



FCC Radio Test Report

FCC ID: 2BH7FRE765X

This report concerns: Original Grant

Project No. : 2409G039
Equipment : AX3000 Wi-Fi 6 Range Extender with AC Passthrough
Brand Name : tp-link
Test Model : RE765X
Series Model : N/A
Applicant : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Manufacturer : TP-Link Systems Inc.
Address : 10 Mauchly, Irvine, CA 92618
Date of Receipt : Sep. 29, 2024
Date of Test : Oct. 09, 2024 ~ Nov. 22, 2024
Issued Date : Jan. 14, 2025
Report Version : R01
Test Sample : Engineering Sample No.: SSL2024092939 for AC Power Line
Conducted Emissions and Radiated Emissions, for SSL2024092940
conducted.
Standard(s) : FCC CFR Title 47, Part 15, Subpart C

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

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Declaration

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

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. BTL assumes no responsibility for the data provided by the customer, any statements, inferences or generalizations drawn by the customer or others from the reports issued by BTL.

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

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

Limitation

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

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

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REPORT ISSUED HISTORY

Report No.	Version	Description	Issued Date	Note
BTL-FCCP-1-2409G039	R00	Original Report.	Dec. 30, 2024	Invalid
BTL-FCCP-1-2409G039	R01	Revised report to address comments.	Jan. 14, 2025	Valid

1. APPLICABLE STANDARDS

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

ANSI C63.10-2013

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

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

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

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of 1-2/F, 4/F, Building A, 1-2/F, Building B, 3/F, Building C, No.3, Jinshagang 1st Road, Dalang Town, Dongguan City, Guangdong People's Republic of China

BTL's Registration Number for FCC: 747969

BTL's Designation Number for FCC: CN1377

2.2 MEASUREMENT UNCERTAINTY

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

The BTL measurement uncertainty as below table:

A. AC power line conducted emissions test:

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

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	4.40
		30MHz ~ 200MHz	H	3.62
		200MHz ~ 1,000MHz	V	4.58
		200MHz ~ 1,000MHz	H	3.98

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

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

C. Other Measurement:

Test Item	Uncertainty
Bandwidth	0.90 %
Maximum Output Power	1.3 dB
Conducted Spurious Emission	1.9 dB
Power Spectral Density	1.4 dB
Temperature	0.8 °C
Humidity	2.2 %

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

2.3 TEST ENVIRONMENT CONDITIONS

Test Item	Temperature	Humidity	Test Voltage	Tested By	Test Date
AC Power Line Conducted Emissions	25°C	52%	AC 120V/60Hz	Hayden Chen	Oct. 23, 2024
Radiated Emissions -9kHz to 30 MHz	26°C	47%	AC 120V/60Hz	Hayden Chen	Nov. 22, 2024
Radiated Emissions -30MHz to 1000MHz	21°C	50%	AC 120V/60Hz	Calvin Wen	Oct. 22, 2024
Radiated Emissions -Above 1000MHz	21°C	50%	AC 120V/60Hz	Allen Tong	Oct. 22, 2024
	24°C	51%	AC 120V/60Hz	Allen Tong	Oct. 29, 2024
Bandwidth	23°C	45%	AC 120V/60Hz	Arvin Tong	Oct. 25, 2024
Maximum Output Power	23°C	45%	AC 120V/60Hz	Arvin Tong	Oct. 25, 2024
Conducted Spurious Emissions	23°C	45%	AC 120V/60Hz	Arvin Tong	Oct. 25, 2024
Power Spectral Density	23°C	45%	AC 120V/60Hz	Arvin Tong	Oct. 25, 2024

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	AX3000 Wi-Fi 6 Range Extender with AC Passthrough
Brand Name	tp-link
Test Model	RE765X
Series Model	N/A
Model Difference(s)	N/A
Software Version	V1.0
Hardware Version	V1.0
Power Source	AC Mains.
Power Rating	125V~60Hz 15A
Operation Frequency	2412 MHz~ 2462 MHz
Modulation Type	IEEE 802.11b: DSSS IEEE 802.11g: OFDM IEEE 802.11n: OFDM IEEE 802.11ax: OFDMA
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 IEEE 802.11ax: up to 573.6 Mbps
Maximum Output Power Non Beamforming	IEEE 802.11b: 28.40dBm (0.6918 W)
Maximum Output Power Beamforming	IEEE 802.11n(HT20): 26.05dBm (0.4027 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), IEEE 802.11ax(HE20)							
CH03 - CH09 for IEEE 802.11n(HT40), IEEE 802.11ax(HE40)							
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.	Manufacturer	P/N	Antenna Type	Connector	Gain (dBi)
1	TP-Link Systems Inc.	3101507181	Dipole	IPEX	1.00
2	TP-Link Systems Inc.	3101507182	Dipole	IPEX	1.00

Note:

- This EUT supports CDD, and all antennas have the same gain, Directional gain = $G_{ANT} + \text{Array Gain}$. For power measurements, Array Gain=0dB ($N_{ANT} \leq 4$), so the Directional gain=1.00. For power spectral density measurements, $N_{ANT}=4$, $N_{SS} = 1$. So the Directional gain= $G_{ANT} + \text{Array Gain} = G_{ANT} + 10\log(N_{ANT}/N_{SS})\text{dBi} = 1.00 + 10\log(2/1)\text{dBi} = 4.01$.
- Beamforming Gain: 3.00 dB. So Beamforming Directional gain = $1.00 + 3.00 = 4.00$.

4. Table for Antenna Configuration:

For Non Beamforming:

Operating Mode	TX Mode	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)
IEEE 802.11ax(HE20)		V(Ant. 1 + Ant. 2)
IEEE 802.11ax(HE40)		V(Ant. 1 + Ant. 2)

For Beamforming:

Operating Mode	TX Mode	2TX
IEEE 802.11n(HT20)		V(Ant. 1 + Ant. 2)
IEEE 802.11n(HT40)		V(Ant. 1 + Ant. 2)
IEEE 802.11ax(HE20)		V(Ant. 1 + Ant. 2)
IEEE 802.11ax(HE40)		V(Ant. 1 + Ant. 2)

3.2 DESCRIPTION OF TEST MODES

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

Pretest Mode	Description
Mode 1	TX 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 AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09
Mode 7	TX B Mode Channel 06
Mode 8	TX B Mode Channel 01/02/06/10/11
Mode 9	TX G Mode Channel 01/02/06/10/11
Mode 10	TX N(HT20) Mode Channel 01/02/06/10/11
Mode 11	TX N(HT40) Mode Channel 03/04/06/08/09
Mode 12	TX AX(HE20) Mode Channel 01/02/06/10/11
Mode 13	TX AX(HE40) Mode Channel 03/04/06/08/09

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 7	TX B Mode Channel 06

Radiated emissions test - Below 1GHz	
Final Test Mode	Description
Mode 7	TX B Mode Channel 06

Radiated emissions test_ Above 1GHz	
Final Test Mode	Description
Mode 8	TX B Mode Channel 01/02/06/10/11
Mode 9	TX G Mode Channel 01/02/06/10/11
Mode 10	TX N(HT20) Mode Channel 01/02/06/10/11
Mode 11	TX N(HT40) Mode Channel 03/04/06/08/09
Mode 12	TX AX(HE20) Mode Channel 01/02/06/10/11
Mode 13	TX AX(HE40) Mode Channel 03/04/06/08/09

Maximum Output Power test_ Non Beamforming	
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
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09

Maximum Output Power test_ Beamforming	
Final Test Mode	Description
Mode 3	TX N(HT20) Mode Channel 01/06/11
Mode 4	TX N(HT40) Mode Channel 03/06/09
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) Mode Channel 03/06/09

Other Conducted test_ Non Beamforming	
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
Mode 5	TX AX(HE20) Mode Channel 01/06/11
Mode 6	TX AX(HE40) 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 1GHz test, the TX B Mode Channel 06 is found to be the worst case and recorded.
- (3) For radiated emission above 1 GHz test, the spurious points of 1GHz~26.5GHz have been pre-tested and in this report only recorded the worst case. The remaining spurious points are all below the limit value of 20dB.
- (4) For radiated emission Harmonic 18-26.5GHz test, only tested the worst case and recorded.
- (5) The measurements for Output Power are tested, the Non Beamforming and Beamforming are recorded in the report. The worst case is Non Beamforming and only the worst case is documented for other test items.
- (6) For radiated emission above 1GHz test, the Vertical antennas and Horizontal antennas are evaluated, the worst case is recorded.
- (7) IEEE 802.11ax mode only supports full RU, so only the full RU is evaluated and measured inside report.

3.3 PARAMETERS OF TEST SOFTWARE

Non Beamforming

Test Software Version	QDART-1.0.67		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	20.5	25	21.5
IEEE 802.11g	17	24	17
IEEE 802.11n(HT20)	16.5	24.5	16.5
IEEE 802.11ax(HE20)	15.5	24.5	17
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	14	18	13.5
IEEE 802.11ax(HE40)	14	18	13.5

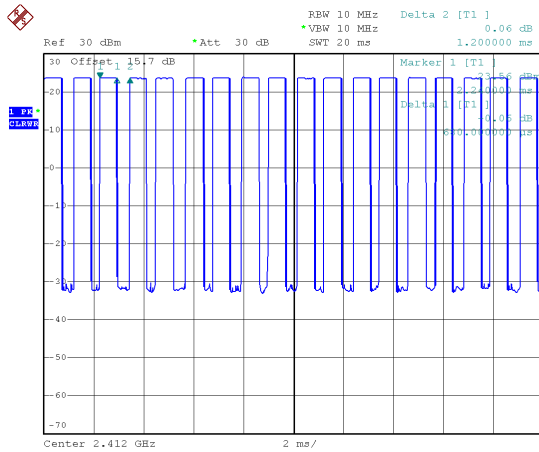
Beamforming

Test Software Version	QDART-1.0.67		
Frequency (MHz)	2412	2437	2462
IEEE 802.11n(HT20)	15.34	22.56	15.21
IEEE 802.11ax(HE20)	14.38	22.62	15.82
Frequency (MHz)	2422	2437	2452
IEEE 802.11n(HT40)	13.87	17.69	13.54
IEEE 802.11ax(HE40)	14.12	17.16	13.87

3.4 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.

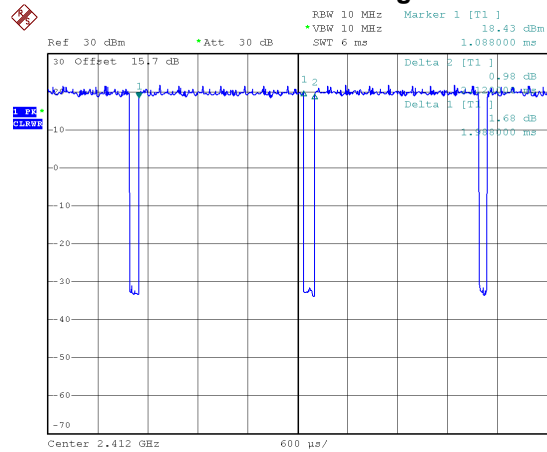
IEEE 802.11b



Date: 25.OCT.2024 14:43:39

Duty cycle = 0.680 ms / 1.200 ms = 56.67%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 2.47$

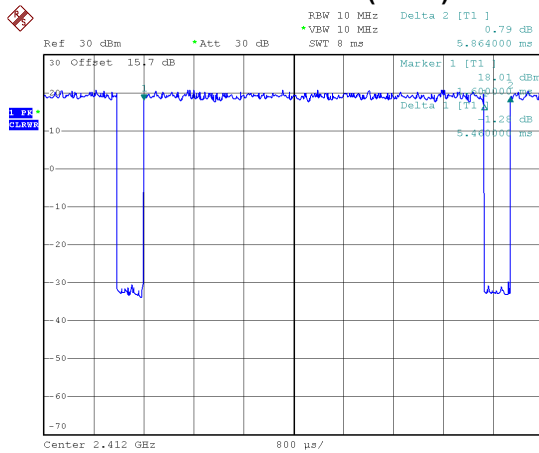
IEEE 802.11g



Date: 25.OCT.2024 14:44:34

Duty cycle = 1.988 ms / 2.120 ms = 93.77%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.28$

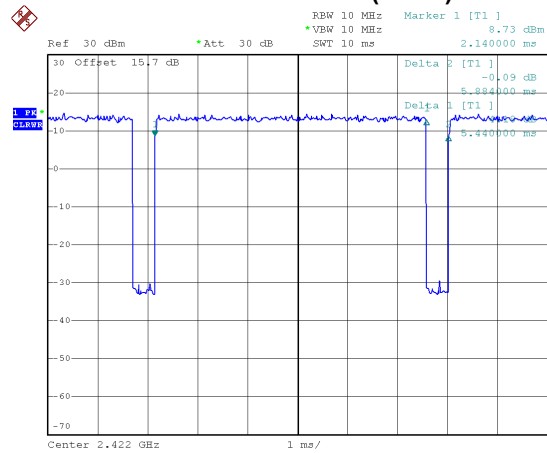
IEEE 802.11n(HT20)



Date: 25.OCT.2024 14:45:07

Duty cycle = 5.460 ms / 5.864 ms = 93.11%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.31$

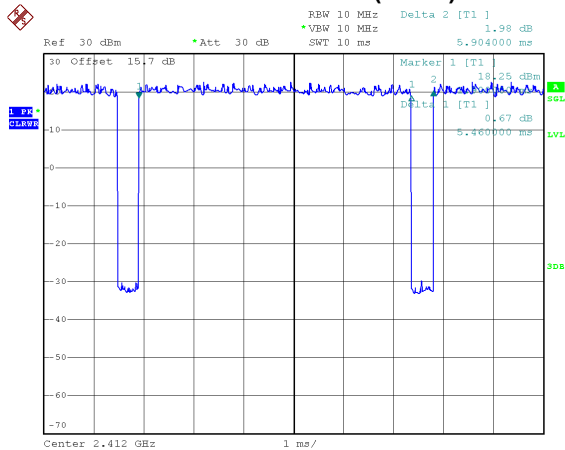
IEEE 802.11n(HT40)



Date: 25.OCT.2024 14:45:43

Duty cycle = 5.440 ms / 5.884 ms = 92.45%
 Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.34$

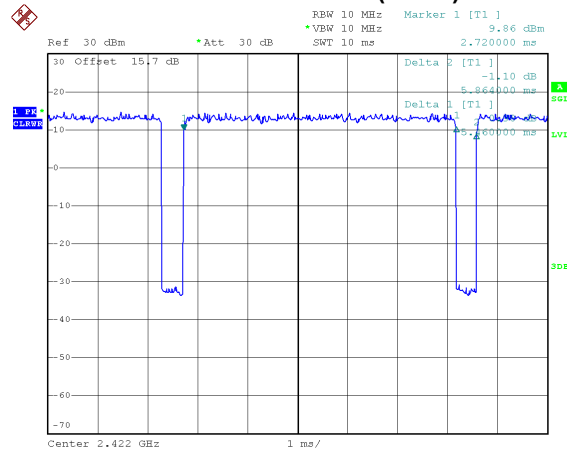
IEEE 802.11ax(HE20)



Date: 25.OCT.2024 14:46:23

Duty cycle = 5.460 ms / 5.904 ms = 92.48%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.34$

IEEE 802.11ax(HE40)



Date: 25.OCT.2024 14:46:53

Duty cycle = 5.460 ms / 5.864 ms = 93.11%
Duty Factor = $10 \log(1/\text{Duty cycle}) = 0.31$

NOTE:

For IEEE 802.11b:

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

For IEEE 802.11g:

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

For IEEE 802.11n(HT20):

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

For IEEE 802.11n(HT40):

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

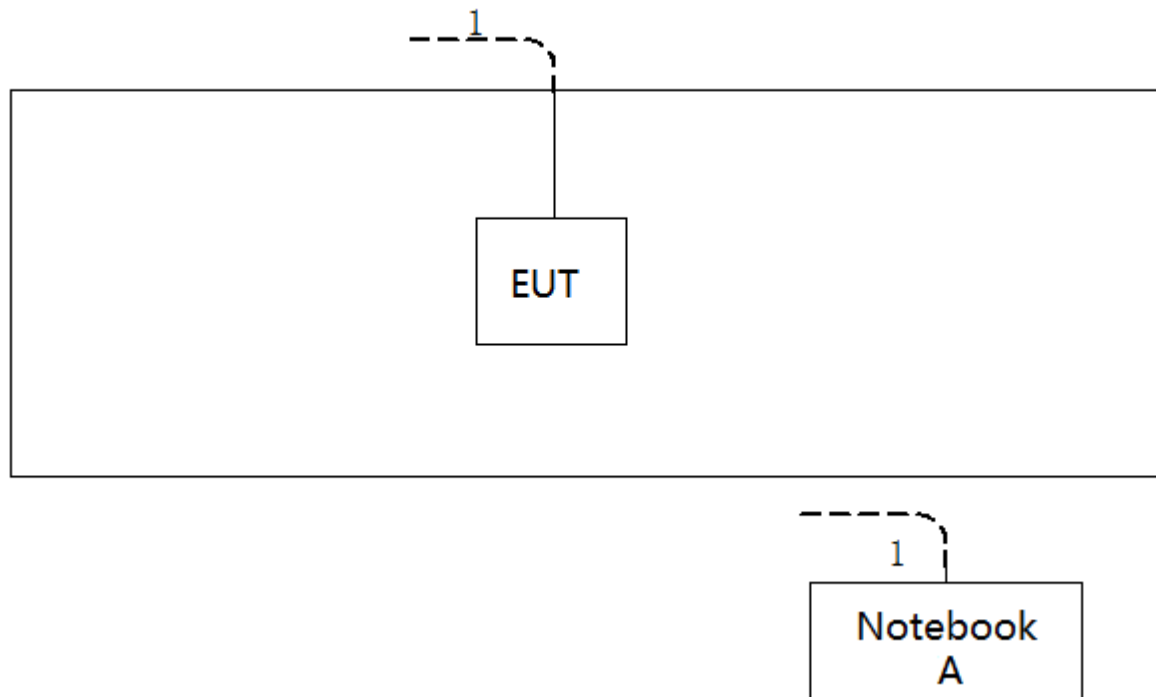
For IEEE 802.11ax(HE20):

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 802.11ax(HE40):

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

3.5 BLOCKDIAGRAMSHOWINGTHECONFIGURATIONOFSYSTEMTESTED



3.6 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	RJ45 Cable	NO	NO	10m

3.7 CUSTOMER INFORMATION DESCRIPTION

- 1) The antenna gain and beamforming gain are provided by the manufacturer.
- 2) Except for AC power line conducted emissions and radiated emissions, the results of all test items include cable losses. Part of the cable losses (0.5dB) are provided by the manufacturer, while the other parts of the cable losses are provided by the testing laboratory.

4. AC POWER LINE CONDUCTED EMISSIONS

4.1 LIMIT

Frequency of Emission (MHz)	Limit (dB μ V)	
	Quasi-peak	Average
0.15 -0.5	66to 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.

4.2 TEST PROCEDURE

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

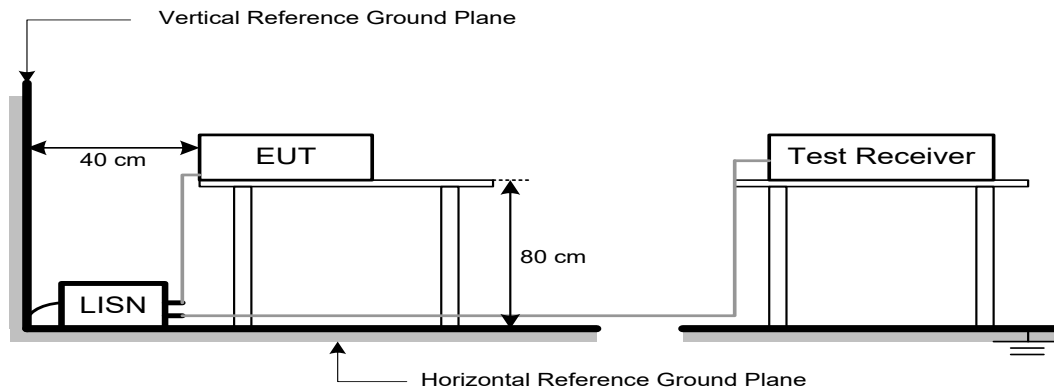
The following table is the setting of the receiver:

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

4.3 DEVIATIONFROMTESTSTANDARD

No deviation.

4.4 TESTSETUP



4.5 EUT OPERATION CONDITIONS

EUT was programmed to be in continuously transmitting mode.

4.6 TEST RESULTS

Please refer to the APPENDIX A.

5. RADIATED EMISSIONS

5.1 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-1000MHz)

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	Band edge/ Harmonic at 3m (dBμV/m)		Harmonic at 1m (dBμV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	83.5 (Note 4)	63.5 (Note 4)

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)

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

20log (d_{limit}/d_{measure})=20log (3/1)=9.5 dB.

FS_{limit}: Harmonic at 3m Peak and Average limit.

FS_{max}: Harmonic at 1m Peak and Average Maximum value.

d_{limit}: Harmonic at 3m test distance.

d_{measure}: HarmonicActual test distance.

5.2 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 1GHz)
- The measuring distance of 3 m or 1m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- 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 1GHz.
- 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 1GHz)
- All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- 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)	1MHz / 3MHz for PK value 1MHz / 1/THz for AVG value

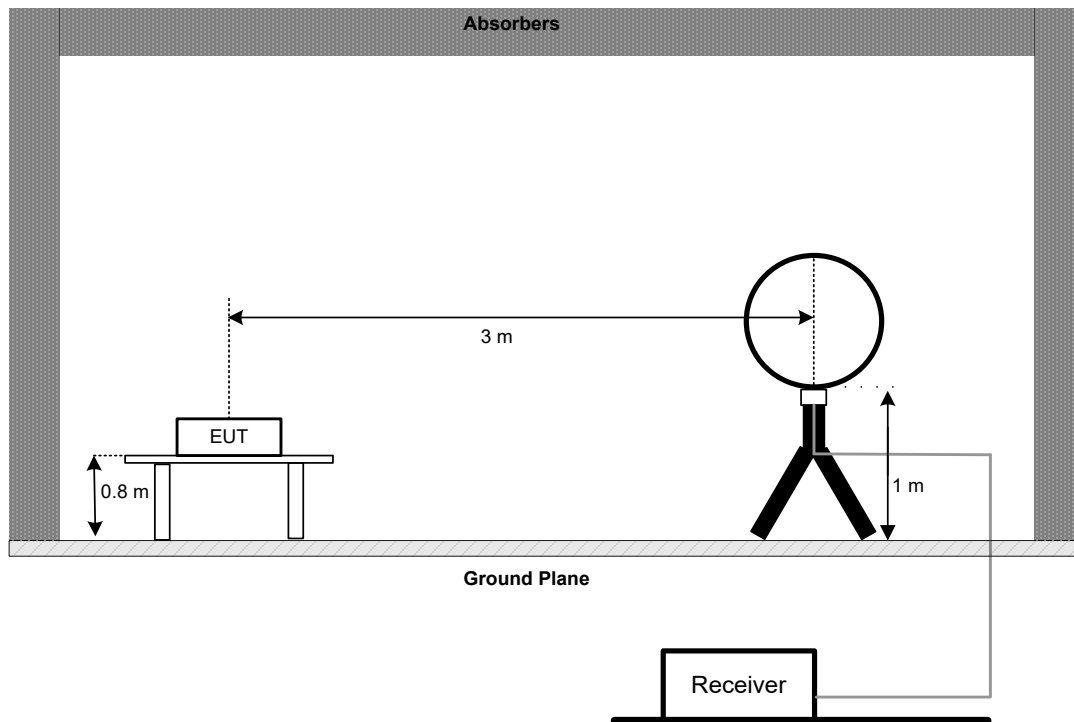
Receiver Parameters	Setting
Start ~ Stop Frequency	9 kHz~90 kHz for PK/AVG detector
Start ~ Stop Frequency	90 kHz~110 kHz for QP detector
Start ~ Stop Frequency	110 kHz~490 kHz for PK/AVG detector
Start ~ Stop Frequency	490 kHz~30 MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector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

5.3 DEVIATIONFROMTESTSTANDARD

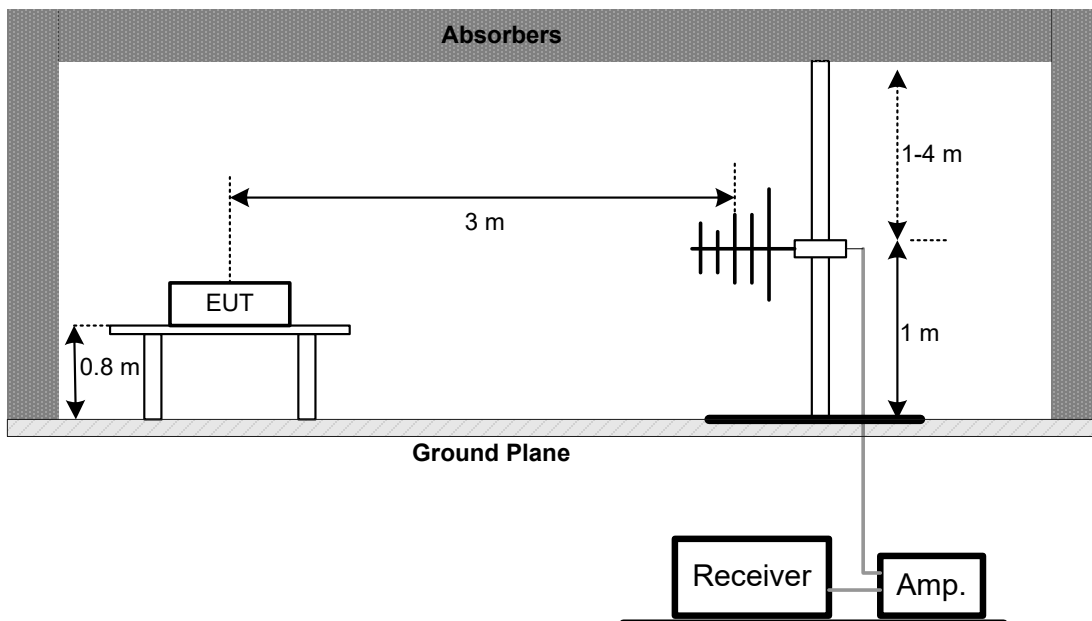
No deviation.

5.4 TESTSETUP

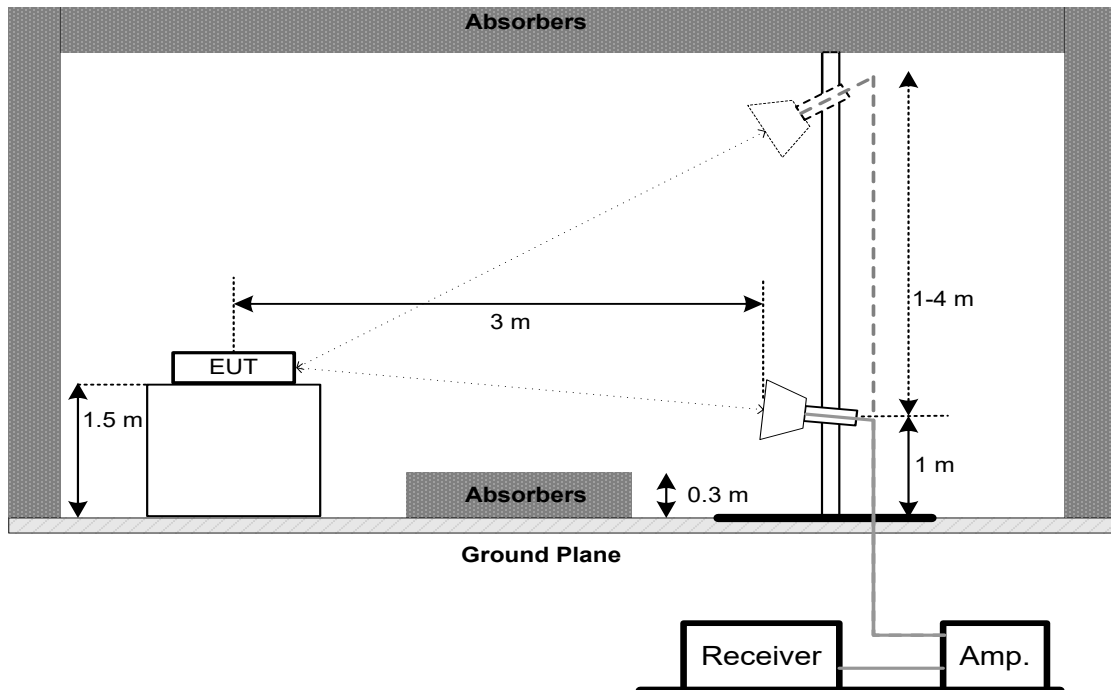
9 kHzto30MHz



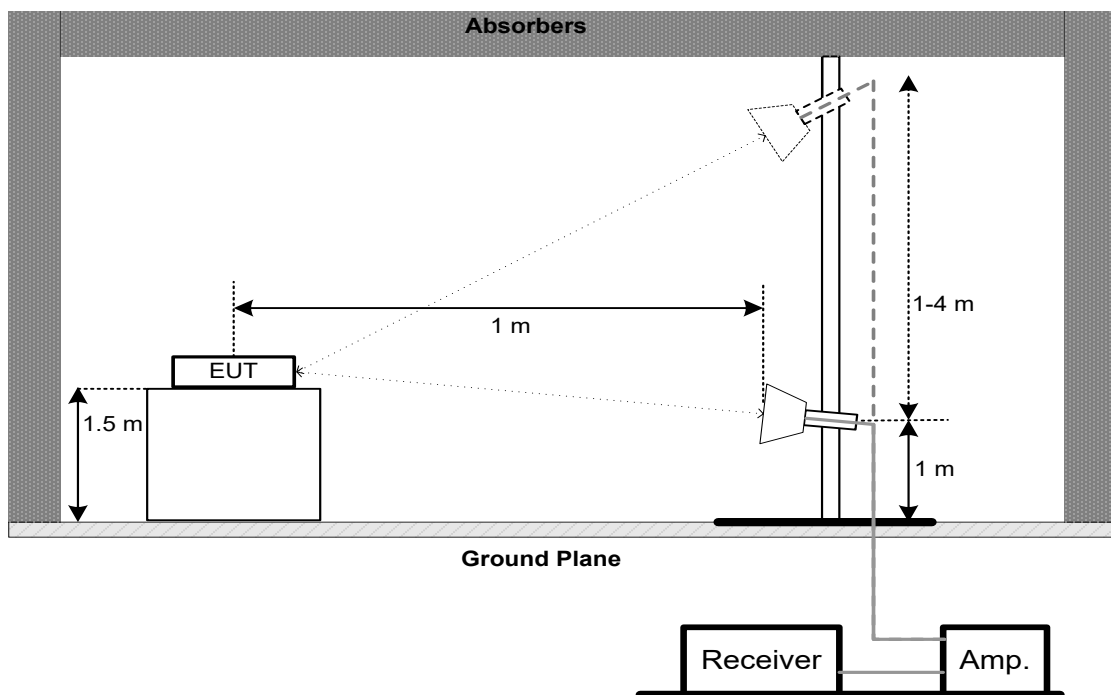
30 MHz to 1 GHz



Above 1 GHz Band edge & Harmonic(1 GHz to 18 GHz)



Harmonic(18 GHz to 26.5 GHz)



5.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.6 TEST RESULTS - 9 KHZ TO 30MHZ

Please refer to the APPENDIX B.

Remark:

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

5.7 TEST RESULTS - 30 MHZ TO 1000MHZ

Please refer to the APPENDIX C.

5.8 TEST RESULTS- ABOVE 1000MHZ

Please refer to the APPENDIX D.

Remark:

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

6. BANDWIDTH

6.1 LIMIT

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

6.2 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

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 TESTRESULTS

Please refer to the APPENDIX E.

7. MAXIMUM OUTPUT POWER

7.1 LIMIT

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

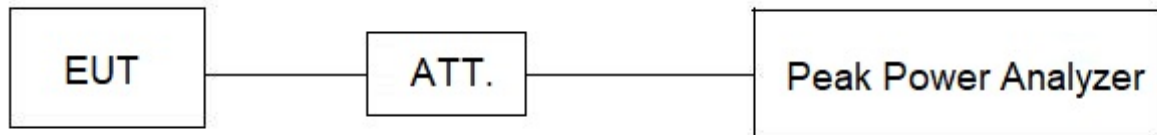
7.2 TEST PROCEDURE

- The EUT was directly connected to the peak power analyzer and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.2.3.1 (for AVG power) of ANSI C63.10-2013 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

7.3 DEVIATION FROM STANDARD

No deviation.

7.4TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.6 TESTRESULTS

Please refer to the APPENDIX F.

8. CONDUCTED SPURIOUS EMISSIONS

8.1 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.

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
Start Frequency	30 MHz
Stop Frequency	26.5 GHz
RBW	100 kHz
VBW	300 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 TESTRESULTS

Please refer to the APPENDIX G.

9. POWER SPECTRAL DENSITY

9.1 LIMIT

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

9.2 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

9.3 DEVIATION FROM STANDARD

No deviation.

9.4 TEST SETUP



9.5 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

9.6 TEST RESULTS

Please refer to the APPENDIX H.

10. MEASUREMENT INSTRUMENTS LIST

AC Power Line Conducted Emissions					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI TEST RECEIVER	R&S	ESCI	100382	Dec. 22, 2024
2	TWO-LINE V-NETWORK	R&S	ENV216	101447	Dec. 22, 2024
3	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
4	Cable	N/A	SFT205-NMNM-9M -001	9M	Nov. 27, 2024
5	643 Shield Room	ETS	6*4*3	N/A	N/A

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

Radiated Emissions - 30 MHz to 1 GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Trilog-Broadband Antenna	Schwarzbeck	VULB 9168	1462	Dec. 13, 2024
2	Attenuator	EMC INSTRUMENT	EMCI-N-6-06	AT-06009	Dec. 13, 2024
3	Preamplifier	EMC INSTRUMENT	EMC001330	980998	Nov. 17, 2024
4	Cable	RegalWay	LMR400-NMNM-12 .5m	N/A	Jun. 06, 2025
5	Cable	RegalWay	LMR400-NMNM-3 m	N/A	Jun. 06, 2025
6	Cable	RegalWay	LMR400-NMNM-0. 5m	N/A	Jun. 06, 2025
7	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
8	Positioning Controller	MF	MF-7802	N/A	N/A
8	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
10	966 Chamber room	CM	9*6*6	N/A	May 16, 2025

Radiated Emissions - Above 1GHz					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Receiver	Agilent	N9038A	MY52130039	Dec. 22, 2024
2	Preamplifier	EMC INSTRUMENT	EMC118A45SE	980888	Nov. 17, 2024
3	Double Ridged Guide Antenna	ETS	3115	75789	Jun. 15, 2025
4	Cable	RegalWay	RWLP50-4.0A-SMS M-12.5M	N/A	Jul. 03, 2025
5	Cable	RegalWay	RWLP50-4.0A-NM RASM-2.5M	N/A	Jul. 03, 2025
6	Cable	RegalWay	RWLP50-4.0A-NM RASMRA-0.8M	N/A	Jul. 03, 2025
7	966 Chamber room	CM	9*6*6	N/A	May 19, 2025
8	Filter	STI	STI15-9912	N/A	May 31, 2025
9	Attenuator	Talent Microwave	TA10A2-S-18	N/A	N/A
10	Positioning Controller	MF	MF-7802	N/A	N/A
11	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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	May 31, 2025
2	Measurement Software	BTL	BTL Conducted Test	N/A	N/A
3	Isolation attenuator	Z-Link	ASMA-16-18-2W	N/A	N/A
4	EXA Spectrum Analyzer	Keysight	N9010A	MY55150209	Aug. 20, 2025

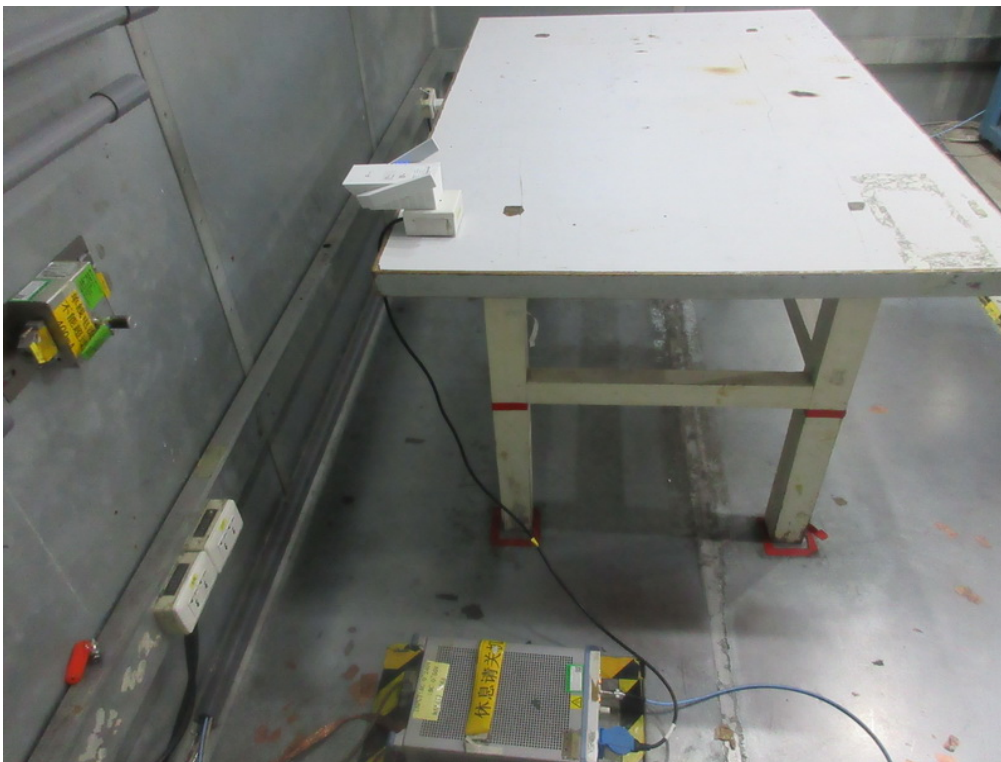
Maximum Output Power					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Peak Power Analyzer	Keysight	8990B	MY51000506	May 31, 2025
2	Wideband power sensor	Keysight	N1923A	MY58310004	May 31, 2025
3	Isolation attenuator	Z-Link	ASMA-10-18-2W	N/A	N/A

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

All calibration period of equipment list is one year.

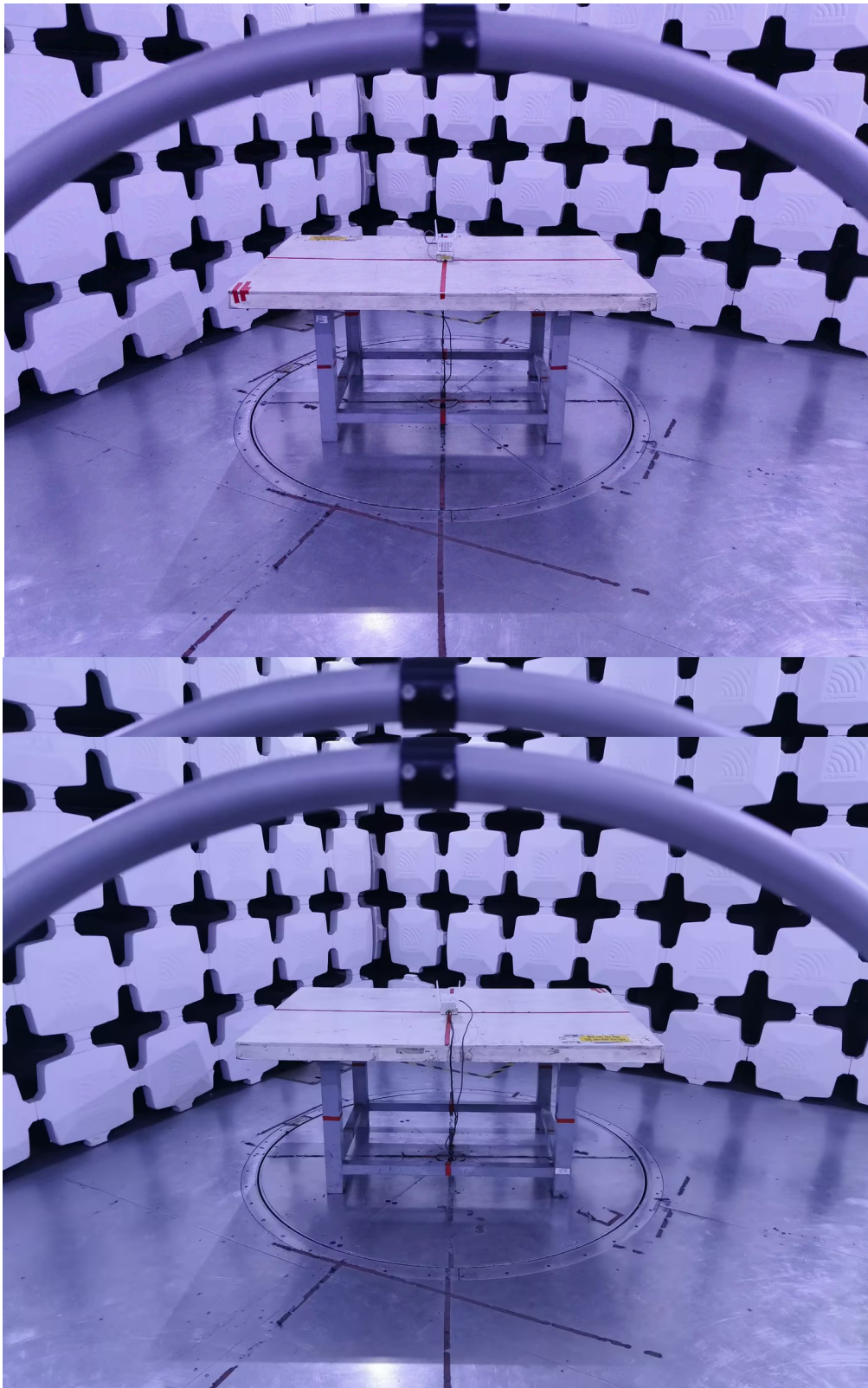
11. EUT TEST PHOTO

AC Power Line Conducted Emissions Test Photos



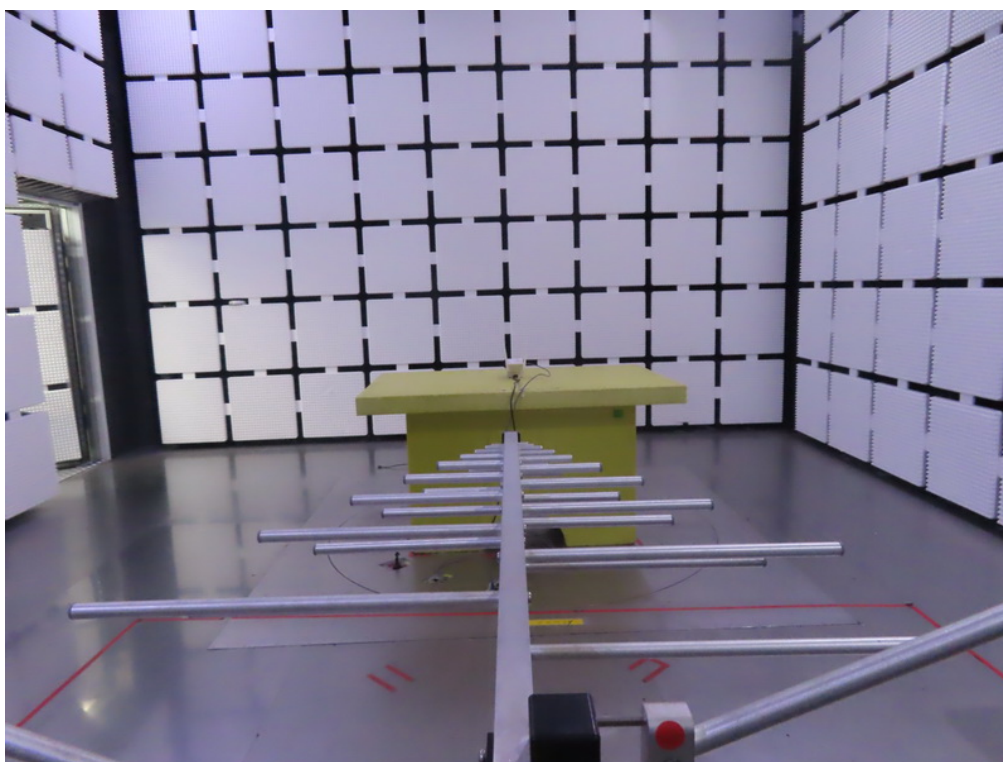
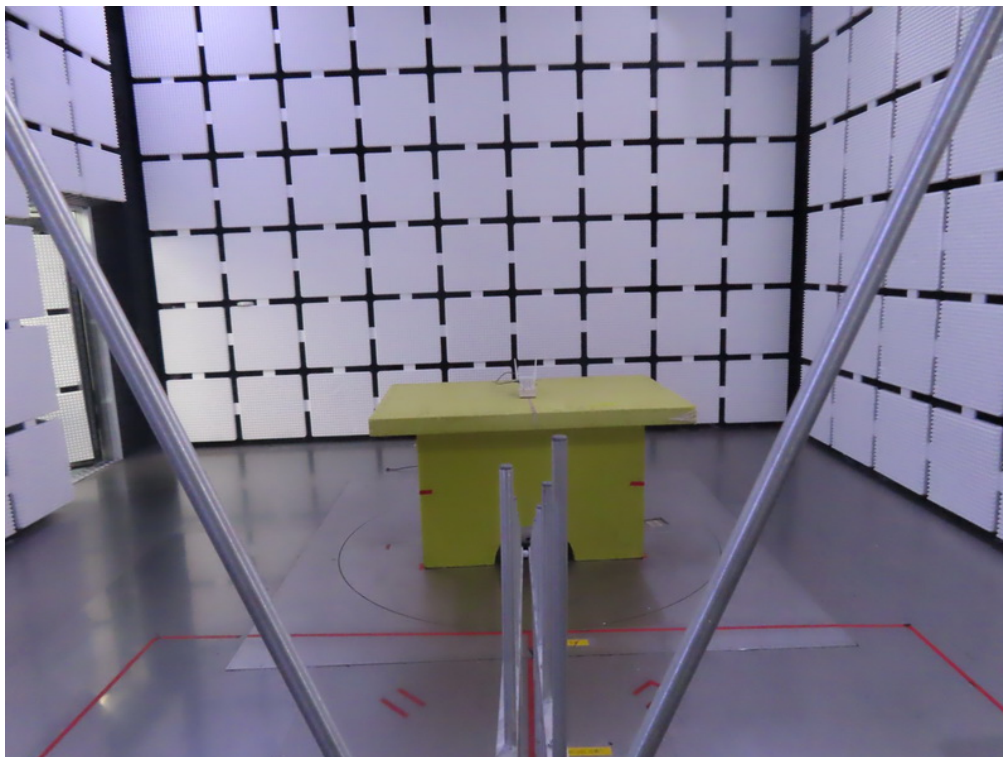
Radiated Emissions Test Photos

9 kHz to 30 MHz



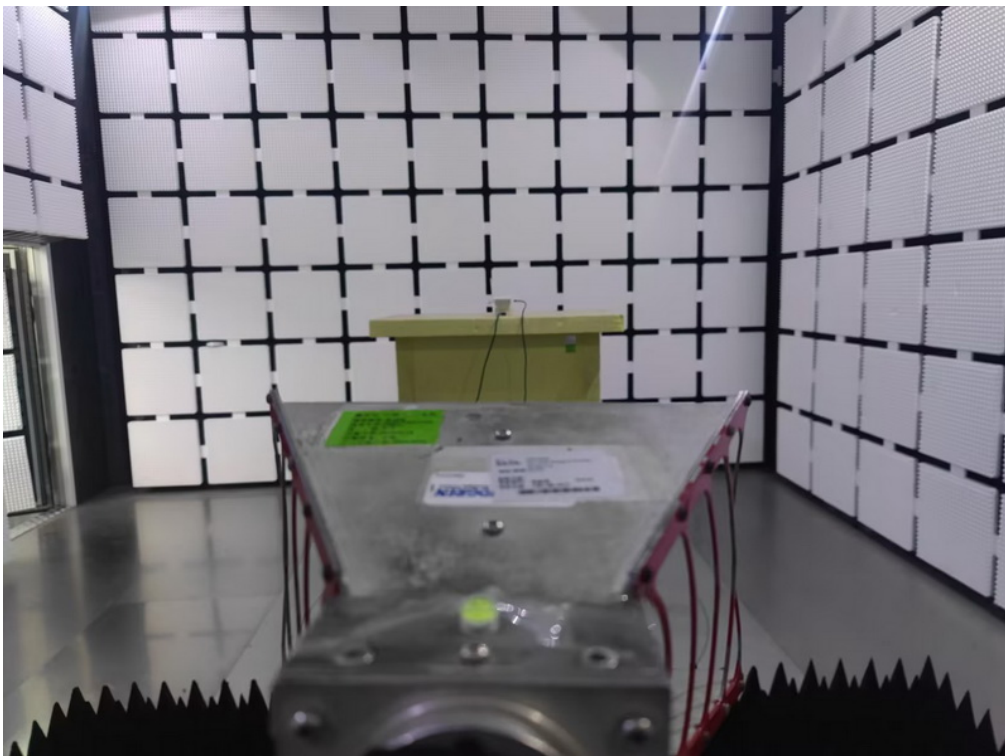
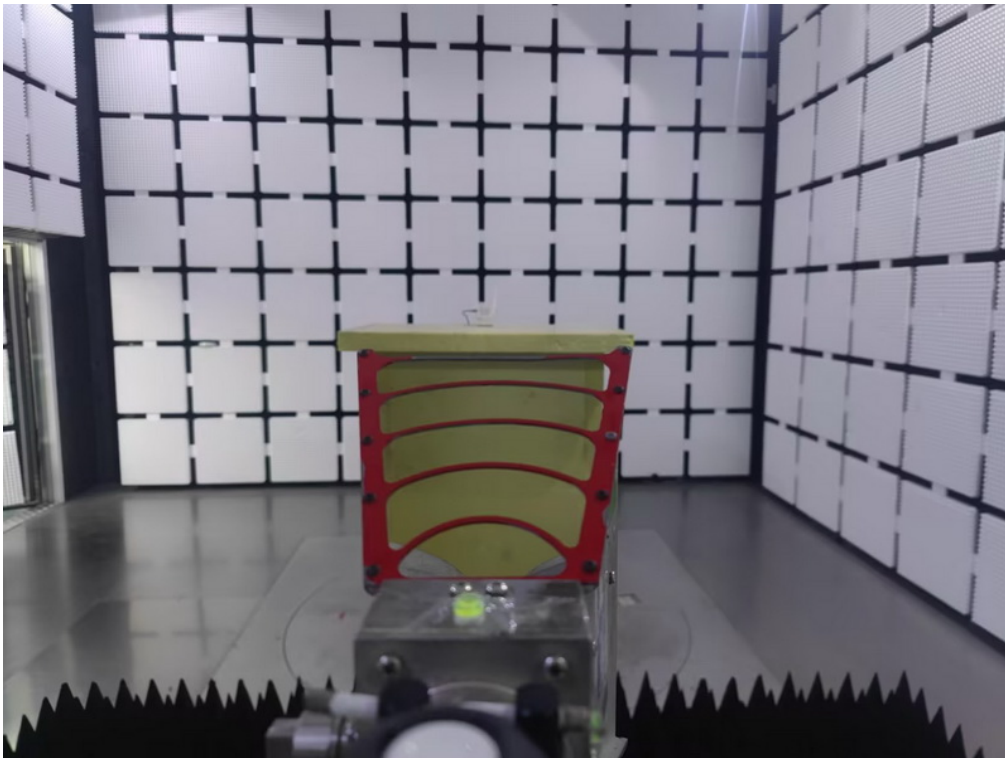
Radiated Emissions Test Photos

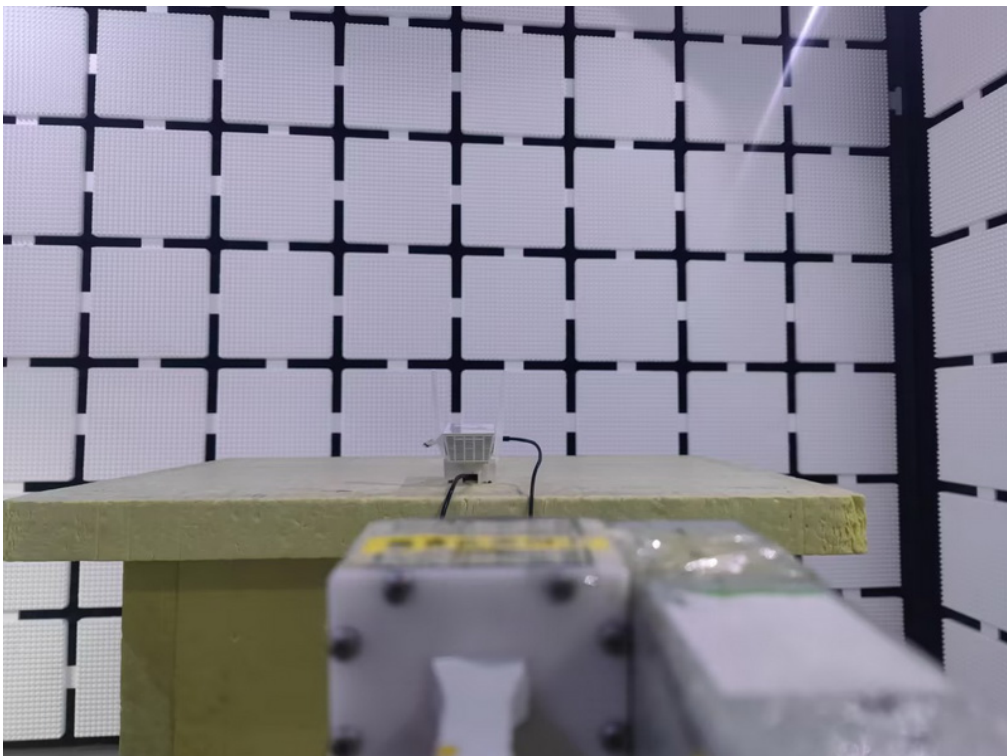
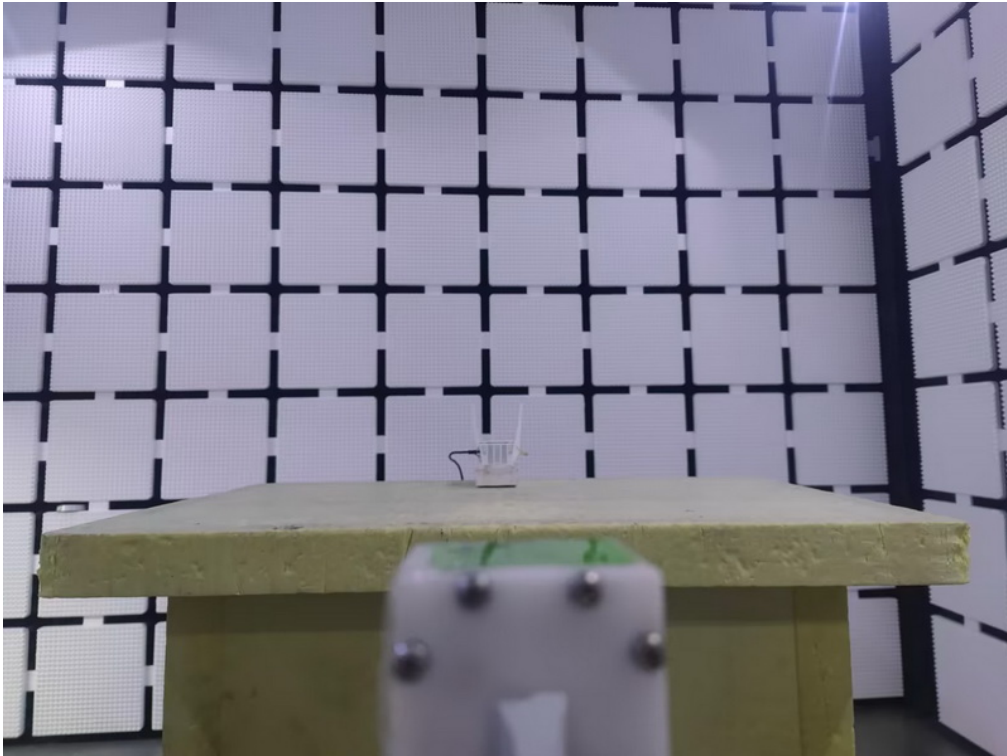
30 MHz to 1 GHz



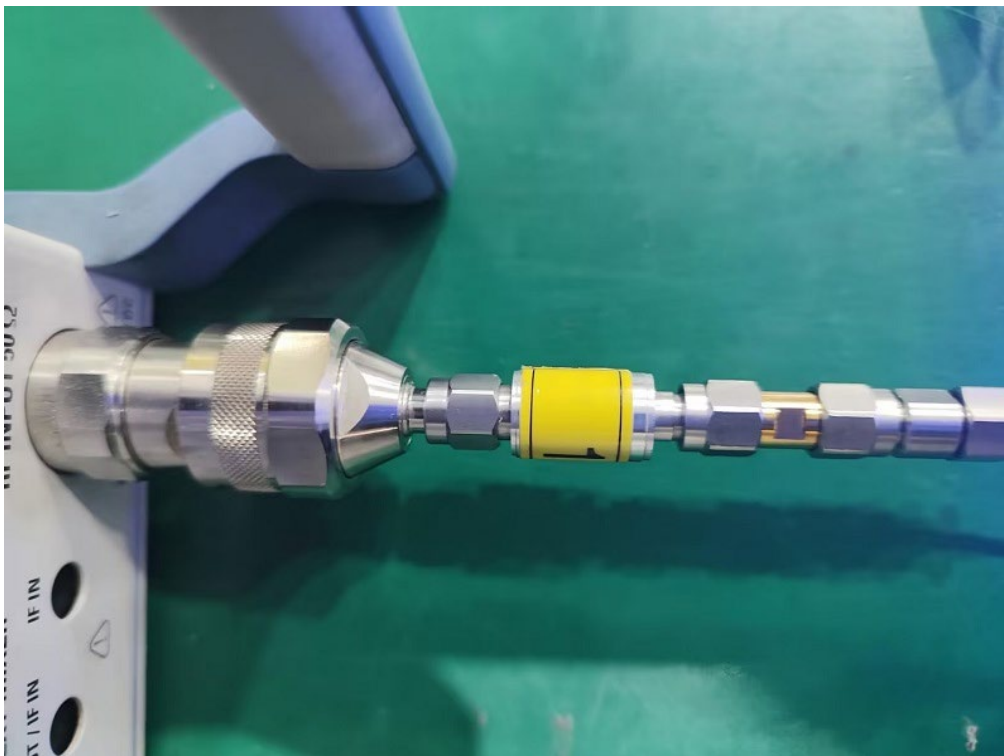
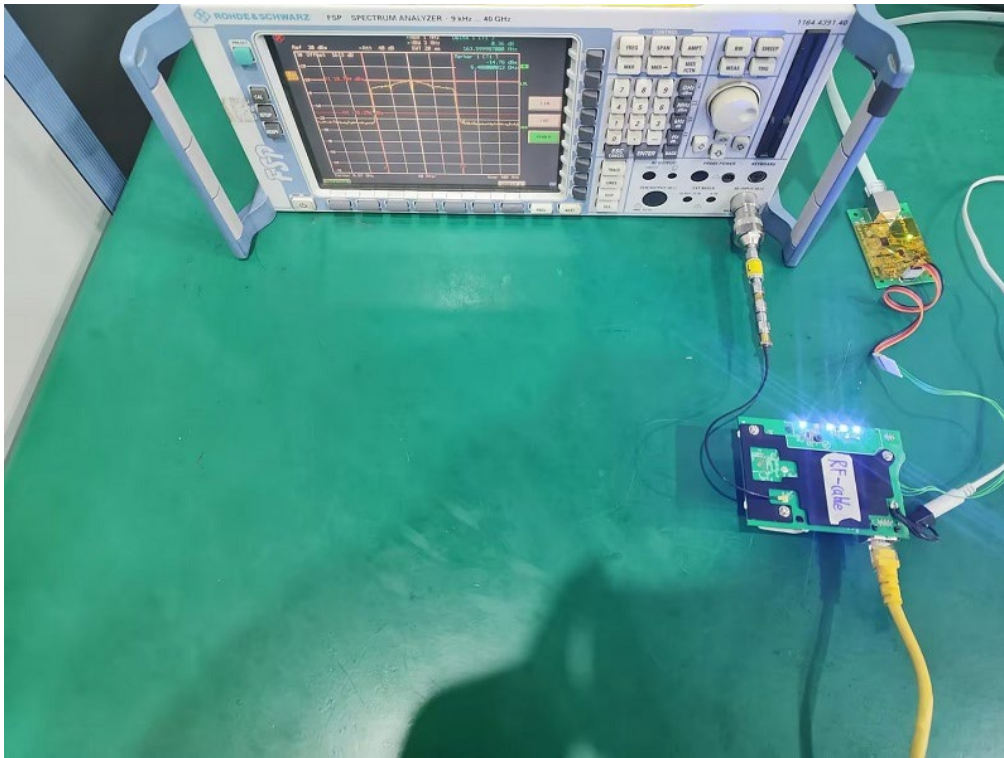
Radiated Emissions Test Photos

Above 1 GHz_Band edge &Harmonic(1 GHz to 18 GHz)



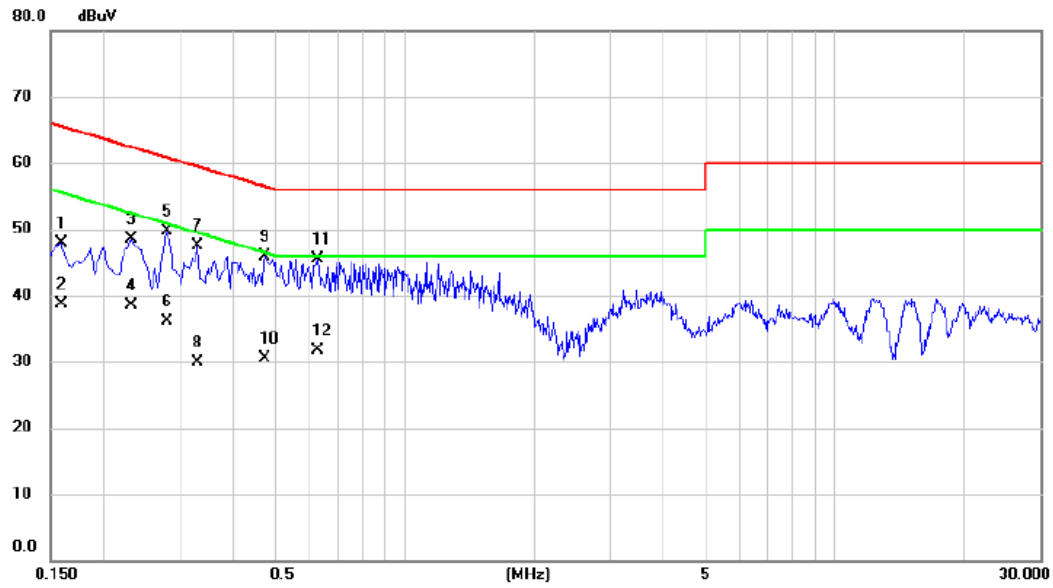
Radiated Emissions Test Photos**Above 1 GHz_Harmonic(18 GHz to 26.5 GHz)**

Conducted Test Photos



APPENDIX A - AC POWER LINE CONDUCTED EMISSIONS

Test Mode	TX B Mode Channel 06	Phase	Line
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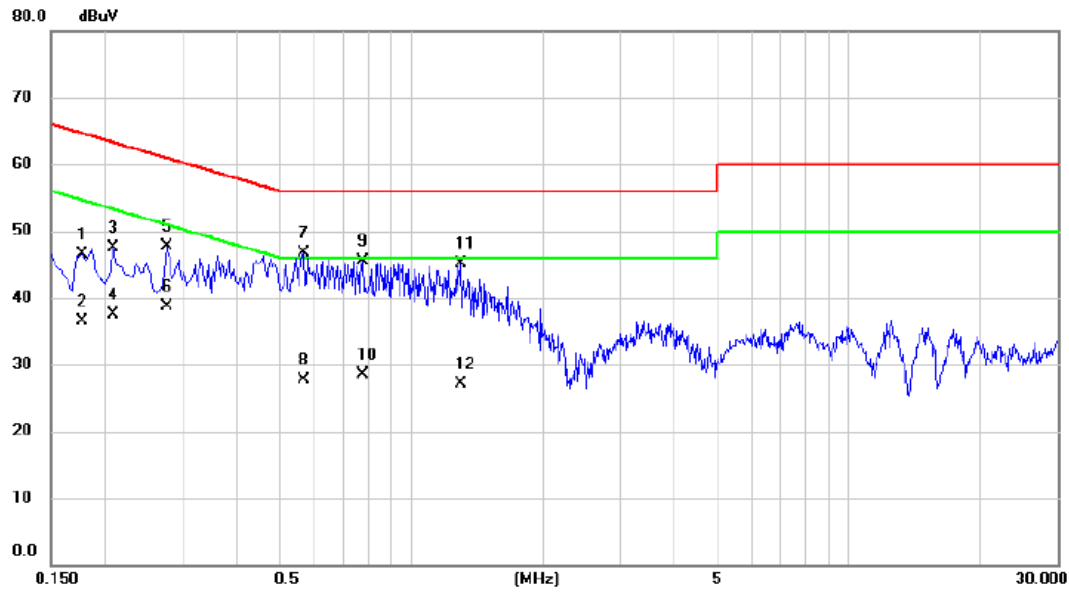


No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1590	37.87	9.97	47.84	65.52	-17.68	QP	
2	0.1590	28.80	9.97	38.77	55.52	-16.75	AVG	
3	0.2310	38.45	10.03	48.48	62.41	-13.93	QP	
4	0.2310	28.40	10.03	38.43	52.41	-13.98	AVG	
5	0.2805	39.65	10.13	49.78	60.80	-11.02	QP	
6	0.2805	25.90	10.13	36.03	50.80	-14.77	AVG	
7	0.3300	37.24	10.24	47.48	59.45	-11.97	QP	
8	0.3300	19.60	10.24	29.84	49.45	-19.61	AVG	
9	0.4740	35.25	10.57	45.82	56.44	-10.62	QP	
10	0.4740	19.90	10.57	30.47	46.44	-15.97	AVG	
11 *	0.6270	34.60	10.87	45.47	56.00	-10.53	QP	
12	0.6270	20.90	10.87	31.77	46.00	-14.23	AVG	

REMARKS:

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

Test Mode	TX B Mode Channel 06	Phase	Neutral
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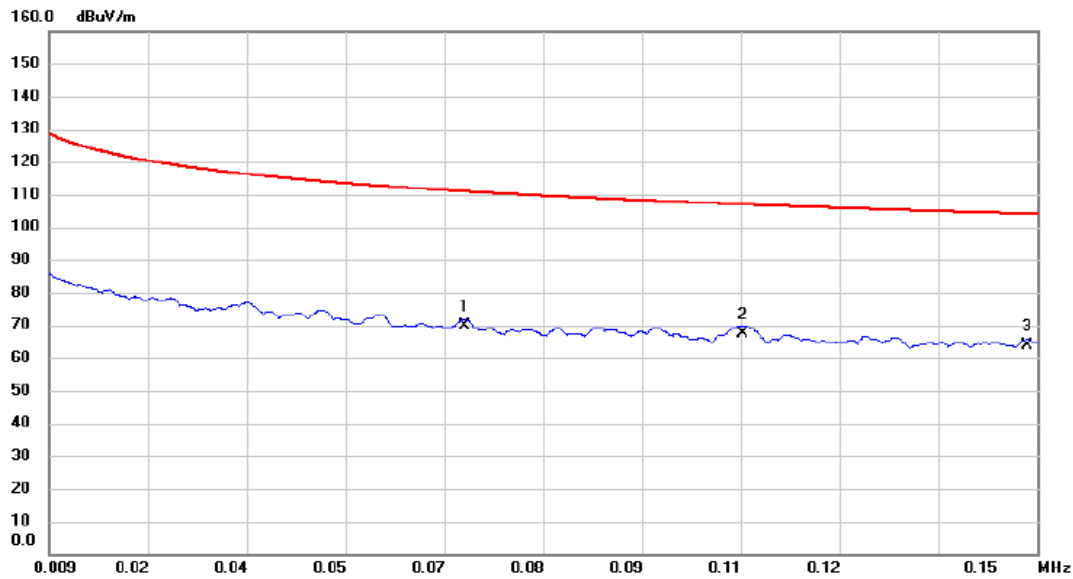
No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1770	36.59	9.93	46.52	64.63	-18.11	QP	
2		0.1770	26.50	9.93	36.43	54.63	-18.20	AVG	
3		0.2085	37.53	9.95	47.48	63.26	-15.78	QP	
4		0.2085	27.50	9.95	37.45	53.26	-15.81	AVG	
5		0.2760	37.68	10.08	47.76	60.94	-13.18	QP	
6		0.2760	28.60	10.08	38.68	50.94	-12.26	AVG	
7	*	0.5685	35.88	10.73	46.61	56.00	-9.39	QP	
8		0.5685	16.90	10.73	27.63	46.00	-18.37	AVG	
9		0.7755	34.55	11.03	45.58	56.00	-10.42	QP	
10		0.7755	17.50	11.03	28.53	46.00	-17.47	AVG	
11		1.2975	33.81	11.26	45.07	56.00	-10.93	QP	
12		1.2975	15.80	11.26	27.06	46.00	-18.94	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 B Mode Channel 06	Polarization	Ant 0°
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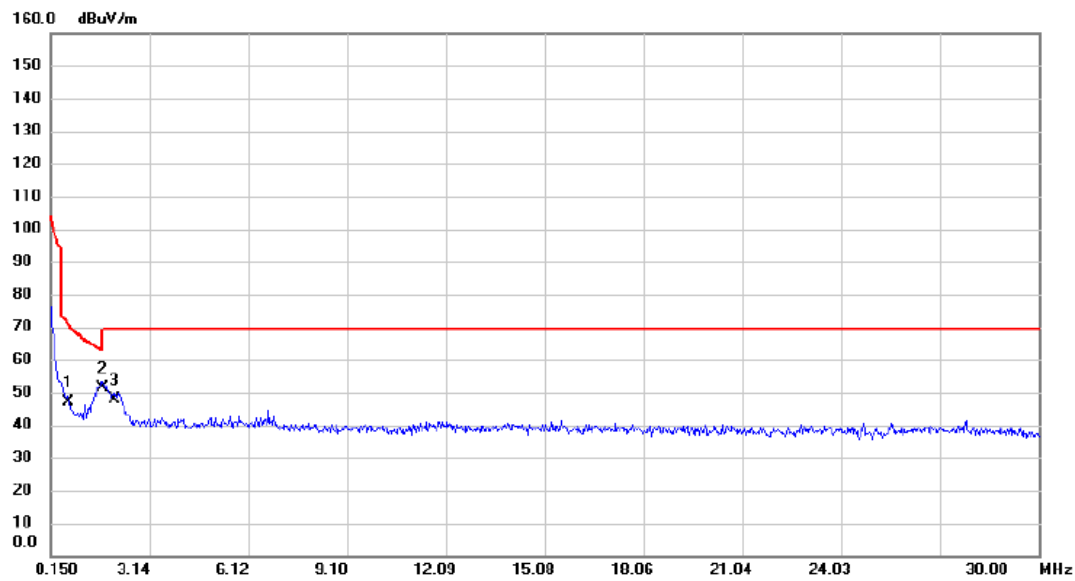


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0683	48.38	21.30	69.68	110.92	-41.24	AVG	
2	*	0.1080	46.26	21.33	67.59	106.94	-39.35	QP	
3		0.1485	42.53	21.27	63.80	104.17	-40.37	QP	

REMARKS:

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

Test Mode	TX B Mode Channel 06	Polarization	Ant 0°
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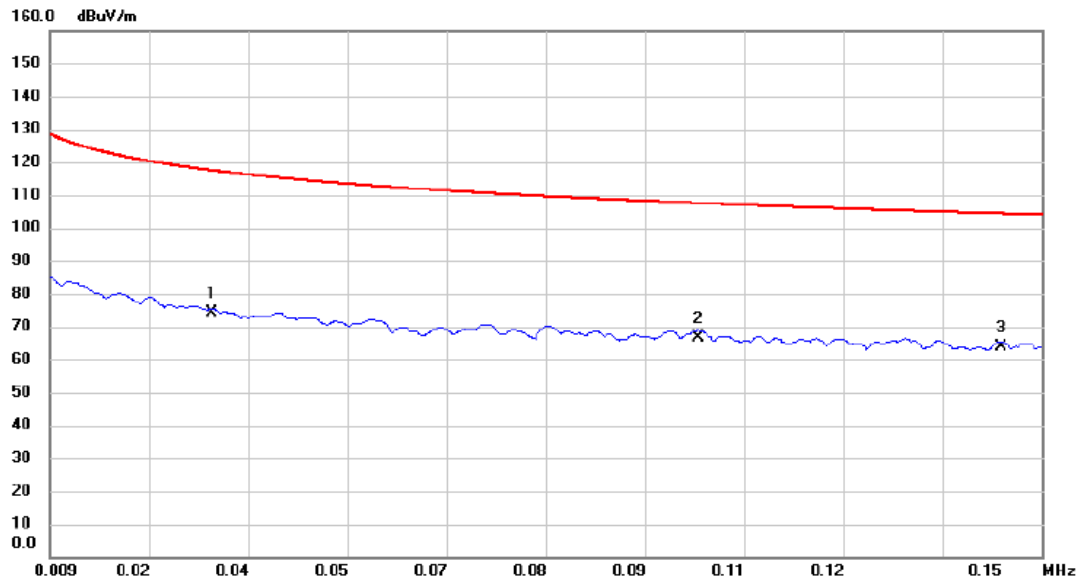


No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment				
			dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.6873	25.84	21.12	46.96	70.86	-23.90	QP	
2	*	1.7022	30.28	21.14	51.42	62.98	-11.56	QP	
3		2.0604	26.74	21.11	47.85	69.54	-21.69	QP	

REMARKS:

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

Test Mode	TX B Mode Channel 06	Polarization	Ant 90°
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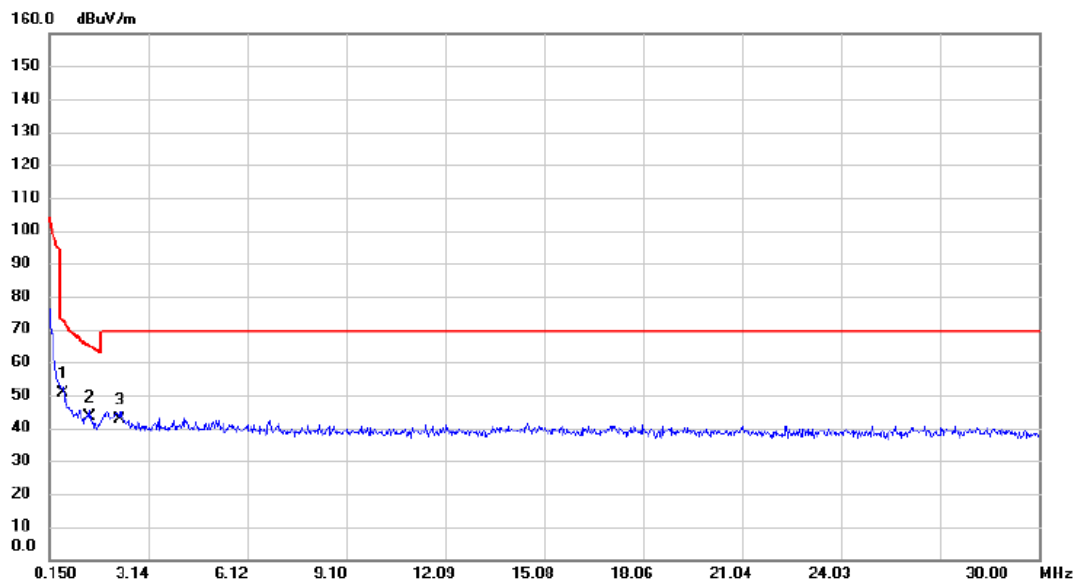


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.0320	52.87	21.15	74.02	117.50	-43.48	AVG	
2		0.1012	45.14	21.34	66.48	107.50	-41.02	QP	
3	*	0.1442	42.45	21.27	63.72	104.43	-40.71	QP	

REMARKS:

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

Test Mode	TX B Mode Channel 06	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		0.5678	29.37	21.08	50.45	72.52	-22.07	QP	
2	*	1.3738	22.14	21.16	43.30	64.85	-21.55	QP	
3		2.2991	21.50	21.11	42.61	69.54	-26.93	QP	

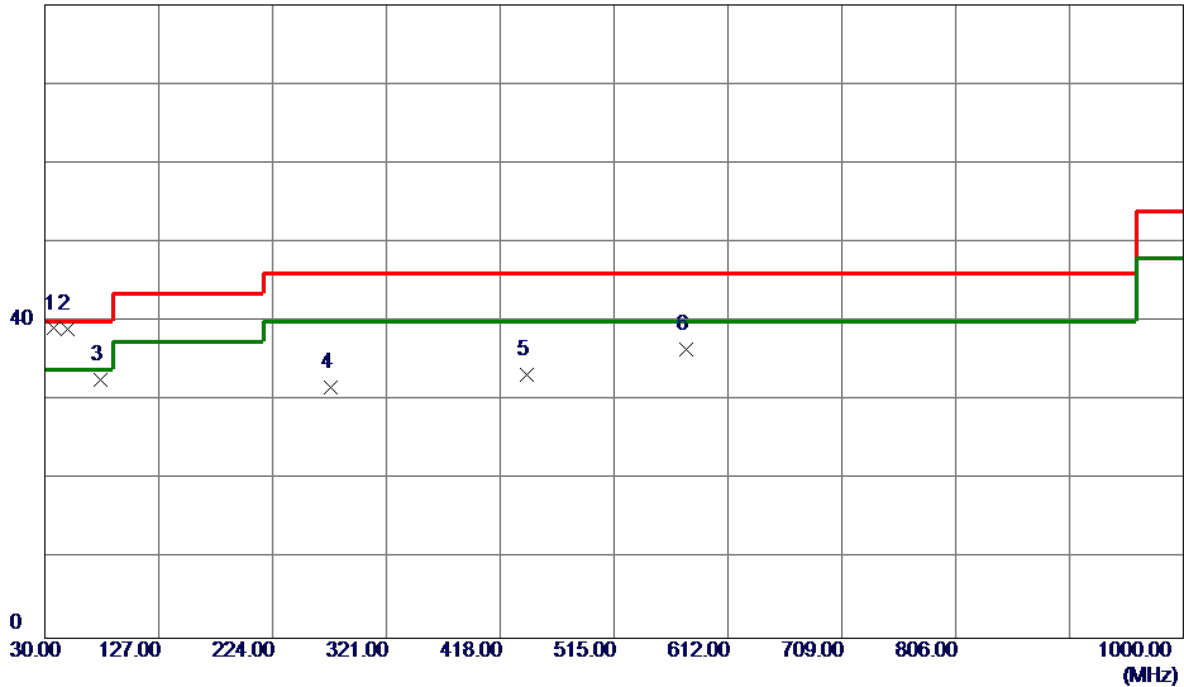
REMARKS:

- (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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80 dBuV/m



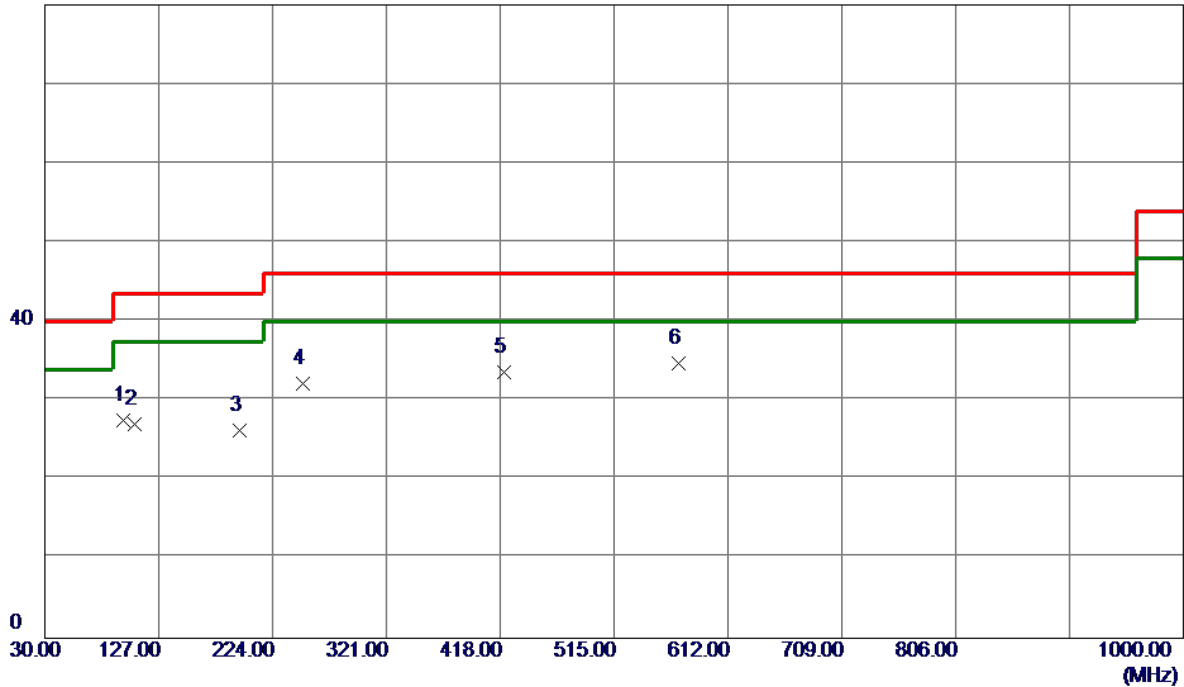
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	37.7599	51.12	-12.00	39.12	40.00	-0.88	Peak	
2	49.4000	50.31	-11.27	39.04	40.00	-0.96	Peak	
3	77.0450	47.44	-14.81	32.63	40.00	-7.37	Peak	
4	273.9549	43.04	-11.33	31.71	46.02	-14.31	Peak	
5	440.3100	40.29	-7.02	33.27	46.02	-12.75	Peak	
6	576.5949	40.71	-4.25	36.46	46.02	-9.56	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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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	96.9300	43.92	-16.44	27.48	43.52	-16.04	Peak	
2	106.1450	41.92	-14.90	27.02	43.52	-16.50	Peak	
3	195.8700	40.38	-14.20	26.18	43.52	-17.34	Peak	
4	250.1900	44.53	-12.35	32.18	46.02	-13.84	Peak	
5	420.9100	41.16	-7.51	33.65	46.02	-12.37	Peak	
6 *	570.2900	39.21	-4.43	34.78	46.02	-11.24	Peak	

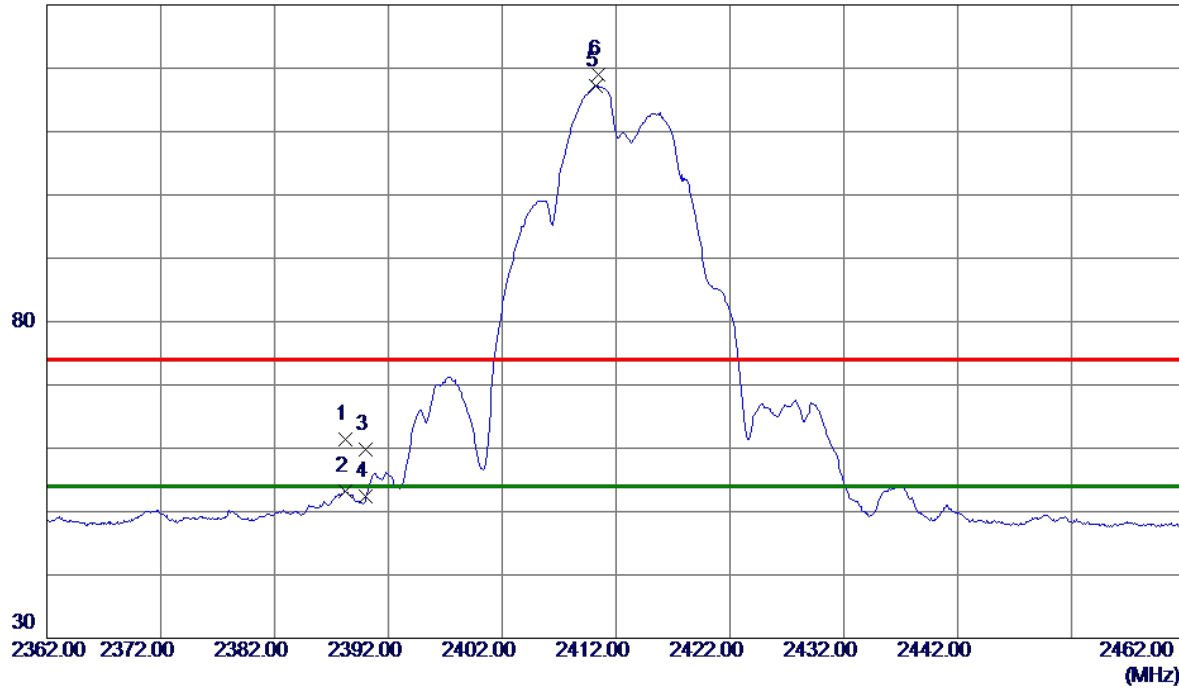
REMARKS:

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

APPENDIXD -RADIATED EMISSION- ABOVE 1000MHZ

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



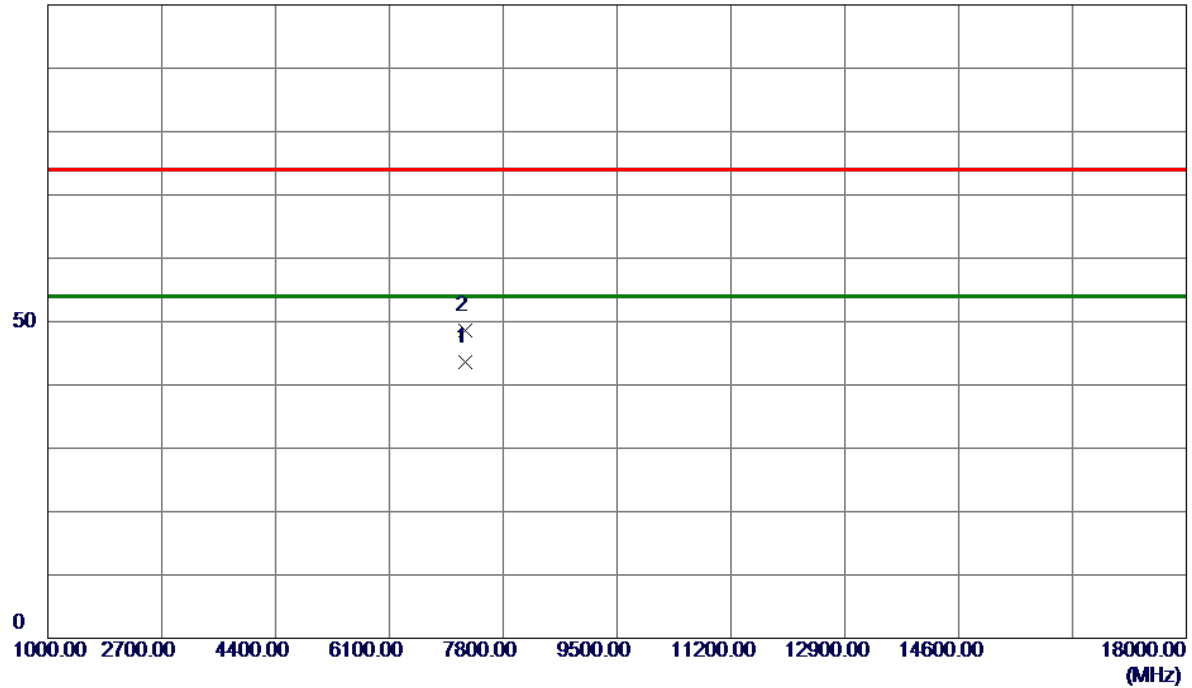
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2388.2000	53.76	7.70	61.46	74.00	-12.54	Peak	
2	2388.2000	45.48	7.70	53.18	54.00	-0.82	AVG	
3	2390.0000	52.19	7.70	59.89	74.00	-14.11	Peak	
4	2390.0000	44.69	7.70	52.39	54.00	-1.61	AVG	
5 *	2410.2500	109.47	7.72	117.19	54.00	63.19	AVG	No Limit
6	2410.4500	111.25	7.72	118.97	74.00	44.97	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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100 dBuV/m



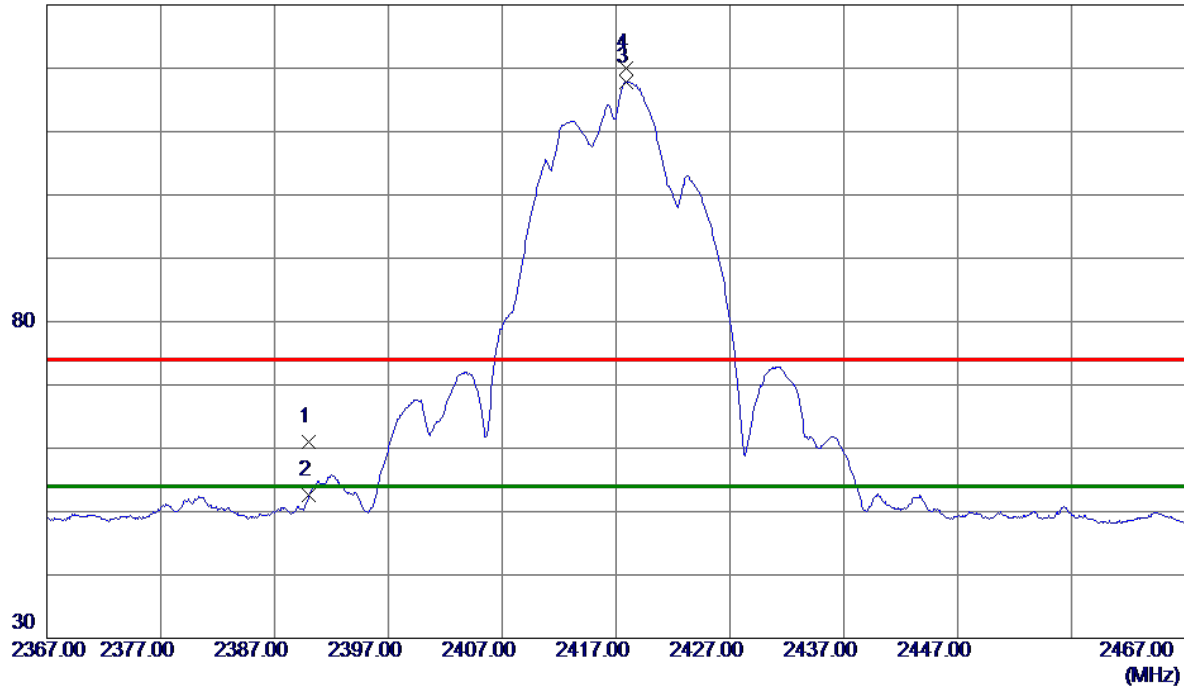
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7237.8600	35.38	8.30	43.68	54.00	-10.32	AVG	
2	7237.9100	40.35	8.30	48.65	74.00	-25.35	Peak	

REMARKS:

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

Test Mode	TX B Mode 2417 MHz	Polarization	Vertical
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130 dBuV/m



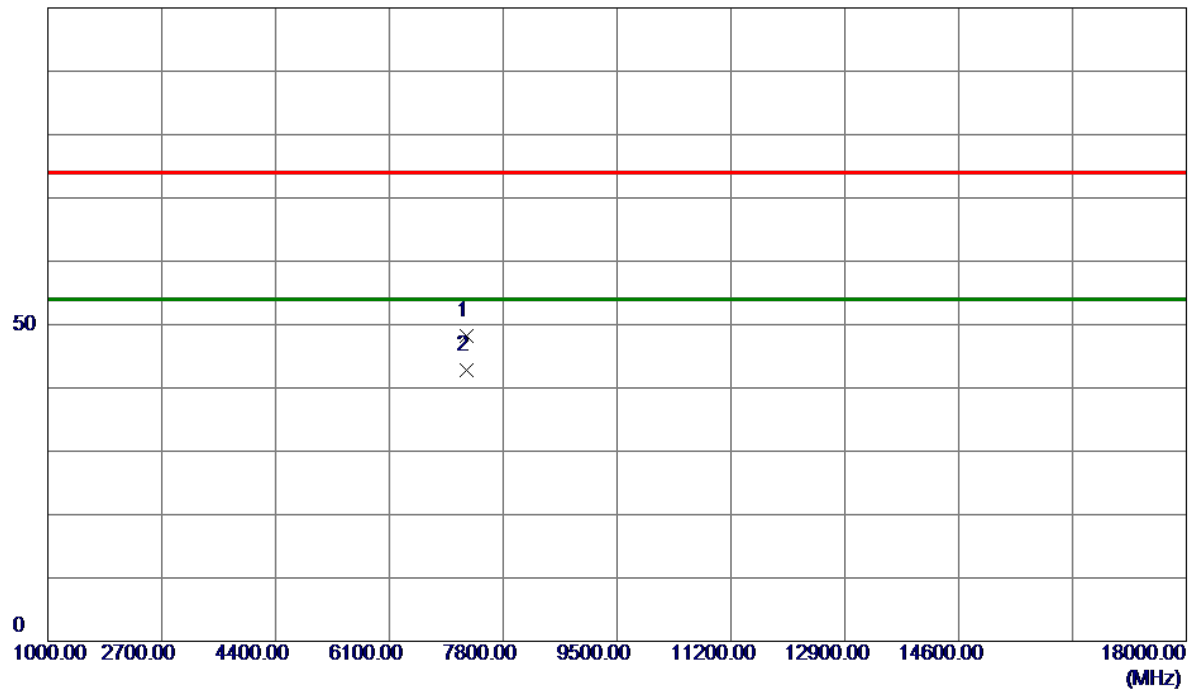
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	53.38	7.70	61.08	74.00	-12.92	Peak	
2	2390.0000	44.92	7.70	52.62	54.00	-1.38	AVG	
3 *	2417.8500	110.08	7.73	117.81	54.00	63.81	AVG	No Limit
4	2417.9000	112.26	7.73	119.99	74.00	45.99	Peak	No Limit

REMARKS:

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

Test Mode	TX B Mode 2417 MHz	Polarization	Vertical
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100 dBuV/m



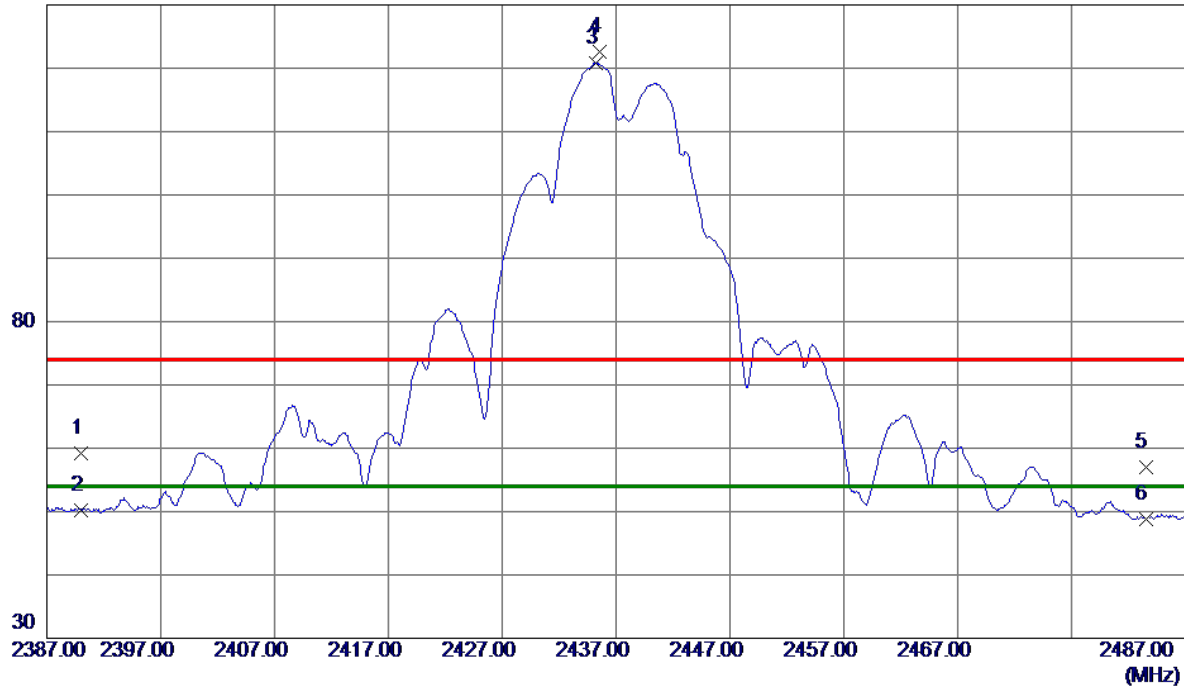
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7252.3400	39.98	8.30	48.28	74.00	-25.72	Peak	
2 *	7252.7100	34.49	8.30	42.79	54.00	-11.21	AVG	

REMARKS:

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

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



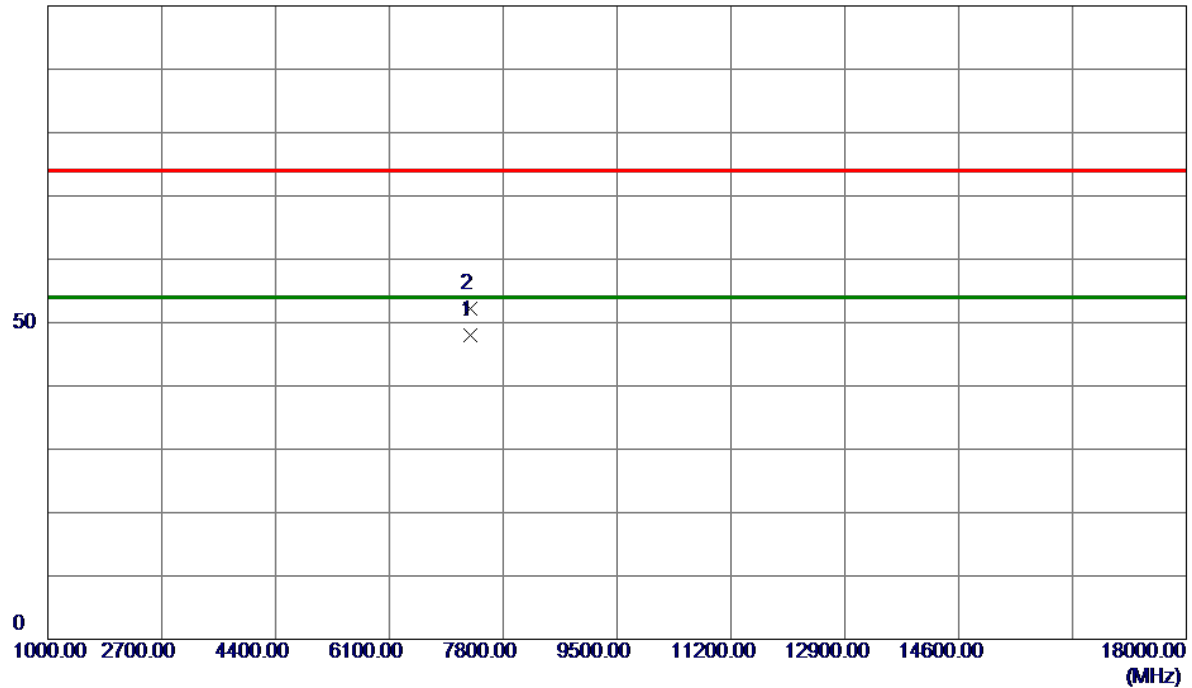
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	51.50	7.70	59.20	74.00	-14.80	Peak	
2	2390.0000	42.57	7.70	50.27	54.00	-3.73	AVG	
3 *	2435.2000	113.08	7.75	120.83	54.00	66.83	AVG	No Limit
4	2435.5500	114.94	7.75	122.69	74.00	48.69	Peak	No Limit
5	2483.5000	49.22	7.81	57.03	74.00	-16.97	Peak	
6	2483.5000	41.04	7.81	48.85	54.00	-5.15	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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100 dBuV/m



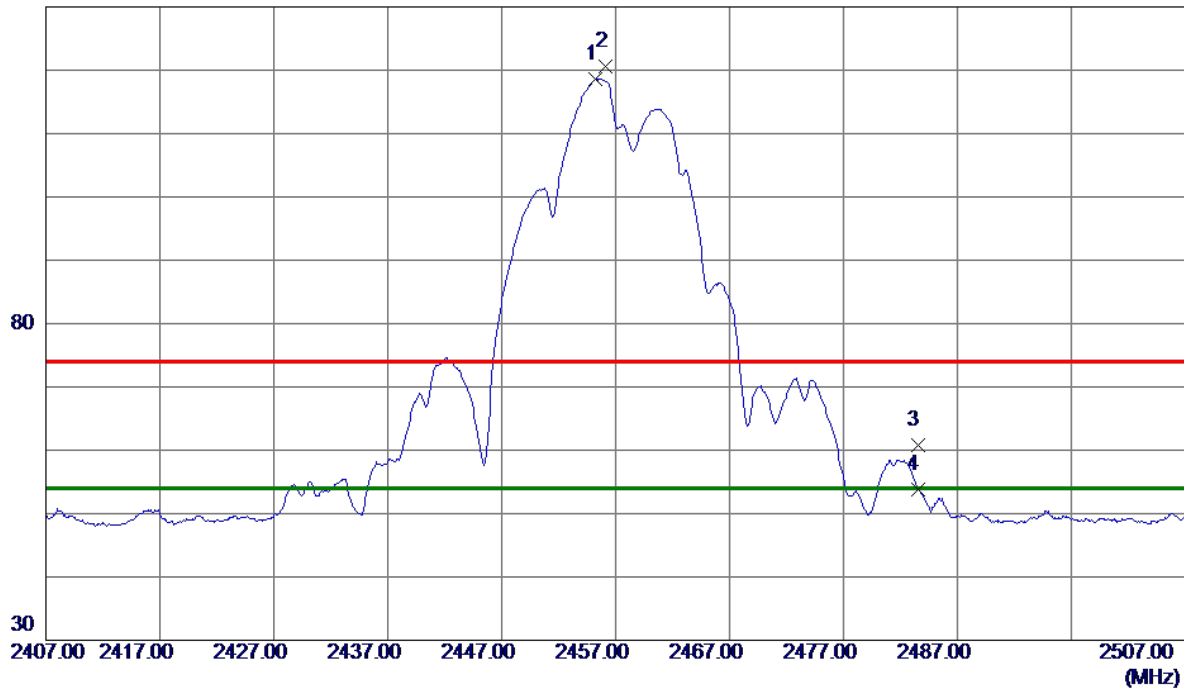
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7312.0300	39.71	8.30	48.01	54.00	-5.99	AVG	
2	7312.3000	43.91	8.30	52.21	74.00	-21.79	Peak	

REMARKS:

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

Test Mode	TX B Mode 2457 MHz	Polarization	Vertical
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130 dBuV/m



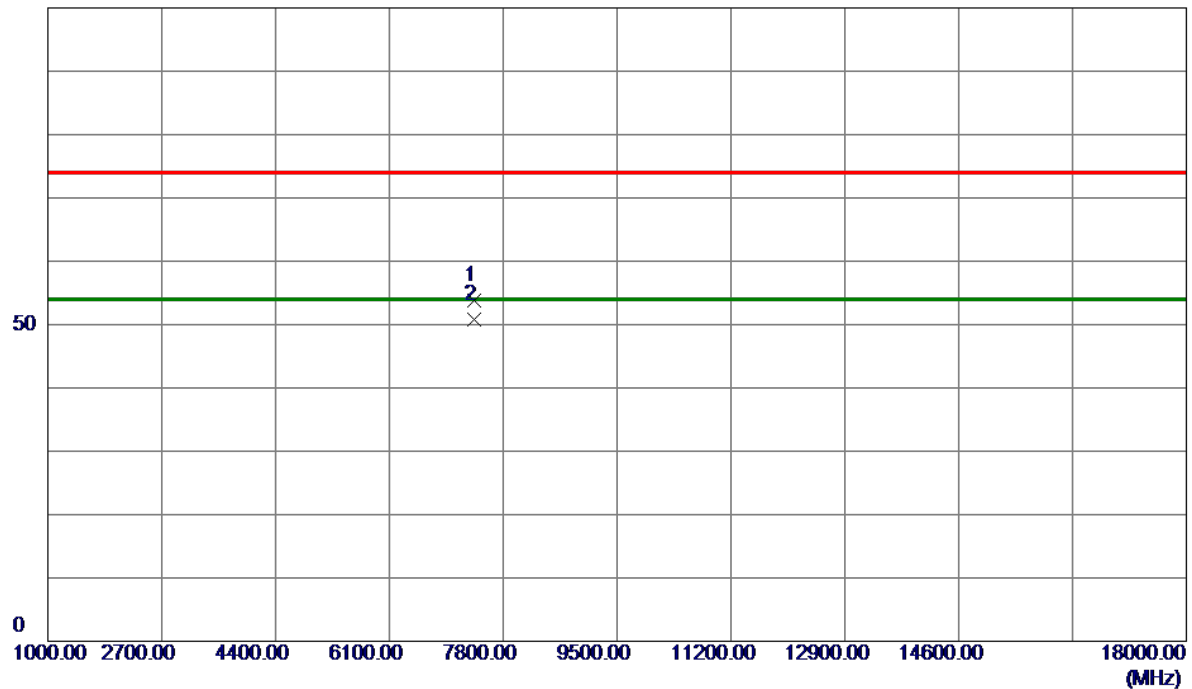
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2455.2500	110.79	7.78	118.57	54.00	64.57	AVG	No Limit
2	2456.1000	112.73	7.78	120.51	74.00	46.51	Peak	No Limit
3	2483.5000	52.92	7.81	60.73	74.00	-13.27	Peak	
4	2483.5000	46.05	7.81	53.86	54.00	-0.14	AVG	

REMARKS:

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

Test Mode	TX B Mode 2457 MHz	Polarization	Vertical
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100 dBuV/m



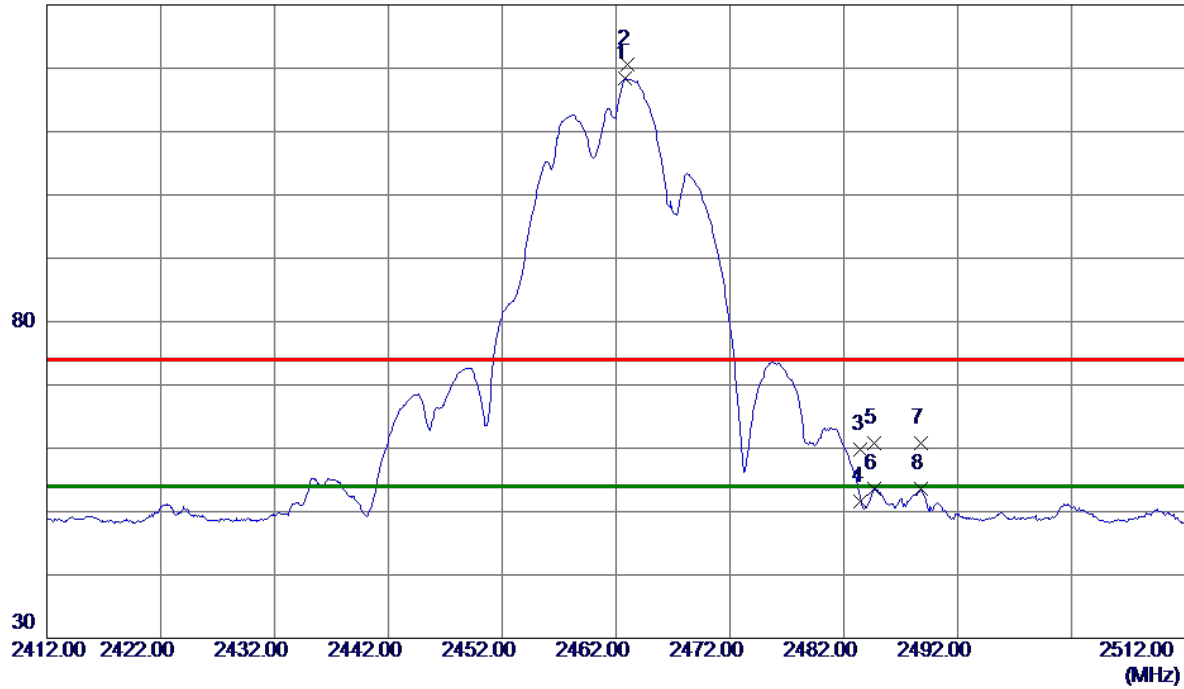
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7369.4600	45.54	8.31	53.85	74.00	-20.15	Peak	
2 *	7369.9100	42.40	8.31	50.71	54.00	-3.29	AVG	

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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130 dBuV/m



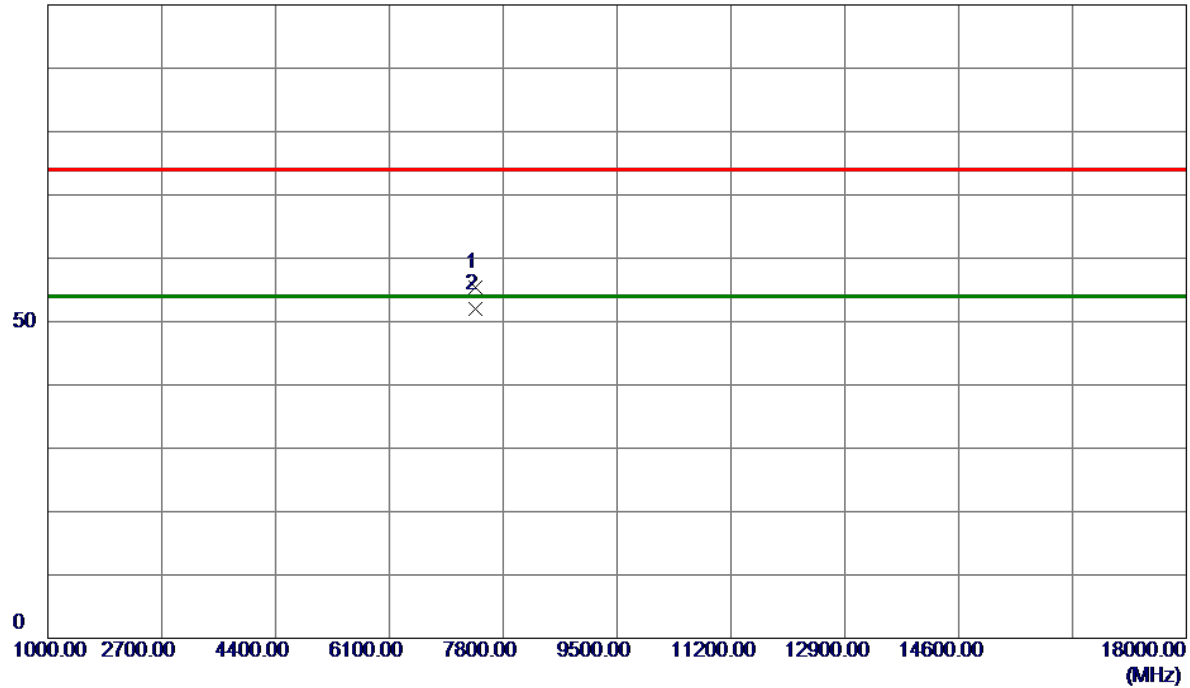
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2462.8000	110.61	7.79	118.40	54.00	64.40	AVG	No Limit
2	2462.9500	112.75	7.79	120.54	74.00	46.54	Peak	No Limit
3	2483.5000	51.97	7.81	59.78	74.00	-14.22	Peak	
4	2483.5000	43.71	7.81	51.52	54.00	-2.48	AVG	
5	2484.6500	52.95	7.81	60.76	74.00	-13.24	Peak	
6	2484.6500	45.77	7.81	53.58	54.00	-0.42	AVG	
7	2488.7500	52.98	7.82	60.80	74.00	-13.20	Peak	
8	2488.7500	45.71	7.82	53.53	54.00	-0.47	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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100 dBuV/m



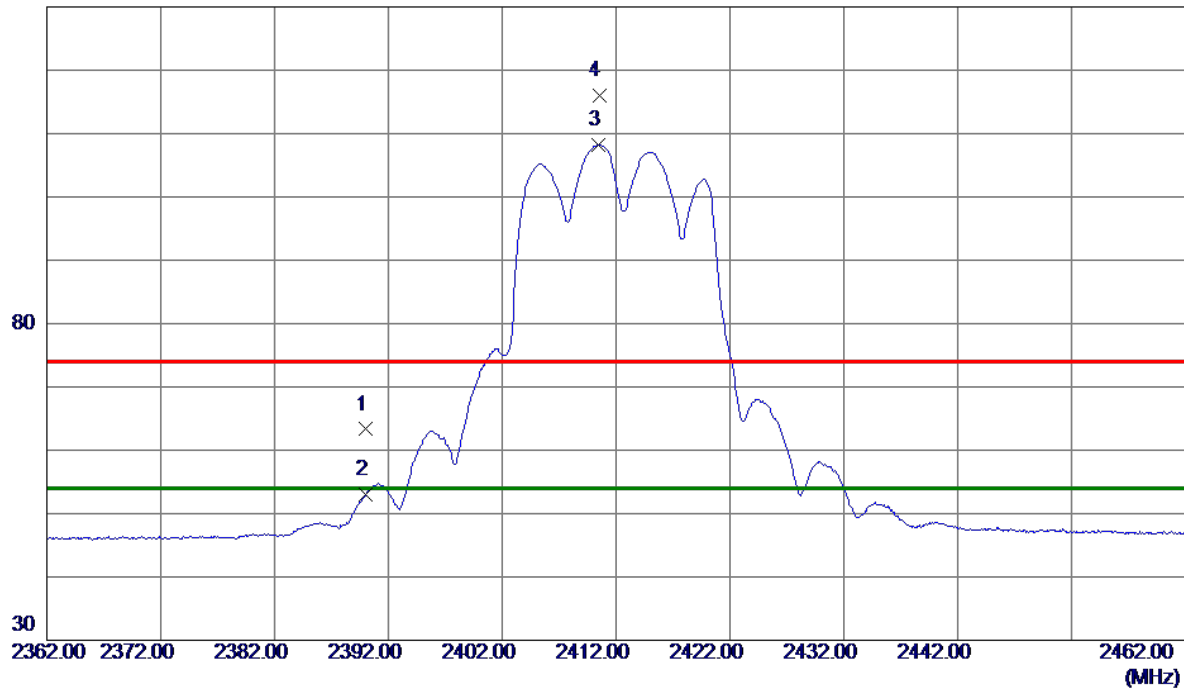
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7386.9000	47.01	8.31	55.32	74.00	-18.68	Peak	
2 *	7387.2900	43.60	8.31	51.91	54.00	-2.09	AVG	

REMARKS:

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

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



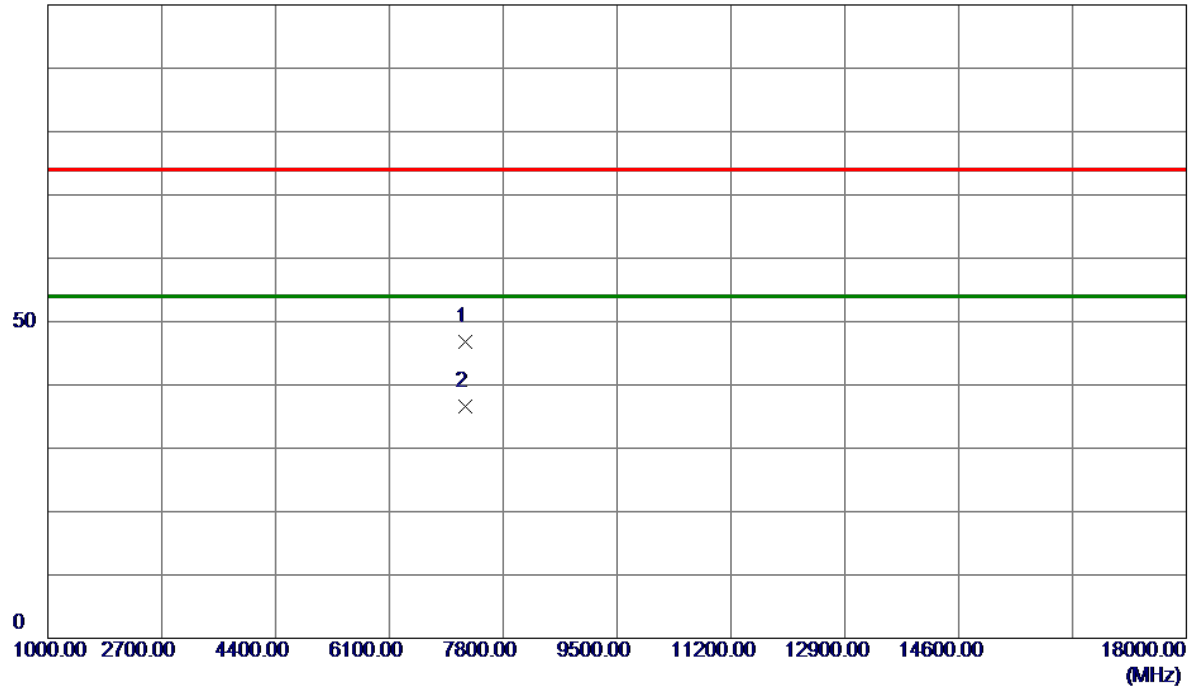
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	55.60	7.70	63.30	74.00	-10.70	Peak	
2	2390.0000	45.39	7.70	53.09	54.00	-0.91	AVG	
3 *	2410.4500	100.48	7.72	108.20	54.00	54.20	AVG	No Limit
4	2410.5000	108.28	7.72	116.00	74.00	42.00	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	Vertical
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100 dBuV/m



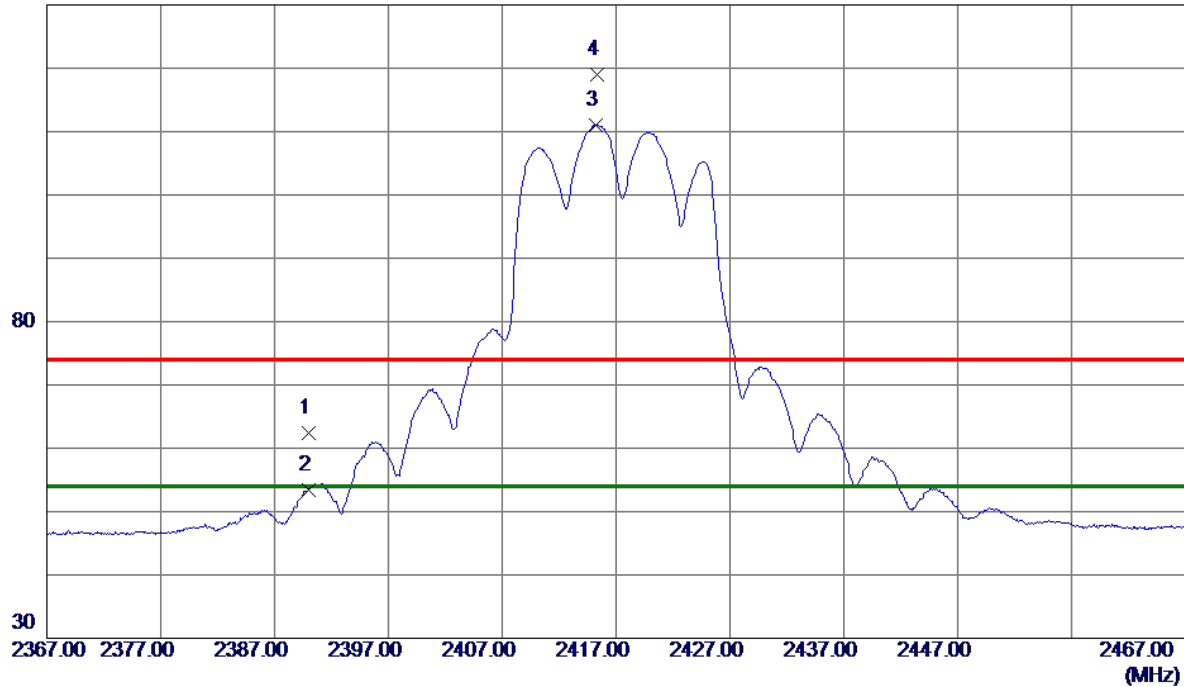
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7236.5000	38.48	8.30	46.78	74.00	-27.22	Peak	
2 *	7236.5000	28.32	8.30	36.62	54.00	-17.38	AVG	

REMARKS:

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

Test Mode	TX G Mode 2417 MHz	Polarization	Vertical
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130 dBuV/m



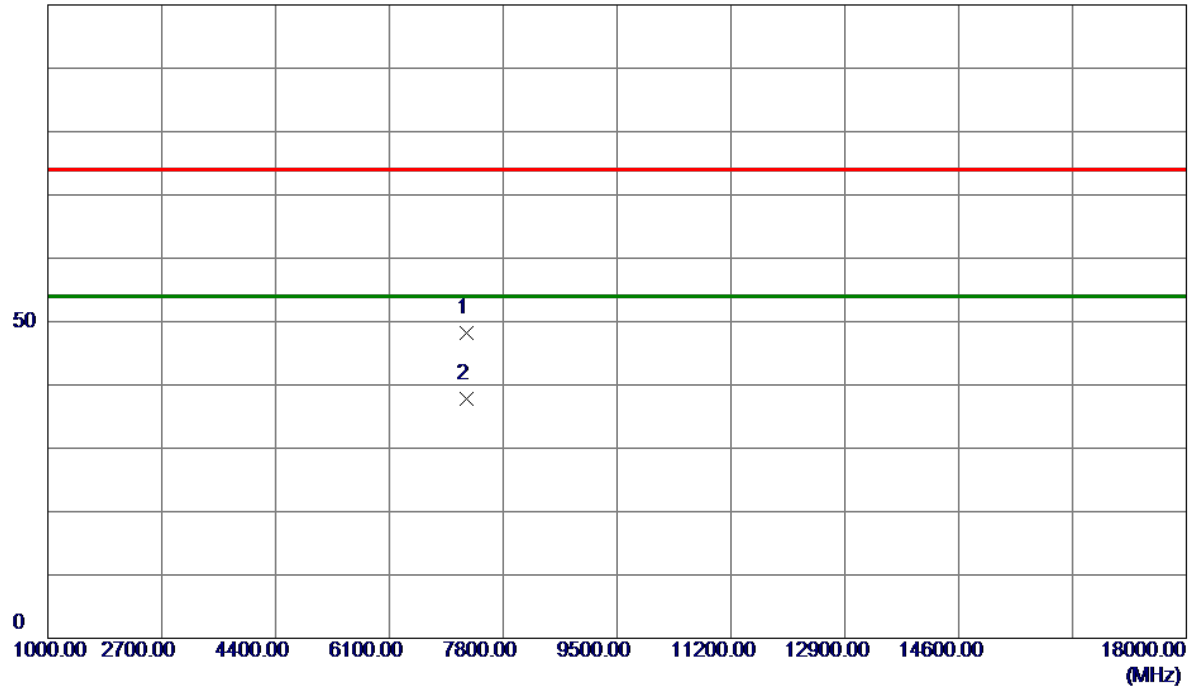
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.73	7.70	62.43	74.00	-11.57	Peak	
2	2390.0000	45.76	7.70	53.46	54.00	-0.54	AVG	
3 *	2415.2500	103.29	7.73	111.02	54.00	57.02	AVG	No Limit
4	2415.3000	111.36	7.73	119.09	74.00	45.09	Peak	No Limit

REMARKS:

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

Test Mode	TX G Mode 2417 MHz	Polarization	Vertical
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100 dBuV/m

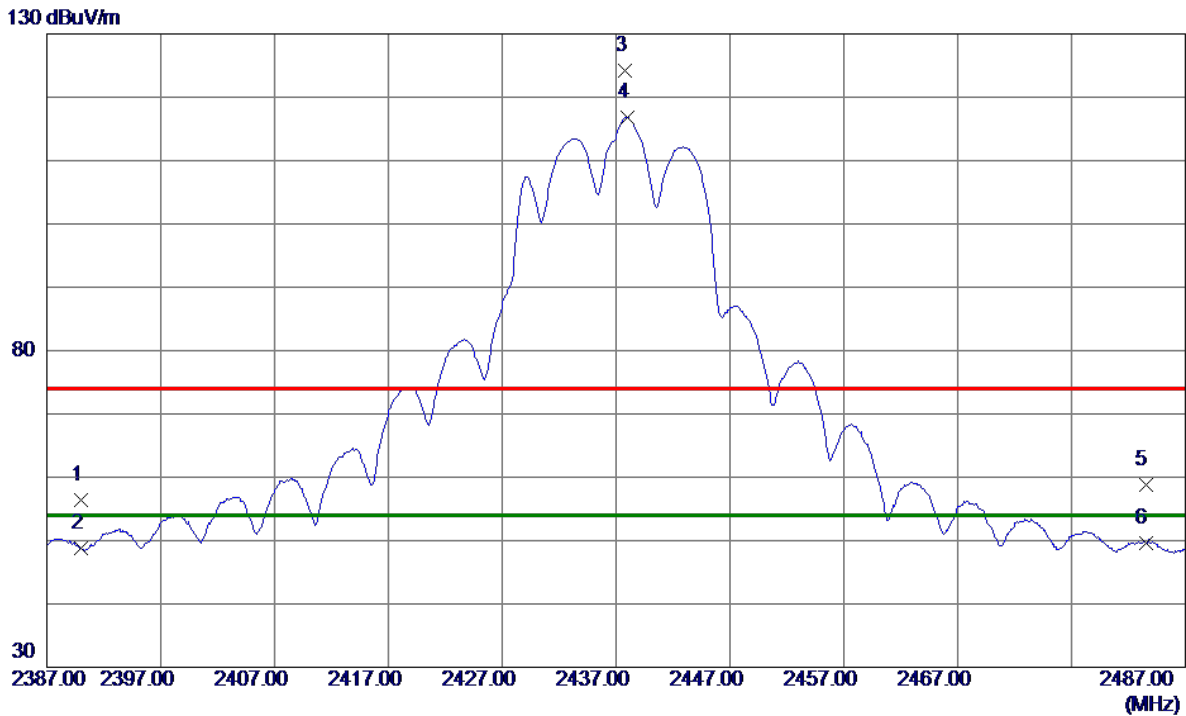


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7251.3500	39.94	8.30	48.24	74.00	-25.76	Peak	
2 *	7251.8500	29.47	8.30	37.77	54.00	-16.23	AVG	

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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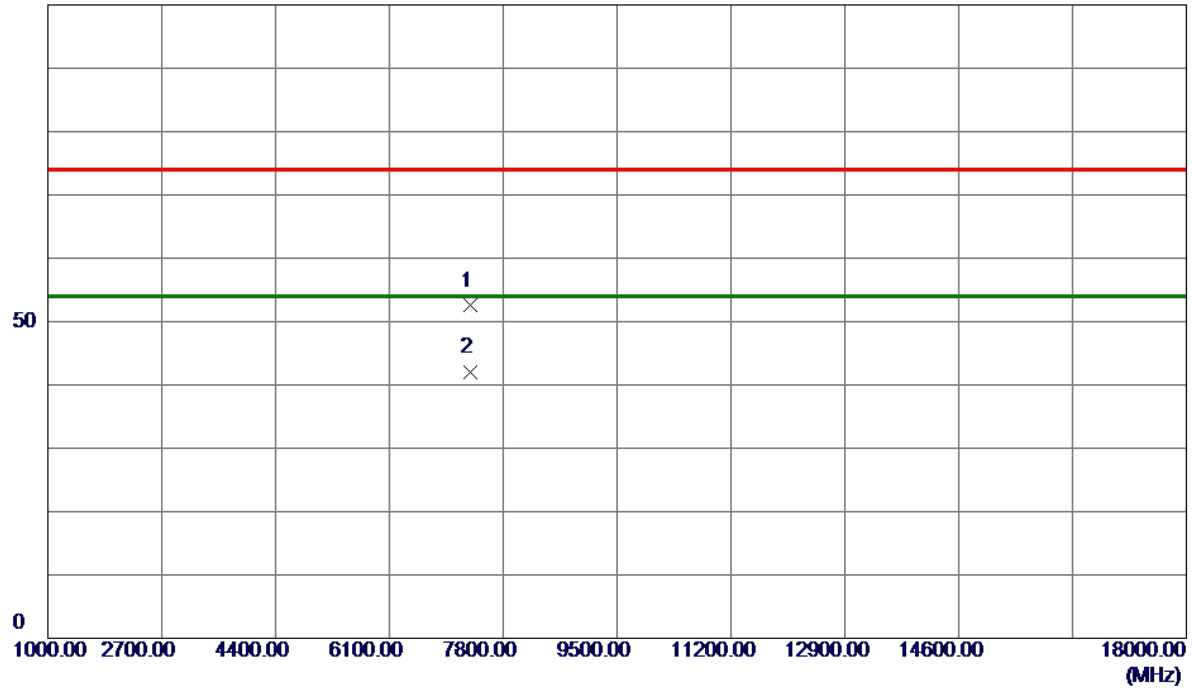
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	48.76	7.70	56.46	74.00	-17.54	Peak	
2	2390.0000	41.14	7.70	48.84	54.00	-5.16	AVG	
3	2437.8000	116.37	7.76	124.13	74.00	50.13	Peak	No Limit
4 *	2437.9500	109.10	7.76	116.86	54.00	62.86	AVG	No Limit
5	2483.5000	50.97	7.81	58.78	74.00	-15.22	Peak	
6	2483.5000	41.87	7.81	49.68	54.00	-4.32	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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100 dBuV/m



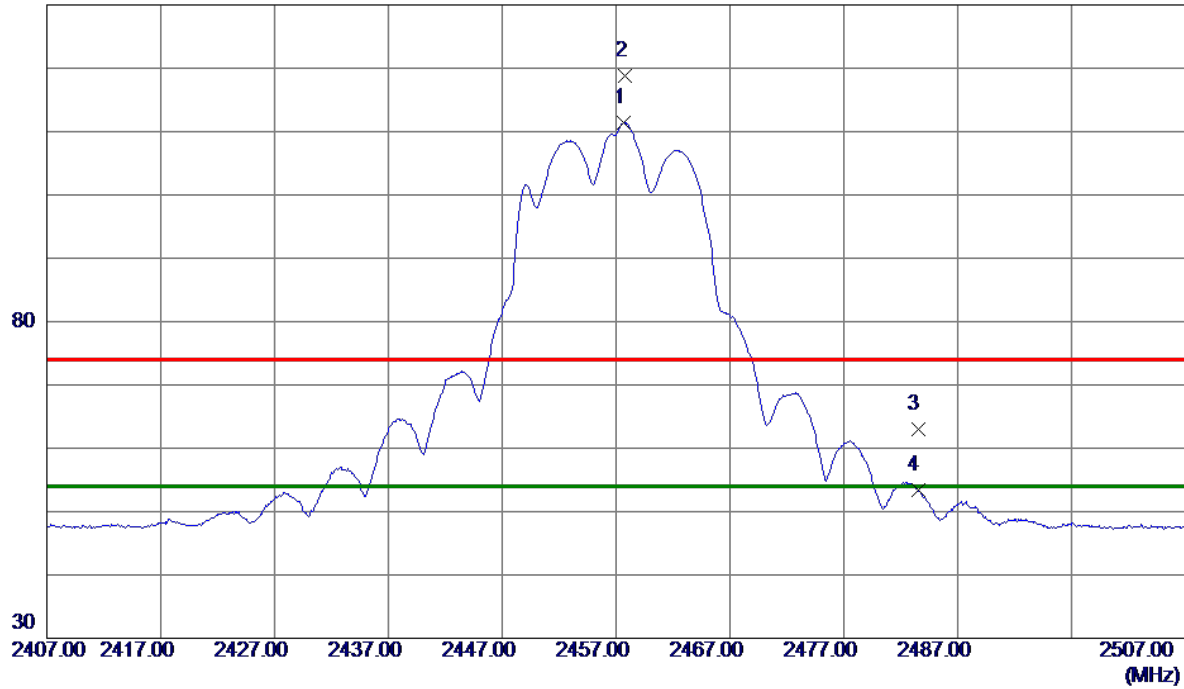
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7314.8000	44.19	8.31	52.50	74.00	-21.50	Peak	
2 *	7315.1500	33.68	8.31	41.99	54.00	-12.01	AVG	

REMARKS:

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

Test Mode	TX G Mode 2457 MHz	Polarization	Vertical
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130 dBuV/m



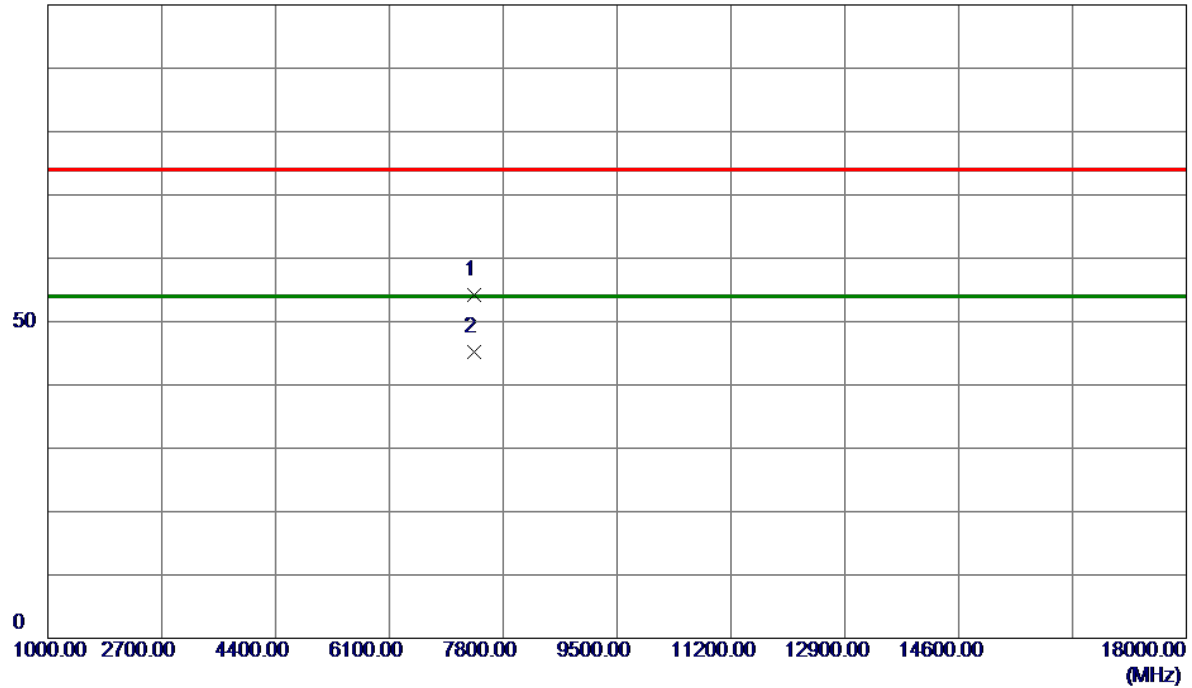
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2457.6500	103.61	7.78	111.39	54.00	57.39	AVG	No Limit
2	2457.8000	110.98	7.78	118.76	74.00	44.76	Peak	No Limit
3	2483.5000	55.20	7.81	63.01	74.00	-10.99	Peak	
4	2483.5000	45.60	7.81	53.41	54.00	-0.59	AVG	

REMARKS:

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

Test Mode	TX G Mode 2457 MHz	Polarization	Vertical
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100 dBuV/m



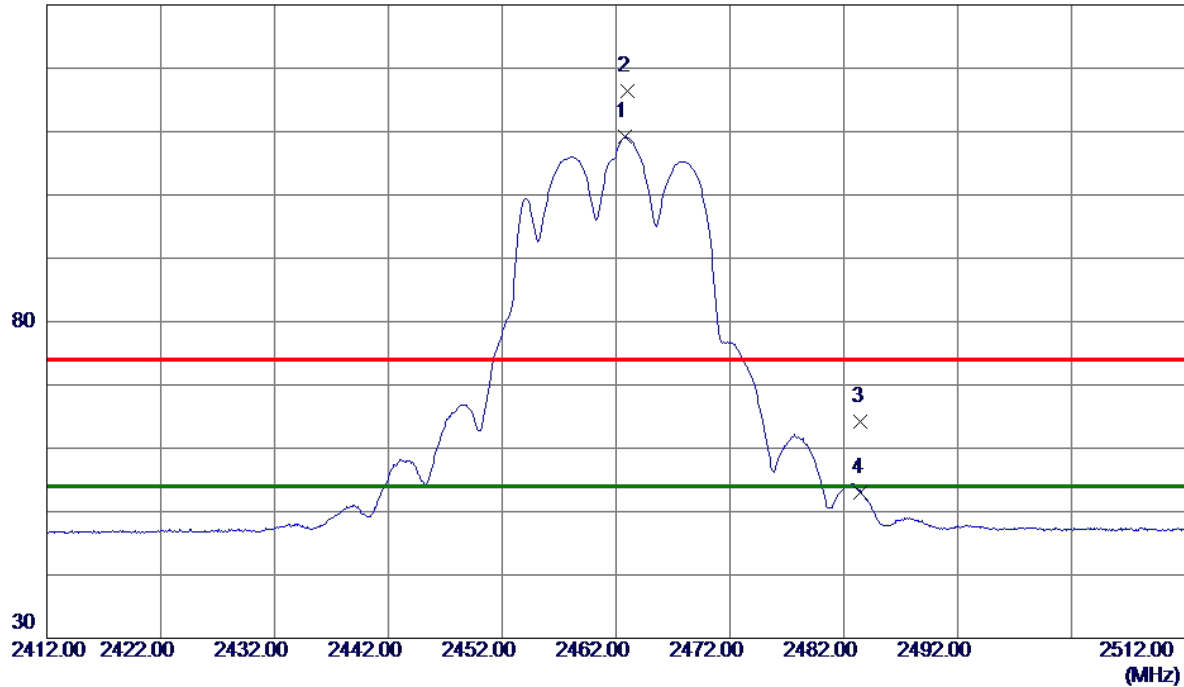
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7365.7500	45.82	8.31	54.13	74.00	-19.87	Peak	
2 *	7369.9500	36.96	8.31	45.27	54.00	-8.73	AVG	

REMARKS:

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

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



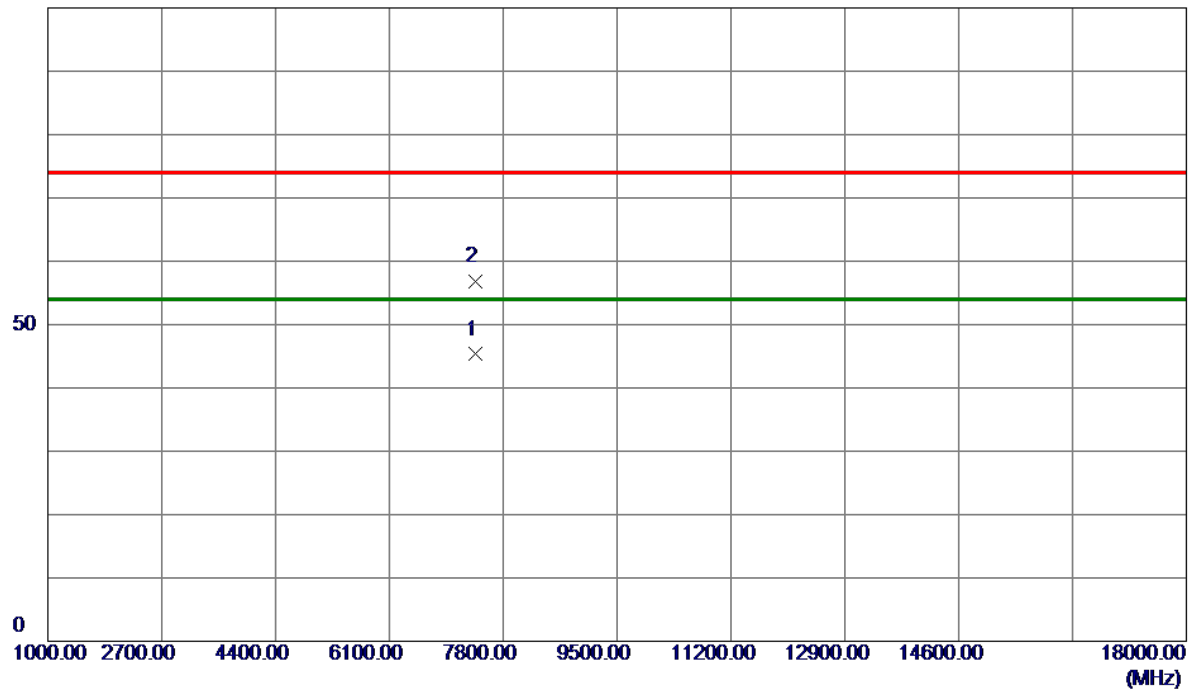
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2462.8000	101.34	7.79	109.13	54.00	55.13	AVG	No Limit
2	2462.9500	108.69	7.79	116.48	74.00	42.48	Peak	No Limit
3	2483.5000	56.37	7.81	64.18	74.00	-9.82	Peak	
4	2483.5000	45.27	7.81	53.08	54.00	-0.92	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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100 dBuV/m



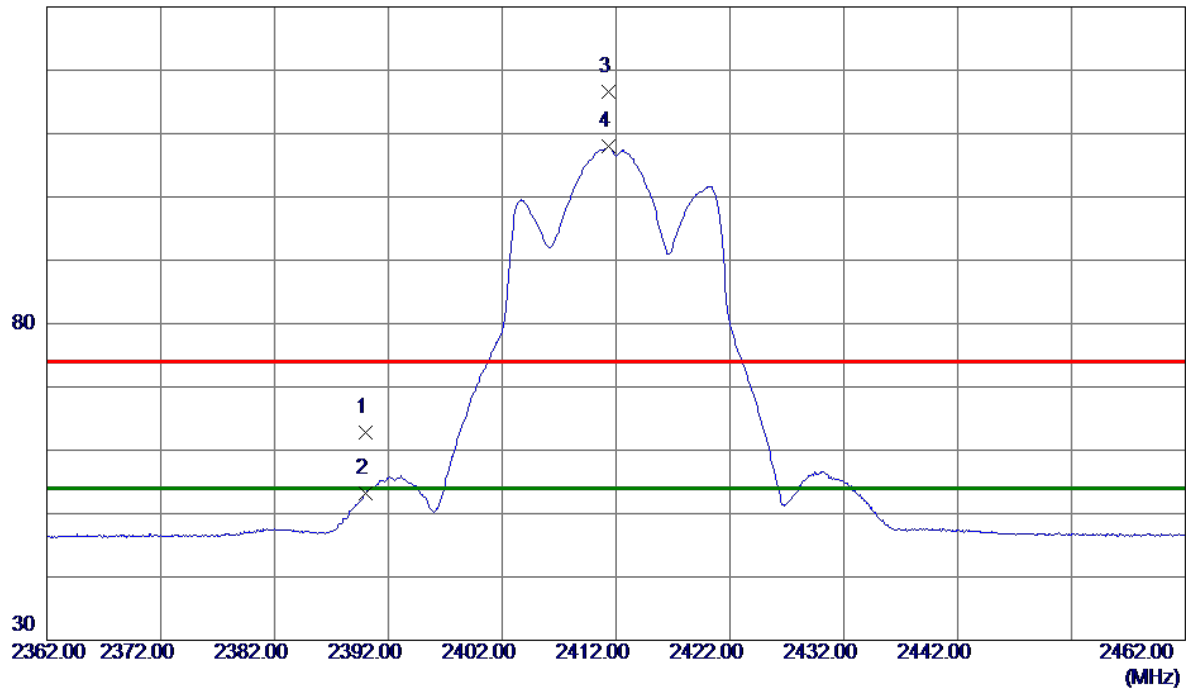
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7385.2000	36.99	8.31	45.30	54.00	-8.70	AVG	
2	7389.9500	48.57	8.31	56.88	74.00	-17.12	Peak	

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



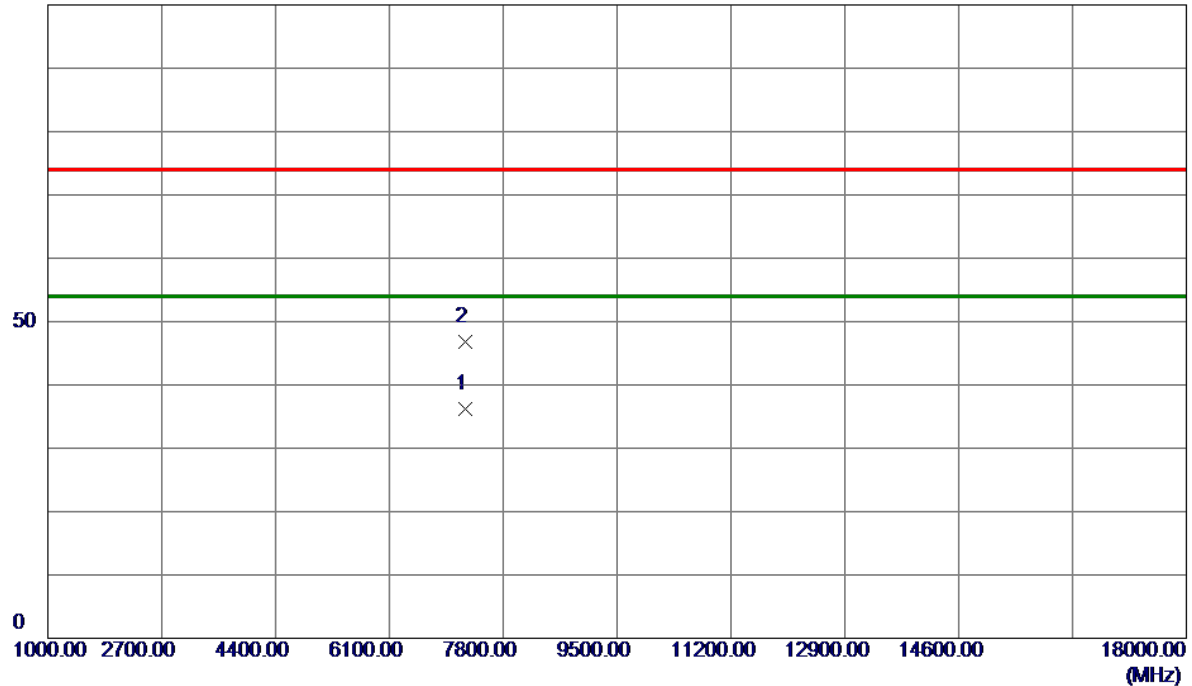
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	55.14	7.70	62.84	74.00	-11.16	Peak	
2	2390.0000	45.49	7.70	53.19	54.00	-0.81	AVG	
3	2411.3000	108.83	7.72	116.55	74.00	42.55	Peak	No Limit
4 *	2411.3000	100.21	7.72	107.93	54.00	53.93	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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100 dBuV/m



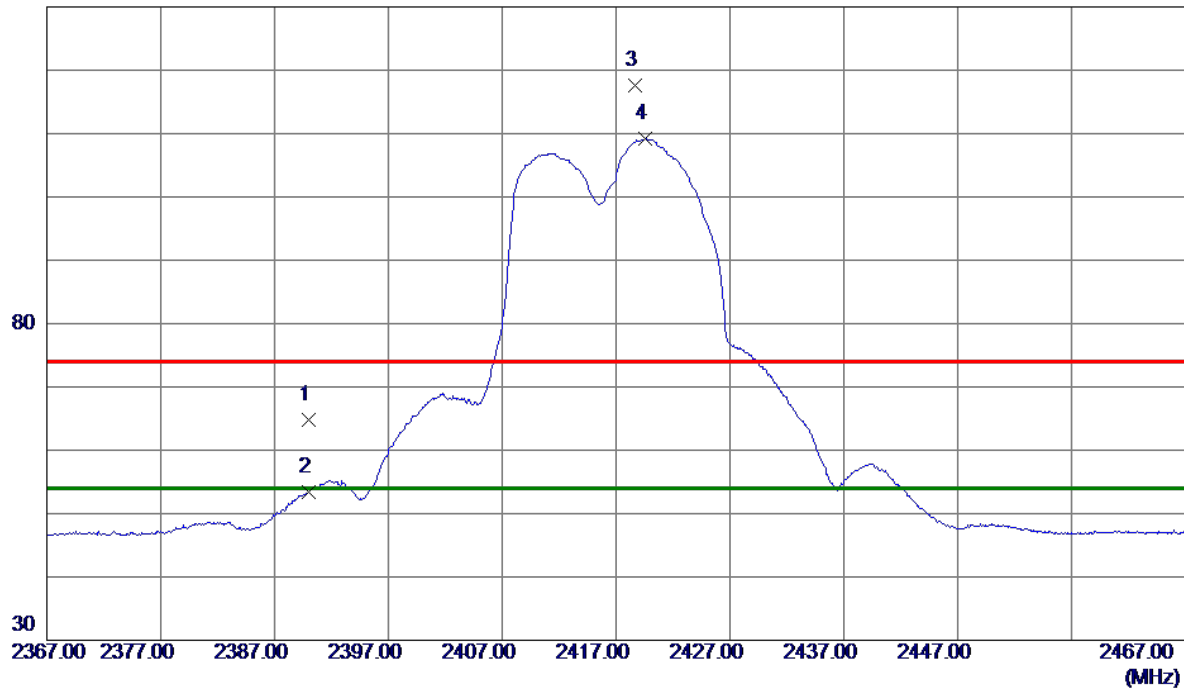
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7237.5000	27.92	8.30	36.22	54.00	-17.78	AVG	
2	7239.1000	38.48	8.30	46.78	74.00	-27.22	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2417 MHz	Polarization	Vertical
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130 dBuV/m



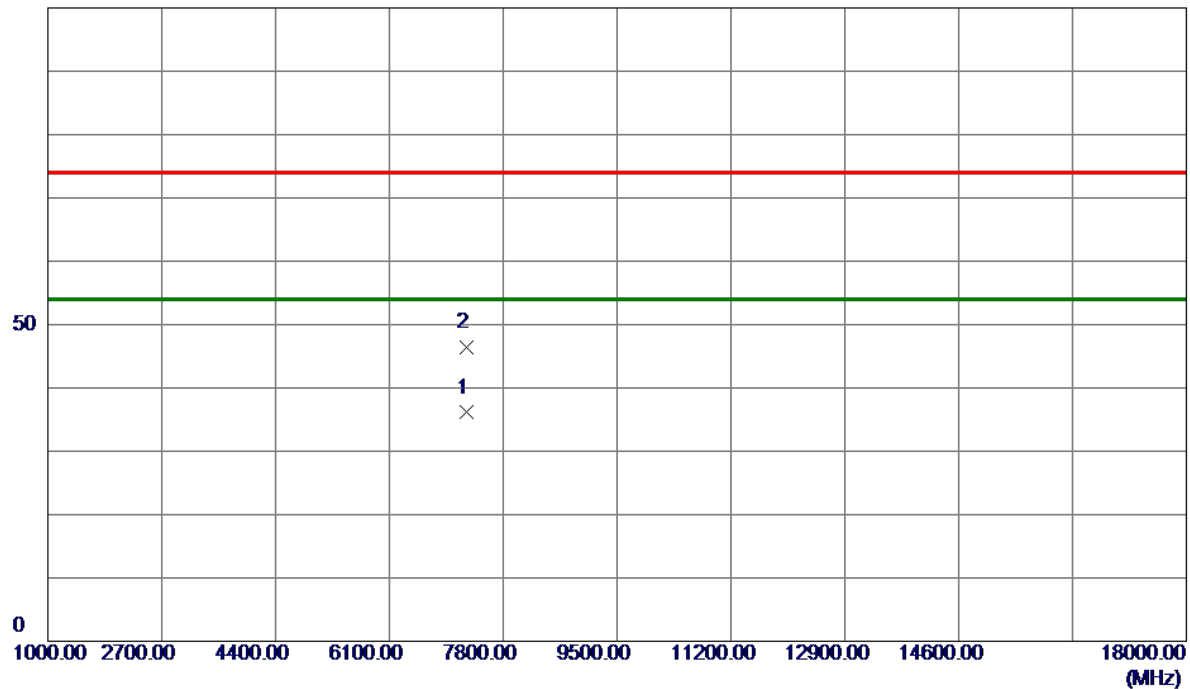
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	57.17	7.70	64.87	74.00	-9.13	Peak	
2	2390.0000	45.72	7.70	53.42	54.00	-0.58	AVG	
3	2418.7000	109.89	7.73	117.62	74.00	43.62	Peak	No Limit
4 *	2419.6000	101.55	7.73	109.28	54.00	55.28	AVG	No Limit

REMARKS:

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

Test Mode	TX N(HT20) Mode 2417 MHz	Polarization	Vertical
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100 dBuV/m



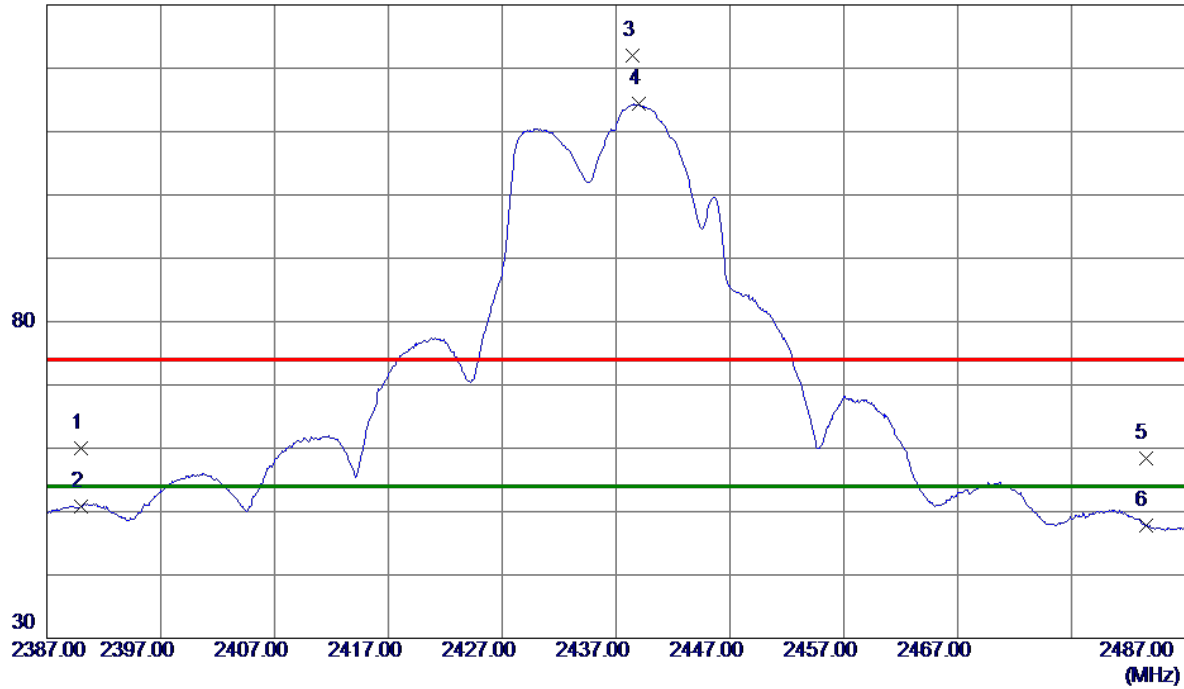
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7246.9500	27.80	8.30	36.10	54.00	-17.90	AVG	
2	7247.1500	38.03	8.30	46.33	74.00	-27.67	Peak	

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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130 dBuV/m



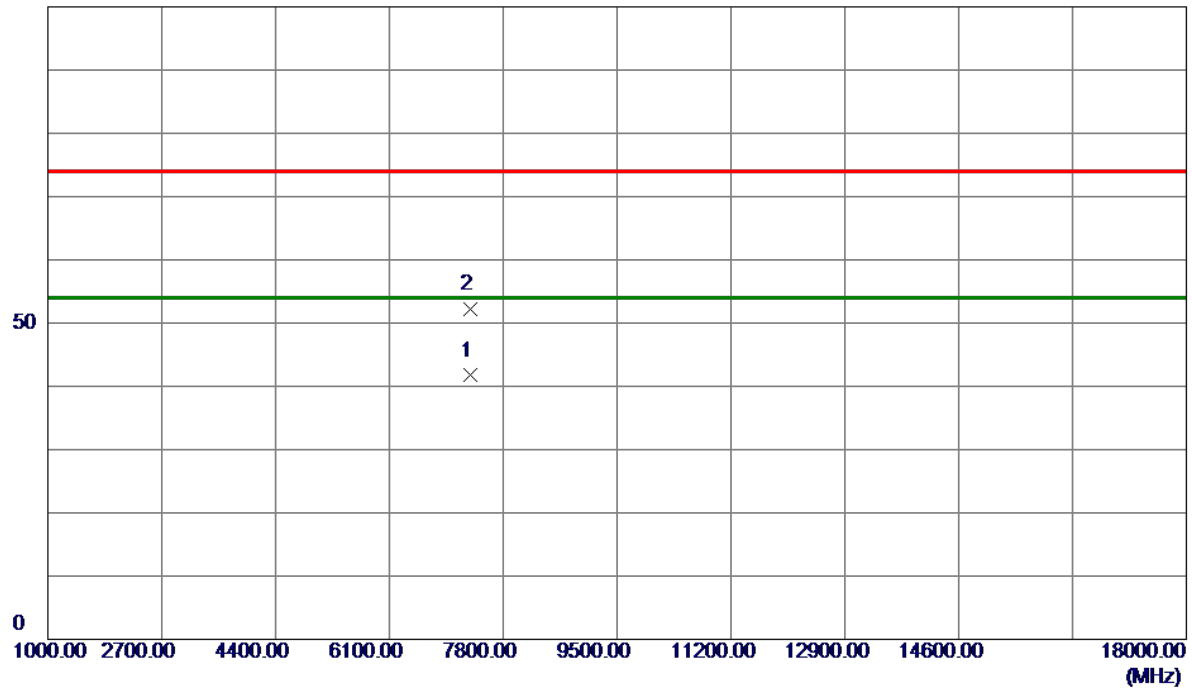
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	52.24	7.70	59.94	74.00	-14.06	Peak	
2	2390.0000	43.06	7.70	50.76	54.00	-3.24	AVG	
3	2438.4000	114.32	7.76	122.08	74.00	48.08	Peak	No Limit
4 *	2438.9500	106.59	7.76	114.35	54.00	60.35	AVG	No Limit
5	2483.5000	50.54	7.81	58.35	74.00	-15.65	Peak	
6	2483.5000	39.92	7.81	47.73	54.00	-6.27	AVG	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2437 MHz	Polarization	Vertical
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100 dBuV/m



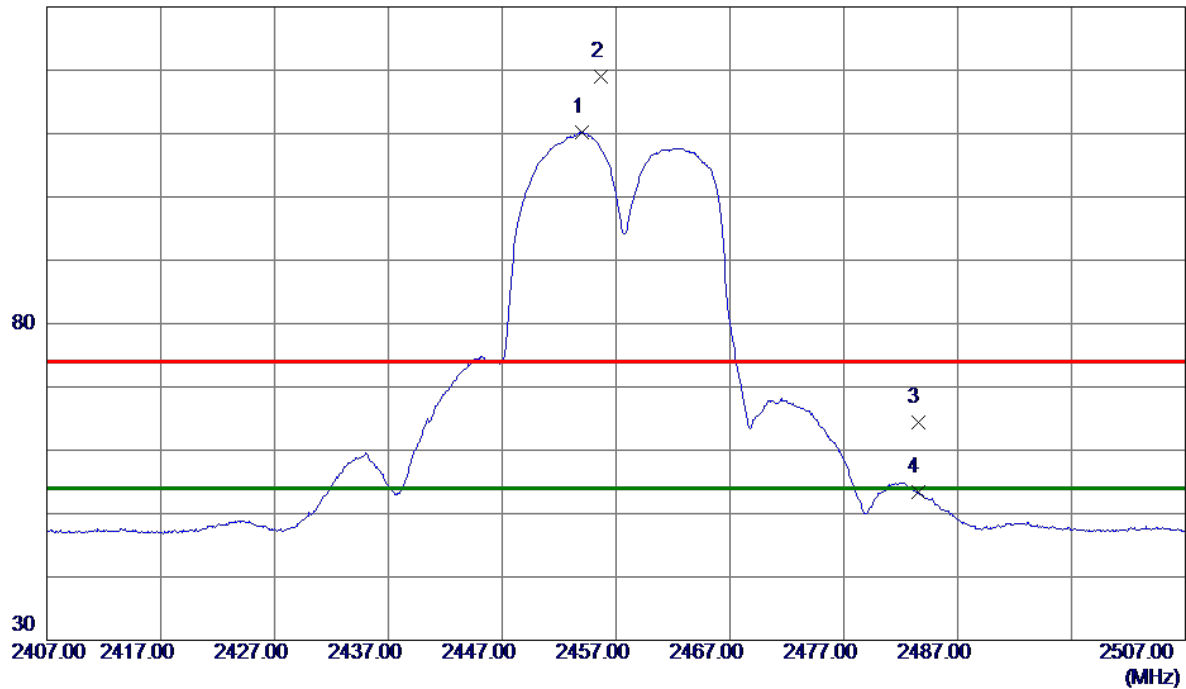
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7308.8000	33.40	8.30	41.70	54.00	-12.30	AVG	
2	7309.9000	43.82	8.30	52.12	74.00	-21.88	Peak	

REMARKS:

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

Test Mode	TX N(HT20) Mode 2457 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 *	2453.9500	102.43	7.77	110.20	54.00	56.20	AVG	No Limit
2	2455.6500	111.27	7.78	119.05	74.00	45.05	Peak	No Limit
3	2483.5000	56.50	7.81	64.31	74.00	-9.69	Peak	
4	2483.5000	45.55	7.81	53.36	54.00	-0.64	AVG	

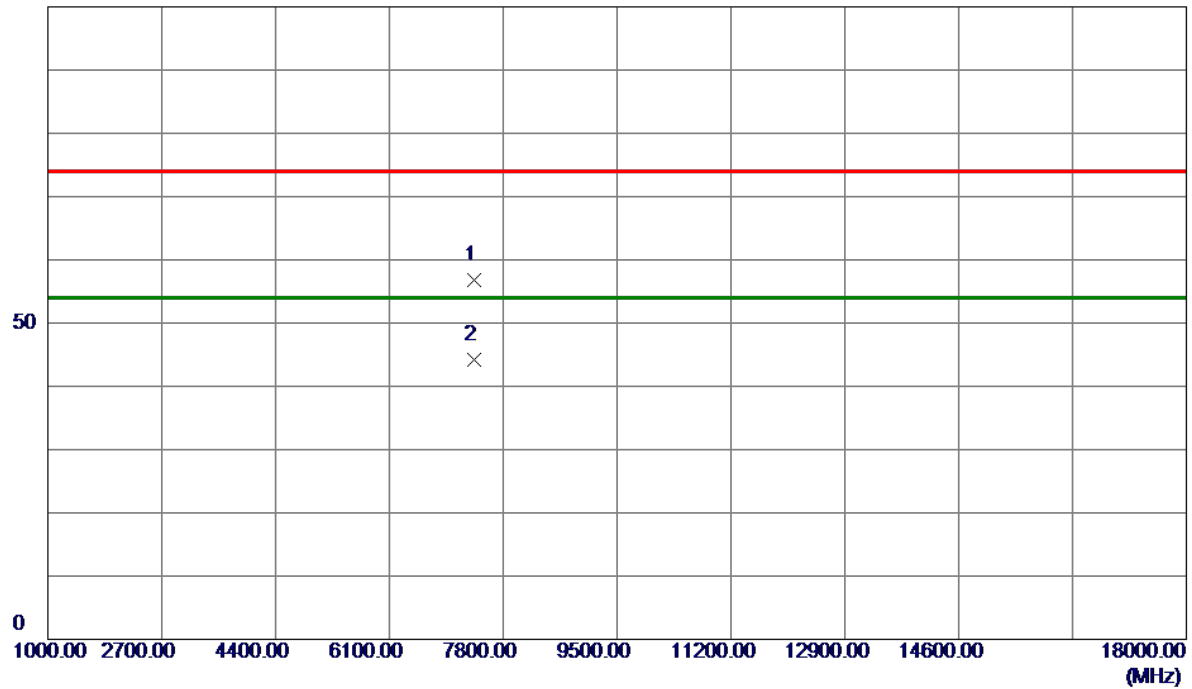
REMARKS:

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

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

Test Mode	TX N(HT20) Mode 2457 MHz	Polarization	Vertical
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100 dBuV/m



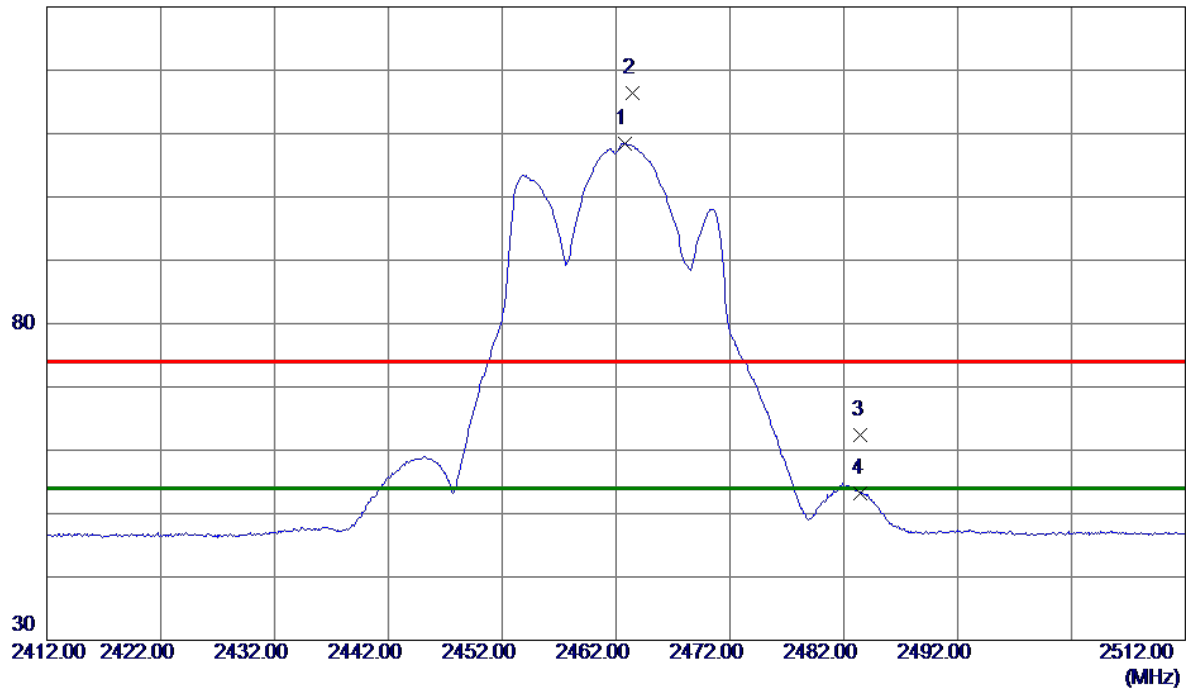
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7373.4500	48.40	8.31	56.71	74.00	-17.29	Peak	
2 *	7373.8500	35.87	8.31	44.18	54.00	-9.82	AVG	

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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130 dBuV/m



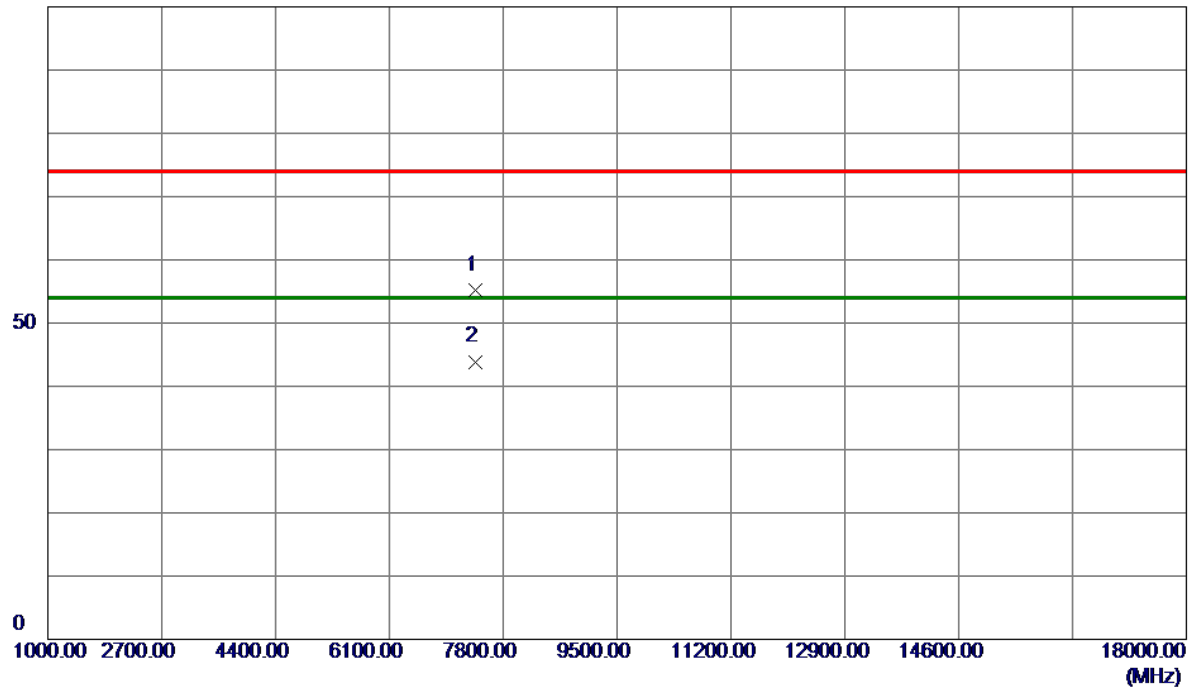
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2462.8000	100.66	7.79	108.45	54.00	54.45	AVG	No Limit
2	2463.4000	108.66	7.79	116.45	74.00	42.45	Peak	No Limit
3	2483.5000	54.53	7.81	62.34	74.00	-11.66	Peak	
4	2483.5000	45.33	7.81	53.14	54.00	-0.86	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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100 dBuV/m



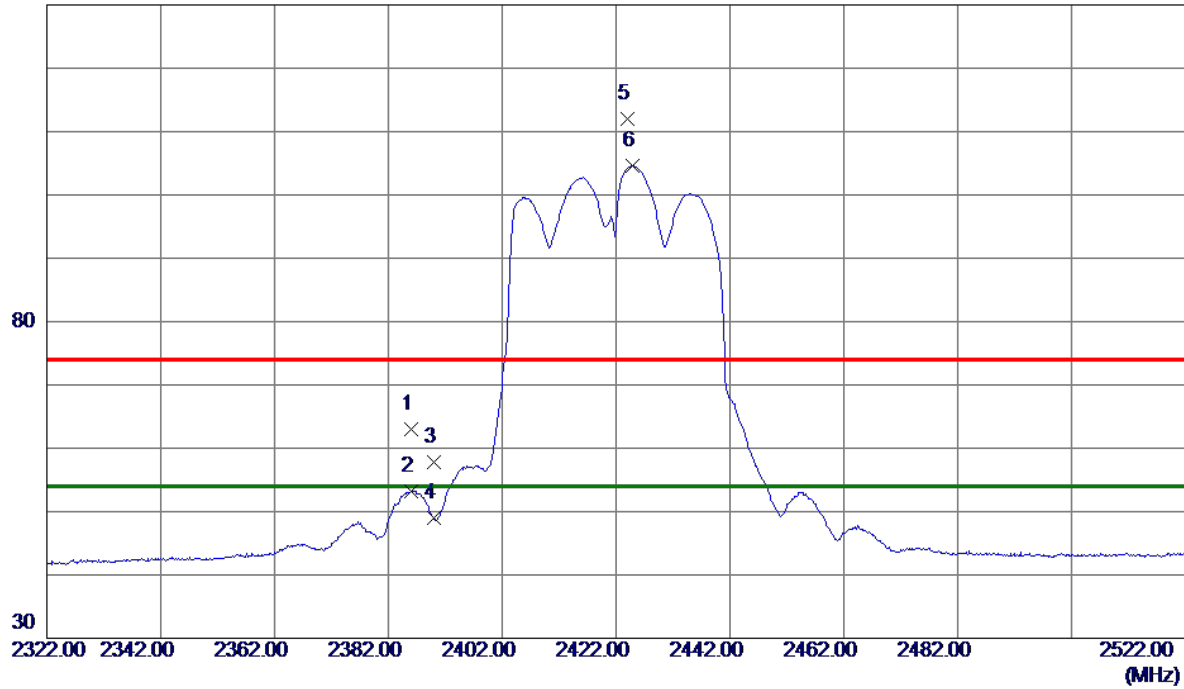
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7383.7750	46.92	8.31	55.23	74.00	-18.77	Peak	
2 *	7383.8000	35.59	8.31	43.90	54.00	-10.10	AVG	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical
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130 dBuV/m



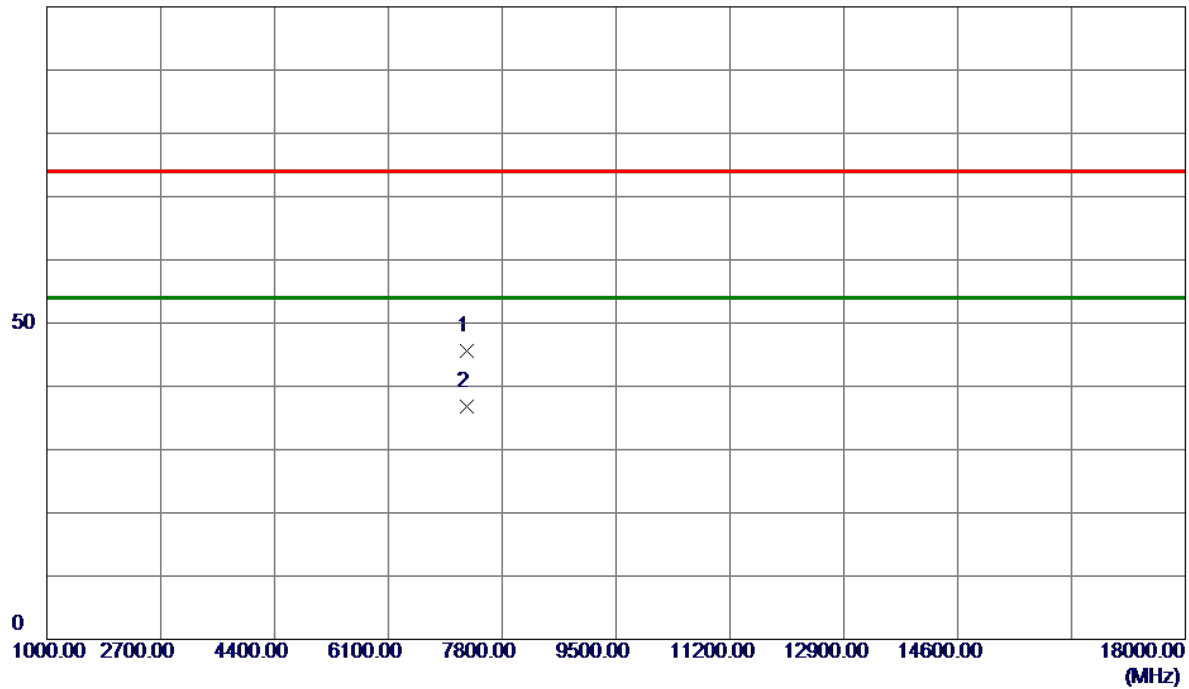
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2386.1000	55.36	7.69	63.05	74.00	-10.95	Peak	
2	2386.1000	45.59	7.69	53.28	54.00	-0.72	AVG	
3	2390.0000	50.09	7.70	57.79	74.00	-16.21	Peak	
4	2390.0000	41.22	7.70	48.92	54.00	-5.08	AVG	
5	2424.1000	104.22	7.74	111.96	74.00	37.96	Peak	No Limit
6 *	2424.9000	96.82	7.74	104.56	54.00	50.56	AVG	No Limit

REMARKS:

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

Test Mode	TX N(HT40) Mode 2422 MHz	Polarization	Vertical
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100 dBuV/m



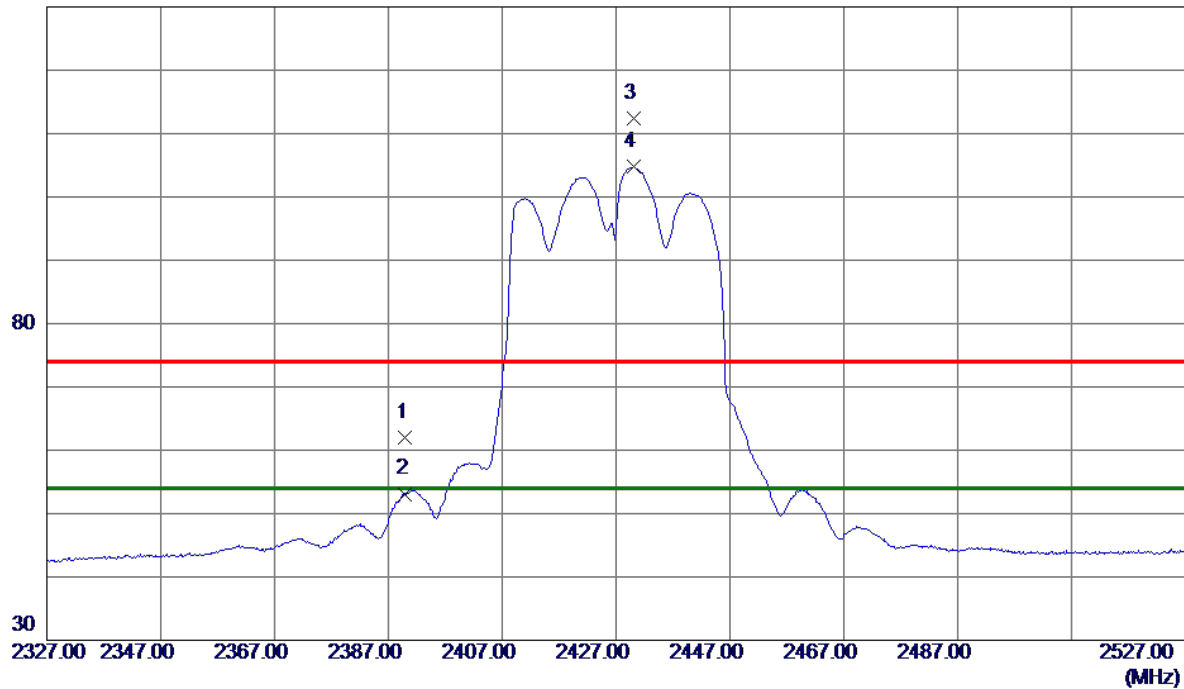
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7278.8000	37.38	8.30	45.68	74.00	-28.32	Peak	
2 *	7279.1000	28.47	8.30	36.77	54.00	-17.23	AVG	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2427 MHz	Polarization	Vertical
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130 dBuV/m



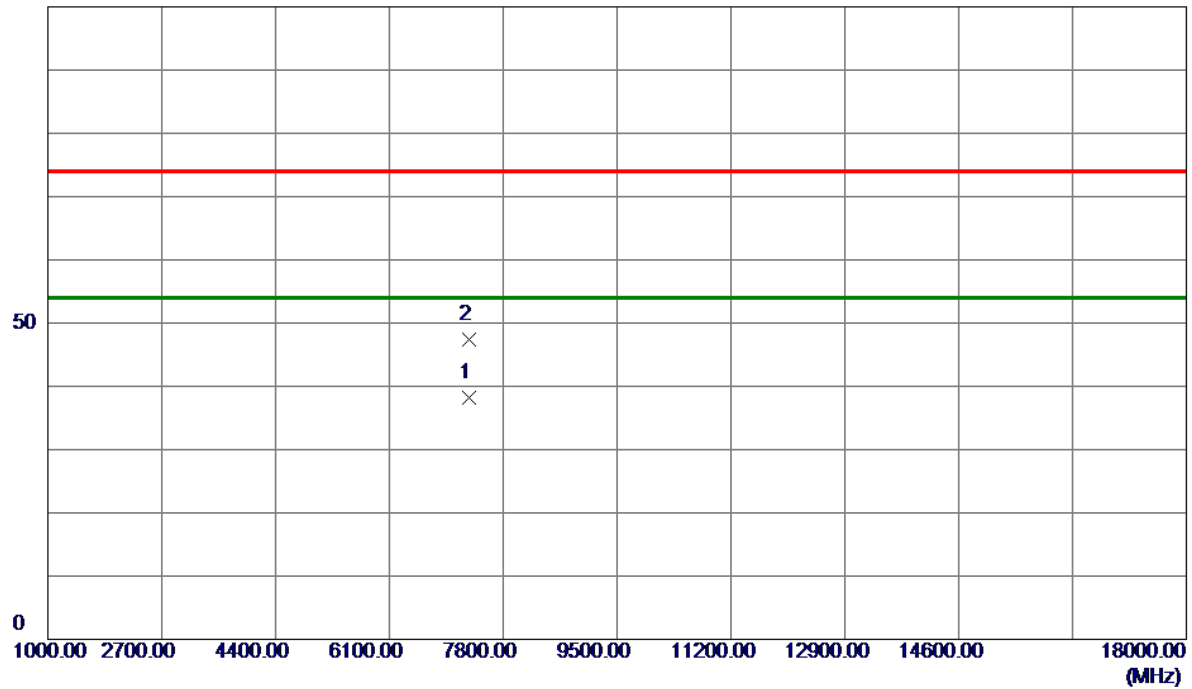
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.38	7.70	62.08	74.00	-11.92	Peak	
2	2390.0000	45.40	7.70	53.10	54.00	-0.90	AVG	
3	2430.2000	104.69	7.75	112.44	74.00	38.44	Peak	No Limit
4 *	2430.2000	97.04	7.75	104.79	54.00	50.79	AVG	No Limit

REMARKS:

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

Test Mode	TX N(HT40) Mode 2427 MHz	Polarization	Vertical
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100 dBuV/m



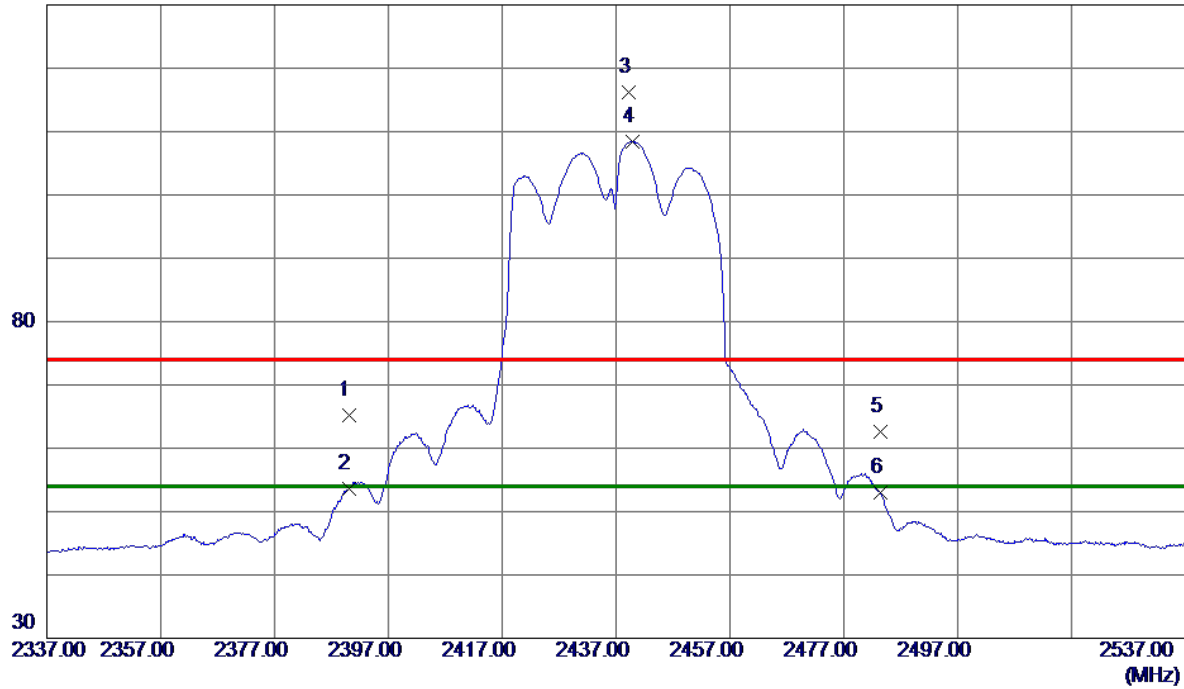
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7294.1000	29.81	8.30	38.11	54.00	-15.89	AVG	
2	7294.3000	39.04	8.30	47.34	74.00	-26.66	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2437 MHz	Polarization	Vertical
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130 dBuV/m



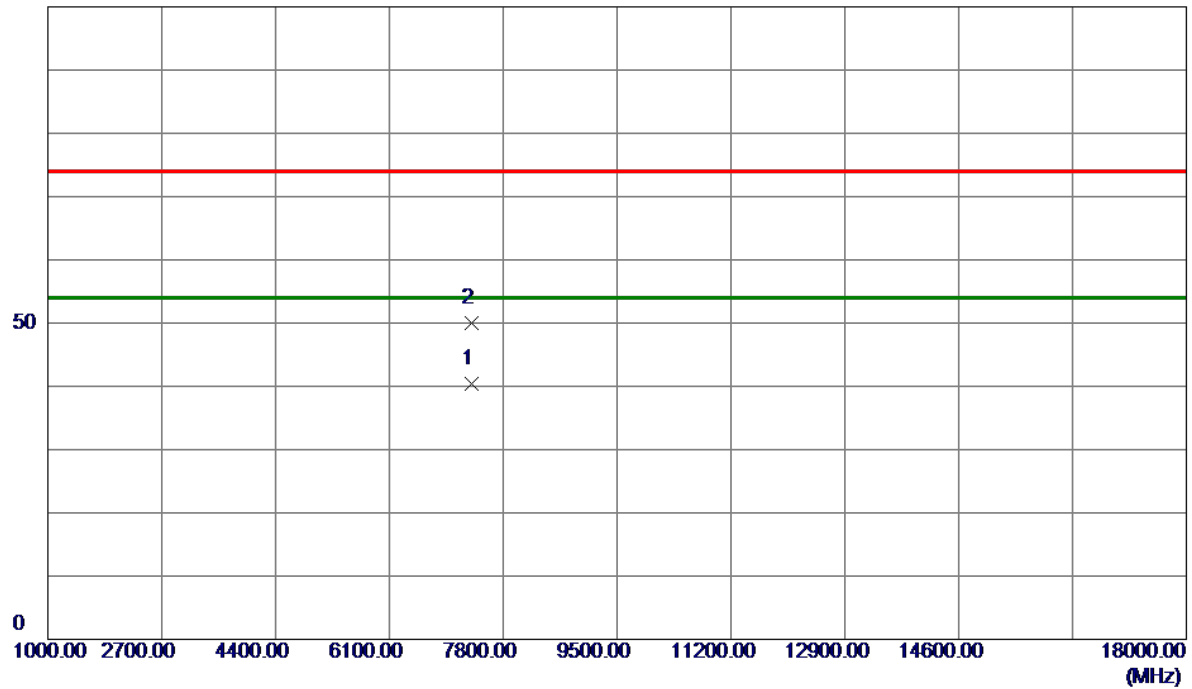
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	57.41	7.70	65.11	74.00	-8.89	Peak	
2	2390.0000	45.95	7.70	53.65	54.00	-0.35	AVG	
3	2439.2000	108.51	7.76	116.27	74.00	42.27	Peak	No Limit
4 *	2439.8000	100.68	7.76	108.44	54.00	54.44	AVG	No Limit
5	2483.5000	54.78	7.81	62.59	74.00	-11.41	Peak	
6	2483.5000	45.18	7.81	52.99	54.00	-1.01	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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100 dBuV/m



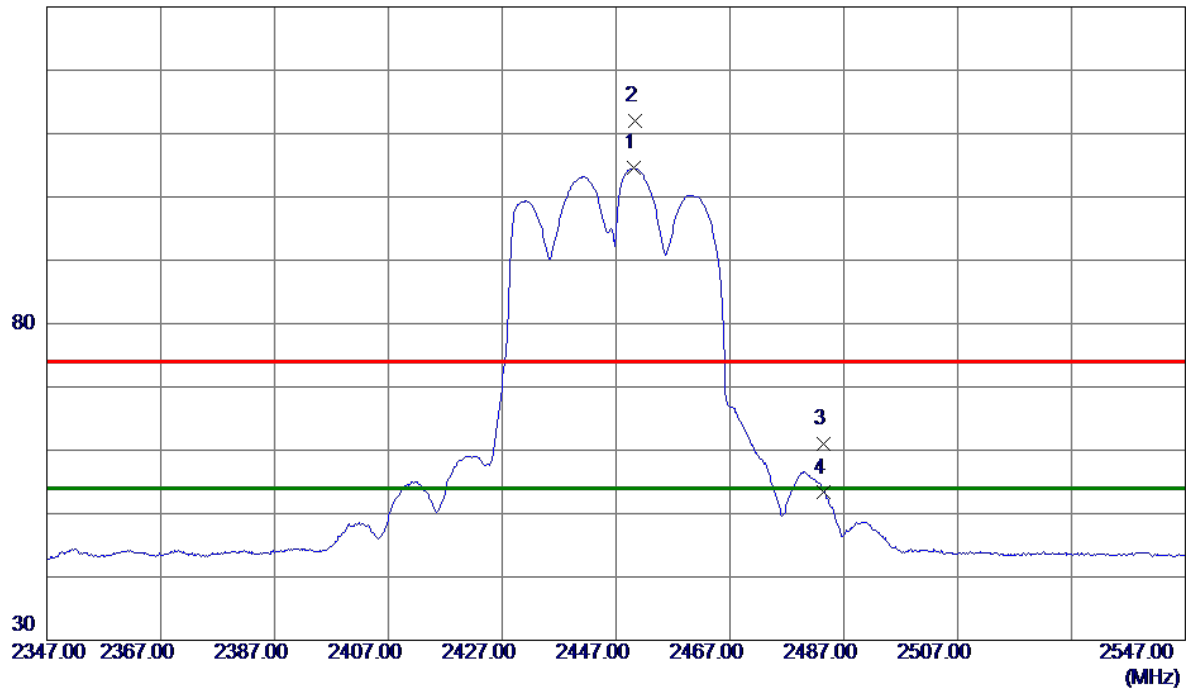
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7320.0000	32.07	8.31	40.38	54.00	-13.62	AVG	
2	7328.4000	41.60	8.31	49.91	74.00	-24.09	Peak	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2447 MHz	Polarization	Vertical
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130 dBuV/m



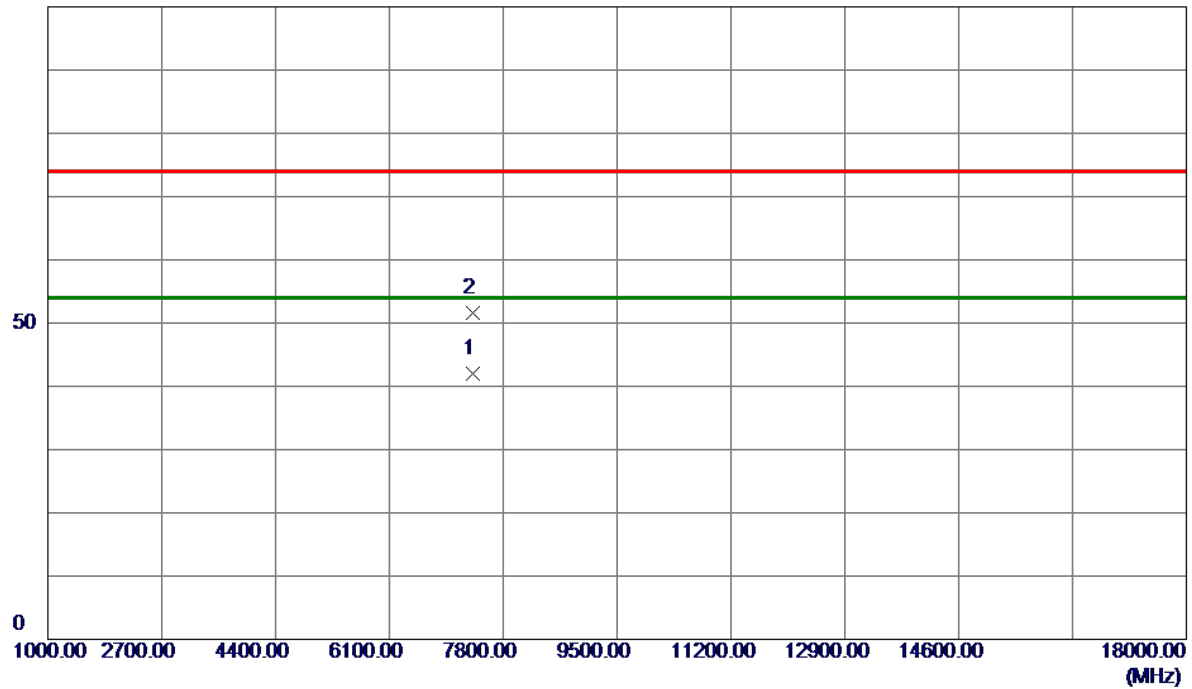
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2450.1000	96.76	7.77	104.53	54.00	50.53	AVG	No Limit
2	2450.4000	104.19	7.77	111.96	74.00	37.96	Peak	No Limit
3	2483.5000	53.23	7.81	61.04	74.00	-12.96	Peak	
4	2483.5000	45.49	7.81	53.30	54.00	-0.70	AVG	

REMARKS:

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

Test Mode	TX N(HT40) Mode 2447 MHz	Polarization	Vertical
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100 dBuV/m



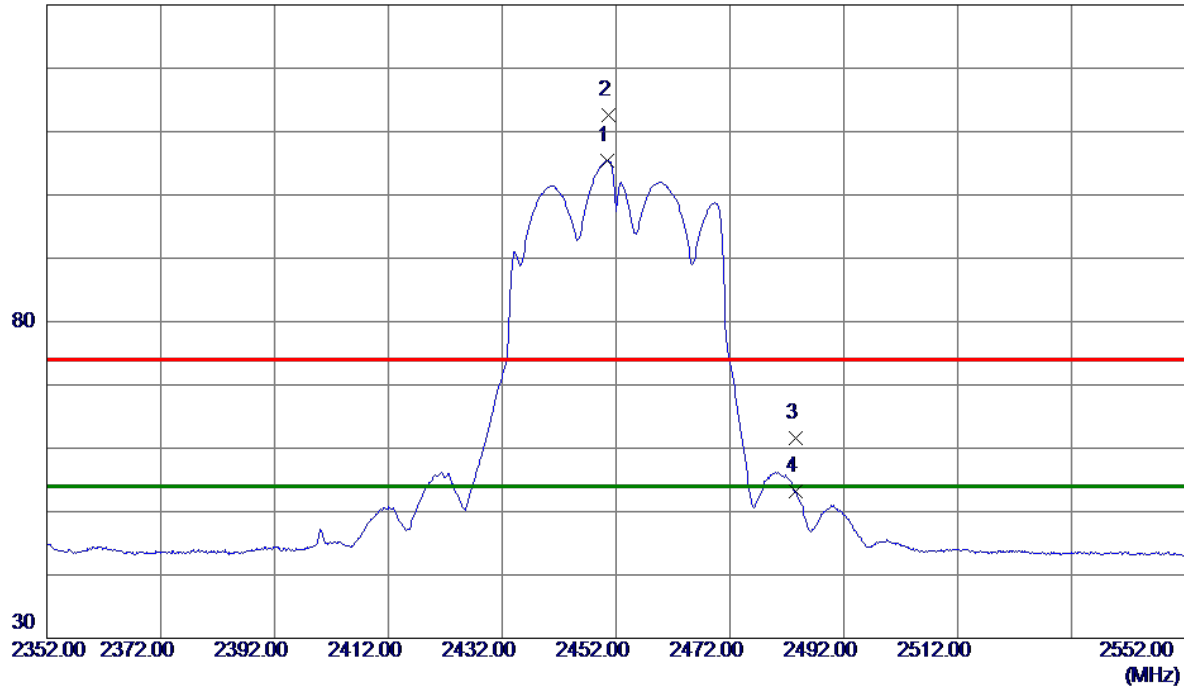
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7338.5000	33.60	8.31	41.91	54.00	-12.09	AVG	
2	7348.0000	43.29	8.31	51.60	74.00	-22.40	Peak	

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



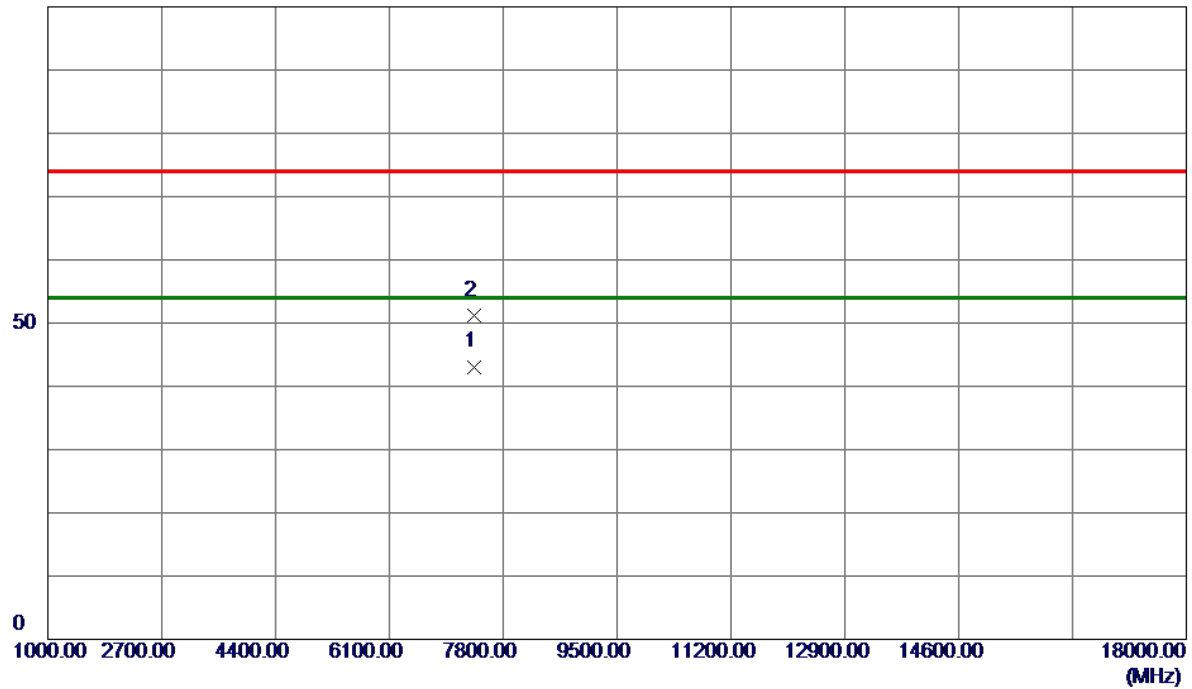
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2450.4000	97.62	7.77	105.39	54.00	51.39	AVG	No Limit
2	2450.6000	104.90	7.77	112.67	74.00	38.67	Peak	No Limit
3	2483.5000	53.85	7.81	61.66	74.00	-12.34	Peak	
4	2483.5000	45.31	7.81	53.12	54.00	-0.88	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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100 dBuV/m



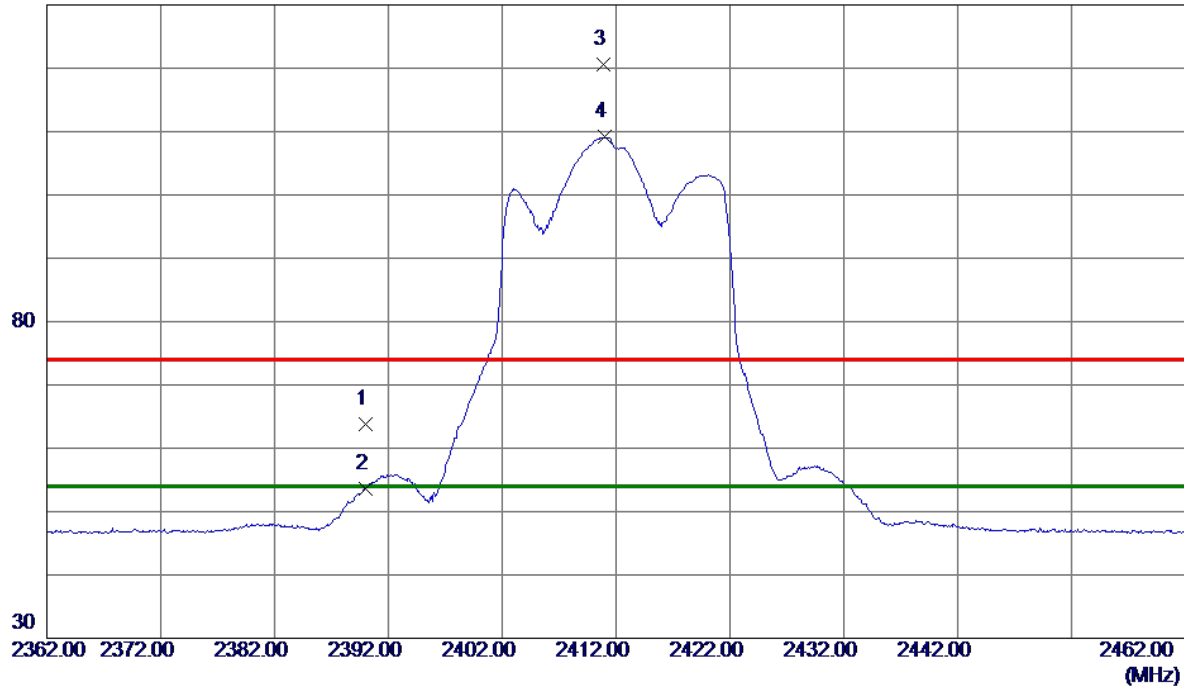
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7362.7500	34.79	8.31	43.10	54.00	-10.90	AVG	
2	7364.7500	42.88	8.31	51.19	74.00	-22.81	Peak	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Vertical
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130 dBuV/m



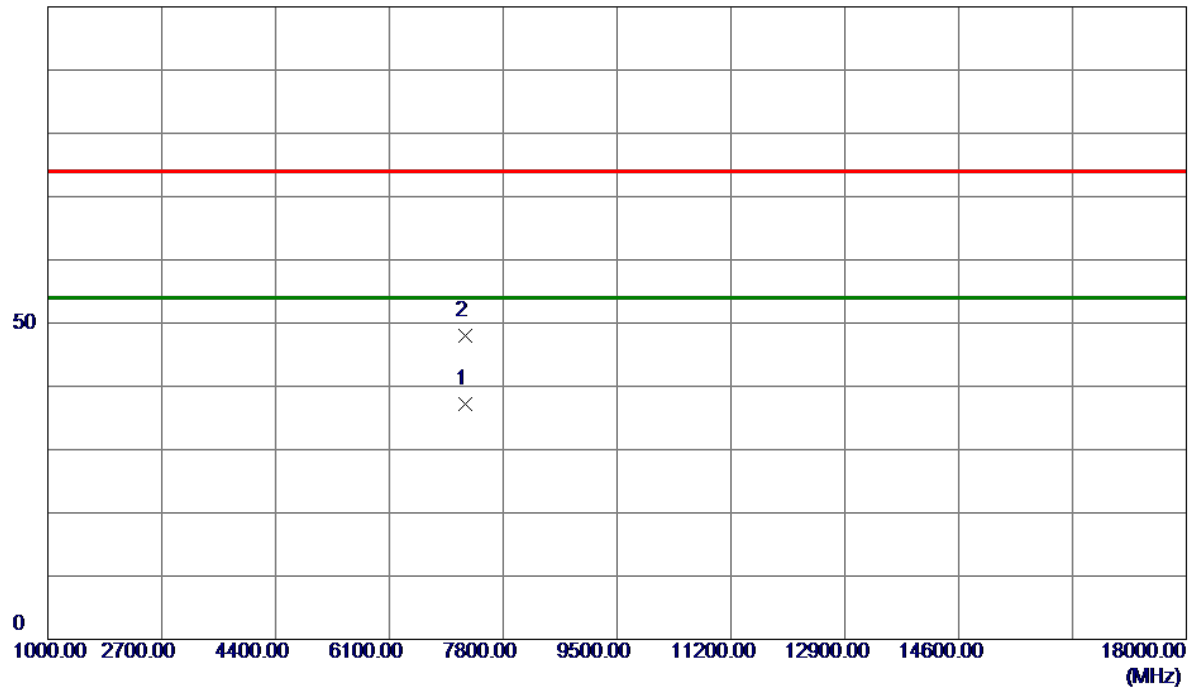
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	56.01	7.70	63.71	74.00	-10.29	Peak	
2	2390.0000	45.99	7.70	53.69	54.00	-0.31	AVG	
3	2410.8500	112.84	7.72	120.56	74.00	46.56	Peak	No Limit
4 *	2410.9500	101.40	7.72	109.12	54.00	55.12	AVG	No Limit

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2412 MHz	Polarization	Vertical
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100 dBuV/m



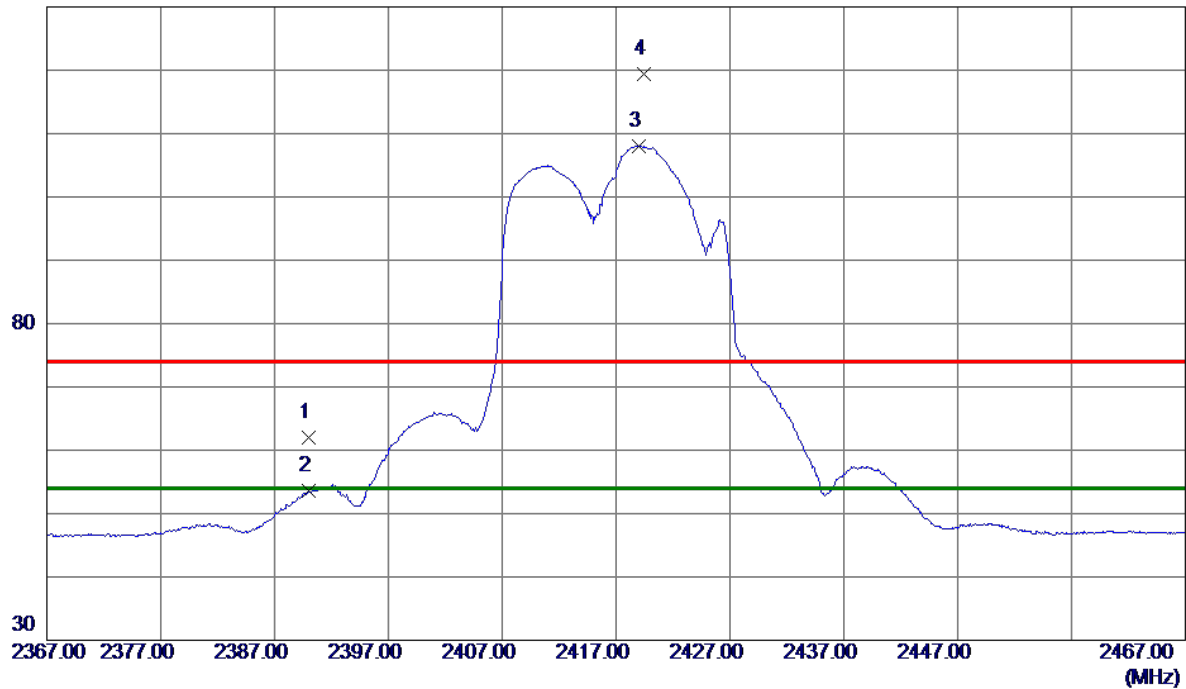
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7237.1750	28.87	8.30	37.17	54.00	-16.83	AVG	
2	7239.8000	39.62	8.30	47.92	74.00	-26.08	Peak	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2417 MHz	Polarization	Vertical
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130 dBuV/m



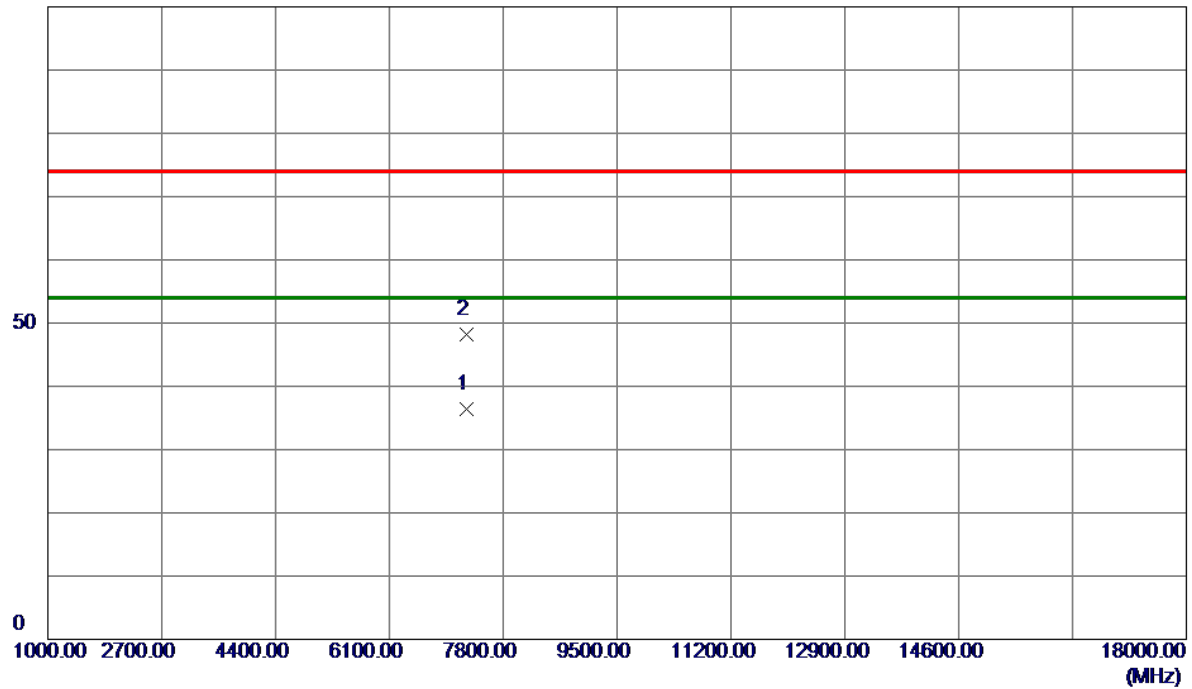
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	54.29	7.70	61.99	74.00	-12.01	Peak	
2	2390.0000	45.87	7.70	53.57	54.00	-0.43	AVG	
3 *	2418.9500	100.32	7.73	108.05	54.00	54.05	AVG	No Limit
4	2419.4500	111.67	7.73	119.40	74.00	45.40	Peak	No Limit

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2417 MHz	Polarization	Vertical
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100 dBuV/m

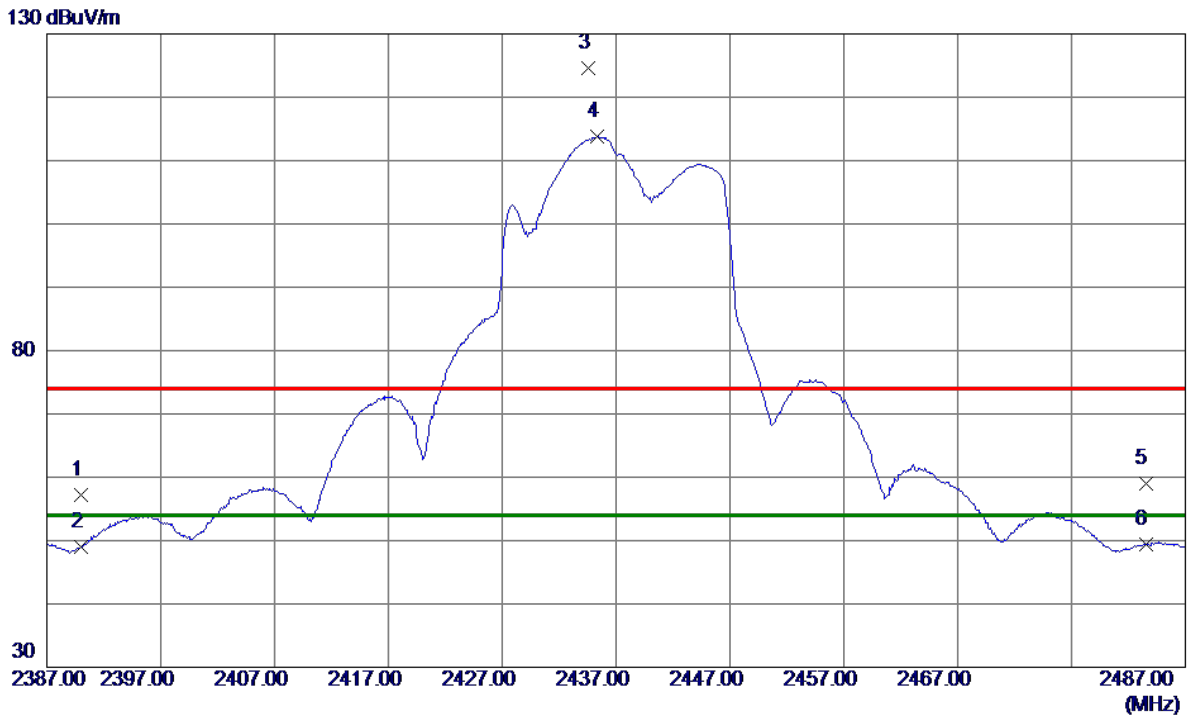


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7257.5000	28.04	8.30	36.34	54.00	-17.66	AVG	
2	7257.9000	39.81	8.30	48.11	74.00	-25.89	Peak	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Vertical
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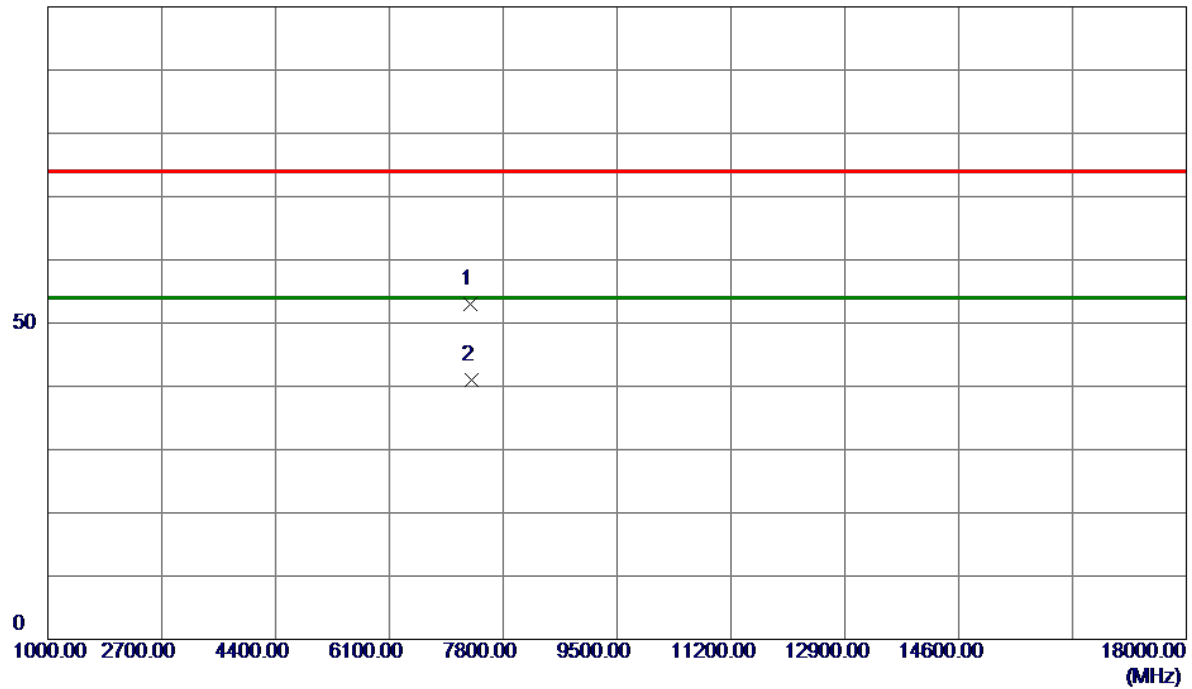
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	49.59	7.70	57.29	74.00	-16.71	Peak	
2	2390.0000	41.35	7.70	49.05	54.00	-4.95	AVG	
3	2434.6000	116.76	7.75	124.51	74.00	50.51	Peak	No Limit
4 *	2435.3500	106.00	7.75	113.75	54.00	59.75	AVG	No Limit
5	2483.5000	51.21	7.81	59.02	74.00	-14.98	Peak	
6	2483.5000	41.50	7.81	49.31	54.00	-4.69	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2437 MHz	Polarization	Vertical
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100 dBuV/m



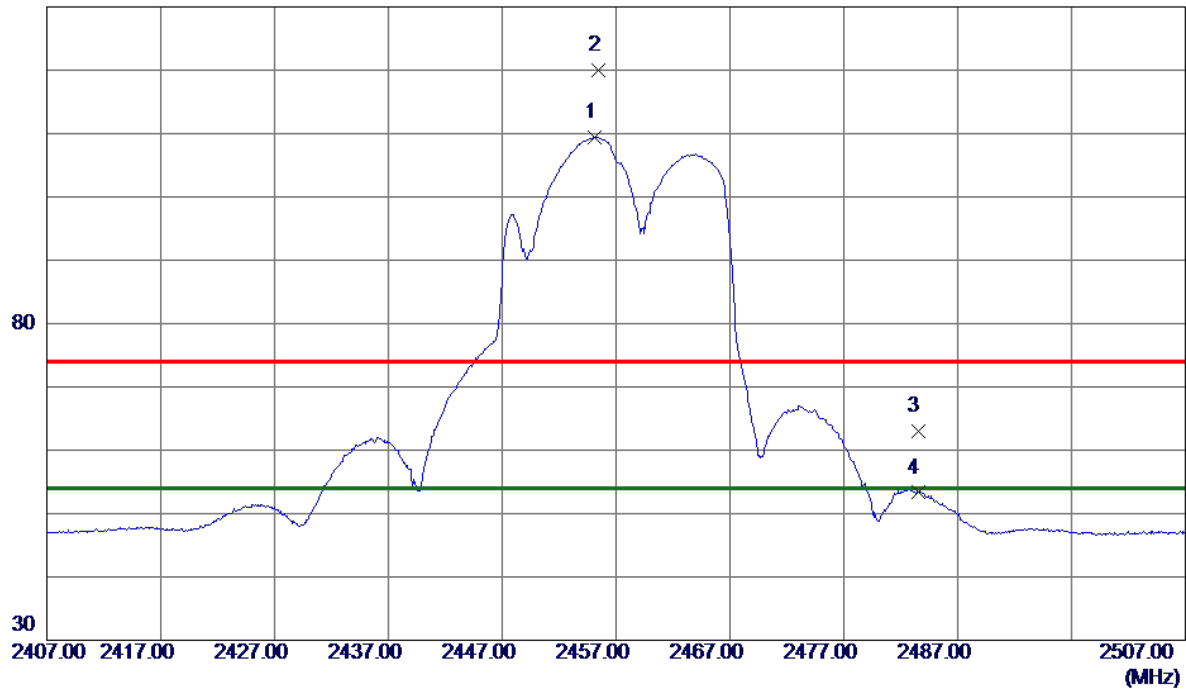
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7317.2500	44.62	8.31	52.93	74.00	-21.07	Peak	
2 *	7319.0000	32.76	8.31	41.07	54.00	-12.93	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2457 MHz	Polarization	Vertical
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130 dBuV/m



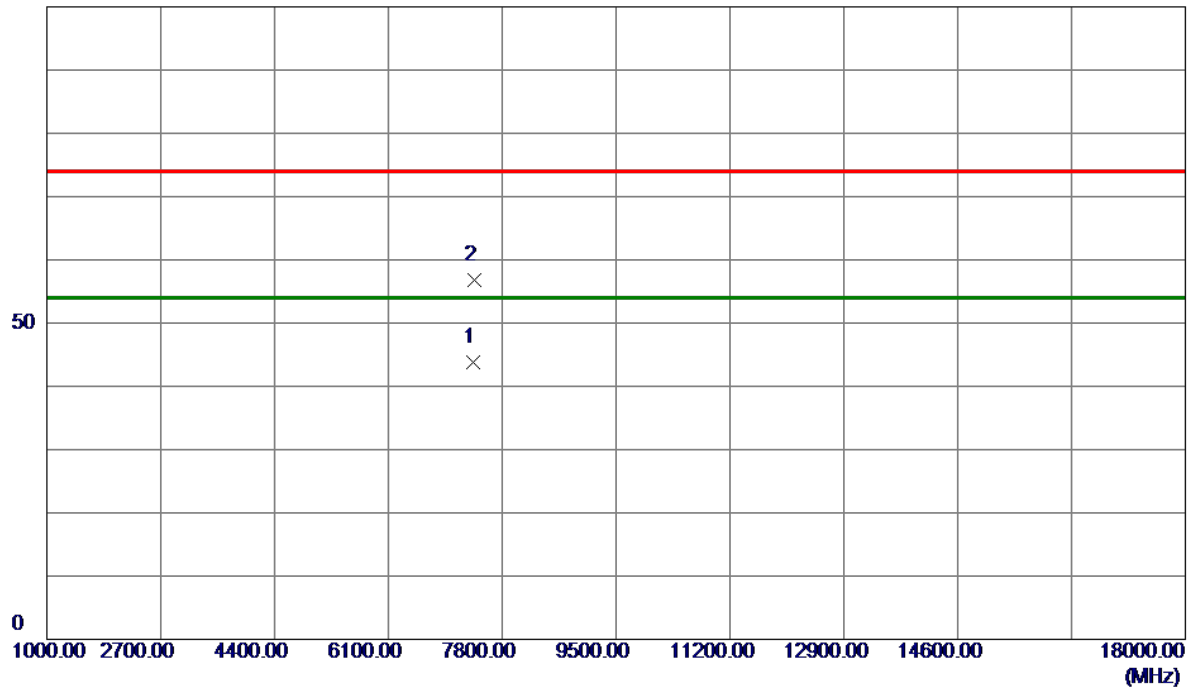
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2455.1500	101.63	7.78	109.41	54.00	55.41	AVG	No Limit
2	2455.4500	112.17	7.78	119.95	74.00	45.95	Peak	No Limit
3	2483.5000	55.23	7.81	63.04	74.00	-10.96	Peak	
4	2483.5000	45.49	7.81	53.30	54.00	-0.70	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2457 MHz	Polarization	Vertical
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100 dBuV/m



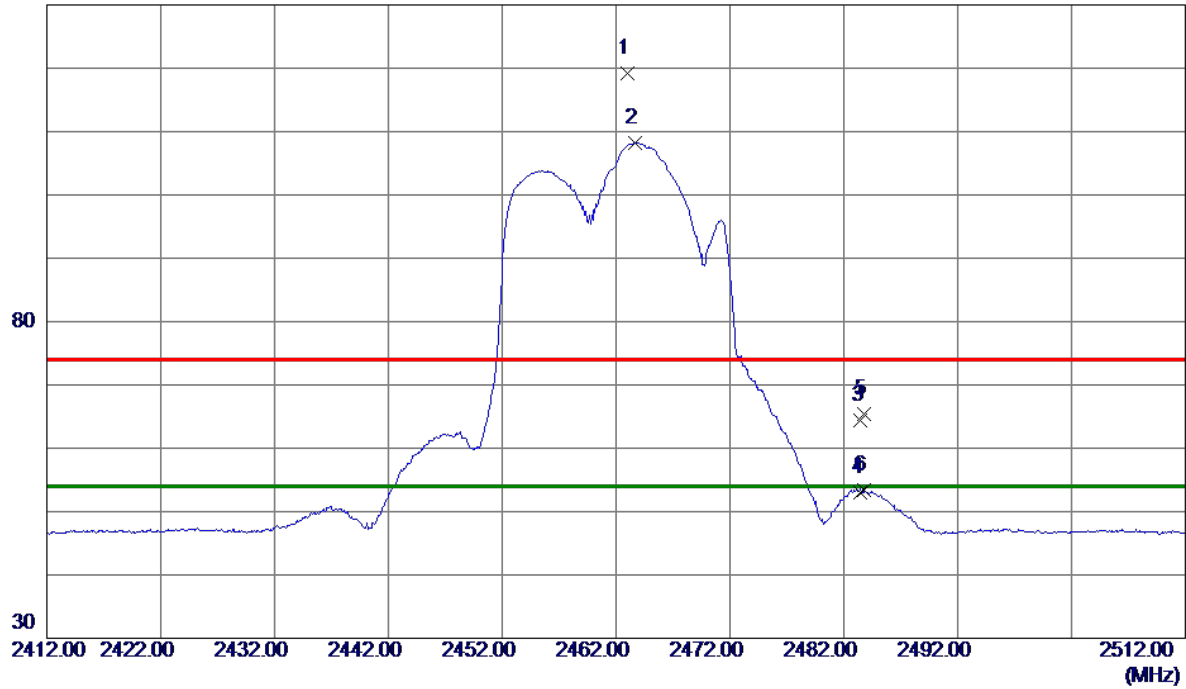
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7368.2500	35.41	8.31	43.72	54.00	-10.28	AVG	
2	7379.1000	48.42	8.31	56.73	74.00	-17.27	Peak	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Vertical
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130 dBuV/m



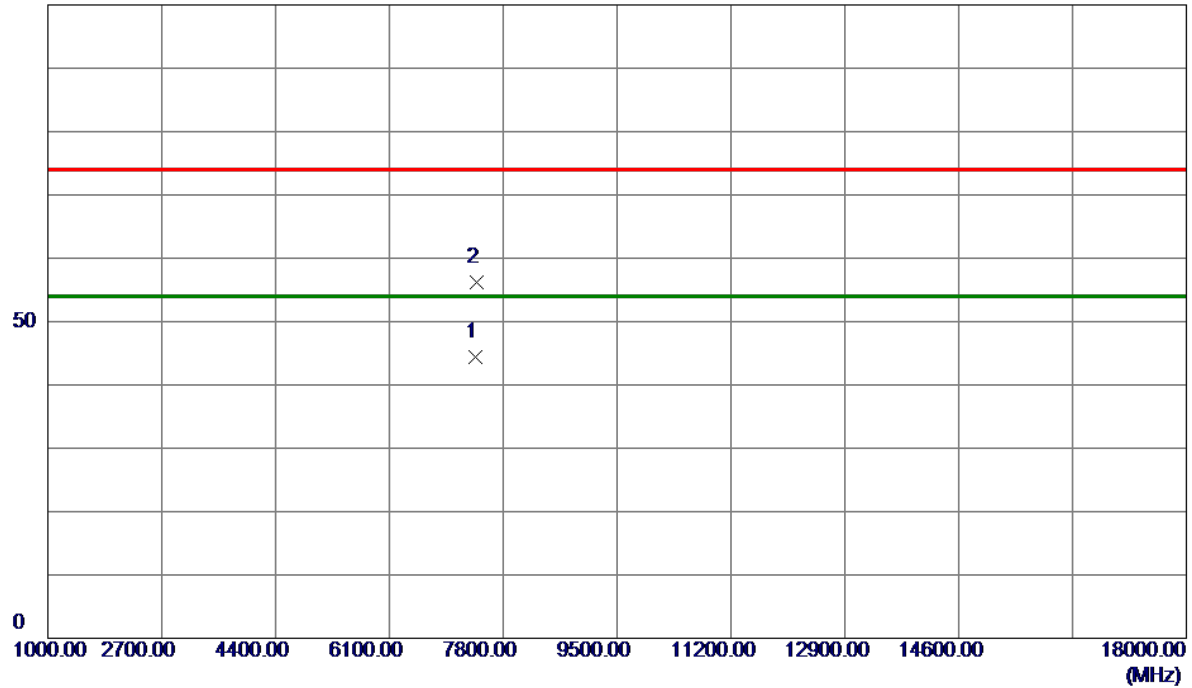
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2463.0500	111.38	7.79	119.17	74.00	45.17	Peak	No Limit
2 *	2463.6500	100.47	7.79	108.26	54.00	54.26	AVG	No Limit
3	2483.5000	56.65	7.81	64.46	74.00	-9.54	Peak	
4	2483.5000	45.22	7.81	53.03	54.00	-0.97	AVG	
5	2483.7500	57.56	7.81	65.37	74.00	-8.63	Peak	
6	2483.7500	45.50	7.81	53.31	54.00	-0.69	AVG	

REMARKS:

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

Test Mode	TX AX(HE20) Mode 2462 MHz	Polarization	Vertical
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100 dBuV/m



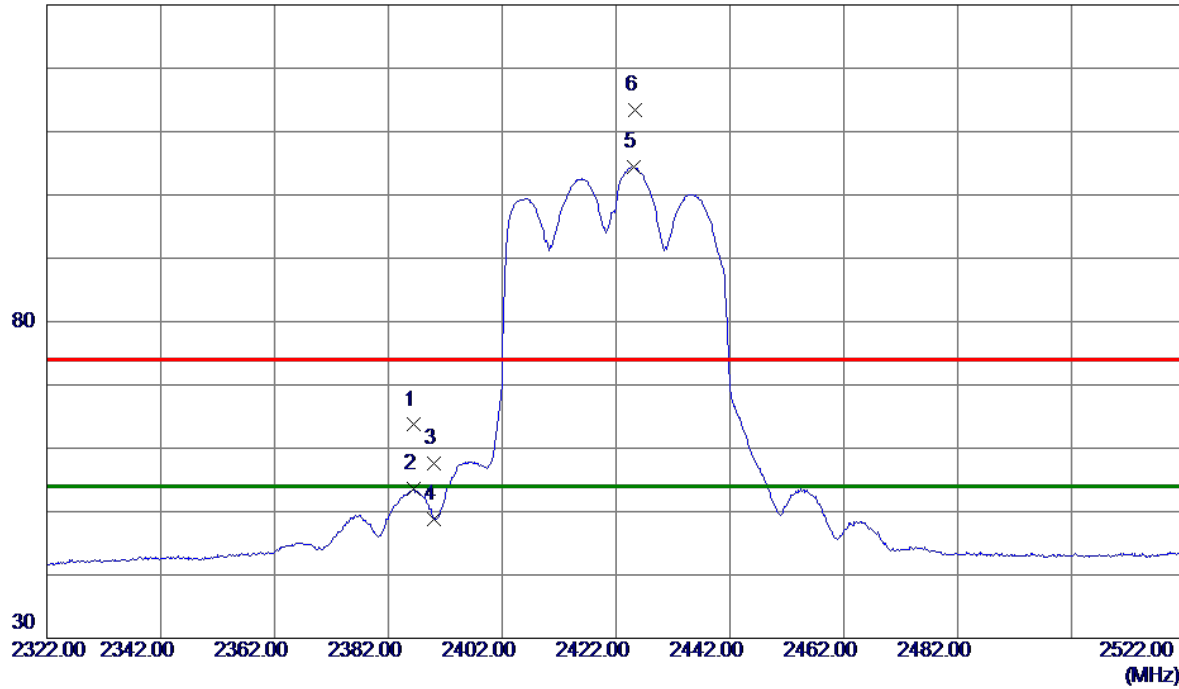
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7383.6500	36.00	8.31	44.31	54.00	-9.69	AVG	
2	7394.2500	47.94	8.31	56.25	74.00	-17.75	Peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Vertical
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130 dBuV/m



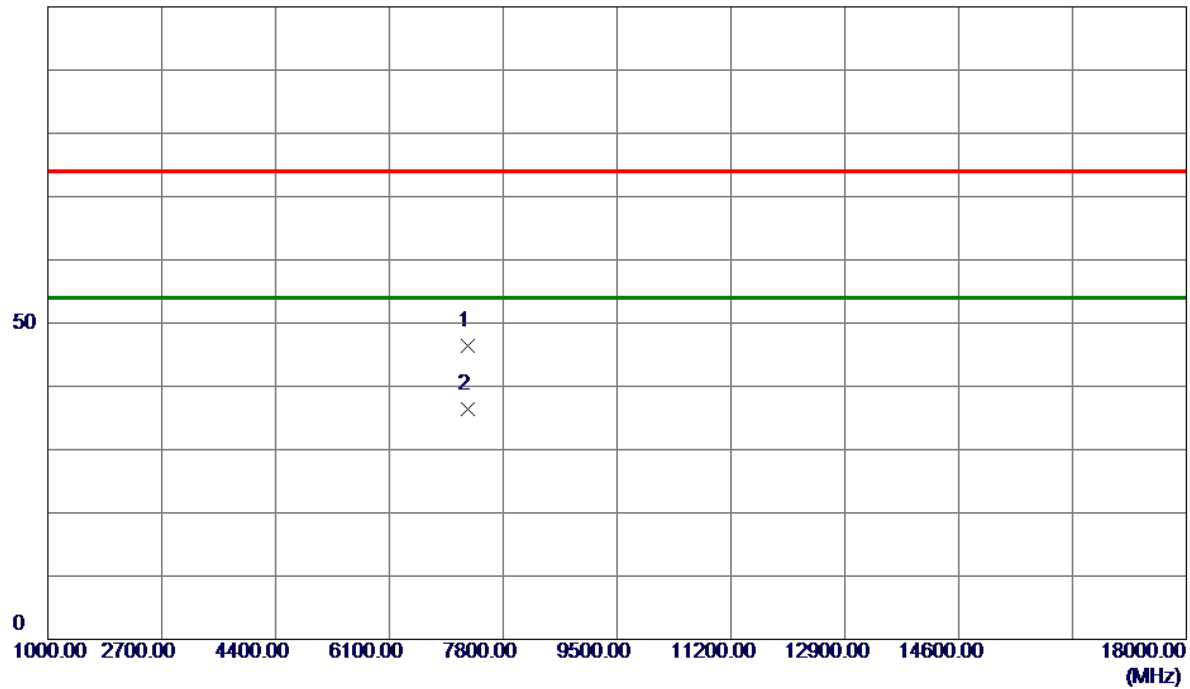
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2386.5000	56.01	7.69	63.70	74.00	-10.30	Peak	
2	2386.5000	45.83	7.69	53.52	54.00	-0.48	AVG	
3	2390.0000	49.95	7.70	57.65	74.00	-16.35	Peak	
4	2390.0000	41.17	7.70	48.87	54.00	-5.13	AVG	
5 *	2425.2000	96.74	7.74	104.48	54.00	50.48	AVG	No Limit
6	2425.3000	105.59	7.74	113.33	74.00	39.33	Peak	No Limit

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2422 MHz	Polarization	Vertical
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100 dBuV/m



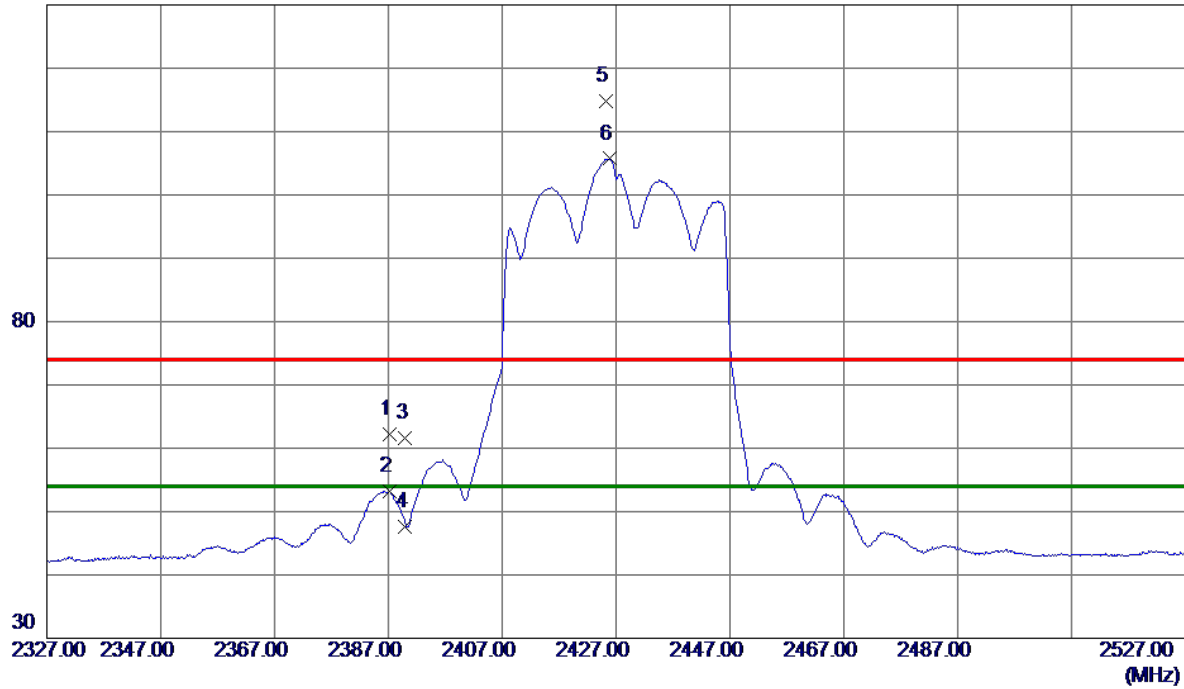
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7263.1000	38.09	8.30	46.39	74.00	-27.61	Peak	
2 *	7273.0000	28.06	8.30	36.36	54.00	-17.64	AVG	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2427 MHz	Polarization	Vertical
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130 dBuV/m



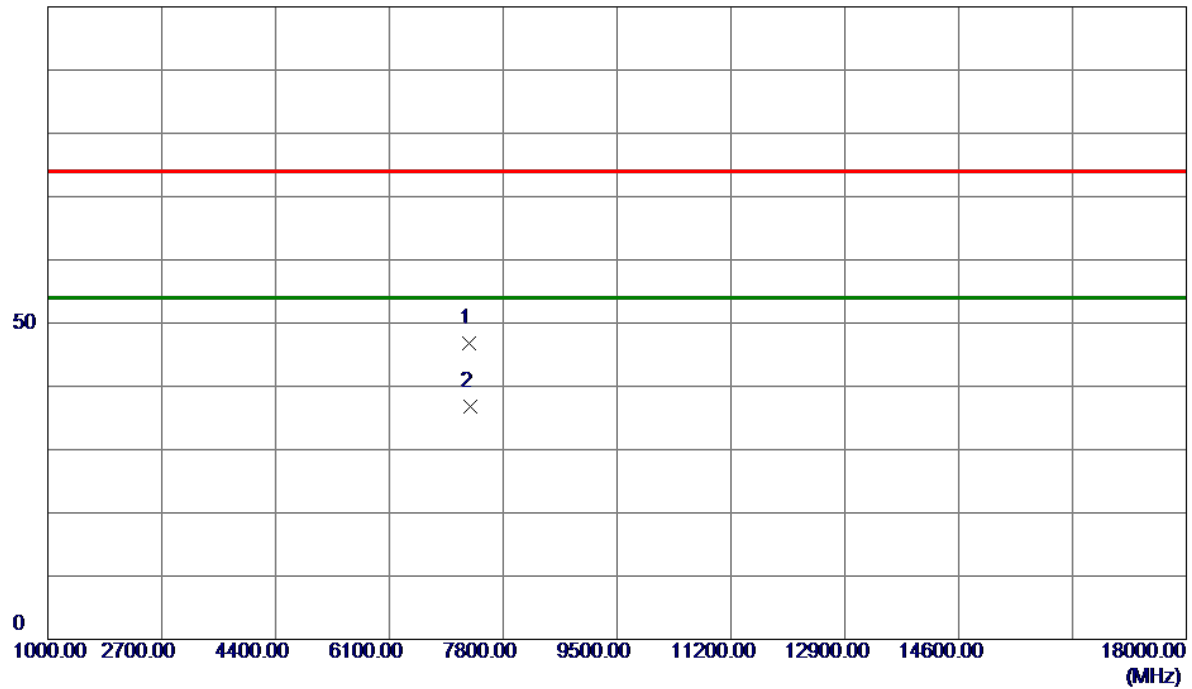
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2387.3000	54.46	7.69	62.15	74.00	-11.85	Peak	
2	2387.3000	45.47	7.69	53.16	54.00	-0.84	AVG	
3	2390.0000	53.87	7.70	61.57	74.00	-12.43	Peak	
4	2390.0000	39.93	7.70	47.63	54.00	-6.37	AVG	
5	2425.2000	107.06	7.74	114.80	74.00	40.80	Peak	No Limit
6 *	2425.9000	97.96	7.74	105.70	54.00	51.70	AVG	No Limit

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2427 MHz	Polarization	Vertical
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100 dBuV/m



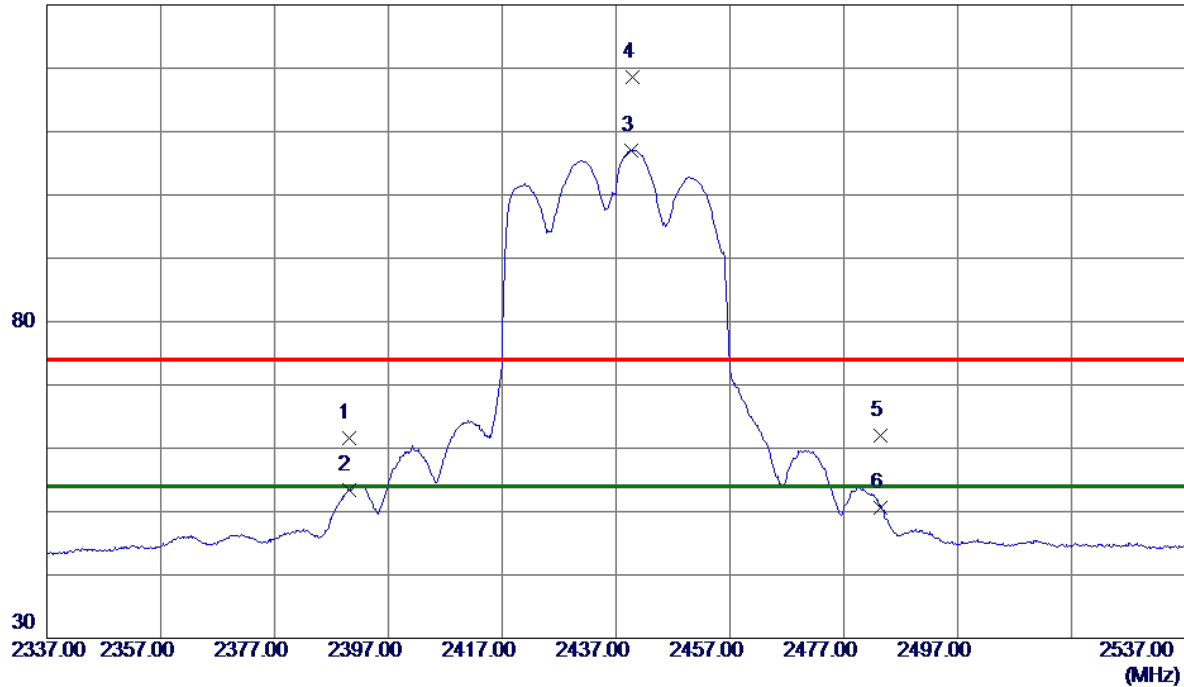
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	7299.0000	38.45	8.30	46.75	74.00	-27.25	Peak	
2 *	7299.7000	28.56	8.30	36.86	54.00	-17.14	AVG	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Vertical
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130 dBuV/m



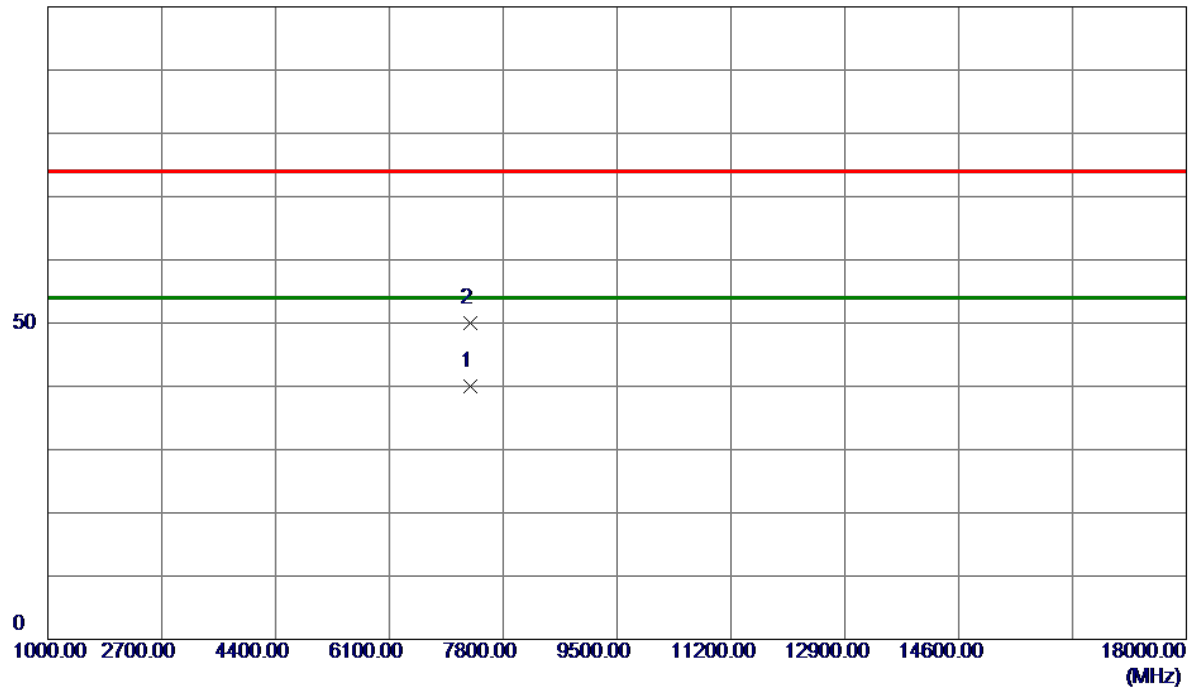
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	53.98	7.70	61.68	74.00	-12.32	Peak	
2	2390.0000	45.75	7.70	53.45	54.00	-0.55	AVG	
3 *	2439.7000	99.34	7.76	107.10	54.00	53.10	AVG	No Limit
4	2439.8000	110.90	7.76	118.66	74.00	44.66	Peak	No Limit
5	2483.5000	54.16	7.81	61.97	74.00	-12.03	Peak	
6	2483.5000	42.84	7.81	50.65	54.00	-3.35	AVG	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2437 MHz	Polarization	Vertical
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100 dBuV/m



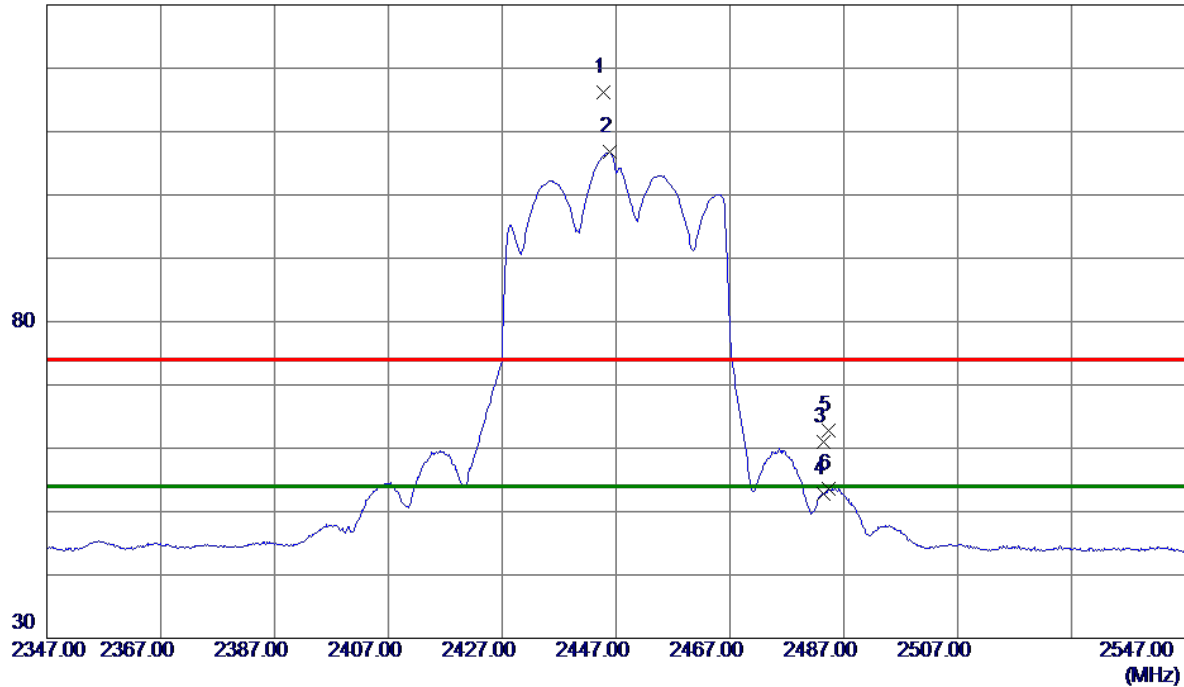
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7314.1000	31.62	8.31	39.93	54.00	-14.07	AVG	
2	7314.5000	41.62	8.31	49.93	74.00	-24.07	Peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2447 MHz	Polarization	Vertical
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130 dBuV/m



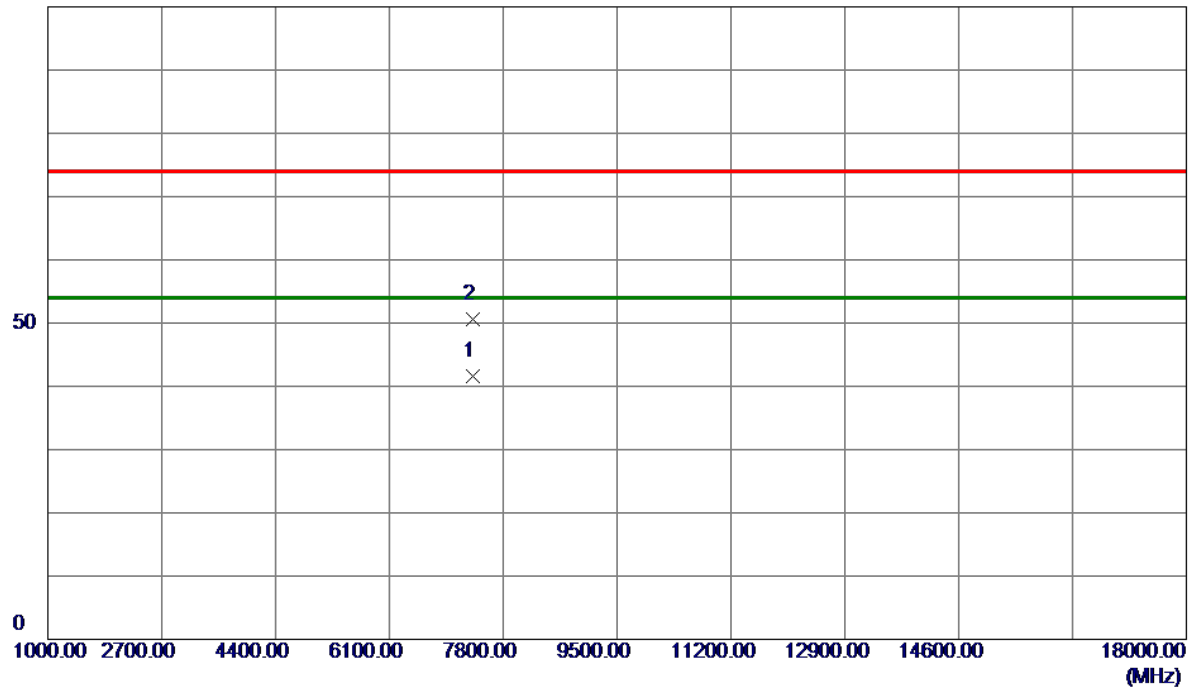
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2444.8000	108.38	7.76	116.14	74.00	42.14	Peak	No Limit
2 *	2445.8000	99.04	7.76	106.80	54.00	52.80	AVG	No Limit
3	2483.5000	53.27	7.81	61.08	74.00	-12.92	Peak	
4	2483.5000	45.01	7.81	52.82	54.00	-1.18	AVG	
5	2484.3000	55.02	7.81	62.83	74.00	-11.17	Peak	
6	2484.3000	45.88	7.81	53.69	54.00	-0.31	AVG	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2447 MHz	Polarization	Vertical
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100 dBuV/m



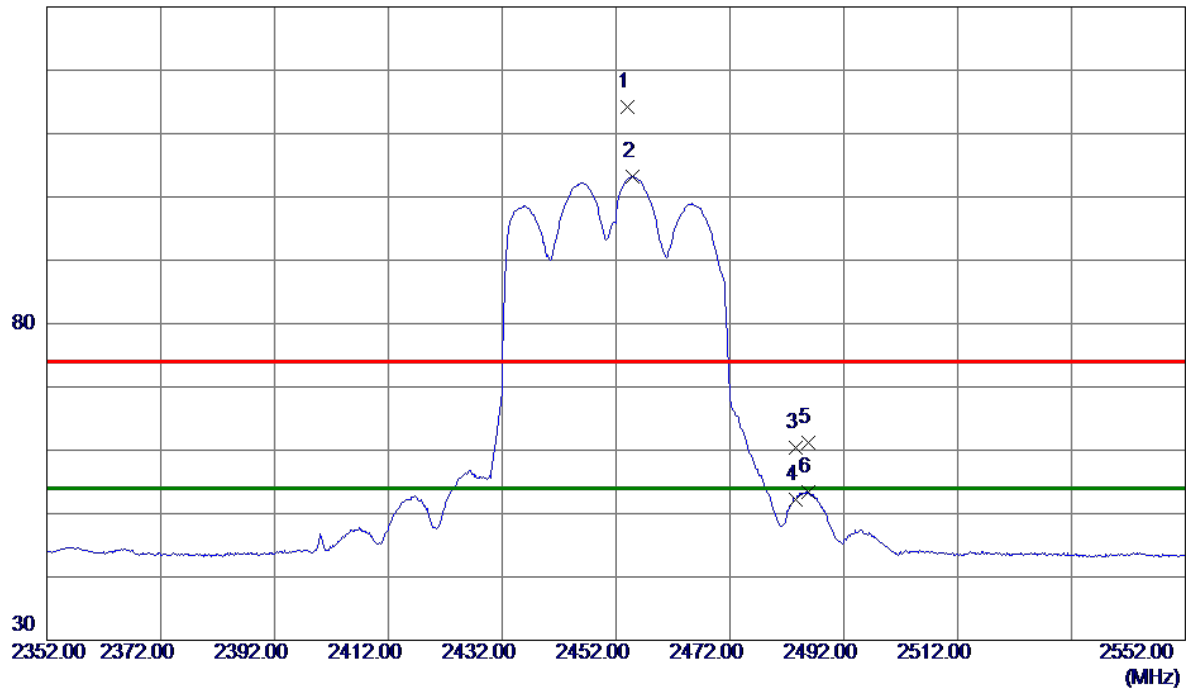
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7344.7000	33.24	8.31	41.55	54.00	-12.45	AVG	
2	7353.8000	42.21	8.31	50.52	74.00	-23.48	Peak	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Vertical
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130 dBuV/m



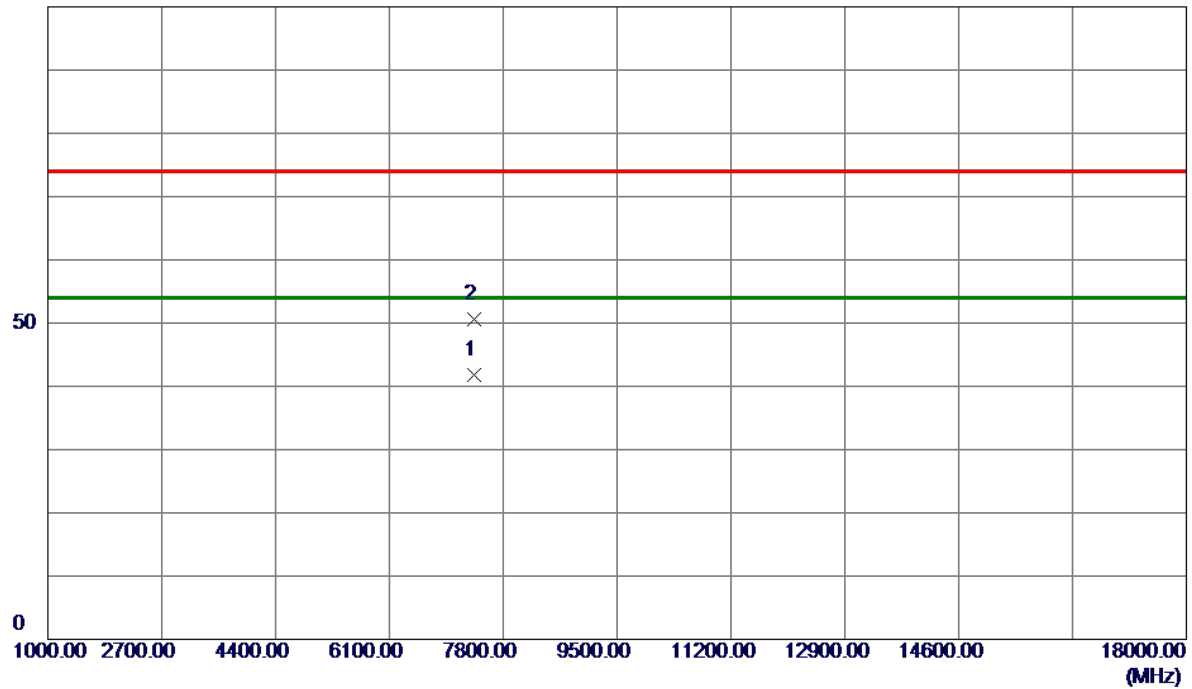
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2454.0000	106.36	7.77	114.13	74.00	40.13	Peak	No Limit
2 *	2454.8000	95.41	7.78	103.19	54.00	49.19	AVG	No Limit
3	2483.5000	52.65	7.81	60.46	74.00	-13.54	Peak	
4	2483.5000	44.35	7.81	52.16	54.00	-1.84	AVG	
5	2485.7000	53.44	7.81	61.25	74.00	-12.75	Peak	
6	2485.7000	45.55	7.81	53.36	54.00	-0.64	AVG	

REMARKS:

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

Test Mode	TX AX(HE40) Mode 2452 MHz	Polarization	Vertical
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100 dBuV/m

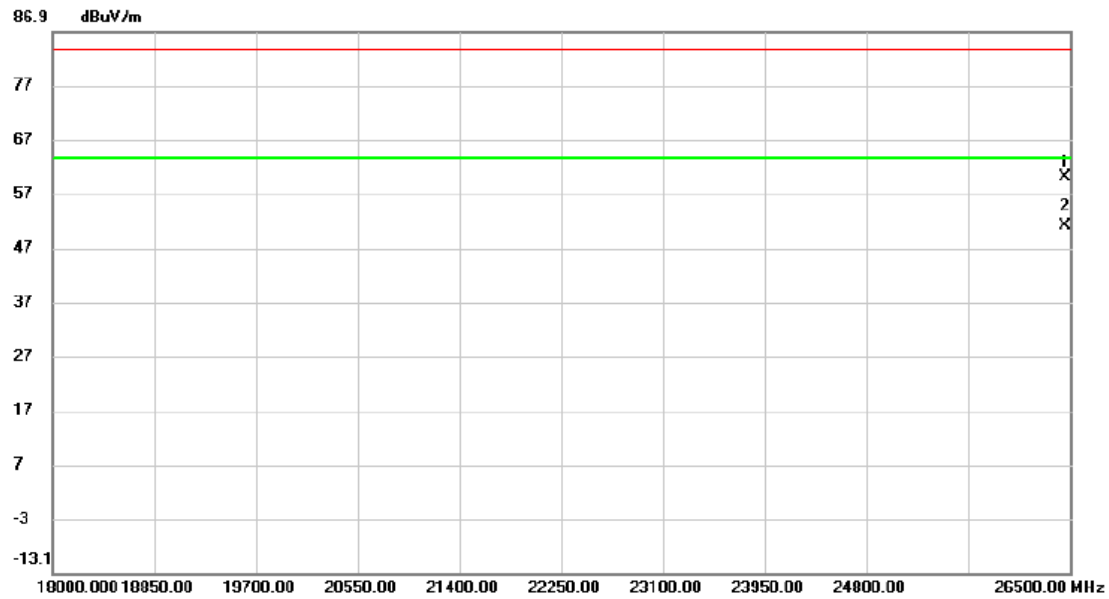


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	7359.3000	33.53	8.31	41.84	54.00	-12.16	AVG	
2	7359.6000	42.37	8.31	50.68	74.00	-23.32	Peak	

REMARKS:

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

Test Mode	TX B Mode Channel 06	Polarization	Vertical
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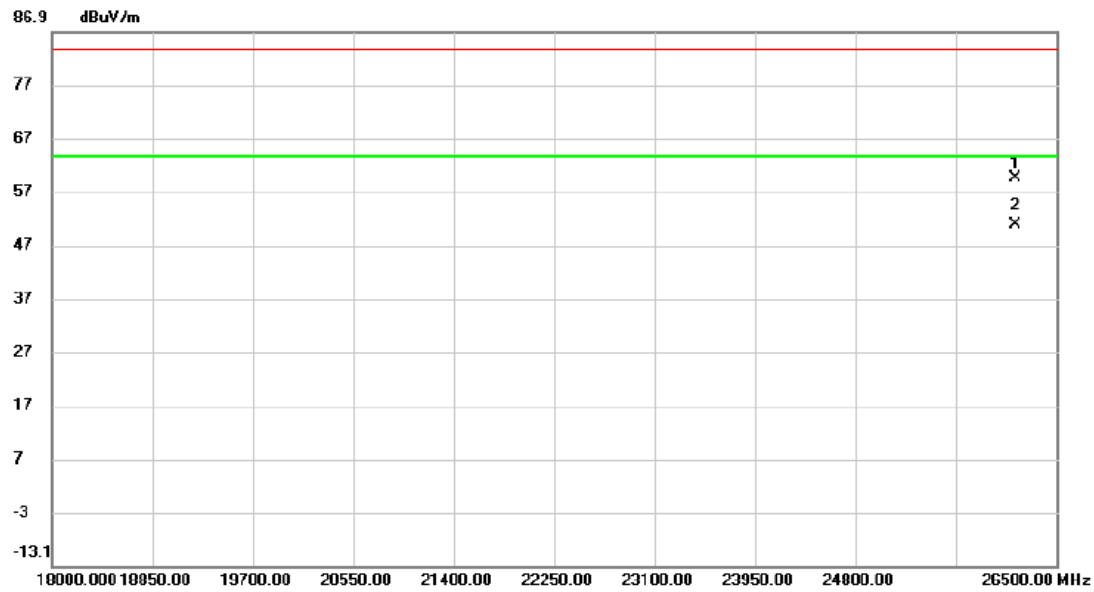


No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		26461.750	47.80	12.27	60.07	83.50	-23.43	peak	
2	*	26461.750	38.79	12.27	51.06	63.50	-12.44	AVG	

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.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		26155.750	47.36	12.28	59.64	83.50	-23.86	peak	
2	*	26155.750	38.40	12.28	50.68	63.50	-12.82	AVG	

REMARKS:

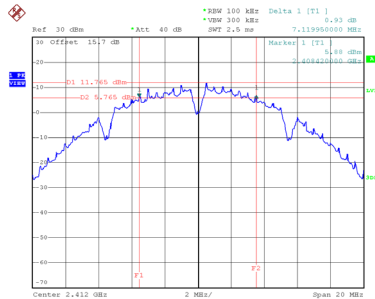
- (1) Measurement Value = Reading Level + Correct Factor.
- (2) Margin Level = Measurement Value - Limit Value.

APPENDIXE - BANDWIDTH

Test Mode	TX B Mode
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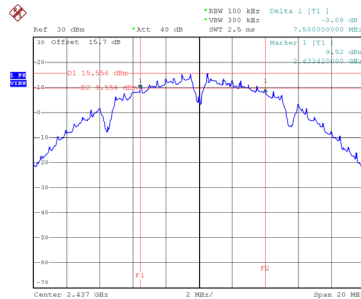
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Result
01	2412	7.120	12.960	0.5	Complies
06	2437	7.580	13.280	0.5	Complies
11	2462	7.119	13.040	0.5	Complies

CH01



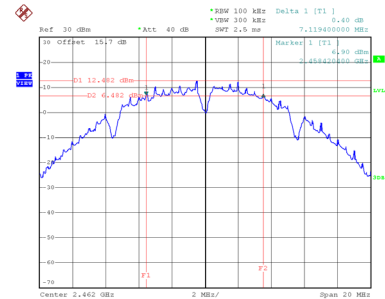
Date: 25.OCT.2024 11:29:52

CH06
6dB Bandwidth



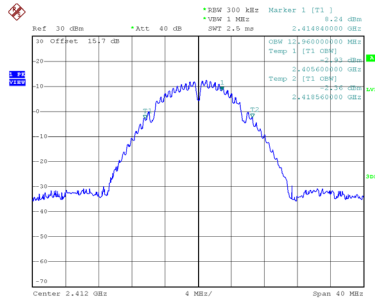
Date: 25.OCT.2024 11:33:07

CH11

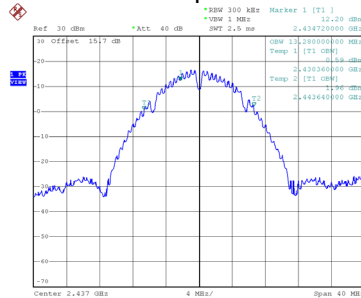


Date: 25.OCT.2024 11:34:52

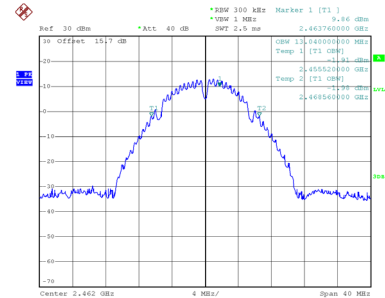
99 % Occupied Bandwidth



Date: 25.OCT.2024 11:30:00



Date: 25.OCT.2024 11:33:15

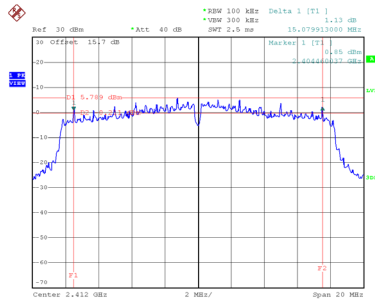


Date: 25.OCT.2024 11:35:00

Test Mode	TX G Mode
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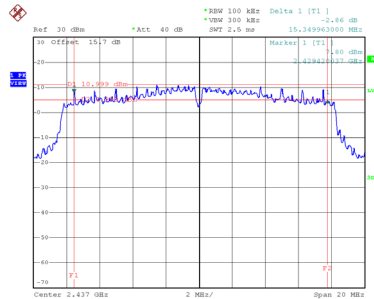
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Result
01	2412	15.080	16.240	0.5	Complies
06	2437	15.350	16.320	0.5	Complies
11	2462	15.000	16.240	0.5	Complies

CH01



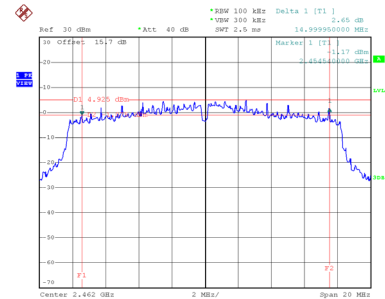
Date: 25.OCT.2024 11:36:07

CH06
6dB Bandwidth



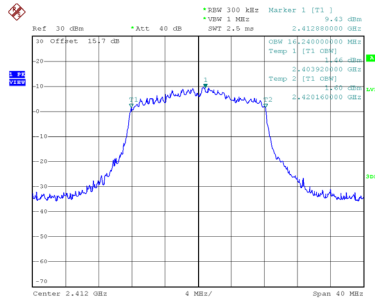
Date: 25.OCT.2024 11:38:20

CH11

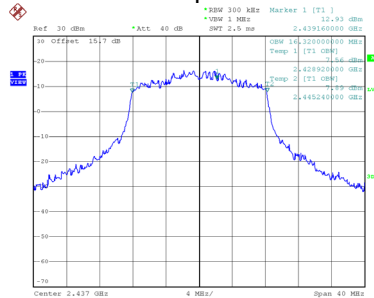


Date: 25.OCT.2024 11:39:09

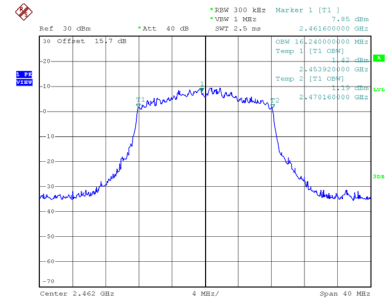
99 % Occupied Bandwidth



Date: 25.OCT.2024 11:36:16



Date: 25.OCT.2024 11:38:29

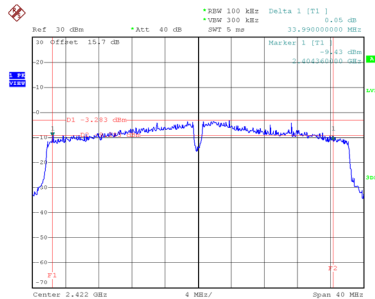


Date: 25.OCT.2024 11:39:18

Test Mode	TX N(HT40) Mode
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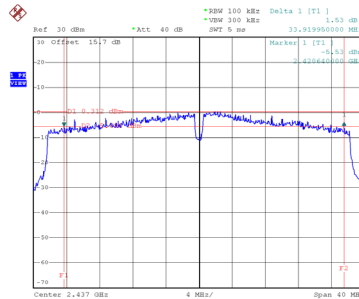
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Result
03	2422	33.990	35.840	0.5	Complies
06	2437	33.920	35.840	0.5	Complies
09	2452	35.120	35.680	0.5	Complies

CH03



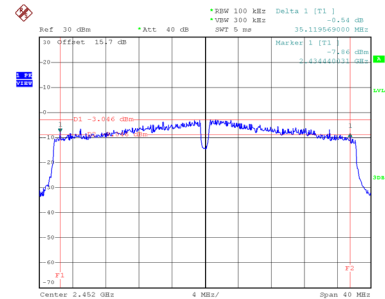
Date: 25.OCT.2024 11:45:131

CH06
6dB Bandwidth



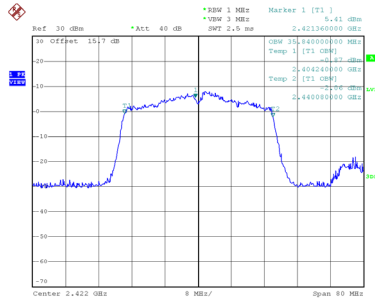
Date: 25.OCT.2024 11:46:147

CH09

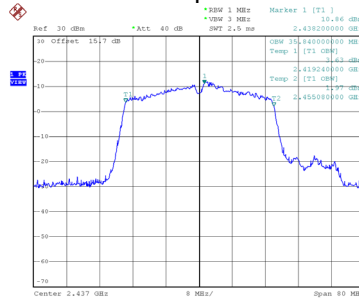


Date: 25.OCT.2024 11:47:145

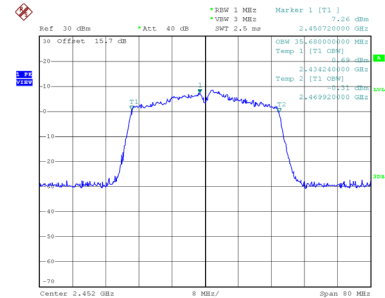
99 % Occupied Bandwidth



Date: 25.OCT.2024 11:45:139



Date: 25.OCT.2024 11:46:155

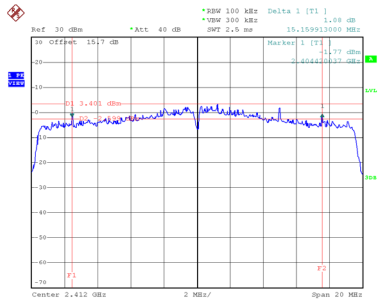


Date: 25.OCT.2024 11:47:153

Test Mode	TX AX(HE20) Mode
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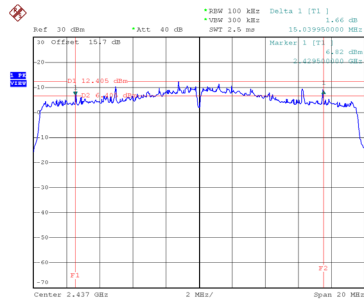
Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Result
01	2412	15.160	18.720	0.5	Complies
06	2437	15.040	18.800	0.5	Complies
11	2462	15.919	18.800	0.5	Complies

CH01



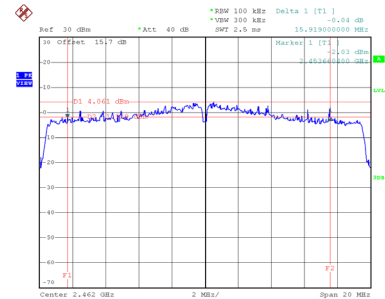
Date: 25.OCT.2024 11:50:10

CH06
6dB Bandwidth



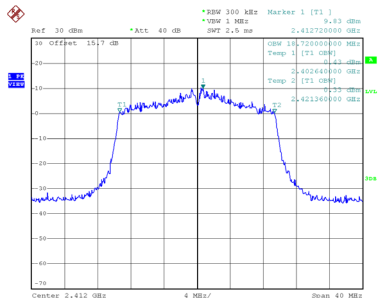
Date: 25.OCT.2024 11:55:24

CH11

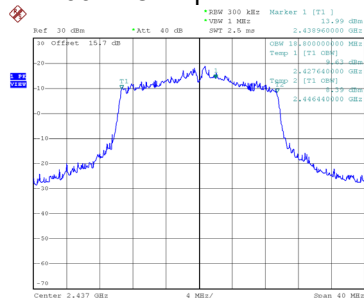


Date: 25.OCT.2024 11:56:34

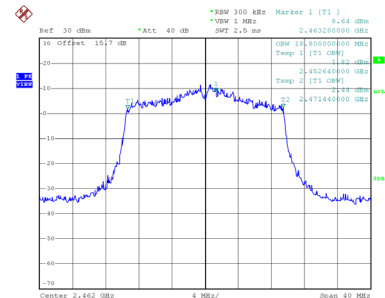
99 % Occupied Bandwidth



Date: 25.OCT.2024 11:50:19



Date: 25.OCT.2024 11:55:32

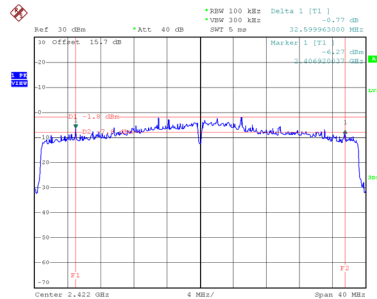


Date: 25.OCT.2024 11:56:42

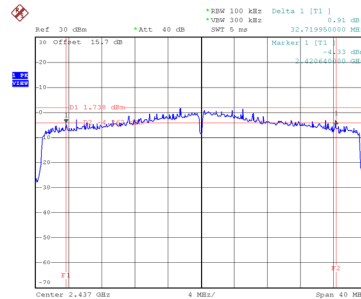
Test Mode	TX AX(HE40) Mode
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Channel	Frequency (MHz)	6dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6dB Bandwidth Min. Limit (MHz)	Result
03	2422	32.600	37.440	0.5	Complies
06	2437	32.720	37.280	0.5	Complies
09	2452	32.520	37.760	0.5	Complies

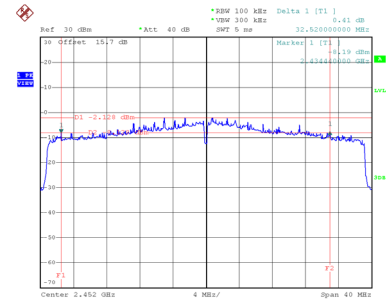
CH03



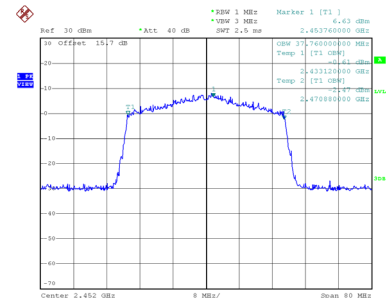
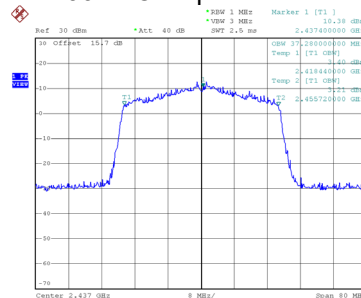
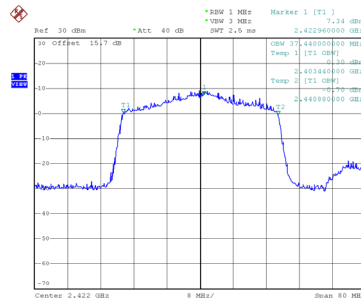
CH06
6dB Bandwidth



CH09



99 % Occupied Bandwidth



APPENDIX F - MAXIMUM OUTPUT POWER

Non Beamforming

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	19.02	2.47	21.49	30.00	1.0000	Complies
06	2437	22.99	2.47	25.46	30.00	1.0000	Complies
11	2462	19.70	2.47	22.17	30.00	1.0000	Complies

Test Mode	TX B Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor	Output Power + Duty Factor (dBm)	Max. Limit(dBm)	Max. Limit (W)	Result
01	2412	19.00	2.47	21.47	30.00	1.0000	Complies
06	2437	22.86	2.47	25.33	30.00	1.0000	Complies
11	2462	19.82	2.47	22.29	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	24.49	30.00	1.0000	Complies
06	2437	28.40	30.00	1.0000	Complies
11	2462	25.24	30.00	1.0000	Complies