

FCC Radio Test Report **FCC ID: T58WF2419ER**

This report concerns	(check one	: XOriginal Grant	:
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: 300Mbps Wireless N Router

Project No.
Equipment : 300INIDPO .
Model Name : WF2419E : NETIS SYSTEMS CO., LTD 4F&5F R&D Building, Orient ... Nanshan, Sh

: 4F&5F R&D Building, Oriental Cyberport, High-Tech

Industrial Park, Nanshan, Shenzhen, China.

Date of Receipt : Feb. 12, 2015

Date of Test : Feb. 12, 2015 ~ Mar. 04, 2015

Issued Date : Mar. 05, 2015 Tested by : BTL Inc.

Testing Engineer

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(Leo Hung)

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with 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.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1502C109	Original Issue.	Mar. 05, 2015

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1. CERTIFICATION

Equipment : 300Mbps Wireless N Router

Brand Name: netis Model Name: WF2419E

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 : Feb. 12, 2015 ~ Mar. 04, 2015 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-1-1502C109) 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).

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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		
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)

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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	CISPR	200MHz ~ 1,000MHz	V	3.86	
DG-CD03	DG-CB03 CISFK	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	

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3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	300Mbps Wireless N Router			
Brand Name	netis			
Model Name	WF2419E			
Model Difference	N/A			
	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: 17.03 dBm 802.11g: 22.84 dBm 802.11n(20MHz): 24.57 dBm 802.11n(40MHz): 24.50 dBm		
Power Source	DC voltage supplied from AC/DC Adapter. Brand/ Model: tenpao / NTPI2UL			
Power Rating	I/P: 100-240V~ 0.2A 50/60Hz O/P: DC 9V 500mA			

Note:

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

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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 (dBi)	Note
1	N/A	N/A	Dipole	N/A	4.97	TX/RX
2	N/A	N/A	Dipole	N/A	4.97	TX/RX

Note:

- (1) The EUT incorporates a MIMO function. Physically, the EUT provides two completed transmitters and receivers (2T2R), all transmit signals are completely uncorrelated, then, **Direction gain = G**_{ANT}, that is Directional gain=4.97.
- (2) ANT 1 was the worst case for 1TX.

4

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

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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%.

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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	SmartTools		
Frequency (MHz)	2412	2437	2462
802.11b	24	24	24
802.11g	46	46	46
802.11n (20MHz)	41	42	41
Frequency	2422	2437	2452
802.11n (40MHz)	40	41	40

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3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

EUT

Control Room

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
-	-	-			-	

Item	Shielded Type	Ferrite Core	Length	Note
1	-	-	-	

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

The following table is the setting of the receiver

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

4.1.2 TEST PROCEDURE

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

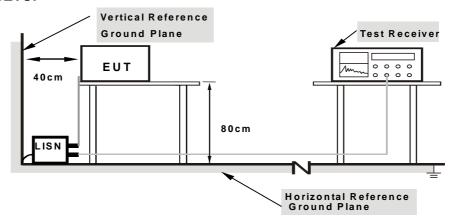
4.1.3 DEVIATION FROM TEST STANDARD

No deviation

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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: 22°C Relative Humidity: 57% Test Voltage: AC 120V/60Hz

4.1.7 TEST RESULTS

Please refer to the Attachment A.

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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 Distance
(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 (ivil 12)	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).
- (4) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use) Margin Level = Measurement Value - Limit Value

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

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

4.2.2 TEST PROCEDURE

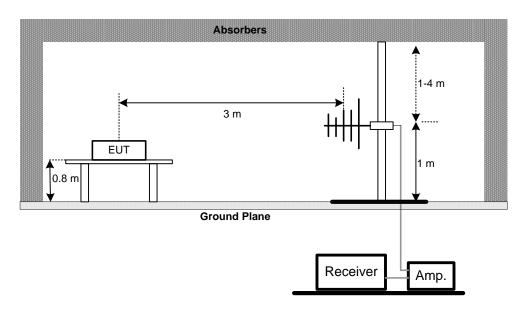
- a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at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

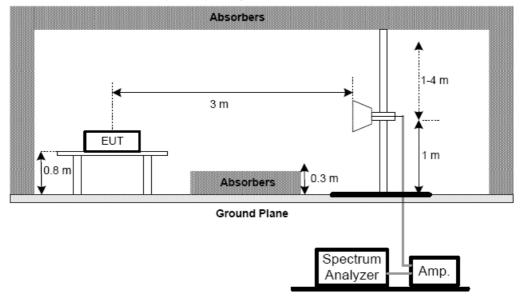
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



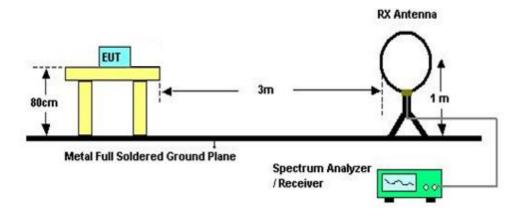
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(B) Radiated Emission Test Set-Up Frequency Above 1 GHz



(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: 24°C Relative Humidity: 60% Test Voltage: AC 120V/60Hz

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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.

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5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

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

5.1.1 TEST PROCEDURE

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

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP

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: 23°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

5.1.6 TEST RESULTS

Please refer to the Attachment E.

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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: 23°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

6.1.6 TEST RESULTS

Please refer to the Attachment F.

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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: 23°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

7.1.6 TEST RESULTS

Please refer to the Attachment G.

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8. POWER SPECTRAL DENSITY TEST

8.1 APPLIED PROCEDURES / LIMIT

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

8.1.1 TEST PROCEDURE

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT 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: 23°C Relative Humidity: 55% Test Voltage: AC 120V/60Hz

8.1.6 TEST RESULTS

Please refer to the Attachment H.

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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	Mar. 27, 2015
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 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

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		6dB Bandwidt	th Measureme	ent	
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 un				Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

		Power Spectral De	ensity Measur	ement	
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.

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10. EUT TEST PHOTO

Conducted Measurement Photos





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Radiated Measurement Photos

9KHz to 30MHz





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Radiated Measurement Photos

30MHz to 1000MHz





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Radiated Measurement Photos

Above 1000MHz





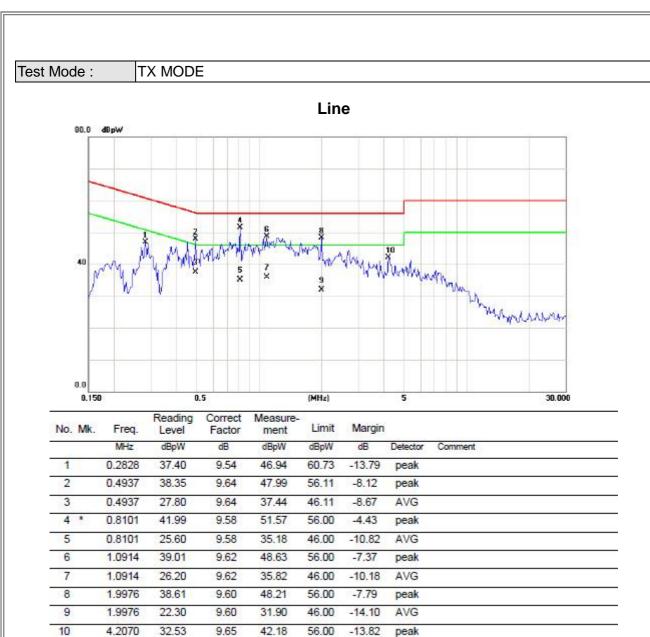
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ATTACHMENT A - CONDUCTED EMISSION

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42.18

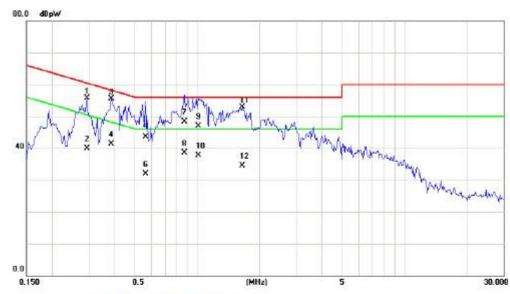
56.00

-13.82





Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBpW	dB	dBpW	dBpW	dB	Detector	Comment
1		0.2945	46.16	9.57	55.73	60.40	-4.67	peak	
2		0.2945	30.30	9.57	39.87	50.40	-10.53	AVG	
3	*	0.3844	45.95	9.58	55.53	58.18	-2.65	peak	
4		0.3844	31.80	9.58	41.38	48.18	-6.80	AVG	
5		0.5641	34.00	9.58	43.58	56.00	-12.42	QP	
6		0.5641	22.30	9.58	31.88	46.00	-14.12	AVG	
7		0.8688	38.80	9.59	48.39	56.00	-7.61	QP	
8		0.8688	28.90	9.59	38.49	46.00	-7.51	AVG	
9		1.0172	37.40	9.60	47.00	56.00	-9.00	QP	
10		1.0172	28.10	9.60	37.70	46.00	-8.30	AVG	
11		1.6500	43.23	9.62	52.85	56.00	-3.15	peak	
12		1.6500	24.90	9.62	34.52	46.00	-11.48	AVG	

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

Report No.: BTL-FCCP-1-1502C109 Page 33 of 143



Test Mode: TX Mode 2412MHz

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0103	0°	5.21	24.30	29.51	127.35	-97.84	AVG
0.0103	0°	8.48	24.30	32.78	147.35	-114.57	PEAK
0.0137	0°	4.25	24.30	28.55	124.87	-96.32	AVG
0.0137	0°	6.29	24.30	30.59	144.87	-114.28	PEAK
0.0258	0°	5.62	23.93	29.55	119.37	-89.82	AVG
0.0258	0°	8.38	23.93	32.31	139.37	-107.06	PEAK
0.3472	0°	4.72	20.17	24.89	96.79	-71.91	AVG
0.3472	0°	6.64	20.17	26.81	116.79	-89.99	PEAK
2.0905	0°	18.65	19.45	38.10	69.54	-31.44	QP
3.4649	0°	23.85	18.95	42.80	69.54	-26.74	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0105	90°	6.83	24.30	31.13	127.18	-96.05	AVG
0.0105	90°	8.36	24.30	32.66	147.18	-114.52	PEAK
0.0168	90°	5.67	24.30	29.97	123.10	-93.13	AVG
0.0168	90°	6.59	24.30	30.89	143.10	-112.21	PEAK
0.0259	90°	3.15	23.93	27.08	119.34	-92.26	AVG
0.0259	90°	5.99	23.93	29.92	139.34	-109.42	PEAK
0.0378	90°	2.37	23.17	25.54	116.05	-90.51	AVG
0.0378	90°	4.25	23.17	27.42	136.05	-108.63	PEAK
1.6128	90°	18.89	19.54	38.43	63.45	-25.02	QP
2.1799	90°	22.59	19.39	41.98	69.54	-27.56	QP

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

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No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	232.7300	49.99	-14.18	35.81	46.00	-10.19	peak	
2		310.3300	46.95	-11.15	35.80	46.00	-10.20	peak	
3		359.8000	41.27	-11.35	29.92	46.00	-16.08	peak	
4		465.5300	37.43	-9.21	28.22	46.00	-17.78	peak	
5		629.4600	34.01	-6.28	27.73	46.00	-18.27	peak	
6		786.6000	31.47	-3.36	28.11	46.00	-17.89	peak	

515.000 612.000

709.000

806.000

1000.000 MHz

30.000

127.000

224,000

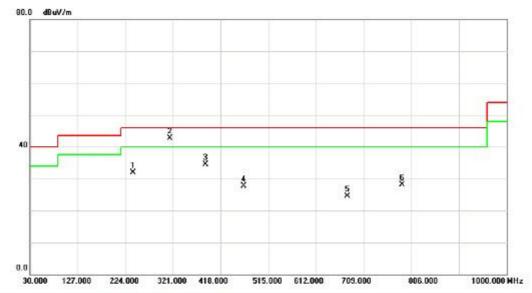
321.000 418.000

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Horizontal



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		239.5200	45.90	-14.05	31.85	46.00	-14.15	peak	
2	*	315.1800	53,85	-11.23	42.62	46.00	-3.38	peak	
3		386.9600	44.54	-10.13	34.41	46.00	-11.59	peak	
4		465.5300	37.00	-9.21	27.79	46.00	-18.21	peak	
5		676.0200	29.60	-5.04	24.56	46.00	-21.44	peak	
6		786.6000	31.51	-3.36	28.15	46.00	-17.85	peak	

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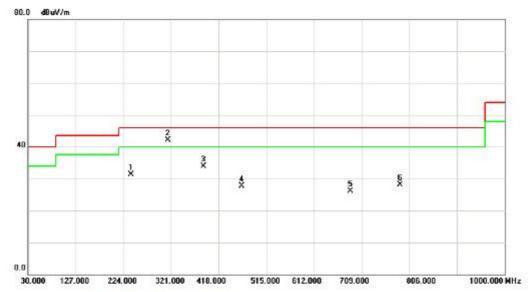
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		232.7300	49.99	-14.18	35.81	46.00	-10.19	peak	
2	*	310.3300	47.45	-11.15	36.30	46.00	-9.70	peak	
3		465.5300	37.43	-9.21	28.22	46.00	-17.78	peak	
4		549.9200	34.53	-7.93	26.60	46.00	-19.40	peak	
5		629.4600	34.01	-6.28	27.73	46.00	-18.27	peak	
6		786.6000	32.47	-3.36	29.11	46.00	-16.89	peak	

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Horizontal



No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		239.5200	45.40	-14.05	31.35	46.00	-14.65	peak	
2	*	315.1800	53.35	-11.23	42.12	46.00	-3.88	peak	
3		386.9600	44.04	-10.13	33.91	46.00	-12.09	peak	
4		465.5300	37.00	-9.21	27.79	46.00	-18.21	peak	
5	3	685.7200	31.03	-4.99	26.04	46.00	-19.96	peak	
6		786.6000	31.51	-3.36	28.15	46.00	-17.85	peak	

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1000.000 MHz



No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	232.7300	51.49	-14.18	37.31	46.00	-8.69	peak	
2		310.3300	48.45	-11.15	37.30	46.00	-8.70	peak	
3		359.8000	42.77	-11.35	31.42	46.00	-14.58	peak	
4		465.5300	39.43	-9.21	30.22	46.00	-15.78	peak	
5		629.4600	35.51	-6.28	29.23	46.00	-16.77	peak	
6		786.6000	32.47	-3.36	29.11	46.00	-16.89	peak	

515.000 612.000

709.000

806.000

30.000

127.000

224,000

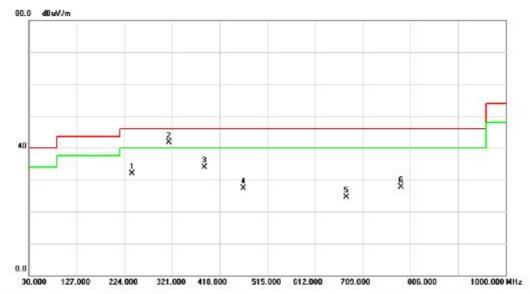
321.000 418.000

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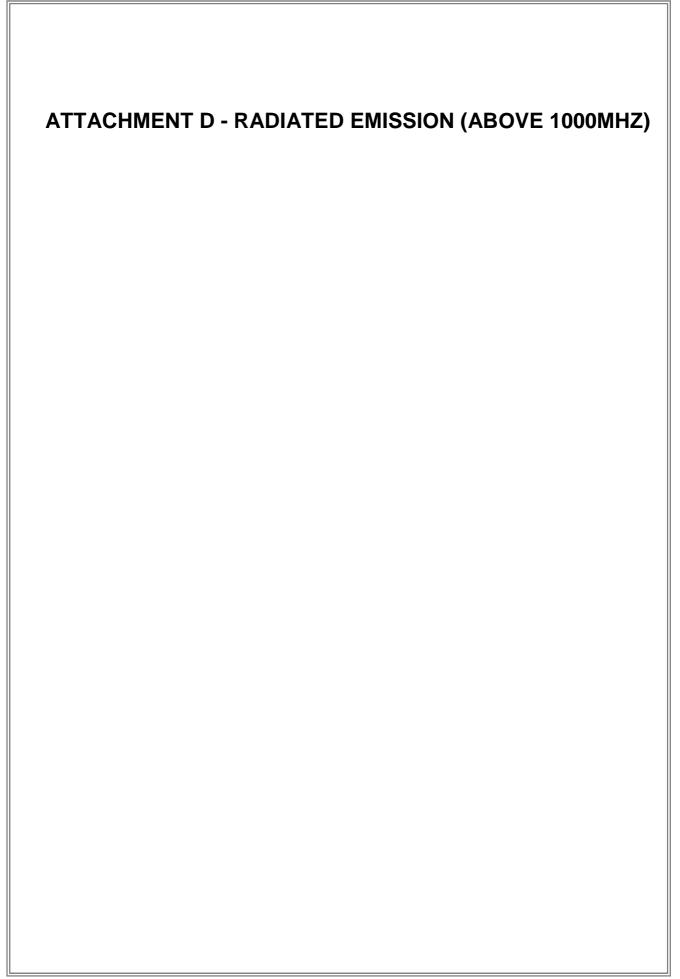
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	1	239.5200	45.90	-14.05	31.85	46.00	-14.15	peak	
2	*	315.1800	52.85	-11.23	41.62	46.00	-4.38	peak	
3	3	386.9600	44.04	-10.13	33.91	46.00	-12.09	peak	
4		466.5000	36.54	-9.25	27.29	46.00	-18.71	peak	
5	1	676.0200	29.60	-5.04	24.56	46.00	-21.44	peak	
6		786.6000	31.01	-3.36	27.65	46.00	-18.35	peak	

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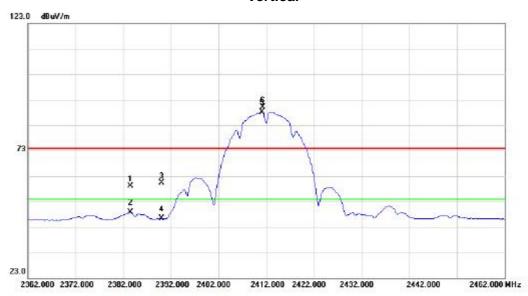


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Orthogonal Axis: X
Test Mode: TX B MODE 2412MHz

Vertical



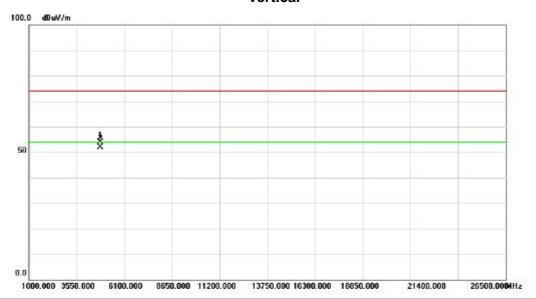
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.500	27.18	31.87	59.05	74.00	-14.95	peak	
2		2383.500	16.92	31.87	48.79	54.00	-5.21	AVG	
3		2390.000	28.45	31.88	60.33	74.00	-13.67	peak	
4		2390.000	14.54	31.88	46.42	54.00	-7.58	AVG	
5	*	2411.200	56.29	31.91	88.20	54.00	34.20	AVG	No Limit
6	X	2411.300	58.29	31.91	90.20	74.00	16.20	peak	No Limit

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Test Mode : TX B MODE 2412MHz

Vertical



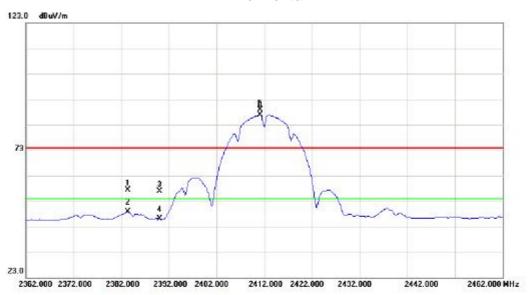
No.	Mk	k. Fr	req.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		M	Hz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		4823.	920	50.16	3.62	53.78	74.00	-20.22	peak		
2	*	4824.	000	48.21	3.62	51.83	54.00	-2.17	AVG		

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Test Mode: TX B MODE 2412MHz

Horizontal



No.	Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2383.400	25.45	31.87	57.32	74.00	-16.68	peak	
2		2383.400	16.90	31.87	48.77	54.00	-5.23	AVG	
3		2390.000	24.93	31.88	56.81	74.00	-17.19	peak	
4		2390.000	14.32	31.88	46.20	54.00	-7.80	AVG	
5	X	2411.200	56.88	31.91	88.79	74.00	14.79	peak	No Limit
6	*	2411.200	54.90	31.91	86.81	54.00	32.81	AVG	No Limit

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Test Mode : TX B MODE 2412MHz

Horizontal



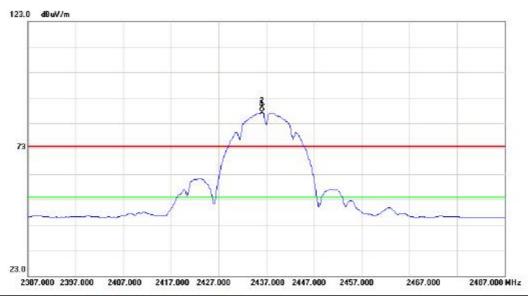
No.	М	k.	Freq.	Reading Level		Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		482	23.990	45.16	3.62	48.78	74.00	-25.22	peak		
2	*	482	24.010	42.21	3.62	45.83	54.00	-8.17	AVG		

Report No.: BTL-FCCP-1-1502C109 Page 46 of 143



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

Vertical



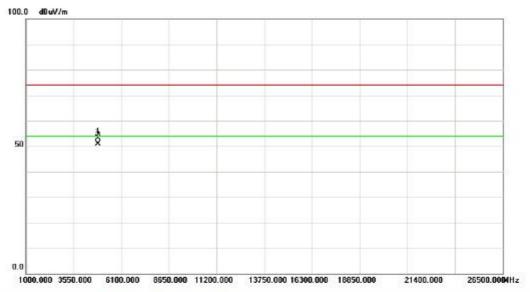
No.	M	k.	Freq.		Correct Factor	Measure- ment	Limit	Margin	2	
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	24	36.200	55.23	31.94	87.17	54.00	33.17	AVG	No Limit
2	X	24	36.200	57.21	31.94	89.15	74.00	15.15	peak	No Limit

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Test Mode: TX B MODE 2437MHz

Vertical



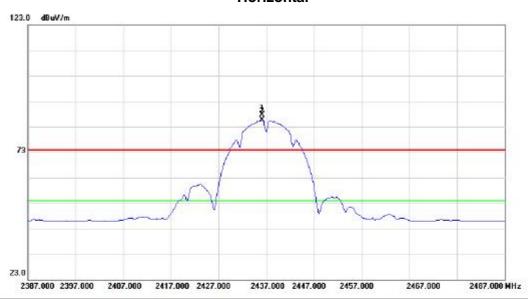
No.	Mk	c. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		4873.980	49.42	3.72	53.14	74.00	-20.86	peak		
2	*	4874.020	47.10	3.72	50.82	54.00	-3.18	AVG		

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Test Mode: TX B MODE 2437MHz

Horizontal



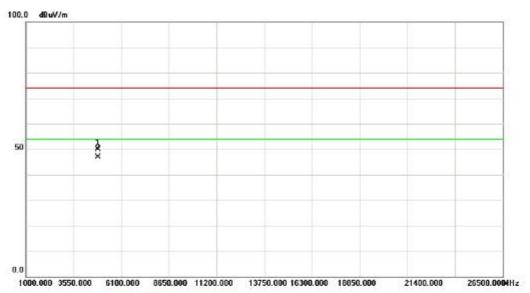
No.	Mk	c. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	X	2436.200	55.64	31.94	87.58	74.00	13.58	peak	No Limit	
2	*	2436.200	53.68	31.94	85.62	54.00	31.62	AVG	No Limit	

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Test Mode: TX B MODE 2437MHz

Horizontal



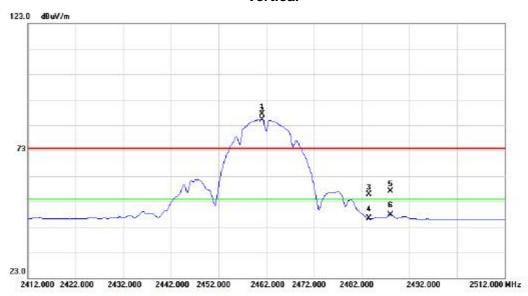
No.	M	k.	Freq.	Reading Level		Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		487	74.030	46.06	3.72	49.78	74.00	-24.22	peak		
2	*	487	74.040	43.15	3.72	46.87	54.00	-7.13	AVG		

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

Vertical



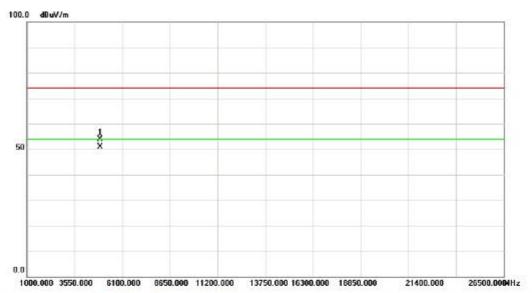
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	X	2461.200	55.31	31.98	87.29	74.00	13.29	peak	No Limit	
2	*	2461.200	53.27	31.98	85.25	54.00	31.25	AVG	No Limit	
3		2483.500	23.91	32.01	55.92	74.00	-18.08	peak		
4		2483.500	14.38	32.01	46.39	54.00	-7.61	AVG		
5		2488.000	25.15	32.01	57.16	74.00	-16.84	peak		
6		2488.000	15.76	32.01	47.77	54.00	-6.23	AVG		

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Test Mode: TX B MODE 2462MHz

Vertical



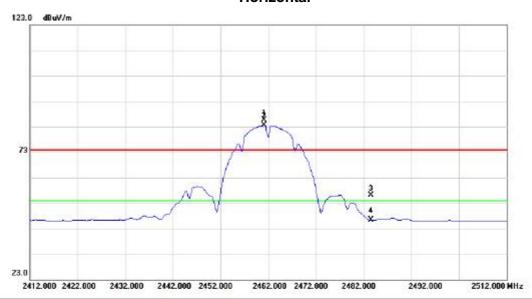
No.	М	k.	Freq.	Reading Level		Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		49	23.950	49.98	3.80	53.78	74.00	-20.22	peak		
2	*	49	24.010	47.03	3.80	50.83	54.00	-3.17	AVG		

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Test Mode: TX B MODE 2462MHz

Horizontal



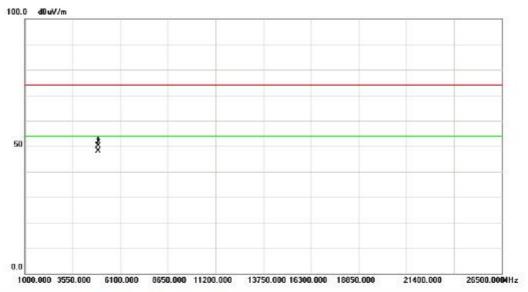
No.	Mk	ί.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	X	24	461.200	53.60	31.98	85.58	74.00	11.58	peak	No Limit	
2	*	24	461.200	51.61	31.98	83.59	54.00	29.59	AVG	No Limit	
3		24	483.500	24.07	32.01	56.08	74.00	-17.92	peak		
4		24	483.500	14.31	32.01	46.32	54.00	-7.68	AVG		

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Test Mode: TX B MODE 2462MHz

Horizontal



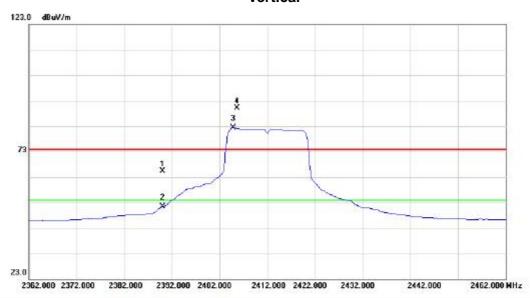
No.	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		4923.990	46.34	3.80	50.14	74.00	-23.86	peak		
2	*	4924.015	44.25	3.80	48.05	54.00	-5.95	AVG		

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

Vertical



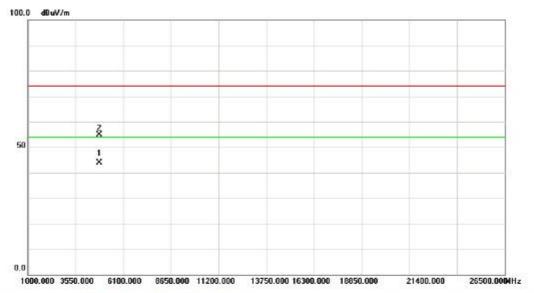
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	33.56	31.88	65.44	74.00	-8.56	peak	
2		2390.000	19.53	31.88	51.41	54.00	-2.59	AVG	(III III)
3	*	2404.900	50.47	31.89	82.36	54.00	28.36	AVG	No Limit
4	X	2405.700	58.15	31.90	90.05	74.00	16.05	peak	No Limit

Report No.: BTL-FCCP-1-1502C109 Page 55 of 143



Test Mode : TX G MODE 2412MHz

Vertical



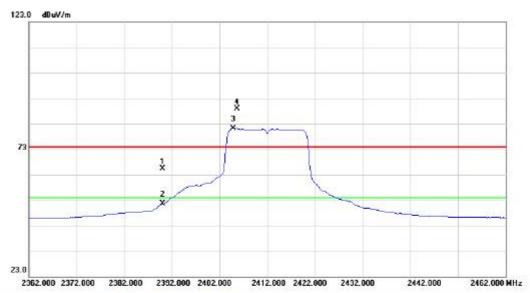
No.	М	k. I	Freq.		Correct Factor	Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4824	.040	40.34	3.62	43.96	54.00	-10.04	AVG		
2	3	4824	1.600	51.17	3.62	54.79	74.00	-19.21	peak		

Report No.: BTL-FCCP-1-1502C109 Page 56 of 143



Test Mode: TX G MODE 2412MHz

Horizontal



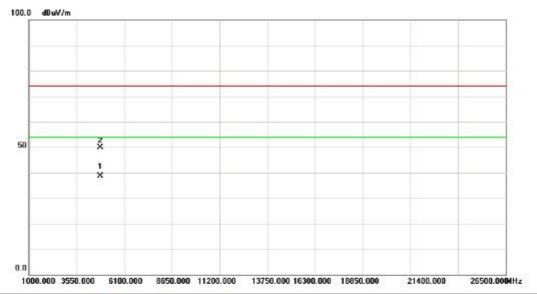
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2390.000	33.43	31.88	65.31	74.00	-8.69	peak		
2		2390.000	19.70	31.88	51.58	54.00	-2.42	AVG	(1) = 1	
3	*	2404.800	49.30	31.89	81.19	54.00	27.19	AVG	No Limit	
4	X	2405.700	56.92	31.90	88.82	74.00	14.82	peak	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 57 of 143



Test Mode : TX G MODE 2412MHz

Horizontal



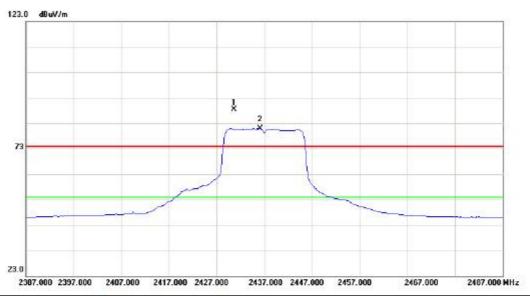
No.	Mk	c. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4824.120	35.11	3.62	38.73	54.00	-15.27	AVG		
2		4824.480	46.17	3.62	49.79	74.00	-24.21	peak		

Report No.: BTL-FCCP-1-1502C109 Page 58 of 143



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

Vertical



No.	Mk	c. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	X	2430.700	56.51	31.93	88.44	74.00	14.44	peak	No Limit	
2	*	2436.100	48.97	31.94	80.91	54.00	26.91	AVG	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 59 of 143



Test Mode: TX G MODE 2437MHz

Vertical



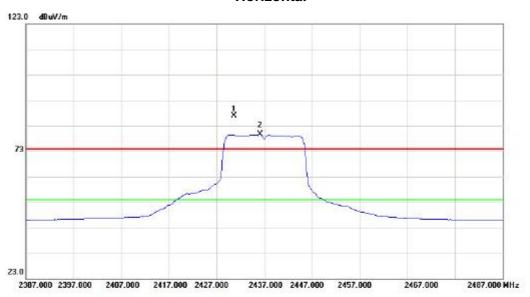
No.	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4874.020	41.38	3.72	45.10	54.00	-8.90	AVG		
2		4874.150	52.17	3.72	55.89	74.00	-18.11	peak		

Report No.: BTL-FCCP-1-1502C109 Page 60 of 143



Test Mode: TX G MODE 2437MHz

Horizontal



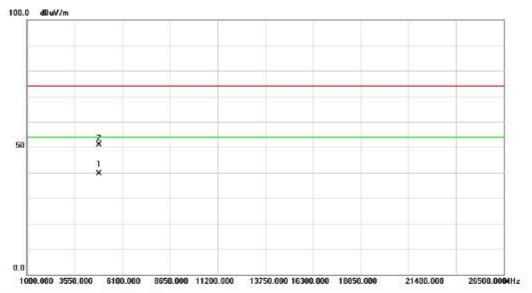
No.	Mk	c. Freq		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	X	2430.700	55.06	31.93	86.99	74.00	12.99	peak	No Limit	
2	*	2436.100	47.64	31.94	79.58	54.00	25.58	AVG	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 61 of 143



Test Mode: TX G MODE 2437MHz

Horizontal



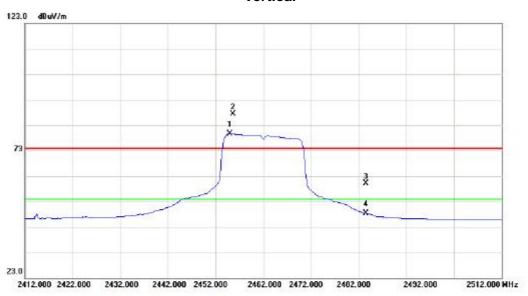
No.	lo. M	k. F	Freq.		Factor		Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4874	.010	35.98	3.72	39.70	54.00	-14.30	AVG		
2		4874	.390	47.16	3.72	50.88	74.00	-23.12	peak		

Report No.: BTL-FCCP-1-1502C109 Page 62 of 143



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

Vertical



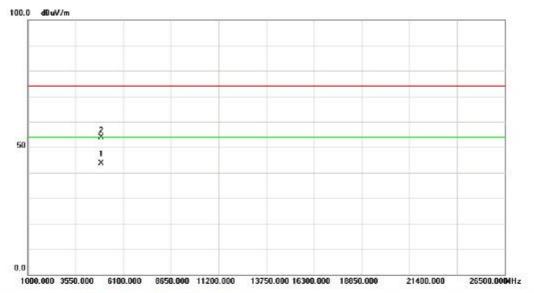
Mk	c. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
*	2455.000	47.73	31.96	79.69	54.00	25.69	AVG	No Limit	
X	2455.700	55.33	31.96	87.29	74.00	13.29	peak	No Limit	
	2483.500	28.00	32.01	60.01	74.00	-13.99	peak		
	2483.500	16.46	32.01	48.47	54.00	-5.53	AVG		
	* X	MHz * 2455.000 X 2455.700 2483.500	Mk. Freq. Level MHz dBuV * 2455.000 47.73 X 2455.700 55.33 2483.500 28.00	Mk. Freq. Level Factor MHz dBuV dB * 2455.000 47.73 31.96 X 2455.700 55.33 31.96 2483.500 28.00 32.01	Mk. Freq. Level Factor ment MHz dBuV dB dBuV/m * 2455.000 47.73 31.96 79.69 X 2455.700 55.33 31.96 87.29 2483.500 28.00 32.01 60.01	Mk. Freq. Level Factor ment Limit MHz dBuV dB dBuV/m dBuV/m * 2455.000 47.73 31.96 79.69 54.00 X 2455.700 55.33 31.96 87.29 74.00 2483.500 28.00 32.01 60.01 74.00	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dBuV/m dB * 2455.000 47.73 31.96 79.69 54.00 25.69 X 2455.700 55.33 31.96 87.29 74.00 13.29 2483.500 28.00 32.01 60.01 74.00 -13.99	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dBuV/m dB Detector * 2455.000 47.73 31.96 79.69 54.00 25.69 AVG X 2455.700 55.33 31.96 87.29 74.00 13.29 peak 2483.500 28.00 32.01 60.01 74.00 -13.99 peak	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dB Detector Comment * 2455.000 47.73 31.96 79.69 54.00 25.69 AVG No Limit X 2455.700 55.33 31.96 87.29 74.00 13.29 peak No Limit 2483.500 28.00 32.01 60.01 74.00 -13.99 peak

Report No.: BTL-FCCP-1-1502C109 Page 63 of 143



Test Mode: TX G MODE 2462MHz

Vertical



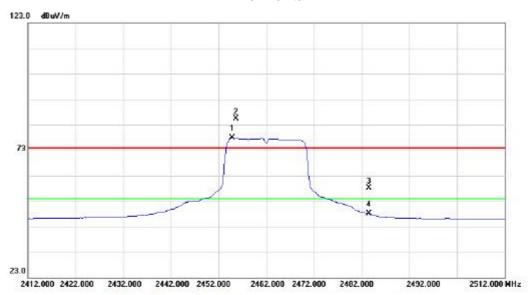
No.	М	k. Freq		Level	Correct Factor		Limit	Margin			
		MHz	dBu	N	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4924.01	39.8	32	3.80	43.62	54.00	-10.38	AVG		
2		4924.20	50.1	11	3.80	53.91	74.00	-20.09	peak		

Report No.: BTL-FCCP-1-1502C109 Page 64 of 143



Test Mode: TX G MODE 2462MHz

Horizontal



No.	o. Mk.	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	2454.900	45.80	31.96	77.76	54.00	23.76	AVG	No Limit	
2	X	2455.700	53.38	31.96	85.34	74.00	11.34	peak	No Limit	_
3		2483.500	26.08	32.01	58.09	74.00	-15.91	peak		
4		2483.500	16.10	32.01	48.11	54.00	-5.89	AVG		

Report No.: BTL-FCCP-1-1502C109 Page 65 of 143



Test Mode: TX G MODE 2462MHz

Horizontal



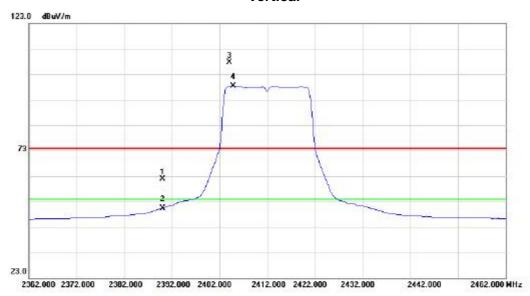
No.	М	lk.	Freq.	Reading Level		Measure- ment dBuV/m	Limit	Margin			
				dBuV			dBuV/m	dB	Detector	Comment	
1		49	24.090	46.05	3.80	49.85	74.00	-24.15	peak		
2	*	49	24.100	35.14	3.80	38.94	54.00	-15.06	AVG		

Report No.: BTL-FCCP-1-1502C109 Page 66 of 143



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

Vertical



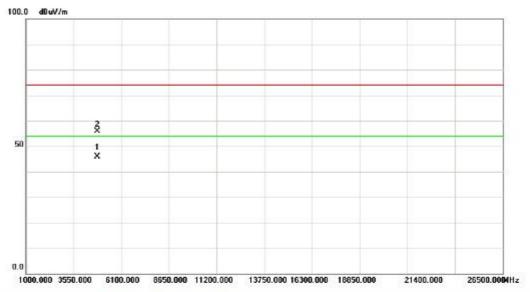
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2390.000	29.93	31.88	61.81	74.00	-12.19	peak		
2	1	2390.000	18.47	31.88	50.35	54.00	-3.65	AVG	m ==	
3	X	2404.000	75.77	31.89	107.66	74.00	33.66	peak	No Limit	
4	*	2404.800	66.48	31.89	98.37	54.00	44.37	AVG	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 67 of 143



Test Mode: TX N-20M MODE 2412MHz

Vertical



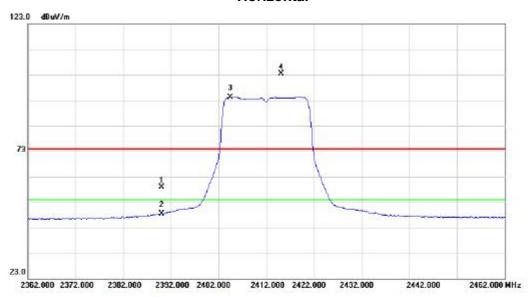
No.	lo. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4824.050	42.24	3.62	45.86	54.00	-8.14	AVG		
2		4824.110	52.38	3.62	56.00	74.00	-18.00	peak		

Report No.: BTL-FCCP-1-1502C109 Page 68 of 143



Test Mode: TX N-20M MODE 2412MHz

Horizontal



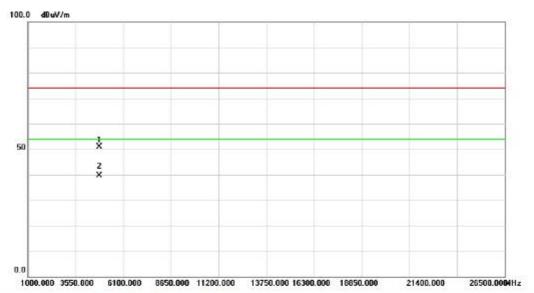
No.	Mk		Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		23	90.000	26.88	31.88	58.76	74.00	-15.24	peak		
2		23	90.000	16.53	31.88	48.41	54.00	-5.59	AVG	(III m)	
3	*	24	04.500	62.33	31.89	94.22	54.00	40.22	AVG	No Limit	
4	X	24	15.200	71.37	31.91	103.28	74.00	29.28	peak	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 69 of 143



Test Mode: TX N-20M MODE 2412MHz

Horizontal



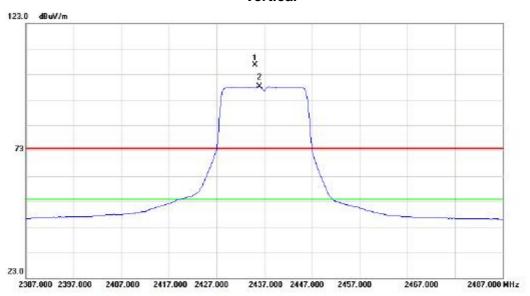
No.	M	lk.	Freq.	Level		Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		48	24.040	47.23	3.62	50.85	74.00	-23.15	peak		
2	*	48	24.040	36.02	3.62	39.64	54.00	-14.36	AVG		

Report No.: BTL-FCCP-1-1502C109 Page 70 of 143



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

Vertical



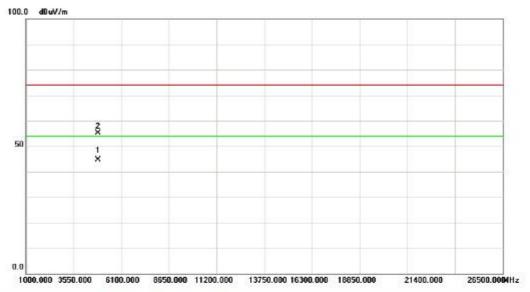
No.	lo. Mk.	k.	Freq.		Correct Factor		Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	X	24	35.000	74.69	31.94	106.63	74.00	32.63	peak	No Limit	
2	*	24	36.000	66.20	31.94	98.14	54.00	44.14	AVG	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 71 of 143



Test Mode: TX N-20M MODE 2437MHz

Vertical



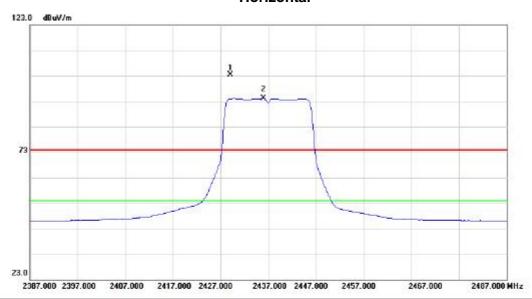
No.	lo. Mk	k. Freq.	Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4874.010	40.82	3.72	44.54	54.00	-9.46	AVG		
2		4874.080	51.34	3.72	55.06	74.00	-18.94	peak		

Report No.: BTL-FCCP-1-1502C109 Page 72 of 143



Test Mode: TX N-20M MODE 2437MHz

Horizontal



No.	Mk	c. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	X	2429.000	71.41	31.93	103.34	74.00	29.34	peak	No Limit	
2	*	2436.000	62.15	31.94	94.09	54.00	40.09	AVG	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 73 of 143



Test Mode: TX N-20M MODE 2437MHz

Horizontal



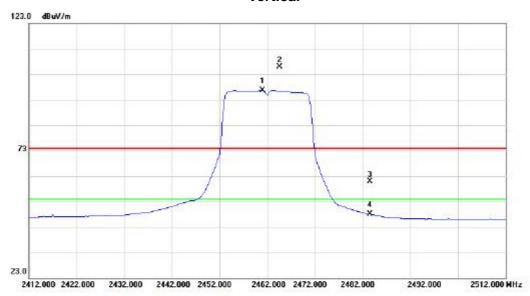
No.	M	k. Fre	eq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		M	lz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4874.0	20	36.13	3.72	39.85	54.00	-14.15	AVG		
2		4874.1	30	48.51	3.72	52.23	74.00	-21.77	peak		

Report No.: BTL-FCCP-1-1502C109 Page 74 of 143



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

Vertical



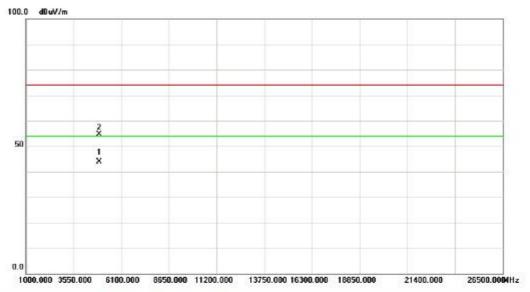
2	MHz 2461.000	dBuV	dB	dBuV/m	dBuV/m	dB	Detector		
2	2461 000					ub.	Detector	Comment	
-	2401.000	64.64	31.98	96.62	54.00	42.62	AVG	No Limit	
Κ 2	2464.600	73.95	31.98	105.93	74.00	31.93	peak	No Limit	
2	2483.500	28.93	32.01	60.94	74.00	-13.06	peak		
2	2483.500	16.07	32.01	48.08	54.00	-5.92	AVG		
	_	2483.500 2483.500						TOTAL CONTROL STREET STREET MINISTER STREET	TOTAL TOTAL STREET NEEDS NOTE STREET

Report No.: BTL-FCCP-1-1502C109 Page 75 of 143



Test Mode: TX N-20M MODE 2462MHz

Vertical



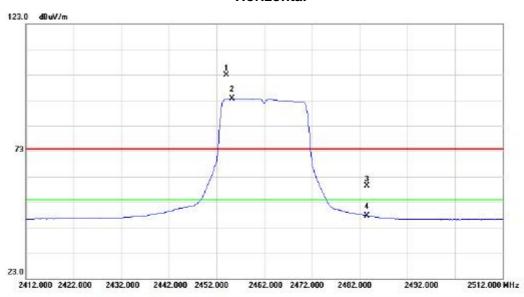
No.	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4923.950	40.08	3.80	43.88	54.00	-10.12	AVG		
2		4924.100	50.86	3.80	54.66	74.00	-19.34	peak		

Report No.: BTL-FCCP-1-1502C109 Page 76 of 143



Test Mode: TX N-20M MODE 2462MHz

Horizontal



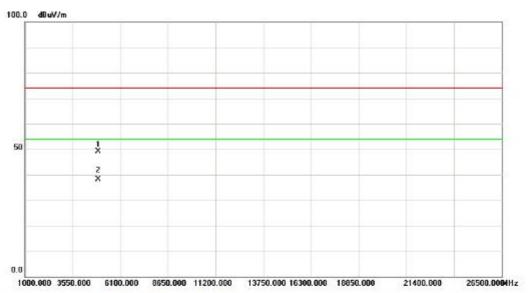
Mk	ζ.	Freq.	Reading Level		Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
X	24	54.100	70.95	31.96	102.91	74.00	28.91	peak	No Limit	
*	24	55.300	61.77	31.96	93.73	54.00	39.73	AVG	No Limit	
	24	83.500	27.42	32.01	59.43	74.00	-14.57	peak		
	24	83.500	15.72	32.01	47.73	54.00	-6.27	AVG		
	X *	X 24 * 24	X 2454.100 * 2455.300 2483.500	Mk. Freq. Level dBuV X 2454.100 70.95 * 2455.300 61.77 2483.500 27.42	Mk. Freq. Level Factor MHz dBuV dB X 2454.100 70.95 31.96 * 2455.300 61.77 31.96 2483.500 27.42 32.01	Mk. Freq. Level Factor ment MHz dBuV dB dBuV/m X 2454.100 70.95 31.96 102.91 * 2455.300 61.77 31.96 93.73 2483.500 27.42 32.01 59.43	Mk. Freq. Level Factor ment Limit MHz dBuV dB dBuV/m dBuV/m X 2454.100 70.95 31.96 102.91 74.00 * 2455.300 61.77 31.96 93.73 54.00 2483.500 27.42 32.01 59.43 74.00	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dBuV/m dB X 2454.100 70.95 31.96 102.91 74.00 28.91 * 2455.300 61.77 31.96 93.73 54.00 39.73 2483.500 27.42 32.01 59.43 74.00 -14.57	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dBuV/m dB Detector X 2454.100 70.95 31.96 102.91 74.00 28.91 peak * 2455.300 61.77 31.96 93.73 54.00 39.73 AVG 2483.500 27.42 32.01 59.43 74.00 -14.57 peak	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dB Detector Comment X 2454.100 70.95 31.96 102.91 74.00 28.91 peak No Limit * 2455.300 61.77 31.96 93.73 54.00 39.73 AVG No Limit 2483.500 27.42 32.01 59.43 74.00 -14.57 peak

Report No.: BTL-FCCP-1-1502C109 Page 77 of 143



Test Mode: TX N-20M MODE 2462MHz

Horizontal



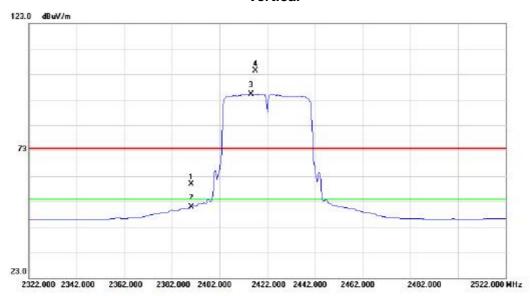
No.	М	k.	Freq.	Reading Level		Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		49	24.070	45.23	3.80	49.03	74.00	-24.97	peak		
2	*	49	24.100	34.38	3.80	38.18	54.00	-15.82	AVG		

Report No.: BTL-FCCP-1-1502C109 Page 78 of 143



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

Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	1	2390.000	28.04	31.88	59.92	74.00	-14.08	peak		
2		2390.000	19.11	31.88	50.99	54.00	-3.01	AVG	(III III)	
3	*	2415.200	63.34	31.91	95.25	54.00	41.25	AVG	No Limit	
4	X	2417.200	72.58	31.91	104.49	74.00	30.49	peak	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 79 of 143



Test Mode: TX N-40M MODE 2422MHz

Vertical



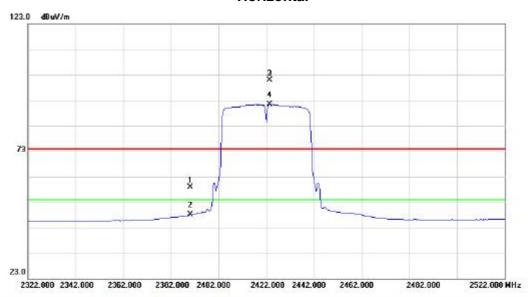
No.	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4844.020	42.64	3.66	46.30	54.00	-7.70	AVG		
2		4844.090	52.72	3.66	56.38	74.00	-17.62	peak		

Report No.: BTL-FCCP-1-1502C109 Page 80 of 143



Test Mode: TX N-40M MODE 2422MHz

Horizontal



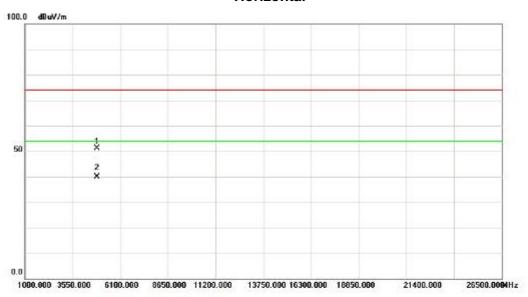
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		2390.000	26.93	31.88	58.81	74.00	-15.19	peak		
2		2390.000	16.15	31.88	48.03	54.00	-5.97	AVG	m m	
3	X	2423.400	69.01	31.93	100.94	74.00	26.94	peak	No Limit	
4	*	2423.600	59.43	31.93	91.36	54.00	37.36	AVG	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 81 of 143



Test Mode: TX N-40M MODE 2422MHz

Horizontal



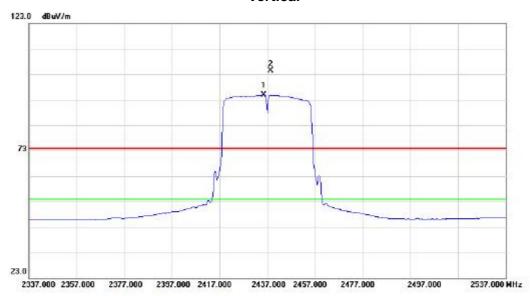
No.	M	k. Fred		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		4844.01	0 47.54	3.66	51.20	74.00	-22.80	peak		
2	*	4844.04	36.23	3.66	39.89	54.00	-14.11	AVG		

Report No.: BTL-FCCP-1-1502C109 Page 82 of 143



Test Mode: TX N-40M MODE 2437MHz

Vertical



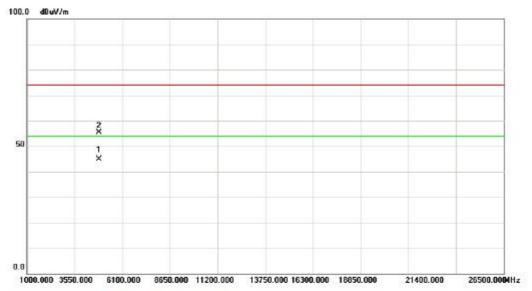
No.	M	k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	24	435.400	62.82	31.94	94.76	54.00	40.76	AVG	No Limit	
2	X	24	438.400	72.56	31.94	104.50	74.00	30.50	peak	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 83 of 143



Test Mode: TX N-40M MODE 2437MHz

Vertical



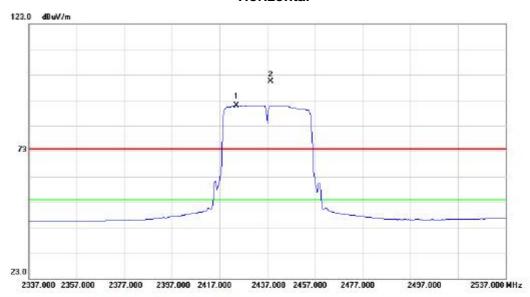
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4874.050	41.12	3.72	44.84	54.00	-9.16	AVG		
2		4874.060	51.75	3.72	55.47	74.00	-18.53	peak		

Report No.: BTL-FCCP-1-1502C109 Page 84 of 143



Test Mode: TX N-40M MODE 2437MHz

Horizontal



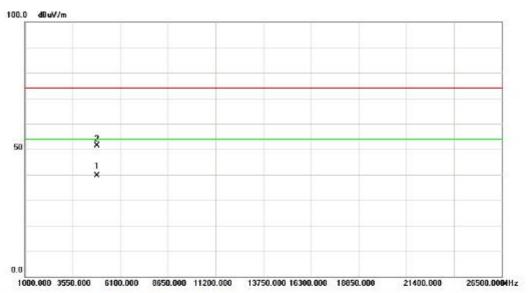
No.	M	k.	Freq.		Correct Factor	Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	24	424.000	59.04	31.93	90.97	54.00	36.97	AVG	No Limit	
2	X	24	438.400	68.55	31.94	100.49	74.00	26.49	peak	No Limit	

Report No.: BTL-FCCP-1-1502C109 Page 85 of 143



Test Mode: TX N-40M MODE 2437MHz

Horizontal



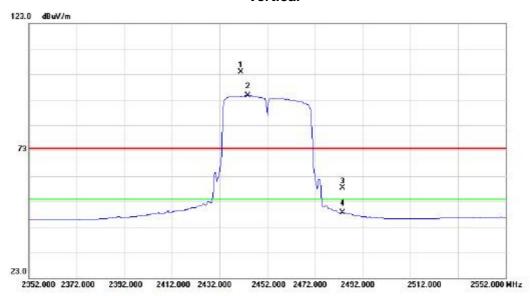
No.	М	k. F	req.		Correct Factor	Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4874	.030	35.87	3.72	39.59	54.00	-14.41	AVG		
2		4874	.090	47.72	3.72	51.44	74.00	-22.56	peak		

Report No.: BTL-FCCP-1-1502C109 Page 86 of 143



Test Mode: TX N-40M MODE 2452MHz

Vertical



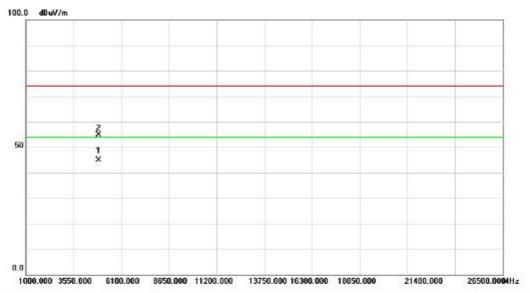
Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
X	2441.000	71.96	31.95	103.91	74.00	29.91	peak	No Limit	
*	2443.800	62.62	31.96	94.58	54.00	40.58	AVG	No Limit	
	2483.500	26.43	32.01	58.44	74.00	-15.56	peak		
	2483.500	16.66	32.01	48.67	54.00	-5.33	AVG		
	X *	MHz X 2441.000 * 2443.800 2483.500	Mk. Freq. Level MHz dBuV X 2441.000 71.96 * 2443.800 62.62 2483.500 26.43	Mk. Freq. Level Factor MHz dBuV dB X 2441.000 71.96 31.95 * 2443.800 62.62 31.96 2483.500 26.43 32.01	Mk. Freq. Level Factor ment MHz dBuV dB dBuV/m X 2441.000 71.96 31.95 103.91 * 2443.800 62.62 31.96 94.58 2483.500 26.43 32.01 58.44	Mk. Freq. Level Factor ment Limit MHz dBuV dB dBuV/m dBuV/m X 2441.000 71.96 31.95 103.91 74.00 * 2443.800 62.62 31.96 94.58 54.00 2483.500 26.43 32.01 58.44 74.00	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dBuV/m dB X 2441.000 71.96 31.95 103.91 74.00 29.91 * 2443.800 62.62 31.96 94.58 54.00 40.58 2483.500 26.43 32.01 58.44 74.00 -15.56	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dBuV/m dB Detector X 2441.000 71.96 31.95 103.91 74.00 29.91 peak * 2443.800 62.62 31.96 94.58 54.00 40.58 AVG 2483.500 26.43 32.01 58.44 74.00 -15.56 peak	Mk. Freq. Level Factor ment Limit Margin MHz dBuV dB dBuV/m dBuV/m dB Detector Comment X 2441.000 71.96 31.95 103.91 74.00 29.91 peak No Limit * 2443.800 62.62 31.96 94.58 54.00 40.58 AVG No Limit 2483.500 26.43 32.01 58.44 74.00 -15.56 peak

Report No.: BTL-FCCP-1-1502C109 Page 87 of 143



Test Mode: TX N-40M MODE 2452MHz

Vertical



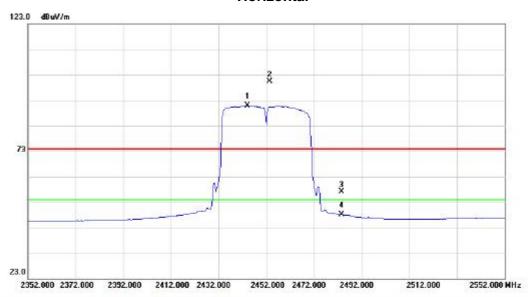
No.	Mk	. Freq.		Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	4903.980	41.18	3.77	44.95	54.00	-9.05	AVG		
2		4904.090	51.21	3.77	54.98	74.00	-19.02	peak		

Report No.: BTL-FCCP-1-1502C109 Page 88 of 143



Test Mode: TX N-40M MODE 2452MHz

Horizontal



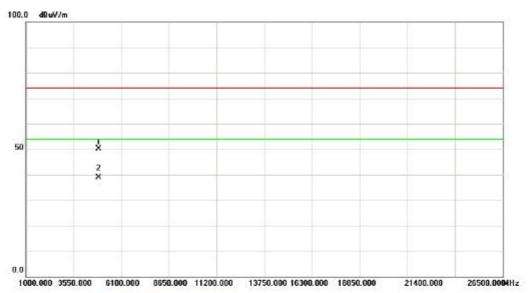
No.	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	*	2444.000	58.80	31.96	90.76	54.00	36.76	AVG	No Limit	
2	X	2453.400	68.36	31.96	100.32	74.00	26.32	peak	No Limit	
3		2483.500	25.13	32.01	57.14	74.00	-16.86	peak		
4		2483.500	16.10	32.01	48.11	54.00	-5.89	AVG		

Report No.: BTL-FCCP-1-1502C109 Page 89 of 143



Test Mode: TX N-40M MODE 2452MHz

Horizontal



No.	М	k.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
			MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1		490	04.000	46.32	3.77	50.09	74.00	-23.91	peak		
2	*	490	04.020	35.13	3.77	38.90	54.00	-15.10	AVG		

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ATTACHMENT E - BANDWIDTH	

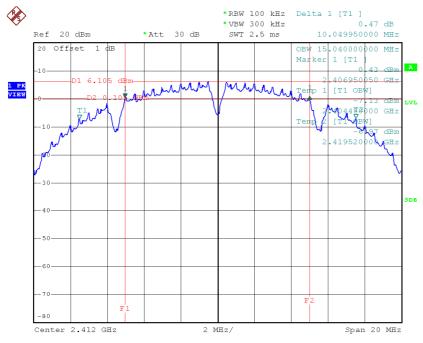
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Test Mode: TX B Mode_CH01/06/11

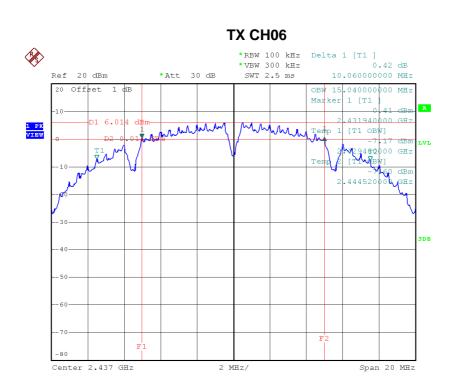
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	10.05	15.04	500	Complies
2437	10.06	15.04	500	Complies
2462	10.00	15.04	500	Complies

TX CH01

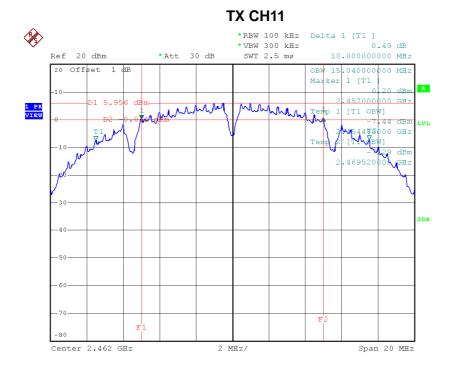


Date: 28.FEB.2015 08:17:21





Date: 28.FEB.2015 08:18:24



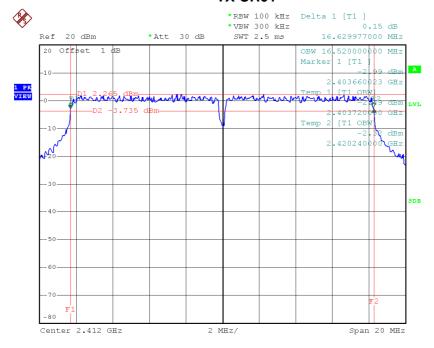
Date: 28.FEB.2015 08:19:19



Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.63	16.52	500	Complies
2437	16.62	16.52	500	Complies
2462	16.59	16.52	500	Complies

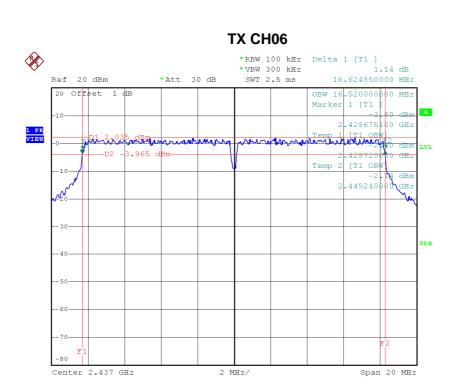
TX CH01



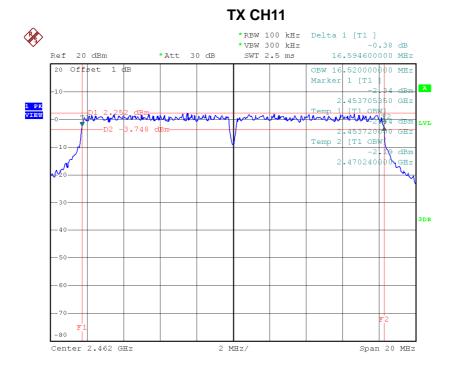
Date: 28.FEB.2015 08:20:38

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Date: 28.FEB.2015 08:21:30



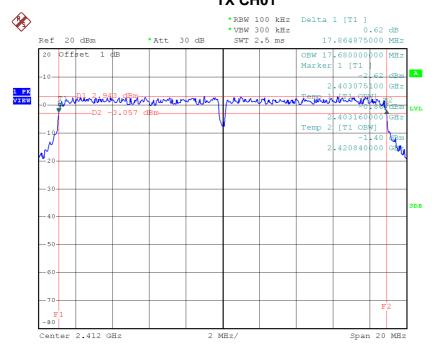
Date: 28.FEB.2015 08:22:16



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

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.86	17.68	500	Complies
2437	17.84	17.72	500	Complies
2462	17.84	17.68	500	Complies

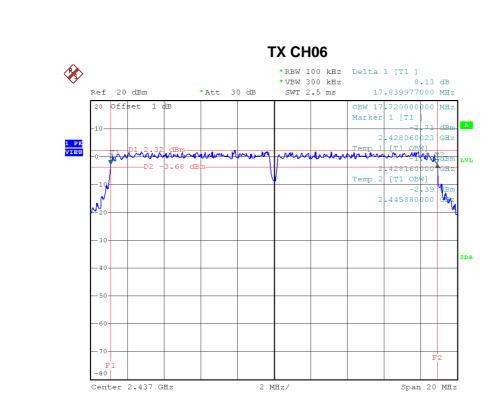
TX CH01



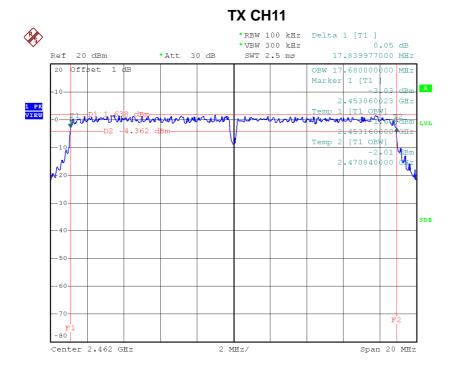
Date: 28.FEB.2015 08:23:32

Report No.: BTL-FCCP-1-1502C109 Page 96 of 143





Date: 28.FEB.2015 08:24:37



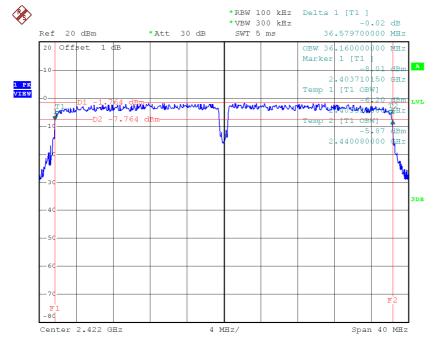
Date: 28.FEB.2015 08:25:31



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

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	36.58	36.16	500	Complies
2437	36.48	36.16	500	Complies
2452	36.53	36.16	500	Complies

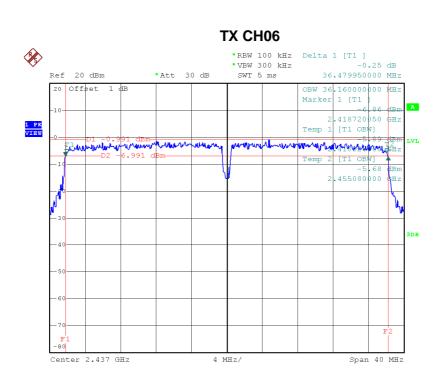
TX CH03



Date: 28.FEB.2015 08:27:06

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Date: 28.FEB.2015 08:28:00

Date: 28.FEB.2015 08:28:53



ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

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Test Mode :TX B Mode_CH01/06/11

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Result
2412	16.92	0.05	30.00	1.00	Complies
2437	16.94	0.05	30.00	1.00	Complies
2462	17.03	0.05	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	22.43	0.17	30.00	1.00	Complies
2437	22.71	0.19	30.00	1.00	Complies
2462	22.84	0.19	30.00	1.00	Complies

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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	21.51	0.14	30.00	1.00	Complies
2437	21.48	0.14	30.00	1.00	Complies
2462	21.32	0.14	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	21.36	0.14	30.00	1.00	Complies
2437	21.64	0.15	30.00	1.00	Complies
2462	21.53	0.14	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	24.45	0.28	30.00	1.00	Complies
2437	24.57	0.29	30.00	1.00	Complies
2462	24.44	0.28	30.00	1.00	Complies

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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	21.41	0.14	30.00	1.00	Complies
2437	21.37	0.14	30.00	1.00	Complies
2452	21.56	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	21.57	0.14	30.00	1.00	Complies
2437	21.35	0.14	30.00	1.00	Complies
2452	21.31	0.14	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	24.50	0.28	30.00	1.00	Complies
2437	24.37	0.27	30.00	1.00	Complies
2452	24.45	0.28	30.00	1.00	Complies

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ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

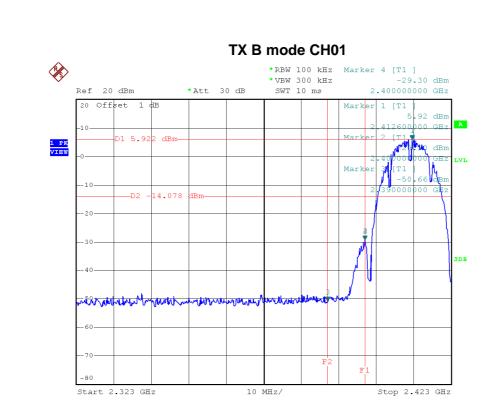
Report No.: BTL-FCCP-1-1502C109 Page 104 of 143



Test Mode :	TX B Mode

Report No.: BTL-FCCP-1-1502C109





Date: 28.FEB.2015 08:17:42

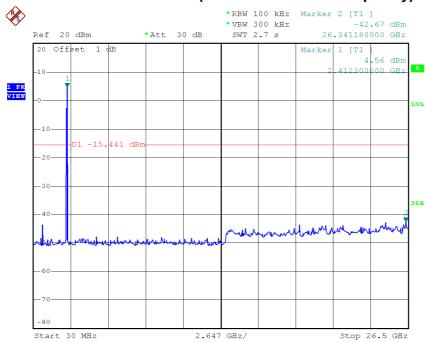
Date: 28.FEB.2015 08:19:40

TX B mode CH11 *RBW 100 kHz Marker 4 [T1] *VBW 300 kHz SWT 10 ms -48.85 dBm Ref 20 dBm *Att 30 dB 2.543600000 GHz 20 Offset 1 dB Marker 1 [T1] 5.83 dBm 461400000 GHZ Marker 2 [T1] 1 PK VIEW -50.01 dBm 483500000 GHZ Marker 3 [T1 -49.65 dBm 3DB Stop 2.548 GHz

Report No.: BTL-FCCP-1-1502C109

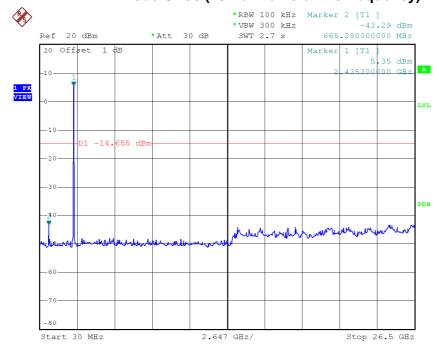






Date: 28.FEB.2015 08:17:35

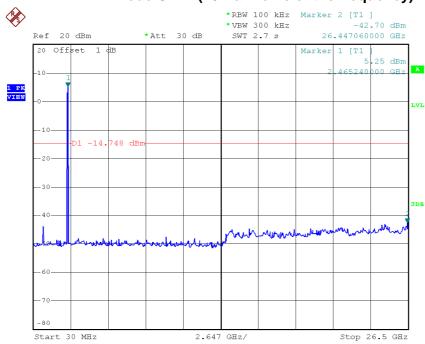
TX B mode CH06 (10 Harmonic of the frequency)



Date: 28.FEB.2015 08:18:38







Date: 28.FEB.2015 08:19:33

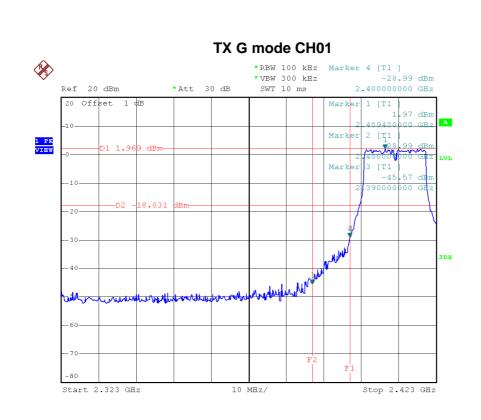
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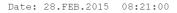


Test Mode :	TX G Mode

Report No.: BTL-FCCP-1-1502C109







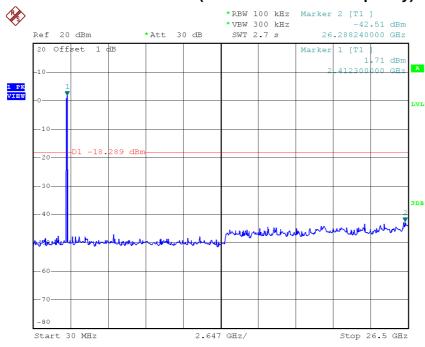
Date: 28.FEB.2015 08:22:37

TX G mode CH11 *RBW 100 kHz Marker 4 [T1] -43.46 dBm 2.483500000 GHz *VBW 300 kHz SWT 10 ms Ref 20 dBm *Att 30 dB 20 Offset 1 dB Marker 1 [T1] 2.02 dBm Marker 2 [T1 1 PK VIEW -43.46 dBm .483500000 GHZ LVL Marker 3 [T1 -48.88 dBm 3DB Stop 2.548 GHz

Report No.: BTL-FCCP-1-1502C109

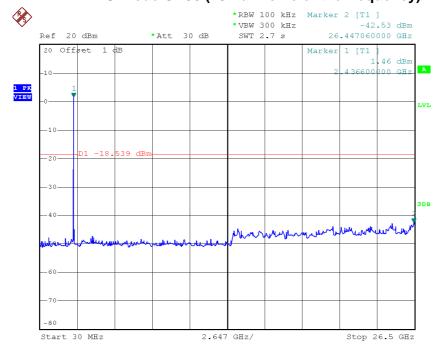






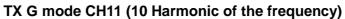
Date: 28.FEB.2015 08:20:52

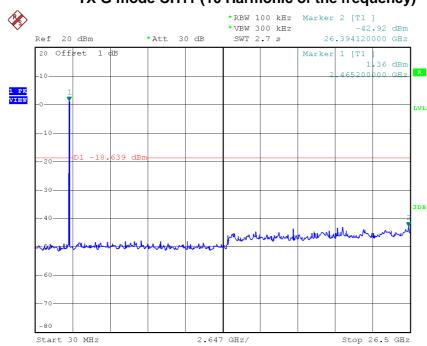
TX G mode CH06 (10 Harmonic of the frequency)



Date: 28.FEB.2015 08:21:43







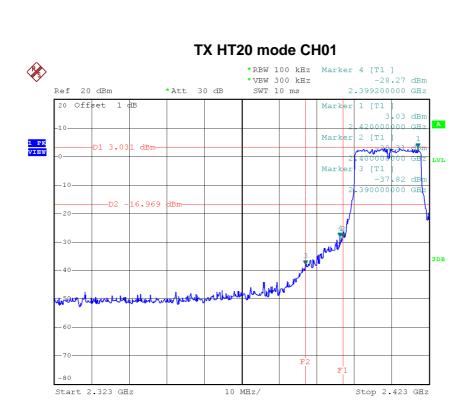
Date: 28.FEB.2015 08:22:30



Test Mode : TX N-20M Mode_ANT 1	٦ĺ
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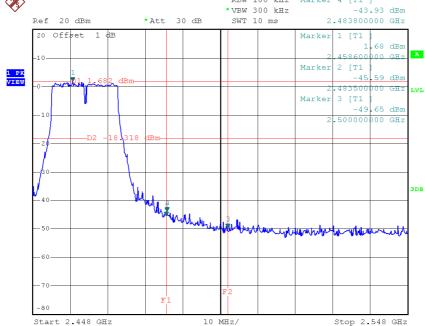
Report No.: BTL-FCCP-1-1502C109





Date: 28.FEB.2015 08:23:53

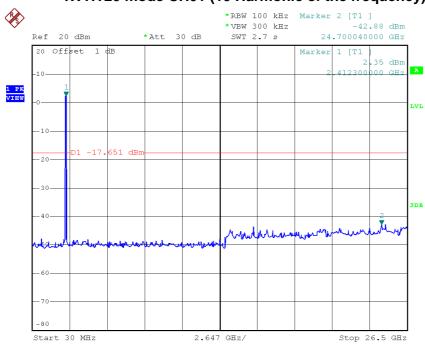
TX HT20 mode CH11 *RBW 100 kHz Marker 4 [T1] *VBW 300 kHz SWT 10 ms Ref 20 dBm *Att 30 dB



Date: 28.FEB.2015 08:25:52

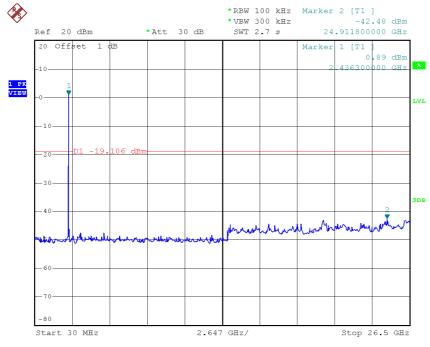






Date: 28.FEB.2015 08:23:46

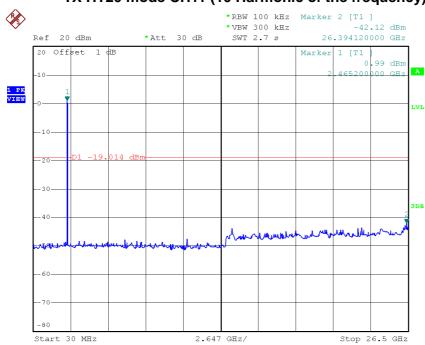
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 28.FEB.2015 08:24:51







Date: 28.FEB.2015 08:25:45

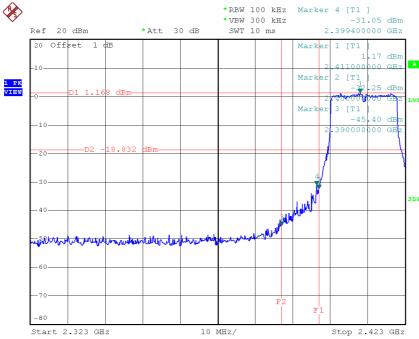


Test Mode :	TX N-20M Mode_ANT 2

Report No.: BTL-FCCP-1-1502C109

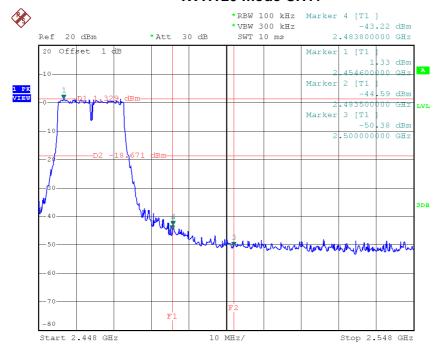






Date: 28.FEB.2015 08:35:57

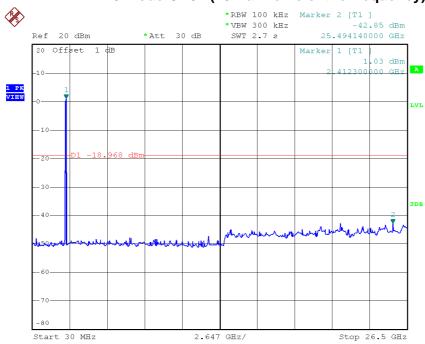
TX HT20 mode CH11



Date: 28.FEB.2015 08:37:36

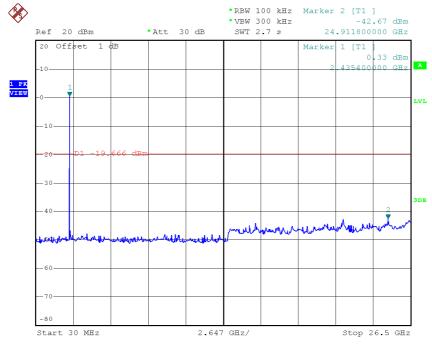






Date: 28.FEB.2015 08:35:50

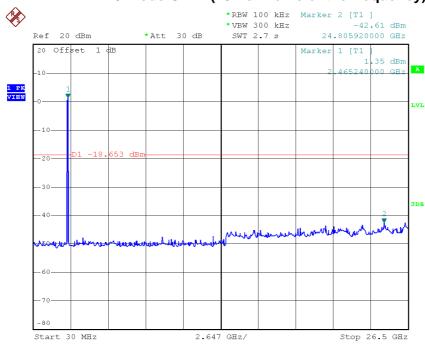
TX HT20 mode CH06 (10 Harmonic of the frequency)



Date: 28.FEB.2015 08:36:45







Date: 28.FEB.2015 08:37:29

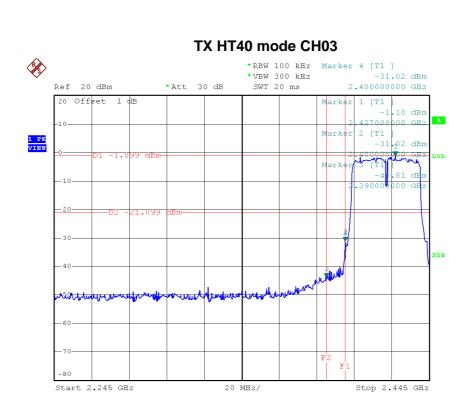
Report No.: BTL-FCCP-1-1502C109 Page 120 of 143



est Mode :	TX N-40M Mode_ANT 1	

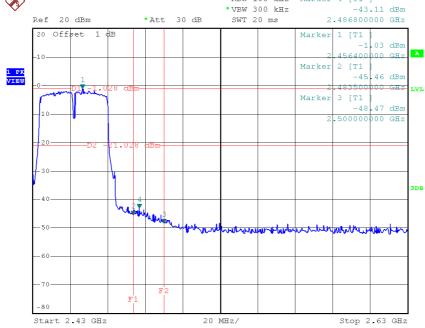
Report No.: BTL-FCCP-1-1502C109





Date: 28.FEB.2015 08:27:27

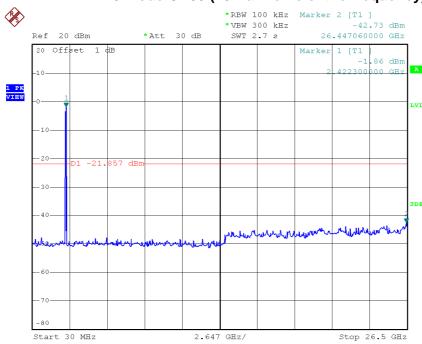
TX HT40 mode CH09 *RBW 100 kHz Marker 4 [T1]



Date: 28.FEB.2015 08:29:14

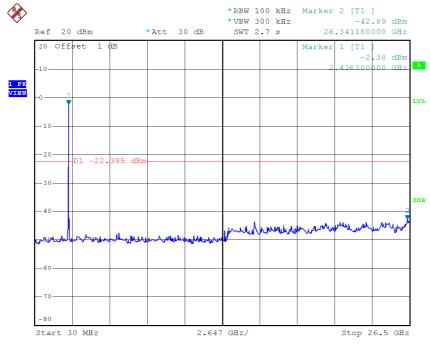






Date: 28.FEB.2015 08:27:20

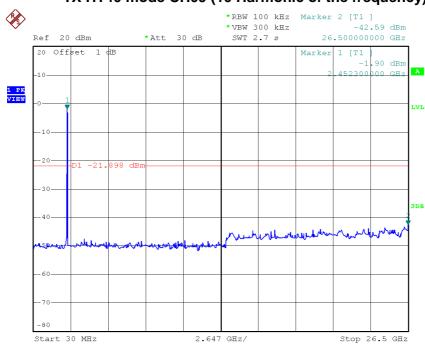
TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 28.FEB.2015 08:28:13







Date: 28.FEB.2015 08:29:06

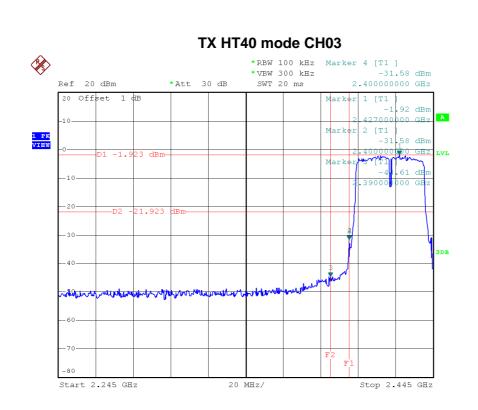
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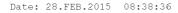


est Mode :	TX N-40M Mode_ANT 2
	<u> </u>

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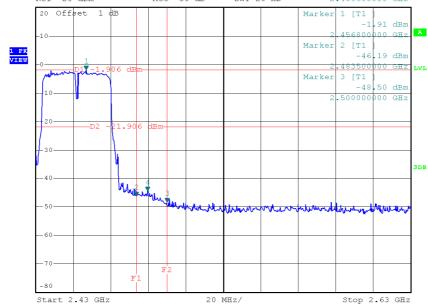






*RBW 100 kHz Marker 4 [T1] *VBW 300 kHz -44.55 dBm Ref 20 dBm *Att 30 dB SWT 20 ms 2.489600000 GHz 20 Offset 1 dB Marker 1 [T1]

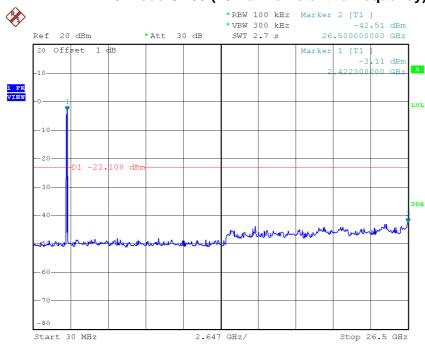
TX HT40 mode CH09



Date: 28.FEB.2015 08:40:13

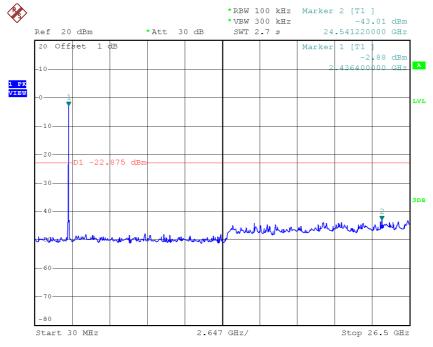






Date: 28.FEB.2015 08:38:29

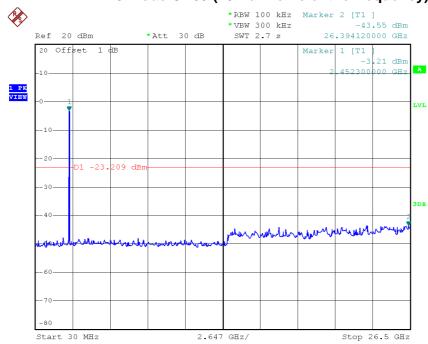
TX HT40 mode CH06 (10 Harmonic of the frequency)



Date: 28.FEB.2015 08:39:20







Date: 28.FEB.2015 08:40:05



ATTACHMENT H - POWER SPECTRAL DENSITY				

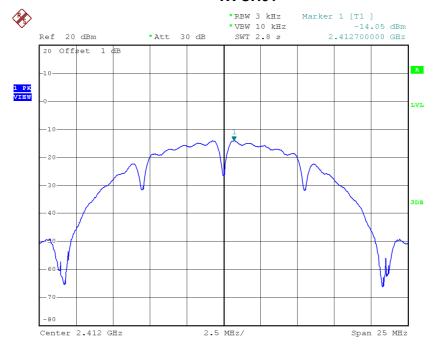
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Test Mode :TX B Mode_CH01/06/11_ANT 1

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.05	0.04	8.00	Complies
2437	-14.15	0.04	8.00	Complies
2462	-14.19	0.04	8.00	Complies

TX CH01



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Date: 28.FEB.2015 08:18:47

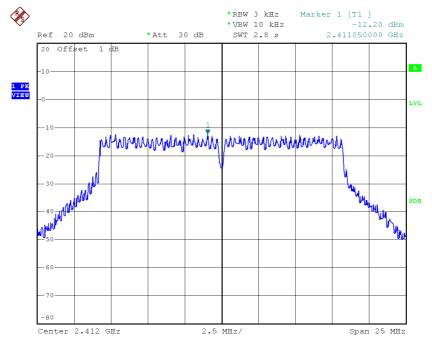
Date: 28.FEB.2015 08:19:49



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	-12.20	0.06	8.00	Complies
2437	-12.34	0.06	8.00	Complies
2462	-11.96	0.06	8.00	Complies

TX CH01

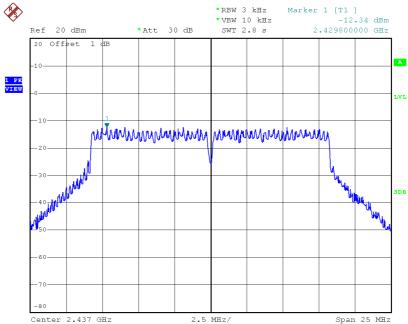


Date: 28.FEB.2015 08:21:08

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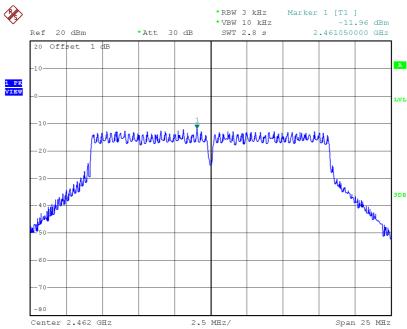






Date: 28.FEB.2015 08:21:52

TX CH11



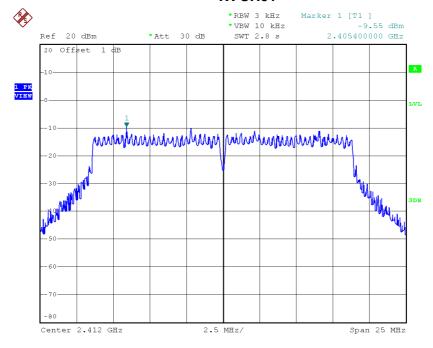
Date: 28.FEB.2015 08:22:46



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

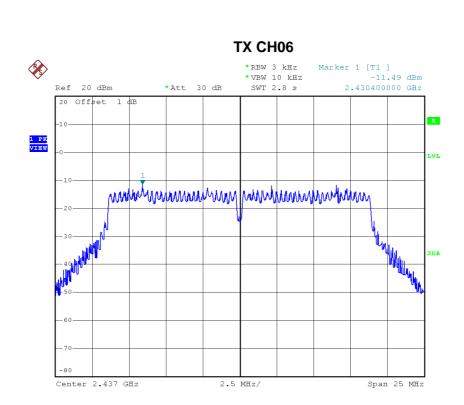
Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-9.55	0.11	8.00	Complies
2437	-11.49	0.07	8.00	Complies
2462	-11.99	0.06	8.00	Complies

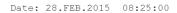
TX CH01

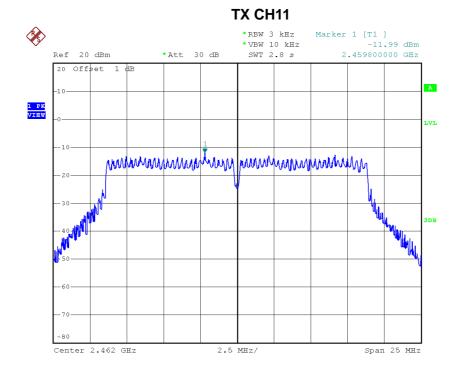


Date: 28.FEB.2015 08:24:02









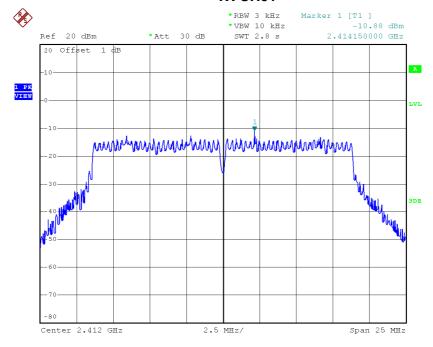
Date: 28.FEB.2015 08:26:01



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	-10.88	0.08	8.00	Complies
2437	-11.82	0.07	8.00	Complies
2462	-11.40	0.07	8.00	Complies

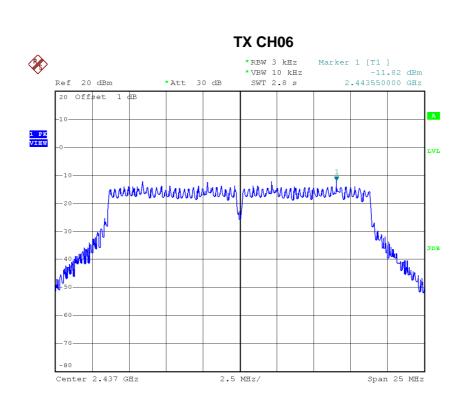
TX CH01



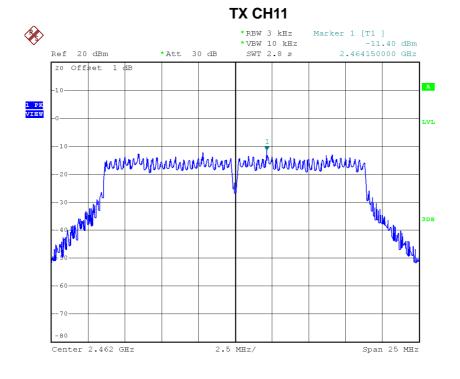
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Date: 28.FEB.2015 08:36:54



Date: 28.FEB.2015 08:37:45



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	-7.16	0.19	8.00	Complies
2437	-8.65	0.14	8.00	Complies
2462	-8.68	0.14	8.00	Complies

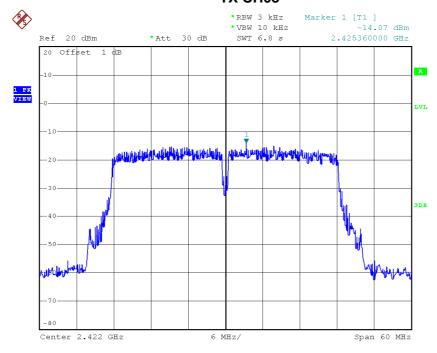
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Test Mode: TX N-40M Mode_CH03/06/09_ANT 1

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-14.07	0.04	8.00	Complies
2437	-13.53	0.04	8.00	Complies
2452	-13.15	0.05	8.00	Complies

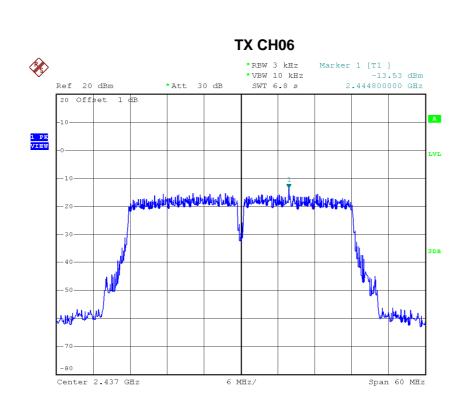
TX CH03

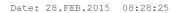


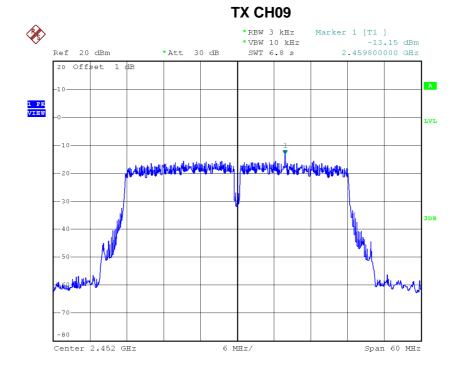
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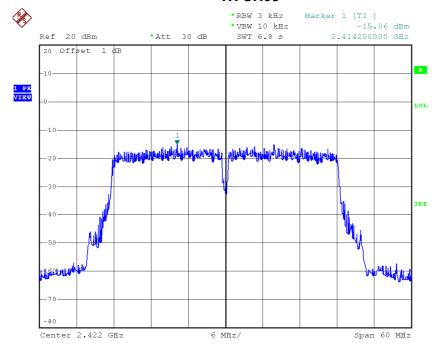
Date: 28.FEB.2015 08:29:26



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	-15.06	0.03	8.00	Complies
2437	-15.13	0.03	8.00	Complies
2452	-14.03	0.04	8.00	Complies

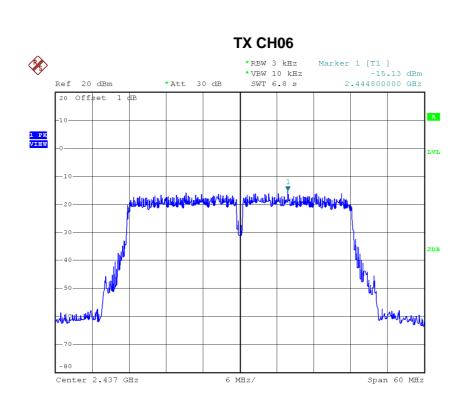
TX CH03

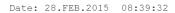


Date: 28.FEB.2015 08:38:48

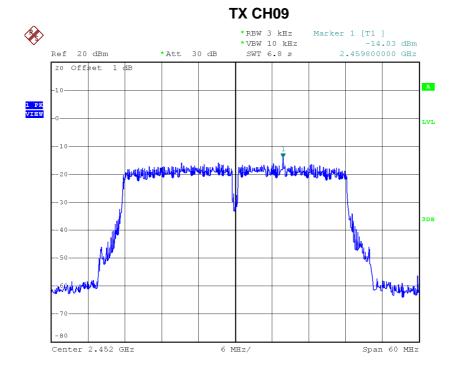
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Test Mode: TX N-40M Mode_CH03/06/09_Total

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-11.53	0.07	8.00	Complies
2437	-11.24	0.08	8.00	Complies
2452	-10.56	0.09	8.00	Complies

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