FCC Radio Test Report

FCC ID: QISE5573CS-509

This report concerns (check one): ☒**Original Grant** ☐**Class I Change** ☐**Class II Change**

Project No.	:	1702C058
Equipment	:	Mobile WiFi
Model Name	:	E5573Cs-509
Applicant	:	Huawei Technologies Co., Ltd.
Address	:	Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

Date of Receipt	:	Feb. 14, 2017
Date of Test	:	Feb. 14, 2017 ~ Mar. 06, 2017
Issued Date	:	Mar. 06, 2017
Tested by	:	BTL Inc.

Testing Engineer : Shawn Xiao
(Shawn Xiao)

Technical Manager : David Mao
(David Mao)

Authorized Signatory : Steven Lu
(Steven Lu)

BTL INC.

No.3, Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
TEL: +86-769-8318-3000 FAX: +86-769-8319-6000

Declaration

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

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

BTL's report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

This report is the confidential property of the client. As a mutual protection to the clients, the public and **BTL-self**, extracts from the test report shall not be reproduced except in full with **BTL**'s authorized written approval.

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

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.

Table of Contents Page

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-4-1702C058	Original Issue.	Mar. 06, 2017

1. CERTIFICATION

Equipment	:	Mobile WiFi
Brand Name	:	HUAWEI
Model Name	:	E5573Cs-509
Applicant	:	Huawei Technologies Co., Ltd.
Manufacturer	:	Huawei Technologies Co., Ltd
Address	:	Administration Building, Huawei Base, Bantian, Longgang District , Shenzhen 518129, P.R.China
Factory	:	Huawei Technologies Co., Ltd
Address	:	Administration Building, Huawei Base, Bantian, Longgang District , Shenzhen 518129, P.R.China
Date of Test	:	Feb. 14, 2017 ~ Mar. 06, 2017
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

The above equipment has been tested and found compliance with the requirement of the relative standards by BTL Inc.
The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-4-1702C058) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).

Test results included in this report is only for the WLAN 2.4G parts.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C			
Standard(s) Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	6dB Bandwidth	PASS	
15.247(b)(3)	Peak Output Power	PASS	
15.247(e)	Power Spectral Density	PASS	
15.203	Antenna Requirement	PASS	
15.247(d)/ 15.205/ 15.209	Transmitter Radiated Emissions	PASS	

NOTE:

(1)" N/A" denotes test is not applicable in this test report.

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.
BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. The BTL measurement uncertainty is less than the CISPR 16-4-2 U_{cispr} requirement.

The reported uncertainty of measurement y ± U, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 %.

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)
DG-C02	CISPR	150 KHz ~ 30MHz	2.32

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U, (dB)
DG-CB03	CISPR	9KHz~30MHz	V	3.79
		9KHz~30MHz	H	3.57
		30MHz ~ 200MHz	V	3.82
		30MHz ~ 200MHz	H	3.78
		200MHz ~ 1,000MHz	V	4.10
		200MHz ~ 1,000MHz	H	4.06
		1GHz~18GHz	V	3.12
		1GHz~18GHz	H	3.68
		18GHz~40GHz	V	4.15
		18GHz~40GHz	H	4.14

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

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Mobile WiFi	
Brand Name	HUAWEI	
Model Name	E5573Cs-509	
Model Difference	N/A	
Product Description	Operation Frequency	2412~2457 MHz
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM
	Bit Rate of Transmitter	802.11b: 11/5.5/2/1 Mbps 802.11g: 54/48/36/24/18/12/9/6 Mbps 802.11n up to 300 Mbps
	Output Power (Max.)	802.11b: 16.51dBm 802.11g: 20.64dBm 802.11n(20MHz): 23.27dBm 802.11n(40MHz): 23.20dBm
Power Source	#1 Supplied from PC USB port or adapter. #2 Battery Supplied.	
Power Rating	#1 100-240V~ 50/60Hz #2 ⎓4.0V（3.8V-4.2V）	
Hardware Version	CL2E5573CSM01	
Softwarre Version	21.323.00.00.00	

Note:

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

2. Channel List:

CH01 – CH10 for 802.11b, 802.11g, 802.11n(20MHz) CH03 – CH08 for 802.11n(40MHz)							
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		
03	2422	06	2437	09	2452		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	1.18
2	N/A	N/A	Internal	N/A	1.56

Note: The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R).

4. The EUT contains following accessory devices.

Item	Mfr/Brand	Model.
Battery	Sunwoda Electronic Co., LTD	HB434666RBC
	SCUD (FUJIAN) Electronics Co., Ltd	HB434666RBC
USB Cable	CONNREX(SHEN ZHEN)INDUSTRIAL.,LTD.	CD-U0405-831
	HONGLIN TECHNOLOGY CO.,LTD	02451044
Adapter	DONGGUAN PHITEK ELECTRONICS CO.,LTD.	HW-050100E01(EU) HW-050100U01(US) HW-050100B01(UK) HW-050100A01(AU)
	SHENZHEN HUNTKEY ELECTRONIC CO.,LTD.	
	HUIZHOU BYD ELECTRONIC CO., LTD.	

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Pretest Mode	Description
Mode 1	TX B MODE CHANNEL 01/05/10
Mode 2	TX G MODE CHANNEL 01/05/10
Mode 3	TX N-20MHZ MODE CHANNEL 01/05/10
Mode 4	TX N-40MHZ MODE CHANNEL 03/05/08
Mode 5	TX MODE

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Test	
Final Test Mode	Description
Mode 5	TX MODE

For Radiated Test	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/05/10
Mode 2	TX G MODE CHANNEL 01/05/10
Mode 3	TX N-20MHZ MODE CHANNEL 01/05/10
Mode 4	TX N-40MHZ MODE CHANNEL 03/05/08

For Band Edge Test	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/05/10
Mode 2	TX G MODE CHANNEL 01/05/10
Mode 3	TX N-20MHZ MODE CHANNEL 01/05/10
Mode 4	TX N-40MHZ MODE CHANNEL 03/05/08

6dB Spectrum Bandwidth	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/05/10
Mode 2	TX G MODE CHANNEL 01/05/10
Mode 3	TX N-20MHZ MODE CHANNEL 01/05/10
Mode 4	TX N-40MHZ MODE CHANNEL 03/05/08

Maximum Conducted Output Power	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/05/10
Mode 2	TX G MODE CHANNEL 01/05/10
Mode 3	TX N-20MHZ MODE CHANNEL 01/05/10
Mode 4	TX N-40MHZ MODE CHANNEL 03/05/08

Power Spectral Density	
Final Test Mode	Description
Mode 1	TX B MODE CHANNEL 01/05/10
Mode 2	TX G MODE CHANNEL 01/05/10
Mode 3	TX N-20MHZ MODE CHANNEL 01/05/10
Mode 4	TX N-40MHZ MODE CHANNEL 03/05/08

Note:

(1) The measurements are performed at the high, middle, low available channels.

(2) 802.11b mode: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (6.5Mbps)
802.11n HT40 mode : BPSK (13.5Mbps)
For radiated emission tests, the highest output powers were set for final test.

(3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.

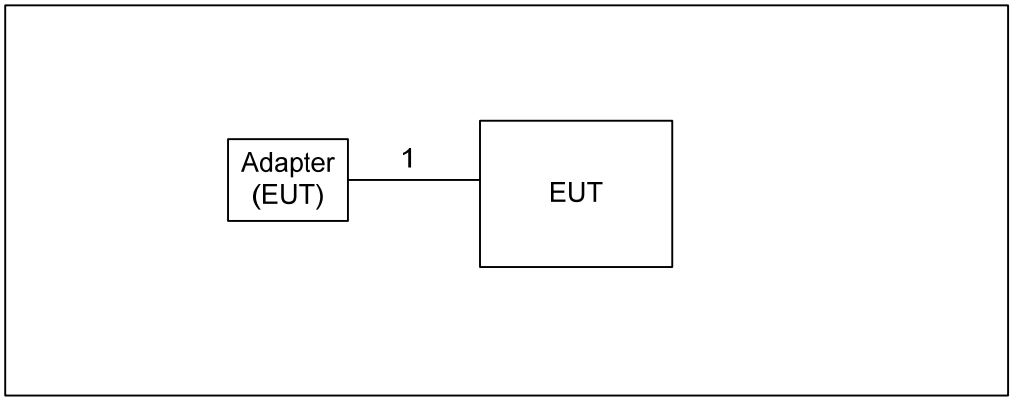
(4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of WLAN

Test software version	sscom32		
Frequency (MHz)	2412	2437	2462
802.11b	1300	1300	1300
802.11g	1200	1100	1200
802.11n (20MHz)	1100	1100	1100
Frequency	2422	2437	2452
802.11n (40MHz)	1100	1100	1100

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model/Type No.	FCC ID	Series No.
-	-	-	-	-	-

Item	Shielded Type	Ferrite Core	Length	Note
1	YES	NO	1m	USB Cable

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 -0.50	66 to 56*	56 to 46*
0.50 -5.0	56	46
5.0 -30.0	60	50

Note:

(1) The limit of " * " decreases with the logarithm of the frequency

(2) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use)
Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

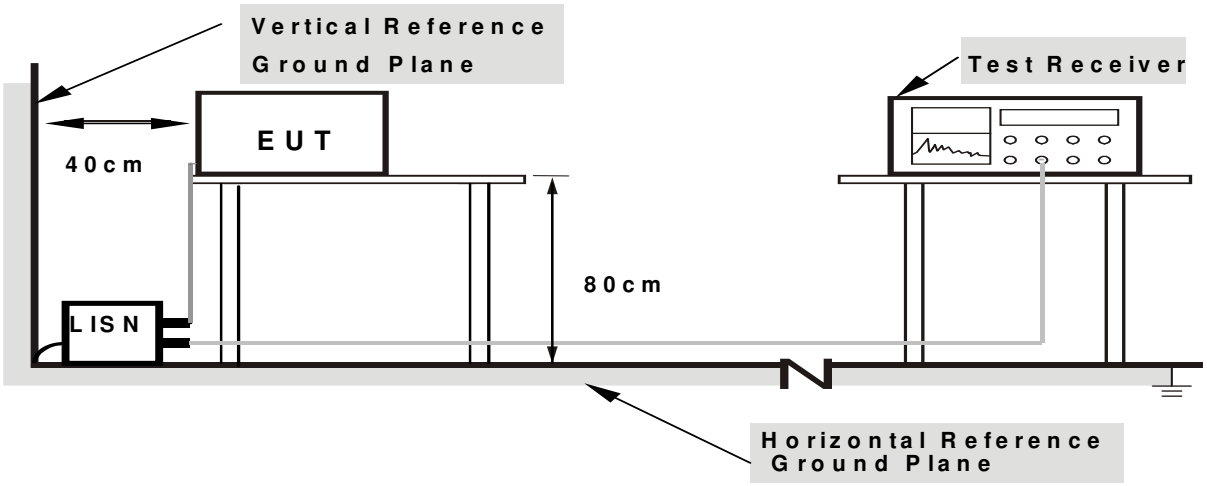
4.1.2 TEST PROCEDURE

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 equipments 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.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.5 EUT OPERATING CONDITIONS

The EUT was placed on the test table and programmed in normal function.

4.1.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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 (9KHz-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
960~1000	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	Band edge at 3m (dBμV/m)		Harmonic at 1.5m (dBμV/m)	
	Peak	Average	Peak	Average
Above 1000	74	54	80 (Note 5)	60(Note 5)

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

(4) The test result calculated as following:
Measurement Value = Reading Level + Correct Factor
Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use)
Margin Level = Measurement Value - Limit Value

(5)

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

20log d limit/d measure=20log 3/1.5=6dB.

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak, 1MHz / 1/T for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9KHz~90KHz for PK/AVG detector
Start ~ Stop Frequency	90KHz~110KHz for QP detector
Start ~ Stop Frequency	110KHz~490KHz for PK/AVG detector
Start ~ Stop Frequency	490KHz~30MHz for QP detector
Start ~ Stop Frequency	30MHz~1000MHz for QP detector

4.2.2 TEST PROCEDURE

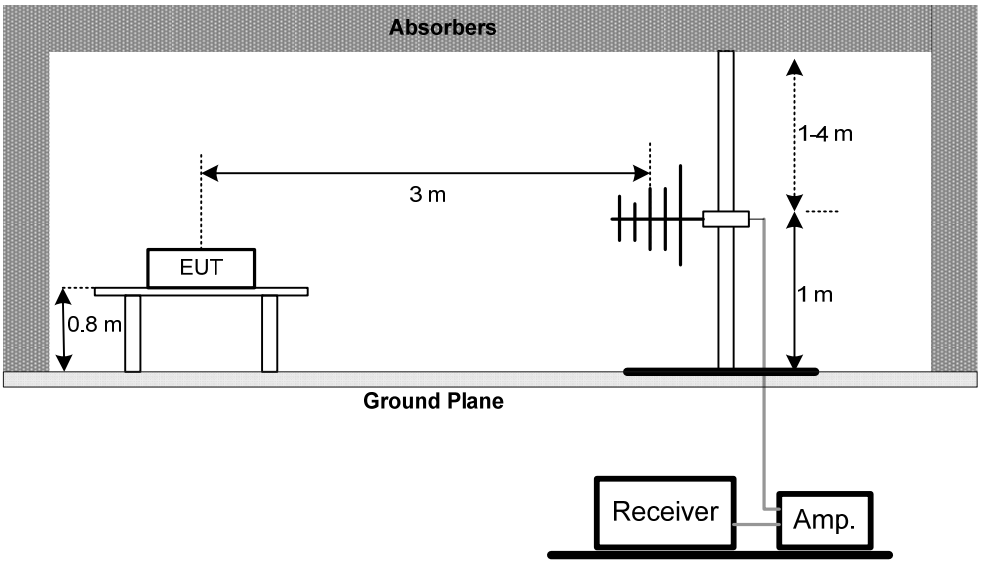
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m or 1.5m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn‘t perform. (below 1GHz)
h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn‘t perform. (above 1GHz)
i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

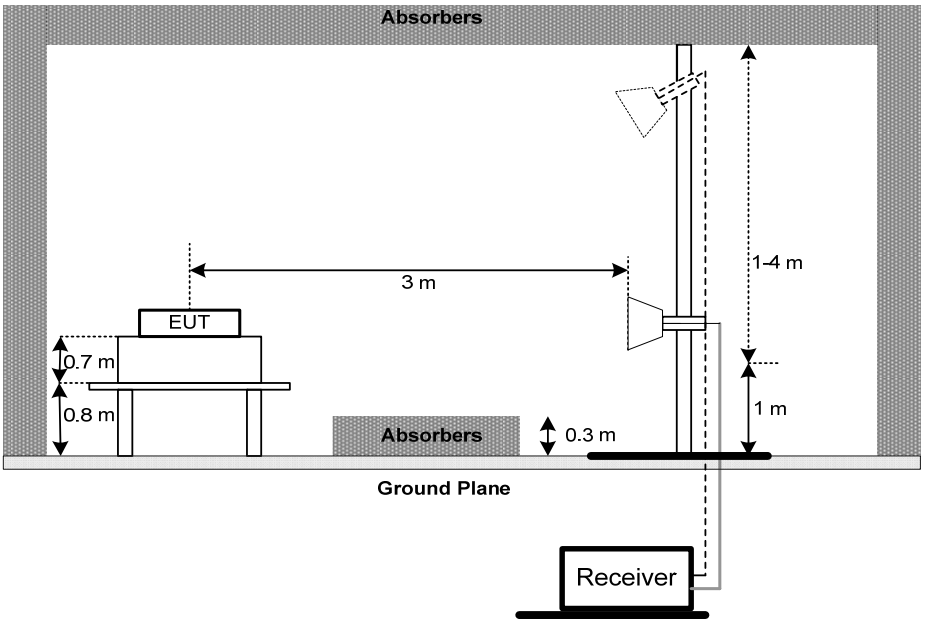
4.2.4 TEST SETUP

(A) Radiated Emission Test Set-Up Frequency Below 1 GHz

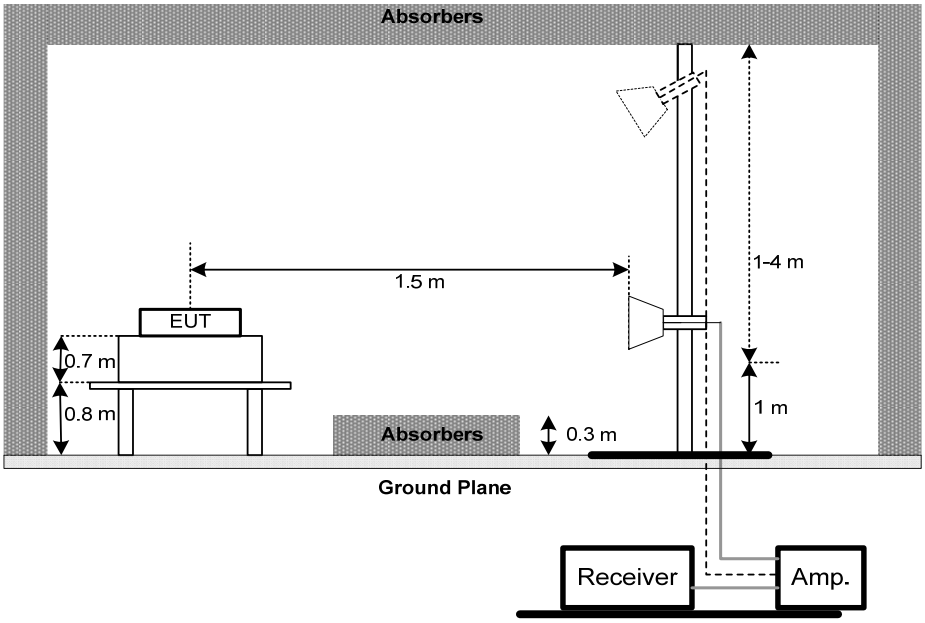


(B) Radiated Emission Test Set-Up Frequency Above 1 GHz

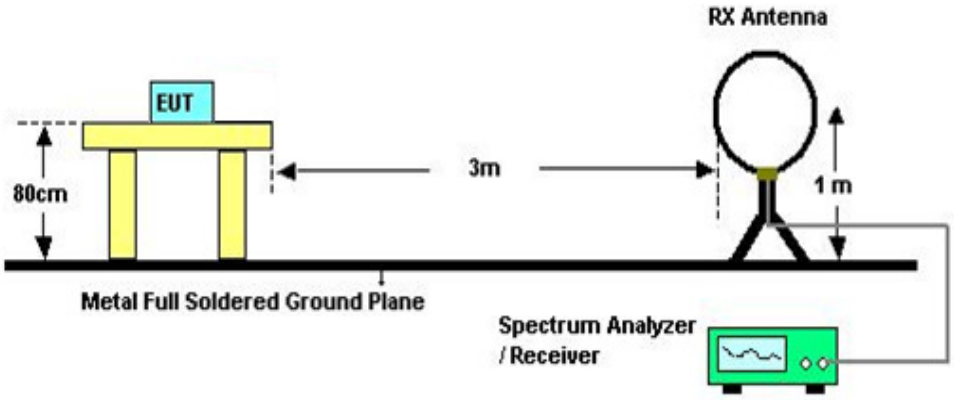
Band edge



Harmonic



(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

(1) The amplitude of spurious emissions which are attenuated by more than 20 dB below the permissible value has no need to be reported.
(2) Distance extrapolation factor = 40 log (specific distance / test distance) (dB).
(3) Limit line = specific limits (dBuV) + distance extrapolation factor.

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment 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 TEST

5.1 APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(2)	Bandwidth	2400-2483.5	PASS

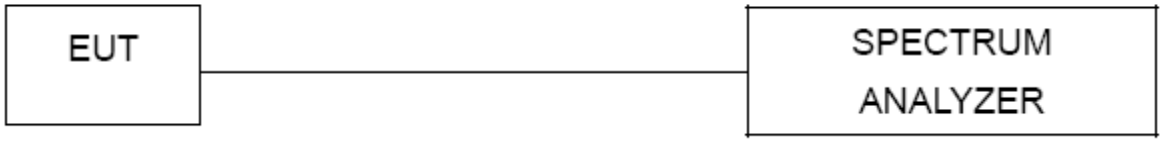
5.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST

6.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3)	Maximum Output Power	1 Watt or 30dBm	2400-2483.5	PASS

6.1.1 TEST PROCEDURE

a. The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
b. The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 APPLIED PROCEDURES / LIMIT

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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 that the transmitter demonstrates compliance with the peak conducted power limits.

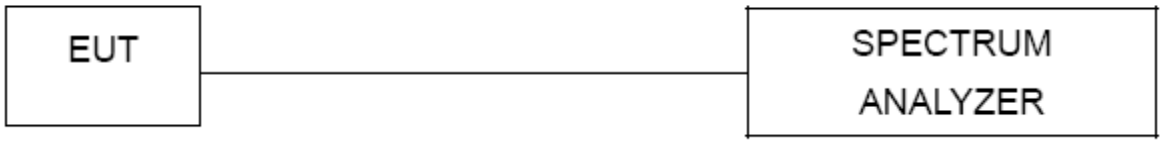
7.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = Auto.
c. Offset=antenna gain+cable loss

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

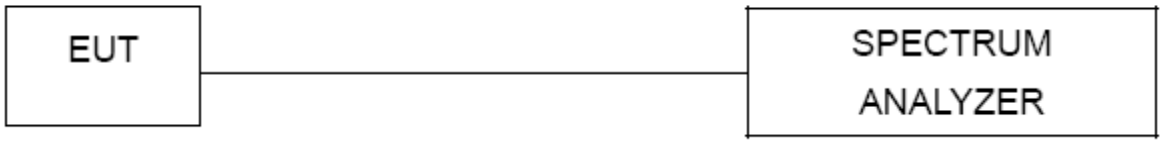
8.1.1 TEST PROCEDURE

a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
b. Spectrum Setting: RBW=3KHz, VBW=10KHz, Sweep time = Auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

Temperature: 25°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
2	LISN	EMCO	3816/2	52765	Mar. 27, 2017
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 27, 2017
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 27, 2017
5	Cable	emci	RG223(9KHz-30 MHz)(5m)	N/A	Mar. 10, 2017
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
3	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
4	Cable	emci	LMR-400(30MH z-1GHz)(8m+5m)	N/A	Jun. 27, 2017
5	Controller	CT	SC100	N/A	N/A
6	Controller	MF	MF-7802	MF780208416	N/A
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A
8	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
9	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017
10	Antenna	EM	EM-6876-1	230	Jul. 08, 2017
11	Controller	MF	MF-7802	MF780208416	N/A
12	Cable	emci	EMC104-SM-S M-12000(12m)	N/A	Jul. 06, 2017

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Apr. 26, 2017
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Apr. 26, 2017

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

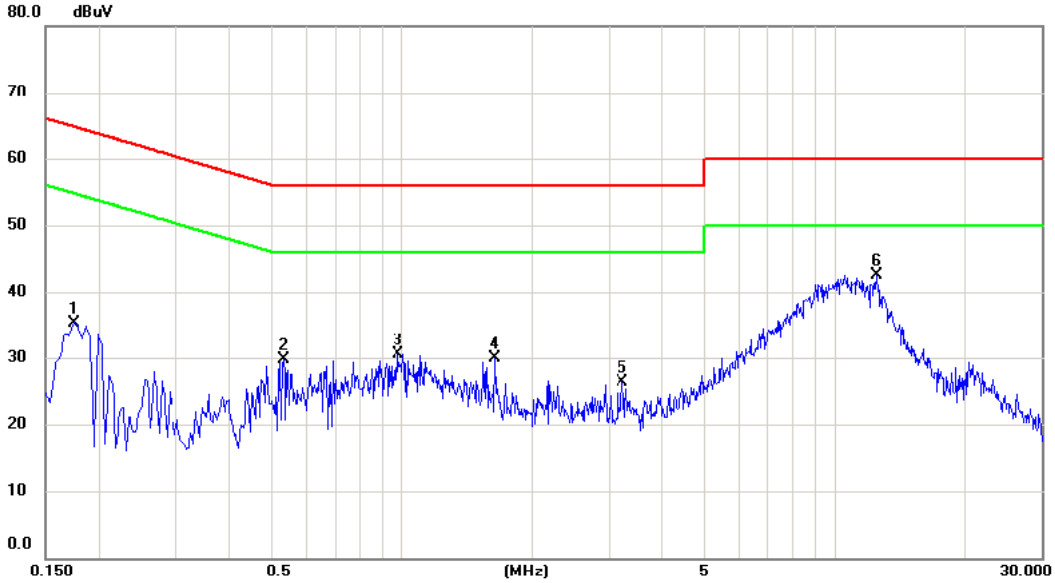
Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP40	100185	Sep. 04, 2017

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

ATTACHMENT A - CONDUCTED EMISSION

Test Mode :	TX Mode_ Adapter: PHITEK

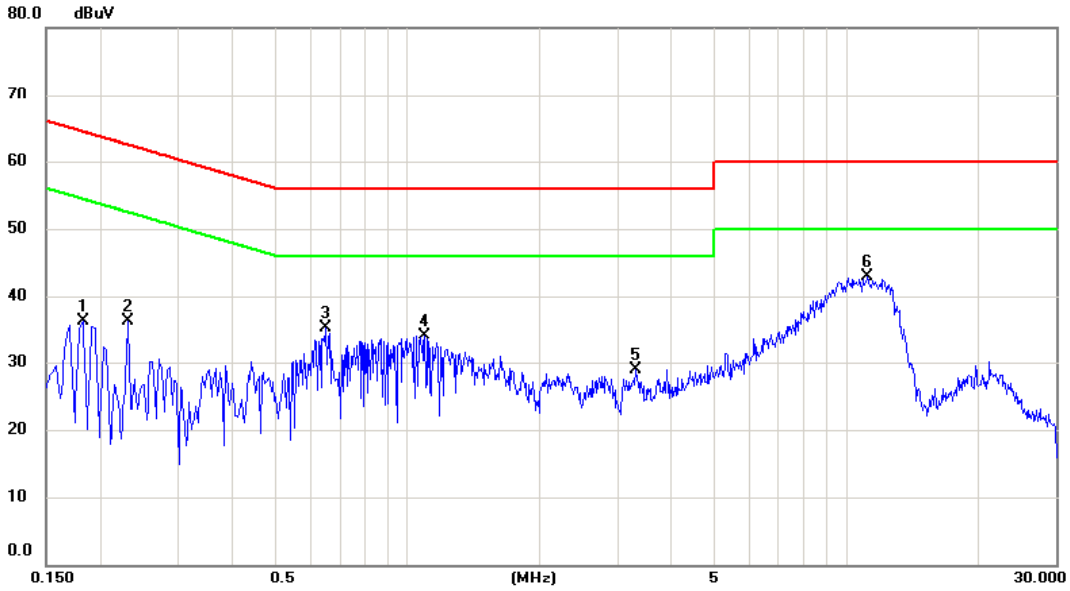
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1740	25.83	9.57	35.40	64.77	-29.37	peak	
2		0.5340	20.02	9.69	29.71	56.00	-26.29	peak	
3		0.9780	20.62	9.84	30.46	56.00	-25.54	peak	
4		1.6380	19.99	9.98	29.97	56.00	-26.03	peak	
5		3.2300	16.01	10.29	26.30	56.00	-29.70	peak	
6	*	12.5660	31.95	10.60	42.55	60.00	-17.45	peak	

Test Mode :	TX Mode_ Adapter: PHITEK

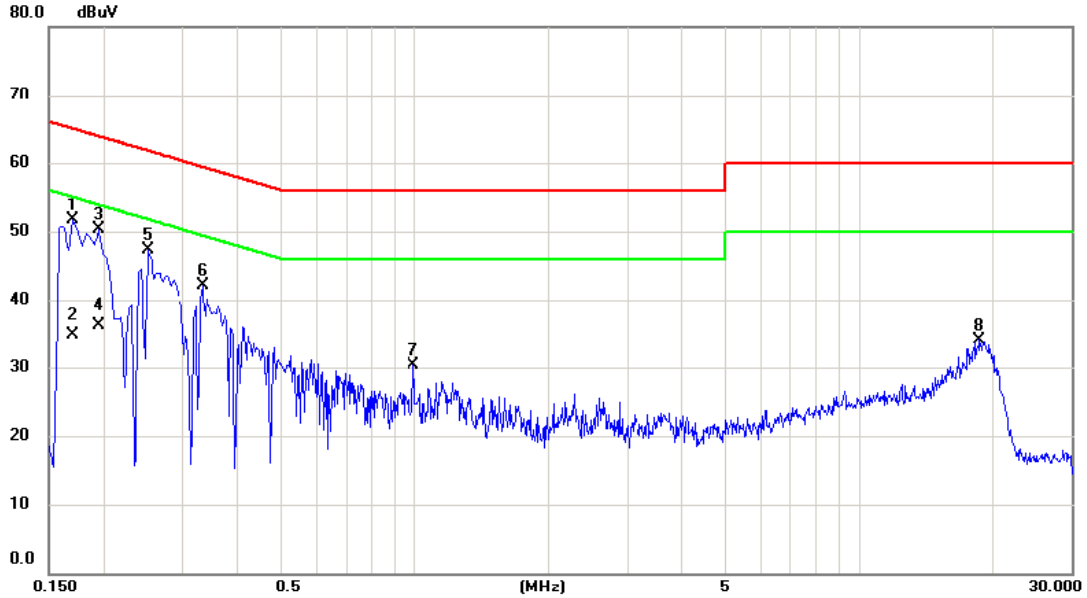
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1820	26.77	9.51	36.28	64.39	-28.11	peak	
2		0.2300	26.70	9.57	36.27	62.45	-26.18	peak	
3		0.6500	25.73	9.50	35.23	56.00	-20.77	peak	
4		1.0980	24.45	9.75	34.20	56.00	-21.80	peak	
5		3.3260	18.98	10.00	28.98	56.00	-27.02	peak	
6	*	11.2020	32.20	10.62	42.82	60.00	-17.18	peak	

Test Mode :	TX Mode _ Adapter: HUNTKEY

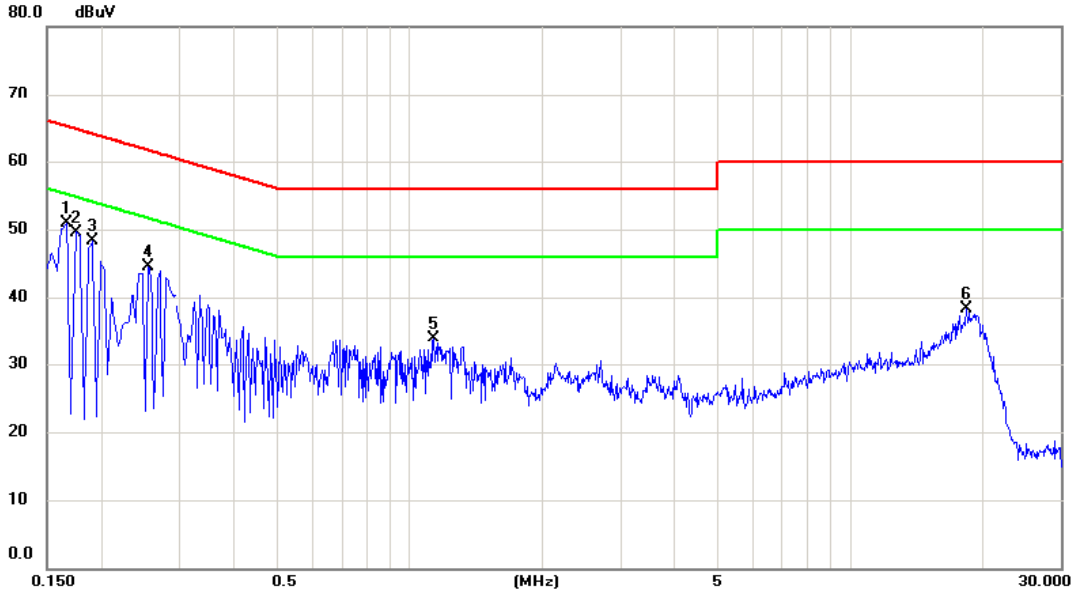
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1700	42.19	9.57	51.76	64.96	-13.20	peak	
2		0.1700	25.33	9.57	34.90	54.96	-20.06	AVG	
3		0.1940	40.66	9.57	50.23	63.86	-13.63	peak	
4		0.1940	26.74	9.57	36.31	53.86	-17.55	AVG	
5		0.2500	37.66	9.57	47.23	61.76	-14.53	peak	
6		0.3340	32.52	9.58	42.10	59.35	-17.25	peak	
7		0.9940	20.43	9.84	30.27	56.00	-25.73	peak	
8		18.6500	23.43	10.77	34.20	60.00	-25.80	peak	

Test Mode :	TX Mode _ Adapter: HUNTKEY

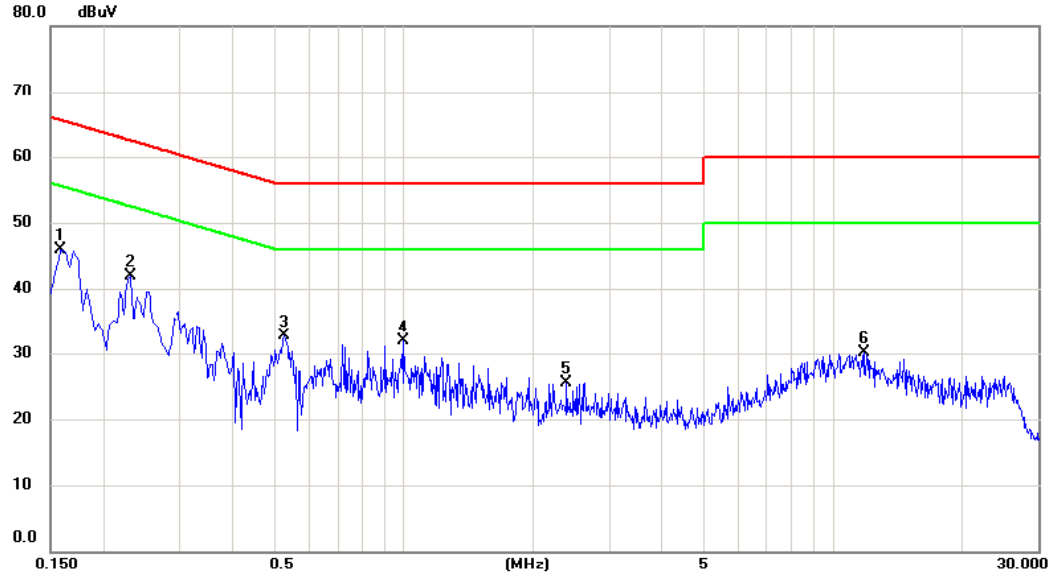
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1660	41.42	9.49	50.91	65.16	-14.25	peak	
2		0.1750	40.09	9.49	49.58	64.72	-15.14	peak	
3		0.1900	38.70	9.54	48.24	64.04	-15.80	peak	
4		0.2540	34.99	9.57	44.56	61.63	-17.07	peak	
5		1.1380	24.21	9.75	33.96	56.00	-22.04	peak	
6		18.4020	27.41	10.84	38.25	60.00	-21.75	peak	

Test Mode :	TX Mode_ Adapter: BYD

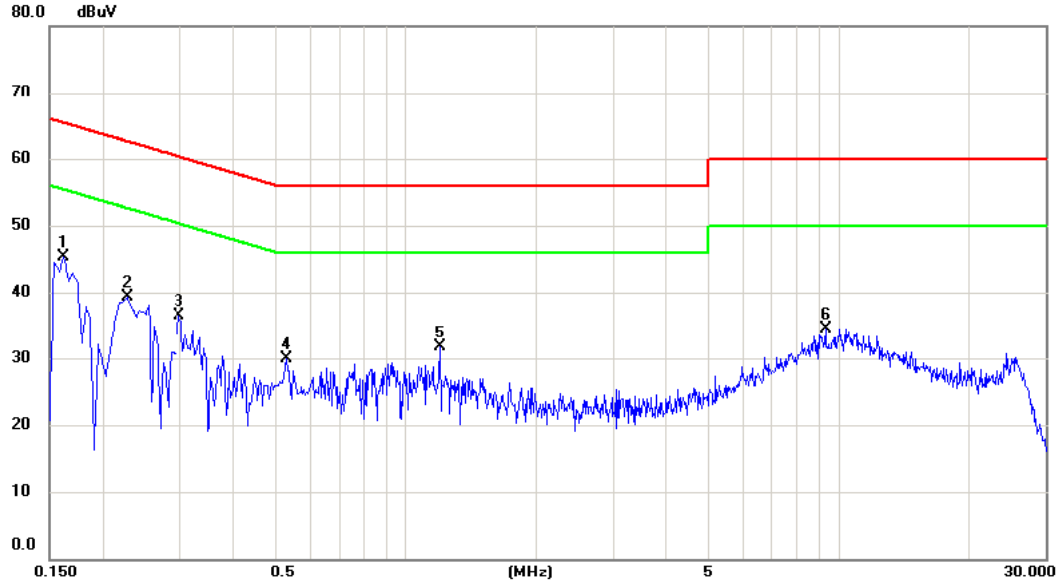
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1580	36.28	9.57	45.85	65.57	-19.72	peak	
2		0.2300	32.28	9.57	41.85	62.45	-20.60	peak	
3		0.5260	22.93	9.69	32.62	56.00	-23.38	peak	
4		1.0020	22.03	9.84	31.87	56.00	-24.13	peak	
5		2.3900	15.33	10.19	25.52	56.00	-30.48	peak	
6		11.8180	19.45	10.57	30.02	60.00	-29.98	peak	

Test Mode :	TX Mode_ Adapter: BYD

Neutral

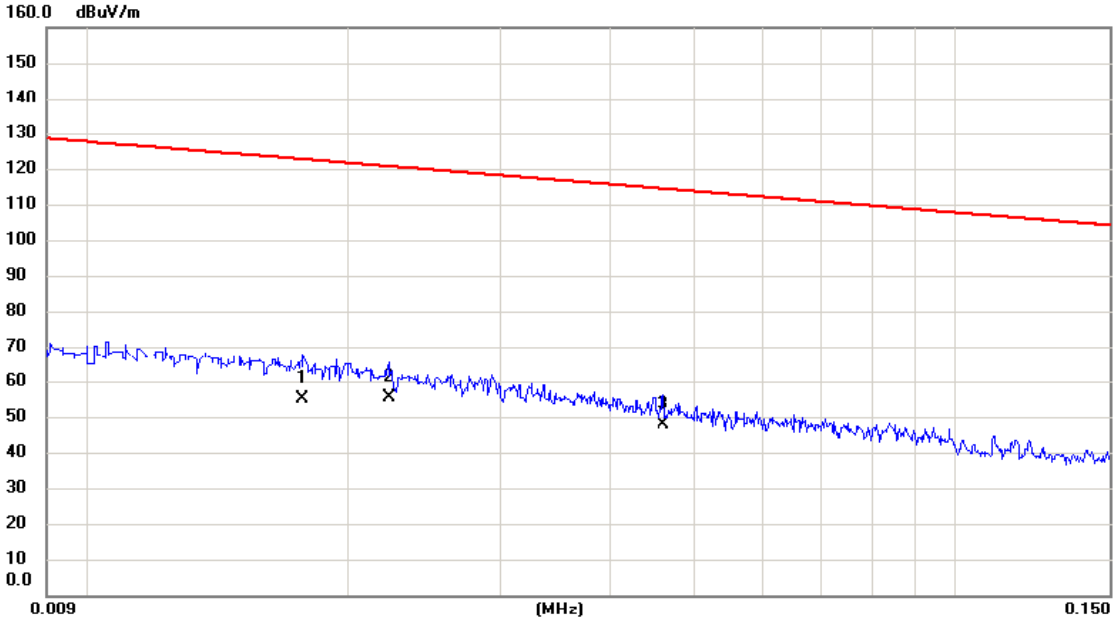


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1620	35.81	9.51	45.32	65.36	-20.04	peak	
2		0.2260	29.65	9.57	39.22	62.60	-23.38	peak	
3		0.2980	26.86	9.58	36.44	60.30	-23.86	peak	
4		0.5300	20.45	9.49	29.94	56.00	-26.06	peak	
5		1.2020	22.03	9.75	31.78	56.00	-24.22	peak	
6		9.2980	24.02	10.50	34.52	60.00	-25.48	peak	

ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)

Test Mode:	TX Mode (Adapter: PHITEK)

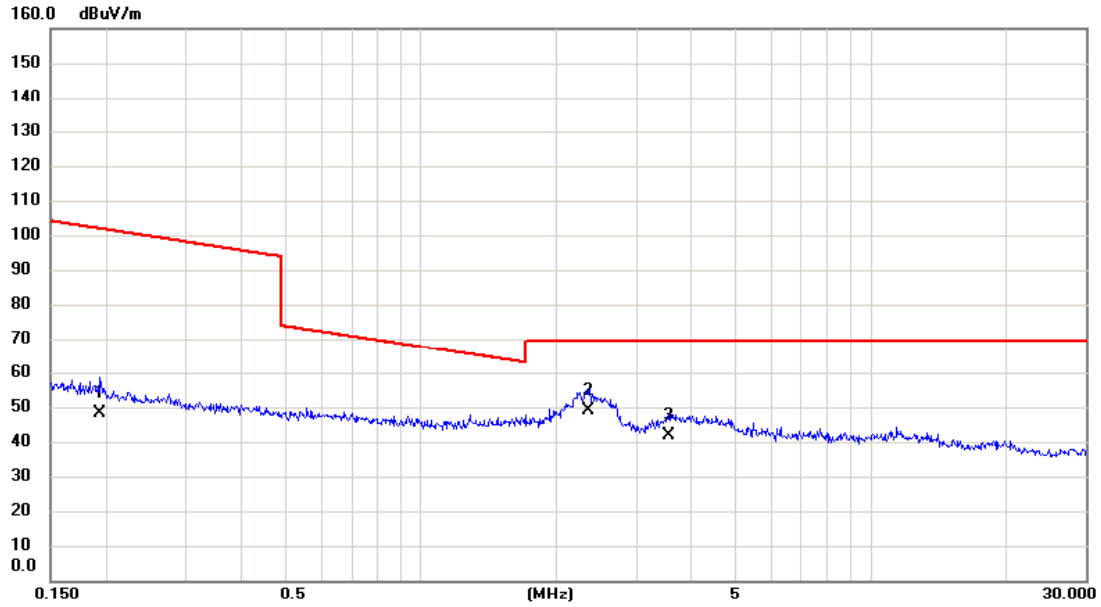
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0177	31.44	23.66	55.10	122.65	-67.55	AVG	
2	*	0.0223	32.16	23.24	55.40	120.64	-65.24	AVG	
3		0.0461	27.64	20.30	47.94	114.33	-66.39	AVG	

Test Mode:	TX Mode (Adapter: PHITEK)

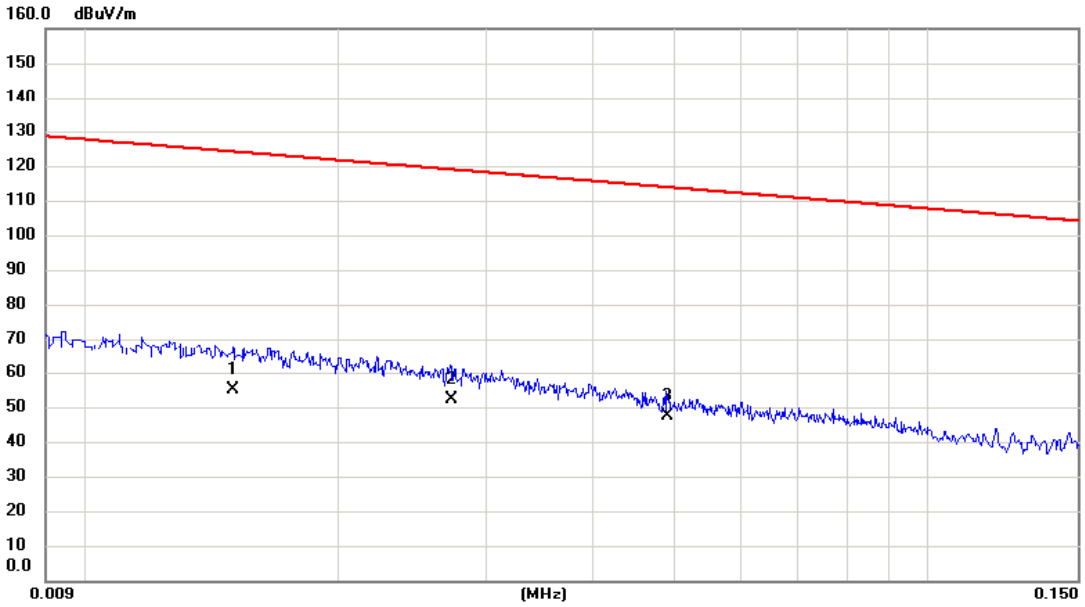
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.1934	29.44	18.70	48.14	101.88	-53.74	AVG	
2	*	2.3584	31.42	17.44	48.86	69.54	-20.68	QP	
3		3.5653	24.12	17.83	41.95	69.54	-27.59	QP	

Test Mode:	TX Mode (Adapter: PHITEK)

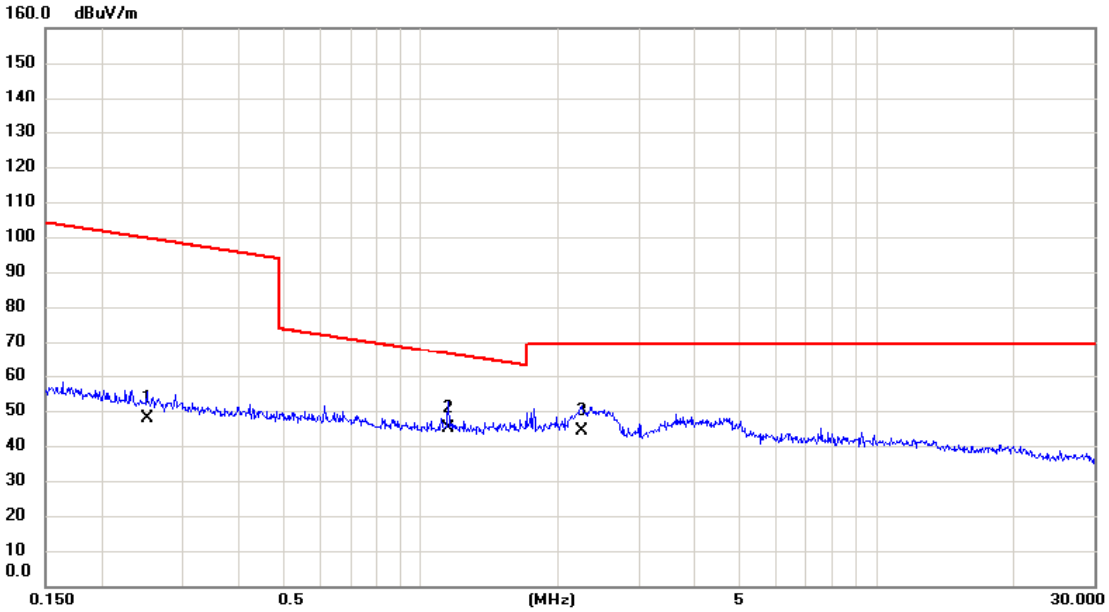
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0150	31.14	23.82	54.96	124.08	-69.12	AVG	
2		0.0273	29.55	22.62	52.17	118.88	-66.71	AVG	
3	*	0.0491	27.58	19.93	47.51	113.78	-66.27	AVG	

Test Mode:	TX Mode (Adapter: PHITEK)

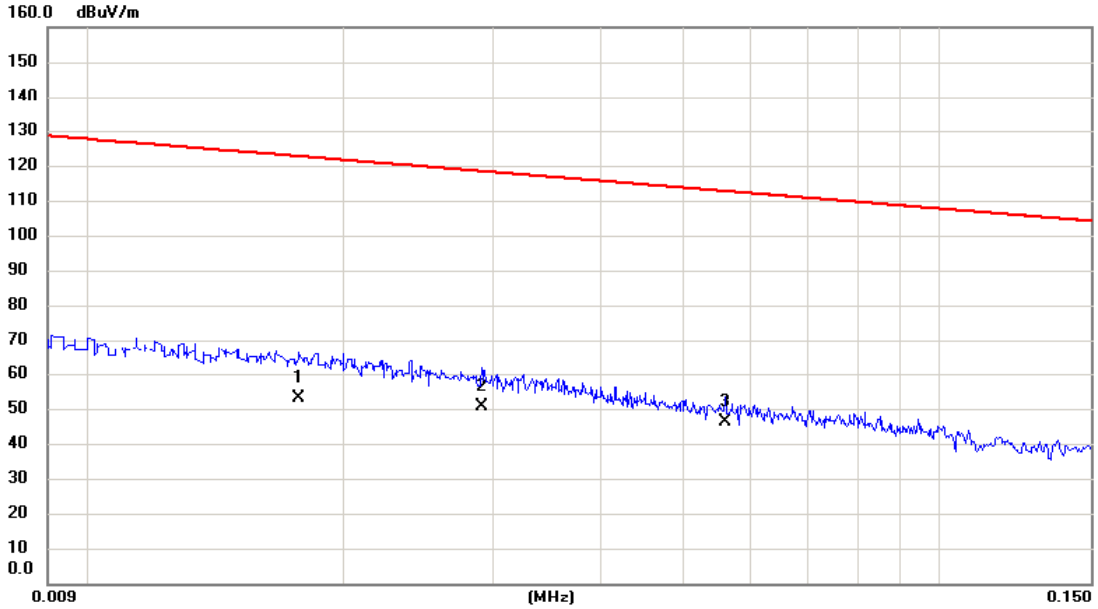
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2508	29.22	18.65	47.87	99.62	-51.75	AVG	
2	*	1.1534	27.33	17.71	45.04	66.36	-21.32	QP	
3		2.2486	26.74	17.59	44.33	69.54	-25.21	QP	

Test Mode:	TX Mode (Adapter: HUNTKEY)

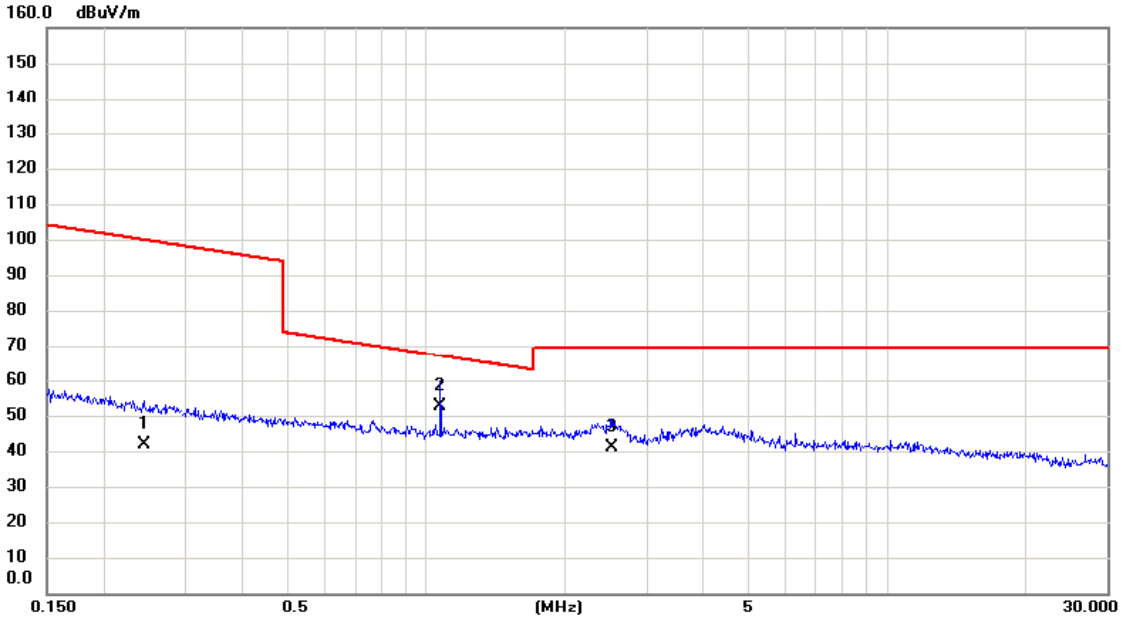
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0177	29.32	23.66	52.98	122.65	-69.67	AVG	
2		0.0291	28.15	22.40	50.55	118.33	-67.78	AVG	
3	*	0.0561	26.41	19.76	46.17	112.63	-66.46	AVG	

Test Mode:	TX Mode (Adapter: HUNTKEY)

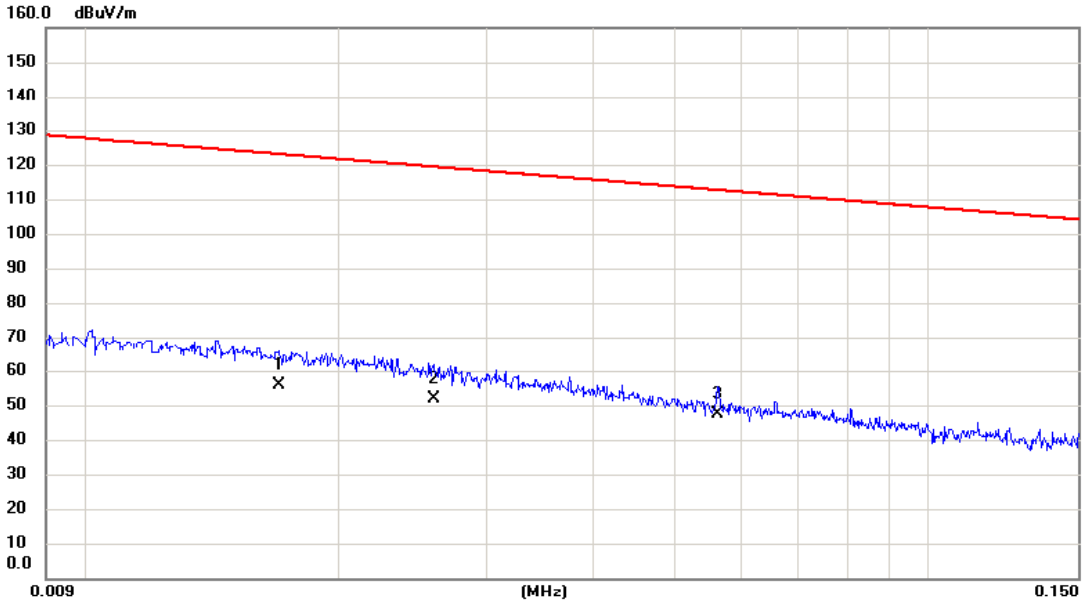
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2430	23.12	18.66	41.78	99.89	-58.11	AVG	
2	*	1.0766	34.96	17.70	52.66	66.96	-14.30	QP	
3		2.5133	23.70	17.25	40.95	69.54	-28.59	QP	

Test Mode:	TX Mode (Adapter: HUNTKEY)

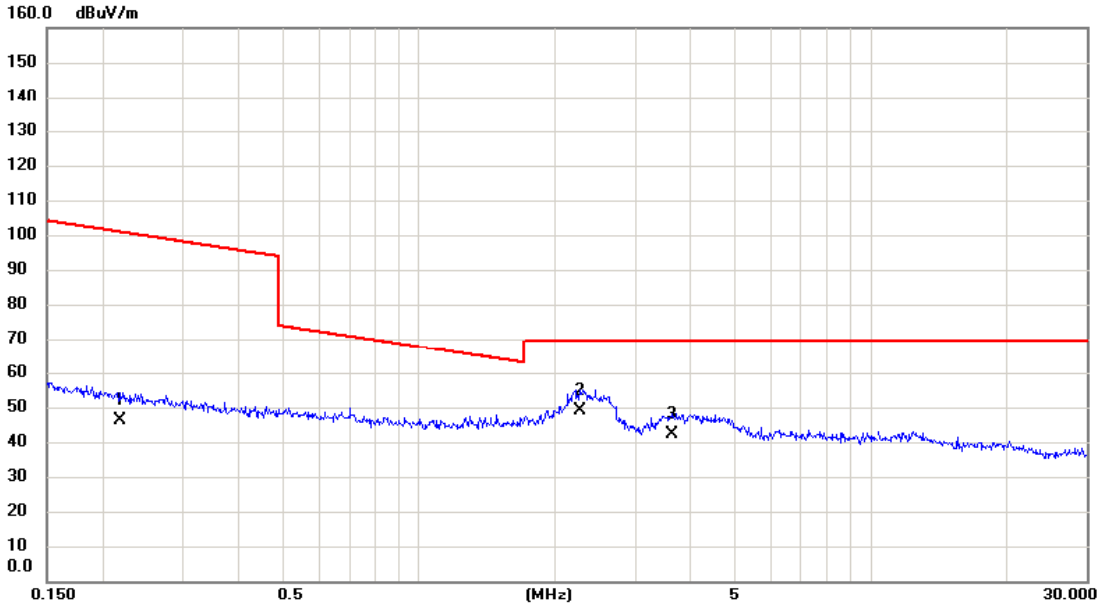
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0170	32.15	23.70	55.85	123.00	-67.15	AVG	
2		0.0260	29.04	22.78	51.82	119.31	-67.49	AVG	
3	*	0.0563	27.52	19.75	47.27	112.59	-65.32	AVG	

Test Mode:	TX Mode (Adapter: HUNTKEY)

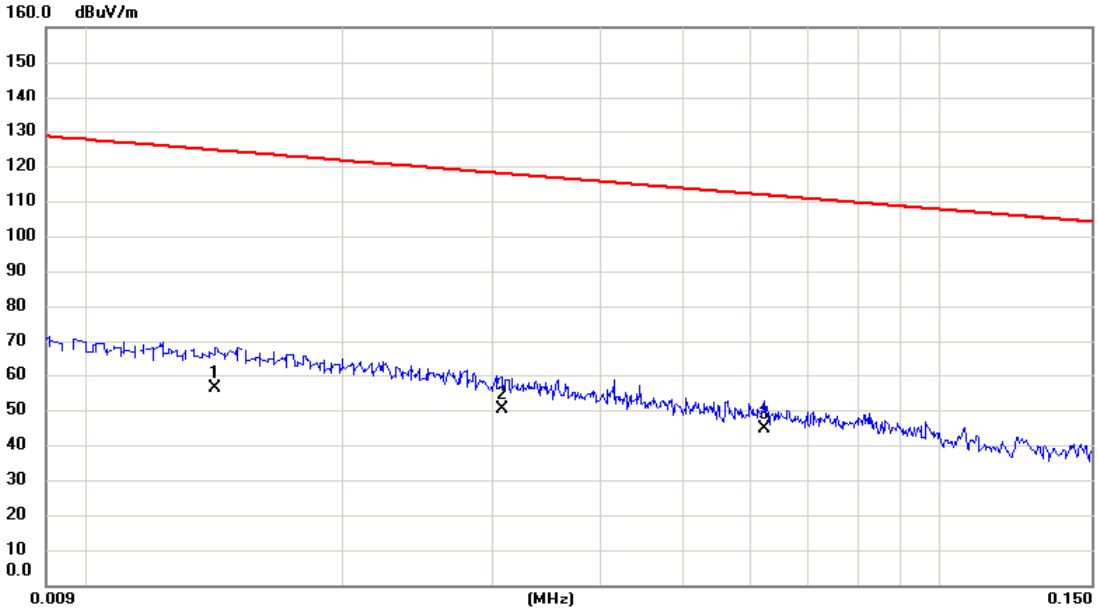
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2174	27.67	18.68	46.35	100.86	-54.51	AVG	
2	*	2.2725	31.55	17.56	49.11	69.54	-20.43	QP	
3		3.6417	24.11	18.00	42.11	69.54	-27.43	QP	

Test Mode:	TX Mode (Adapter: BYD)

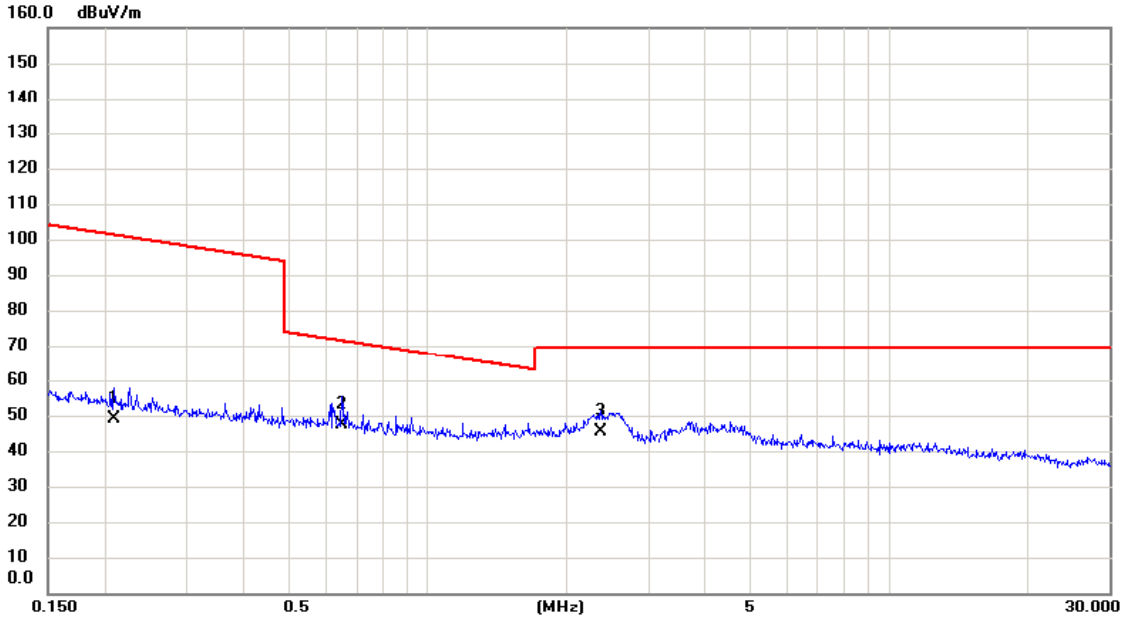
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0142	32.29	23.87	56.16	124.56	-68.40	peak	
2		0.0307	28.09	22.20	50.29	117.86	-67.57	peak	
3	*	0.0623	24.86	19.68	44.54	111.72	-67.18	peak	

Test Mode:	TX Mode (Adapter: BYD)

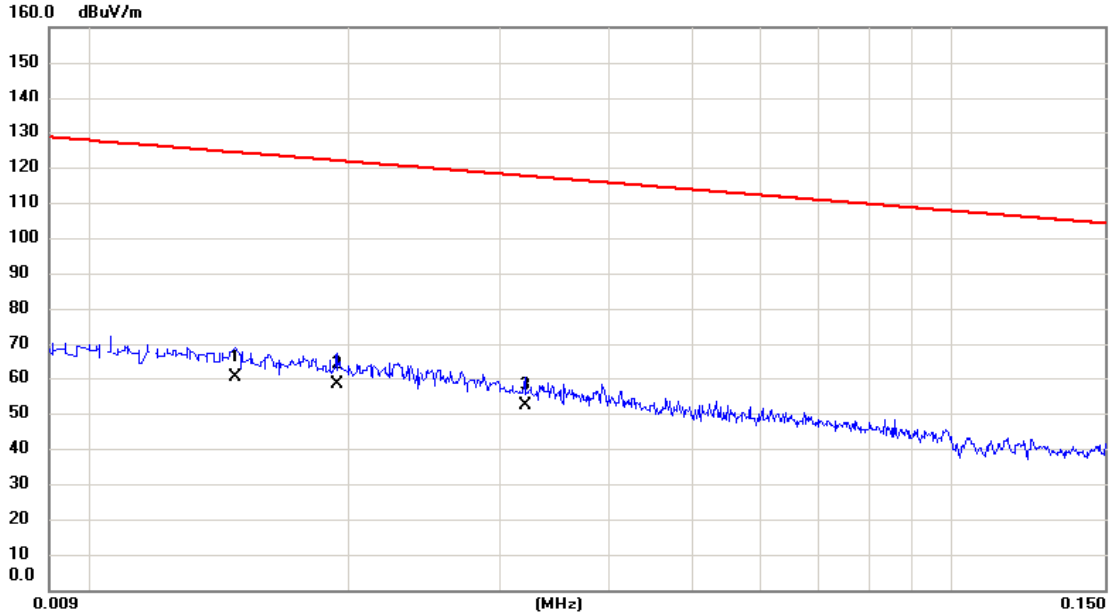
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2083	30.19	18.68	48.87	101.23	-52.36	AVG	
2	*	0.6508	28.96	18.43	47.39	71.34	-23.95	QP	
3		2.3710	27.84	17.43	45.27	69.54	-24.27	QP	

Test Mode:	TX Mode (Adapter: BYD)

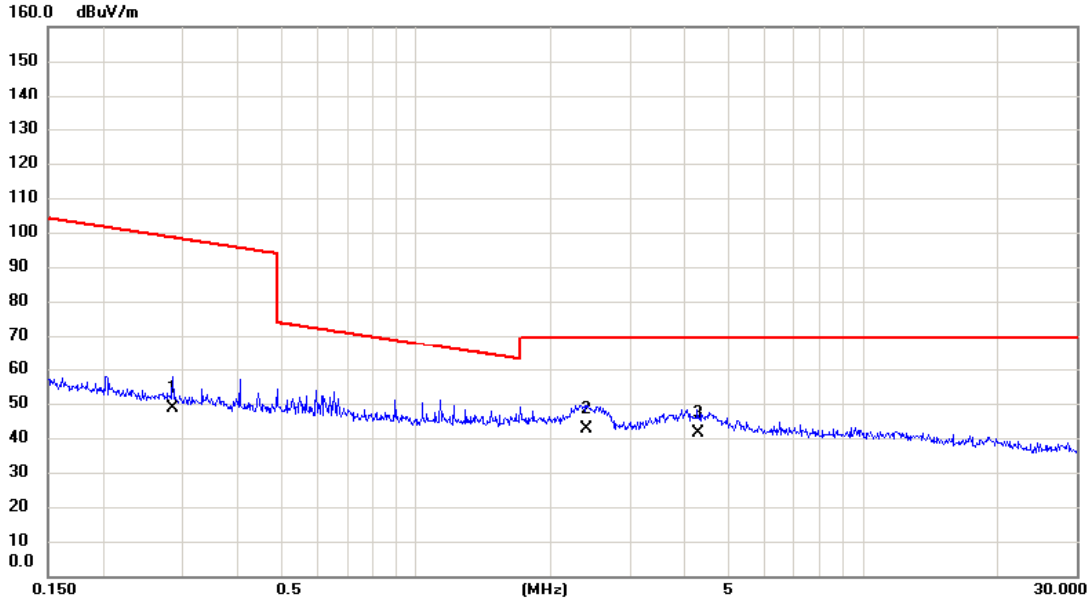
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.0148	36.26	23.83	60.09	124.20	-64.11	AVG	
2	*	0.0194	34.69	23.56	58.25	121.85	-63.60	AVG	
3		0.0320	30.01	22.04	52.05	117.50	-65.45	AVG	

Test Mode:	TX Mode (Adapter: BYD)

Ant 90°

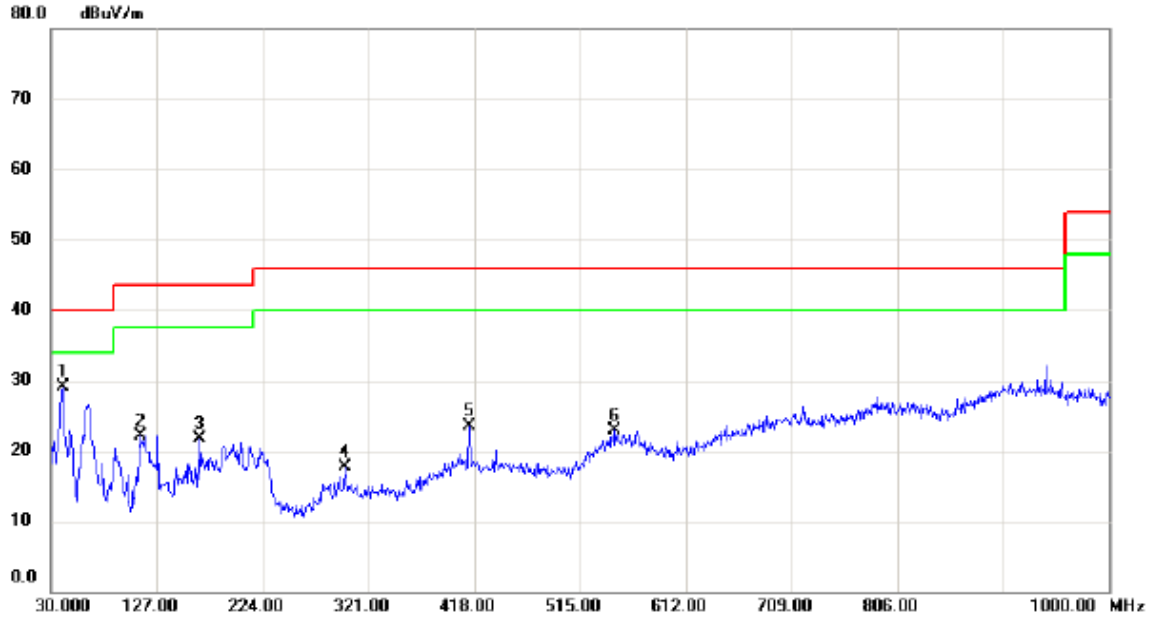


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2847	30.02	18.61	48.63	98.52	-49.89	AVG	
2	*	2.3962	25.18	17.39	42.57	69.54	-26.97	QP	
3		4.2692	23.02	18.19	41.21	69.54	-28.33	QP	

ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)

Test Mode:	TX B MODE CHANNEL 01_Adapter: PHITEK

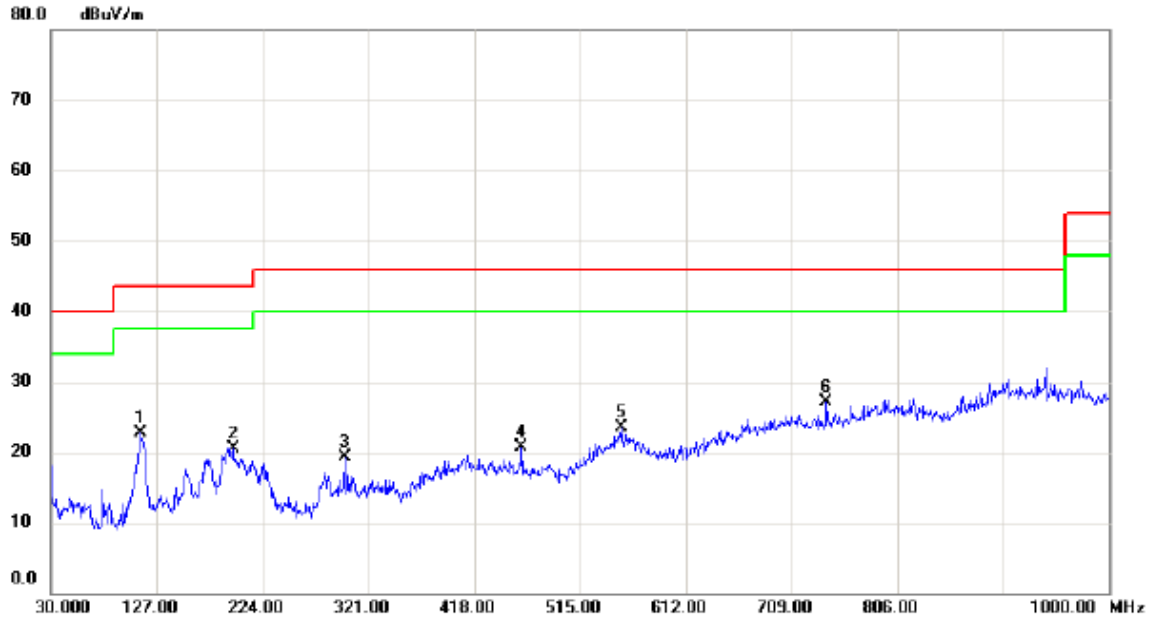
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	40.670	42.86	-13.77	29.09	40.00	-10.91	peak	
2		111.480	36.67	-14.48	22.19	43.50	-21.31	peak	
3		166.770	33.98	-12.21	21.77	43.50	-21.73	peak	
4		299.660	27.81	-10.19	17.62	46.00	-28.38	peak	
5		413.150	31.41	-7.83	23.58	46.00	-22.42	peak	
6		546.040	27.80	-4.96	22.84	46.00	-23.16	peak	

Test Mode:	TX B MODE CHANNEL 01_Adapter: PHITEK

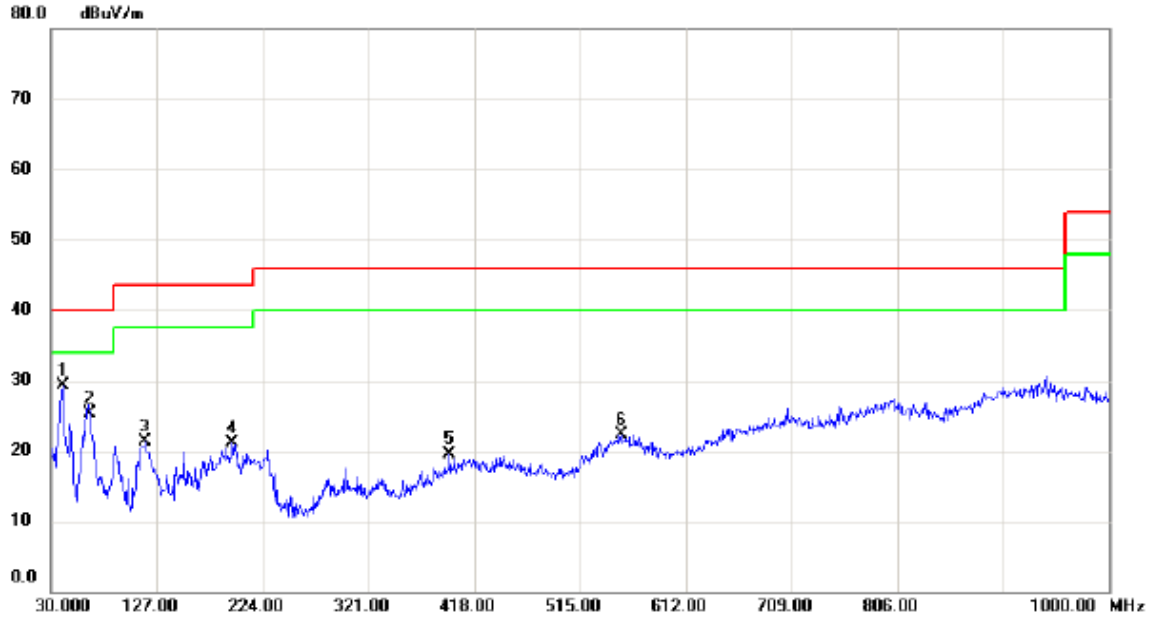
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		111.480	37.18	-14.48	22.70	43.50	-20.80	peak	
2		196.840	34.85	-14.27	20.58	43.50	-22.92	peak	
3		299.660	29.48	-10.19	19.29	46.00	-26.71	peak	
4		461.650	29.08	-8.41	20.67	46.00	-25.33	peak	
5		553.800	28.27	-4.73	23.54	46.00	-22.46	peak	
6	*	741.010	29.08	-1.99	27.09	46.00	-18.91	peak	

Test Mode:	TX B MODE CHANNEL 10_Adapter: PHITEK

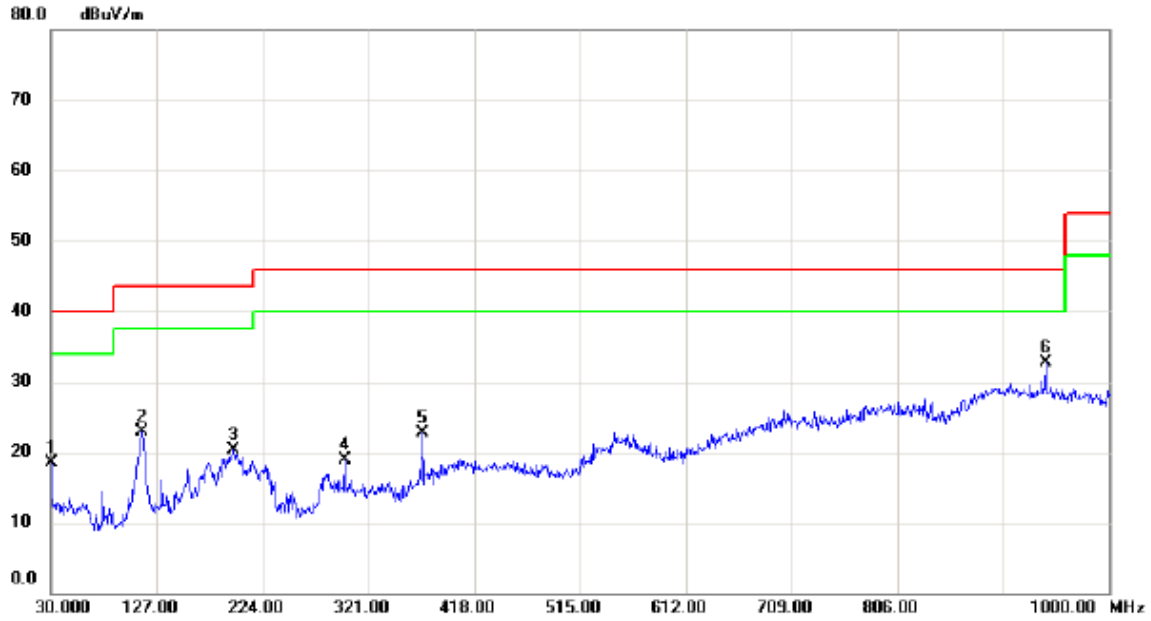
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	40.670	42.98	-13.77	29.21	40.00	-10.79	peak	
2		64.920	40.39	-15.16	25.23	40.00	-14.77	peak	
3		116.330	35.23	-13.89	21.34	43.50	-22.16	peak	
4		195.870	35.43	-14.23	21.20	43.50	-22.30	peak	
5		395.690	27.55	-8.08	19.47	46.00	-26.53	peak	
6		552.830	27.07	-4.68	22.39	46.00	-23.61	peak	

Test Mode:	TX B MODE CHANNEL 10_Adapter: PHITEK

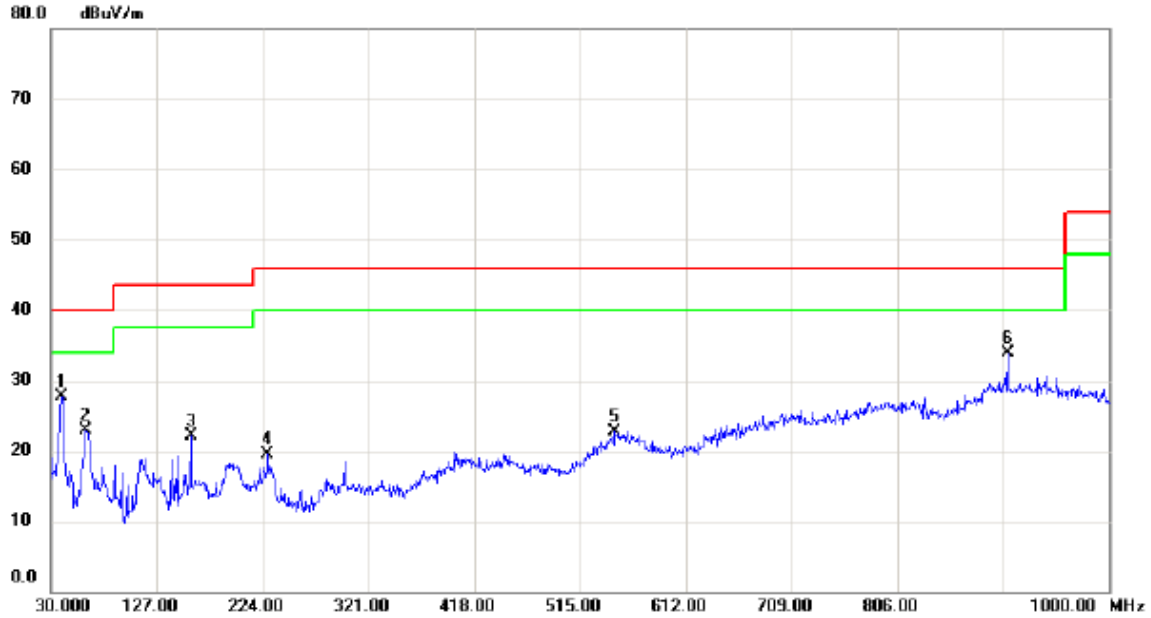
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		30.000	32.50	-14.03	18.47	40.00	-21.53	peak	
2		113.420	37.12	-14.25	22.87	43.50	-20.63	peak	
3		197.810	34.53	-14.32	20.21	43.50	-23.29	peak	
4		299.660	29.12	-10.19	18.93	46.00	-27.07	peak	
5		370.470	32.60	-9.82	22.78	46.00	-23.22	peak	
6	*	941.800	30.19	2.47	32.66	46.00	-13.34	peak	

Test Mode:	TX B MODE CHANNEL 01_Adapter: HUNTKEY

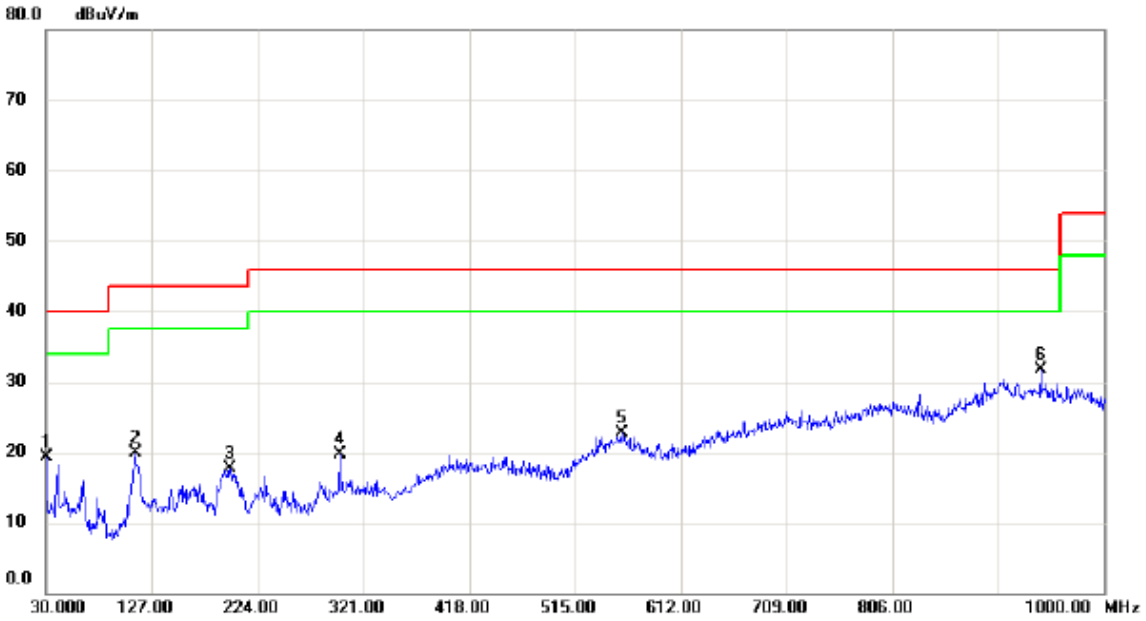
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		39.700	41.70	-13.95	27.75	40.00	-12.25	peak	
2		62.010	37.16	-14.30	22.86	40.00	-17.14	peak	
3		158.040	34.49	-12.31	22.18	43.50	-21.32	peak	
4		228.850	33.02	-13.47	19.55	46.00	-26.45	peak	
5		547.010	27.61	-4.85	22.76	46.00	-23.24	peak	
6	*	906.880	31.31	2.62	33.93	46.00	-12.07	peak	

Test Mode:	TX B MODE CHANNEL 01_Adapter: HUNTKEY

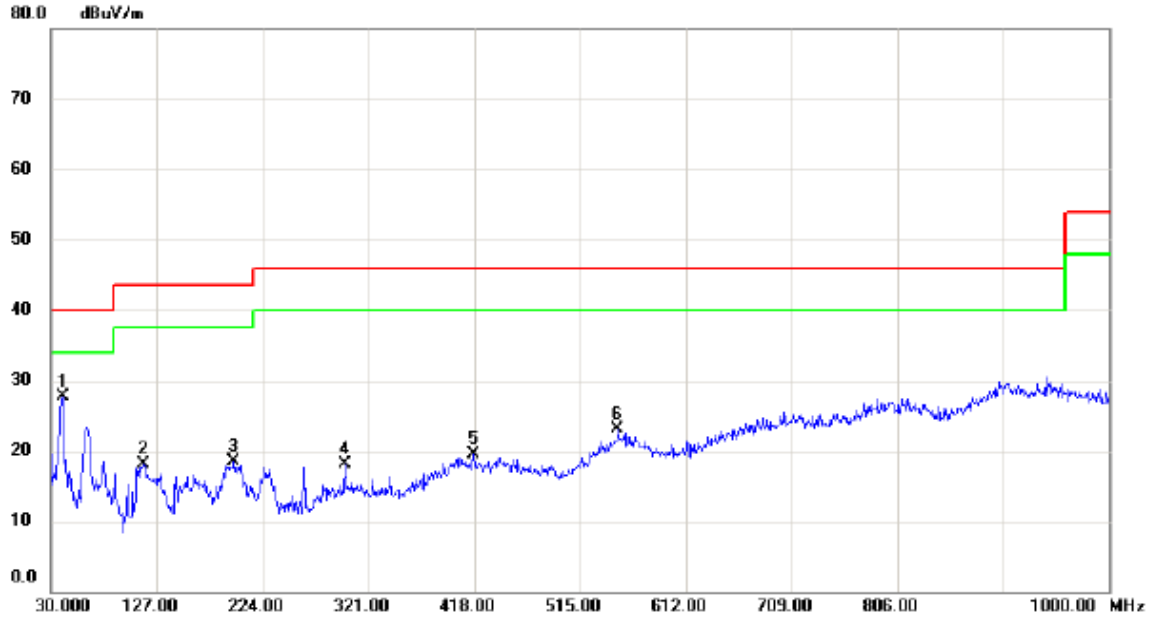
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		30.000	33.42	-14.03	19.39	40.00	-20.61	peak	
2		111.480	34.29	-14.48	19.81	43.50	-23.69	peak	
3		198.780	32.16	-14.37	17.79	43.50	-25.71	peak	
4		299.660	29.82	-10.19	19.63	46.00	-26.37	peak	
5		558.650	27.66	-4.98	22.68	46.00	-23.32	peak	
6	*	941.800	29.19	2.47	31.66	46.00	-14.34	peak	

Test Mode:	TX B MODE CHANNEL 10_Adapter: HUNTKEY

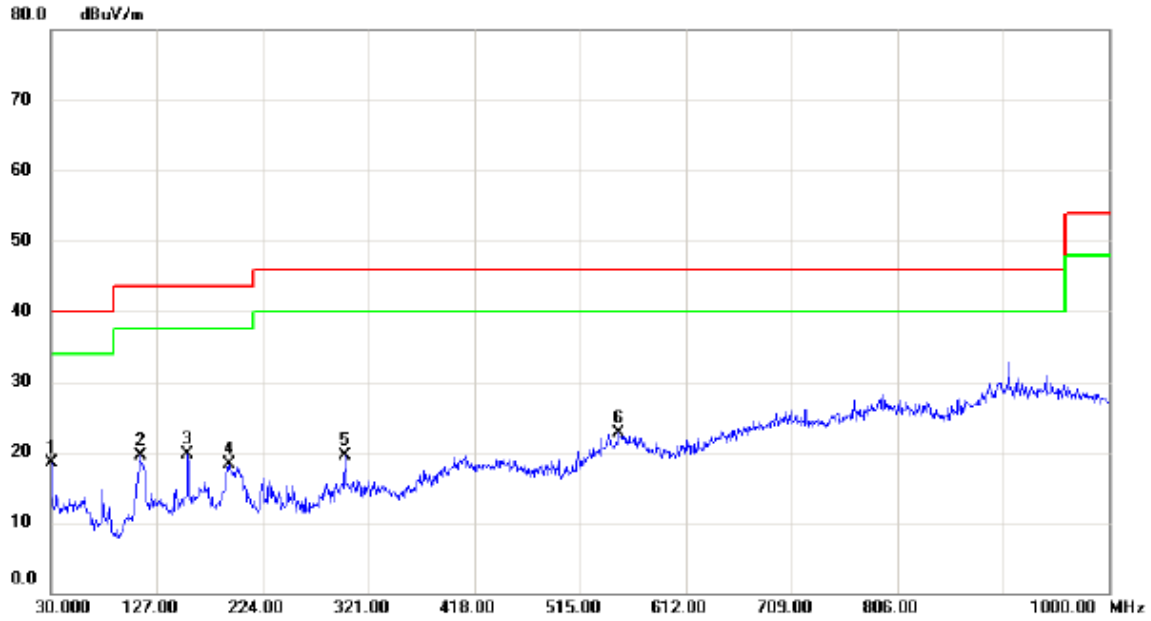
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	40.670	41.54	-13.77	27.77	40.00	-12.23	peak	
2		114.390	32.31	-14.13	18.18	43.50	-25.32	peak	
3		197.810	32.87	-14.32	18.55	43.50	-24.95	peak	
4		299.660	28.30	-10.19	18.11	46.00	-27.89	peak	
5		417.030	27.37	-7.86	19.51	46.00	-26.49	peak	
6		549.920	27.62	-4.55	23.07	46.00	-22.93	peak	

Test Mode:	TX B MODE CHANNEL 10_Adapter: HUNTKEY

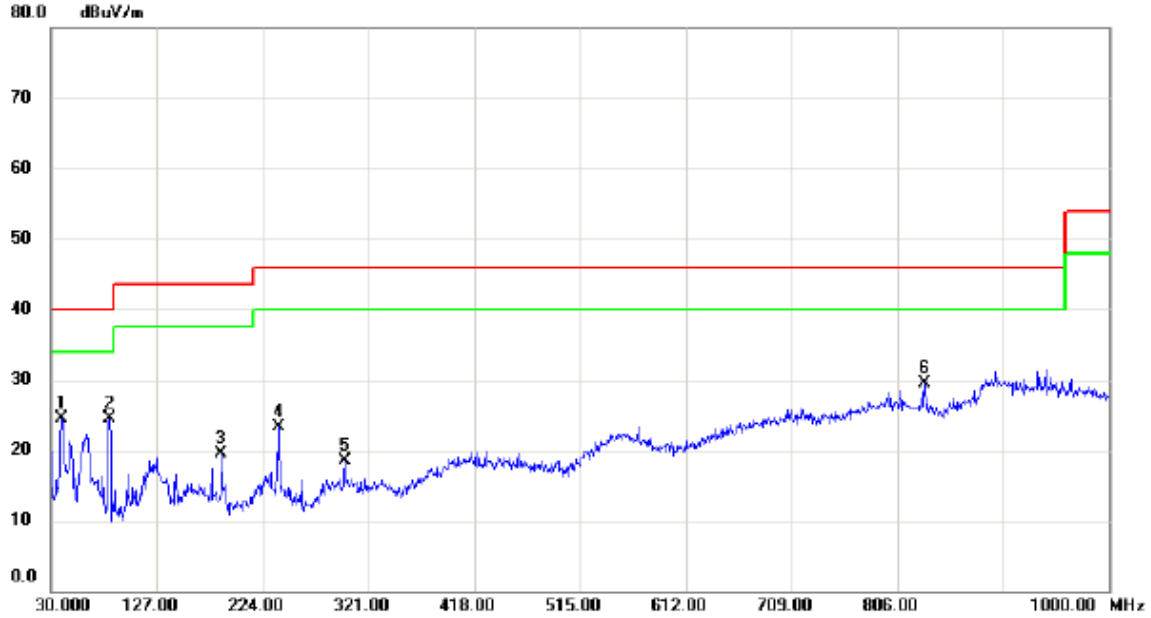
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	30.000	32.58	-14.03	18.55	40.00	-21.45	peak	
2		111.480	34.02	-14.48	19.54	43.50	-23.96	peak	
3		155.130	32.22	-12.54	19.68	43.50	-23.82	peak	
4		192.960	32.46	-14.09	18.37	43.50	-25.13	peak	
5		299.660	29.74	-10.19	19.55	46.00	-26.45	peak	
6		550.890	27.32	-4.59	22.73	46.00	-23.27	peak	

Test Mode:	TX B MODE CHANNEL 01_Adapter: BYD

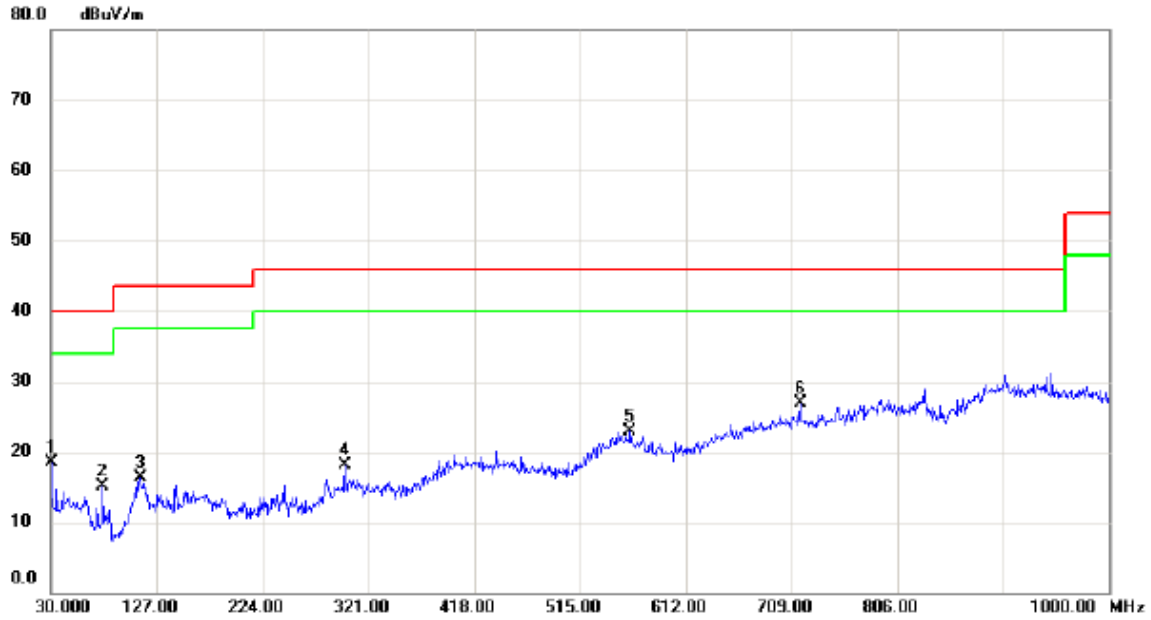
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		39.700	38.39	-13.95	24.44	40.00	-15.56	peak	
2	*	83.350	41.46	-16.96	24.50	40.00	-15.50	peak	
3		186.170	33.07	-13.52	19.55	43.50	-23.95	peak	
4		238.550	37.09	-13.72	23.37	46.00	-22.63	peak	
5		299.660	28.74	-10.19	18.55	46.00	-27.45	peak	
6		831.220	30.19	-0.69	29.50	46.00	-16.50	peak	

Test Mode:	TX B MODE CHANNEL 01_Adapter: BYD

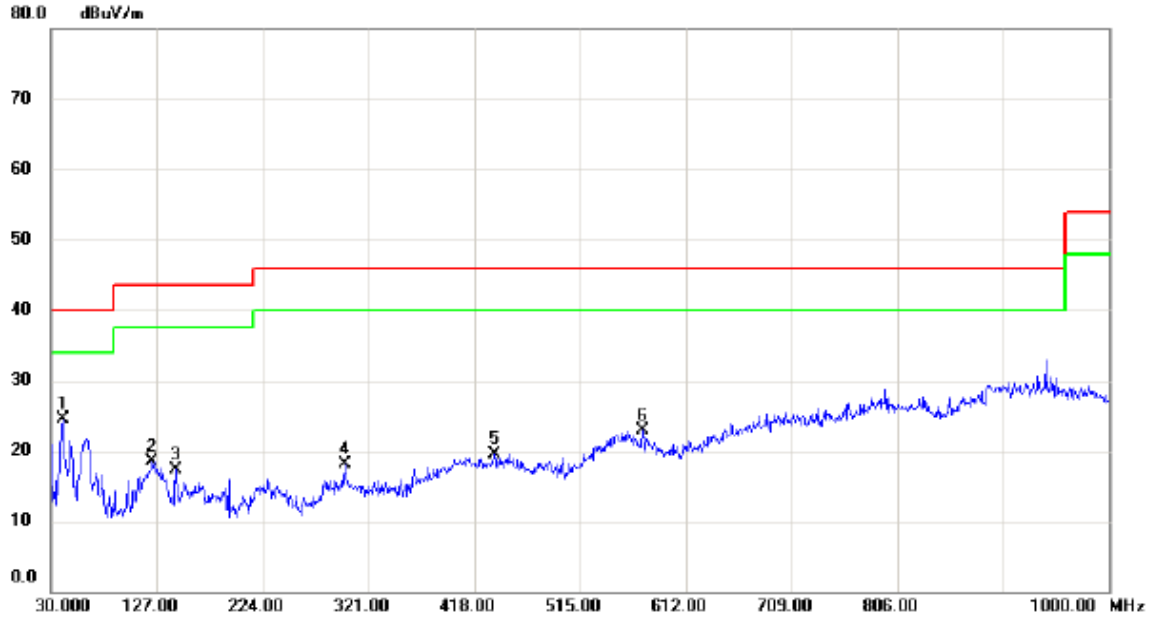
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		30.000	32.54	-14.03	18.51	40.00	-21.49	peak	
2		77.530	31.48	-16.31	15.17	40.00	-24.83	peak	
3		111.480	30.80	-14.48	16.32	43.50	-27.18	peak	
4		299.660	28.28	-10.19	18.09	46.00	-27.91	peak	
5		561.560	27.95	-5.12	22.83	46.00	-23.17	peak	
6	*	716.760	29.04	-2.06	26.98	46.00	-19.02	peak	

Test Mode:	TX B MODE CHANNEL 10_Adapter: BYD

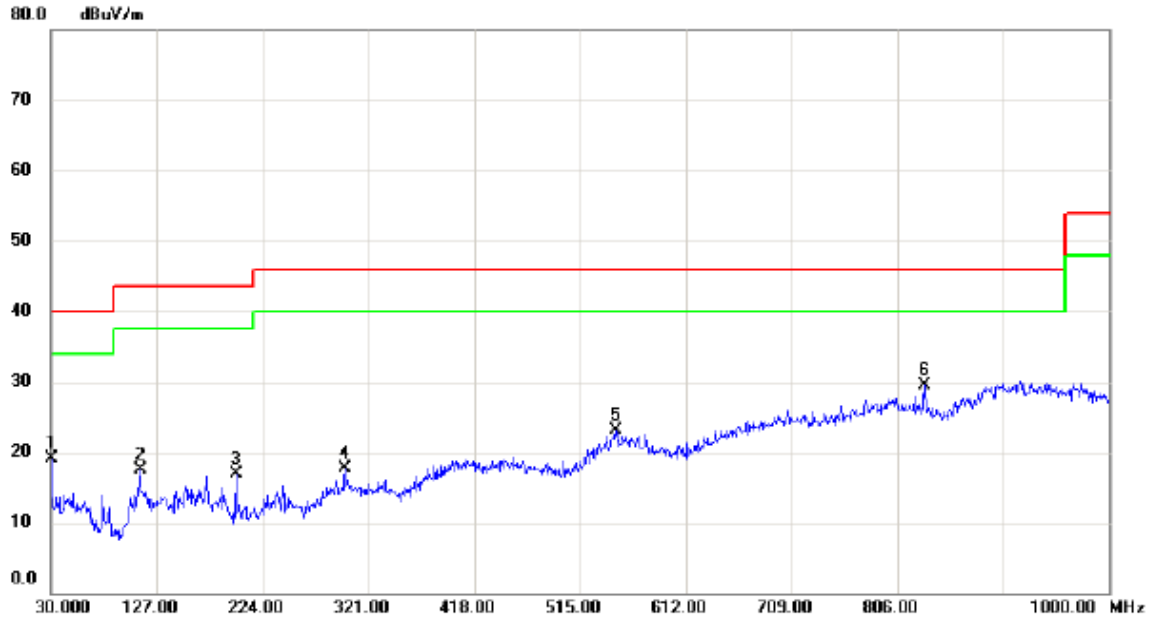
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	40.670	38.22	-13.77	24.45	40.00	-15.55	peak	
2		122.150	31.72	-13.21	18.51	43.50	-24.99	peak	
3		144.460	30.69	-13.39	17.30	43.50	-26.20	peak	
4		299.660	28.27	-10.19	18.08	46.00	-27.92	peak	
5		436.430	27.48	-7.95	19.53	46.00	-26.47	peak	
6		572.230	28.47	-5.66	22.81	46.00	-23.19	peak	

Test Mode:	TX B MODE CHANNEL 10_Adapter: BYD

Horizontal

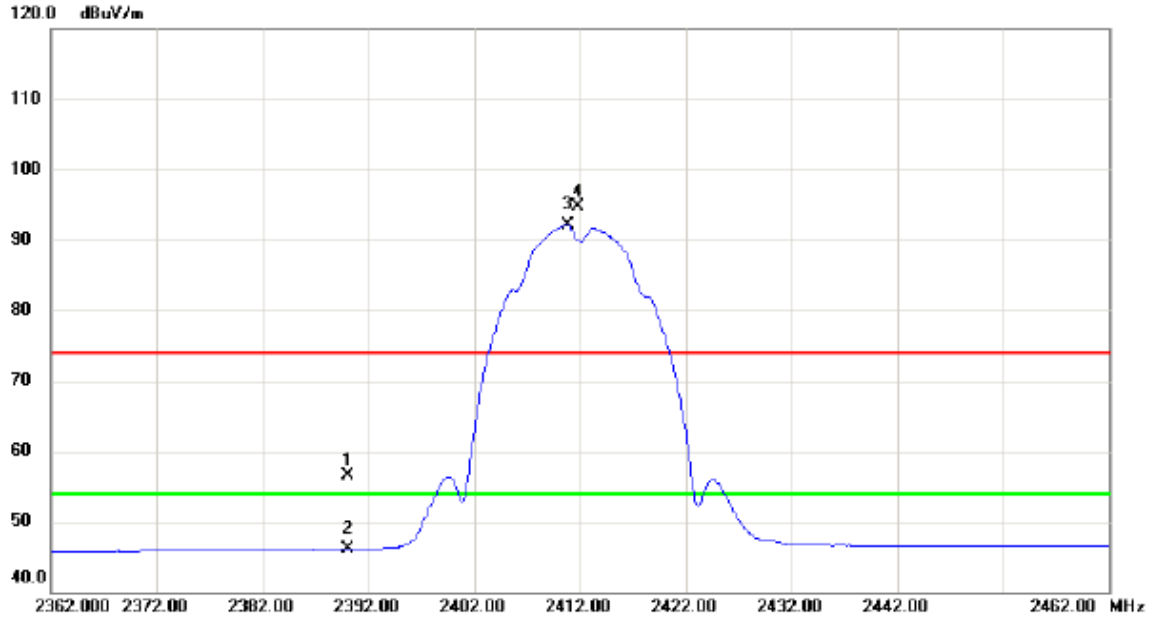


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		30.000	33.04	-14.03	19.01	40.00	-20.99	peak	
2		111.480	32.00	-14.48	17.52	43.50	-25.98	peak	
3		199.750	31.37	-14.41	16.96	43.50	-26.54	peak	
4		299.660	27.98	-10.19	17.79	46.00	-28.21	peak	
5		547.980	27.90	-4.75	23.15	46.00	-22.85	peak	
6	*	831.220	30.11	-0.69	29.42	46.00	-16.58	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

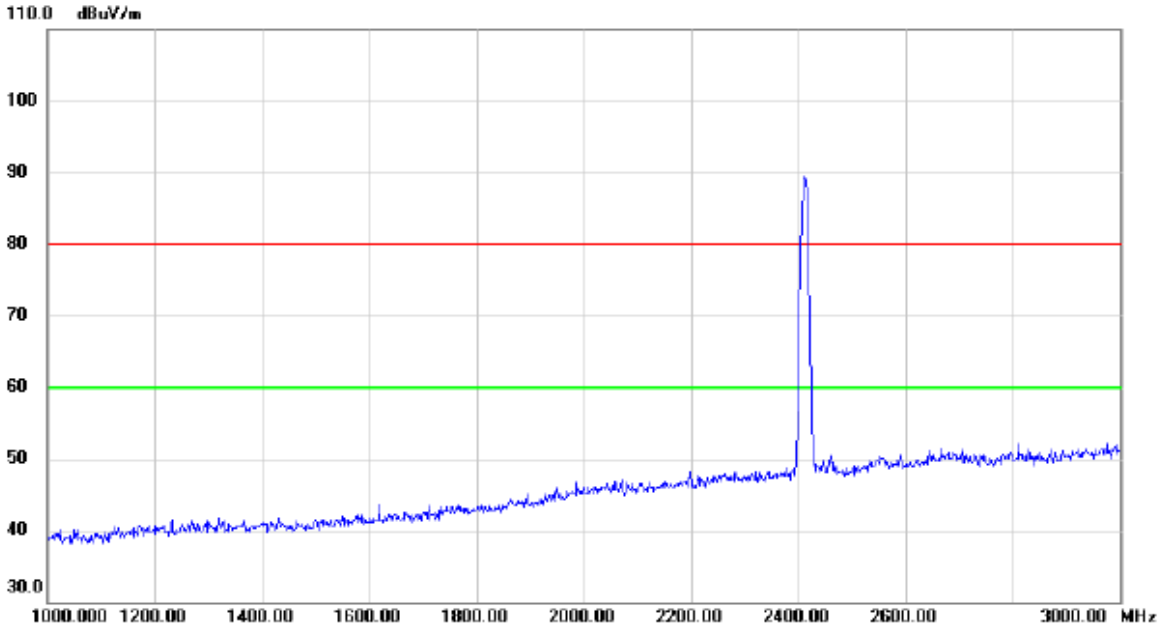
Vertical



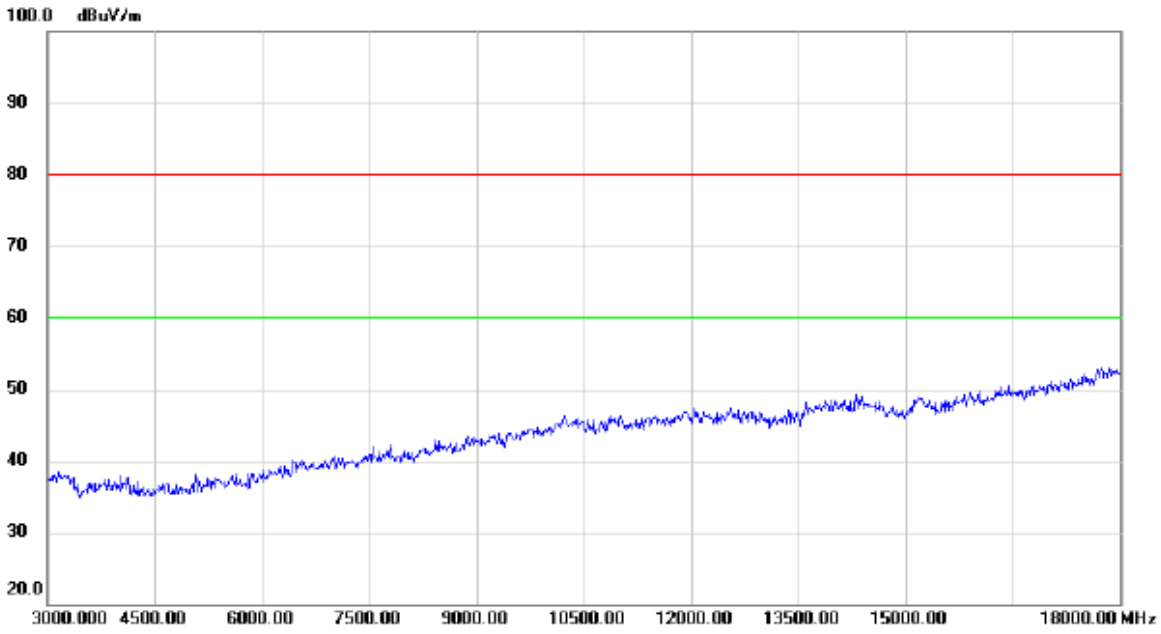
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.45	33.01	56.46	74.00	-17.54	peak	
2		2390.000	13.06	33.01	46.07	54.00	-7.93	AVG	
3	*	2410.800	59.08	33.09	92.17	54.00	38.17	AVG	No Limit
4	X	2411.800	61.51	33.10	94.61	74.00	20.61	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

Vertical



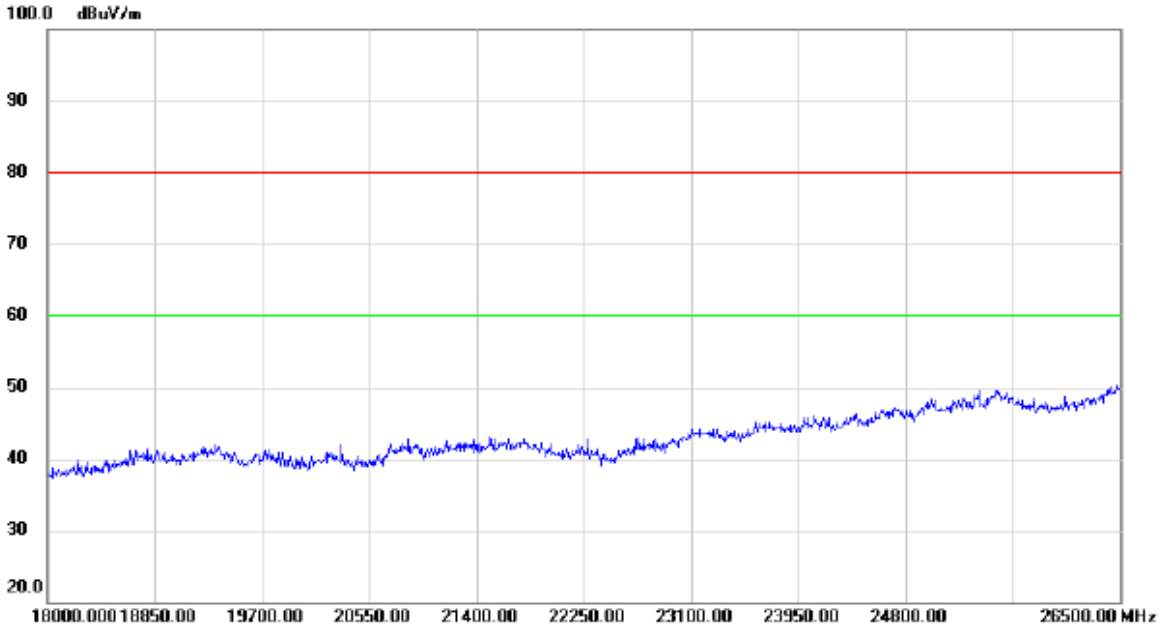
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

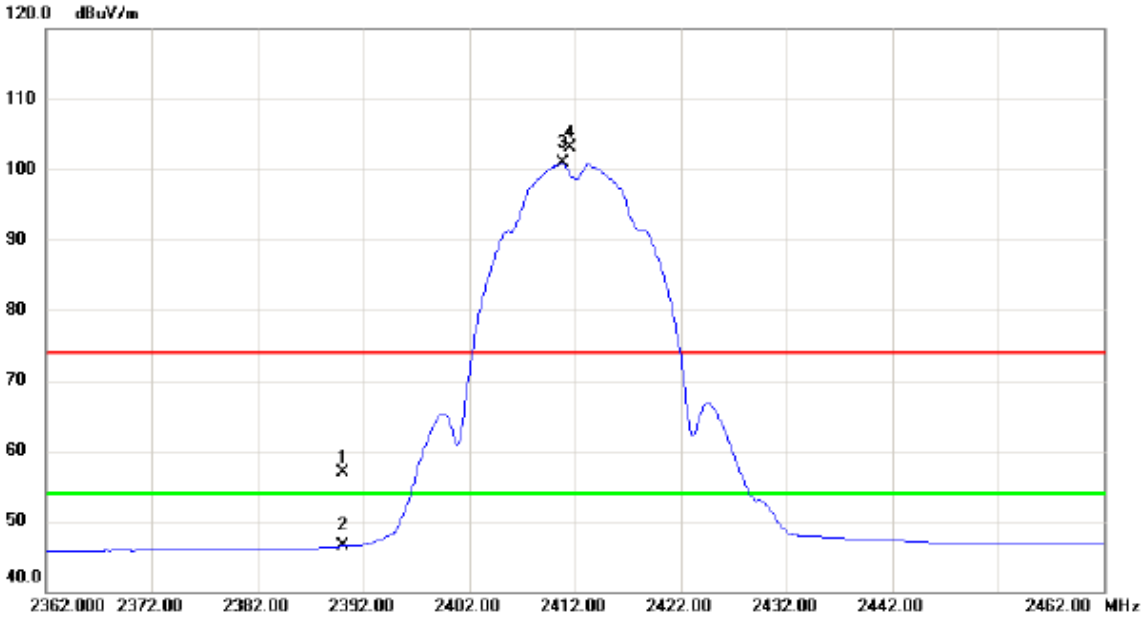
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

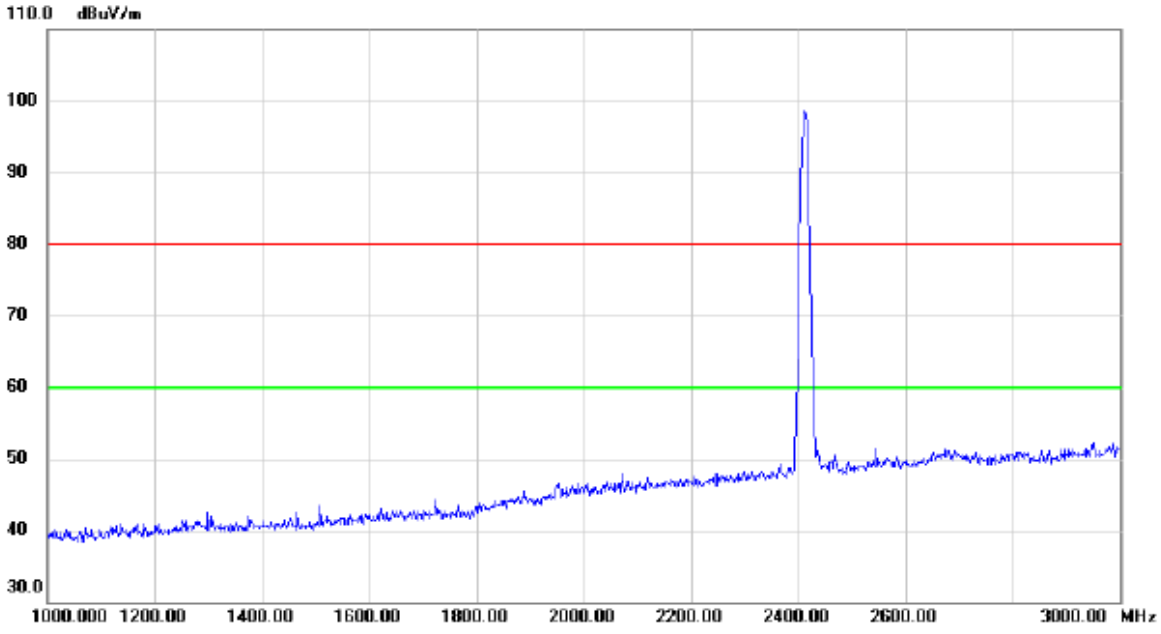
Horizontal



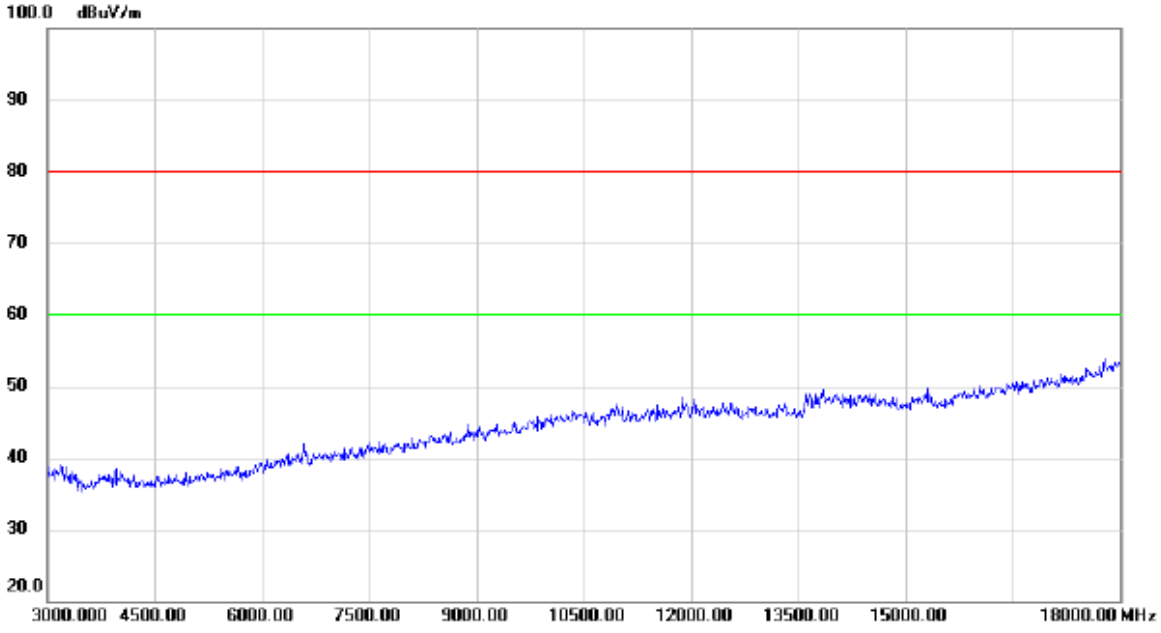
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.80	33.01	56.81	74.00	-17.19	peak	
2		2390.000	13.41	33.01	46.42	54.00	-7.58	AVG	
3	*	2410.800	67.75	33.09	100.84	54.00	46.84	AVG	No Limit
4	X	2411.600	69.95	33.10	103.05	74.00	29.05	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

Horizontal



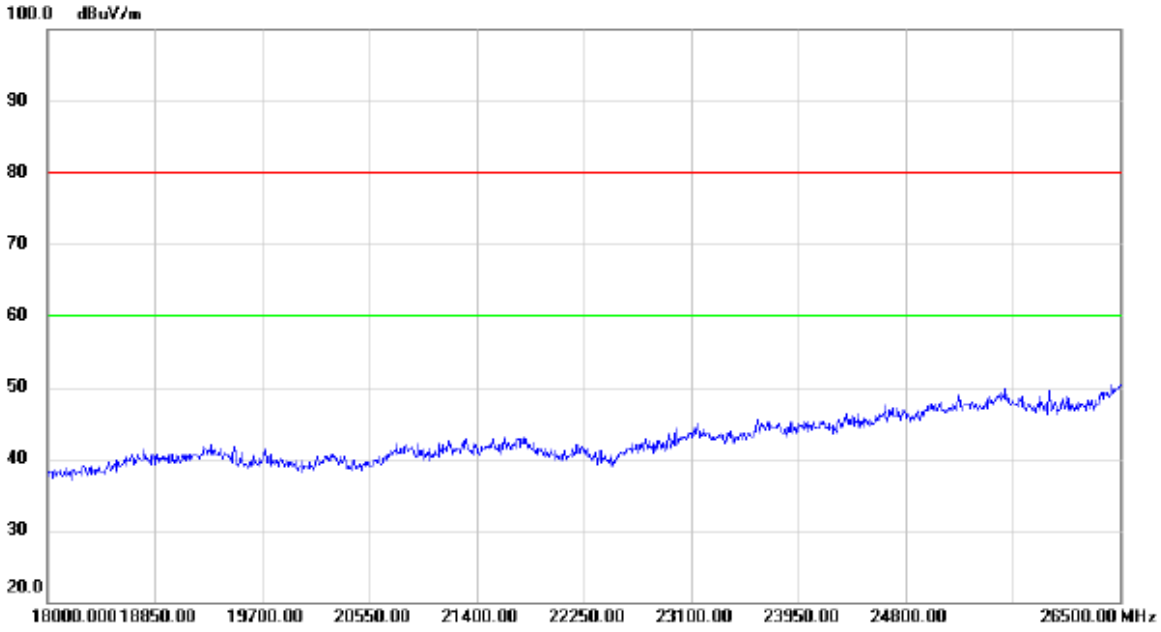
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX B MODE 2412MHz

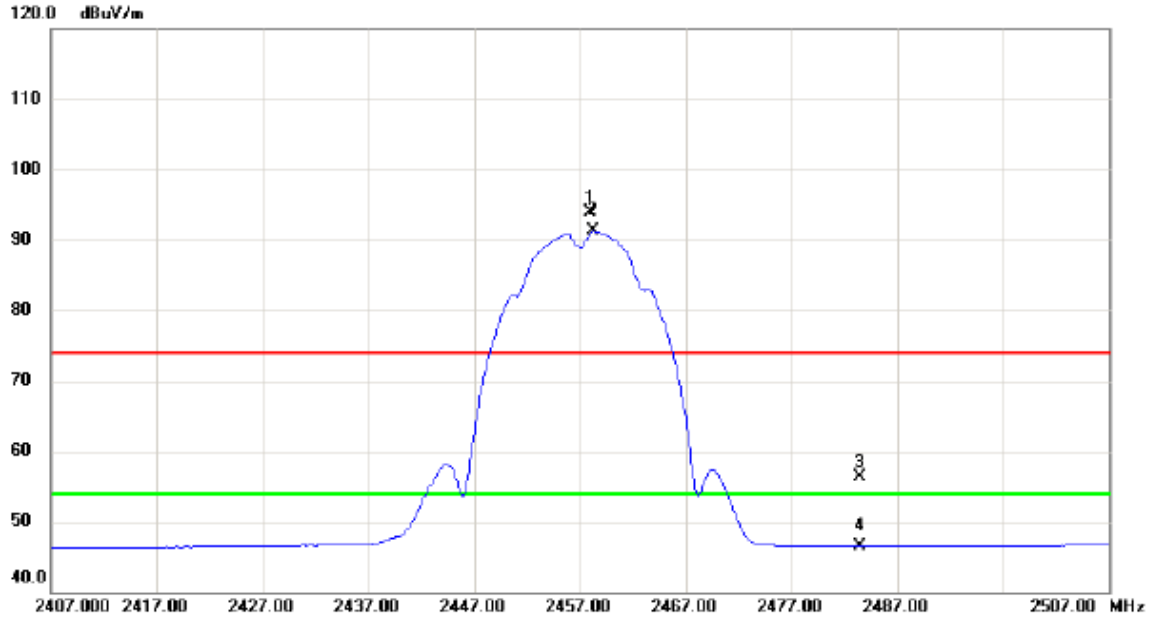
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX B MODE 2457MHz

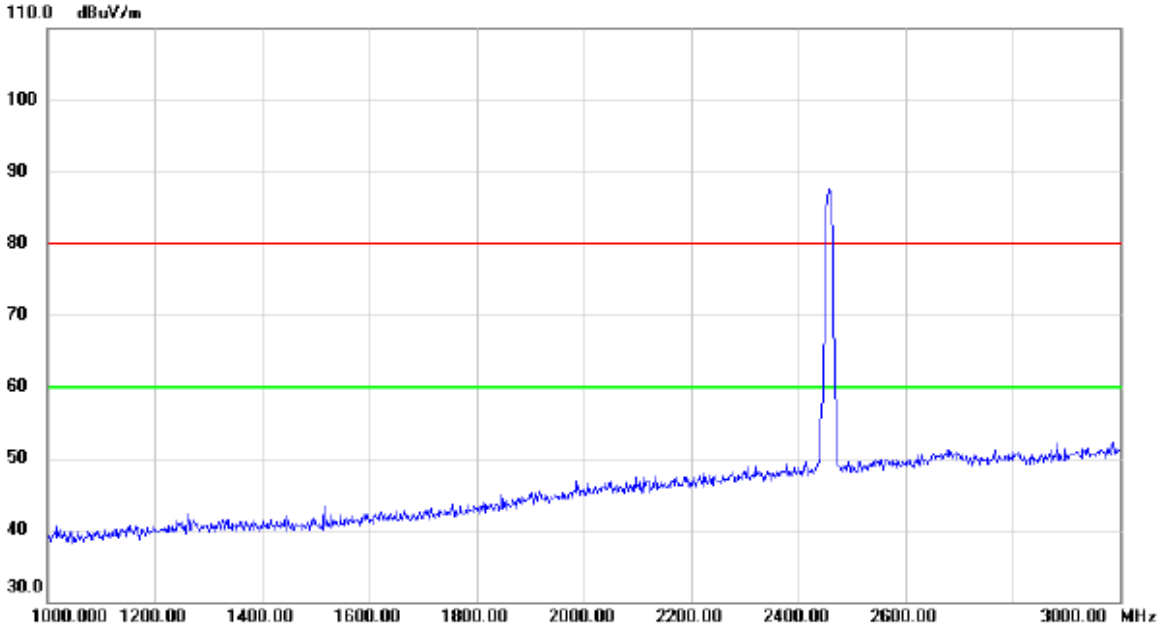
Vertical



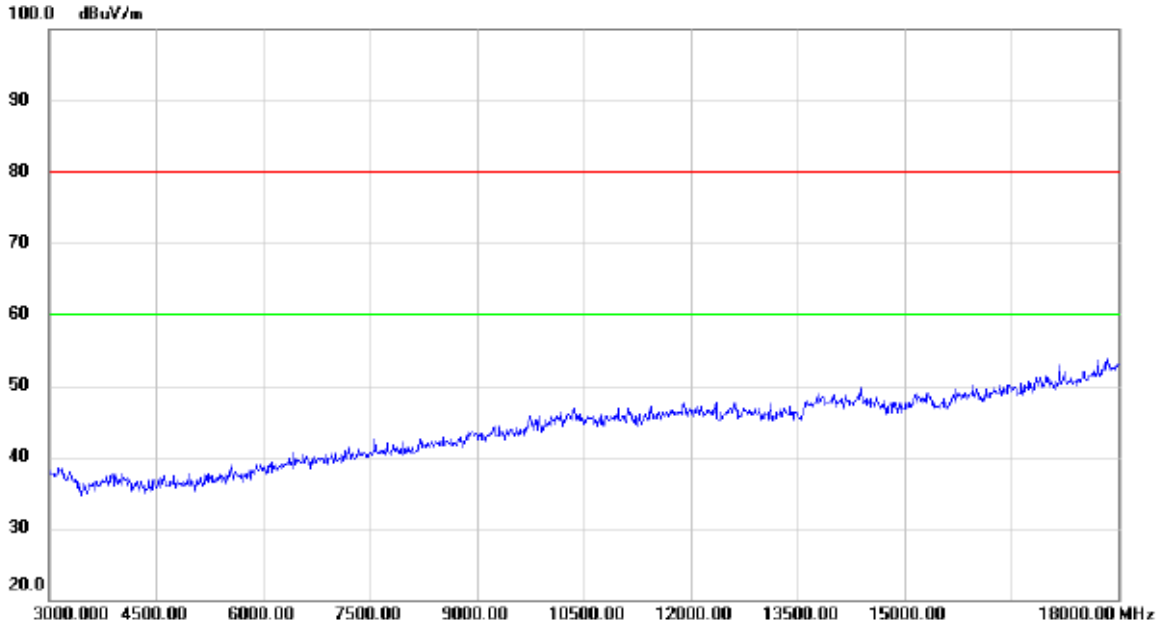
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.000	60.64	33.30	93.94	74.00	19.94	peak	No Limit
2	*	2458.300	57.91	33.30	91.21	54.00	37.21	AVG	No Limit
3		2483.500	22.84	33.40	56.24	74.00	-17.76	peak	
4		2483.500	13.04	33.40	46.44	54.00	-7.56	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2457MHz

Vertical



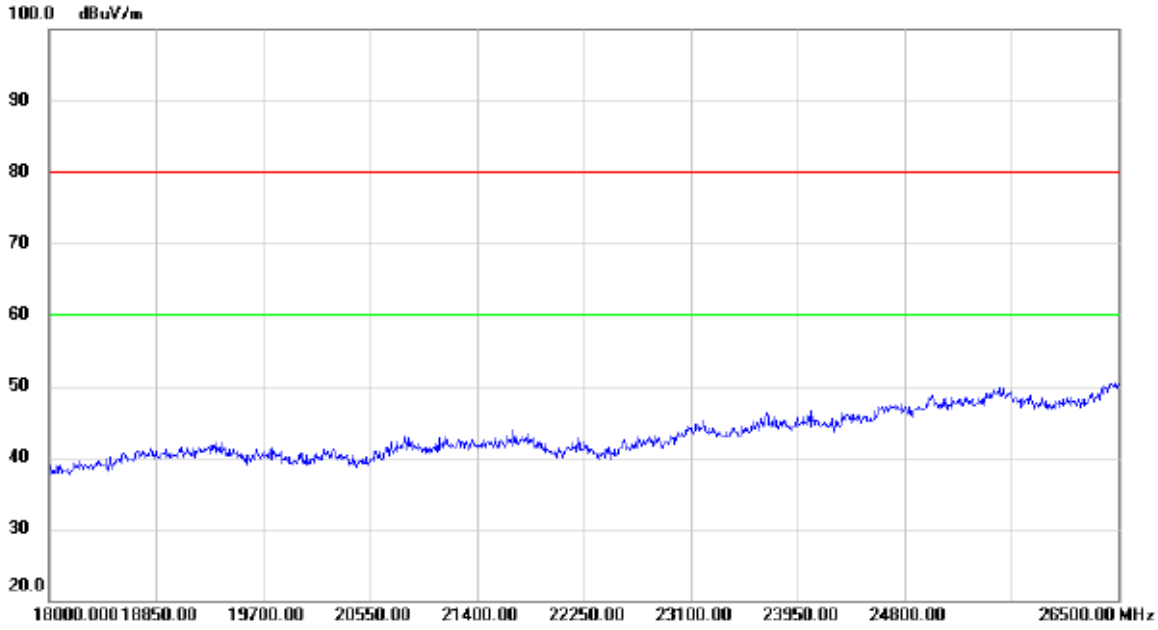
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX B MODE 2457MHz

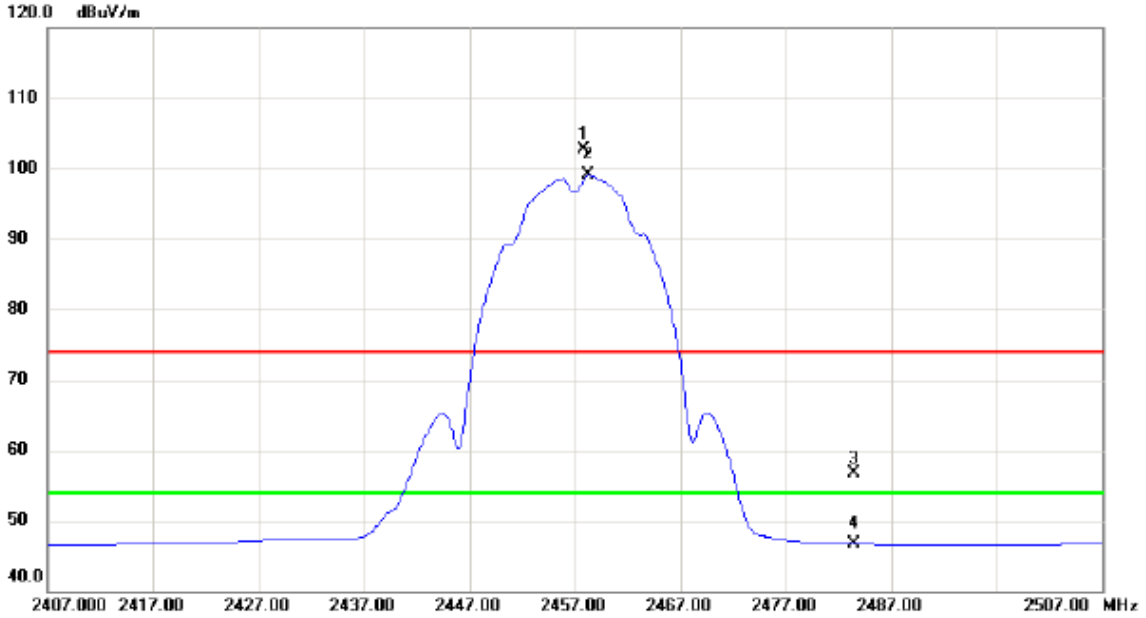
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX B MODE 2457MHz

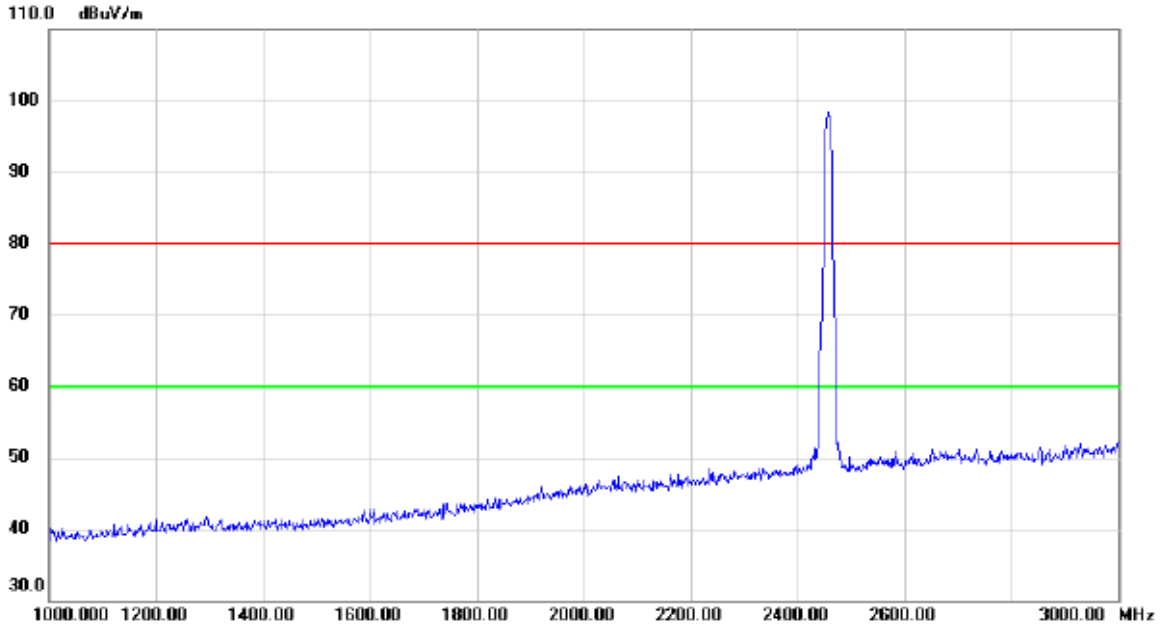
Horizontal



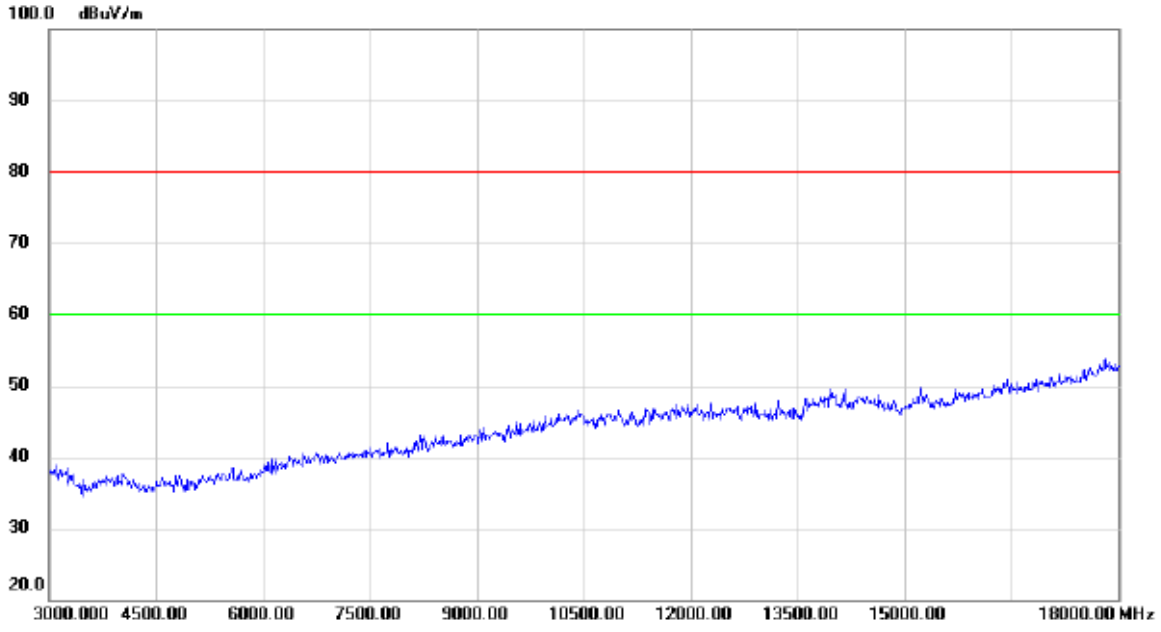
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2457.900	69.50	33.30	102.80	74.00	28.80	peak	No Limit
2	*	2458.300	65.72	33.30	99.02	54.00	45.02	AVG	No Limit
3		2483.500	23.39	33.40	56.79	74.00	-17.21	peak	
4		2483.500	13.38	33.40	46.78	54.00	-7.22	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2457MHz

Horizontal



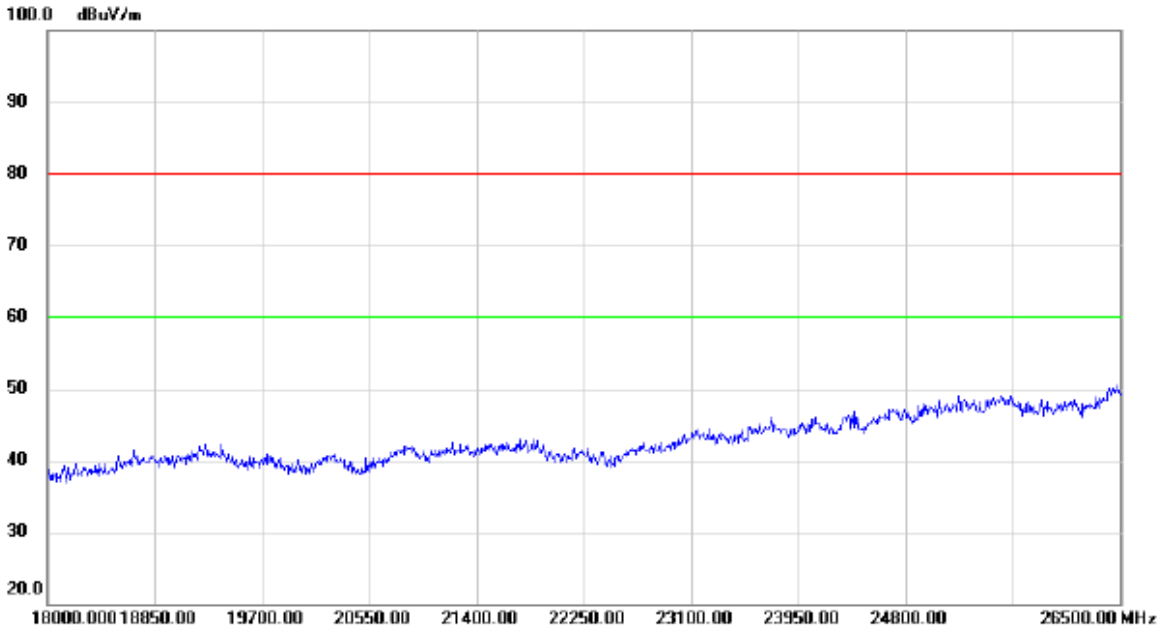
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX B MODE 2457MHz

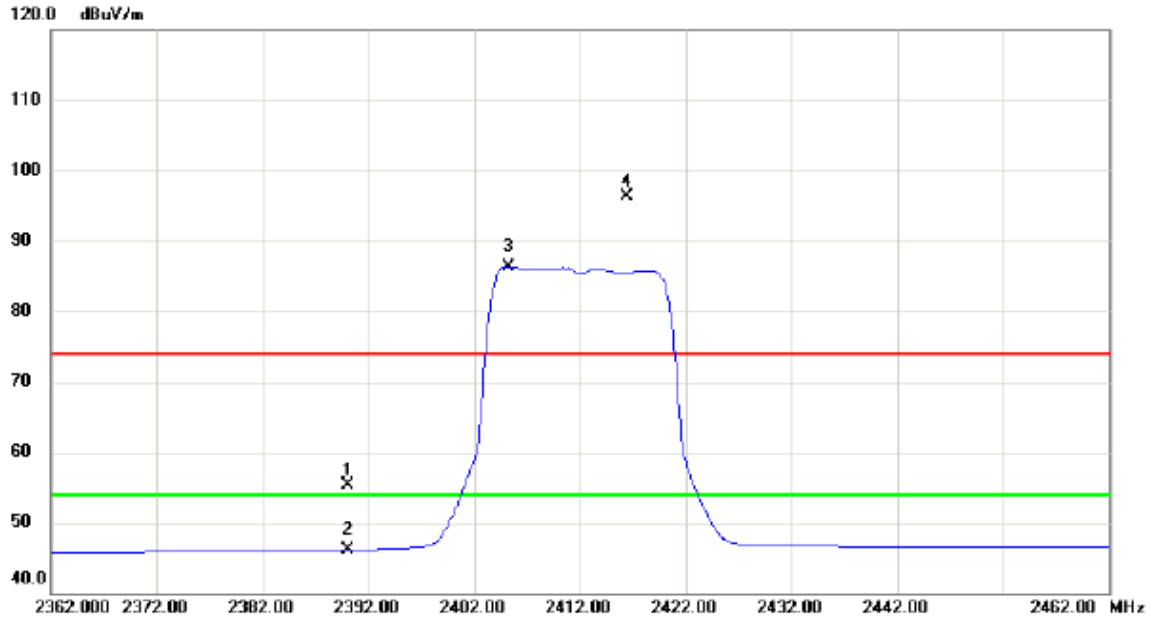
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

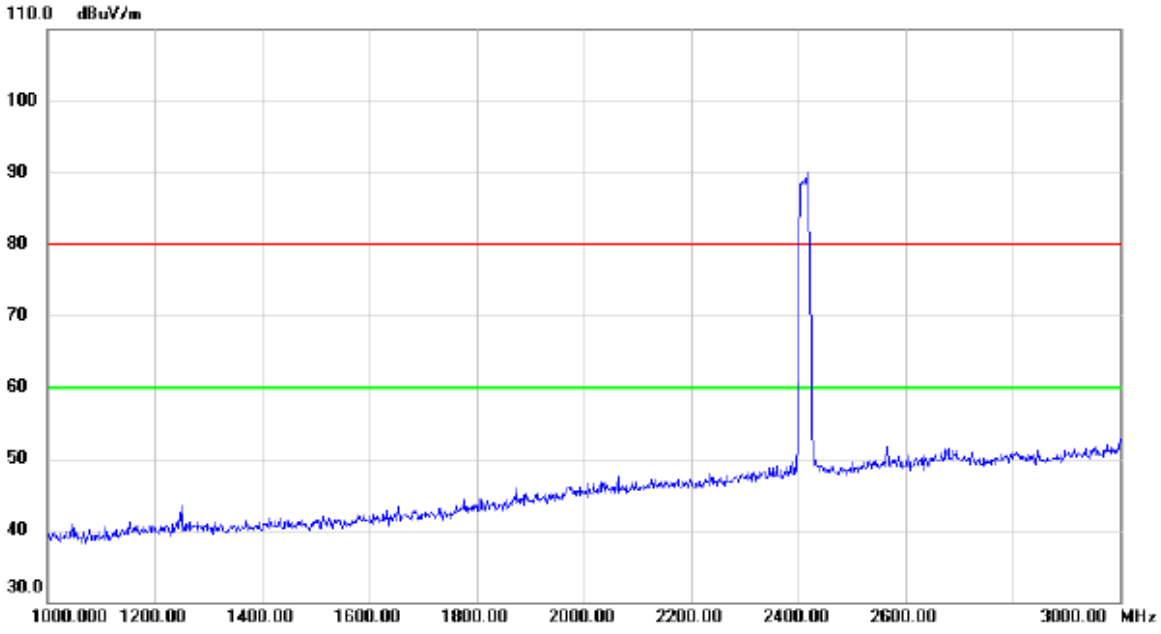
Vertical



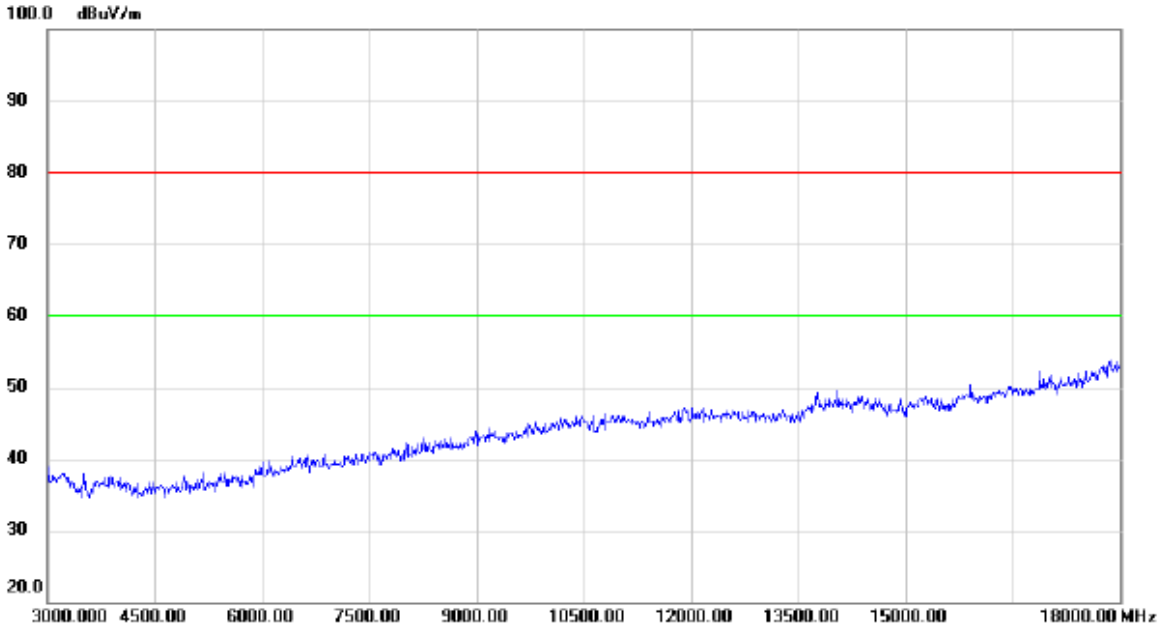
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	22.29	33.01	55.30	74.00	-18.70	peak	
2		2390.000	13.06	33.01	46.07	54.00	-7.93	AVG	
3	*	2405.300	53.29	33.08	86.37	54.00	32.37	AVG	No Limit
4	X	2416.500	63.26	33.12	96.38	74.00	22.38	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

Vertical



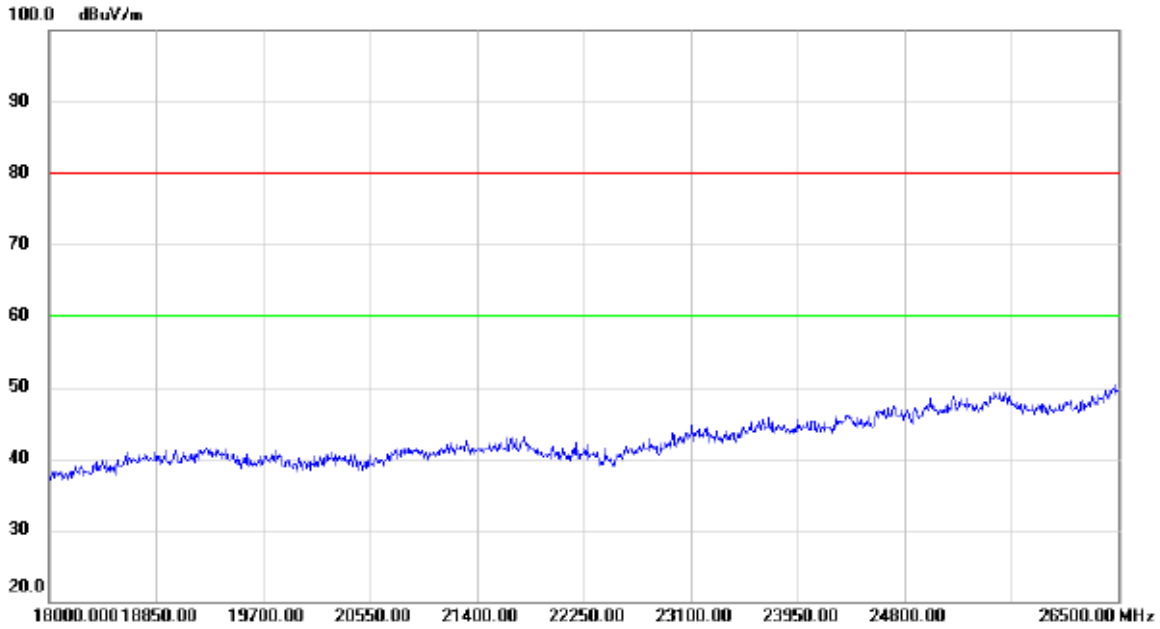
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

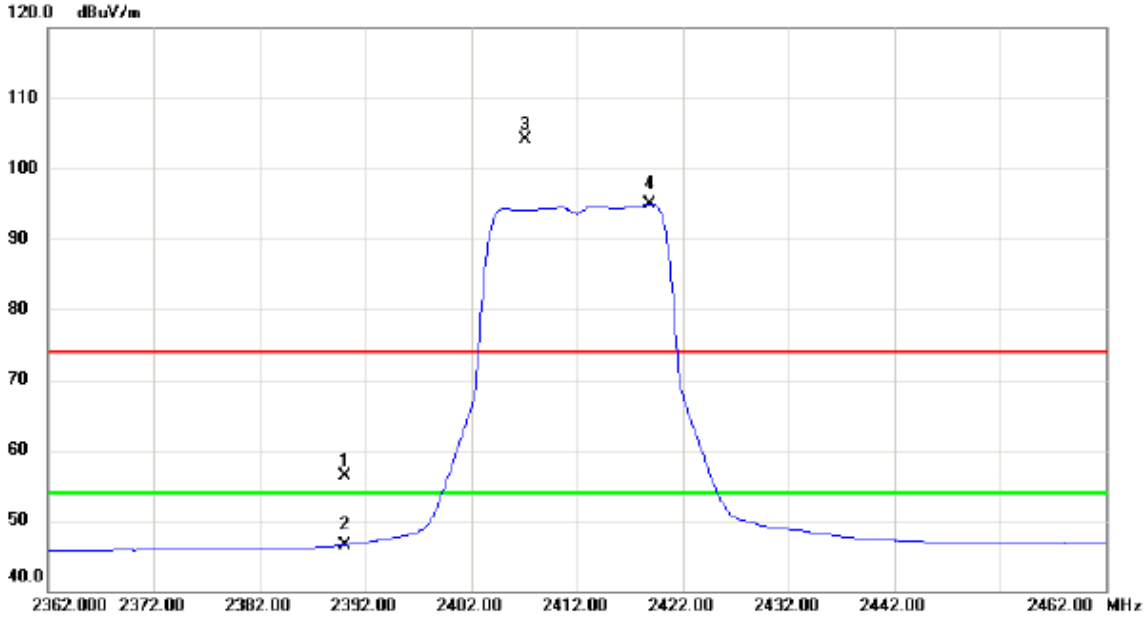
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

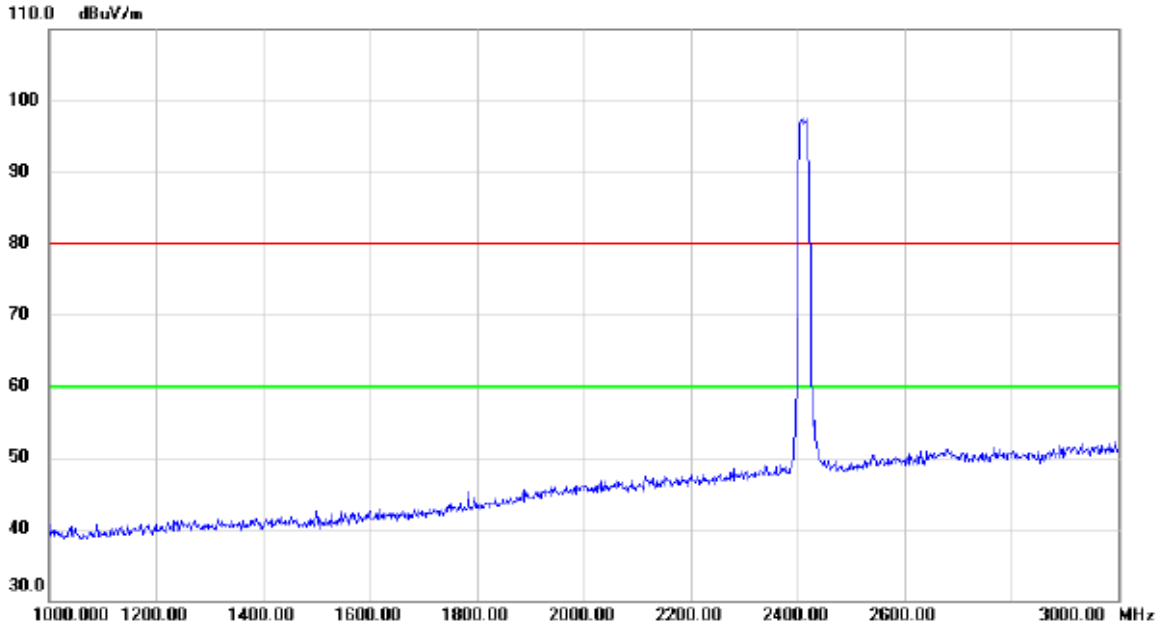
Horizontal



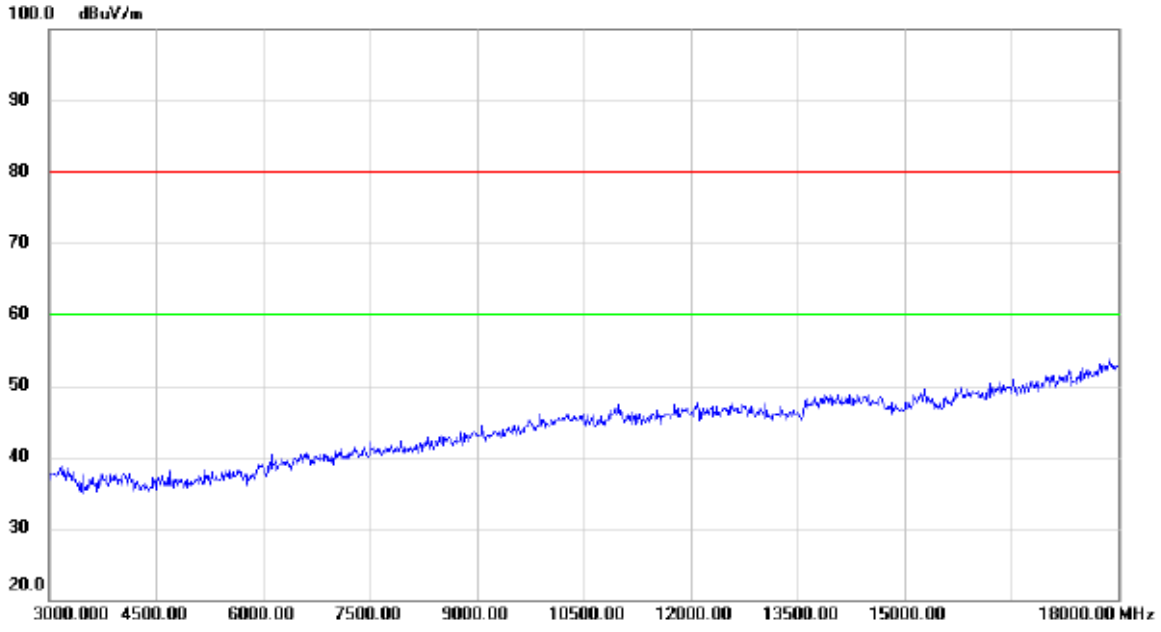
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.35	33.01	56.36	74.00	-17.64	peak	
2		2390.000	13.54	33.01	46.55	54.00	-7.45	AVG	
3	X	2407.100	70.94	33.08	104.02	74.00	30.02	peak	No Limit
4	*	2418.900	61.75	33.13	94.88	54.00	40.88	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

Horizontal



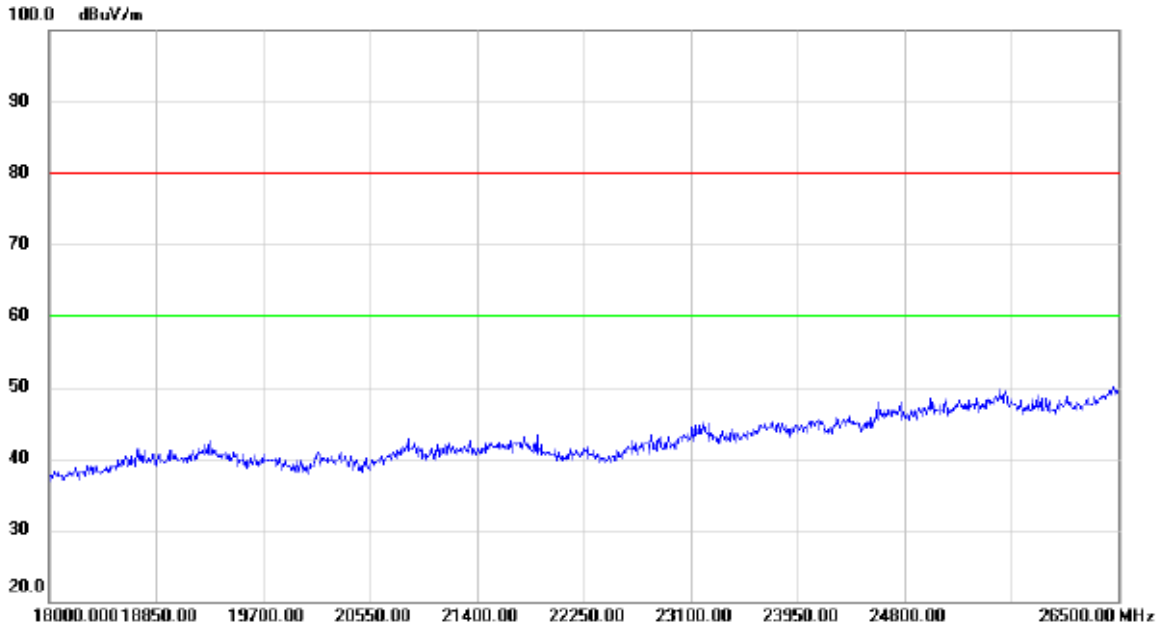
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX G MODE 2412MHz

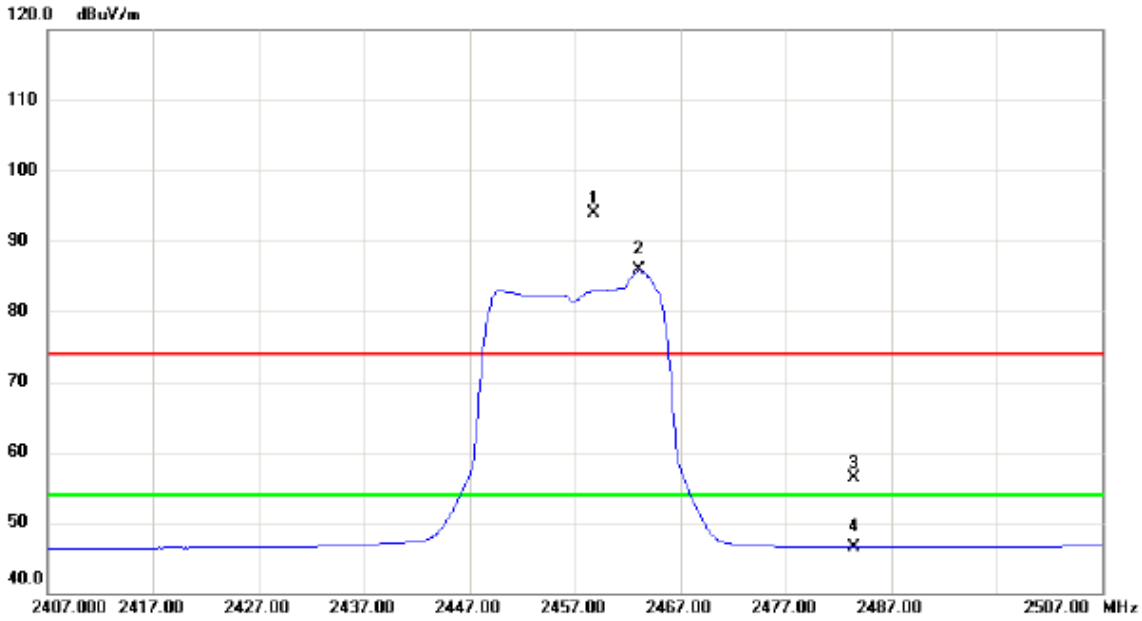
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX G MODE 2457MHz

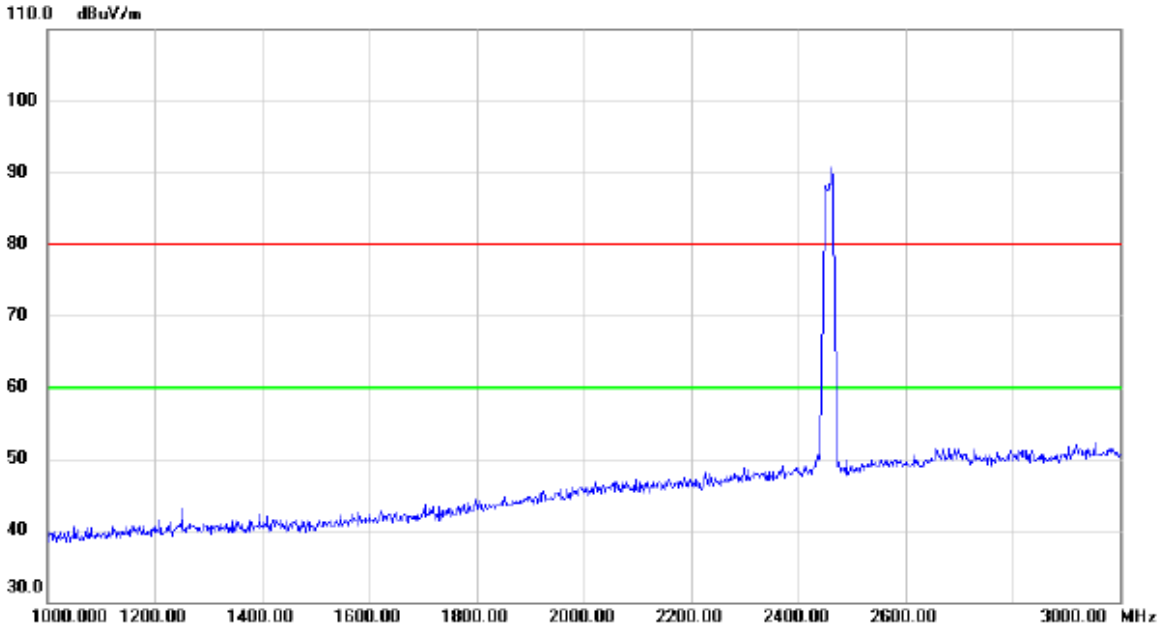
Vertical



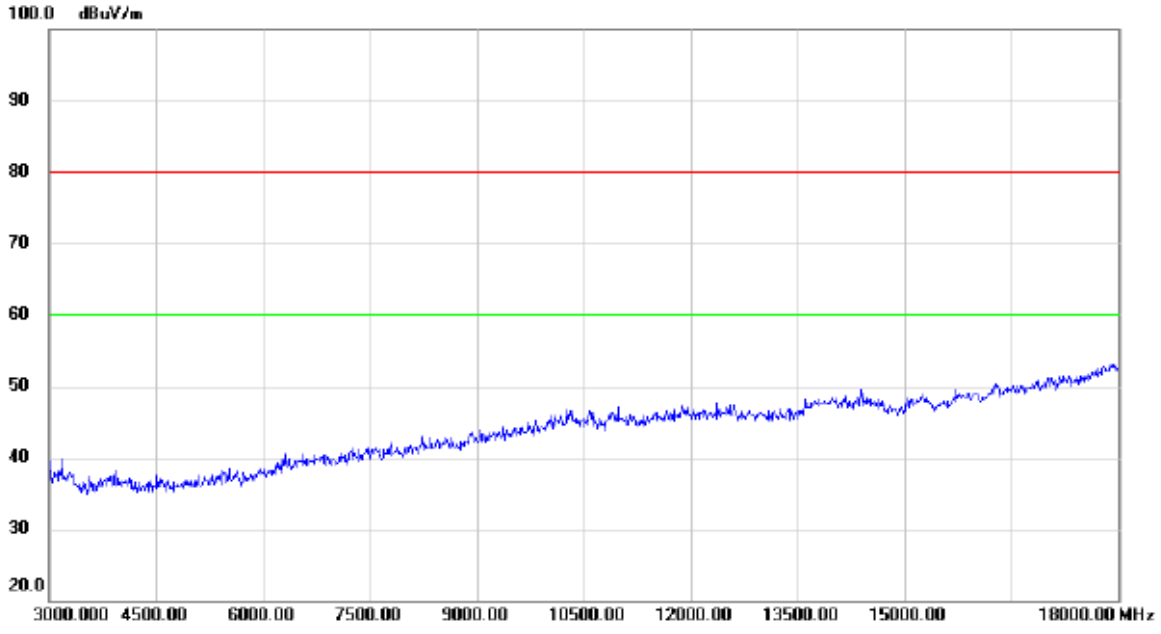
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.800	60.53	33.30	93.83	74.00	19.83	peak	No Limit
2	*	2463.100	52.67	33.31	85.98	54.00	31.98	AVG	No Limit
3		2483.500	22.98	33.40	56.38	74.00	-17.62	peak	
4		2483.500	13.03	33.40	46.43	54.00	-7.57	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2457MHz

Vertical



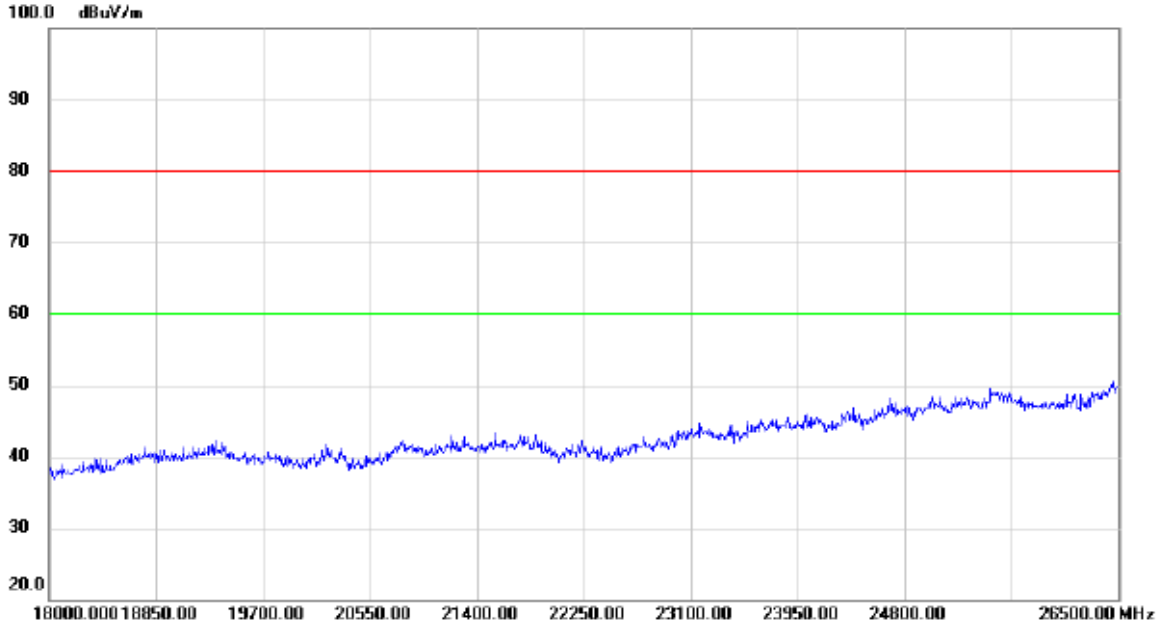
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX G MODE 2457MHz

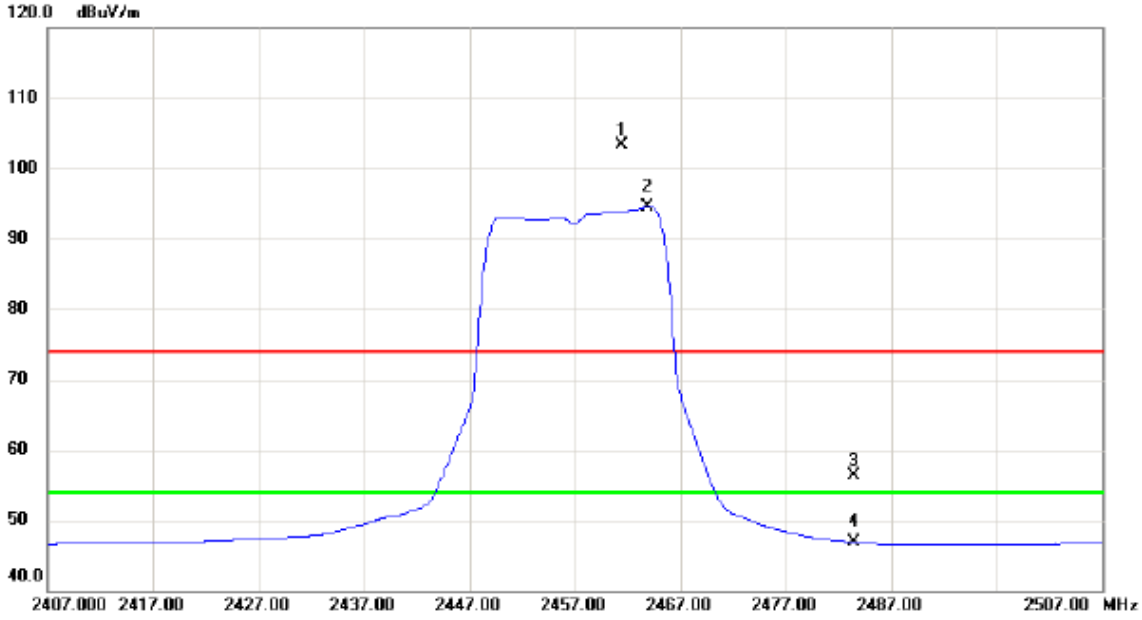
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX G MODE 2457MHz

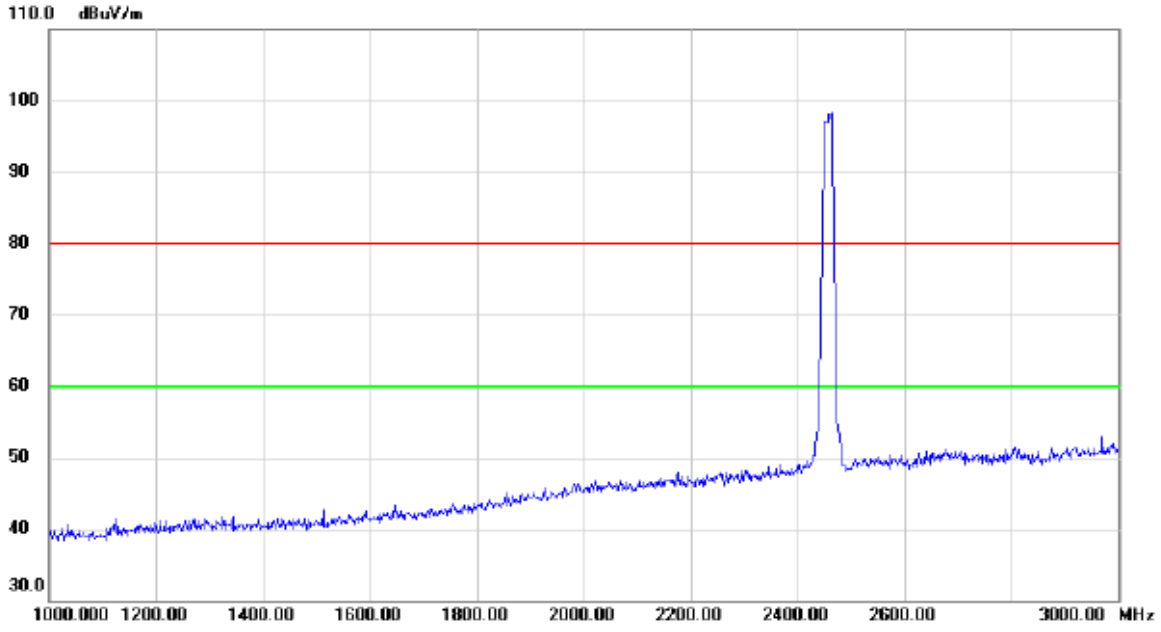
Horizontal



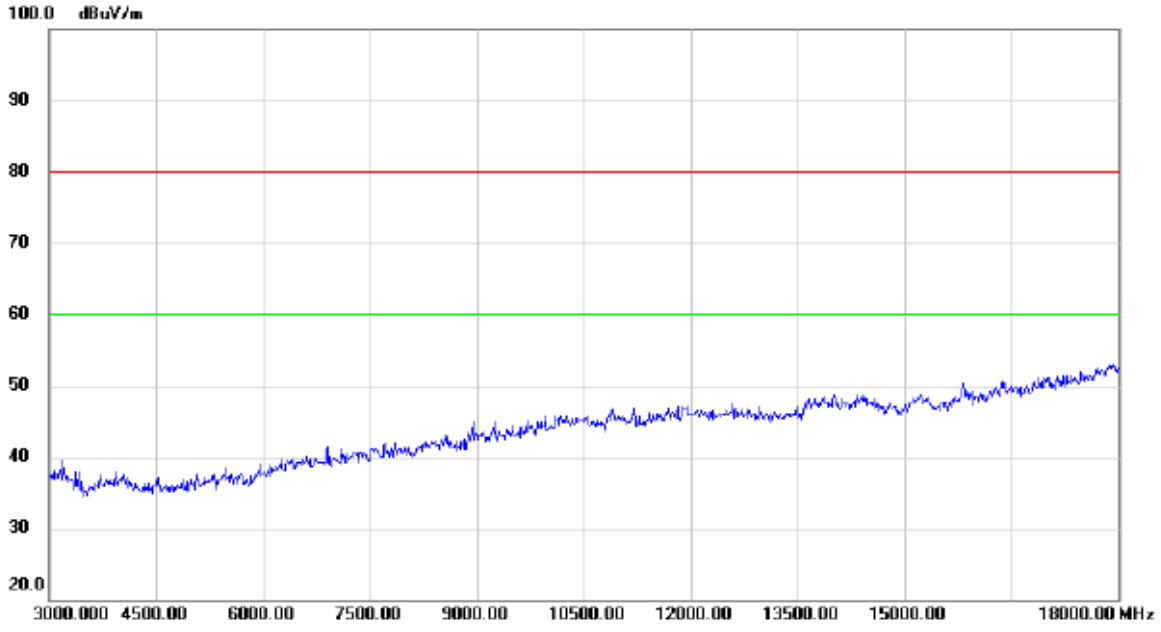
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2461.400	70.08	33.31	103.39	74.00	29.39	peak	No Limit
2	*	2463.900	61.17	33.31	94.48	54.00	40.48	AVG	No Limit
3		2483.500	22.96	33.40	56.36	74.00	-17.64	peak	
4		2483.500	13.43	33.40	46.83	54.00	-7.17	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2457MHz

Horizontal



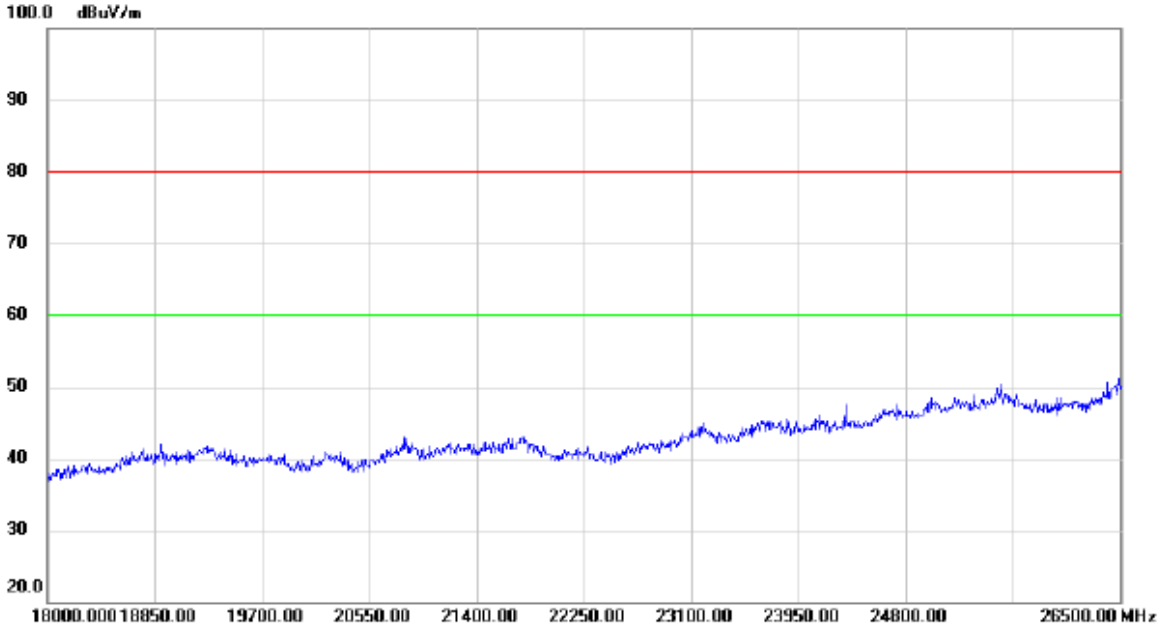
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX G MODE 2457MHz

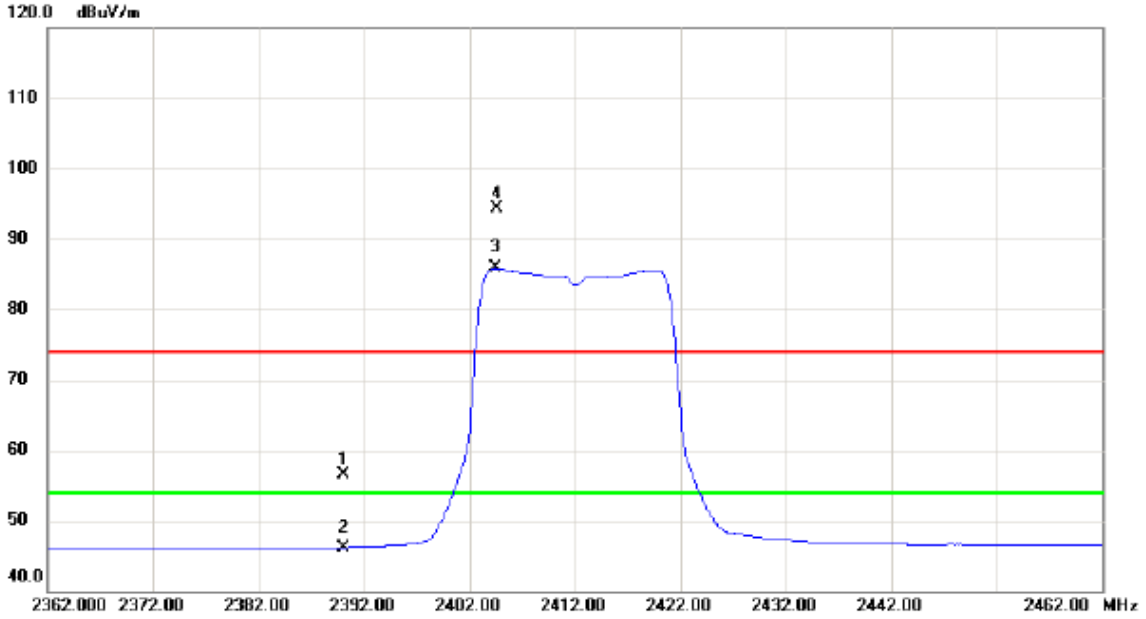
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 1

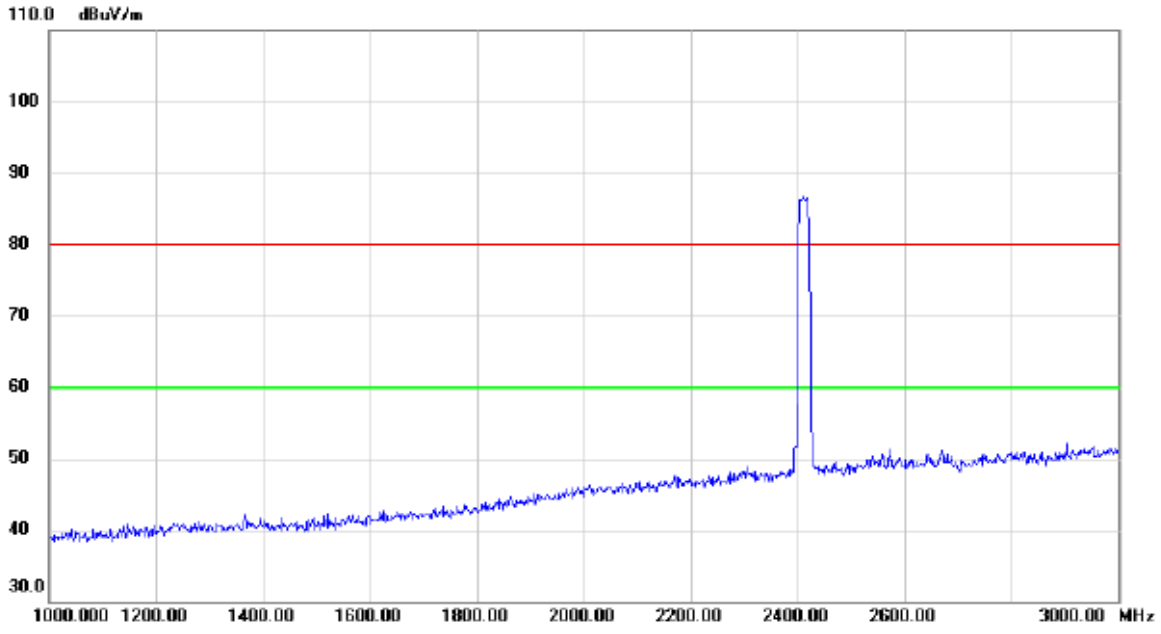
Vertical



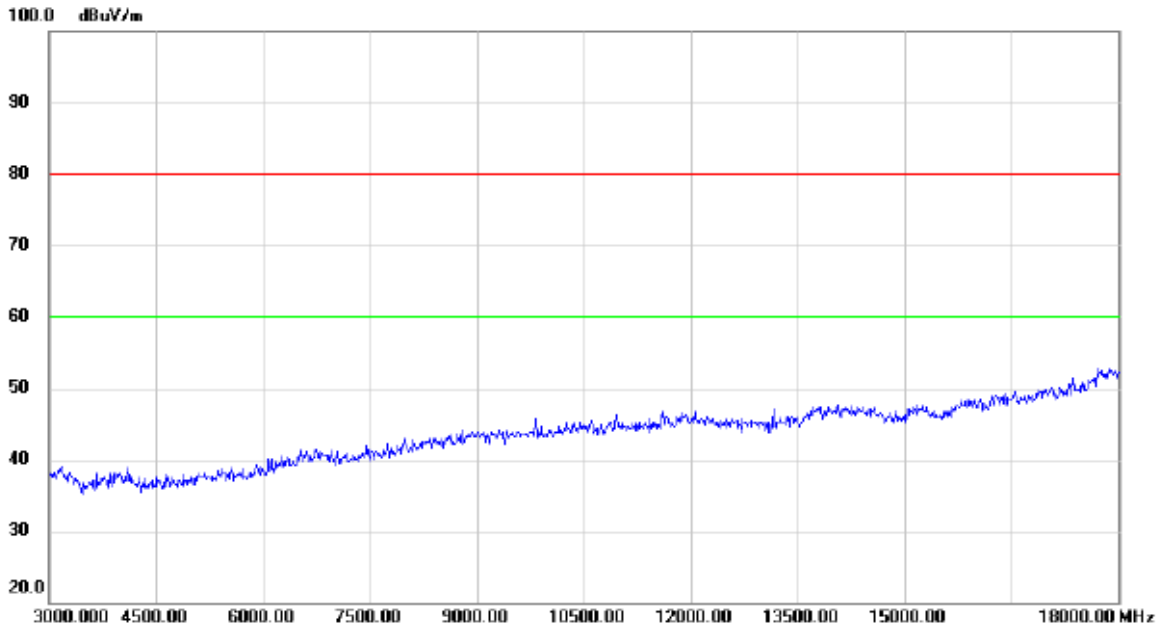
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.49	33.01	56.50	74.00	-17.50	peak	
2		2390.000	13.17	33.01	46.18	54.00	-7.82	AVG	
3	*	2404.500	52.74	33.07	85.81	54.00	31.81	AVG	No Limit
4	X	2404.600	61.27	33.07	94.34	74.00	20.34	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 1

Vertical



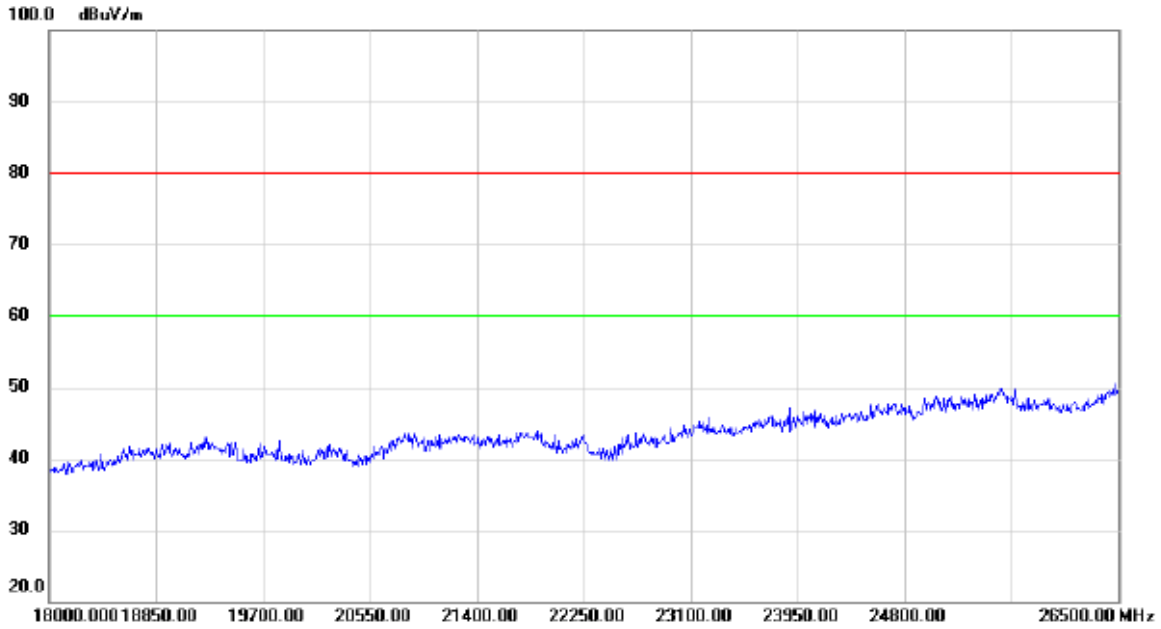
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 1

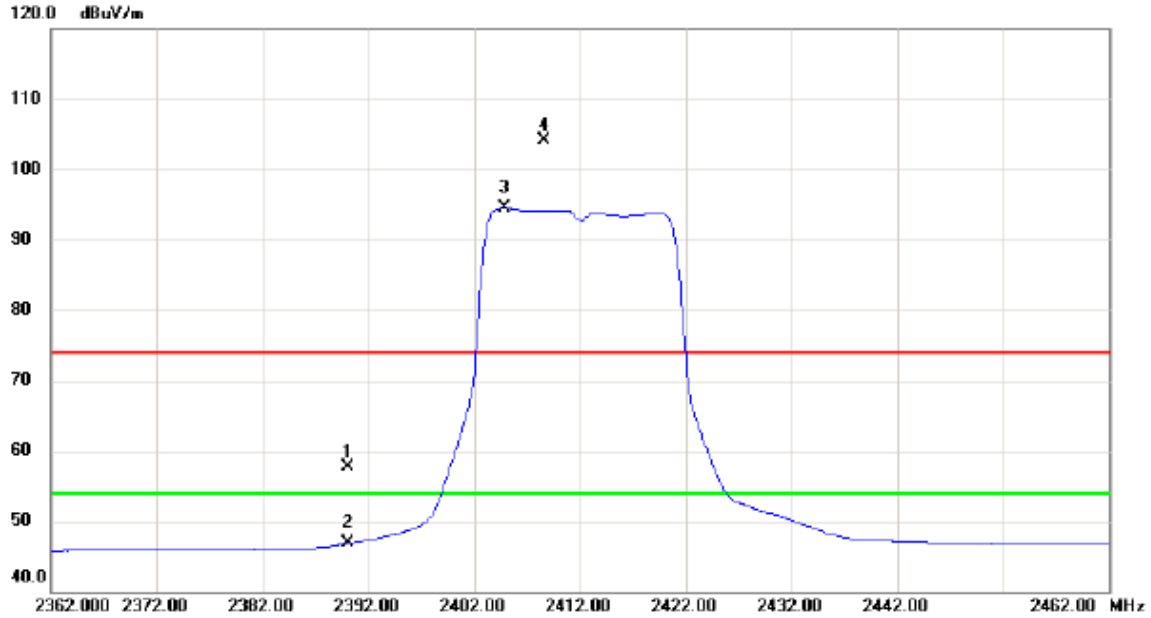
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 1

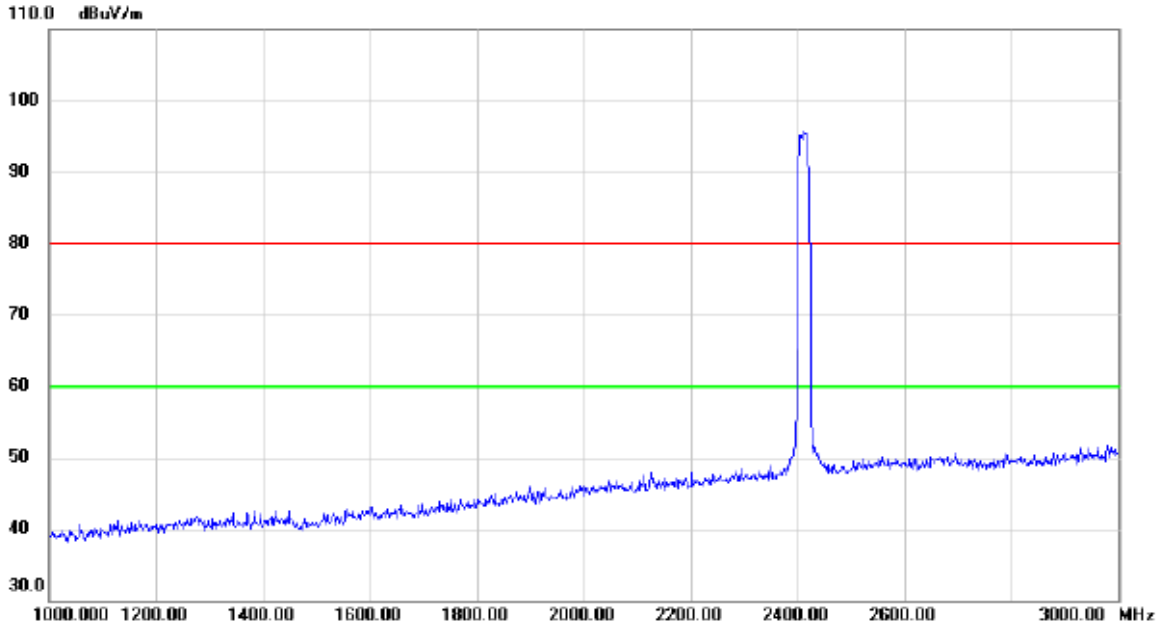
Horizontal



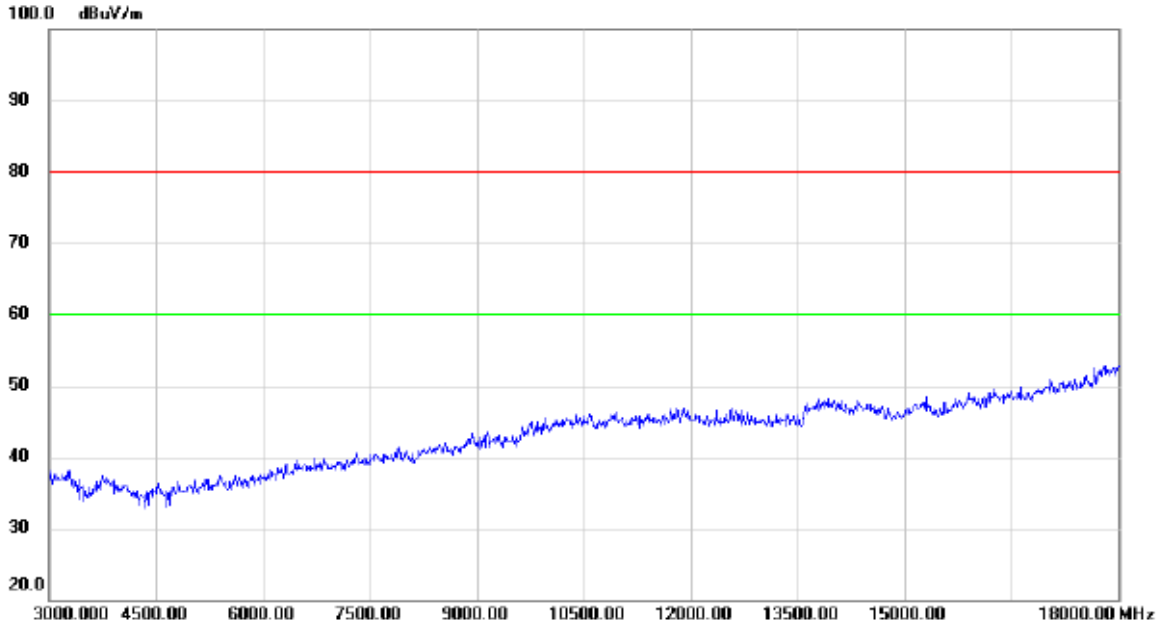
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	24.63	33.01	57.64	74.00	-16.36	peak	
2		2390.000	13.82	33.01	46.83	54.00	-7.17	AVG	
3	*	2404.900	61.39	33.08	94.47	54.00	40.47	AVG	No Limit
4	X	2408.600	71.07	33.09	104.16	74.00	30.16	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 1

Horizontal



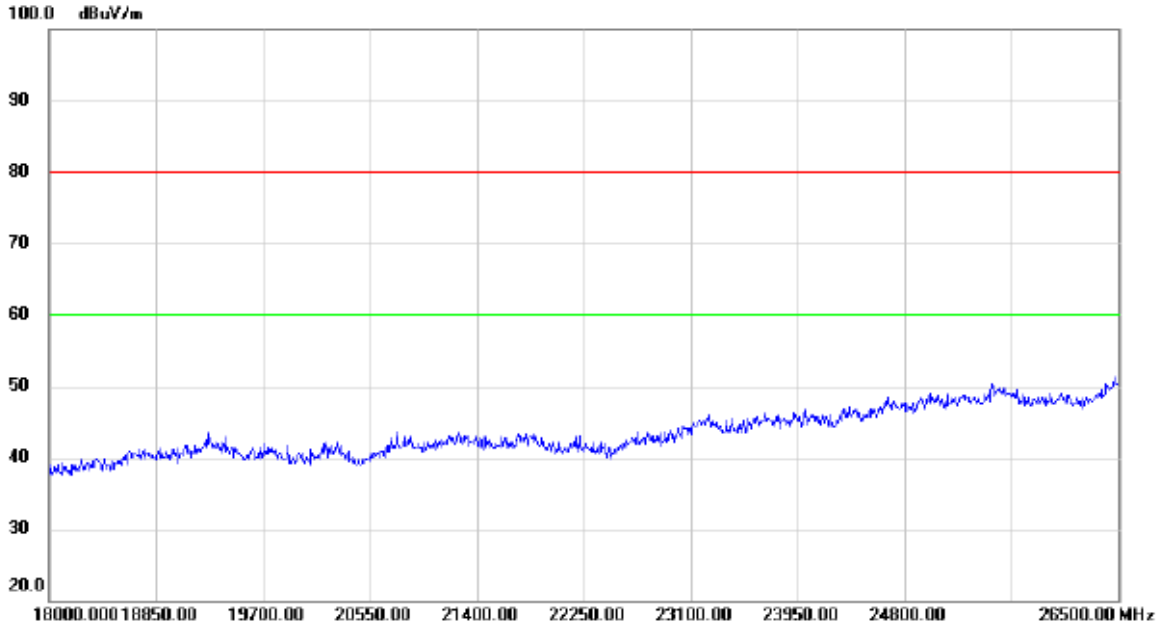
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 1

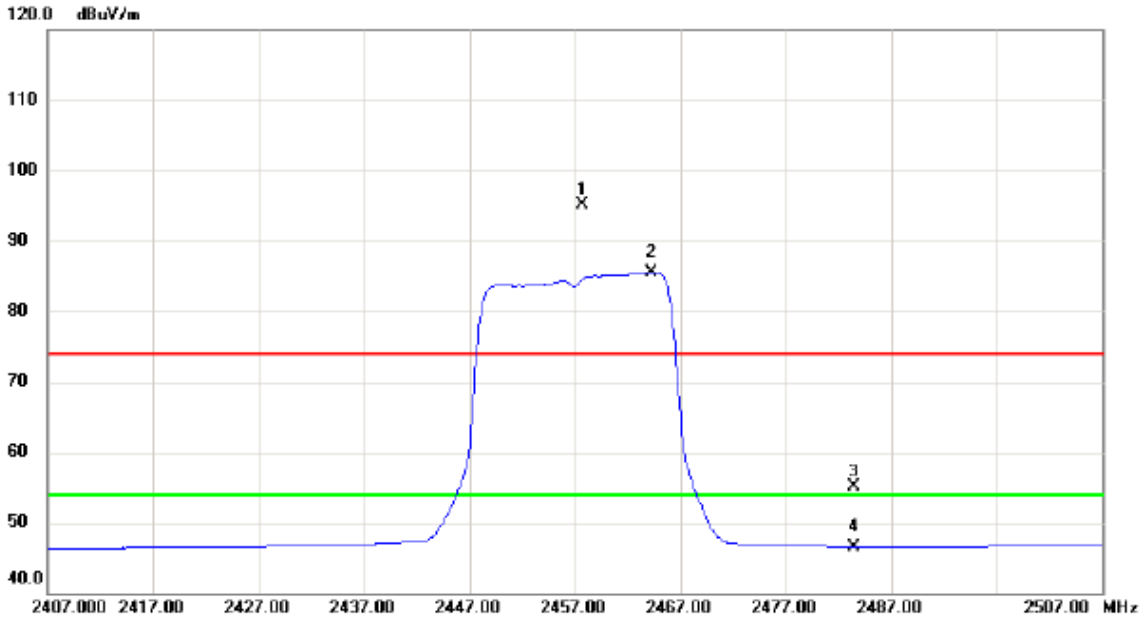
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 1

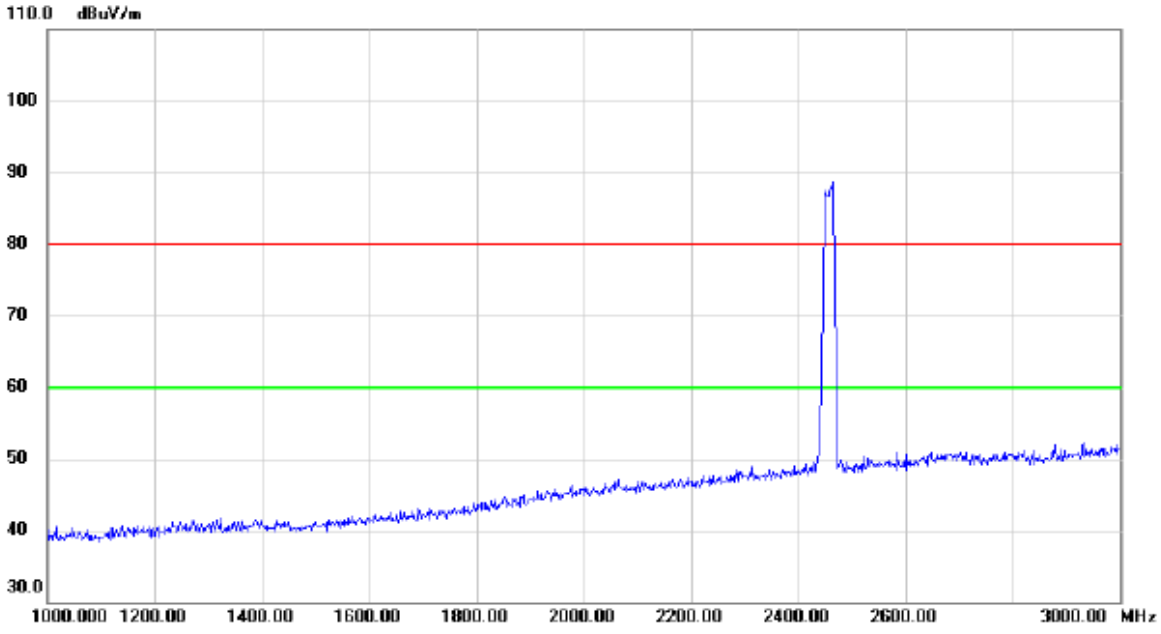
Vertical



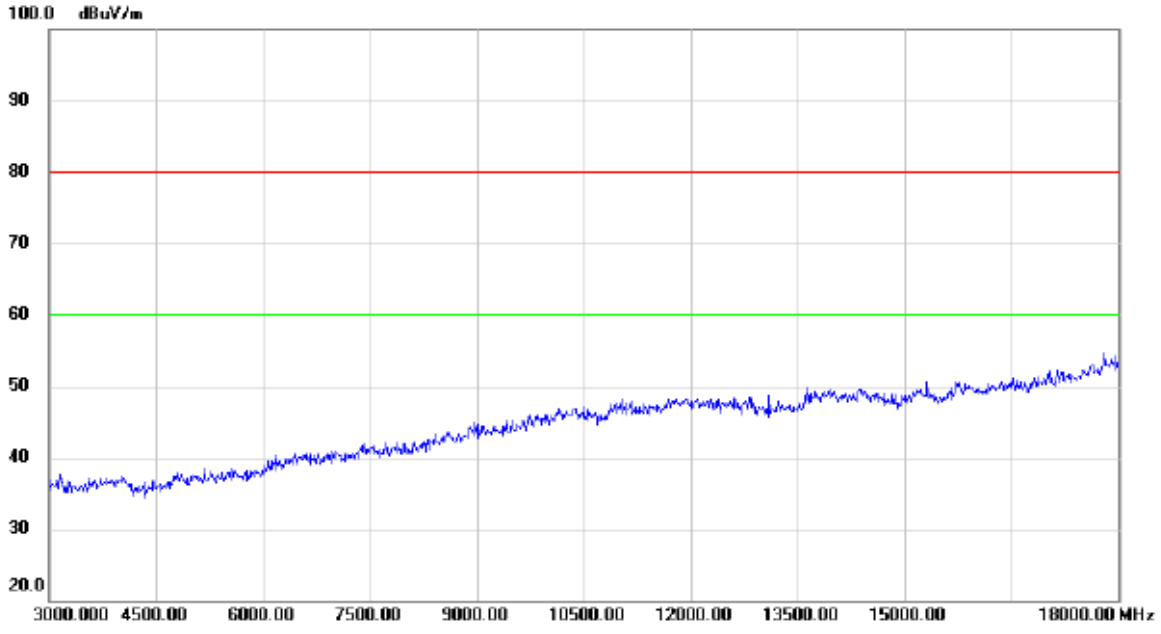
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2457.700	61.90	33.29	95.19	74.00	21.19	peak	No Limit
2	*	2464.300	52.22	33.33	85.55	54.00	31.55	AVG	No Limit
3		2483.500	21.71	33.40	55.11	74.00	-18.89	peak	
4		2483.500	13.16	33.40	46.56	54.00	-7.44	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 1

Vertical



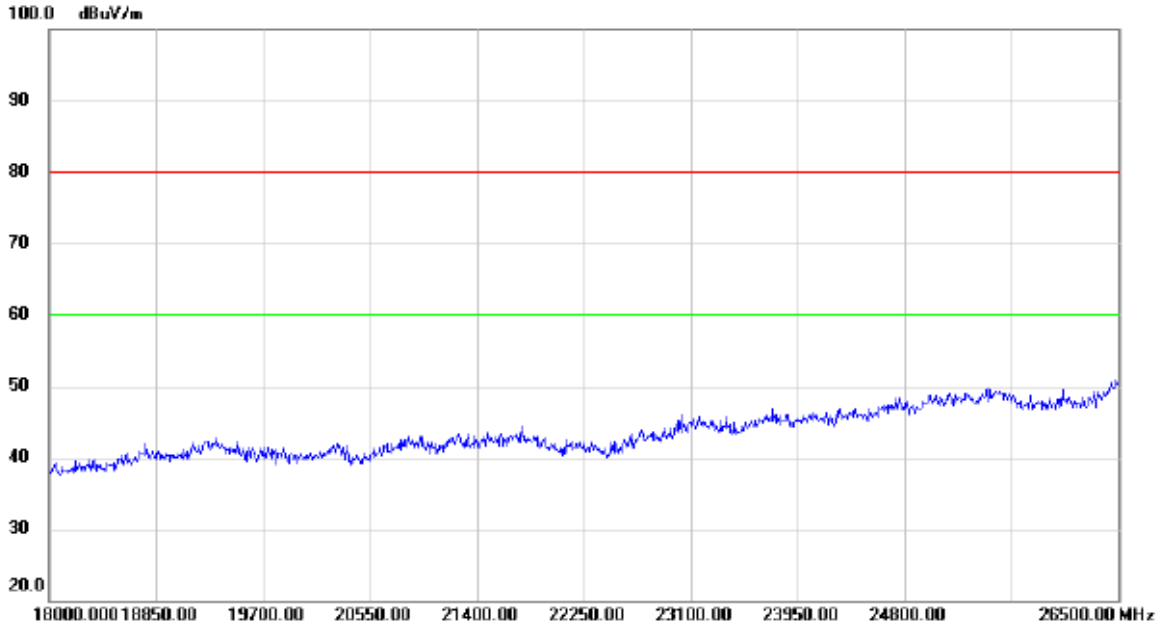
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 1

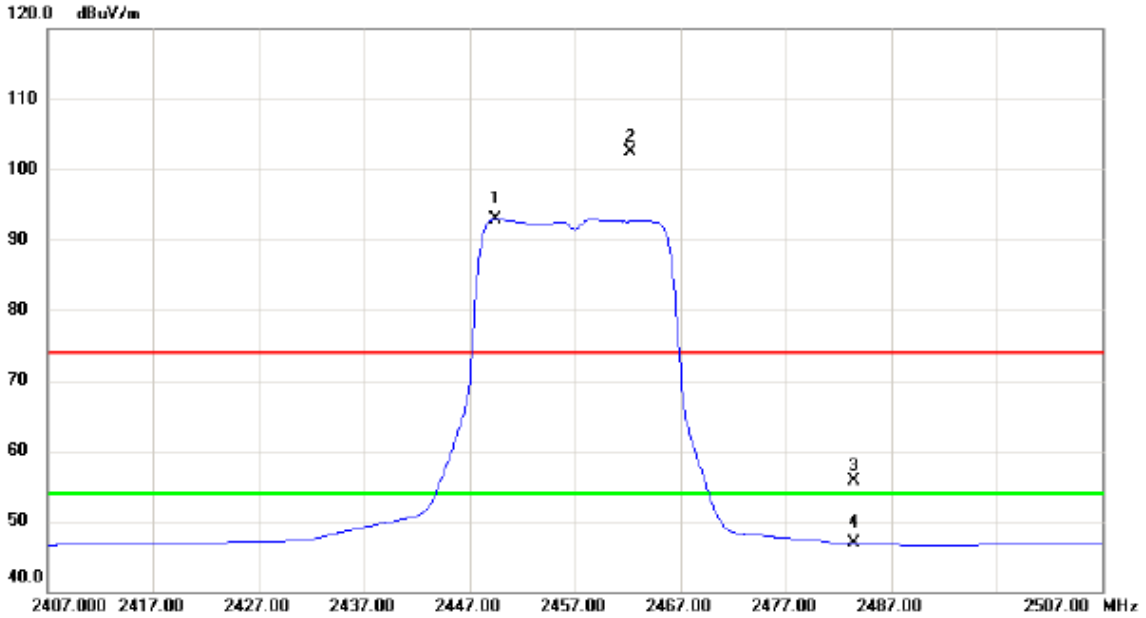
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 1

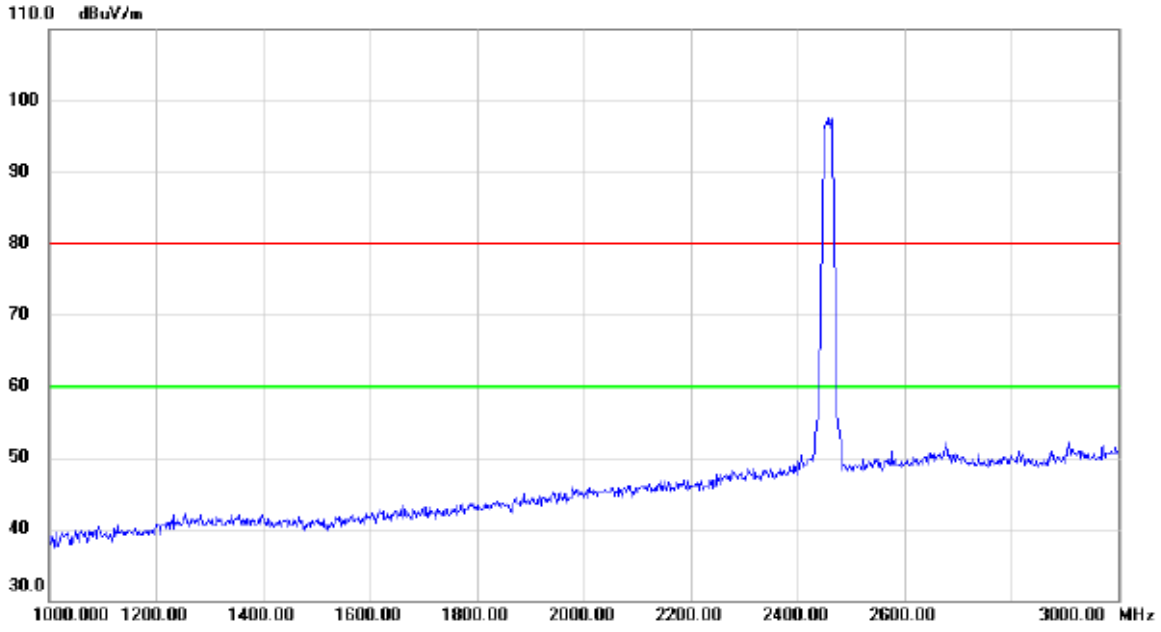
Horizontal



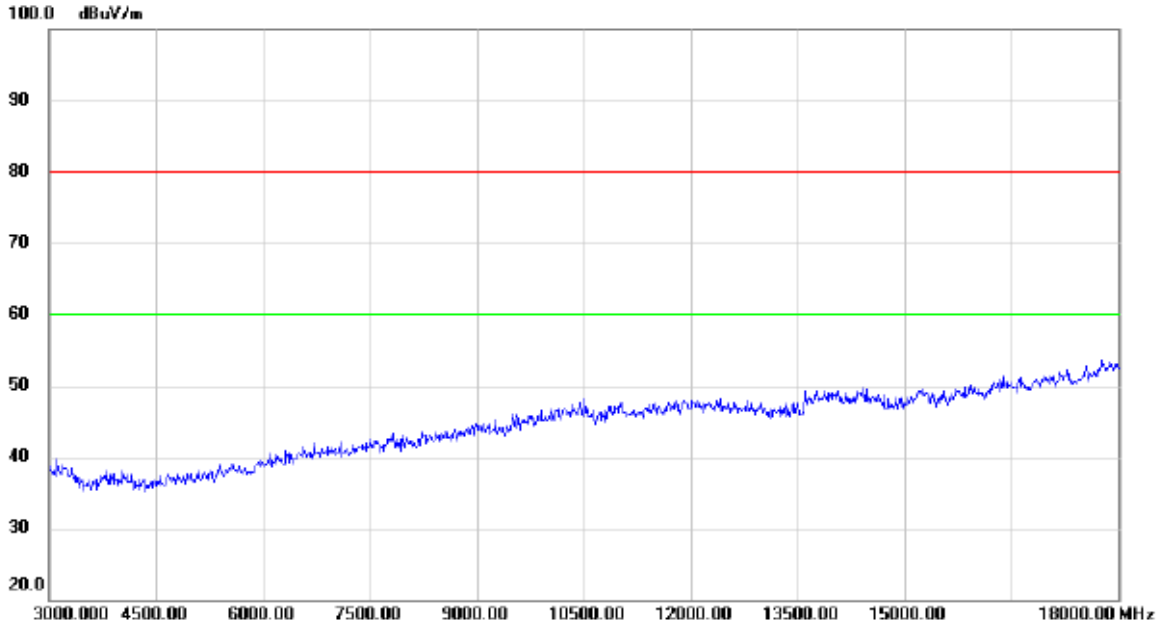
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2449.500	59.70	33.26	92.96	54.00	38.96	AVG	No Limit
2	X	2462.300	69.26	33.31	102.57	74.00	28.57	peak	No Limit
3		2483.500	22.37	33.40	55.77	74.00	-18.23	peak	
4		2483.500	13.42	33.40	46.82	54.00	-7.18	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 1

Horizontal



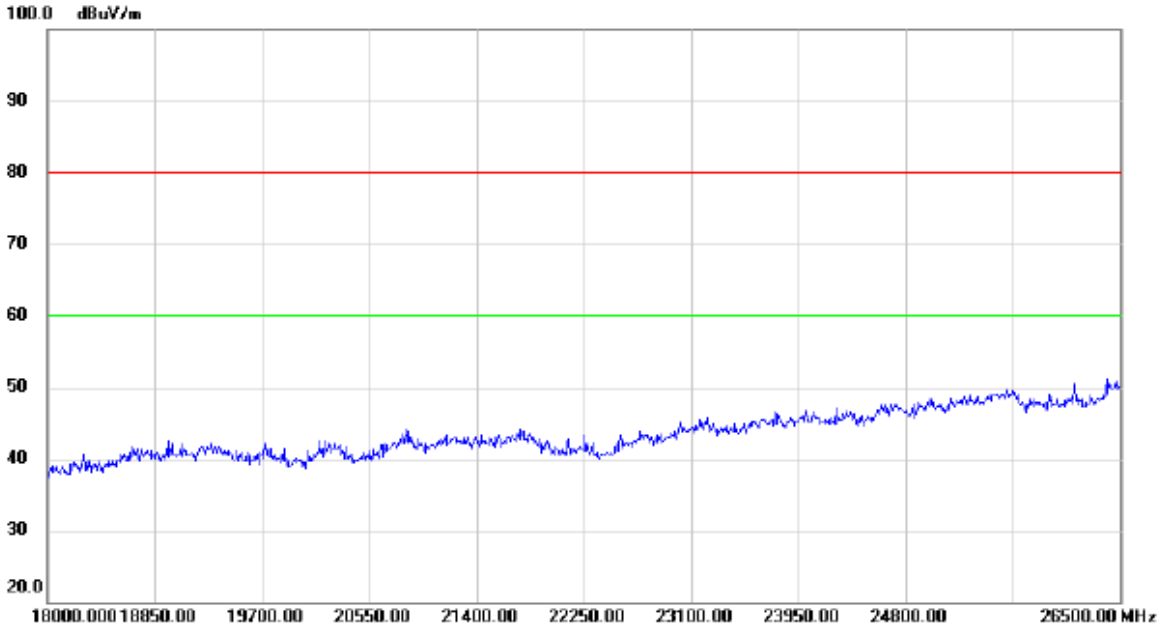
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 1

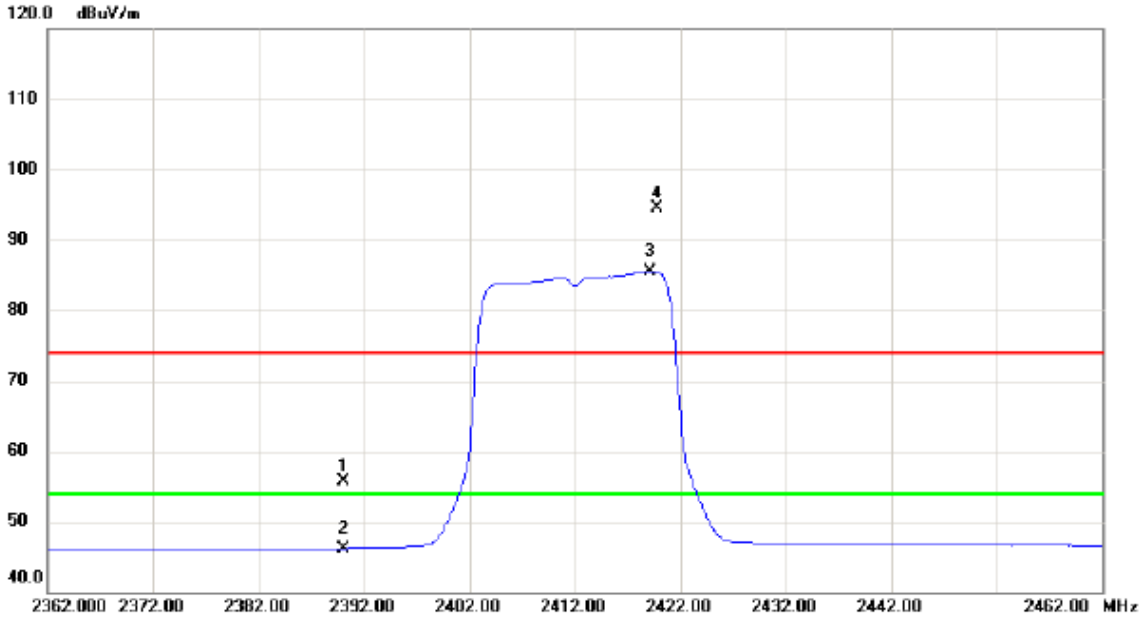
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 2

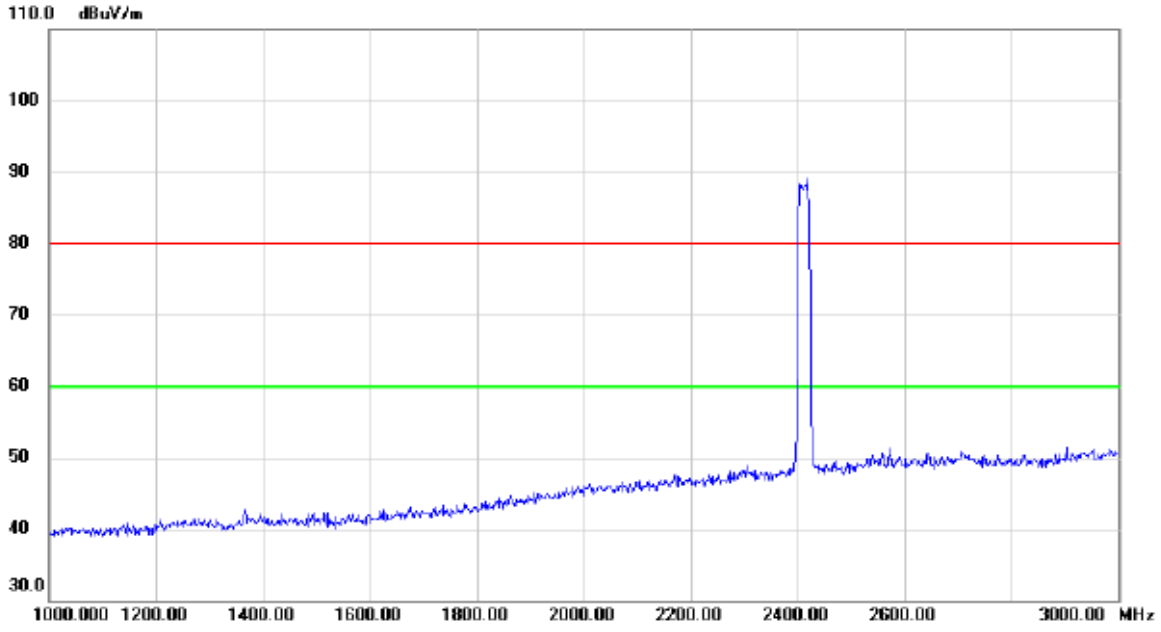
Vertical



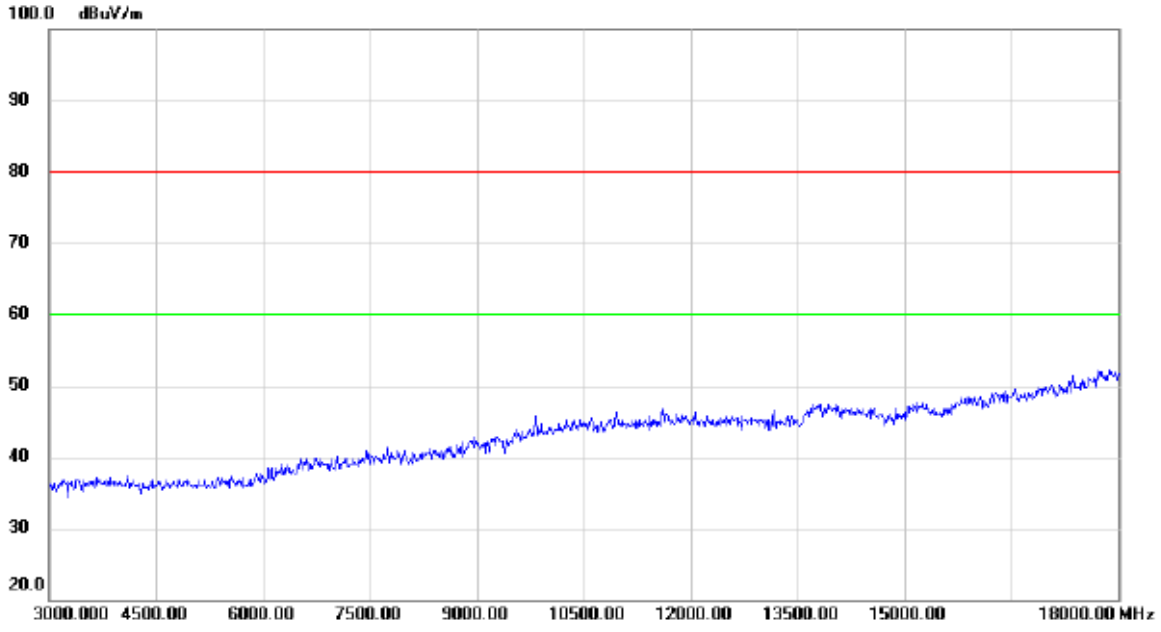
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	22.74	33.01	55.75	74.00	-18.25	peak	
2		2390.000	13.18	33.01	46.19	54.00	-7.81	AVG	
3	*	2419.200	52.36	33.13	85.49	54.00	31.49	AVG	No Limit
4	X	2419.800	61.40	33.13	94.53	74.00	20.53	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 2

Vertical



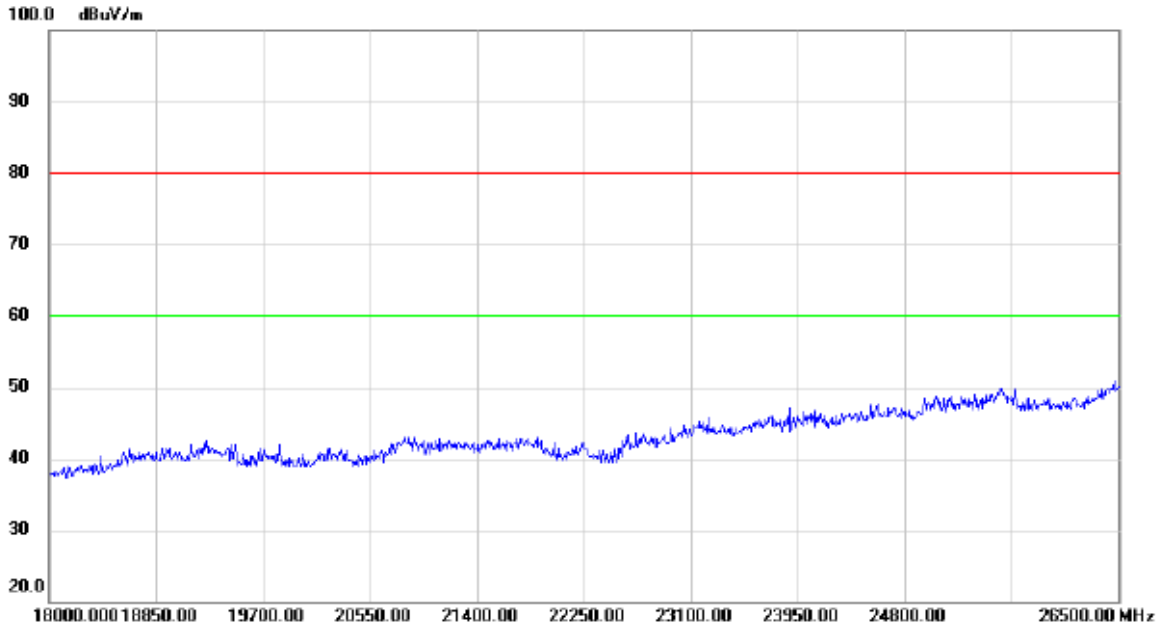
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 2

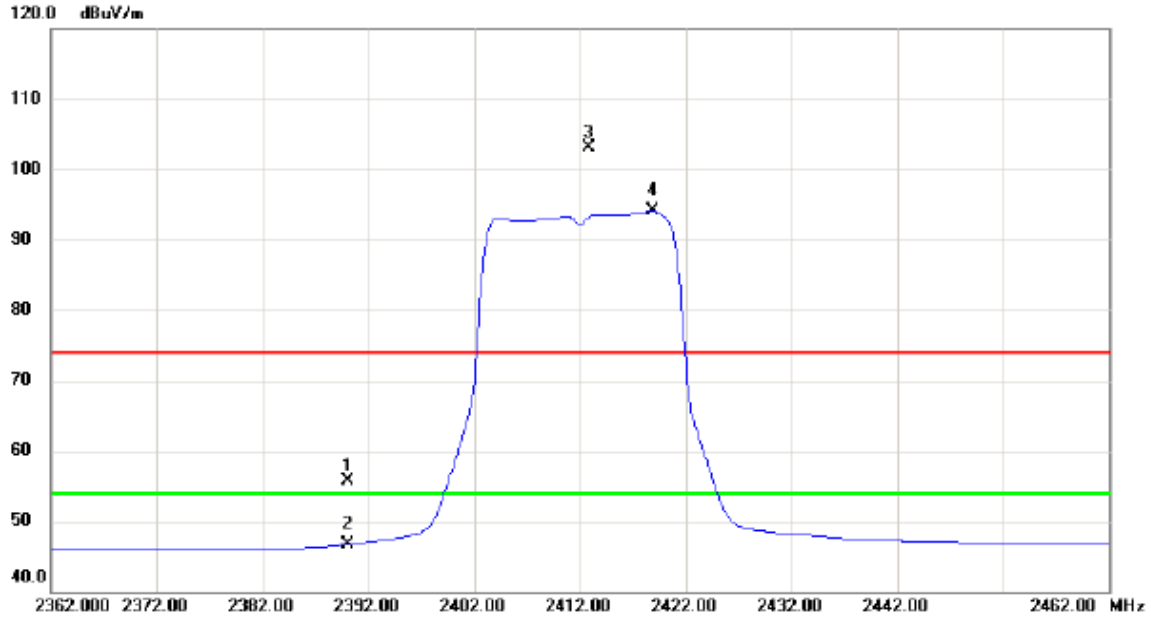
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 2

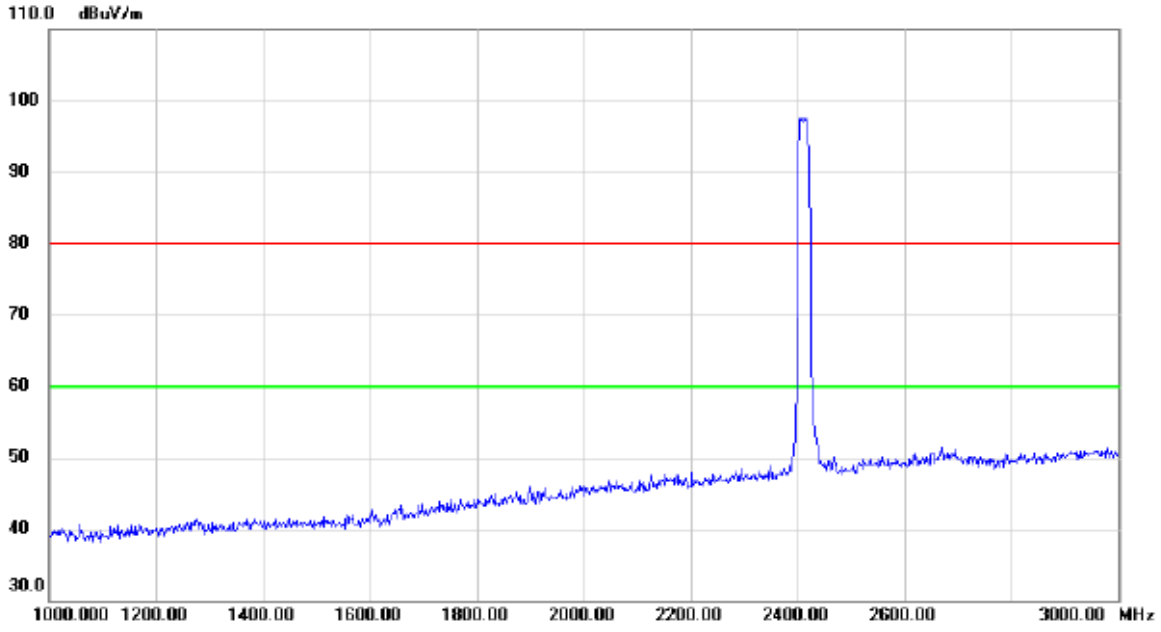
Horizontal



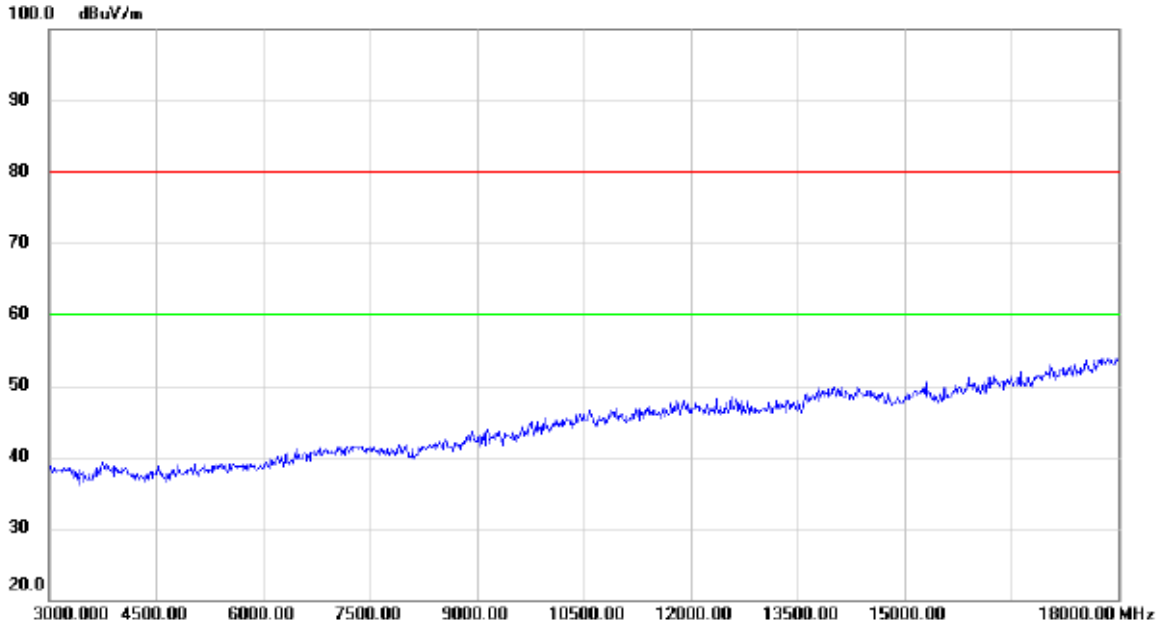
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	22.76	33.01	55.77	74.00	-18.23	peak	
2		2390.000	13.69	33.01	46.70	54.00	-7.30	AVG	
3	X	2412.900	70.09	33.10	103.19	74.00	29.19	peak	No Limit
4	*	2418.800	60.94	33.13	94.07	54.00	40.07	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 2

Horizontal



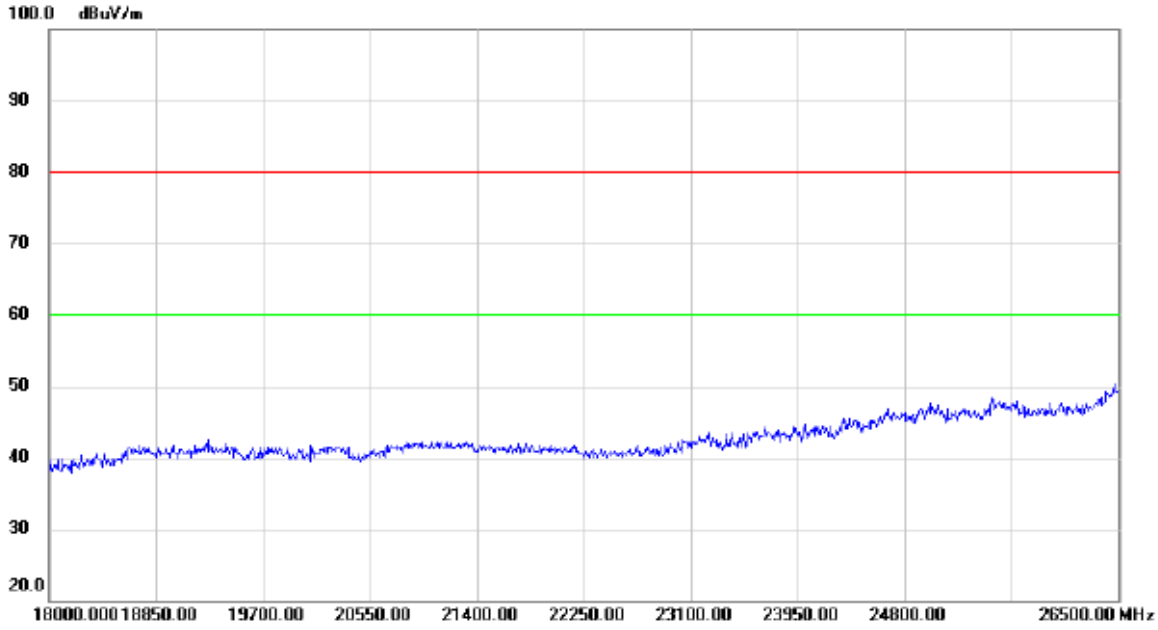
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_ANT 2

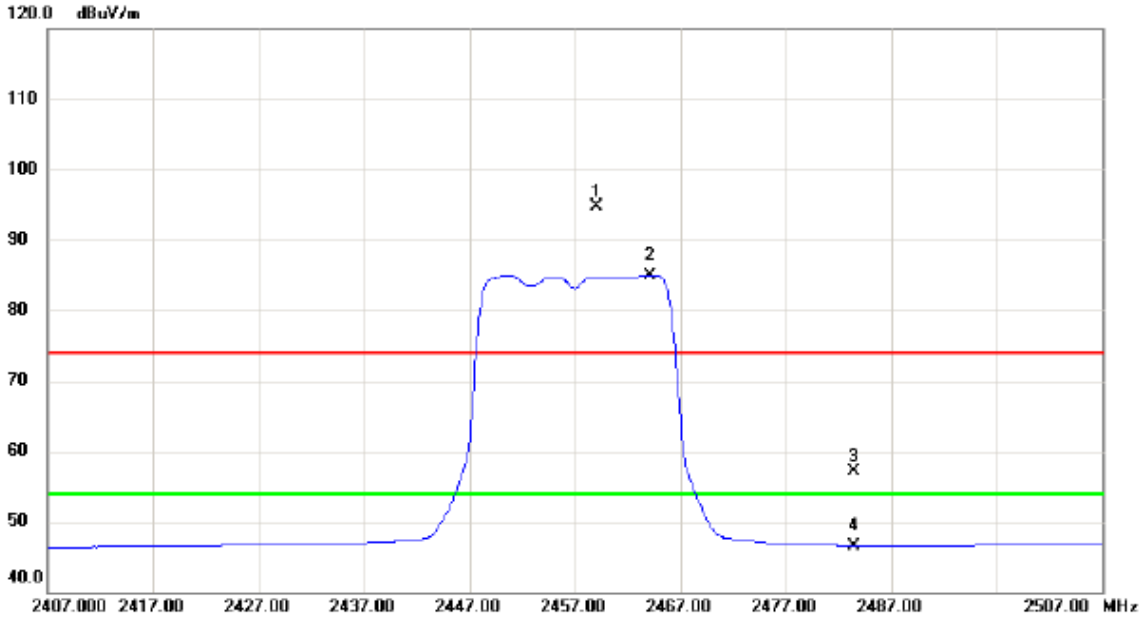
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 2

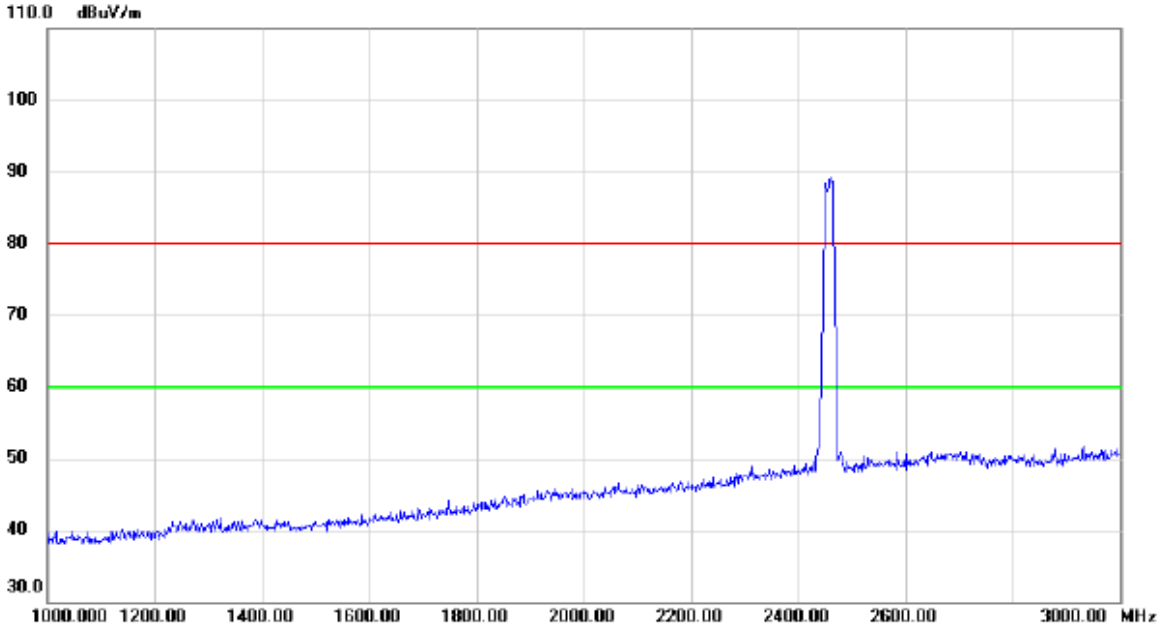
Vertical



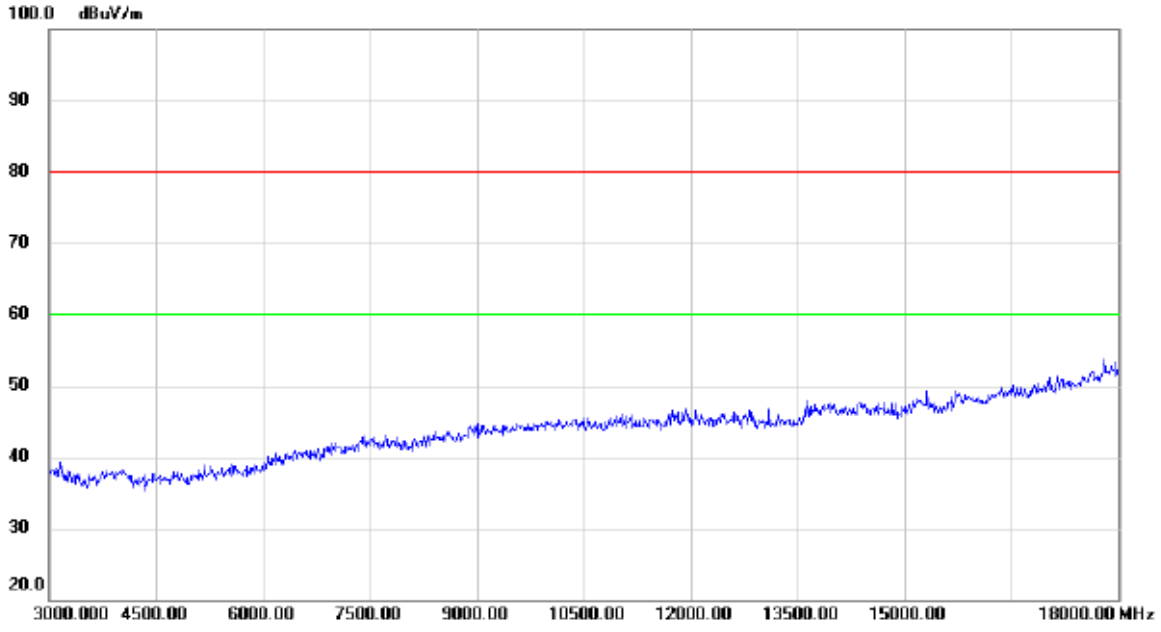
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2459.000	61.45	33.30	94.75	74.00	20.75	peak	No Limit
2	*	2464.100	51.66	33.32	84.98	54.00	30.98	AVG	No Limit
3		2483.500	23.61	33.40	57.01	74.00	-16.99	peak	
4		2483.500	13.18	33.40	46.58	54.00	-7.42	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 2

Vertical



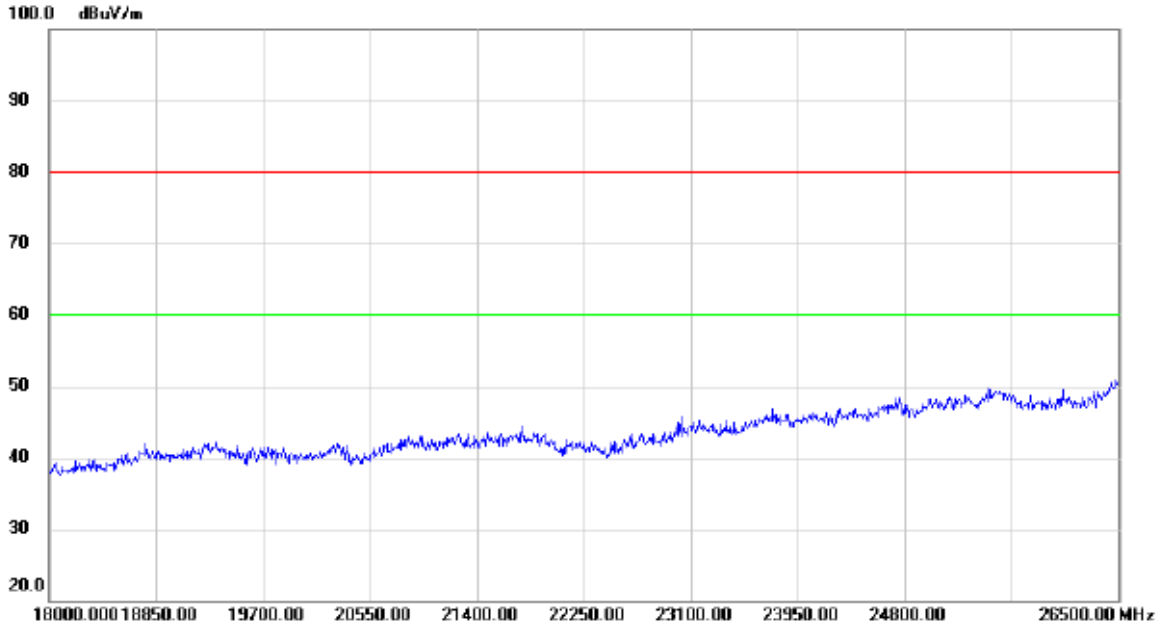
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 2

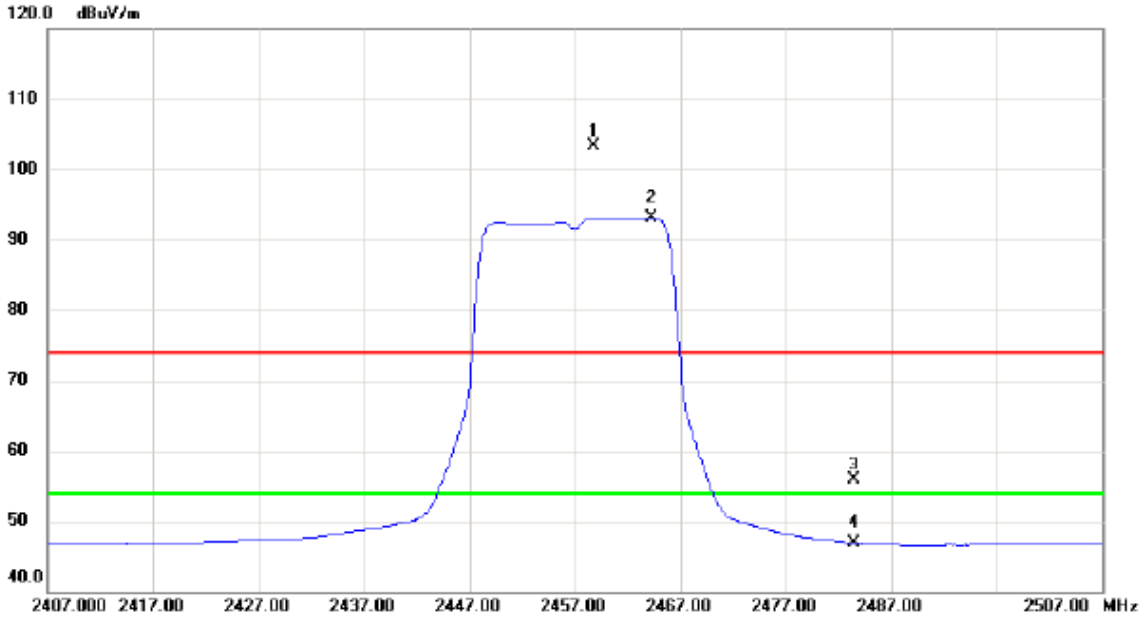
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 2

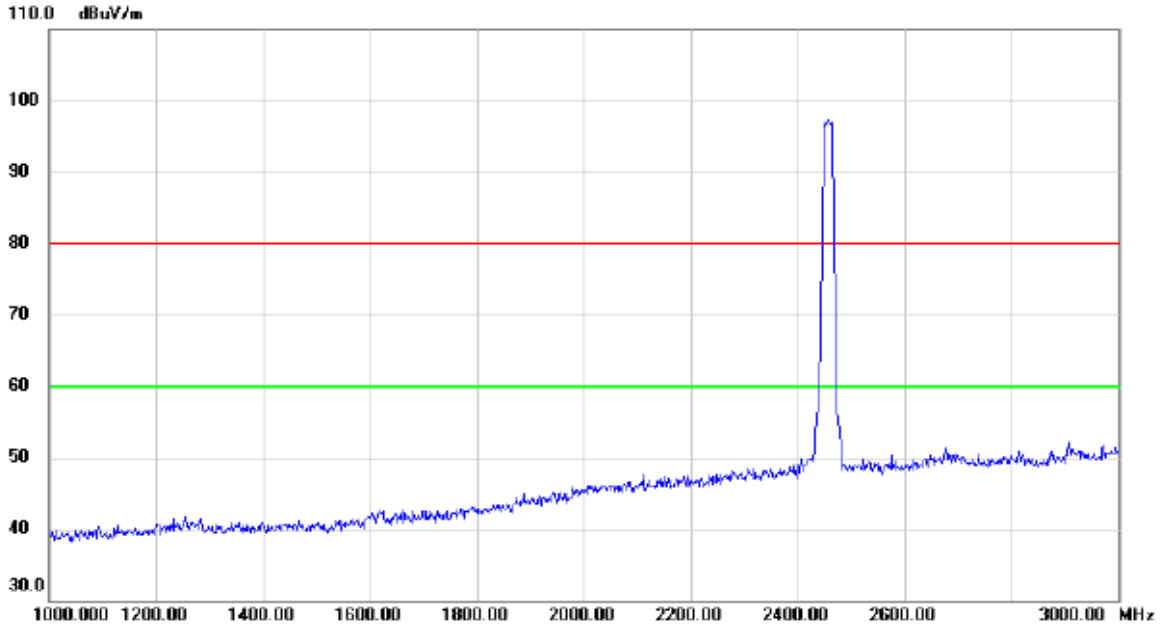
Horizontal



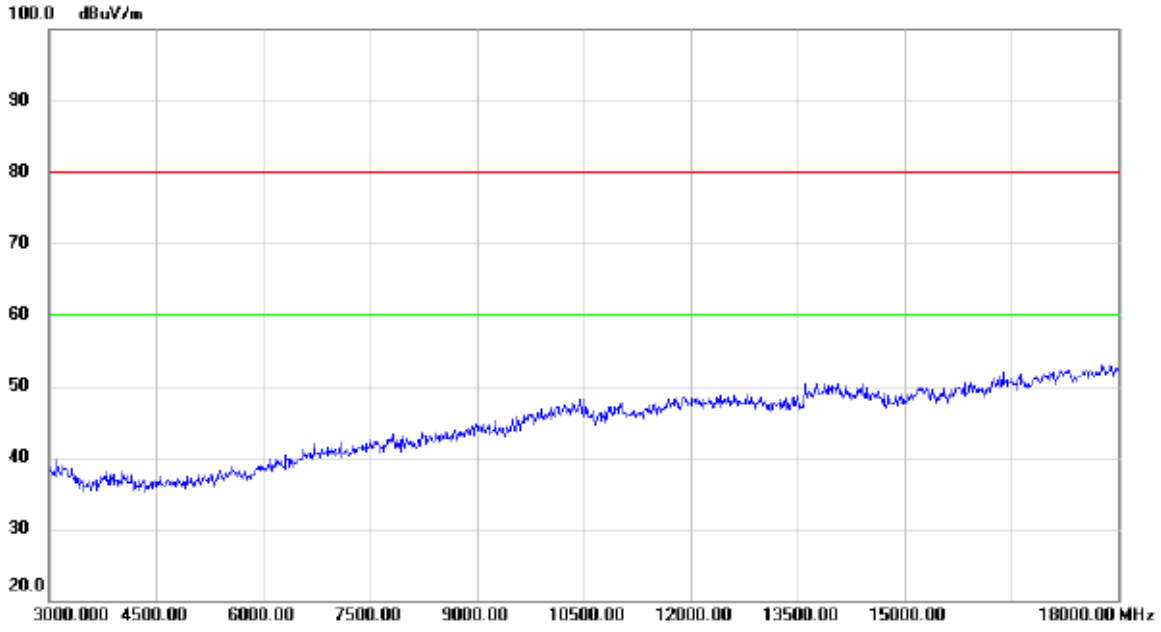
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2458.800	70.02	33.30	103.32	74.00	29.32	peak	No Limit
2	*	2464.300	59.76	33.33	93.09	54.00	39.09	AVG	No Limit
3		2483.500	22.56	33.40	55.96	74.00	-18.04	peak	
4		2483.500	13.48	33.40	46.88	54.00	-7.12	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 2

Horizontal



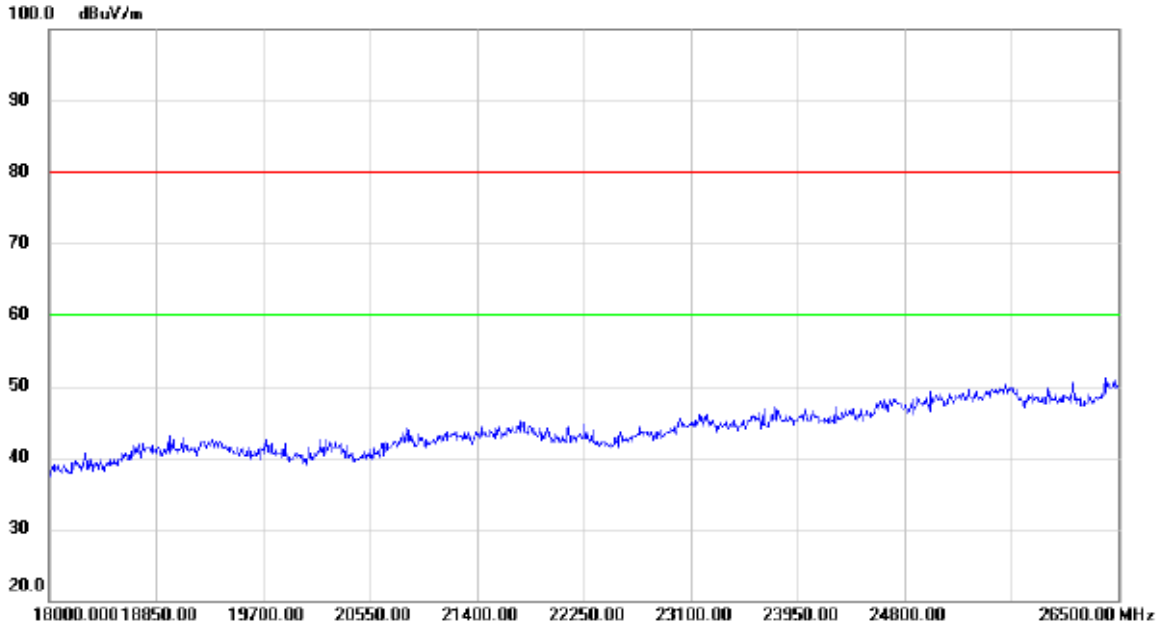
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_ANT 2

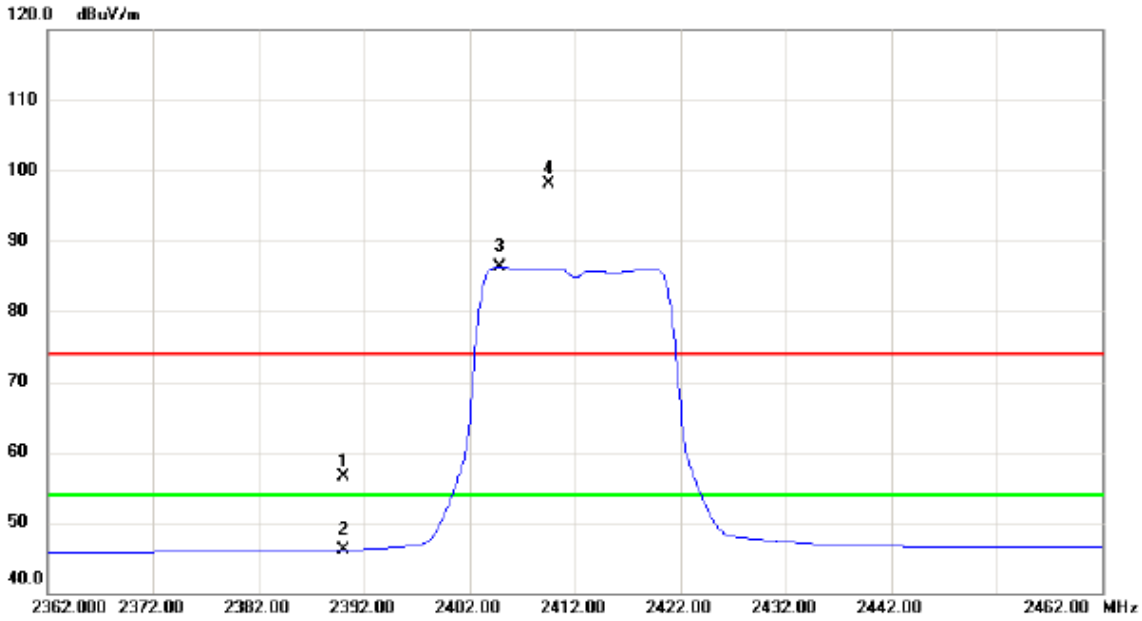
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_MIMO

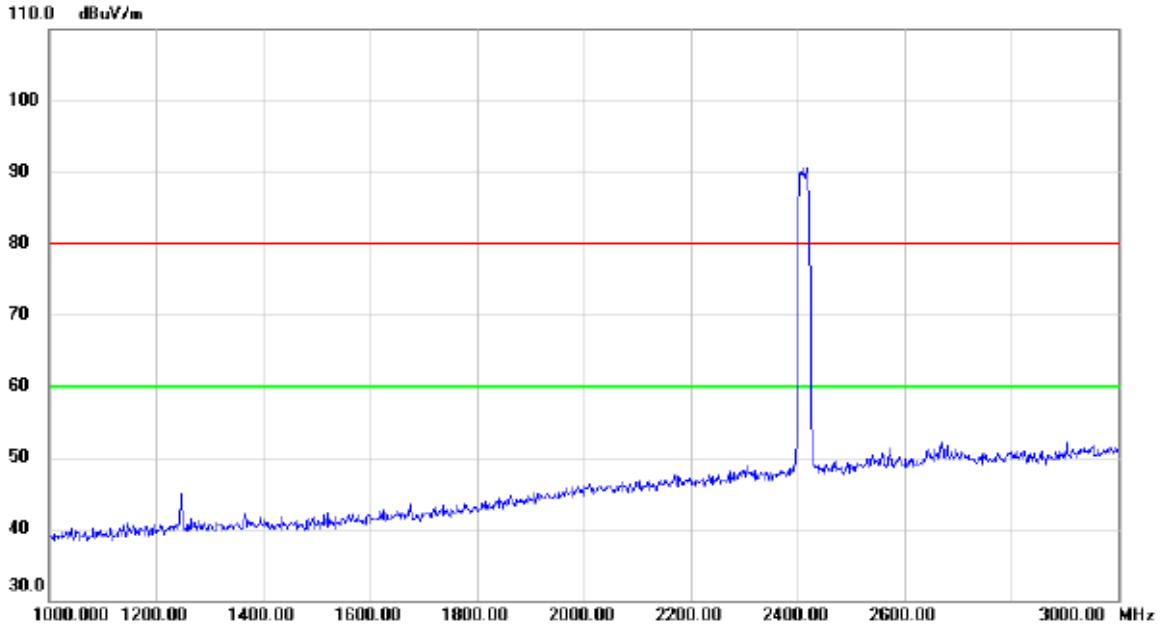
Vertical



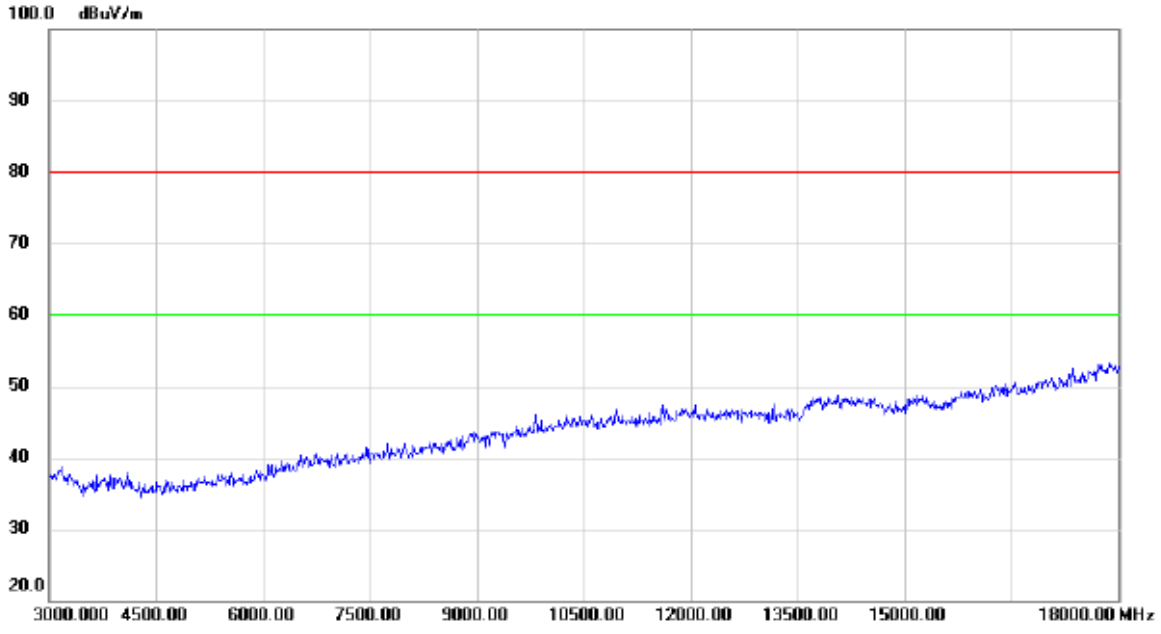
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.50	33.01	56.51	74.00	-17.49	peak	
2		2390.000	13.11	33.01	46.12	54.00	-7.88	AVG	
3	*	2404.800	53.28	33.08	86.36	54.00	32.36	AVG	No Limit
4	X	2409.500	65.08	33.09	98.17	74.00	24.17	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_MIMO

Vertical



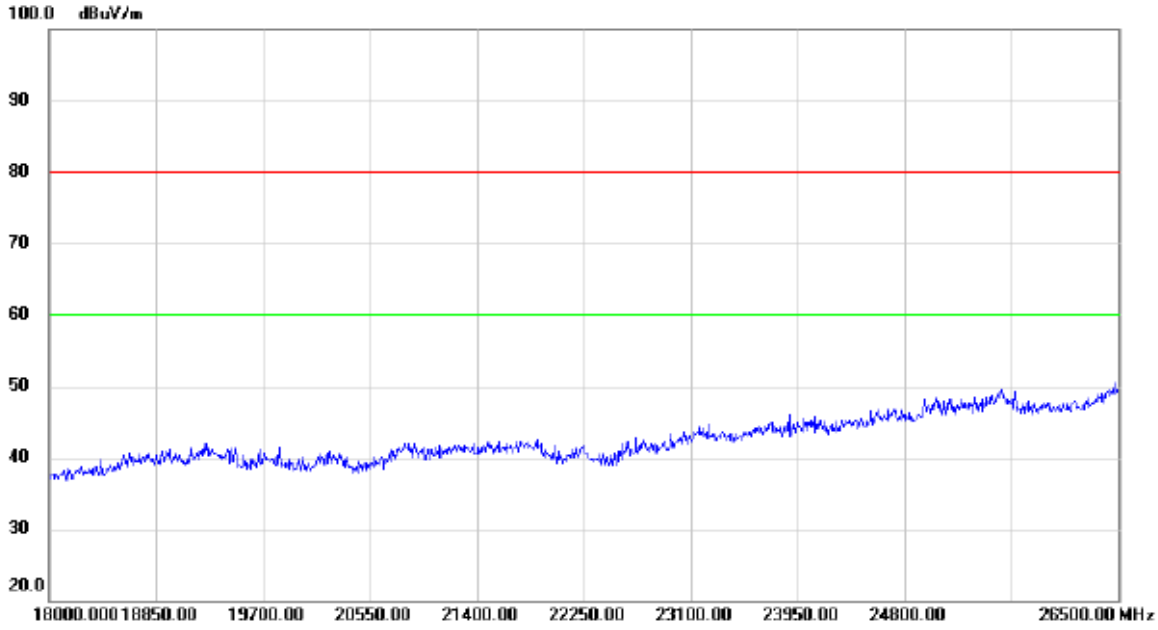
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_MIMO

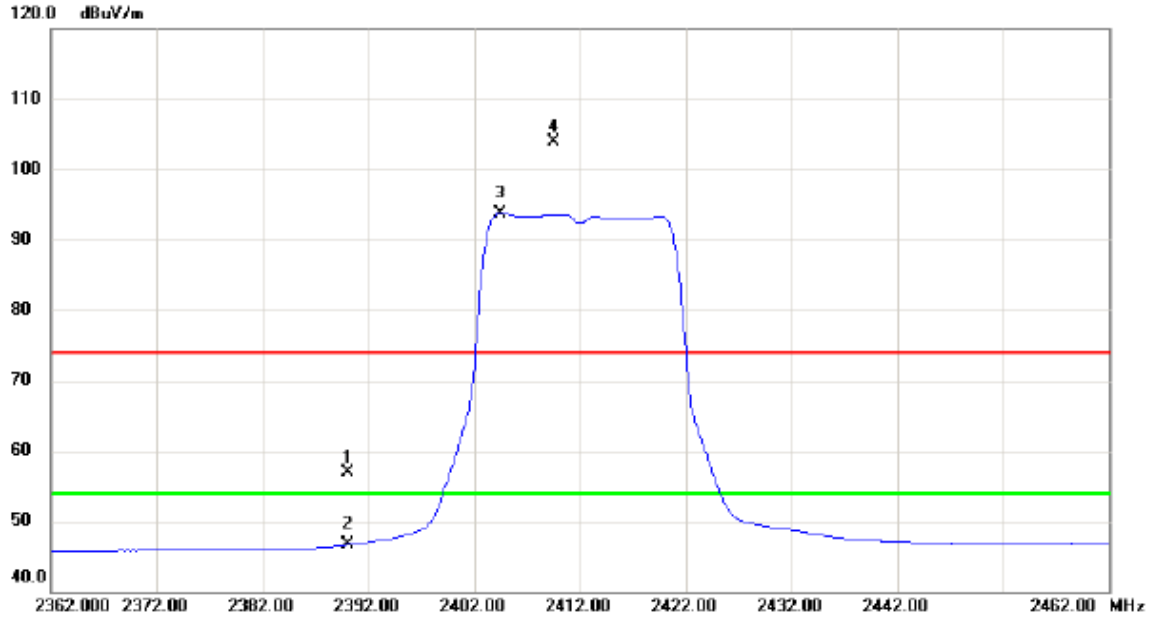
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_MIMO

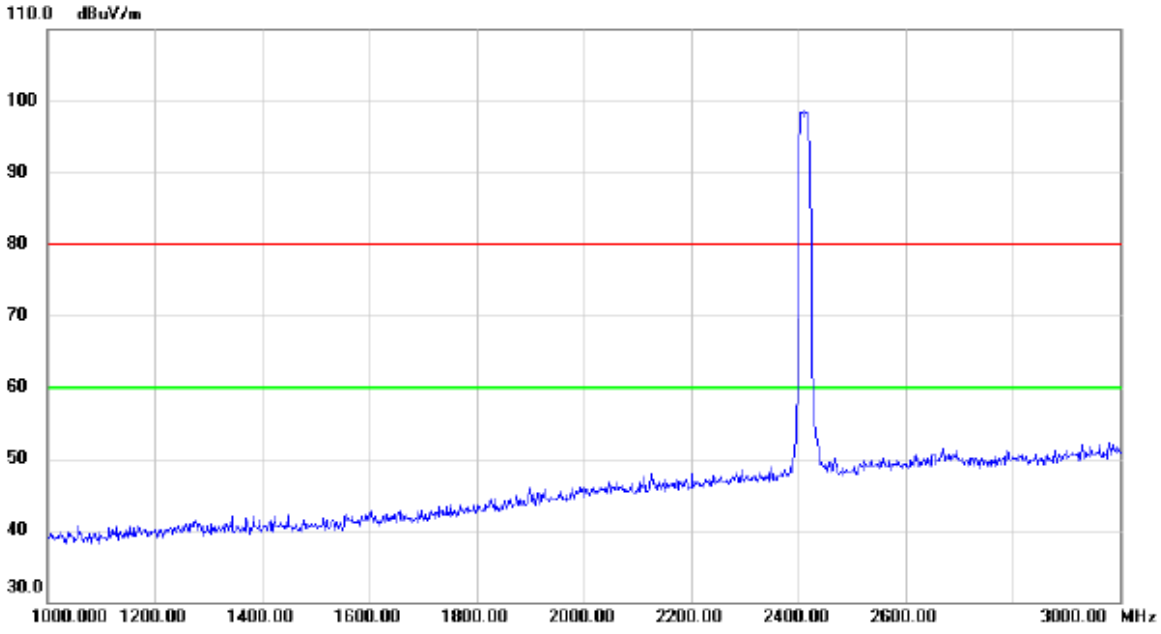
Horizontal



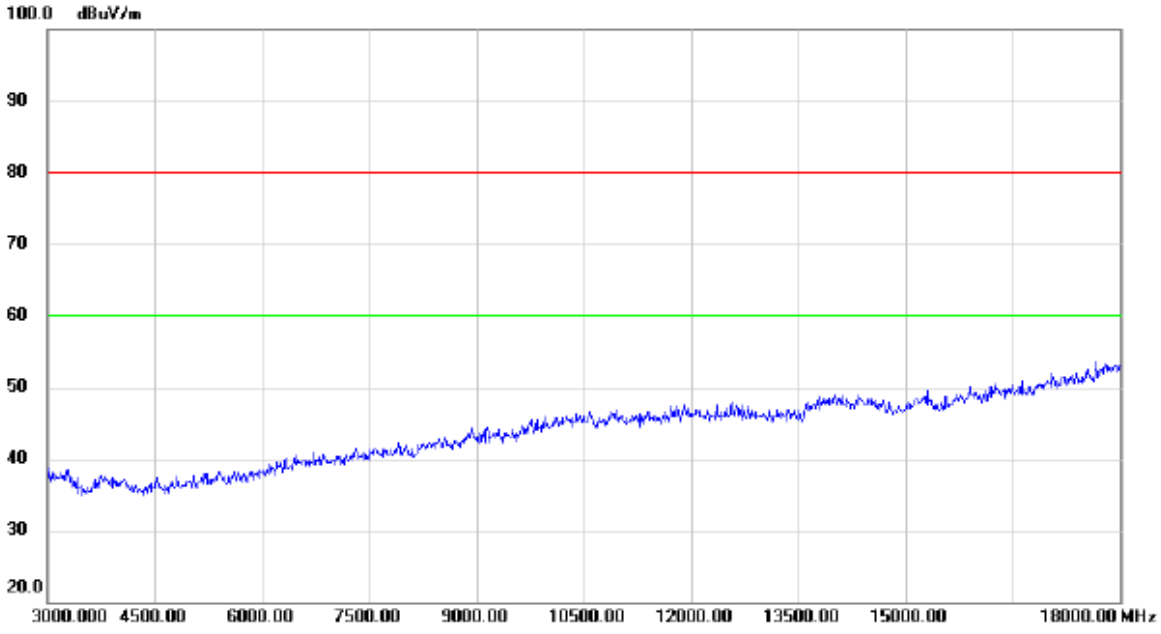
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.83	33.01	56.84	74.00	-17.16	peak	
2		2390.000	13.62	33.01	46.63	54.00	-7.37	AVG	
3	*	2404.500	60.70	33.07	93.77	54.00	39.77	AVG	No Limit
4	X	2409.600	70.86	33.09	103.95	74.00	29.95	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_MIMO

Horizontal



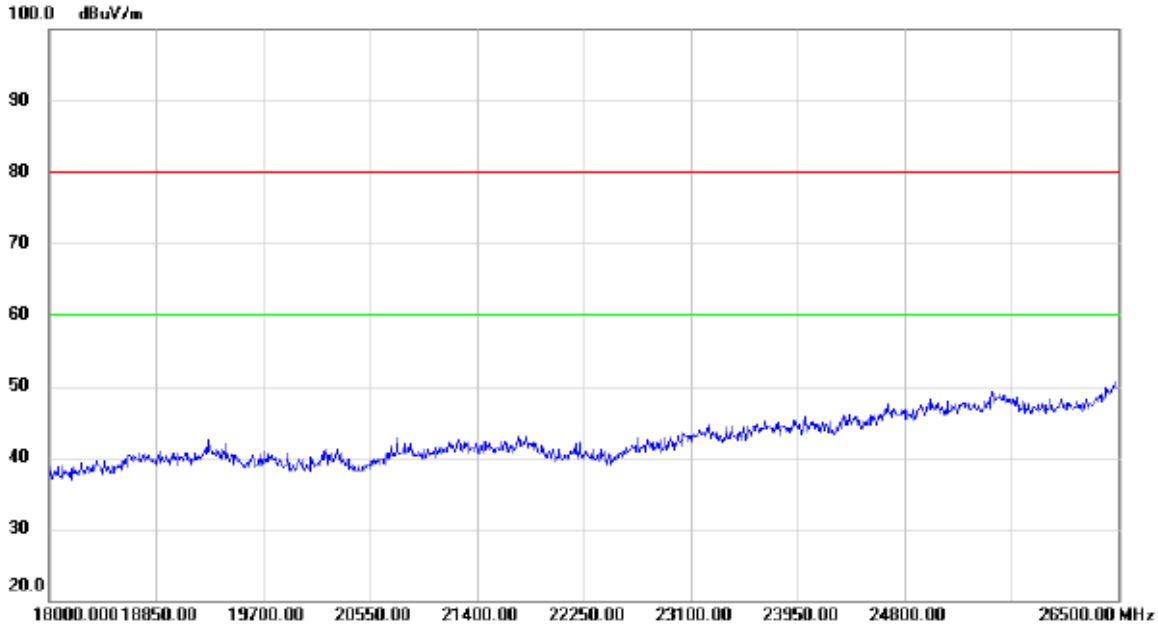
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2412MHz_MIMO

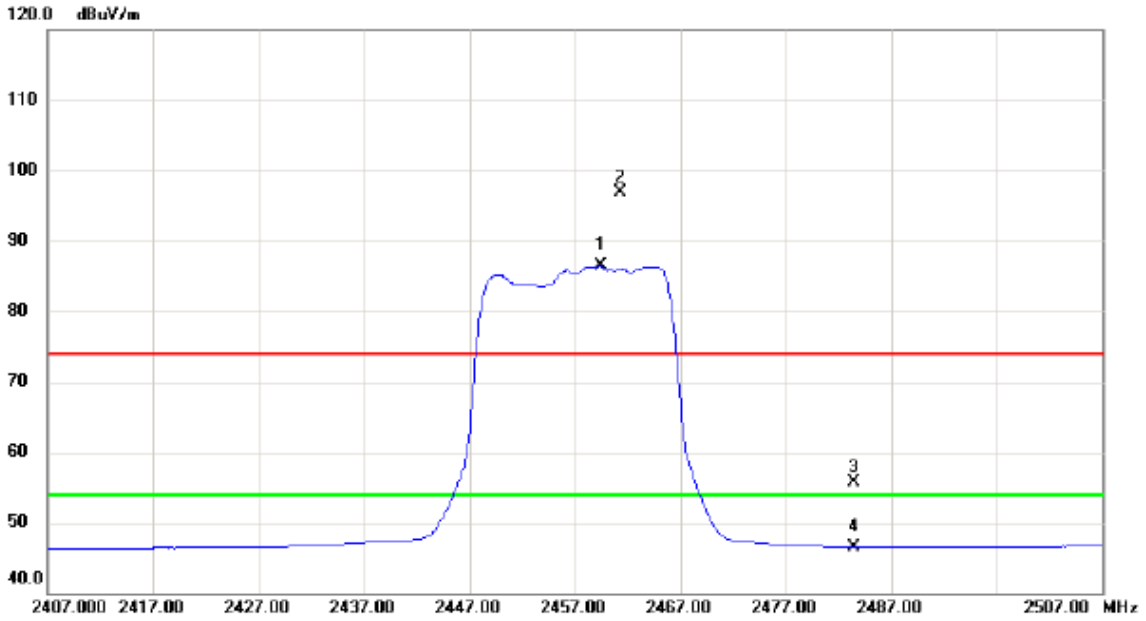
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_MIMO

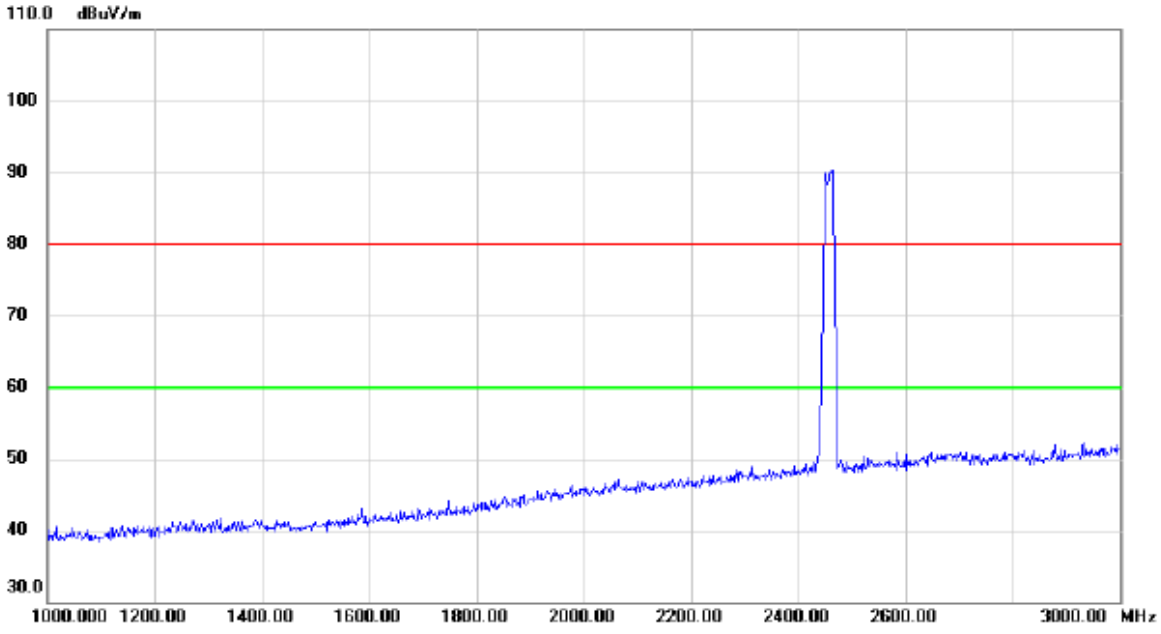
Vertical



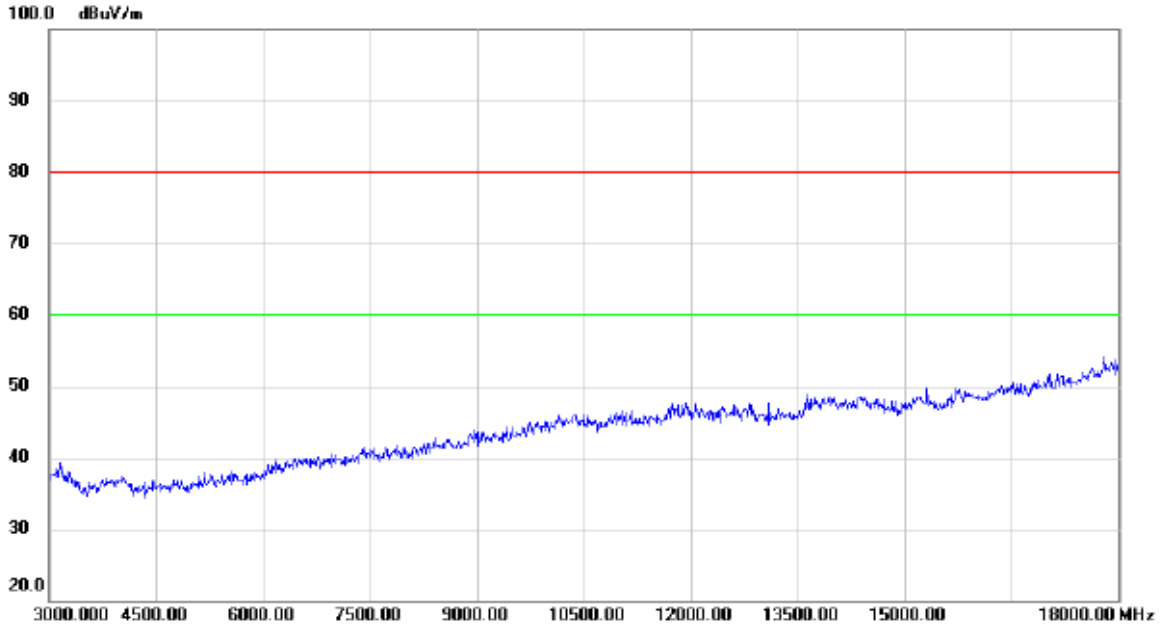
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2459.400	53.11	33.30	86.41	54.00	32.41	AVG	No Limit
2	X	2461.300	63.66	33.31	96.97	74.00	22.97	peak	No Limit
3		2483.500	22.25	33.40	55.65	74.00	-18.35	peak	
4		2483.500	13.06	33.40	46.46	54.00	-7.54	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_MIMO

Vertical



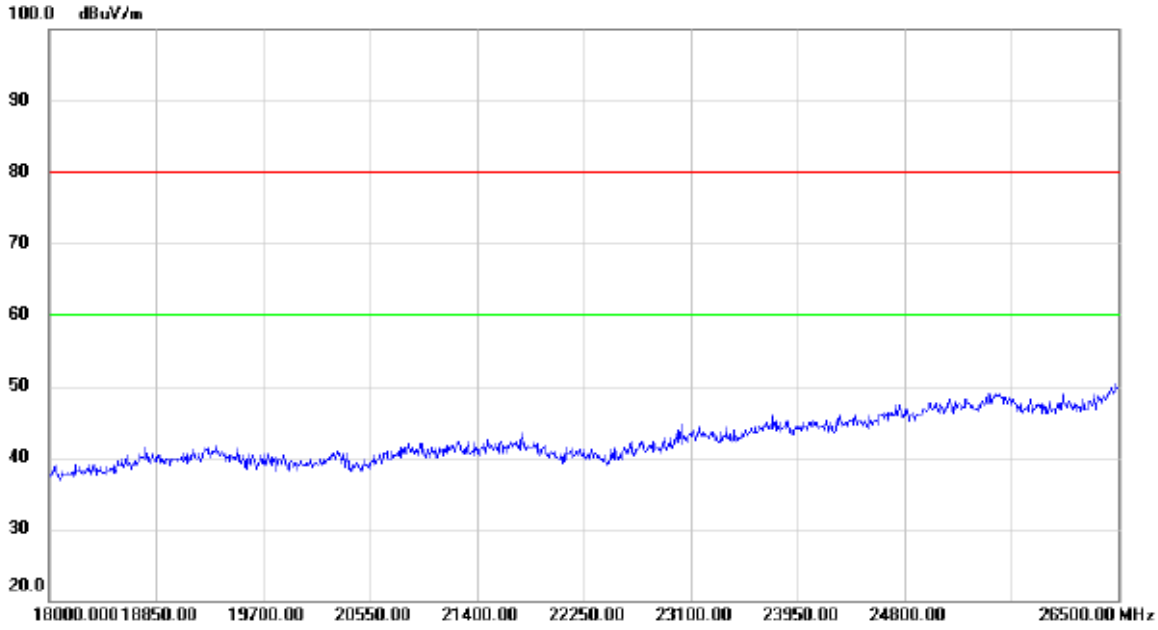
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_MIMO

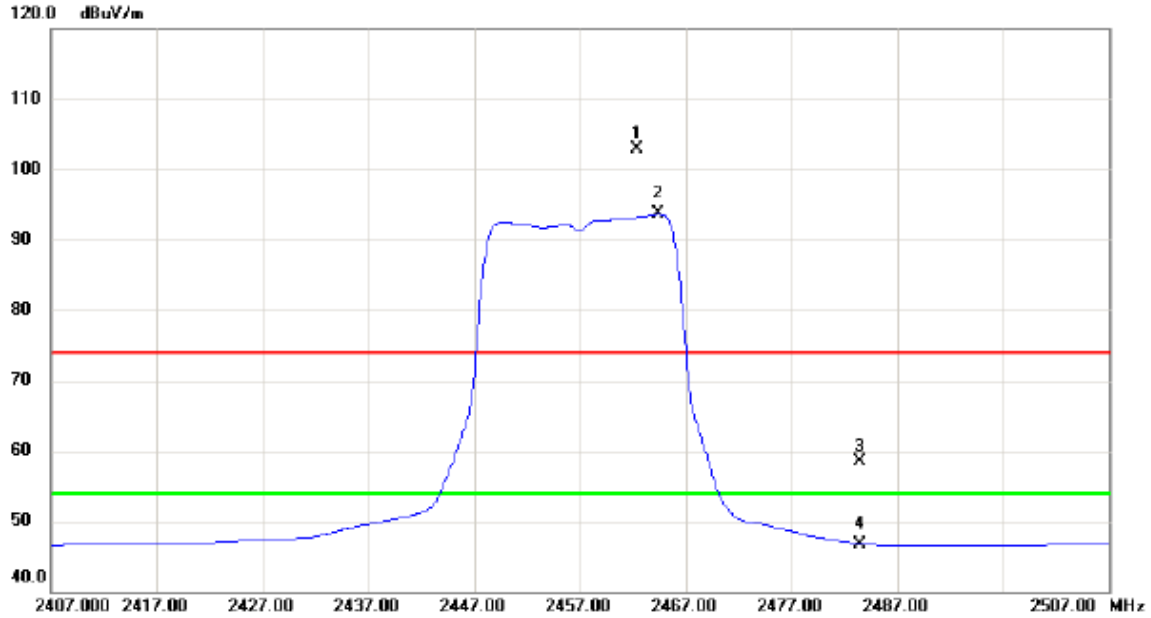
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_MIMO

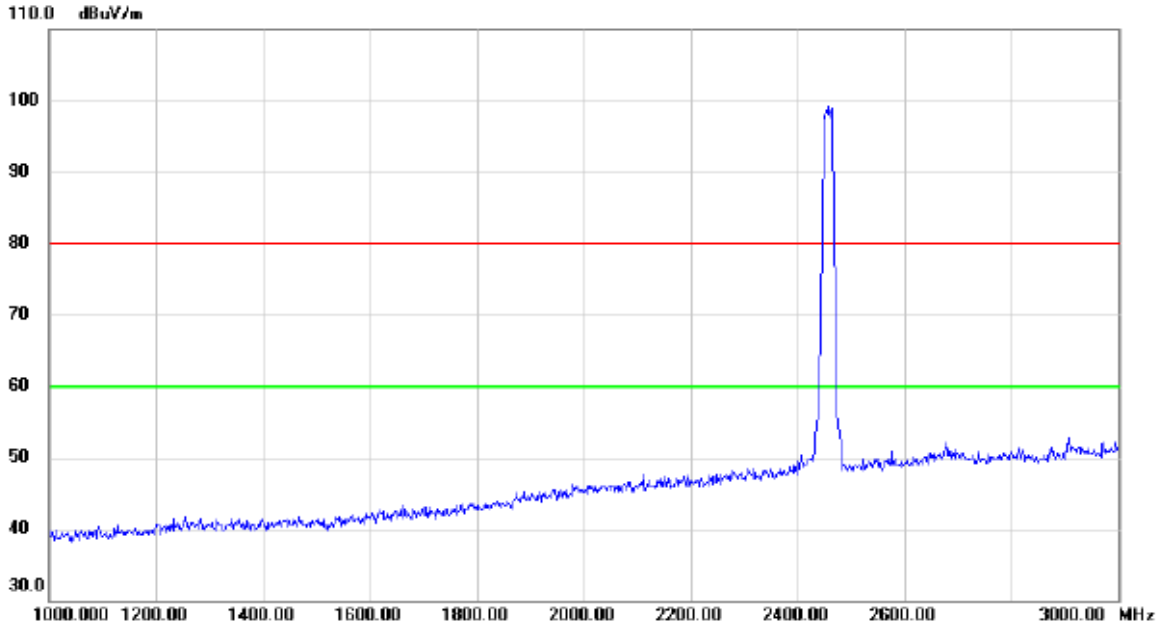
Horizontal



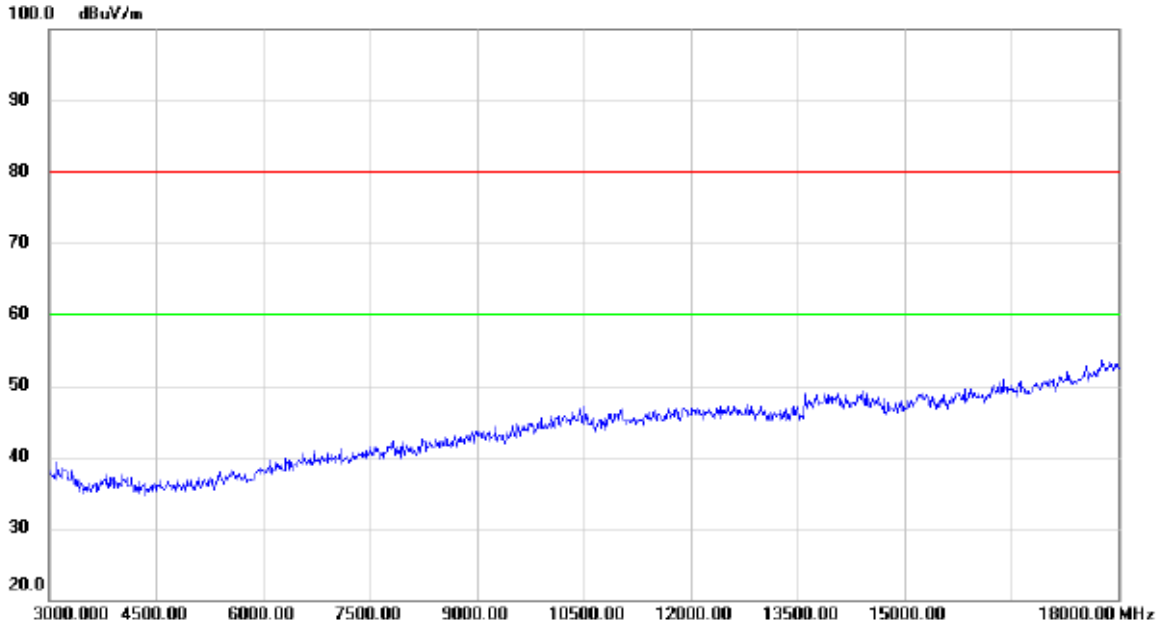
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2462.400	69.69	33.31	103.00	74.00	29.00	peak	No Limit
2	*	2464.400	60.29	33.33	93.62	54.00	39.62	AVG	No Limit
3		2483.500	25.11	33.40	58.51	74.00	-15.49	peak	
4		2483.500	13.33	33.40	46.73	54.00	-7.27	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_MIMO

Horizontal



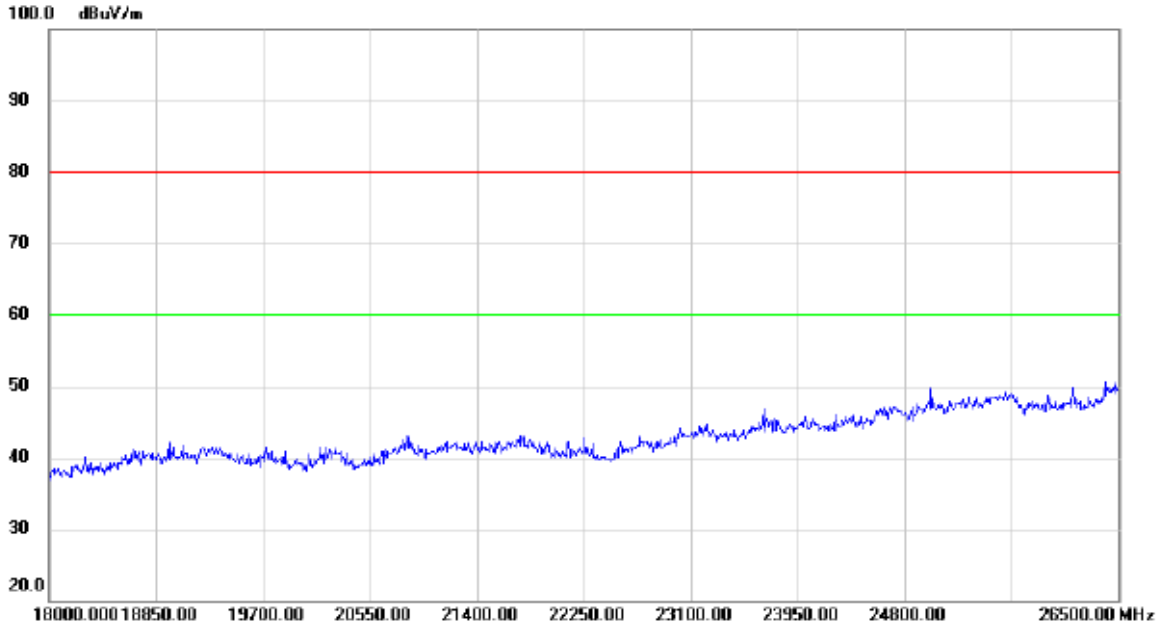
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2457MHz_MIMO

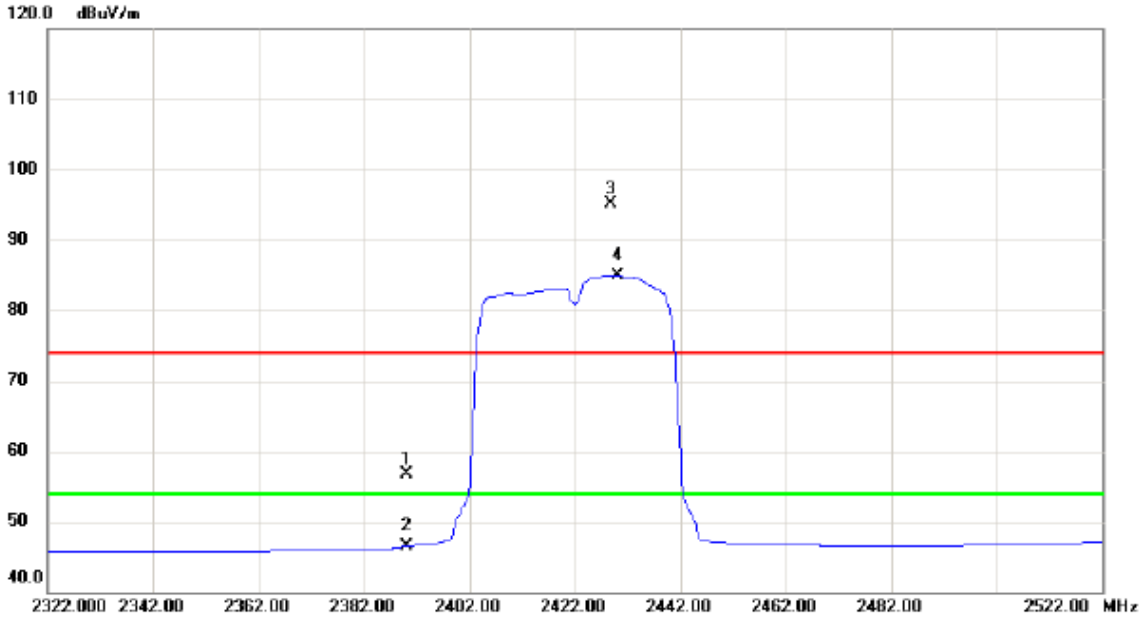
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 1

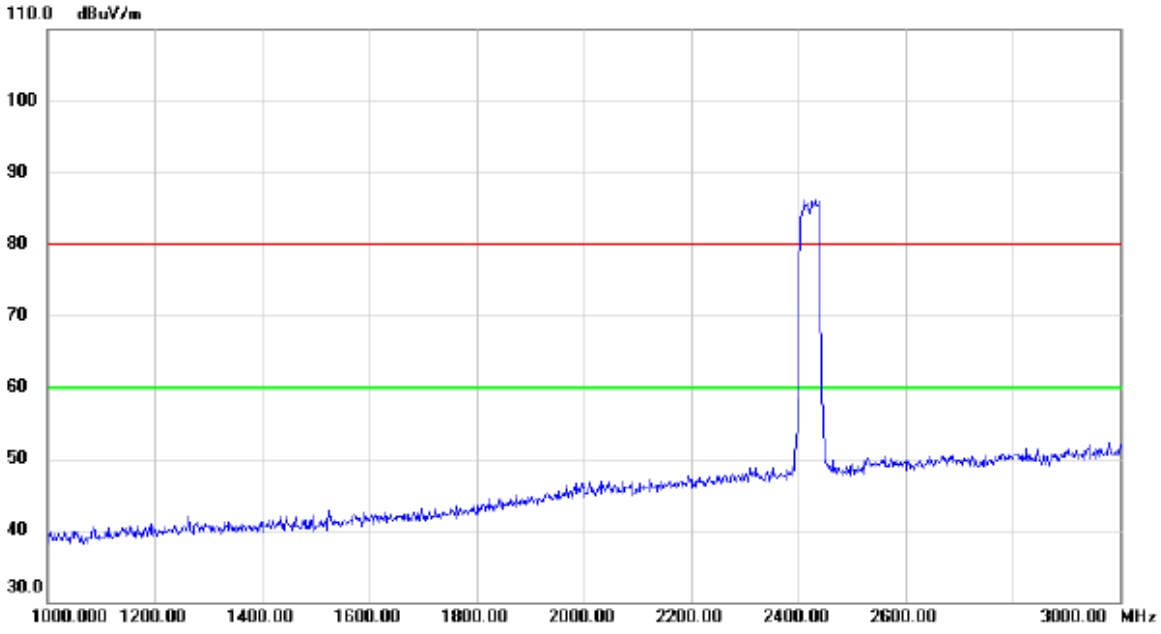
Vertical



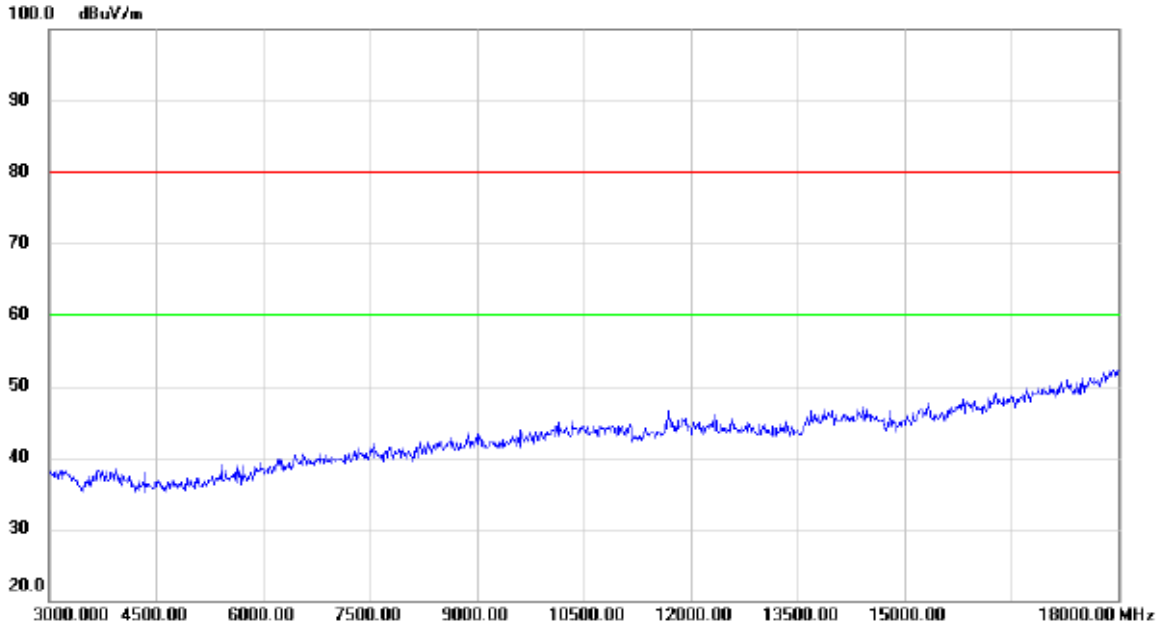
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.78	33.01	56.79	74.00	-17.21	peak	
2		2390.000	13.46	33.01	46.47	54.00	-7.53	AVG	
3	X	2428.800	61.85	33.17	95.02	74.00	21.02	peak	No Limit
4	*	2430.000	51.73	33.18	84.91	54.00	30.91	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 1

Vertical



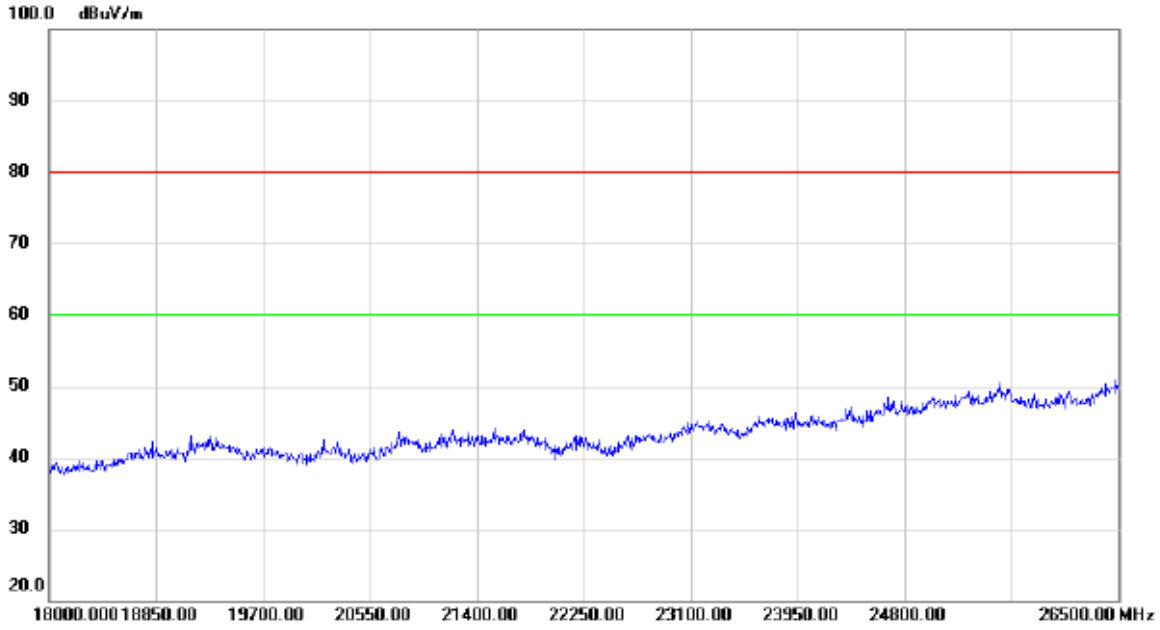
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 1

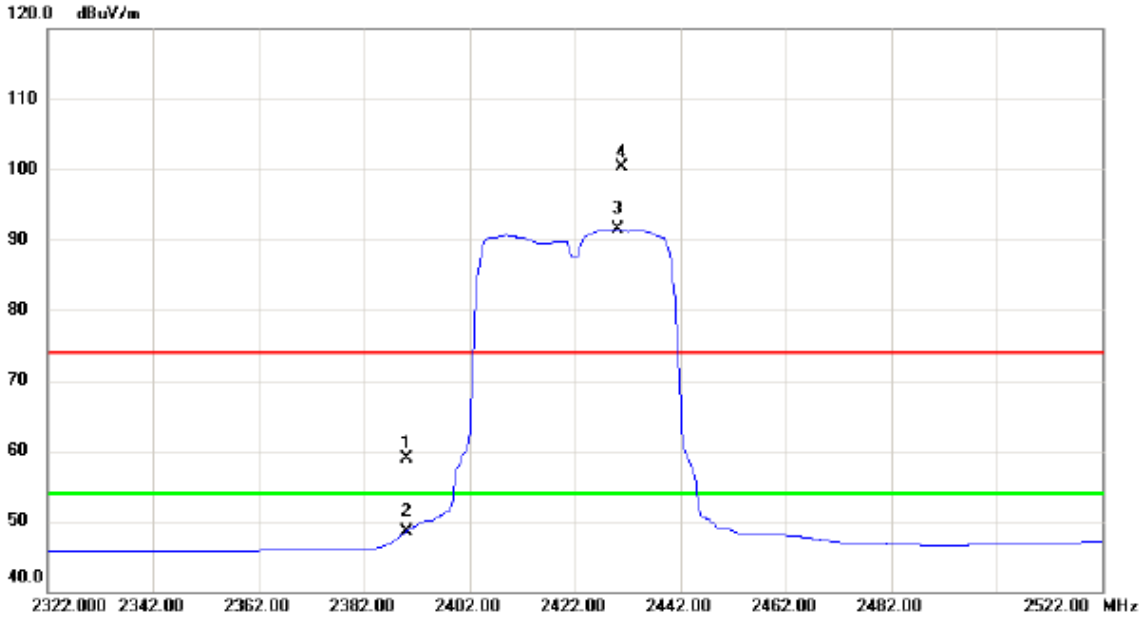
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 1

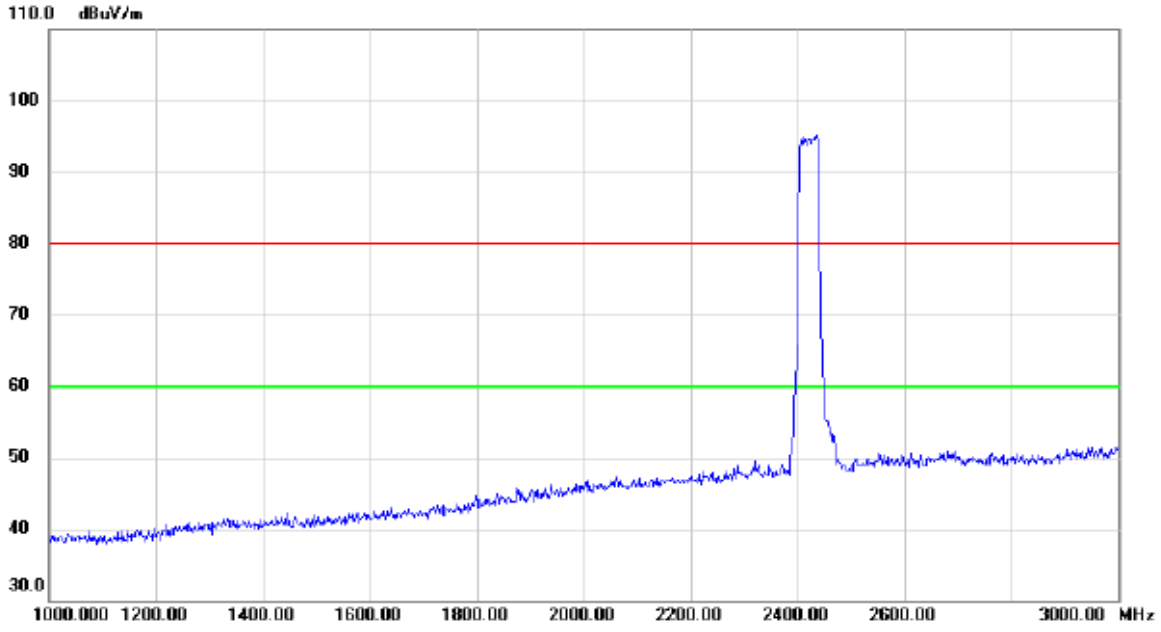
Horizontal



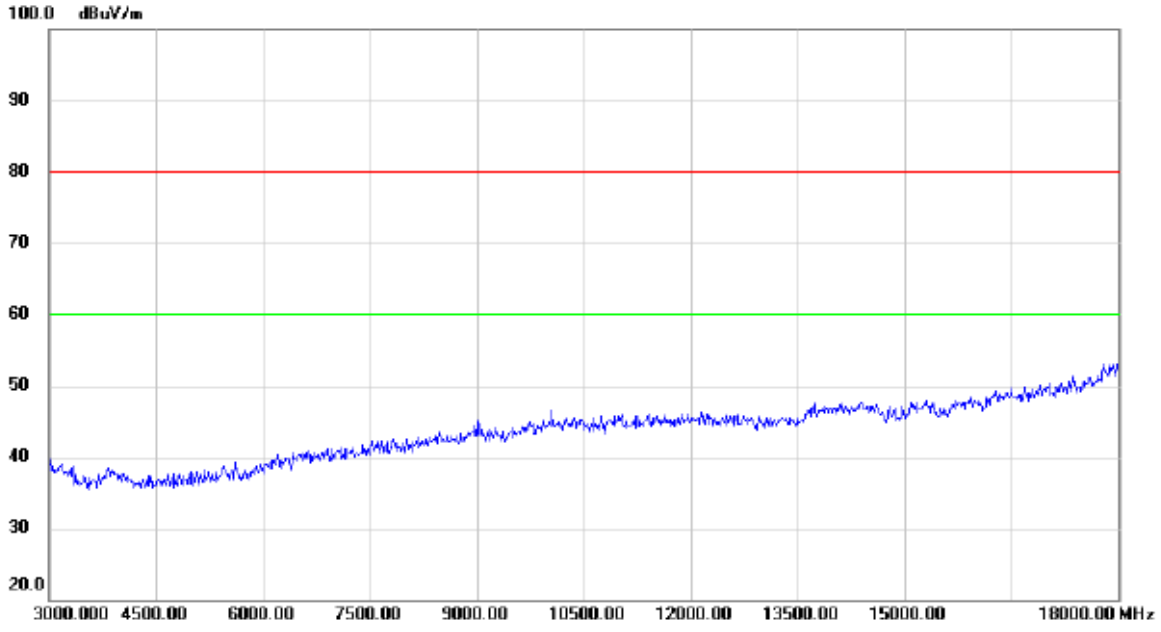
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	25.83	33.01	58.84	74.00	-15.16	peak	
2		2390.000	15.57	33.01	48.58	54.00	-5.42	AVG	
3	*	2430.000	58.23	33.18	91.41	54.00	37.41	AVG	No Limit
4	X	2431.000	67.14	33.18	100.32	74.00	26.32	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 1

Horizontal



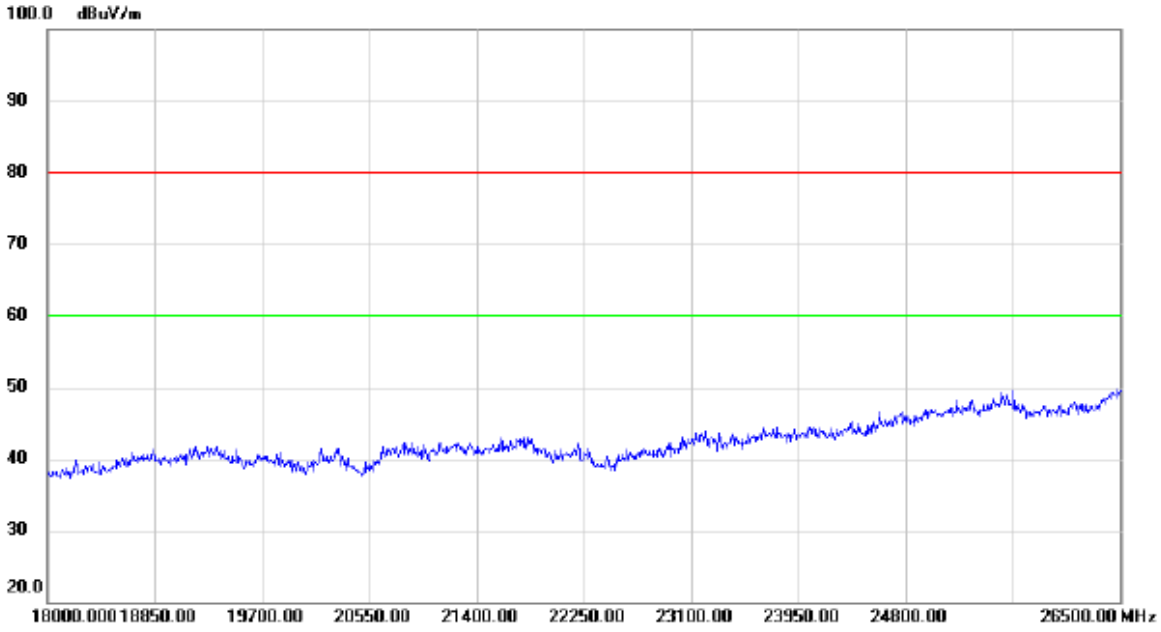
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 1

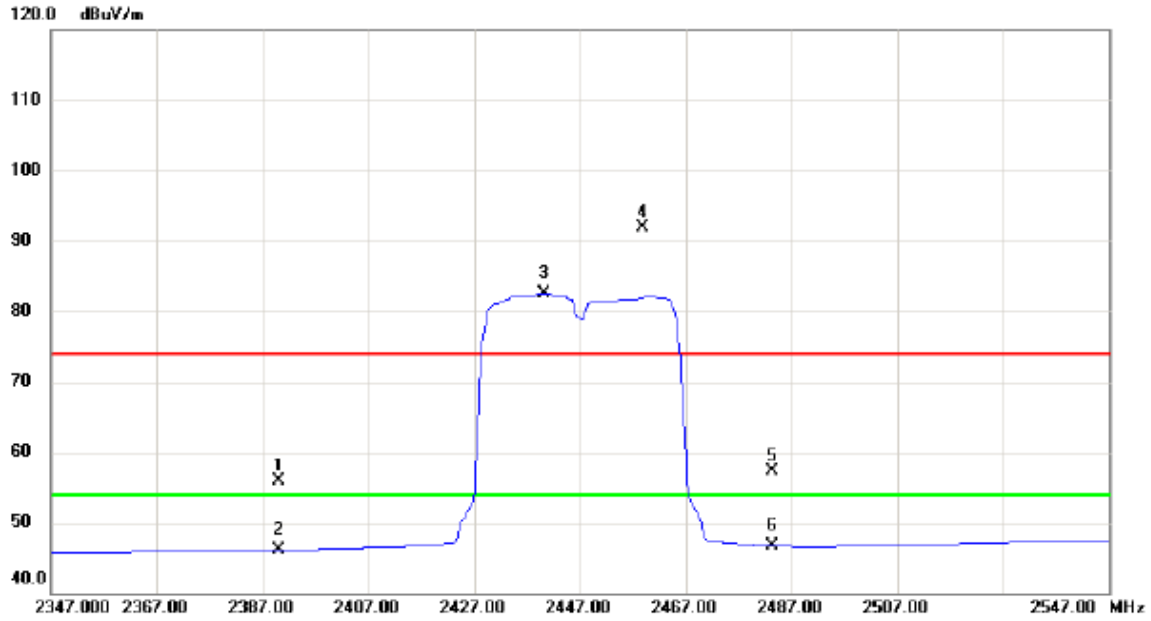
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 1

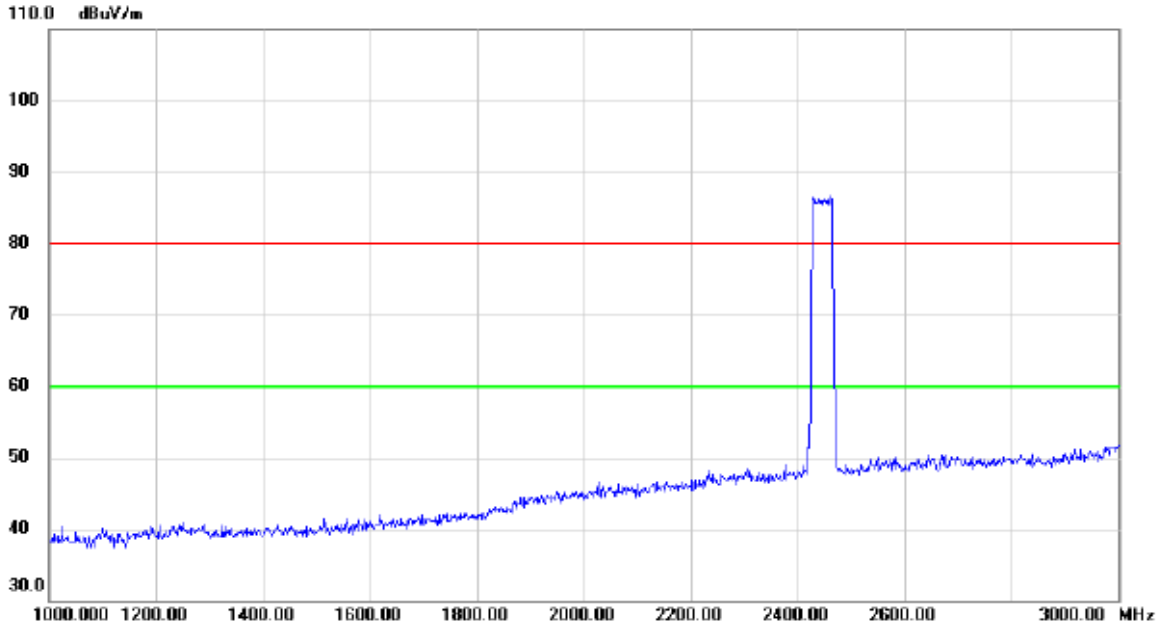
Vertical



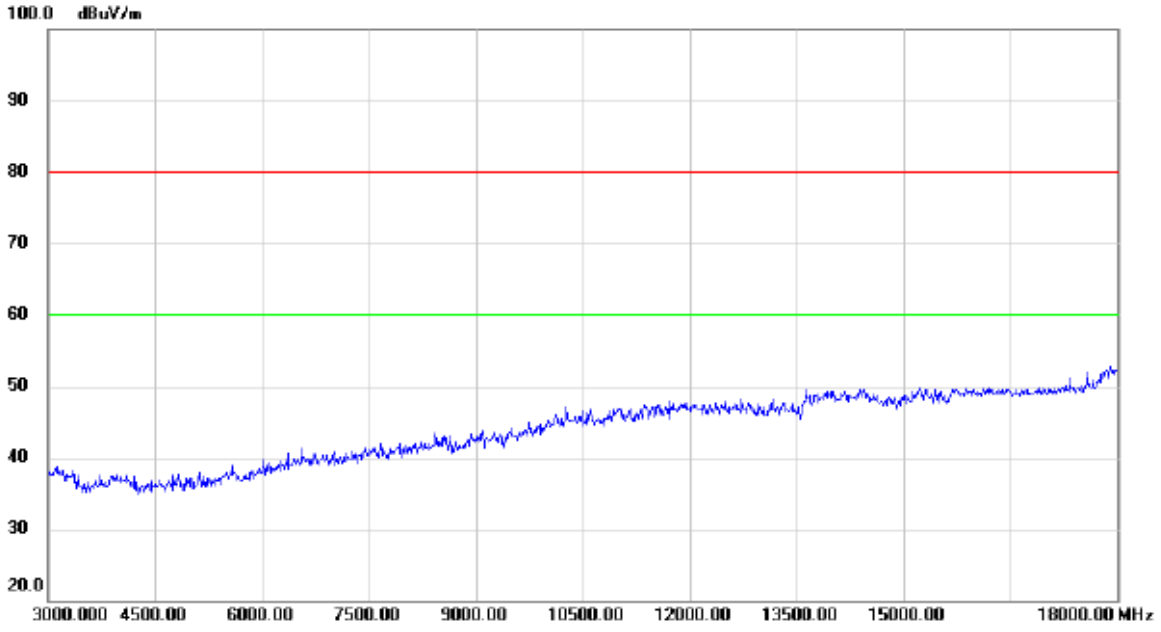
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	22.88	33.01	55.89	74.00	-18.11	peak	
2		2390.000	13.10	33.01	46.11	54.00	-7.89	AVG	
3	*	2440.200	49.24	33.22	82.46	54.00	28.46	AVG	No Limit
4	X	2458.800	58.63	33.30	91.93	74.00	17.93	peak	No Limit
5		2483.500	23.97	33.40	57.37	74.00	-16.63	peak	
6		2483.500	13.31	33.40	46.71	54.00	-7.29	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 1

Vertical



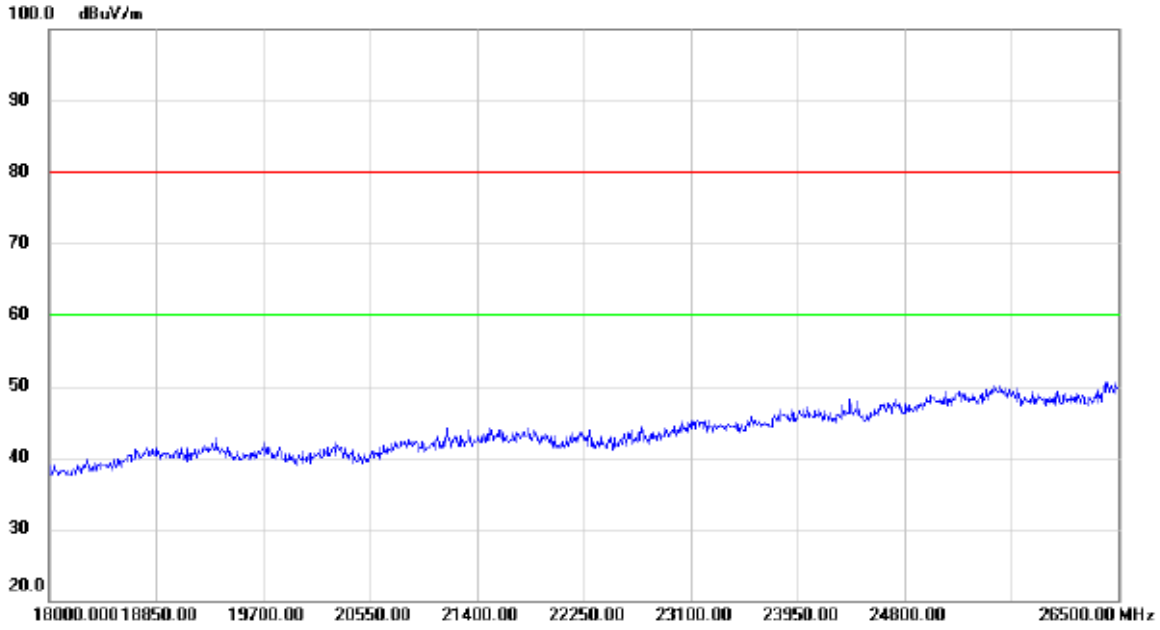
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 1

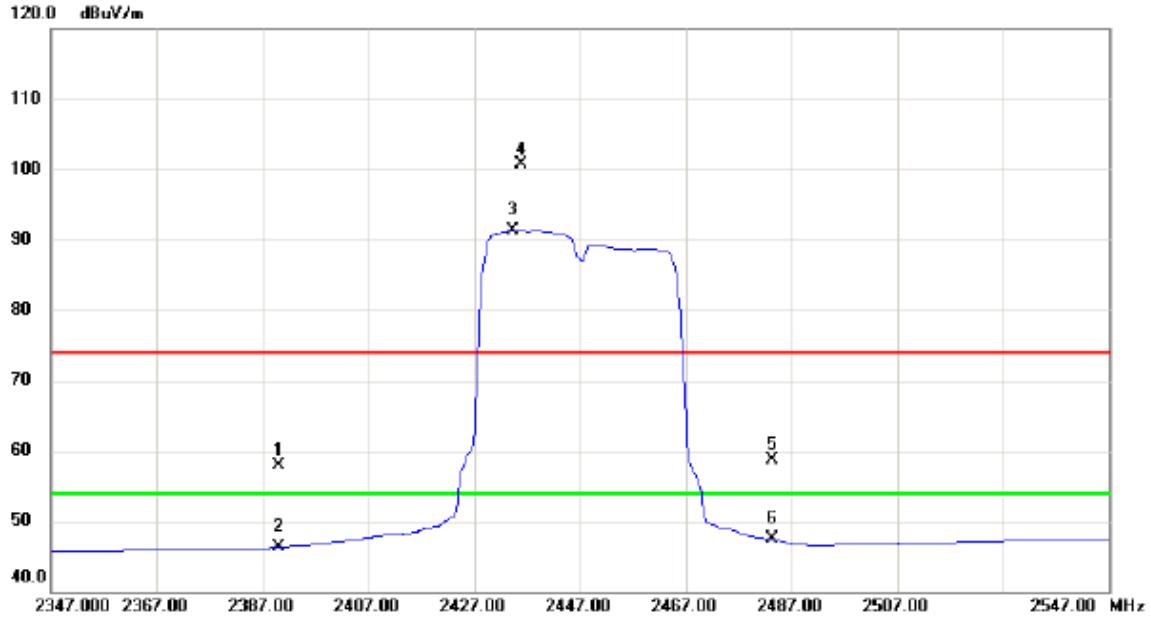
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 1

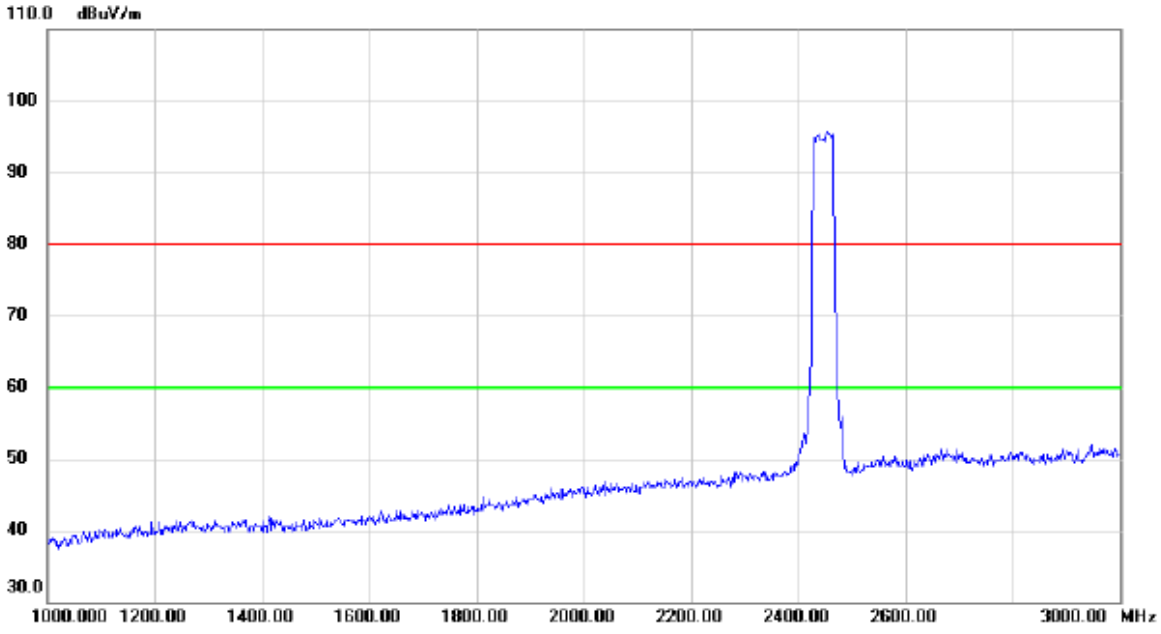
Horizontal



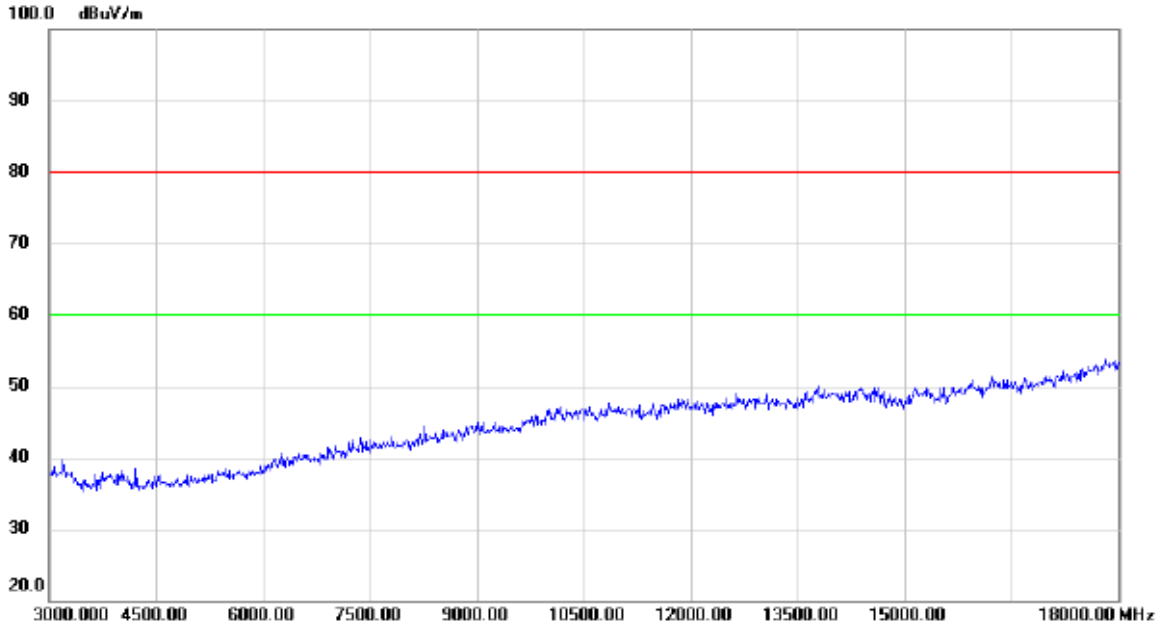
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	24.88	33.01	57.89	74.00	-16.11	peak	
2		2390.000	13.29	33.01	46.30	54.00	-7.70	AVG	
3	*	2434.400	58.14	33.20	91.34	54.00	37.34	AVG	No Limit
4	X	2436.000	67.47	33.21	100.68	74.00	26.68	peak	No Limit
5		2483.500	25.21	33.40	58.61	74.00	-15.39	peak	
6		2483.500	14.02	33.40	47.42	54.00	-6.58	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 1

Horizontal



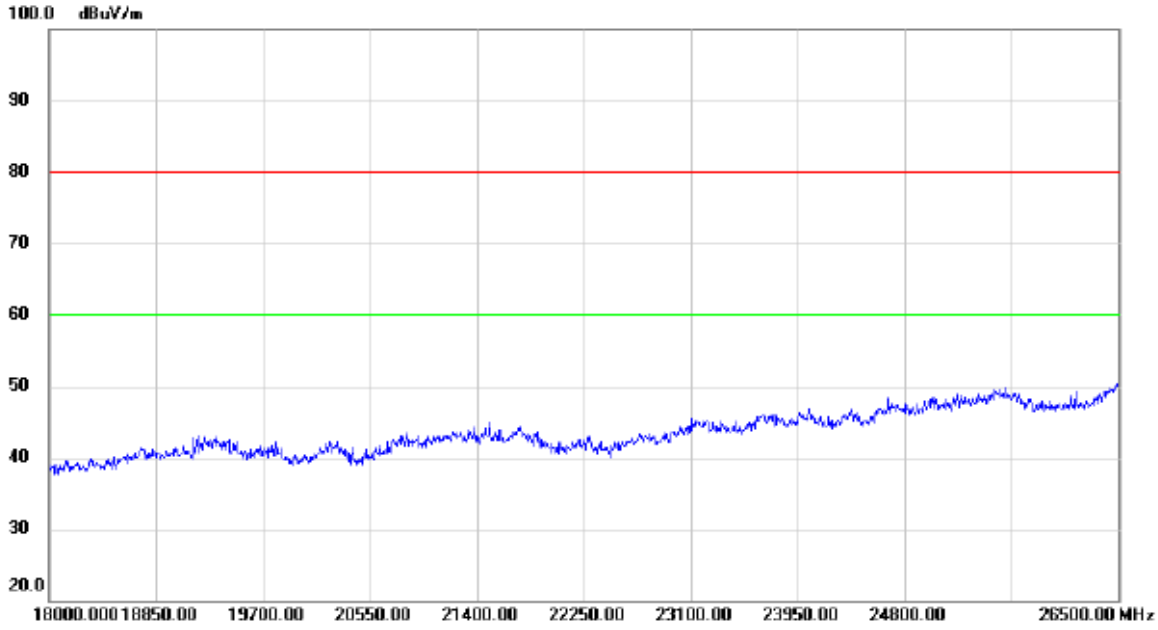
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 1

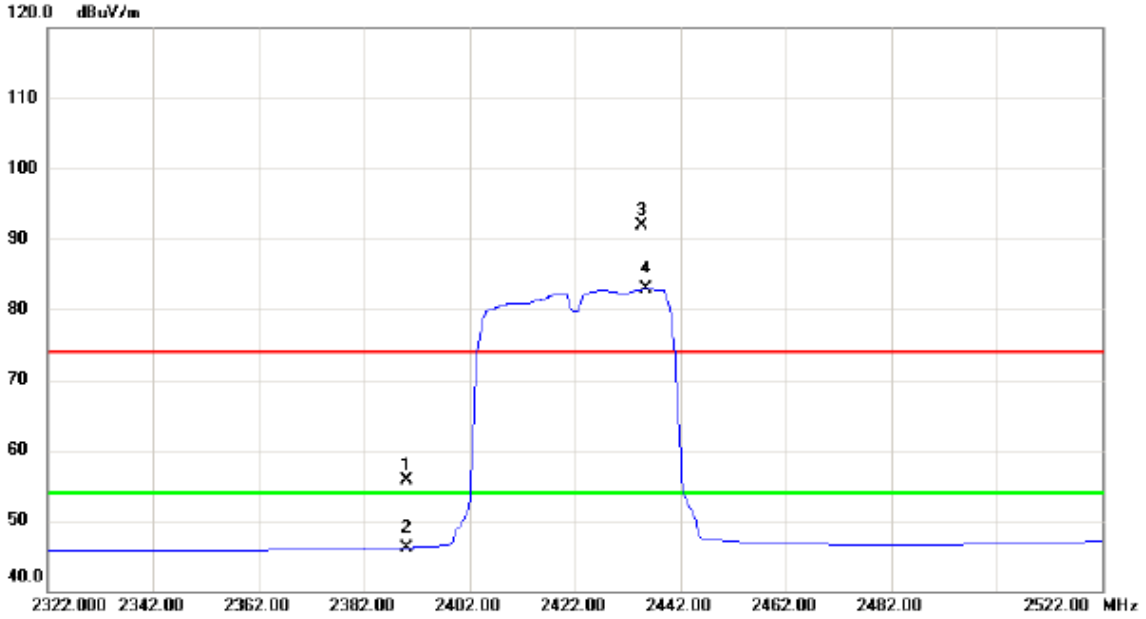
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 1

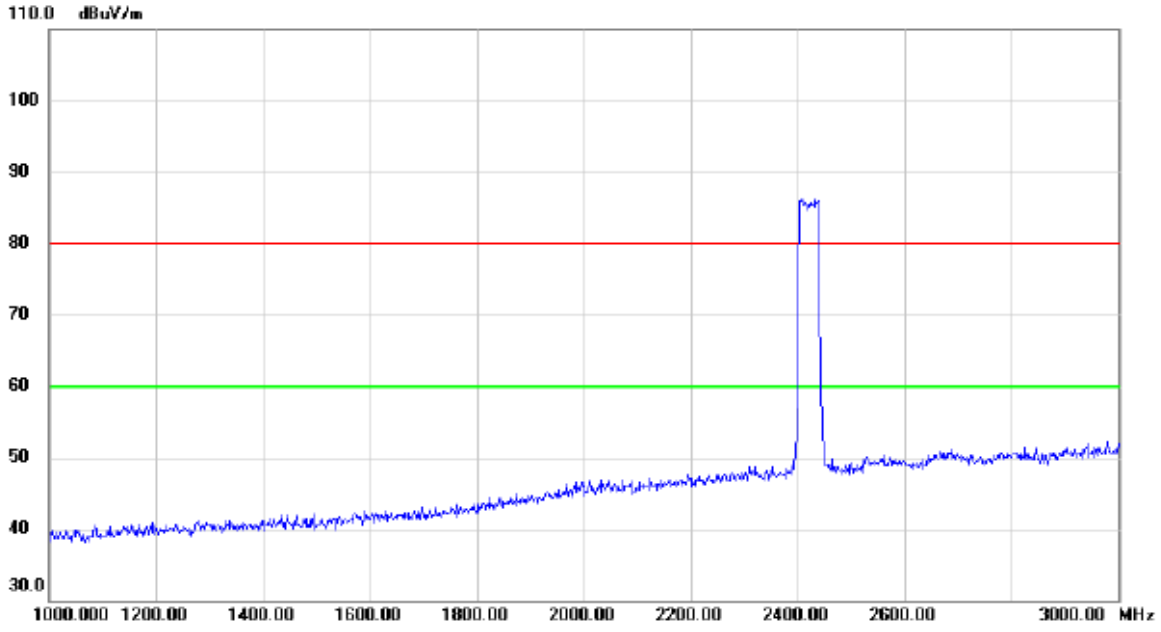
Vertical



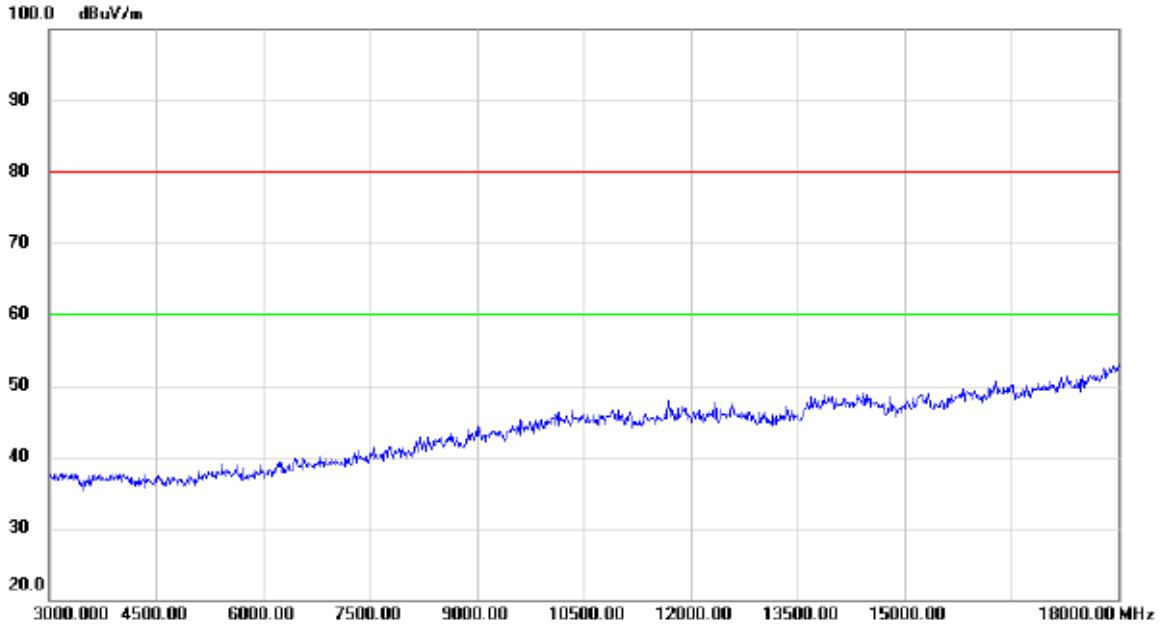
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	22.62	33.01	55.63	74.00	-18.37	peak	
2		2390.000	13.15	33.01	46.16	54.00	-7.84	AVG	
3	X	2434.600	58.78	33.20	91.98	74.00	17.98	peak	No Limit
4	*	2435.400	49.65	33.20	82.85	54.00	28.85	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 1

Vertical



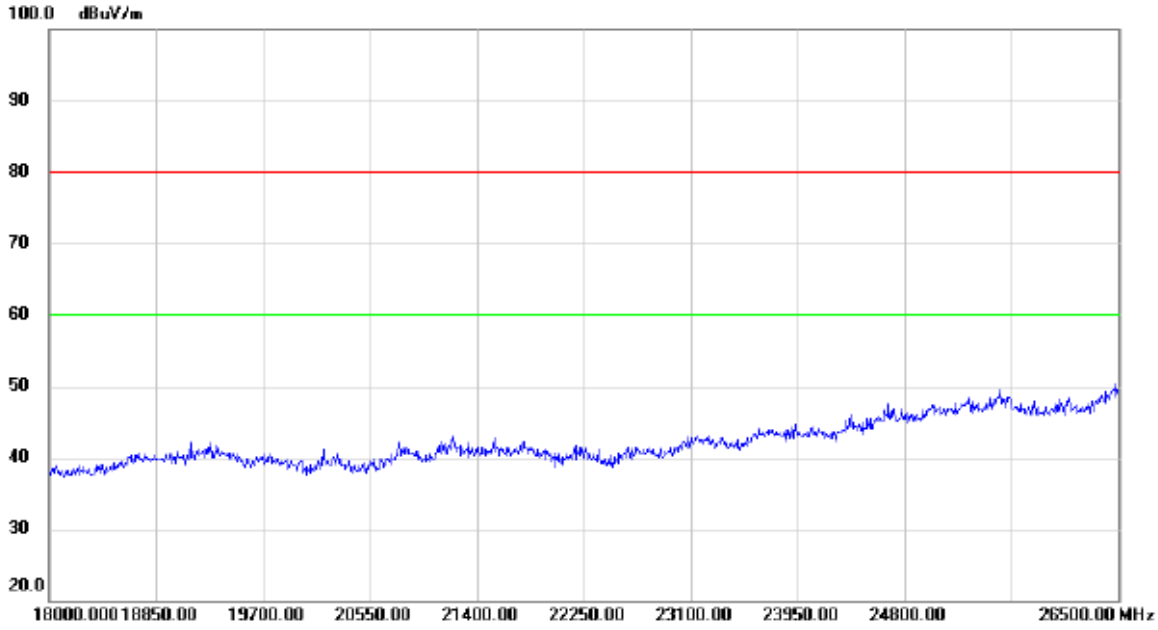
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 2

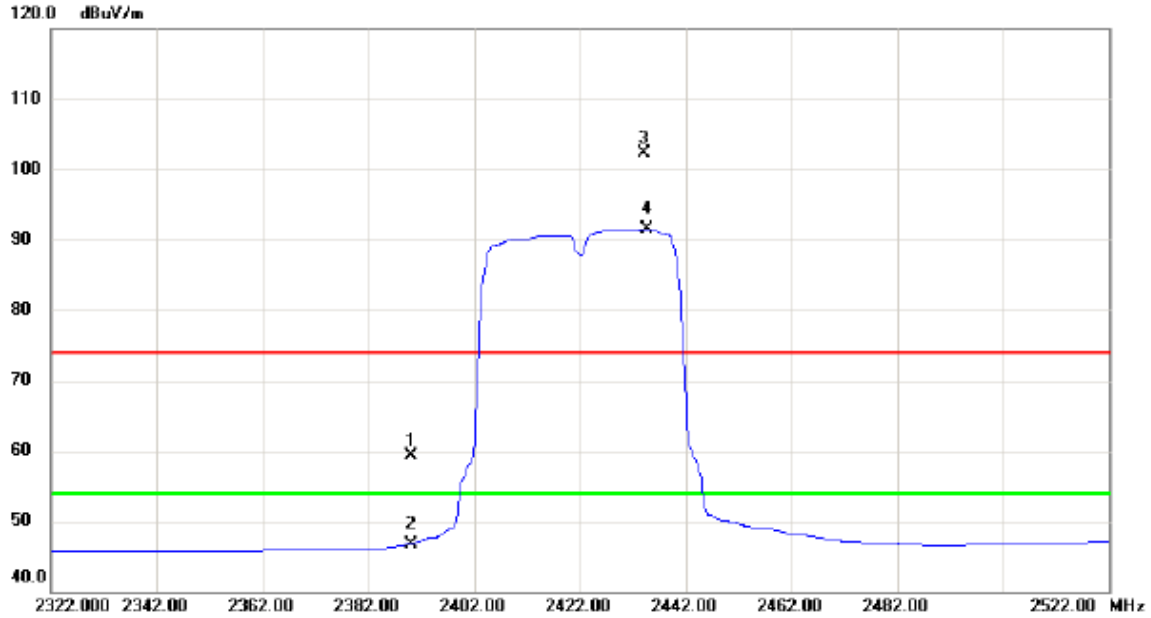
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 2

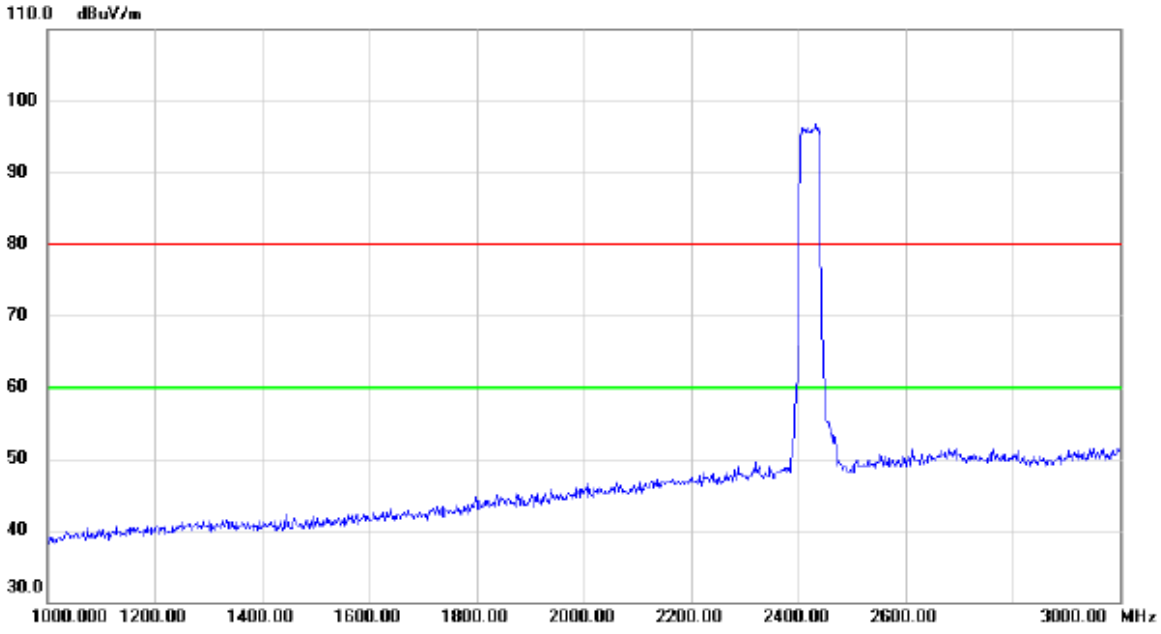
Horizontal



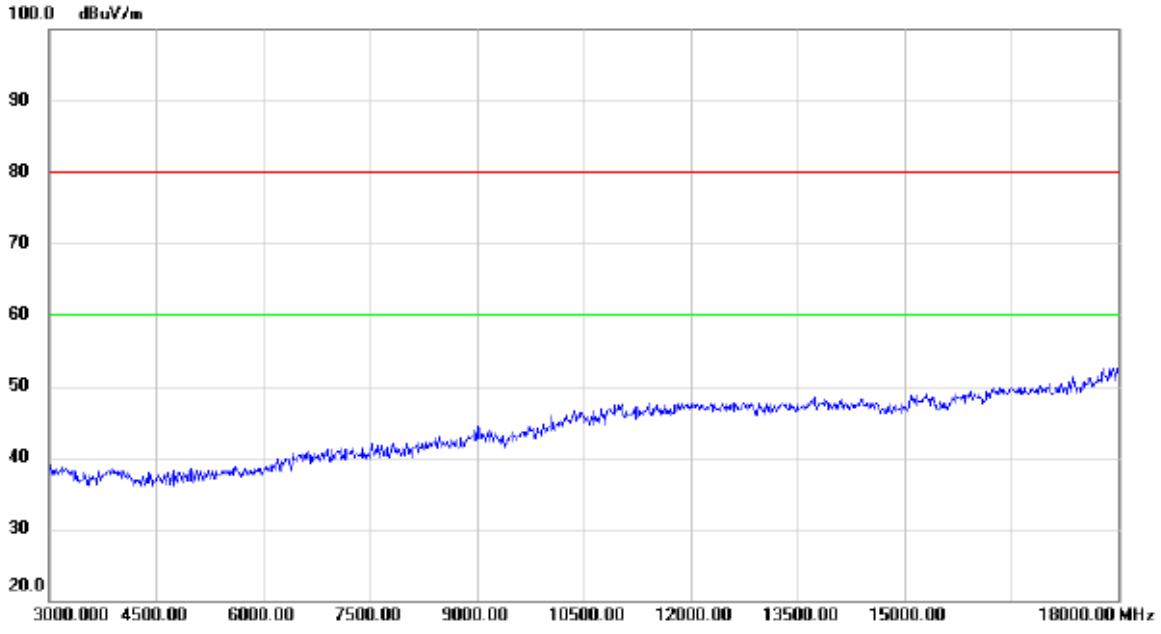
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	26.37	33.01	59.38	74.00	-14.62	peak	
2		2390.000	13.79	33.01	46.80	54.00	-7.20	AVG	
3	X	2434.000	69.10	33.20	102.30	74.00	28.30	peak	No Limit
4	*	2434.600	58.36	33.20	91.56	54.00	37.56	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 2

Horizontal



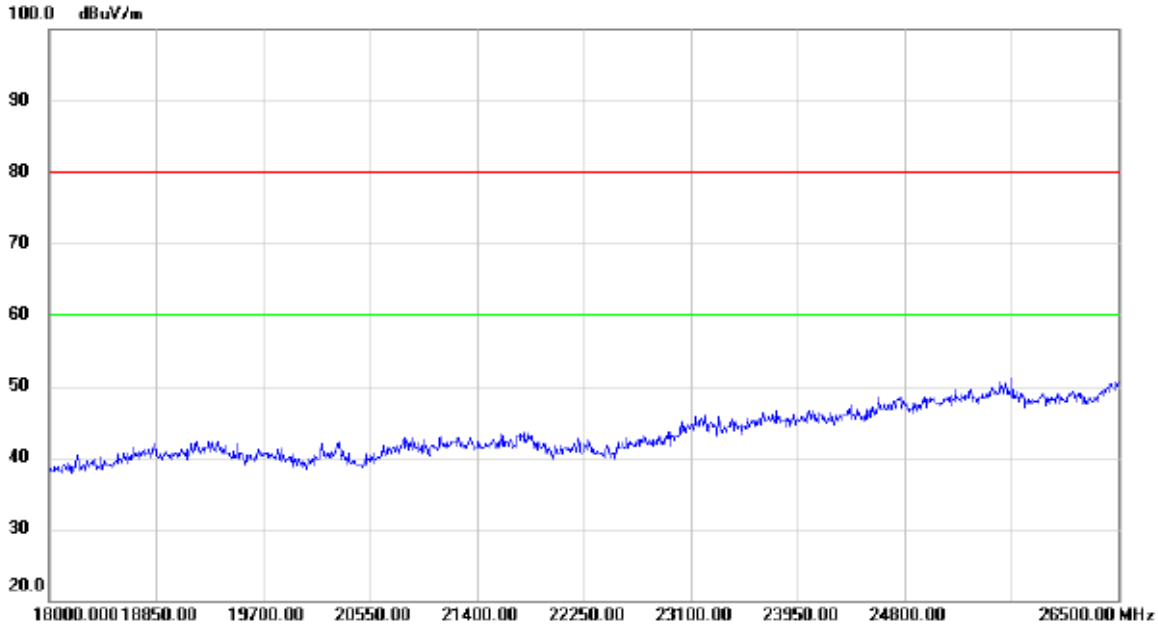
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_ANT 2

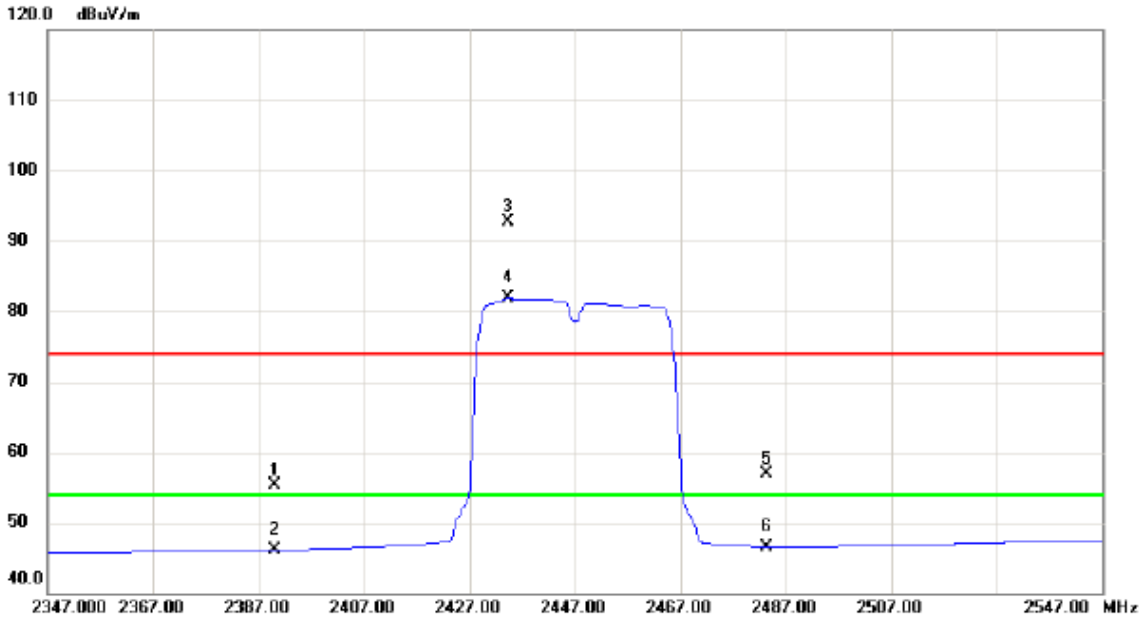
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 2

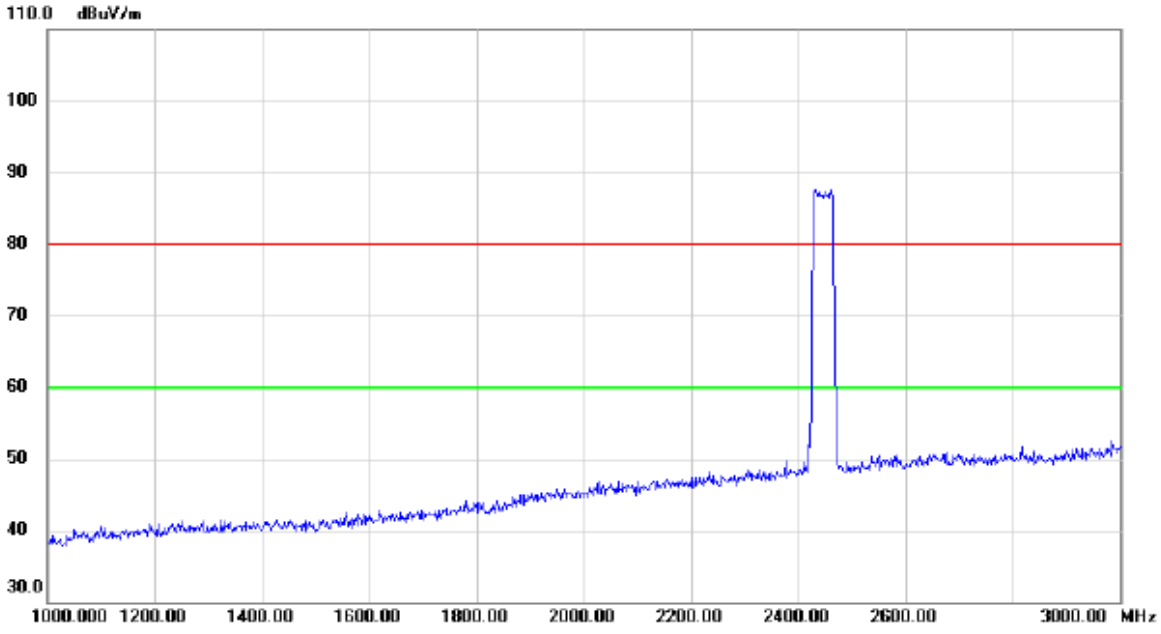
Vertical



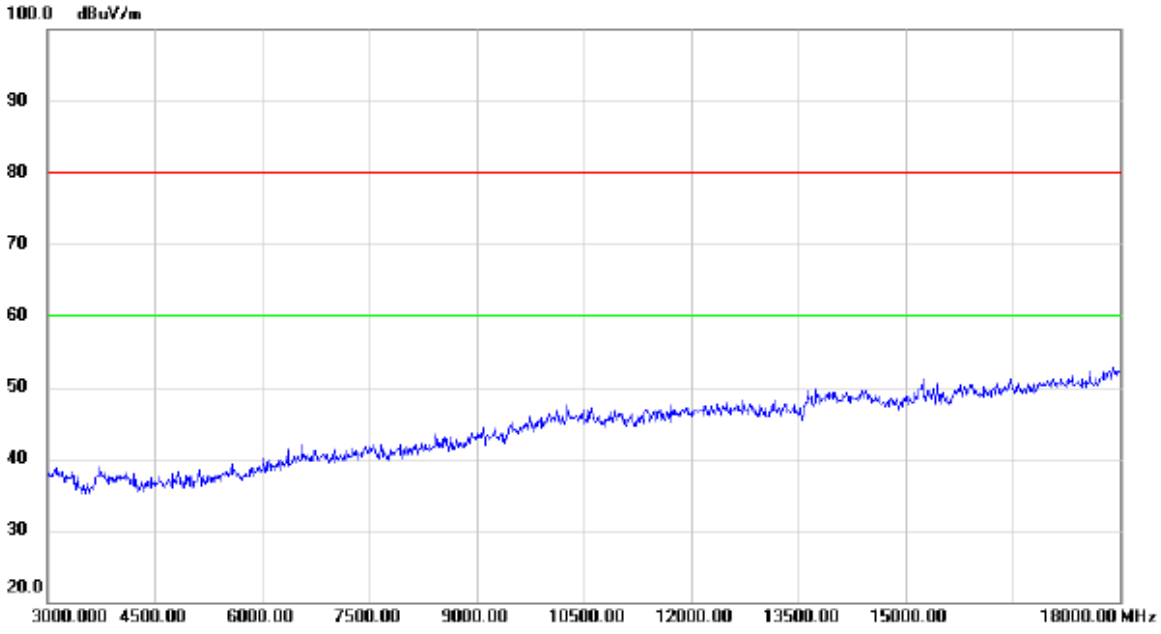
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	22.21	33.01	55.22	74.00	-18.78	peak	
2		2390.000	13.10	33.01	46.11	54.00	-7.89	AVG	
3	X	2434.400	59.54	33.20	92.74	74.00	18.74	peak	No Limit
4	*	2434.400	48.62	33.20	81.82	54.00	27.82	AVG	No Limit
5		2483.500	23.50	33.40	56.90	74.00	-17.10	peak	
6		2483.500	13.16	33.40	46.56	54.00	-7.44	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 2

Vertical



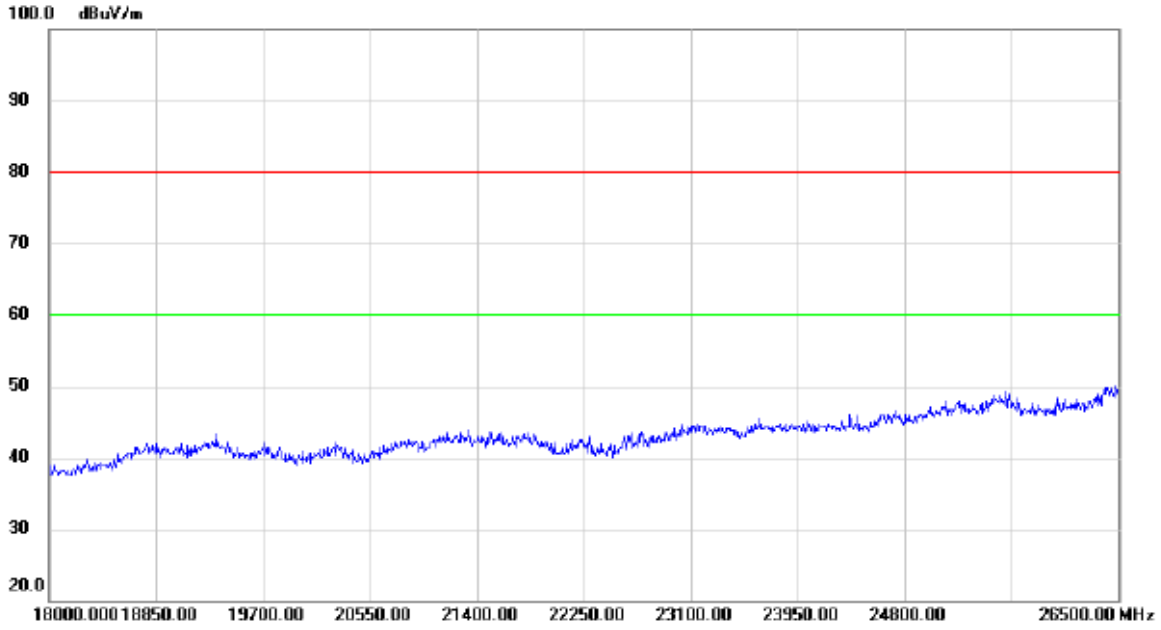
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 2

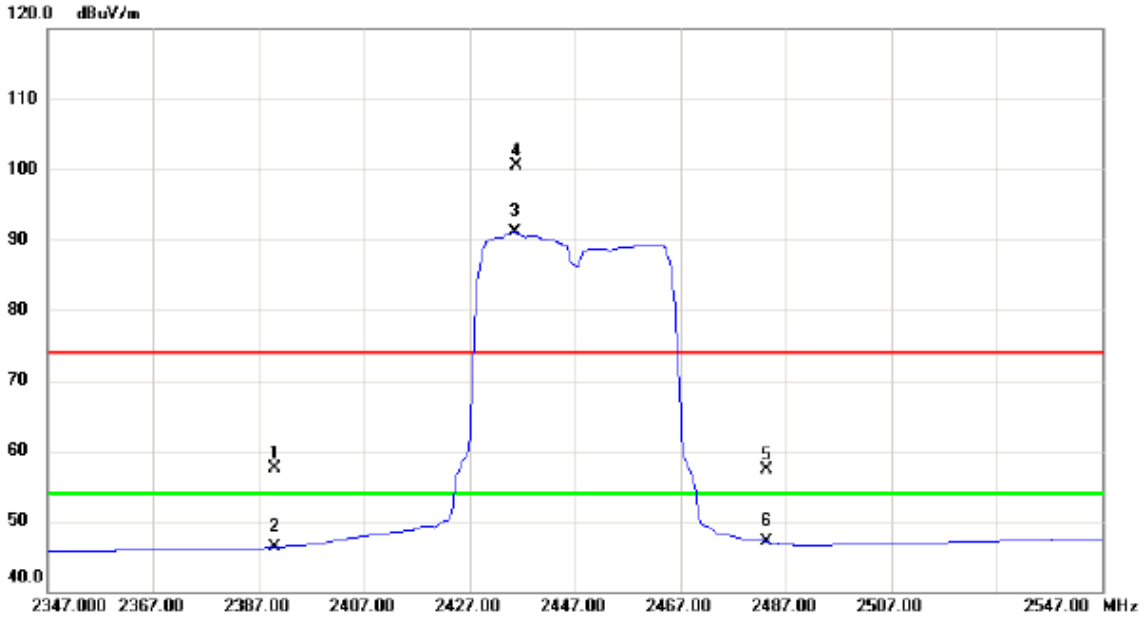
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 2

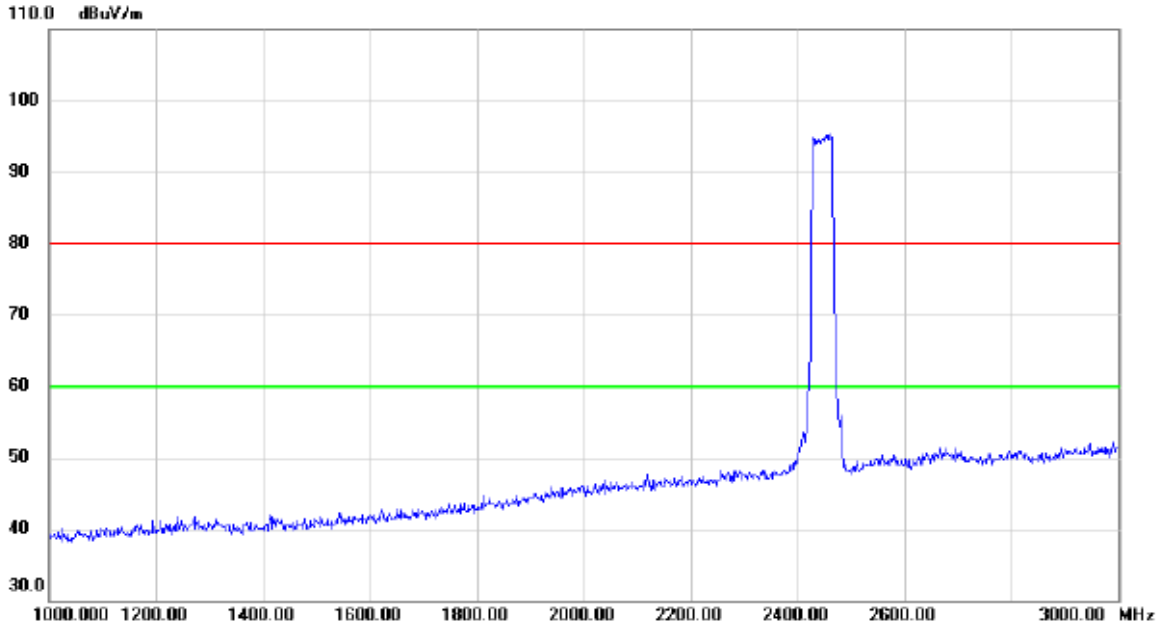
Horizontal



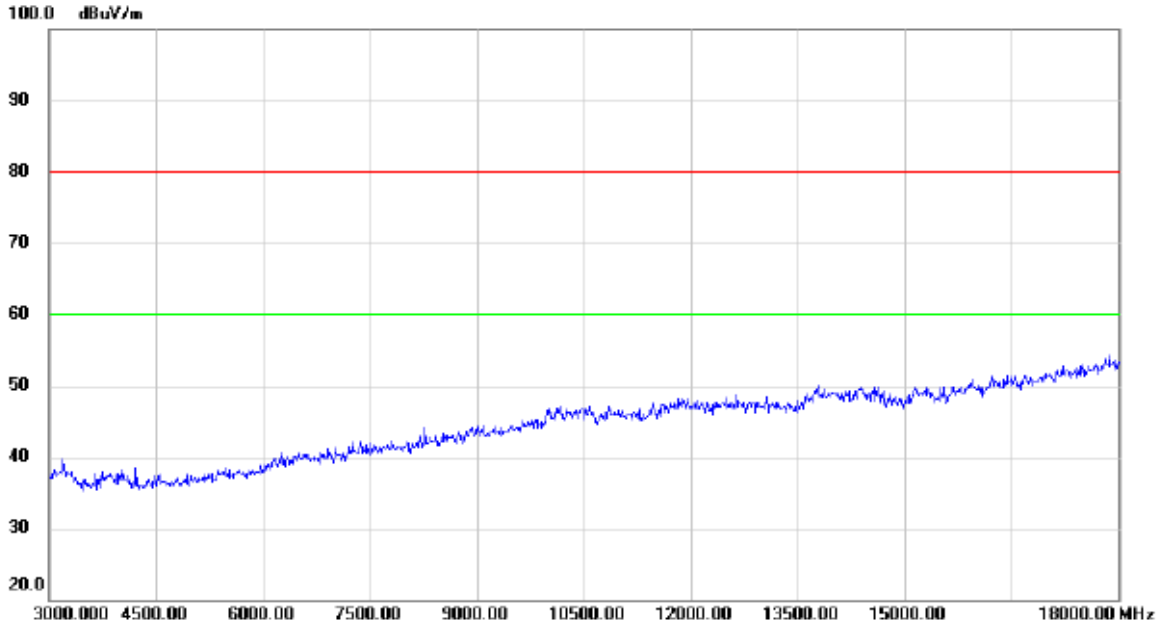
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	24.54	33.01	57.55	74.00	-16.45	peak	
2		2390.000	13.28	33.01	46.29	54.00	-7.71	AVG	
3	*	2435.600	57.89	33.20	91.09	54.00	37.09	AVG	No Limit
4	X	2435.800	67.23	33.20	100.43	74.00	26.43	peak	No Limit
5		2483.500	23.86	33.40	57.26	74.00	-16.74	peak	
6		2483.500	13.70	33.40	47.10	54.00	-6.90	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 2

Horizontal



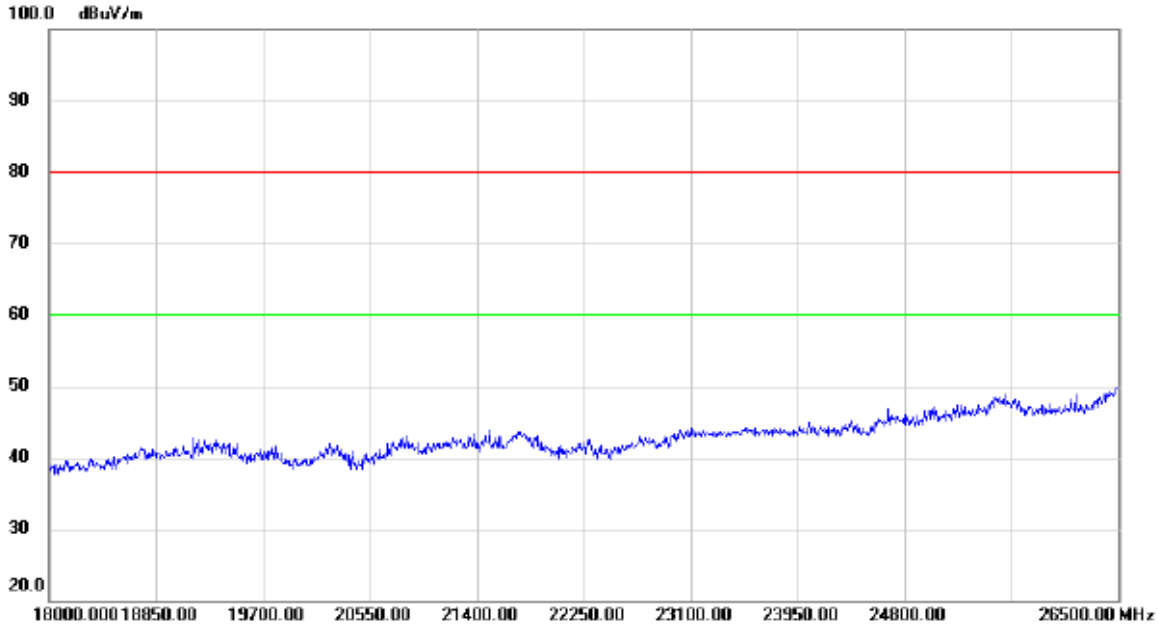
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_ANT 2

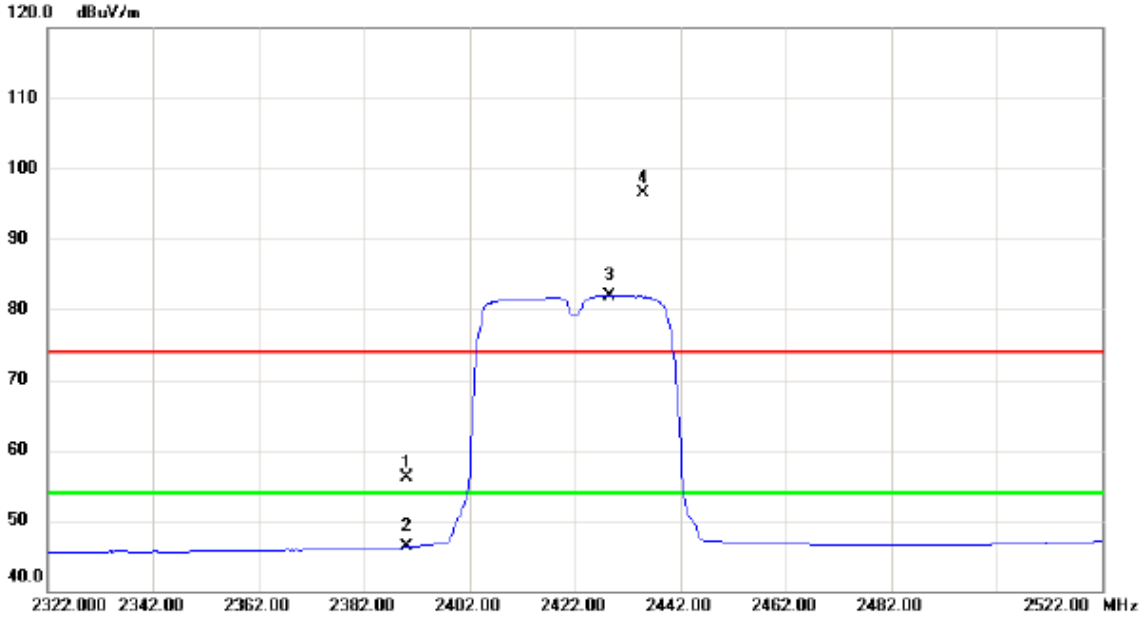
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_MIMO

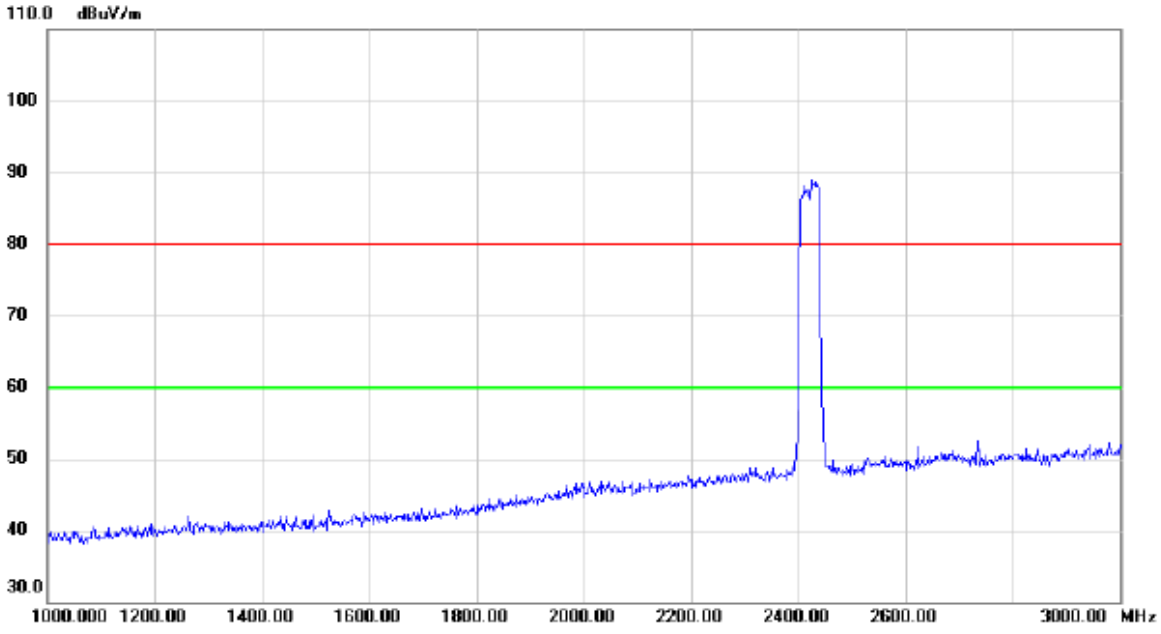
Vertical



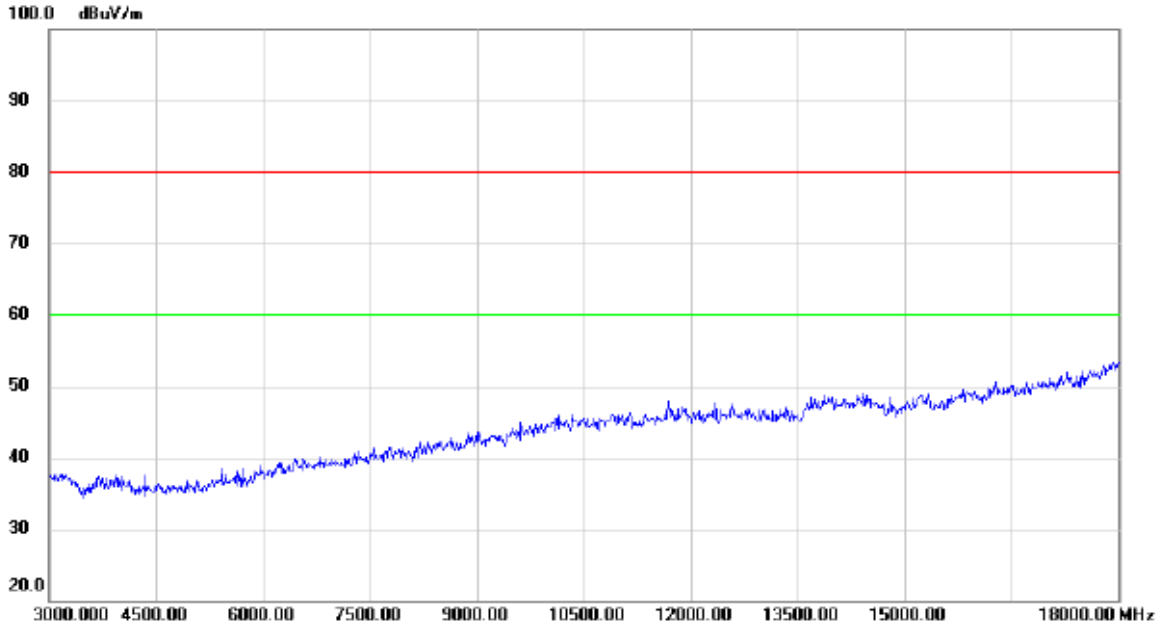
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	23.12	33.01	56.13	74.00	-17.87	peak	
2		2390.000	13.22	33.01	46.23	54.00	-7.77	AVG	
3	*	2428.400	48.79	33.17	81.96	54.00	27.96	AVG	No Limit
4	X	2434.800	63.23	33.20	96.43	74.00	22.43	peak	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_MIMO

Vertical



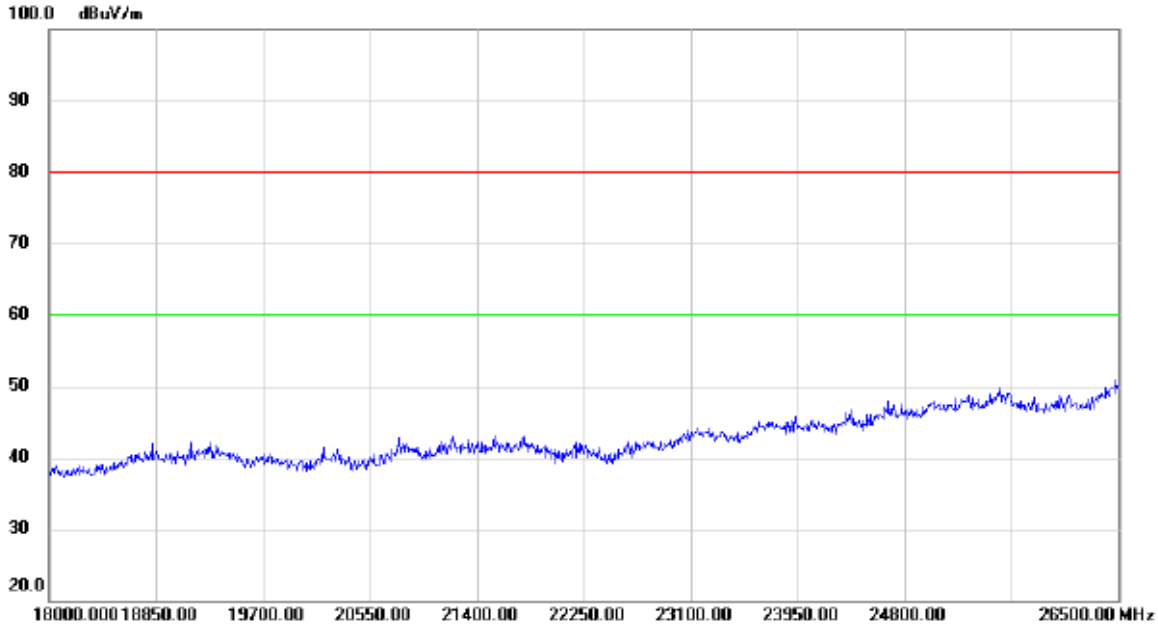
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_MIMO

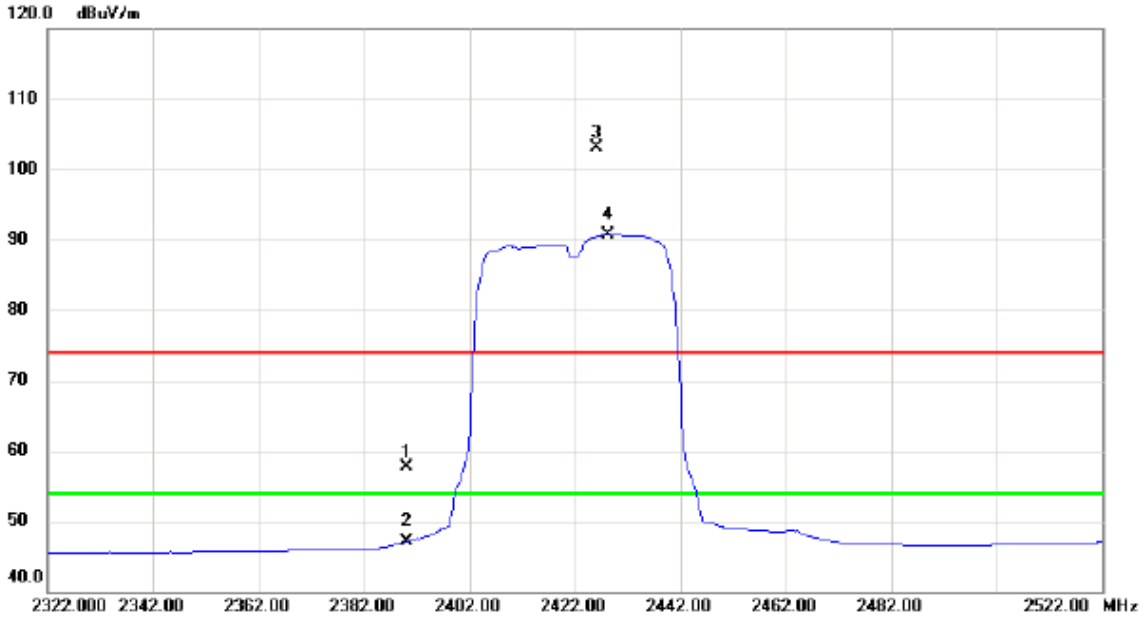
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_MIMO

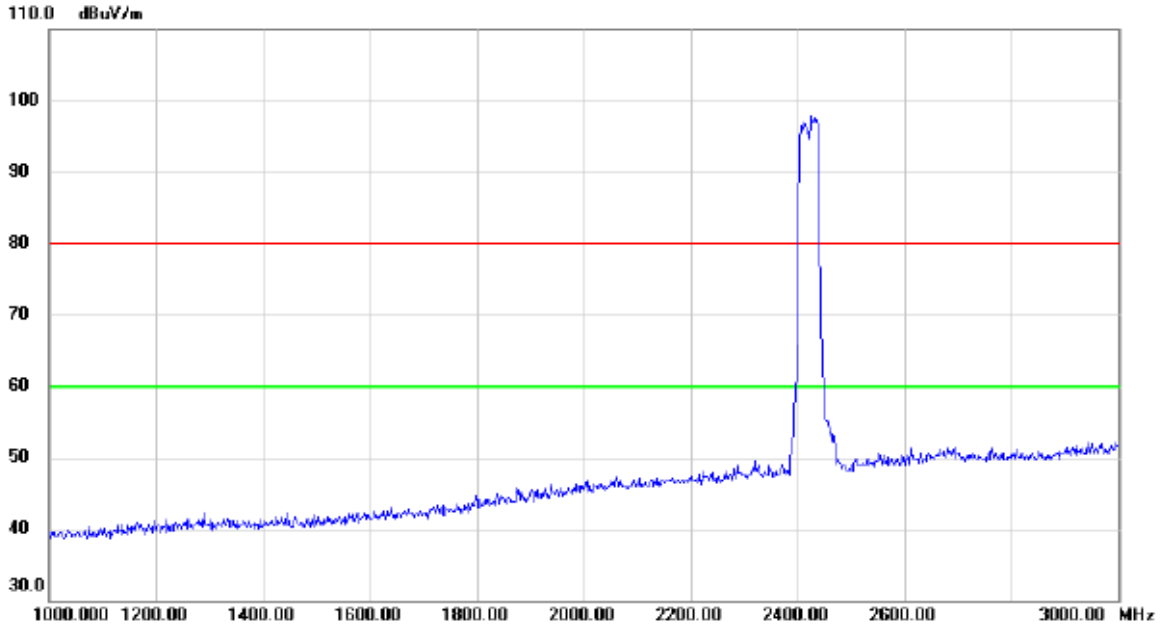
Horizontal



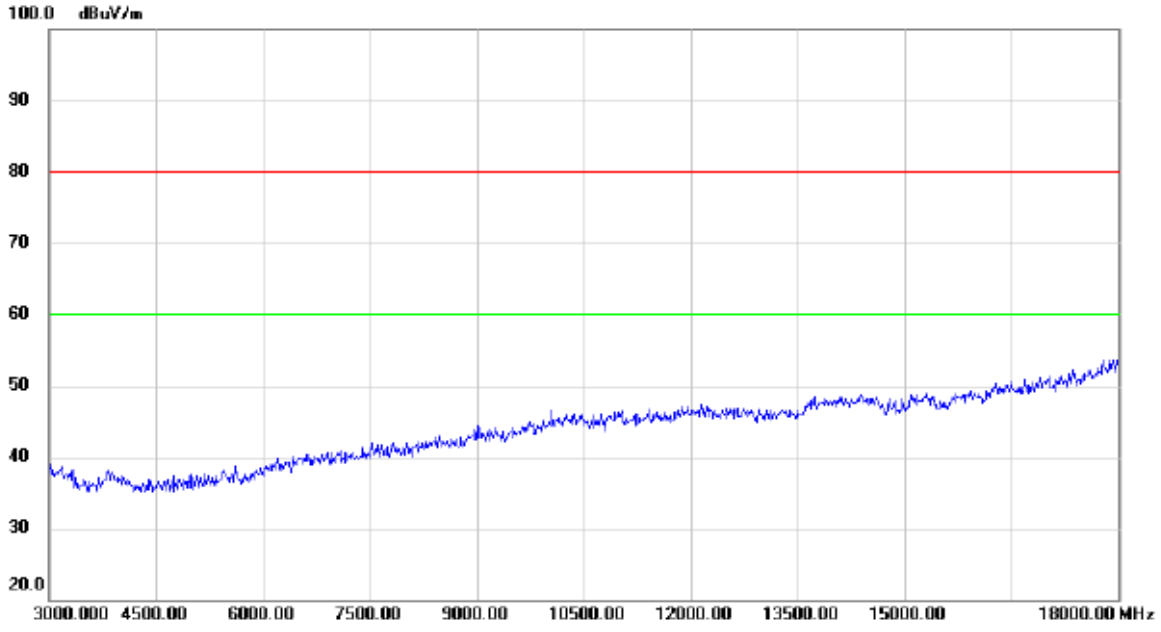
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	24.73	33.01	57.74	74.00	-16.26	peak	
2		2390.000	14.08	33.01	47.09	54.00	-6.91	AVG	
3	X	2426.000	69.95	33.16	103.11	74.00	29.11	peak	No Limit
4	*	2428.200	57.52	33.17	90.69	54.00	36.69	AVG	No Limit

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_MIMO

Horizontal



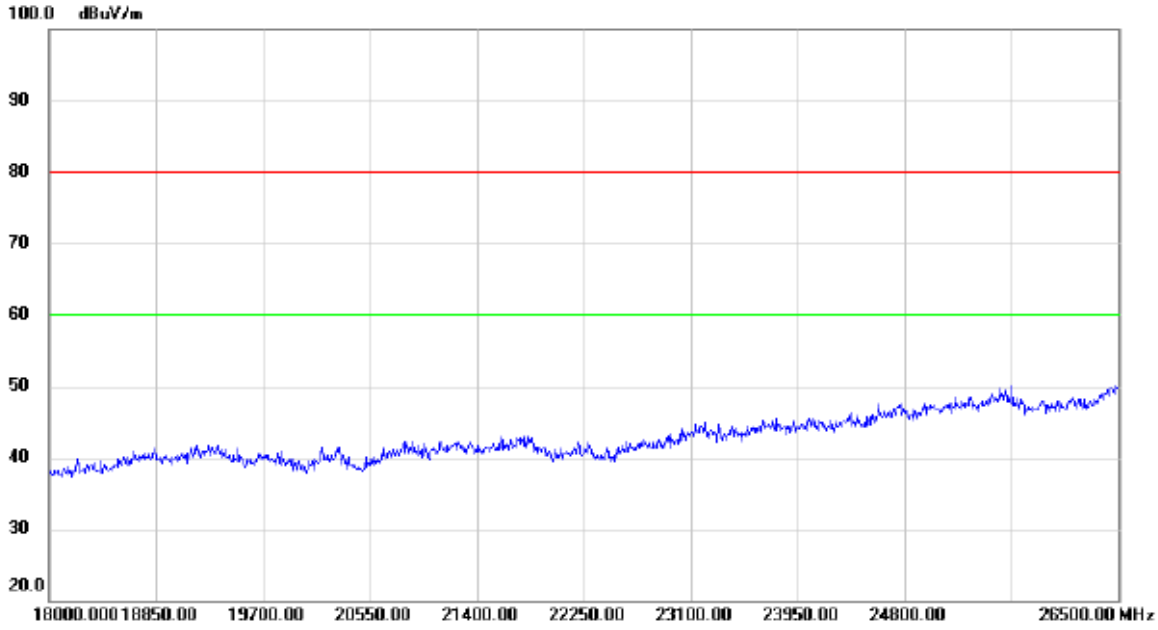
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2422MHz_MIMO

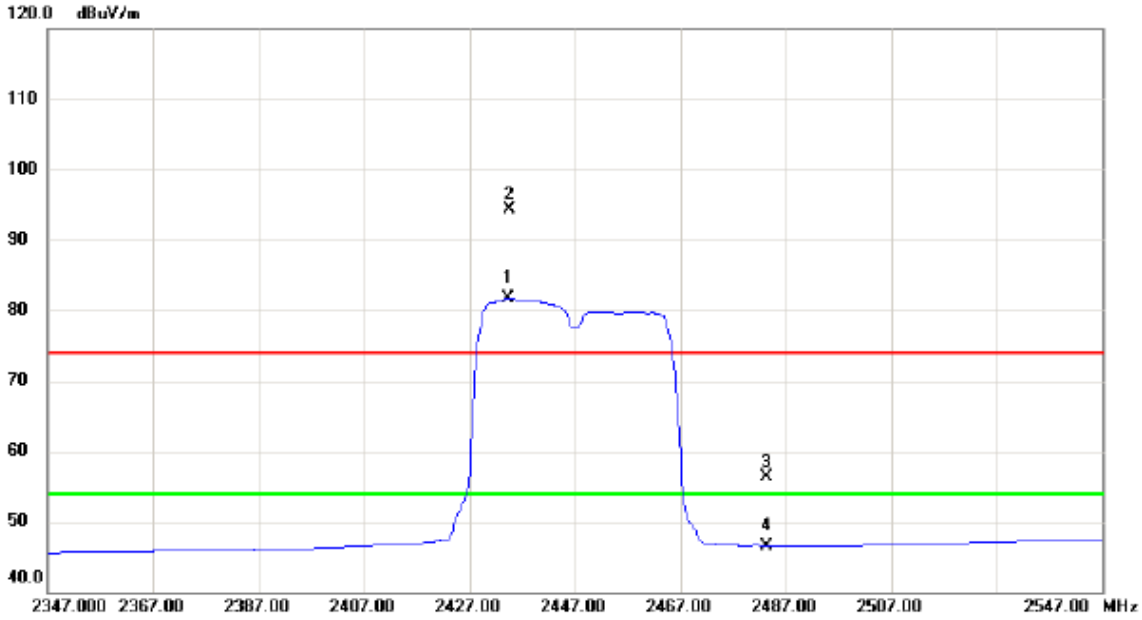
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_MIMO

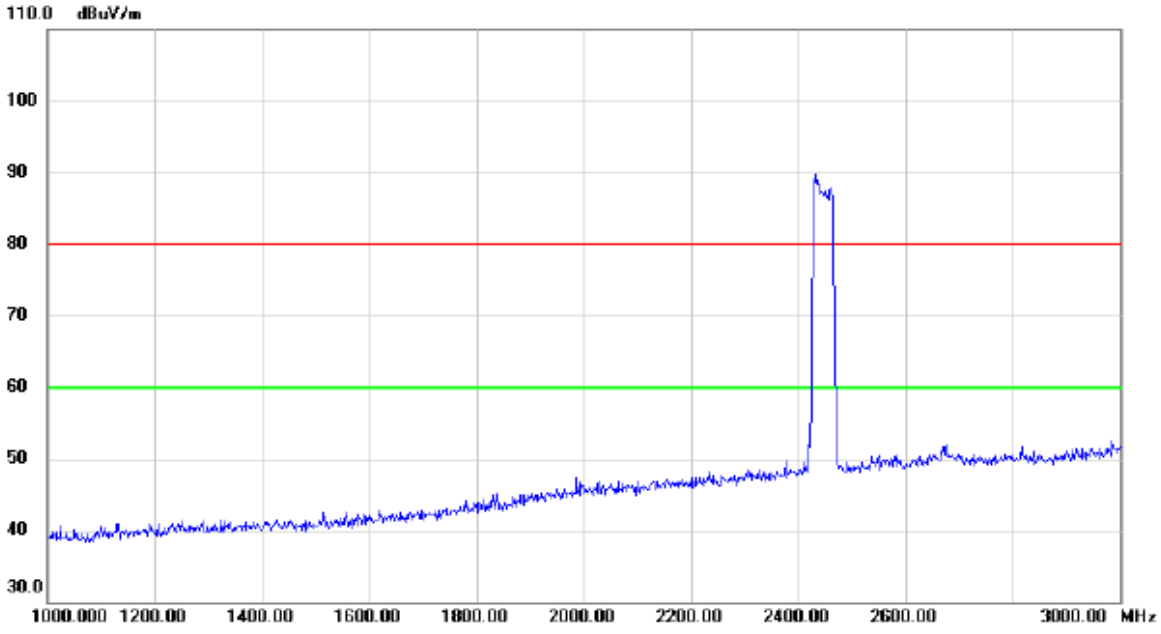
Vertical



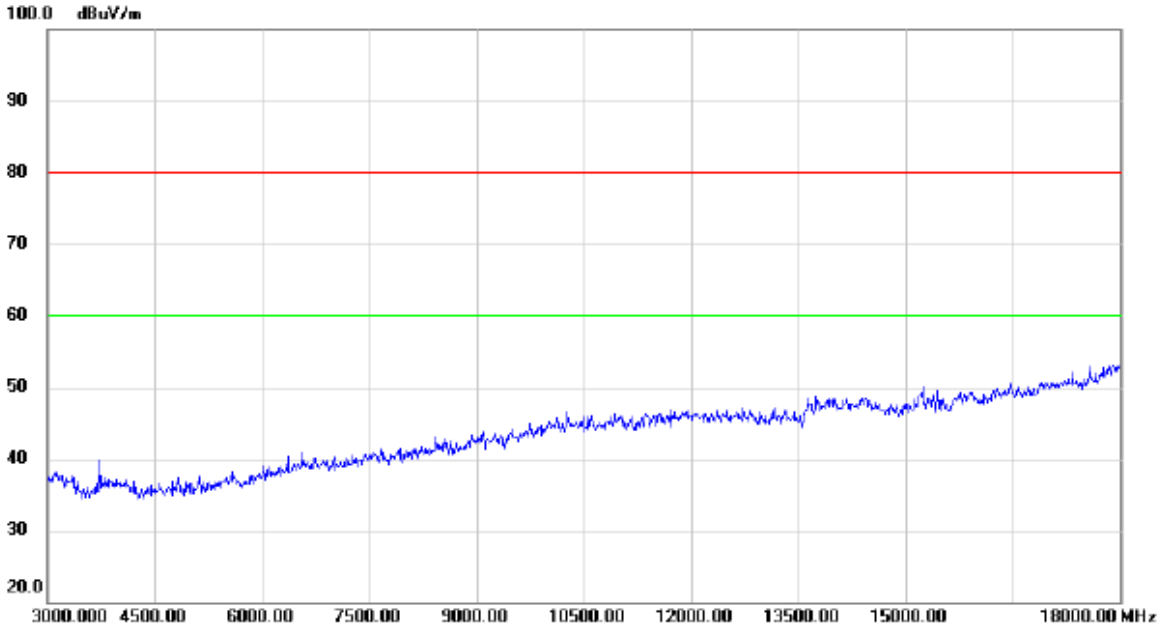
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2434.400	48.54	33.20	81.74	54.00	27.74	AVG	No Limit
2	X	2434.600	61.18	33.20	94.38	74.00	20.38	peak	No Limit
3		2483.500	22.94	33.40	56.34	74.00	-17.66	peak	
4		2483.500	13.14	33.40	46.54	54.00	-7.46	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_MIMO

Vertical



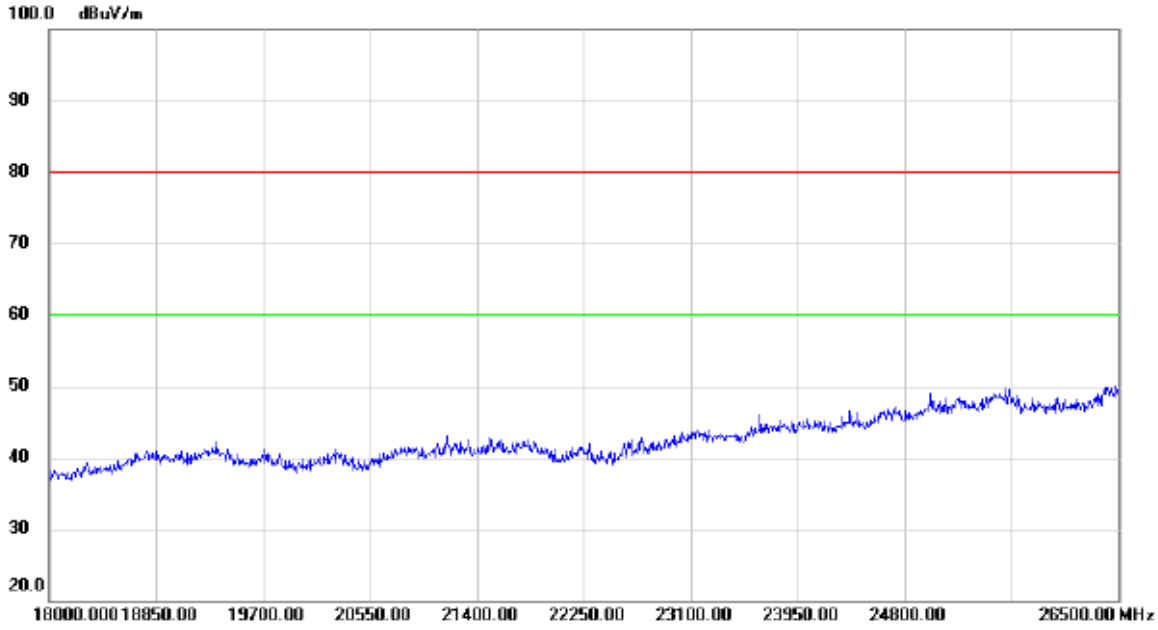
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_MIMO

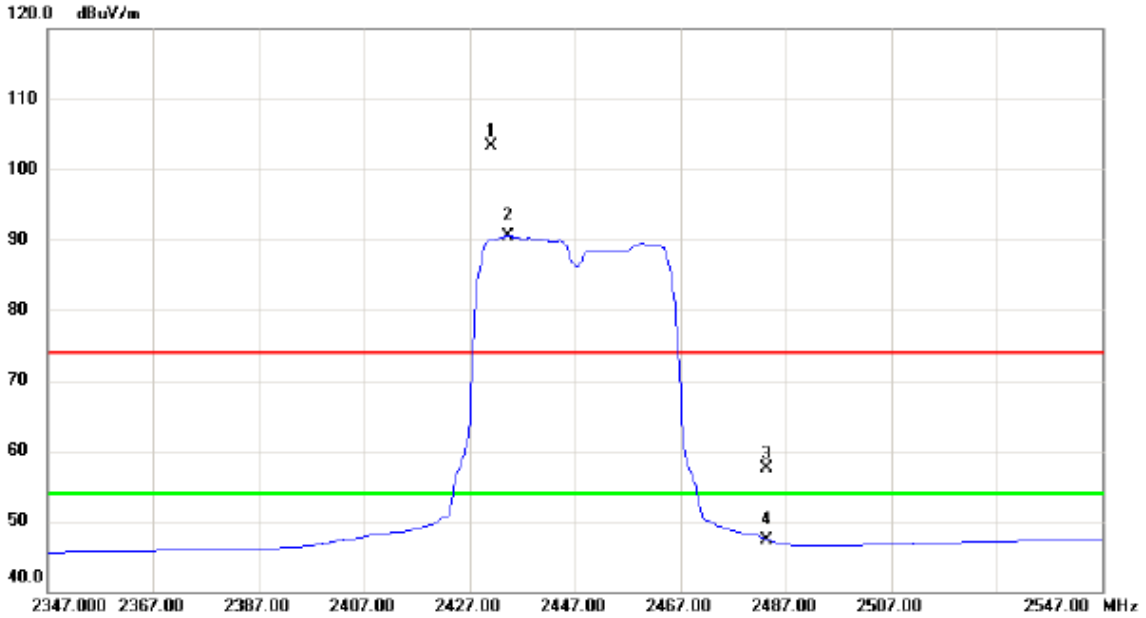
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_MIMO

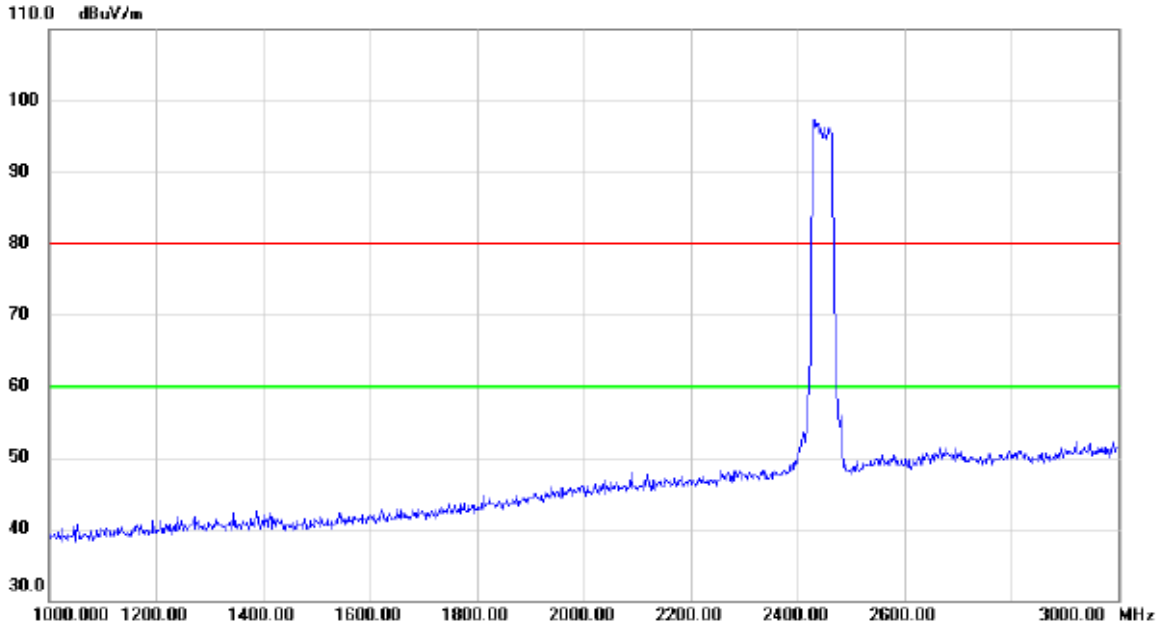
Horizontal



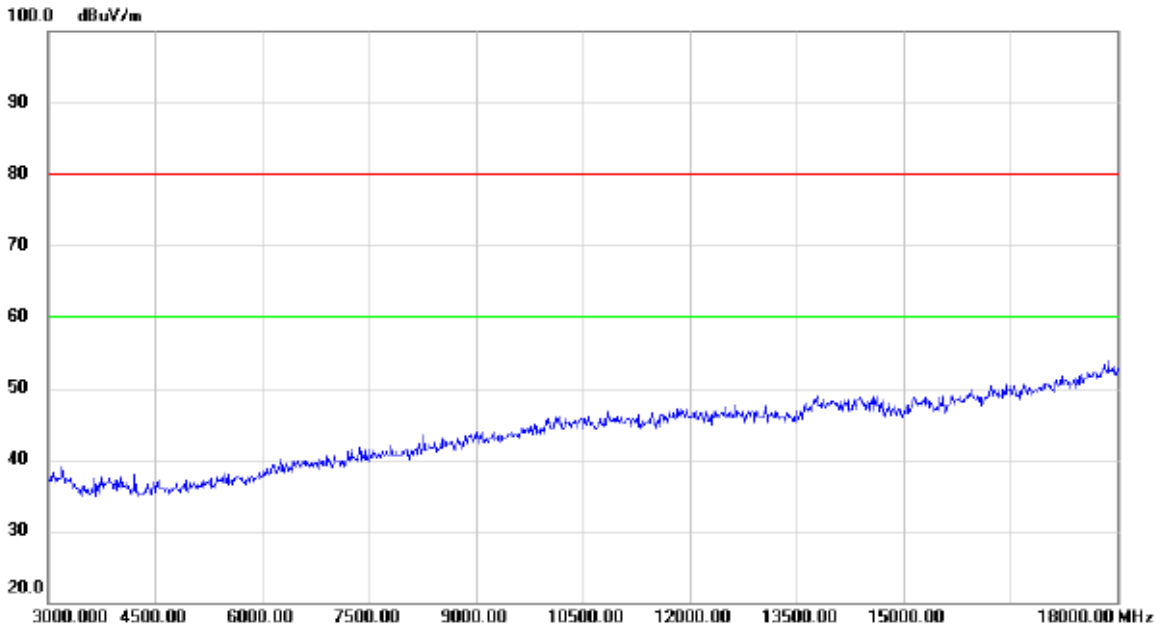
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2431.000	70.12	33.18	103.30	74.00	29.30	peak	No Limit
2	*	2434.400	57.29	33.20	90.49	54.00	36.49	AVG	No Limit
3		2483.500	24.07	33.40	57.47	74.00	-16.53	peak	
4		2483.500	13.99	33.40	47.39	54.00	-6.61	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_MIMO

Horizontal



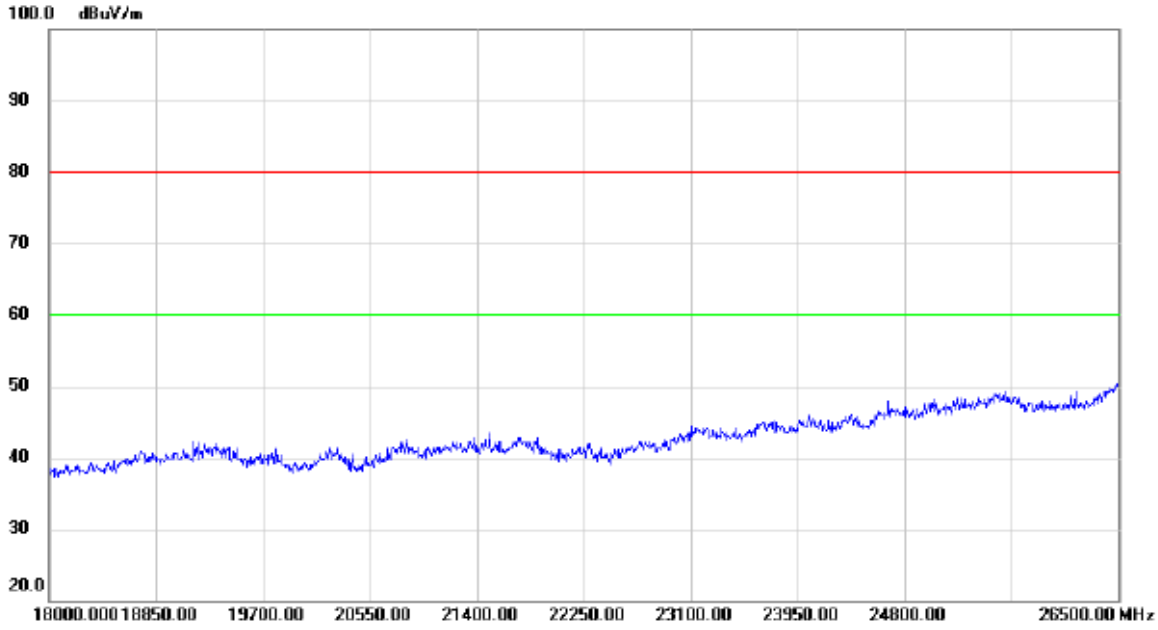
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2447MHz_MIMO

Horizontal



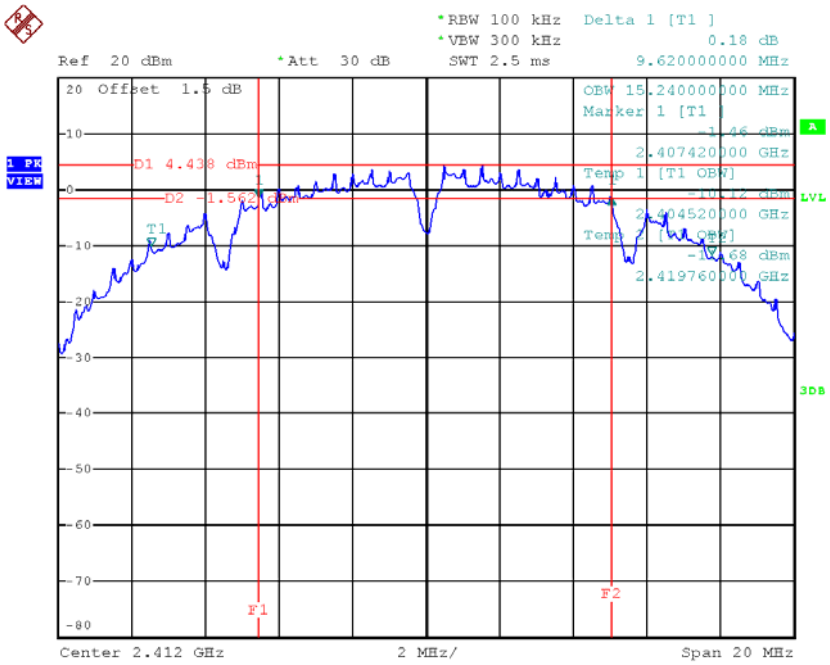
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment

ATTACHMENT E - BANDWIDTH

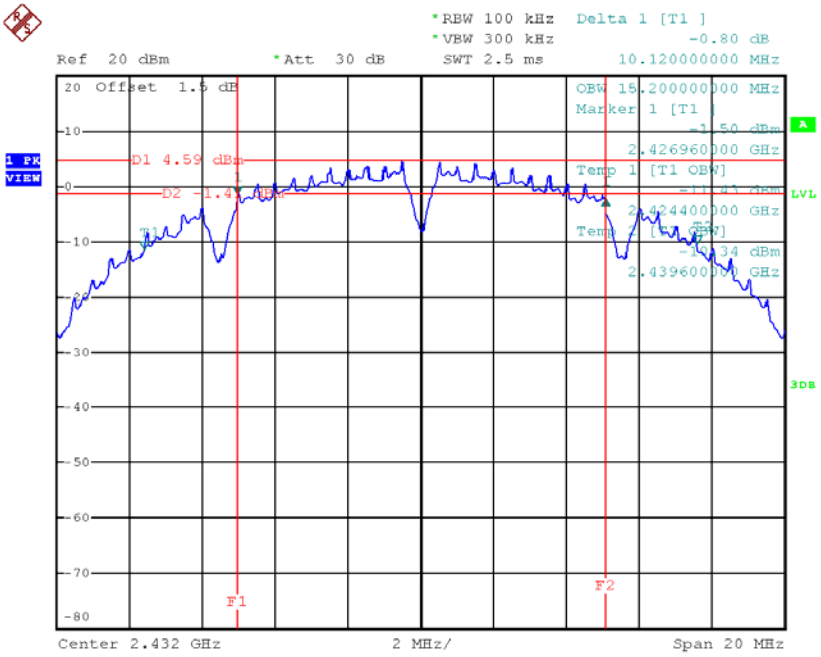
Test Mode : TX B Mode_CH01/05/10

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.62	15.24	500	Complies
2437	10.12	15.20	500	Complies
2457	10.04	15.24	500	Complies

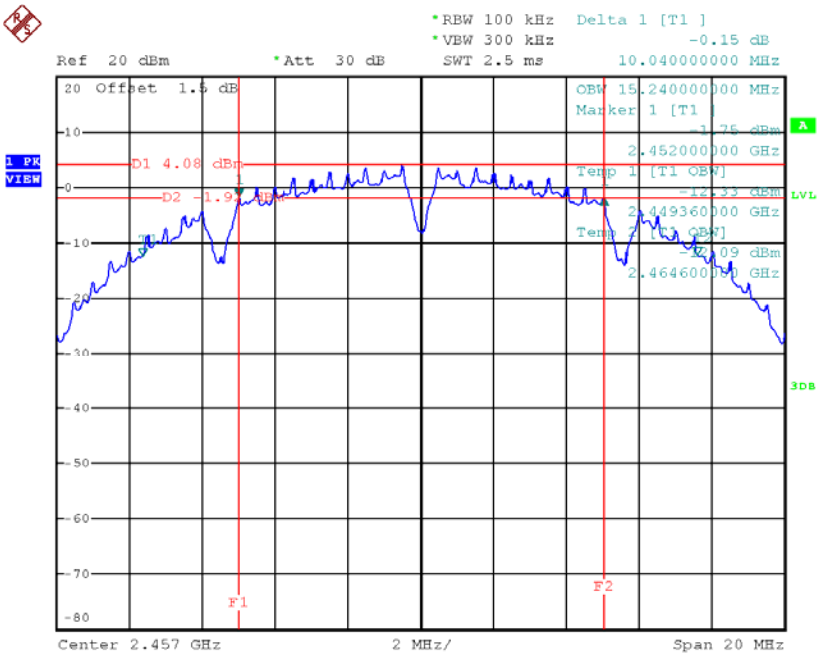
TX CH01



TX CH05



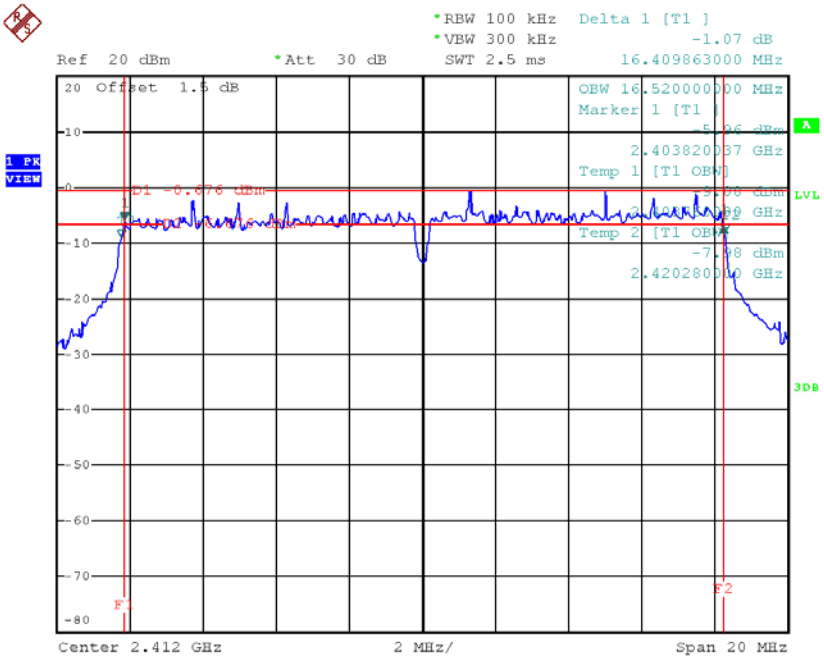
TX CH10



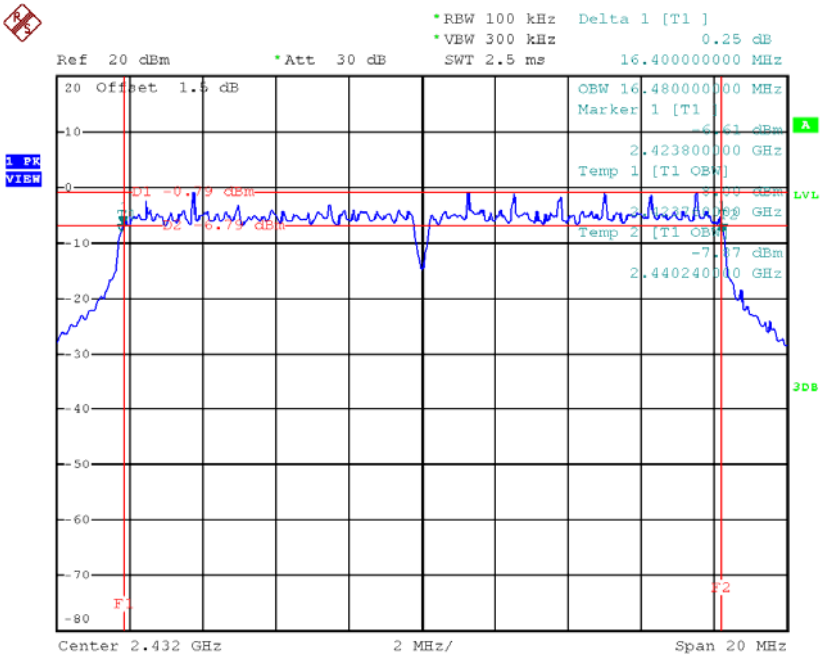
Test Mode: TX G Mode_CH01/05/10

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.41	16.52	500	Complies
2437	16.40	16.48	500	Complies
2457	16.40	16.48	500	Complies

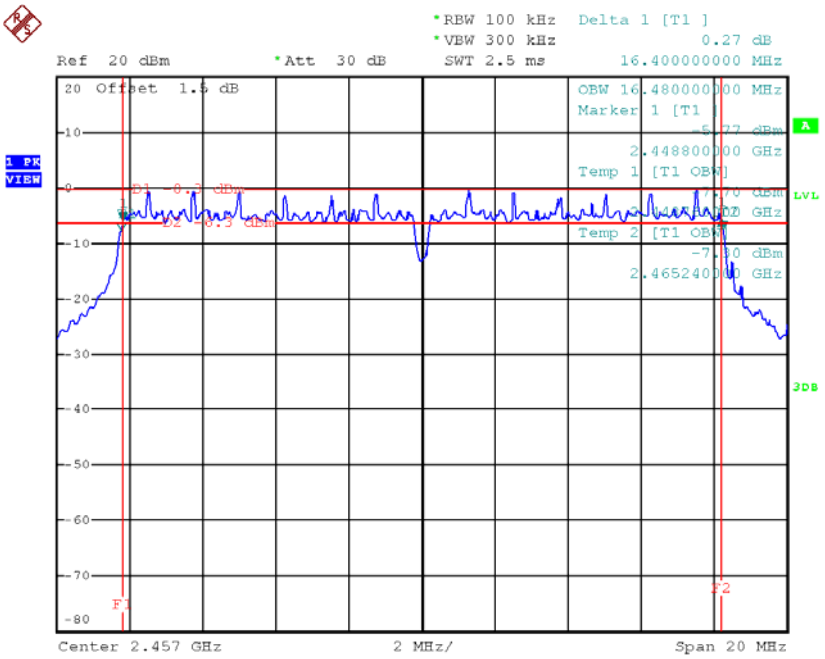
TX CH01



TX CH05



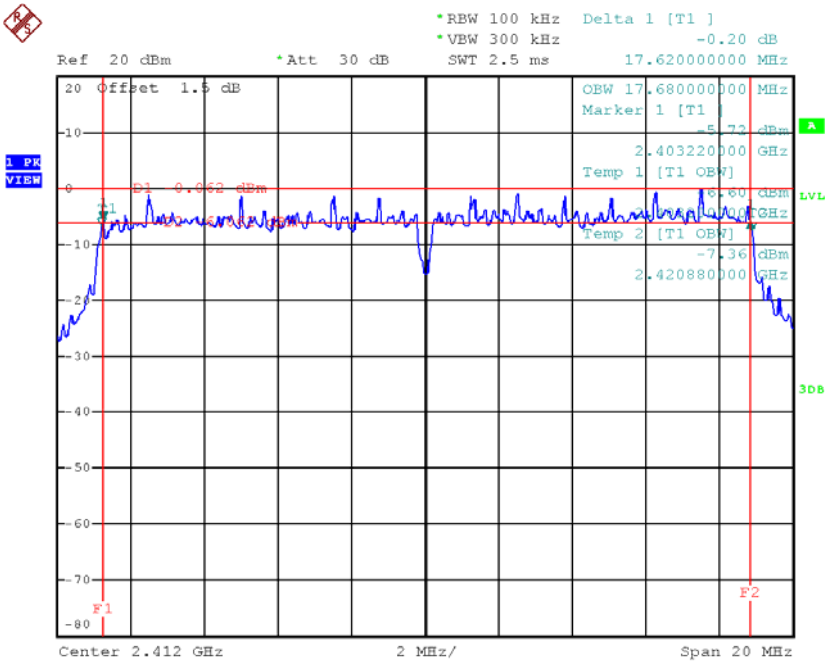
TX CH10



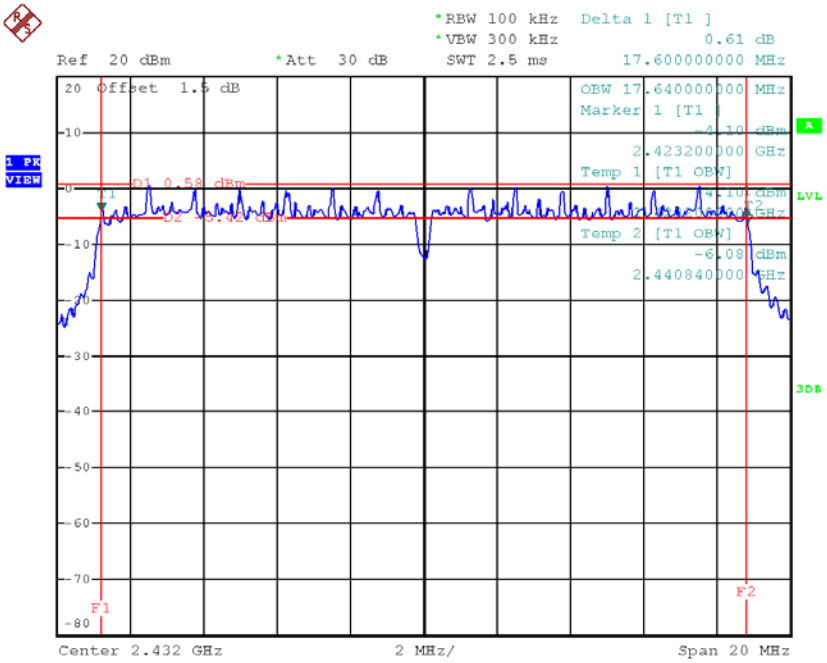
Test Mode : TX N-20MHz Mode_CH01/05/10_ANT 1

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.62	17.68	500	Complies
2437	17.60	17.64	500	Complies
2457	17.68	17.68	500	Complies

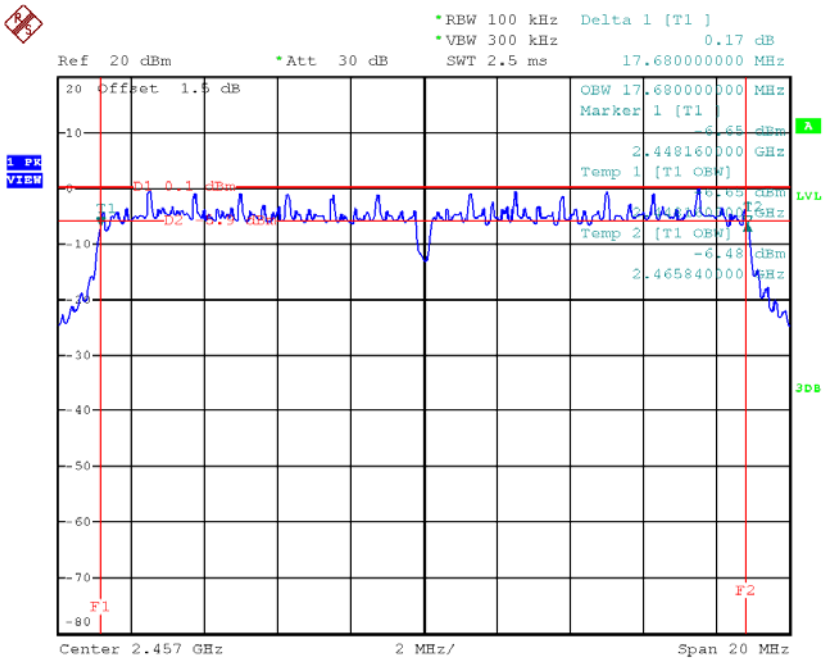
TX CH01



TX CH05



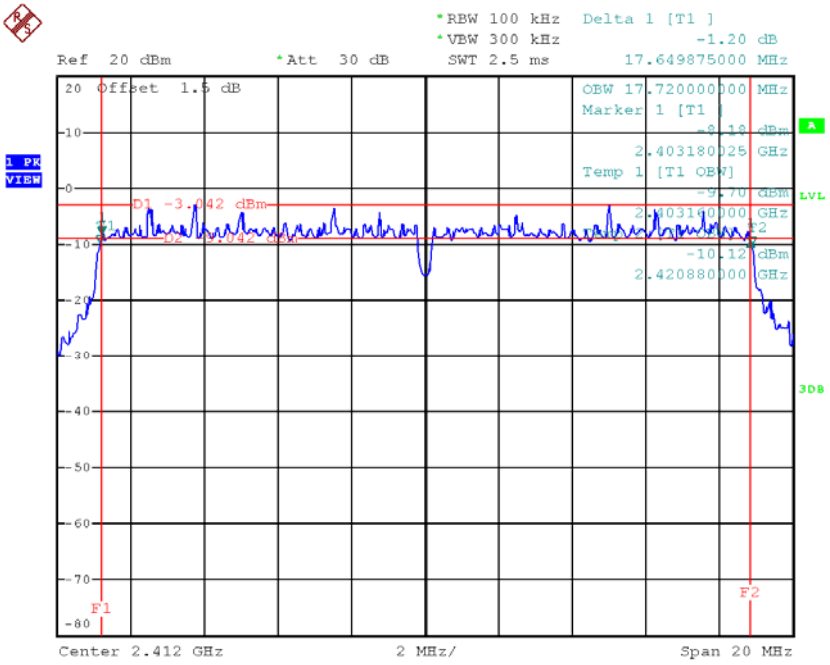
TX CH10



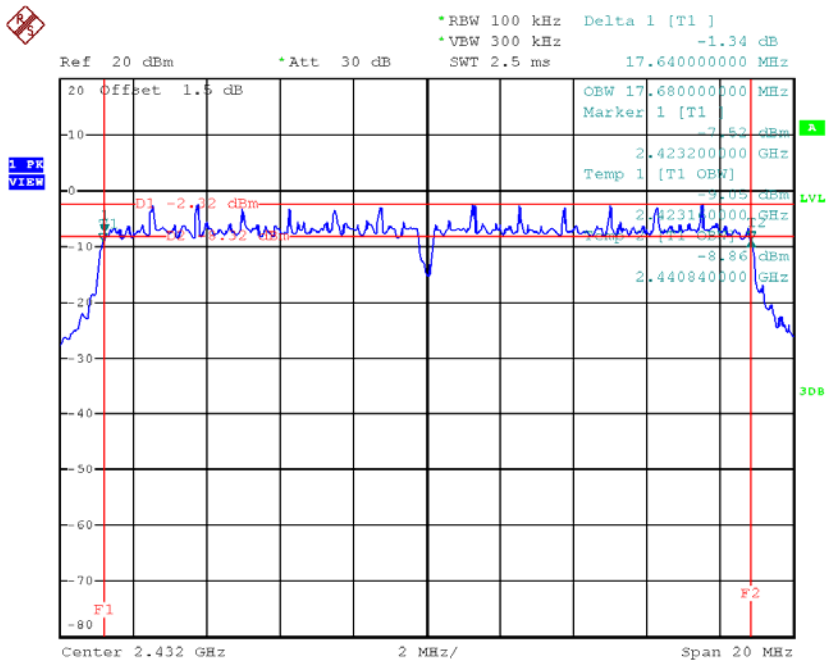
Test Mode : TX N-20MHz Mode_CH01/05/10_ANT 2

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.65	17.72	500	Complies
2437	17.64	17.68	500	Complies
2457	17.64	17.68	500	Complies

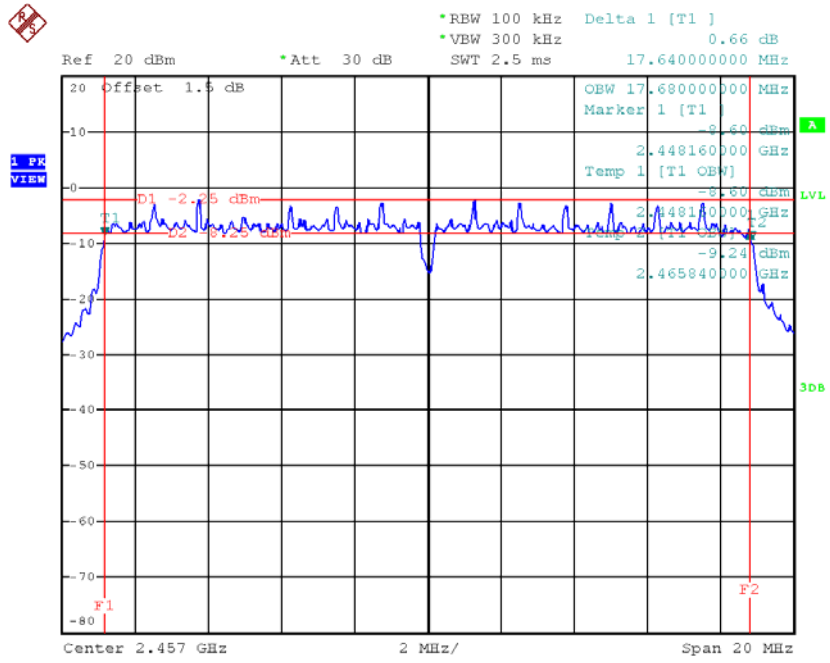
TX CH01



TX CH05

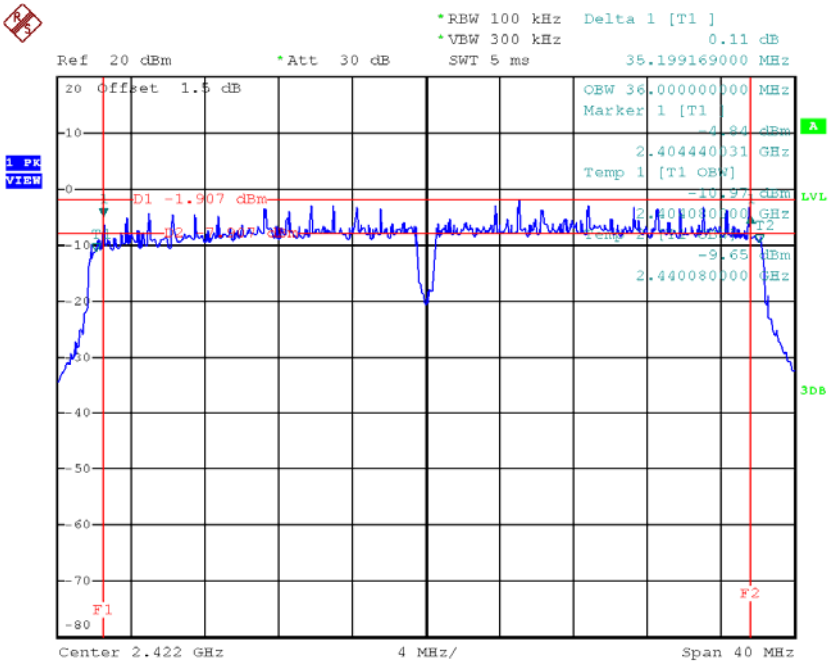


TX CH10

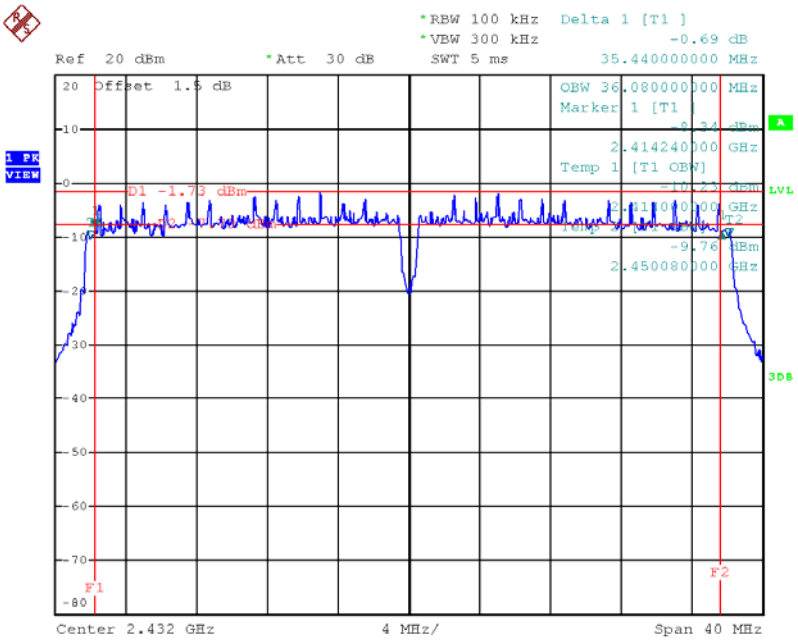


Test Mode : TX N-40MHz Mode_CH03/05/08_ANT 1				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.20	36.00	500	Complies
2437	35.44	36.08	500	Complies
2447	36.16	36.16	500	Complies

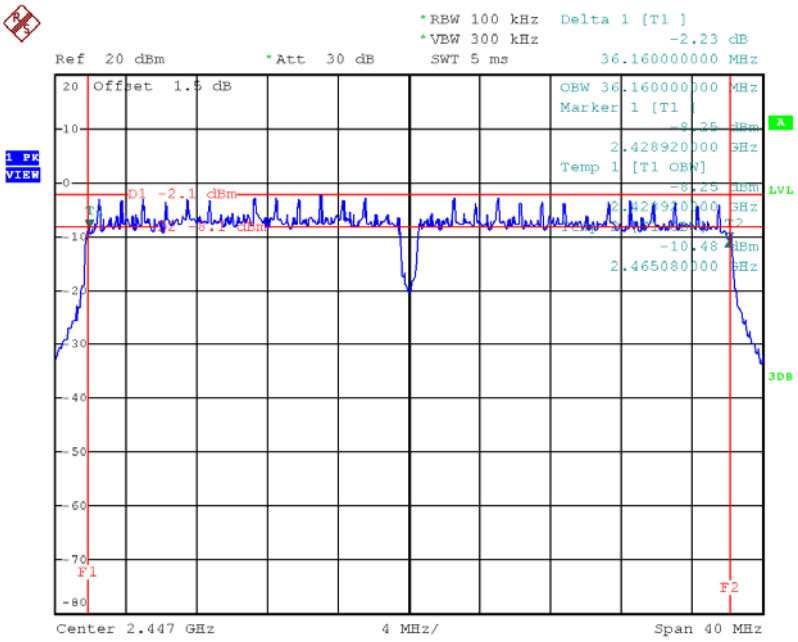
TX CH03



TX CH05

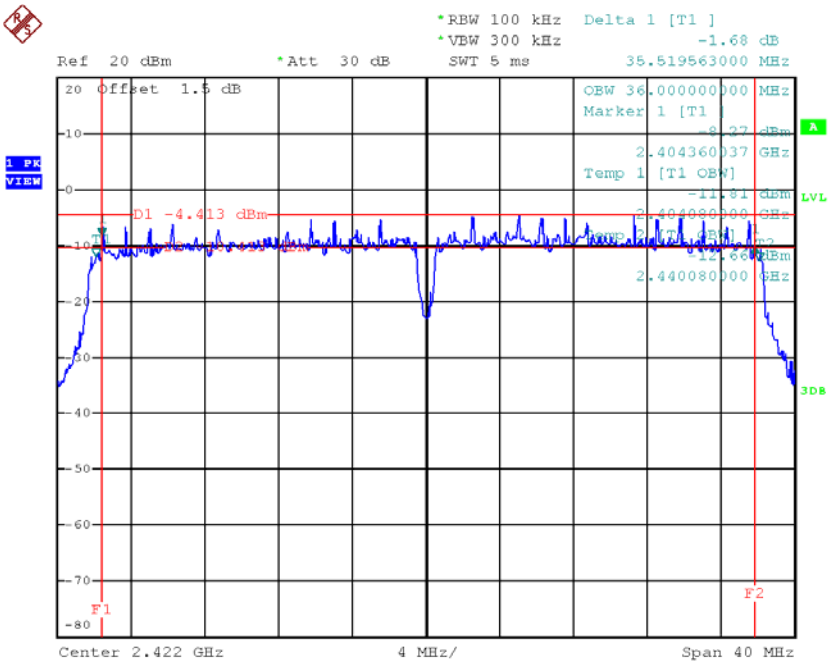


TX CH09

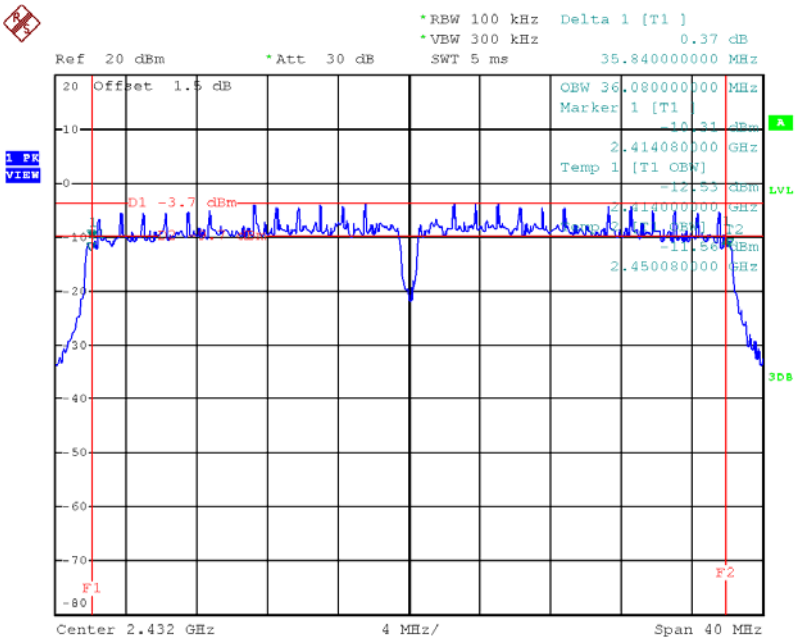


Test Mode : TX N-40MHz Mode_CH03/05/08_ANT 2				
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.52	36.00	500	Complies
2437	35.84	36.08	500	Complies
2447	35.92	36.00	500	Complies

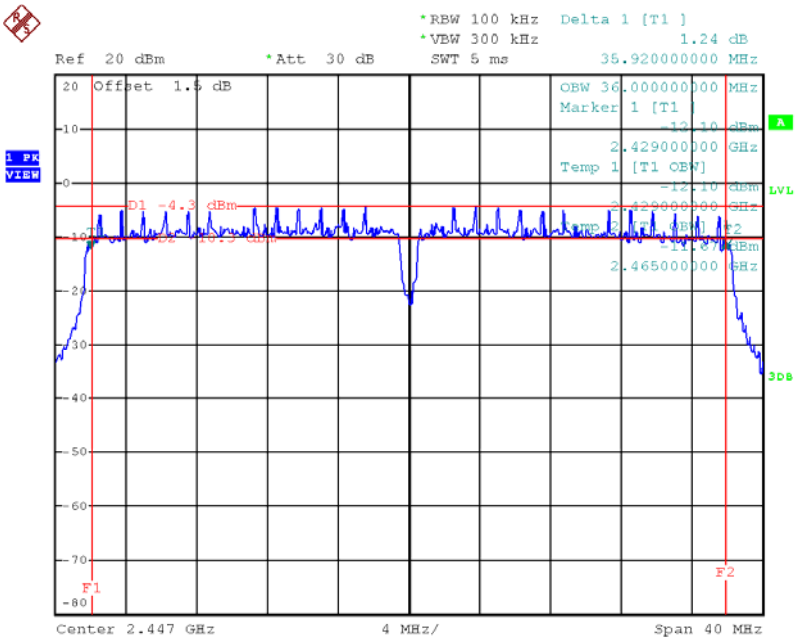
TX CH03



TX CH05



TX CH09



ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode :TX B Mode_CH01/05/10					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.51	0.0448	30.00	1.00	Complies
2437	15.72	0.0373	30.00	1.00	Complies
2457	15.43	0.0349	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/05/10					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.80	0.0955	30.00	1.00	Complies
2437	20.64	0.1159	30.00	1.00	Complies
2457	20.54	0.1132	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/05/10_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.12	0.0649	30.00	1.00	Complies
2437	18.89	0.0774	30.00	1.00	Complies
2457	18.32	0.0679	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/05/10_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	21.33	0.1358	30.00	1.00	Complies
2437	21.30	0.1349	30.00	1.00	Complies
2457	21.12	0.1294	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/05/10_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.03	0.2007	30.00	1.00	Complies
2437	23.27	0.2123	30.00	1.00	Complies
2457	22.95	0.1973	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/05/08_ANT 1					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	18.36	0.0685	30.00	1.00	Complies
2437	18.54	0.0714	30.00	1.00	Complies
2447	18.64	0.0731	30.00	1.00	Complies

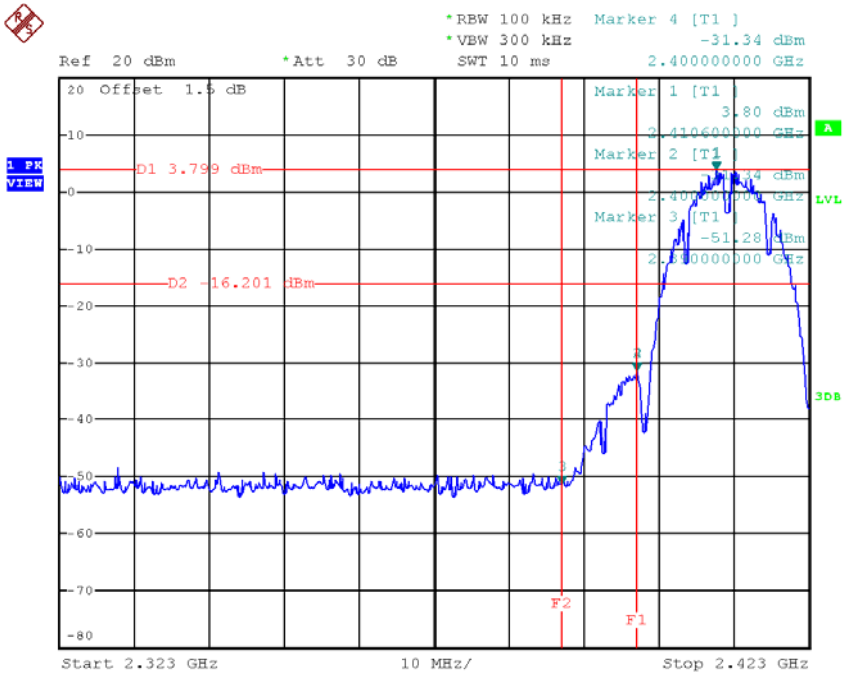
Test Mode :TX N40 Mode_CH03/05/08_ANT 2					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	21.30	0.1349	30.00	1.00	Complies
2437	21.21	0.1321	30.00	1.00	Complies
2447	21.33	0.1358	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/05/08_Total					
Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	23.08	0.2034	30.00	1.00	Complies
2437	23.09	0.2036	30.00	1.00	Complies
2447	23.20	0.2089	30.00	1.00	Complies

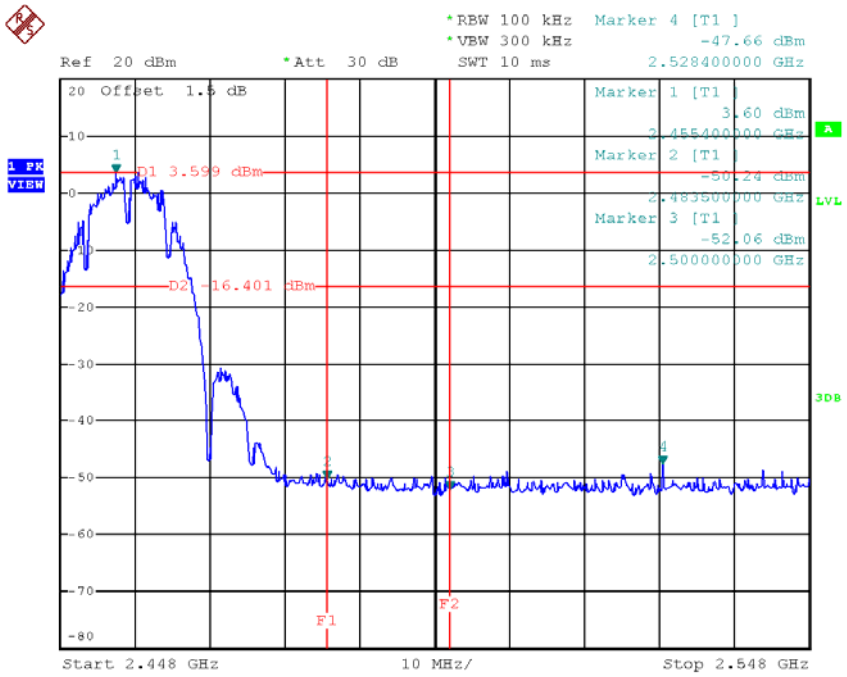
ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

Test Mode :	TX B Mode

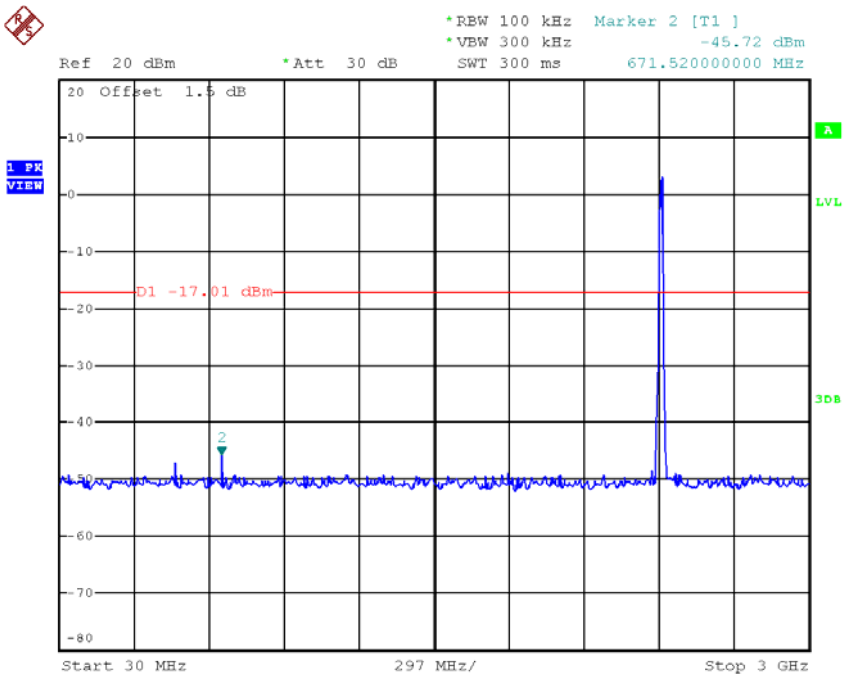
TX B mode CH01

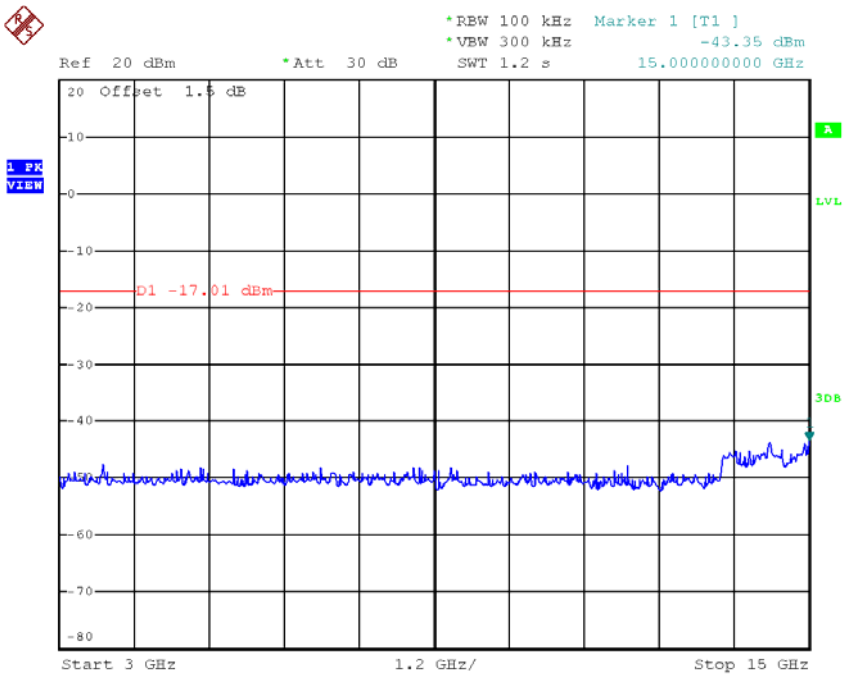


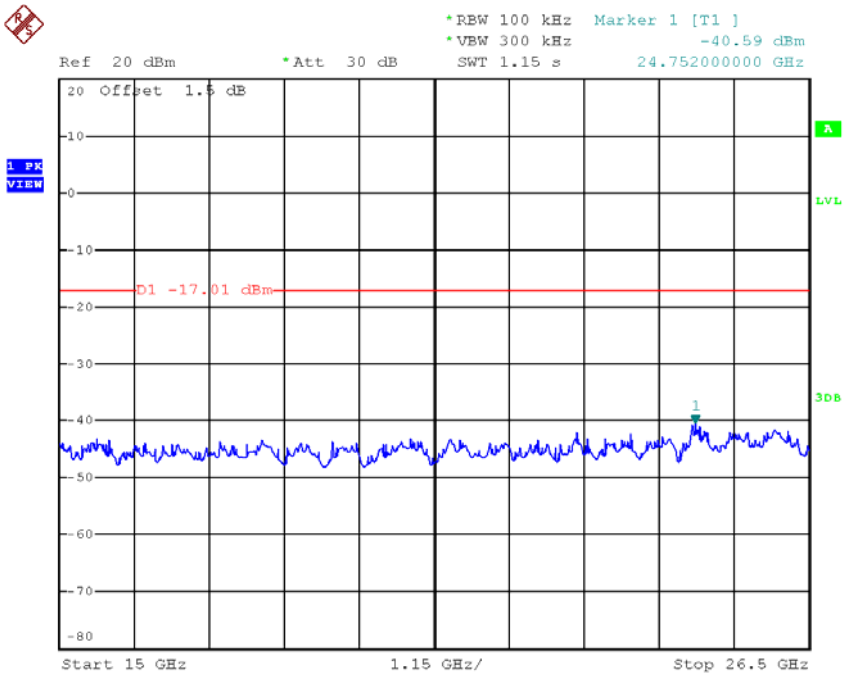
TX B mode CH10



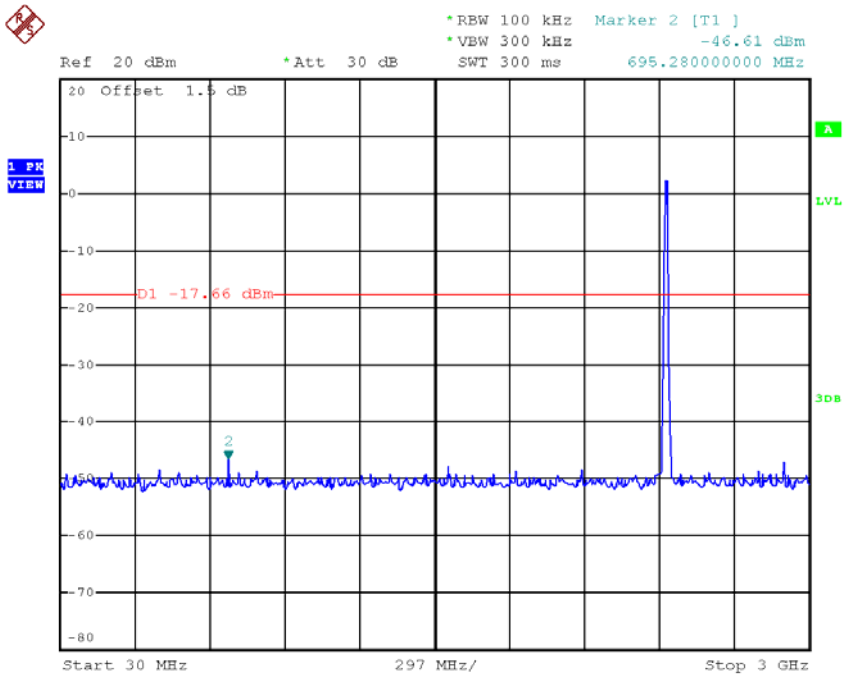
TX B mode CH01 (10 Harmonic of the frequency)

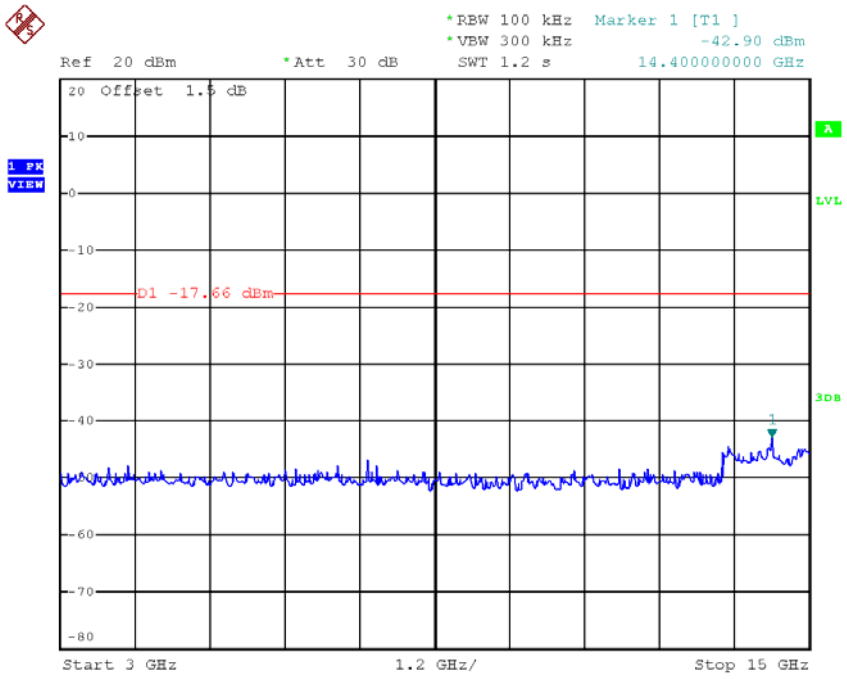


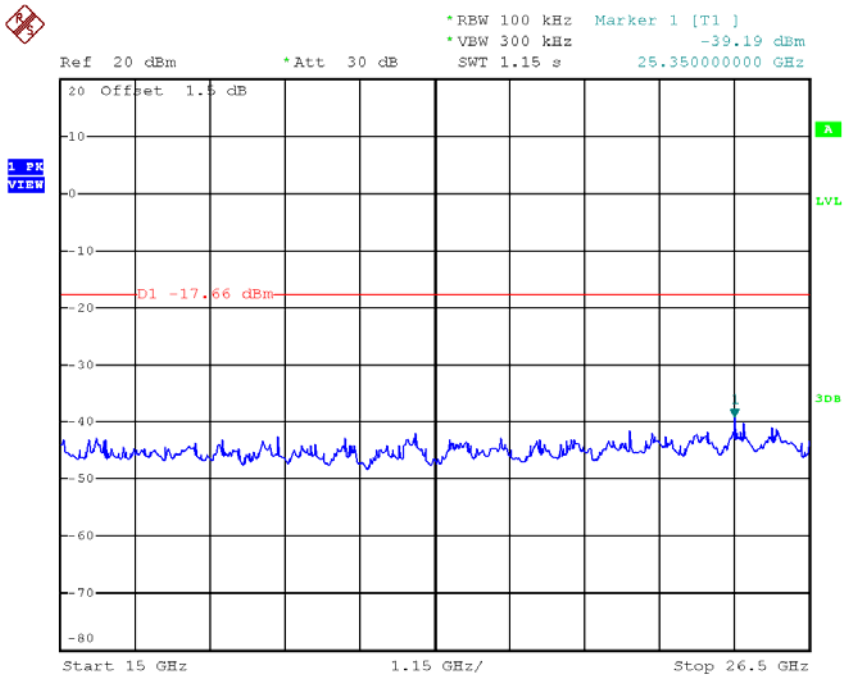




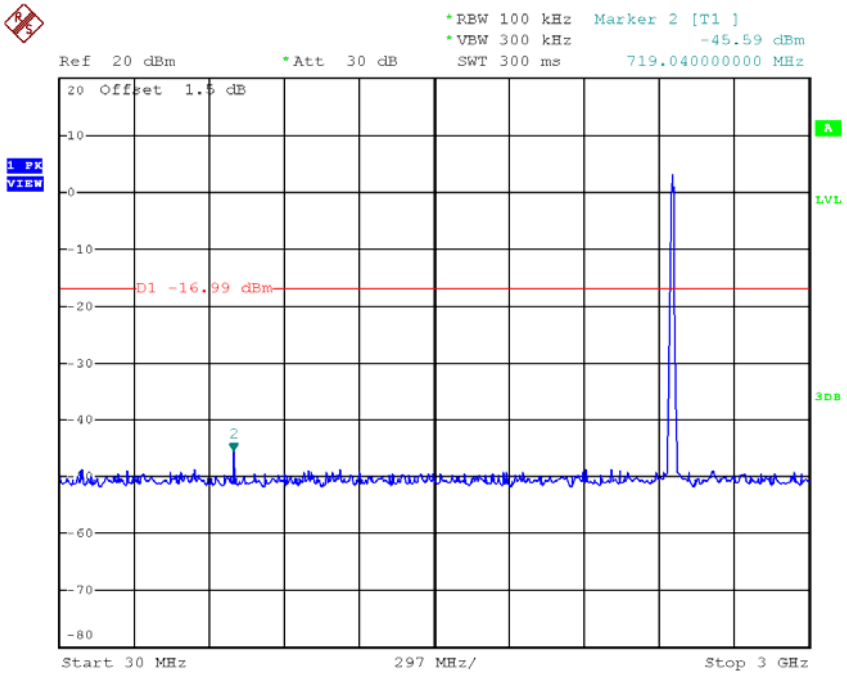
TX B mode CH05 (10 Harmonic of the frequency)

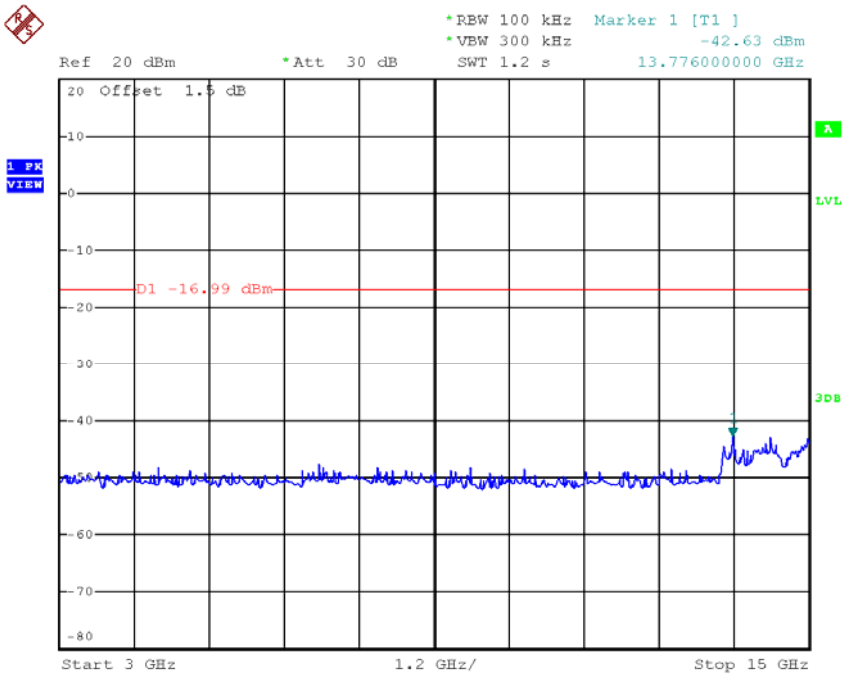


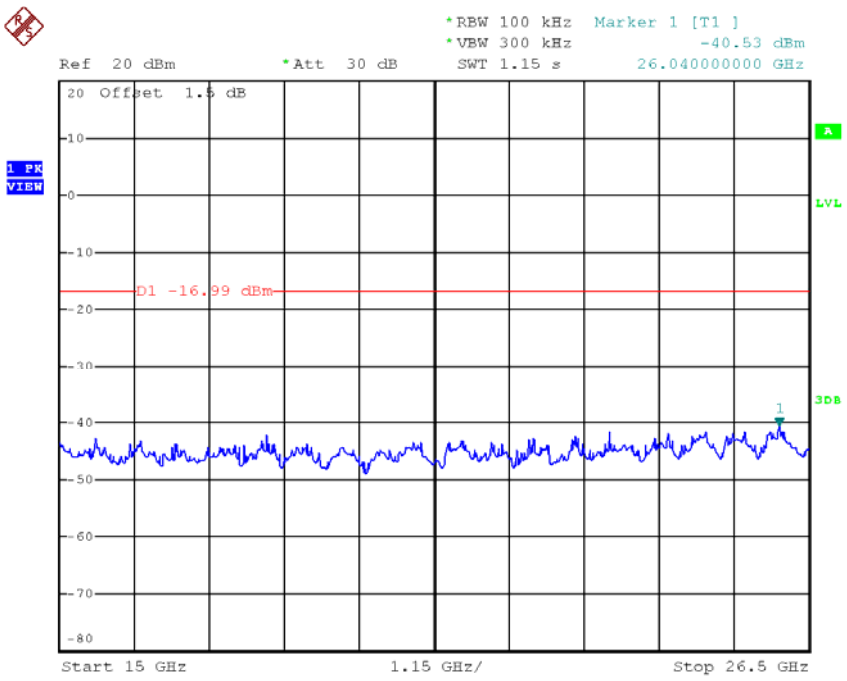

RBW 100 kHz
VBW 300 kHz
SWT 1.2 s
Marker 1 [T1]
-42.90 dBm
14.400000000 GHz
Ref 20 dBm
Att 30 dB
Offset 1.5 dB
D1 -17.66 dBm
1 PK VIEW
A
LVL
3DB
Start 3 GHz
1.2 GHz/
Stop 15 GHz


RBW 100 kHz
VBW 300 kHz
SWT 1.15 s
Marker 1 [T1]
-39.19 dBm
25.350000000 GHz
Ref 20 dBm
Att 30 dB
Offset 1.5 dB
D1 -17.66 dBm
1 PK VIEW
A
LVL
3DB
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

TX B mode CH10 (10 Harmonic of the frequency)

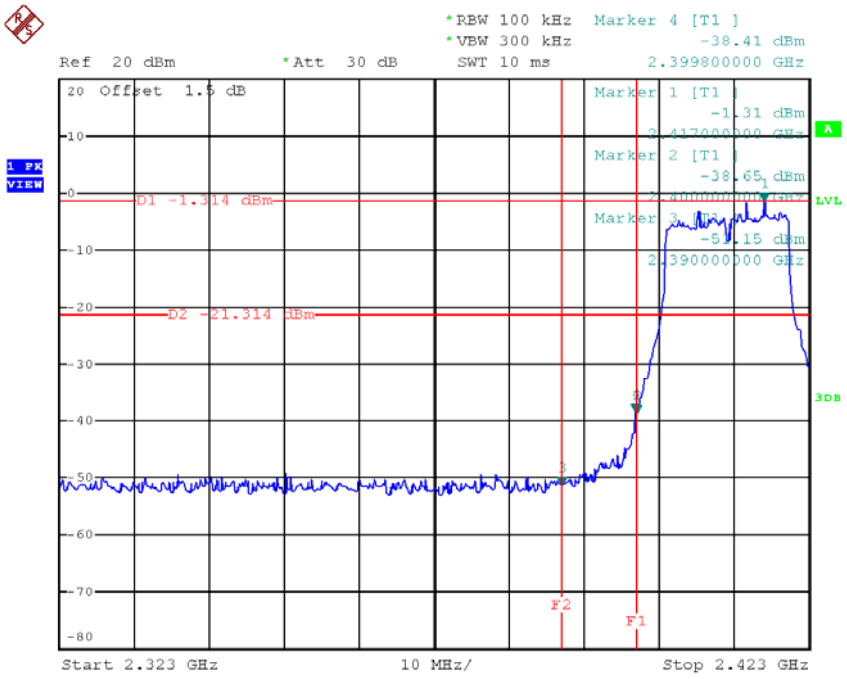




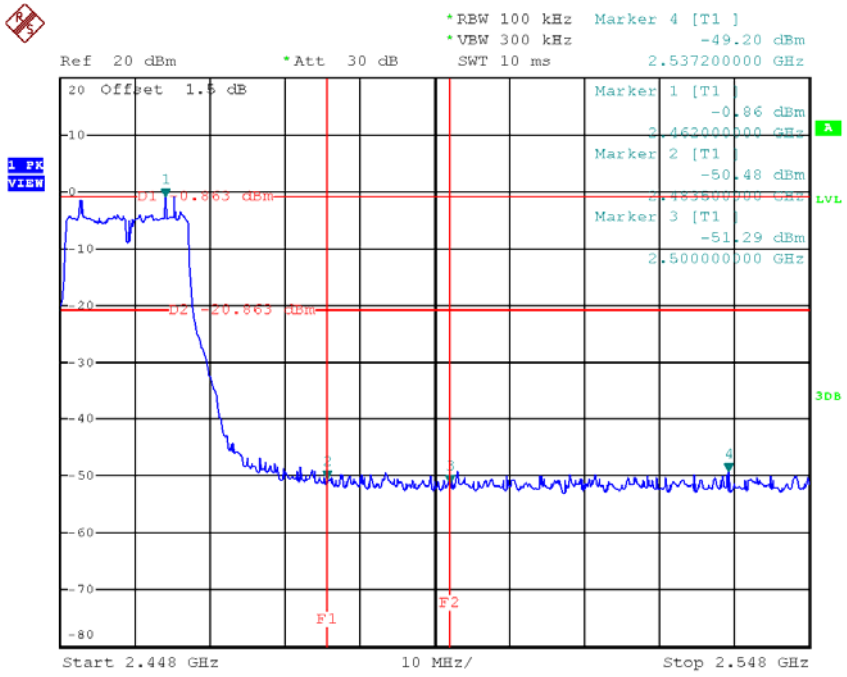

*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-40.53 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.15 s
26.040000000 GHz
20 Offset 1.6 dB
1 PK
VIEW
A
LVL
3DB
D1 -16.99 dBm
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

Test Mode :	TX G Mode

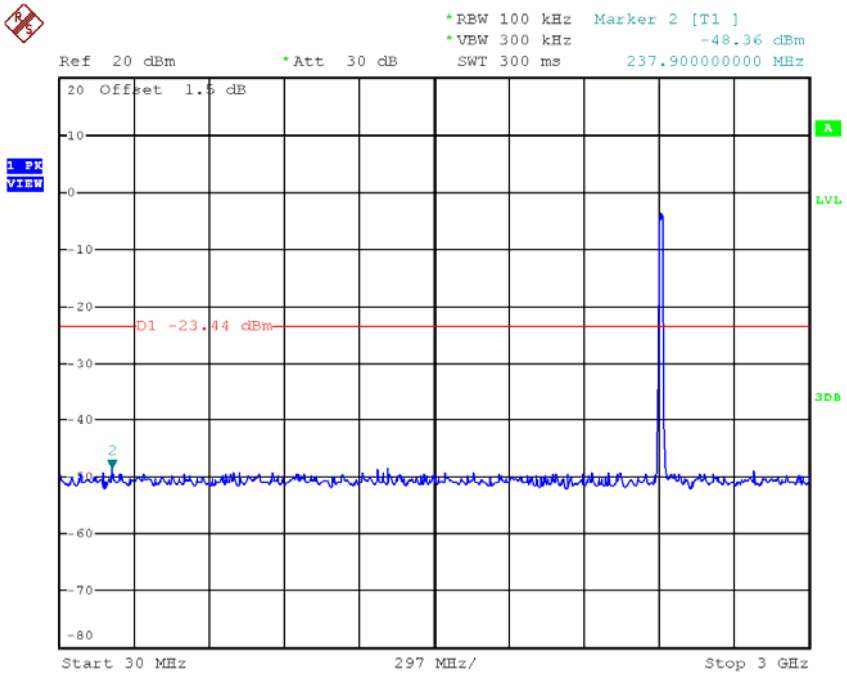
TX G mode CH01

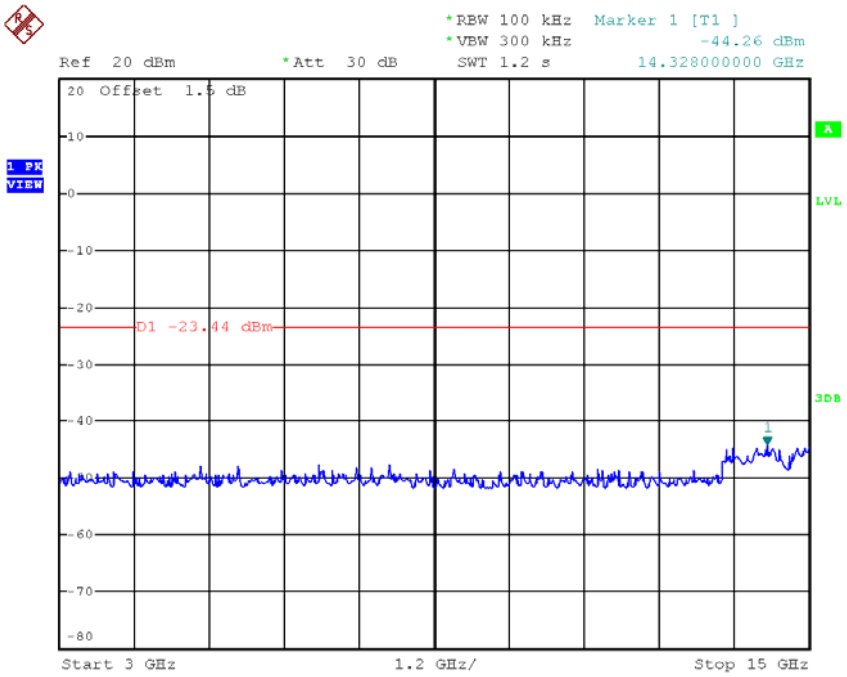


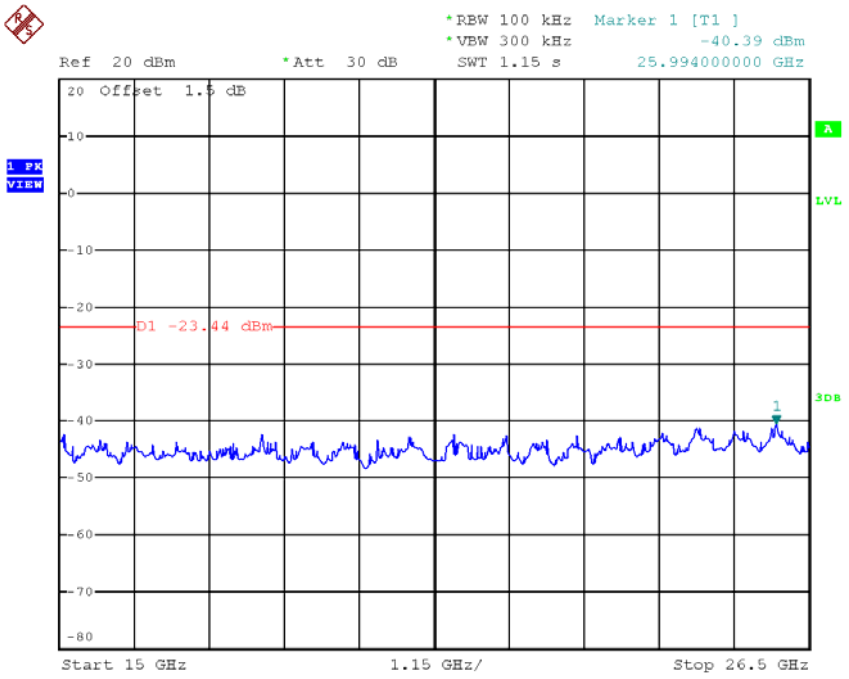
TX G mode CH10



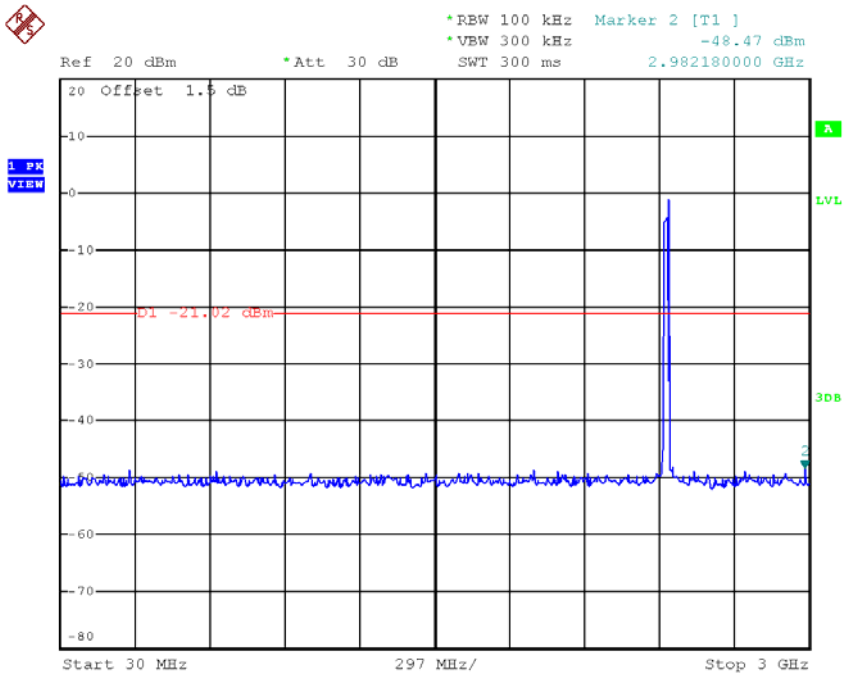
TX G mode CH01 (10 Harmonic of the frequency)

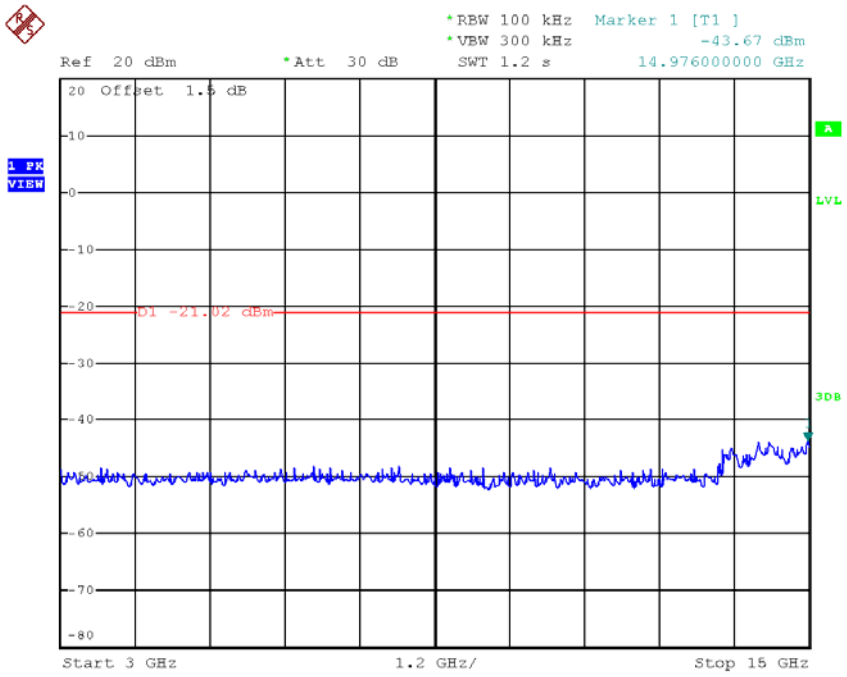


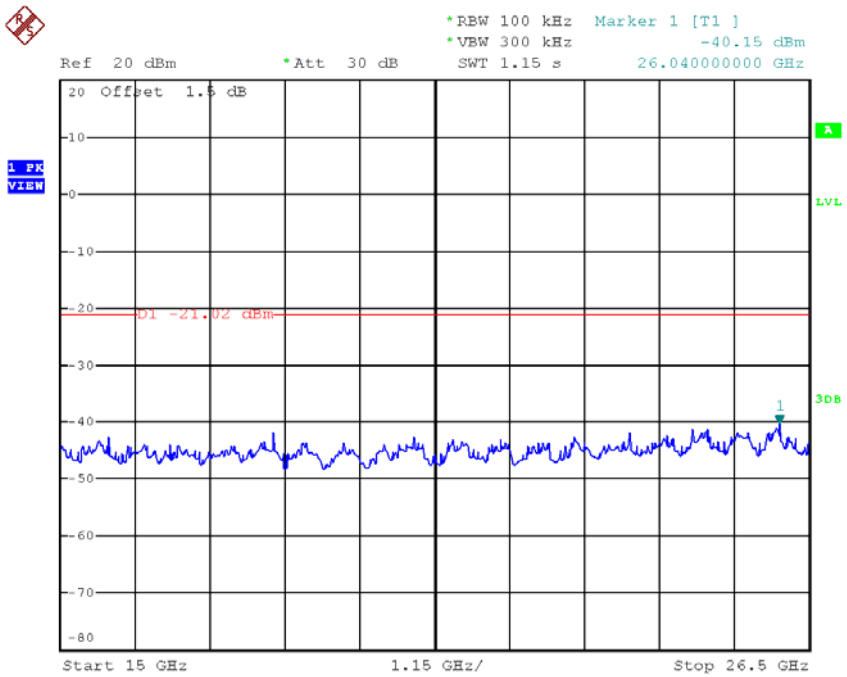




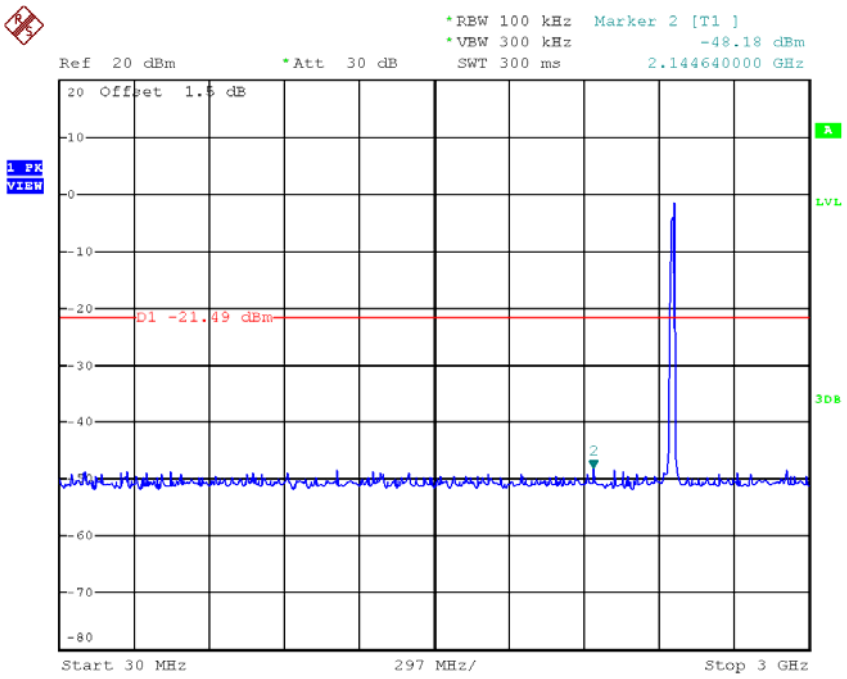
TX G mode CH05 (10 Harmonic of the frequency)

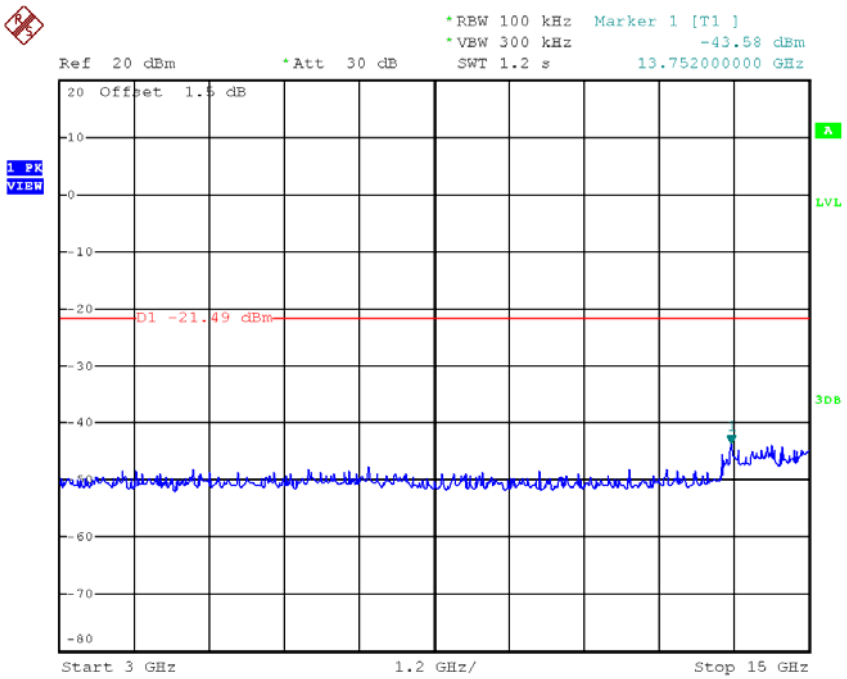


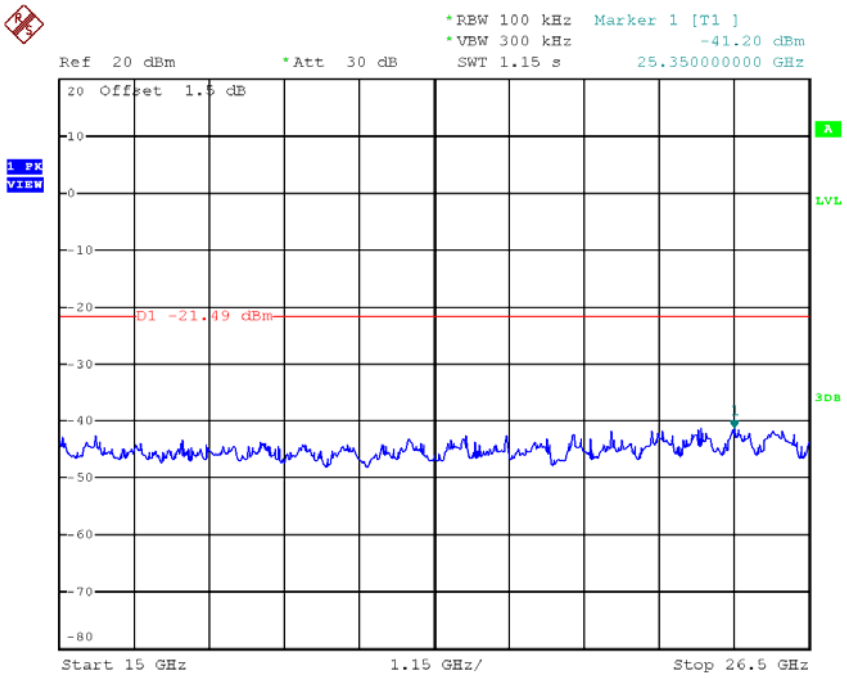

RBW 100 kHz
VBW 300 kHz
SWT 1.2 s
Marker 1 [T1]
-43.67 dBm
14.976000000 GHz
Ref 20 dBm
Att 30 dB
Offset 1.6 dB
1 PK VIEW
D1 -21.02 dBm
A
LVL
3DB
Start 3 GHz
1.2 GHz/
Stop 15 GHz


RBW 100 kHz
VBW 300 kHz
SWT 1.15 s
Marker 1 [T1]
-40.15 dBm
26.040000000 GHz
Ref 20 dBm
Att 30 dB
Offset 1.6 dB
1 PK VIEW
D1 -21.02 dBm
A
LVL
3DB
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

TX G mode CH10 (10 Harmonic of the frequency)

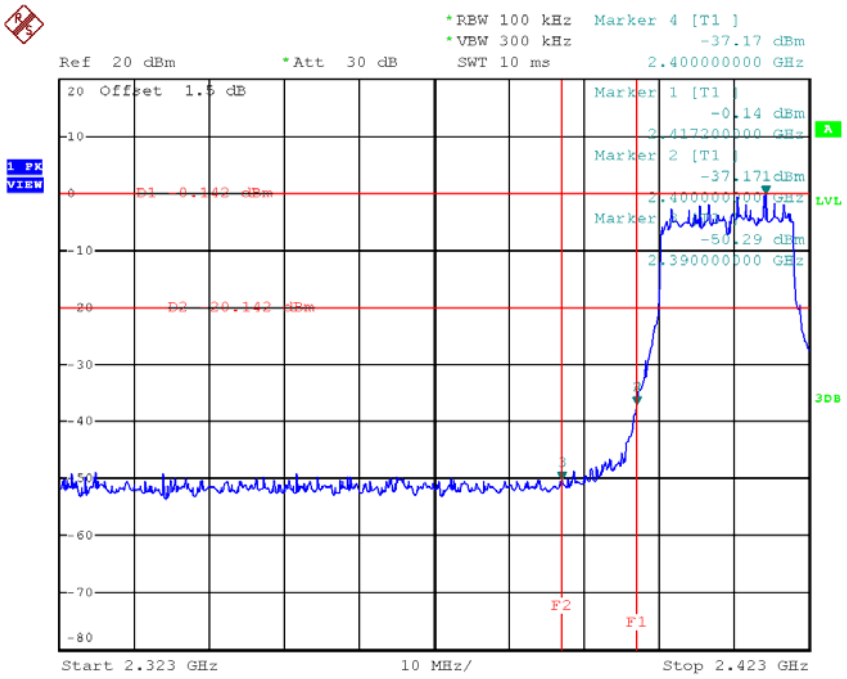




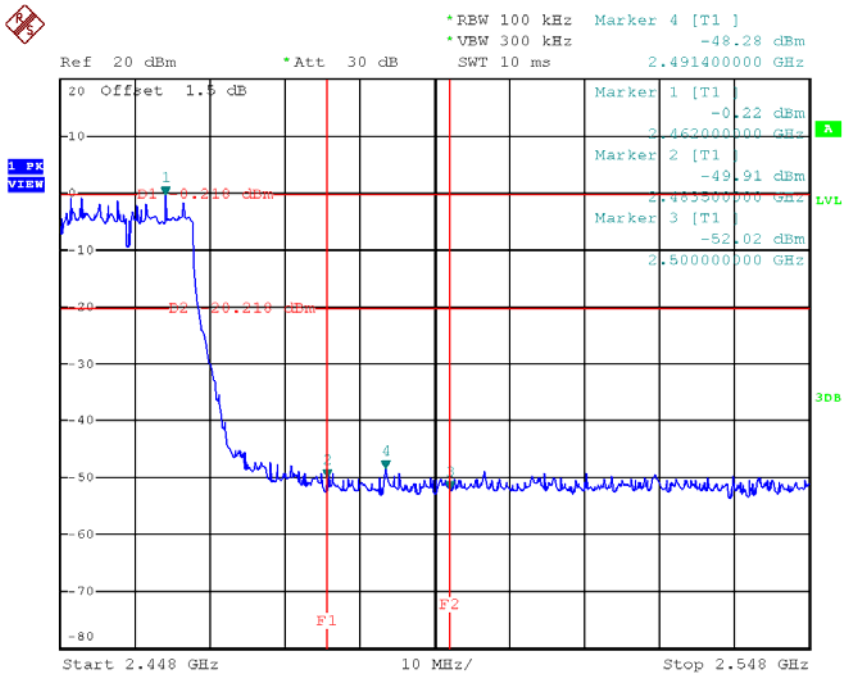

*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-41.20 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.15 s
25.350000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -21.49 dBm
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

Test Mode :	TX N-20M Mode_ANT 1

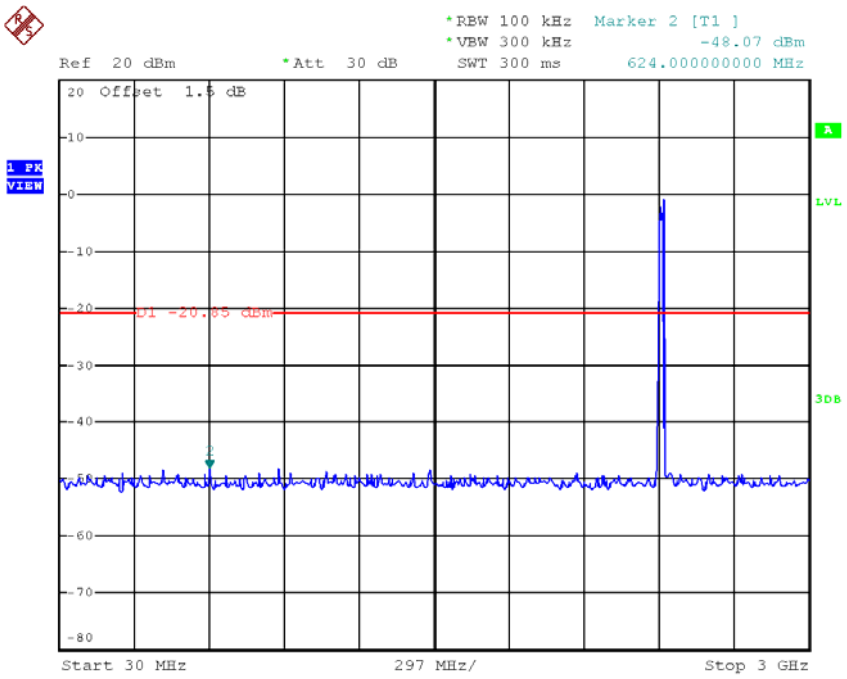
TX HT20 mode CH01

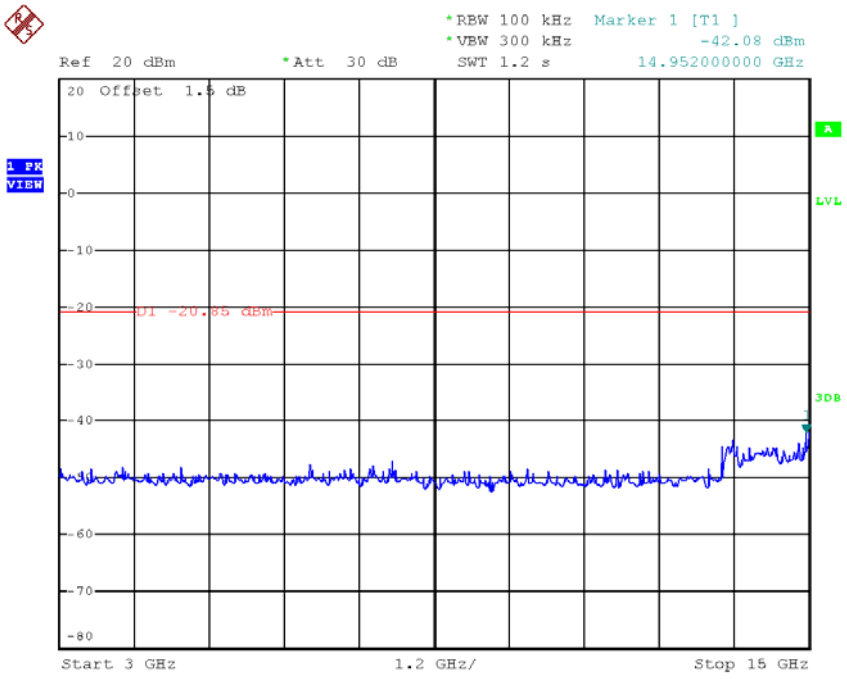


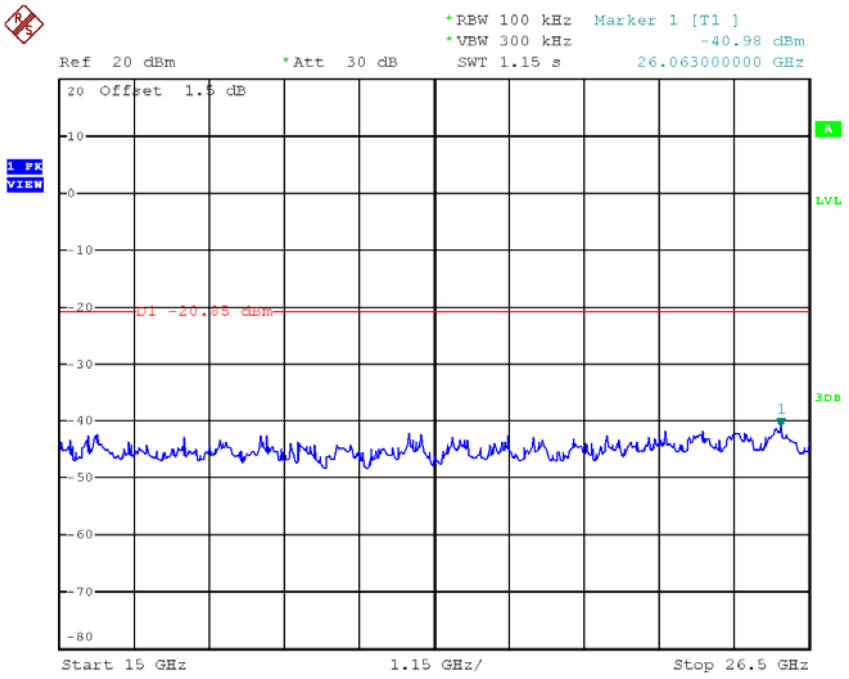
TX HT20 mode CH10



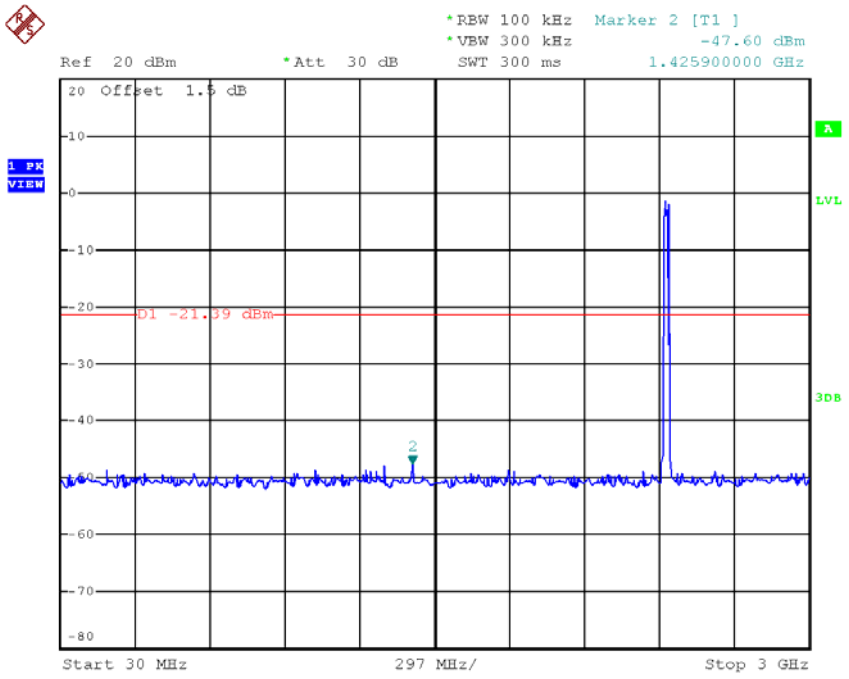
TX HT20 mode CH01 (10 Harmonic of the frequency)

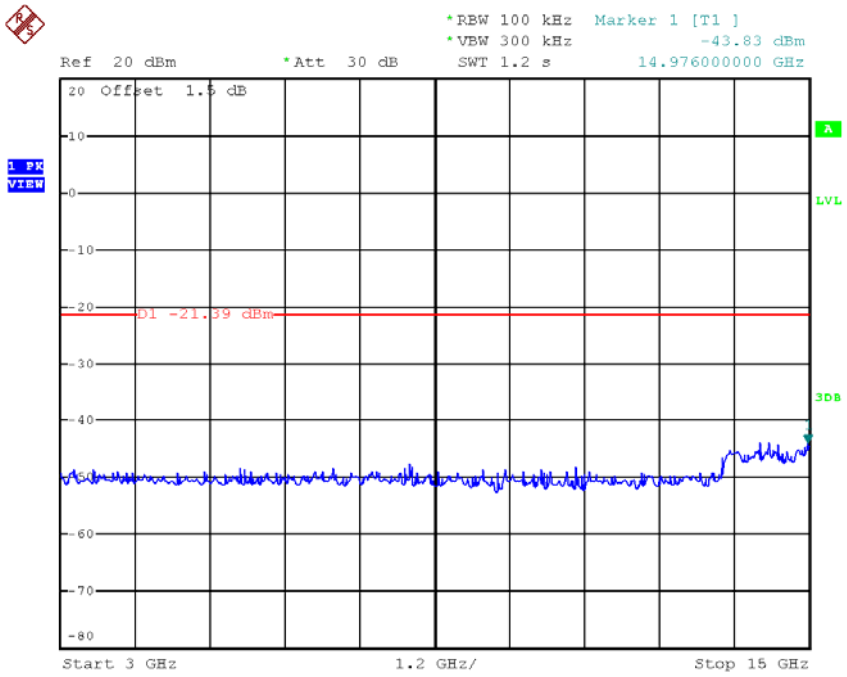


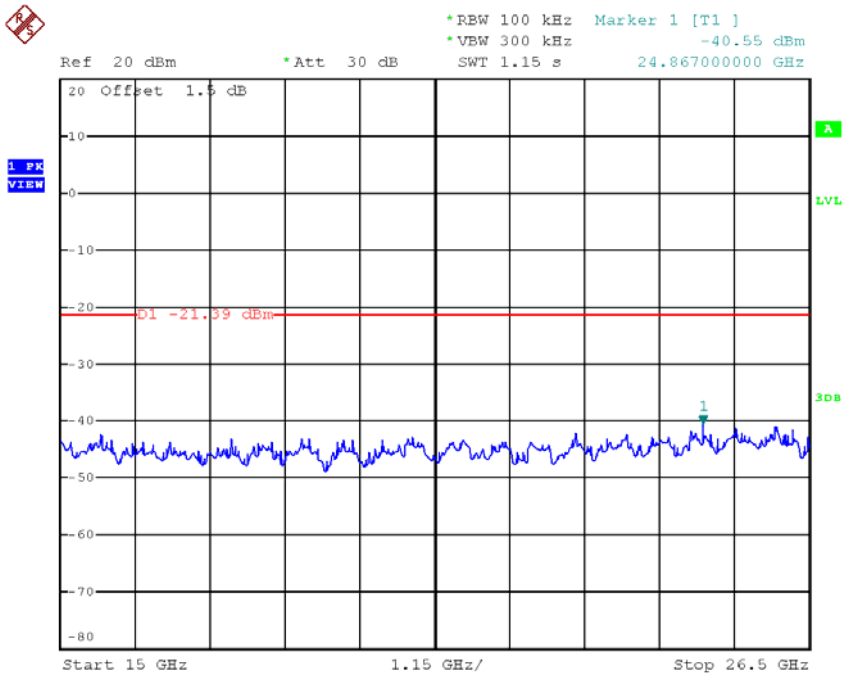




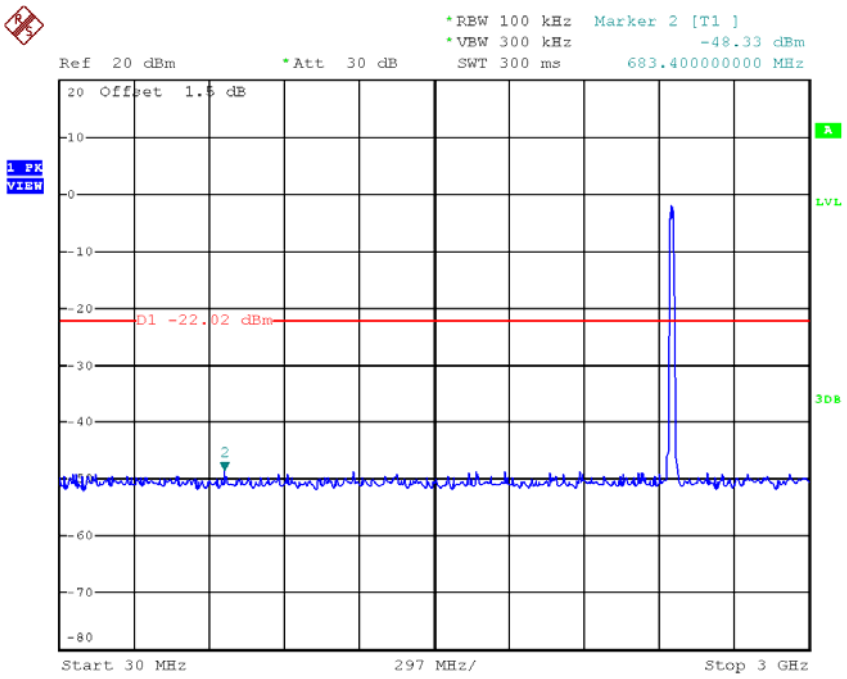
TX HT20 mode CH05 (10 Harmonic of the frequency)

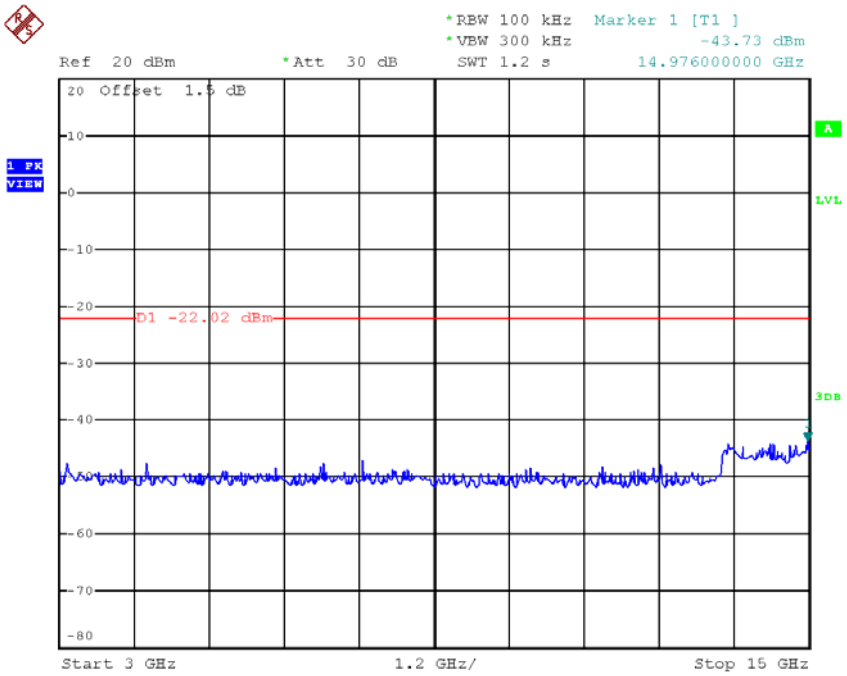


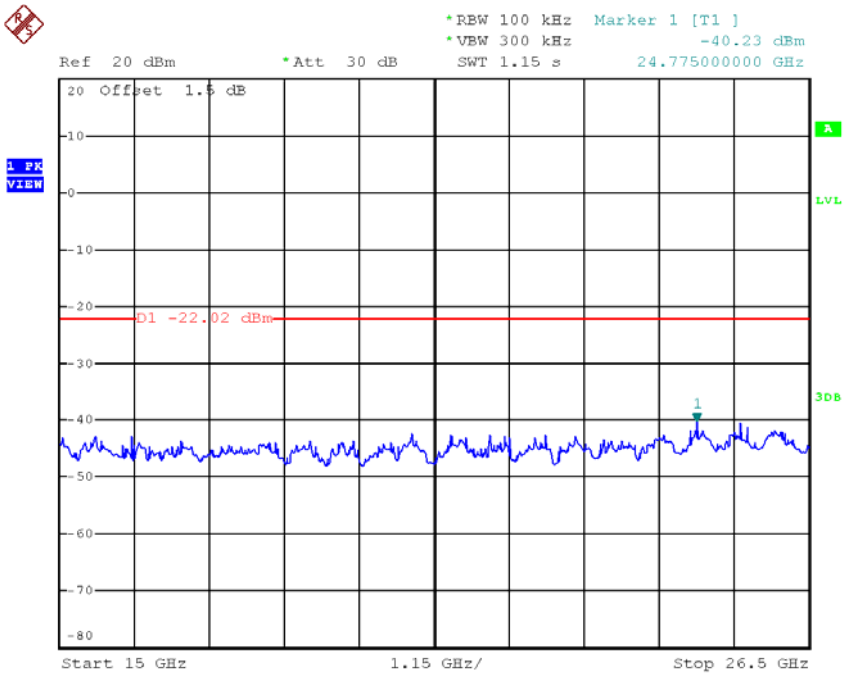

RBW 100 kHz
VBW 300 kHz
SWT 1.2 s
Marker 1 [T1]
-43.83 dBm
14.976000000 GHz
Ref 20 dBm
Att 30 dB
Offset 1.5 dB
D1 -21.39 dBm
1 PK VIEW
A
LVL
3DB
Start 3 GHz
1.2 GHz/
Stop 15 GHz


RBW 100 kHz
VBW 300 kHz
SWT 1.15 s
Marker 1 [T1]
-40.55 dBm
24.867000000 GHz
Ref 20 dBm
Att 30 dB
Offset 1.5 dB
D1 -21.39 dBm
1 PK VIEW
A
LVL
3DB
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

TX HT20 mode CH10 (10 Harmonic of the frequency)

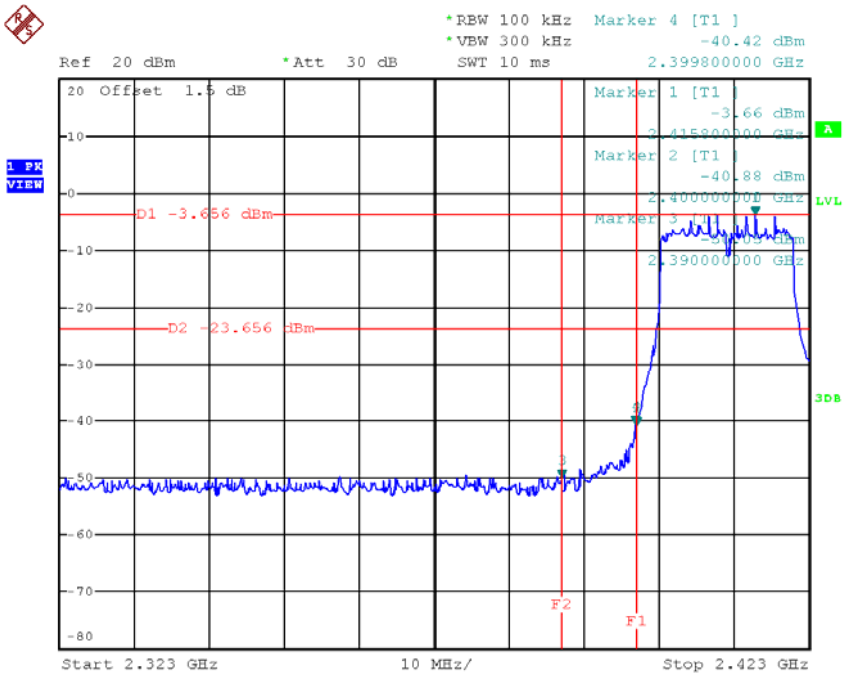




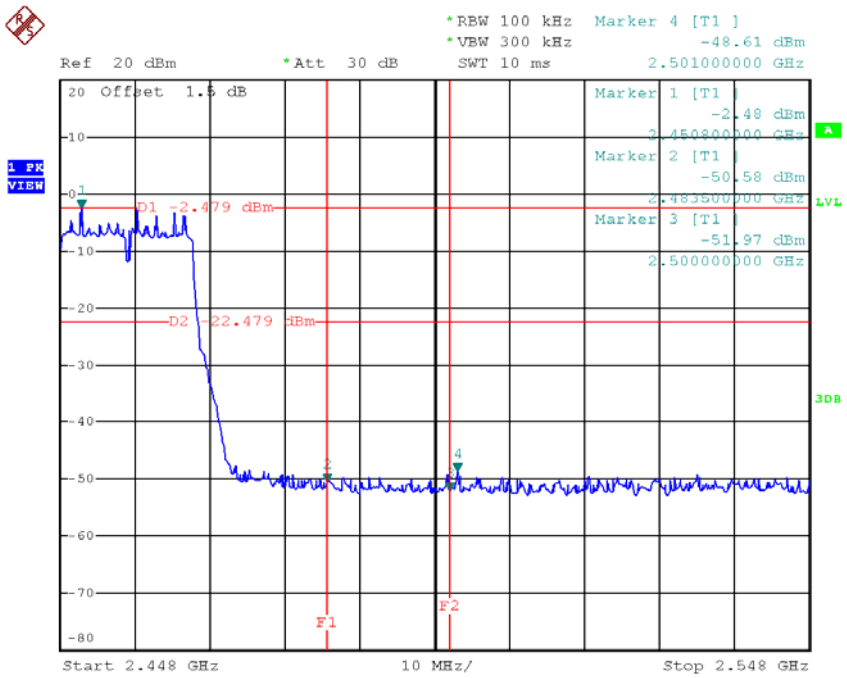

*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-40.23 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.15 s
24.775000000 GHz
20 Offset 1.6 dB
1 PK VIEW
D1 -22.02 dBm
A
LVL
3DB
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

Test Mode :	TX N-20M Mode_ANT 2

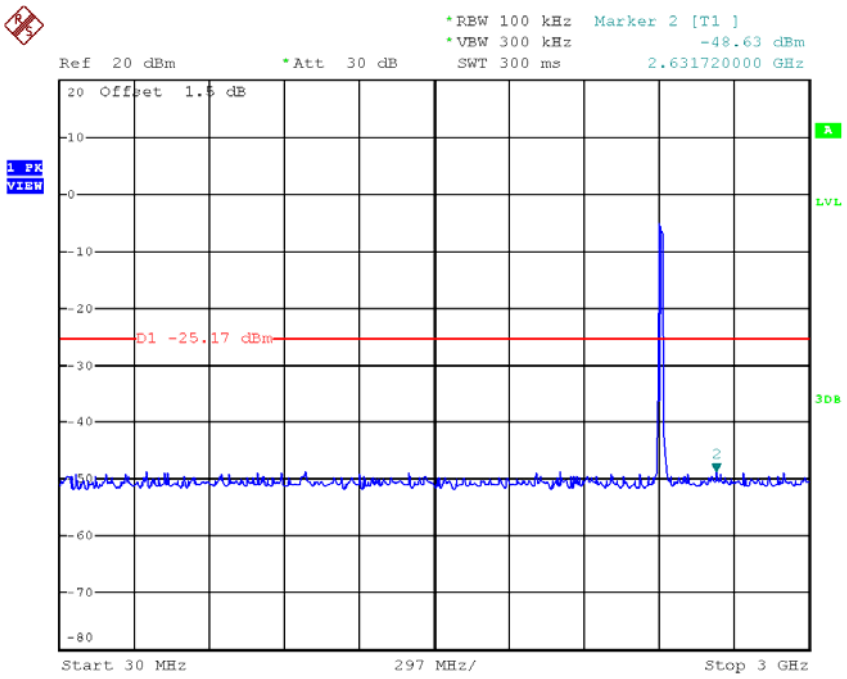
TX HT20 mode CH01

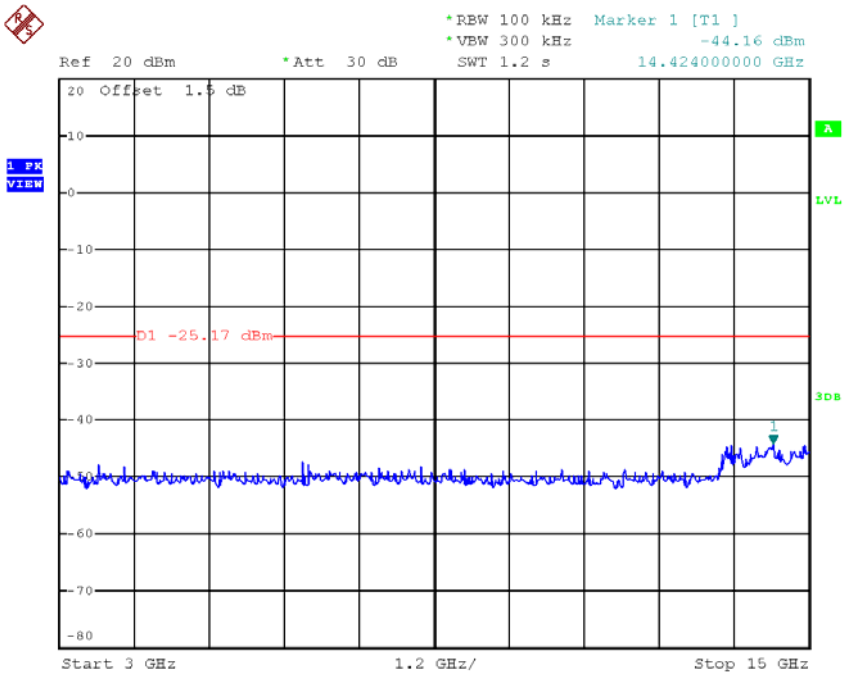


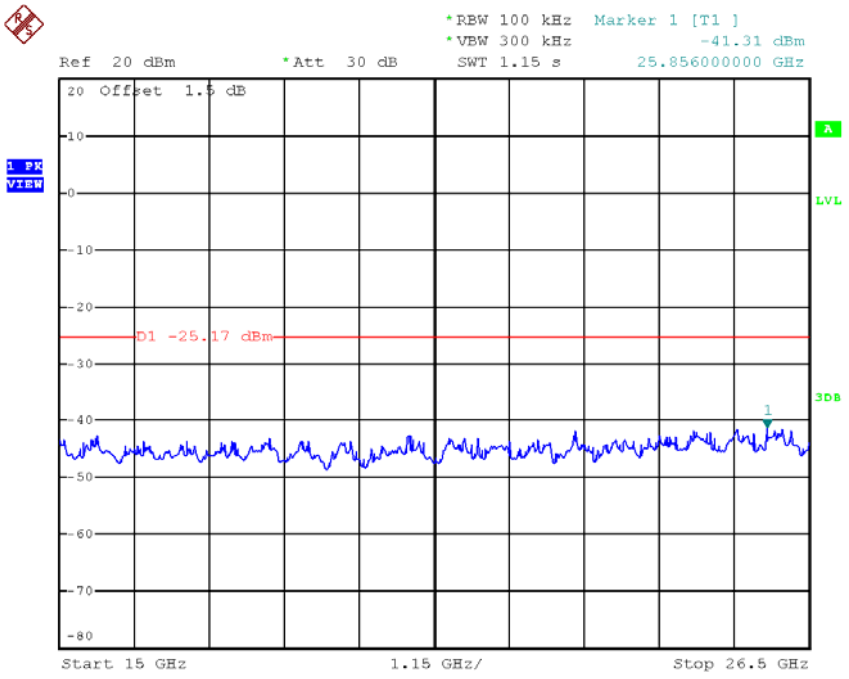
TX HT20 mode CH10



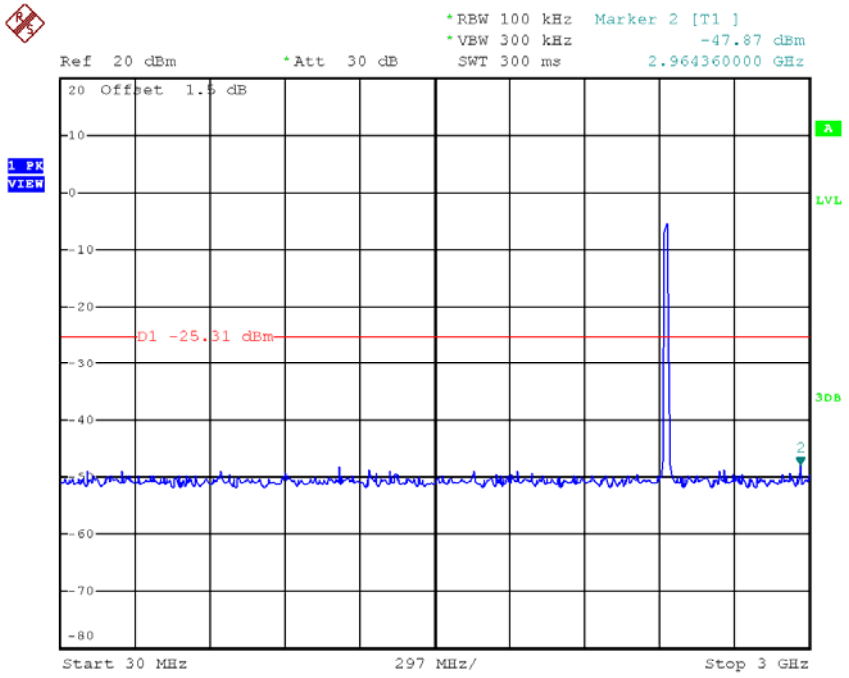
TX HT20 mode CH01 (10 Harmonic of the frequency)

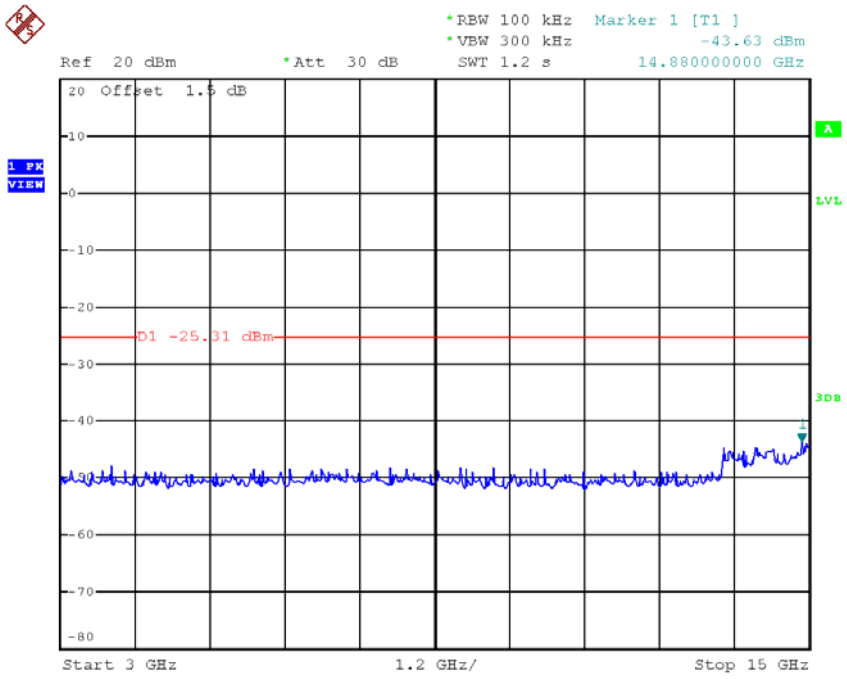


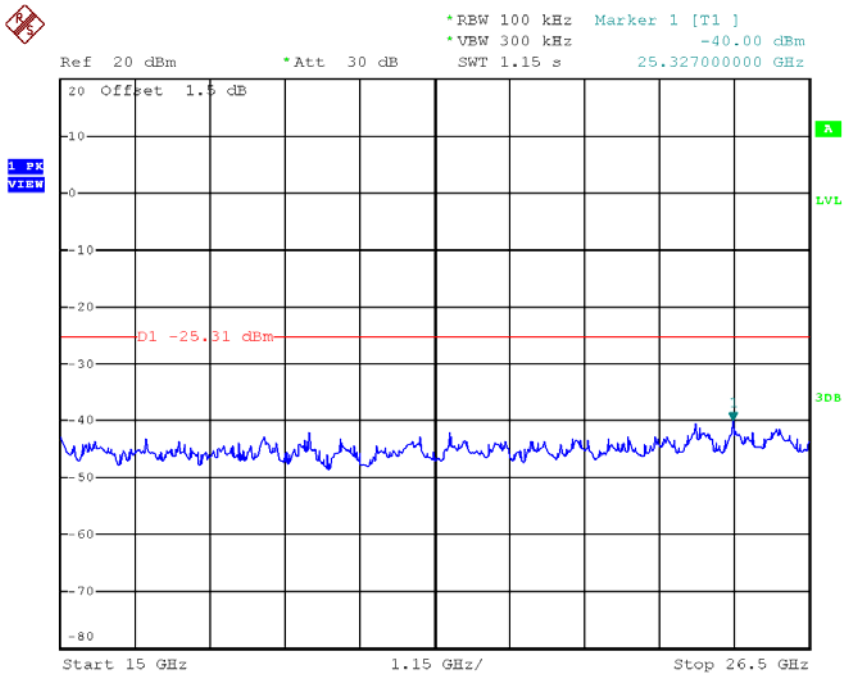




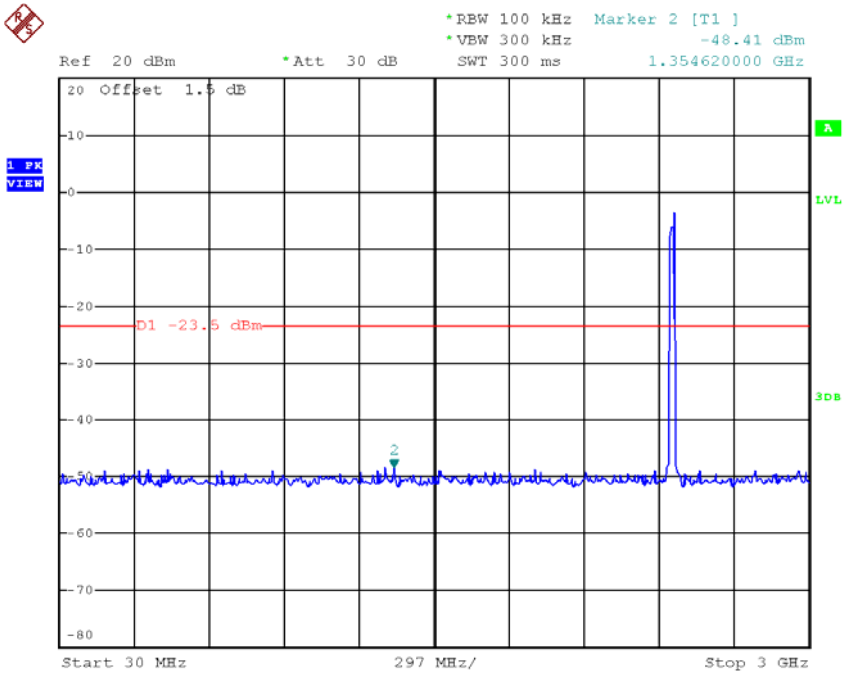
TX HT20 mode CH05 (10 Harmonic of the frequency)

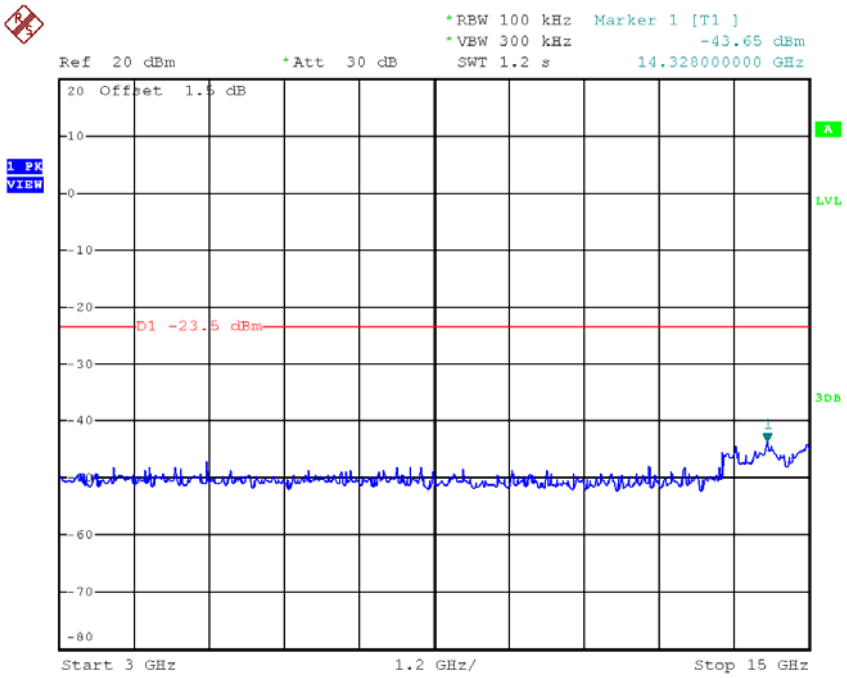


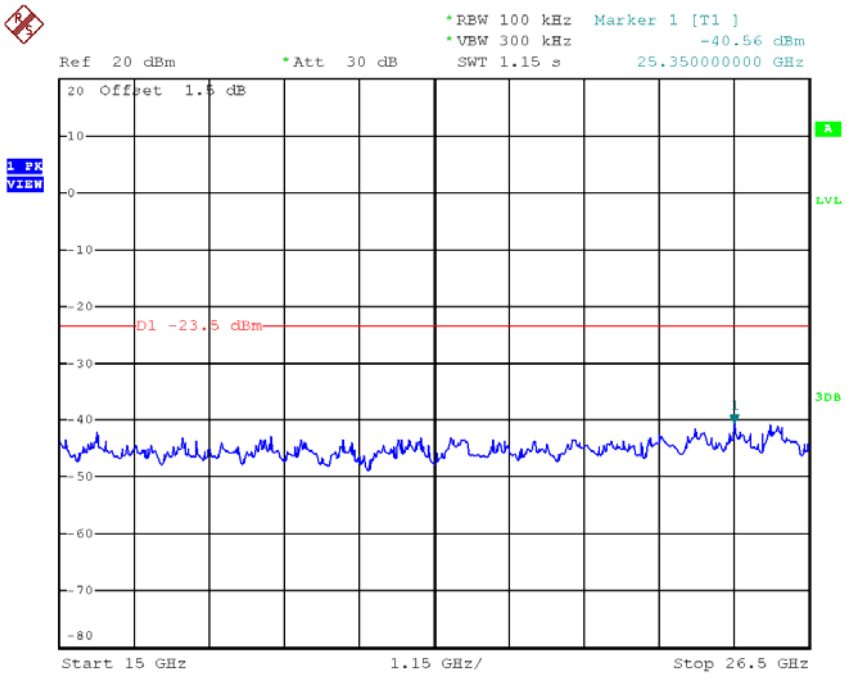

*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-43.63 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.2 s
14.880000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -25.31 dBm
Start 3 GHz
1.2 GHz/
Stop 15 GHz


*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-40.00 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.15 s
25.327000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -25.31 dBm
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

TX HT20 mode CH10 (10 Harmonic of the frequency)

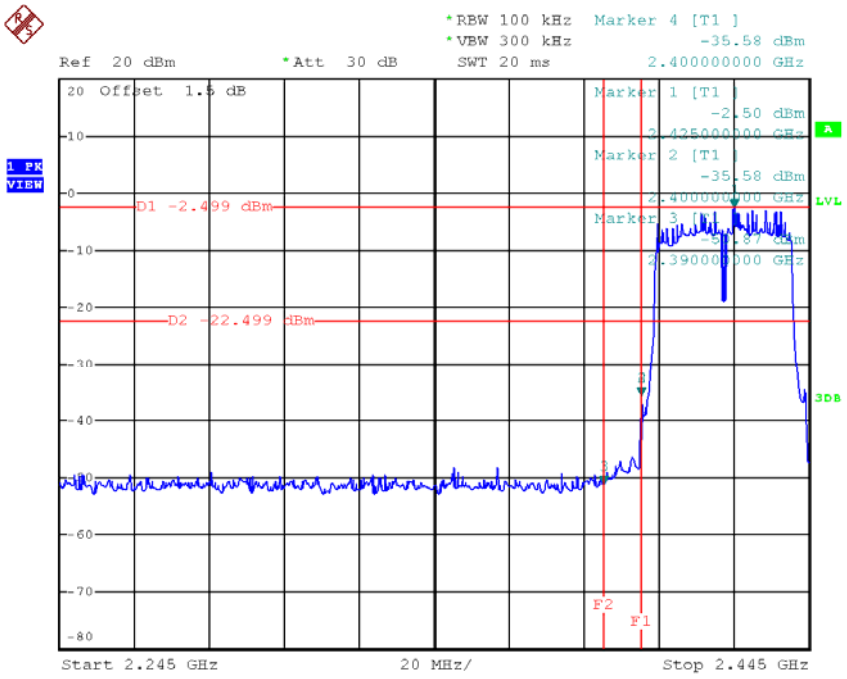




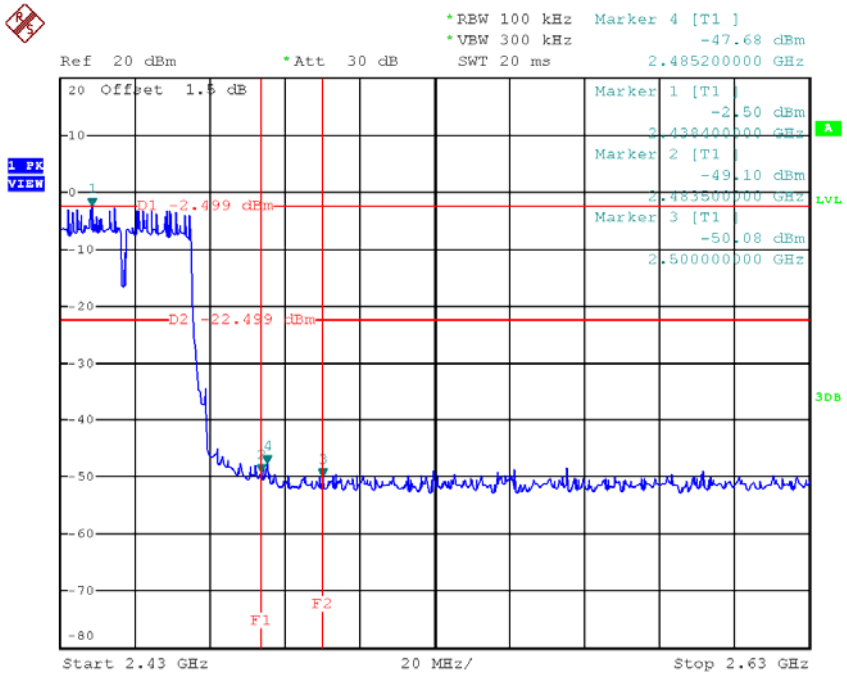

*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-40.56 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.15 s
25.350000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -23.5 dBm
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

Test Mode :	TX N-40M Mode_ANT 1

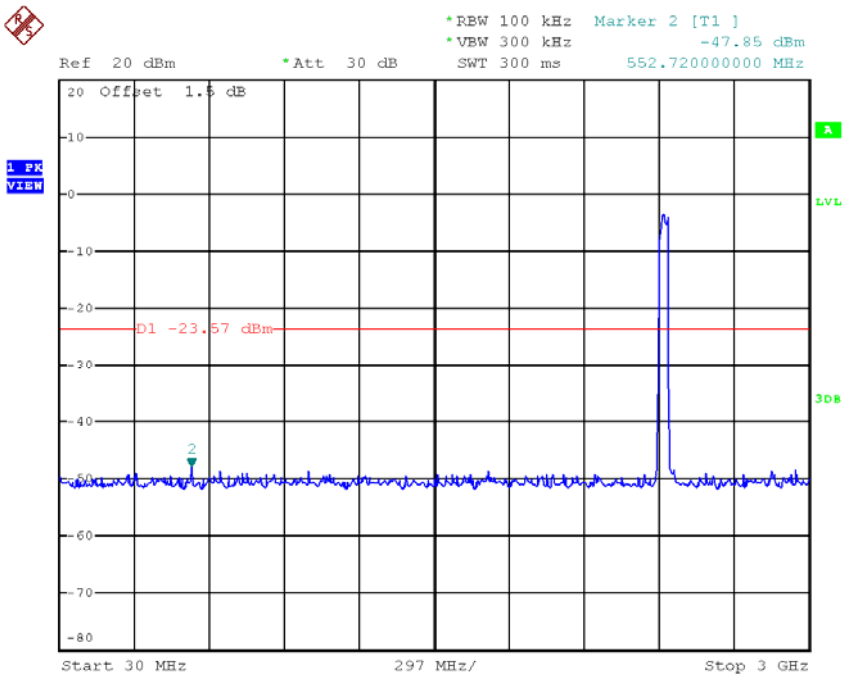
TX HT40 mode CH03

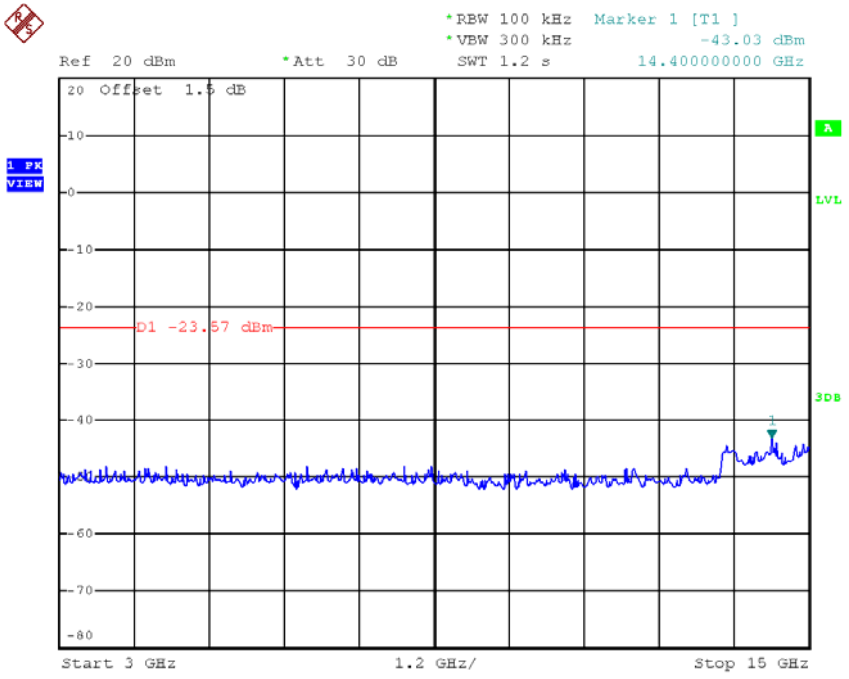


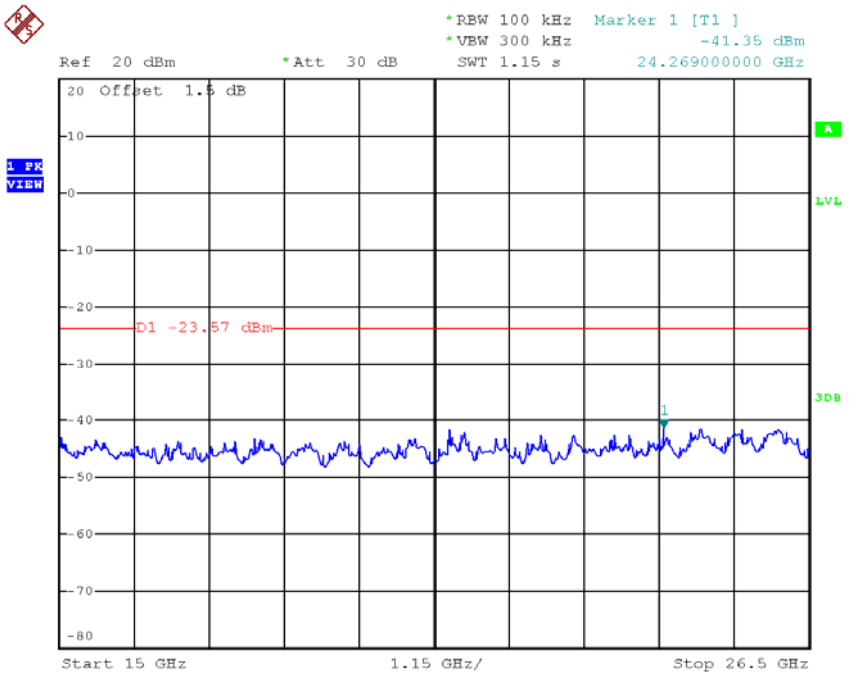
TX HT40 mode CH09



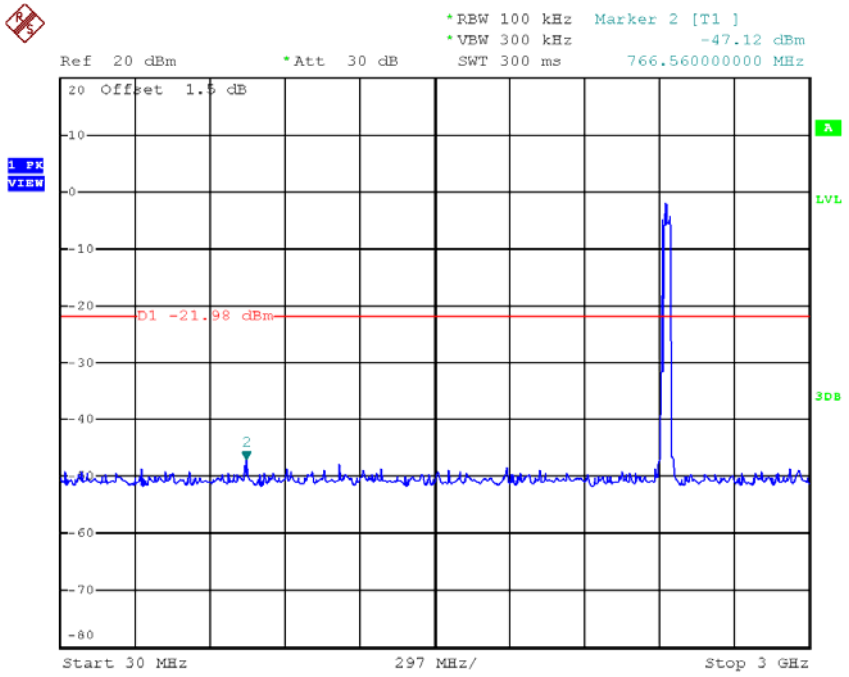
TX HT40 mode CH03 (10 Harmonic of the frequency)

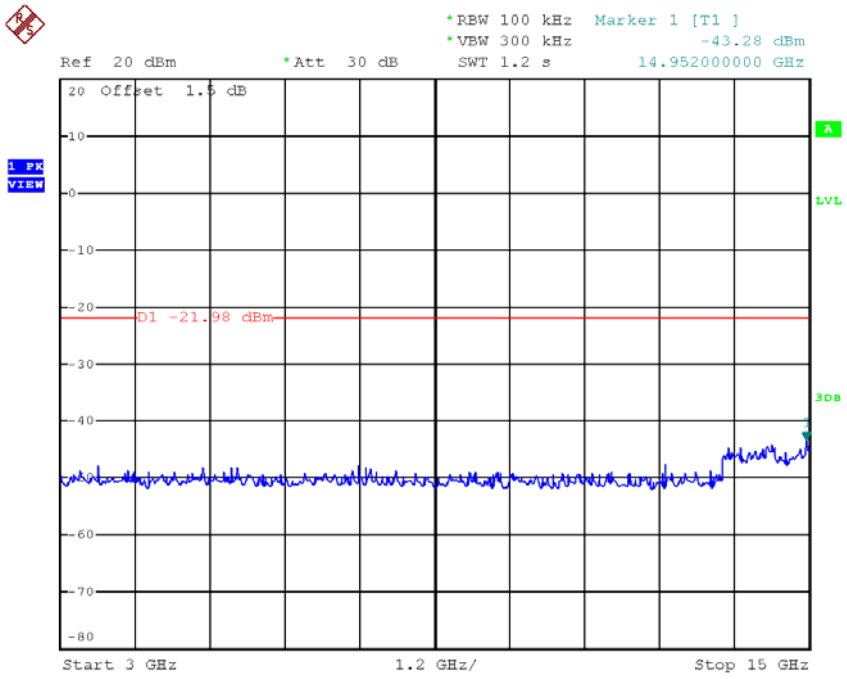


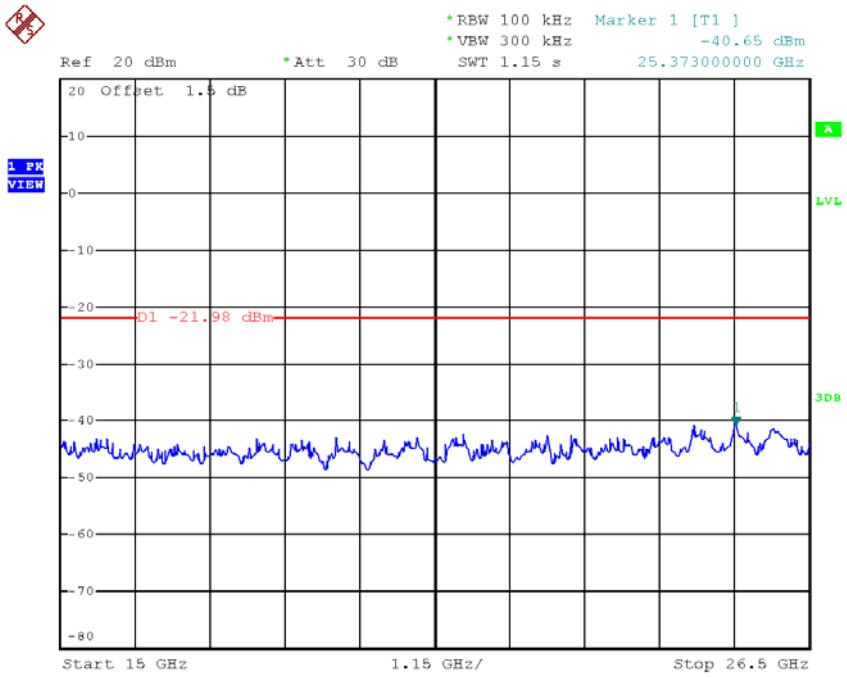




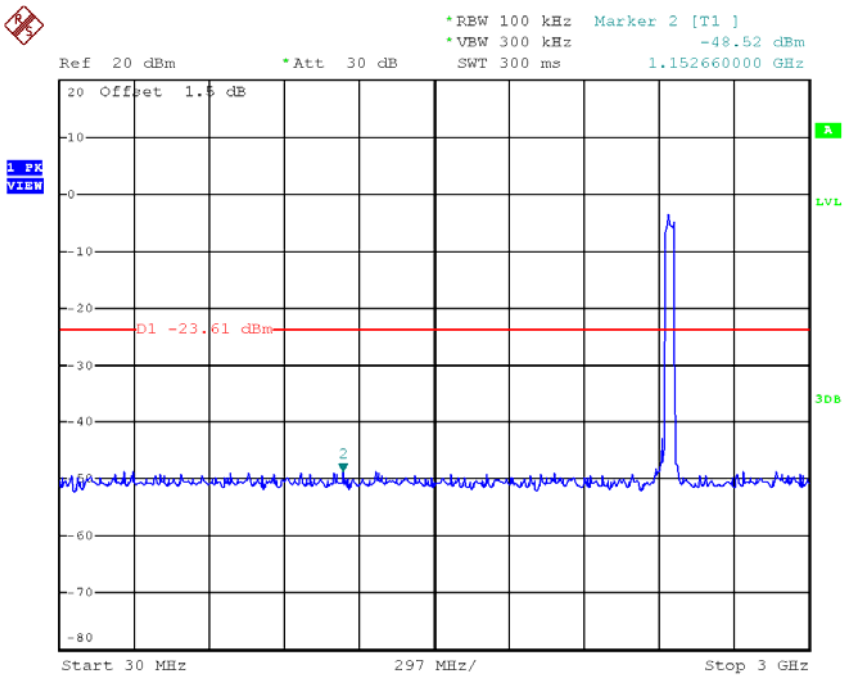
TX HT40 mode CH05 (10 Harmonic of the frequency)

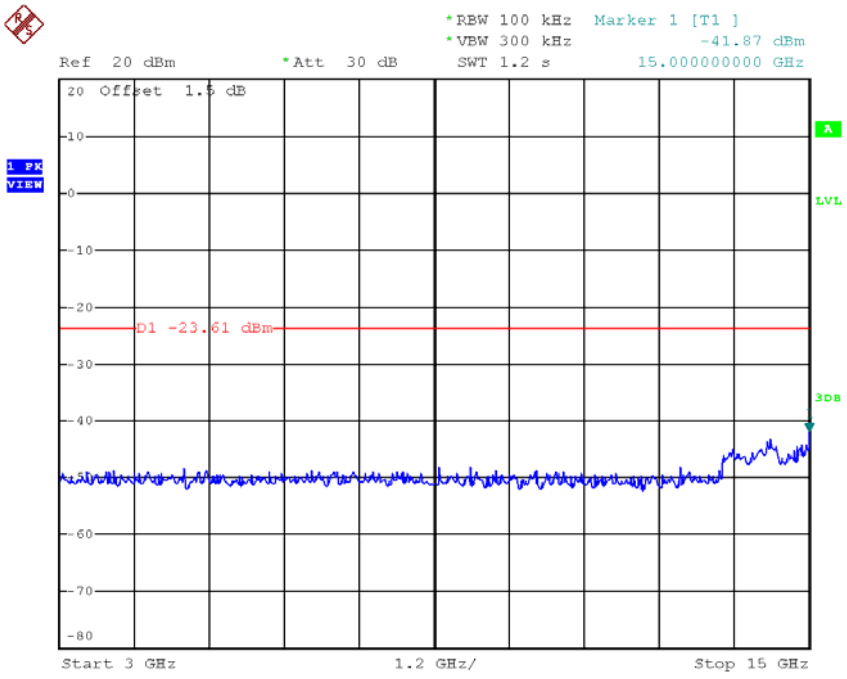


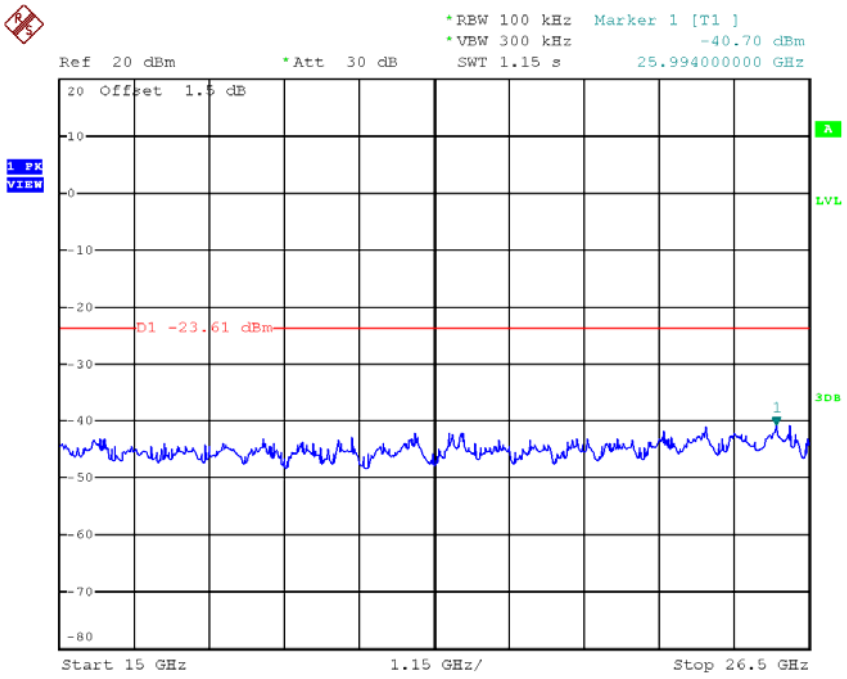

*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-43.28 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.2 s
14.952000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -21.98 dBm
Start 3 GHz
1.2 GHz/
Stop 15 GHz


*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-40.65 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.15 s
25.373000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -21.98 dBm
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

TX HT40 mode CH09 (10 Harmonic of the frequency)

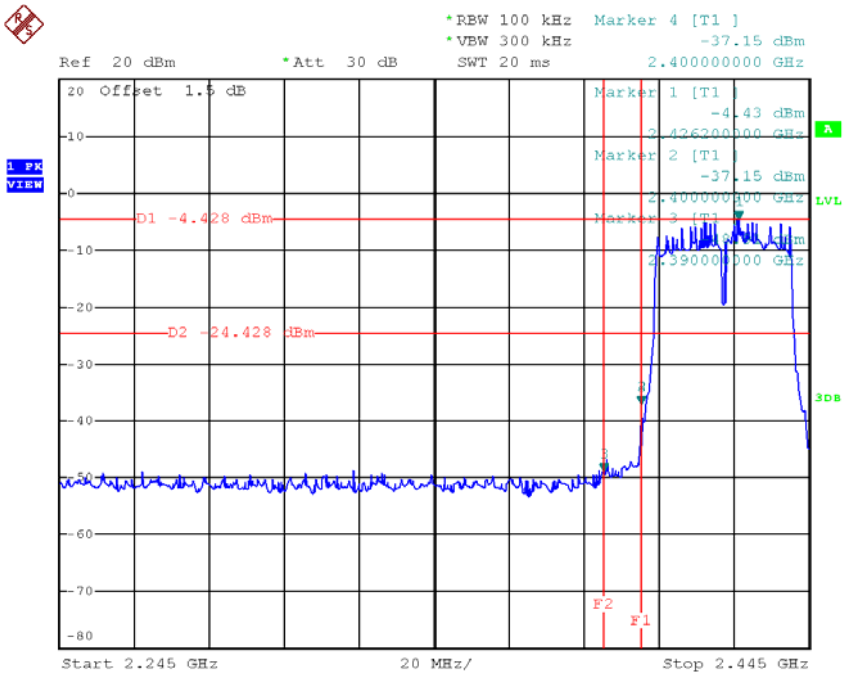




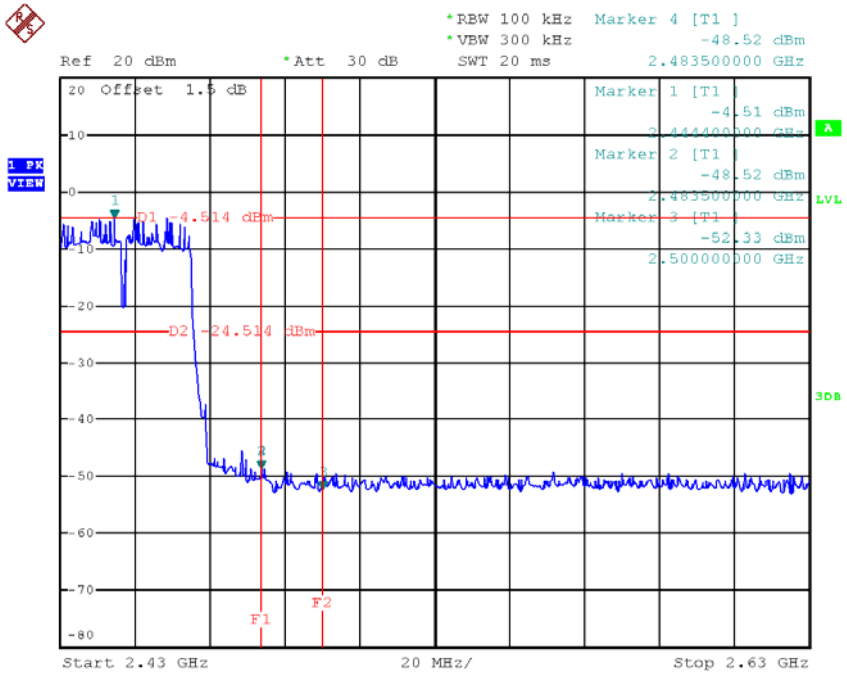

*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-40.70 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.15 s
25.994000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -23.61 dBm
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

Test Mode :	TX N-40M Mode_ANT 2

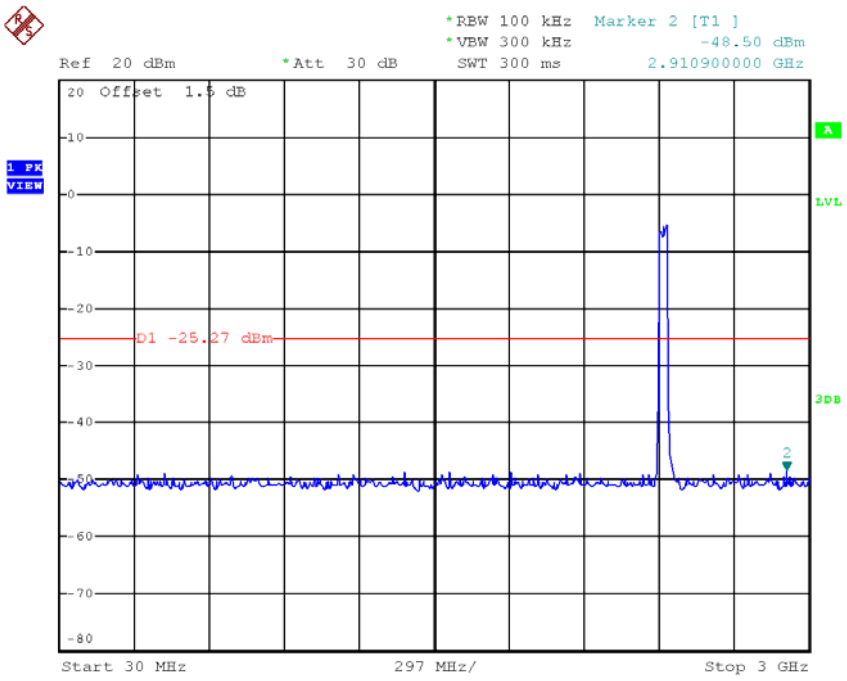
TX HT40 mode CH03

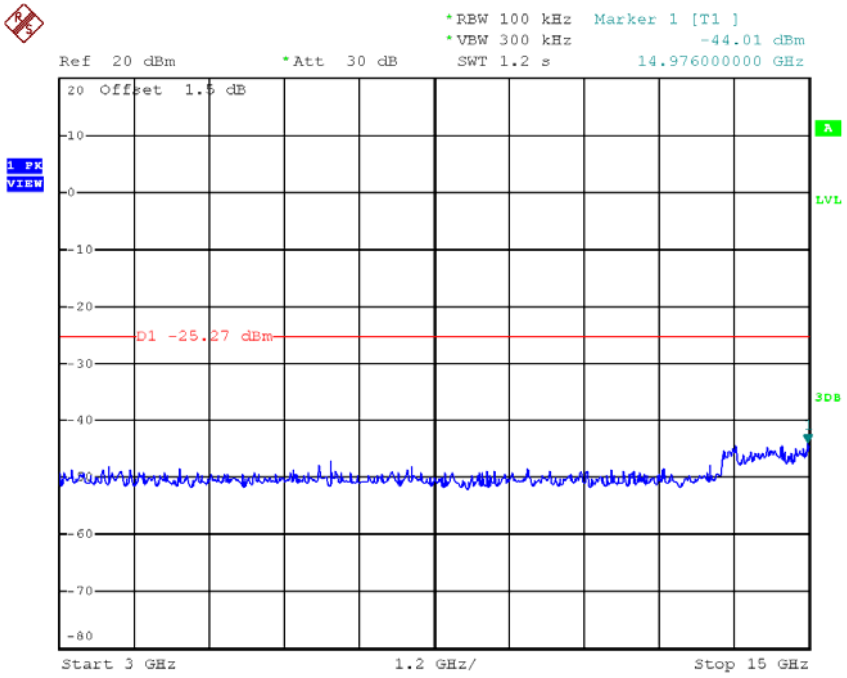


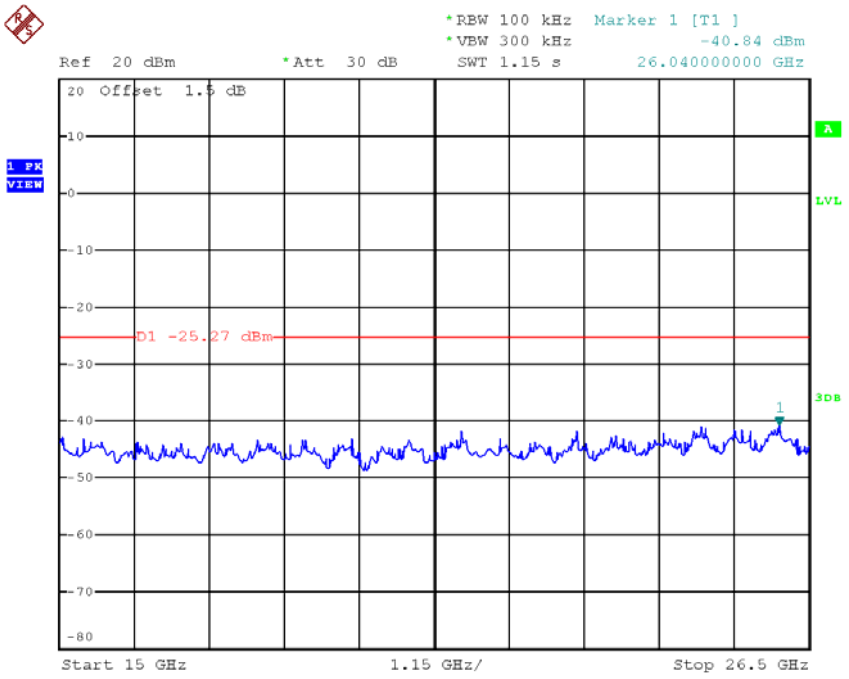
TX HT40 mode CH09



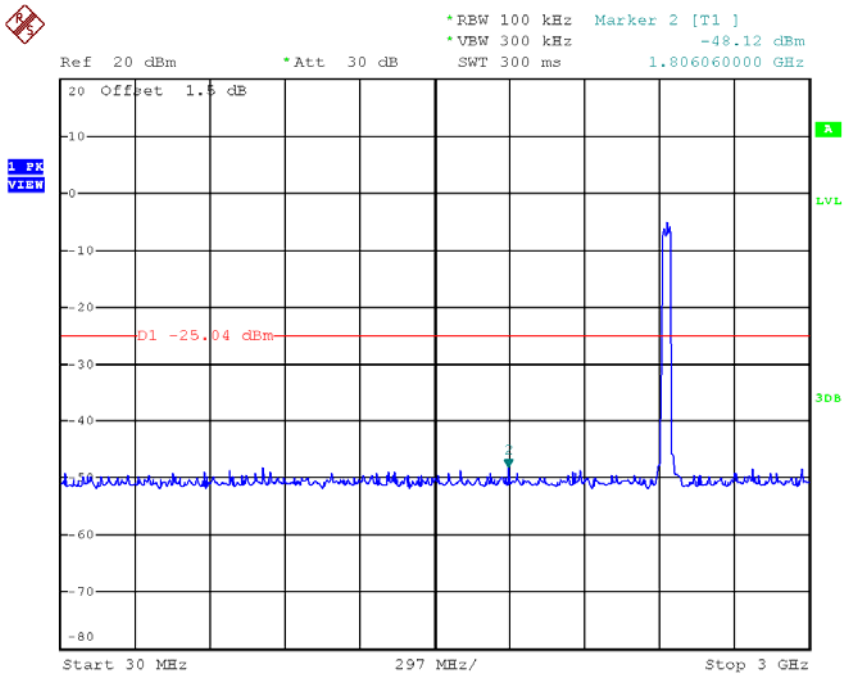
TX HT40 mode CH03 (10 Harmonic of the frequency)

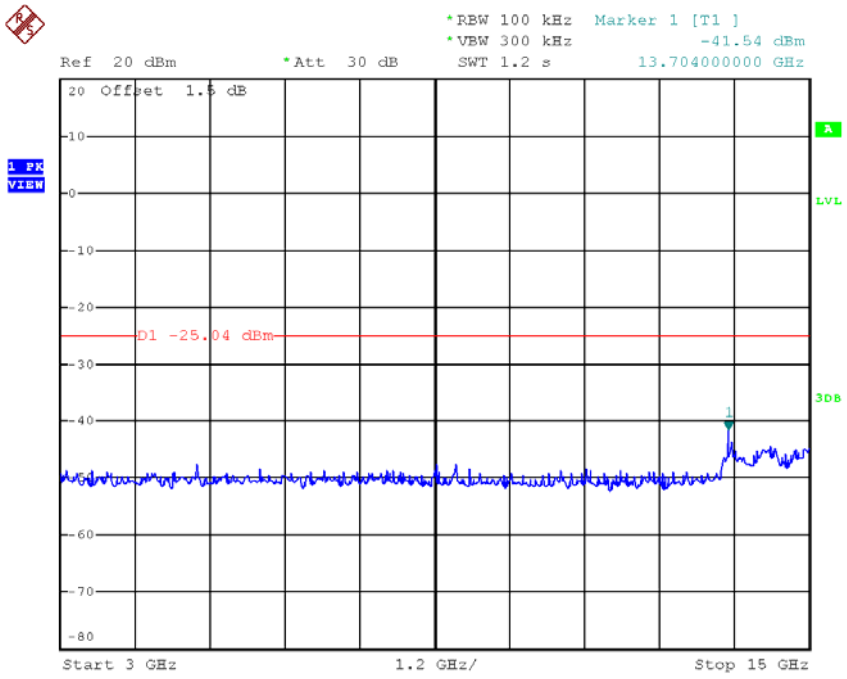


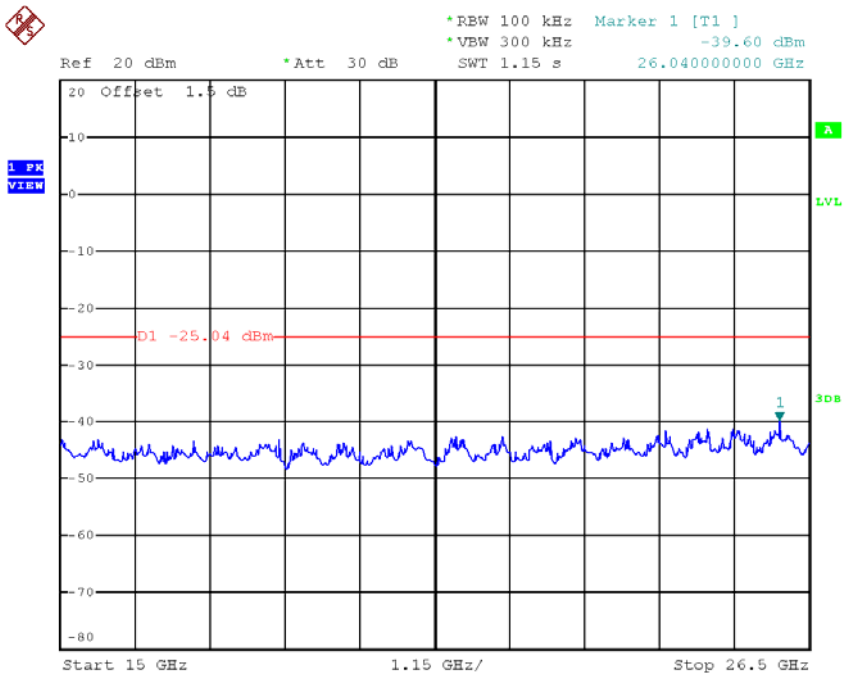




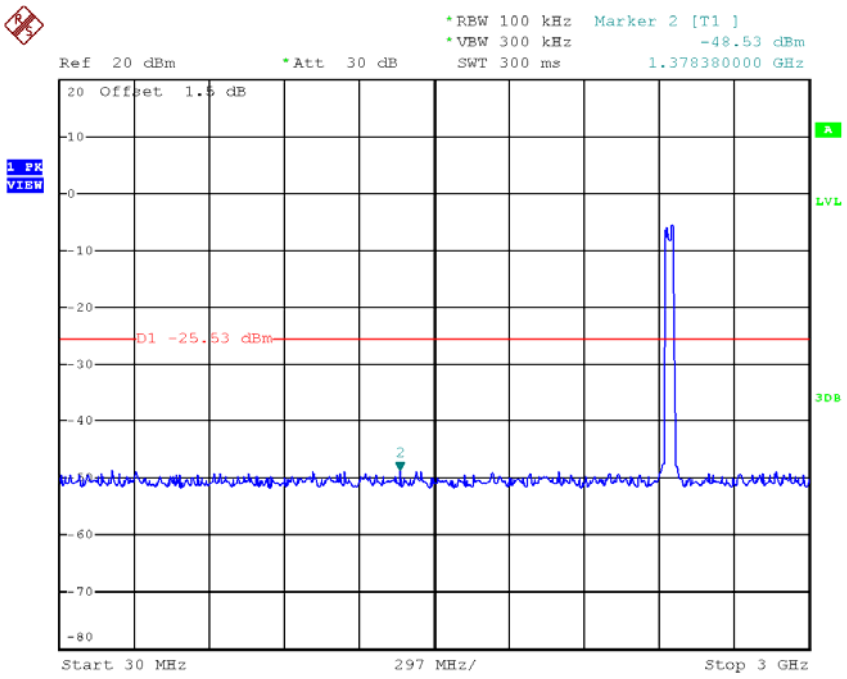
TX HT40 mode CH05 (10 Harmonic of the frequency)

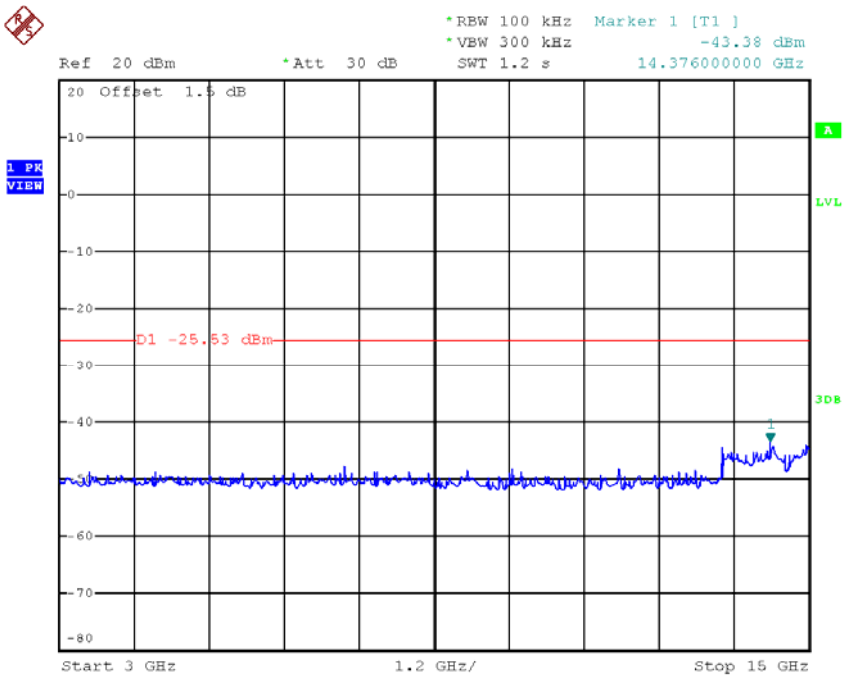


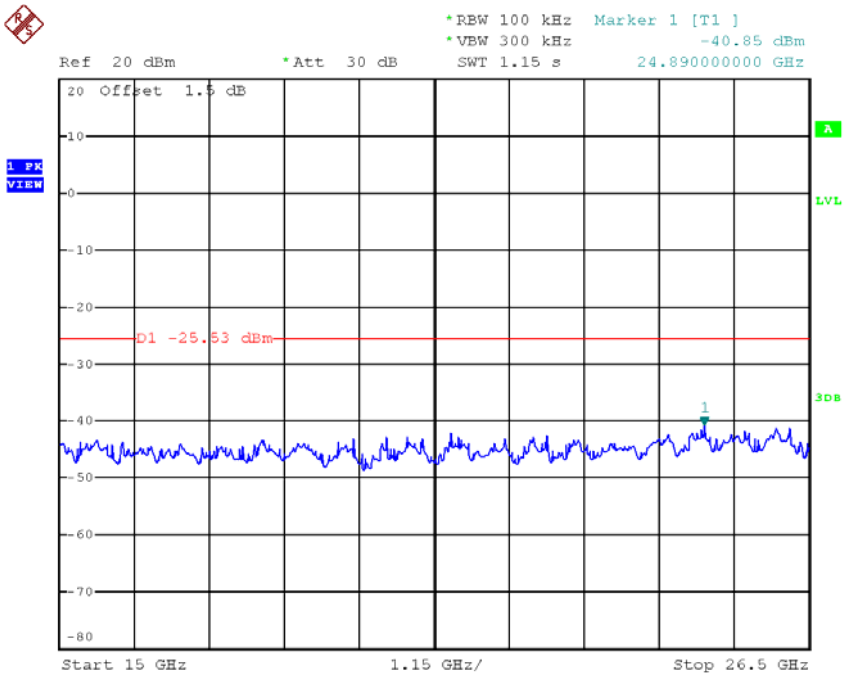

*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-41.54 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.2 s
13.704000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -25.04 dBm
Start 3 GHz
1.2 GHz/
Stop 15 GHz


*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-39.60 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.15 s
26.040000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -25.04 dBm
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

TX HT40 mode CH09 (10 Harmonic of the frequency)





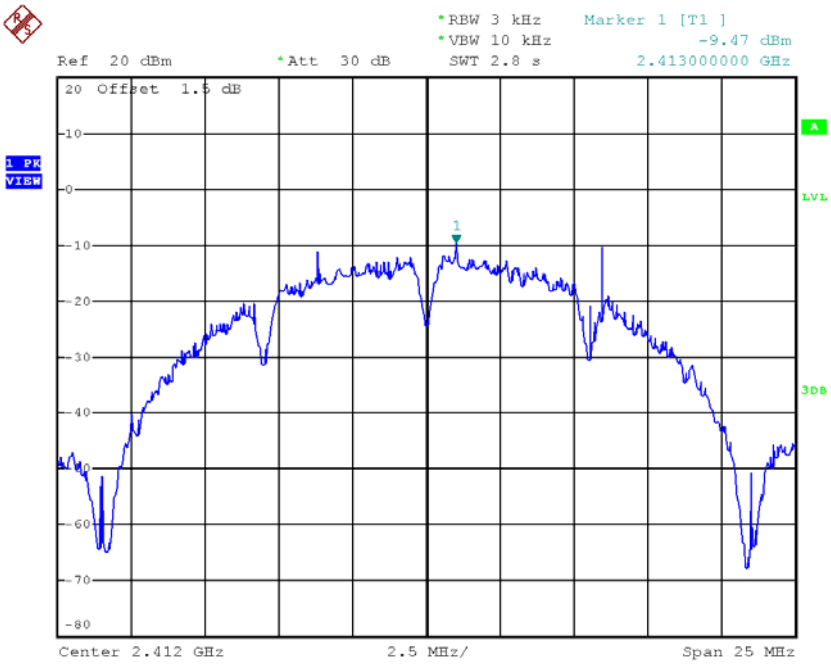

*RBW 100 kHz
Marker 1 [T1]
*VBW 300 kHz
-40.85 dBm
Ref 20 dBm
*Att 30 dB
SWT 1.15 s
24.890000000 GHz
20 Offset 1.6 dB
1 PK VIEW
A
LVL
3DB
D1 -25.53 dBm
Start 15 GHz
1.15 GHz/
Stop 26.5 GHz

ATTACHMENT H - POWER SPECTRAL DENSITY

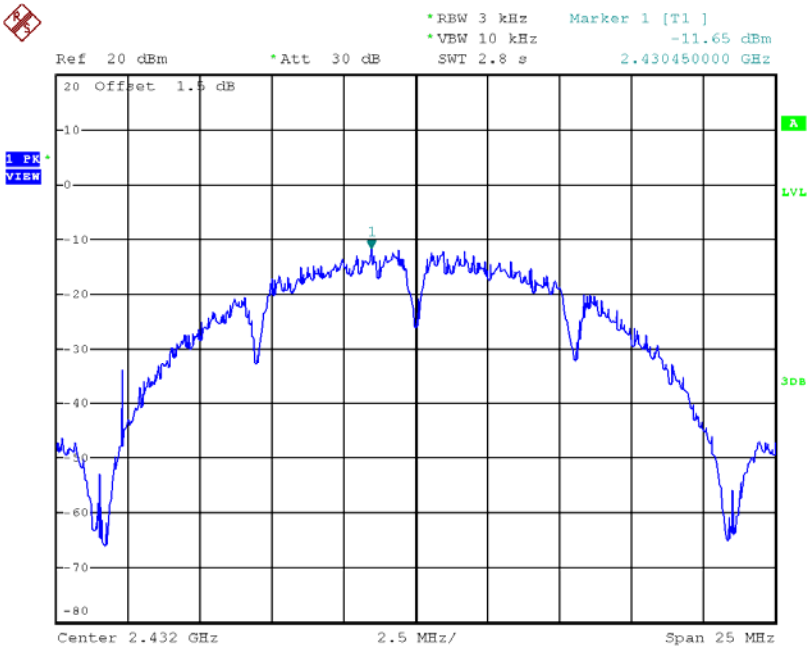
Test Mode :TX B Mode_CH01/05/10

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.47	0.11	8.00	Complies
2437	-11.65	0.07	8.00	Complies
2457	-10.04	0.10	8.00	Complies

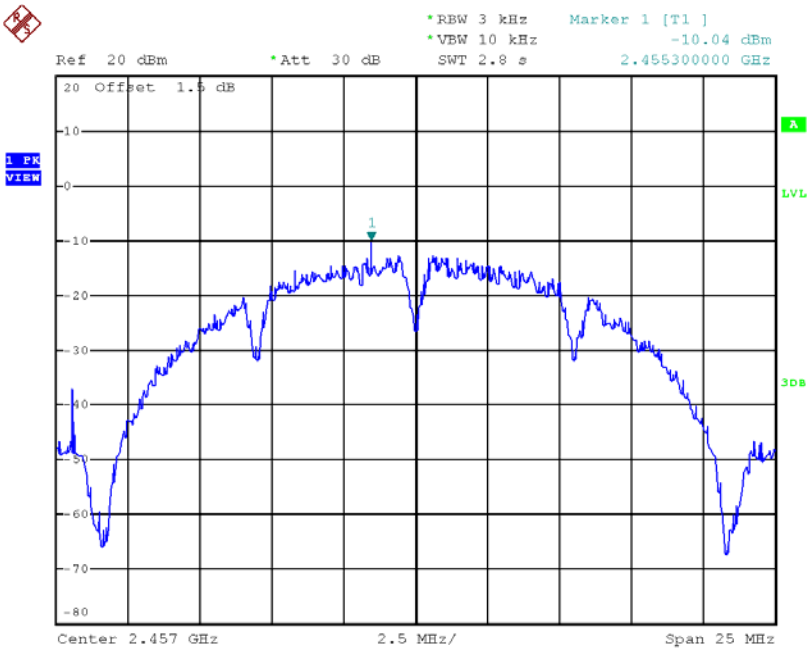
TX CH01



TX CH05

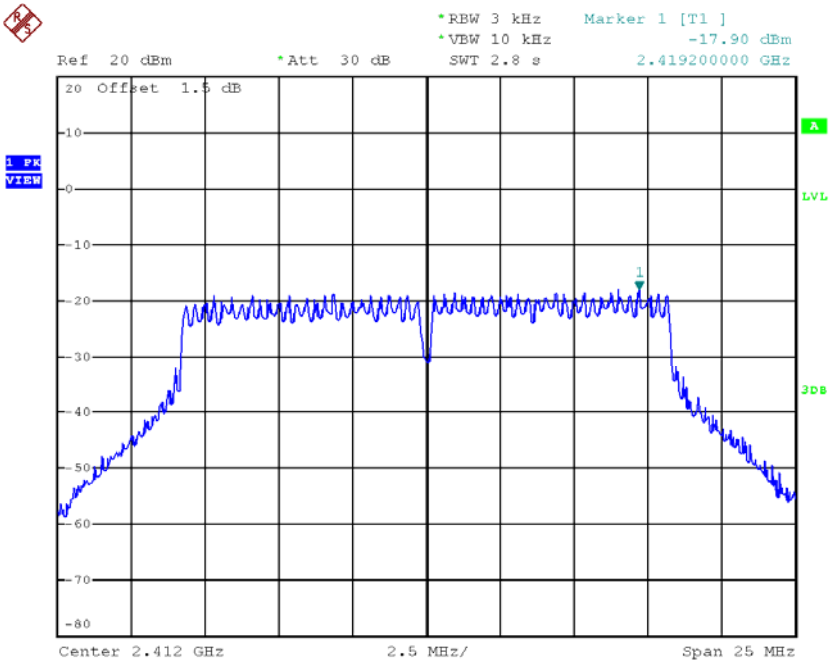


TX CH10

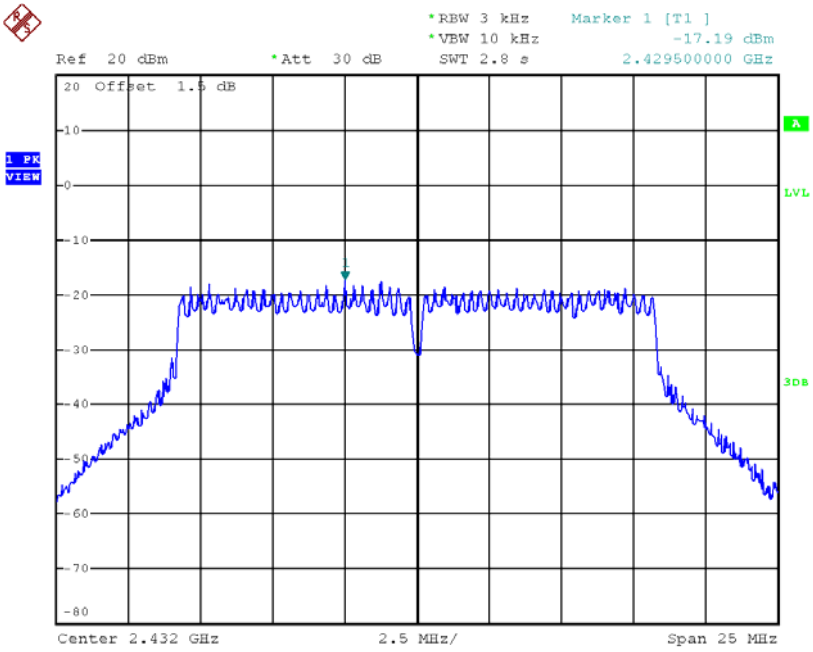


Test Mode :TX G Mode_CH01/05/10				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-17.90	0.02	8.00	Complies
2437	-17.19	0.02	8.00	Complies
2457	-17.46	0.02	8.00	Complies

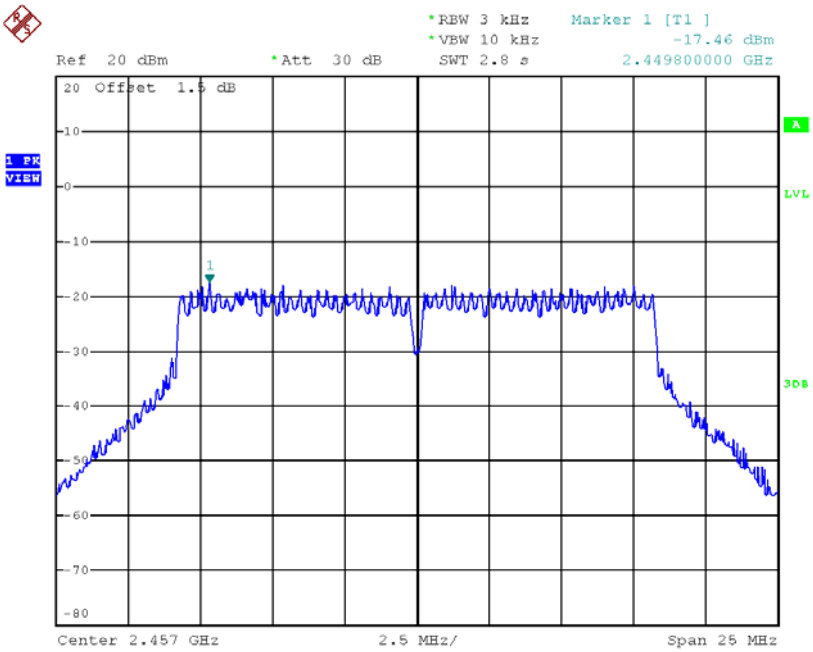
TX CH01



TX CH05

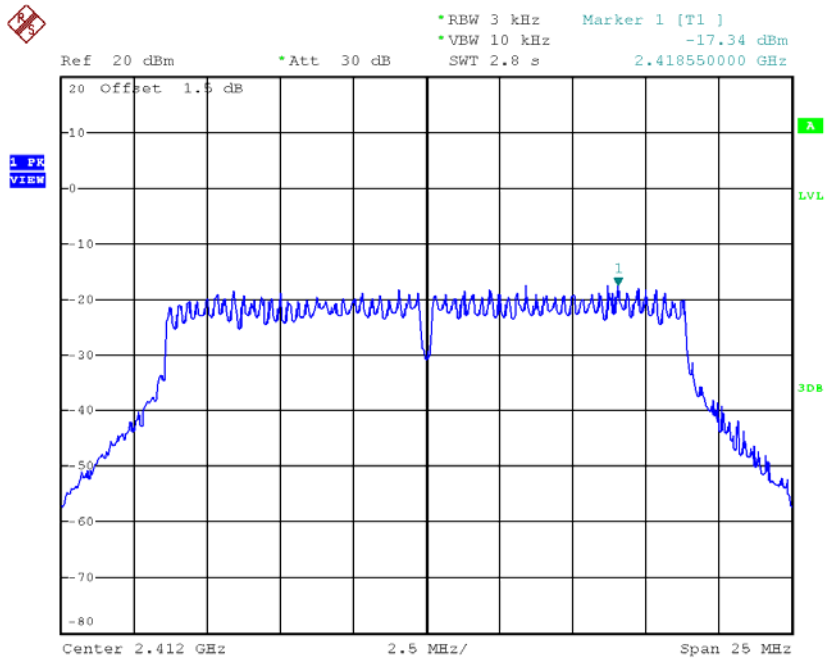


TX CH10

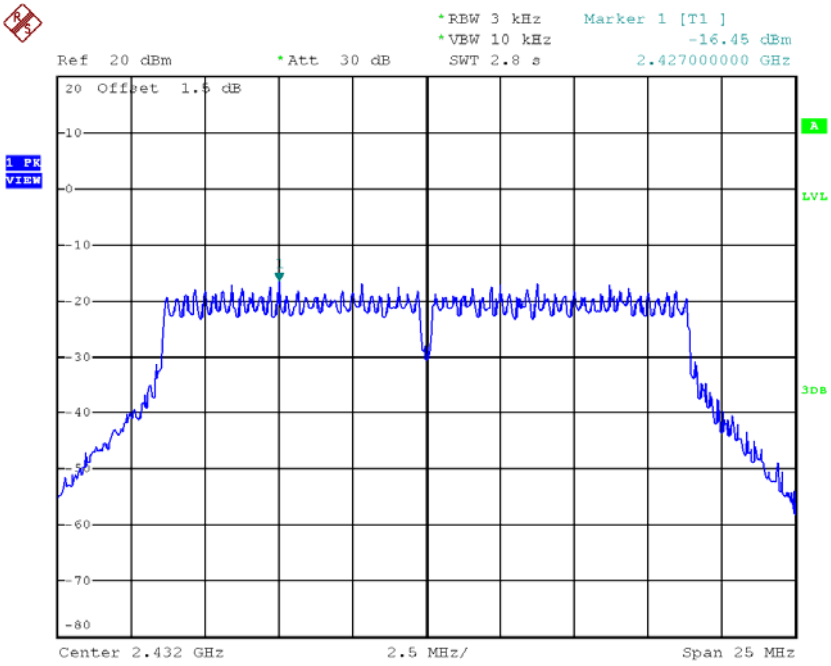


Test Mode : TX N-20M Mode_CH01/05/10_ANT 1				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-17.34	0.02	8.00	Complies
2437	-16.45	0.02	8.00	Complies
2457	-17.22	0.02	8.00	Complies

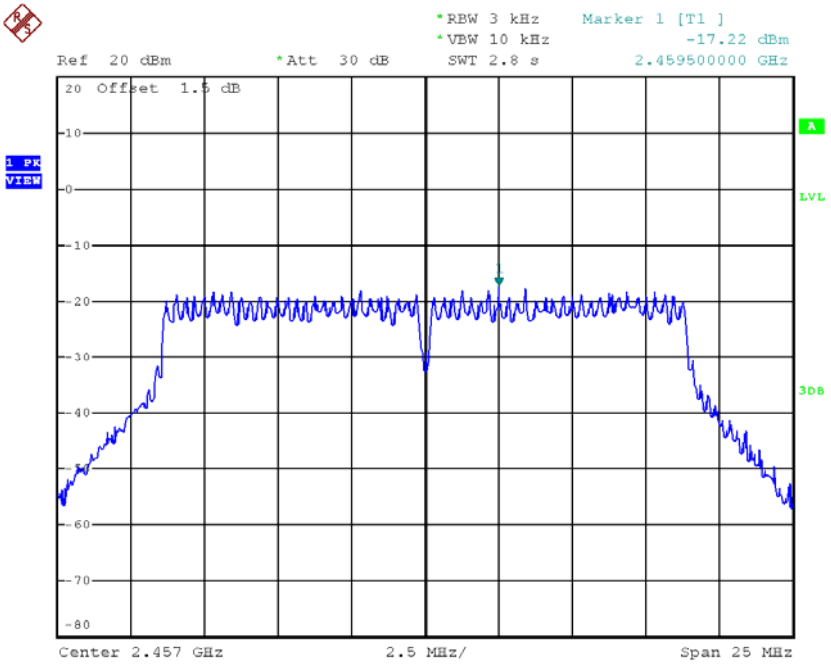
TX CH01



TX CH05

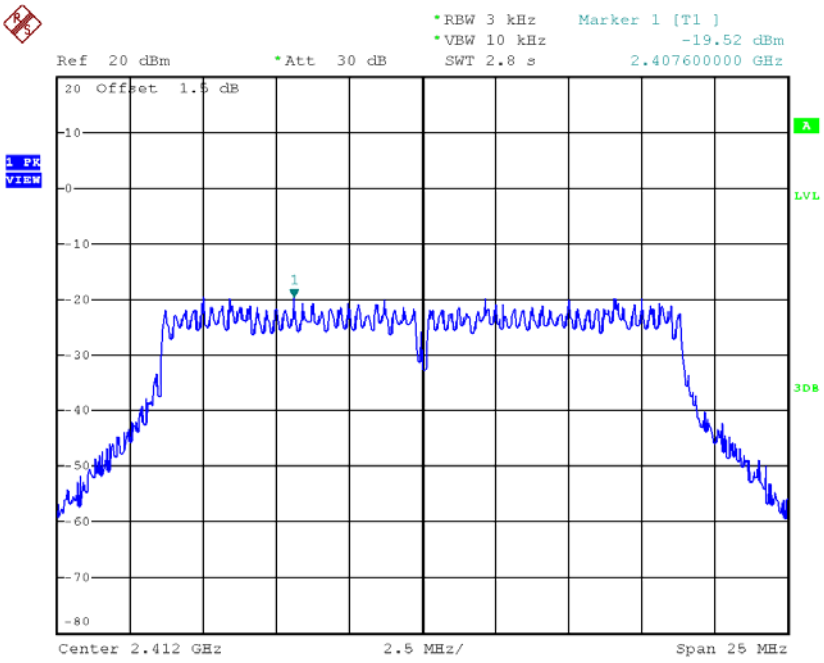


TX CH10

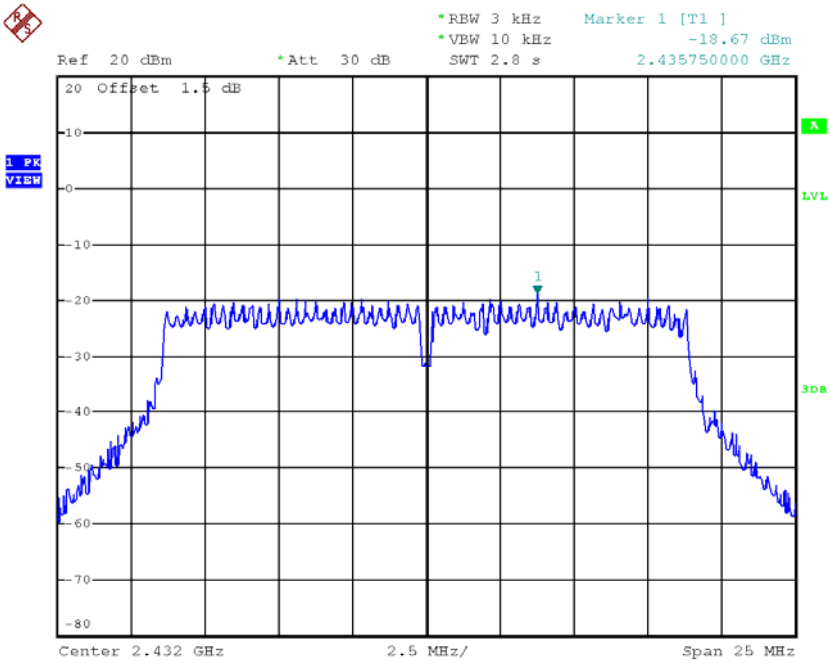


Test Mode : TX N-20M Mode_CH01/05/10_ANT 2				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-19.52	0.01	8.00	Complies
2437	-18.67	0.01	8.00	Complies
2457	-18.60	0.01	8.00	Complies

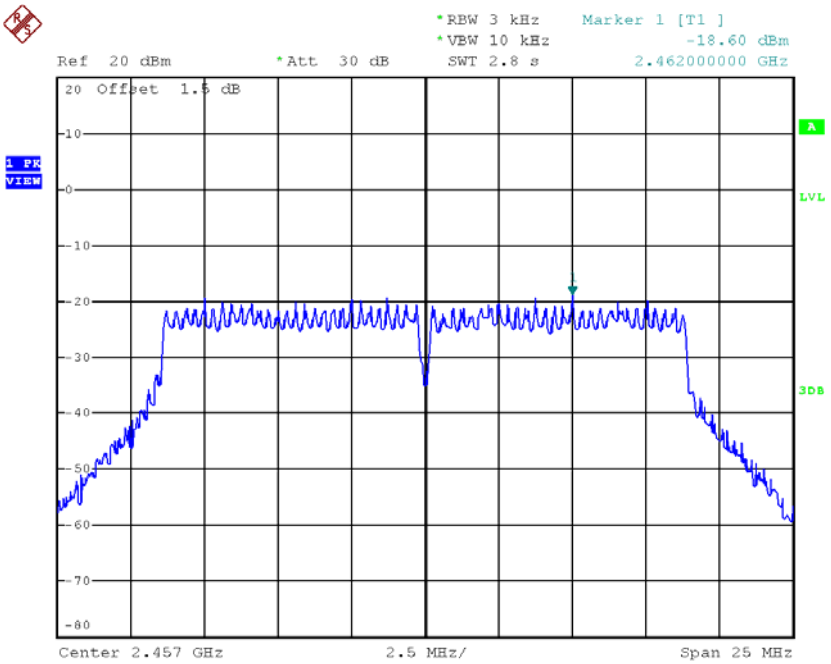
TX CH01



TX CH05



TX CH10

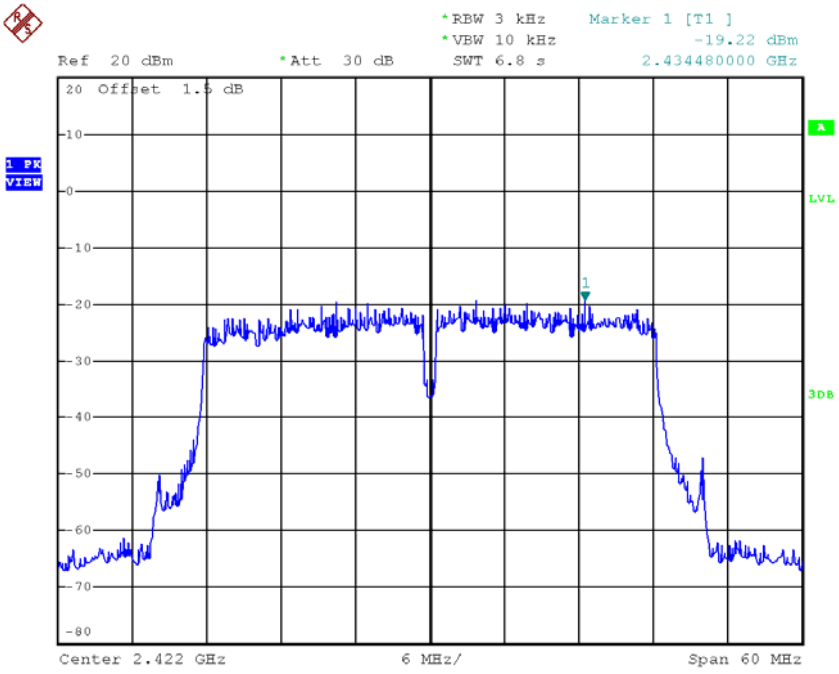


Test Mode : TX N-20M Mode_CH01/05/10_Total				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-15.28	0.03	8.00	Complies
2437	-14.41	0.04	8.00	Complies
2457	-14.85	0.03	8.00	Complies

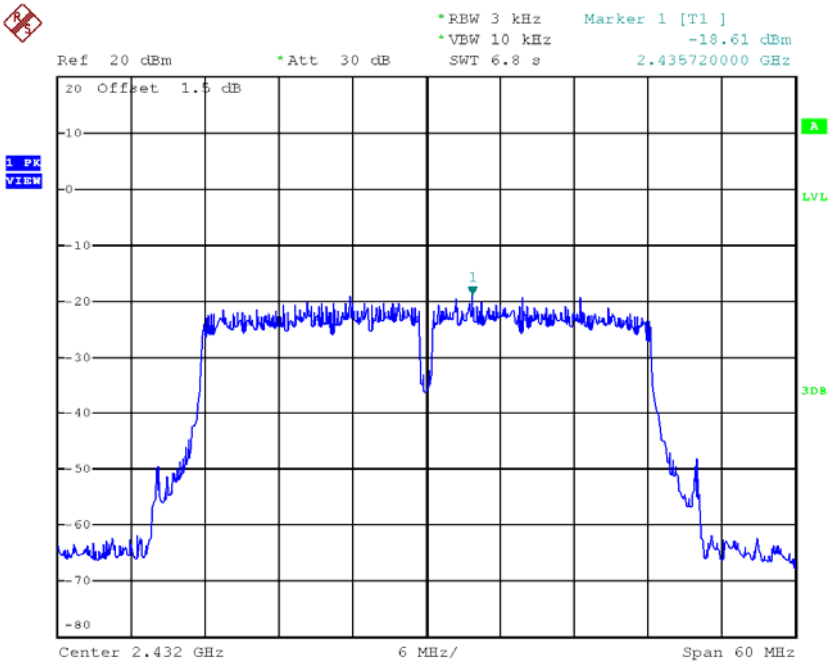
Test Mode : TX N-40M Mode_CH03/05/08_ANT 1

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-19.22	0.01	8.00	Complies
2437	-18.61	0.01	8.00	Complies
2447	-18.64	0.01	8.00	Complies

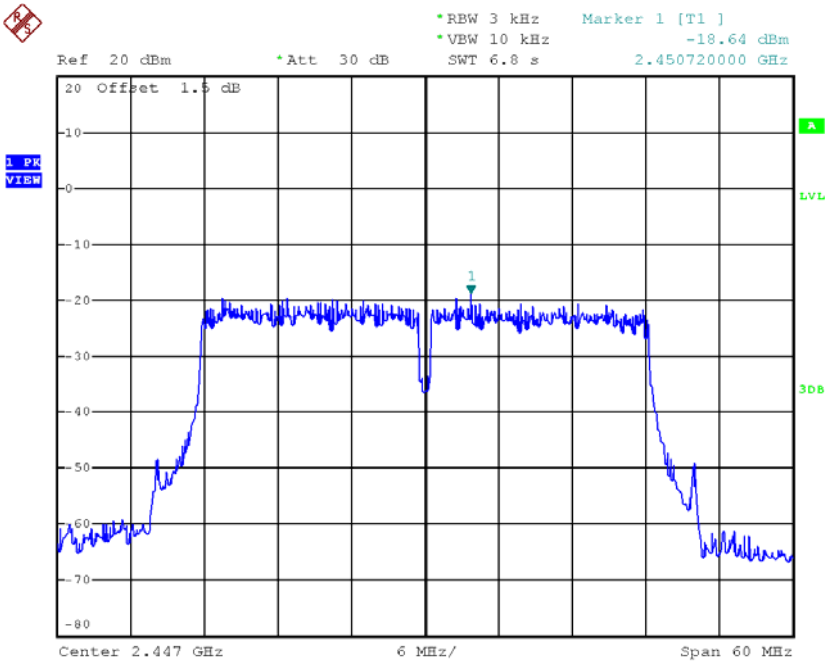
TX CH03



TX CH05



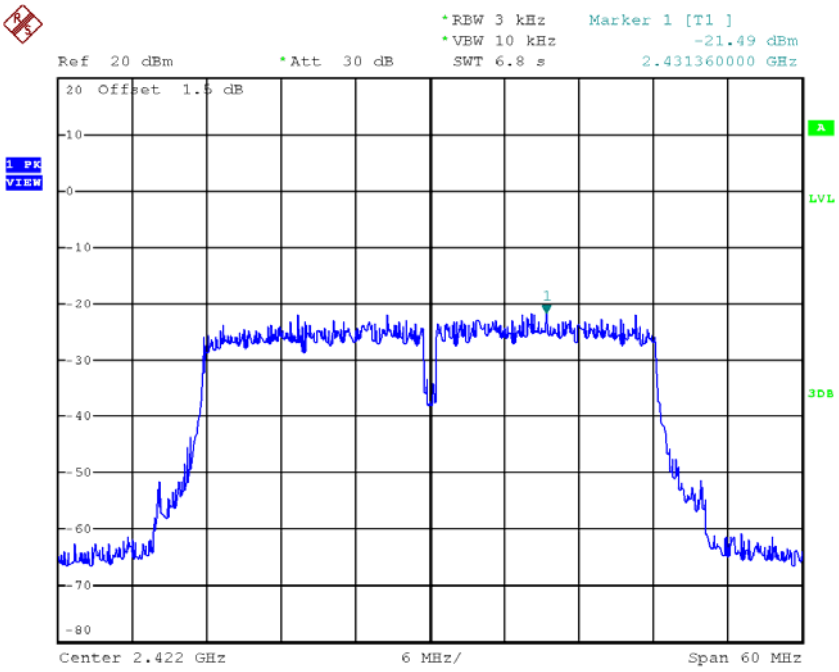
TX CH09



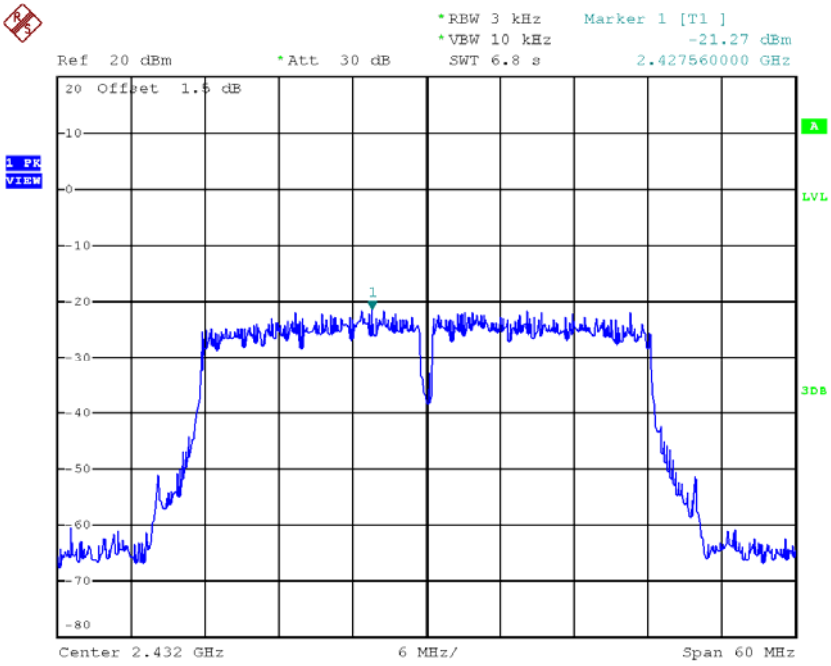
Test Mode : TX N-40M Mode_CH03/05/08_ANT 2

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-21.49	0.01	8.00	Complies
2437	-21.27	0.01	8.00	Complies
2447	-20.98	0.01	8.00	Complies

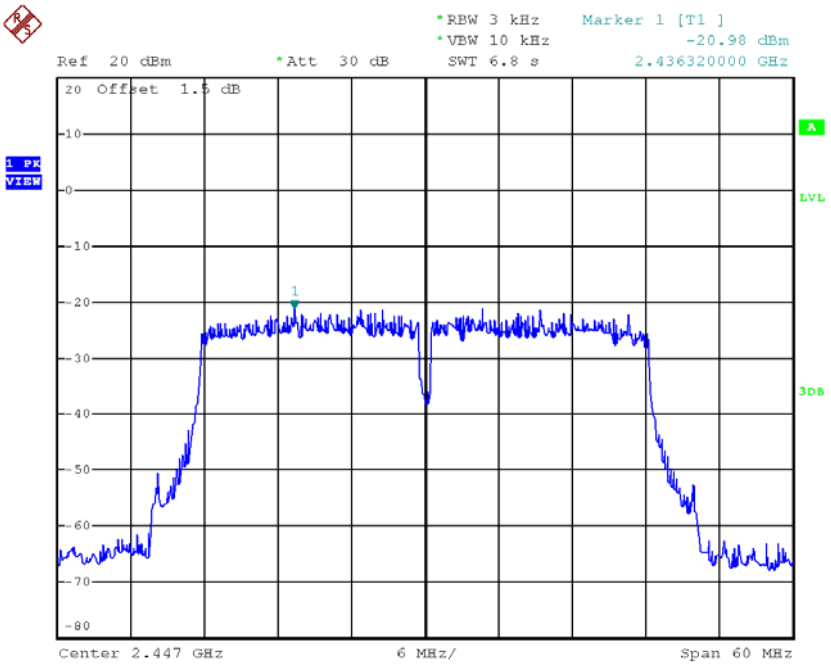
TX CH03



TX CH05



TX CH09



Test Mode : TX N-40M Mode_CH03/05/08_Total				
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-17.20	0.02	8.00	Complies
2437	-16.73	0.02	8.00	Complies
2447	-16.64	0.02	8.00	Complies