

FCC Radio Test Report

FCC ID: 2ADPBID117

This report conce	rns (check one): ⊠Original Grant
Project No. Equipment Model Name Applicant Address	 : 1411C072 : Wireless Enabled Hard Drive : IDrive WiFi; IDriveWiFi-XXXXGB : IDrive Inc. : 26115 Mureau Road, Suite A,Calabasas, CA 91302
Date of Receipt Date of Test Issued Date Tested by	: Nov. 10, 2014 : Nov. 10, 2014 ~ Nov. 25, 2014 : Nov. 26, 2014 : BTL Inc.
Testing Engineer	: David Mao (David Mao)
Technical Manage	er : (Leo Hung)
Authorized Signat	

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Report No.: BTL-FCCP-1-1411C072 Page 1 of 158



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.

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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.

Report No.: BTL-FCCP-1-1411C072 Page 2 of 158



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 TES	TED 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 4.1.4 TEST SETUP	14 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 4.2.2 TEST PROCEDURE	16 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 4.2.7 TEST RESULTS (9KHZ TO 30MHZ)	18 19
4.2.8 TEST RESULTS (9RHZ TO 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 5.1.3 TEST SETUP	20 20
5.1.4 EUT OPERATION CONDITIONS	20
5.1.5 EUT TEST CONDITIONS	20
5.1.6 TEST RESULTS	20

Report No.: BTL-FCCP-1-1411C072 Page 3 of 158



Table of Contents	Page
6 . MAXIMUM PEAK CONDUCTED OUTPUT POWER TEST	21
6.1 APPLIED PROCEDURES / LIMIT	21
6.1.1 TEST PROCEDURE 6.1.2 DEVIATION FROM STANDARD	21 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 7.1.2 DEVIATION FROM STANDARD	22 22
7.1.2 DEVIATION FROM STANDARD 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 8.1.2 DEVIATION FROM STANDARD	23 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	30
ATTACHMENT B - RADIATED EMISSION (9KHZ TO 30MHZ)	33
ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)	35
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	42
ATTACHMENT E - BANDWIDTH	91
ATTACHMENT F - MAXIMUM PEAK CONDUCTED OUTPUT POWER	100
ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION	105
ATTACHMENT H - POWER SPECTRAL DENSITY	138

Report No.: BTL-FCCP-1-1411C072 Page 4 of 158



REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1411C072	Original Issue.	Nov. 26, 2014

Report No.: BTL-FCCP-1-1411C072 Page 5 of 158



1. CERTIFICATION

Equipment : Wireless Enabled Hard Drive

Brand Name: IDrive; IDrive WiFi

Model Name: IDrive WiFi; IDriveWiFi-XXXXGB

Applicant : IDrive Inc. Manufacturer : IDrive Inc.

Address : 26115 Mureau Road, Suite A, Calabasas, CA 91302

Factory : Power7 Technology(Dongguan) Co.,Ltd

Address : No.28 BinjiangSt.ShishuikouVillage,QiaotouTown, DongguanCity, GuangDong

Province P.R.China

Date of Test : Nov. 10, 2014 ~ Nov. 25, 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-1-1411C072) 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).

Report No.: BTL-FCCP-1-1411C072 Page 6 of 158



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 FCC	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			
15.209/15.205	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)

Report No.: BTL-FCCP-1-1411C072 Page 7 of 158



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

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 expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95 % \circ

A. Conducted Measurement:

Test Site	Method	Measurement Frequency Range	U, (dB)	NOTE
DG-C02	CISPR	150 KHz ~ 30MHz	1.94	

B. Radiated Measurement:

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)	NOTE
		9KHz~30MHz	V	3.79	
		9KHz~30MHz	Н	3.57	
		30MHz ~ 200MHz	V	3.82	
		30MHz ~ 200MHz	Н	3.60	
DG-CB03	3 CISPR	200MHz ~ 1,000MHz	V	3.86	
DG-CB03	CISER	200MHz ~ 1,000MHz	Н	3.94	
		1GHz~18GHz	V	3.12	
		1GHz~18GHz	Н	3.68	
		18GHz~40GHz	V	4.15	
		18GHz~40GHz	Н	4.14	

Report No.: BTL-FCCP-1-1411C072 Page 8 of 158



3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Wireless Enabled Hard Drive		
Brand Name	IDrive; IDrive WiFi		
Model Name	IDrive WiFi; IDriveWiFi-XX	KXXGB	
Model Difference	Only differ in the hard driv	e capacity	
	Operation Frequency	2412~2462 MHz	
Product Description	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: 24.29 dBm 802.11g: 26.88 dBm 802.11n(20MHz): 27.37 dBm 802.11n(40MHz): 26.34 dBm		
Power Source	#1 DC voltage supplied from AC Adapter. Brand/Model: Ktec / KSA29B0500200D5 #2 Supplied from lithium battery. Model: SP 954856		
Power Rating	#1 I/P: AC 100-240V~ 50/60Hz 0.5A O/P: DC 5.0V 2.0A #2 DC 3.7V 3000mAh 11.1Wh		

Note:

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

Report No.: BTL-FCCP-1-1411C072 Page 9 of 158



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	80	2447	11	2462
03	2422	06	2437	09	2452		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	(dDi)	Note
Α	N/A	SLB-201560040	Integral	N/A	2.24	TX/RX
В	N/A	SLB-201570170	Integral	N/A	2.71	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=2.71.

4.

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

Report No.: BTL-FCCP-1-1411C072 Page 10 of 158



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 01/06/11
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%.

Report No.: BTL-FCCP-1-1411C072 Page 11 of 158



3.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

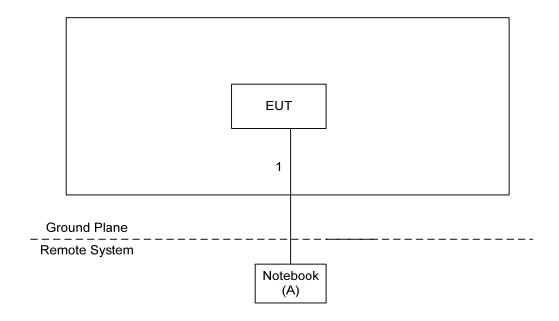
During testing, channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final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

Test software version		RT5x7xQA	
Frequency (MHz)	2412	2437	2462
802.11b	16	14	11
802.11g	10	0F	0C
802.11n (20MHz)	11	10	2
Frequency	2422	2437	2452
802.11n (40MHz)	5	0A	2

Report No.: BTL-FCCP-1-1411C072 Page 12 of 158



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
Α	Notebook	DELL	INSPIRON 1420	DOC	N/A	

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	10m	RJ45 Cable

Report No.: BTL-FCCP-1-1411C072 Page 13 of 158



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

- 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.

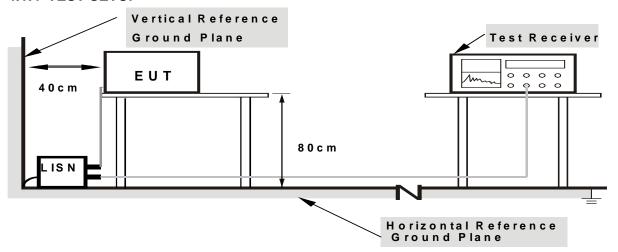
4.1.3 DEVIATION FROM TEST STANDARD

No deviation

Report No.: BTL-FCCP-1-1411C072 Page 14 of 158



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.

Report No.: BTL-FCCP-1-1411C072 Page 15 of 158



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	Field Strength Measurement Dista	
(MHz)	(microvolts/meter) (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)	
r requericy (Wiriz)	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	RBW 1MHz VBW 3MHz peak detector for Pk value
(Emission in restricted band)	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

Report No.: BTL-FCCP-1-1411C072 Page 16 of 158



4.2.2 TEST PROCEDURE

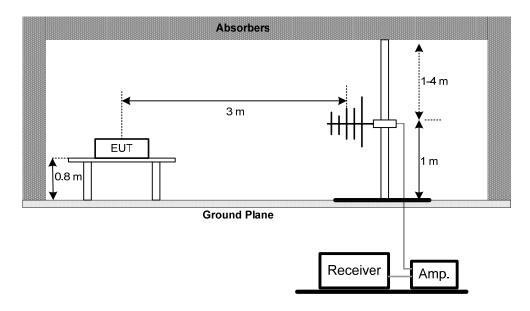
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. 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.
- d. 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.
- e. 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.
- f. 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

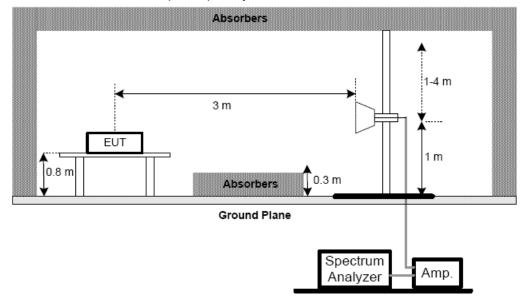
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



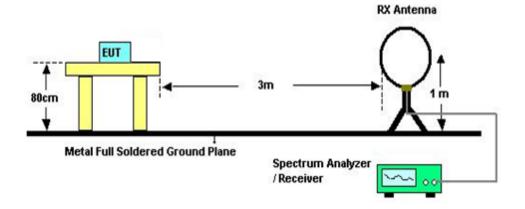
Report No.: BTL-FCCP-1-1411C072 Page 17 of 158



(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

Report No.: BTL-FCCP-1-1411C072 Page 18 of 158



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 (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.

Report No.: BTL-FCCP-1-1411C072 Page 19 of 158



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 PA				

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,
- h Spectrum Setting: RBW= 100KHz, VBW=300KHz, Sweep time = 2.5 ms.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

EUT	SPECTRUM
	ANALYZER

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.

Report No.: BTL-FCCP-1-1411C072 Page 20 of 158



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 v03r02.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

EUT	Power Meter

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.

Report No.: BTL-FCCP-1-1411C072 Page 21 of 158



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

EUT	SPECTRUM
	ANALYZER

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.

Report No.: BTL-FCCP-1-1411C072 Page 22 of 158



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

EUT	SPECTRUM
	ANALYZER

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.

Report No.: BTL-FCCP-1-1411C072 Page 23 of 158



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	
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. 29, 2015	
2	Amplifier	HP	8447D	2944A09673	Mar. 29, 2015	
3	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 30, 2015	
4	Test Cable	N/A	C-01_CB03	N/A	Jul. 01, 2015	
5	Controller	СТ	SC100	N/A	N/A	
6	Antenna	ETS	3115	00075789	Mar. 29, 2015	
7	Amplifier	Agilent	8449B	3008A02274	Mar. 29, 2015	
8	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 30, 2015	
9	Test Cable	HUBER+SUHNER	C-48	N/A	Apr. 30, 2015	
10	Controller	СТ	SC100	N/A	N/A	
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Feb. 22, 2015	
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Feb. 22, 2015	
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Mar. 29, 2015	
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A	

Report No.: BTL-FCCP-1-1411C072 Page 24 of 158



	6dB Bandwidth Measurement				
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

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. 02, 2015	

Power Spectral Density Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

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

All calibration period of equipment list is one year.

Report No.: BTL-FCCP-1-1411C072 Page 25 of 158



10. EUT TEST PHOTO

Conducted Measurement Photos





Report No.: BTL-FCCP-1-1411C072 Page 26 of 158



Radiated Measurement Photos

9KHz to 30MHz





Report No.: BTL-FCCP-1-1411C072 Page 27 of 158



Radiated Measurement Photos

30MHz to 1000MHz



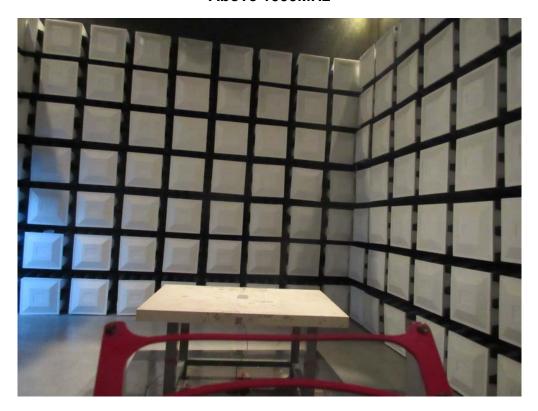


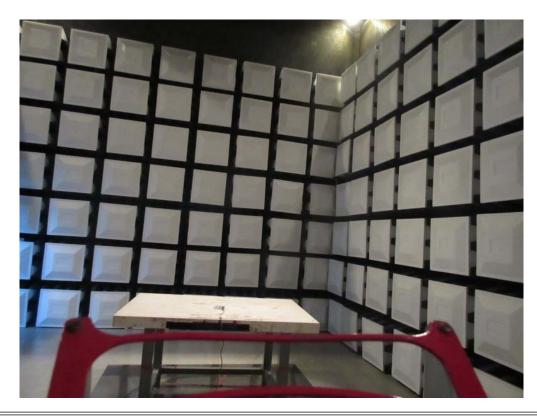
Report No.: BTL-FCCP-1-1411C072 Page 28 of 158



Radiated Measurement Photos

Above 1000MHz





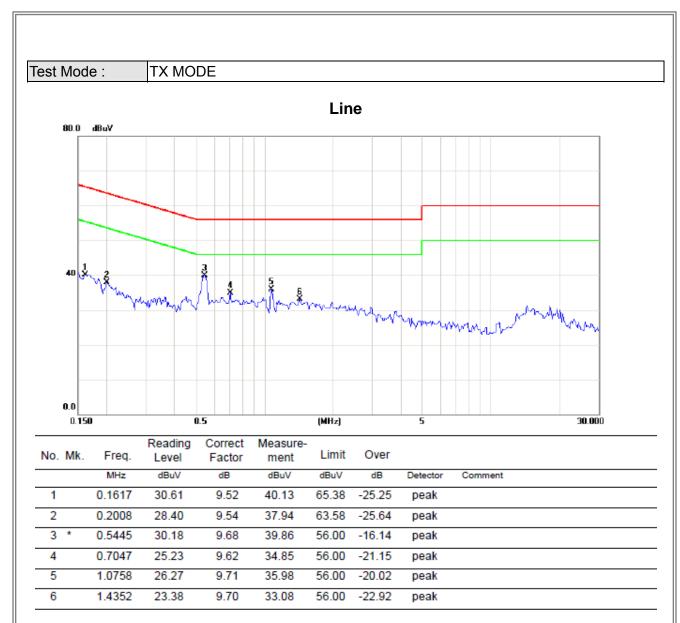
Report No.: BTL-FCCP-1-1411C072 Page 29 of 158



ATTACHMENT A - CONDUCTED EMISSION	

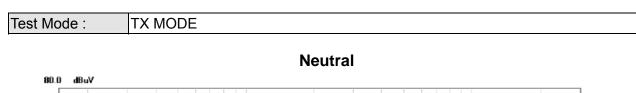
Report No.: BTL-FCCP-1-1411C072 Page 30 of 158

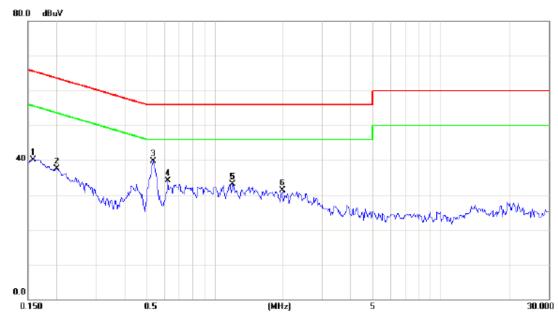




Report No.: BTL-FCCP-1-1411C072 Page 31 of 158



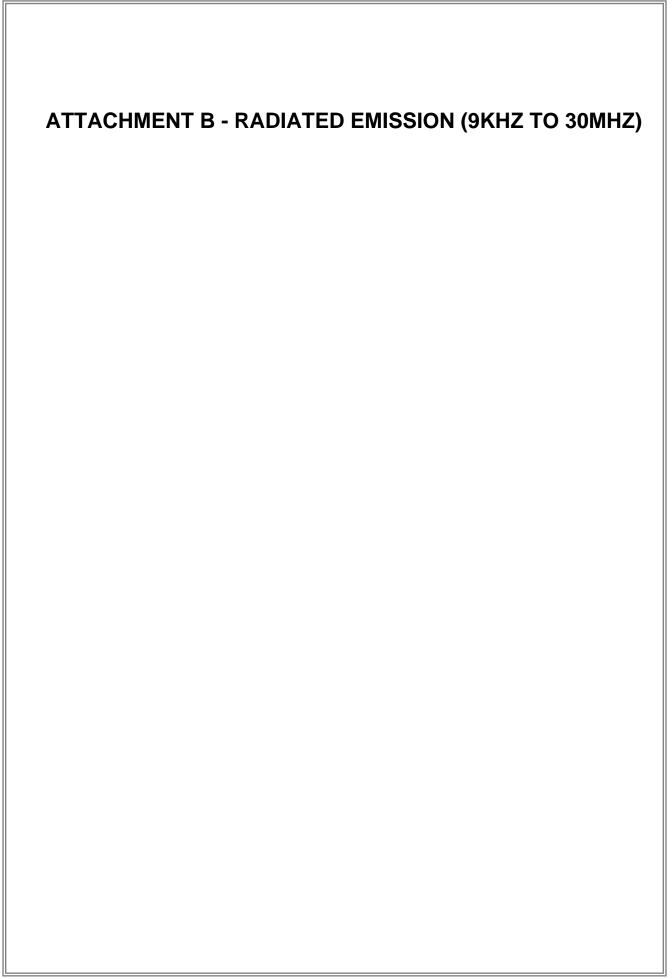




No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0.1590	30.56	9.63	40.19	65.52	-25.33	peak	
2	0.2008	27.98	9.61	37.59	63.58	-25.99	peak	
3 *	0.5367	30.04	9.64	39.68	56.00	-16.32	peak	
4	0.6266	24.37	9.65	34.02	56.00	-21.98	peak	
5	1.2086	23.37	9.68	33.05	56.00	-22.95	peak	
6	2.0016	21.54	9.74	31.28	56.00	-24.72	peak	

Report No.: BTL-FCCP-1-1411C072 Page 32 of 158





Report No.: BTL-FCCP-1-1411C072 Page 33 of 158



Test Mode: TX Mode 2412MHz

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit(QP) (dBuV/m)	Margin (dB)	Note
0.0159	0°	4.81	24.56	29.37	103.58	-74.21	AVG
0.0159	0°	10.30	24.56	34.86	123.58	-88.72	PEAK
0.0210	0°	6.12	24.24	30.36	101.16	-70.80	AVG
0.0210	0°	11.43	24.24	35.67	121.16	-85.49	PEAK
0.0346	0°	7.29	23.38	30.67	96.82	-66.16	AVG
0.0346	0°	13.91	23.38	37.29	116.82	-79.54	PEAK
0.0803	0°	11.94	21.79	33.73	89.51	-55.78	AVG
0.0803	0°	15.60	21.79	37.39	109.51	-72.12	PEAK
0.4183	0°	14.72	20.00	34.72	75.17	-40.46	QP
1.6728	0°	20.32	19.53	39.85	63.14	-23.28	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit(QP) (dBuV/m)	Margin (dB)	Note
0.0163	90°	5.31	24.30	29.61	123.36	-93.75	AVG
0.0163	90°	9.67	24.30	33.97	143.36	-109.39	PEAK
0.0200	90°	7.24	24.30	31.54	121.58	-90.04	AVG
0.0200	90°	11.59	24.30	35.89	141.58	-105.69	PEAK
0.0341	90°	9.78	23.41	33.19	116.95	-83.76	AVG
0.0341	90°	12.83	23.41	36.24	136.95	-100.71	PEAK
0.0965	90°	10.64	21.47	32.11	107.91	-75.80	AVG
0.0965	90°	14.92	21.47	36.39	127.91	-91.52	PEAK
0.4485	90°	15.36	19.92	35.28	94.57	-59.29	QP
1.5826	90°	20.75	19.54	40.29	63.62	-23.33	QP

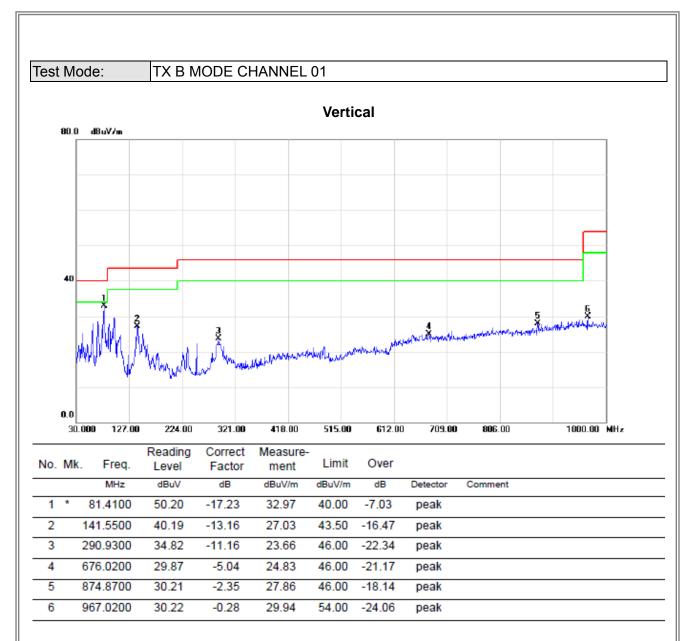
Report No.: BTL-FCCP-1-1411C072 Page 34 of 158



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

Report No.: BTL-FCCP-1-1411C072 Page 35 of 158



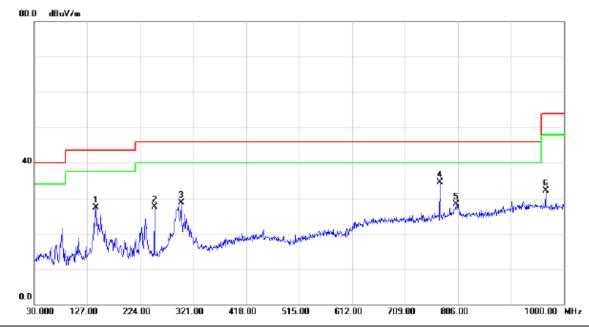


Report No.: BTL-FCCP-1-1411C072 Page 36 of 158





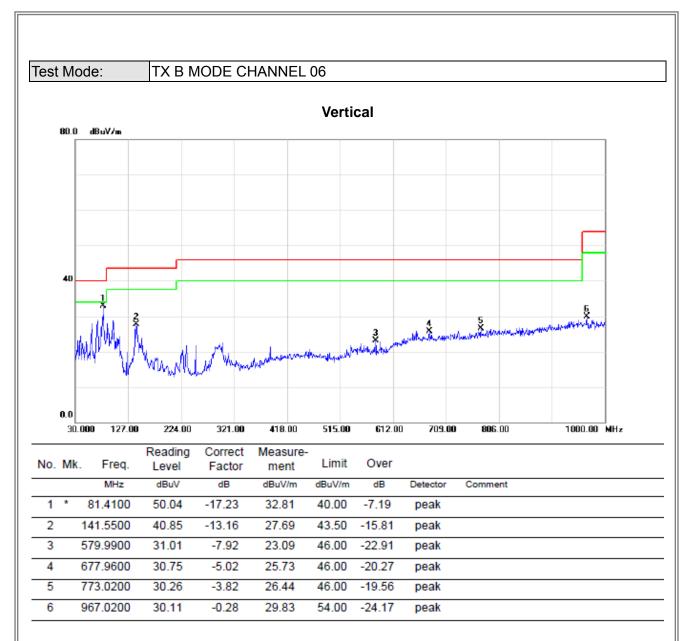
Horizontal



	No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
Ī			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1	1	143.4900	40.55	-13.17	27.38	43.50	-16.12	peak	
	2	2	250.1900	41.51	-14.02	27.49	46.00	-18.51	peak	
	3	2	299.6600	39.63	-10.99	28.64	46.00	-17.36	peak	
	4	* 7	773.0200	38.37	-3.82	34.55	46.00	-11.45	peak	
	5	8	302.1200	31.14	-2.90	28.24	46.00	-17.76	peak	
	6	9	967.0200	32.48	-0.28	32.20	54.00	-21.80	peak	

Report No.: BTL-FCCP-1-1411C072 Page 37 of 158



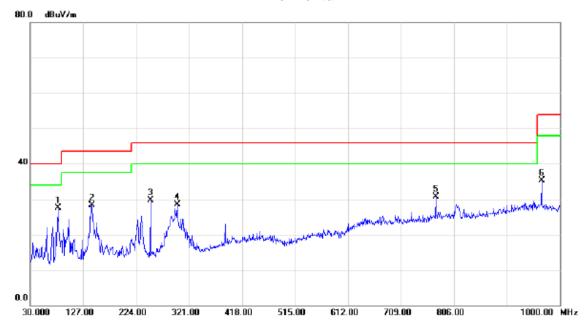


Report No.: BTL-FCCP-1-1411C072 Page 38 of 158





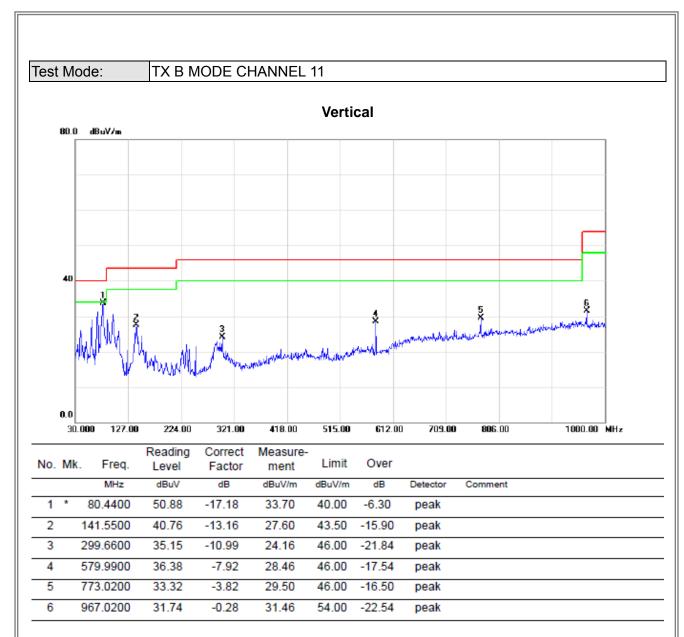
Horizontal



No.	Mk.	Freq.	Level	Factor	ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	81.4100	44.78	-17.23	27.55	40.00	-12.45	peak	
2		143.4900	41.56	-13.17	28.39	43.50	-15.11	peak	
3		250.1900	43.64	-14.02	29.62	46.00	-16.38	peak	
4		299.6600	39.44	-10.99	28.45	46.00	-17.55	peak	
5		773.0200	34.50	-3.82	30.68	46.00	-15.32	peak	
6	,	967.0200	35.62	-0.28	35.34	54.00	-18.66	peak	

Report No.: BTL-FCCP-1-1411C072 Page 39 of 158



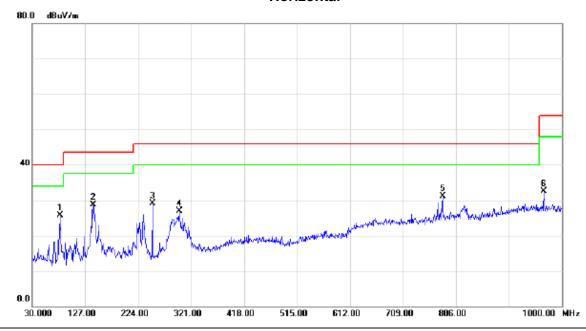


Report No.: BTL-FCCP-1-1411C072 Page 40 of 158



Test Mode: TX B MODE CHANNEL 11

Horizontal



No.	Mk	Freq.	Level	Factor	ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	81.4100	42.91	-17.23	25.68	40.00	-14.32	peak	
2		141.5500	41.84	-13.16	28.68	43.50	-14.82	peak	
3		250.1900	43.13	-14.02	29.11	46.00	-16.89	peak	
4		299.6600	37.91	-10.99	26.92	46.00	-19.08	peak	
5		781.7500	34.67	-3.52	31.15	46.00	-14.85	peak	
6		967.0200	32.88	-0.28	32.60	54.00	-21.40	peak	

Report No.: BTL-FCCP-1-1411C072 Page 41 of 158

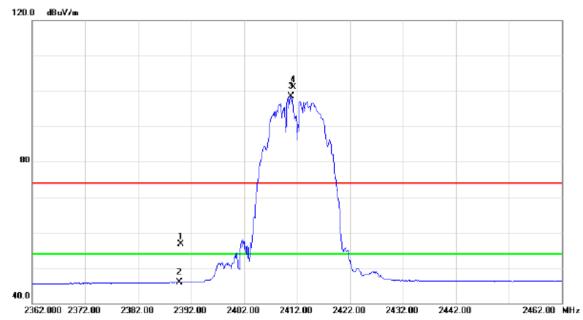


ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)	

Report No.: BTL-FCCP-1-1411C072 Page 42 of 158



Vertical



	No.	Mi	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over				
·			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment		
	1		2390.000	24.82	31.88	56.70	74.00	-17.30	peak			
	2		2390.000	13.94	31.88	45.82	54.00	-8.18	AVG			
	3	*	2410.900	66.55	31.91	98.46	54.00	44.46	AVG	no limit		
	4	Х	2411.200	69.15	31.91	101.06	74.00	27.06	peak	no limit		

Report No.: BTL-FCCP-1-1411C072 Page 43 of 158



Vertical



No.	М	k.	Freq.	Reading Level		Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	48	323.990	44.75	3.62	48.37	54.00	-5.63	AVG	
2		48	324.010	48.68	3.62	52.30	74.00	-21.70	peak	

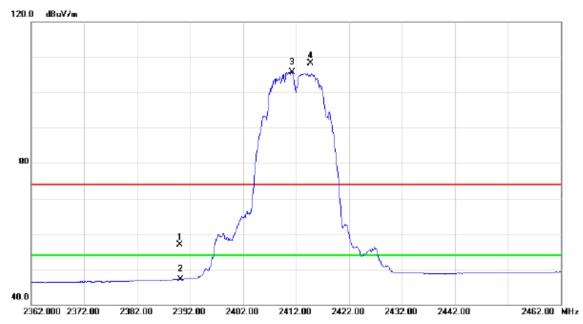
Report No.: BTL-FCCP-1-1411C072 Page 44 of 158



Orthogonal Axis: X

Test Mode: TX B MODE 2412MHz

Horizontal



	No.	M	c. Freq.	Level	Factor	ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
ľ	1		2390.000	24.95	31.88	56.83	74.00	-17.17	peak	
	2		2390.000	15.18	31.88	47.06	54.00	-6.94	AVG	
·	3	*	2411.200	73.87	31.91	105.78	54.00	51.78	AVG	no limit
	4	Х	2414.700	76.33	31.91	108.24	74.00	34.24	peak	no limit

Report No.: BTL-FCCP-1-1411C072 Page 45 of 158



Horizontal

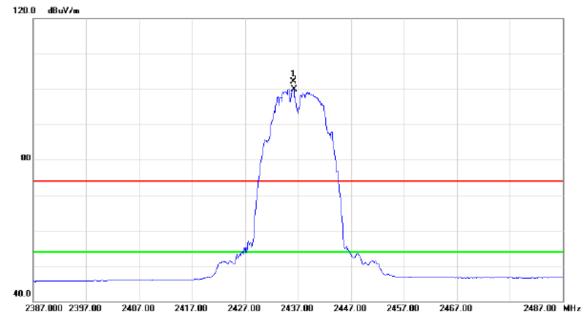


No.	М	k. Freq.	Reading Level		Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4823.990	42.40	3.62	46.02	54.00	-7.98	AVG	
2		4824.050	46.28	3.62	49.90	74.00	-24.10	peak	

Report No.: BTL-FCCP-1-1411C072 Page 46 of 158



Vertical

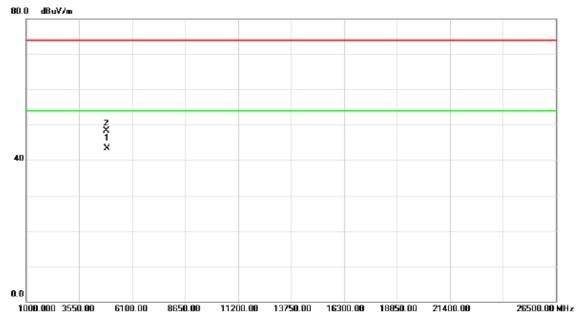


	No.	Mk	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
·	1	Х	2436.100	70.26	31.94	102.20	74.00	28.20	peak	no limit
·	2	*	2436.200	68.06	31.94	100.00	54.00	46.00	AVG	no limit

Report No.: BTL-FCCP-1-1411C072 Page 47 of 158



Vertical



No.	М	lk.	Freq.			Measure- ment		Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	48	373.925	39.65	3.72	43.37	54.00	-10.63	AVG	
2		48	373.995	44.61	3.72	48.33	74.00	-25.67	peak	

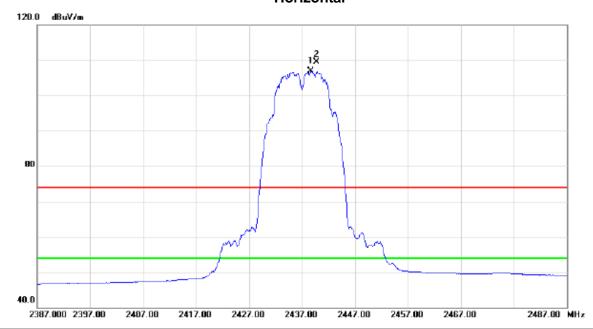
Report No.: BTL-FCCP-1-1411C072 Page 48 of 158



Orthogonal Axis: X

Test Mode: TX B MODE 2437MHz

Horizontal

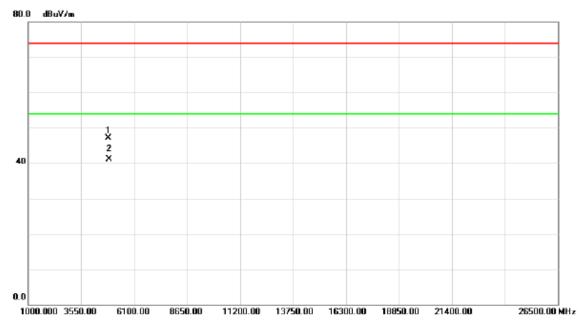


	No.	Mi	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
Ī			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
	1	*	2438.700	74.97	31.94	106.91	54.00	52.91	AVG	no limit	
	2	Х	2439.700	77.56	31.95	109.51	74.00	35.51	peak	no limit	

Report No.: BTL-FCCP-1-1411C072 Page 49 of 158



Horizontal

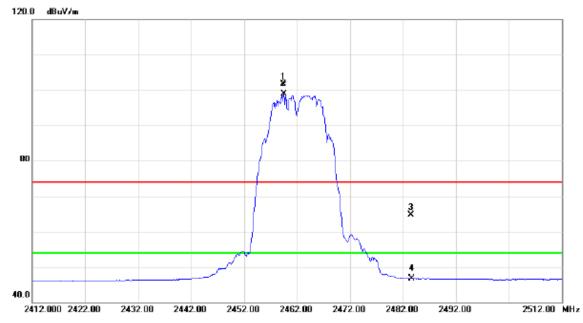


No	_	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1			4873.970	43.40	3.72	47.12	74.00	-26.88	peak	
2		*	4874.000	37.32	3.72	41.04	54.00	-12.96	AVG	

Report No.: BTL-FCCP-1-1411C072 Page 50 of 158



Vertical

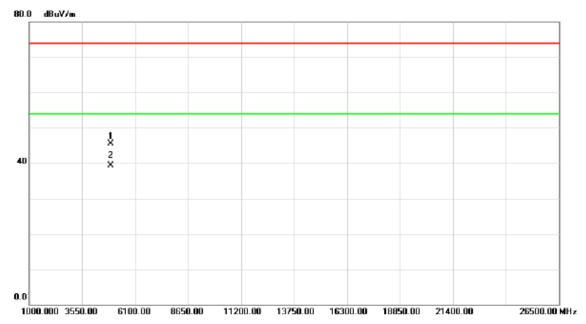


No.	М	k. Fre	Readii Leve	_			Over			
		MH	: dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	Х	2459.40	0 69.79	9 31.98	101.77	74.00	27.77	peak	no limit	
2	*	2459.50	0 66.8	5 31.98	98.83	54.00	44.83	AVG	no limit	
3		2483.50	0 32.6	7 32.01	64.68	74.00	-9.32	peak		
4		2483.50	0 14.64	4 32.01	46.65	54.00	-7.35	AVG		

Report No.: BTL-FCCP-1-1411C072 Page 51 of 158



Vertical



No.	. N	Иk.	Freq.	Reading Level		Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4	923.880	41.76	3.80	45.56	74.00	-28.44	peak	
2	*	4	924.020	35.58	3.80	39.38	54.00	-14.62	AVG	

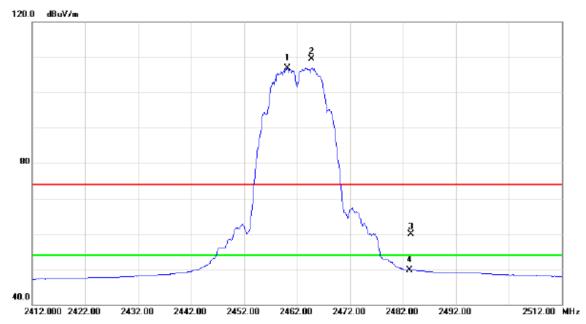
Report No.: BTL-FCCP-1-1411C072 Page 52 of 158



Orthogonal Axis: X

Test Mode: TX B MODE 2462MHz

Horizontal



No.	M	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	2460.200	74.98	31.98	106.96	54.00	52.96	AVG	no limit	
2	Х	2464.700	77.56	31.98	109.54	74.00	35.54	peak	no limit	
3		2483.500	27.82	32.01	59.83	74.00	-14.17	peak		
4		2483.500	17.76	32.01	49.77	54.00	-4.23	AVG		

Report No.: BTL-FCCP-1-1411C072 Page 53 of 158



Horizontal



No.	MI	k. Freq.		Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4924.020	33.40	3.80	37.20	54.00	-16.80	AVG	
2		4924.065	41.32	3.80	45.12	74.00	-28.88	peak	

Report No.: BTL-FCCP-1-1411C072 Page 54 of 158



2462.00 MHz

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

Vertical 120.0 dBuV/m 3 x 4 x

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	25.92	31.88	57.80	74.00	-16.20	peak	
2		2390.000	15.58	31.88	47.46	54.00	-6.54	AVG	
3	X	2413.300	71.50	31.91	103.41	74.00	29.41	peak	no limit
4	*	2419.300	61.75	31.92	93.67	54.00	39.67	AVG	no limit

2412.00

2422.00

2432.00

2442.00

40.0

2362.000 2372.00

2382.00

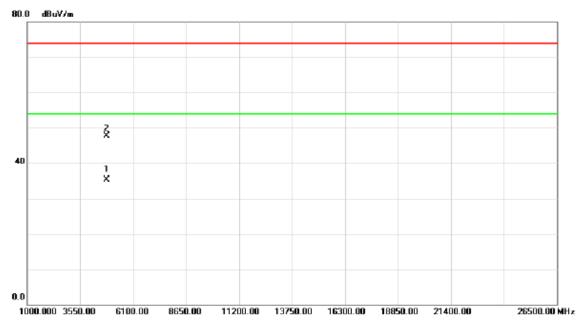
2392.00

2402.00

Report No.: BTL-FCCP-1-1411C072 Page 55 of 158



Vertical

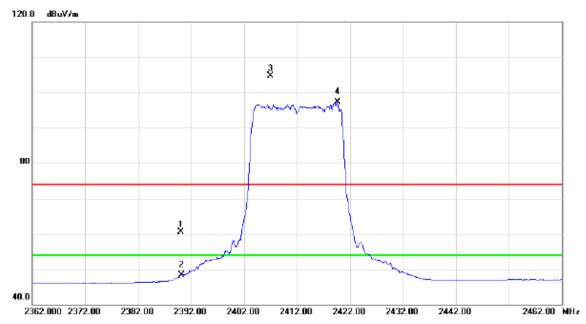


No.	М	k. Freq.		Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.015	31.69	3.62	35.31	54.00	-18.69	AVG	
2		4824.090	44.09	3.62	47.71	74.00	-26.29	peak	

Report No.: BTL-FCCP-1-1411C072 Page 56 of 158



Horizontal



	No.	M	c. Freq.	Level	Factor	measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
-	1		2390.000	28.68	31.88	60.56	74.00	-13.44	peak	
	2		2390.000	16.49	31.88	48.37	54.00	-5.63	AVG	
-	3	Х	2407.000	72.86	31.91	104.77	74.00	30.77	peak	no limit
	4	*	2419.600	65.46	31.92	97.38	54.00	43.38	AVG	no limit
-										

Report No.: BTL-FCCP-1-1411C072 Page 57 of 158



Horizontal

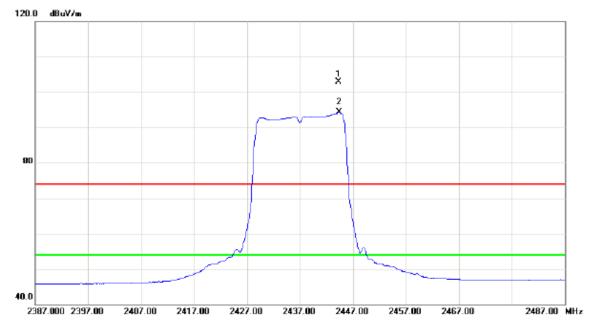


No.	М	k. Freq.		Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4824.040	31.87	3.62	35.49	54.00	-18.51	AVG	
2		4825.760	44.82	3.62	48.44	74.00	-25.56	peak	

Report No.: BTL-FCCP-1-1411C072 Page 58 of 158



Vertical

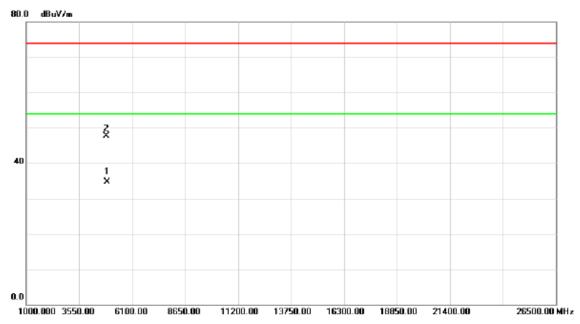


N	0.	Mk	. Freq.	Reading Level		Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1	Х	2444.300	70.98	31.96	102.94	74.00	28.94	peak	no limit
	2	*	2444.400	62.35	31.96	94.31	54.00	40.31	AVG	no limit

Report No.: BTL-FCCP-1-1411C072 Page 59 of 158



Vertical

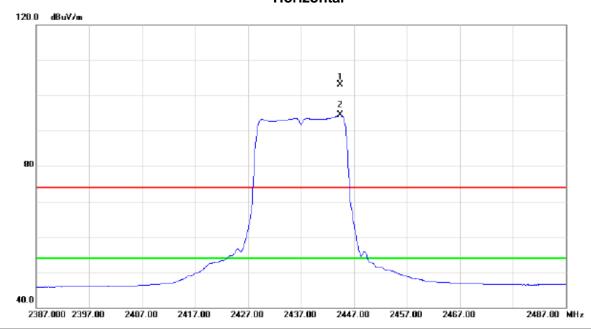


No.	MI	k. Freq.		Correct Factor	Measure- ment		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4873.935	31.02	3.72	34.74	54.00	-19.26	AVG	
2		4874.805	44.06	3.72	47.78	74.00	-26.22	peak	

Report No.: BTL-FCCP-1-1411C072 Page 60 of 158



Horizontal

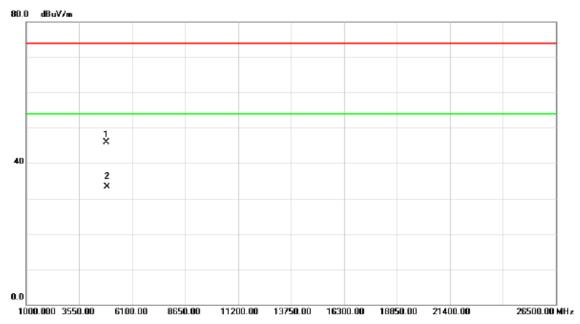


	No.	Mk	. Freq.	Reading Level	Factor Factor	Measure- ment	Limit	Over			
·			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
	1	Х	2444.400	71.16	31.96	103.12	74.00	29.12	peak	no limit	
	2	*	2444.400	62.53	31.96	94.49	54.00	40.49	AVG	no limit	

Report No.: BTL-FCCP-1-1411C072 Page 61 of 158



Horizontal



No	. 1	Mk.	Freq.		Correct Factor	Measure- ment		Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		-	4875.780	42.25	3.72	45.97	74.00	-28.03	peak	
2		* .	4875.890	29.56	3.72	33.28	54.00	-20.72	AVG	

Report No.: BTL-FCCP-1-1411C072 Page 62 of 158



2512.00 MHz

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

Vertical 120.0 dBuV/m 80 40.0

No.	М	k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	24	468.900	64.56	31.99	96.55	54.00	42.55	AVG	no limit
2	Х	24	469.400	75.05	31.99	107.04	74.00	33.04	peak	no limit
3		24	483.500	32.06	32.01	64.07	74.00	-9.93	peak	
4		24	483.500	18.38	32.01	50.39	54.00	-3.61	AVG	

2462.00

2472.00

2482.00

2492.00

2412.000 2422.00

2432.00

2442.00

2452.00

Report No.: BTL-FCCP-1-1411C072 Page 63 of 158



Vertical

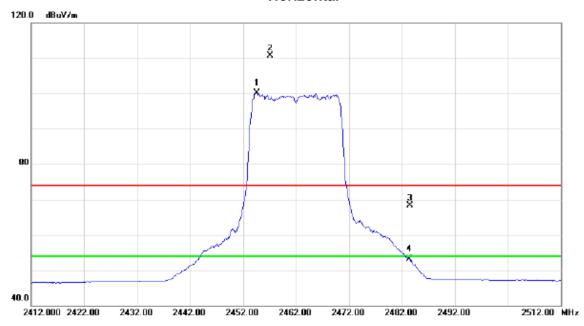


No.	М	k.	Freq.	Reading Level		Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	49	23.645	27.94	3.80	31.74	54.00	-22.26	AVG	
2		49	24.430	40.40	3.80	44.20	74.00	-29.80	peak	

Report No.: BTL-FCCP-1-1411C072 Page 64 of 158



Horizontal

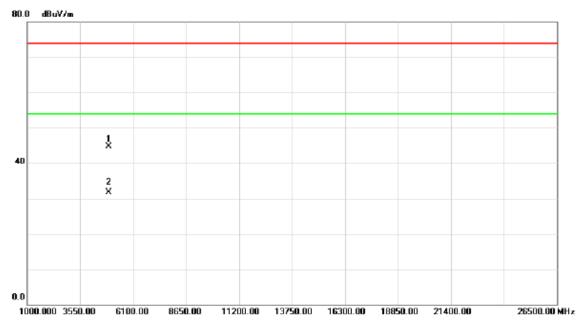


No.	Mk	. Freq.	Level	Factor	measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	2454.600	68.22	31.96	100.18	54.00	46.18	AVG	no limit	
2	Х	2457.100	78.66	31.98	110.64	74.00	36.64	peak	no limit	
3		2483.500	36.22	32.01	68.23	74.00	-5.77	peak		
4		2483.500	21.11	32.01	53.12	54.00	-0.88	AVG		

Report No.: BTL-FCCP-1-1411C072 Page 65 of 158



Horizontal

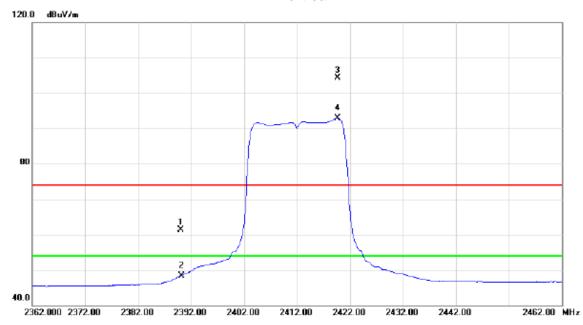


No.	. N	Лk.	Freq.	Reading Level		Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4	924.905	40.98	3.80	44.78	74.00	-29.22	peak	
2	*	4	925.845	27.99	3.80	31.79	54.00	-22.21	AVG	

Report No.: BTL-FCCP-1-1411C072 Page 66 of 158



Vertical



No.	M	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	29.41	31.88	61.29	74.00	-12.71	peak	
2		2390.000	16.38	31.88	48.26	54.00	-5.74	AVG	
3	Х	2419.600	72.41	31.92	104.33	74.00	30.33	peak	no limit
4	*	2419.700	60.95	31.92	92.87	54.00	38.87	AVG	no limit

Report No.: BTL-FCCP-1-1411C072 Page 67 of 158



Vertical

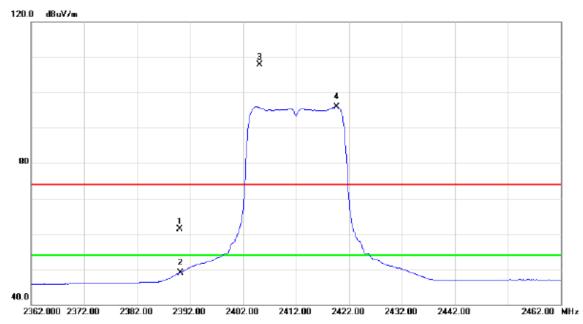


No.	M	ſk.	Freq.		Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	48	323.405	32.60	3.62	36.22	54.00	-17.78	AVG	
2		48	323.850	46.69	3.62	50.31	74.00	-23.69	peak	

Report No.: BTL-FCCP-1-1411C072 Page 68 of 158



Horizontal



	No.	M	c. Freq.	Level	Factor	measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1		2390.000	29.42	31.88	61.30	74.00	-12.70	peak	
	2		2390.000	17.02	31.88	48.90	54.00	-5.10	AVG	
	3	Х	2405.100	75.94	31.89	107.83	74.00	33.83	peak	no limit
	4	*	2419.600	64.08	31.92	96.00	54.00	42.00	AVG	no limit
-										

Report No.: BTL-FCCP-1-1411C072 Page 69 of 158



Horizontal

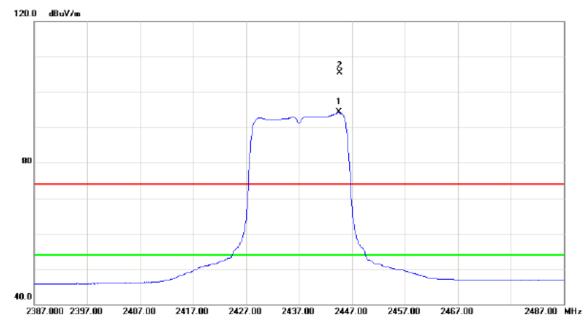


No.	. 1	Mk.	Freq.		Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1			4823.485	47.10	3.62	50.72	74.00	-23.28	peak	
2	1	*	4823.510	33.40	3.62	37.02	54.00	-16.98	AVG	

Report No.: BTL-FCCP-1-1411C072 Page 70 of 158



Vertical



No.	М	k.	Freq.	Reading Level		Measure- ment		Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	24	44.500	62.33	31.96	94.29	54.00	40.29	AVG	no limit
2	Х	24	44.600	73.55	31.96	105.51	74.00	31.51	peak	no limit

Report No.: BTL-FCCP-1-1411C072 Page 71 of 158



Vertical



	No.	М	k. F	req.		Correct Factor	Measure- ment	Limit	Over		
ľ			ı	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1		4873	.545	46.74	3.72	50.46	74.00	-23.54	peak	
	2	*	4873	.870	32.85	3.72	36.57	54.00	-17.43	AVG	

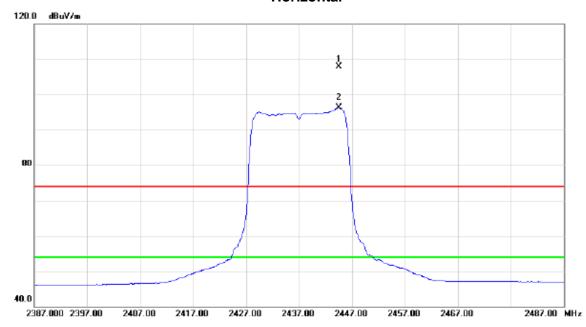
Report No.: BTL-FCCP-1-1411C072 Page 72 of 158



Orthogonal Axis: X

Test Mode: TX N-20M MODE 2437MHz

Horizontal



No.	М	k. Free		Correct Factor		Limit	Over			
		MHz	: dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	Х	2444.50	0 75.92	31.96	107.88	74.00	33.88	peak	no limit	
2	*	2444.50	0 64.34	31.96	96.30	54.00	42.30	AVG	no limit	_

Report No.: BTL-FCCP-1-1411C072 Page 73 of 158



Horizontal



No	. 1	Mk.	Freq.		Correct Factor	Measure- ment		Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1			4873.475	44.03	3.72	47.75	74.00	-26.25	peak	
2	,	*	4873.645	30.49	3.72	34.21	54.00	-19.79	AVG	

Report No.: BTL-FCCP-1-1411C072 Page 74 of 158



2512.00 MHz

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

Vertical 120.0 dBuV/m 2 x 3 x 40.0

No.	Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over				
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment		
1	*	2469.500	63.19	31.99	95.18	54.00	41.18	AVG	no limit		
2	Х	2469.600	74.51	31.99	106.50	74.00	32.50	peak	no limit		
3		2483.500	34.44	32.01	66.45	74.00	-7.55	peak			
4		2483.500	19.74	32.01	51.75	54.00	-2.25	AVG			

2462.00

2472.00

2482.00

2492.00

2412.000 2422.00

2432.00

2442.00

2452.00

Report No.: BTL-FCCP-1-1411C072 Page 75 of 158



Vertical

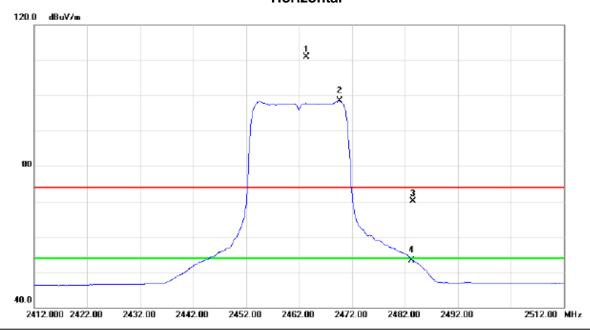


No.	М	k.	Freq.		Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	49	23.185	30.40	3.80	34.20	54.00	-19.80	AVG	
2		49	24.605	43.39	3.80	47.19	74.00	-26.81	peak	

Report No.: BTL-FCCP-1-1411C072 Page 76 of 158



Horizontal



	No.	Mk	. Freq.	Level	Factor	measure- ment	Limit	Over			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
	1	Х	2463.400	79.01	31.98	110.99	74.00	36.99	peak	no limit	
	2	*	2469.600	66.47	31.99	98.46	54.00	44.46	AVG	no limit	
·	3		2483.500	38.16	32.01	70.17	74.00	-3.83	peak		
	4		2483.500	21.35	32.01	53.36	54.00	-0.64	AVG		

Report No.: BTL-FCCP-1-1411C072 Page 77 of 158



Horizontal

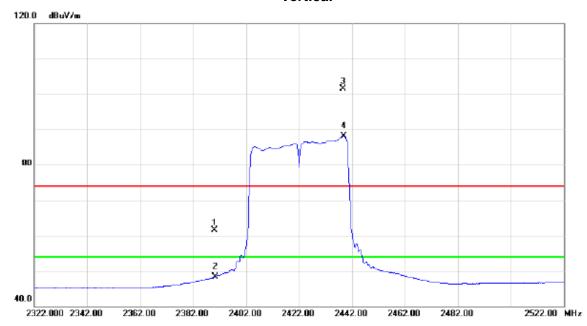


No.	M	Λk.	Freq.		Correct Factor	Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	49	923.265	28.62	3.80	32.42	54.00	-21.58	AVG	
2		49	923.740	41.16	3.80	44.96	74.00	-29.04	peak	

Report No.: BTL-FCCP-1-1411C072 Page 78 of 158



Vertical



	No.	М	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
ľ			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1		2390.000	29.54	31.88	61.42	74.00	-12.58	peak	
·	2		2390.000	16.33	31.88	48.21	54.00	-5.79	AVG	
·	3	Х	2438.600	69.61	31.94	101.55	74.00	27.55	peak	no limit
·	4	*	2438.800	56.09	31.94	88.03	54.00	34.03	AVG	no limit

Report No.: BTL-FCCP-1-1411C072 Page 79 of 158



Vertical

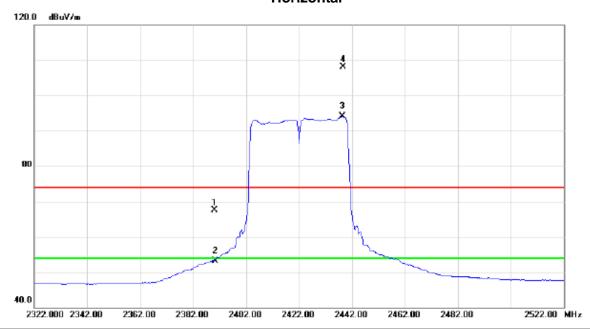


	No.	М	k. Freq.	Reading Level		Measure- ment	Limit	Over		
ľ			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1	*	4843.250	30.31	3.66	33.97	54.00	-20.03	AVG	
	2		4844.880	43.92	3.66	47.58	74.00	-26.42	peak	

Report No.: BTL-FCCP-1-1411C072 Page 80 of 158



Horizontal



	No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
·			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
	1		2390.000	35.70	31.88	67.58	74.00	-6.42	peak	
	2		2390.000	21.30	31.88	53.18	54.00	-0.82	AVG	
	3	*	2438.400	62.15	31.94	94.09	54.00	40.09	AVG	no limit
•	4	Х	2438.600	76.07	31.94	108.01	74.00	34.01	peak	no limit

Report No.: BTL-FCCP-1-1411C072 Page 81 of 158



Horizontal

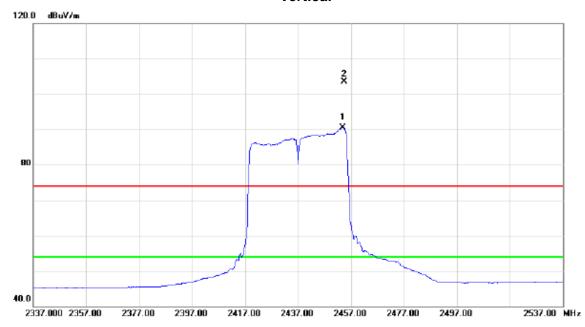


No.	М	k.	Freq.	Reading Level		Measure- ment	Limit	Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	484	3.600	30.07	3.66	33.73	54.00	-20.27	AVG	
2		484	4.205	43.94	3.66	47.60	74.00	-26.40	peak	

Report No.: BTL-FCCP-1-1411C072 Page 82 of 158



Vertical



	No.	Mk	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
•			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
·	1	*	2453.800	58.46	31.96	90.42	54.00	36.42	AVG	no limit
Ī	2	Х	2454.400	71.53	31.96	103.49	74.00	29.49	peak	no limit

Report No.: BTL-FCCP-1-1411C072 Page 83 of 158



Vertical



No.	MI	k. Freq.		Correct Factor	Measure- ment		Over		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4873.710	29.87	3.72	33.59	54.00	-20.41	AVG	
2		4874.565	44.69	3.72	48.41	74.00	-25.59	peak	

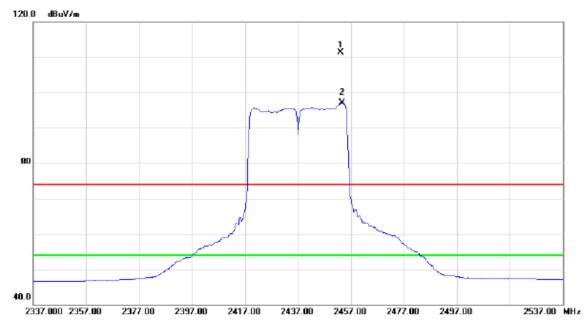
Report No.: BTL-FCCP-1-1411C072 Page 84 of 158



Orthogonal Axis: X

Test Mode: TX N-40M MODE 2437MHz

Horizontal

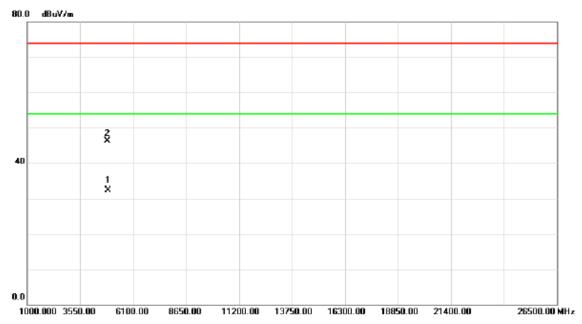


No.	М	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	Х	2453.200	79.30	31.96	111.26	74.00	37.26	peak	no limit	
2	*	2453.600	65.08	31.96	97.04	54.00	43.04	AVG	no limit	

Report No.: BTL-FCCP-1-1411C072 Page 85 of 158



Horizontal

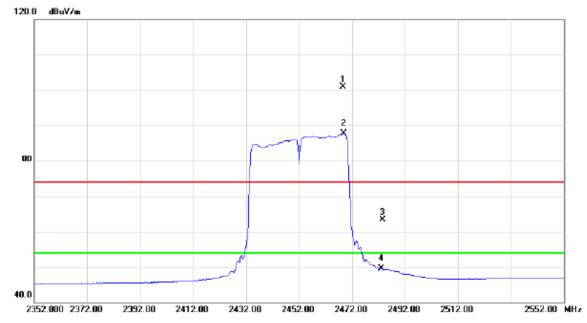


No.	М	k.	Freq.			Measure- ment		Over		
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	48	373.450	28.59	3.72	32.31	54.00	-21.69	AVG	
2		48	374.805	42.58	3.72	46.30	74.00	-27.70	peak	

Report No.: BTL-FCCP-1-1411C072 Page 86 of 158



Vertical

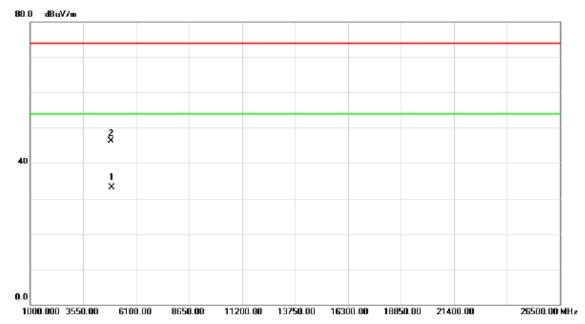


No.	М	k. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	Х	2468.600	69.00	31.98	100.98	74.00	26.98	peak	no limit	
2	*	2468.800	55.77	31.99	87.76	54.00	33.76	AVG	no limit	
3		2483.500	31.30	32.01	63.31	74.00	-10.69	peak		
4		2483.500	17.42	32.01	49.43	54.00	-4.57	AVG		

Report No.: BTL-FCCP-1-1411C072 Page 87 of 158



Vertical

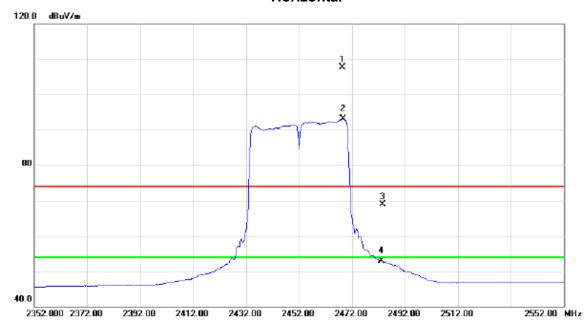


No.	М	k. Fre		g Correct Factor		Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4903.25	5 29.30	3.77	33.07	54.00	-20.93	AVG		
2		4903.76	0 42.59	3.77	46.36	74.00	-27.64	peak		

Report No.: BTL-FCCP-1-1411C072 Page 88 of 158



Horizontal



No.	Mk	. Freq.	Level	Factor	measure- ment	Limit	Over			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	Х	2468.400	75.81	31.98	107.79	74.00	33.79	peak	no limit	
2	*	2468.600	61.07	31.98	93.05	54.00	39.05	AVG	no limit	
3		2483.500	36.97	32.01	68.98	74.00	-5.02	peak		
4		2483.500	20.85	32.01	52.86	54.00	-1.14	AVG		

Report No.: BTL-FCCP-1-1411C072 Page 89 of 158



Horizontal



No.	М	k. Fi	req.		Correct Factor	Measure- ment	Limit	Over		
		M	lHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4903.	900	28.00	3.77	31.77	54.00	-22.23	AVG	
2		4904.	185	41.33	3.77	45.10	74.00	-28.90	peak	

Report No.: BTL-FCCP-1-1411C072 Page 90 of 158



ATTACHMENT E - BANDWIDTH

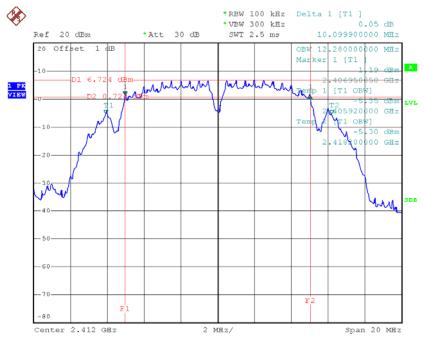
Report No.: BTL-FCCP-1-1411C072 Page 91 of 158



Test Mode: TX B Mode_CH01/06/11

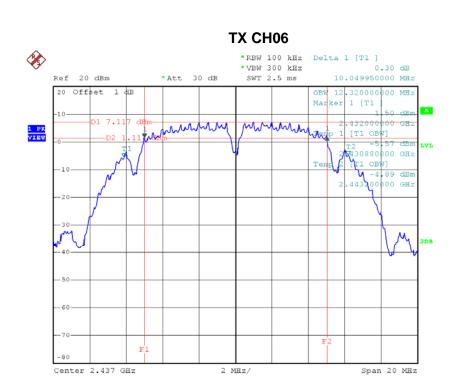
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.10	12.28	500	Complies
2437	10.05	12.32	500	Complies
2462	10.05	12.32	500	Complies

TX CH01

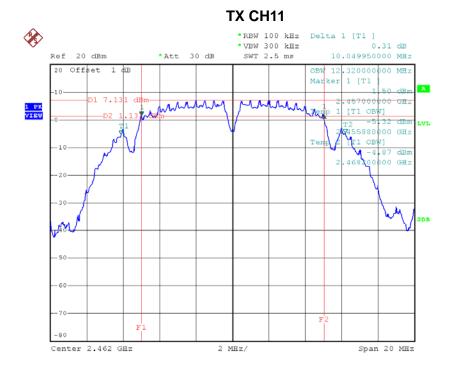


Date: 24.Nov.2014 15:49:00





Date: 24.NOV.2014 15:50:58



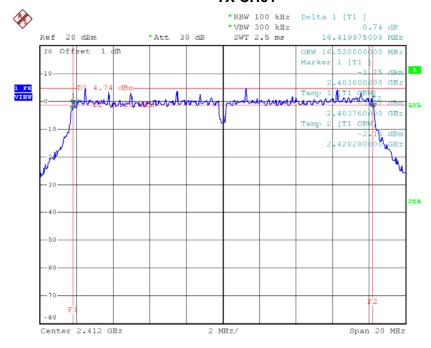
Date: 24.NOV.2014 15:52:28



Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.42	16.52	500	Complies
2437	16.22	16.48	500	Complies
2462	16.41	16.52	500	Complies

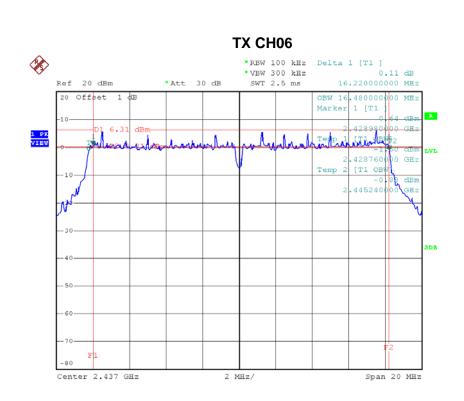
TX CH01



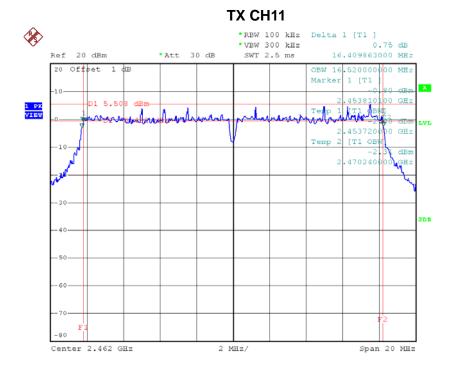
Date: 24.NOV.2014 16:02:16

Report No.: BTL-FCCP-1-1411C072 Page 94 of 158





Date: 24.NOV.2014 16:04:05



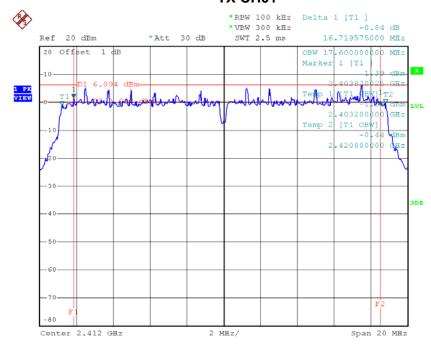
Date: 24.NOV.2014 16:05:44



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

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.72	17.60	500	Complies
2437	17.36	17.60	500	Complies
2462	17.34	17.60	500	Complies

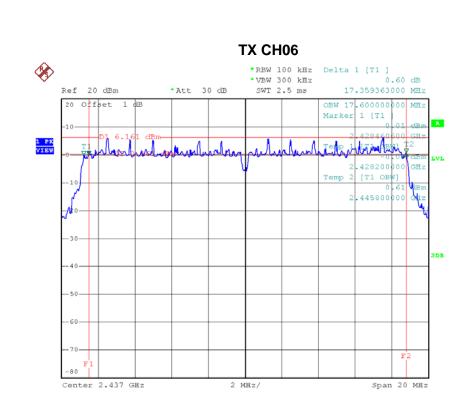
TX CH01



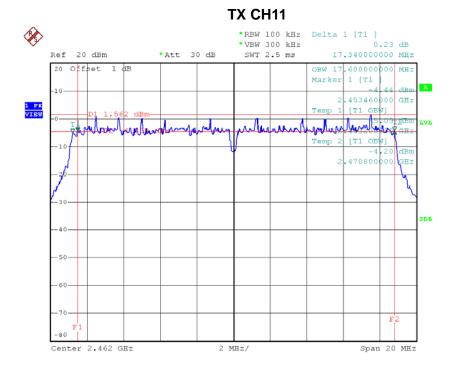
Date: 24.NOV.2014 16:16:29

Report No.: BTL-FCCP-1-1411C072 Page 96 of 158





Date: 24.NOV.2014 16:18:02



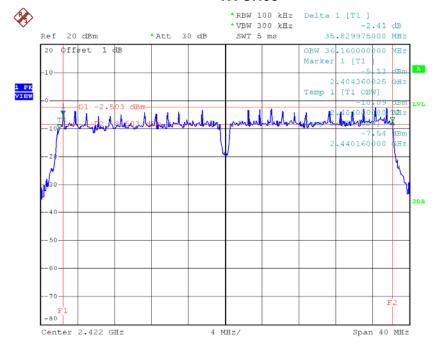
Date: 24.NOV.2014 16:20:00



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

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.83	36.16	500	Complies
2437	35.80	36.16	500	Complies
2452	36.00	36.16	500	Complies

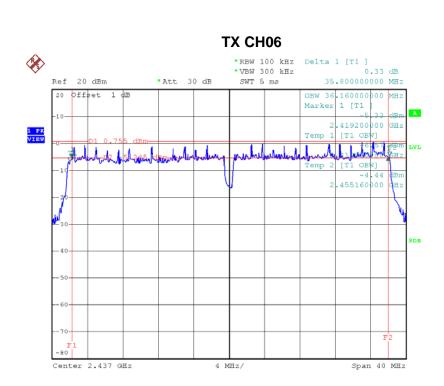
TX CH03



Date: 24.Nov.2014 16:30:58

Report No.: BTL-FCCP-1-1411C072 Page 98 of 158





Date: 24.NOV.2014 16:32:41

Date: 24.NOV.2014 16:34:32



ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

Report No.: BTL-FCCP-1-1411C072 Page 100 of 158



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

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	22.86	0.19	30.00	1.00	Complies
2437	23.43	0.22	30.00	1.00	Complies
2462	23.47	0.22	30.00	1.00	Complies

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

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	14.85	0.03	30.00	1.00	Complies
2437	14.05	0.03	30.00	1.00	Complies
2462	16.65	0.05	30.00	1.00	Complies

Test Mode :TX B Mode_CH01/06/11_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	23.50	0.22	30.00	1.00	Complies
2437	23.90	0.25	30.00	1.00	Complies
2462	24.29	0.27	30.00	1.00	Complies

Report No.: BTL-FCCP-1-1411C072 Page 101 of 158



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

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	25.61	0.36	30.00	1.00	Complies
2437	26.40	0.44	30.00	1.00	Complies
2462	25.94	0.39	30.00	1.00	Complies

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

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	17.31	0.05	30.00	1.00	Complies
2437	17.11	0.05	30.00	1.00	Complies
2462	19.52	0.09	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11_Total

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	26.21	0.42	30.00	1.00	Complies
2437	26.88	0.49	30.00	1.00	Complies
2462	26.83	0.48	30.00	1.00	Complies

Report No.: BTL-FCCP-1-1411C072 Page 102 of 158



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	26.18	0.41	30.00	1.00	Complies
2437	26.74	0.47	30.00	1.00	Complies
2462	22.01	0.16	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	18.65	0.07	30.00	1.00	Complies
2437	18.64	0.07	30.00	1.00	Complies
2462	20.26	0.11	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	26.89	0.49	30.00	1.00	Complies
2437	27.37	0.55	30.00	1.00	Complies
2462	24.23	0.27	30.00	1.00	Complies

Report No.: BTL-FCCP-1-1411C072 Page 103 of 158



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	20.53	0.11	30.00	1.00	Complies
2437	23.24	0.21	30.00	1.00	Complies
2452	21.48	0.14	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	21.03	0.13	30.00	1.00	Complies
2437	23.42	0.22	30.00	1.00	Complies
2452	18.96	0.08	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	23.80	0.24	30.00	1.00	Complies
2437	26.34	0.43	30.00	1.00	Complies
2452	23.41	0.22	30.00	1.00	Complies

Report No.: BTL-FCCP-1-1411C072 Page 104 of 158



ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

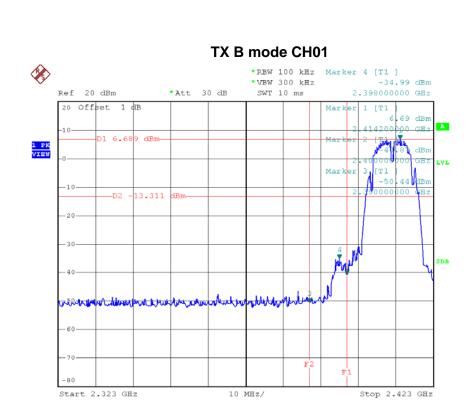
Report No.: BTL-FCCP-1-1411C072 Page 105 of 158



TX B Mode_ANT 1		

Report No.: BTL-FCCP-1-1411C072





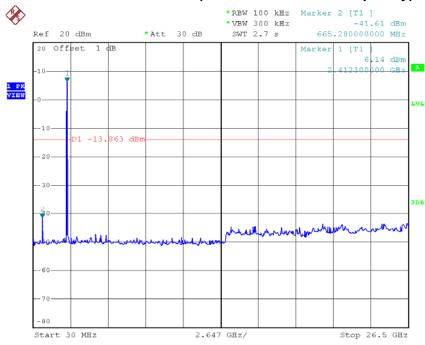


TX B mode CH11 *RBW 100 kHz Marker 4 [T1] -46.67 dBm *VBW 300 kHz *Att 30 dB 2.513200000 GHz Ref 20 dBm SWT 10 ms 20 Offset 1 dB 6 98 dBm 1 PK VIEW -47,15 dBm 483500 000 GHz Marker 3 [T1 -50 500000000 GH: -20--80 Start 2.448 GHz 10 MHz/ Stop 2.548 GHz

Date: 24.NOV.2014 15:52:50

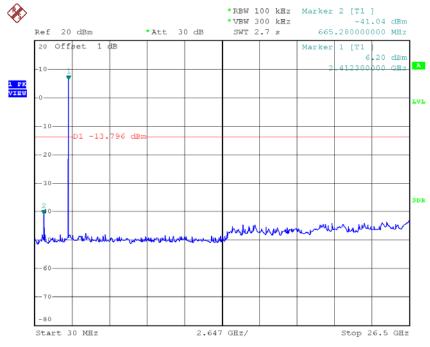






Date: 24.NOV.2014 15:49:14

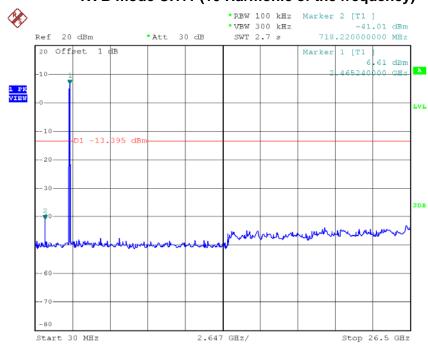
TX B mode CH06 (10 Harmonic of the frequency)



Date: 24.NOV.2014 15:51:12





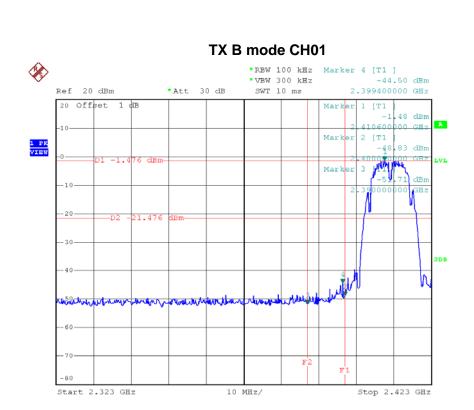


Date: 24.NOV.2014 15:52:43



Test Mode :	TX B Mode_ANT 2





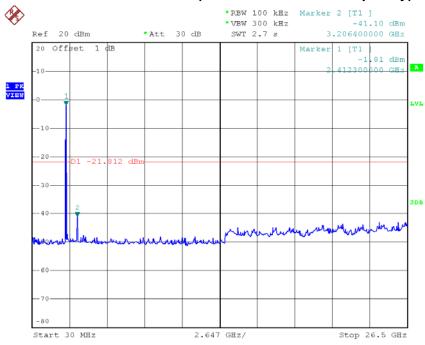
Date: 24.NOV.2014 15:55:45

TX B mode CH11 *RBW 100 kHz Marker 4 [T1] -46.42 dBm *VBW 300 kHz Ref 20 dBm *Att 30 dB 2.484000000 GHz SWT 10 ms 20 Offset 1 dB 0 57 dBm Marker 2 [T1 1 PK VIEW -49,96 dBr 483500000 GHz Marker 3 [T1 | -51.08 dBm 500000000 GHz -80 Start 2.448 GHz Stop 2.548 GHz 10 MHz/

Date: 24.Nov.2014 15:59:18

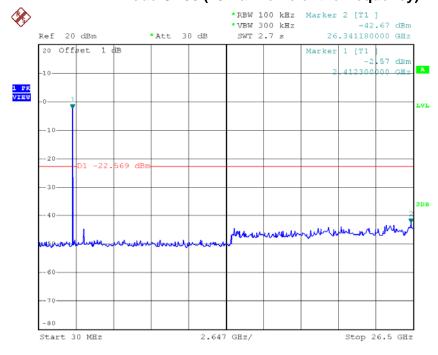






Date: 24.NOV.2014 15:55:37

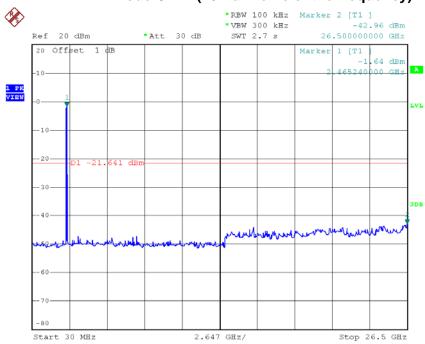
TX B mode CH06 (10 Harmonic of the frequency)



Date: 24.NOV.2014 15:57:06





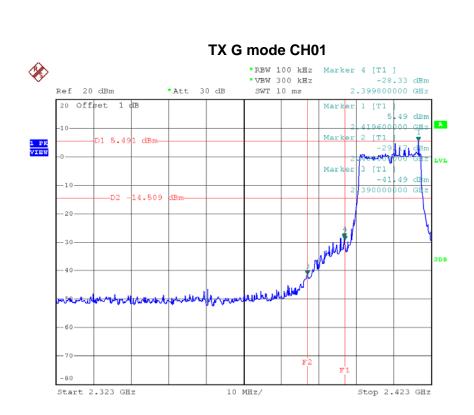


Date: 24.Nov.2014 15:59:11

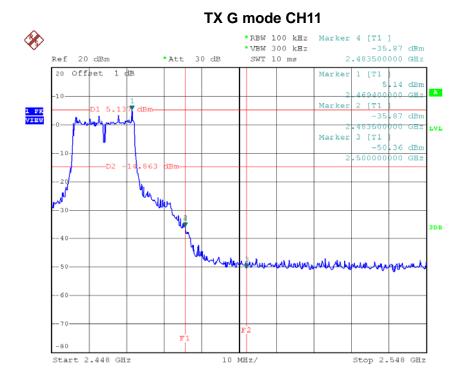


est Mode :	TX G Mode_ANT 1	





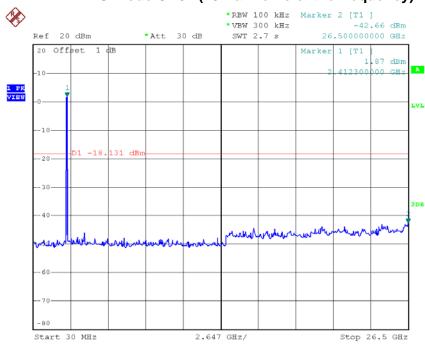
Date: 24.NOV.2014 16:02:37



Date: 24.Nov.2014 16:06:05

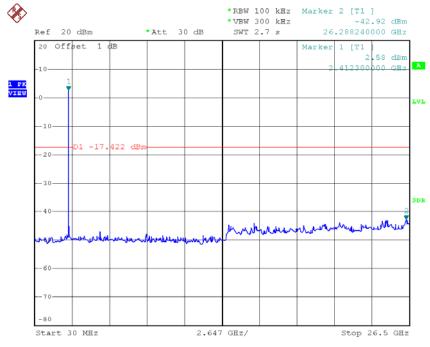






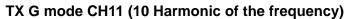
Date: 24.NOV.2014 16:02:30

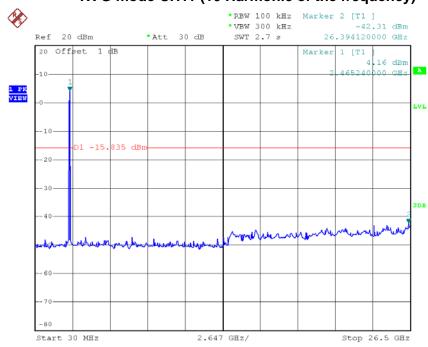
TX G mode CH06 (10 Harmonic of the frequency)



Date: 24.NOV.2014 16:04:19







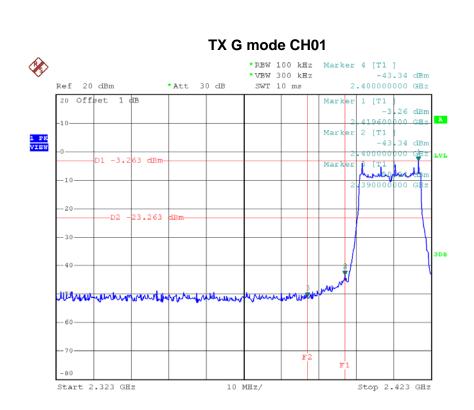
Date: 24.NOV.2014 16:05:58

Report No.: BTL-FCCP-1-1411C072 Page 117 of 158



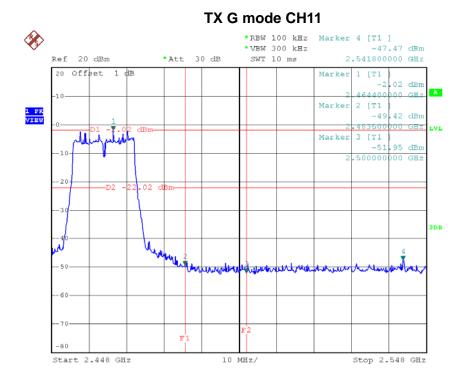
Test Mode:	TX G Mode_ANT 2





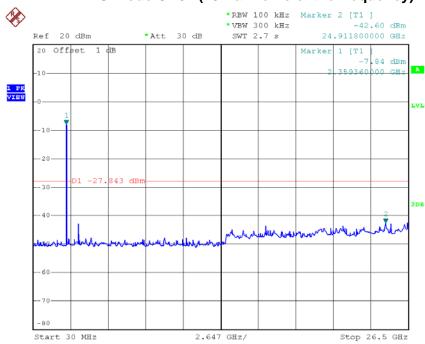
Date: 24.NOV.2014 16:08:30

Date: 24.NOV.2014 16:12:11



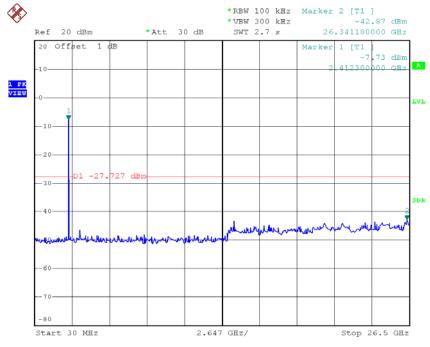






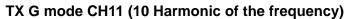
Date: 24.NOV.2014 16:08:23

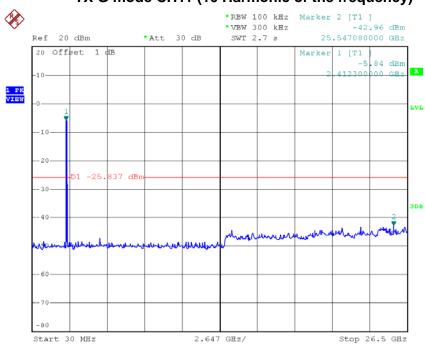
TX G mode CH06 (10 Harmonic of the frequency)



Date: 24.NOV.2014 16:10:00







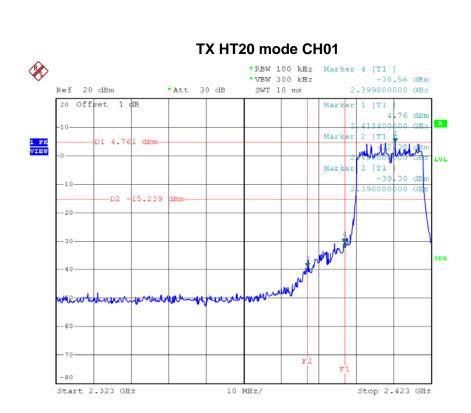
Date: 24.NOV.2014 16:12:04

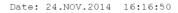
Report No.: BTL-FCCP-1-1411C072 Page 121 of 158



Test Mode :	TX N-20M Mode_ANT 1





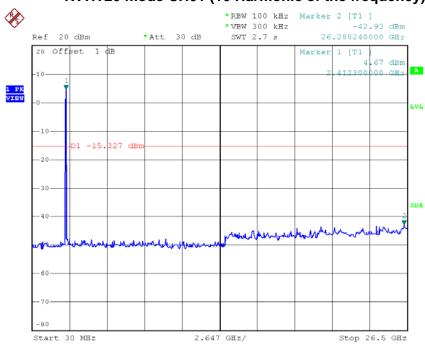


TX HT20 mode CH11 *RBW 100 kHz Marker 4 [T1] -44.58 dBm 2.483500000 GHz *VBW 300 kHz Ref 20 dBm *Att 30 dB SWT 10 ms 20 Offset 1 dB Marker 1 [T1 1 30 dBm 469400000 GHz Marker 2 [T1] 1 PK VIEW -44.58 dBm 483500 000 GHz Marker 3 [T1 -50.68 dBm 500000000 GHz -80 Start 2.448 GHz Stop 2.548 GHz 10 MHz/

Date: 24.NOV.2014 16:20:21

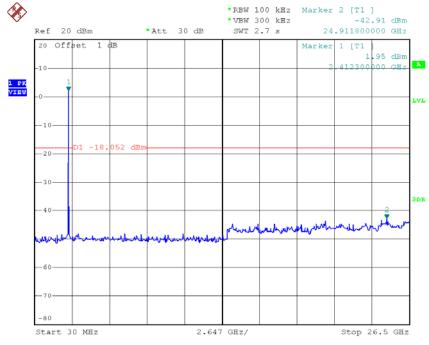






Date: 24.NOV.2014 16:16:43

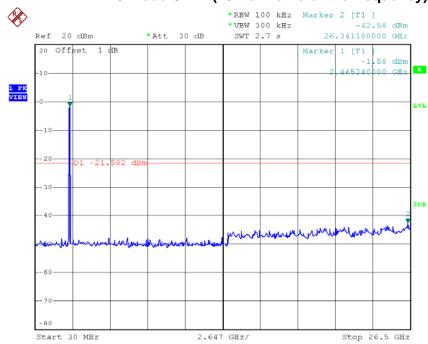
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 24.NOV.2014 16:18:16







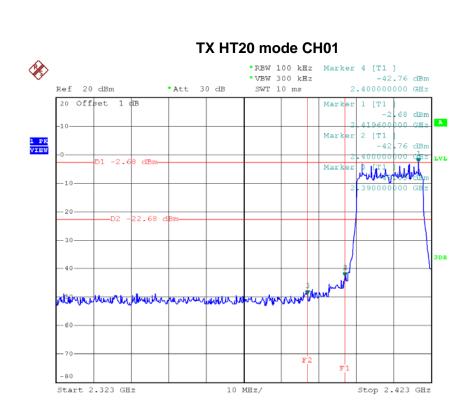
Date: 24.NOV.2014 16:20:14

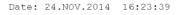
Report No.: BTL-FCCP-1-1411C072 Page 125 of 158



Test Mode:	TX N-20M Mode_ANT 2





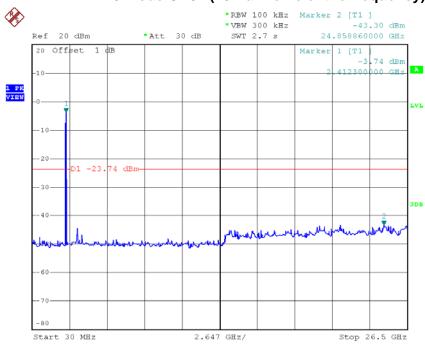


TX HT20 mode CH11 *RBW 100 kHz Marker 4 [T1] *VBW 300 kHz -47.39 clBm Ref 20 dBm 2.483800000 GHz *Att 30 dB SWT 10 ms 20 Offset 1 dB Marker 1 [T1 -0 32 dBm 2 [T1 1 PK VIEW -49.23 dBn 483500 Marker 3 [T1 | -50.52 dBm -80 Start 2.448 GHz Stop 2.548 GHz 10 MHz/

Date: 24.NOV.2014 16:27:09

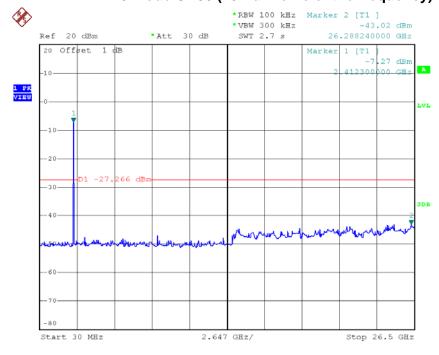






Date: 24.NOV.2014 16:23:32

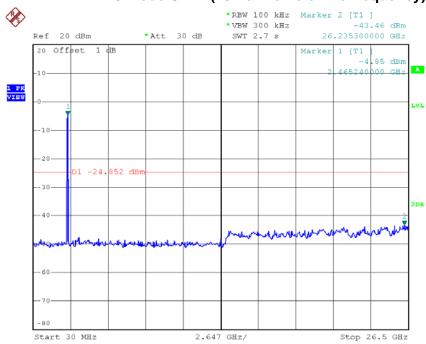
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 24.NOV.2014 16:25:14







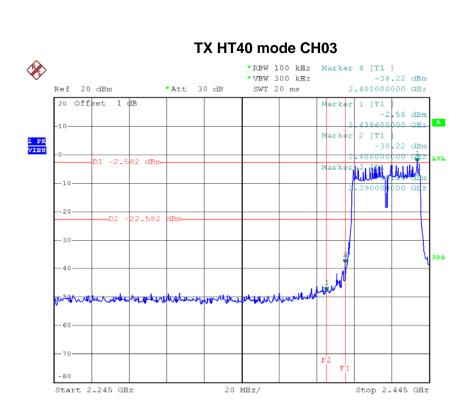
Date: 24.NOV.2014 16:27:01

Report No.: BTL-FCCP-1-1411C072 Page 129 of 158



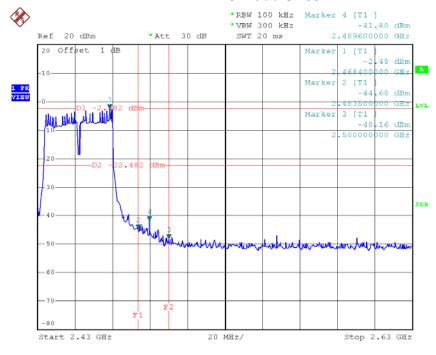
Total Mode v	TV NI 40M Mada ANT 4
Test Mode :	TX N-40M Mode_ANT 1





Date: 24.NOV.2014 16:31:19

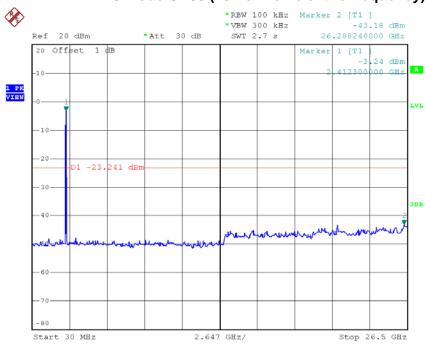
TX HT40 mode CH09



Date: 24.NOV.2014 16:34:54

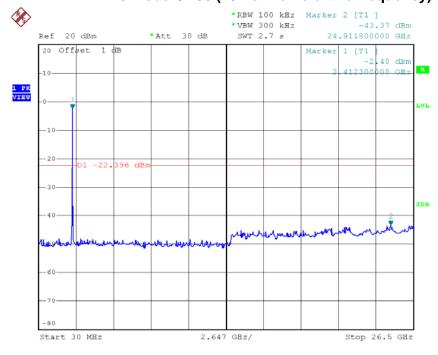






Date: 24.NOV.2014 16:31:12

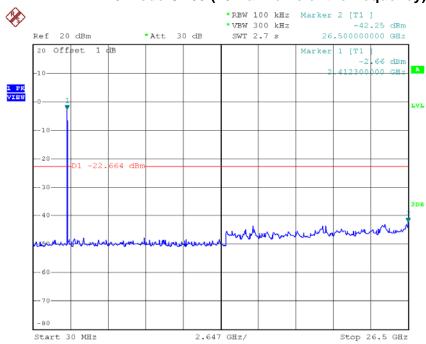
TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 24.NOV.2014 16:32:55



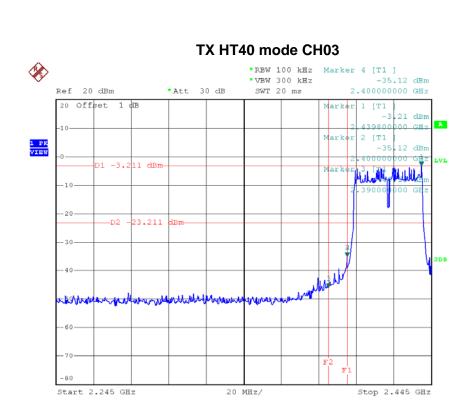




Date: 24.NOV.2014 16:34:46

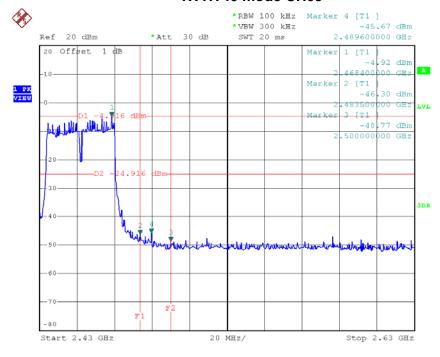






Date: 24.NOV.2014 16:37:21

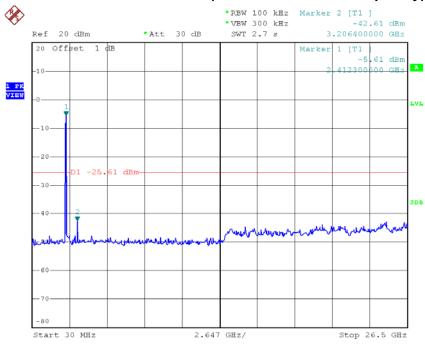
TX HT40 mode CH09



Date: 24.NOV.2014 16:41:28

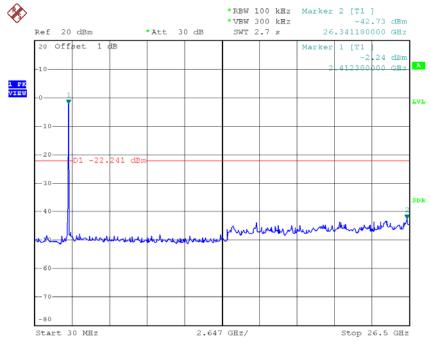






Date: 24.NOV.2014 16:37:13

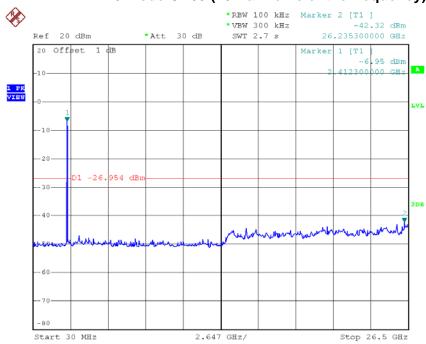
TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 24.NOV.2014 16:39:12







Date: 24.NOV.2014 16:41:21

Report No.: BTL-FCCP-1-1411C072 Page 137 of 158



ATTACHMENT H - POWER SPECTRAL DENSITY					

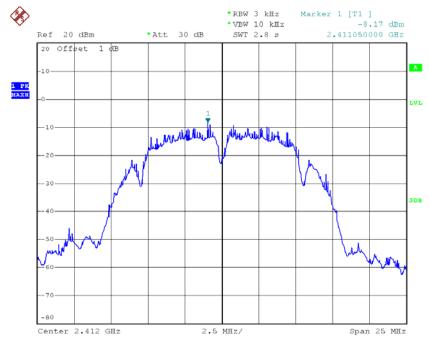
Report No.: BTL-FCCP-1-1411C072 Page 138 of 158



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

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-8.17	0.15	8.00	Complies
2437	-7.37	0.18	8.00	Complies
2462	-7.74	0.17	8.00	Complies

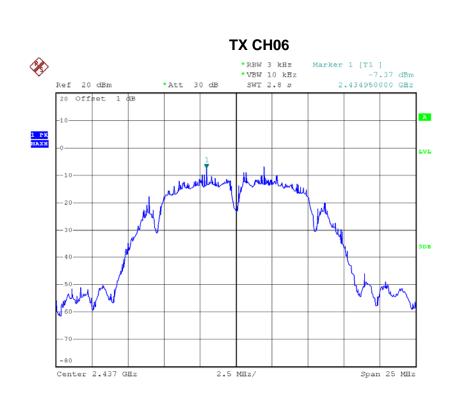
TX CH01



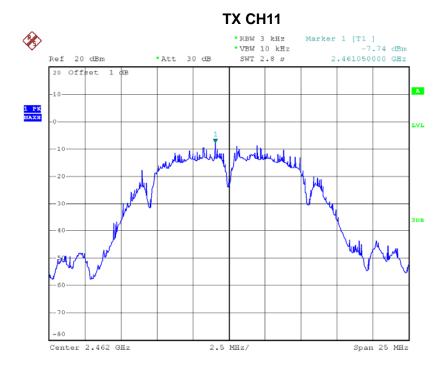
Date: 24.NOV.2014 17:02:29

Report No.: BTL-FCCP-1-1411C072 Page 139 of 158





Date: 24.NOV.2014 17:05:34



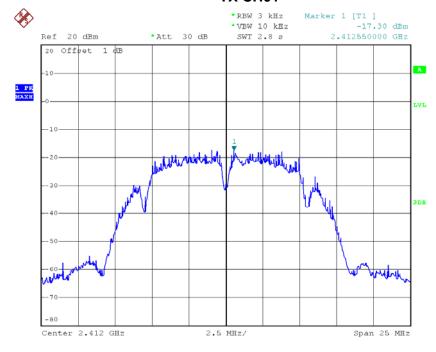
Date: 24.NOV.2014 17:13:26



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

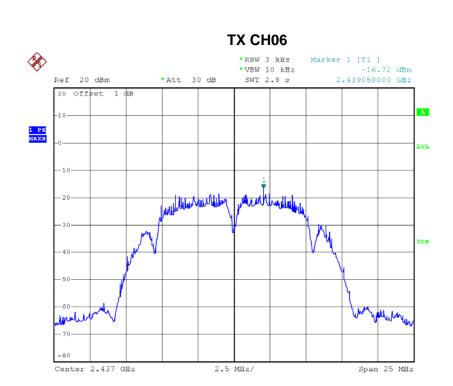
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-17.30	0.02	8.00	Complies
2437	-16.72	0.02	8.00	Complies
2462	-14.00	0.04	8.00	Complies

TX CH01



Date: 24.NOV.2014 16:59:49





Date: 24.NOV.2014 17:07:47

Date: 24.NOV.2014 17:10:52



Test Mode :TX B Mode_CH01/06/11_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-7.67	0.17	8.00	Complies
2437	-6.89	0.20	8.00	Complies
2462	-6.82	0.21	8.00	Complies

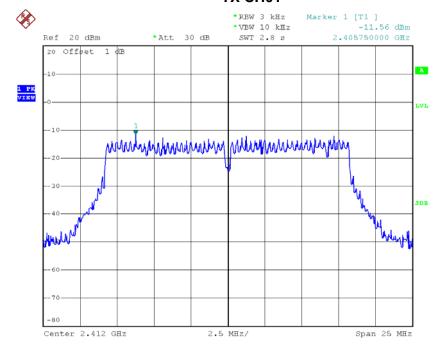
Report No.: BTL-FCCP-1-1411C072 Page 143 of 158



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

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.56	0.07	8.00	Complies
2437	-11.11	0.08	8.00	Complies
2462	-11.86	0.07	8.00	Complies

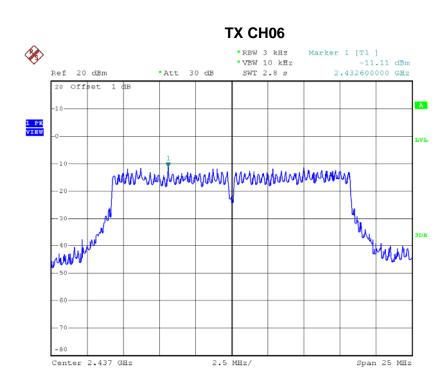
TX CH01



Date: 24.NOV.2014 16:02:46

Report No.: BTL-FCCP-1-1411C072 Page 144 of 158





Date: 24.NOV.2014 16:04:28

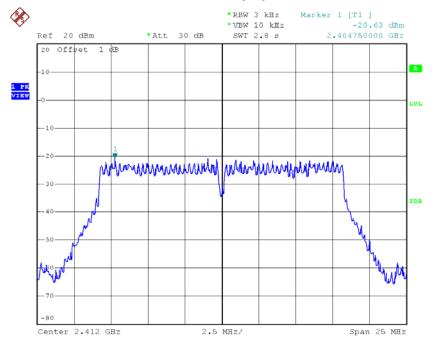
Date: 24.NOV.2014 16:06:14



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

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-20.63	0.01	8.00	Complies
2437	-19.77	0.01	8.00	Complies
2462	-18.07	0.02	8.00	Complies

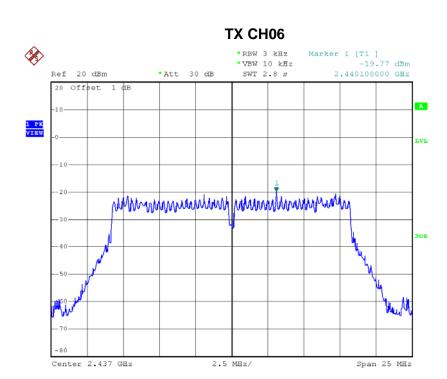
TX CH01



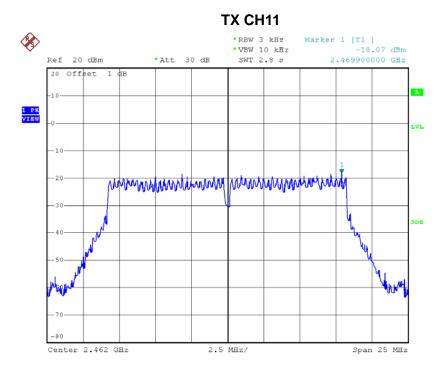
Date: 24.NOV.2014 16:08:39

Report No.: BTL-FCCP-1-1411C072 Page 146 of 158





Date: 24.NOV.2014 16:10:09



Date: 24.NOV.2014 16:12:20



Test Mode :TX G Mode_CH01/06/11_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-11.06	0.08	8.00	Complies
2437	-10.55	0.09	8.00	Complies
2462	-10.92	0.08	8.00	Complies

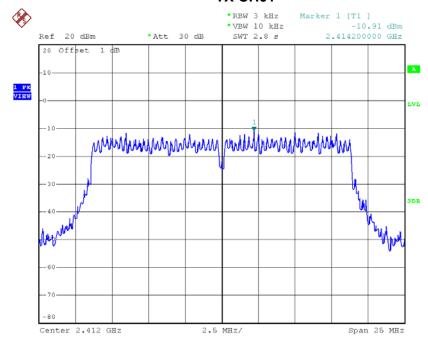
Report No.: BTL-FCCP-1-1411C072 Page 148 of 158



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	-10.91	0.08	8.00	Complies
2437	-11.17	0.08	8.00	Complies
2462	-15.63	0.03	8.00	Complies

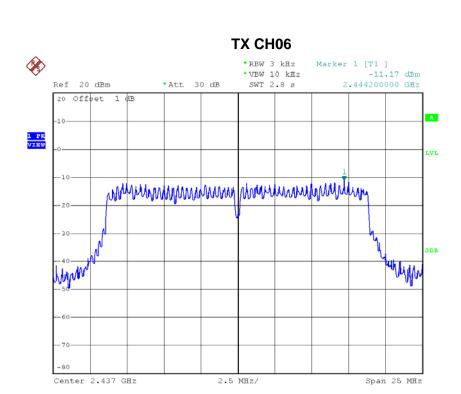
TX CH01



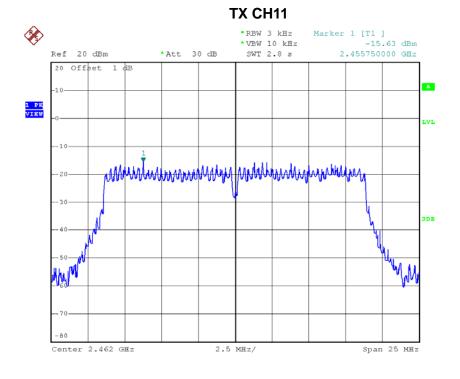
Date: 24.NOV.2014 16:16:59

Report No.: BTL-FCCP-1-1411C072 Page 149 of 158





Date: 24.NOV.2014 16:18:24



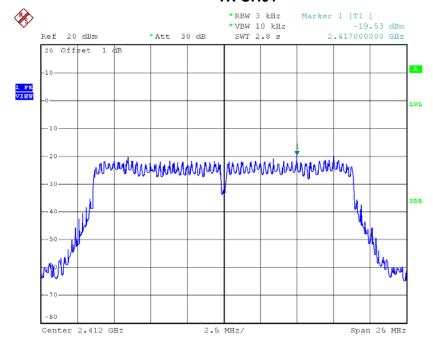
Date: 24.NOV.2014 16:20:30



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	-19.53	0.01	8.00	Complies
2437	-19.48	0.01	8.00	Complies
2462	-17.80	0.02	8.00	Complies

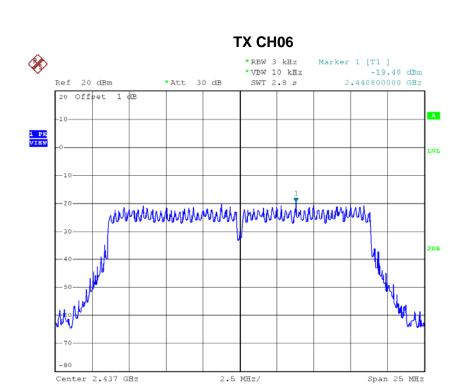
TX CH01



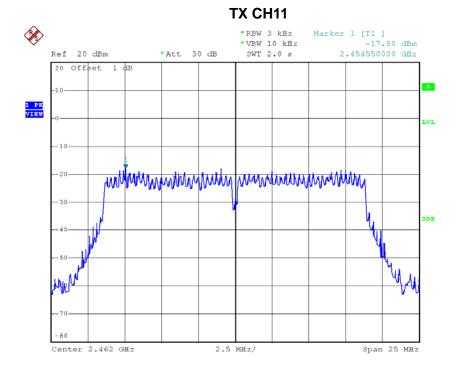
Date: 24.NOV.2014 16:23:48

Report No.: BTL-FCCP-1-1411C072 Page 151 of 158





Date: 24.NOV.2014 16:25:23



Date: 24.NOV.2014 16:27:17



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	-10.35	0.09	8.00	Complies
2437	-10.57	0.09	8.00	Complies
2462	-13.57	0.04	8.00	Complies

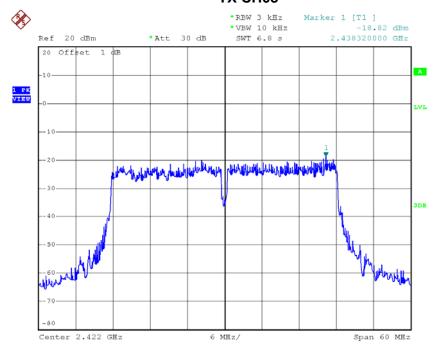
Report No.: BTL-FCCP-1-1411C072 Page 153 of 158



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	-18.82	0.01	8.00	Complies
2437	-15.24	0.03	8.00	Complies
2452	-19.59	0.01	8.00	Complies

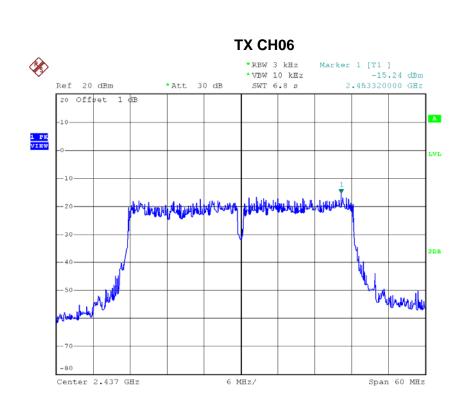
TX CH03



Date: 24.NOV.2014 16:31:31

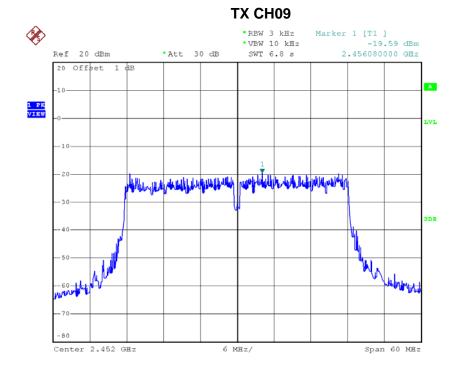
Report No.: BTL-FCCP-1-1411C072 Page 154 of 158







Date: 24.NOV.2014 16:35:05



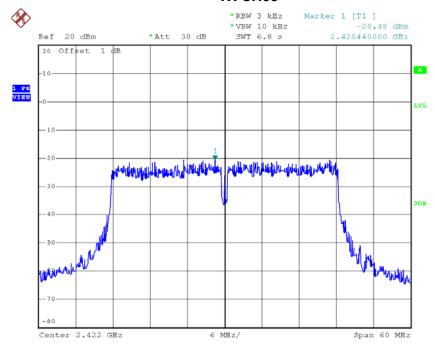
Report No.: BTL-FCCP-1-1411C072



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	-20.48	0.01	8.00	Complies
2437	-6.24	0.24	8.00	Complies
2452	-21.12	0.01	8.00	Complies

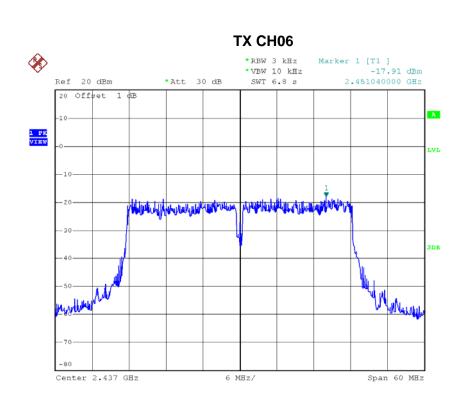
TX CH03



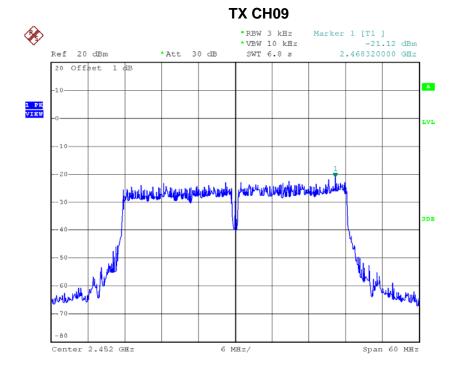
Date: 24.NOV.2014 16:37:33

Report No.: BTL-FCCP-1-1411C072 Page 156 of 158





Date: 24.NOV.2014 16:39:24



Date: 24.NOV.2014 16:41:40



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	-16.56	0.02	8.00	Complies
2437	-5.72	0.27	8.00	Complies
2452	-17.27	0.02	8.00	Complies

Report No.: BTL-FCCP-1-1411C072 Page 158 of 158