

FCC Radio Test Report

FCC ID: T58WF2220R

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

Project No. : 1409C088
Equipment : 300Mbps Wireless N Access Point
Model Name : WF2220
Applicant : NETIS SYSTEMS CO., LTD
Address : 4F&5F R&D Building, Oriental Cyberport, High-Tech Industrial Park, Nanshan, Shenzhen, China.

Date of Receipt : Oct. 28, 2014
Date of Test : Sep. 11, 2014~Nov. 05, 2014
Issued Date : Nov. 07, 2014
Tested by : BTL Inc.

Testing Engineer : David Mao
(David Mao)

Technical Manager : Leo Hung
(Leo Hung)

Authorized Signatory : Steven Lu
(Steven Lu)

B T L I N C .

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 the standards traceable to National Measurement Laboratory (**NML**) of **R.O.C**, or National Institute of Standards and Technology (**NIST**) of **U.S.A**.

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 reports must not be used by the client to claim product endorsement by the authorities or any agency of the 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
1 . CERTIFICATION	6
2 . SUMMARY OF TEST RESULTS	7
2.1 TEST FACILITY	8
2.2 MEASUREMENT UNCERTAINTY	8
3 . GENERAL INFORMATION	9
3.1 GENERAL DESCRIPTION OF EUT	9
3.2 DESCRIPTION OF TEST MODES	11
3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING	12
3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED	13
3.5 DESCRIPTION OF SUPPORT UNITS	13
4 . EMC EMISSION TEST	14
4.1 CONDUCTED EMISSION MEASUREMENT	14
4.1.1 POWER LINE CONDUCTED EMISSION LIMITS	14
4.1.2 TEST PROCEDURE	14
4.1.3 DEVIATION FROM TEST STANDARD	14
4.1.4 TEST SETUP	15
4.1.5 EUT OPERATING CONDITIONS	15
4.1.6 EUT TEST CONDITIONS	15
4.1.7 TEST RESULTS	15
4.2 RADIATED EMISSION MEASUREMENT	16
4.2.1 RADIATED EMISSION LIMITS	16
4.2.2 TEST PROCEDURE	17
4.2.3 DEVIATION FROM TEST STANDARD	17
4.2.4 TEST SETUP	17
4.2.5 EUT OPERATING CONDITIONS	18
4.2.6 EUT TEST CONDITIONS	18
4.2.7 TEST RESULTS (9KHZ TO 30MHZ)	19
4.2.8 TEST RESULTS (BETWEEN 30MHZ TO 1000 MHZ)	19
4.2.9 TEST RESULTS (ABOVE 1000 MHZ)	19
5 . BANDWIDTH TEST	20
5.1 APPLIED PROCEDURES	20
5.1.1 TEST PROCEDURE	20
5.1.2 DEVIATION FROM STANDARD	20
5.1.3 TEST SETUP	20
5.1.4 EUT OPERATION CONDITIONS	20
5.1.5 EUT TEST CONDITIONS	20
5.1.6 TEST RESULTS	20

Table of Contents	Page
6 . MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST	21
6.1 APPLIED PROCEDURES / LIMIT	21
6.1.1 TEST PROCEDURE	21
6.1.2 DEVIATION FROM STANDARD	21
6.1.3 TEST SETUP	21
6.1.4 EUT OPERATION CONDITIONS	21
6.1.5 EUT TEST CONDITIONS	21
6.1.6 TEST RESULTS	21
7 . ANTENNA CONDUCTED SPURIOUS EMISSION	22
7.1 APPLIED PROCEDURES / LIMIT	22
7.1.1 TEST PROCEDURE	22
7.1.2 DEVIATION FROM STANDARD	22
7.1.3 TEST SETUP	22
7.1.4 EUT OPERATION CONDITIONS	22
7.1.5 EUT TEST CONDITIONS	22
7.1.6 TEST RESULTS	22
8 . POWER SPECTRAL DENSITY TEST	23
8.1 APPLIED PROCEDURES / LIMIT	23
8.1.1 TEST PROCEDURE	23
8.1.2 DEVIATION FROM STANDARD	23
8.1.3 TEST SETUP	23
8.1.4 EUT OPERATION CONDITIONS	23
8.1.5 EUT TEST CONDITIONS	23
8.1.6 TEST RESULTS	23
9 . MEASUREMENT INSTRUMENTS LIST	24
10 . EUT TEST PHOTO	26
ATTACHMENT A - CONDUCTED EMISSION	32
ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)	37
ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)	39
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	52
ATTACHMENT E - BANDWIDTH	101
ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER	110
ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION	114
ATTACHMENT H - POWER SPECTRAL DENSITY	137

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1409C088	Original Issue.	Nov. 07, 2014

1. CERTIFICATION

Equipment : 300Mbps Wireless N Access Point
Brand Name : netis
Model Name : WF2220
Applicant : NETIS SYSTEMS CO., LTD
Manufacturer : Shenzhen Netcore Industrial Ltd.
Address : 4F&5F R&D Building, Oriental Cyberport, High-Tech Industrial Park, Nanshan, Shenzhen, China.
Factory : Dongguan City Netcore Network Technology Co., Ltd.
Address : No.10-1, Sankeng Road, Qinghutou, Tangxia Town, Dongguan City
Date of Test : Sep. 11, 2014~Nov. 05, 2014
Test Sample : ENGINEERING SAMPLE
Standard(s) : FCC Part15, Subpart C: 2013 (15.247) / ANSI C63.4-2009

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-1-1409C088) 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).

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C: 2013			
Standard(s) Section	Test Item	Judgment	Remark
FCC			
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	
15.209/15.205	Transmitter Radiated Emissions	PASS	

NOTE:

- (1) "N/A" denotes test is not applicable in this test report.
- (2) The test follows FCC KDB Publication No. 558074 D01 DTS Meas Guidance v03r02 (Measurement Guidelines of DTS)

2.1 TEST FACILITY

The test facilities used to collect the test data in this report is **DG-C02/DG-CB03** at the location of No.3,Jinshagang 1st Road, Shixia, Dalang Town, Dongguan, Guangdong, China.523792

BTL's test firm number for FCC: 319330

BTL's test firm number for IC: 4428B-1

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 reported uncertainty of measurement $y \pm U$, 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)	NOTE
DG-C02	CISPR	150 KHz ~ 30MHz	3.40	

B. Radiated Measurement :

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)	NOTE
DG-CB03	CISPR	9KHz~30MHz	V	3.79	
		9KHz~30MHz	H	3.57	
		30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	H	3.60	
		200MHz ~ 1,000MHz	V	3.86	
		200MHz ~ 1,000MHz	H	3.94	
		1GHz~18GHz	V	3.12	
		1GHz~18GHz	H	3.68	
		18GHz~40GHz	V	4.15	
		18GHz~40GHz	H	4.14	

3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	300Mbps Wireless N Access Point	
Brand Name	netis	
Model Name	WF2220	
Model Difference	N/A	
Product Description	Operation Frequency	2412~2462 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: 18.40dBm 802.11g: 25.01dBm 802.11n(20MHz): 22.73dBm 802.11n(40MHz): 22.71dBm
Power Source	DC Voltage supplied from AC/DC adapter. Model:NT12V1AUL	
Power Rating	I/P:AC 100-240V~0.3A 50/60Hz O/P: DC 12V 1A	

Note:

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

2. Channel List:

CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz) CH03 – CH09 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	11	2462
03	2422	06	2437	09	2452		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain	Note
1	Dongguan RF Electronic Technology	RF21S00001A	Dipole	N/A	5.24	TX/RX
2	Dongguan RF Electronic Technology	RF21S00001A	Dipole	N/A	5.24	TX/RX

Note:

(1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed two transmitters and two receivers (2T2R), all transmit signals are completely uncorrelated, then, **Direction gain = G_{ANT}** , that is Directional gain=5.24.

4.

Operating Mode	1TX	2TX
TX Mode		
802.11b	V (ANT 1 or ANT 2)	-
802.11g	V (ANT 1 or ANT 2)	-
802.11n(20MHz)	-	V (ANT 1 + ANT 2)
802.11n(40MHz)	-	V (ANT 1 + ANT 2)

3.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generated from EUT, the test system was pre-scanning tested based on the consideration of following EUT operation mode or test configuration mode which possibly 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 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09
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 01/06/11
Mode 2	TX G MODE CHANNEL 01/06/11
Mode 3	TX N-20MHZ MODE CHANNEL 01/06/11
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09

Note:

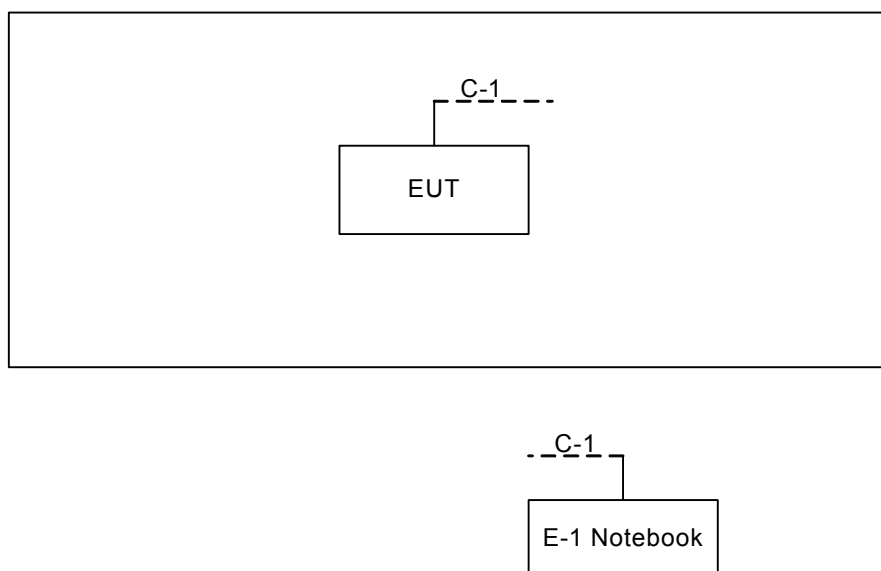
- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps)
802.11g mode: OFDM (6Mbps)
802.11n HT20 mode : BPSK (13Mbps)
802.11n HT40 mode : BPSK (27Mbps)
For radiated emission tests, the highest output powers were set for final test.
- (3) For 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	Smart Tools		
Frequency (MHz)	2412	2437	2462
802.11b	40	40	39
802.11g	44	49	48
802.11n (20MHz)	39	45	40
Frequency	2422	2437	2452
802.11n (40MHz)	38	45	36

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/IC	Series No.	Note
E-1	Notebook	DELL	INSPIRON 1420	DOC	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
C-1	YES	NO	10m	RJ45 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 -0.5	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

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

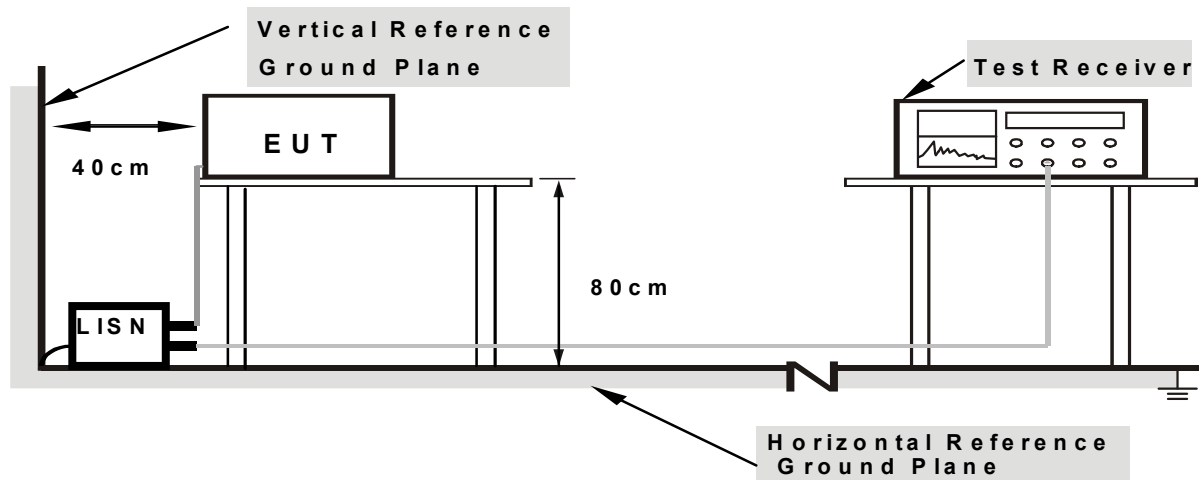
4.1.2 TEST PROCEDURE

- 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.
- 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.
- 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.
- LISN at least 80 cm from nearest part of EUT chassis.
- 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 configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

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

20dB in any 100 KHz bandwidth outside the operating frequency band. 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)	(dBuV/m) (at 3 meters)	
	PEAK	AVERAGE
Above 1000	74	54

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).

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RBW / VBW (Emission in restricted band)	RBW 1MHz VBW 3MHz peak detector for Pk value RMS detector for AV value

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

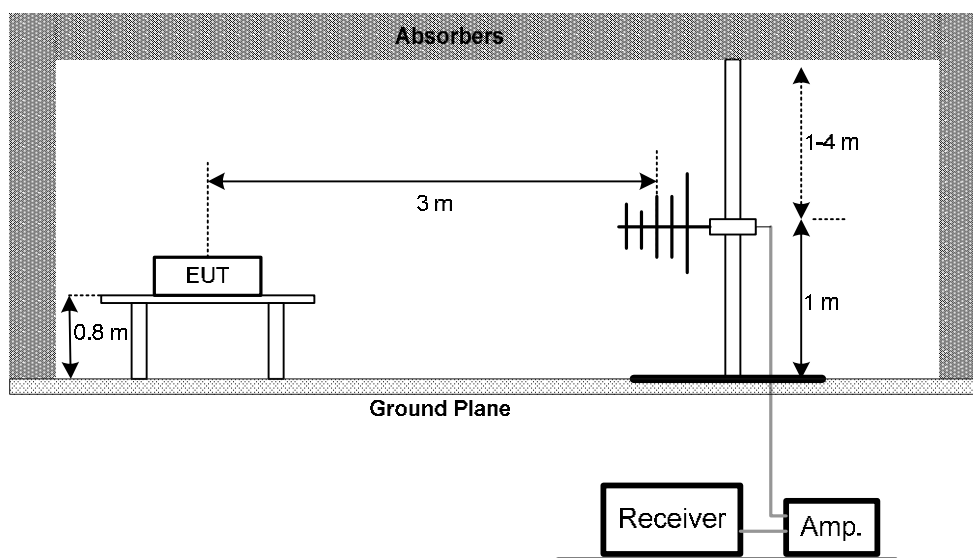
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- The height of the equipment or of the substitution antenna shall be 0.8 m; 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.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

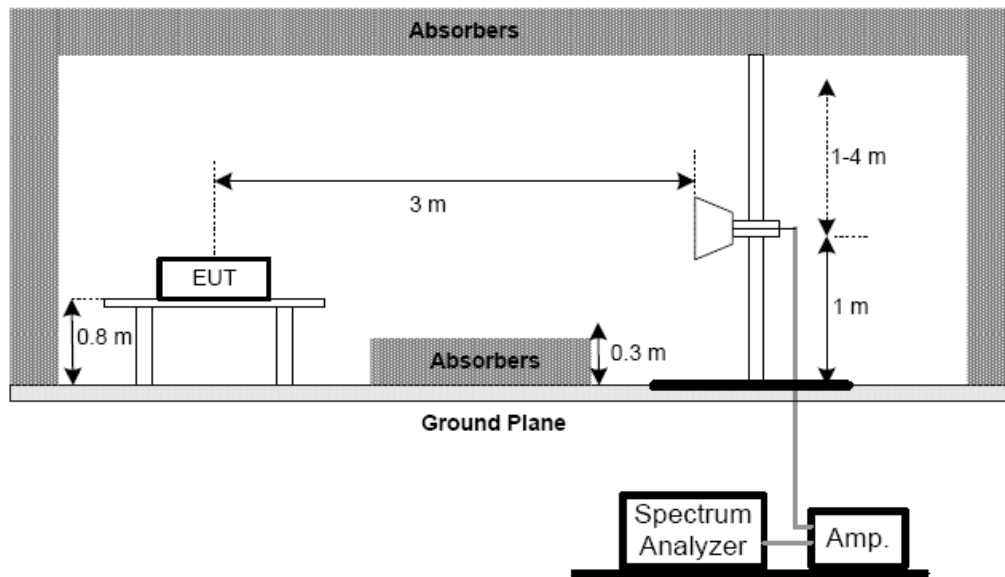
No deviation

4.2.4 TEST SETUP

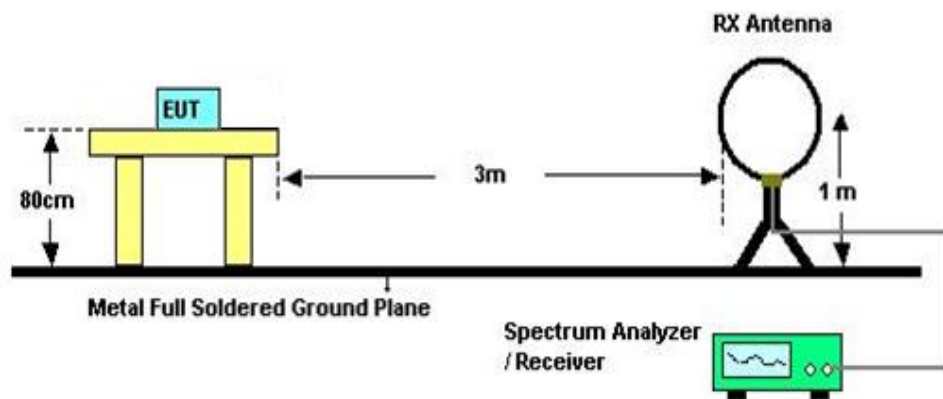
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of **4.1.5 Unless** otherwise a special operating condition is specified in the follows during the testing.

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

4.2.8 TEST RESULTS (BETWEEN 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

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- 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 tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

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

- The EUT was directly connected to the power meter and antenna output port as show in the block diagram below,
- The maximum peak conducted output power was performed in accordance with method 9.1.2 of FCC KDB 558074 D01 DTS Meas Guidance v03r02.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing. Transmit output power was measured while the host equipment supply voltage was varied from 85 % to 115 % of the nominal rated supply voltage. No change in transmit output power was observed.

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 intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.

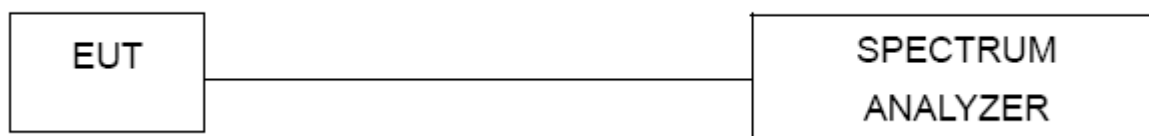
7.1.1 TEST PROCEDURE

- 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.

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

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

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- 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 tested system was configured as the statements of 4.1.5 Unless otherwise a special operating condition is specified in the follows during the testing.

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	LISN	EMCO	3816/2	00052765	Mar. 29, 2015
2	LISN	R&S	ENV216	101447	Mar. 29, 2015
3	Test Cable	N/A	C_17	N/A	Mar. 14, 2015
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 29, 2015
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 29, 2015

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 29, 2015
2	Amplifier	HP	8447D	2944A09673	Mar. 29, 2015
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2015
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 01, 2015
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 29, 2015
7	Amplifier	Agilent	8449B	3008A02274	Mar. 29, 2015
8	Test Cable	HUBER+SUHNER	C-48	N/A	Apr. 30, 2015
9	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Feb. 22, 2015
10	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 22, 2015
11	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 29, 2015
12	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

6dB Bandwidth Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	P-series Power meter	Agilent	N1911A	MY45100473	Mar. 29, 2015
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Mar. 29, 2015

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 11, 2014

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

10. EUT TEST PHOTO

Conducted Measurement Photos Without POE



**Conducted Measurement Photos
With POE**



Radiated Measurement Photos

9KHz to 30MHz



Radiated Measurement Photos

30MHz to 1000MHz-Without POE



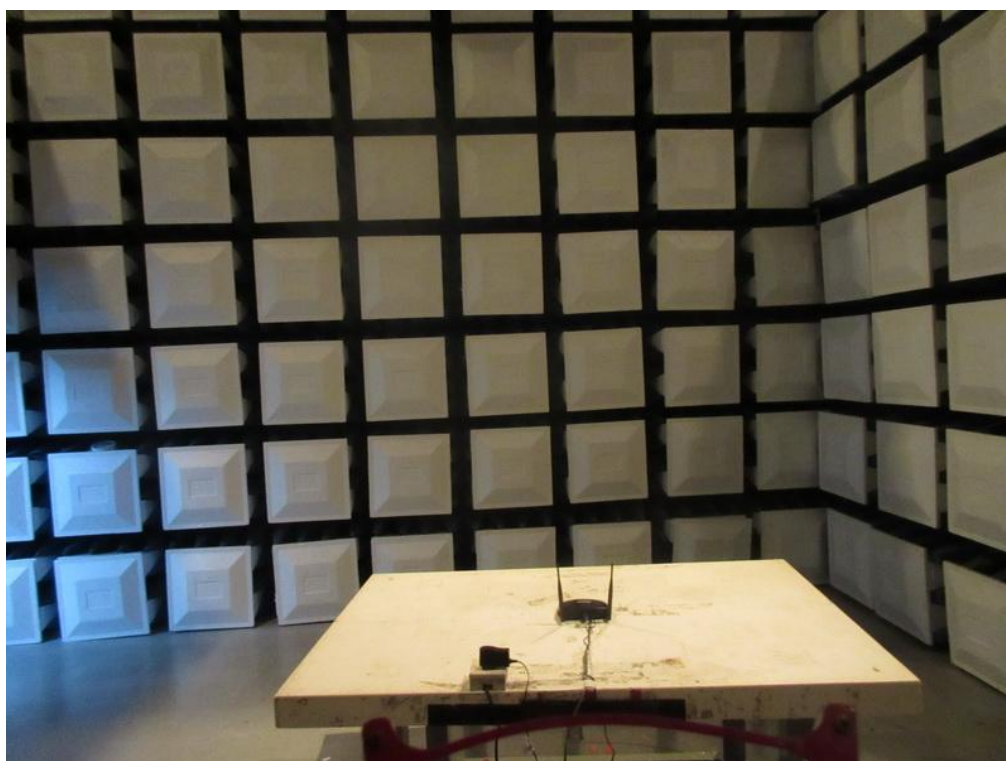
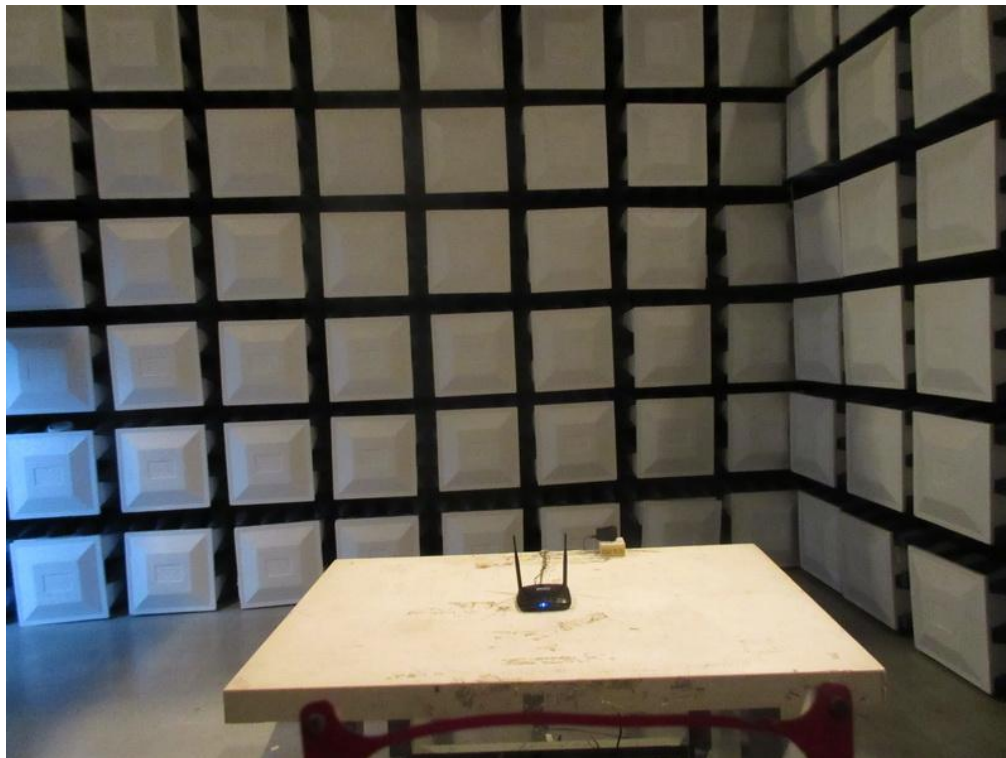
Radiated Measurement Photos

30MHz to 1000MHz-With POE



Radiated Measurement Photos

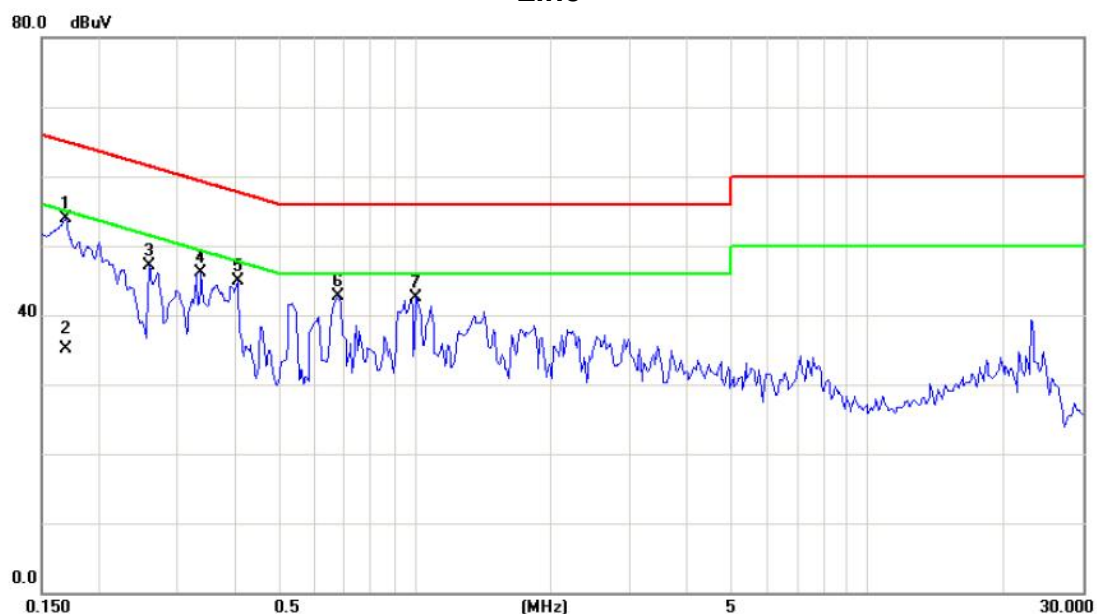
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode : TX MODE-Without POE

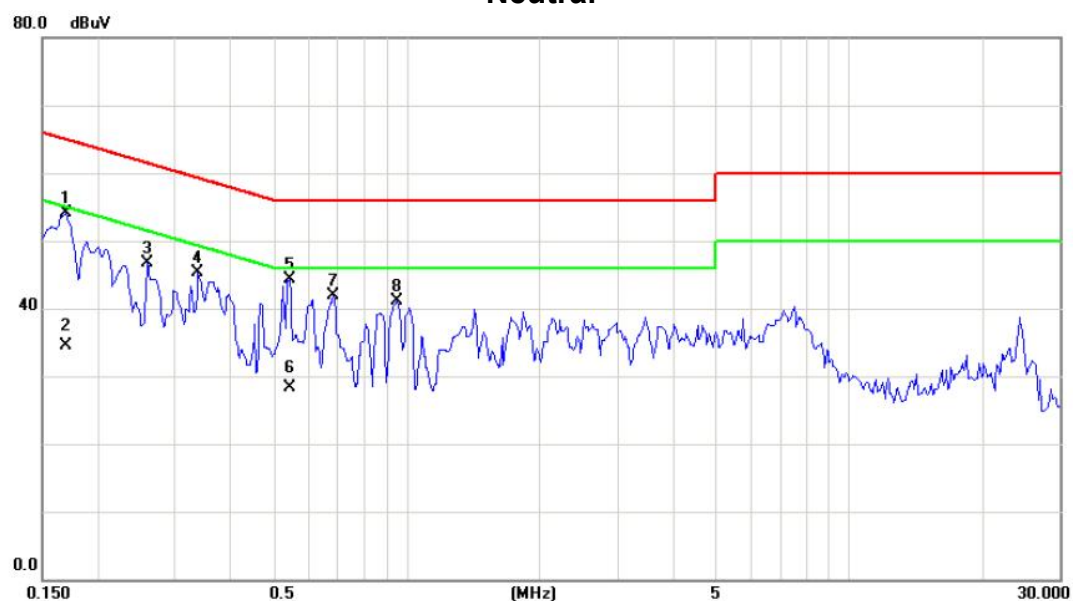
Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1695	44.43	9.53	53.96	64.98	-11.02	peak	
2		0.1695	25.60	9.53	35.13	54.98	-19.85	AVG	
3		0.2594	37.56	9.58	47.14	61.45	-14.31	peak	
4		0.3375	36.50	9.61	46.11	59.26	-13.15	peak	
5		0.4078	35.18	9.65	44.83	57.69	-12.86	peak	
6		0.6773	33.17	9.63	42.80	56.00	-13.20	peak	
7		1.0094	32.87	9.70	42.57	56.00	-13.43	peak	

Test Mode : TX MODE-Without POE

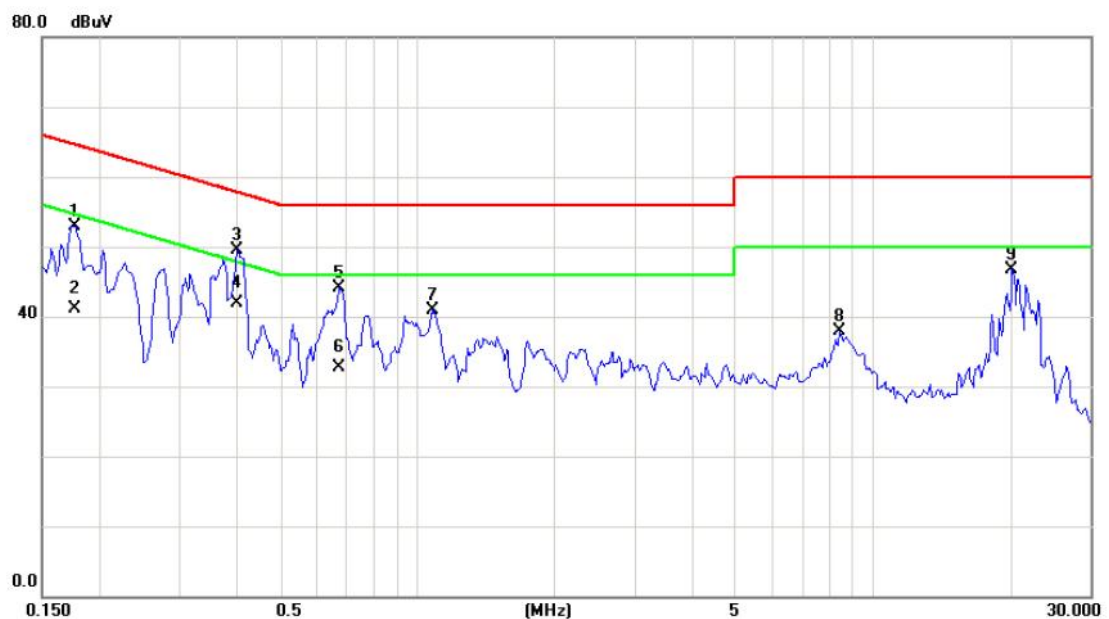
Neutral



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	*	0.1695	44.39	9.62	54.01	64.98	-10.97	peak	
2		0.1695	24.80	9.62	34.42	54.98	-20.56	AVG	
3		0.2594	37.13	9.62	46.75	61.45	-14.70	peak	
4		0.3375	35.73	9.62	45.35	59.26	-13.91	peak	
5		0.5445	34.58	9.64	44.22	56.00	-11.78	peak	
6		0.5445	18.60	9.64	28.24	46.00	-17.76	AVG	
7		0.6852	32.19	9.66	41.85	56.00	-14.15	peak	
8		0.9508	31.47	9.67	41.14	56.00	-14.86	peak	

Test Mode : TX MODE-With POE

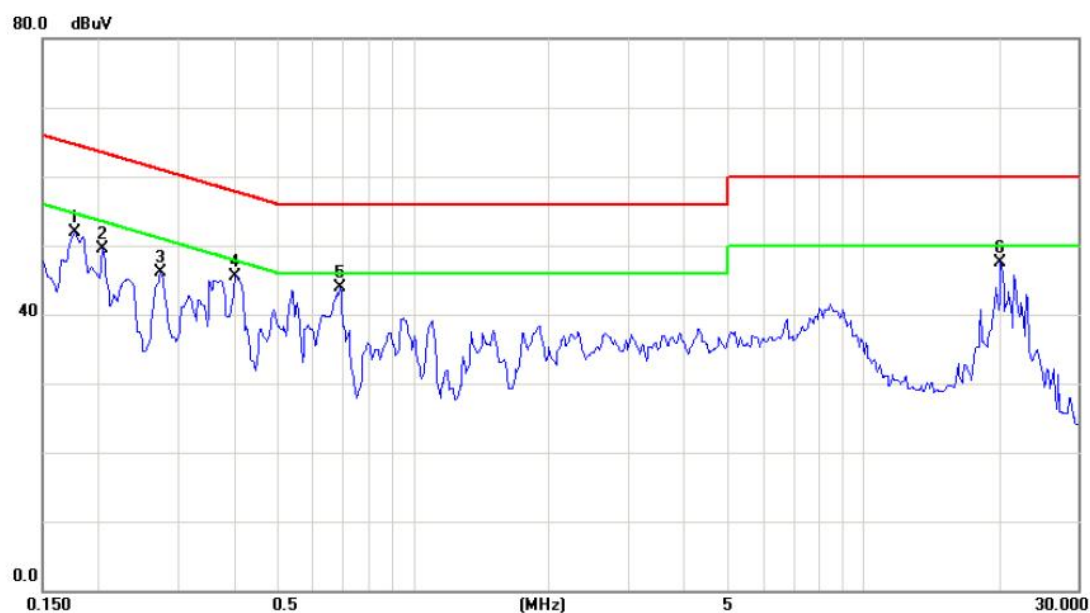
Line



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1		0.1773	43.46	9.53	52.99	64.61	-11.62	peak	
2		0.1773	31.60	9.53	41.13	54.61	-13.48	AVG	
3		0.4040	39.86	9.65	49.51	57.77	-8.26	peak	
4	*	0.4040	32.30	9.65	41.95	47.77	-5.82	AVG	
5		0.6734	34.41	9.63	44.04	56.00	-11.96	peak	
6		0.6734	23.10	9.63	32.73	46.00	-13.27	AVG	
7		1.0875	31.18	9.70	40.88	56.00	-15.12	peak	
8		8.4492	27.90	10.03	37.93	60.00	-22.07	peak	
9		20.2578	36.34	10.46	46.80	60.00	-13.20	peak	

Test Mode : TX MODE-With POE

Neutral



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV	Limit dBuV	Over dB	Detector	Comment
1	0.1773	42.27	9.62	51.89	64.61	-12.72	peak	
2	0.2047	39.81	9.61	49.42	63.42	-14.00	peak	
3	0.2750	36.49	9.62	46.11	60.97	-14.86	peak	
4	0.4040	35.78	9.63	45.41	57.77	-12.36	peak	
5 *	0.6891	34.17	9.66	43.83	56.00	-12.17	peak	
6	20.2578	37.09	10.45	47.54	60.00	-12.46	peak	

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

Test Mode: TX Mode 2412MHz

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0164	0°	3.15	24.53	27.68	103.33	-75.65	AVG
0.0164	0°	4.76	24.53	29.29	123.33	-94.04	PK
0.0275	0°	1.17	23.83	25.00	98.82	-73.82	AVG
0.0275	0°	3.61	23.83	27.44	118.82	-91.38	PK
0.0428	0°	0.37	22.86	23.23	94.98	-71.75	AVG
0.0428	0°	1.75	22.86	24.61	114.98	-90.37	PK
0.0519	0°	-0.33	22.36	22.03	93.30	-71.27	AVG
0.0519	0°	1.64	22.36	24.00	113.30	-89.30	PK
0.8712	0°	21.35	20.12	41.47	68.80	-27.34	QP
1.8175	0°	26.43	19.52	45.95	69.54	-23.59	QP

Freq. (MHz)	Ant. 0°/90°	Reading(RA) (dBuV)	Corr.Factor(CF) (dB)	Measured(FS) (dBuV/m)	Limits(QP) (dBuV/m)	Margin (dB)	Note
0.0158	90°	2.03	24.30	26.33	123.65	-97.32	AVG
0.0158	90°	3.76	24.30	28.06	143.65	-115.59	PK
0.0317	90°	1.17	23.56	24.73	117.58	-92.85	AVG
0.0317	90°	2.39	23.56	25.95	137.58	-111.63	PK
0.0451	90°	-0.35	22.71	22.36	114.52	-92.16	AVG
0.0451	90°	1.28	22.71	23.99	134.52	-110.53	PK
0.0659	90°	0.08	22.08	22.16	111.23	-89.06	AVG
0.0659	90°	1.57	22.08	23.65	131.23	-107.57	PK
0.7612	90°	23.15	20.56	43.71	69.97	-26.27	QP
1.8176	90°	28.33	19.52	47.85	69.54	-21.69	QP

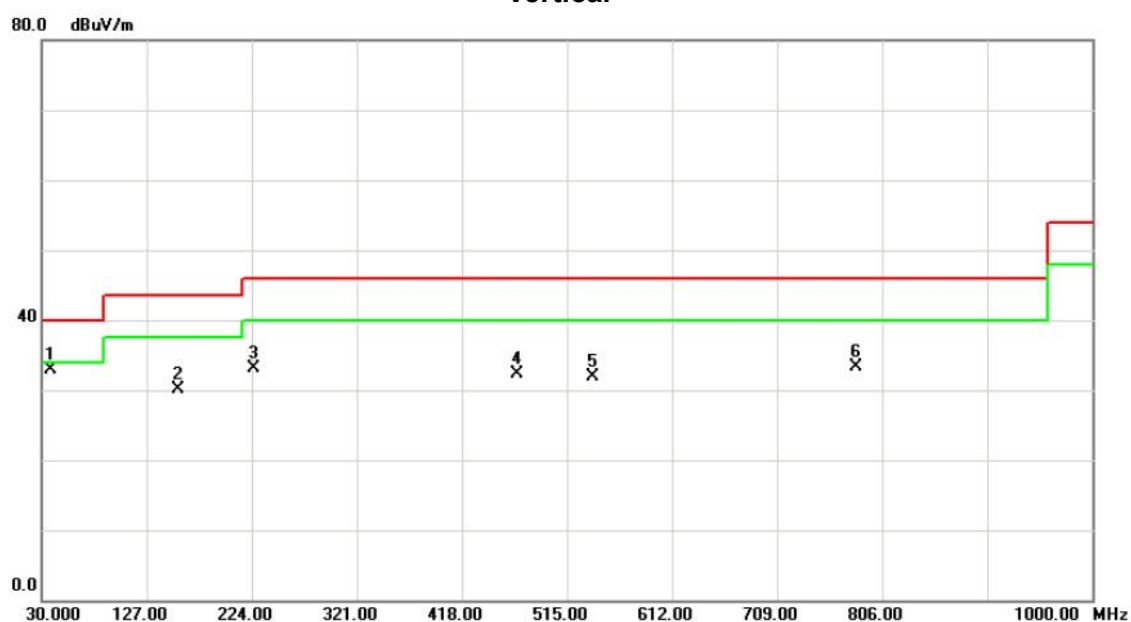
Remark:

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

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

Test Mode: TX B MODE CHANNEL 01 -Without POE

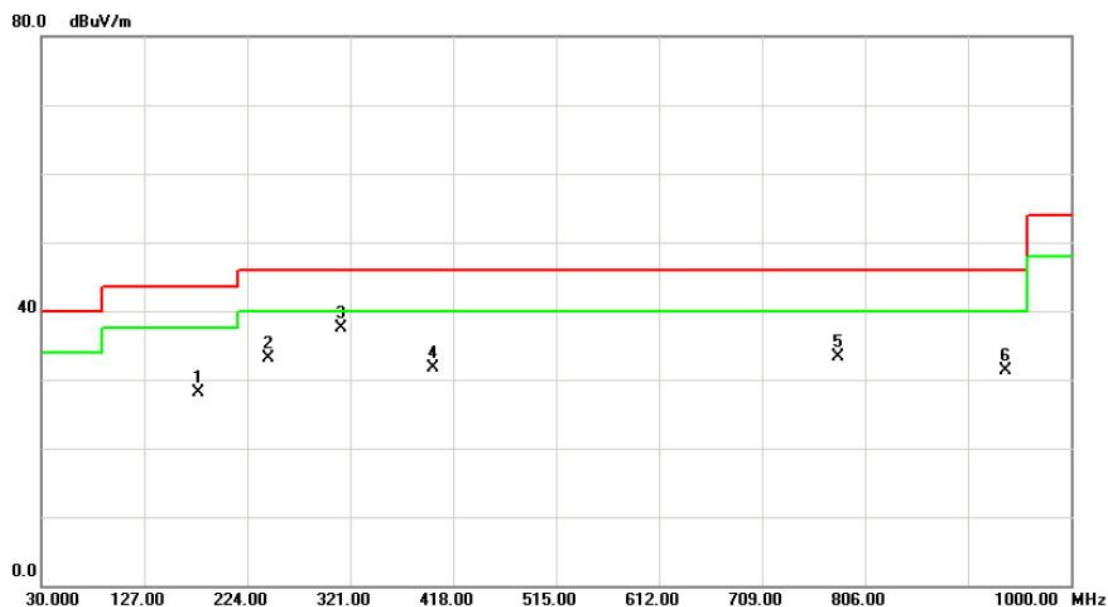
Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1	*	38.7300	47.17	-14.32	32.85	40.00	-7.15	peak	
2		156.1000	43.65	-13.62	30.03	43.50	-13.47	peak	
3		225.9400	47.50	-14.49	33.01	46.00	-12.99	peak	
4		468.4400	41.61	-9.32	32.29	46.00	-13.71	peak	
5		538.2800	40.35	-8.54	31.81	46.00	-14.19	peak	
6		781.7500	36.76	-3.52	33.24	46.00	-12.76	peak	

Test Mode: TX B MODE CHANNEL 01 -Without POE

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		178.4100	41.16	-12.96	28.20	43.50	-15.30	peak	
2		243.4000	47.04	-14.03	33.01	46.00	-12.99	peak	
3	*	312.2700	48.69	-11.19	37.50	46.00	-8.50	peak	
4		398.6000	41.39	-9.60	31.79	46.00	-14.21	peak	
5		780.7800	36.84	-3.57	33.27	46.00	-12.73	peak	
6		937.9200	31.86	-0.53	31.33	46.00	-14.67	peak	

Test Mode:	TX B MODE CHANNEL 06-Without POE
------------	----------------------------------

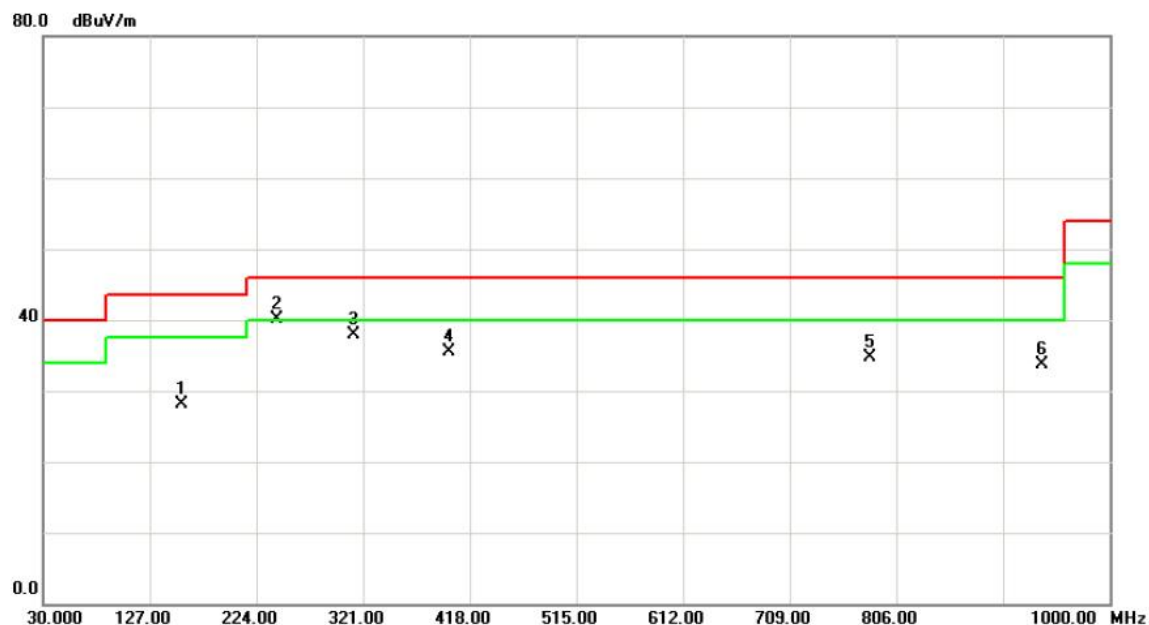
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	38.7300	46.66	-14.32	32.34	40.00	-7.66	peak	
2		156.1000	44.29	-13.62	30.67	43.50	-12.83	peak	
3		225.9400	46.55	-14.49	32.06	46.00	-13.94	peak	
4		312.2700	43.86	-11.19	32.67	46.00	-13.33	peak	
5		468.4400	41.57	-9.32	32.25	46.00	-13.75	peak	
6		555.7400	39.01	-7.93	31.08	46.00	-14.92	peak	

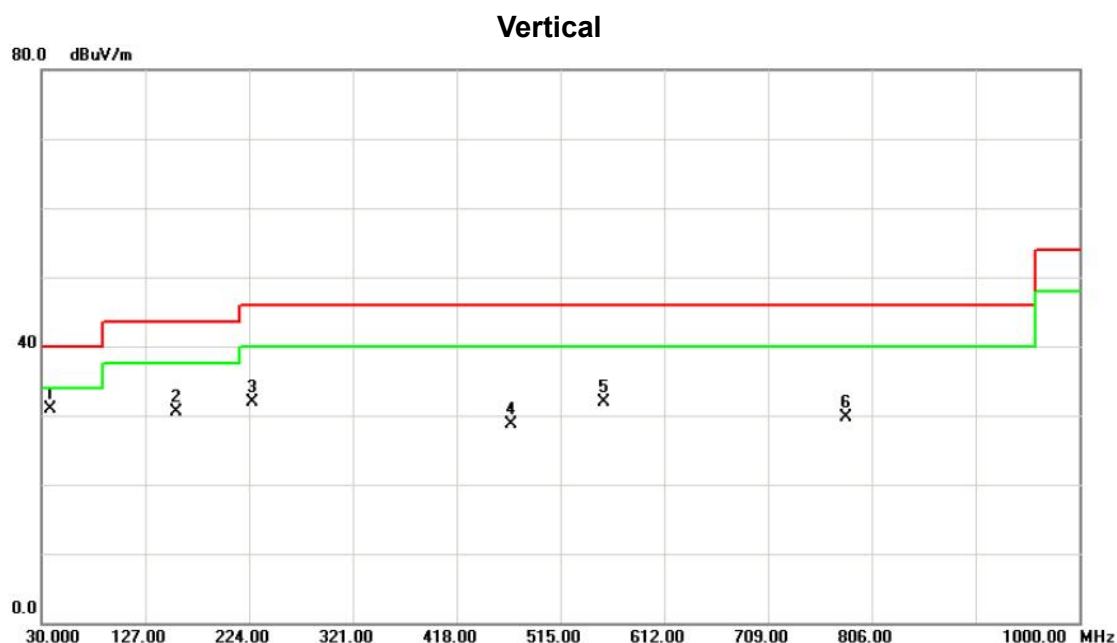
Test Mode: TX B MODE CHANNEL 06-Without POE

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		156.1000	41.67	-13.62	28.05	43.50	-15.45	peak	
2	*	242.4300	54.07	-14.04	40.03	46.00	-5.97	peak	
3		312.2700	49.01	-11.19	37.82	46.00	-8.18	peak	
4		399.5700	45.13	-9.55	35.58	46.00	-10.42	peak	
5		781.7500	38.25	-3.52	34.73	46.00	-11.27	peak	
6		937.9200	34.30	-0.53	33.77	46.00	-12.23	peak	

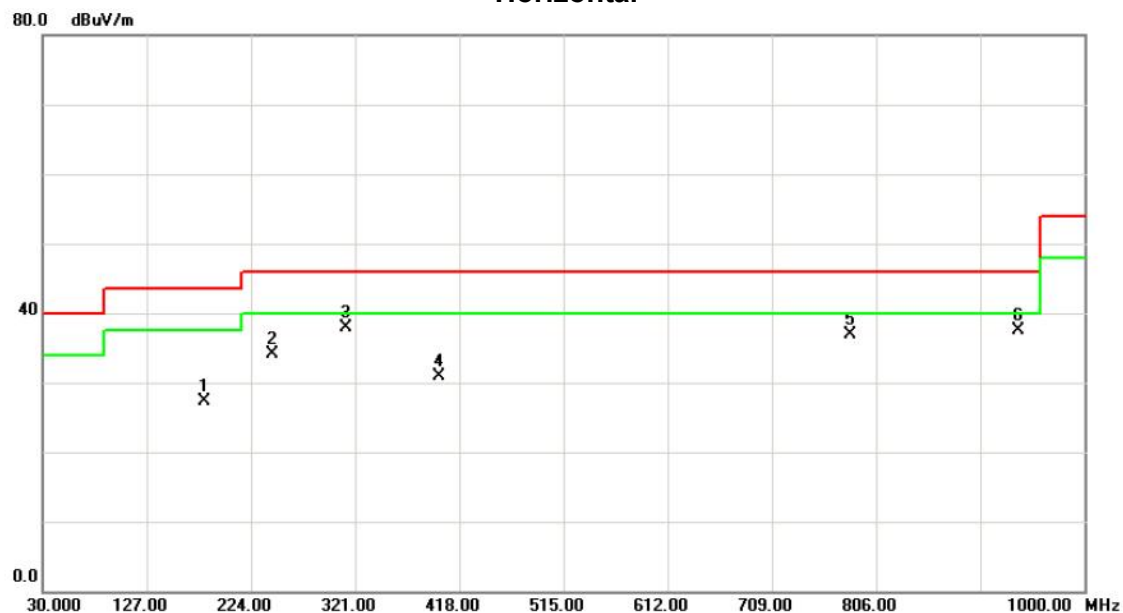
Test Mode: TX B MODE CHANNEL 11-Without POE



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	38.7300	45.29	-14.32	30.97	40.00	-9.03	peak	
2		156.1000	44.11	-13.62	30.49	43.50	-13.01	peak	
3		226.9100	46.39	-14.44	31.95	46.00	-14.05	peak	
4		468.4400	37.99	-9.32	28.67	46.00	-17.33	peak	
5		555.7400	39.88	-7.93	31.95	46.00	-14.05	peak	
6		781.7500	33.16	-3.52	29.64	46.00	-16.36	peak	

Test Mode: TX B MODE CHANNEL 11-Without POE

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over	Detector	Comment
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB		
1		180.3500	40.28	-13.05	27.23	43.50	-16.27	peak	
2		243.4000	48.18	-14.03	34.15	46.00	-11.85	peak	
3	*	312.2700	49.05	-11.19	37.86	46.00	-8.14	peak	
4		399.5700	40.40	-9.55	30.85	46.00	-15.15	peak	
5		781.7500	40.52	-3.52	37.00	46.00	-9.00	peak	
6		937.9200	38.12	-0.53	37.59	46.00	-8.41	peak	

Test Mode: TX B MODE CHANNEL 01 -With POE

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		156.1000	43.64	-13.62	30.02	43.50	-13.48	peak	
2		234.6700	51.10	-14.14	36.96	46.00	-9.04	peak	
3	*	397.6300	48.69	-9.63	39.06	46.00	-6.94	peak	
4		469.4100	44.84	-9.36	35.48	46.00	-10.52	peak	
5		624.6100	37.21	-6.55	30.66	46.00	-15.34	peak	
6		962.1700	32.77	-0.26	32.51	54.00	-21.49	peak	

Test Mode: TX B MODE CHANNEL 01 -With POE

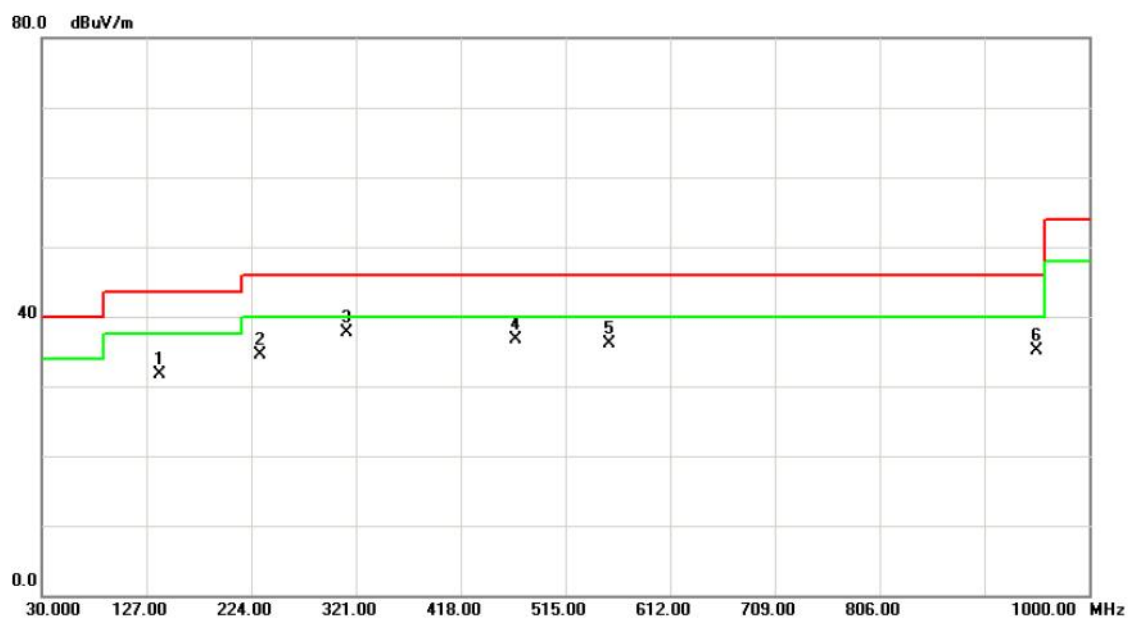
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		178.4100	45.16	-12.96	32.20	43.50	-11.30	peak	
2	*	241.4600	50.22	-14.04	36.18	46.00	-9.82	peak	
3		312.2700	45.69	-11.19	34.50	46.00	-11.50	peak	
4		382.1100	41.79	-10.34	31.45	46.00	-14.55	peak	
5		780.7800	35.34	-3.57	31.77	46.00	-14.23	peak	
6		937.9200	31.87	-0.53	31.34	46.00	-14.66	peak	

Test Mode: TX B MODE CHANNEL 06-With POE

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		139.6100	44.91	-13.15	31.76	43.50	-11.74	peak	
2		232.7300	48.74	-14.18	34.56	46.00	-11.44	peak	
3	*	312.2700	48.86	-11.19	37.67	46.00	-8.33	peak	
4		468.4400	46.07	-9.32	36.75	46.00	-9.25	peak	
5		555.7400	44.01	-7.93	36.08	46.00	-9.92	peak	
6		951.5000	35.26	-0.21	35.05	46.00	-10.95	peak	

Test Mode: TX B MODE CHANNEL 06-With POE

Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		156.1000	47.67	-13.62	34.05	43.50	-9.45	peak	
2		242.4300	50.07	-14.04	36.03	46.00	-9.97	peak	
3	*	312.2700	49.01	-11.19	37.82	46.00	-8.18	peak	
4		399.5700	43.13	-9.55	33.58	46.00	-12.42	peak	
5		781.7500	36.75	-3.52	33.23	46.00	-12.77	peak	
6		937.9200	32.80	-0.53	32.27	46.00	-13.73	peak	

Test Mode: TX B MODE CHANNEL 11-With POE

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	137.6700	46.79	-13.14	33.65	43.50	-9.85	peak	
2		233.7000	46.38	-14.16	32.22	46.00	-13.78	peak	
3		312.2700	42.28	-11.19	31.09	46.00	-14.91	peak	
4		469.4100	44.37	-9.36	35.01	46.00	-10.99	peak	
5		555.7400	39.88	-7.93	31.95	46.00	-14.05	peak	
6		951.5000	32.45	-0.21	32.24	46.00	-13.76	peak	

Test Mode: TX B MODE CHANNEL 11-With POE

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		140.5800	46.71	-13.17	33.54	43.50	-9.96	peak	
2	*	244.3700	50.45	-14.03	36.42	46.00	-9.58	peak	
3		312.2700	47.05	-11.19	35.86	46.00	-10.14	peak	
4		461.6500	44.56	-9.07	35.49	46.00	-10.51	peak	
5		781.7500	34.52	-3.52	31.00	46.00	-15.00	peak	
6		937.9200	35.62	-0.53	35.09	46.00	-10.91	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	25.66	31.88	57.54	74.00	-16.46	peak	
2		2390.000	15.41	31.88	47.29	54.00	-6.71	AVG	
3	*	2412.800	73.46	31.91	105.37	54.00	51.37	AVG	NO Limit
4	X	2413.000	75.56	31.91	107.47	74.00	33.47	peak	NO Limit

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

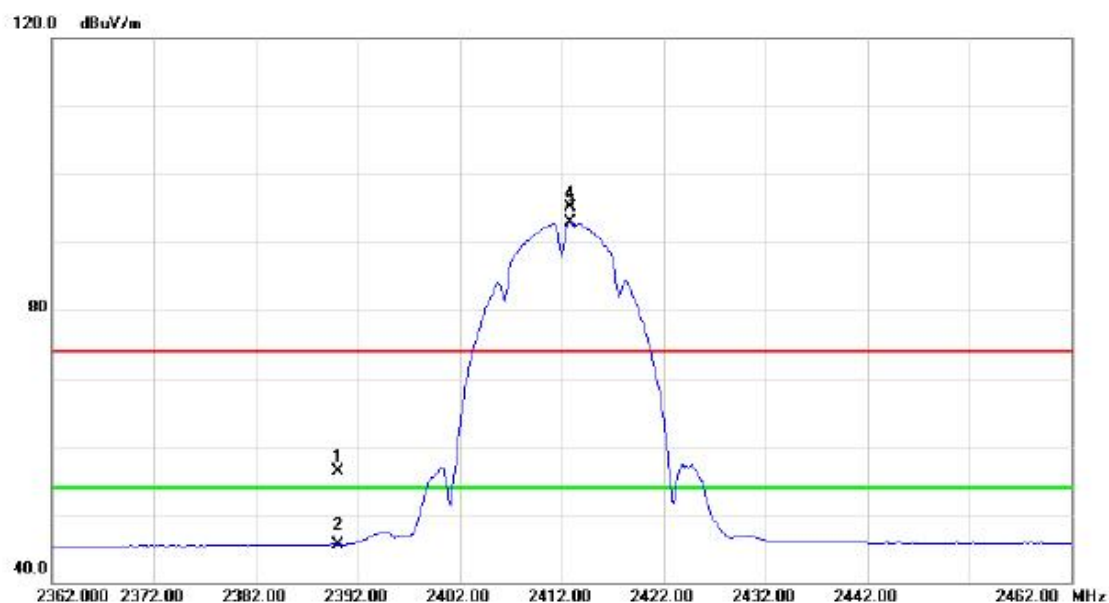
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4823.980	50.50	3.62	54.12	74.00	-19.88	peak	
2	*	4824.010	48.19	3.62	51.81	54.00	-2.19	AVG	

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

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	24.34	31.88	56.22	74.00	-17.78	peak	
2		2390.000	13.69	31.88	45.57	54.00	-8.43	AVG	
3	*	2412.800	60.98	31.91	92.89	54.00	38.89	AVG	NO Limit
4	X	2412.900	63.19	31.91	95.10	74.00	21.10	peak	NO Limit

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

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4823.975	46.92	3.62	50.54	74.00	-23.46	peak	
2	*	4824.040	42.98	3.62	46.60	54.00	-7.40	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2436.100	75.79	31.94	107.73	74.00	33.73	peak	NO Limit
2	*	2436.200	73.75	31.94	105.69	54.00	51.69	AVG	NO Limit

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

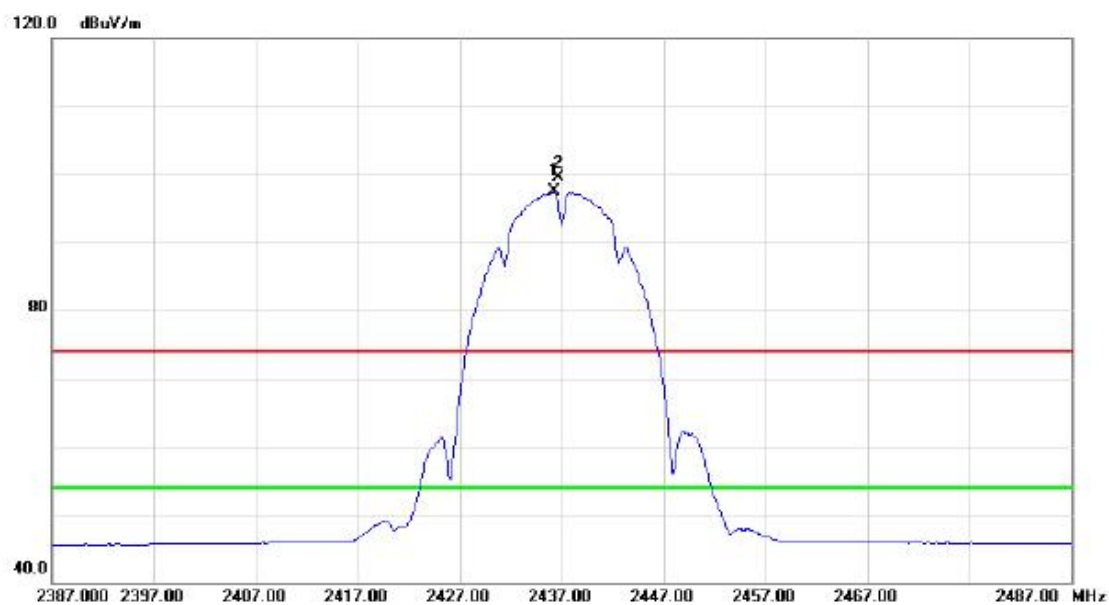
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4874.005	48.58	3.72	52.30	74.00	-21.70	peak	
2	*	4874.005	46.48	3.72	50.20	54.00	-3.80	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2436.200	65.47	31.94	97.41	54.00	43.41	AVG	NO Limit
2	X	2436.600	67.48	31.94	99.42	74.00	25.42	peak	NO Limit

Orthogonal Axis :	X
Test Mode :	TX B MODE 2437MHz

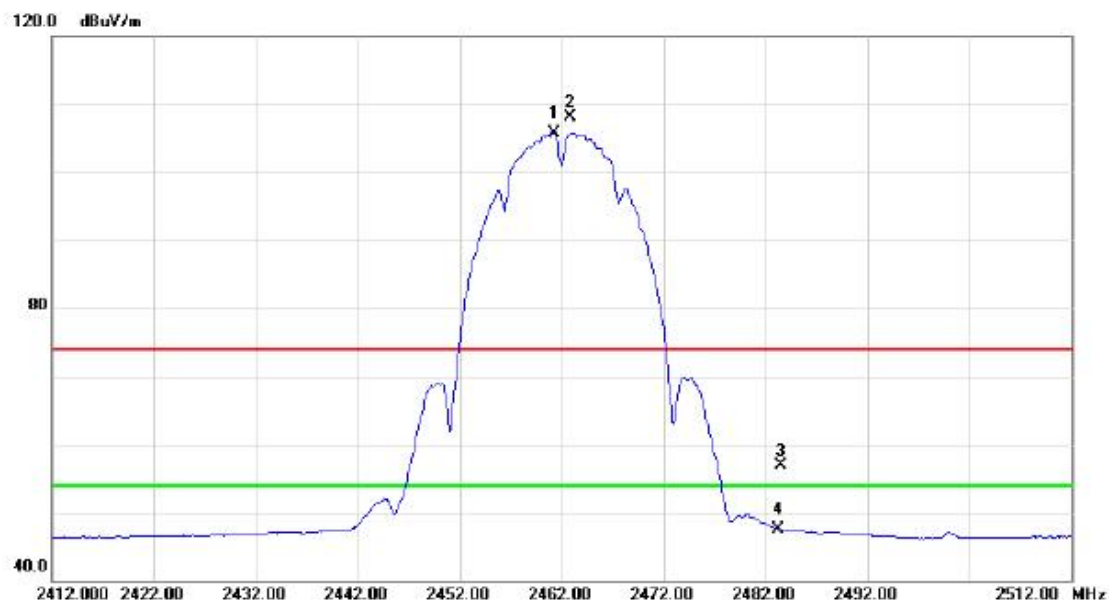
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4873.985	43.88	3.72	47.60	74.00	-26.40	peak	
2	*	4874.010	40.16	3.72	43.88	54.00	-10.12	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2461.200	73.74	31.98	105.72	54.00	51.72	AVG	NO Limit
2	X	2462.900	76.21	31.98	108.19	74.00	34.19	peak	NO Limit
3		2483.500	24.82	32.01	56.83	74.00	-17.17	peak	
4		2483.500	15.45	32.01	47.46	54.00	-6.54	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

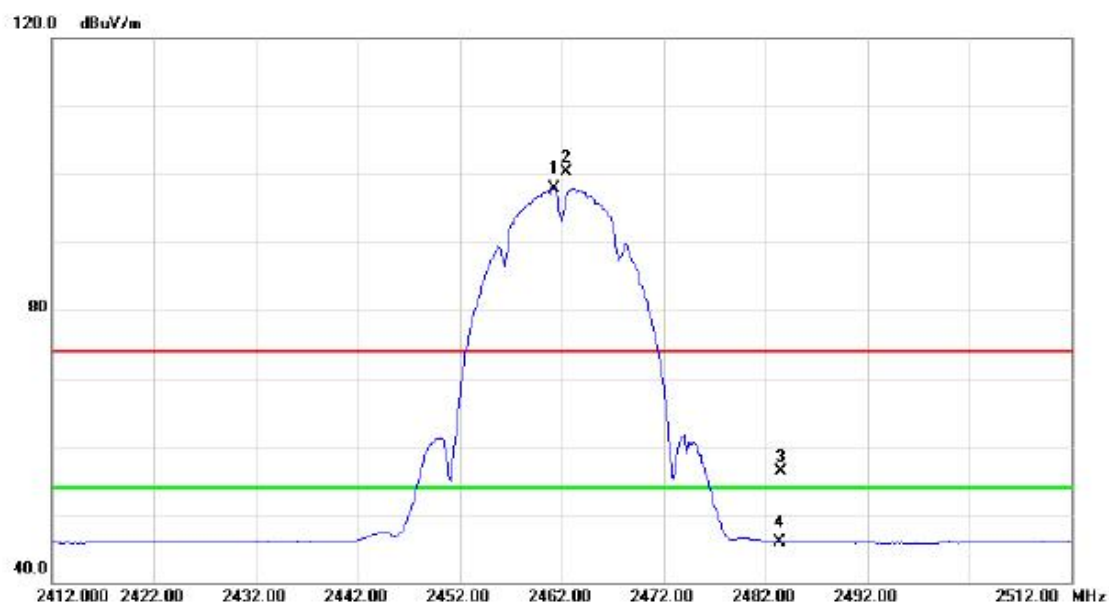
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4924.020	50.89	3.80	54.69	74.00	-19.31	peak	
2	*	4924.020	49.13	3.80	52.93	54.00	-1.07	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2461.200	65.89	31.98	97.87	54.00	43.87	AVG	NO Limit
2	X	2462.400	68.25	31.98	100.23	74.00	26.23	peak	NO Limit
3		2483.500	24.20	32.01	56.21	74.00	-17.79	peak	
4		2483.500	13.87	32.01	45.88	54.00	-8.12	AVG	

Orthogonal Axis :	X
Test Mode :	TX B MODE 2462MHz

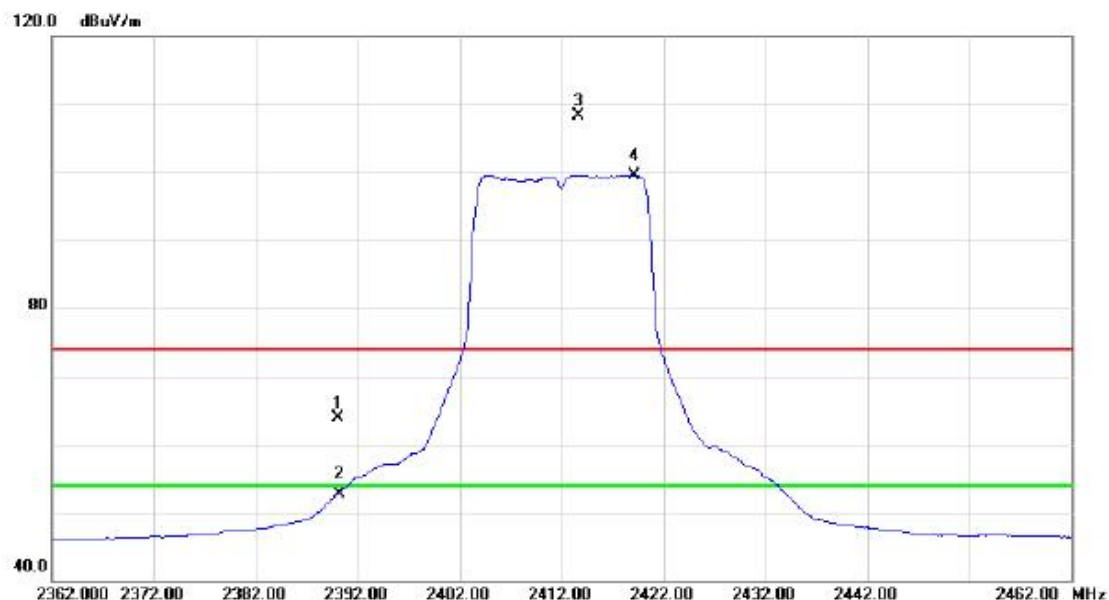
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4923.920	45.48	3.80	49.28	74.00	-24.72	peak	
2	*	4924.015	41.88	3.80	45.68	54.00	-8.32	AVG	

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

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	32.04	31.88	63.92	74.00	-10.08	peak	
2		2390.000	20.89	31.88	52.77	54.00	-1.23	AVG	
3	X	2413.700	76.43	31.91	108.34	74.00	34.34	peak	NO Limit
4	*	2419.100	67.64	31.92	99.56	54.00	45.56	AVG	NO Limit

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

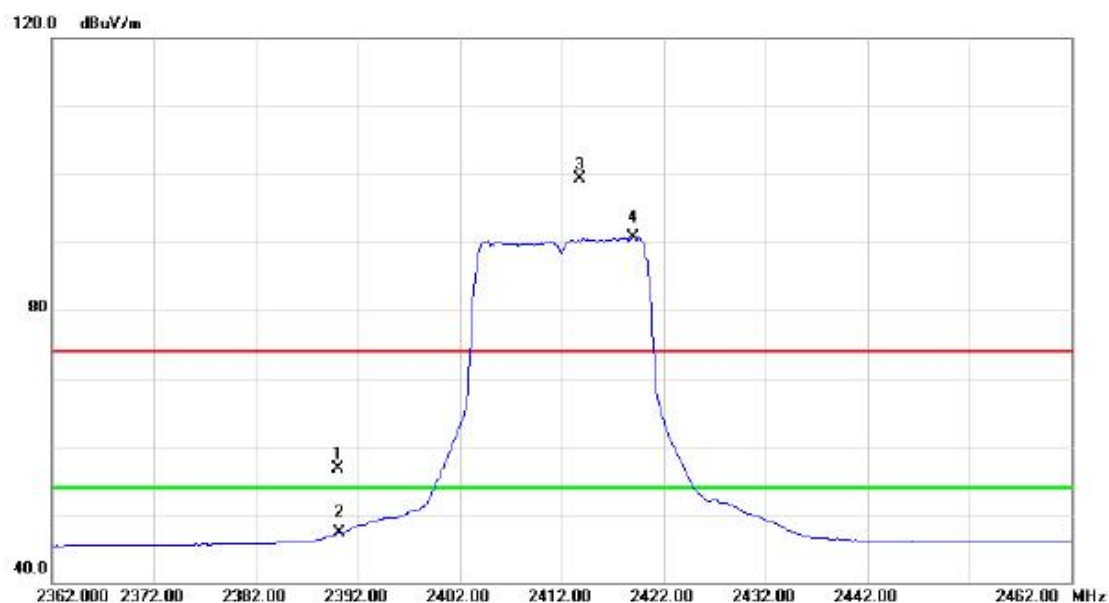
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4823.965	44.10	3.62	47.72	74.00	-26.28	peak	
2	*	4824.025	36.36	3.62	39.98	54.00	-14.02	AVG	

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

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	24.81	31.88	56.69	74.00	-17.31	peak	
2		2390.000	15.34	31.88	47.22	54.00	-6.78	AVG	
3	X	2413.800	67.32	31.91	99.23	74.00	25.23	peak	NO Limit
4	*	2419.000	58.77	31.92	90.69	54.00	36.69	AVG	NO Limit

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

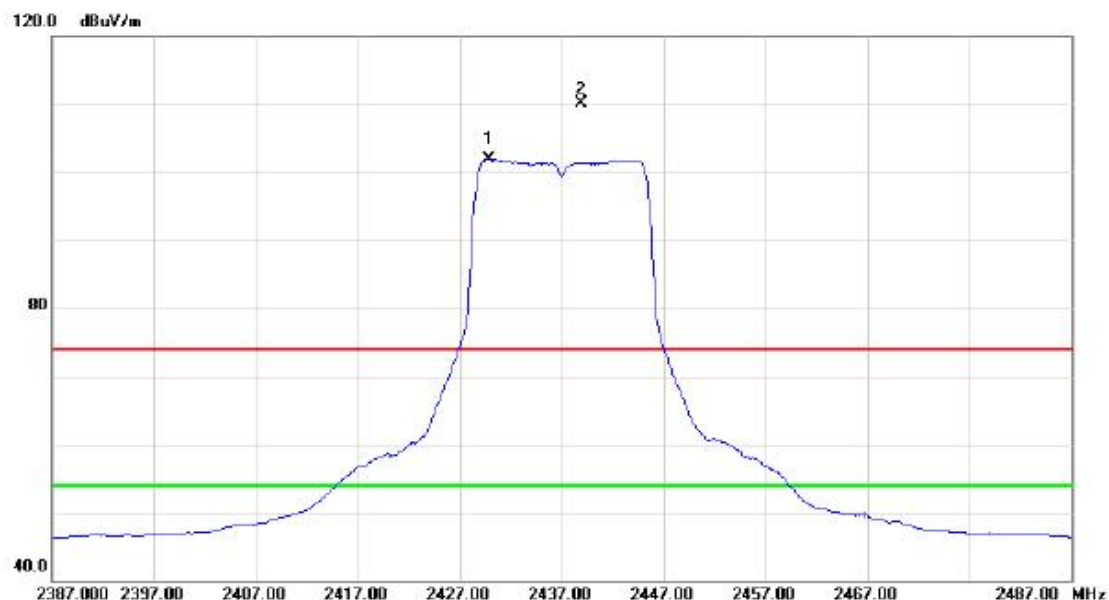
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4824.005	30.65	3.62	34.27	54.00	-19.73	AVG	
2		4824.155	42.66	3.62	46.28	74.00	-27.72	peak	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2429.900	70.06	31.93	101.99	54.00	47.99	AVG	NO Limit
2	X	2438.900	78.14	31.94	110.08	74.00	36.08	peak	NO Limit

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

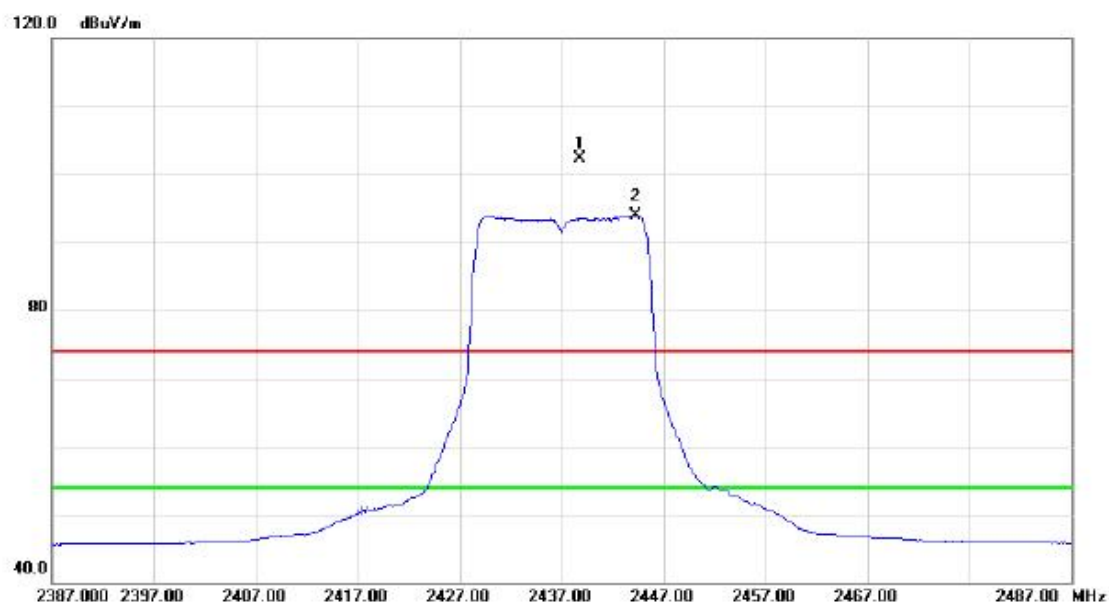
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4873.975	44.98	3.72	48.70	74.00	-25.30	peak	
2	*	4874.000	36.76	3.72	40.48	54.00	-13.52	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2438.800	70.28	31.94	102.22	74.00	28.22	peak	NO Limit
2	*	2444.300	62.01	31.96	93.97	54.00	39.97	AVG	NO Limit

Orthogonal Axis :	X
Test Mode :	TX G MODE 2437MHz

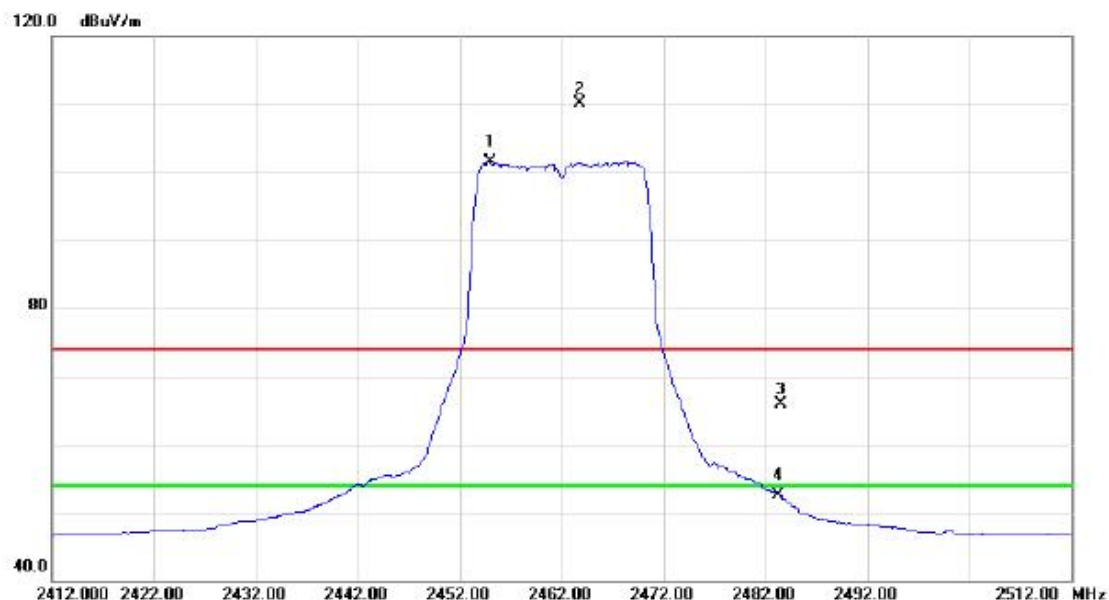
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4873.980	41.52	3.72	45.24	74.00	-28.76	peak	
2	*	4874.005	30.23	3.72	33.95	54.00	-20.05	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2455.000	69.50	31.96	101.46	54.00	47.46	AVG	NO Limit
2	X	2463.800	78.08	31.98	110.06	74.00	36.06	peak	NO Limit
3		2483.500	33.94	32.01	65.95	74.00	-8.05	peak	
4		2483.500	20.51	32.01	52.52	54.00	-1.48	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

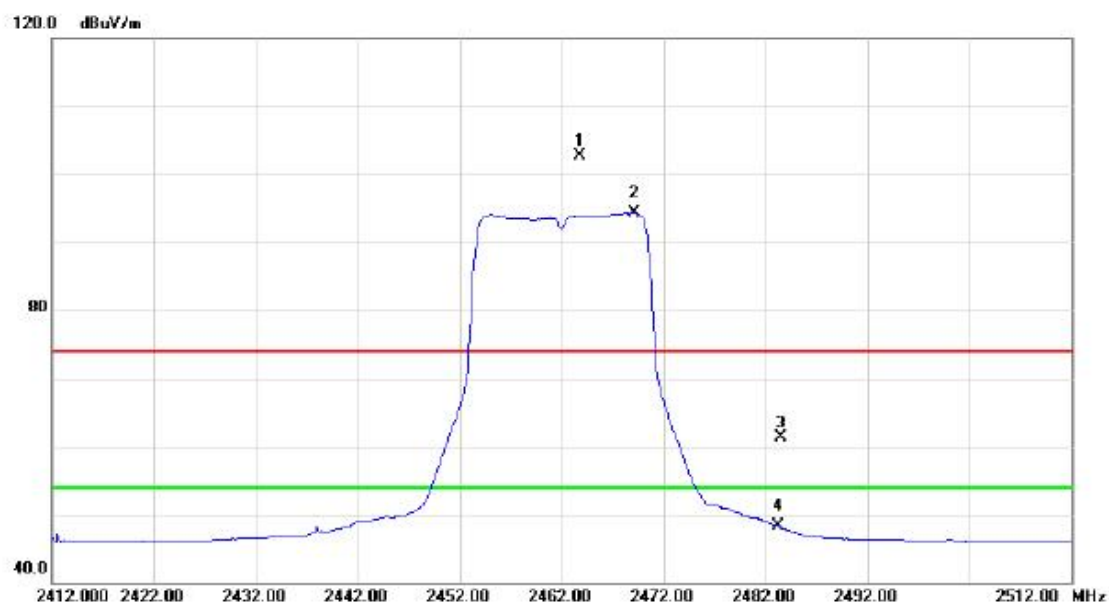
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4923.995	46.46	3.80	50.26	74.00	-23.74	peak	
2	*	4924.000	37.96	3.80	41.76	54.00	-12.24	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2463.800	70.74	31.98	102.72	74.00	28.72	peak	NO Limit
2	*	2469.100	62.29	31.99	94.28	54.00	40.28	AVG	NO Limit
3		2483.500	29.28	32.01	61.29	74.00	-12.71	peak	
4		2483.500	16.21	32.01	48.22	54.00	-5.78	AVG	

Orthogonal Axis :	X
Test Mode :	TX G MODE 2462MHz

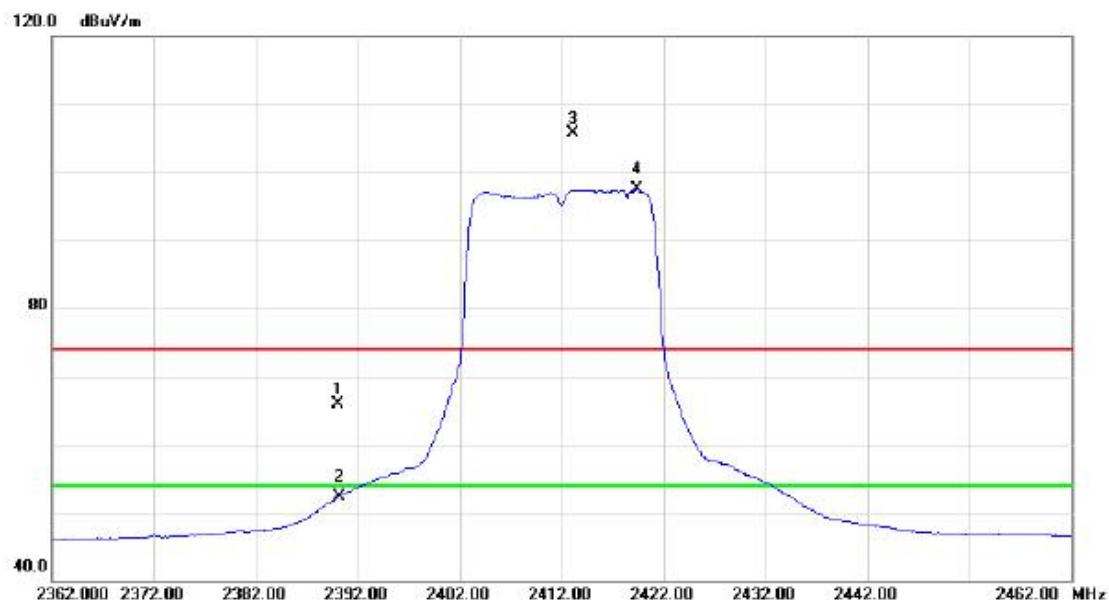
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4923.995	41.34	3.80	45.14	74.00	-28.86	peak	
2	*	4923.995	29.82	3.80	33.62	54.00	-20.38	AVG	

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

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	34.10	31.88	65.98	74.00	-8.02	peak	
2		2390.000	20.38	31.88	52.26	54.00	-1.74	AVG	
3	X	2413.100	73.88	31.91	105.79	74.00	31.79	peak	NO Limit
4	*	2419.400	65.57	31.92	97.49	54.00	43.49	AVG	NO Limit

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

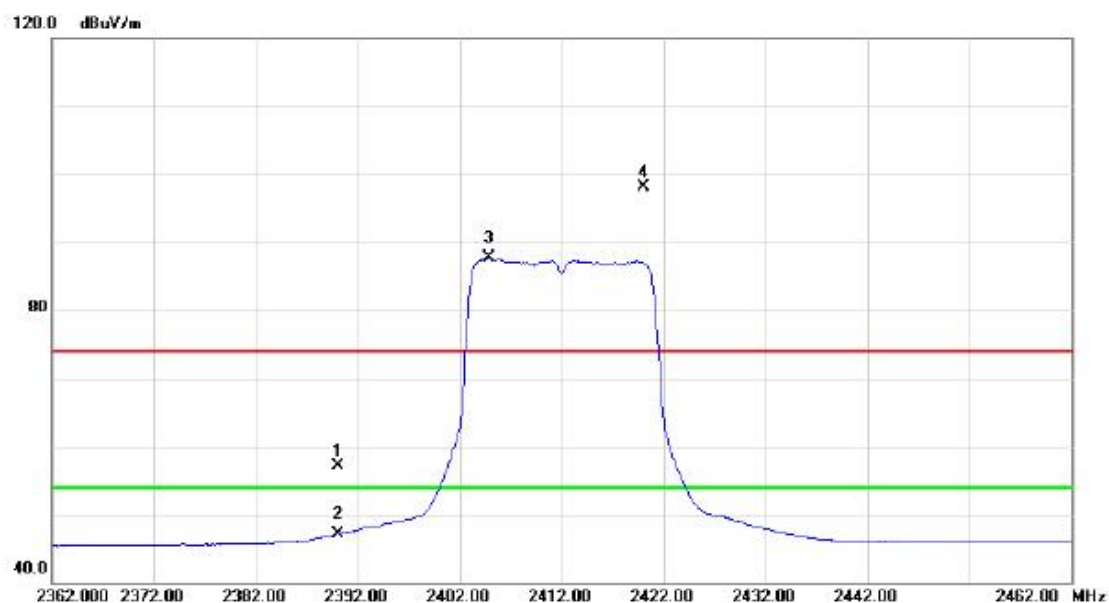
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		4824.000	53.18	3.62	56.80	74.00	-17.20	peak	
2	*	4824.040	42.84	3.62	46.46	54.00	-7.54	AVG	

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

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	25.27	31.88	57.15	74.00	-16.85	peak	
2		2390.000	15.32	31.88	47.20	54.00	-6.80	AVG	
3	*	2404.900	55.86	31.89	87.75	54.00	33.75	AVG	NO Limit
4	X	2420.000	66.14	31.92	98.06	74.00	24.06	peak	NO Limit

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

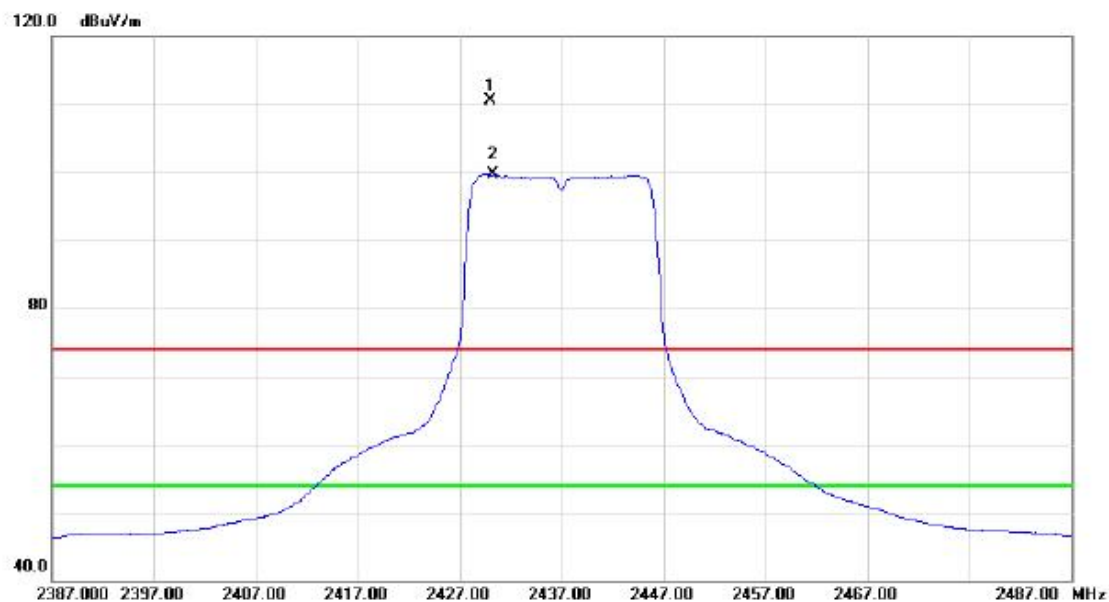
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4824.000	34.50	3.62	38.12	54.00	-15.88	AVG	
2		4824.015	44.83	3.62	48.45	74.00	-25.55	peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2430.000	78.53	31.93	110.46	74.00	36.46	peak	NO Limit
2	*	2430.300	67.77	31.93	99.70	54.00	45.70	AVG	NO Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

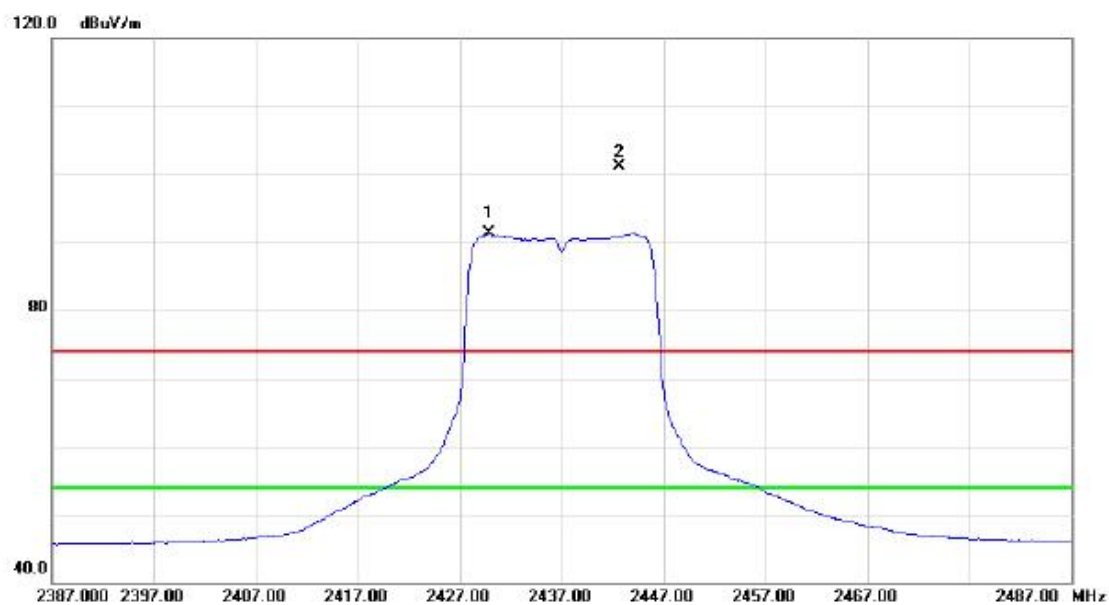
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4874.000	45.12	3.72	48.84	54.00	-5.16	AVG	
2		4874.035	56.02	3.72	59.74	74.00	-14.26	peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	2429.900	59.34	31.93	91.27	54.00	37.27	AVG	NO Limit
2	X	2442.600	69.21	31.95	101.16	74.00	27.16	peak	NO Limit

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2437MHz

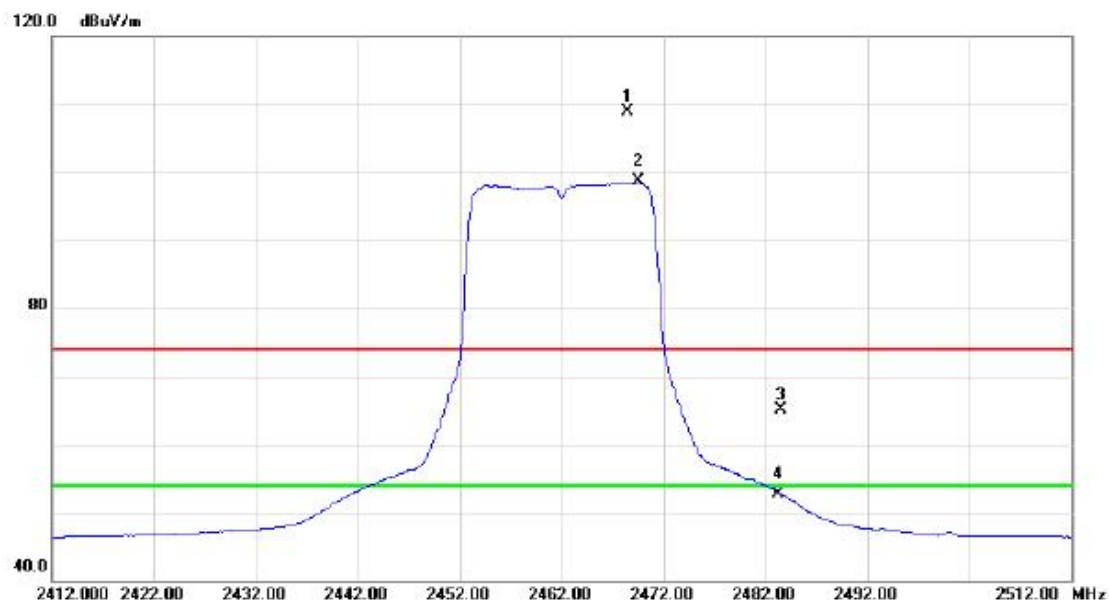
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4873.950	37.43	3.72	41.15	54.00	-12.85	AVG	
2		4874.050	47.75	3.72	51.47	74.00	-22.53	peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2468.400	76.91	31.98	108.89	74.00	34.89	peak	NO Limit
2	*	2469.500	66.64	31.99	98.63	54.00	44.63	AVG	NO Limit
3		2483.500	33.08	32.01	65.09	74.00	-8.91	peak	
4		2483.500	20.79	32.01	52.80	54.00	-1.20	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

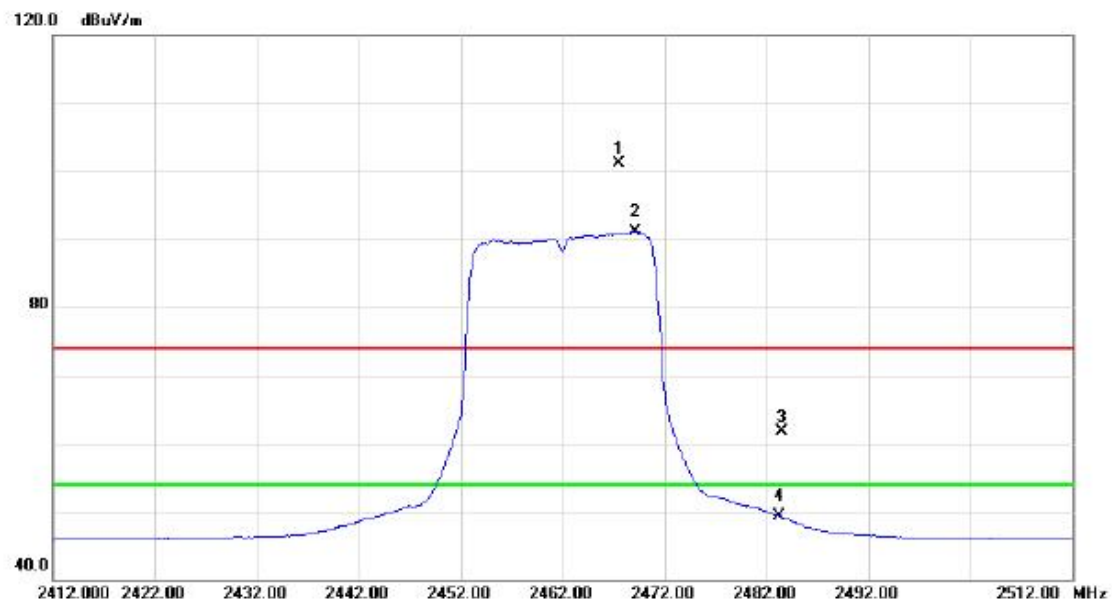
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4923.945	41.23	3.80	45.03	54.00	-8.97	AVG	
2		4923.985	51.42	3.80	55.22	74.00	-18.78	peak	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2467.500	69.12	31.98	101.10	74.00	27.10	peak	NO Limit
2	*	2469.100	59.17	31.99	91.16	54.00	37.16	AVG	NO Limit
3		2483.500	29.63	32.01	61.64	74.00	-12.36	peak	
4		2483.500	17.21	32.01	49.22	54.00	-4.78	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-20M MODE 2462MHz

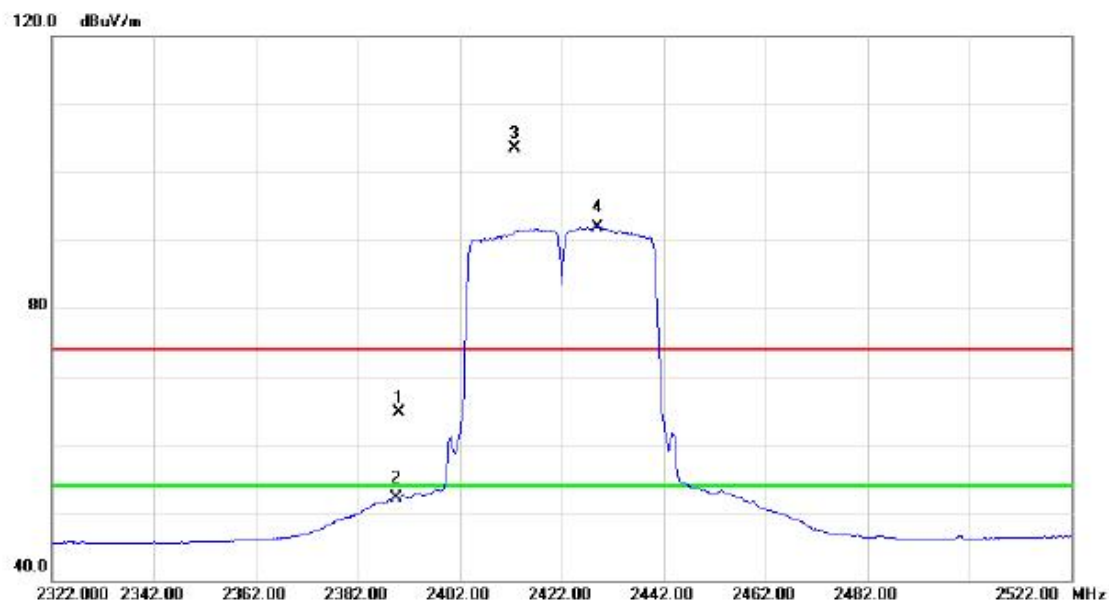
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4923.860	34.48	3.80	38.28	54.00	-15.72	AVG	
2		4924.015	44.57	3.80	48.37	74.00	-25.63	peak	

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

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	32.75	31.88	64.63	74.00	-9.37	peak	
2		2390.000	20.15	31.88	52.03	54.00	-1.97	AVG	
3	X	2412.800	71.62	31.91	103.53	74.00	29.53	peak	NO Limit
4	*	2429.000	60.05	31.93	91.98	54.00	37.98	AVG	NO Limit

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

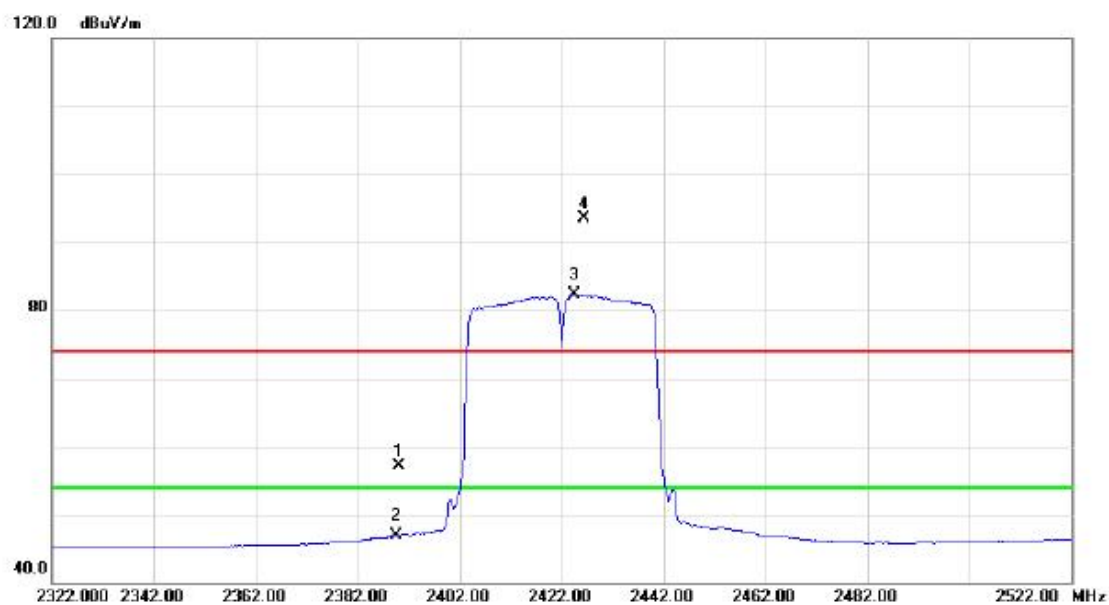
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4844.015	37.75	3.66	41.41	54.00	-12.59	AVG	
2		4844.140	47.61	3.66	51.27	74.00	-22.73	peak	

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

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	25.15	31.88	57.03	74.00	-16.97	peak	
2		2390.000	15.01	31.88	46.89	54.00	-7.11	AVG	
3	*	2424.600	50.45	31.93	82.38	54.00	28.38	AVG	NO Limit
4	X	2426.400	61.60	31.93	93.53	74.00	19.53	peak	NO Limit

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

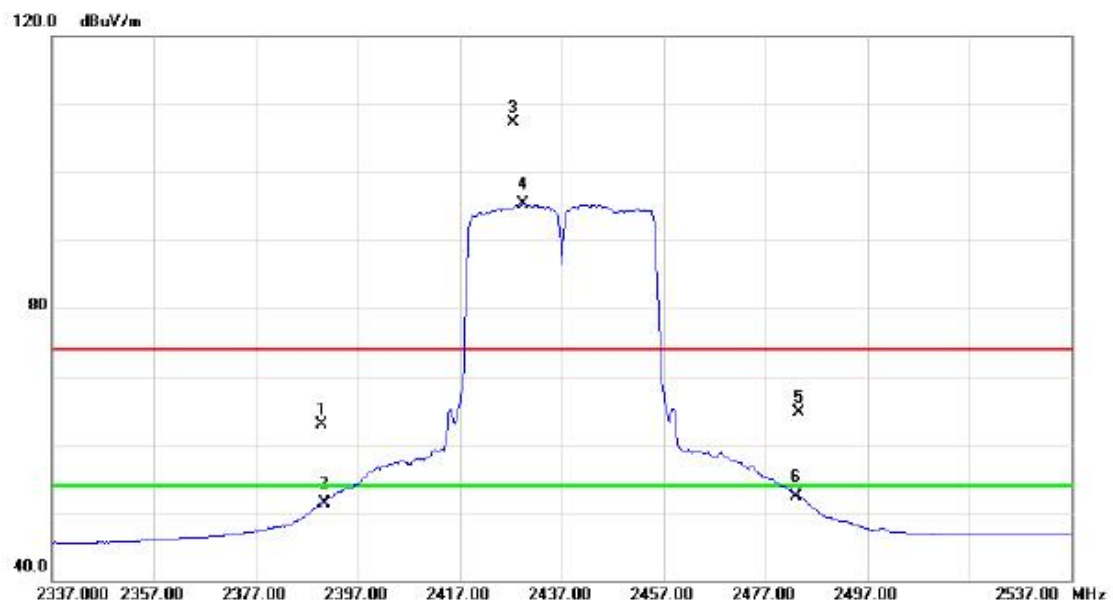
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4843.990	29.94	3.66	33.60	54.00	-20.40	AVG	
2		4844.055	42.37	3.66	46.03	74.00	-27.97	peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	31.03	31.88	62.91	74.00	-11.09	peak	
2		2390.000	19.48	31.88	51.36	54.00	-2.64	AVG	
3	X	2427.600	75.30	31.93	107.23	74.00	33.23	peak	NO Limit
4	*	2429.400	63.37	31.93	95.30	54.00	41.30	AVG	NO Limit
5		2483.500	32.76	32.01	64.77	74.00	-9.23	peak	
6		2483.500	20.39	32.01	52.40	54.00	-1.60	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

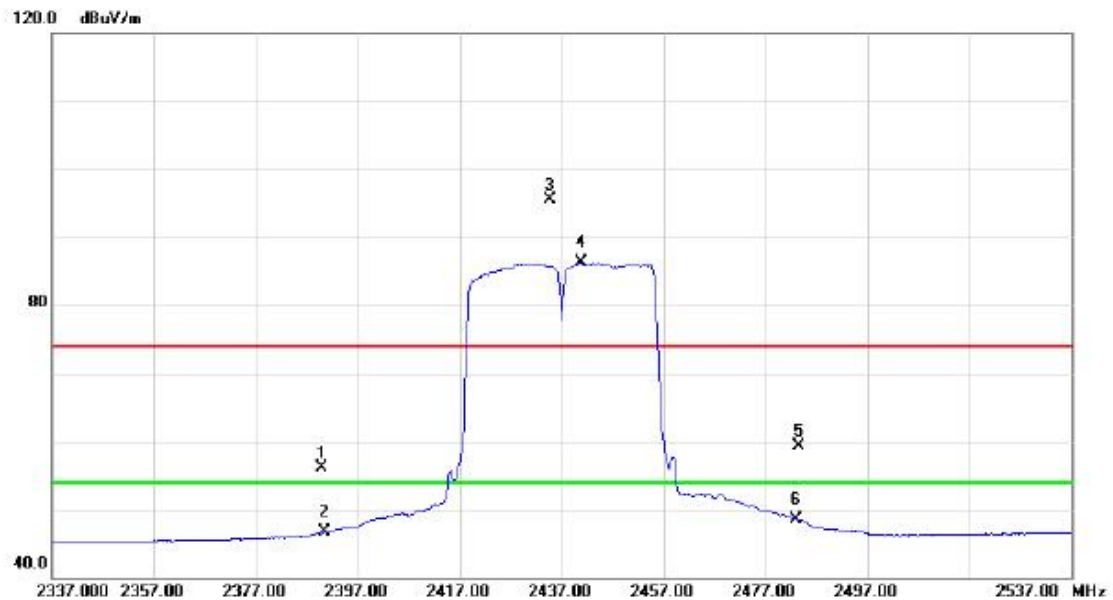
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4874.010	39.39	3.72	43.11	54.00	-10.89	AVG	
2		4874.120	53.77	3.72	57.49	74.00	-16.51	peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1		2390.000	24.29	31.88	56.17	74.00	-17.83	peak	
2		2390.000	14.74	31.88	46.62	54.00	-7.38	AVG	
3	X	2434.800	63.63	31.94	95.57	74.00	21.57	peak	NO Limit
4	*	2440.800	54.34	31.95	86.29	54.00	32.29	AVG	NO Limit
5		2483.500	27.33	32.01	59.34	74.00	-14.66	peak	
6		2483.500	16.50	32.01	48.51	54.00	-5.49	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2437MHz

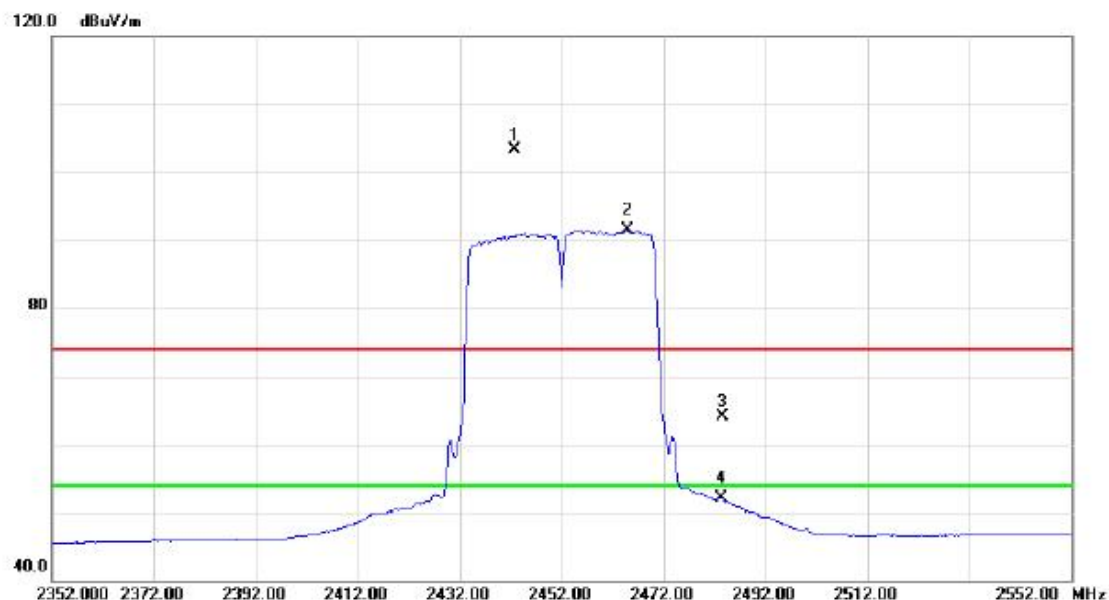
Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4874.010	32.20	3.72	35.92	54.00	-18.08	AVG	
2		4874.085	46.20	3.72	49.92	74.00	-24.08	peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz

Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2442.800	71.38	31.95	103.33	74.00	29.33	peak	NO Limit
2	*	2464.800	59.49	31.98	91.47	54.00	37.47	AVG	NO Limit
3		2483.500	32.15	32.01	64.16	74.00	-9.84	peak	
4		2483.500	20.02	32.01	52.03	54.00	-1.97	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz

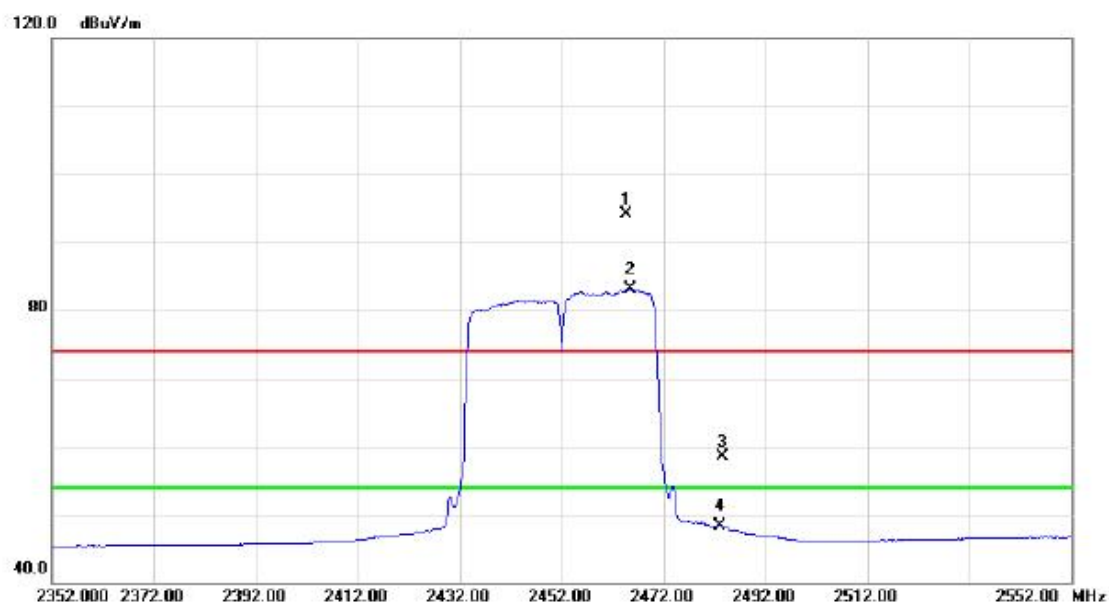
Vertical



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4904.030	38.08	3.77	41.85	54.00	-12.15	AVG	
2		4904.095	47.39	3.77	51.16	74.00	-22.84	peak	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz

Horizontal



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	X	2464.600	62.12	31.98	94.10	74.00	20.10	peak	NO Limit
2	*	2465.400	51.07	31.98	83.05	54.00	29.05	AVG	NO Limit
3		2483.500	26.45	32.01	58.46	74.00	-15.54	peak	
4		2483.500	16.28	32.01	48.29	54.00	-5.71	AVG	

Orthogonal Axis :	X
Test Mode :	TX N-40M MODE 2452MHz

Horizontal



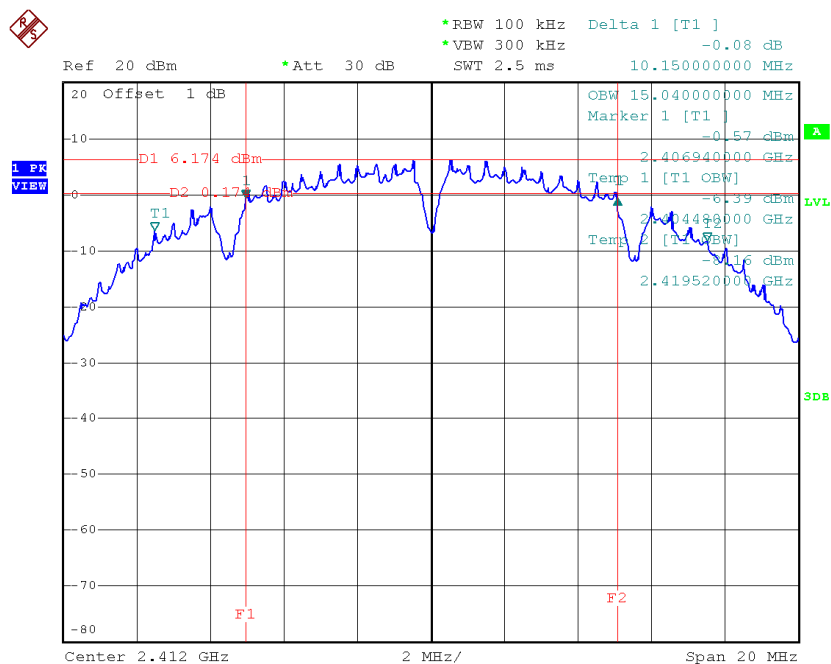
No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Over dB	Detector	Comment
1	*	4904.010	31.04	3.77	34.81	54.00	-19.19	AVG	
2		4904.015	40.88	3.77	44.65	74.00	-29.35	peak	

ATTACHMENT E - BANDWIDTH

Test Mode : TX B Mode_CH01/06/11

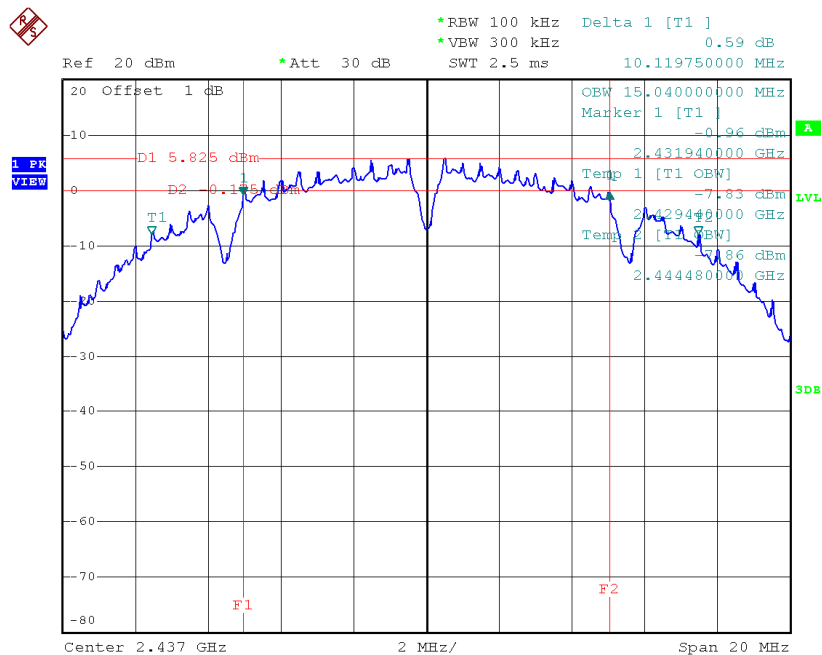
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.15	15.04	500	Complies
2437	10.12	15.04	500	Complies
2462	10.12	15.04	500	Complies

TX CH01



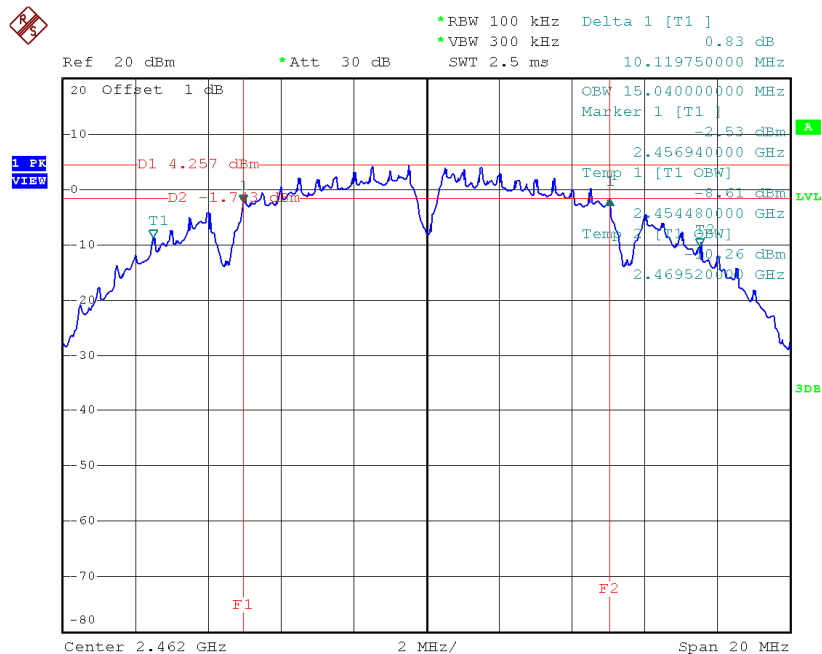
Date: 22.SEP.2014 14:57:24

TX CH06



Date: 22.SEP.2014 14:59:08

TX CH11

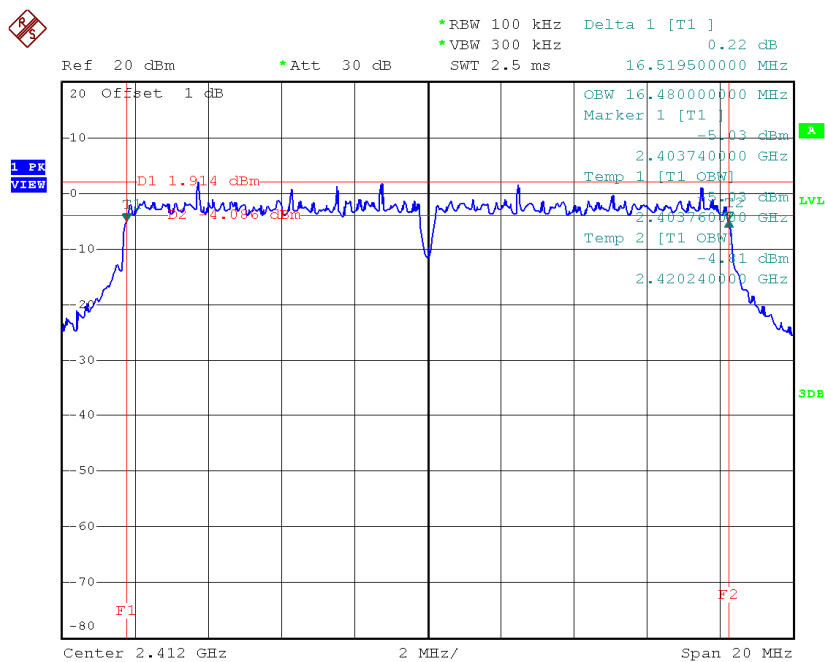


Date: 22.SEP.2014 15:02:01

Test Mode: TX G Mode_CH01/06/11

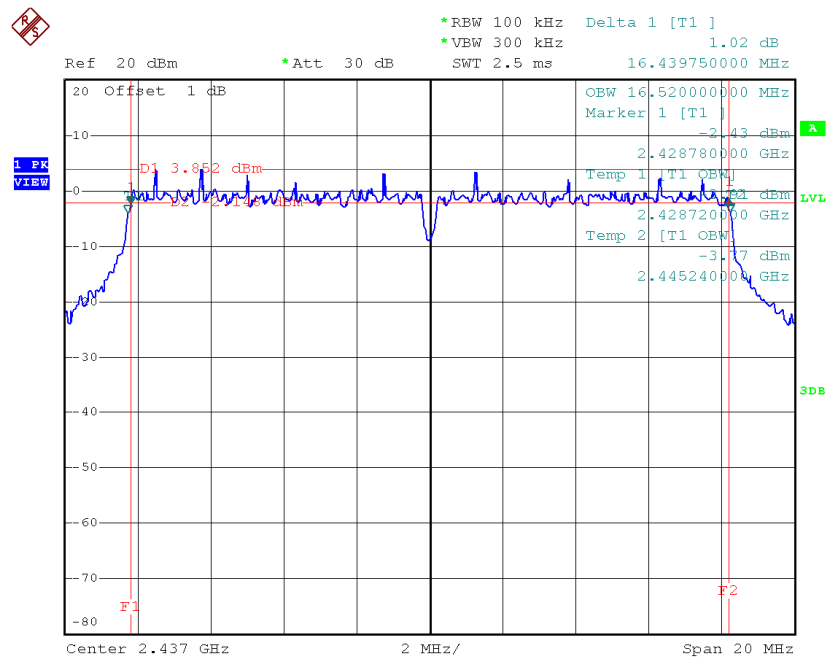
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.52	16.48	500	Complies
2437	16.44	16.52	500	Complies
2462	16.44	16.48	500	Complies

TX CH01



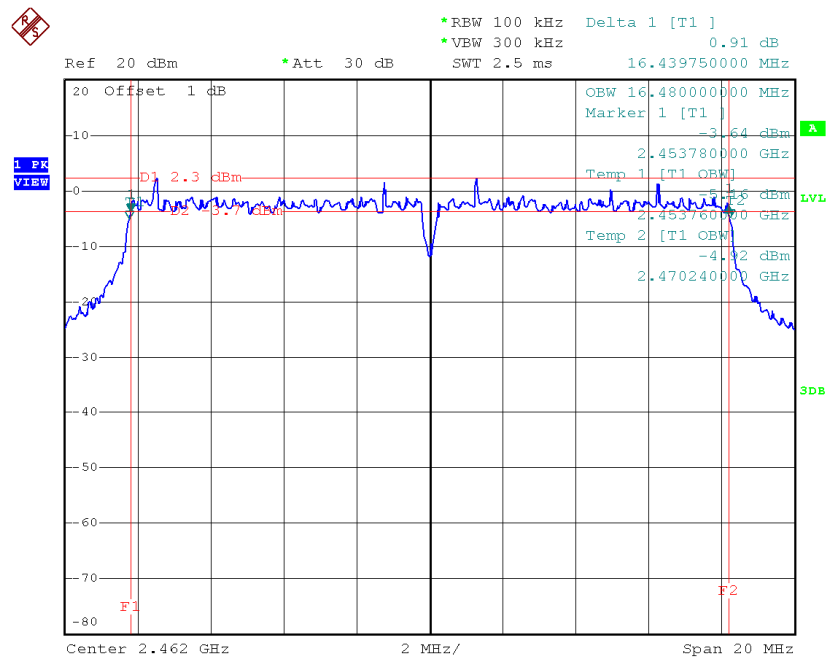
Date: 22.SEP.2014 15:05:34

TX CH06



Date: 22.SEP.2014 15:07:32

TX CH11

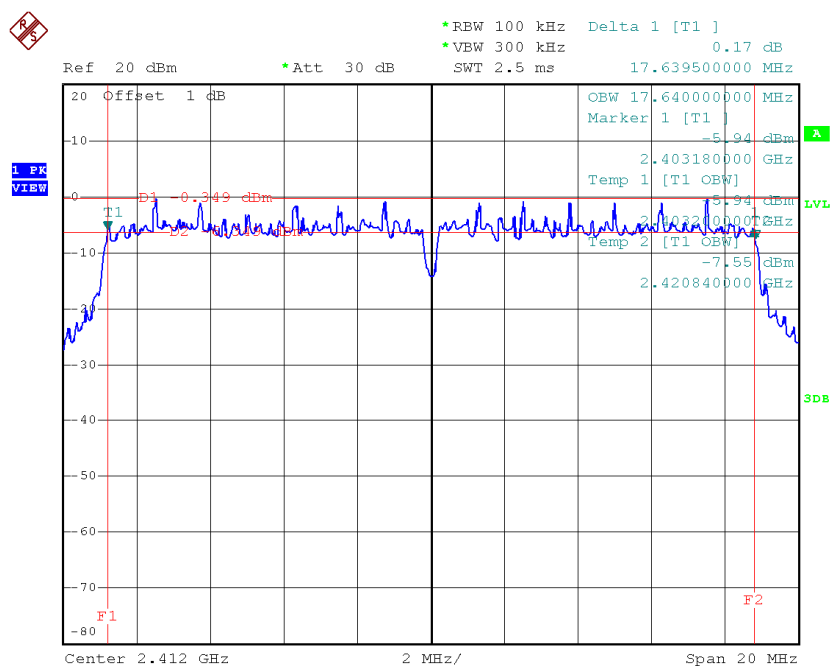


Date: 22.SEP.2014 15:08:42

Test Mode : TX N-20MHz Mode_CH01/06/11

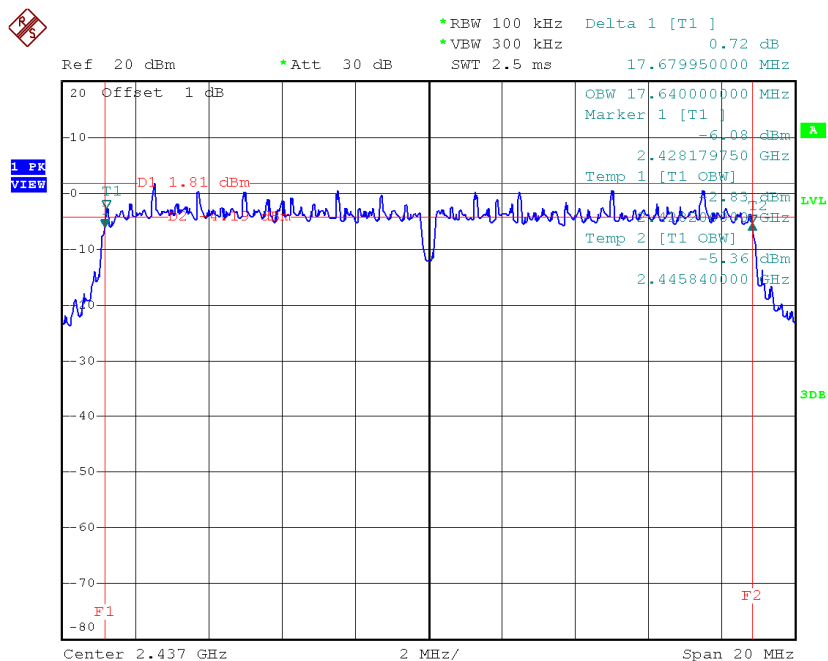
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.64	17.64	500	Complies
2437	17.68	17.64	500	Complies
2462	17.72	17.68	500	Complies

TX CH01



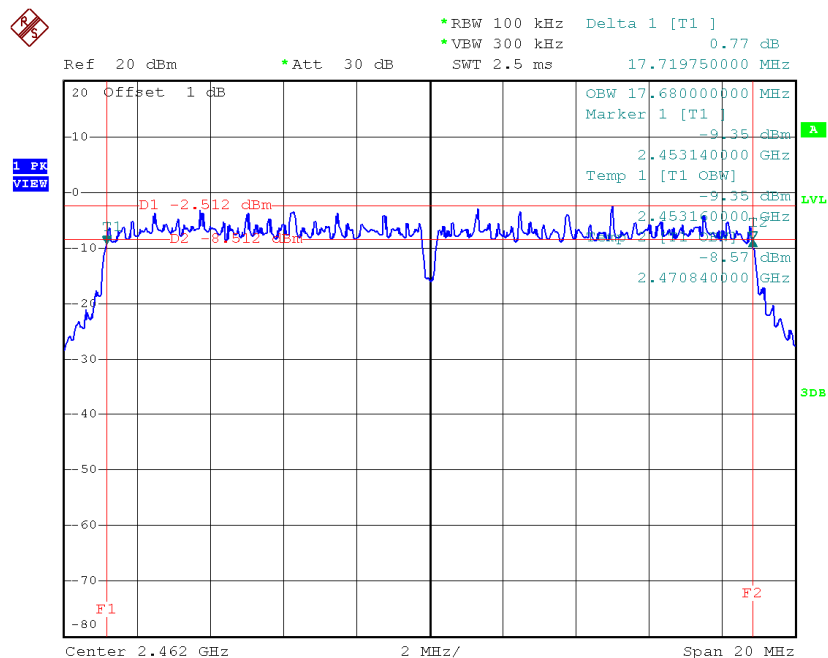
Date: 22.SEP.2014 15:10:33

TX CH06



Date: 22.SEP.2014 15:12:51

TX CH11

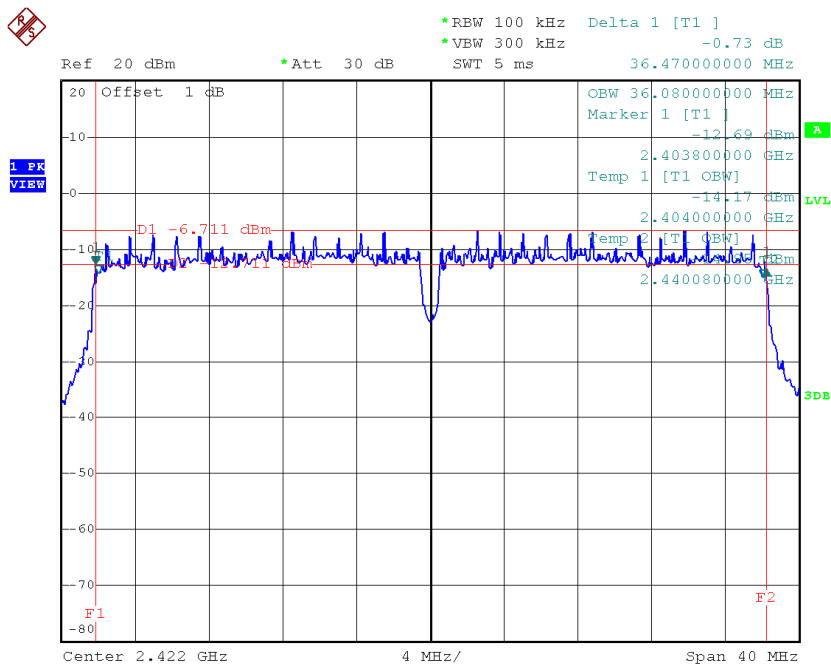


Date: 22.SEP.2014 15:14:07

Test Mode : TX N-40MHz Mode_CH03/06/09

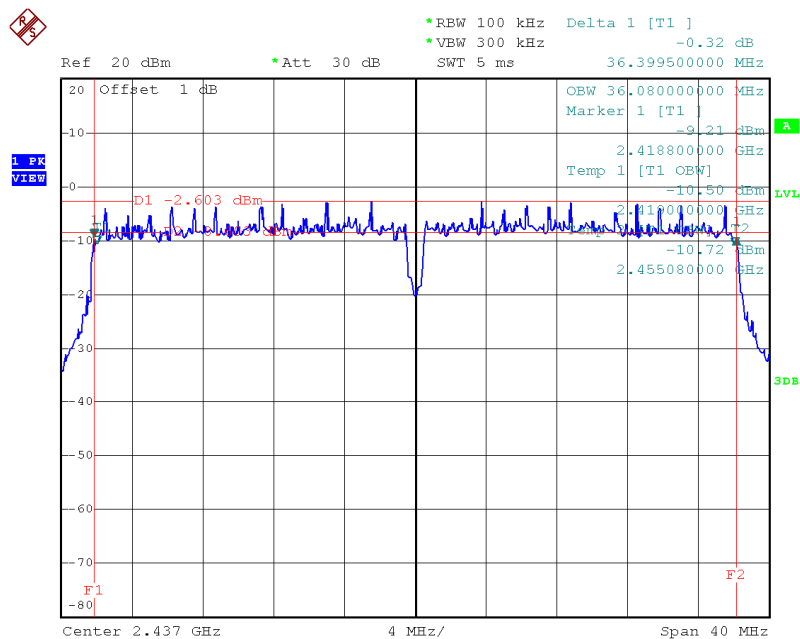
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.47	36.08	500	Complies
2437	36.40	36.08	500	Complies
2452	36.15	36.08	500	Complies

TX CH03



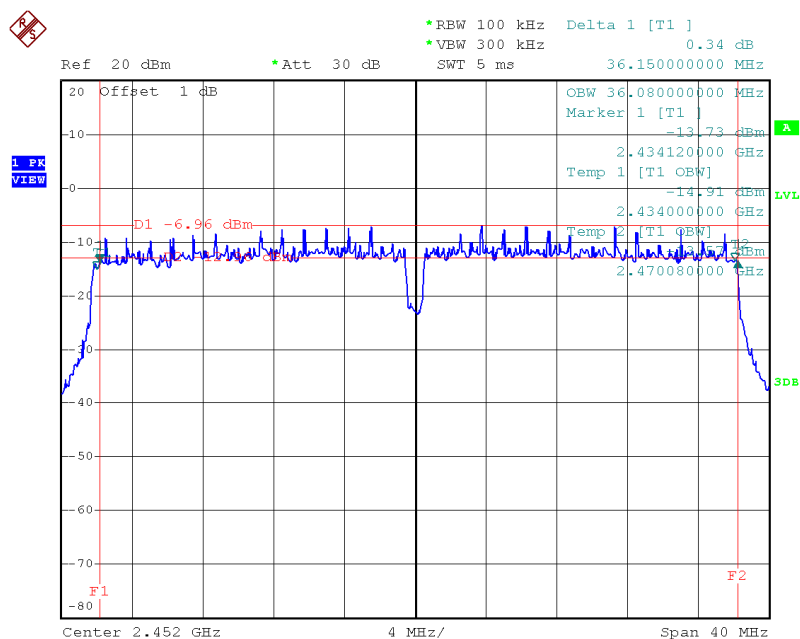
Date: 22.SEP.2014 15:20:14

TX CH06



Date: 22.SEP.2014 15:22:11

TX CH09



Date: 22.SEP.2014 15:23:49

ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Test Mode :TX B Mode_CH01/06/11

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	18.40	0.07	30.00	1.00	Complies
2437	17.80	0.06	30.00	1.00	Complies
2462	17.96	0.06	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	25.01	0.32	30.00	1.00	Complies
2437	24.76	0.30	30.00	1.00	Complies
2462	24.95	0.31	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.16	0.08	30.00	1.00	Complies
2437	19.26	0.08	30.00	1.00	Complies
2462	19.76	0.09	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	19.21	0.08	30.00	1.00	Complies
2437	19.27	0.08	30.00	1.00	Complies
2462	19.68	0.09	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.20	0.17	30.00	1.00	Complies
2437	22.28	0.17	30.00	1.00	Complies
2462	22.73	0.19	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 1

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	19.74	0.09	30.00	1.00	Complies
2437	19.58	0.09	30.00	1.00	Complies
2452	19.48	0.09	30.00	1.00	Complies

Test Mode :TX N40 Mode_CH03/06/09_ANT 2

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	19.65	0.09	30.00	1.00	Complies
2437	19.46	0.09	30.00	1.00	Complies
2452	19.38	0.09	30.00	1.00	Complies

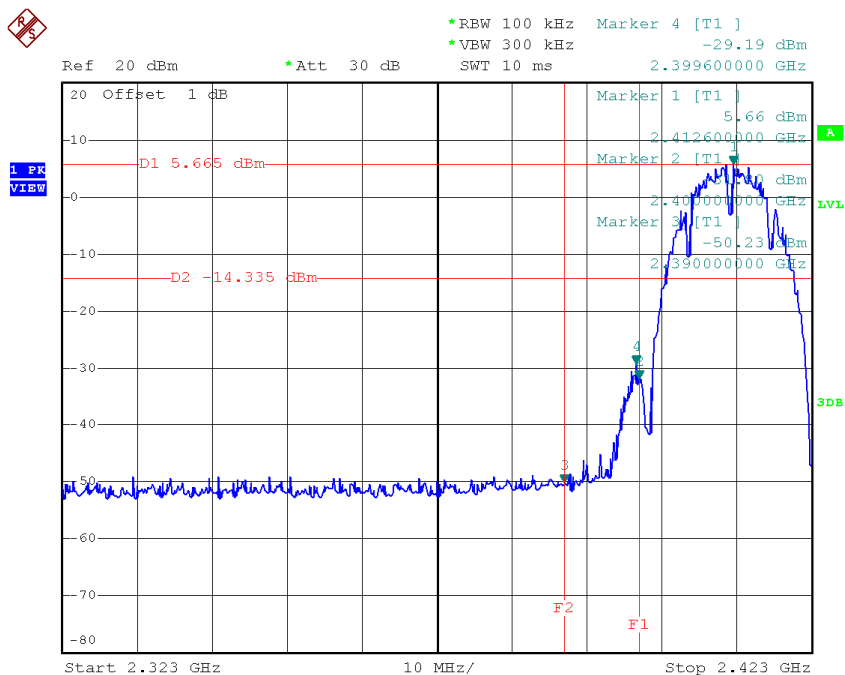
Test Mode :TX N40 Mode_CH03/06/09_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2422	22.71	0.19	30.00	1.00	Complies
2437	22.53	0.18	30.00	1.00	Complies
2452	22.44	0.18	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

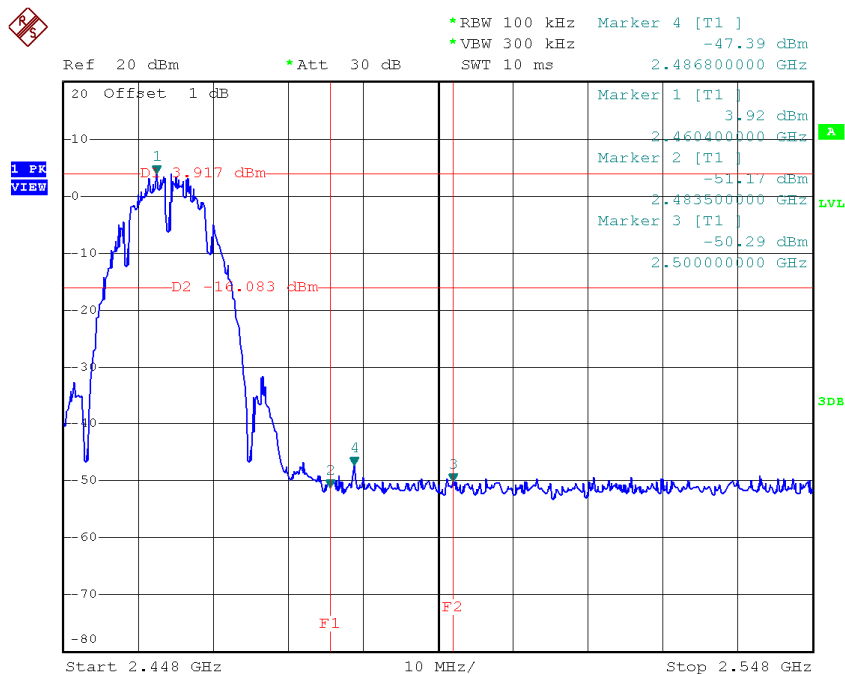
Test Mode :	TX B Mode_ANT 1
--------------------	------------------------

TX B mode CH01



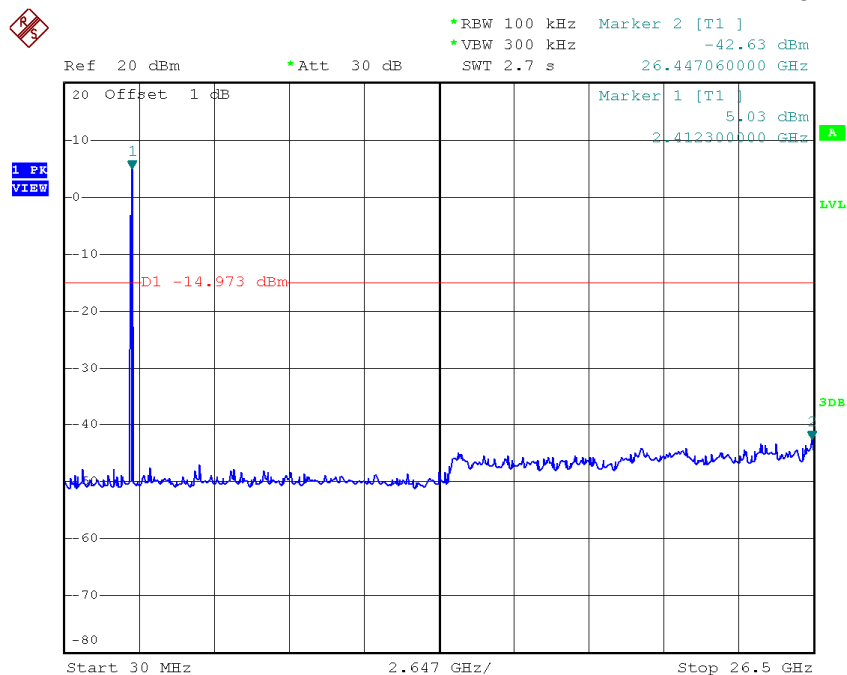
Date: 22.SEP.2014 14:57:47

TX B mode CH11



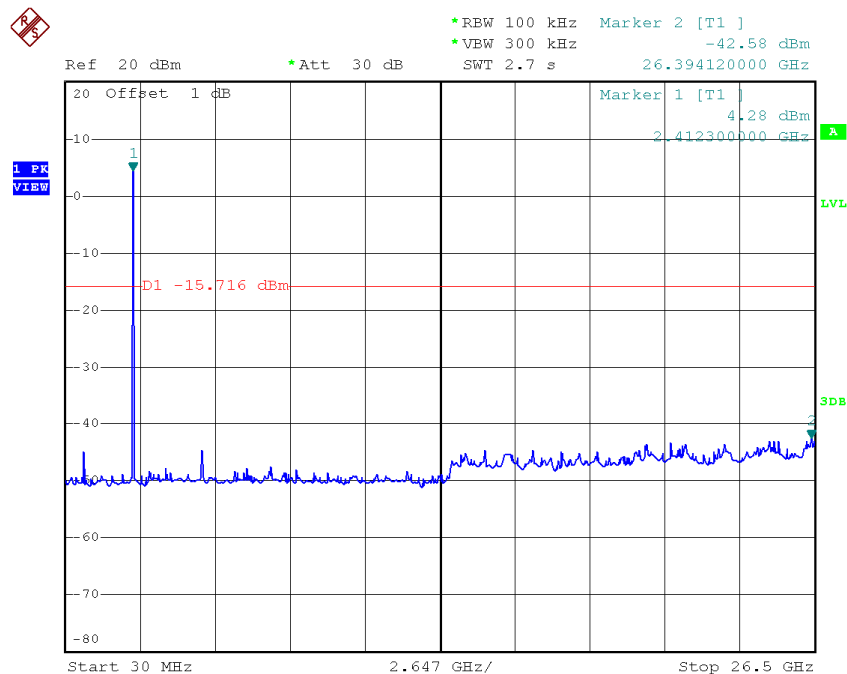
Date: 22.SEP.2014 15:02:24

TX B mode CH01 (10 Harmonic of the frequency)



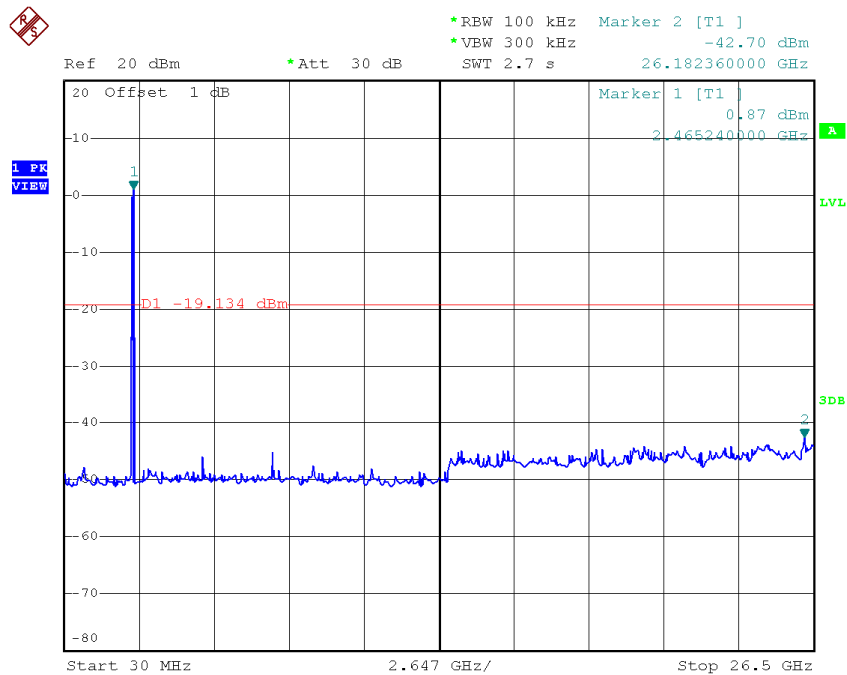
Date: 22.SEP.2014 14:57:39

TX B mode CH06 (10 Harmonic of the frequency)



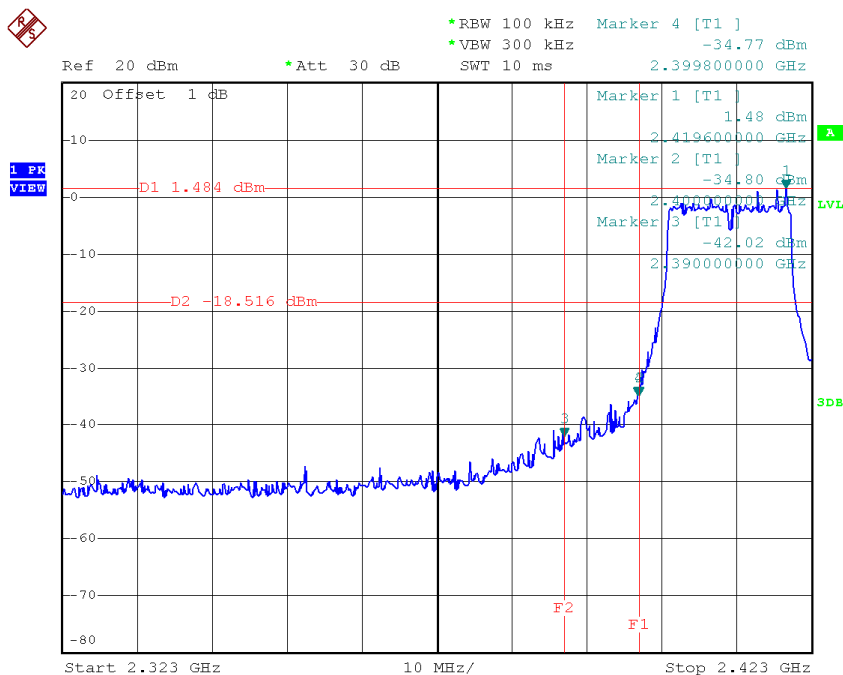
Date: 22.SEP.2014 14:59:23

TX B mode CH11 (10 Harmonic of the frequency)



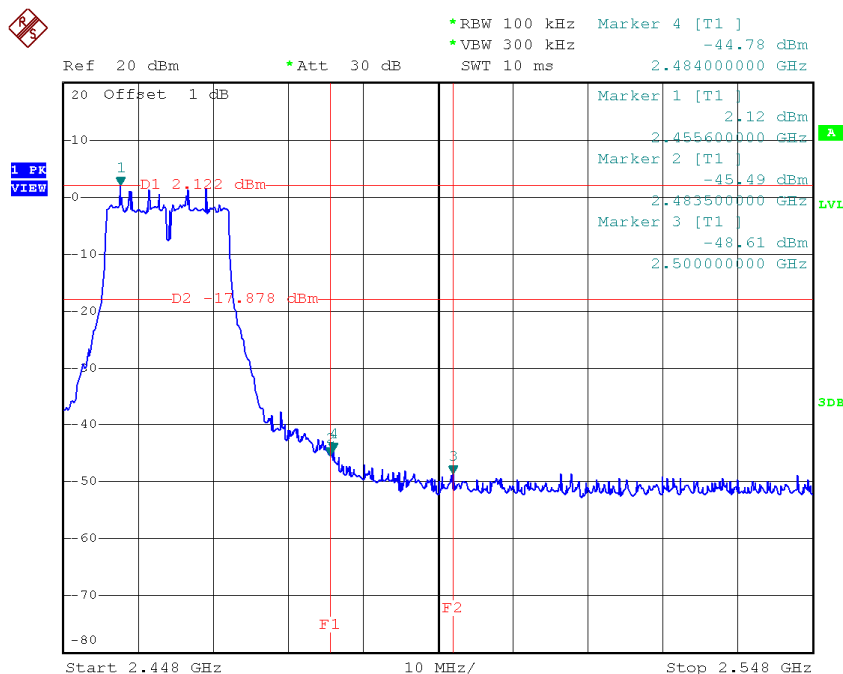
Date: 22.SEP.2014 15:02:16

TX G mode CH01



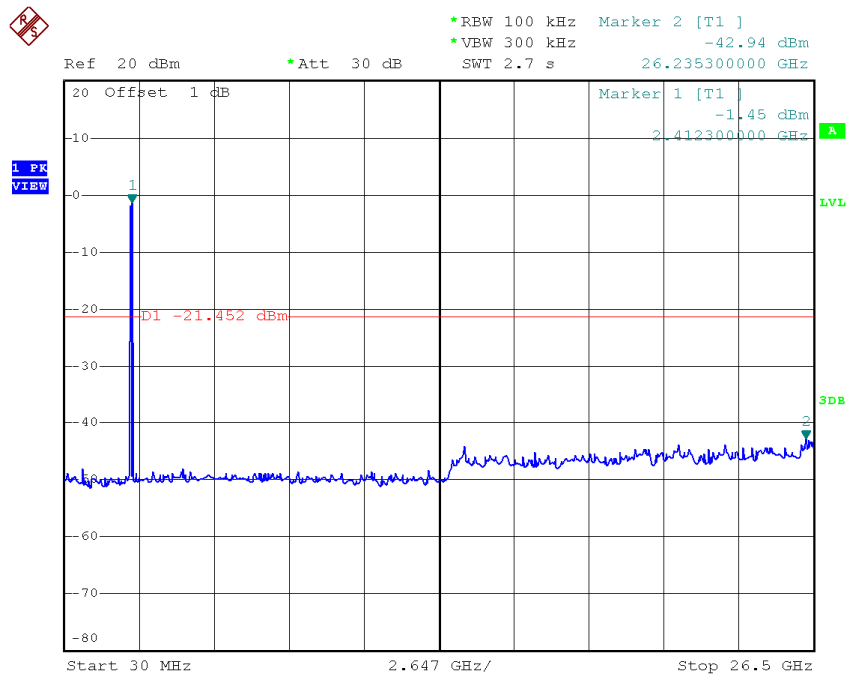
Date: 22.SEP.2014 15:06:20

TX G mode CH11



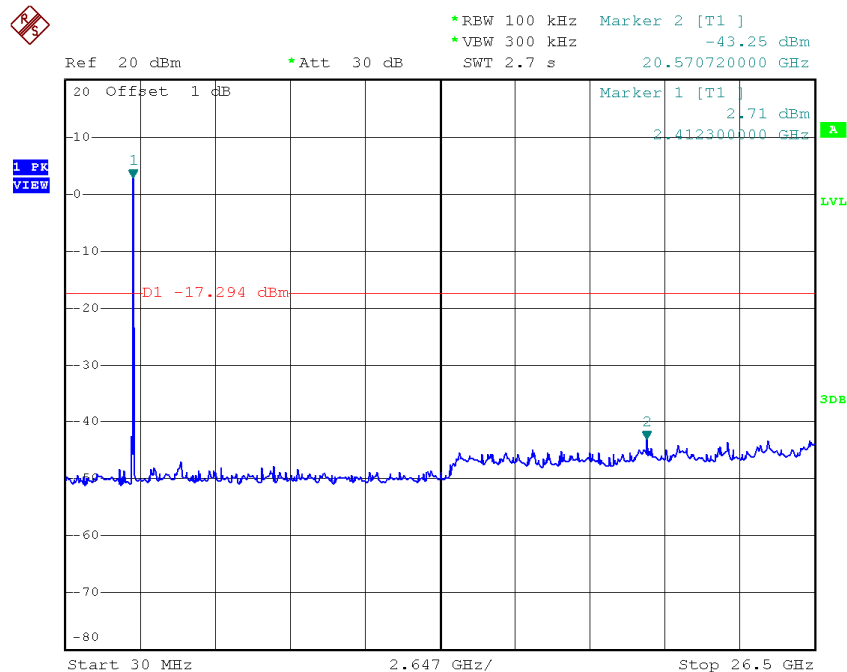
Date: 22.SEP.2014 15:09:11

TX G mode CH01 (10 Harmonic of the frequency)



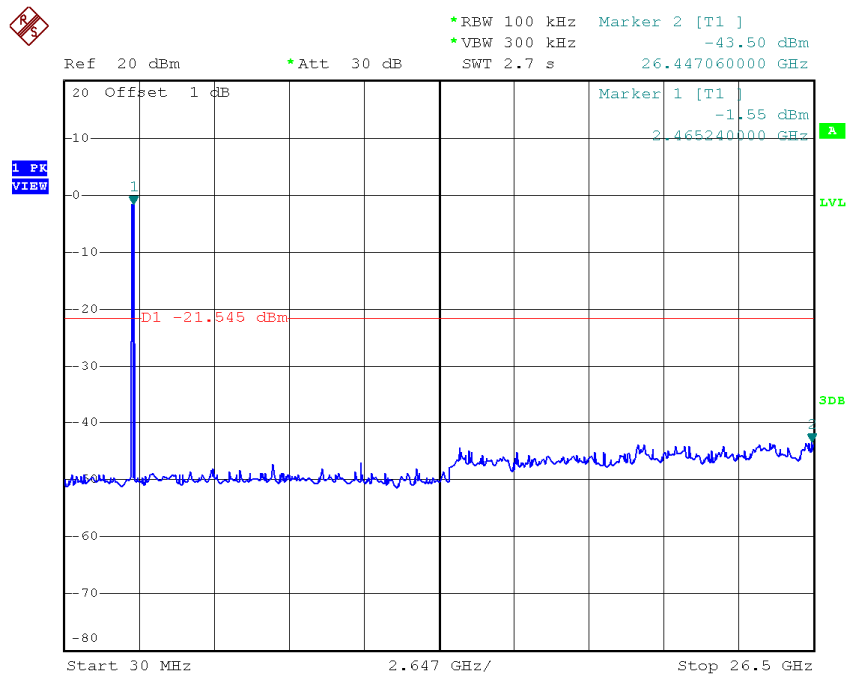
Date: 22.SEP.2014 15:05:49

TX G mode CH06 (10 Harmonic of the frequency)



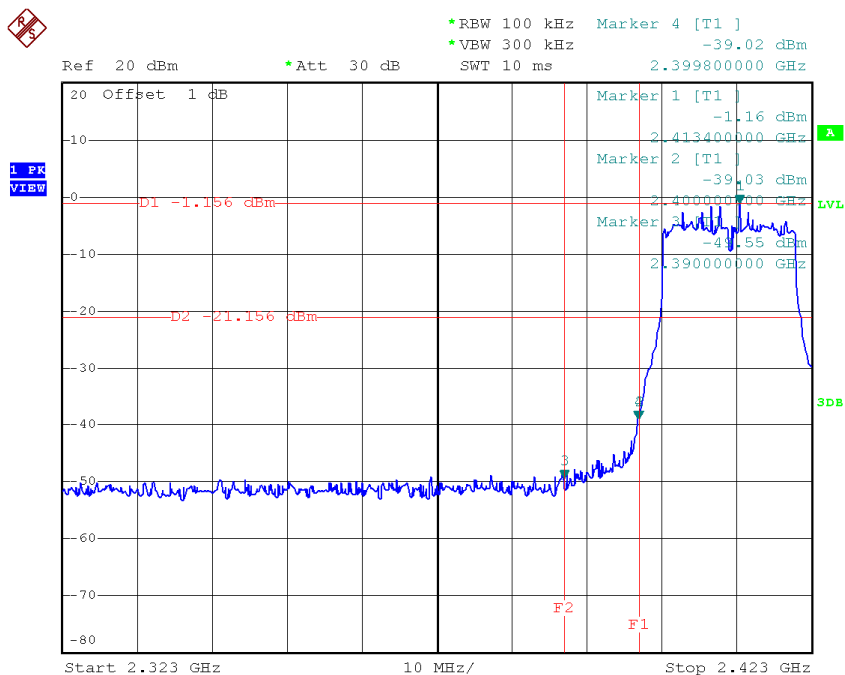
Date: 22.SEP.2014 15:07:47

TX G mode CH11 (10 Harmonic of the frequency)



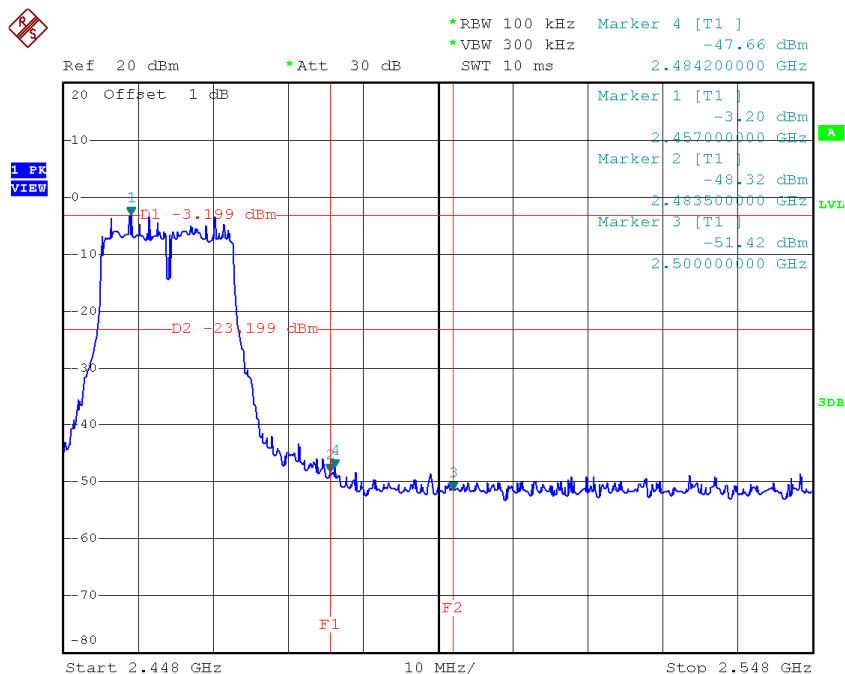
Date: 22.SEP.2014 15:08:57

TX HT20 mode CH01



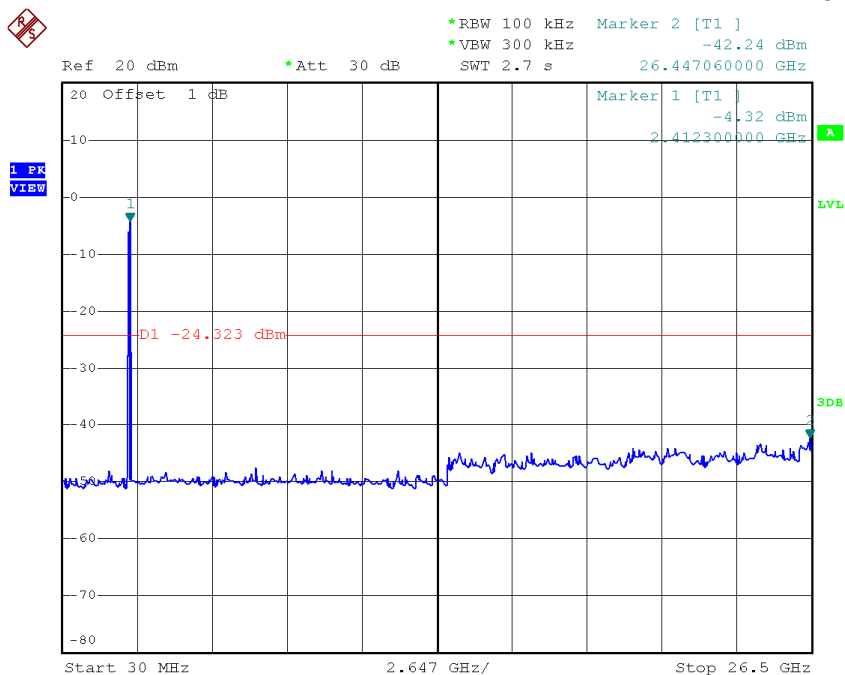
Date: 22.SEP.2014 15:11:31

TX HT20 mode CH11



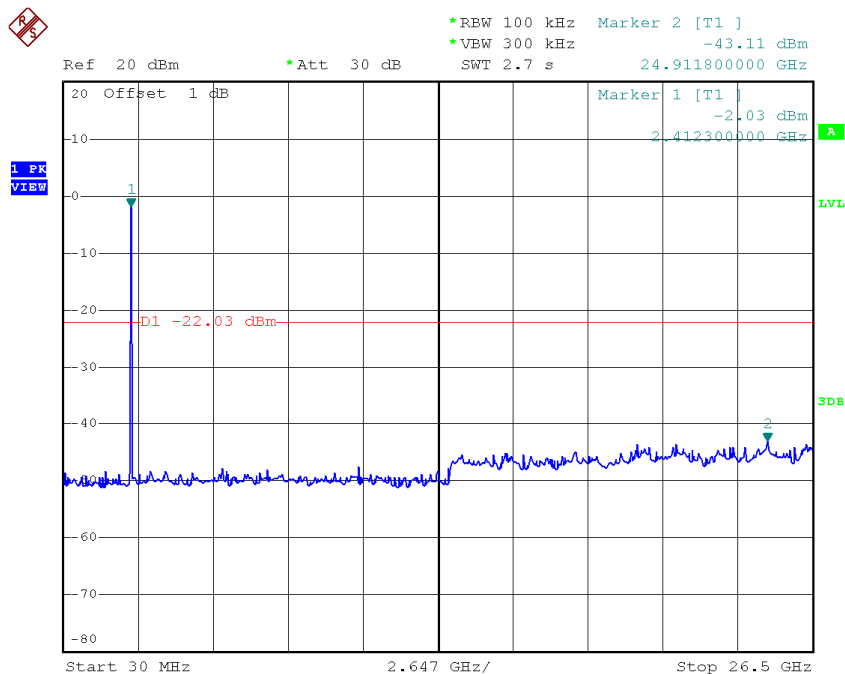
Date: 22.SEP.2014 15:14:29

TX HT20 mode CH01 (10 Harmonic of the frequency)



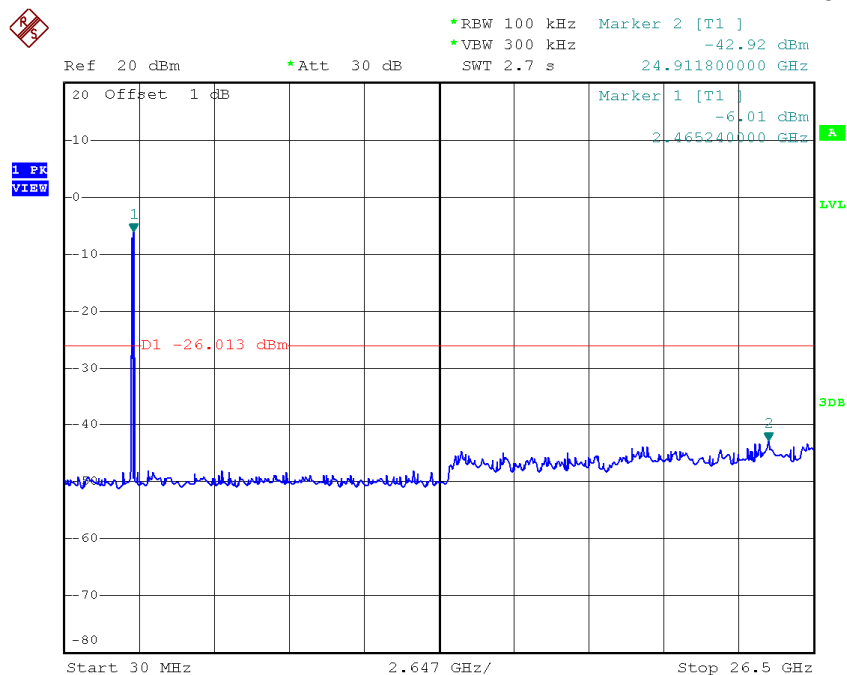
Date: 22.SEP.2014 15:10:48

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 22.SEP.2014 15:13:06

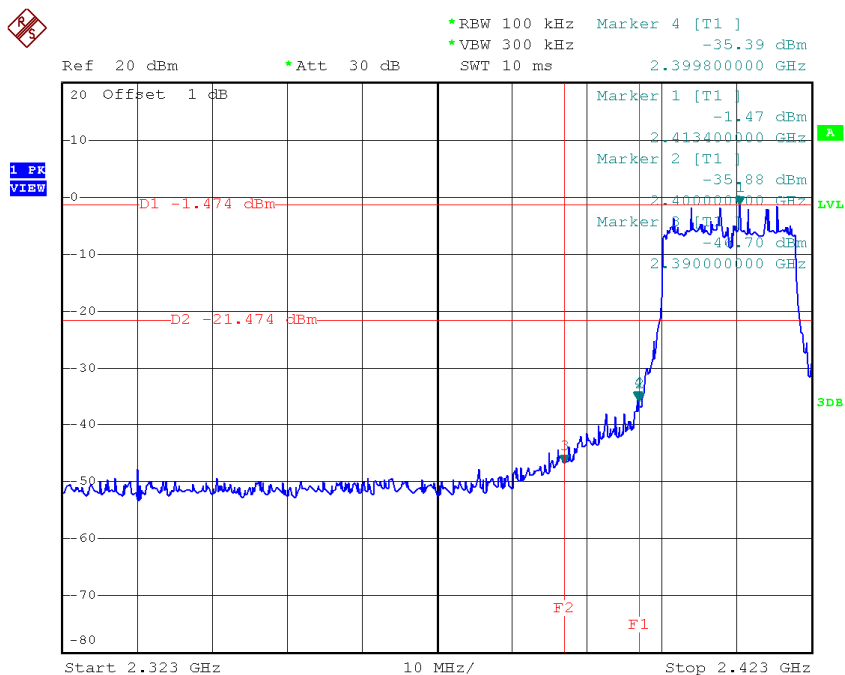
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 22.SEP.2014 15:14:21

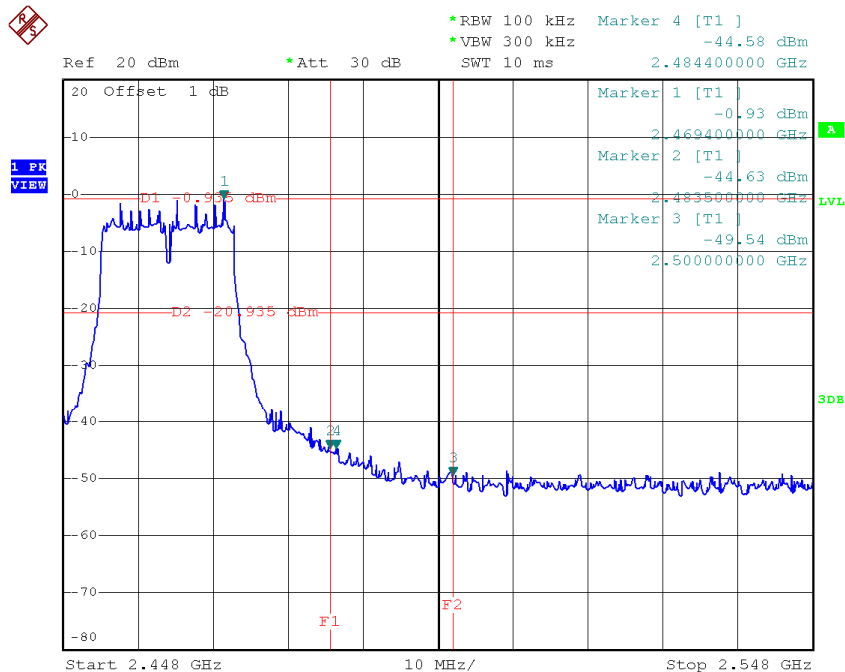
Test Mode :	TX N-20M Mode_ANT 2
--------------------	----------------------------

TX HT20 mode CH01



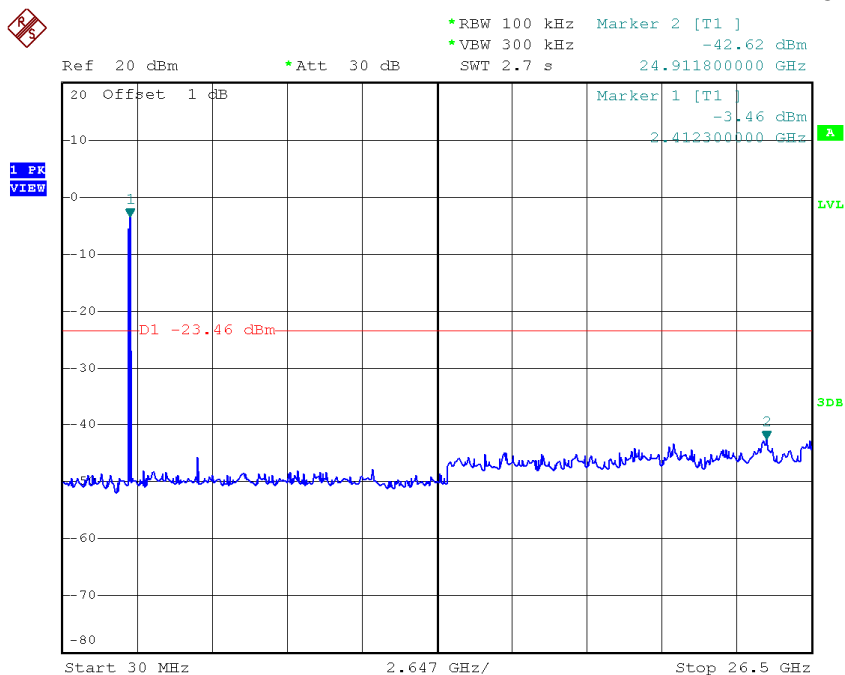
Date: 22.SEP.2014 15:16:24

TX HT20 mode CH11



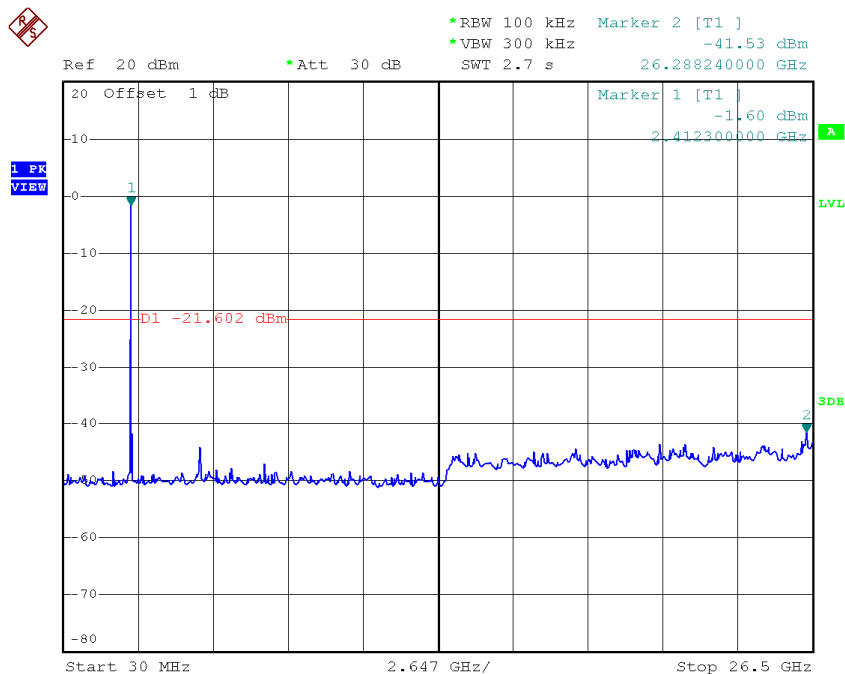
Date: 22.SEP.2014 15:18:47

TX HT20 mode CH01 (10 Harmonic of the frequency)



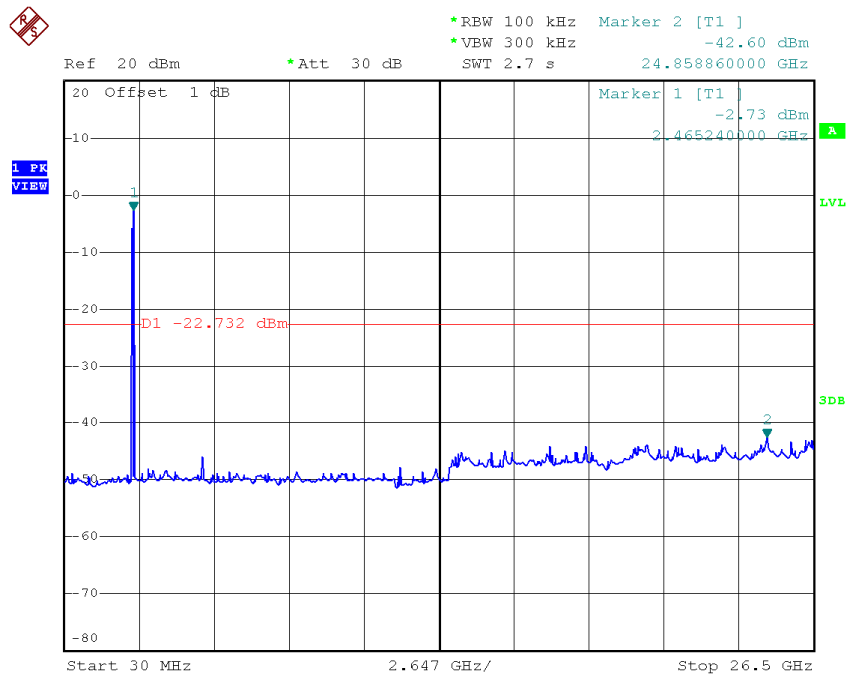
Date: 22.SEP.2014 15:16:16

TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 22.SEP.2014 15:17:35

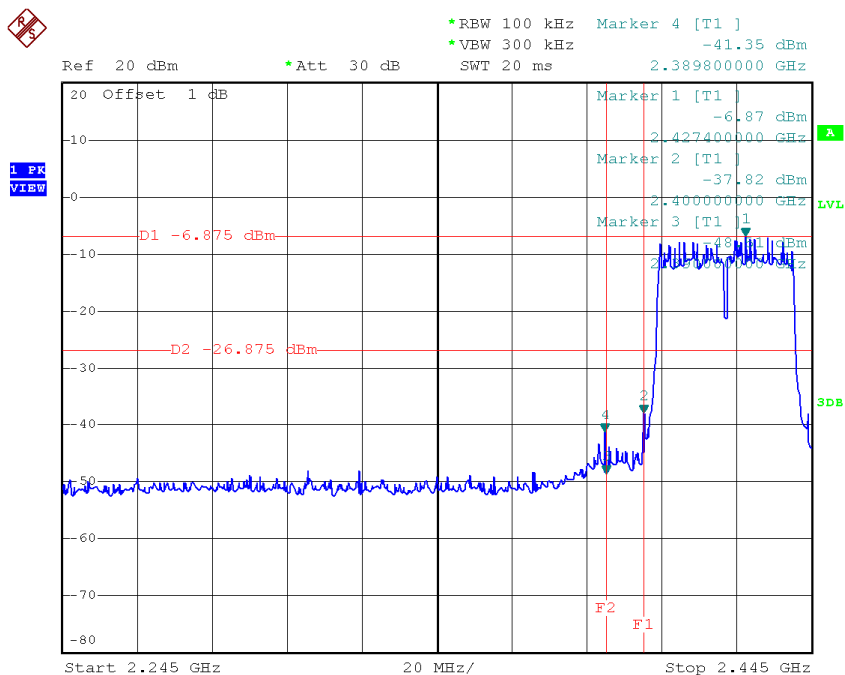
TX HT20 mode CH11 (10 Harmonic of the frequency)



Date: 22.SEP.2014 15:18:39

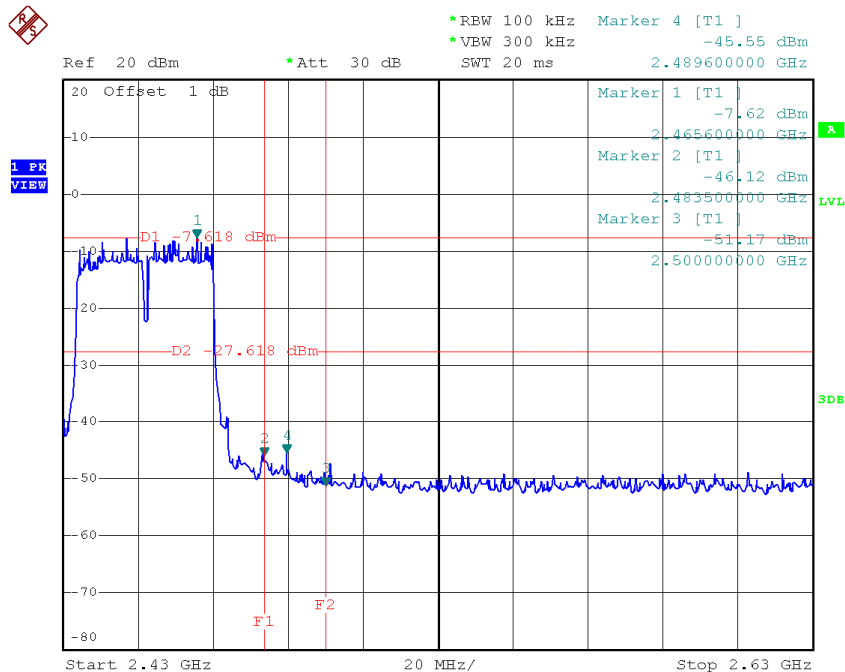
Test Mode :	TX N-40M Mode_ANT 1
-------------	---------------------

TX HT40 mode CH03



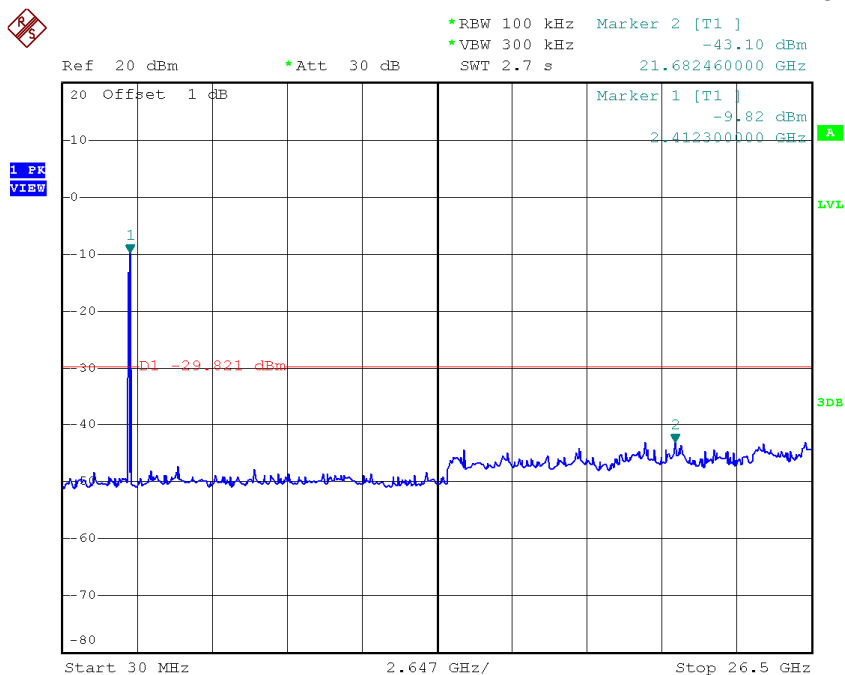
Date: 22.SEP.2014 15:21:06

TX HT40 mode CH09



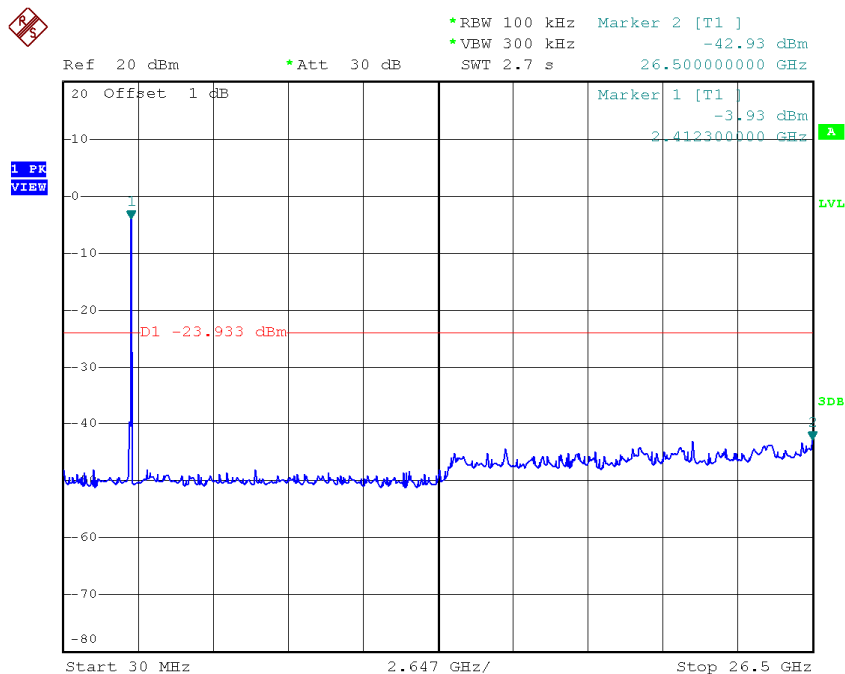
Date: 22.SEP.2014 15:24:12

TX HT40 mode CH03 (10 Harmonic of the frequency)



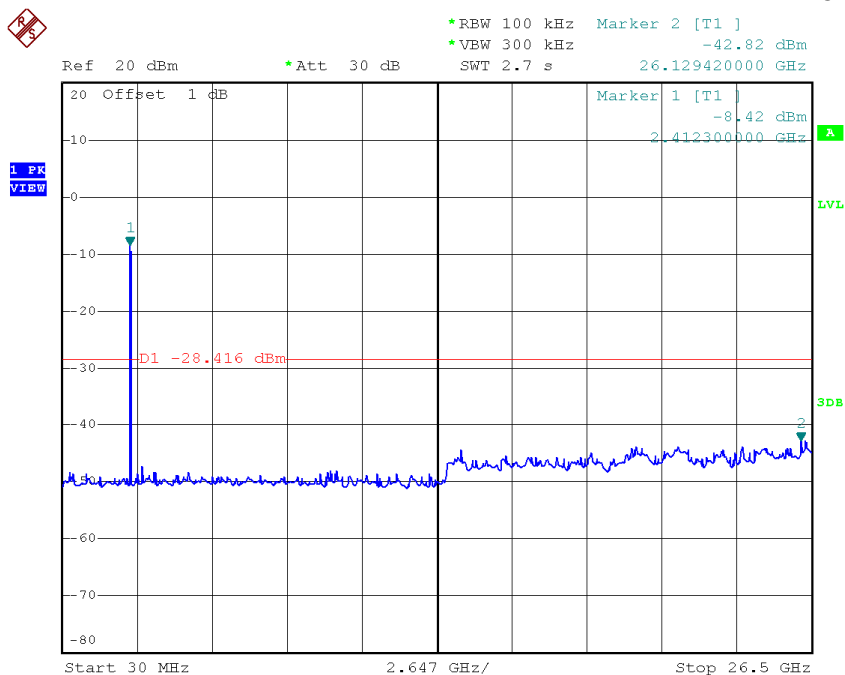
Date: 22.SEP.2014 15:20:29

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 22.SEP.2014 15:22:26

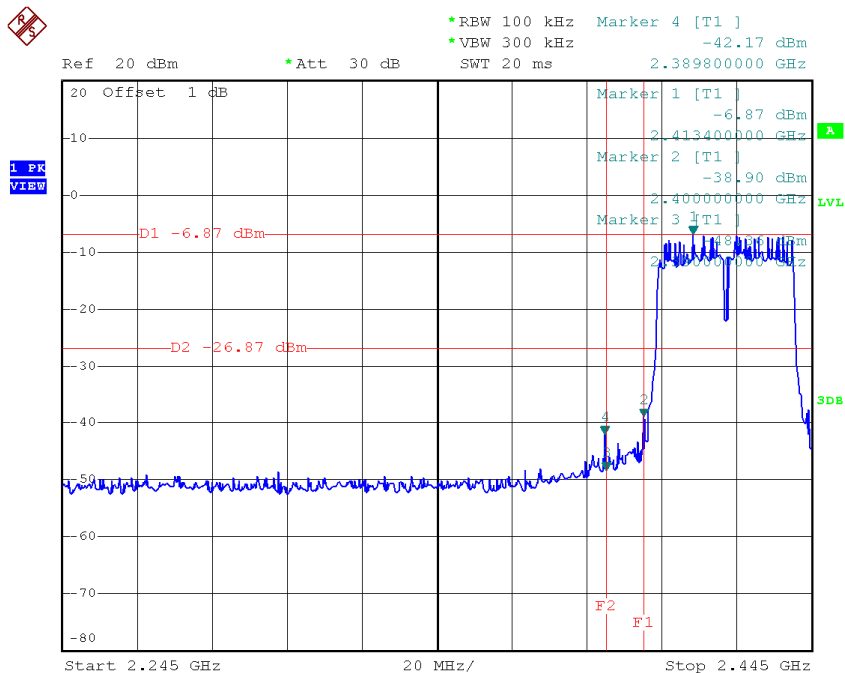
TX HT40 mode CH09 (10 Harmonic of the frequency)



Date: 22.SEP.2014 15:24:04

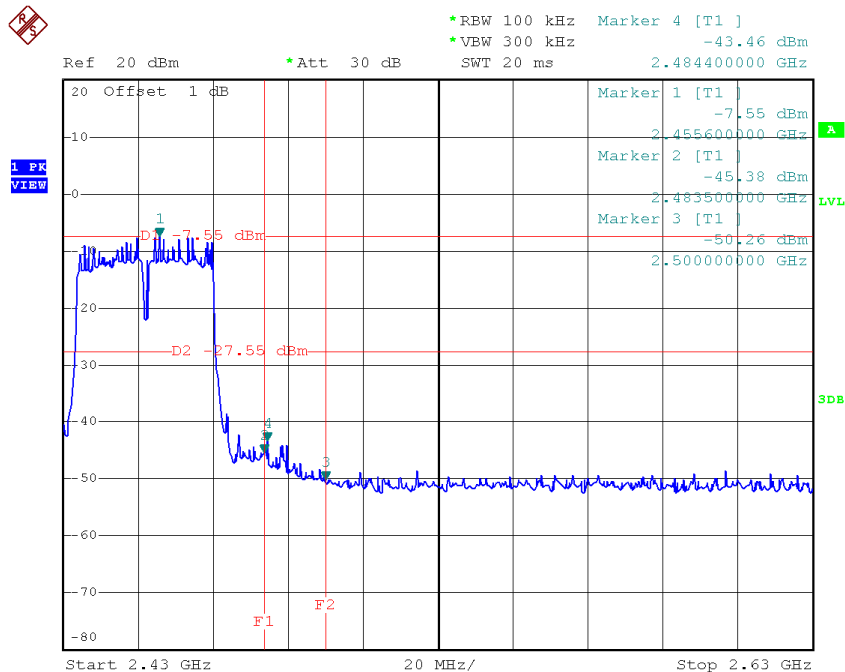
Test Mode :	TX N-40M Mode_ANT 2
--------------------	----------------------------

TX HT40 mode CH03



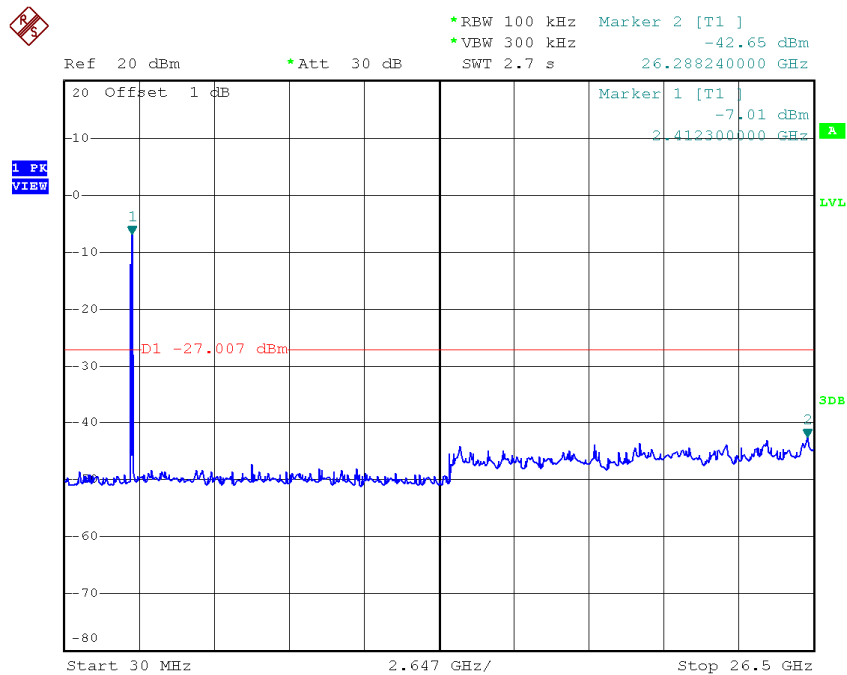
Date: 22.SEP.2014 15:28:55

TX HT40 mode CH09



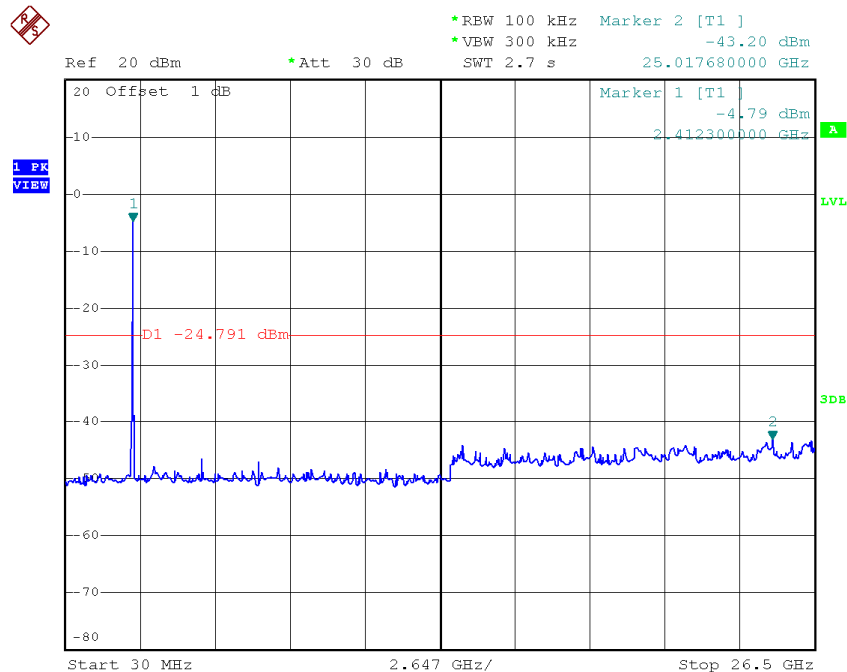
Date: 22.SEP.2014 15:34:02

TX HT40 mode CH03 (10 Harmonic of the frequency)



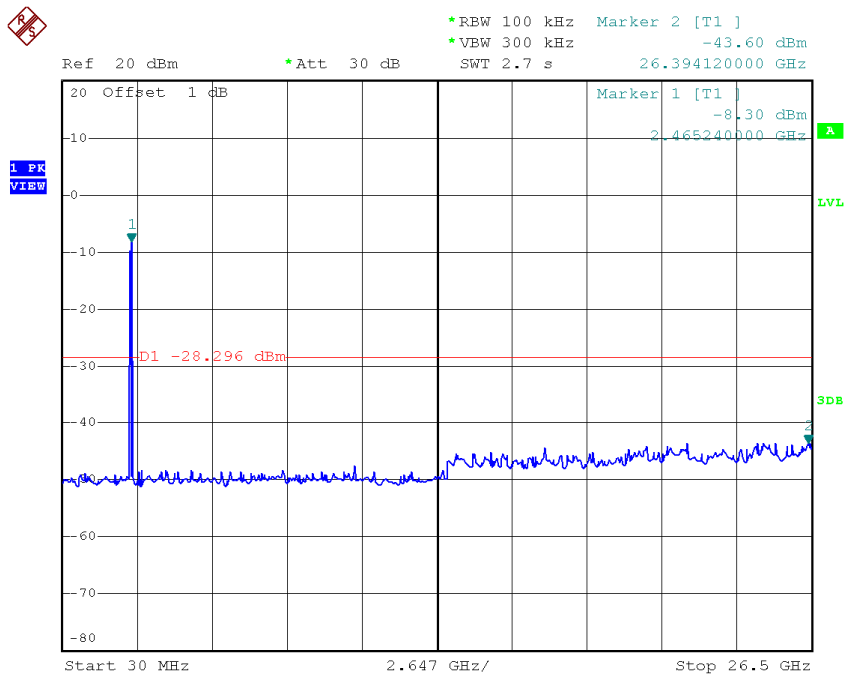
Date: 22.SEP.2014 15:26:33

TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 22.SEP.2014 15:30:26

TX HT40 mode CH09 (10 Harmonic of the frequency)



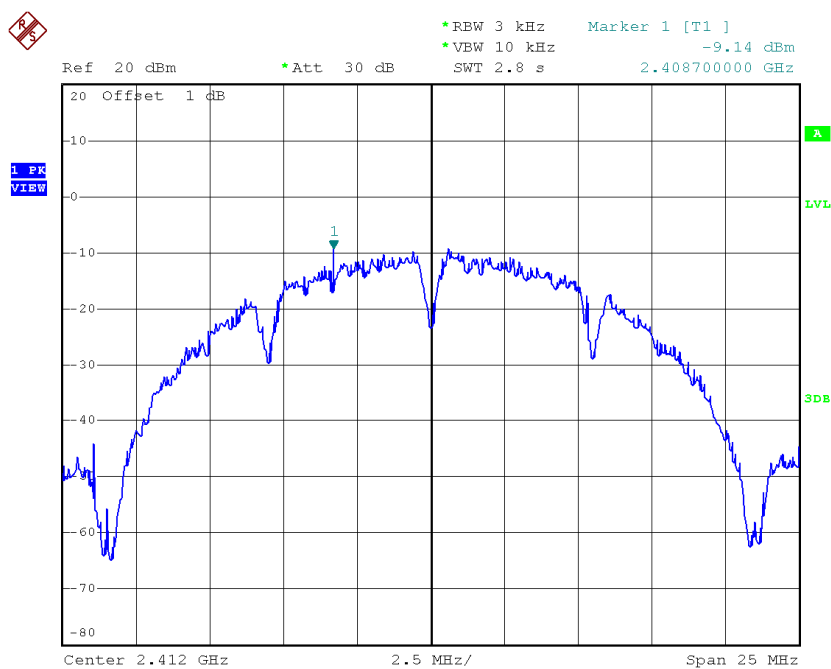
Date: 22.SEP.2014 15:33:54

ATTACHMENT H - POWER SPECTRAL DENSITY

Test Mode :TX B Mode_CH01/06/11

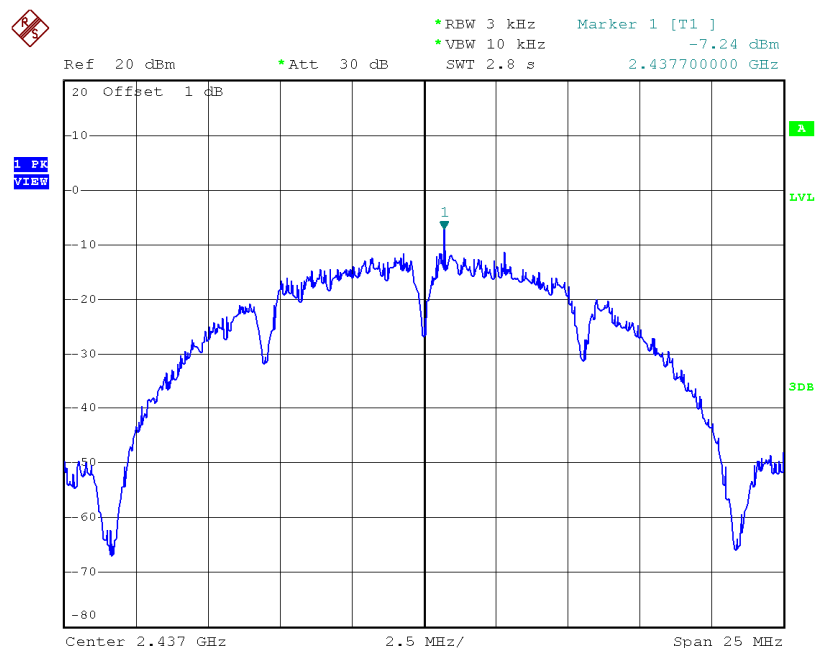
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.14	0.12	8.00	Complies
2437	-7.24	0.19	8.00	Complies
2462	-10.12	0.10	8.00	Complies

TX CH01



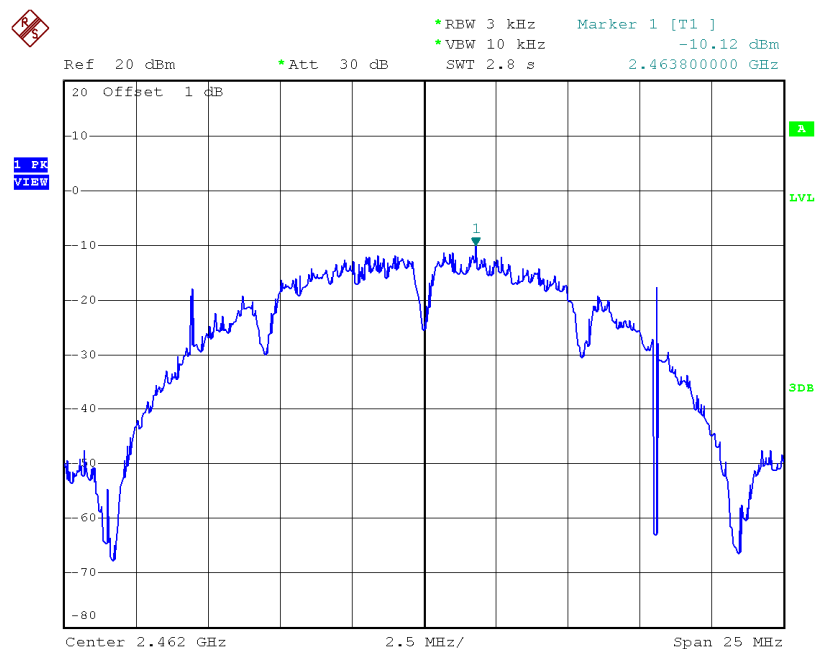
Date: 5.NOV.2014 19:52:58

TX CH06



Date: 22.SEP.2014 15:41:21

TX CH11

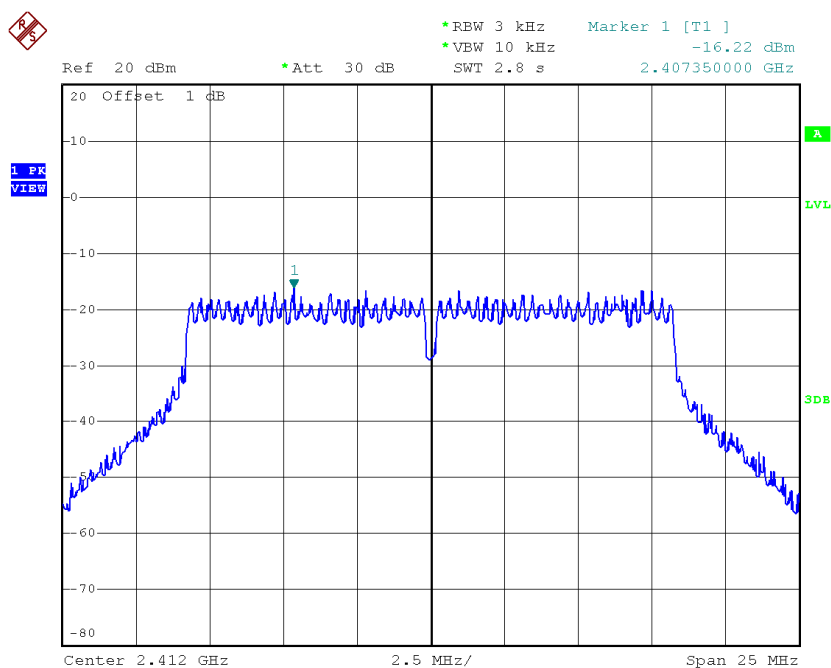


Date: 22.SEP.2014 15:45:16

Test Mode :TX G Mode_CH01/06/11

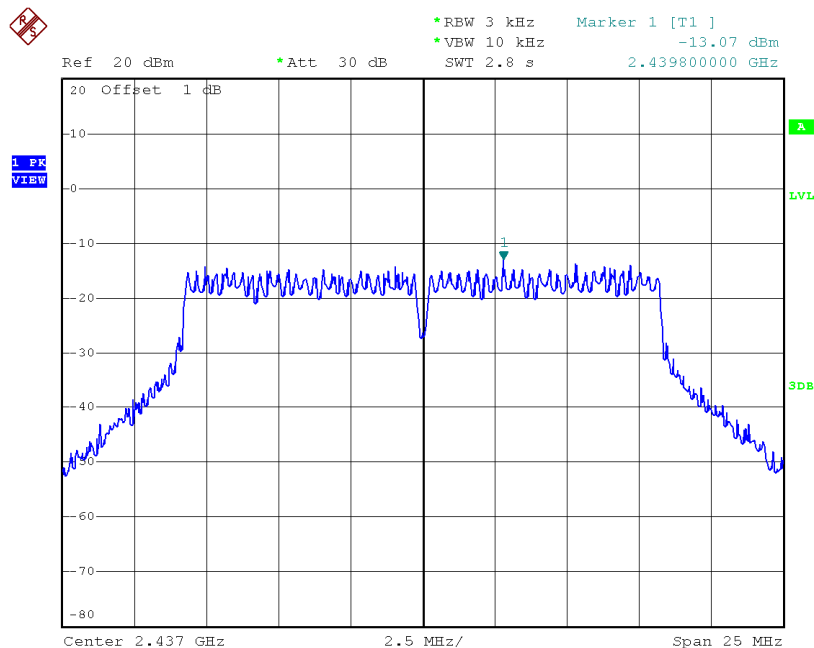
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-16.22	0.02	8.00	Complies
2437	-13.07	0.05	8.00	Complies
2462	-13.98	0.04	8.00	Complies

TX CH01



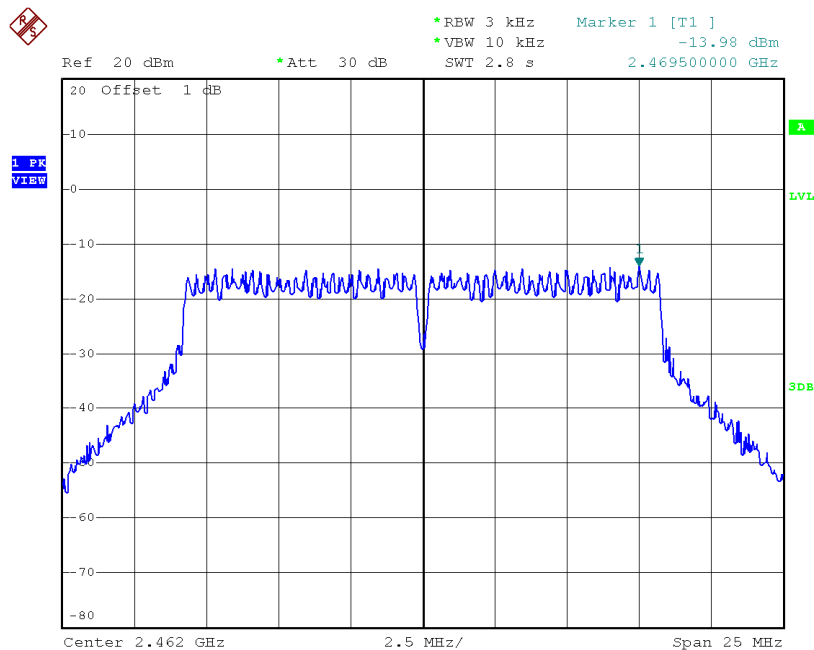
Date: 22.SEP.2014 19:30:58

TX CH06



Date: 22.SEP.2014 15:47:16

TX CH11

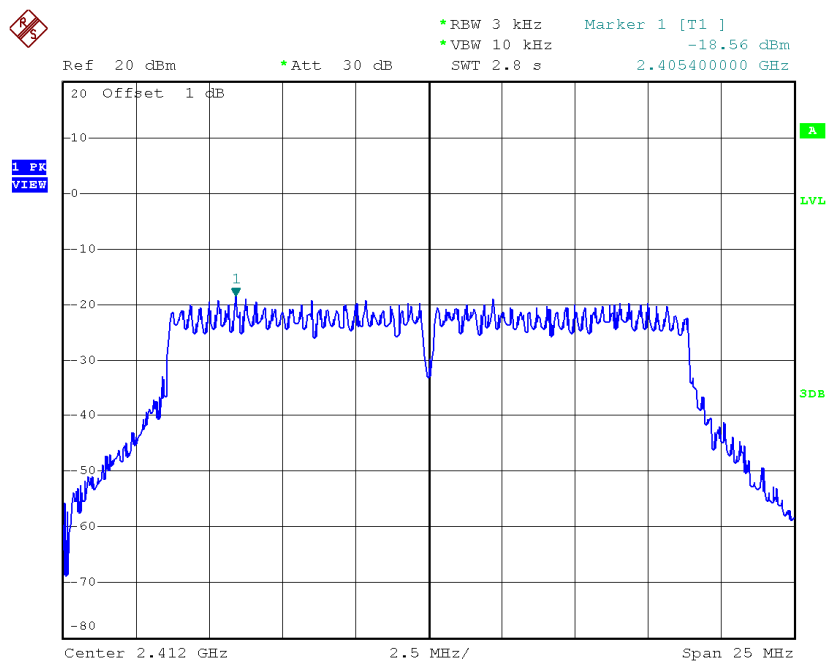


Date: 22.SEP.2014 15:47:45

Test Mode : TX N-20M Mode_CH01/06/11_ANT 1

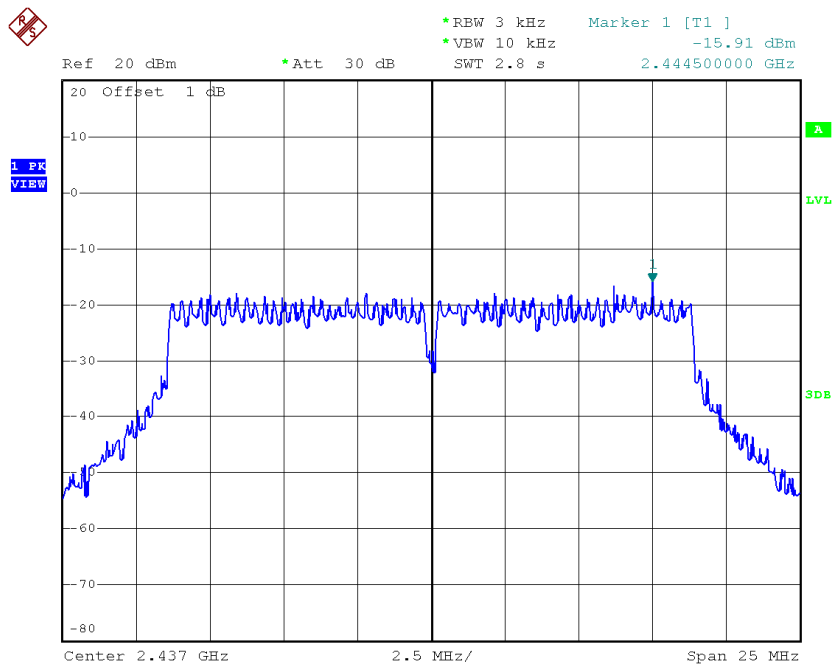
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-18.56	0.01	8.00	Complies
2437	-15.91	0.03	8.00	Complies
2462	-19.98	0.01	8.00	Complies

TX CH01



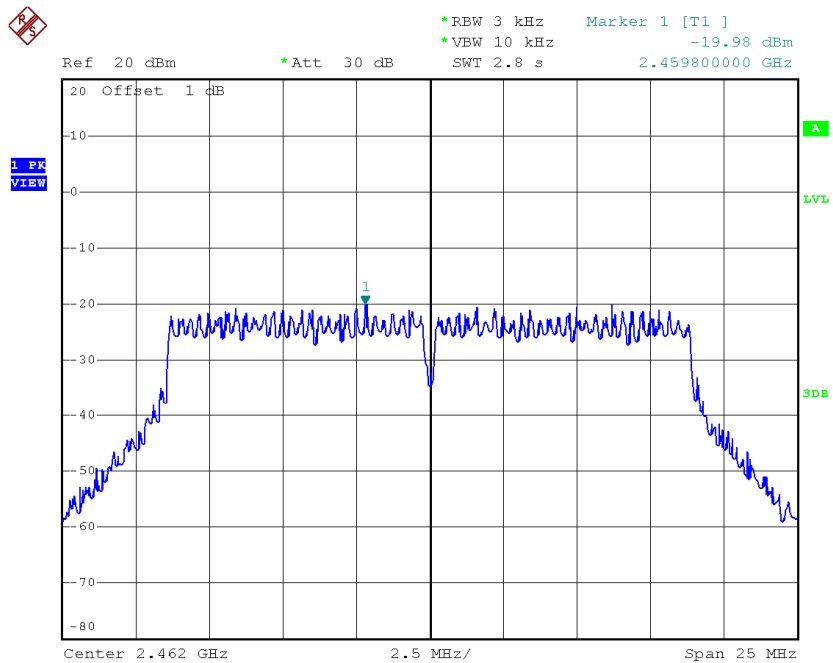
Date: 22.SEP.2014 15:11:38

TX CH06



Date: 22.SEP.2014 19:28:03

TX CH11

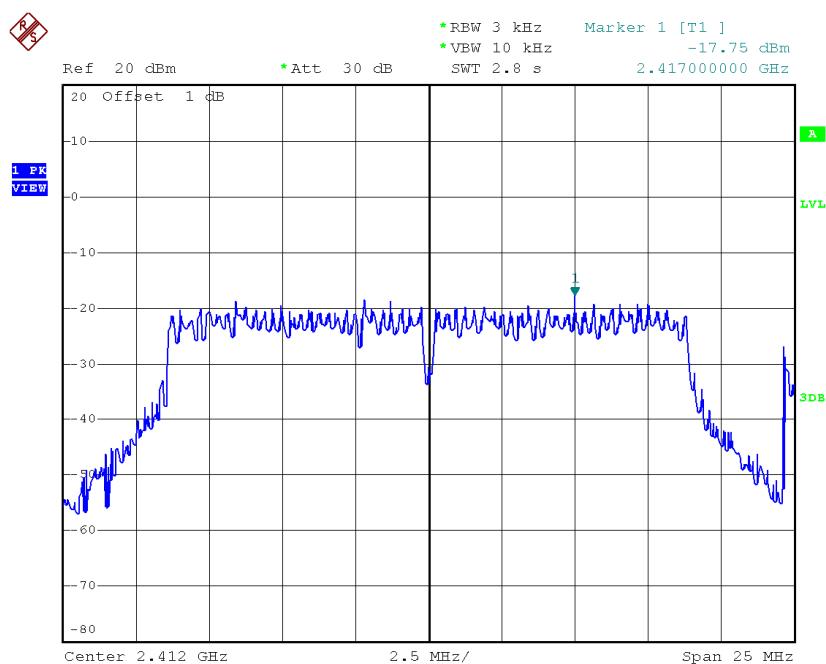


Date: 22.SEP.2014 15:14:37

Test Mode : TX N-20M Mode_CH01/06/11_ANT 2

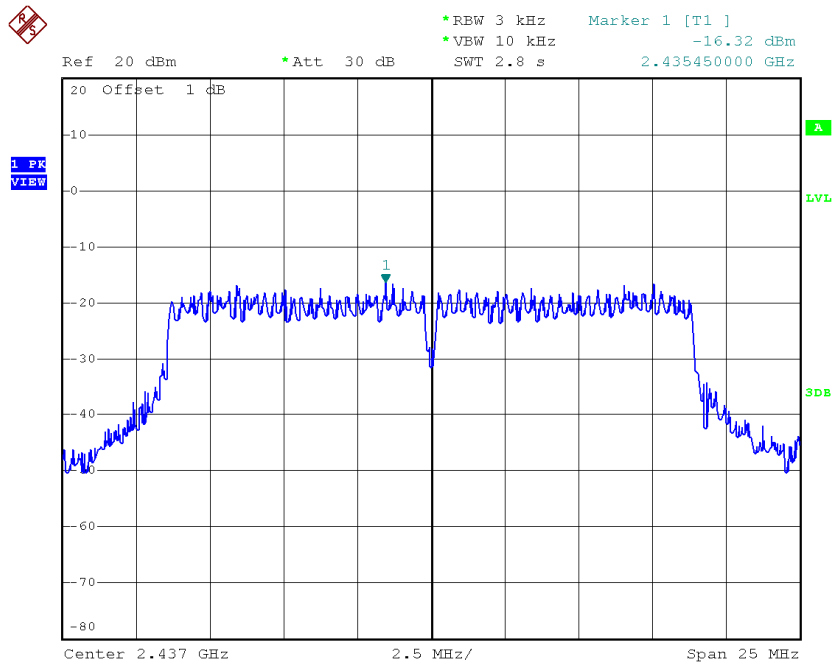
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-17.75	0.02	8.00	Complies
2437	-16.32	0.02	8.00	Complies
2462	-18.35	0.01	8.00	Complies

TX CH01



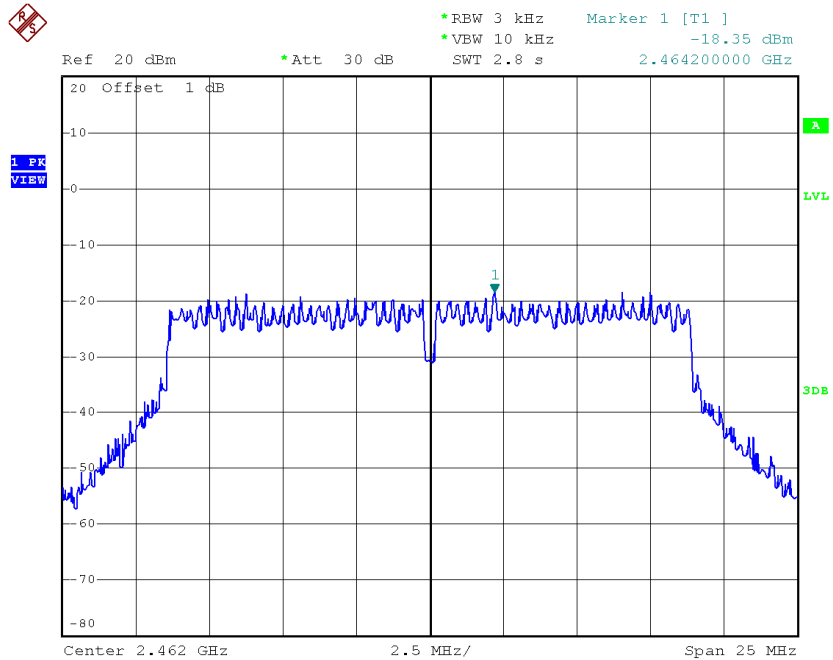
Date: 22.SEP.2014 15:16:31

TX CH06



Date: 22.SEP.2014 15:17:42

TX CH11



Date: 22.SEP.2014 15:18:54

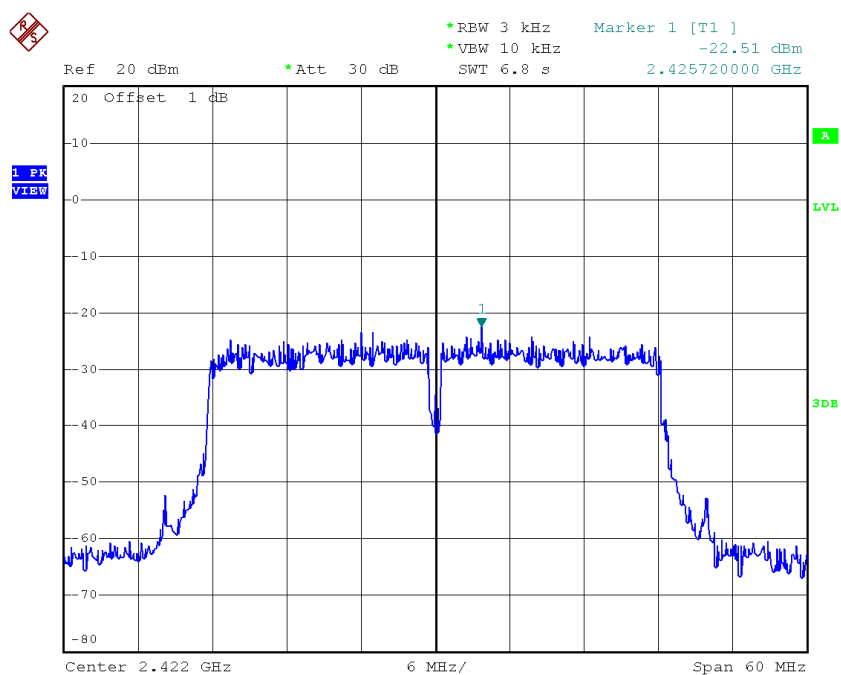
Test Mode : TX N-20M Mode_CH01/06/11_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-15.13	0.03	8.00	Complies
2437	-13.10	0.05	8.00	Complies
2462	-16.07	0.02	8.00	Complies

Test Mode : TX N-40M Mode_CH03/06/09_ANT 1

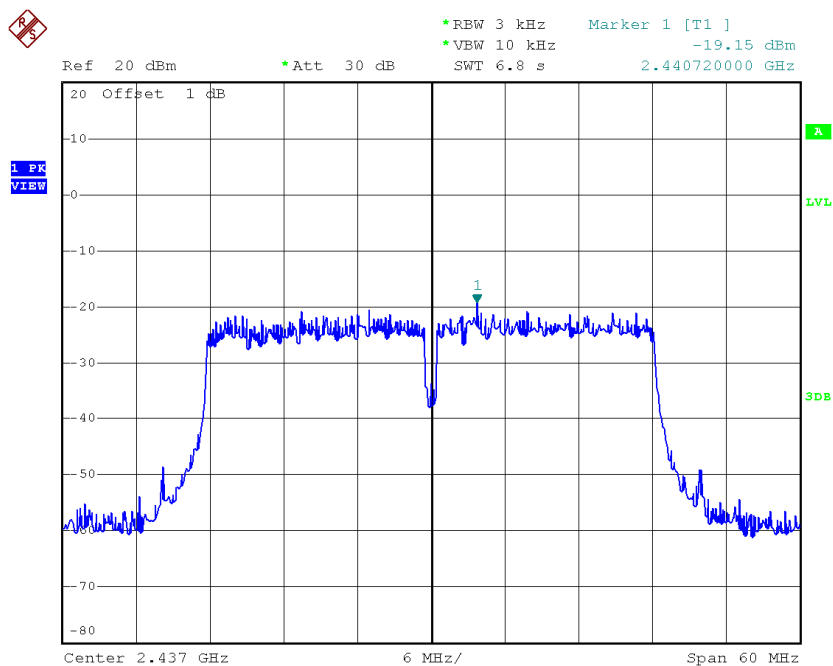
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-22.51	0.01	8.00	Complies
2437	-19.15	0.01	8.00	Complies
2452	-23.02	0.00	8.00	Complies

TX CH03



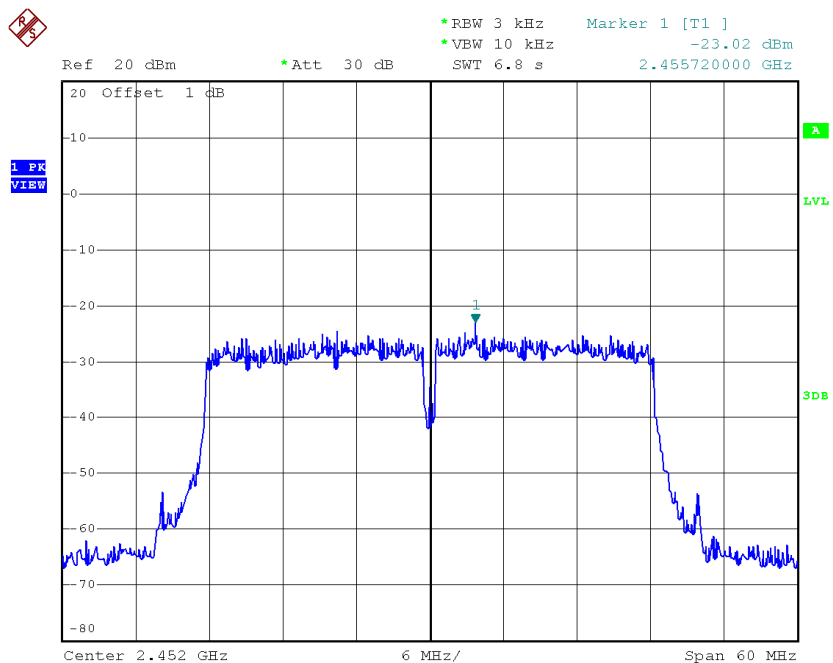
Date: 22.SEP.2014 15:21:19

TX CH06



Date: 22.SEP.2014 15:22:38

TX CH09

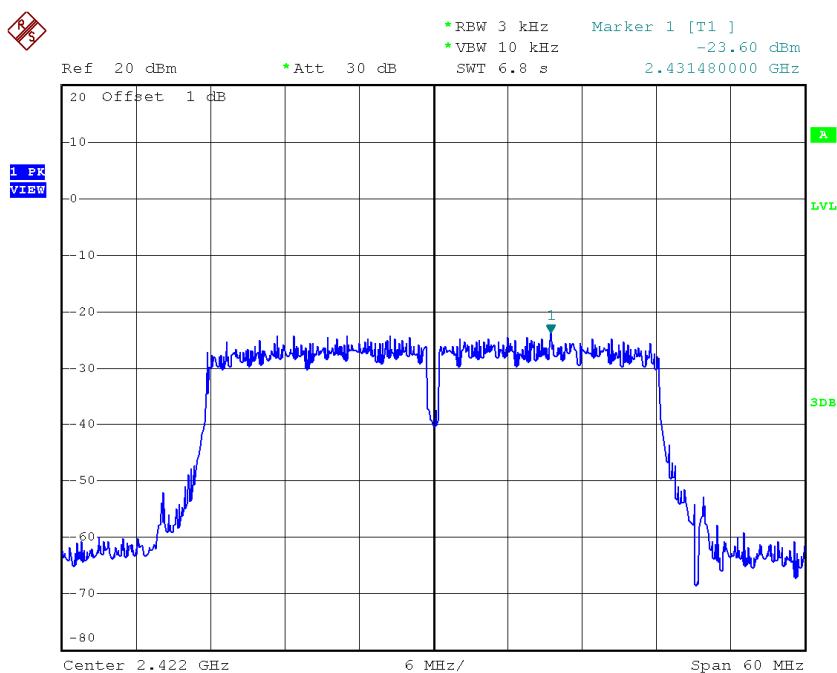


Date: 22.SEP.2014 15:24:25

Test Mode : TX N-40M Mode_CH03/06/09_ANT 2

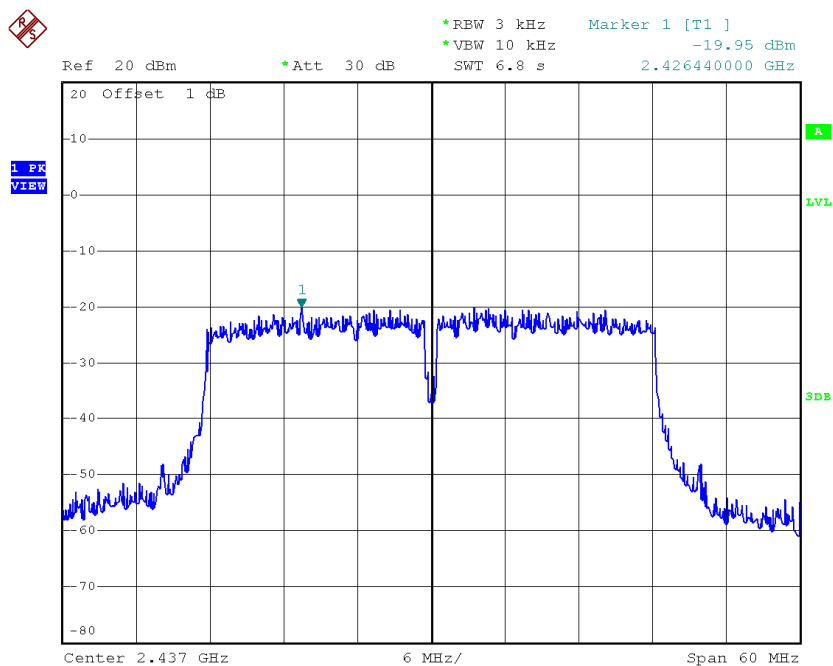
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-23.60	0.00	8.00	Complies
2437	-19.95	0.01	8.00	Complies
2452	-24.60	0.00	8.00	Complies

TX CH03



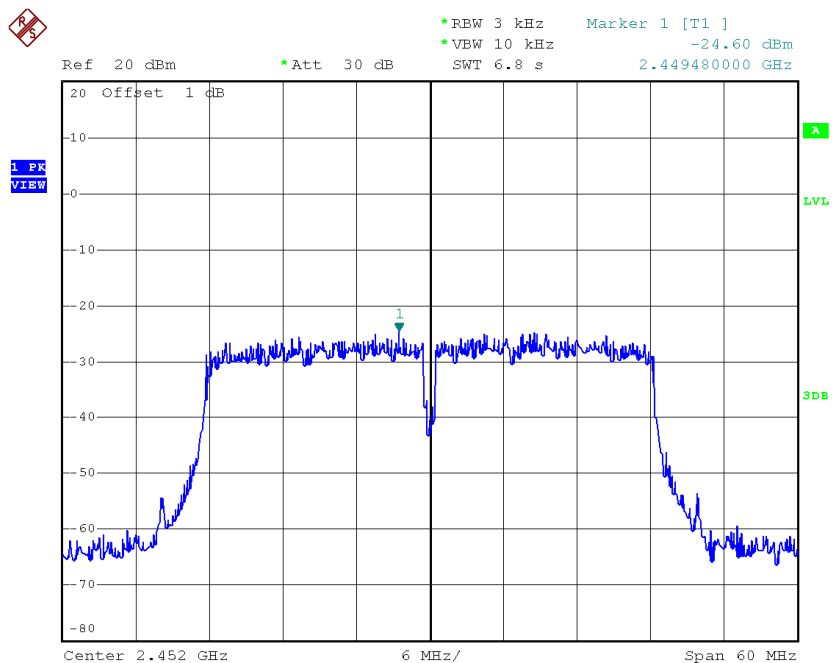
Date: 22.SEP.2014 15:29:08

TX CH06



Date: 22.SEP.2014 19:23:34

TX CH09



Date: 22.SEP.2014 15:34:15

Test Mode : TX N-40M Mode_CH03/06/09_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-20.01	0.01	8.00	Complies
2437	-16.52	0.02	8.00	Complies
2452	-20.73	0.01	8.00	Complies