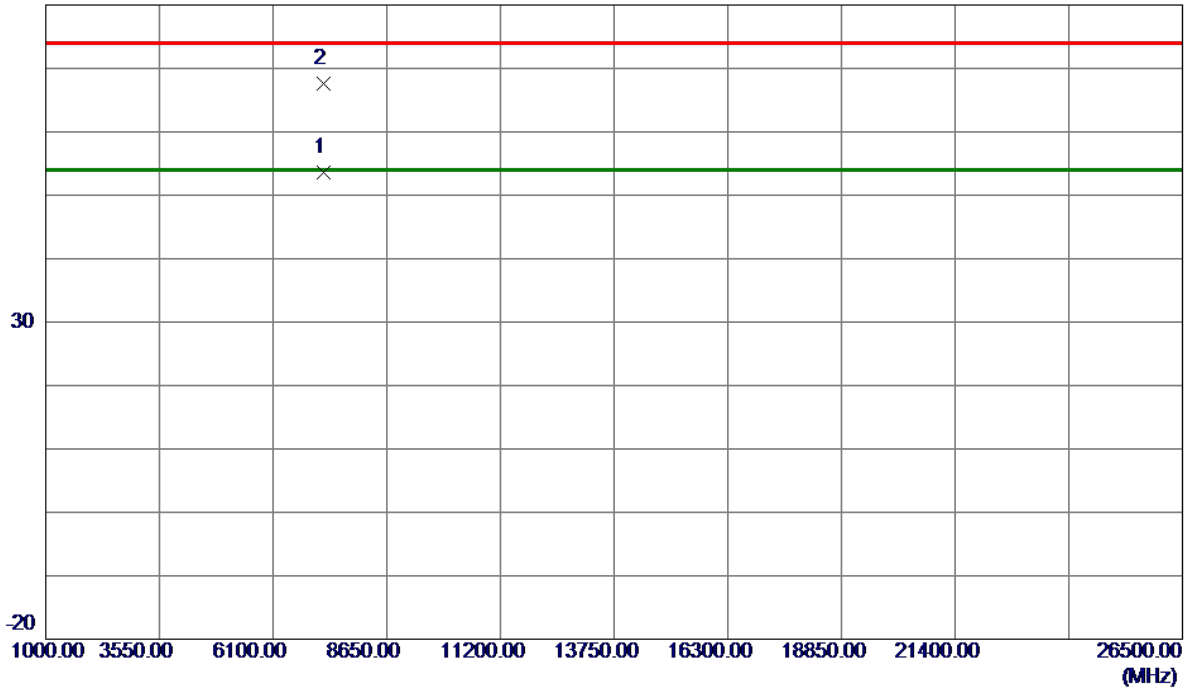
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	41.77	8.31	50.08	74.00	-23.92	Peak	
2	2390.0000	36.88	8.31	45.19	54.00	-8.81	AVG	
3 *	2408.6000	67.45	8.33	75.78	54.00	21.78	AVG	No Limit
4	2409.3000	76.73	8.33	85.06	74.00	11.06	Peak	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
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80 dBuV/m



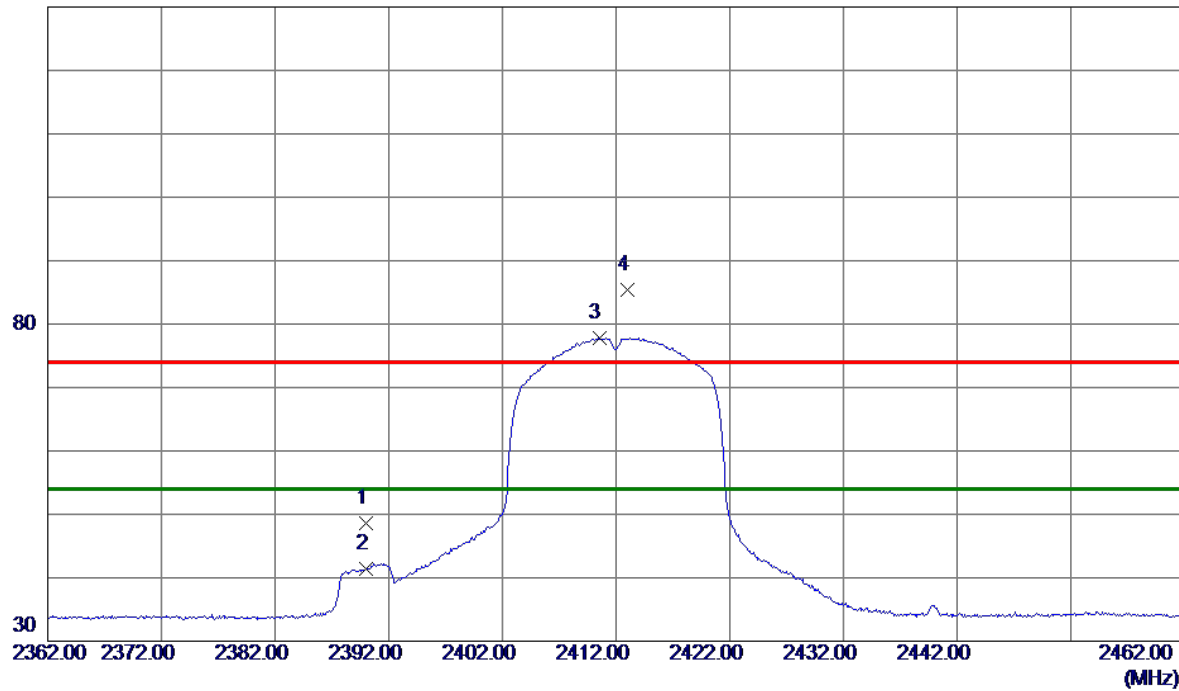
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7237.2250	43.04	10.60	53.64	54.00	-0.36	AVG	
2	7239.6250	57.03	10.60	67.63	74.00	-6.37	Peak	

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
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130 dBuV/m



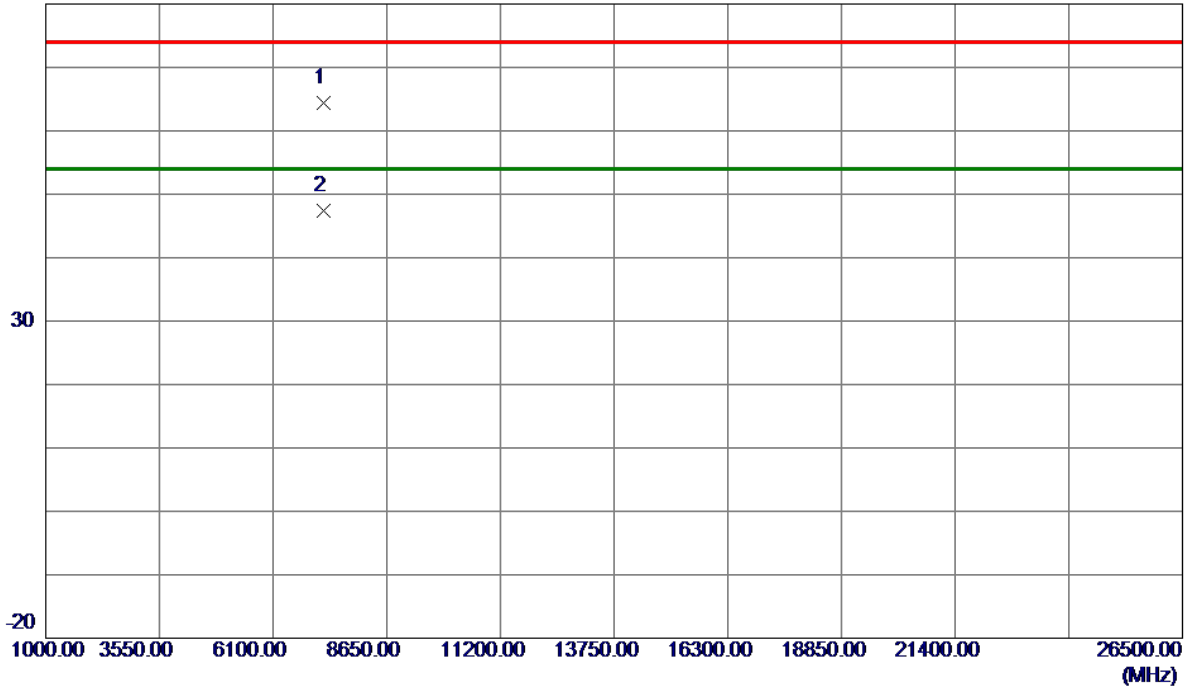
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	40.22	8.31	48.53	74.00	-25.47	Peak	
2	2390.0000	33.03	8.31	41.34	54.00	-12.66	AVG	
3 *	2410.5000	69.52	8.33	77.85	54.00	23.85	AVG	No Limit
4	2412.9500	77.13	8.33	85.46	74.00	11.46	Peak	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
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80 dBuV/m



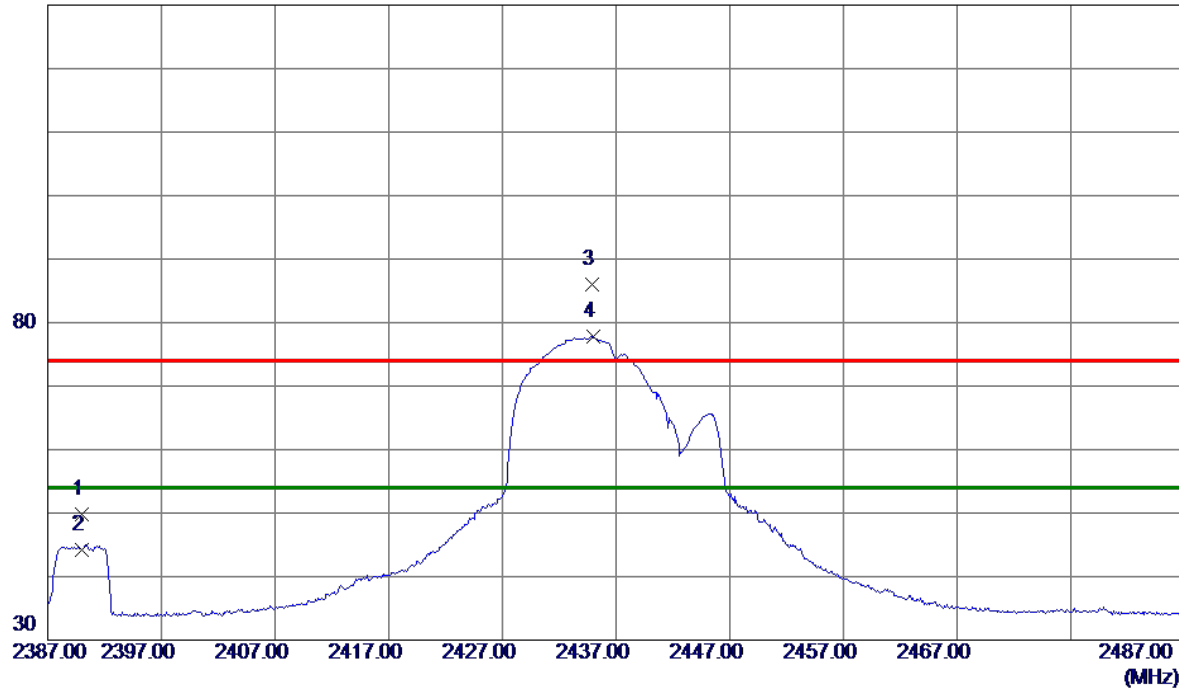
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7236.7500	53.71	10.60	64.31	74.00	-9.69	Peak	
2 *	7238.1500	36.88	10.60	47.48	54.00	-6.52	AVG	

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
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130 dBuV/m



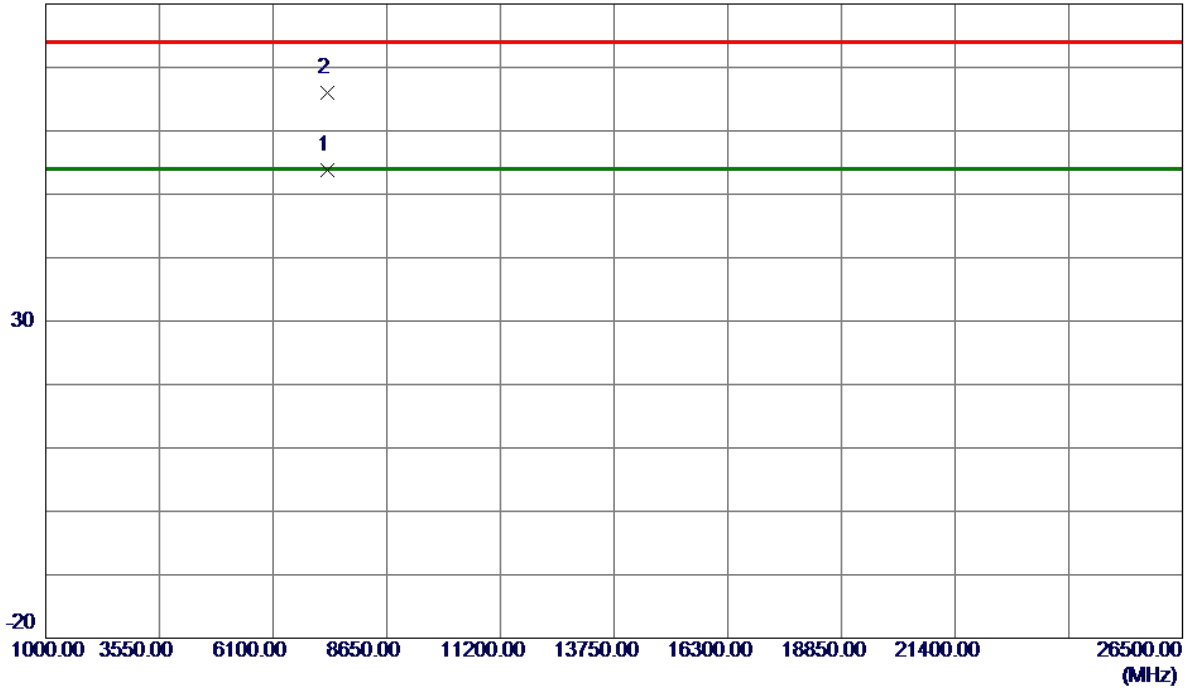
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	41.42	8.31	49.73	74.00	-24.27	Peak	
2	2390.0000	35.92	8.31	44.23	54.00	-9.77	AVG	
3	2434.8500	77.62	8.36	85.98	74.00	11.98	Peak	No Limit
4 *	2434.9500	69.37	8.36	77.73	54.00	23.73	AVG	No Limit

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
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80 dBuV/m



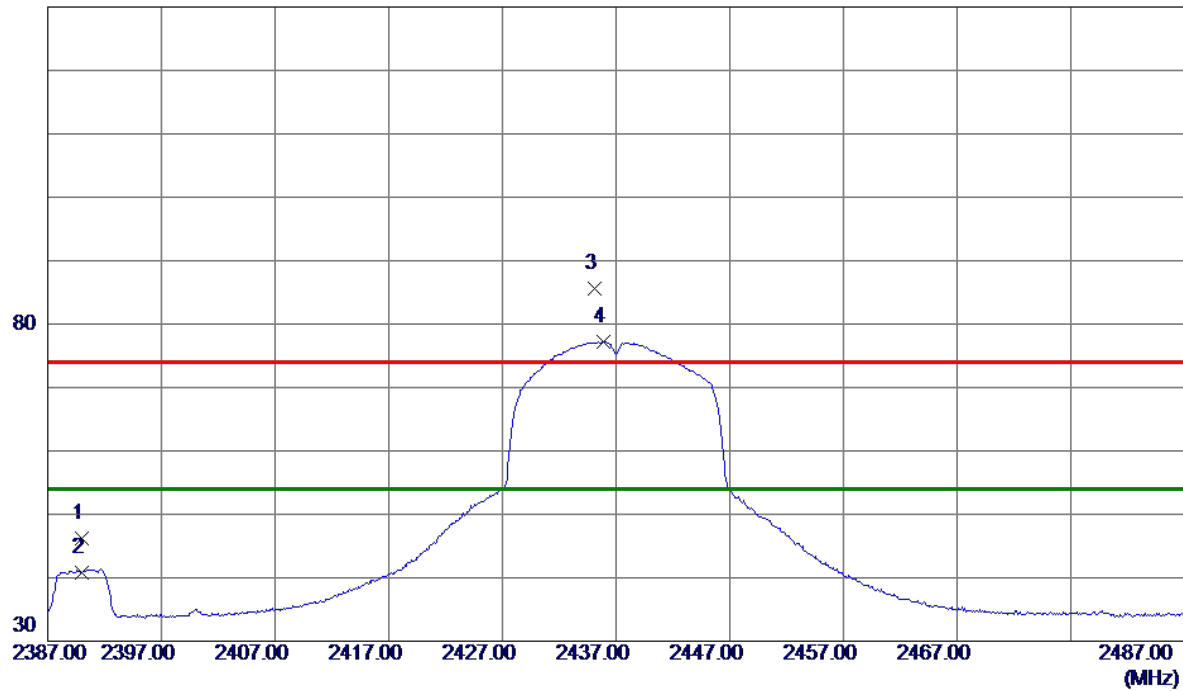
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7312.2000	43.01	10.70	53.71	54.00	-0.29	AVG	
2	7321.3500	55.33	10.71	66.04	74.00	-7.96	Peak	

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
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130 dBuV/m



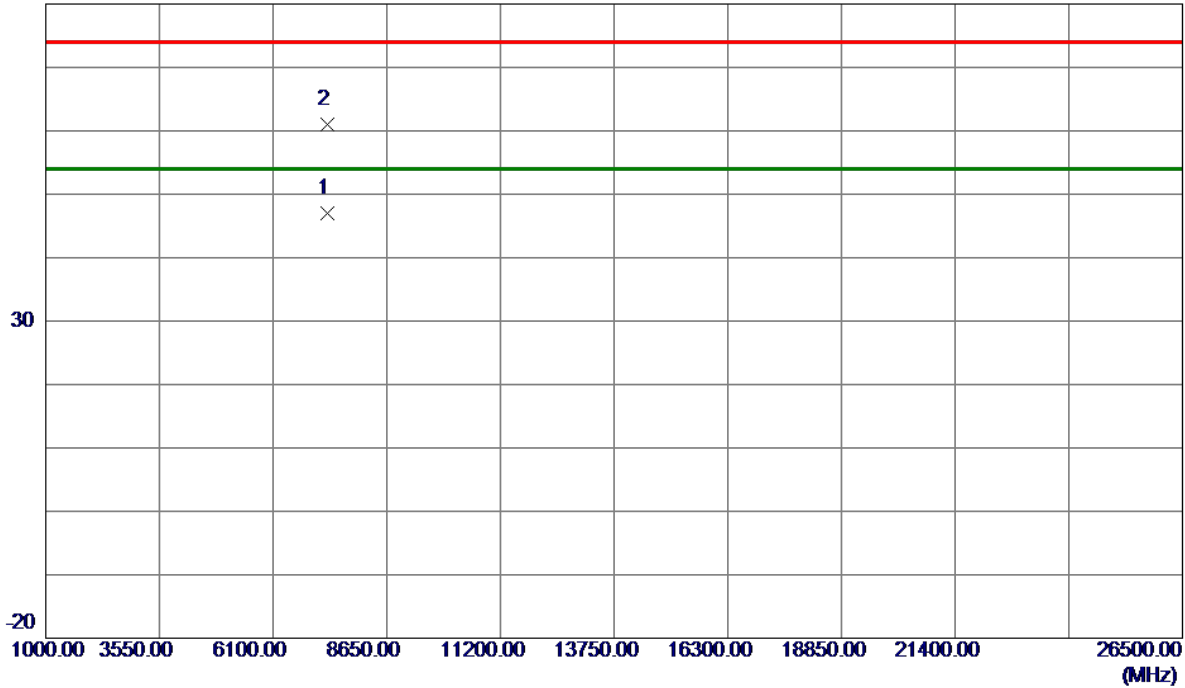
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	37.86	8.31	46.17	74.00	-27.83	Peak	
2	2390.0000	32.47	8.31	40.78	54.00	-13.22	AVG	
3	2435.1000	77.16	8.36	85.52	74.00	11.52	Peak	No Limit
4 *	2435.9000	68.86	8.36	77.22	54.00	23.22	AVG	No Limit

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
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80 dBuV/m



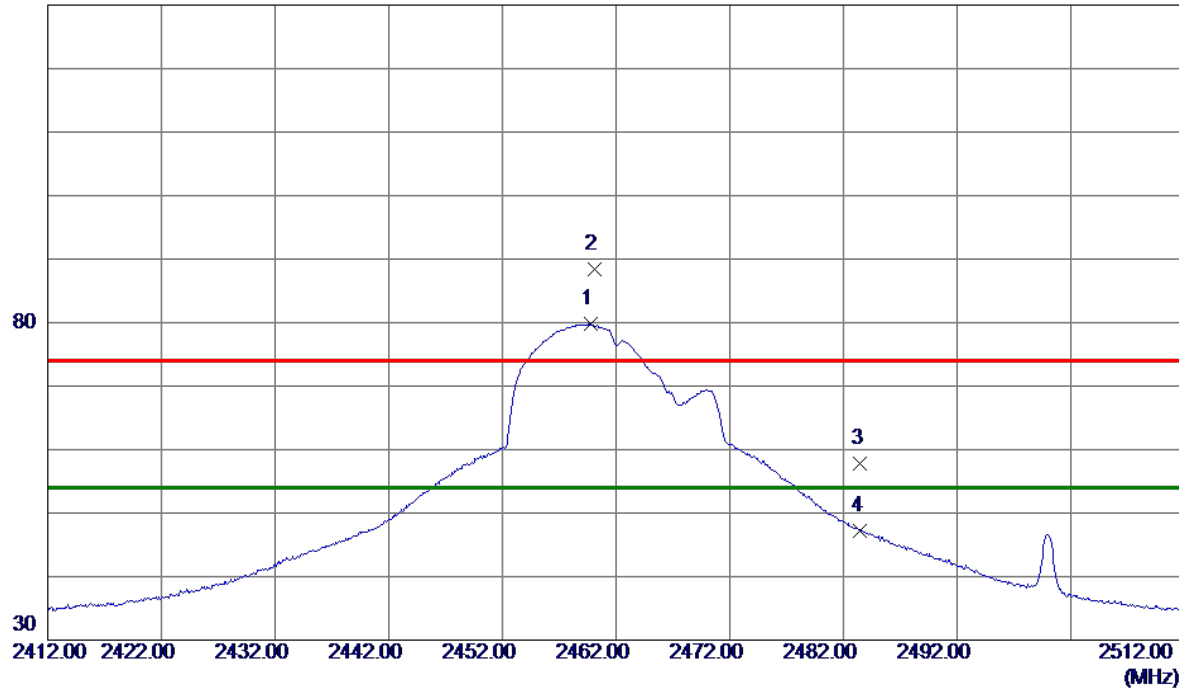
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7312.1500	36.30	10.70	47.00	54.00	-7.00	AVG	
2	7316.0500	50.28	10.70	60.98	74.00	-13.02	Peak	

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
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130 dBuV/m



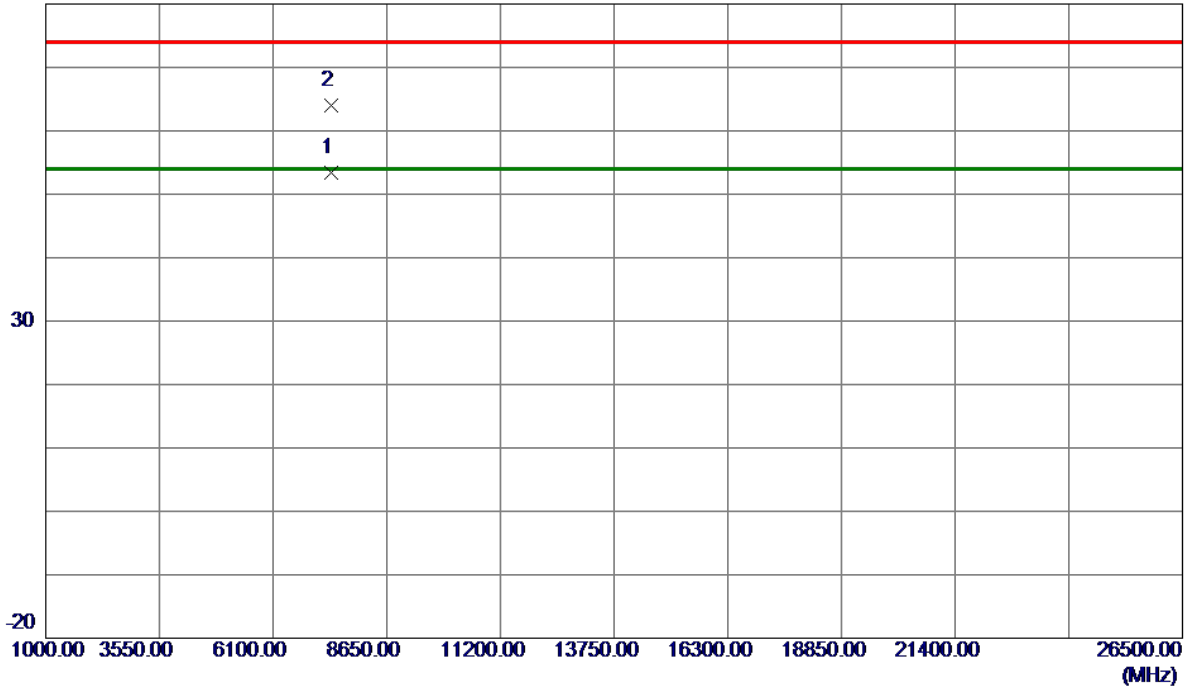
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2459.7500	71.34	8.39	79.73	54.00	25.73	AVG	No Limit
2	2460.1500	80.01	8.39	88.40	74.00	14.40	Peak	No Limit
3	2483.5000	49.41	8.42	57.83	74.00	-16.17	Peak	
4	2483.5000	38.69	8.42	47.11	54.00	-6.89	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
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80 dBuV/m



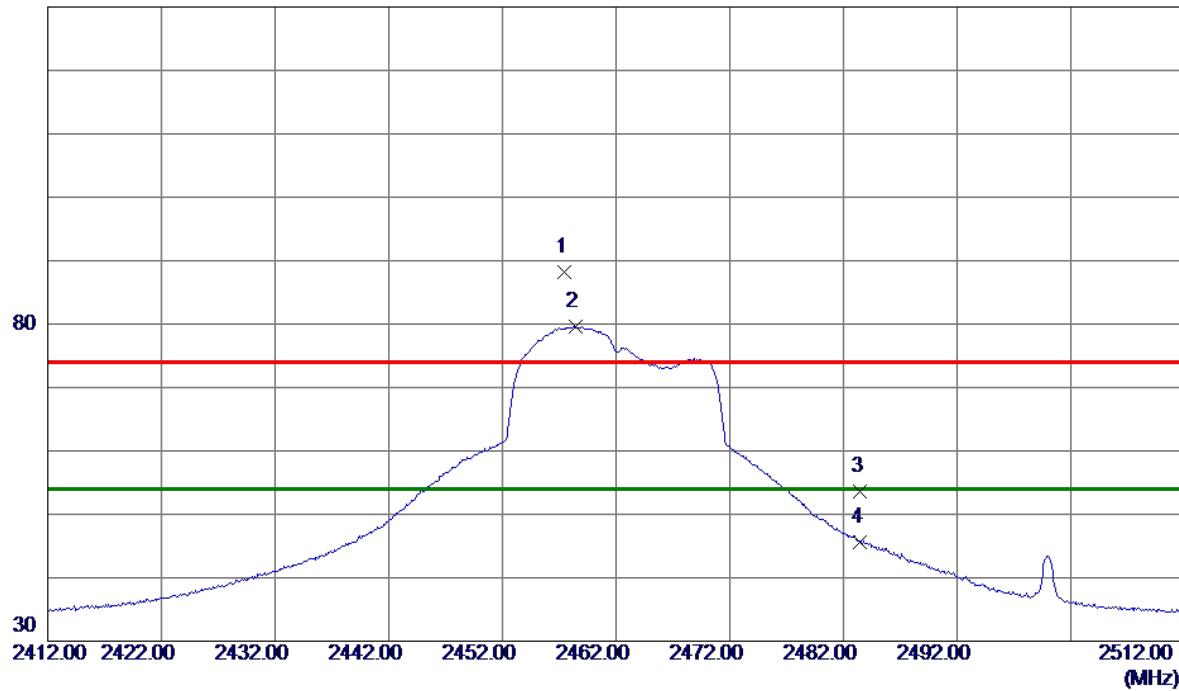
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7389.3500	42.52	10.80	53.32	54.00	-0.68	AVG	
2	7391.1000	53.26	10.80	64.06	74.00	-9.94	Peak	

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
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130 dBuV/m



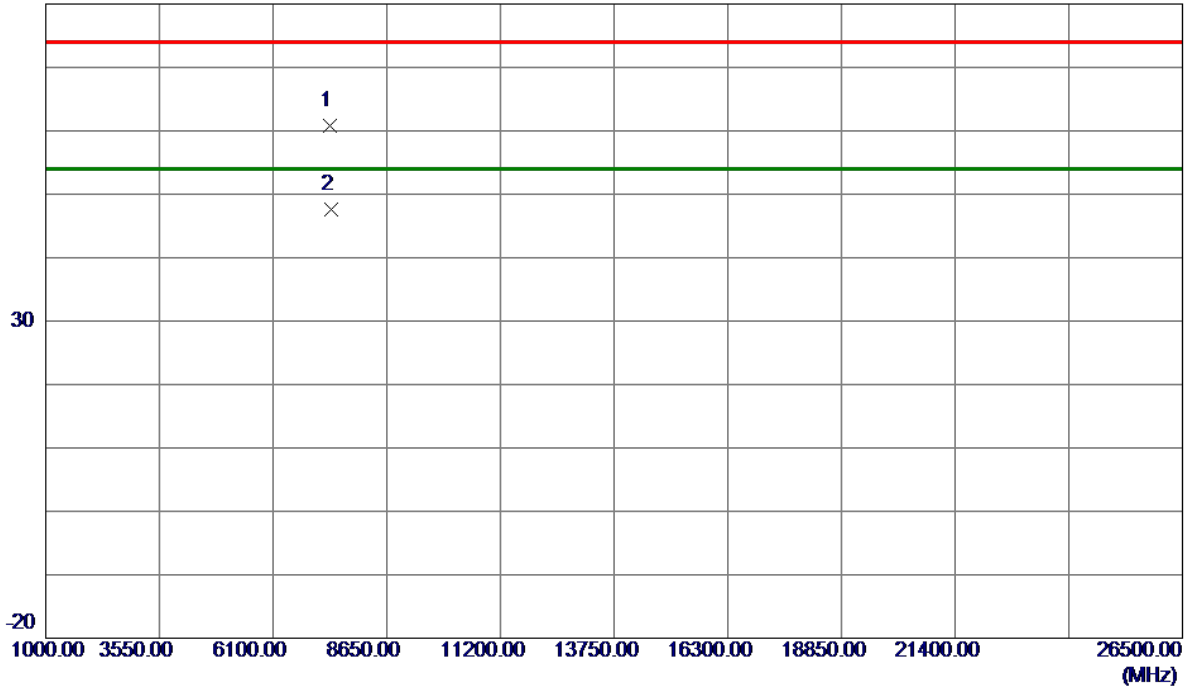
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2457.5000	79.74	8.39	88.13	74.00	14.13	Peak	No Limit
2 *	2458.4500	71.16	8.39	79.55	54.00	25.55	AVG	No Limit
3	2483.5000	45.09	8.42	53.51	74.00	-20.49	Peak	
4	2483.5000	37.26	8.42	45.68	54.00	-8.32	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
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80 dBuV/m



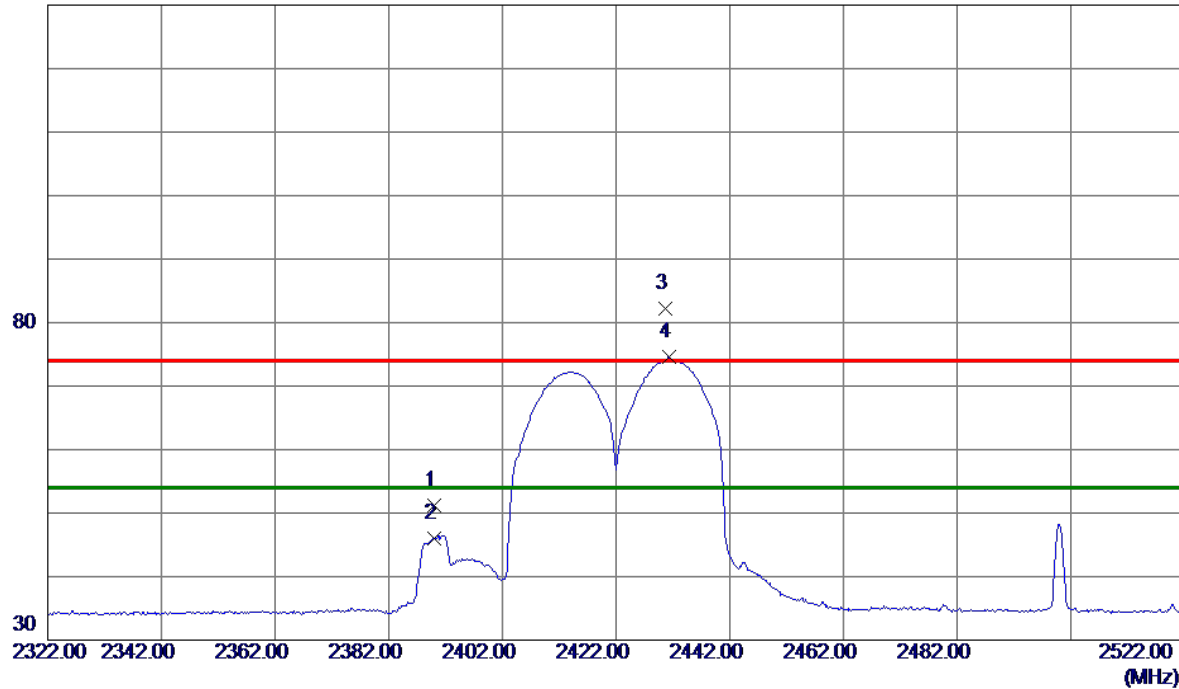
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7382.5500	49.93	10.79	60.72	74.00	-13.28	Peak	
2 *	7392.6000	36.84	10.80	47.64	54.00	-6.36	AVG	

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
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130 dBuV/m



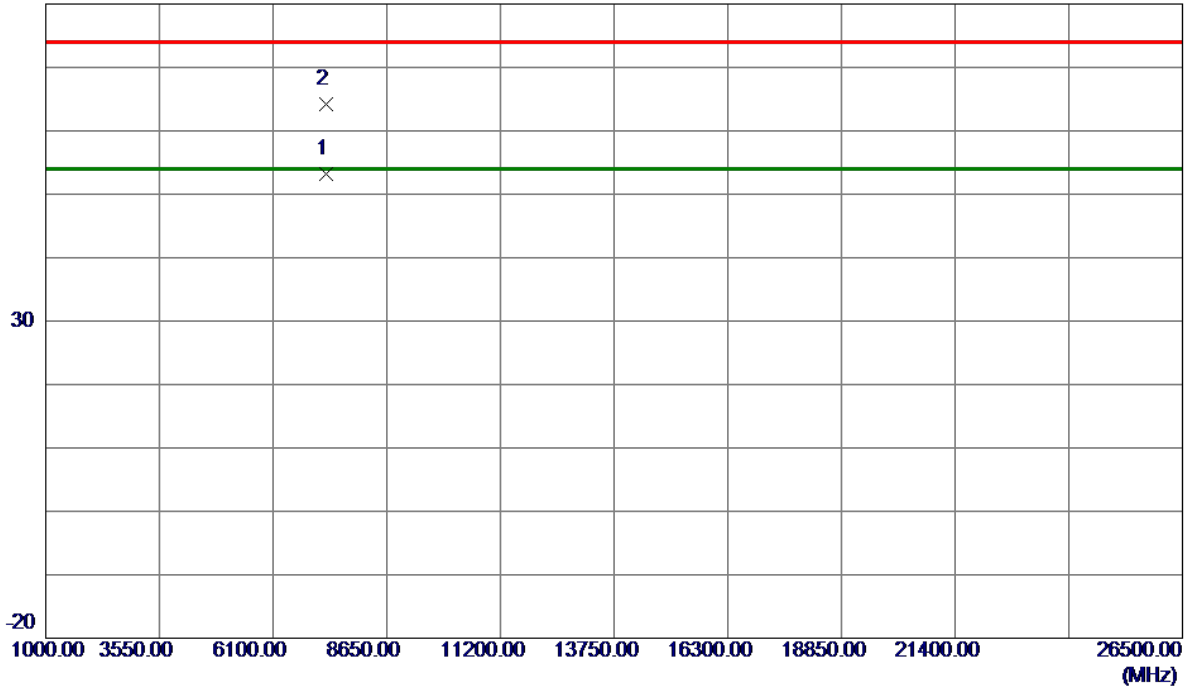
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	42.93	8.31	51.24	74.00	-22.76	Peak	
2	2390.0000	37.71	8.31	46.02	54.00	-7.98	AVG	
3	2430.6000	73.86	8.36	82.22	74.00	8.22	Peak	No Limit
4 *	2431.3000	66.20	8.36	74.56	54.00	20.56	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
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80 dBuV/m



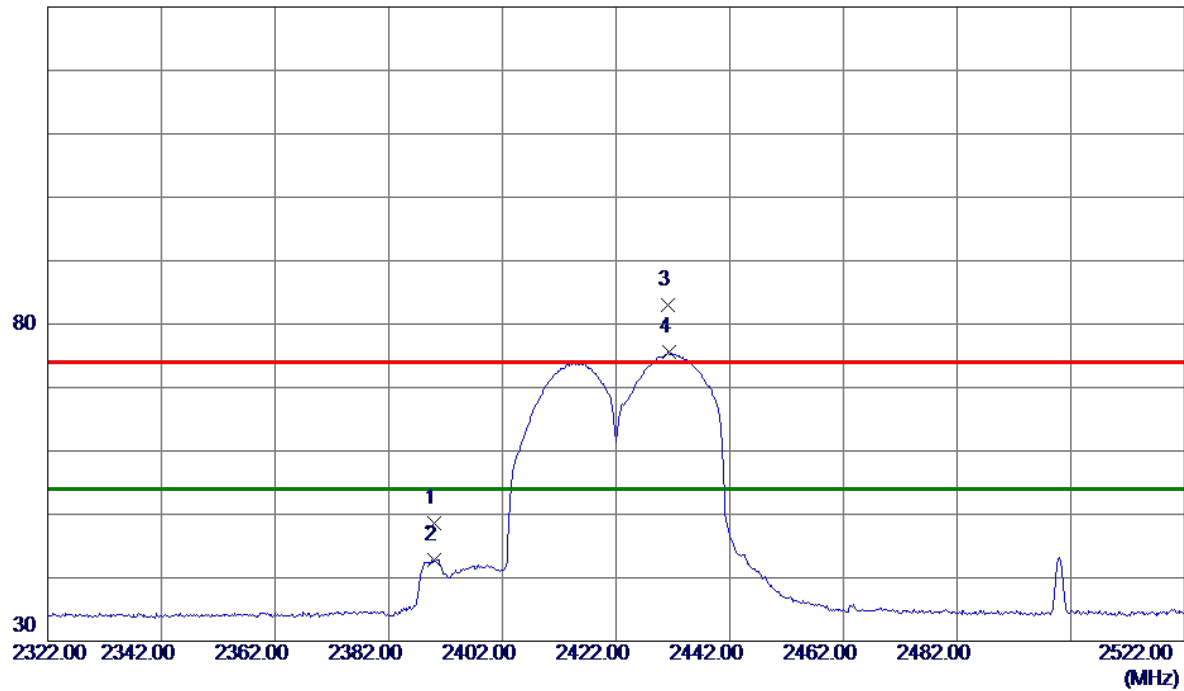
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7278.9000	42.49	10.65	53.14	54.00	-0.86	AVG	
2	7281.5000	53.49	10.66	64.15	74.00	-9.85	Peak	

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
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130 dBuV/m



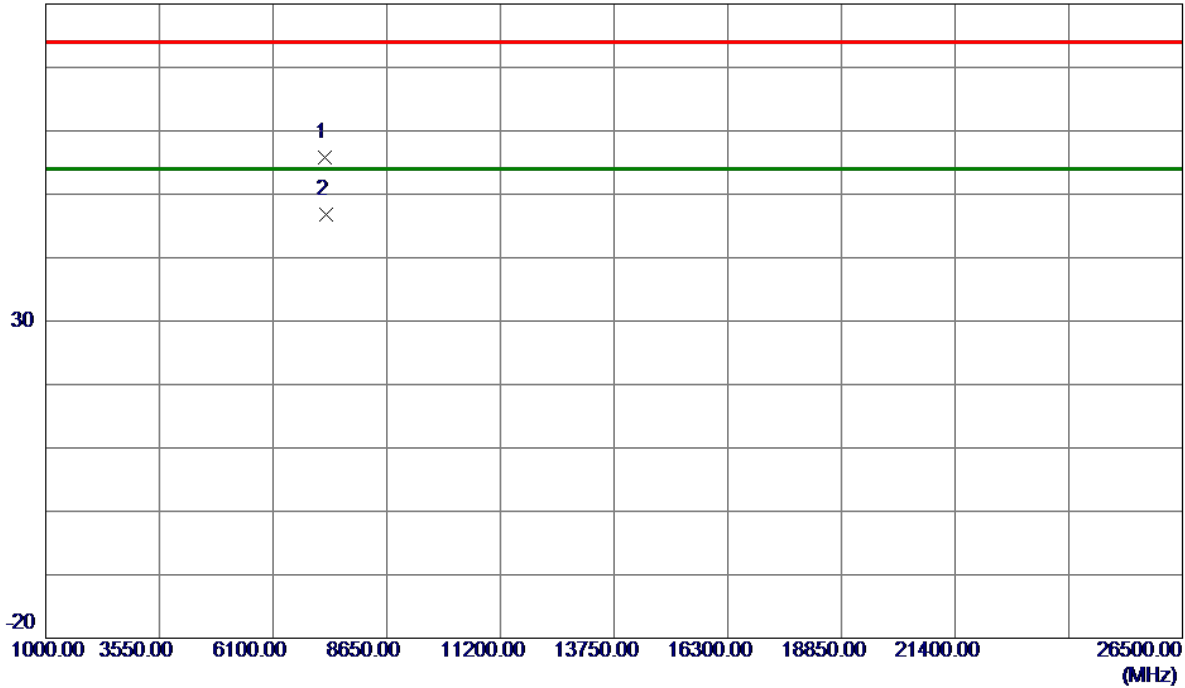
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	40.29	8.31	48.60	74.00	-25.40	Peak	
2	2390.0000	34.53	8.31	42.84	54.00	-11.16	AVG	
3	2431.2000	74.73	8.36	83.09	74.00	9.09	Peak	No Limit
4 *	2431.3000	67.16	8.36	75.52	54.00	21.52	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
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80 dBuV/m



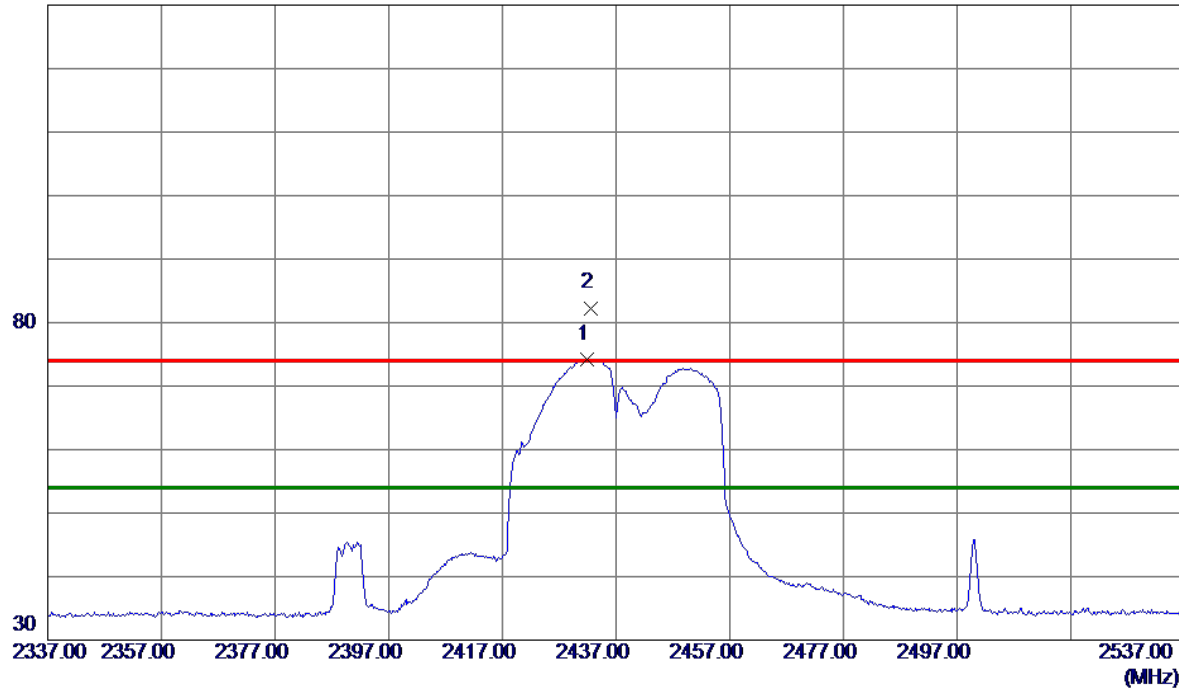
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7275.5000	45.08	10.65	55.73	74.00	-18.27	Peak	
2 *	7276.5000	36.24	10.65	46.89	54.00	-7.11	AVG	

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
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130 dBuV/m



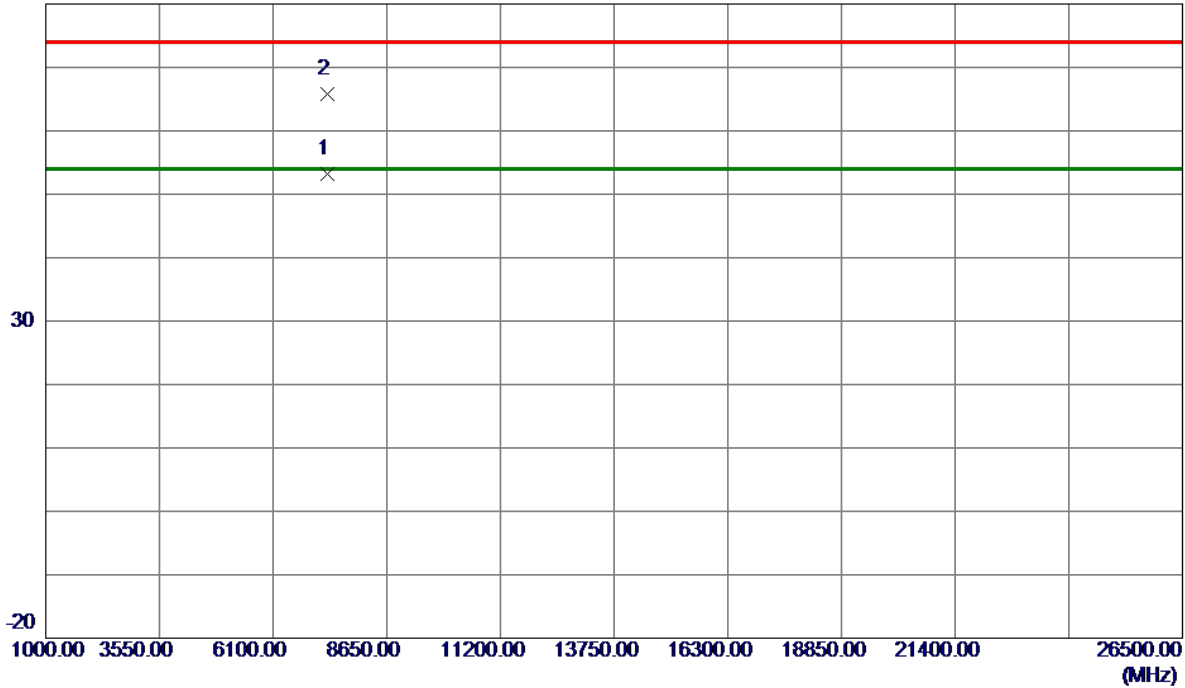
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2431.9000	65.91	8.36	74.27	54.00	20.27	AVG	No Limit
2	2432.5000	73.94	8.36	82.30	74.00	8.30	Peak	No Limit

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
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80 dBuV/m



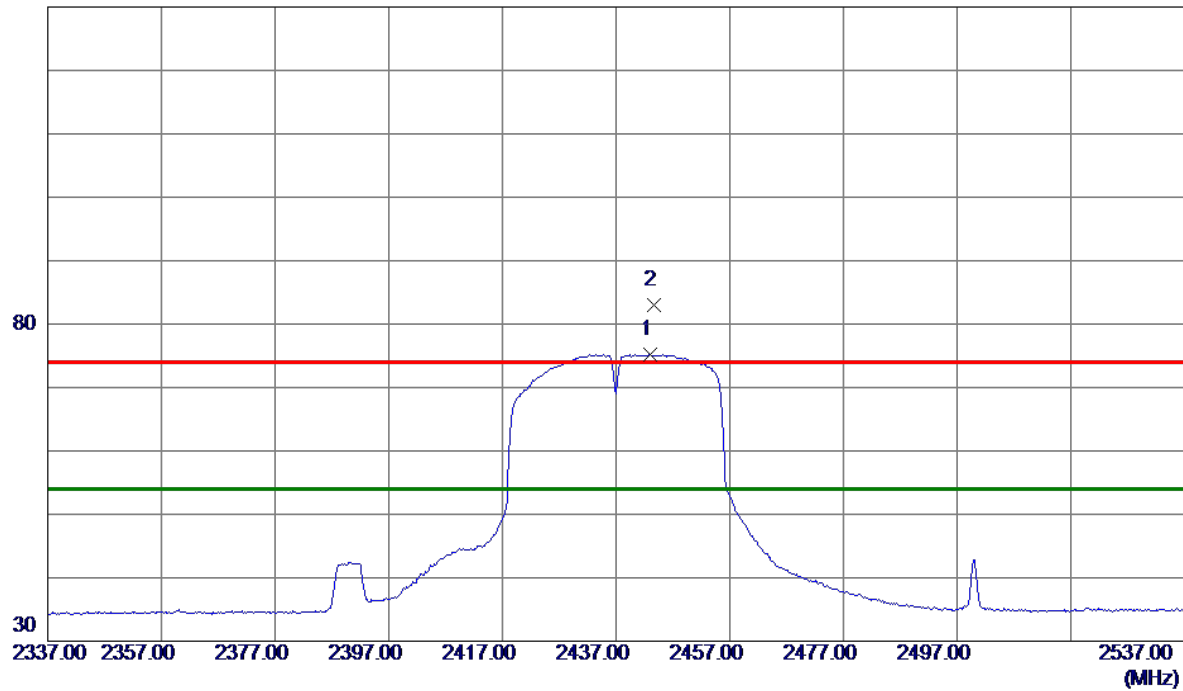
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7320.3000	42.48	10.71	53.19	54.00	-0.81	AVG	
2	7325.1000	55.09	10.71	65.80	74.00	-8.20	Peak	

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
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130 dBuV/m



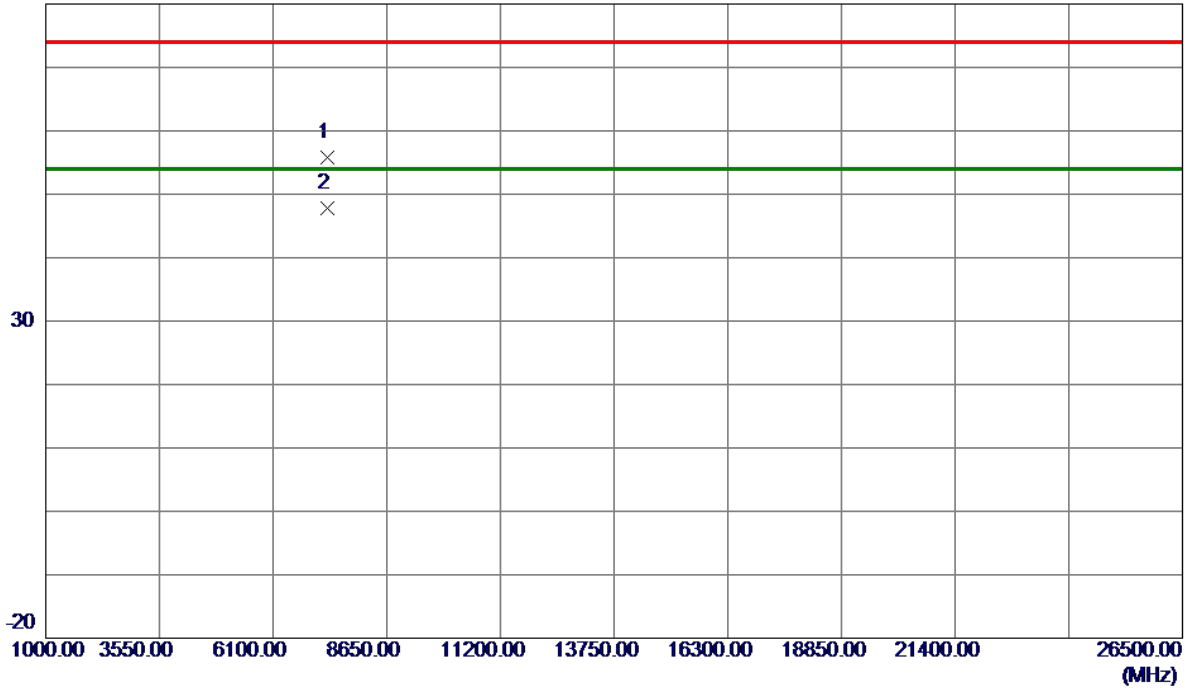
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2442.9000	66.81	8.37	75.18	54.00	21.18	AVG	No Limit
2	2443.6000	74.60	8.37	82.97	74.00	8.97	Peak	No Limit

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
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80 dBuV/m



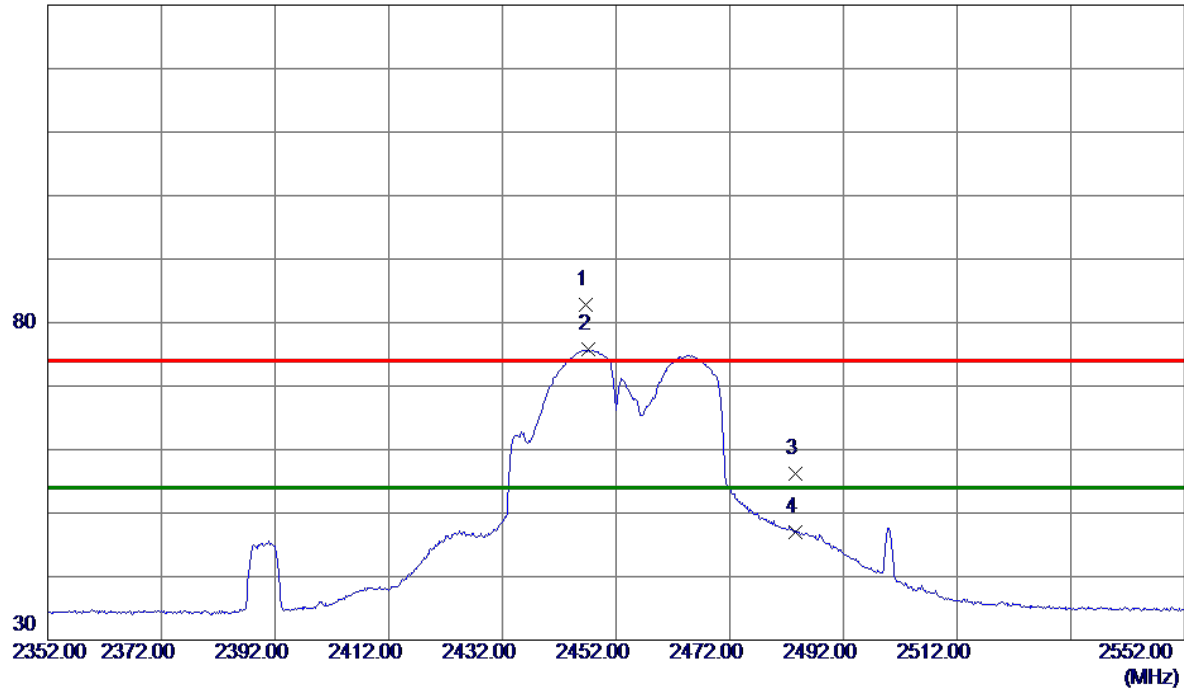
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7310.1000	45.12	10.69	55.81	74.00	-18.19	Peak	
2 *	7317.6000	37.03	10.70	47.73	54.00	-6.27	AVG	

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
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130 dBuV/m



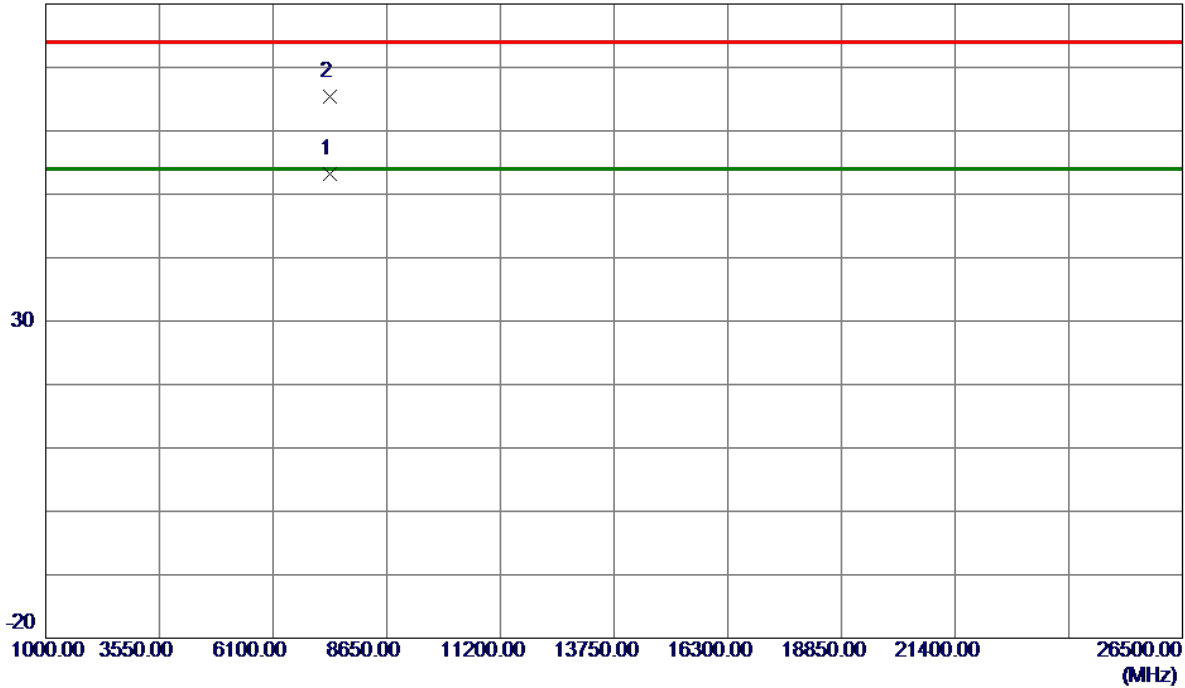
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2446.7000	74.45	8.38	82.83	74.00	8.83	Peak	No Limit
2 *	2447.1000	67.33	8.38	75.71	54.00	21.71	AVG	No Limit
3	2483.5000	47.75	8.42	56.17	74.00	-17.83	Peak	
4	2483.5000	38.58	8.42	47.00	54.00	-7.00	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
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80 dBuV/m



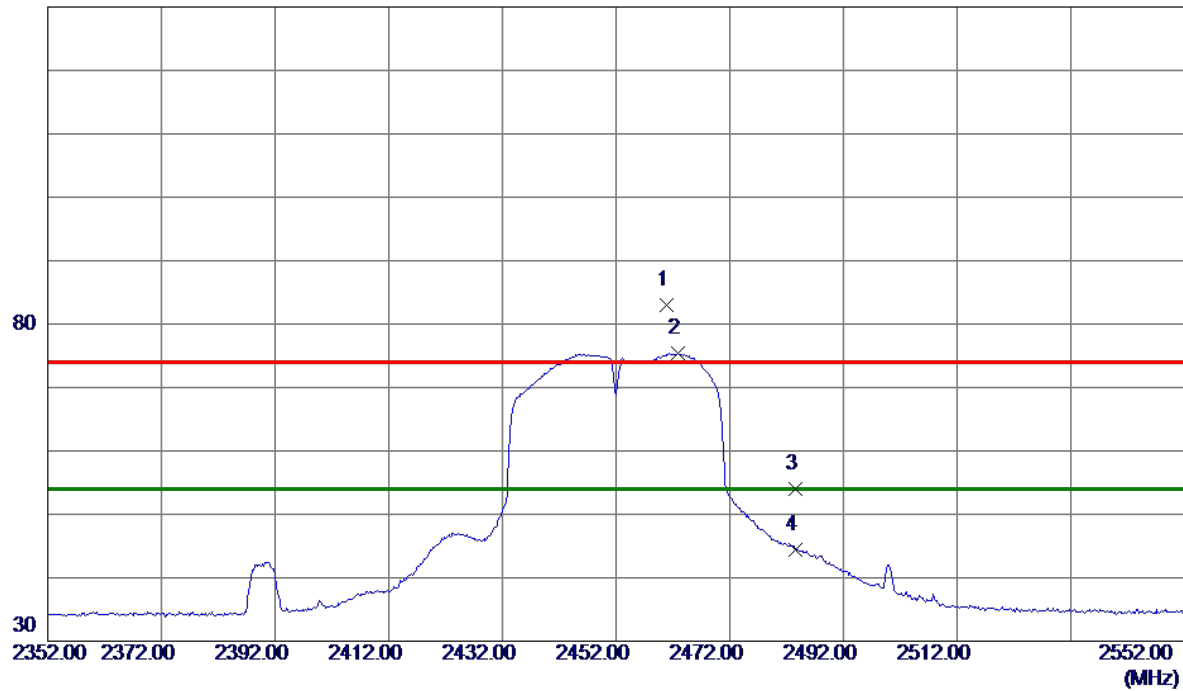
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7364.9000	42.41	10.76	53.17	54.00	-0.83	AVG	
2	7366.7000	54.67	10.77	65.44	74.00	-8.56	Peak	

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
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130 dBuV/m



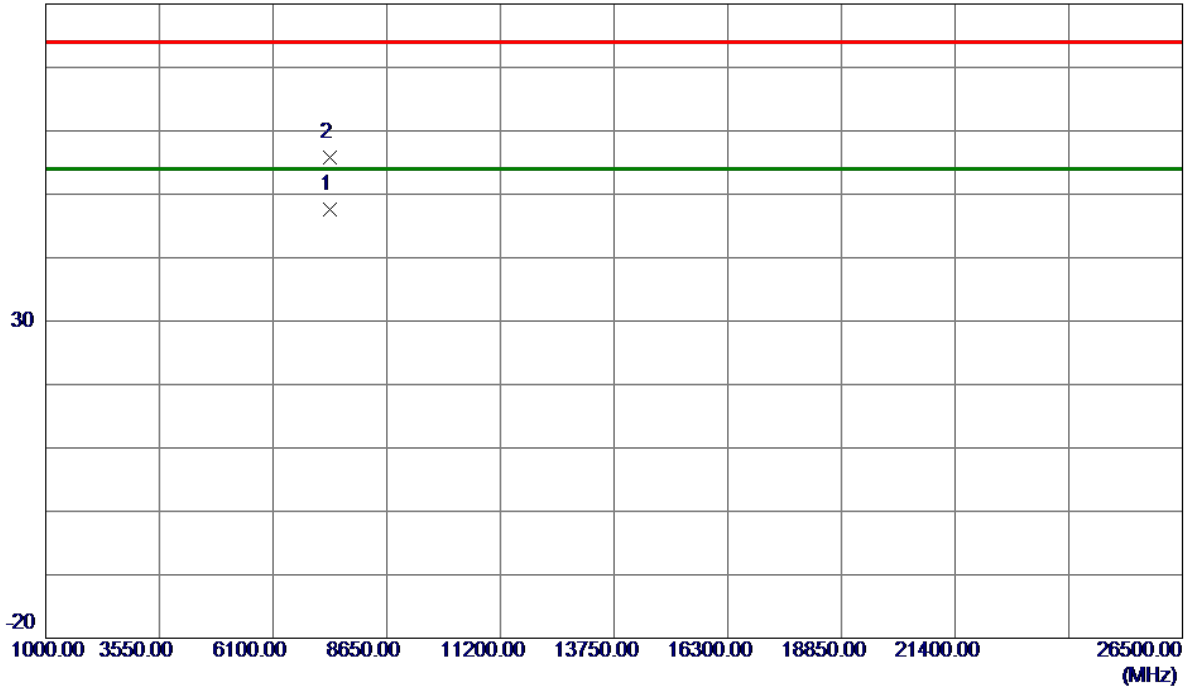
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2460.9000	74.64	8.40	83.04	74.00	9.04	Peak	No Limit
2 *	2462.8000	66.93	8.40	75.33	54.00	21.33	AVG	No Limit
3	2483.5000	45.55	8.42	53.97	74.00	-20.03	Peak	
4	2483.5000	36.07	8.42	44.49	54.00	-9.51	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
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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 *	7366.6000	36.88	10.77	47.65	54.00	-6.35	AVG	
2	7372.7000	45.03	10.77	55.80	74.00	-18.20	Peak	

REMARKS:

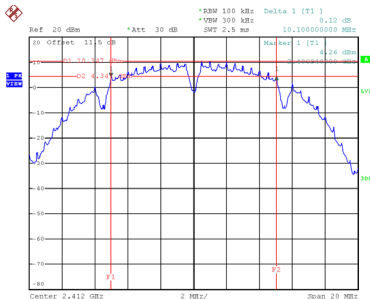
- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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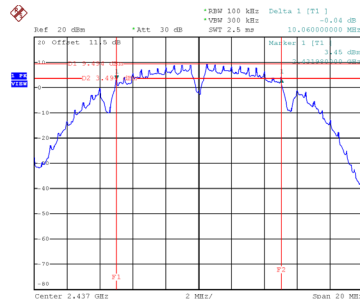
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	10.100	13.440	0.5	Complies
06	2437	10.060	13.360	0.5	Complies
11	2462	10.100	13.840	0.5	Complies

CH01



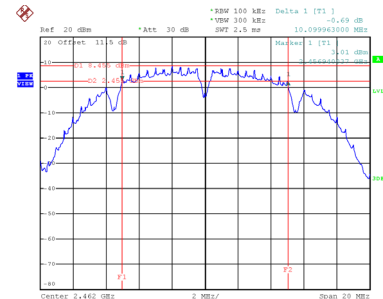
Date: 5.AUG.2021 18:53:25

CH06
6 dB Bandwidth



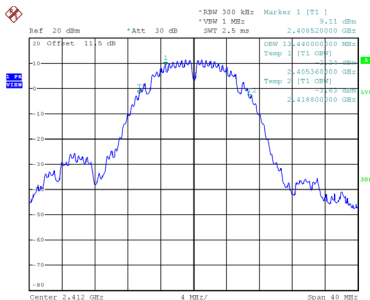
Date: 5.AUG.2021 18:54:58

CH11

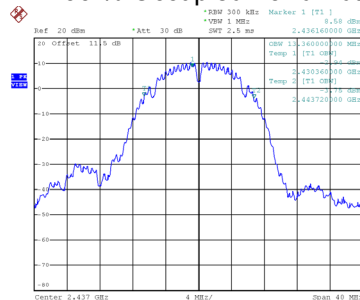


Date: 5.AUG.2021 18:56:25

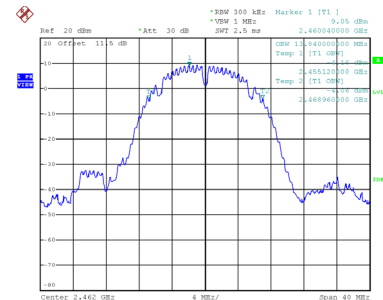
99 % Occupied Bandwidth



Date: 5.AUG.2021 18:53:33



Date: 5.AUG.2021 18:55:05

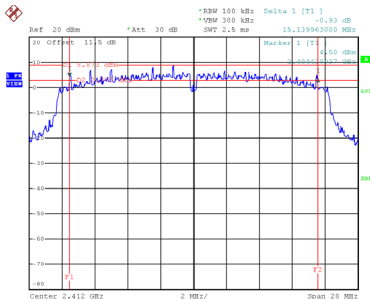


Date: 5.AUG.2021 18:56:33

Test Mode	TX G Mode
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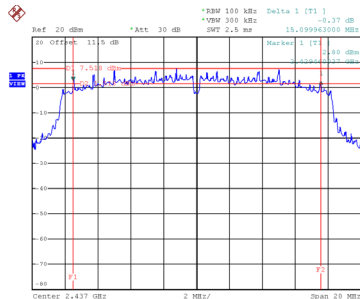
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	15.140	16.320	0.5	Complies
06	2437	15.100	16.320	0.5	Complies
11	2462	15.060	16.320	0.5	Complies

CH01



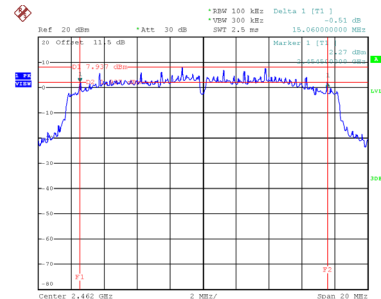
Date: 5.AUG.2021 18:58:08

CH06
6 dB Bandwidth



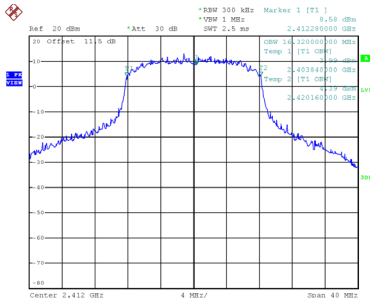
Date: 5.AUG.2021 18:59:31

CH11

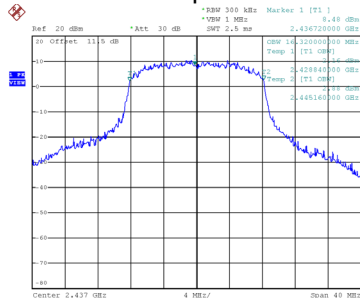


Date: 5.AUG.2021 19:00:55

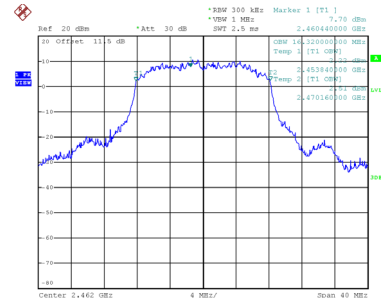
99 % Occupied Bandwidth



Date: 5.AUG.2021 18:58:16



Date: 5.AUG.2021 18:59:38

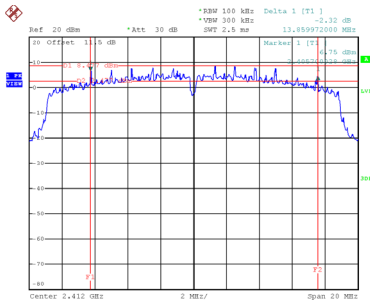


Date: 5.AUG.2021 19:01:03

Test Mode	TX N(HT20) Mode
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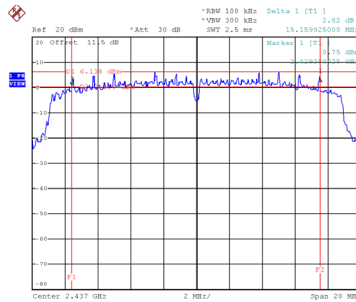
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	13.860	17.360	0.5	Complies
06	2437	15.160	17.440	0.5	Complies
11	2462	15.120	17.200	0.5	Complies

CH01



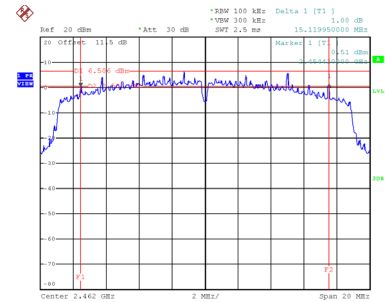
Date: 5.AUG.2021 19:02:31

CH06
6 dB Bandwidth



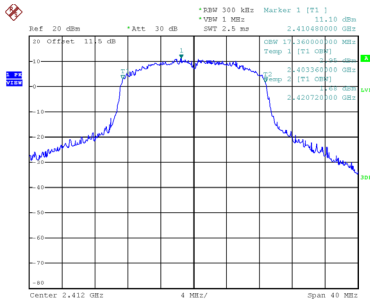
Date: 5.AUG.2021 19:03:50

CH11

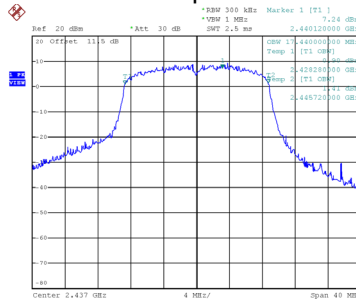


Date: 5.AUG.2021 19:05:23

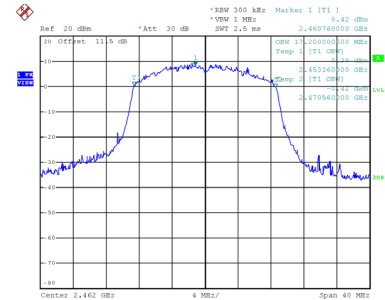
99 % Occupied Bandwidth



Date: 5.AUG.2021 19:02:39



Date: 5.AUG.2021 19:03:58

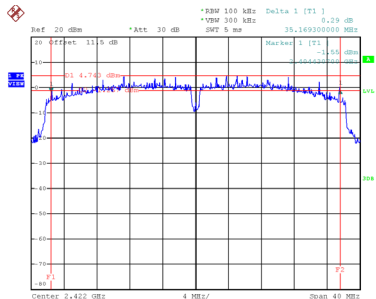


Date: 5.AUG.2021 19:05:31

Test Mode	TX N(HT40) Mode
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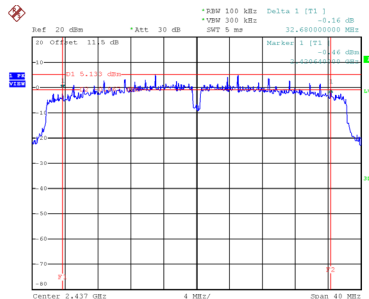
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
03	2422	35.169	36.160	0.5	Complies
06	2437	32.680	36.160	0.5	Complies
09	2452	35.080	35.840	0.5	Complies

CH03



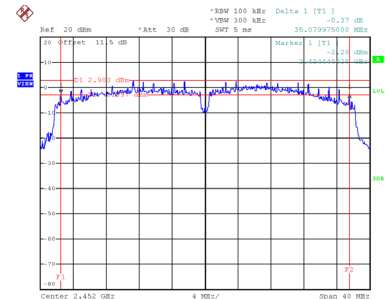
Date: 5.AUG.2021 19:06:47

CH06
6 dB Bandwidth



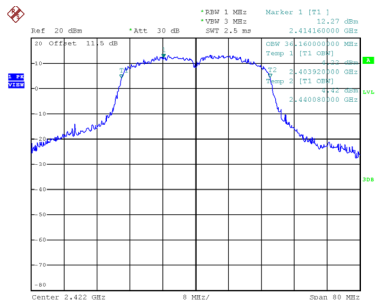
Date: 5.AUG.2021 19:08:06

CH09

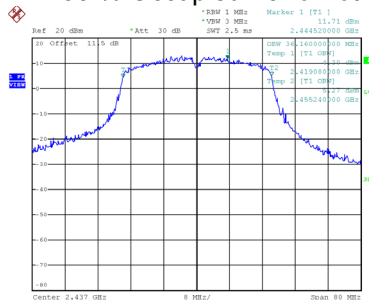


Date: 5.AUG.2021 19:09:24

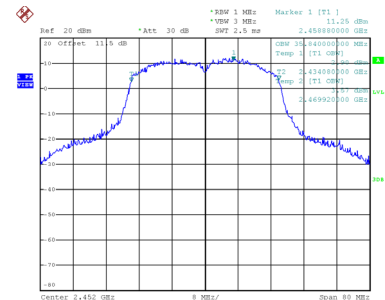
99 % Occupied Bandwidth



Date: 5.AUG.2021 19:06:55



Date: 5.AUG.2021 19:08:13



Date: 5.AUG.2021 19:09:32

APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	TX B Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.16	0.00	13.16	29.79	0.9528	Complies
06	2437	13.31	0.00	13.31	29.79	0.9528	Complies
11	2462	13.65	0.00	13.65	29.79	0.9528	Complies

Test Mode	TX B Mode_Ant. 2
-----------	------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.45	0.00	13.45	29.79	0.9528	Complies
06	2437	12.95	0.00	12.95	29.79	0.9528	Complies
11	2462	13.07	0.00	13.07	29.79	0.9528	Complies

Test Mode	TX B Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	13.16	29.79	0.9528	Complies
06	2437	13.31	29.79	0.9528	Complies
11	2462	13.65	29.79	0.9528	Complies

Test Mode	TX G Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.25	0.10	15.35	29.79	0.9528	Complies
06	2437	13.41	0.10	13.51	29.79	0.9528	Complies
11	2462	11.35	0.10	11.45	29.79	0.9528	Complies

Test Mode	TX G Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.87	0.10	15.97	29.79	0.9528	Complies
06	2437	13.61	0.10	13.71	29.79	0.9528	Complies
11	2462	11.87	0.10	11.97	29.79	0.9528	Complies

Test Mode	TX G Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.35	29.79	0.9528	Complies
06	2437	13.52	29.79	0.9528	Complies
11	2462	11.53	29.79	0.9528	Complies

Test Mode	TX N(HT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.28	0.11	15.39	29.79	0.9528	Complies
06	2437	14.48	0.11	14.59	29.79	0.9528	Complies
11	2462	12.01	0.11	12.12	29.79	0.9528	Complies

Test Mode	TX N(HT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	15.97	0.11	16.08	29.79	0.9528	Complies
06	2437	14.77	0.11	14.88	29.79	0.9528	Complies
11	2462	12.28	0.11	12.39	29.79	0.9528	Complies

Test Mode	TX N(HT20) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	18.76	29.79	0.9528	Complies
06	2437	17.82	29.79	0.9528	Complies
11	2462	15.16	29.79	0.9528	Complies

Test Mode	TX N(HT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.25	0.18	15.43	29.79	0.9528	Complies
06	2437	14.33	0.18	14.51	29.79	0.9528	Complies
09	2452	13.65	0.18	13.83	29.79	0.9528	Complies

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

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	15.79	0.18	15.97	29.79	0.9528	Complies
06	2437	14.74	0.18	14.92	29.79	0.9528	Complies
09	2452	13.51	0.18	13.69	29.79	0.9528	Complies

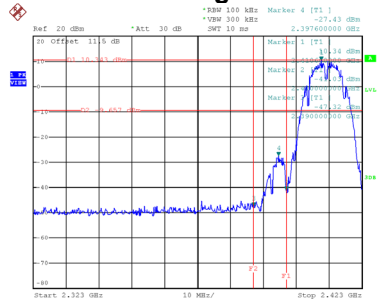
Test Mode	TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	18.72	29.79	0.9528	Complies
06	2437	17.55	29.79	0.9528	Complies
09	2452	16.59	29.79	0.9528	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

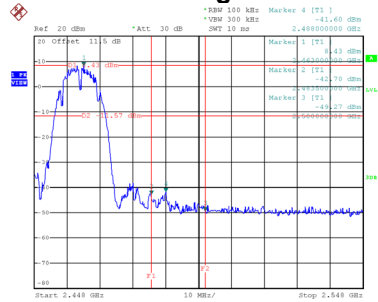
Test Mode TX B Mode_Ant. 1

Bandedge-CH01



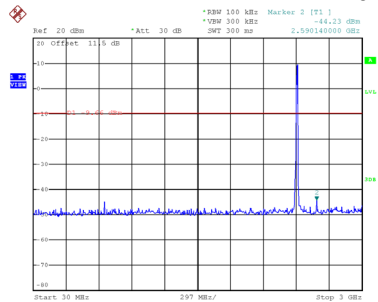
Date: 5.AUG.2021 18:53:41

Bandedge-CH11

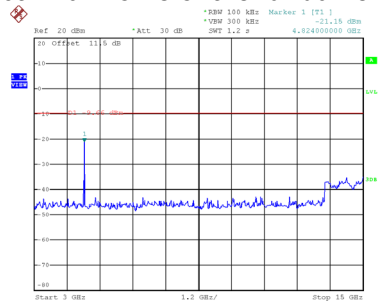


Date: 5.AUG.2021 18:56:41

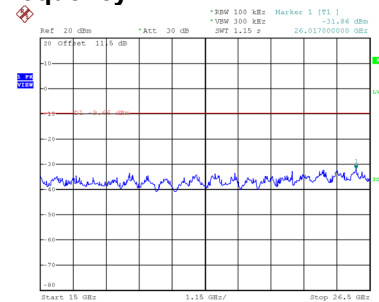
CH01 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 18:53:56

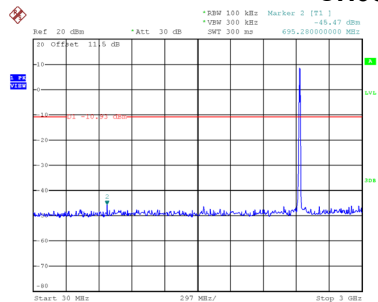


Date: 5.AUG.2021 18:54:04

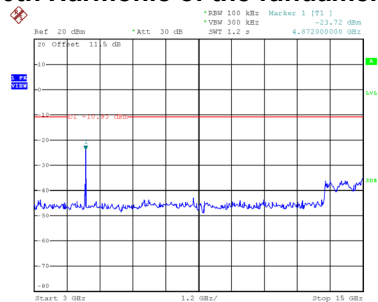


Date: 5.AUG.2021 18:54:12

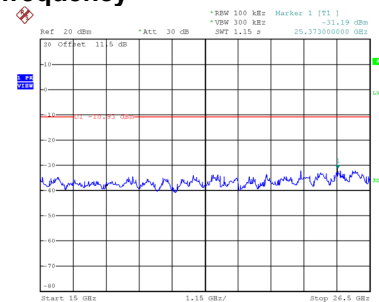
CH06 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 18:55:28

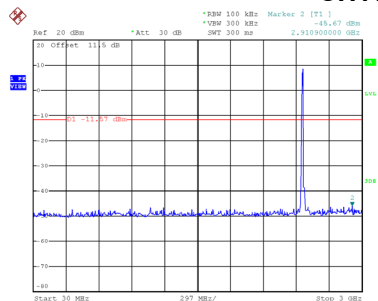


Date: 5.AUG.2021 18:55:36

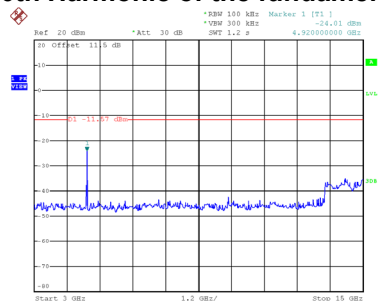


Date: 5.AUG.2021 18:55:44

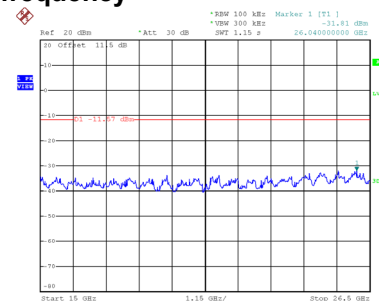
CH11 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 18:56:55



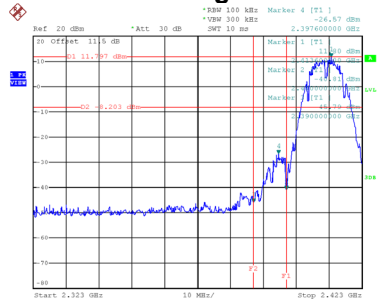
Date: 5.AUG.2021 18:57:04



Date: 5.AUG.2021 18:57:12

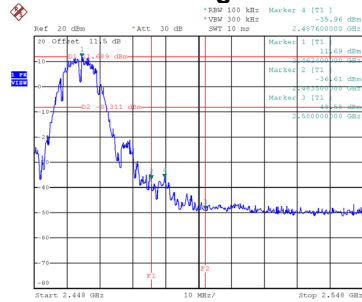
Test Mode TX B Mode_Ant. 2

Bandedge-CH01



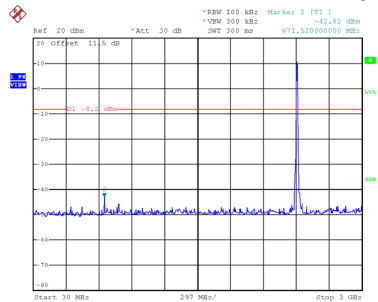
Date: 5.AUG.2021 19:12:43

Bandedge-CH11

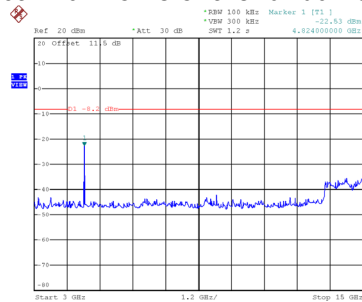


Date: 5.AUG.2021 19:15:39

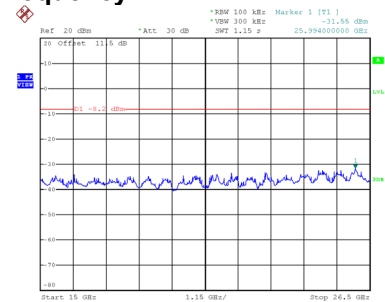
CH01 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 19:12:57

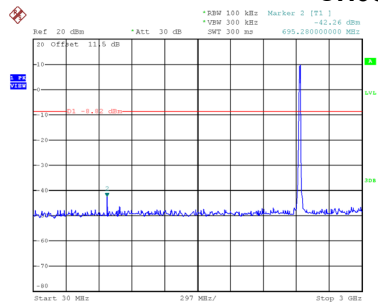


Date: 5.AUG.2021 19:13:06

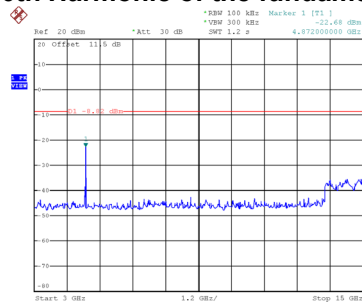


Date: 5.AUG.2021 19:13:14

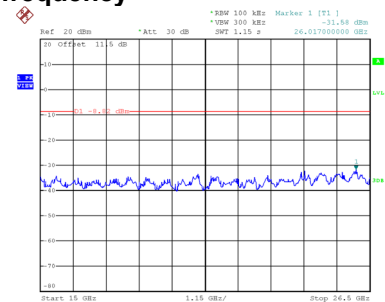
CH06 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 19:14:25

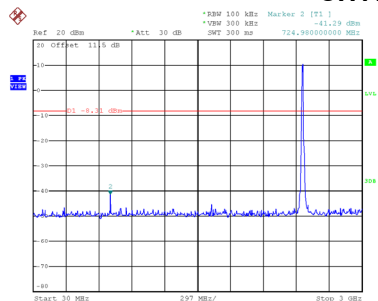


Date: 5.AUG.2021 19:14:34

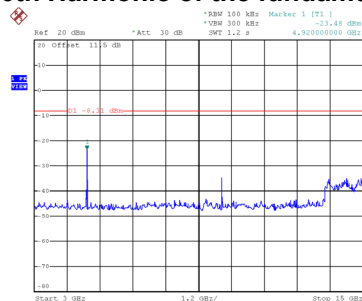


Date: 5.AUG.2021 19:14:42

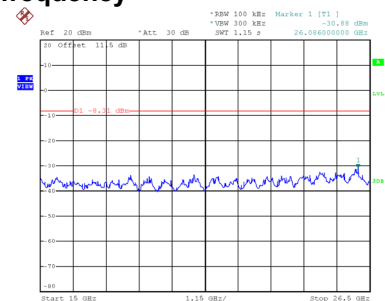
CH11 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 19:15:53



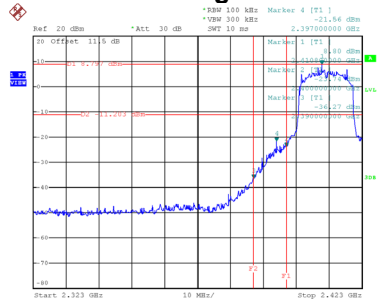
Date: 5.AUG.2021 19:16:02



Date: 5.AUG.2021 19:16:10

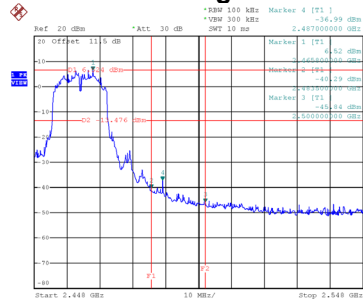
Test Mode TX G Mode_Ant. 1

Bandedge-CH01



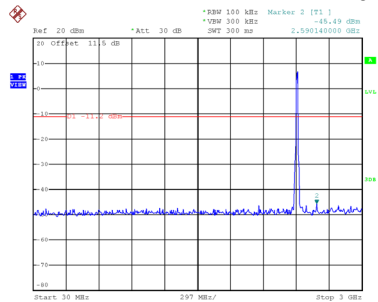
Date: 5.AUG.2021 18:58:24

Bandedge-CH11

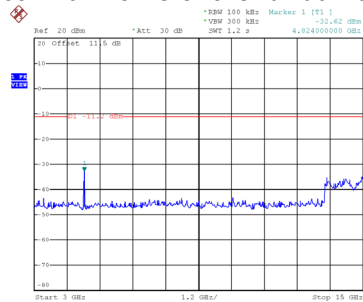


Date: 5.AUG.2021 19:01:11

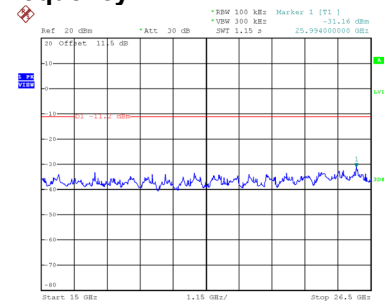
CH01 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 18:58:38

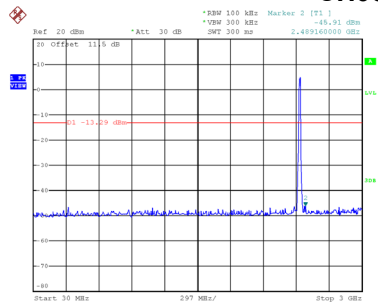


Date: 5.AUG.2021 18:58:47

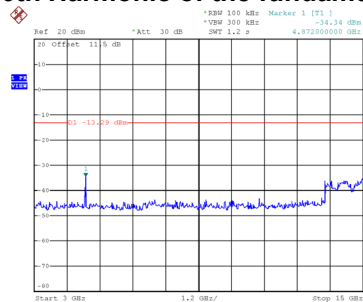


Date: 5.AUG.2021 18:58:56

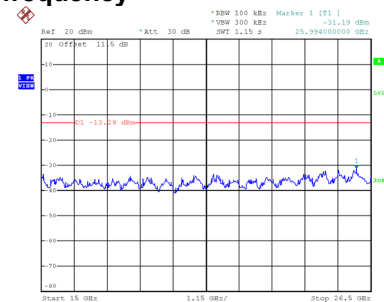
CH06 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 19:00:01

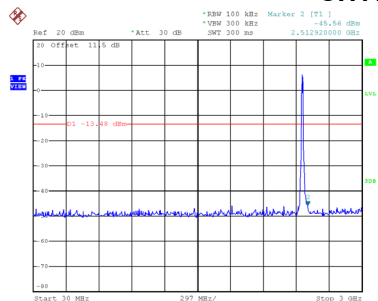


Date: 5.AUG.2021 19:00:09

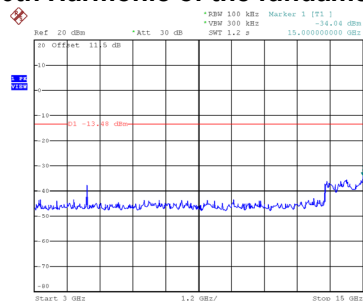


Date: 5.AUG.2021 19:00:17

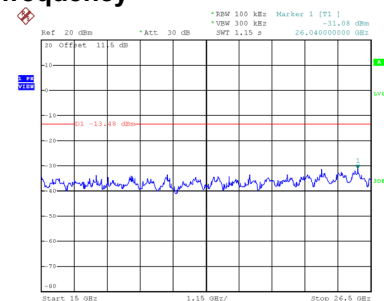
CH11 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 19:01:25



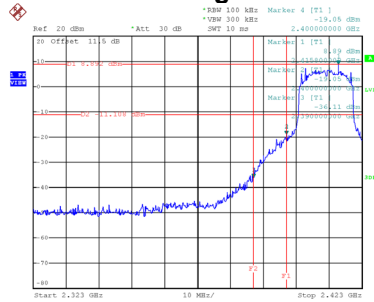
Date: 5.AUG.2021 19:01:34



Date: 5.AUG.2021 19:01:43

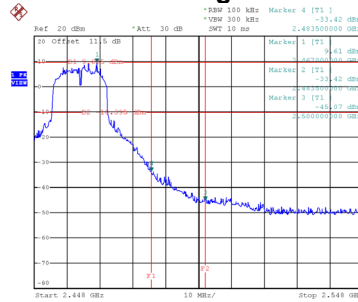
Test Mode TX G Mode_Ant. 2

Bandedge-CH01



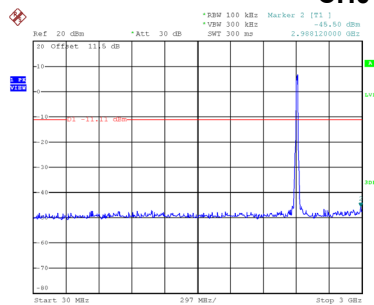
Date: 5.AUG.2021 19:17:17

Bandedge-CH11

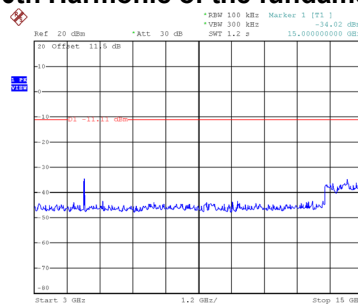


Date: 5.AUG.2021 19:20:05

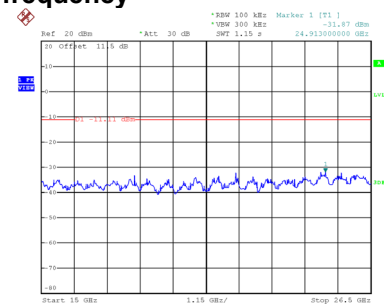
CH01 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 19:17:31

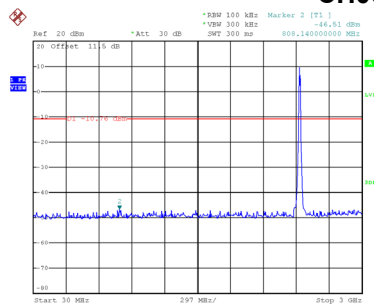


Date: 5.AUG.2021 19:17:40

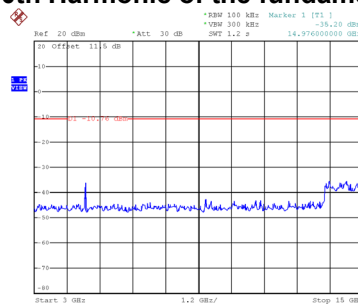


Date: 5.AUG.2021 19:17:48

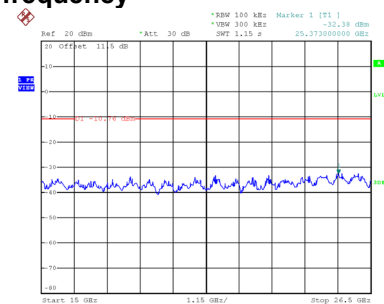
CH06 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 19:19:01

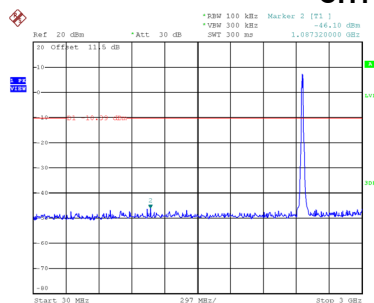


Date: 5.AUG.2021 19:19:09

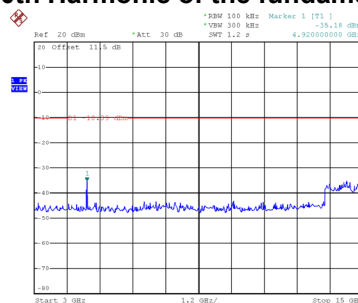


Date: 5.AUG.2021 19:19:17

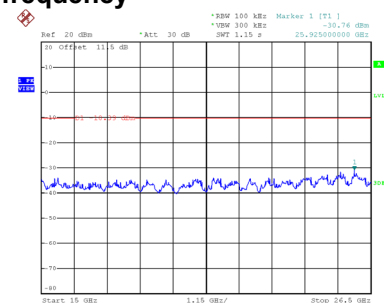
CH11 – 10th Harmonic of the fundamental frequency



Date: 5.AUG.2021 19:20:20



Date: 5.AUG.2021 19:20:28



Date: 5.AUG.2021 19:20:36