

FCC Radio Test Report

FCC ID: 2A5LO-TOZED5GCPEX21

This report concerns: Original Grant

Project No. : 2201C050
Equipment : 5G Wireless Router
Brand Name : TOZED KANGWEI
Test Model : ZLT X21
Series Model : ZLT X21Y("Y" in the model name can be A to Z)
Applicant : Guangzhou Tozed Kangwei Intelligent Technology Co., LTD
Address : 13/F,Tower 1, Xiangjiang Sci-tech Innovation Center, No.37 Jinlong Road, Nansha District, Guangzhou
Manufacturer : Guangzhou Tozed Kangwei Intelligent Technology Co., LTD
Address : 13/F,Tower 1, Xiangjiang Sci-tech Innovation Center, No.37 Jinlong Road, Nansha District, Guangzhou
Factory : Guangzhou Tozed Kangwei Intelligent Technology Co., LTD
Address : 13/F,Tower 1, Xiangjiang Sci-tech Innovation Center, No.37 Jinlong Road, Nansha District, Guangzhou
Date of Receipt : Jan. 12, 2022
Date of Test : Jan. 13, 2022 ~ Mar. 14, 2022
Issued Date : Apr. 06, 2022
Report Version : R01
Test Sample : Engineering Sample No.: DG20220111224 for conducted, DG20220111222 and DG2022022829 for radiated.
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.

Treey Chen

Prepared by : Treey Chen

Steven Lu

Approved by : Steven Lu



TESTING CERT #5123.02

Add: No. 3 Jinshagang 1st Rd. Shixia, Dalang Town Dongguan City, Guangdong 523792
People's Republic of China
Tel: +86-769-8318-3000
Web: www.newbtl.com

Declaration

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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 No.	Version	Description	Issued Date	Note
BTL-FCCP-5-2201C050	R00	Original Report.	Mar. 17, 2022	Invalid
BTL-FCCP-5-2201C050	R01	Updated maximum output power(Watts) in page 10.	Apr. 06, 2022	Valid

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 523792 People's Republic of China.

BTL's 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	2.60

B. Radiated emissions test:

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

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (3m)	CISPR	30MHz ~ 200MHz	V	4.36
		30MHz ~ 200MHz	H	3.32
		200MHz ~ 1,000MHz	V	4.08
		200MHz ~ 1,000MHz	H	3.96

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 6GHz	3.80
		6GHz ~ 18GHz	4.82

Test Site	Method	Measurement Frequency Range	U,(dB)
DG-CB03 (1m)	CISPR	18 ~ 26.5 GHz	3.62
		26.5 ~ 40 GHz	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	23°C	60%	AC 120V/60Hz	Rod Tang
Radiated Emissions-9kHz to 30 MHz	22°C	50%	AC 120V/60Hz	Torocat Yuan
Radiated Emissions-30MHz to 1000MHz	22°C	55%	AC 120V/60Hz	Eli Chen
Radiated Emissions-Above 1000MHz	22°C	55%	AC 120V/60Hz	Eli Chen
Bandwidth	23-25°C	50-51%	AC 120V/60Hz	Nicole Chen
Maximum Output Power	23.3°C	59.5%	AC 120V/60Hz	Ansel Yang
Conducted Spurious Emissions	23-25°C	50-51%	AC 120V/60Hz	Nicole Chen
Power Spectral Density	23-25°C	50-51%	AC 120V/60Hz	Nicole Chen

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	5G Wireless Router
Brand Name	TOZED KANGWEI
Test Model	ZLT X21
Series Model	ZLT X21Y("Y" in the model name can be A to Z)
Model Difference(s)	There is no difference except model difference, shell color and silk screen change.
Software Version	1.2.17
Hardware Version	TZ7.823.411
Power Source	DC voltage supplied from AC adapter. Model: GS-P120200E334
Power Rating	I/P: 100-240V ~ 50/60Hz 0.8A O/P: 12V  2A
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): 20.08 dBm (0.1019 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	ShenZhen NQI network communication ltd	NQI-X21G-5G/WF(4)-A SM-V01	PCB	IPEX	2.94
2	ShenZhen NQI network communication ltd	NQI-X21G-5G/WF(4)-A SM-V01	PCB	IPEX	2.94

Note:

- 1) 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= $2.94+10\log(2)$ dBi=5.95.
- 2) The antenna gain is provided by the manufacturer.

4. Table for Antenna Configuration:

Operating Mode	TX Mode	1TX	2TX
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 11

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 11

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 5	TX N(HT20) Mode Channel 11

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) Mode Channel 11 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.

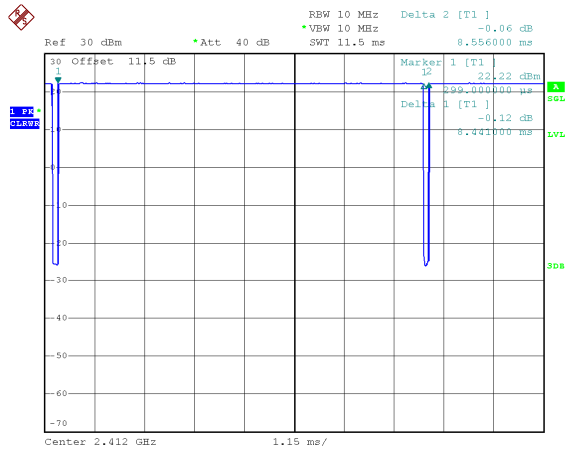
2.3 PARAMETERS OF TEST SOFTWARE

Test Software Version	MP_TEST 1.3.8.0		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	12	13	16
IEEE 802.11g	30	32	33
IEEE 802.11n(HT20)	38	37	46
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	33	33	40

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.

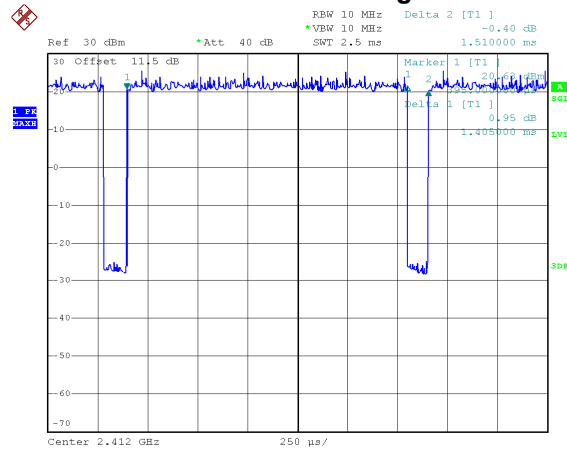
IEEE 802.11b



Date: 25.JAN.2022 09:50:04

Duty cycle = 8.441 ms / 8.556 ms = 98.66%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.00$

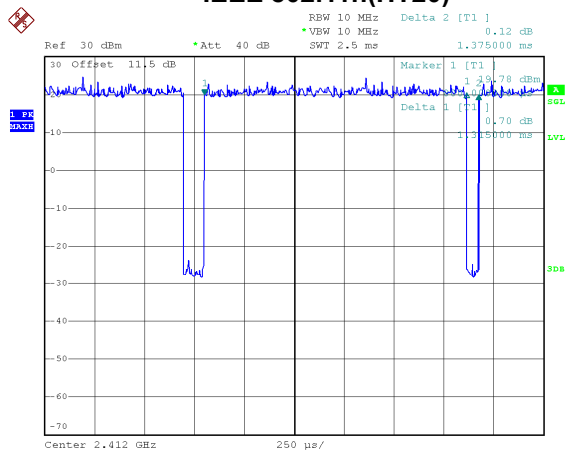
IEEE 802.11g



Date: 25.JAN.2022 10:10:13

Duty cycle = 1.405 ms / 1.510 ms = 93.05%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.31$

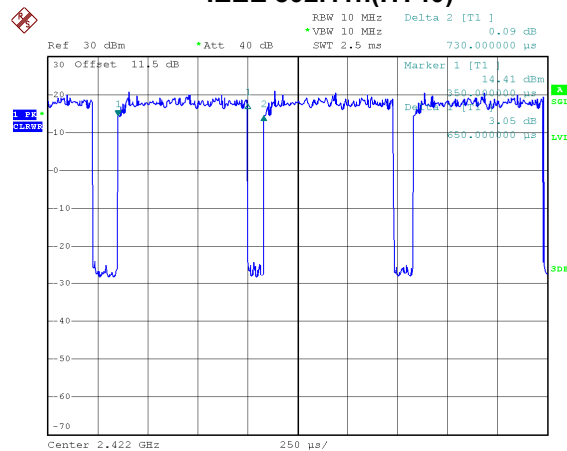
IEEE 802.11n(HT20)



Date: 25.JAN.2022 09:51:53

Duty cycle = 1.315 ms / 1.375 ms = 95.64%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.19$

IEEE 802.11n(HT40)



Date: 25.JAN.2022 09:56:55

Duty cycle = 0.650 ms / 0.730 ms = 89.04%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.50$

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 712 Hz.

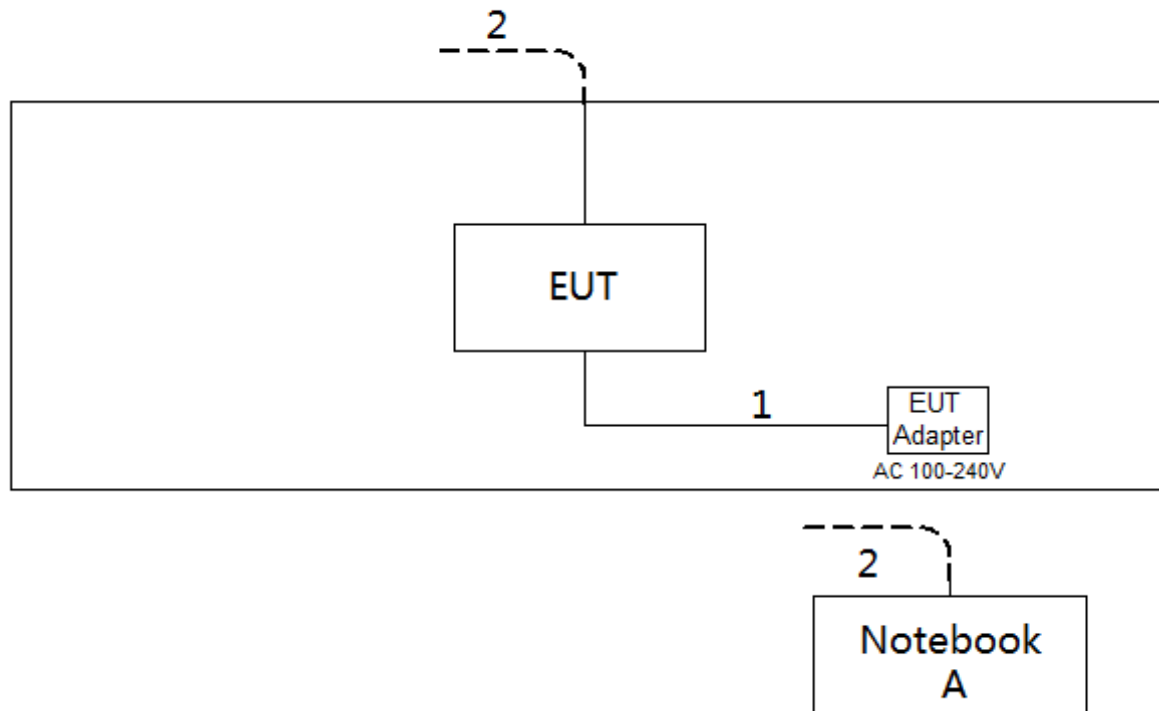
For IEEE 802.11n(HT20):

For radiated emissions frequency above 1 GHz, the resolution bandwidth of test receiver/spectrum analyzer is 1 MHz and the video bandwidth is 760 Hz.

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 1538 Hz.

2.5 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



2.6 SUPPORT UNITS

Item	Equipment	Brand	Model No.	Series No.
A	Notebook	Dell	Inspiron 15-7559	N/A

Item	Cable Type	Shielded Type	Ferrite Core	Length
1	DC Cable	NO	NO	1.5m
2	RJ45 Cable	NO	NO	10m

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.

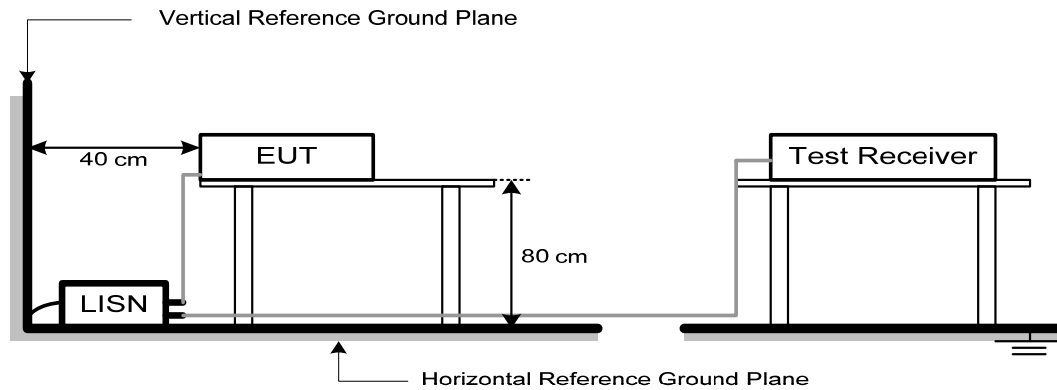
The following table is the setting of the receiver:

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

- 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)
- 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)
- 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.
- 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).
- 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.
- 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.
- 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)
- 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)
- 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

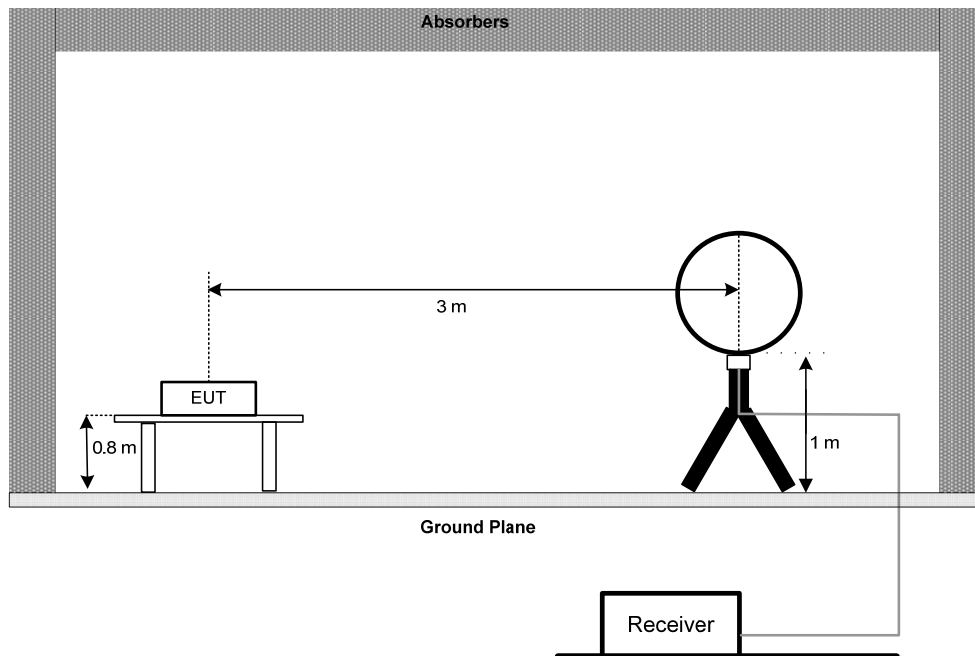
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30 MHz~1000 MHz for QP detector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

4.3 DEVIATION FROM TEST STANDARD

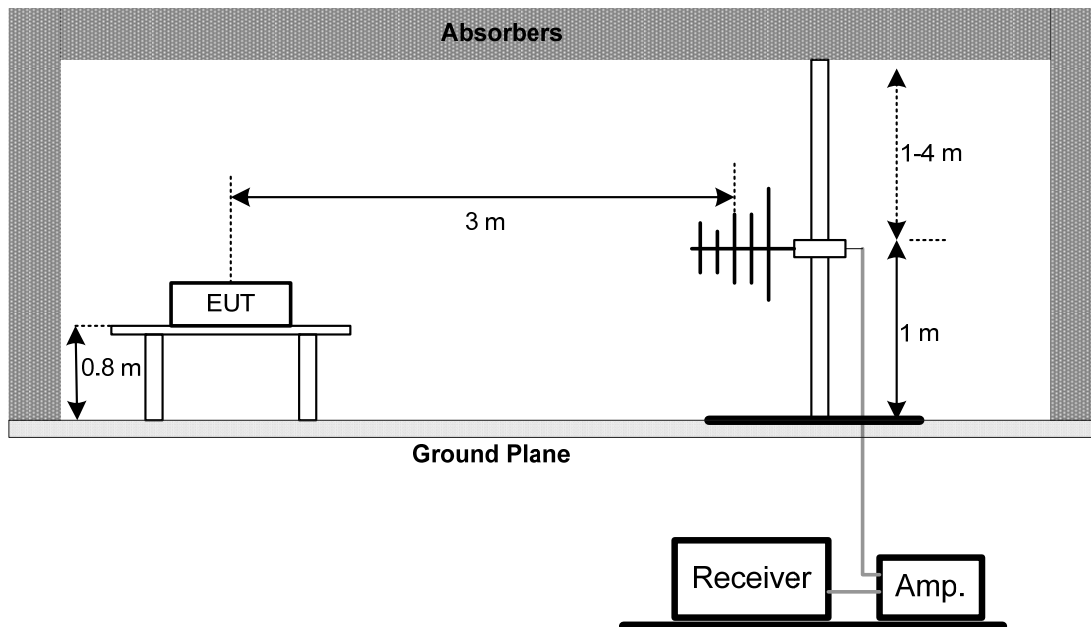
No deviation.

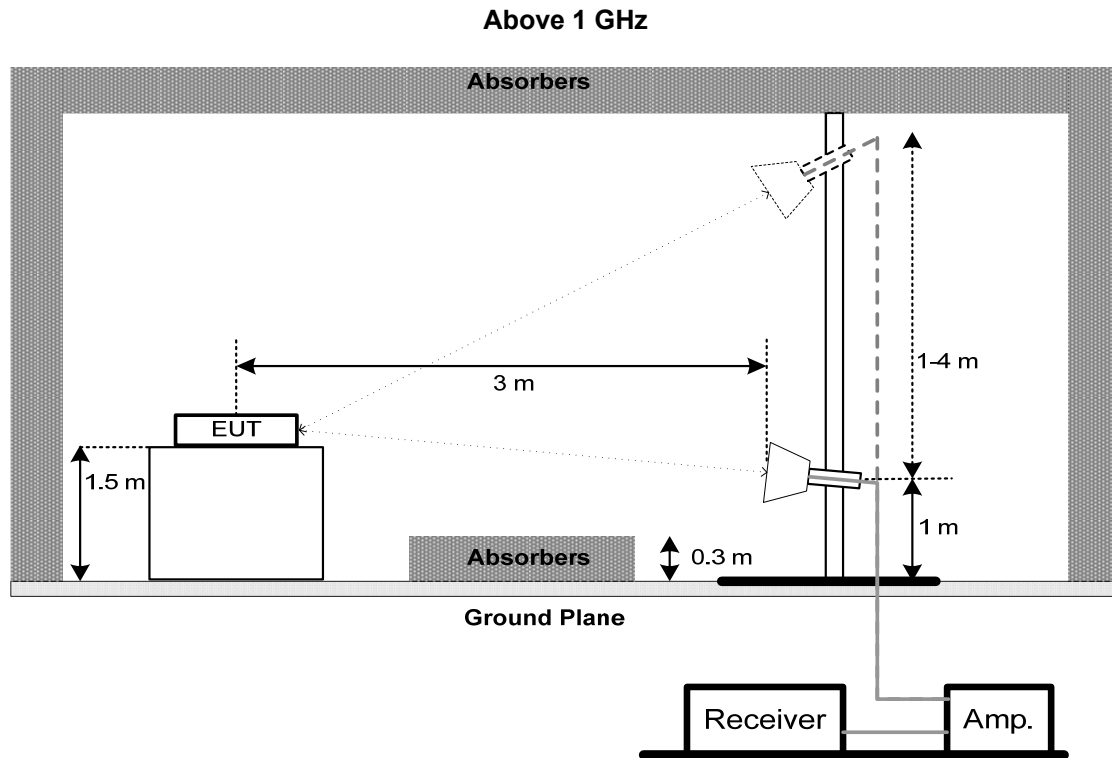
4.4 TEST SETUP

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

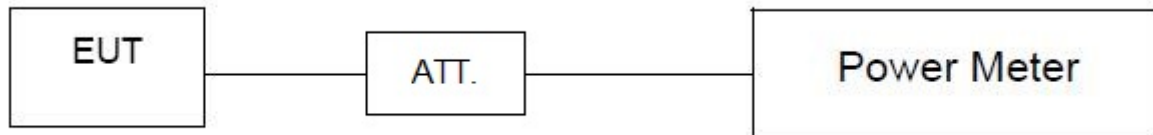
6.2 TEST PROCEDURE

- 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 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	Jan. 22, 2023
2	LISN	EMCO	3816/2	52765	Jan. 23, 2023
3	TWO-LINE V-NETWORK	R&S	ENV216	101447	Jan. 23, 2023
4	50Ω Terminator	SHX	TF5-3	15041305	N/A
5	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
6	Cable	N/A	RG223	12m	Mar. 08, 2023
7	643 Shield Room	ETS	6*4*3	N/A	N/A

Radiated Emissions - 9 kHz to 30 MHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	MXE EMI Receiver	Keysight	N9038A	MY56400091	Jan. 22, 2023
2	Antenna	EM	EM-6876-1	230	Apr. 28, 2022
3	Cable	N/A	RG 213/U(9kHz~1GHz)	N/A	May 27, 2022
4	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
5	966 Chamber Room	ETS	9*6*6	N/A	Jul. 17, 2022

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarzbeck	VULB9168	586	Feb. 11, 2023
2	Amplifier	HP	8447D	2944A08742	Jan. 22, 2023
3	Cable	emci	LMR-400	N/A	Nov. 30, 2022
4	Controller	CT	SC100	N/A	N/A
5	Controller	MF	MF-7802	MF780208416	N/A
6	Receiver	Agilent	N9038A	MY52130039	Jan. 22, 2023
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	966 Chamber Room	RM	9*6*6	N/A	Jul. 24, 2022

Radiated Emissions - Above 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Double Ridged Horn Antenna	ARA	DRG-118A	16554	Apr. 21, 2022
2	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Jun. 30, 2022
3	Amplifier	Agilent	8449B	3008A02584	Jul. 10, 2022
4	Controller	CT	SC100	N/A	N/A
5	Controller	MF	MF-7802	MF780208416	N/A
6	Receiver	Agilent	N9038A	MY52130039	Jan. 22, 2023
7	EXA Spectrum Analyzer	Keysight	N9010A	MY56480488	Jan. 22, 2023
8	Low Noise Amplifier	CONNPHY	CLN-18G40G-4330-K	619413	Jul. 16, 2022
9	Cable	N/A	A81-SMAMSMAM-12.5M	N/A	Oct. 15, 2022
10	Cable	Talent microwave	A40-2.92M2.92M-2.5M	N/A	Nov. 30, 2022
11	Filter	STI	STI15-9912	N/A	Jul. 10, 2022
12	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
13	966 Chamber Room	RM	9*6*6	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	N/A
3	RF Cable	Tongkaichuan	N/A	N/A	N/A
4	DC Block	Mini	N/A	N/A	N/A

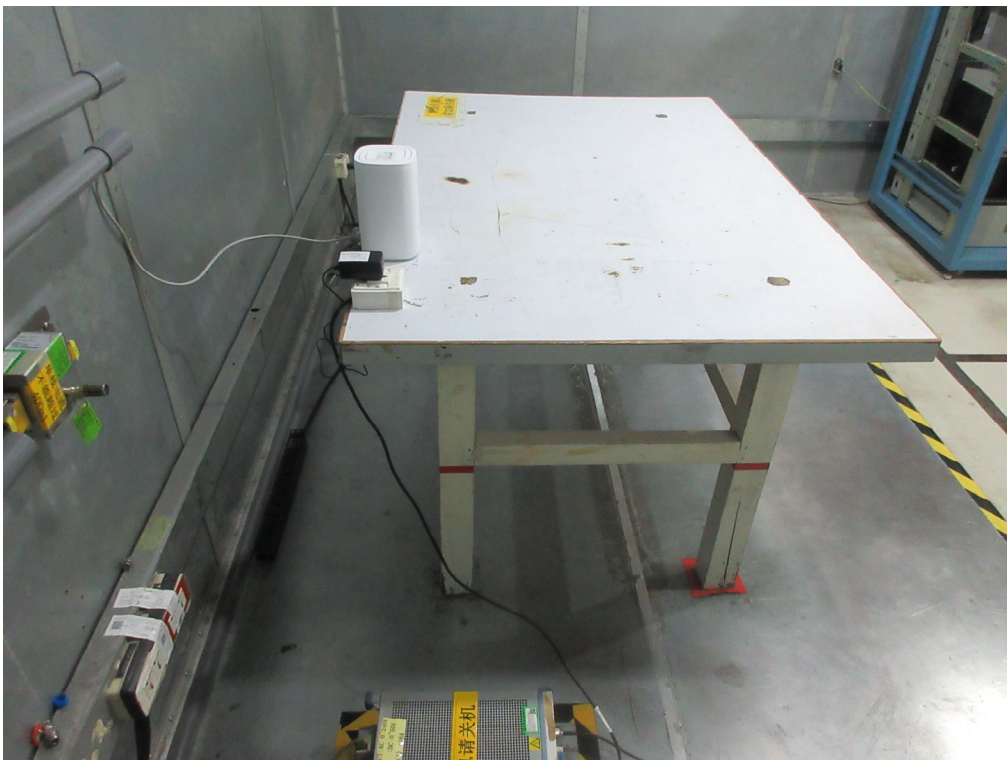
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	Jul. 10, 2022
2	Wideband power sensor	Keysight	N1923A	MY58310004	Jul. 10, 2022
3	Attenuator	WOKEN	6SM3502	VAS1214NL	N/A
4	RF Cable	Tongkaichuan	N/A	N/A	N/A

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

All calibration period of equipment list is one year.

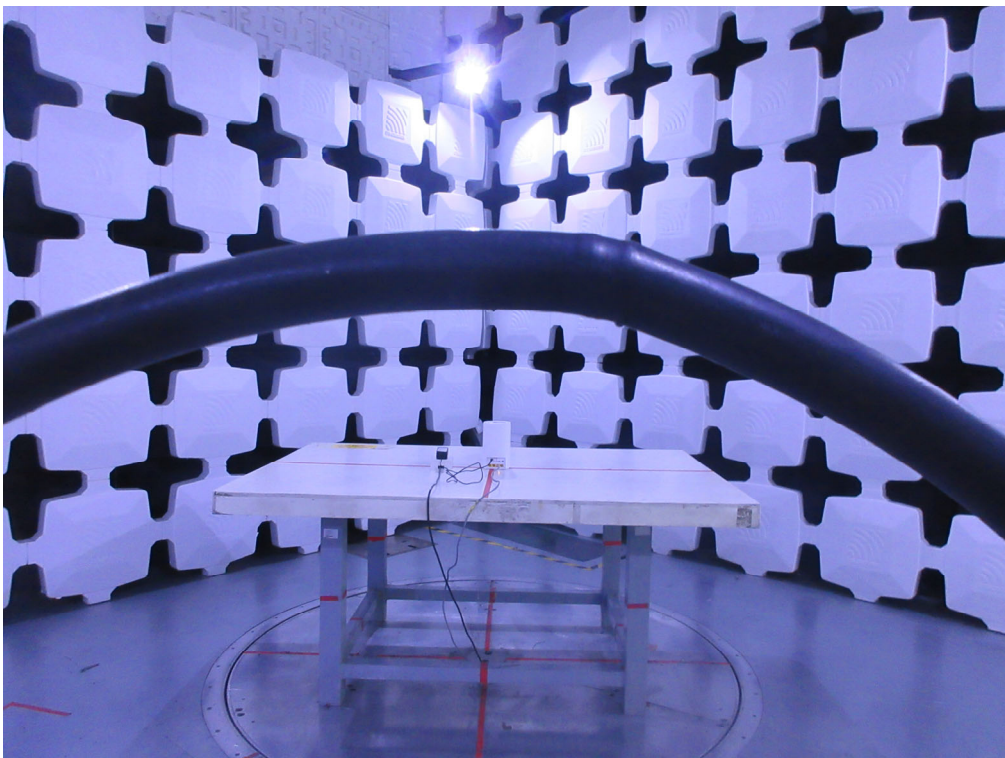
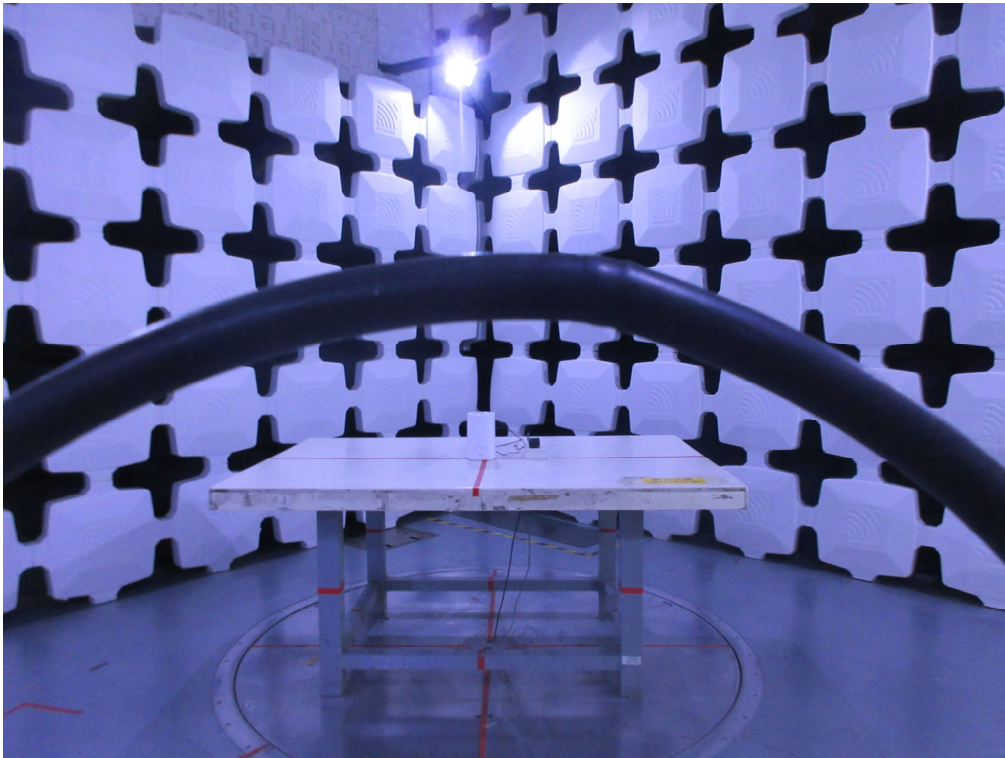
10. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos



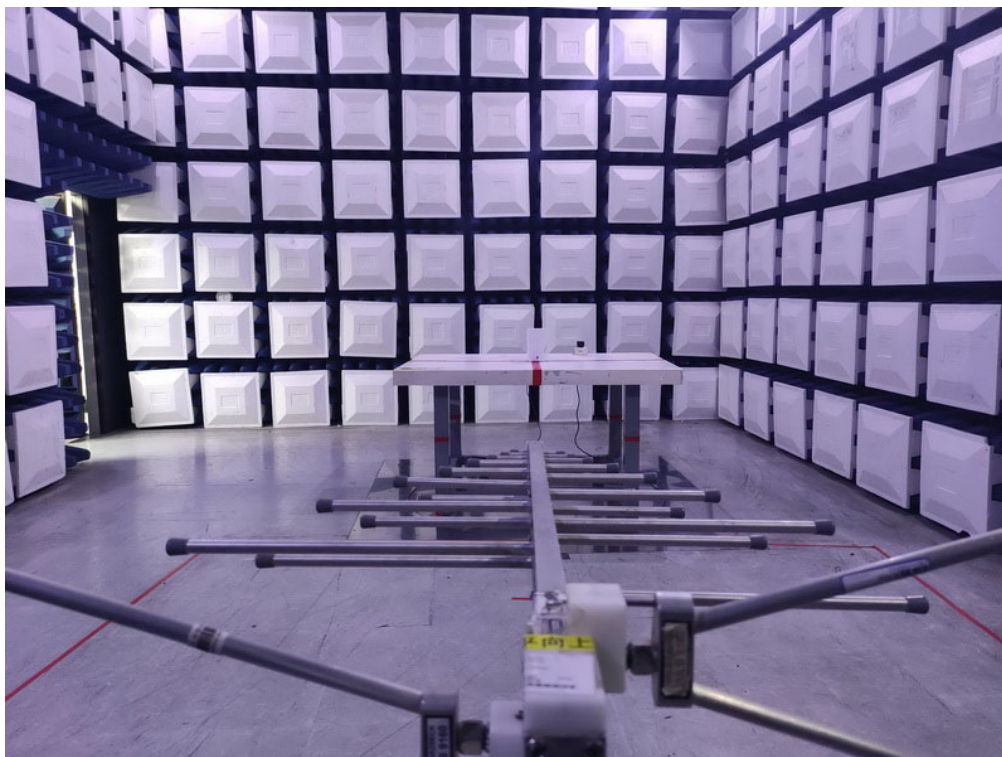
Radiated Emissions Test Photos

9 kHz to 30 MHz



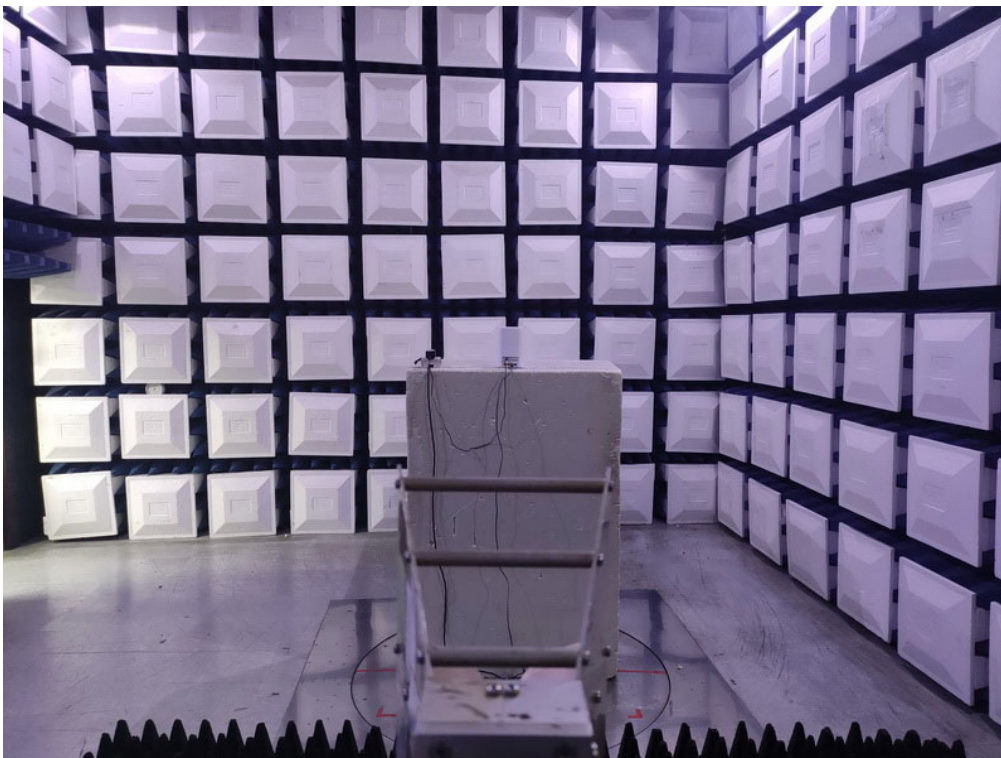
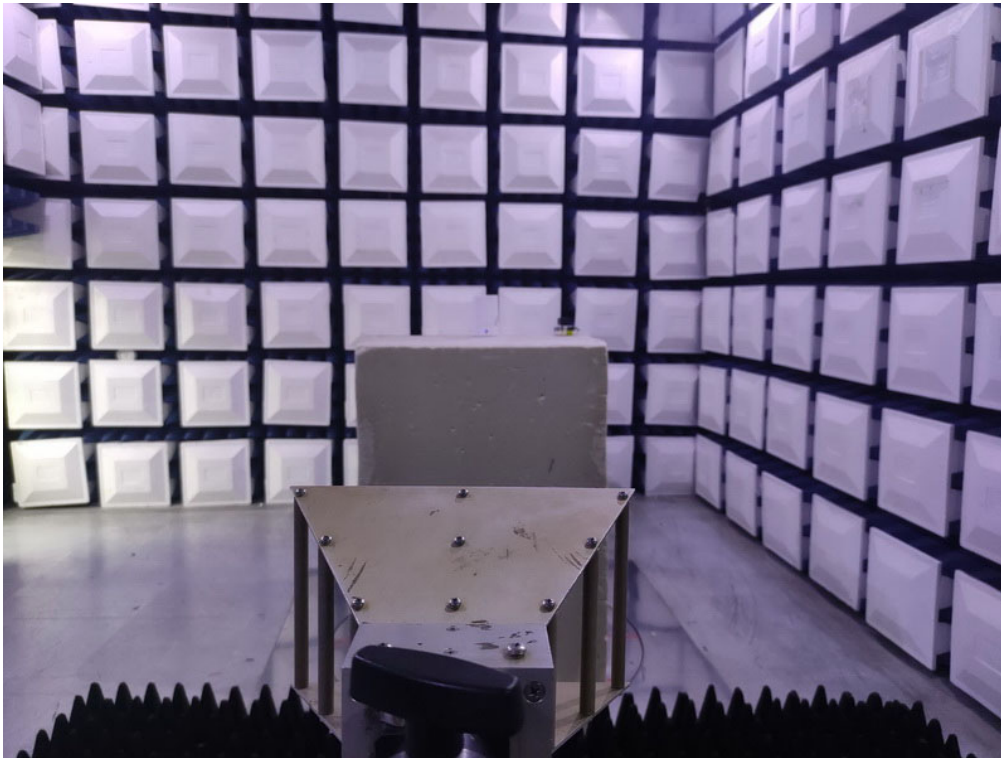
Radiated Emissions Test Photos

30 MHz to 1 GHz

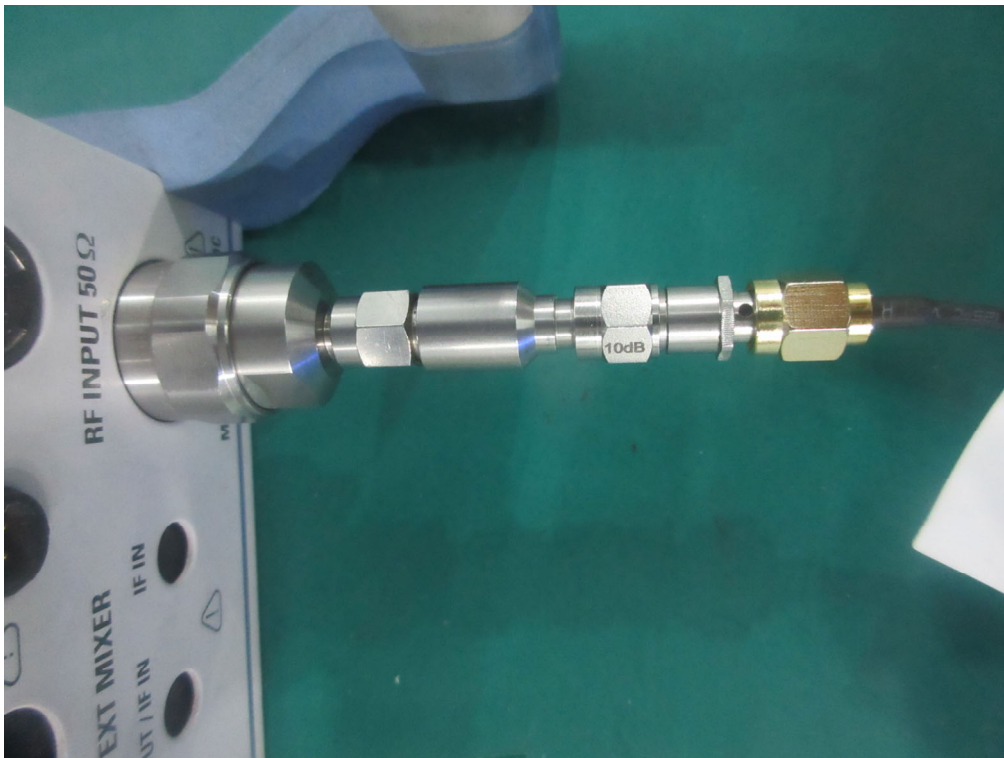
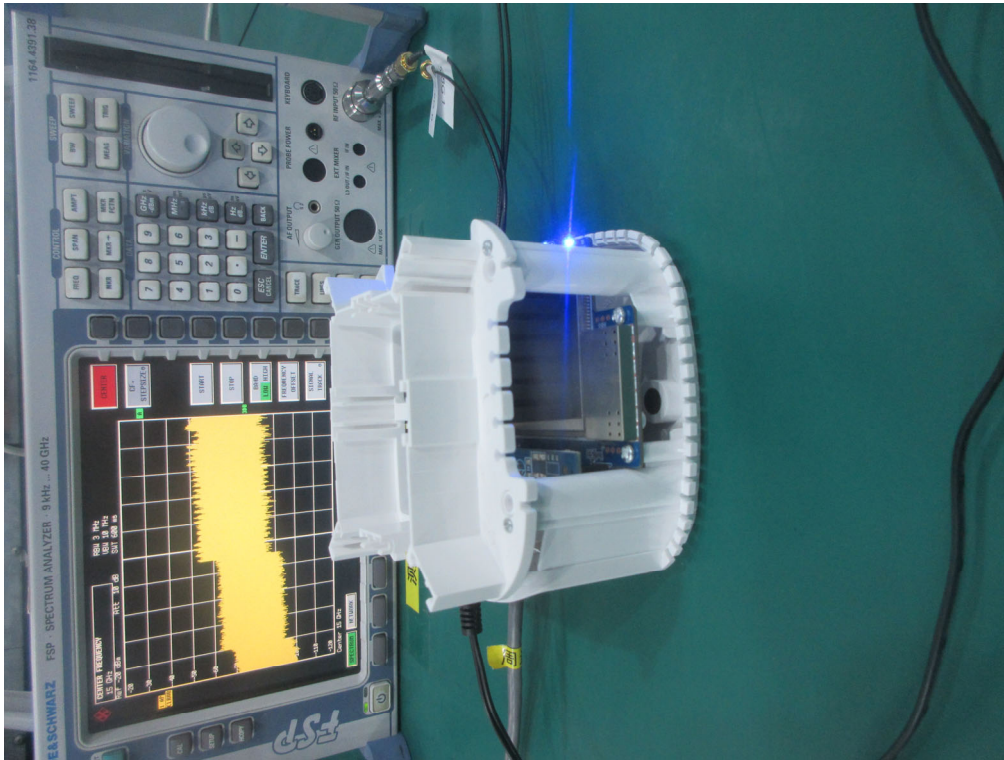


Radiated Emissions Test Photos

Above 1 GHz

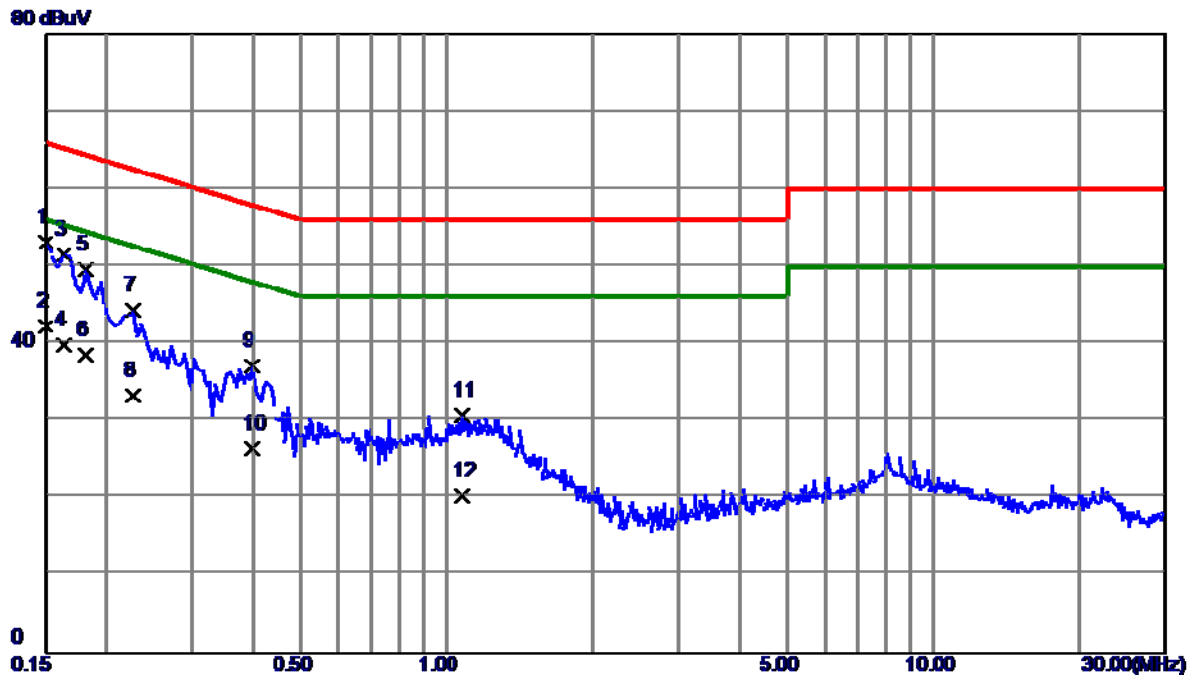


Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX N(HT20) Mode Channel 11	Phase	Line
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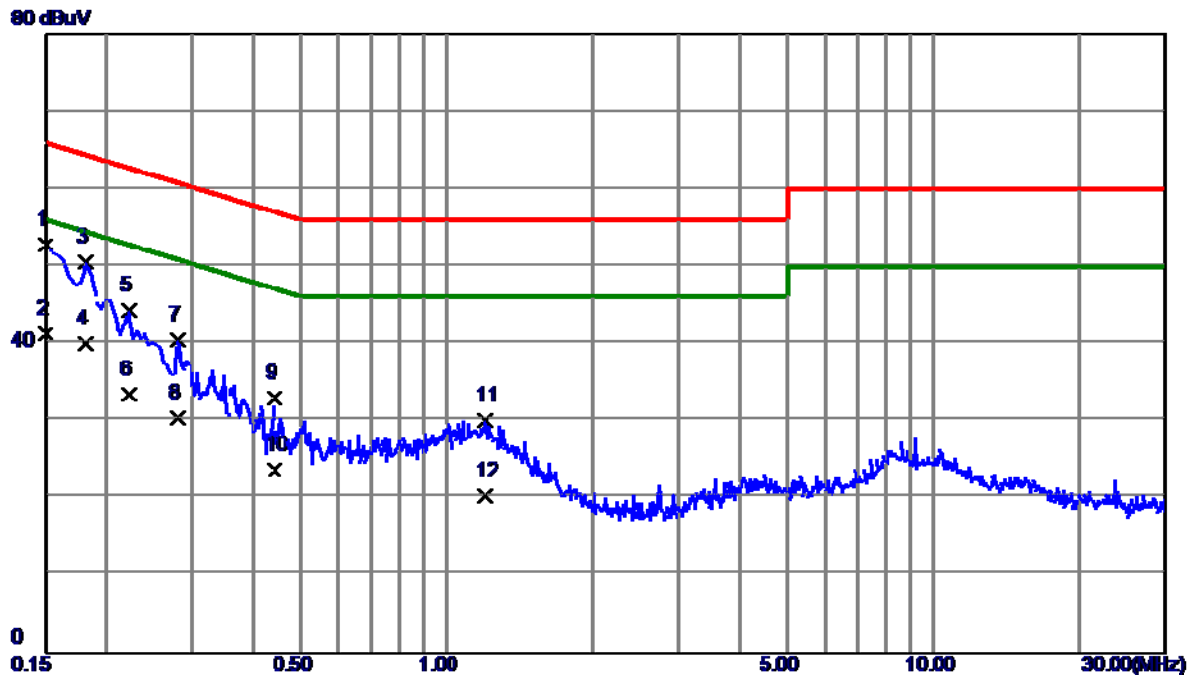


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1500	43.34	9.78	53.12	66.00	-12.88	QP	
2	0.1500	32.50	9.78	42.28	56.00	-13.72	AVG	
3	0.1635	41.68	9.79	51.47	65.28	-13.81	QP	
4	0.1635	30.00	9.79	39.79	55.28	-15.49	AVG	
5	0.1815	39.84	9.80	49.64	64.42	-14.78	QP	
6	0.1815	28.70	9.80	38.50	54.42	-15.92	AVG	
7	0.2265	34.49	9.82	44.31	62.58	-18.27	QP	
8	0.2265	23.40	9.82	33.22	52.58	-19.36	AVG	
9	0.3975	27.23	9.86	37.09	57.91	-20.82	QP	
10	0.3975	16.50	9.86	26.36	47.91	-21.55	AVG	
11	1.0770	20.63	10.04	30.67	56.00	-25.33	QP	
12	1.0770	10.30	10.04	20.34	46.00	-25.66	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode Channel 11	Phase	Neutral
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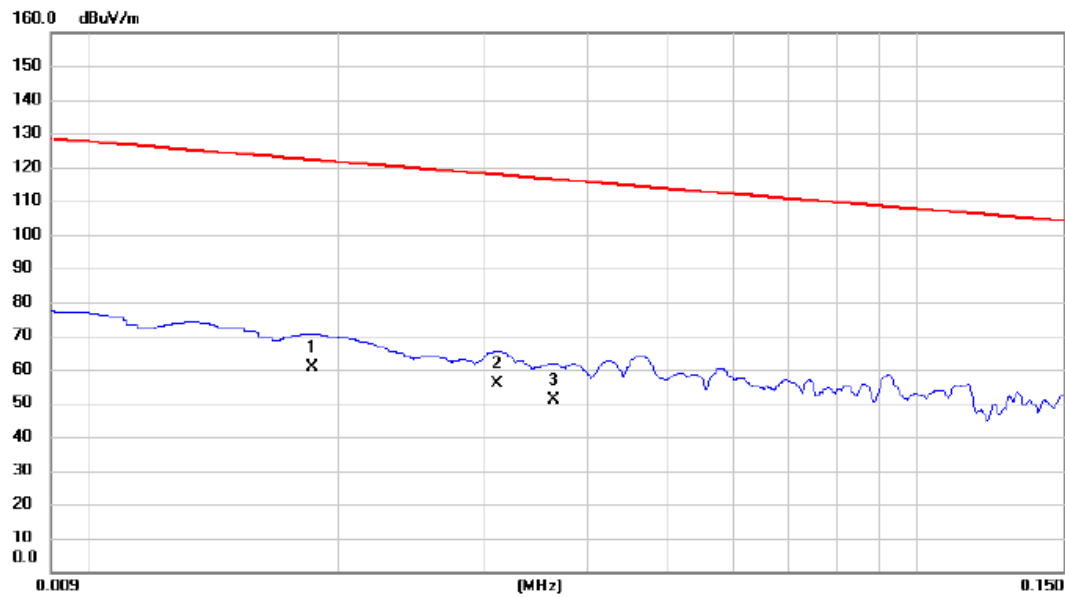
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1500	42.95	9.82	52.77	66.00	-13.23	QP	
2	0.1500	31.50	9.82	41.32	56.00	-14.68	AVG	
3	0.1815	40.72	9.84	50.56	64.42	-13.86	QP	
4	0.1815	30.20	9.84	40.04	54.42	-14.38	AVG	
5	0.2220	34.53	9.85	44.38	62.74	-18.36	QP	
6	0.2220	23.60	9.85	33.45	52.74	-19.29	AVG	
7	0.2805	30.54	9.87	40.41	60.80	-20.39	QP	
8	0.2805	20.50	9.87	30.37	50.80	-20.43	AVG	
9	0.4425	23.10	9.93	33.03	57.01	-23.98	QP	
10	0.4425	13.69	9.93	23.62	47.01	-23.39	AVG	
11	1.1985	19.95	10.16	30.11	56.00	-25.89	QP	
12	1.1985	10.10	10.16	20.26	46.00	-25.74	AVG	

REMARKS:

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

APPENDIX B - RADIATED EMISSION - 9 KHZ TO 30 MHZ

Test Mode	TX N(HT20) Mode Channel 11	Polarization	Ant 0°
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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	*	0.0186	45.85	14.73	60.58	122.21	-61.63	AVG	
2		0.0311	41.96	14.03	55.99	117.75	-61.76	AVG	
3		0.0364	37.11	13.91	51.02	116.38	-65.36	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode Channel 11	Polarization	Ant 0°
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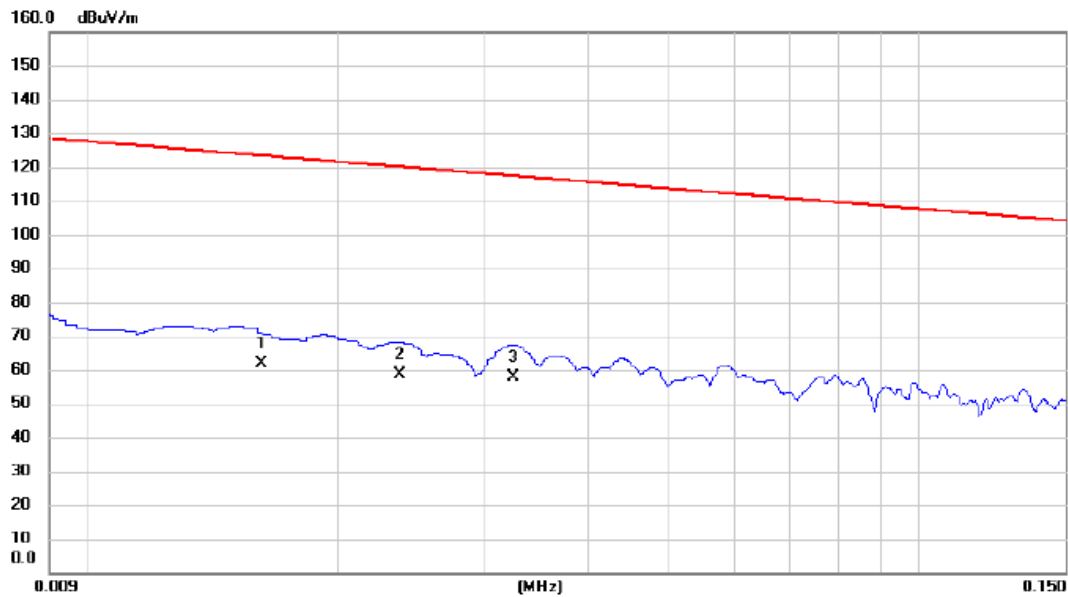
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.2694	50.21	13.58	63.79	99.00	-35.21	AVG	
2		0.9560	33.63	12.86	46.49	68.00	-21.51	QP	
3	*	2.0903	40.15	12.05	52.20	69.54	-17.34	QP	

REMARKS:

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

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

Test Mode	TX N(HT20) Mode Channel 11	Polarization	Ant 90°
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No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0162	46.21	15.49	61.70	123.41	-61.71	AVG	
2		0.0237	44.55	14.20	58.75	120.11	-61.36	AVG	
3	*	0.0325	43.82	14.00	57.82	117.37	-59.55	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode Channel 11	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	Comment
1		0.4485	34.85	13.40	48.25	94.57	-46.32	AVG	
2		1.3740	25.87	12.55	38.42	64.84	-26.42	QP	
3	*	2.1500	35.39	12.03	47.42	69.54	-22.12	QP	

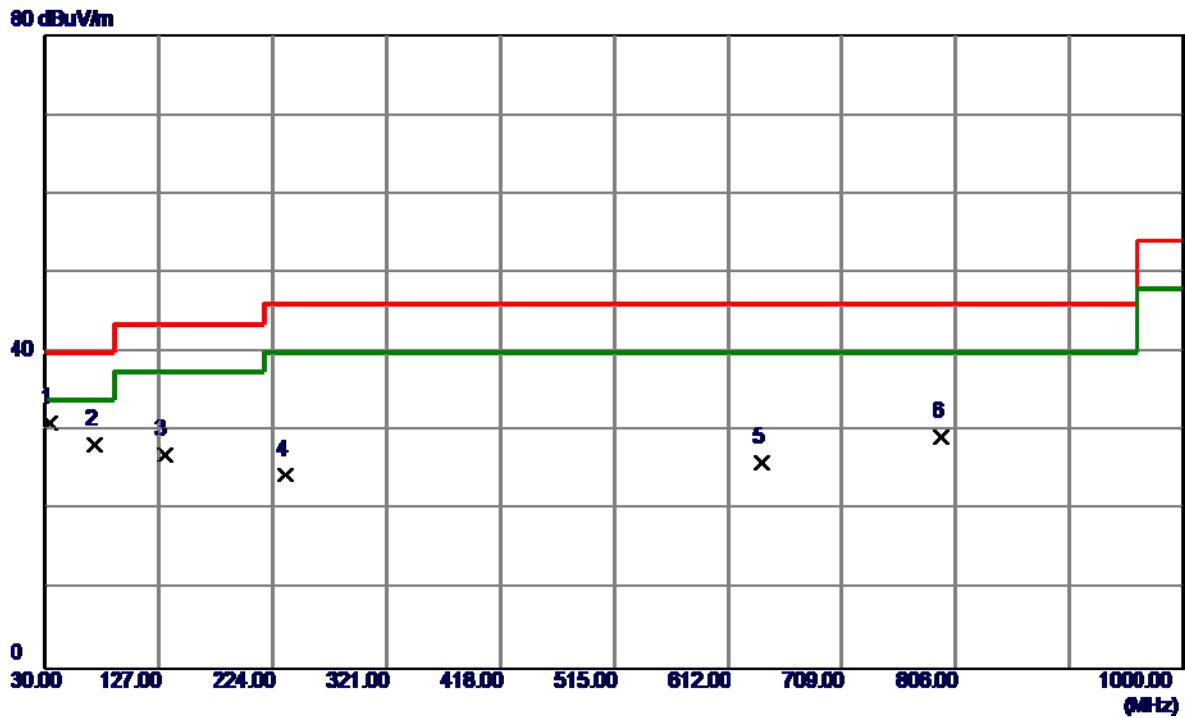
REMARKS:

(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 B Mode Channel 06	Polarization	Vertical
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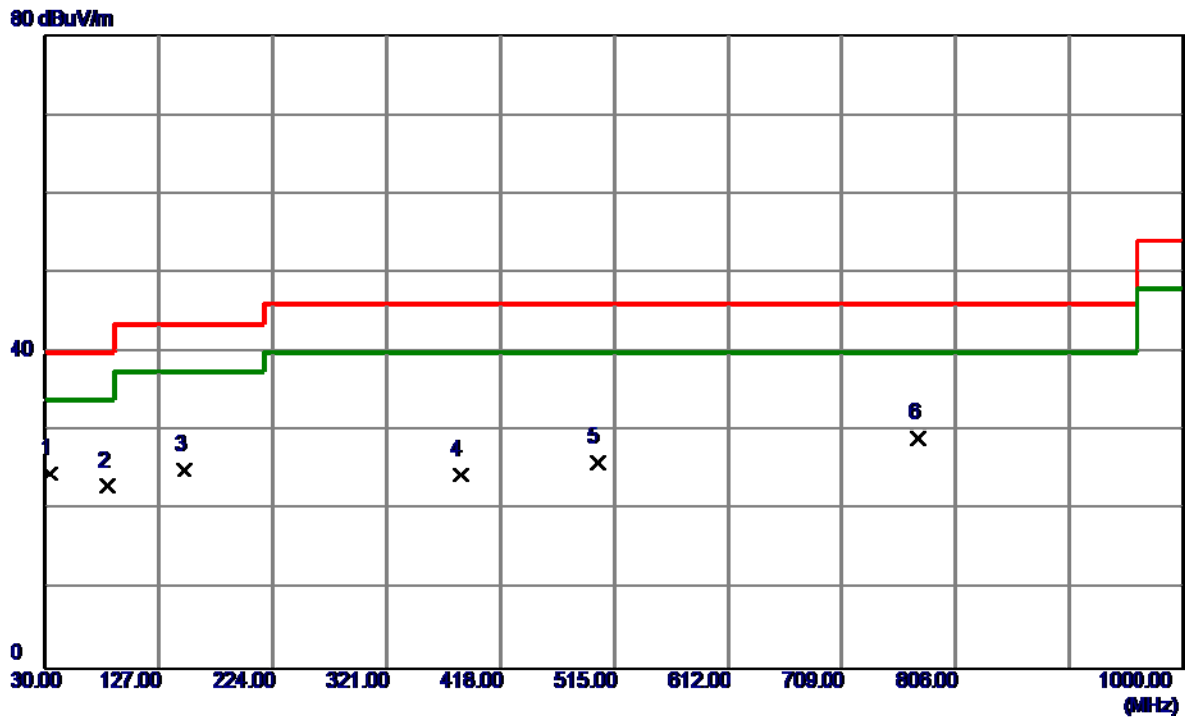


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	33.8800	46.18	-15.08	31.10	40.00	-8.90	Peak	
2	71.7100	44.98	-16.59	28.39	40.00	-11.61	Peak	
3	131.8500	40.27	-13.30	26.97	43.50	-16.53	Peak	
4	234.6700	38.16	-13.68	24.48	46.00	-21.52	Peak	
5	641.1000	29.99	-3.88	26.11	46.00	-19.89	Peak	
6	794.3600	30.17	-0.82	29.35	46.00	-16.65	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
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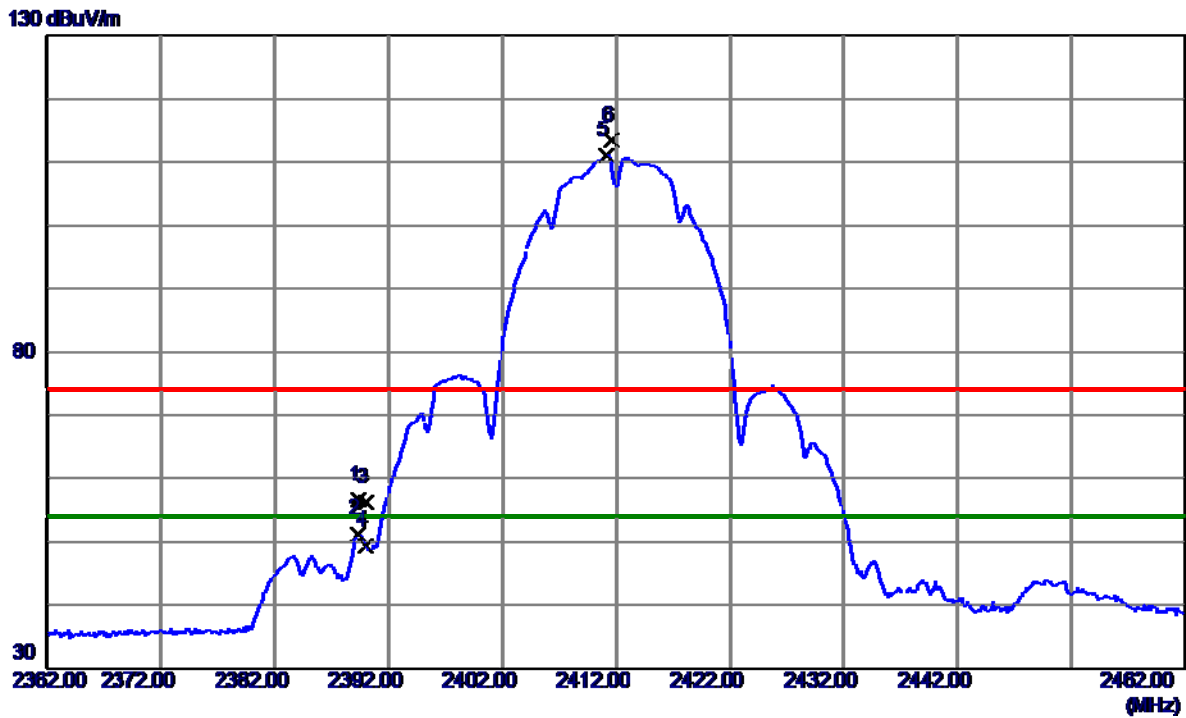
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	33.8800	39.65	-15.08	24.57	40.00	-15.43	Peak	
2	82.3800	41.53	-18.52	23.01	40.00	-16.99	Peak	
3	148.3400	37.76	-12.67	25.09	43.50	-18.41	Peak	
4	384.0500	33.62	-9.16	24.46	46.00	-21.54	Peak	
5	500.4500	32.66	-6.54	26.12	46.00	-19.88	Peak	
6	773.9900	30.53	-1.34	29.19	46.00	-16.81	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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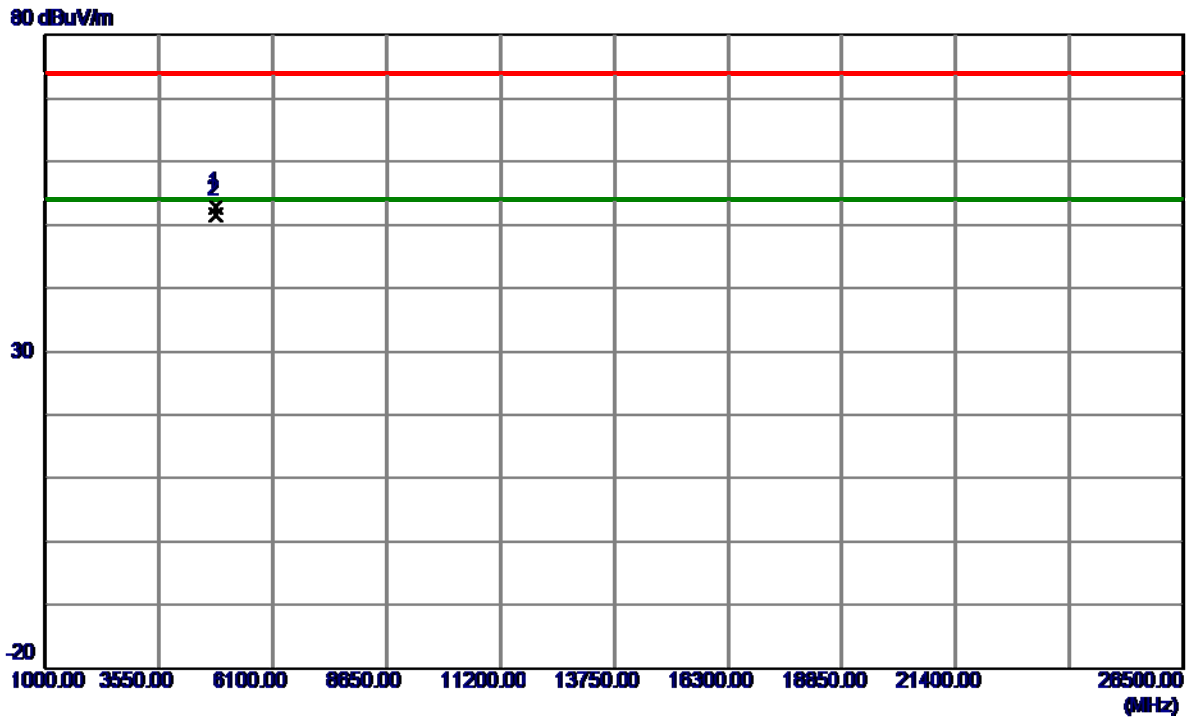


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.3000	51.26	5.43	56.69	74.00	-17.31	Peak	
2	2389.3000	45.73	5.43	51.16	54.00	-2.84	AVG	
3	2390.0000	50.80	5.44	56.24	74.00	-17.76	Peak	
4	2390.0000	43.91	5.44	49.35	54.00	-4.65	AVG	
5 *	2411.1500	105.46	5.49	110.95	54.00	56.95	AVG	No Limit
6	2411.6000	107.88	5.49	113.37	74.00	39.37	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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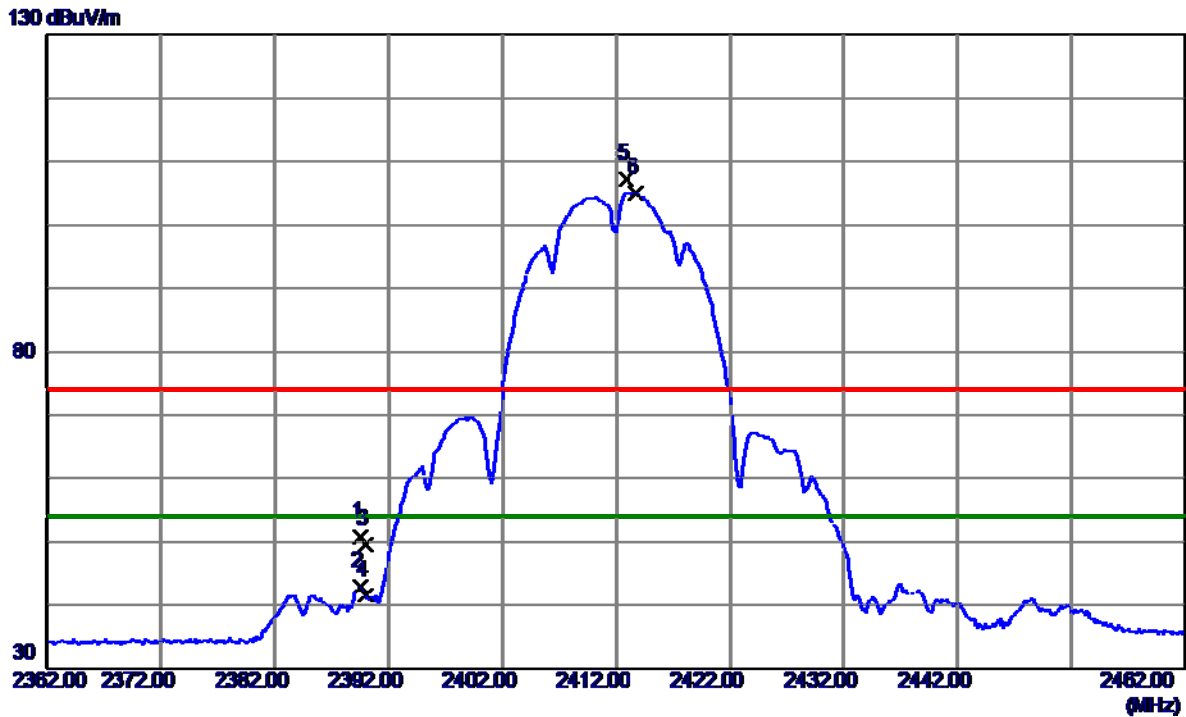


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.8300	50.69	2.07	52.76	74.00	-21.24	Peak	
2 *	4823.9200	49.57	2.07	51.64	54.00	-2.36	AVG	

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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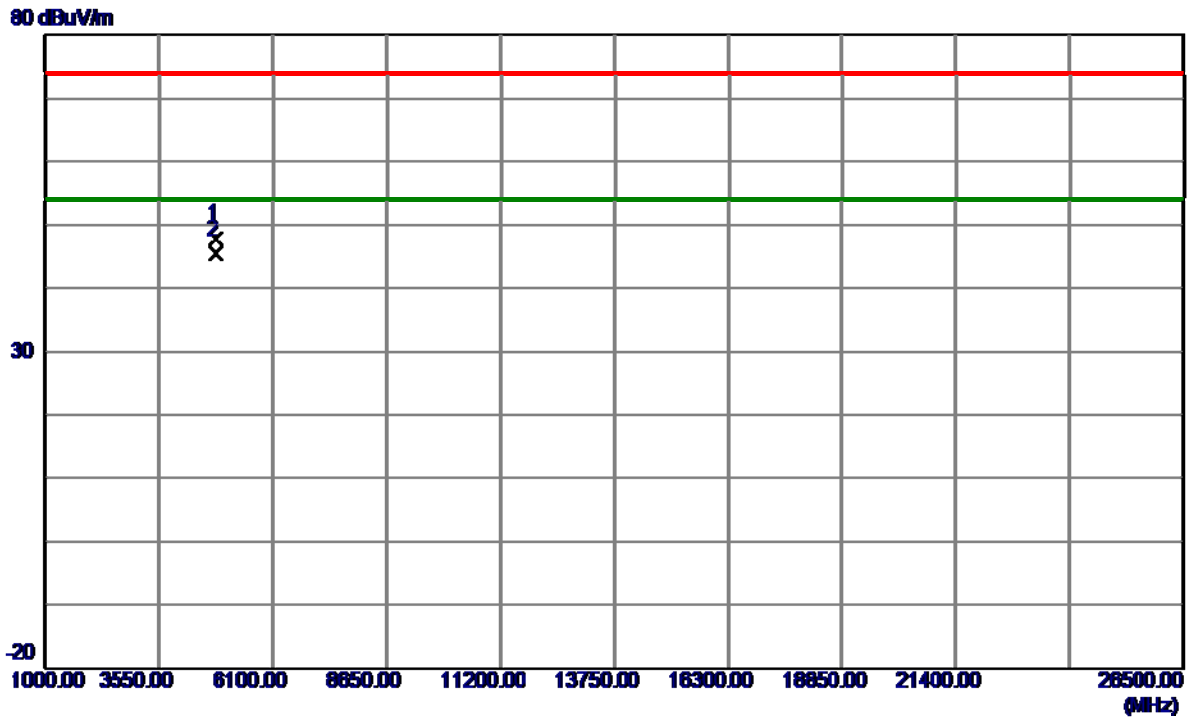


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2389.5500	45.44	5.43	50.87	74.00	-23.13	Peak	
2	2389.5500	37.63	5.43	43.06	54.00	-10.94	AVG	
3	2390.0000	44.23	5.44	49.67	74.00	-24.33	Peak	
4	2390.0000	36.10	5.44	41.54	54.00	-12.46	AVG	
5	2412.8500	101.79	5.50	107.29	74.00	33.29	Peak	No Limit
6 *	2413.7500	99.52	5.50	105.02	54.00	51.02	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
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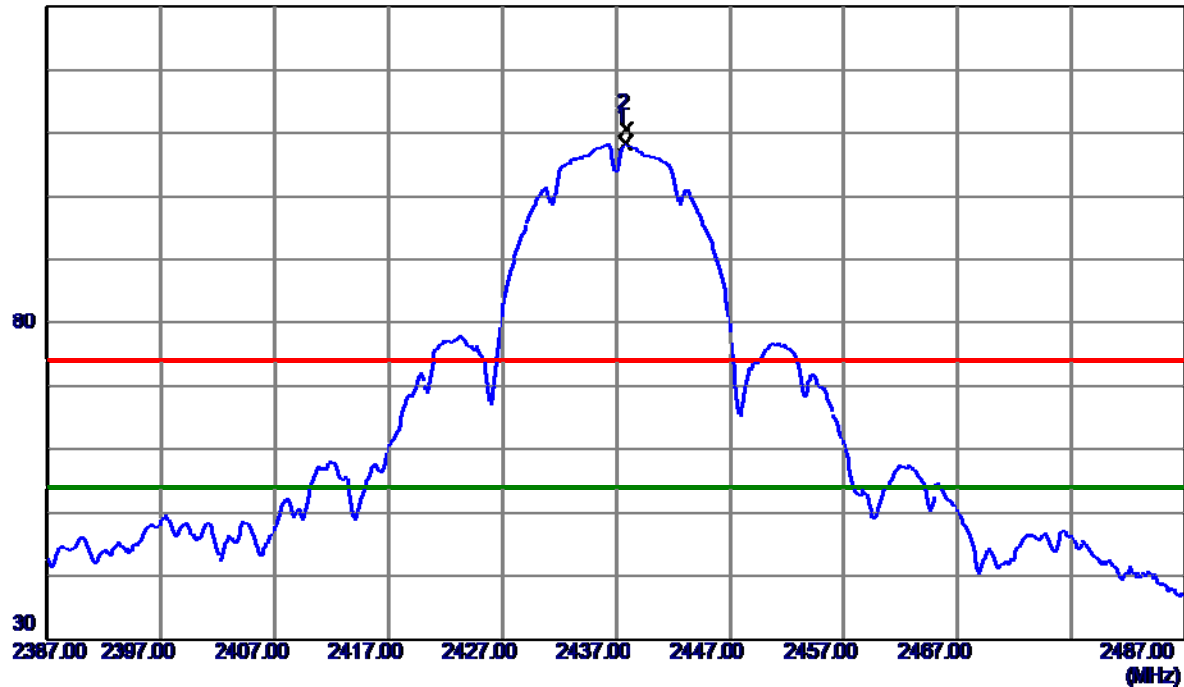
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4823.8400	45.64	2.07	47.71	74.00	-26.29	Peak	
2 *	4823.9200	43.23	2.07	45.30	54.00	-8.70	AVG	

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



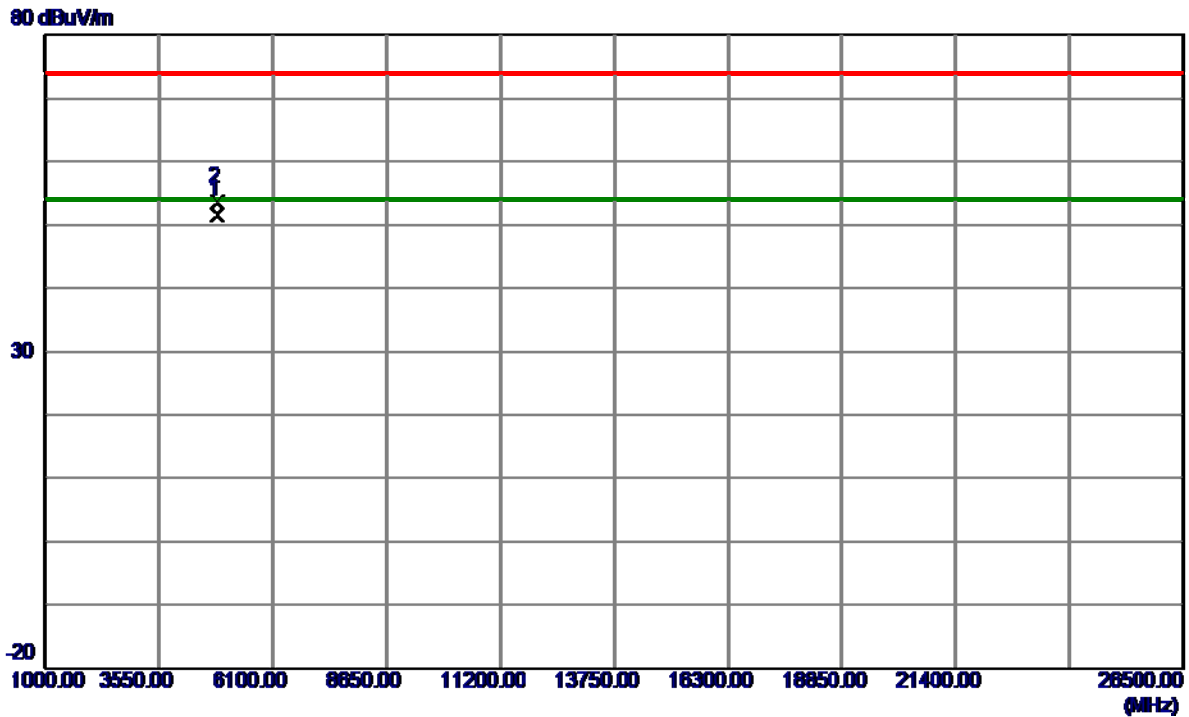
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2437.8000	102.77	5.56	108.33	54.00	54.33	AVG	No Limit
2	2437.8500	104.97	5.56	110.53	74.00	36.53	Peak	No Limit

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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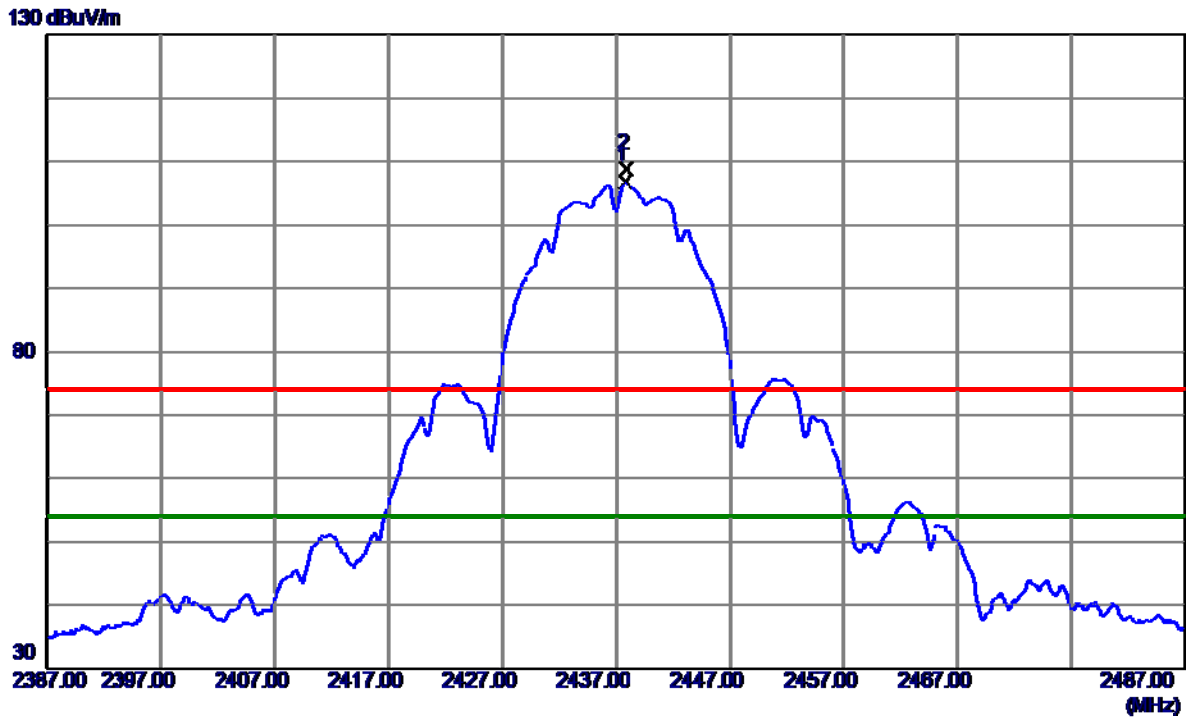


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4865.8500	49.46	2.19	51.65	54.00	-2.35	AVG	
2	4865.8700	51.43	2.19	53.62	74.00	-20.38	Peak	

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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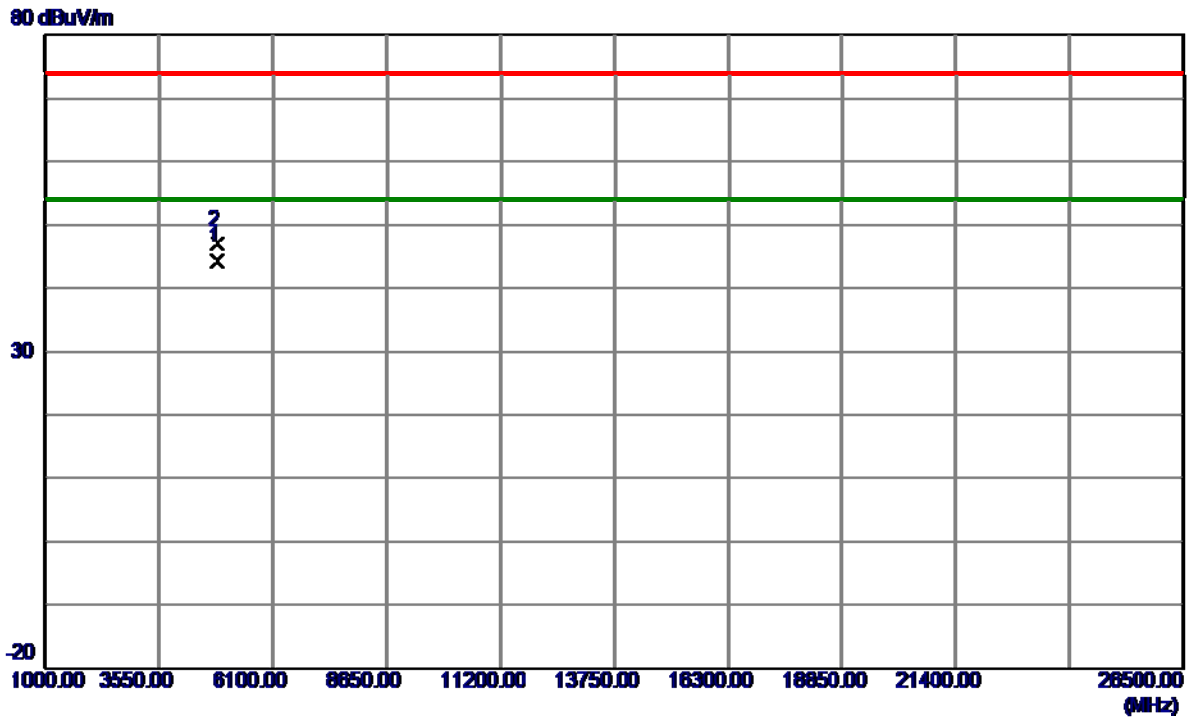


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2437.7500	101.15	5.56	106.71	54.00	52.71	AVG	No Limit
2	2437.8500	103.31	5.56	108.87	74.00	34.87	Peak	No Limit

REMARKS:

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

Test Mode	TX B Mode 2437 MHz	Polarization	Horizontal
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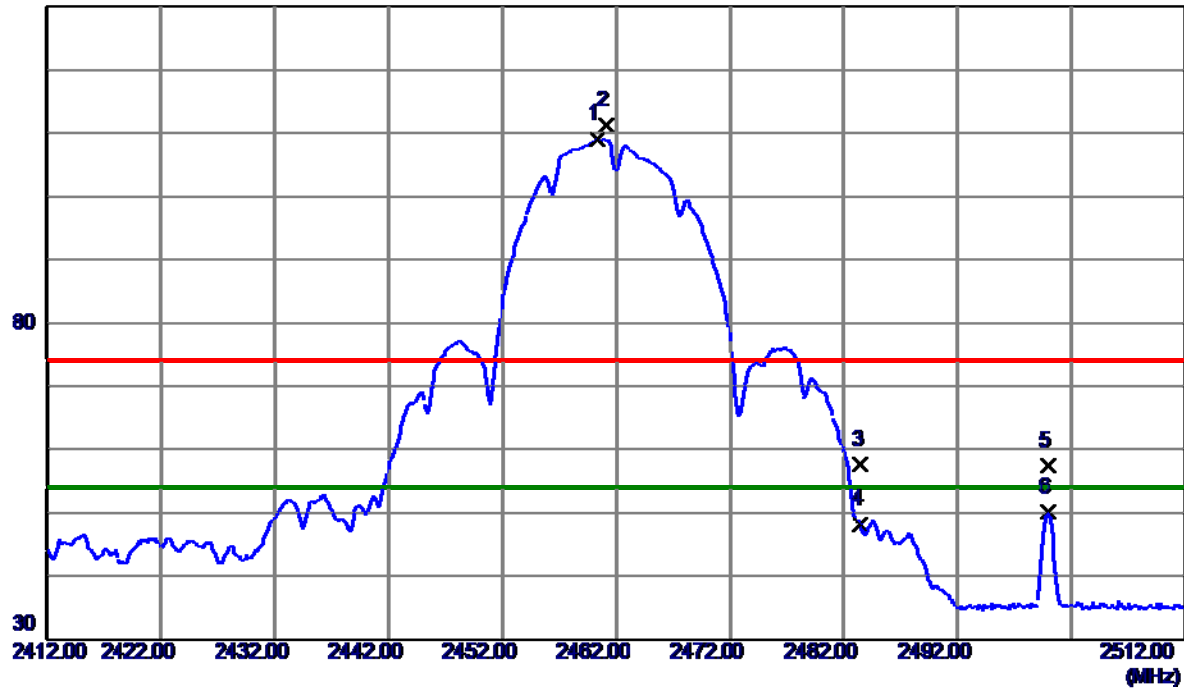
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4865.9000	41.98	2.19	44.17	54.00	-9.83	AVG	
2	4865.9400	44.71	2.19	46.90	74.00	-27.10	Peak	

REMARKS:

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

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

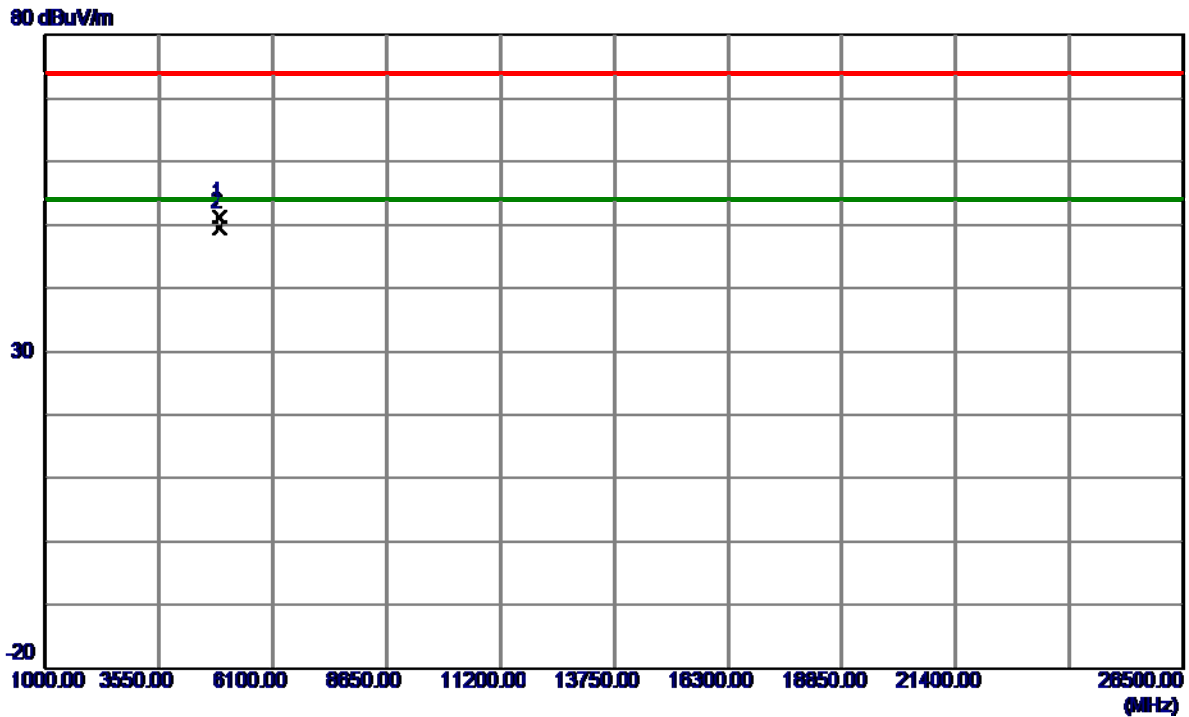


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2460.3000	103.31	5.62	108.93	54.00	54.93	AVG	No Limit
2	2461.1000	105.49	5.62	111.11	74.00	37.11	Peak	No Limit
3	2483.5000	51.84	5.68	57.52	74.00	-16.48	Peak	
4	2483.5000	42.51	5.68	48.19	54.00	-5.81	AVG	
5	2499.9500	51.69	5.72	57.41	74.00	-16.59	Peak	
6	2499.9500	44.38	5.72	50.10	54.00	-3.90	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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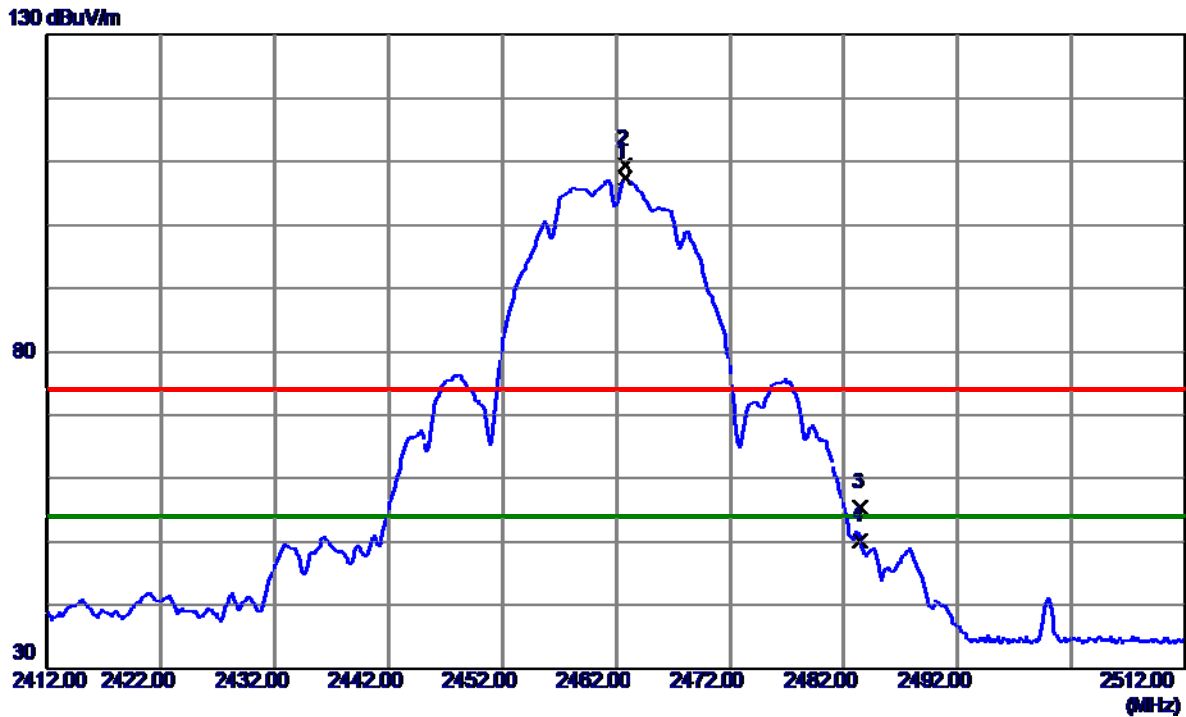


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4923.8100	48.83	2.37	51.20	74.00	-22.80	Peak	
2 *	4923.9100	47.32	2.37	49.69	54.00	-4.31	AVG	

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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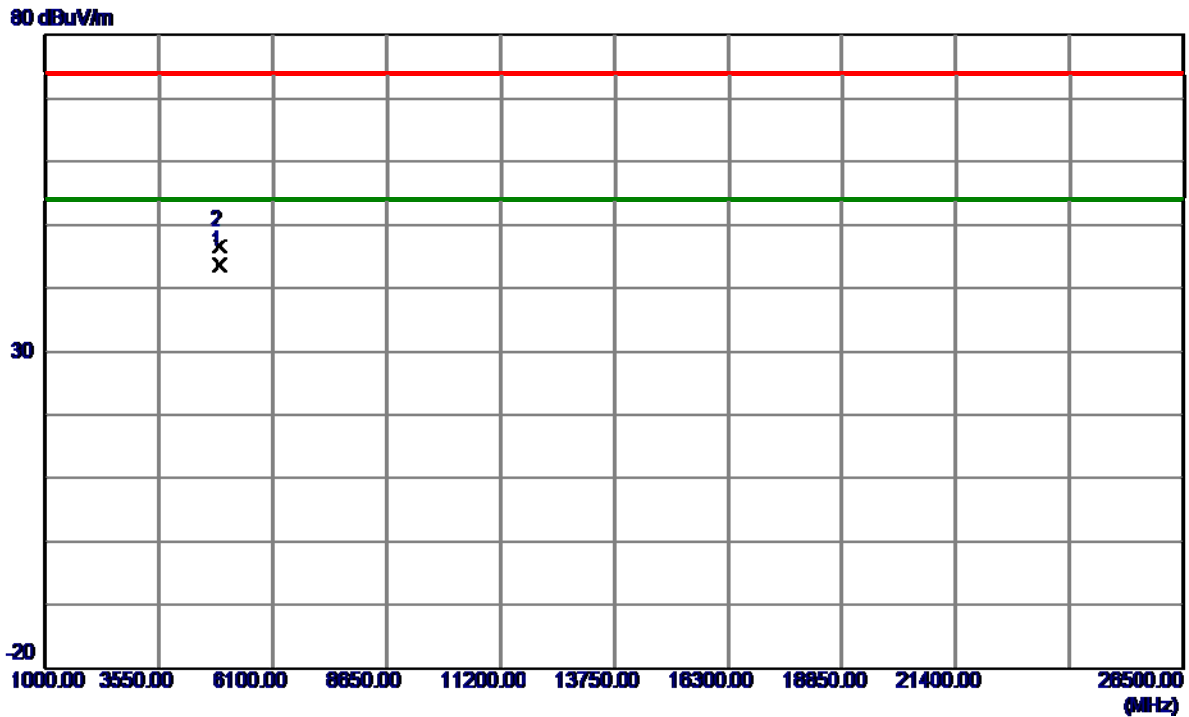


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2462.7500	101.72	5.62	107.34	54.00	53.34	AVG	No Limit
2	2462.8000	103.72	5.62	109.34	74.00	35.34	Peak	No Limit
3	2483.5000	49.73	5.68	55.41	74.00	-18.59	Peak	
4	2483.5000	44.61	5.68	50.29	54.00	-3.71	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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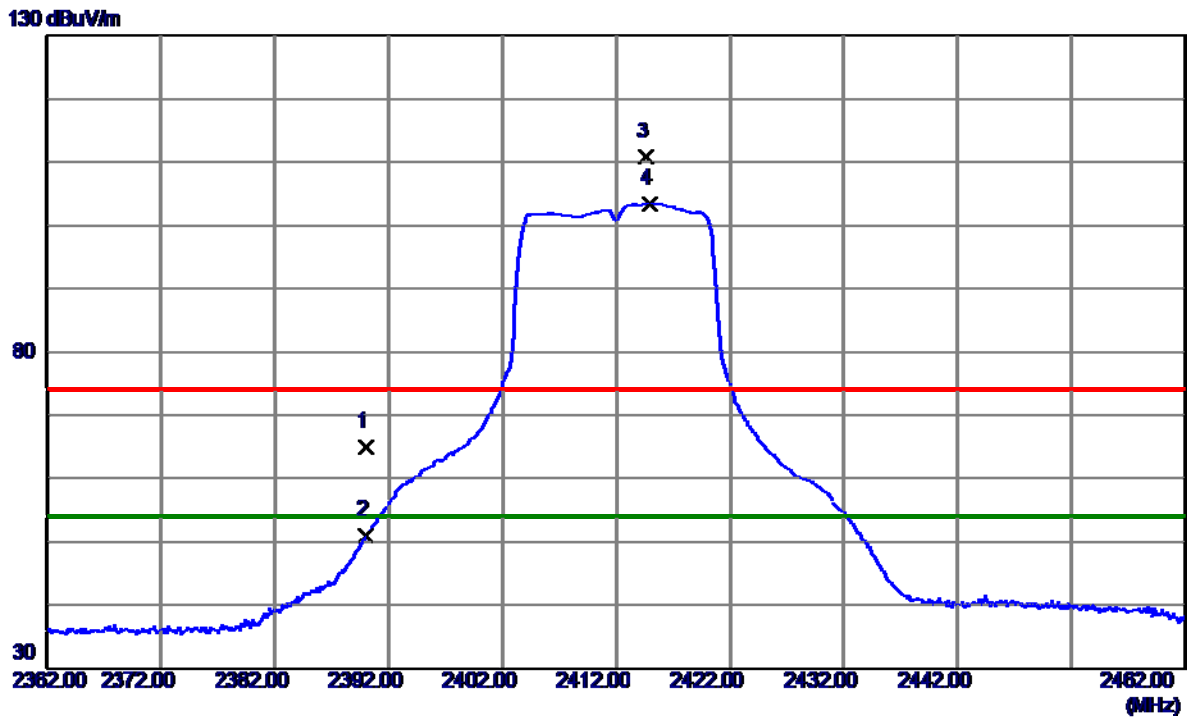


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4923.9300	41.15	2.37	43.52	54.00	-10.48	AVG	
2	4924.0099	44.33	2.37	46.70	74.00	-27.30	Peak	

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Vertical
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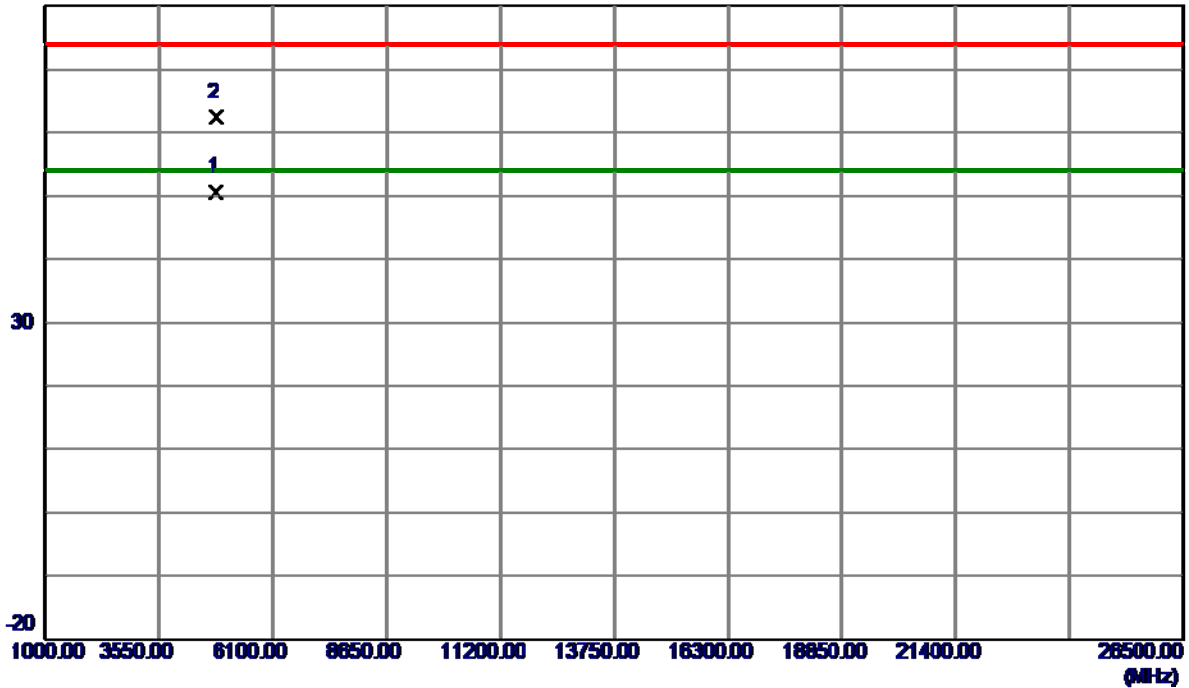
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	59.51	5.44	64.95	74.00	-9.05	Peak	
2	2390.0000	45.65	5.44	51.09	54.00	-2.91	AVG	
3	2414.6500	105.38	5.50	110.88	74.00	36.88	Peak	No Limit
4 *	2414.9500	97.93	5.50	103.43	54.00	49.43	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

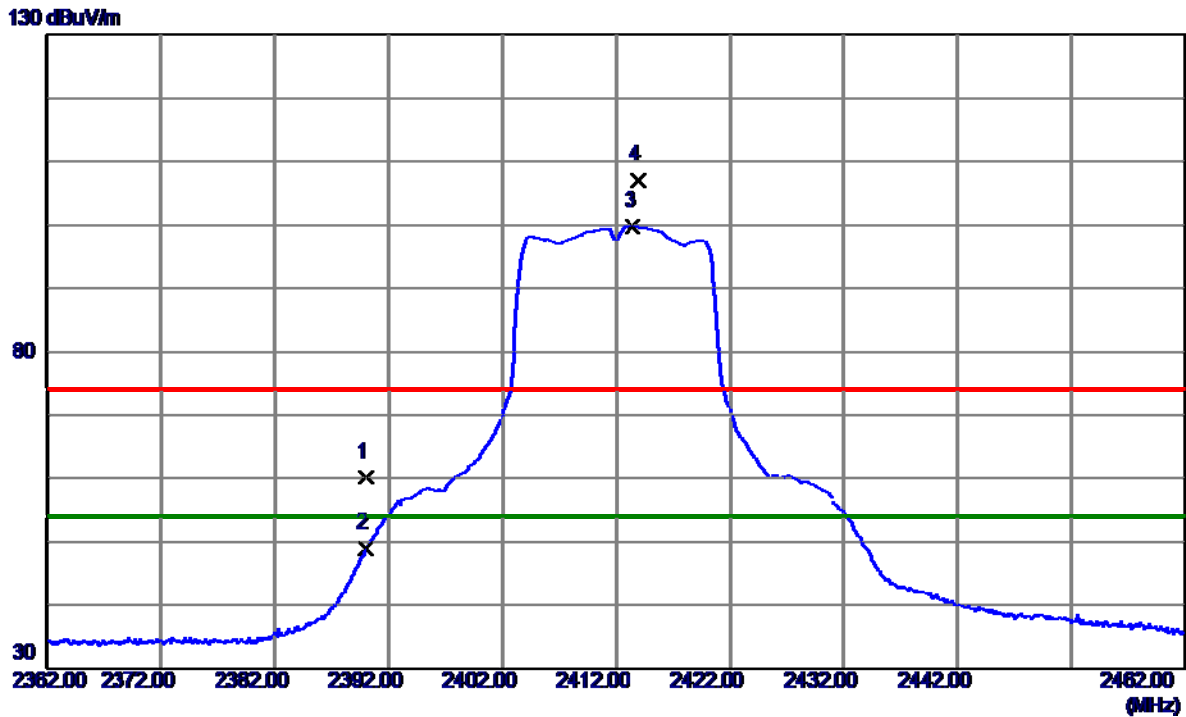


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4826.7400	48.53	2.08	50.61	54.00	-3.39	AVG	
2	4832.5099	60.28	2.10	62.38	74.00	-11.62	Peak	

REMARKS:

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

Test Mode	TX G Mode 2412 MHz	Polarization	Horizontal
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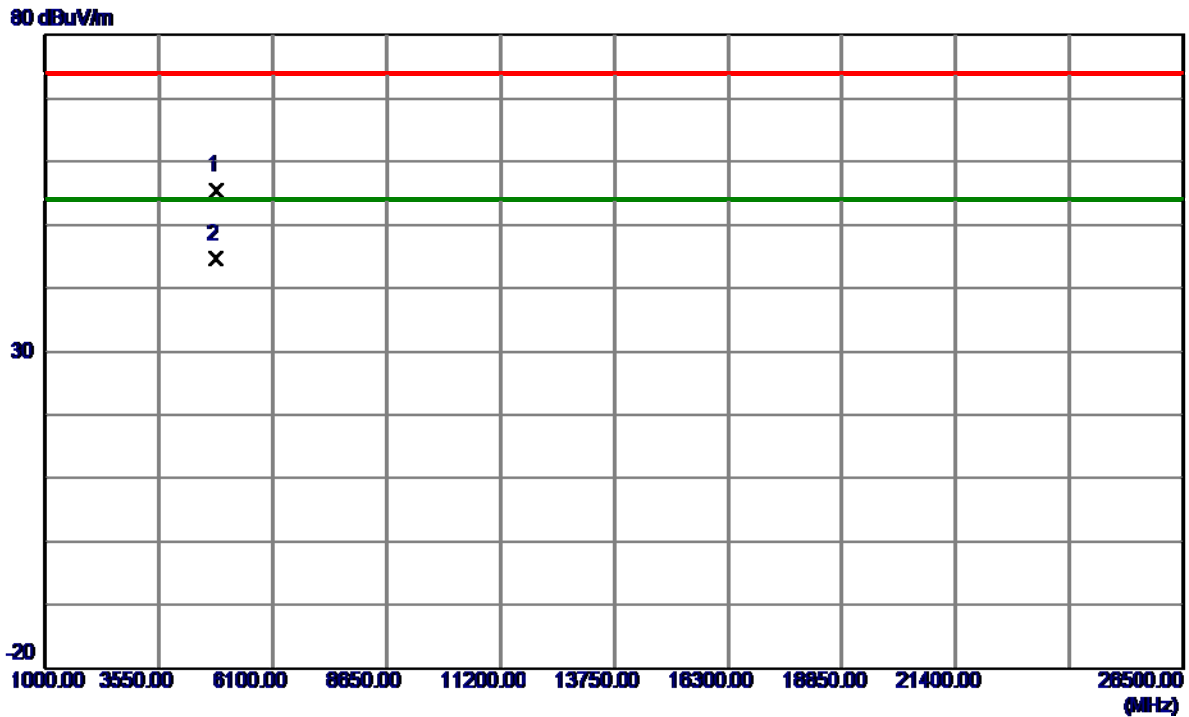


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.83	5.44	60.27	74.00	-13.73	Peak	
2	2390.0000	43.52	5.44	48.96	54.00	-5.04	AVG	
3 *	2413.5000	94.34	5.50	99.84	54.00	45.84	AVG	No Limit
4	2414.0000	101.56	5.50	107.06	74.00	33.06	Peak	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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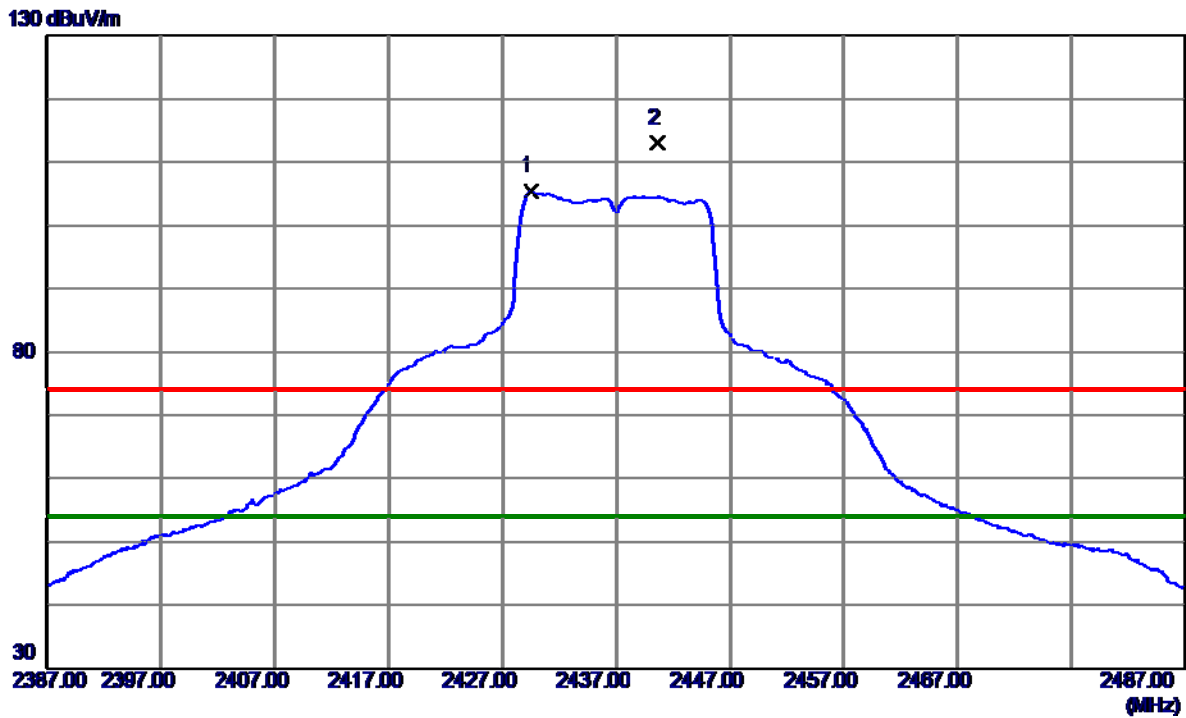


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4819.8000	53.39	2.06	55.45	74.00	-18.55	Peak	
2 *	4823.7400	42.46	2.07	44.53	54.00	-9.47	AVG	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Vertical
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No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2429.5000	99.77	5.54	105.31	54.00	51.31	AVG	No Limit
2	2440.6500	107.39	5.57	112.96	74.00	38.96	Peak	No Limit

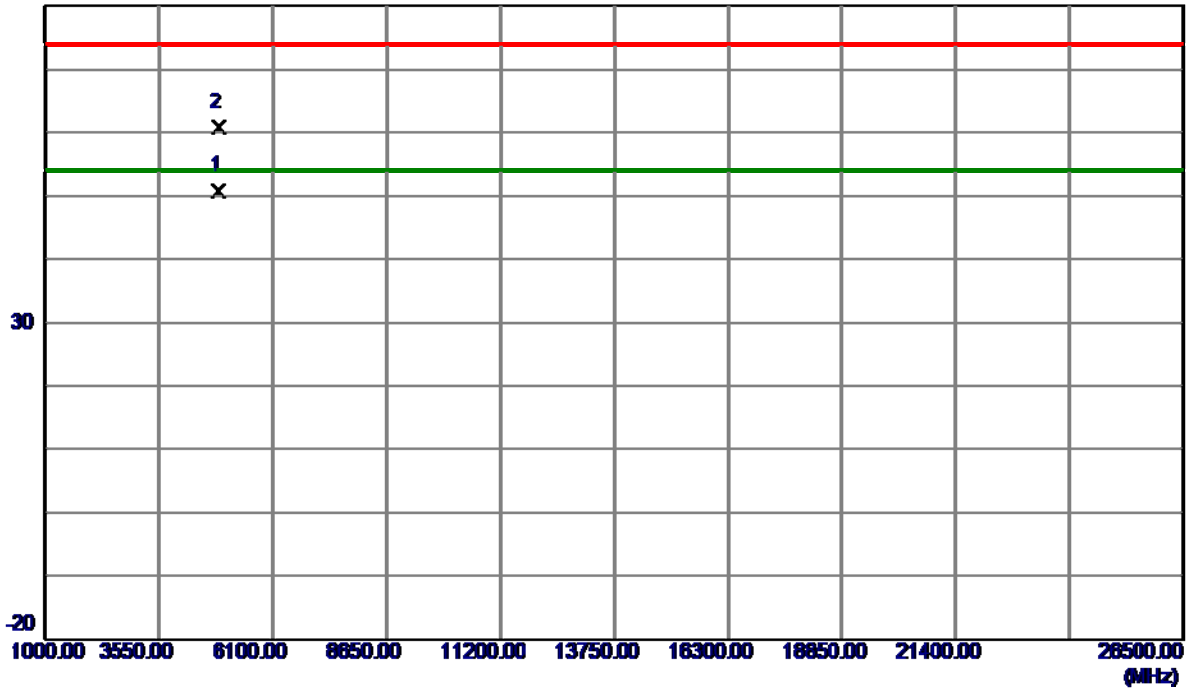
REMARKS:

(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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90 dBuV/m

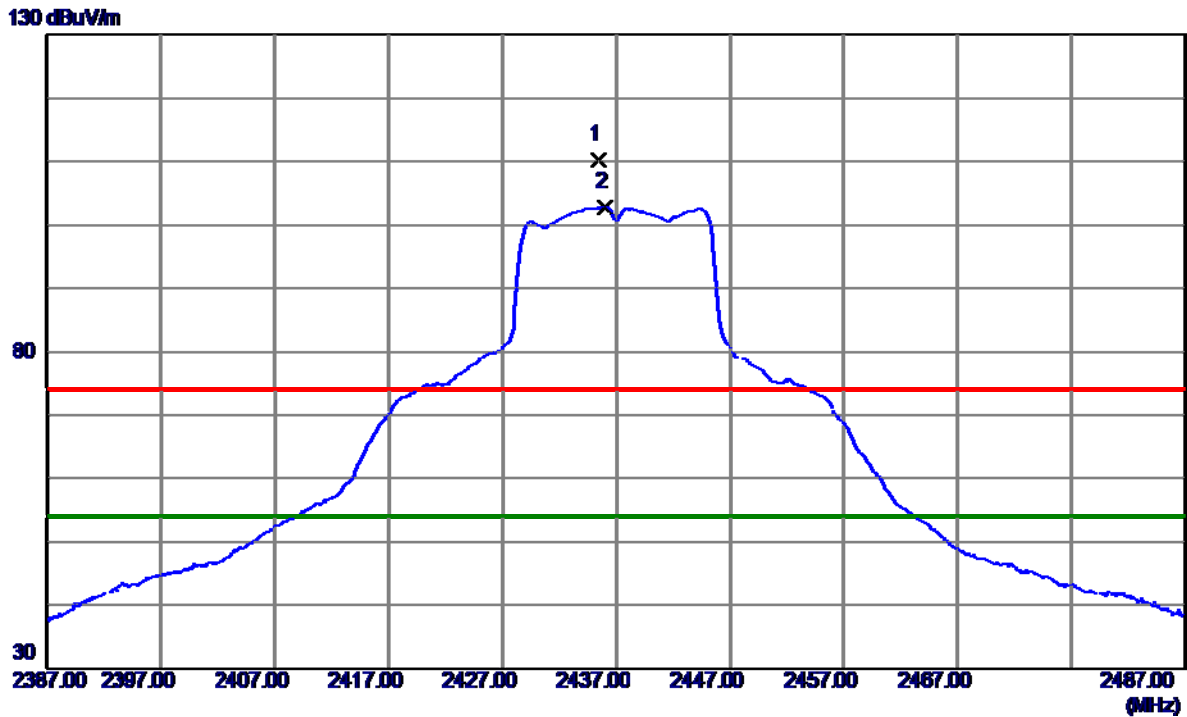


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4876.8500	48.63	2.23	50.86	54.00	-3.14	AVG	
2	4878.6200	58.52	2.23	60.75	74.00	-13.25	Peak	

REMARKS:

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

Test Mode	TX G Mode 2437 MHz	Polarization	Horizontal
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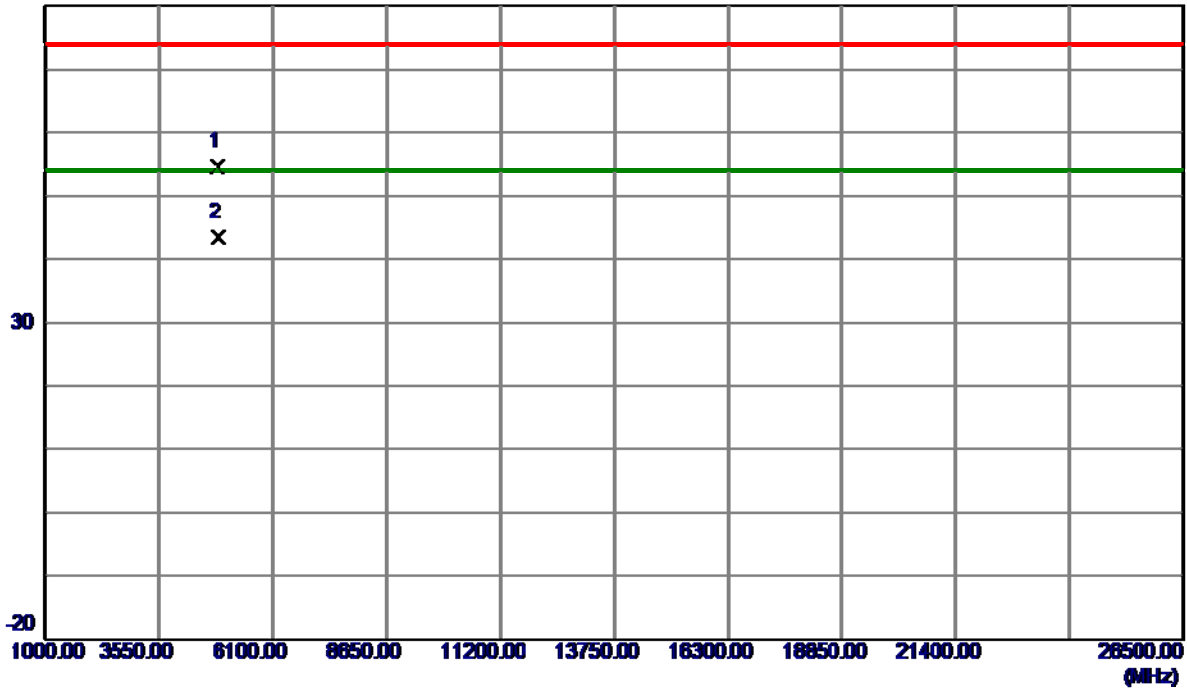
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2435.4000	104.71	5.55	110.26	74.00	36.26	Peak	No Limit
2 *	2436.0500	97.26	5.55	102.81	54.00	48.81	AVG	No Limit

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

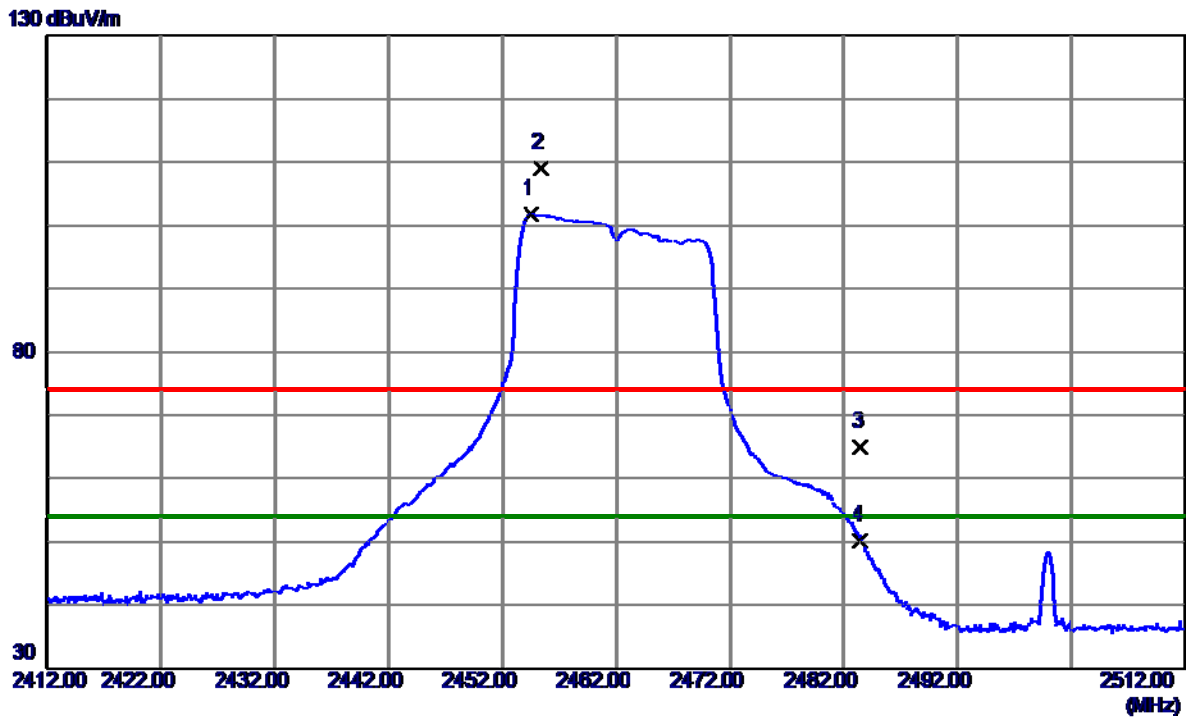


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4864.5000	52.45	2.19	54.64	74.00	-19.36	Peak	
2 *	4873.8000	41.09	2.22	43.31	54.00	-10.69	AVG	

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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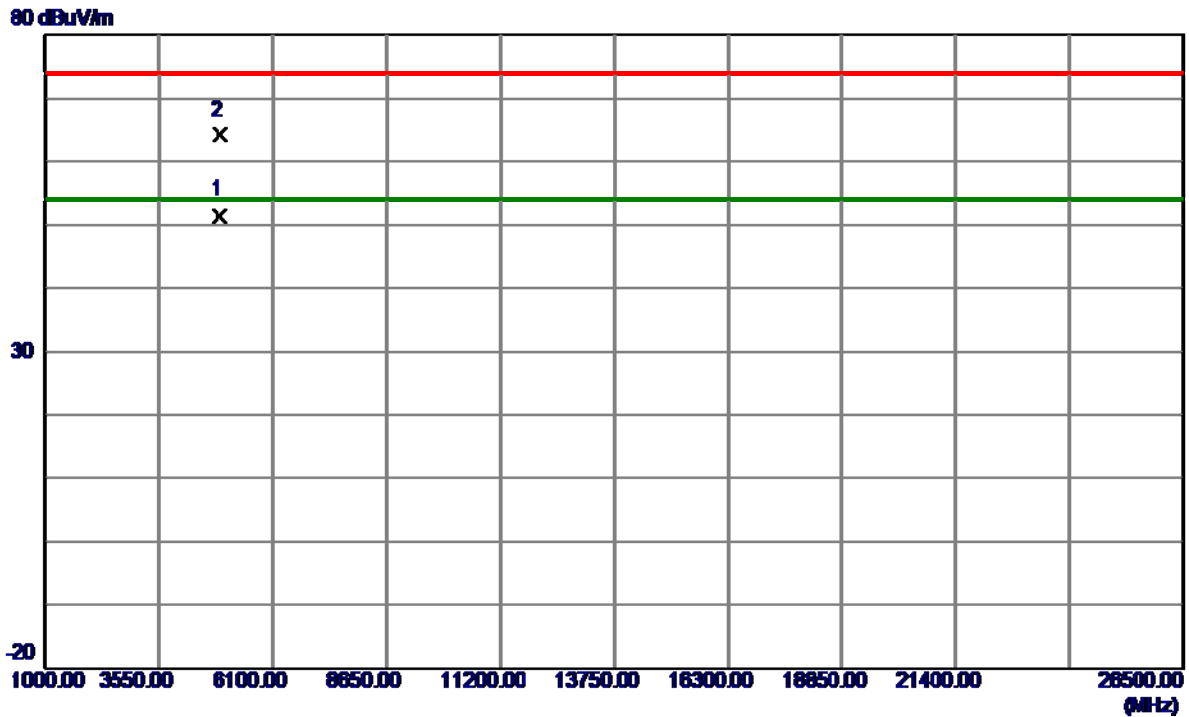


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2454.6000	96.24	5.60	101.84	54.00	47.84	AVG	No Limit
2	2455.4000	103.46	5.60	109.06	74.00	35.06	Peak	No Limit
3	2483.5000	59.37	5.68	65.05	74.00	-8.95	Peak	
4	2483.5000	44.55	5.68	50.23	54.00	-3.77	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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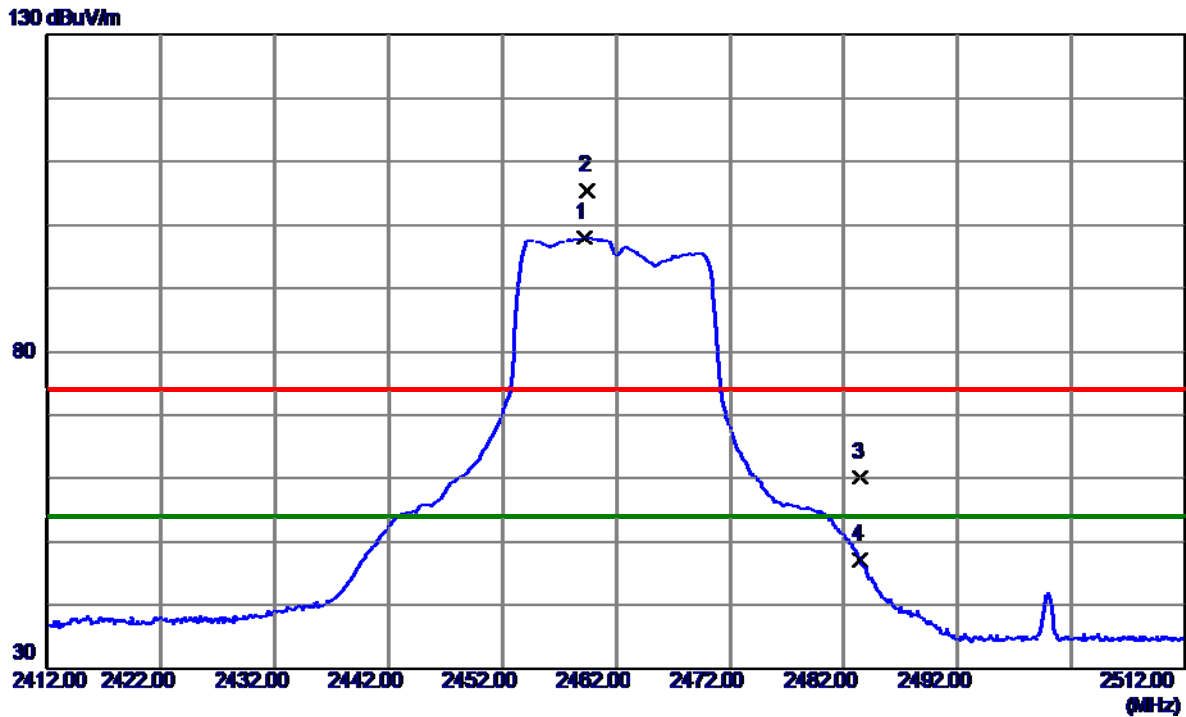


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4916.2200	49.16	2.34	51.50	54.00	-2.50	AVG	
2	4916.4900	61.89	2.34	64.23	74.00	-9.77	Peak	

REMARKS:

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

Test Mode	TX G Mode 2462 MHz	Polarization	Horizontal
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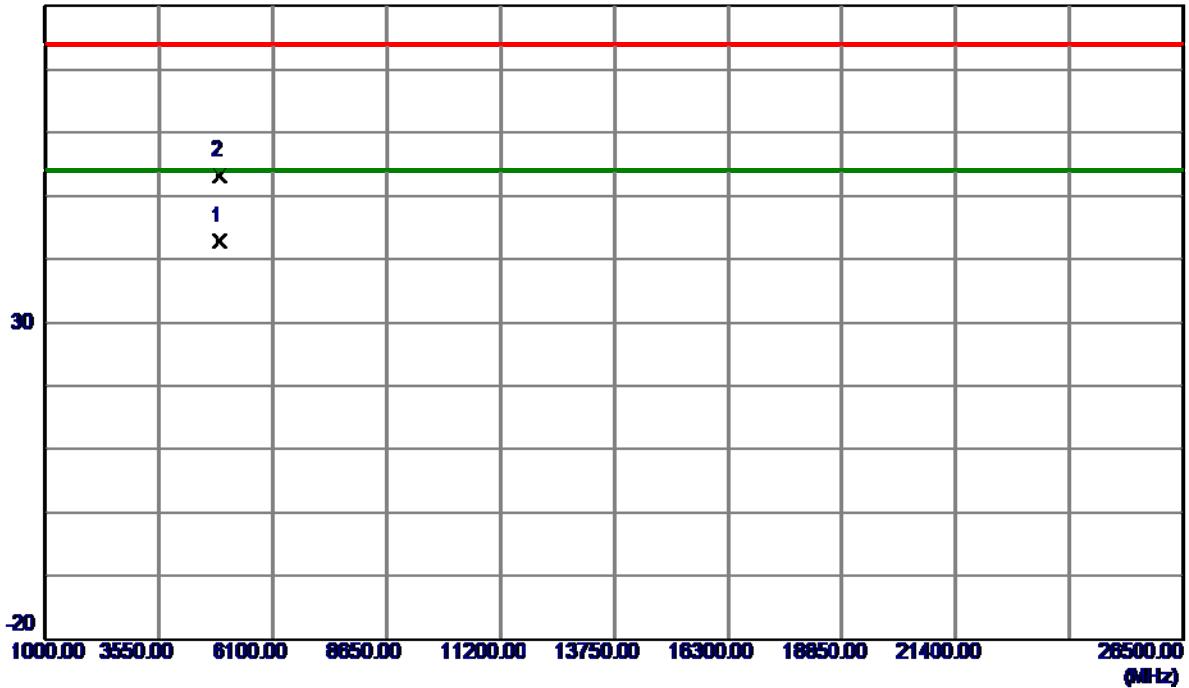
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2459.2500	92.41	5.61	98.02	54.00	44.02	AVG	No Limit
2	2459.5000	99.79	5.62	105.41	74.00	31.41	Peak	No Limit
3	2483.5000	54.53	5.68	60.21	74.00	-13.79	Peak	
4	2483.5000	41.52	5.68	47.20	54.00	-6.80	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



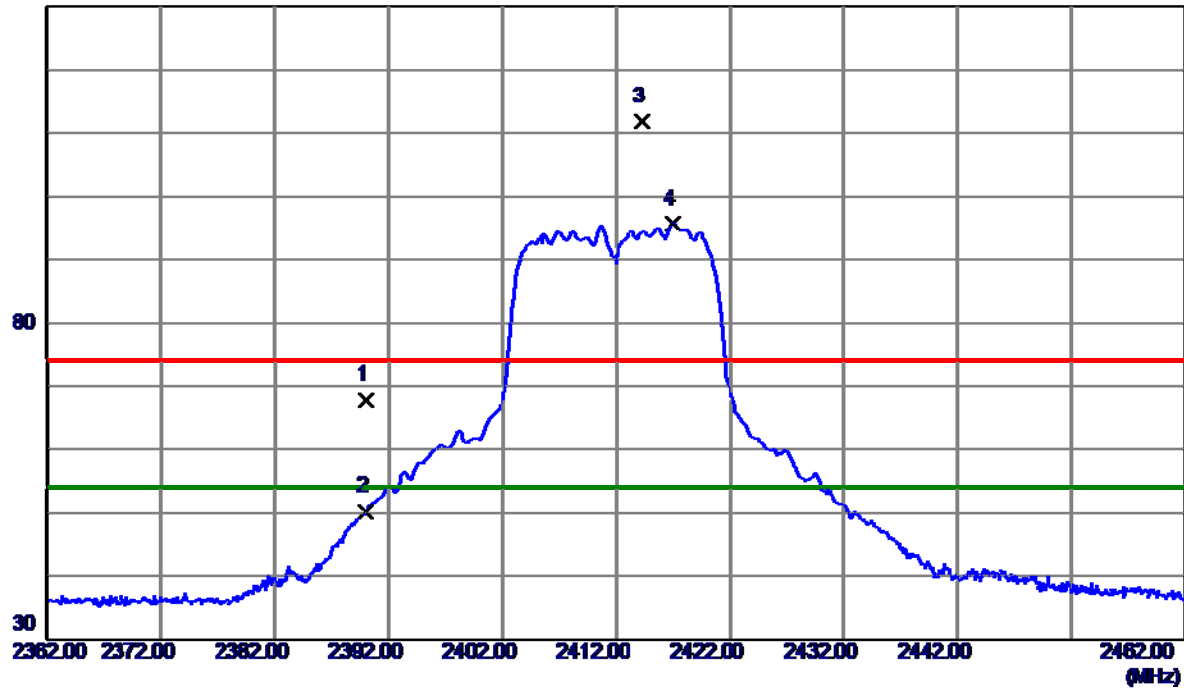
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4915.1600	40.39	2.34	42.73	54.00	-11.27	AVG	
2	4915.5200	50.84	2.34	53.18	74.00	-20.82	Peak	

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
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130 dBuV/m



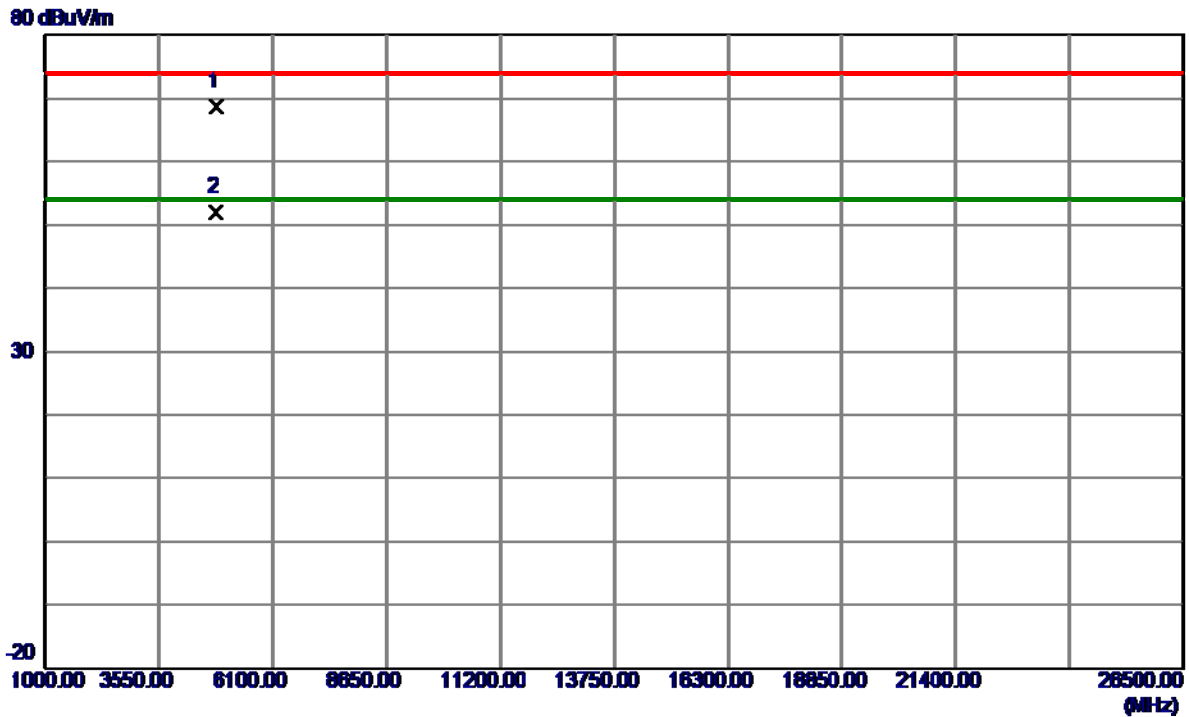
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	62.29	5.44	67.73	74.00	-6.27	Peak	
2	2390.0000	44.76	5.44	50.20	54.00	-3.80	AVG	
3	2414.3500	106.34	5.50	111.84	74.00	37.84	Peak	No Limit
4 *	2417.0500	90.12	5.51	95.63	54.00	41.63	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
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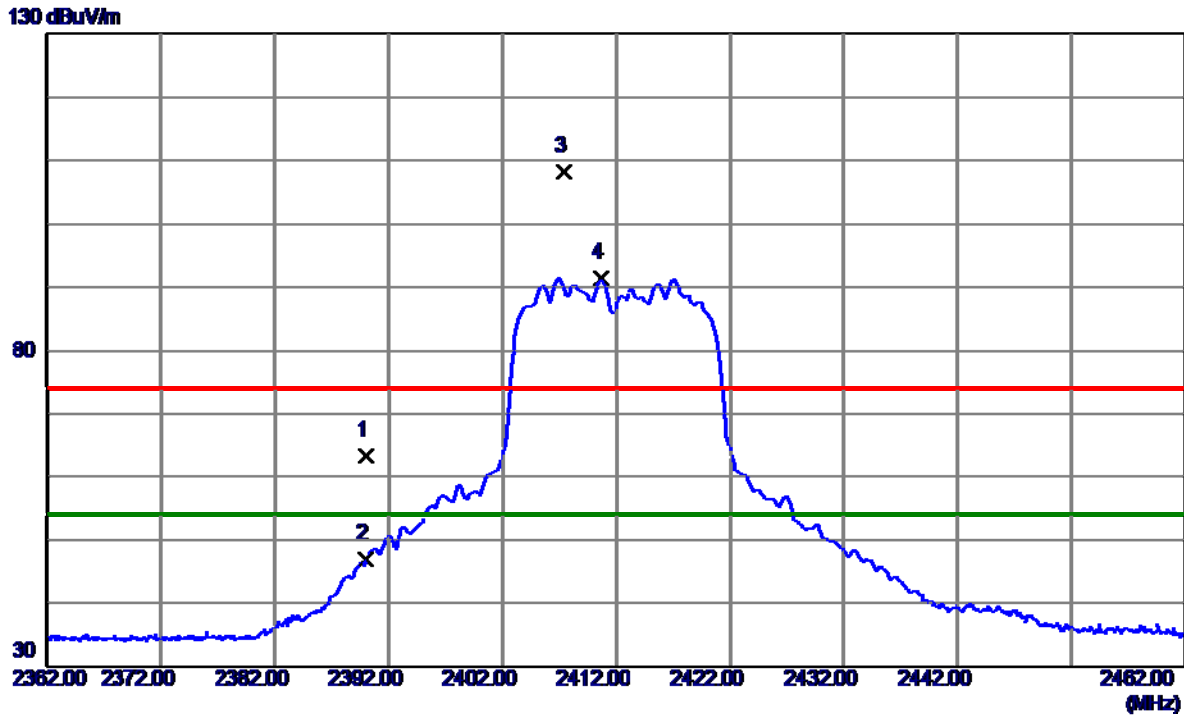


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4822.6500	66.74	2.07	68.81	74.00	-5.19	Peak	
2 *	4822.8100	49.92	2.07	51.99	54.00	-2.01	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2412 MHz	Polarization	Horizontal
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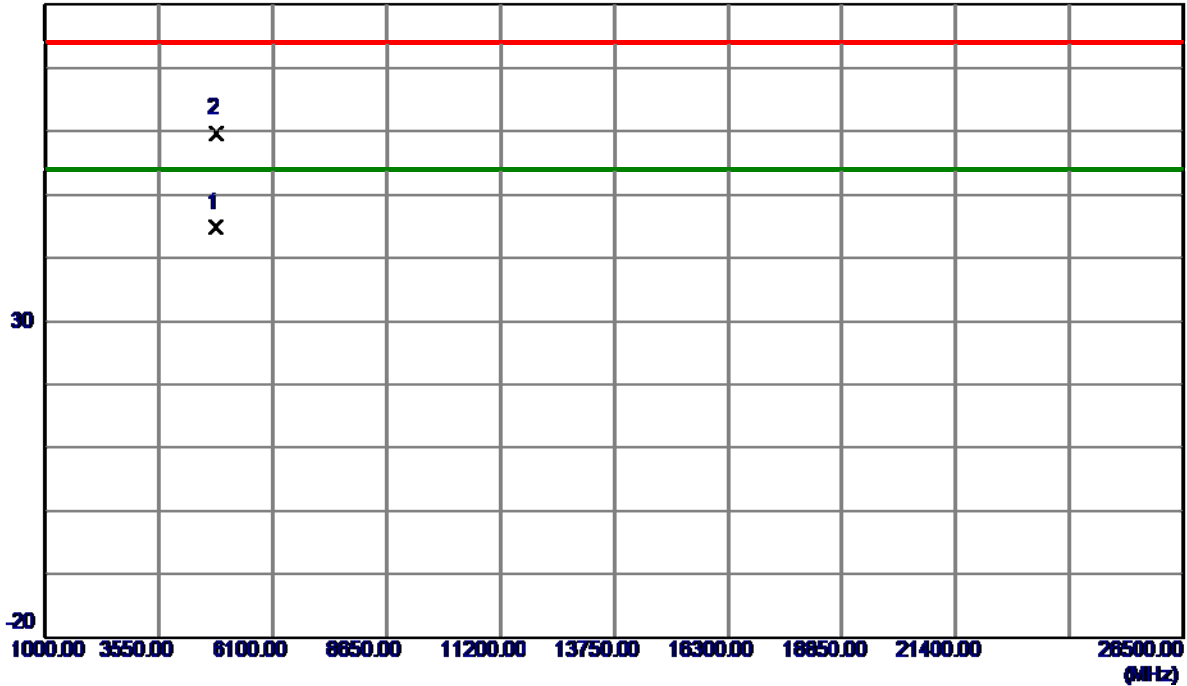
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	58.04	5.44	63.48	74.00	-10.52	Peak	
2	2390.0000	41.53	5.44	46.97	54.00	-7.03	AVG	
3	2407.4000	102.63	5.48	108.11	74.00	34.11	Peak	No Limit
4 *	2410.7000	85.85	5.49	91.34	54.00	37.34	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
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80 dBuV/m

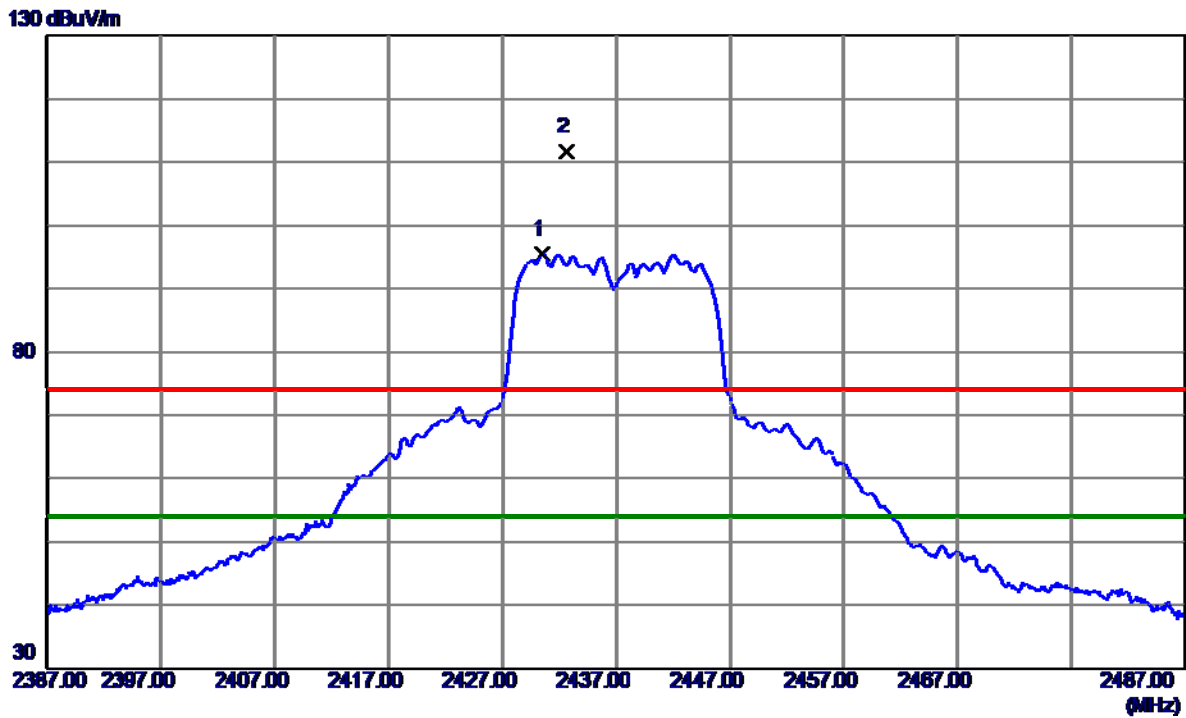


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4822.8600	42.82	2.07	44.89	54.00	-9.11	AVG	
2	4832.7000	57.50	2.10	59.60	74.00	-14.40	Peak	

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
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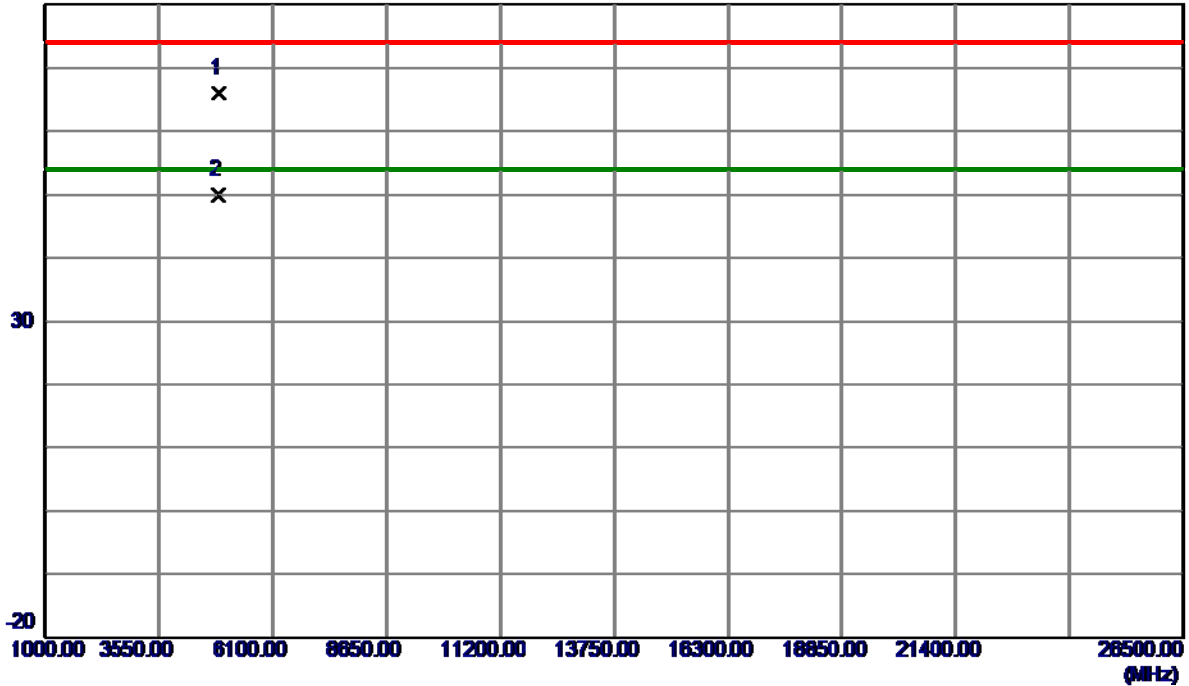
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2430.5500	89.87	5.54	95.41	54.00	41.41	AVG	No Limit
2	2432.7000	106.12	5.55	111.67	74.00	37.67	Peak	No Limit

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

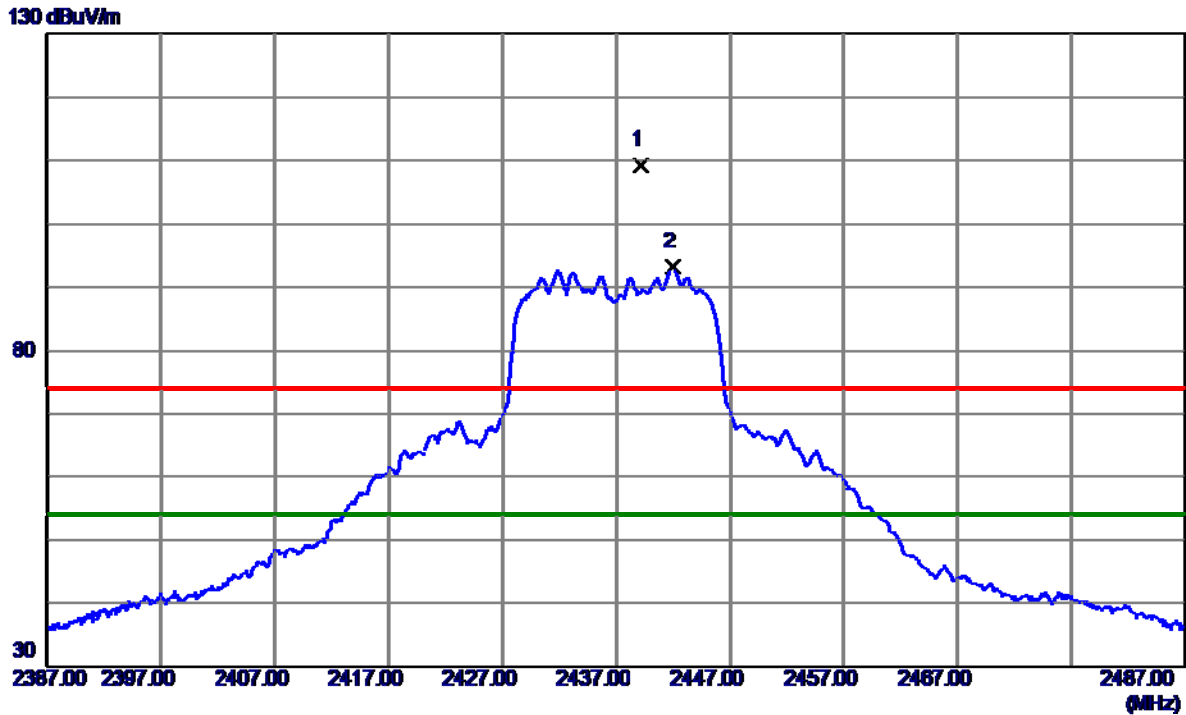


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4871.1700	63.86	2.21	66.07	74.00	-7.93	Peak	
2 *	4872.7799	47.81	2.21	50.02	54.00	-3.98	AVG	

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
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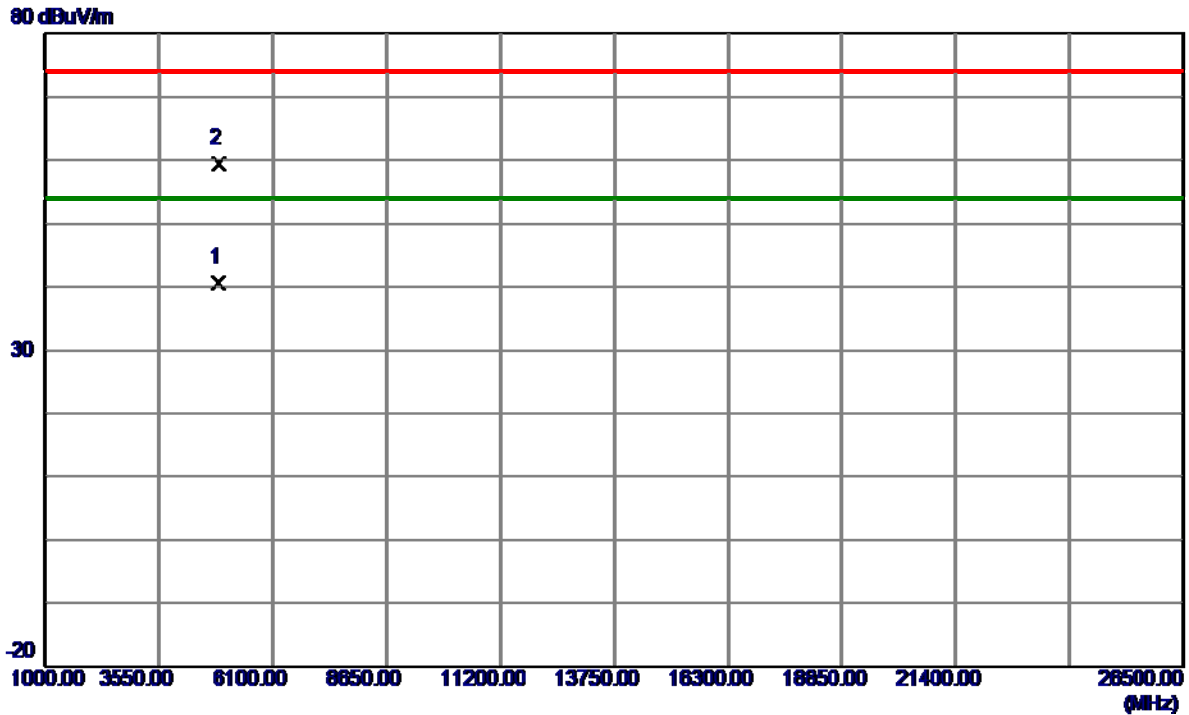


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2439.2000	103.55	5.56	109.11	74.00	35.11	Peak	No Limit
2 *	2441.9500	87.72	5.57	93.29	54.00	39.29	AVG	No Limit

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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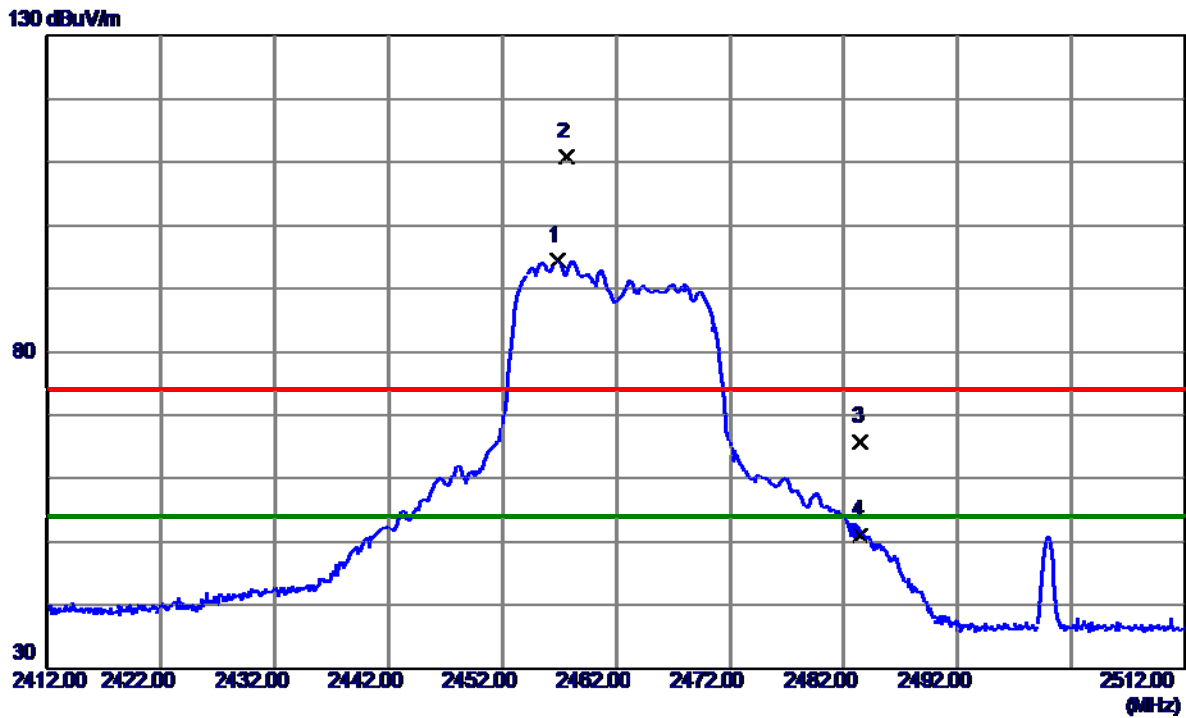


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4872.8300	38.43	2.21	40.64	54.00	-13.36	AVG	
2	4874.2500	57.12	2.22	59.34	74.00	-14.66	Peak	

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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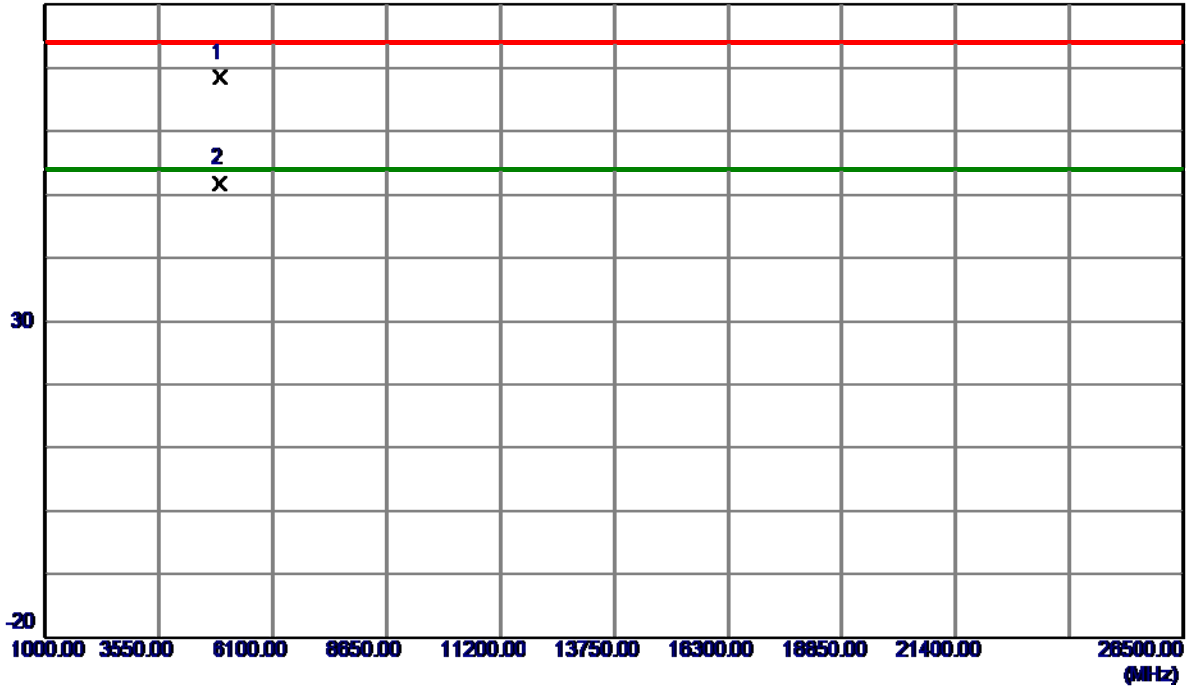
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2456.9000	88.77	5.61	94.38	54.00	40.38	AVG	No Limit
2	2457.6500	105.25	5.61	110.86	74.00	36.86	Peak	No Limit
3	2483.5000	60.04	5.68	65.72	74.00	-8.28	Peak	
4	2483.5000	45.34	5.68	51.02	54.00	-2.98	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

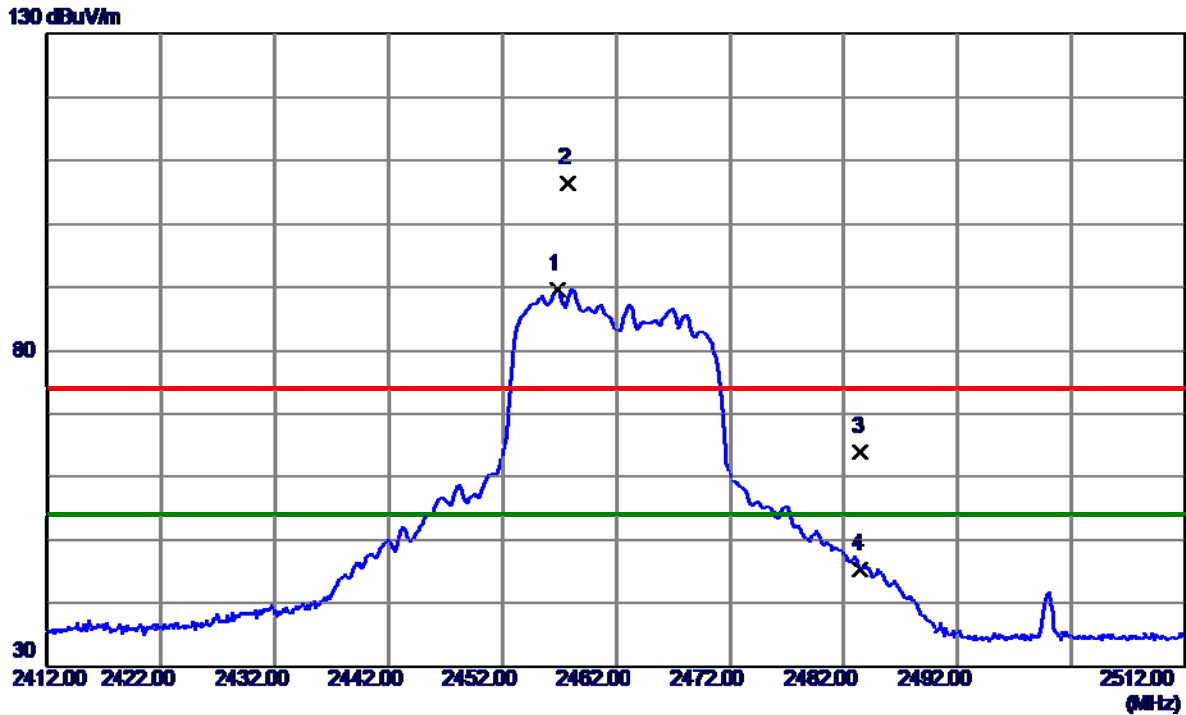


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4915.0900	66.16	2.34	68.50	74.00	-5.50	Peak	
2 *	4922.7200	49.42	2.36	51.78	54.00	-2.22	AVG	

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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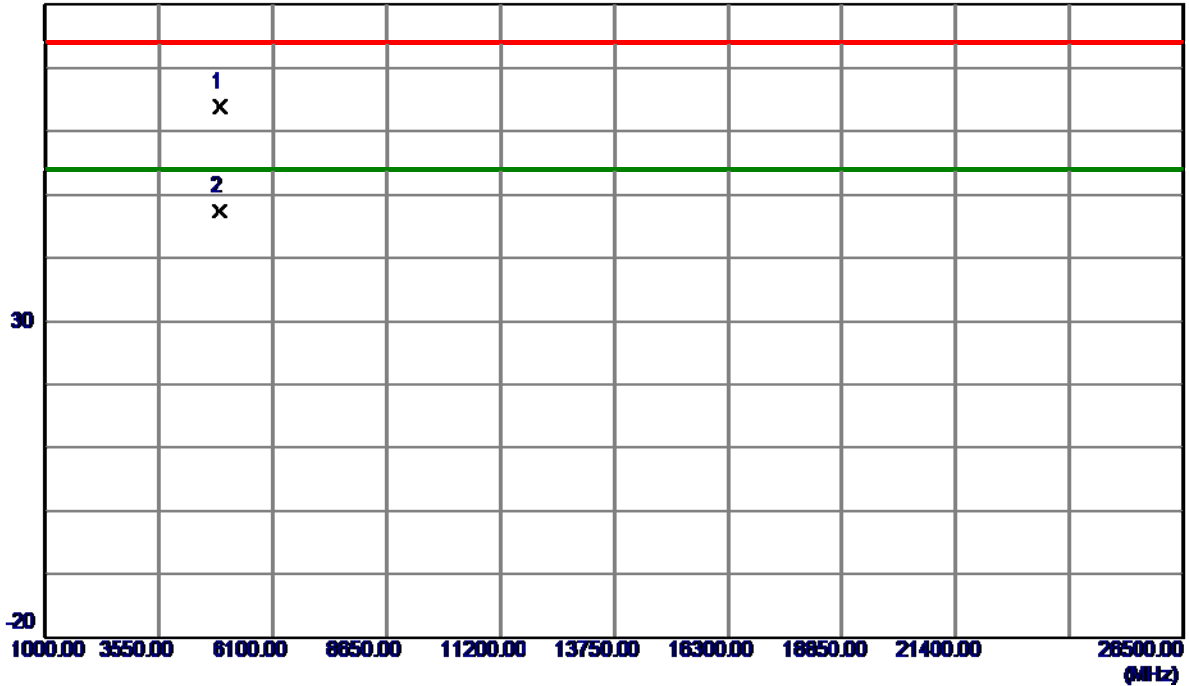
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2456.8500	84.00	5.61	89.61	54.00	35.61	AVG	No Limit
2	2457.8000	100.71	5.61	106.32	74.00	32.32	Peak	No Limit
3	2483.5000	58.26	5.68	63.94	74.00	-10.06	Peak	
4	2483.5000	39.63	5.68	45.31	54.00	-8.69	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

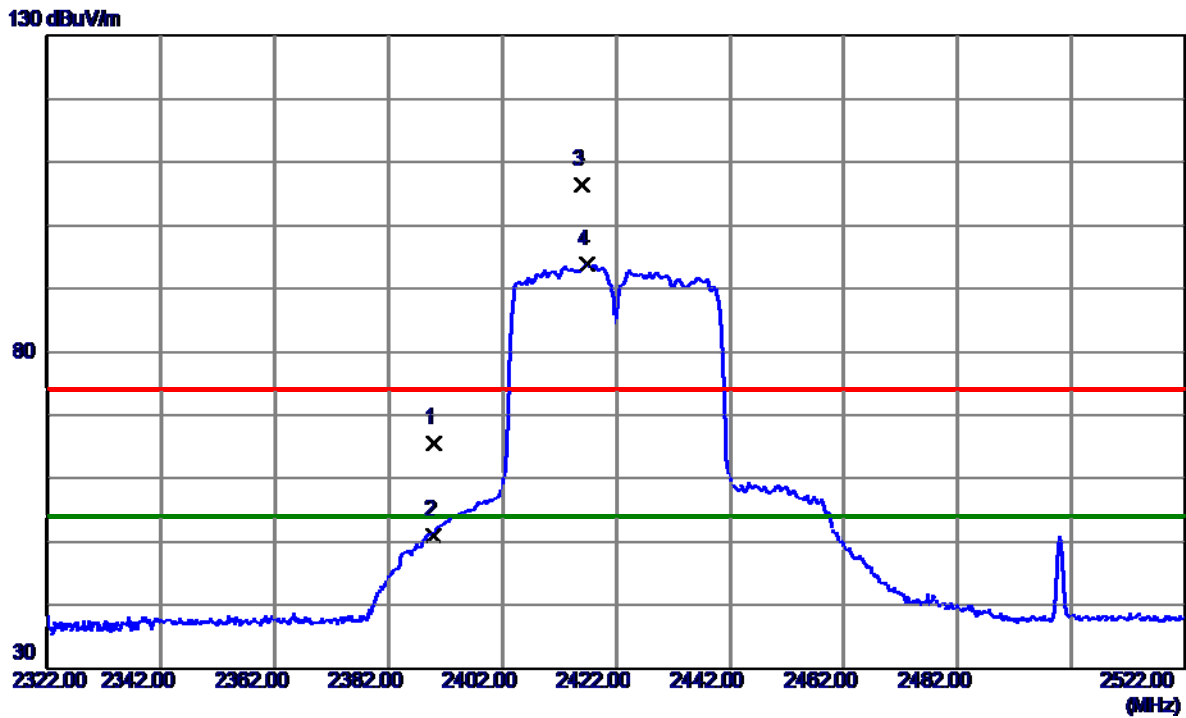


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4922.5299	61.42	2.36	63.78	74.00	-10.22	Peak	
2 *	4922.7799	45.07	2.36	47.43	54.00	-6.57	AVG	

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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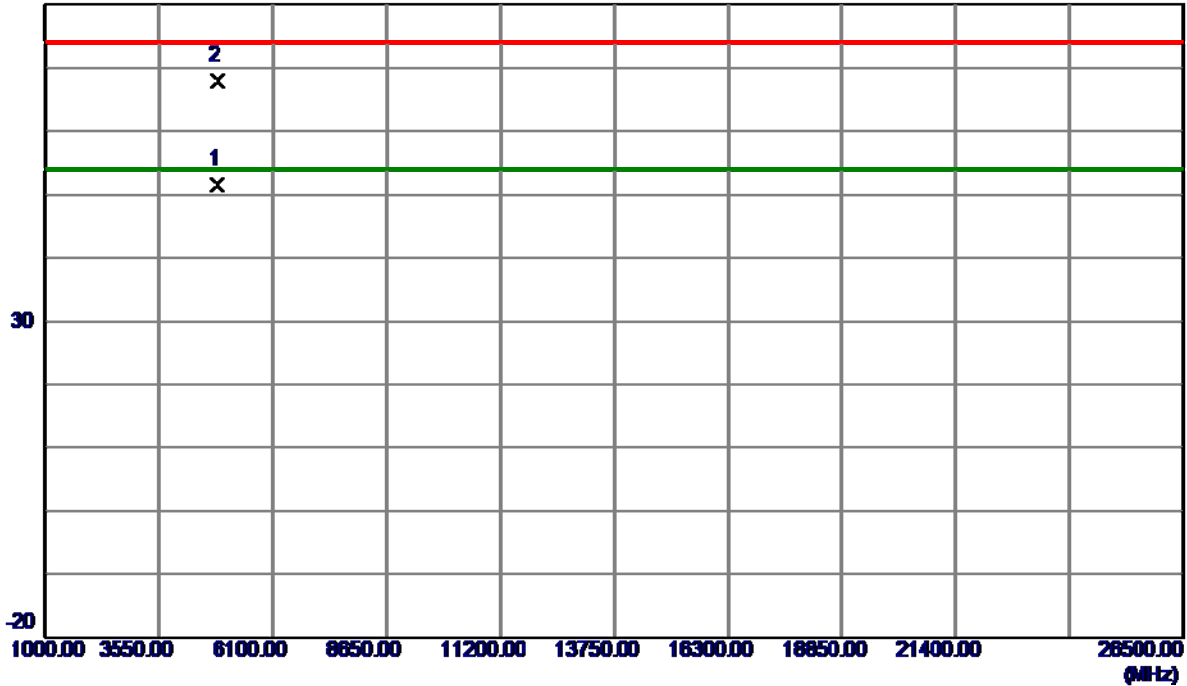
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	60.16	5.44	65.60	74.00	-8.40	Peak	
2	2390.0000	45.65	5.44	51.09	54.00	-2.91	AVG	
3	2416.1000	100.99	5.50	106.49	74.00	32.49	Peak	No Limit
4 *	2416.8000	88.25	5.51	93.76	54.00	39.76	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	Vertical
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80 dBuV/m

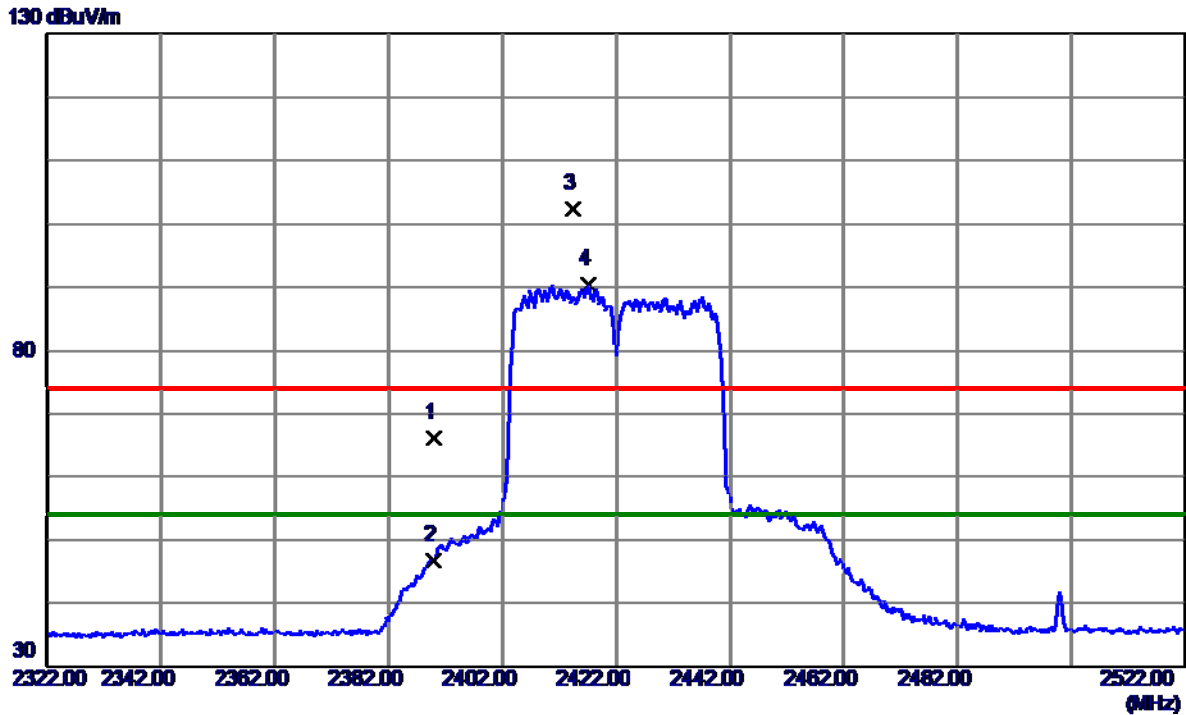


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4842.7430	49.50	2.13	51.63	54.00	-2.37	AVG	
2	4845.3600	65.78	2.13	67.91	74.00	-6.09	Peak	

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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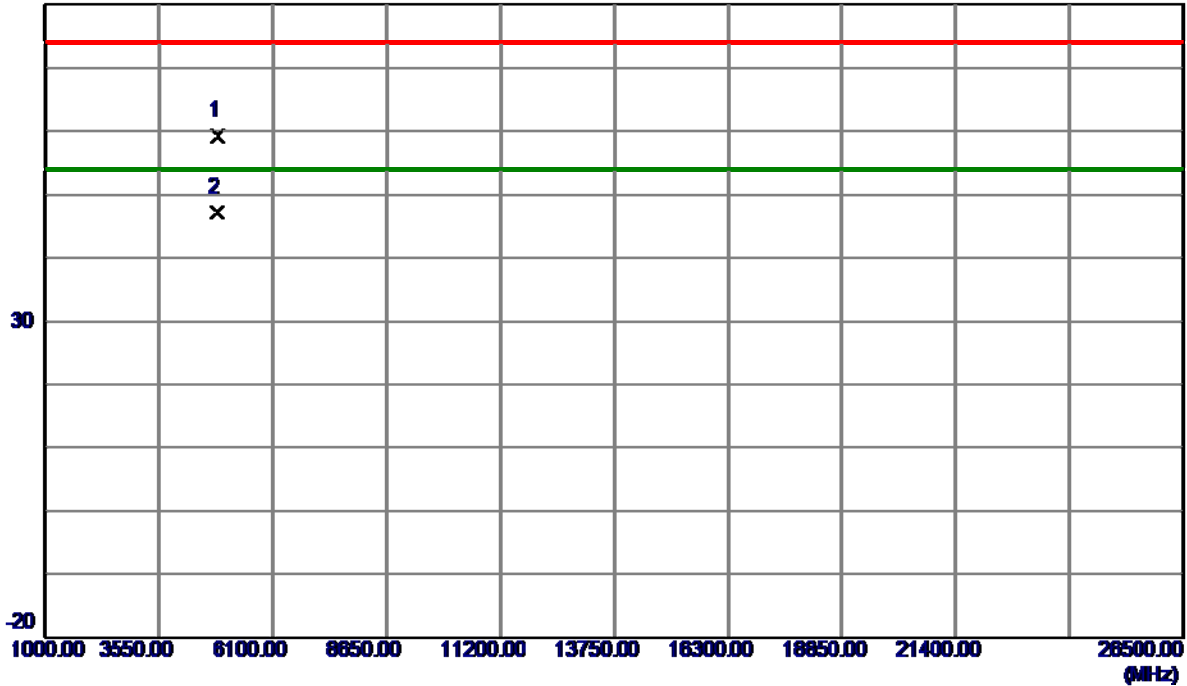
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	60.76	5.44	66.20	74.00	-7.80	Peak	
2	2390.0000	41.30	5.44	46.74	54.00	-7.26	AVG	
3	2414.5000	96.89	5.50	102.39	74.00	28.39	Peak	No Limit
4 *	2417.1000	84.81	5.51	90.32	54.00	36.32	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



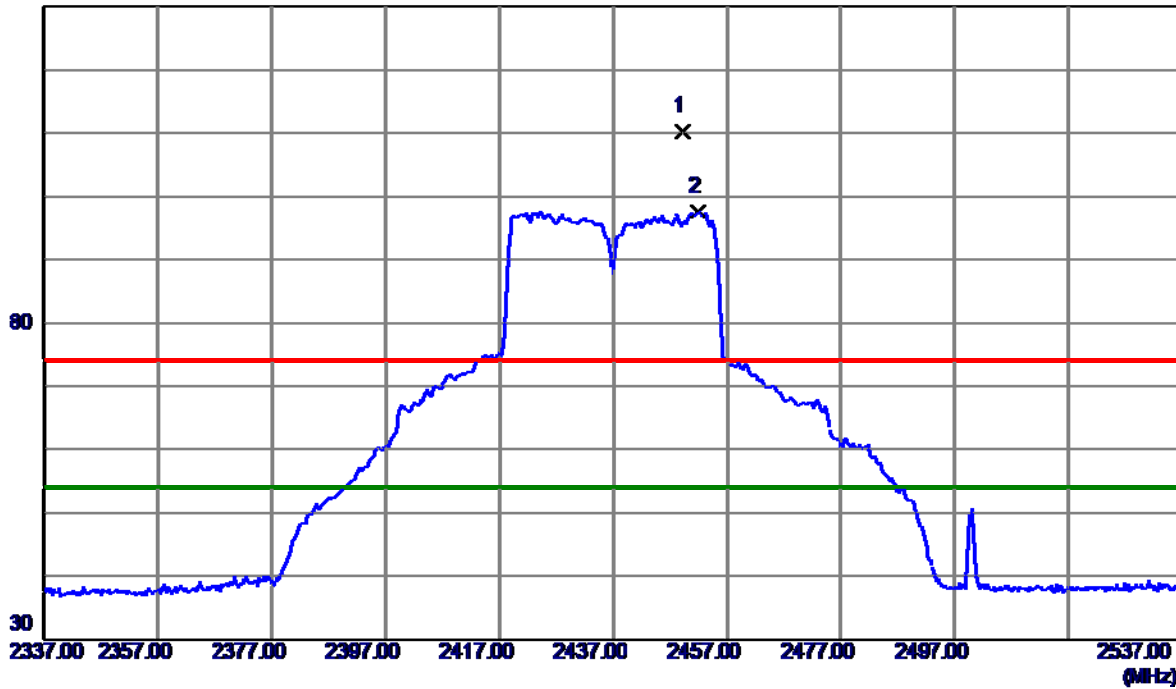
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4844.1300	47.07	12.13	59.20	74.00	-14.80	Peak	
2 *	4844.9500	35.00	12.13	47.13	54.00	-6.87	AVG	

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	2449.2000	104.57	5.59	110.16	74.00	36.16	Peak	No Limit
2 *	2451.9000	92.09	5.60	97.69	54.00	43.69	AVG	No Limit

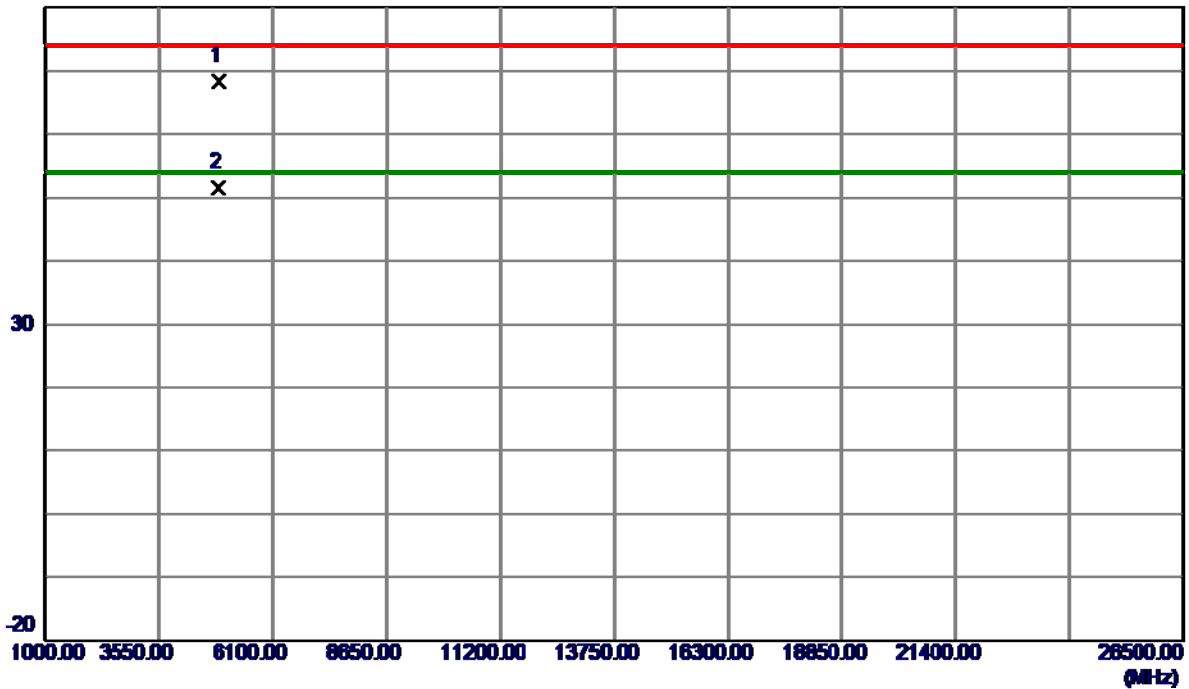
REMARKS:

(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

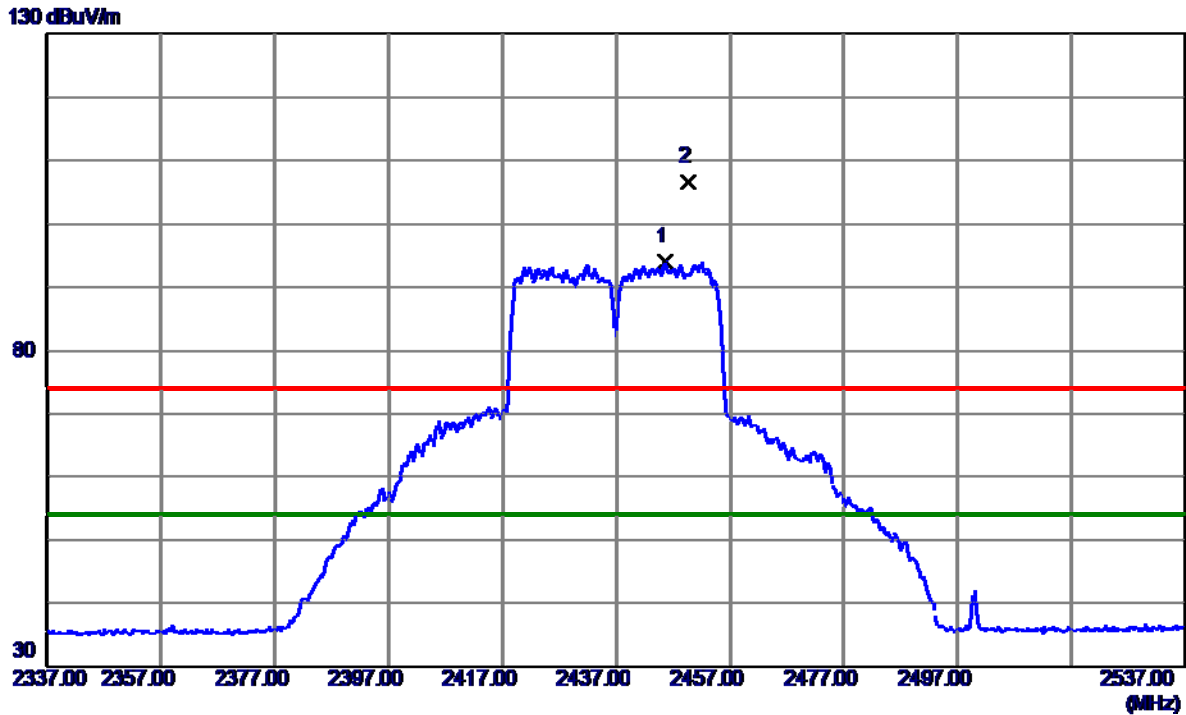


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4873.4300	56.20	12.22	68.42	74.00	-5.58	Peak	
2 *	4875.1100	39.31	12.22	51.53	54.00	-2.47	AVG	

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
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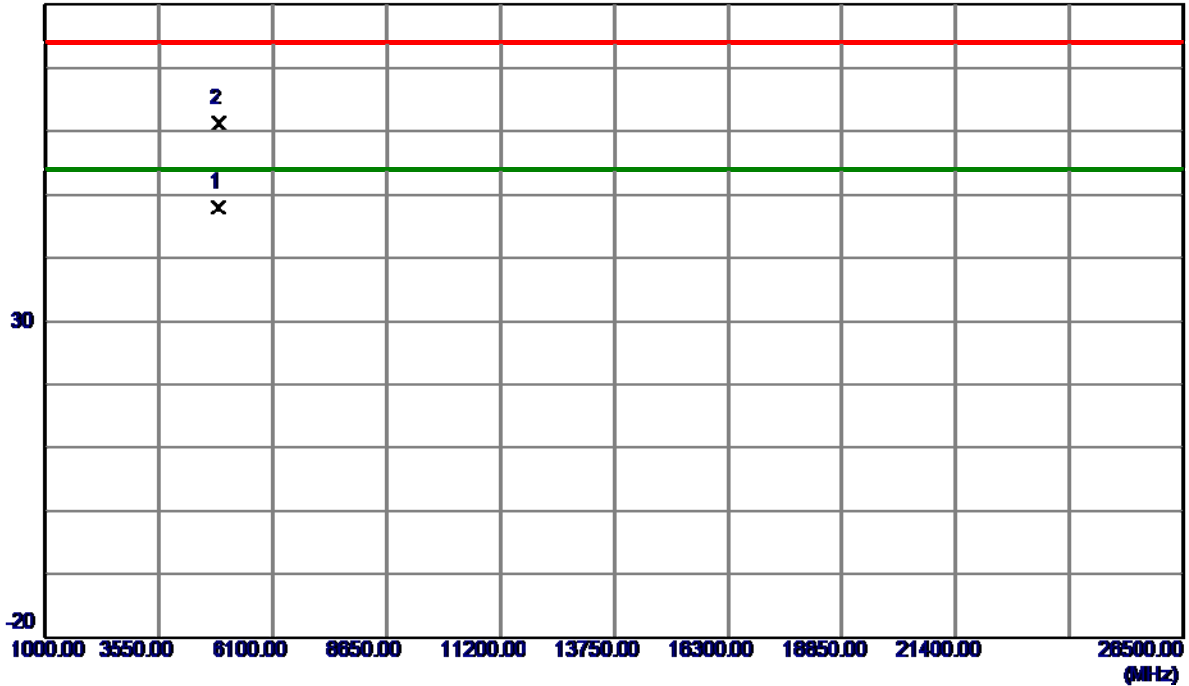
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2445.7000	88.44	5.58	94.02	54.00	40.02	AVG	No Limit
2	2449.7000	101.01	5.59	106.60	74.00	32.60	Peak	No Limit

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



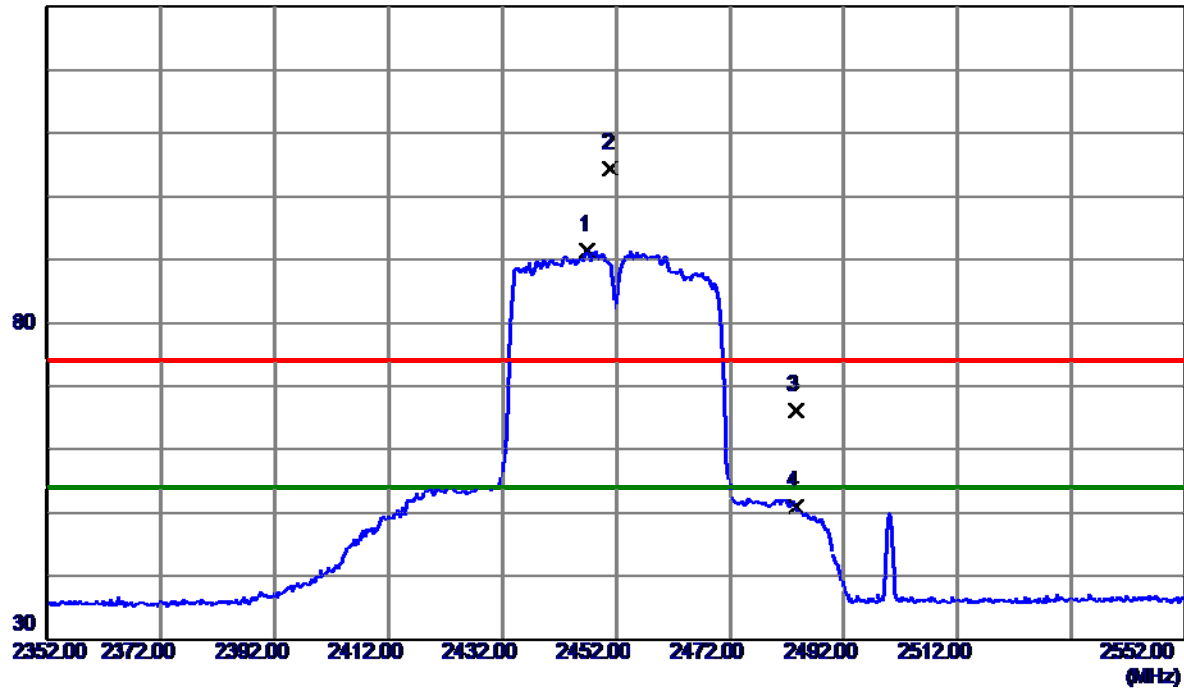
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4873.8800	35.71	12.22	47.93	54.00	-6.07	AVG	
2	4874.6700	49.06	12.22	61.28	74.00	-12.72	Peak	

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
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130 dBuV/m



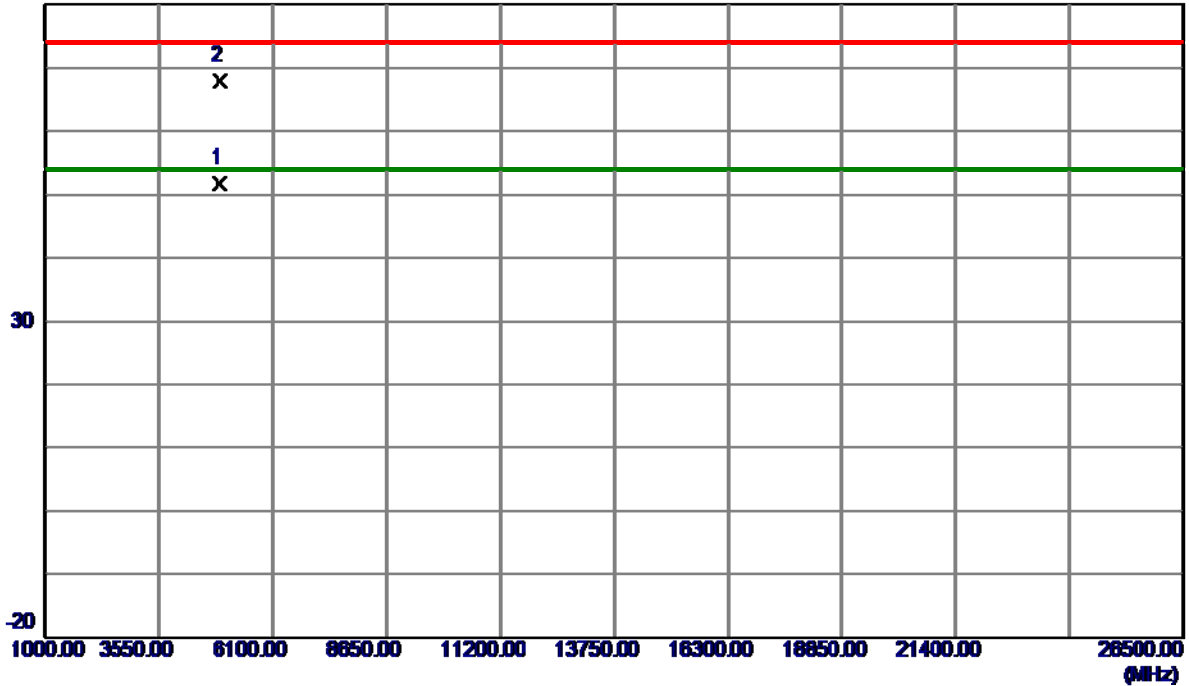
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2447.0000	85.80	5.58	91.38	54.00	37.38	AVG	No Limit
2	2451.0000	98.73	5.59	104.32	74.00	30.32	Peak	No Limit
3	2483.5000	60.48	5.68	66.16	74.00	-7.84	Peak	
4	2483.5000	45.28	5.68	50.96	54.00	-3.04	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

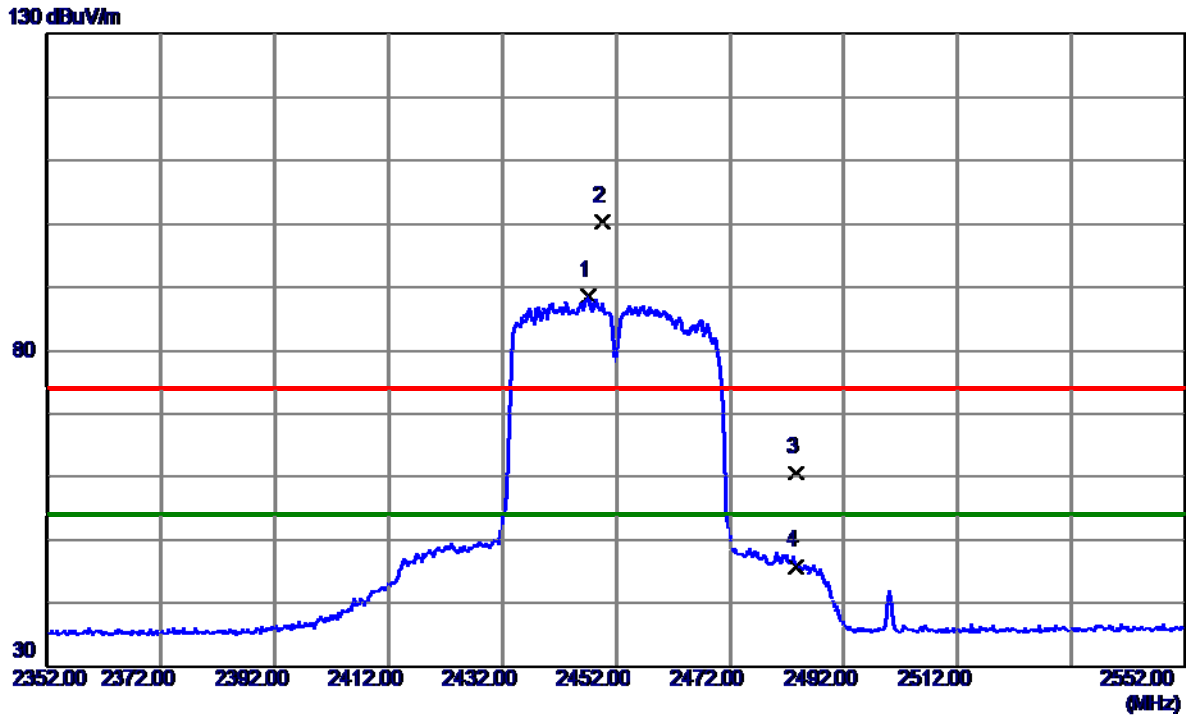


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	4903.7500	39.41	12.31	51.72	54.00	-2.28	AVG	
2	4908.9900	55.60	12.32	67.92	74.00	-6.08	Peak	

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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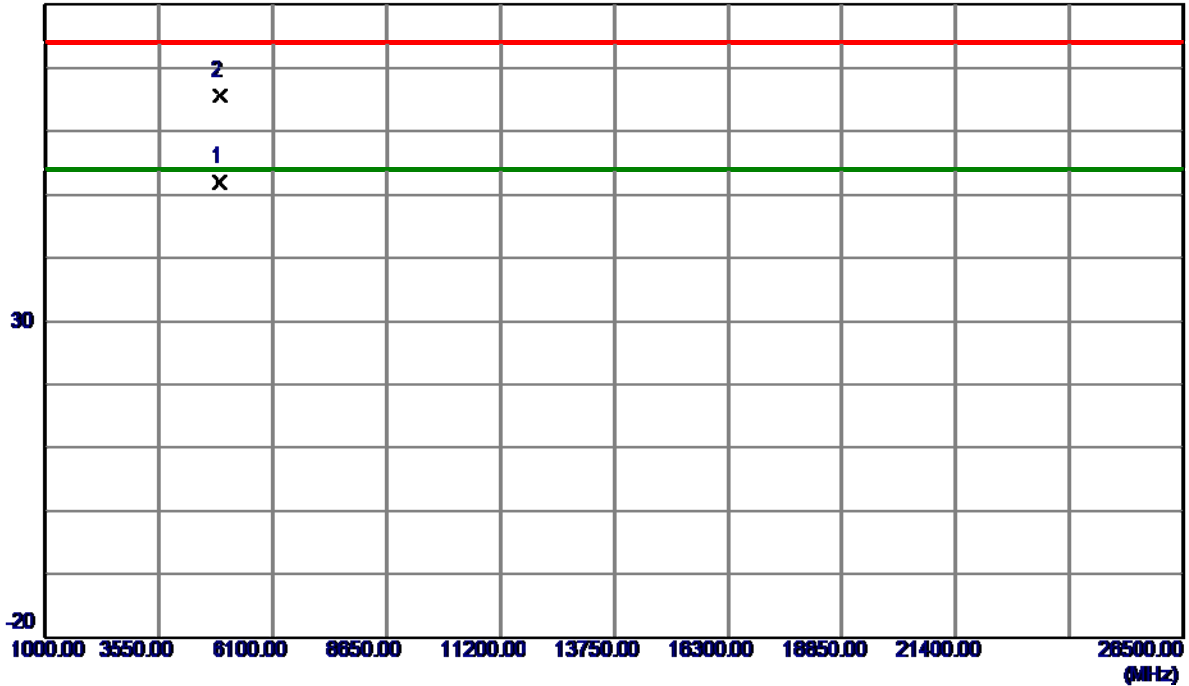
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2447.1000	83.06	5.58	88.64	54.00	34.64	AVG	No Limit
2	2449.6000	94.86	5.59	100.45	74.00	26.45	Peak	No Limit
3	2483.5000	55.02	5.68	60.70	74.00	-13.30	Peak	
4	2483.5000	40.22	5.68	45.90	54.00	-8.10	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 *	4903.8800	39.60	12.31	51.91	54.00	-2.09	AVG	
2	4909.3000	53.28	12.32	65.60	74.00	-8.40	Peak	

REMARKS:

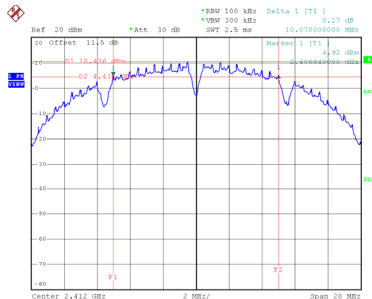
- (1) Measurement Value = Reading Level + Correct Factor.
(2) Margin Level = Measurement Value - Limit Value.

APPENDIX E - BANDWIDTH

Test Mode	TX B Mode
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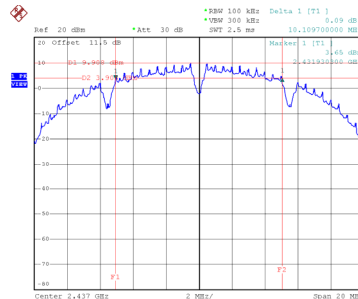
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	10.070	15.440	0.5	Complies
06	2437	10.110	15.840	0.5	Complies
11	2462	9.649	15.760	0.5	Complies

CH01



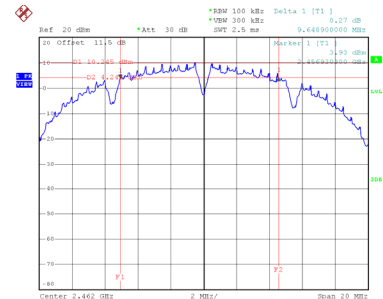
Date: 25.JAN.2022 09:59:29

CH06
6 dB Bandwidth



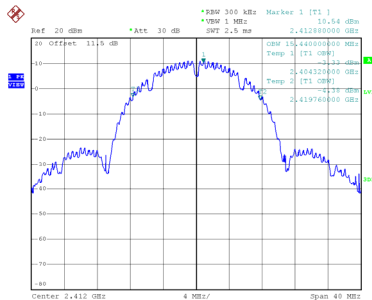
Date: 25.JAN.2022 10:01:53

CH11

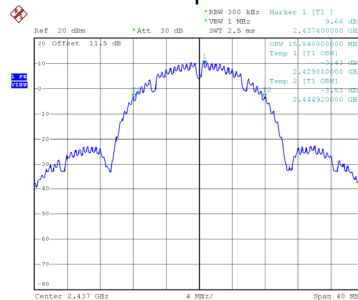


Date: 25.JAN.2022 10:04:29

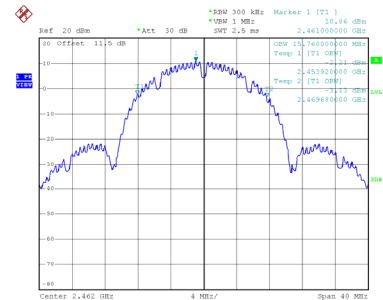
99 % Occupied Bandwidth



Date: 25.JAN.2022 09:59:37



Date: 25.JAN.2022 10:02:02

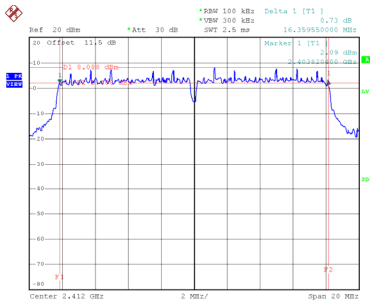


Date: 25.JAN.2022 10:04:37

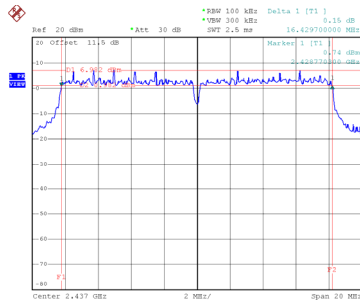
Test Mode	TX G Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	16.360	17.040	0.5	Complies
06	2437	16.430	17.520	0.5	Complies
11	2462	16.390	17.600	0.5	Complies

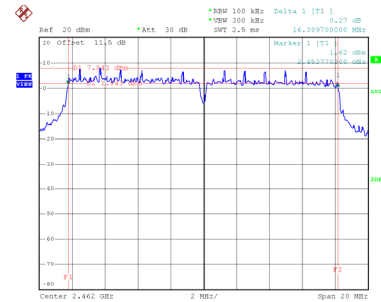
CH01



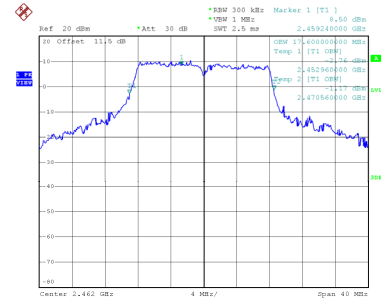
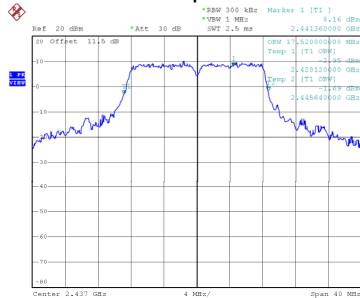
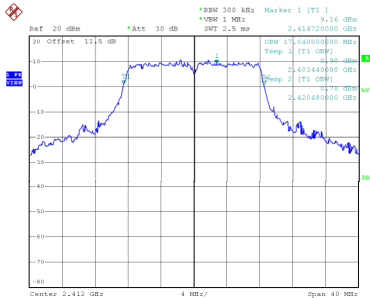
CH06
6 dB Bandwidth



CH11



99 % Occupied Bandwidth



Test Mode	TX N(HT20) Mode
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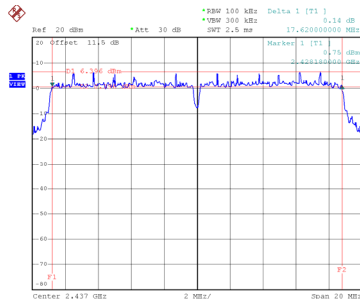
Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
01	2412	17.550	18.080	0.5	Complies
06	2437	17.620	18.400	0.5	Complies
11	2462	17.400	18.480	0.5	Complies

CH01



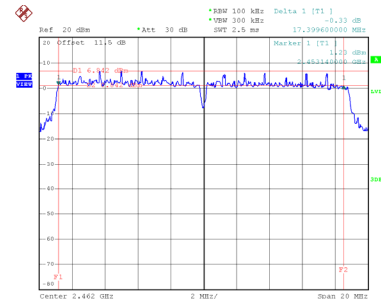
Date: 25.JAN.2022 10:17:40

CH06
6 dB Bandwidth



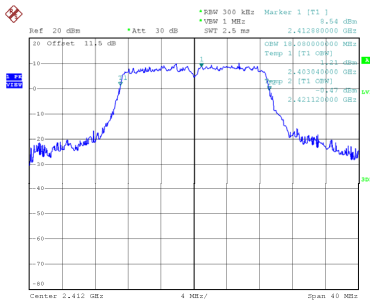
Date: 25.JAN.2022 10:22:44

CH11

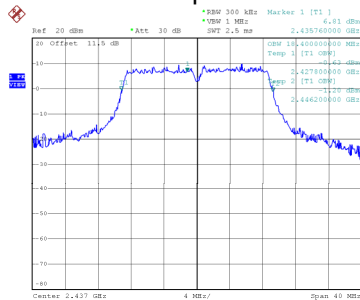


Date: 25.JAN.2022 10:24:45

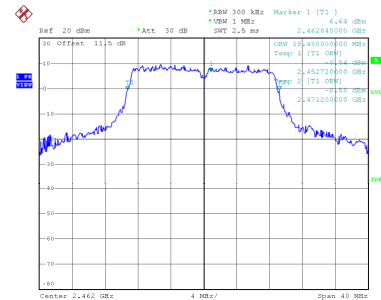
99 % Occupied Bandwidth



Date: 25.JAN.2022 10:17:48



Date: 25.JAN.2022 10:22:52

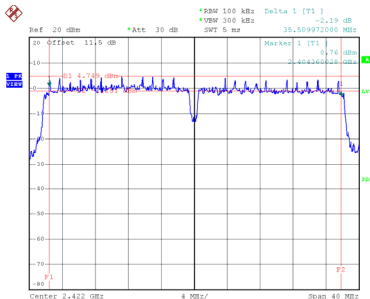


Date: 25.JAN.2022 10:24:53

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	35.510	36.320	0.5	Complies
06	2437	36.160	36.480	0.5	Complies
09	2452	35.830	36.480	0.5	Complies

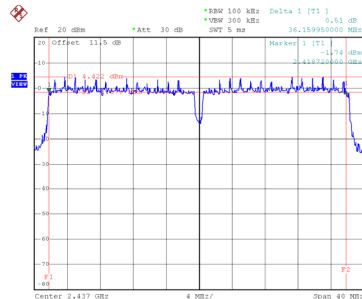
CH03



Date: 25.JAN.2022 10:27:59

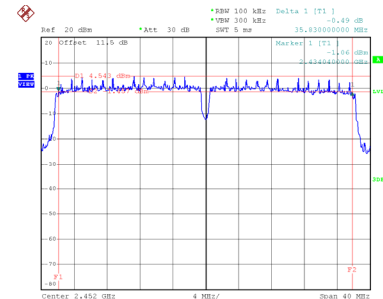
CH06

6 dB Bandwidth



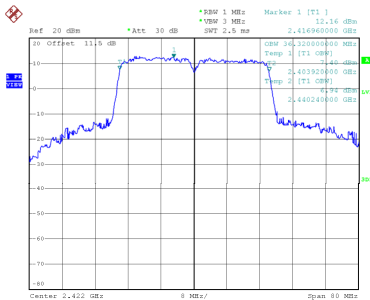
Date: 25.JAN.2022 10:29:26

CH09

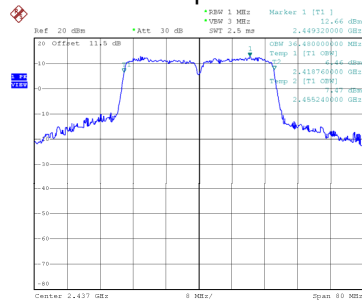


Date: 25.JAN.2022 10:32:08

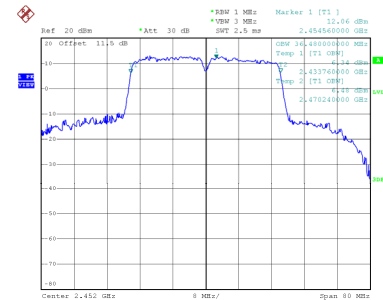
99 % Occupied Bandwidth



Date: 25.JAN.2022 10:28:08



Date: 25.JAN.2022 10:29:34



Date: 25.JAN.2022 10:32:16

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	6.87	0.00	6.87	30.00	1.0000	Complies
06	2437	7.32	0.00	7.32	30.00	1.0000	Complies
11	2462	7.98	0.00	7.98	30.00	1.0000	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	5.82	0.00	5.82	30.00	1.0000	Complies
06	2437	6.38	0.00	6.38	30.00	1.0000	Complies
11	2462	7.29	0.00	7.29	30.00	1.0000	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	9.39	30.00	1.0000	Complies
06	2437	9.89	30.00	1.0000	Complies
11	2462	10.66	30.00	1.0000	Complies

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

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
01	2412	10.94	0.31	11.25	30.00	1.0000	Complies
06	2437	11.43	0.31	11.74	30.00	1.0000	Complies
11	2462	11.51	0.31	11.82	30.00	1.0000	Complies

Test Mode	TX G 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	10.27	0.31	10.58	30.00	1.0000	Complies
06	2437	10.73	0.31	11.04	30.00	1.0000	Complies
11	2462	10.82	0.31	11.13	30.00	1.0000	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	13.94	30.00	1.0000	Complies
06	2437	14.42	30.00	1.0000	Complies
11	2462	14.50	30.00	1.0000	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	14.71	0.19	14.90	30.00	1.0000	Complies
06	2437	13.69	0.19	13.88	30.00	1.0000	Complies
11	2462	16.93	0.19	17.12	30.00	1.0000	Complies

Test Mode	TX N(HT20) 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	13.85	0.19	14.04	30.00	1.0000	Complies
06	2437	13.04	0.19	13.23	30.00	1.0000	Complies
11	2462	16.82	0.19	17.01	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	17.51	30.00	1.0000	Complies
06	2437	16.58	30.00	1.0000	Complies
11	2462	20.08	30.00	1.0000	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	11.85	0.50	12.35	30.00	1.0000	Complies
06	2437	11.74	0.50	12.24	30.00	1.0000	Complies
09	2452	14.32	0.50	14.82	30.00	1.0000	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	11.05	0.50	11.55	30.00	1.0000	Complies
06	2437	10.85	0.50	11.35	30.00	1.0000	Complies
09	2452	14.36	0.50	14.86	30.00	1.0000	Complies

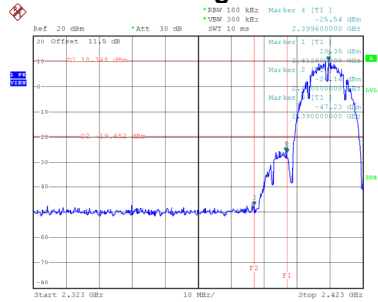
Test Mode	TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
03	2422	14.98	30.00	1.0000	Complies
06	2437	14.83	30.00	1.0000	Complies
09	2452	17.85	30.00	1.0000	Complies

APPENDIX G - CONDUCTED SPURIOUS EMISSIONS

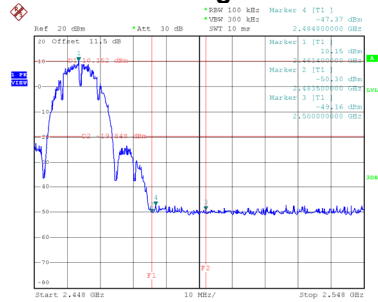
Test Mode TX B Mode_Ant. 1

Bandedge-CH01



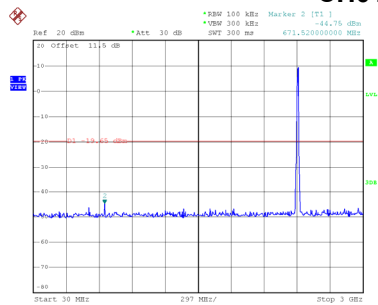
Date: 25.JAN.2022 09:59:46

Bandedge-CH11

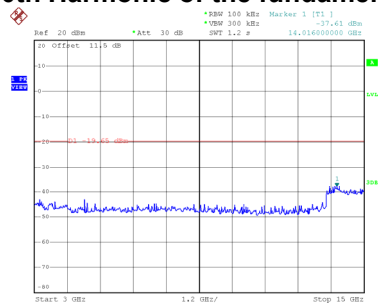


Date: 25.JAN.2022 10:04:46

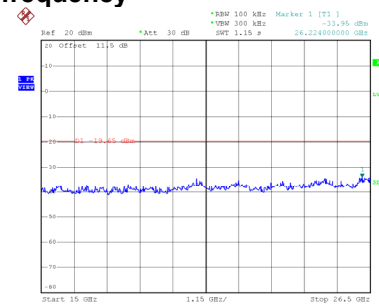
CH01 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:00:00

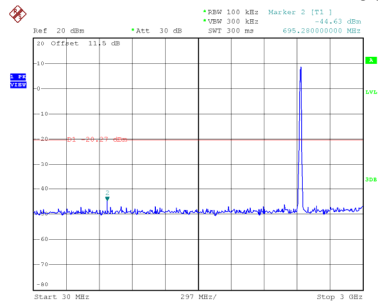


Date: 25.JAN.2022 10:00:09

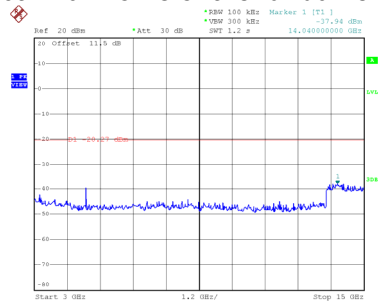


Date: 25.JAN.2022 10:00:18

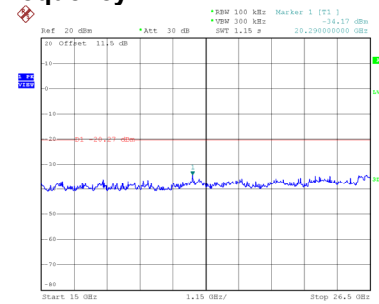
CH06 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:02:42

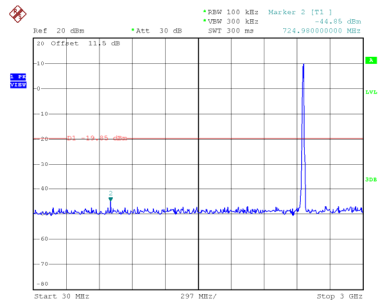


Date: 25.JAN.2022 10:02:51

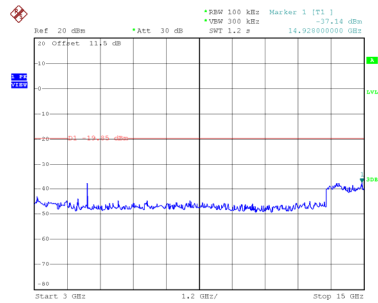


Date: 25.JAN.2022 10:03:00

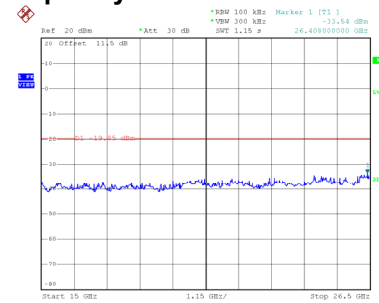
CH11 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:05:31



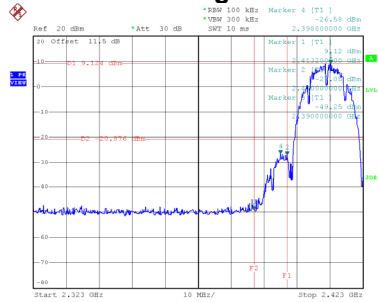
Date: 25.JAN.2022 10:06:06



Date: 25.JAN.2022 10:05:49

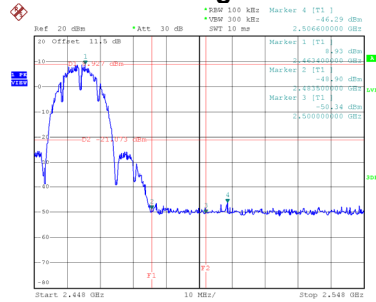
Test Mode TX B Mode_Ant. 2

Bandedge-CH01



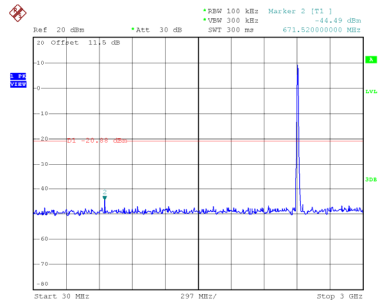
Date: 25.JAN.2022 11:05:46

Bandedge-CH11

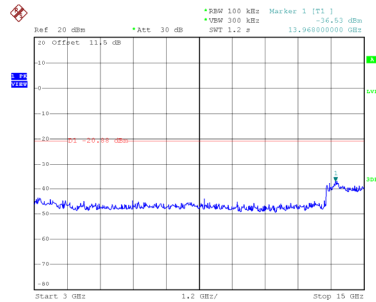


Date: 25.JAN.2022 11:10:35

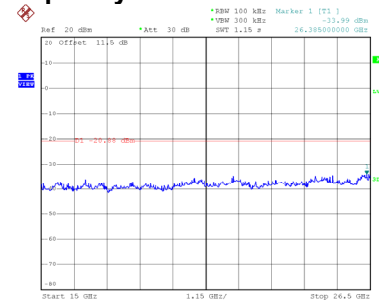
CH01 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 11:06:01

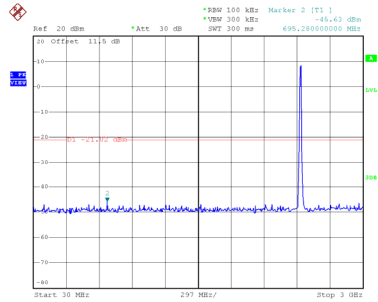


Date: 25.JAN.2022 11:06:10

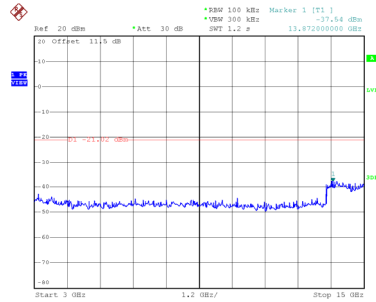


Date: 25.JAN.2022 11:06:19

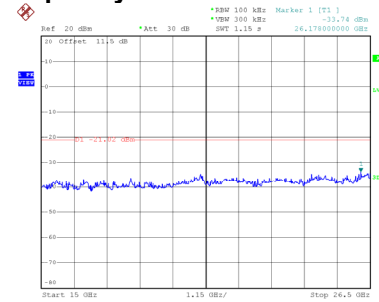
CH06 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 11:08:30

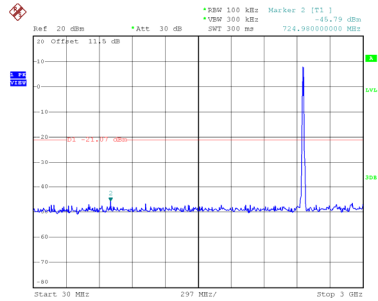


Date: 25.JAN.2022 11:08:39

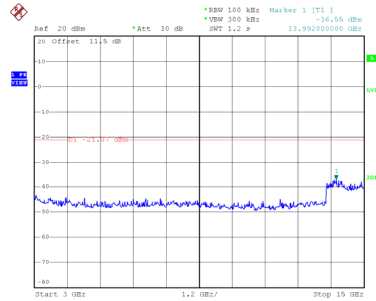


Date: 25.JAN.2022 11:08:48

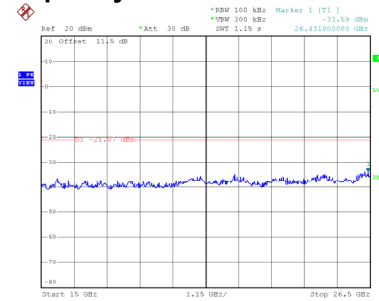
CH11 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 11:10:49



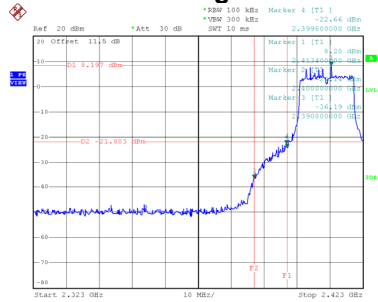
Date: 25.JAN.2022 11:10:58



Date: 25.JAN.2022 11:11:07

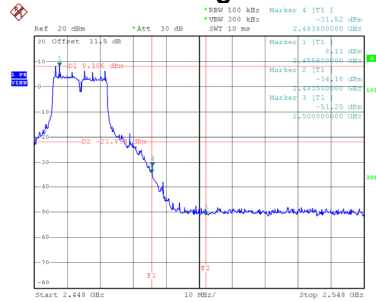
Test Mode TX G Mode_Ant. 1

Bandedge-CH01



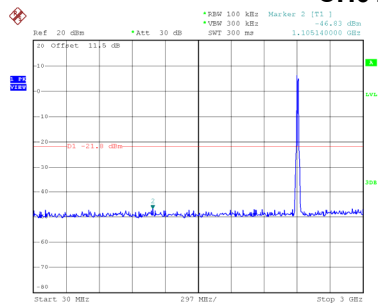
Date: 25.JAN.2022 10:08:49

Bandedge-CH11

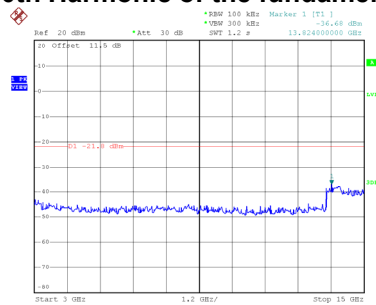


Date: 25.JAN.2022 10:14:29

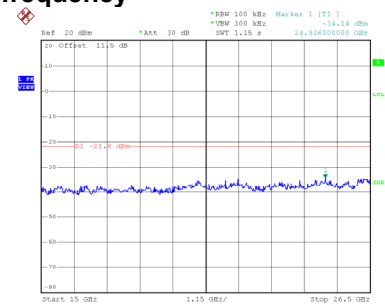
CH01 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:09:03

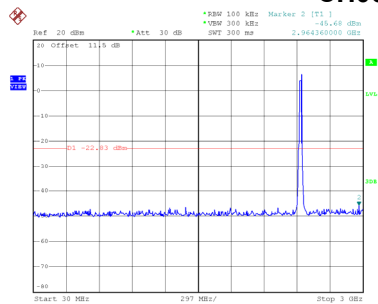


Date: 25.JAN.2022 10:09:12

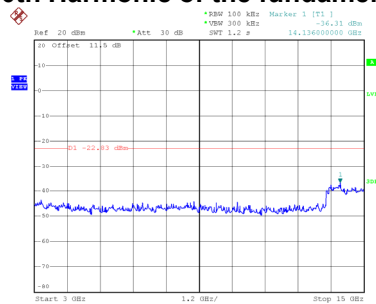


Date: 25.JAN.2022 10:09:21

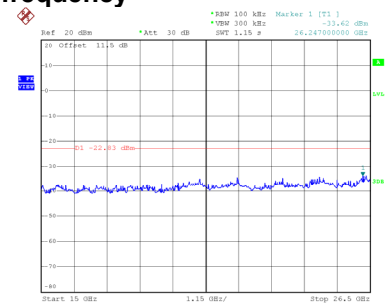
CH06 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:13:09

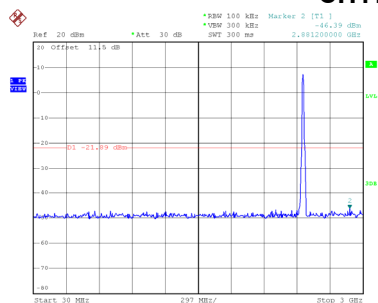


Date: 25.JAN.2022 10:13:18

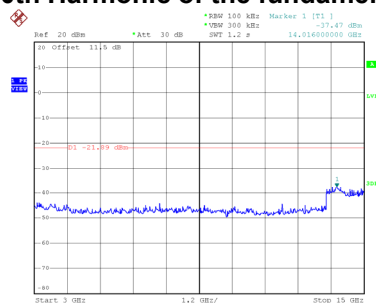


Date: 25.JAN.2022 10:13:27

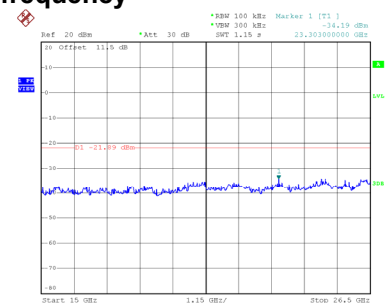
CH11 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:14:43



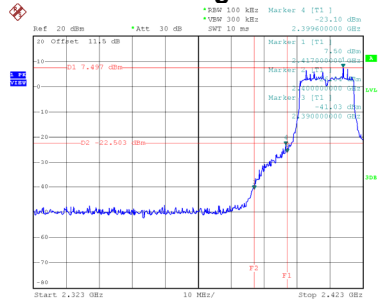
Date: 25.JAN.2022 10:14:52



Date: 25.JAN.2022 10:15:01

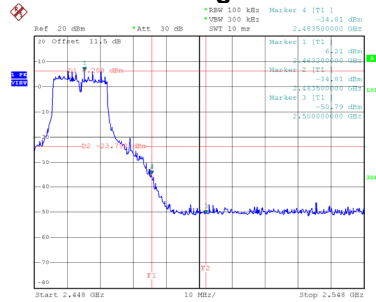
Test Mode TX G Mode_Ant. 2

Bandedge-CH01



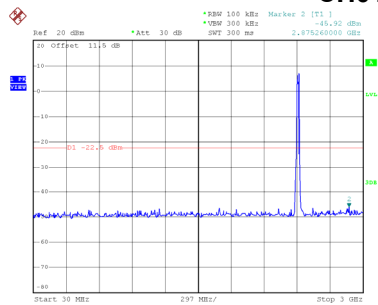
Date: 25.JAN.2022 10:46:54

Bandedge-CH11

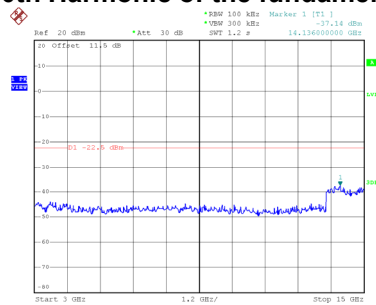


Date: 25.JAN.2022 10:50:05

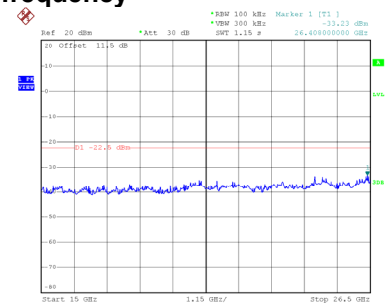
CH01 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:47:08

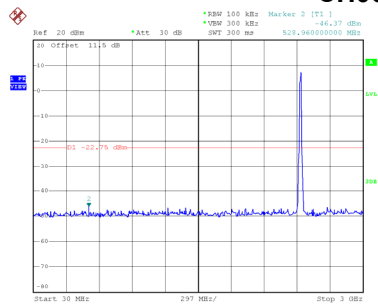


Date: 25.JAN.2022 10:47:17

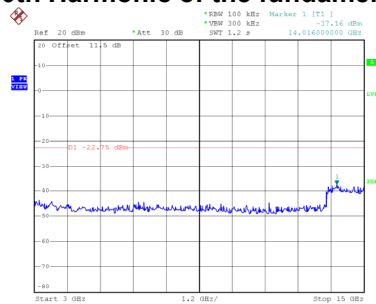


Date: 25.JAN.2022 10:47:26

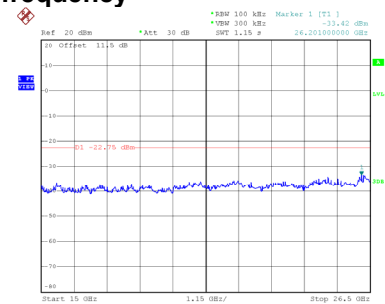
CH06 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:48:43

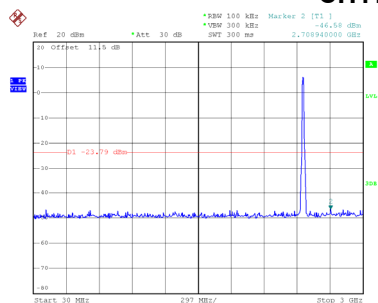


Date: 25.JAN.2022 10:48:52

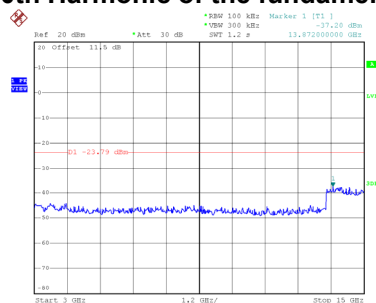


Date: 25.JAN.2022 10:49:01

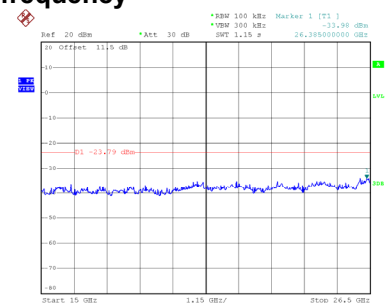
CH11 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:50:19



Date: 25.JAN.2022 10:50:28

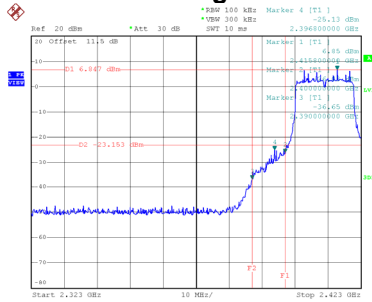


Date: 25.JAN.2022 10:50:37

Test Mode

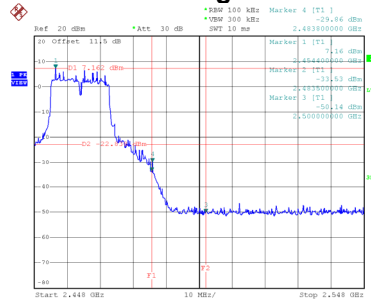
TX N(HT20) Mode_Ant. 1

Bandedge-CH01



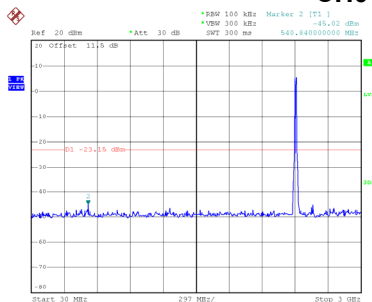
Date: 25.JAN.2022 10:20:47

Bandedge-CH11

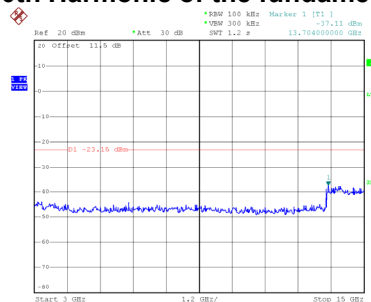


Date: 25.JAN.2022 10:25:01

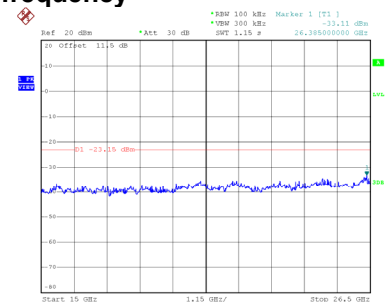
CH01 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:21:01

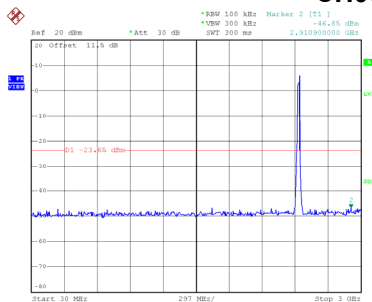


Date: 25.JAN.2022 10:21:10

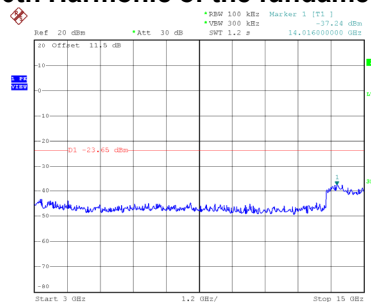


Date: 25.JAN.2022 10:21:19

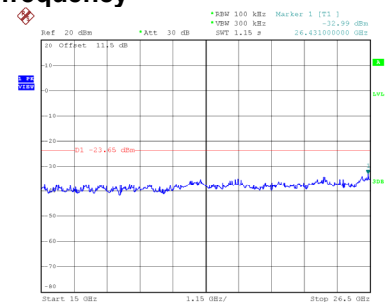
CH06 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:23:32

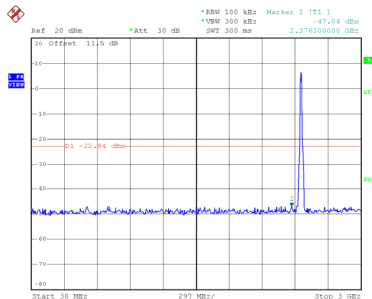


Date: 25.JAN.2022 10:23:41

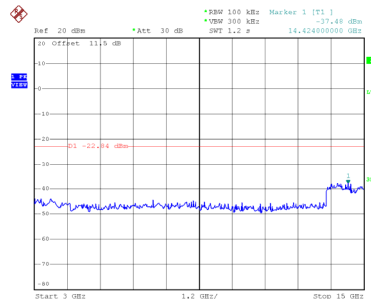


Date: 25.JAN.2022 10:23:50

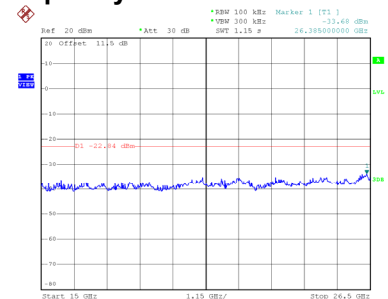
CH11 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:25:16

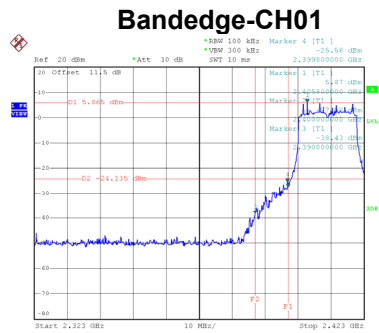


Date: 25.JAN.2022 10:25:25

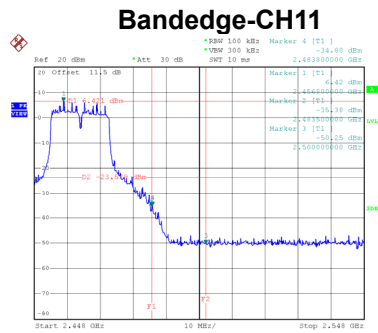


Date: 25.JAN.2022 10:25:34

Test Mode	TX N(HT20) Mode_Ant. 2
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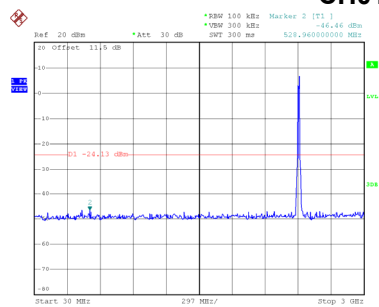


Date: 25.JAN.2022 10:52:22

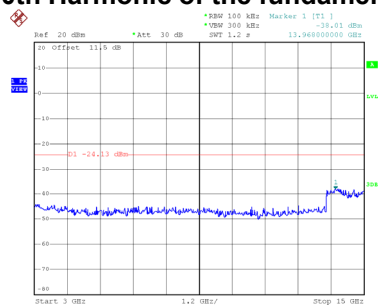


Date: 25.JAN.2022 10:56:00

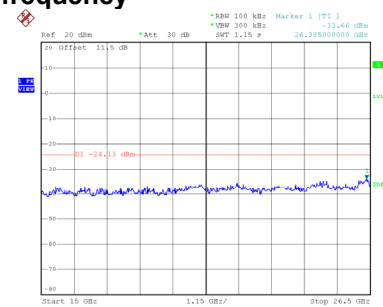
CH01 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:52:36

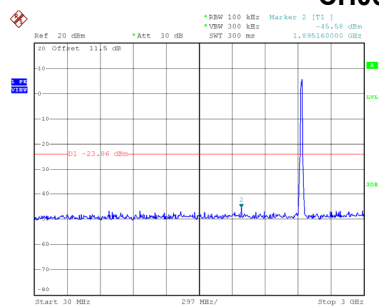


Date: 25.JAN.2022 10:52:45

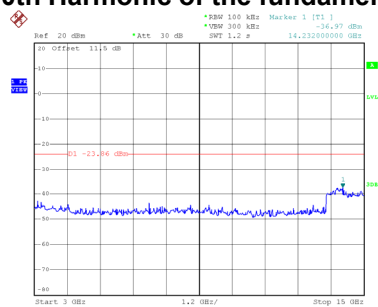


Date: 25.JAN.2022 10:52:54

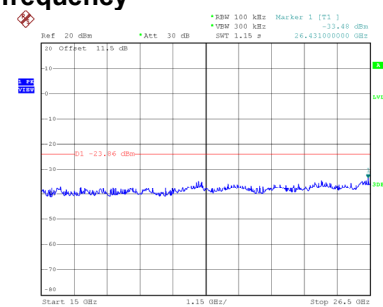
CH06 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:54:45

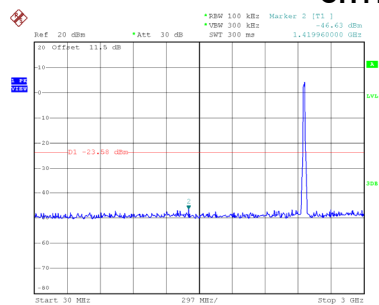


Date: 25.JAN.2022 10:54:54

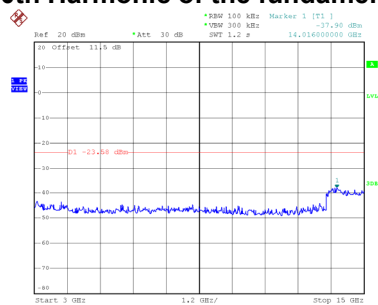


Date: 25.JAN.2022 10:55:02

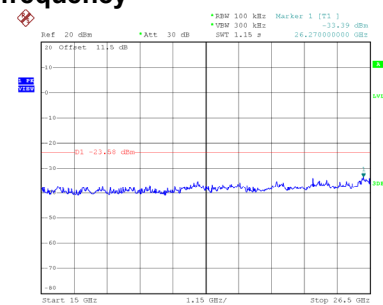
CH11 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:56:14



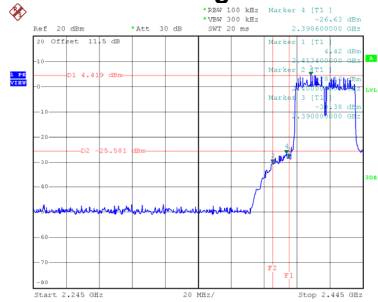
Date: 25.JAN.2022 10:56:23



Date: 25.JAN.2022 10:56:32

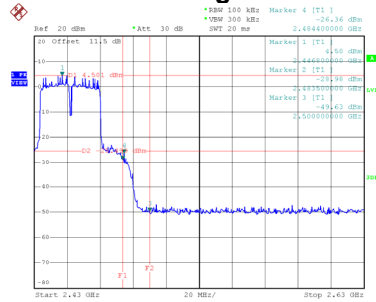
Test Mode TX N(HT40) Mode_Ant. 1

Bandedge-CH03



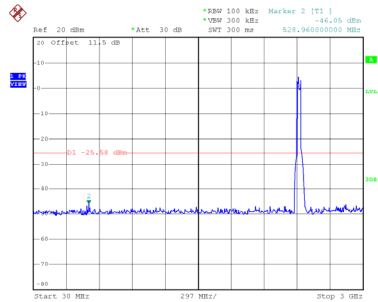
Date: 25.JAN.2022 10:28:16

Bandedge-CH09

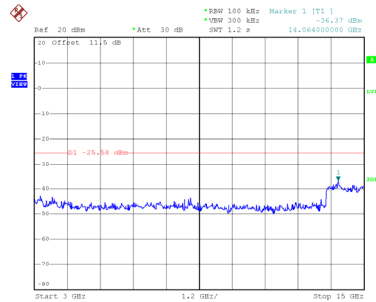


Date: 25.JAN.2022 10:32:42

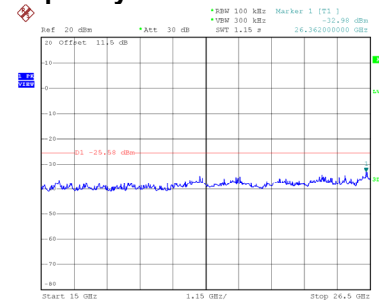
CH03 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:28:31

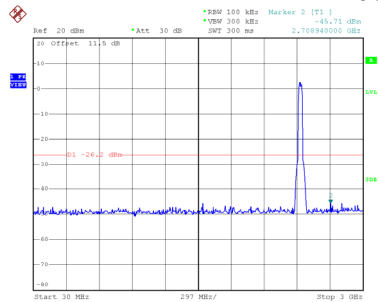


Date: 25.JAN.2022 10:28:40

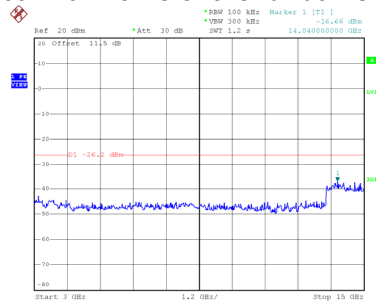


Date: 25.JAN.2022 10:28:49

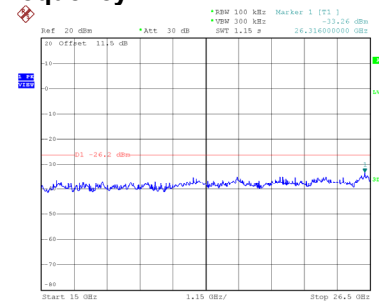
CH06 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:31:05

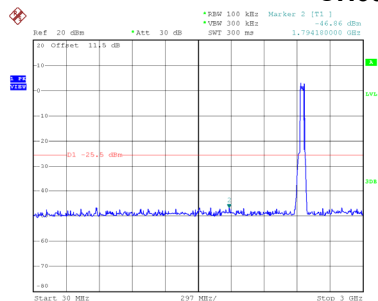


Date: 25.JAN.2022 10:31:14

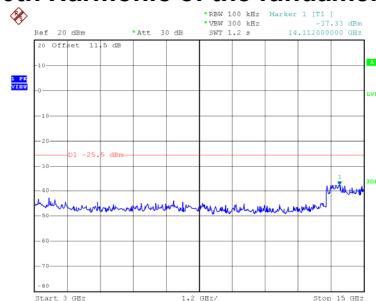


Date: 25.JAN.2022 10:31:23

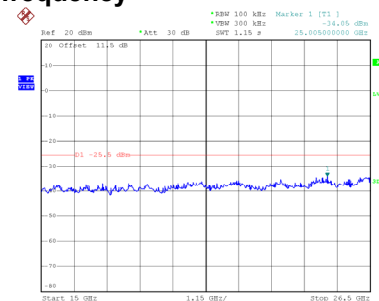
CH09 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:32:57



Date: 25.JAN.2022 10:33:06

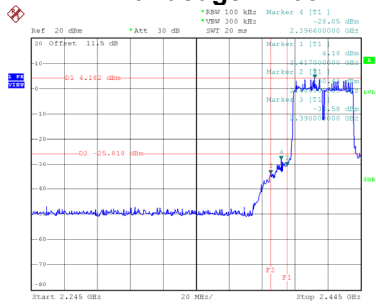


Date: 25.JAN.2022 10:33:14

Test Mode

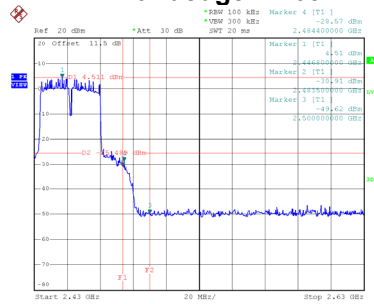
TX N(HT40) Mode_Ant. 2

Bandedge-CH03



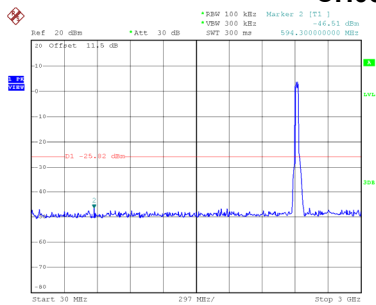
Date: 25.JAN.2022 10:57:36

Bandedge-CH09

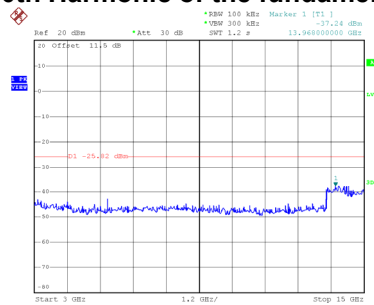


Date: 25.JAN.2022 11:03:08

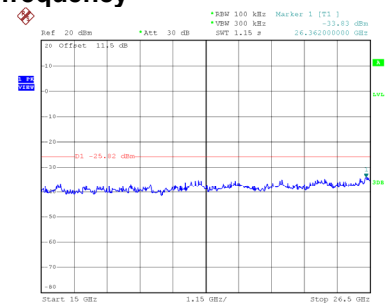
CH03 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 10:57:50

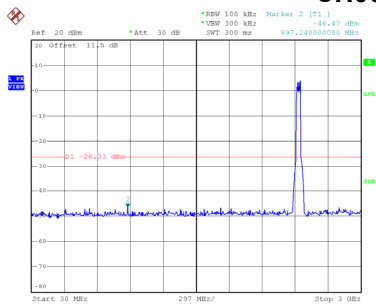


Date: 25.JAN.2022 10:57:59

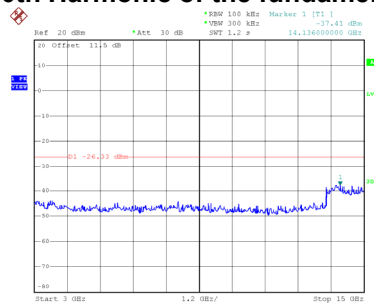


Date: 25.JAN.2022 10:58:08

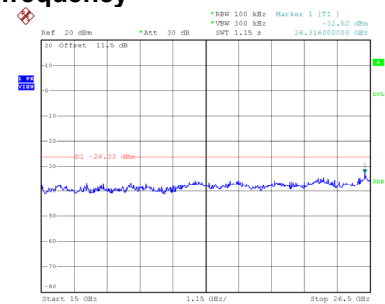
CH06 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 11:00:34

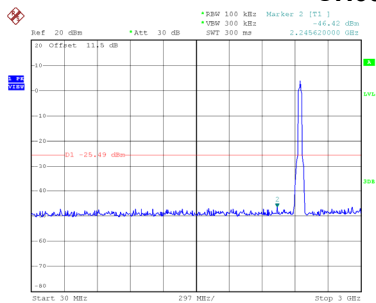


Date: 25.JAN.2022 11:00:43

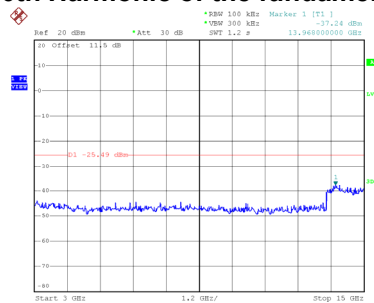


Date: 25.JAN.2022 11:00:52

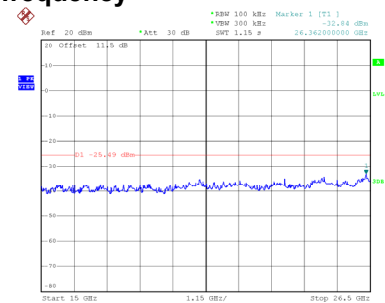
CH09 – 10th Harmonic of the fundamental frequency



Date: 25.JAN.2022 11:03:22



Date: 25.JAN.2022 11:03:31

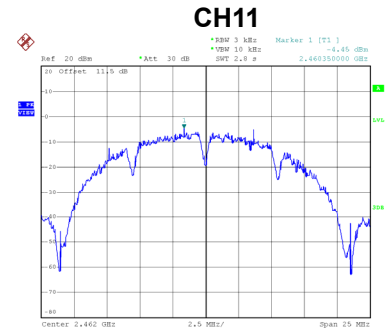
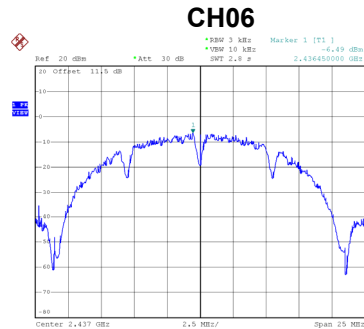
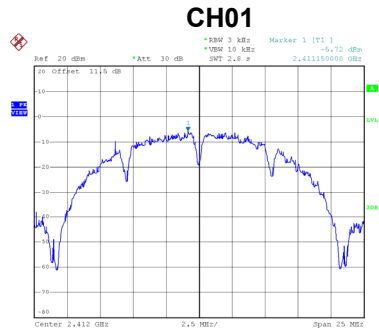


Date: 25.JAN.2022 11:03:40

APPENDIX H - POWER SPECTRAL DENSITY

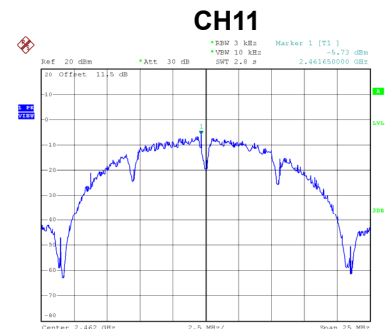
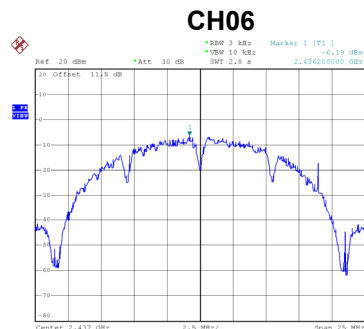
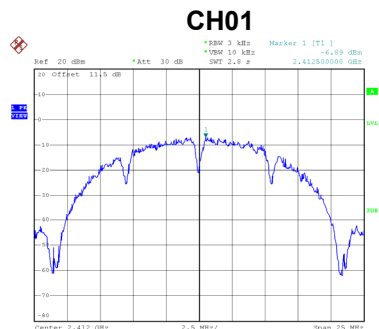
Test Mode	TX B Mode_Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-5.72	8.00	Complies
06	2437	-6.49	8.00	Complies
11	2462	-4.45	8.00	Complies



Test Mode	TX B Mode_Ant. 2
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-6.89	8.00	Complies
06	2437	-6.19	8.00	Complies
11	2462	-5.73	8.00	Complies

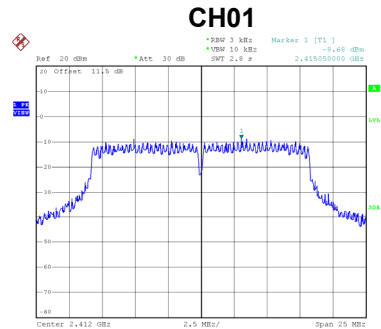


Test Mode	TX B Mode_Total
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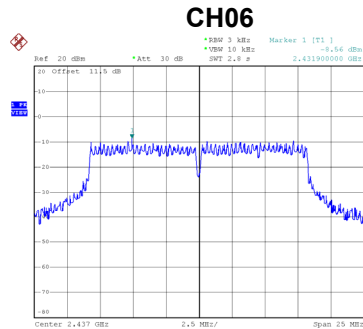
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-3.26	8.00	Complies
06	2437	-3.33	8.00	Complies
11	2462	-2.03	8.00	Complies

Test Mode	TX G Mode_Ant. 1
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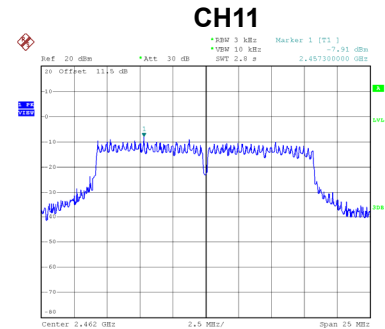
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-8.68	8.00	Complies
06	2437	-8.56	8.00	Complies
11	2462	-7.91	8.00	Complies



Date: 25.JAN.2022 10:07:54



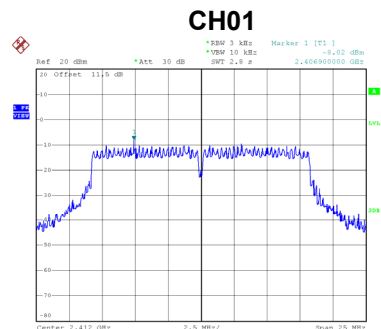
Date: 25.JAN.2022 10:12:18



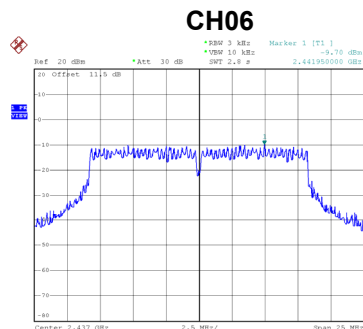
Date: 25.JAN.2022 10:13:52

Test Mode	TX G Mode_Ant. 2
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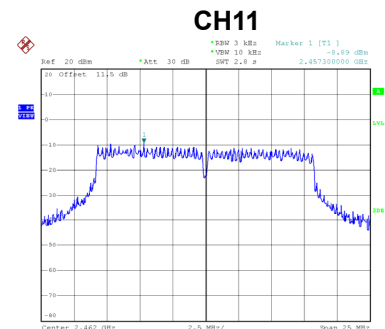
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-8.02	8.00	Complies
06	2437	-9.70	8.00	Complies
11	2462	-8.89	8.00	Complies



Date: 25.JAN.2022 10:47:36



Date: 25.JAN.2022 10:49:11



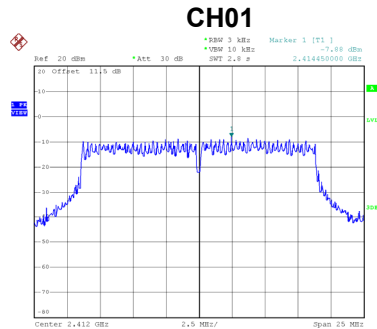
Date: 25.JAN.2022 10:50:47

Test Mode	TX G Mode_Total
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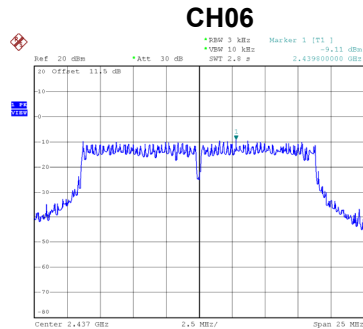
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-5.33	8.00	Complies
06	2437	-6.08	8.00	Complies
11	2462	-5.36	8.00	Complies

Test Mode	TX N(HT20) Mode_Ant. 1
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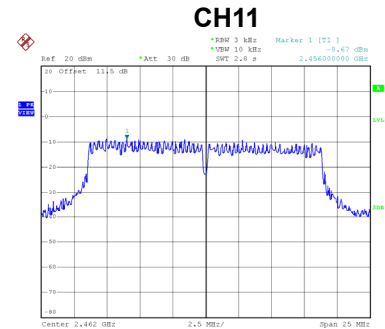
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-7.88	8.00	Complies
06	2437	-9.11	8.00	Complies
11	2462	-8.67	8.00	Complies



Date: 25.JAN.2022 10:17:23



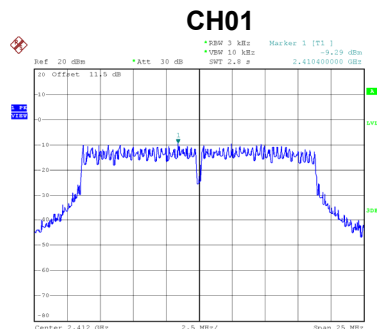
Date: 25.JAN.2022 10:22:27



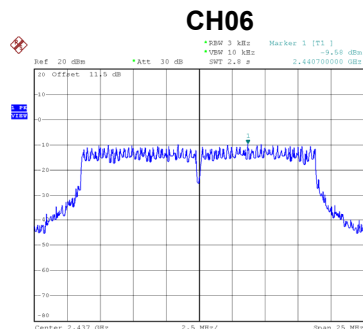
Date: 25.JAN.2022 10:24:27

Test Mode	TX N(HT20) Mode_Ant. 2
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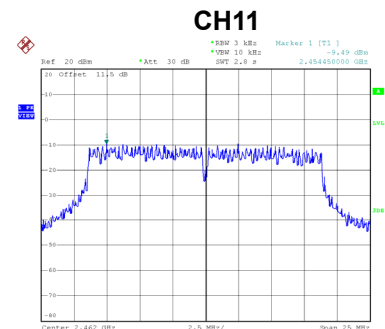
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-9.29	8.00	Complies
06	2437	-9.58	8.00	Complies
11	2462	-9.49	8.00	Complies



Date: 25.JAN.2022 10:53:04



Date: 25.JAN.2022 10:55:12



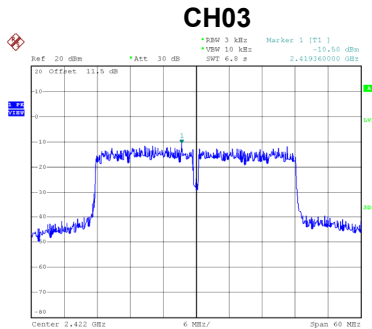
Date: 25.JAN.2022 10:56:42

Test Mode	TX N(HT20) Mode_Total
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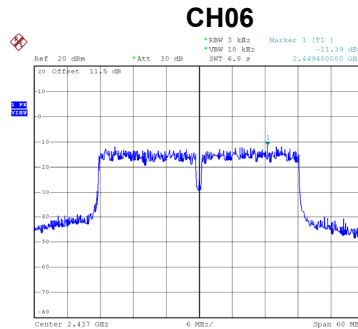
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
01	2412	-5.52	8.00	Complies
06	2437	-6.33	8.00	Complies
11	2462	-6.05	8.00	Complies

Test Mode	TX N(HT40) Mode_Ant. 1
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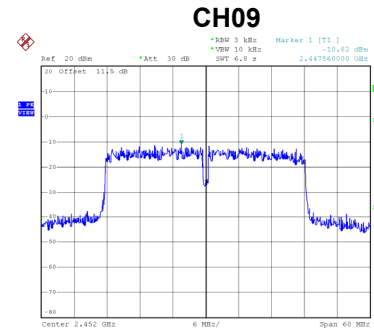
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-10.50	8.00	Complies
06	2437	-11.39	8.00	Complies
09	2452	-10.82	8.00	Complies



Date: 25.JAN.2022 10:27:41



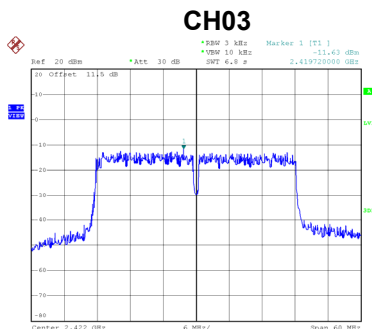
Date: 25.JAN.2022 10:29:11



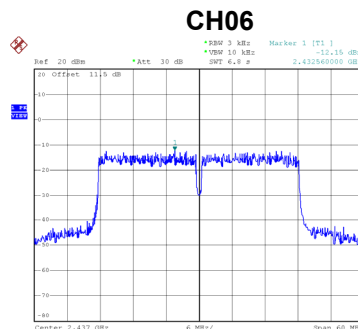
Date: 25.JAN.2022 10:31:52

Test Mode	TX N(HT40) Mode_Ant. 2
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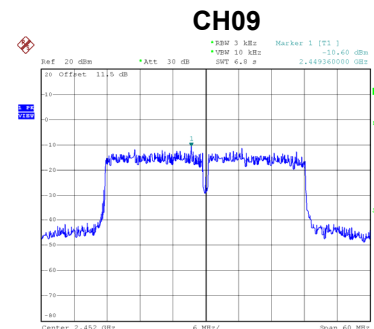
Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-11.63	8.00	Complies
06	2437	-12.15	8.00	Complies
09	2452	-10.60	8.00	Complies



Date: 25.JAN.2022 10:58:21



Date: 25.JAN.2022 11:01:05



Date: 25.JAN.2022 11:03:53

Test Mode	TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/3kHz)	Max. Limit (dBm/3kHz)	Result
03	2422	-8.02	8.00	Complies
06	2437	-8.74	8.00	Complies
09	2452	-7.70	8.00	Complies

End of Test Report