



FCC Radio Test Report

FCC ID: OMOC84428

This report concerns (check on	ne): ⊠Original Grant ⊡Class I Change ⊡Class II Change
Equipment : W Model Name : C Applicant : L Address : 2	705C284 VEATHER FORECAST STATION C84428 La Crosse Technology Ltd. C809 Losey Blvd. S. La Crosse Wisconsin 54601 United States
Date of Test : J Issued Date : J	Jun. 01, 2017 Jun. 01, 2017 ~ Jun. 19, 2017 Jun. 20, 2017 3TL Inc.
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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1705C284	Original Issue.	Jun. 20, 2017

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1. CERTIFICATION

Equipment : WEATHER FORECAST STATION

Brand Name: La Crosse Technology

Model Name: C84428

Applicant : La Crosse Technology Ltd. Manufacturer: La Crosse Technology

Address : 2809 Losey Blvd. S. La Crosse Wisconsin 54601 United States

Factory : La Crosse Technology Address : 2809 Losey Blvd. S. La Crosse Wisconsin 54601 United States

Date of Test : Jun. 01, 2017 ~ Jun. 19, 2017

Test Sample: Engineering Sample

Standard(s) : FCC Part15, Subpart C:(15.247) / ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1705C284) 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				
Standard(s) Section	Test Item	Judgment	Remark	
15.207	Conducted Emission	PASS		
15.247(d)	Antenna conducted Spurious Emission	PASS		
15.247(a)(2)	6dB Bandwidth	PASS		
15.247(b)(3)	Peak Output Power	PASS		
15.247(e)	Power Spectral Density	PASS		
15.203	Antenna Requirement	PASS		
15.247(d)/ 15.205/ 15.209	Transmitter Radiated Emissions	PASS		

NOTE:

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

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2.1 TEST FACILITY

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

BTL's test firm number for FCC: 319330

2.2 MEASUREMENT UNCERTAINTY

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

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

A. Conducted Measurement:

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

B. Radiated Measurement:

Wode di official.					
Test Site	Method	Measurement Frequency	Ant.	U, (dB)	
Tool Oile	Metrica	Range	H/V	O, (GD)	
		9KHz~30MHz	V	3.79	
		9KHz~30MHz	Ι	3.57	
		30MHz ~ 200MHz	V	3.82	
	DG-CB03 CISPR	30MHz ~ 200MHz	Ι	3.78	
DG-CB03		200MHz ~ 1,000MHz	V	4.10	
DG-CB03	CISER	200MHz ~ 1,000MHz	Ι	4.06	
		1GHz~18GHz	V	3.12	
			1GHz~18GHz	Ι	3.68
		18GHz~40GHz	V	4.15	
		18GHz~40GHz	Н	4.14	

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

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3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	WEATHER FORECAST STATION		
Brand Name	La Crosse Technology		
Model Name	C84428		
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 150 Mbps	
	Output Power (Max.)	802.11b: 15.51dBm 802.11g: 24.53dBm 802.11n(20MHz): 24.96dBm	
Power Source	DC voltage supplied from AC/DC adapter. Model: HX06-0500600-AU-001		
Power Rating	I/P: 100-240V~50/60Hz 0.3A Max O/P: 5.0V == 600mA		

Note

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

2. Channel List:

	CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz)						
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)
1	N/A	N/A	PCB	N/A	0

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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	Normal Link

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 4	Normal Link

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	

For Band Edge 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	

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6dB Spectrum Bandwidth		
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	

Maximum Conducted Output Power		
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	

Power Spectral Density		
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	

Note:

- (1) The measurements are performed at the high, middle, low available channels.
- (2) 802.11b mode: DBPSK (1Mbps) 802.11g mode: OFDM (6Mbps)

 - 802.11n HT20 mode : BPSK (6.5Mbps)
 - 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

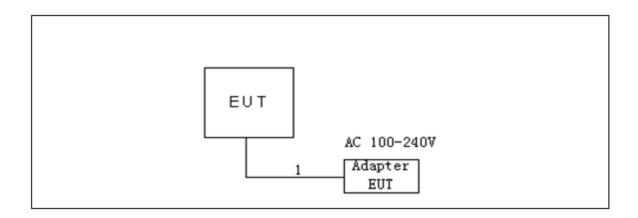
Test software version	SecureCRT		
Frequency (MHz)	2412	2437	2462
802.11b	42	54	60
802.11g	32	24	48
802.11n (20MHz)	24	22	48

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3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

Item	Shielded Type	Ferrite Core	Length	Note
1	NO	NO	1.2m	DC Cable

Note:

(1) For detachable type I/O cable should be specified the length in m in <code>"Length_"</code> column.

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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)

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

Note:

- (1) The limit of " * " decreases with the logarithm of the frequency
- (2) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Insertion Loss + Cable Loss + Attenuator Factor(if use) Margin Level = Measurement Value - Limit Value

The following table is the setting of the receiver

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

4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

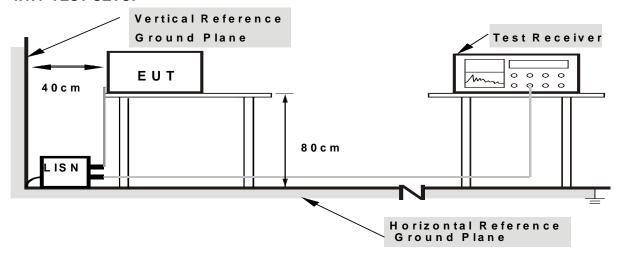
No deviation

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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 placed on the test table and programmed in normal function.

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.

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4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

LIMITS OF RADIATED EMISSION MEASUREMENT (9KHz-1000MHz)

Frequency	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)	
Frequency (Miriz)	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

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

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

4.2.2 TEST PROCEDURE

- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

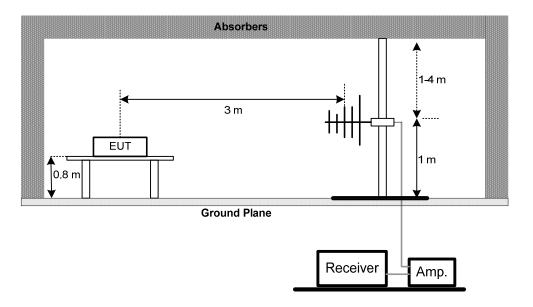
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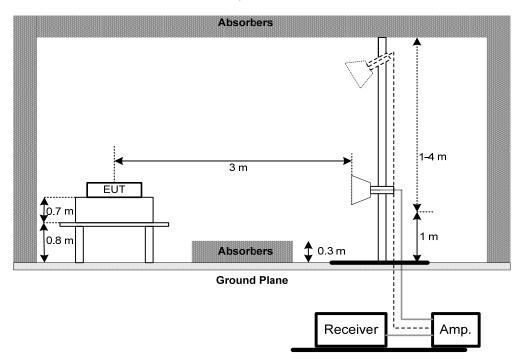


4.2.4 TEST SETUP

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



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

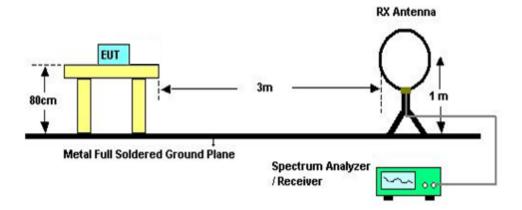


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(C) For Radiated Emissions Below 30MHz



4.2.5 EUT OPERATING CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

4.2.6 EUT TEST CONDITIONS

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

4.2.7 TEST RESULTS (9KHZ TO 30MHZ)

Please refer to the Attachment B

Remark:

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

4.2.8 TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

4.2.9 TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

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

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5. BANDWIDTH TEST

5.1 APPLIED PROCEDURES

FCC Part15 (15.247) , Subpart C					
Section	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 was programmed to be in continuously transmitting mode.

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

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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 9.2 of FCC KDB 558074 D01 DTS Meas Guidance.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP

EUT	Power Meter
	1 Ower meter

6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

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

7.1.1 TEST PROCEDURE

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

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.

7.1.5 EUT TEST CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.

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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)						
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 was programmed to be in continuously transmitting mode.

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment H.

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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	0052765	Mar. 26, 2018	
2	LISN	R&S	ENV216	101447	Mar. 26, 2018	
3	Test Cable	emci	RG223(9KHz -30MHz)	C_17	Mar. 07, 2018	
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 26, 2018	
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 26, 2018	
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. 26, 2018	
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017	
3	Receiver	AGILENT	N9038A	MY5213003 9	Sep. 04, 2017	
4	Test Cable	emci	LMR-400(30MH z-1GHz)	C-01	Jun. 27, 2017	
5	Control	CT	SC100	N/A	N/A	
6	Position Control	MF	MF-7802	MF78020841 6	N/A	
7	Antenna	ETS	3115	00075789	Mar. 26, 2018	
8	Amplifier	Agilent	8449B	3008A02274	Feb. 22, 2018	
9	Test Cable	emci	EMC104-SM-S M-10000(1GHz -26.5GHz)	C-68	Jun. 26, 2017	
10	Controller	CT	SC100	N/A	N/A	
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 22, 2018	
12	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018	
13	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017	
14	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A	

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	6dB Bandwidth Measurement					
Item Kind of Equipment Manufacturer Type No. Serial No. Calibrated un						
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017	

	Peak Output Power Measurement						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	P-series Power meter	Agilent	N1911A	MY45100473	Sep. 04, 2017		
2	Wireband Power sensor	Agilent	N1921A	MY51100041	Sep. 04, 2017		

	Antenna Conducted Spurious Emission Measurement								
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until				
1	Spectrum Analyzer R&S		FSP 40	100185	Sep. 04, 2017				

	Power Spectral Density Measurement								
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until				
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017				

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

All calibration period of equipment list is one year.

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10. EUT TEST PHOTO







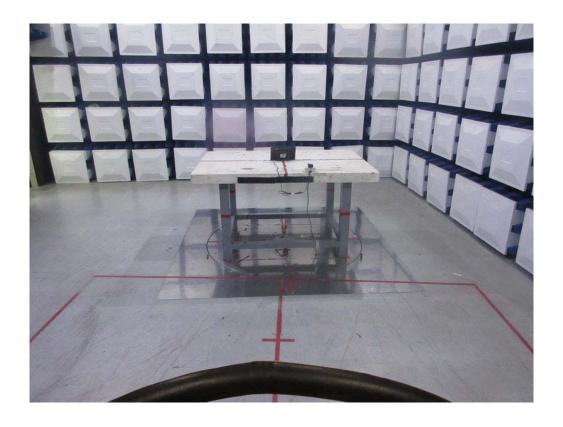
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Radiated Measurement Photos





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Radiated Measurement Photos







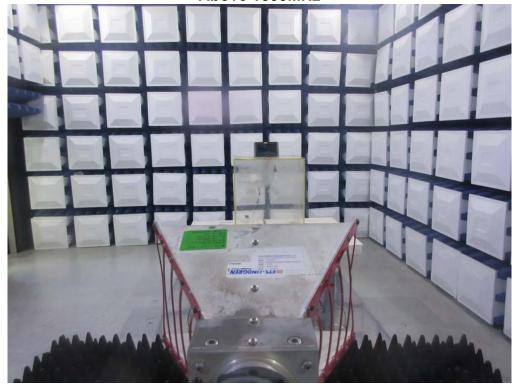
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Radiated Measurement Photos

Above 1000MHz





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ATTACHMENT A - CONDUCTED EMISSION

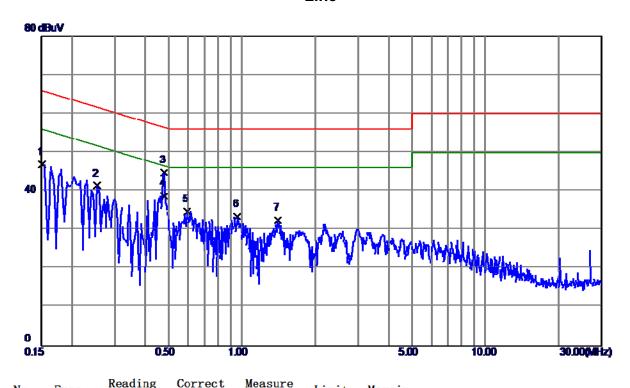
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Test Mode : Normal Link

Line



No.	Freq.	Leve1	Factor	measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0. 1508	37. 06	9. 75	46.81	65. 96	-19. 15	Peak	
2	0. 2535	31. 63	9. 73	41. 36	6 1. 6 4	-20. 28	Peak	
3	0. 4785	35. 02	9. 76	44. 78	56. 37	-11. 59	Peak	
4 *	0. 4785	28. 90	9. 76	38. 66	46. 37	-7. 71	AVG	
5	0. 5955	24. 95	9. 76	34. 71	56.00	-21. 29	Peak	
6	0. 9600	23. 72	9. 78	33. 50	56.00	-22. 50	Peak	
7	1. 4010	22. 72	9.80	32. 52	56. 00	-23. 48	Peak	

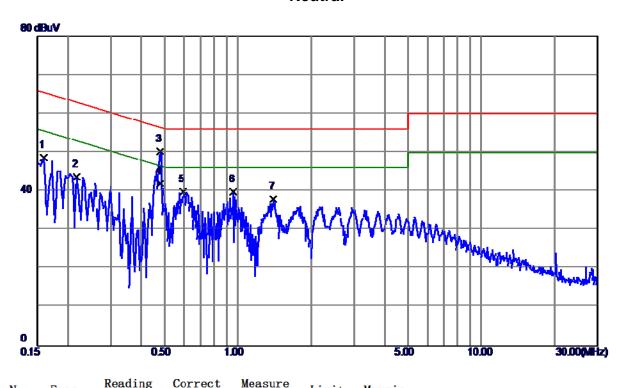
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Test Mode : Normal Link

Neutral



No.	Freq.	keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0. 1590	39. 02	9.64	48. 66	65. 52	-16. 86	Peak	
2	0. 2175	33. 98	9. 65	43. 63	62. 91	-19. 28	Peak	
3	0. 4785	40. 56	9. 66	50. 22	56. 37	-6. 15	Peak	
4 *	0. 4785	32. 30	9. 66	41. 96	46. 37	-4.41	AVG	
5	0. 5955	30. 18	9. 66	39. 84	56.00	-16. 16	Peak	
6	0. 9555	30. 10	9. 68	39. 78	56.00	-16. 22	Peak	
7	1. 3965	28. 19	9. 68	37. 87	56. 00	-18. 13	Peak	

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

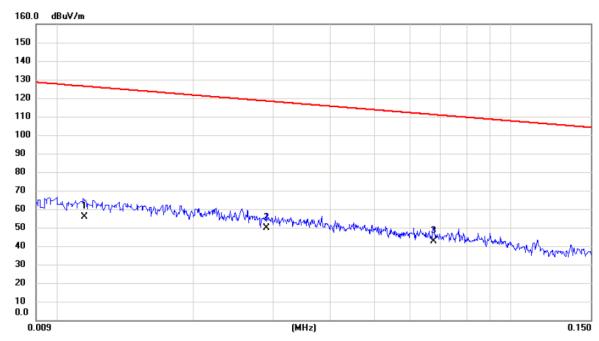
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Test Mode: TX B MODE CHANNEL 01

Ant 0°



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0115	35.16	20.72	55.88	126.39	-70.51	AVG	
2	0.0290	30.56	19.35	49.91	118.36	-68.45	AVG	
3 *	0.0677	24.38	18.38	42.76	110.99	-68.23	AVG	

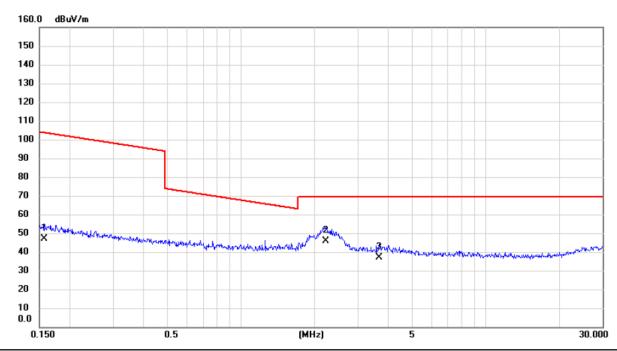
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Test Mode: TX B MODE CHANNEL 01

Ant 0°



No. Mk.	_	ding Correct vel Factor		Limit	Margin			
	MHz dE	uV dB	dBuV/m	dBuV/m	dB	Detector	Comment	
1	0.1573 30	.01 16.92	46.93	103.67	-56.74	AVG		
2 *	2.2132 30	.27 15.45	45.72	69.54	-23.82	QP		
3	3.6611 22	.04 15.05	37.09	69.54	-32.45	QP		
3	3.6611 22	.04 15.05	37.09	69.54	-32.45	QP		

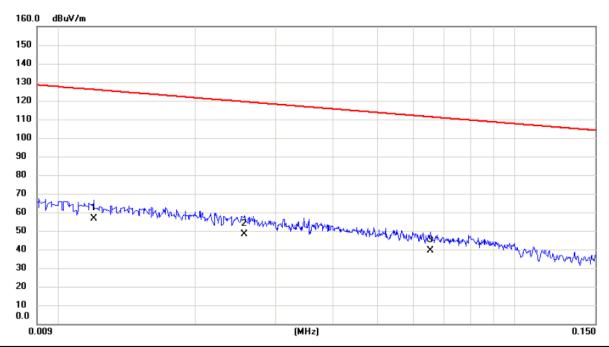
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Test Mode: TX B MODE CHANNEL 01

Ant 90°



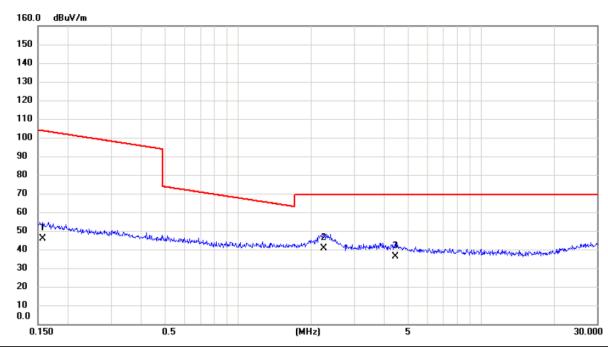
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure ment	- Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	0.0120	36.12	20.66	56.78	126.02	-69.24	AVG	
2		0.0256	28.92	19.45	48.37	119.44	-71.07	AVG	
3		0.0653	20.92	18.42	39.34	111.31	-71.97	AVG	

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Ant 90°



No. Mk.	Freq.	Reading Level	Correct Factor	Measure ment	- Limit	Margin		
-	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.1573	28.96	16.92	45.88	103.67	-57.79	AVG	
2 *	2.2486	25.17	15.44	40.61	69.54	-28.93	QP	
3	4.4305	21.54	14.71	36.25	69.54	-33.29	QP	

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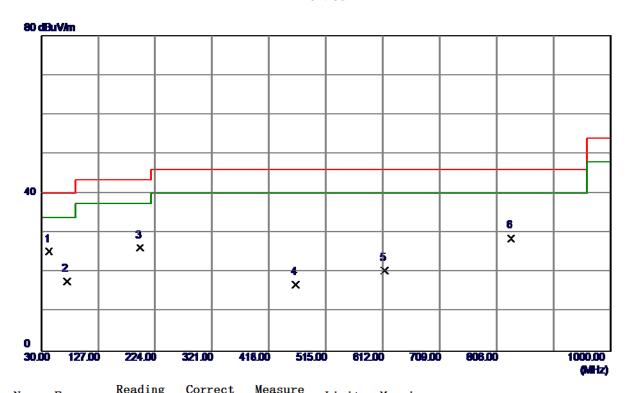
ATTACHMENT C - RADIATED EMISSION (30MHZ TO 1000MHZ)	

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Vertical



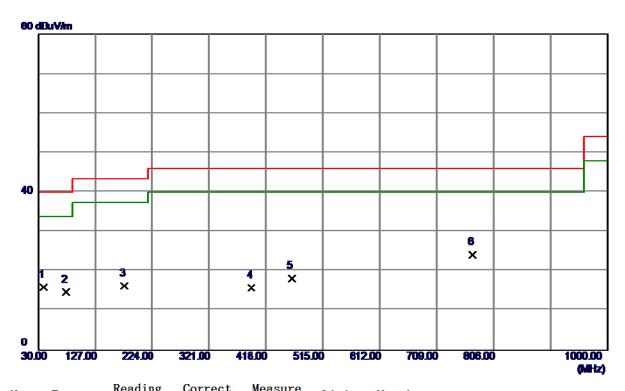
No.	Freq.	Leve1	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	42.6100	39. 42	-14. 21	25. 21	40.00	-14. 79	Peak	
2	73. 6500	35. 52	-17. 71	17. 81	40.00	-22. 19	Peak	
3	197. 8100	41. 31	-15. 01	26. 30	43. 50	-17. 20	Peak	
4	463. 5900	29. 44	−12. 42	17. 0 2	46.00	-28.98	Peak	
5	614. 9099	30. 15	-9.62	20. 53	46.00	-25. 47	Peak	
6	831. 2199	33. 69	-4. 97	28. 72	46.00	-17. 28	Peak	

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Horizontal



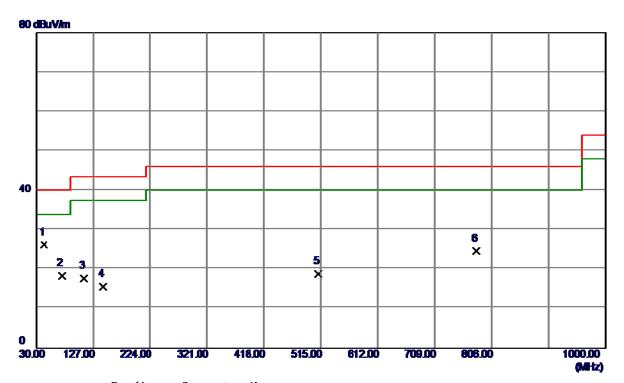
No.	Freq.	Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	38. 7300	30. 81	-14. 74	16. 07	40.00	-23. 93	Peak	
2	77. 5300	33. 21	−18. 47	14. 74	40.00	-25. 26	Peak	
3	176. 4700	29. 78	-13. 48	16. 30	43. 50	-27. 20	Peak	
4	392. 7800	29.84	-13. 93	15. 91	46.00	-30. 09	Peak	
b	461.6500	30. 64	-12. 46	18. 18	46.00	-27. 82	Peak	
6 *	770. 1100	30. 35	-6. 19	24. 16	46.00	-21. 84	Peak	

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Vertical



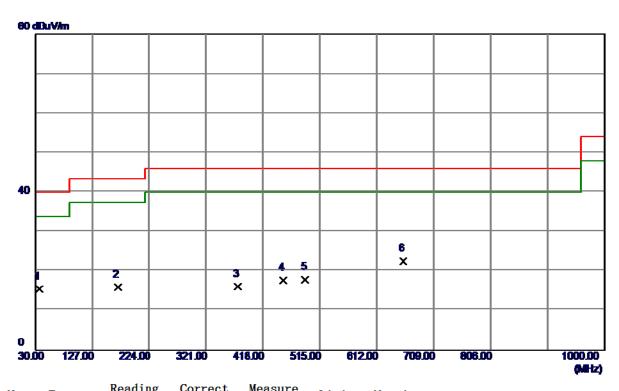
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	42.6100	40. 40	-14. 21	26. 19	40.00	-13. 81	Peak	
2	73. 6500	36. 11	-17. 71	18. 40	40.00	-21.60	Peak	
3	110. 5100	34. 88	-17. 13	17. 75	43. 50	-25. 75	Peak	
4	144. 4600	30. 76	-15. 07	15. 69	43. 50	-27. 81	Peak	
5	511. 1200	30. 42	-11. 53	18. 89	46.00	-27. 11	Peak	
6	779. 8100	30. 64	-6.02	24. 62	46.00	-21. 38	Peak	

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Horizontal



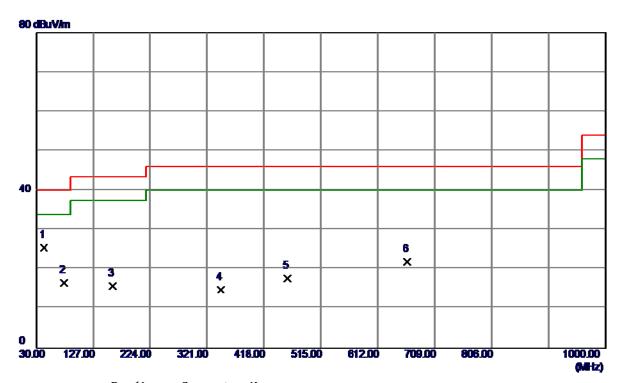
No.	Freq.	Leve1	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	36. 7900	30. 44	-14. 97	15. 47	40.00	-24. 53	Peak	
2	170.6500	29. 57	-13. 62	15. 95	43. 50	-27. 55	Peak	
3	374. 3500	30. 17	-14. 05	16. 12	46.00	-29.88	Peak	
4	452. 9200	30. 44	-12. 63	17. 81	46. 00	-28. 19	Peak	
5	490. 7500	29. 76	-11. 88	17. 88	46.00	-28. 12	Peak	
6 *	657. 5900	31. 49	-8. 92	22. 57	46.00	-23. 43	Peak	

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Vertical



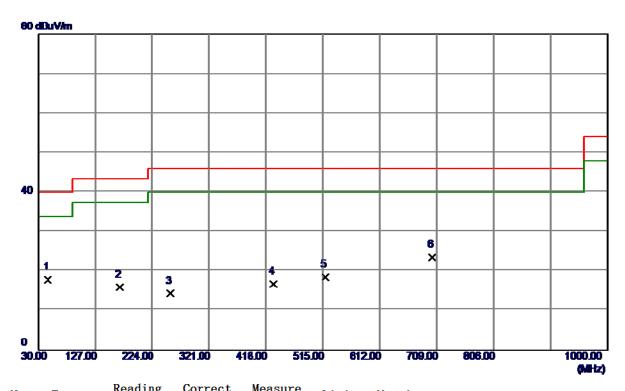
No.	Freq.	Reading Leve1	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	42.6100	39. 73	-14. 21	25. 52	40.00	-14. 48	Peak	
2	77. 5300	35. 13	-18. 47	16. 66	40.00	-23. 34	Peak	
3	159. 9800	30. 03	-14. 18	15. 85	43. 50	-27. 65	Peak	
4	344. 2800	29. 15	-14. 28	14. 87	46.00	-31. 13	Peak	
5	457. 7700	30. 25	-12. 54	17. 71	46.00	-28. 29	Peak	
6	662. 4400	30. 73	-8. 79	21. 94	46.00	-24. 06	Peak	

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Horizontal



No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	46. 4900	31. 49	-13. 61	17. 88	40.00	-22. 12	Peak	
2	168. 7100	29.67	-13. 71	15. 96	43. 50	-27. 54	Peak	
3	255. 0400	31. 47	-17. 07	14. 40	46.00	-31.60	Peak	
4	430.6100	29.88	-13. 15	16. 73	46.00	-29. 27	Peak	
b	518. 8800	29. 93	-11. 40	18. 53	46.00	-27. 47	Peak	
6	701. 2400	31. 33	-7. 77	23. 56	46.00	-22. 44	Peak	

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ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

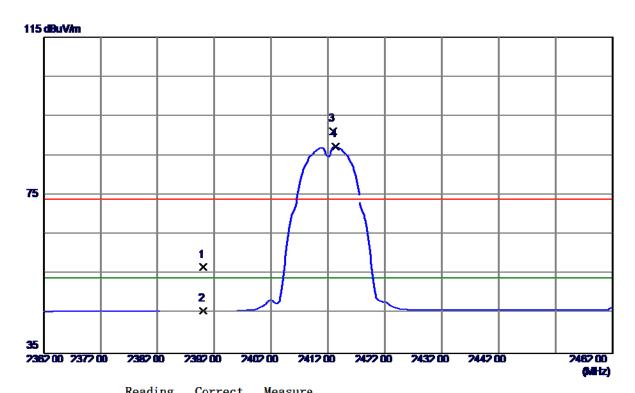
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Orthogonal Axis:	X
Test Mode :	TX B MODE 2412MHz

Vertical



No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	24. 33	32. 38	56. 71	74.00	-17. 29	Peak	
2	2390. 0000	13. 29	32. 38	45. 67	54.00	-8. 33	AVG	
3	2412. 9000	58. 66	32. 46	91. 12	74. 00	17. 12	Peak	No Limit
4 *	2413. 3000	54. 86	32. 46	87. 32	54.00	33. 32	AVG	No Limit

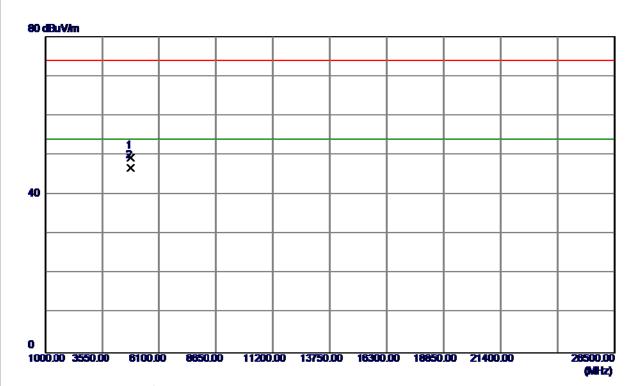
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Orthogonal Axis: X
Test Mode: TX B MODE 2412MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823. 8100	42. 95	6. 32	49. 27	74.00	-24. 73	Peak	
2 *	4823. 9350	40. 40	6. 32	46. 72	54. 00	-7. 28	AVG	

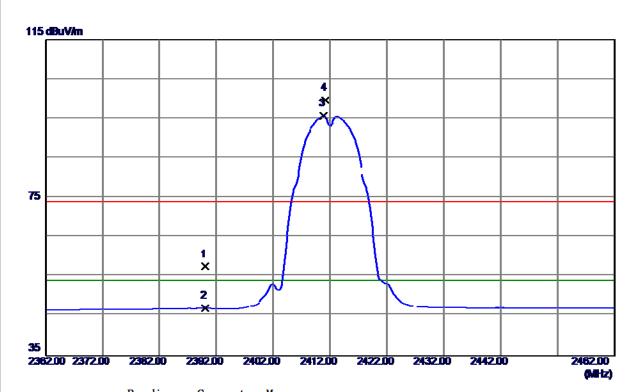
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Orthogonal Axis: X
Test Mode: TX B MODE 2412MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	24. 42	33. 06	57. 48	74.00	-16. 52	Peak	
2	2390. 0000	13.89	33. 06	46. 95	54.00	−7. 05	AVG	
3 *	2410. 9000	62. 48	33. 13	95. 61	54.00	41.61	AVG	No Limit
4	2411. 2000	66. 43	33. 14	99. 57	74.00	25. 57	Peak	No Limit

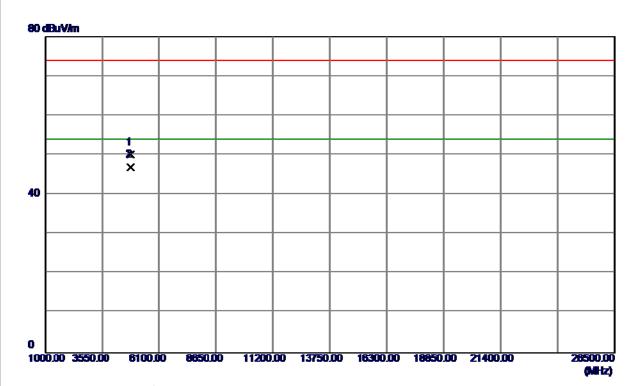
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Orthogonal Axis: X
Test Mode: TX B MODE 2412MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4823. 8849	43. 72	6. 32	50. 04	74.00	-23.96	Peak	
2 *	4823. 9000	40. 58	6. 32	46. 90	54.00	−7. 10	AVG	

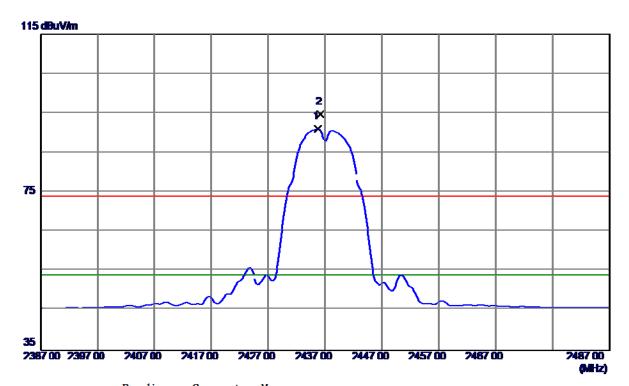
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Orthogonal Axis:	X
Test Mode :	TX B MODE 2437MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2435. 8000	58. 40	32. 54	90. 94	54.00	36. 94	AVG	No Limit
2	2436. 2000	62. 14	32. 54	94. 68	74.00	20. 68	Peak	No Limit

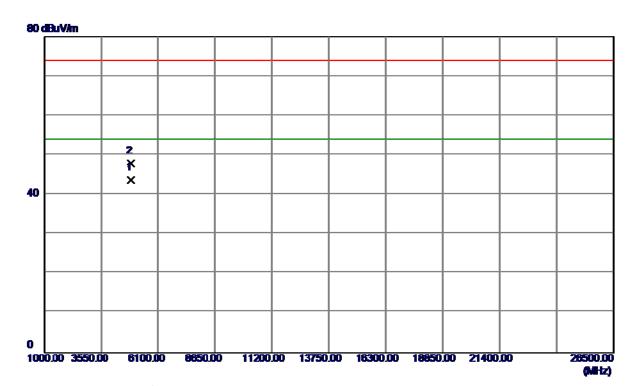
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Orthogonal Axis: X
Test Mode: TX B MODE 2437MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4873. 9049	37. 29	6. 44	43. 73	54.00	-10.27	AVG	
2	4873. 9100	41. 45	6. 44	47. 89	74.00	-26. 11	Peak	

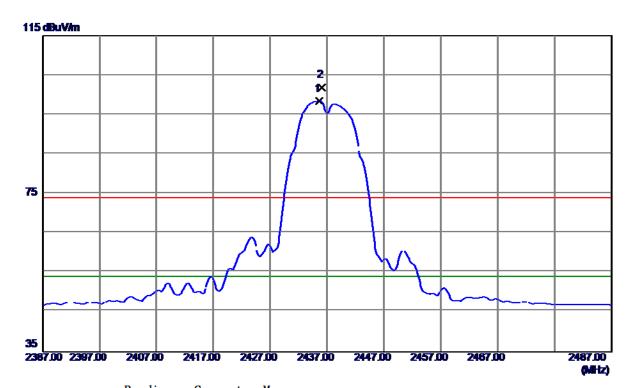
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Orthogonal Axis: X
Test Mode: TX B MODE 2437MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2435. 7000	65. 09	33. 23	98. 32	54.00	44. 32	AVG	No Limit
2	2436. 1000	68. 65	33. 23	101. 88	74. 00	27. 88	Peak	No Limit

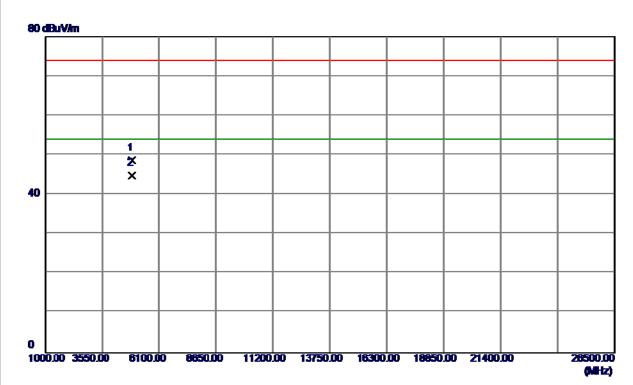
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Orthogonal Axis: X
Test Mode: TX B MODE 2437MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873. 9250	42. 17	6.44	48. 61	74.00	-25. 39	Peak	
2 *	4873. 9250	38. 4 1	6. 44	44. 85	54. 00	−9. 15	AVG	

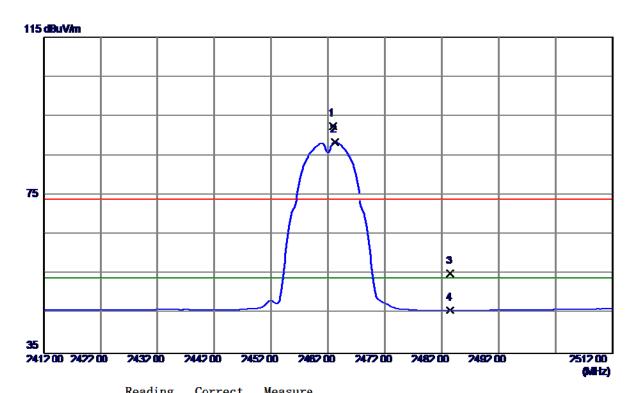
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Orthogonal Axis:	X
Test Mode :	TX B MODE 2462MHz

Vertical



No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2462. 9000	59. 74	32. 64	92. 38	74.00	18. 38	Peak	No Limit
2 *	2463. 2000	55. 88	32. 64	88. 52	54.00	34. 52	AVG	No Limit
3	2483, 5000	22. 41	32. 71	55. 12	74. 00	-18.88	Peak	
4	2483. 5000	13. 18	32. 71	45. 89	54.00	-8. 11	AVG	

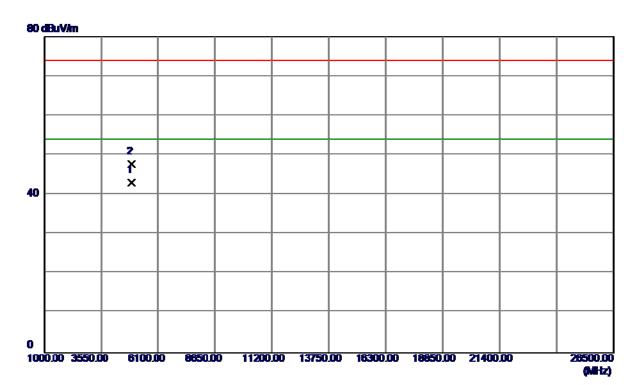
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Orthogonal Axis: X
Test Mode: TX B MODE 2462MHz

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923. 8900	36. 5 1	6. 57	43.08	54.00	-10.92	AVG	
2	4923. 9150	41. 16	6. 57	47. 73	74. 00	-26. 27	Peak	

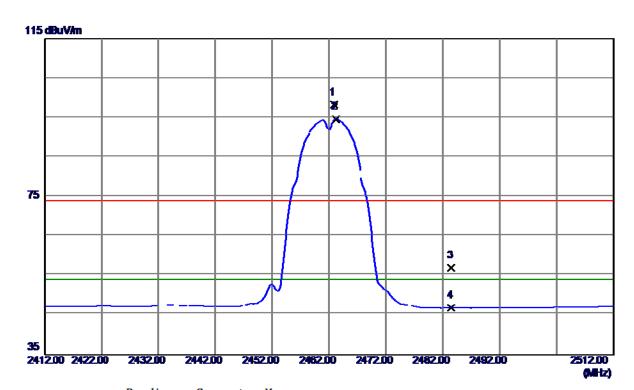
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Orthogonal Axis: X
Test Mode: TX B MODE 2462MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2462. 9000	64. 83	33. 33	98. 16	74.00	24. 16	Peak	No Limit
2 *	2463. 2000	61. 27	33. 33	94. 60	54.00	40.60	AVG	No Limit
3	2483. 5000	23. 46	33. 41	56. 87	74.00	-17. 13	Peak	
4	2483. 5000	13. 37	33. 41	46. 78	54.00	-7. 22	AVG	

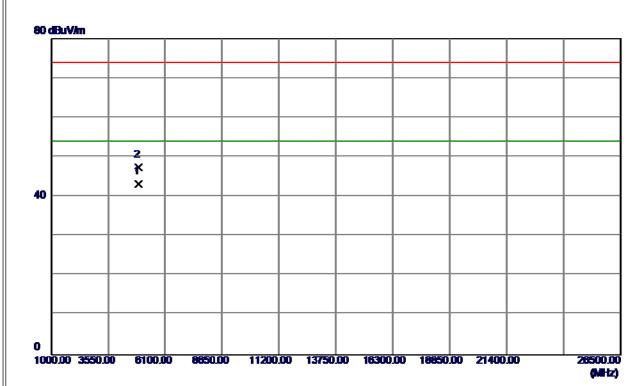
Report No.: BTL-FCCP-1-1705C284 Page 56 of 116





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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4923. 9049	36. 70	6. 57	43. 27	54.00	-10.73	AVG	
2	4923. 9200	40. 80	6. 57	47. 37	74. 00	-26. 63	Peak	

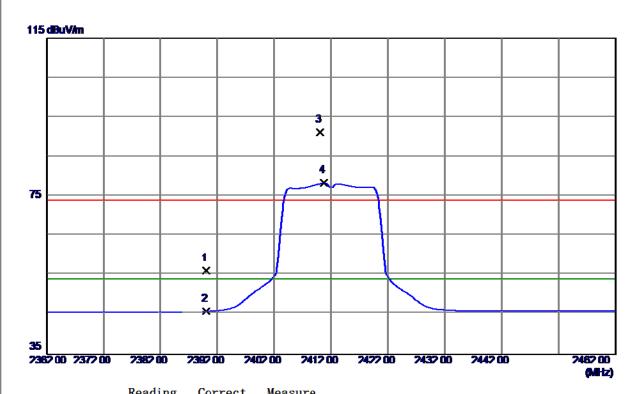
Report No.: BTL-FCCP-1-1705C284 Page 57 of 116





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

Vertical



No.	Freq.	Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	23. 78	32. 38	56. 16	74.00	-17. 84	Peak	
2	2390. 0000	13. 50	32. 38	45. 88	54.00	-8. 12	AVG	
3	2410. 1000	58. 64	32. 45	91. 09	74. 00	17. 09	Peak	No Limit
4 *	2410. 8000	45. 84	32. 45	78. 29	54.00	24. 29	AVG	No Limit

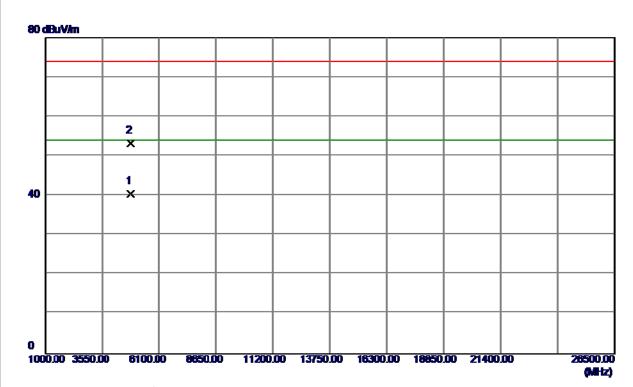
Report No.: BTL-FCCP-1-1705C284 Page 58 of 116





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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4825. 0200	34. 18	6. 32	40. 50	54.00	-13. 50	AVG	
2	4827. 4800	46. 87	6. 33	53. 20	74. 00	-20. 80	Peak	

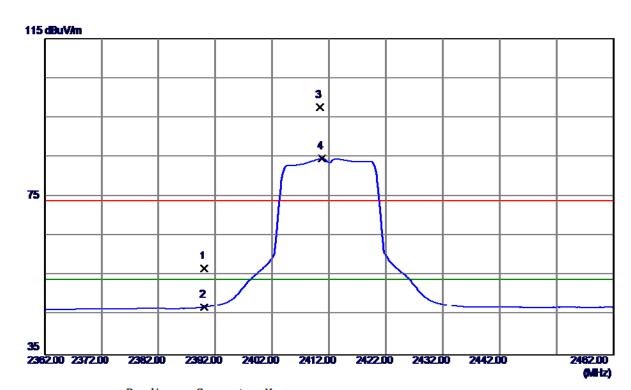
Report No.: BTL-FCCP-1-1705C284 Page 59 of 116





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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	23. 71	33. 06	56. 77	74.00	-17. 23	Peak	
2	2390. 0000	13. 94	33. 06	47. 00	54.00	-7. 00	AVG	
3	2410. 4000	64. 4 1	33. 13	97. 54	74.00	23. 54	Peak	No Limit
4 *	2410. 8000	51. 42	33. 13	84. 55	54.00	30. 55	AVG	No Limit

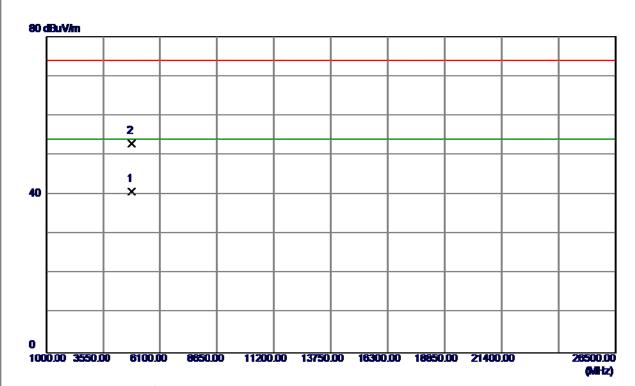
Report No.: BTL-FCCP-1-1705C284 Page 60 of 116





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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4824. 6200	34. 44	6. 32	40. 76	54.00	-13. 24	AVG	
2	4830. 2000	46.65	6. 33	52. 98	74.00	-21.02	Peak	

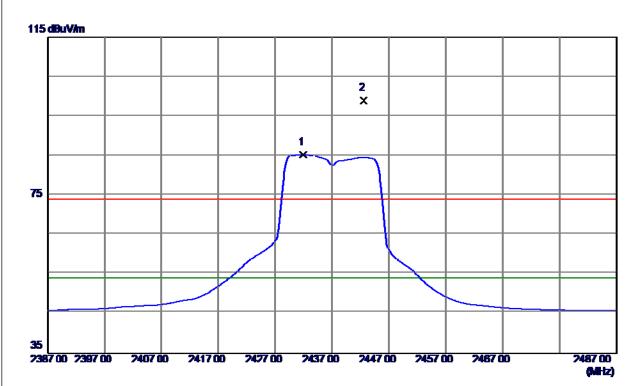
Report No.: BTL-FCCP-1-1705C284 Page 61 of 116





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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2431. 9000	52. 75	32. 53	85. 28	54.00	31. 28	AVG	No Limit
2	2442. 6000	66. 44	32. 56	99. 00	74.00	25. 00	Peak	No Limit

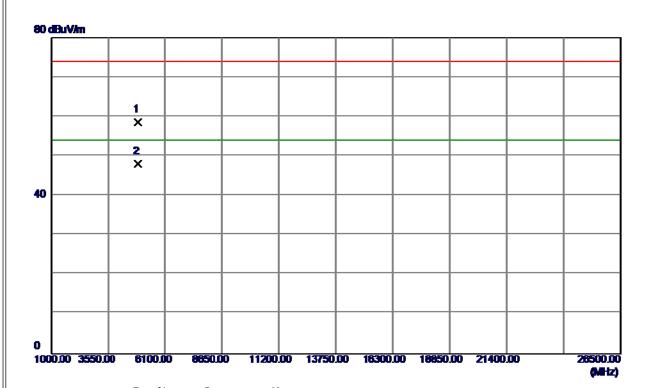
Report No.: BTL-FCCP-1-1705C284 Page 62 of 116





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

Vertical



No.	Freq.	keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4872. 3000	52. 15	6. 44	58. 59	74.00	-15. 41	Peak	
2 *	4874. 1000	41. 52	6. 44	47. 96	54.00	-6. 04	AVG	

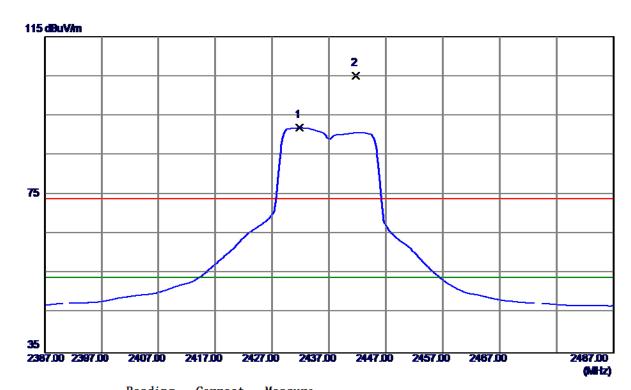
Report No.: BTL-FCCP-1-1705C284 Page 63 of 116





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

Horizontal



No.	Freq.	keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2431. 8000	58. 70	33. 21	91. 91	54.00	37. 91	AVG	No Limit
2	2441. 7000	71. 81	33. 25	105. 06	74. 00	31. 06	Peak	No Limit

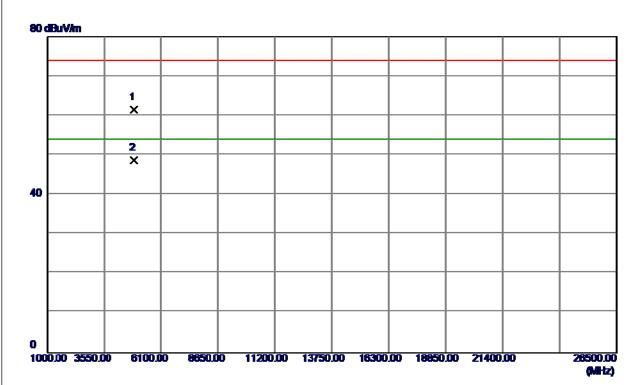
Report No.: BTL-FCCP-1-1705C284 Page 64 of 116





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

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873.0600	54. 94	6.44	61. 38	74.00	-12.62	Peak	
2 *	4875. 0000	42. 26	6. 44	48. 70	54. 00	-5. 30	AVG	

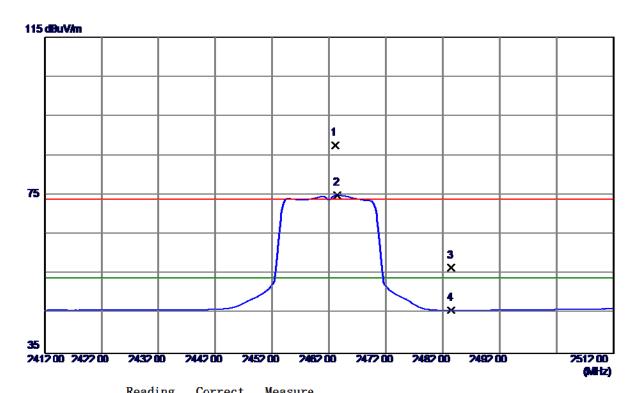
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Orthogonal Axis:	X
Test Mode :	TX G MODE 2462MHz

Vertical



No.	Freq.	Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2463. 1000	55. 0 1	32. 64	87. 65	74.00	13.65	Peak	No Limit
2 *	2463. 5000	42. 39	32. 64	75. 03	54. 00	21.03	AVG	No Limit
3	2483, 5000	23. 84	32. 71	56. 55	74. 00	-17. 45	Peak	
4	2483. 5000	13. 20	32. 71	45. 91	54.00	-8. 09	AVG	

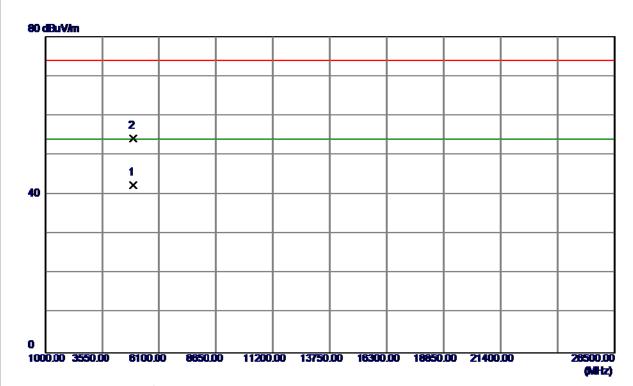
Report No.: BTL-FCCP-1-1705C284 Page 66 of 116





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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924. 4000	35. 83	6. 57	42. 40	54.00	-11.60	AVG	
2	4924. 4400	47. 73	6. 57	54. 30	74.00	-19.70	Peak	

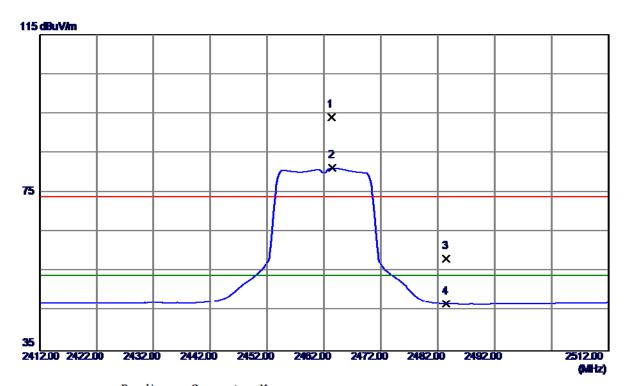
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Orthogonal Axis: X
Test Mode: TX G MODE 2462MHz

Horizontal



Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
2463. 3000	60. 75	33. 33	94. 08	74.00	20. 08	Peak	No Limit
2463. 5000	47. 85	33. 33	81. 18	54.00	27. 18	AVG	No Limit
2483. 5000	24. 87	33. 41	58. 28	74.00	-15. 72	Peak	
2483. 5000	13. 44	33. 41	46. 85	54.00	-7. 15	AVG	
	MHz 2463. 3000 2463. 5000 2483. 5000	Level Level	MHz dBuV/m dB 2463. 3000 60. 75 33. 33 2463. 5000 47. 85 33. 33 2483. 5000 24. 87 33. 41	MHz dBuV/m dB dBuV/m 2463. 3000 60. 75 33. 33 94. 08 2463. 5000 47. 85 33. 33 81. 18 2483. 5000 24. 87 33. 41 58. 28	MHz dBuV/m dB dBuV/m dBuV/m 2463. 3000 60. 75 33. 33 94. 08 74. 00 2463. 5000 47. 85 33. 33 81. 18 54. 00 2483. 5000 24. 87 33. 41 58. 28 74. 00	MHz dBuV/m dB dBuV/m dB Margin 2463. 3000 60. 75 33. 33 94. 08 74. 00 20. 08 2463. 5000 47. 85 33. 33 81. 18 54. 00 27. 18 2483. 5000 24. 87 33. 41 58. 28 74. 00 -15. 72	MHz dBuV/m dB dBuV/m dB uV/m dB uV/m </td

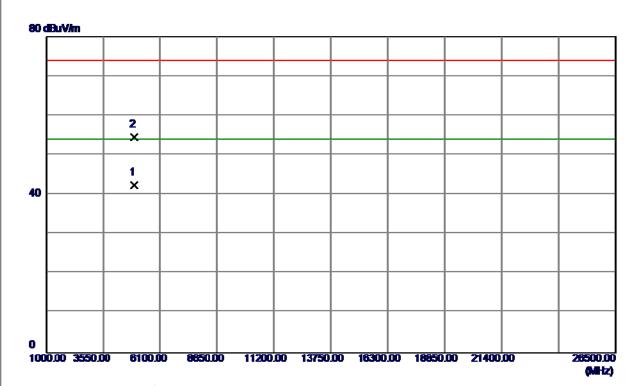
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Orthogonal Axis: X
Test Mode: TX G MODE 2462MHz

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924. 6800	35. 87	6. 57	42. 44	54.00	-11. 56	AVG	
2	4932. 2000	47. 94	6. 59	54. 53	74.00	-19.47	Peak	

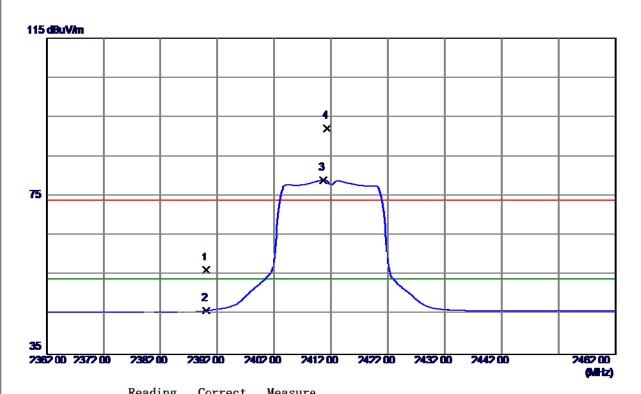
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Orthogonal Axis:	X
Test Mode :	TX N-20M MODE 2412MHz

Vertical



No.	Freq.	Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	23. 95	32. 38	56. 33	74.00	-17. 67	Peak	
2	2390. 0000	13. 68	32. 38	46. 06	54.00	-7.94	AVG	
3 *	2410. 7000	46. 62	32. 45	79. 07	54. 00	25. 07	AVG	No Limit
4	2411. 3000	59. 64	32. 45	92. 09	74.00	18. 09	Peak	No Limit

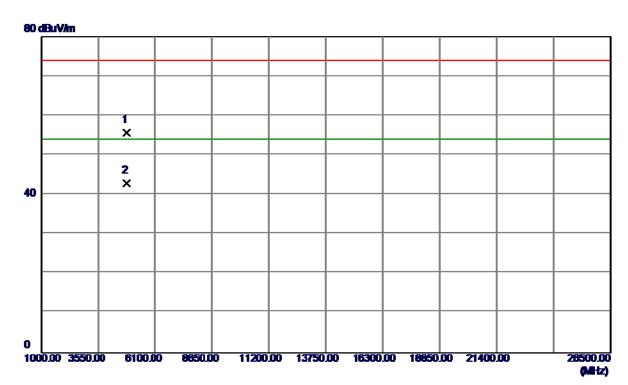
Report No.: BTL-FCCP-1-1705C284 Page 70 of 116





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

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4824. 7799	49. 30	6. 32	55. 62	74.00	-18.38	Peak	
2 *	4825. 8600	36. 52	6. 32	42.84	54.00	-11. 16	AVG	

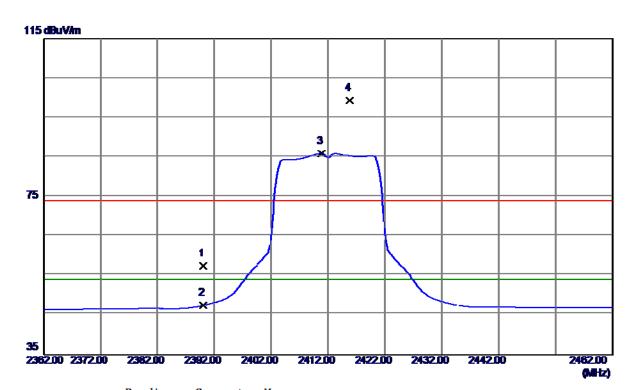
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Orthogonal Axis: X
Test Mode: TX N-20M MODE 2412MHz

Horizontal



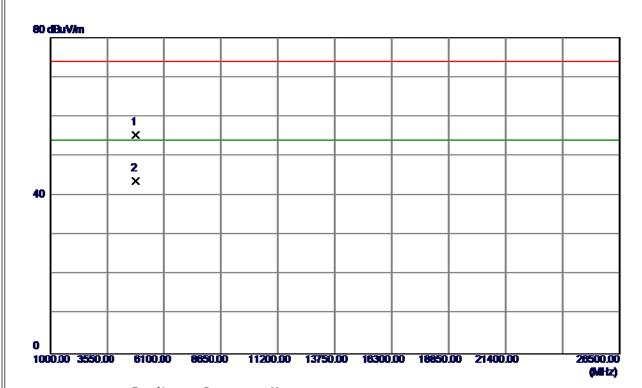
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	24. 30	33. 06	57. 36	74.00	-16.64	Peak	
2	2390. 0000	14. 36	33. 06	47. 42	54.00	-6. 58	AVG	
3 *	2410.9000	52. 75	33. 13	85. 88	54.00	31.88	AVG	No Limit
4	2415. 8000	66. 23	33. 15	99. 38	74. 00	25. 38	Peak	No Limit

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Horizontal



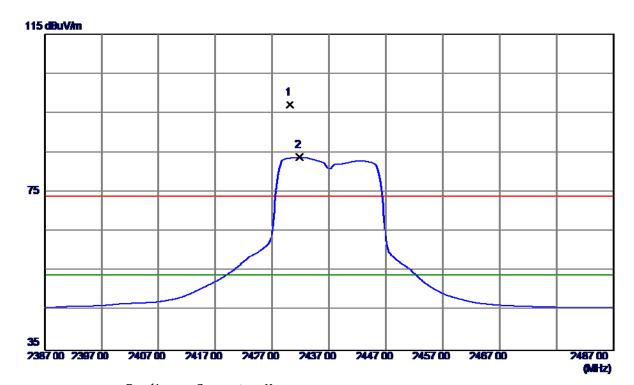
No.	Freq.	keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4820. 4400	49. 05	6. 31	55. 36	74.00	-18.64	Peak	
2 *	4824. 0000	37. 39	6. 32	43. 71	54. 00	-10. 29	AVG	

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Vertical



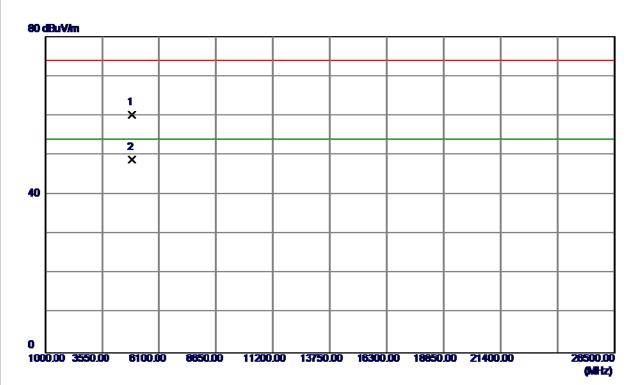
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2430. 1000	64. 59	32. 52	97. 11	74.00	23. 11	Peak	No Limit
2 *	2431. 8000	51. 20	32. 53	83. 73	54. 00	29. 73	AVG	No Limit

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Vertical



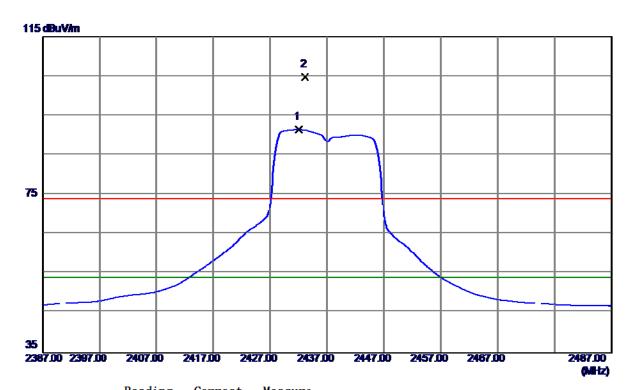
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4873. 6000	53. 73	6.44	60. 17	74.00	-13.83	Peak	
2 *	4874. 6200	42. 31	6. 44	48. 75	54. 00	-5. 25	AVG	

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Horizontal



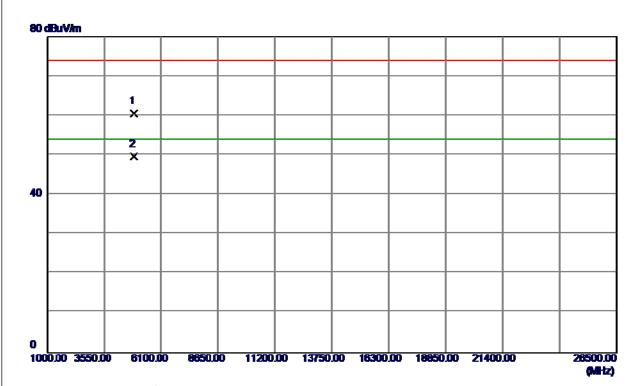
No.	Freq.	keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	2432. 0000	58. 24	33. 21	91. 45	54.00	37. 45	AVG	No Limit
2	2433. 1000	71. 62	33. 22	104. 84	74. 00	30. 84	Peak	No Limit

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Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4871. 9000	54. 0 1	6. 44	60. 45	74.00	-13. 55	Peak	
2 *	4874. 3200	43.09	6.44	49. 53	54.00	-4.47	AVG	

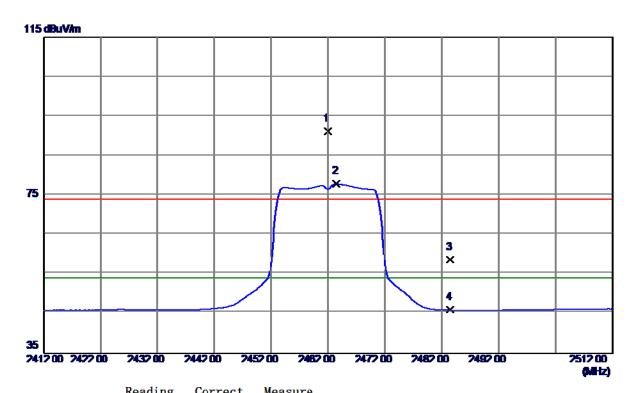
Report No.: BTL-FCCP-1-1705C284 Page 77 of 116





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

Vertical



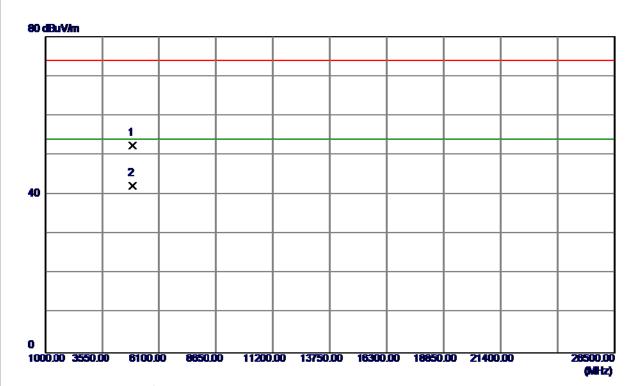
No.	Freq.	Level	Factor	measure	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2462. 0000	58. 56	32. 63	91. 19	74.00	17. 19	Peak	No Limit
2 *	2463. 5000	45. 21	32. 64	77. 85	54.00	23. 85	AVG	No Limit
3	2483, 5000	25. 95	32. 71	58. 66	74. 00	-15. 34	Peak	
4	2483. 5000	13. 26	32. 71	45. 97	54.00	-8. 03	AVG	

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Vertical



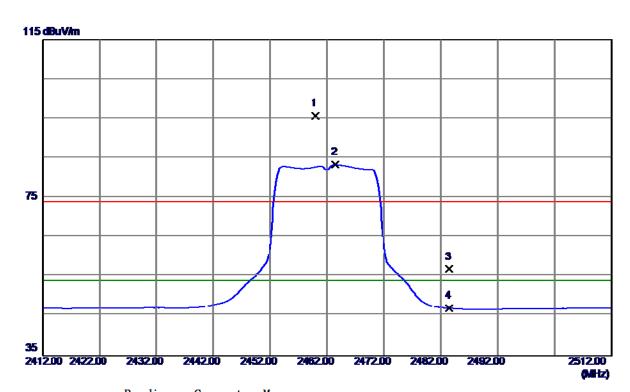
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	4922. 7799	45. 94	6. 57	52. 51	74.00	-21. 49	Peak	
2 *	4923. 5800	35. 69	6. 57	42. 26	54.00	-11. 74	AVG	

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Horizontal



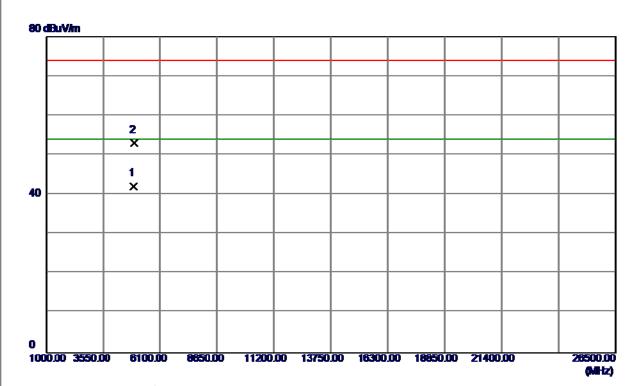
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2460. 0000	62. 28	33. 32	95. 60	74.00	21.60	Peak	No Limit
2 *	2463. 5000	49. 95	33. 33	83. 28	54.00	29. 28	AVG	No Limit
3	2483. 5000	23. 43	33. 41	56. 84	74.00	-17. 16	Peak	
4	2483. 5000	13. 57	33. 41	46. 98	54.00	-7. 02	AVG	

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Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	4924. 1600	35. 59	6. 57	42. 16	54.00	-11.84	AVG	
2	4924. 4000	46. 62	6. 57	53. 19	74.00	-20.81	Peak	

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ATTACHMENT E - BANDWIDTH	

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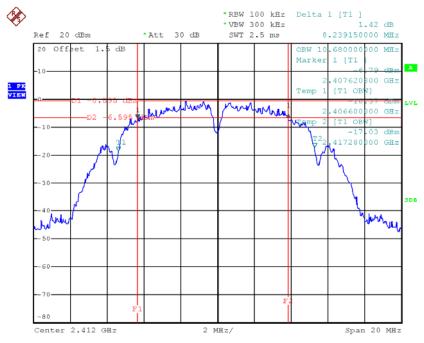




Test Mode: TX B Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	8.24	10.68	500	Complies
2437	7.96	10.6	500	Complies
2462	8.32	10.6	500	Complies

TX CH01



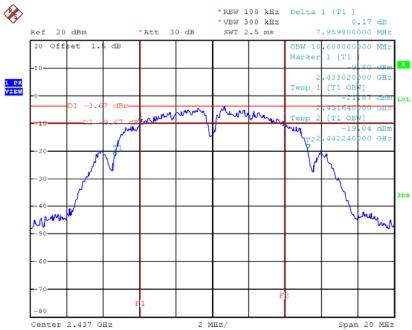
Date: 16.JUN.2017 16:44:52

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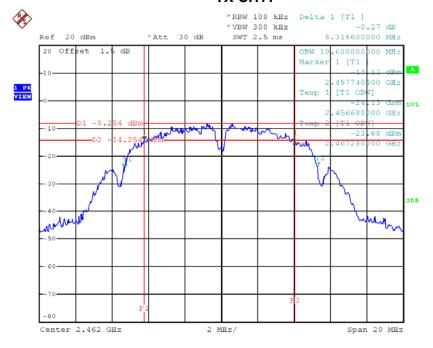






Date: 16.JUN.2017 16:53:18

TX CH11



Date: 16.JUN.2017 17:00:04

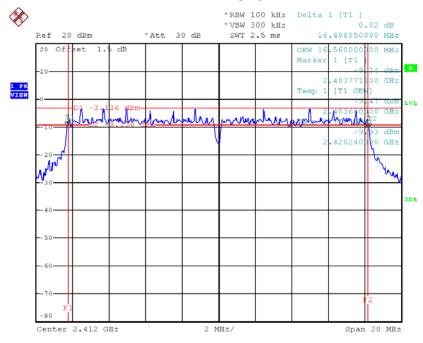




Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	16.41	16.56	500	Complies
2437	16.39	16.56	500	Complies
2462	16.44	16.52	500	Complies

TX CH01

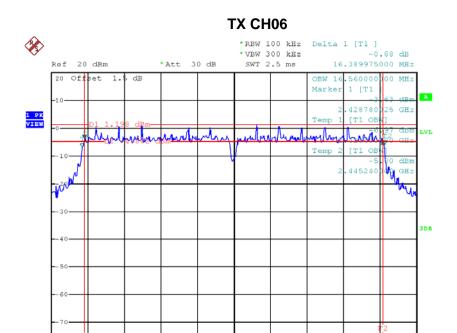


Date: 16.JUN.2017 17:02:01

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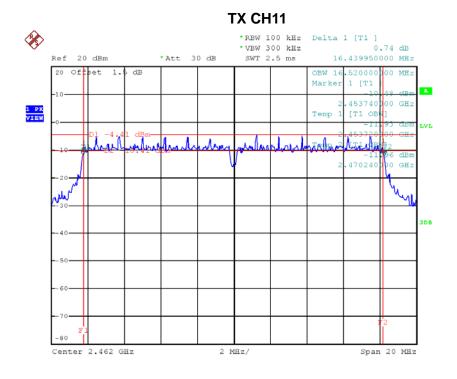




Span 20 MHz

Date: 16.JUN.2017 17:03:37

Center 2.437 GHz



Date: 16.JUN.2017 17:05:19

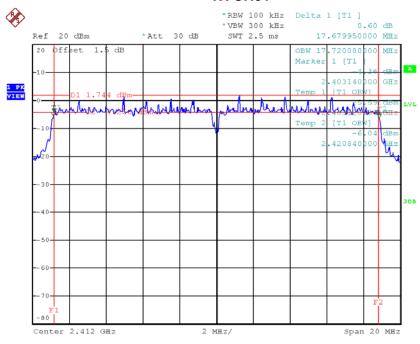




Test Mode: TX N-20MHz Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.68	17.72	500	Complies
2437	17.66	17.72	500	Complies
2462	17.66	17.76	500	Complies

TX CH01

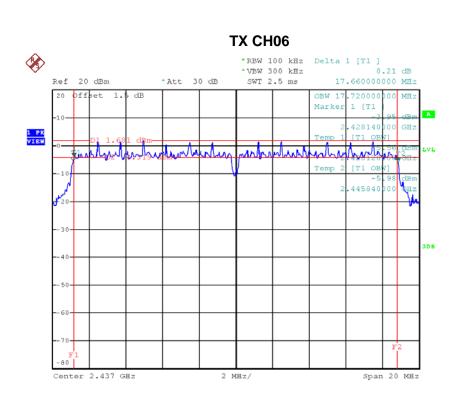


Date: 16.JUN.2017 17:06:55

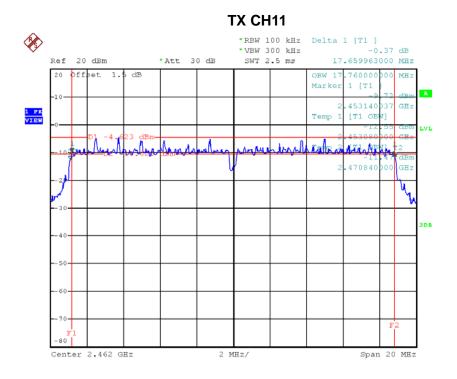
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Date: 16.JUN.2017 17:08:40



Date: 16.JUN.2017 17:09:54





ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

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Test Mode :TX B Mode_CH01/06/11					
Frequency	Conducted	Conducted	Max. Limit	Max. Limit	Result
(MHz)	Power (dBm)	Power (W)	(dBm)	(W)	Result
2412	15.51	0.04	30.00	1.00	Complies
2437	12.51	0.02	30.00	1.00	Complies
2462	11.27	0.01	30.00	1.00	Complies

Test Mode :TX G Mode_CH01/06/11					
Frequency	Conducted	Conducted	Max. Limit	Max. Limit	Result
(MHz)	Power (dBm)	Power (W)	(dBm)	(W)	Result
2412	21.44	0.14	30.00	1.00	Complies
2437	24.53	0.28	30.00	1.00	Complies
2462	19.43	0.09	30.00	1.00	Complies

Test Mode :TX N20 Mode_CH01/06/11					
Frequency	Conducted	Conducted	Max. Limit	Max. Limit	Result
(MHz)	Power (dBm)	Power (W)	(dBm)	(W)	Result
2412	24.92	0.31	30.00	1.00	Complies
2437	24.96	0.31	30.00	1.00	Complies
2462	19.66	0.09	30.00	1.00	Complies

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ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

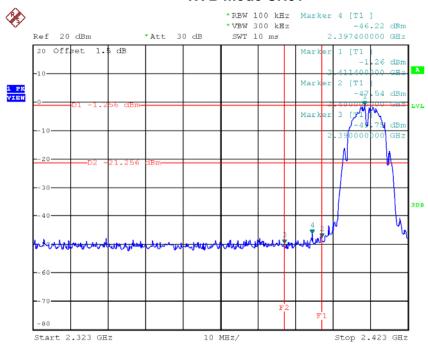
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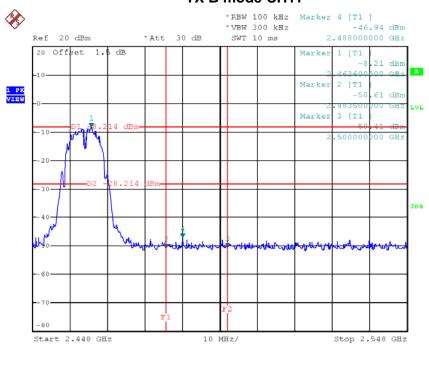






Date: 16.JUN.2017 16:45:29

TX B mode CH11

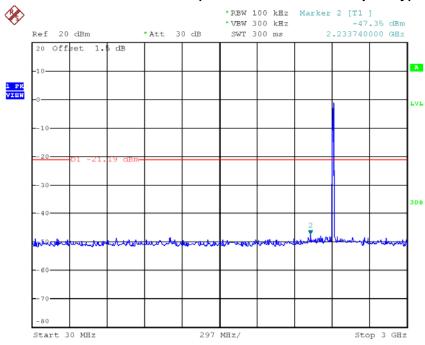


Date: 16.JUN.2017 17:00:41

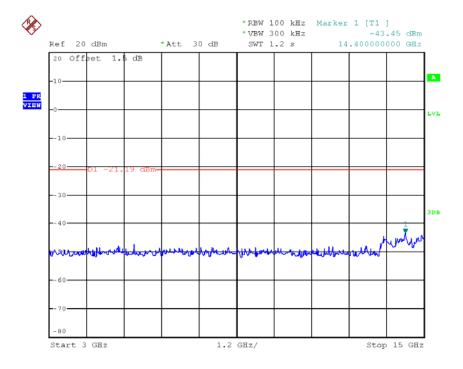




TX B mode CH01 (10 Harmonic of the frequency)



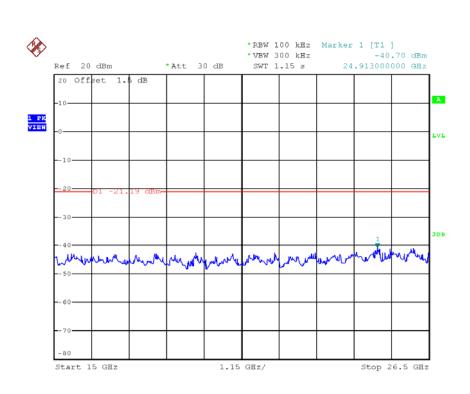
Date: 16.JUN.2017 16:45:06



Date: 16.JUN.2017 16:45:13

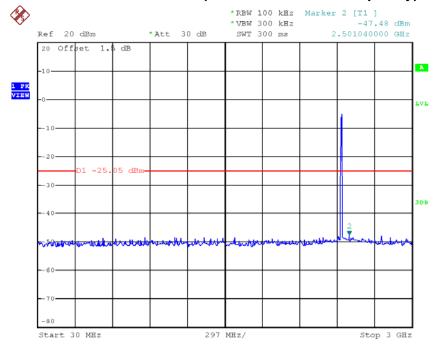






Date: 16.JUN.2017 16:45:21

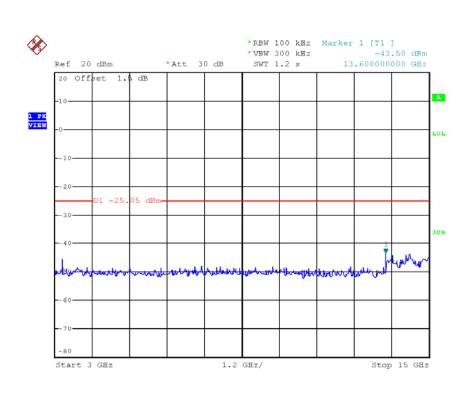
TX B mode CH06 (10 Harmonic of the frequency)



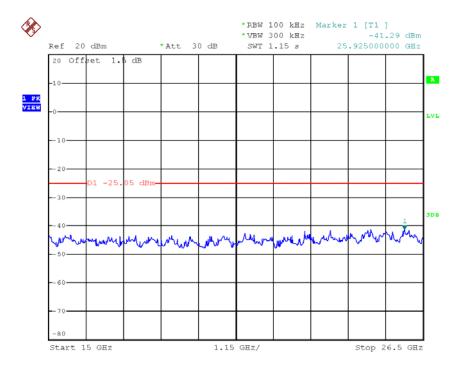
Date: 16.JUN.2017 16:53:32









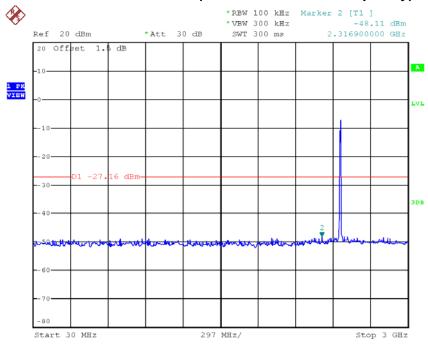


Date: 16.JUN.2017 16:53:47

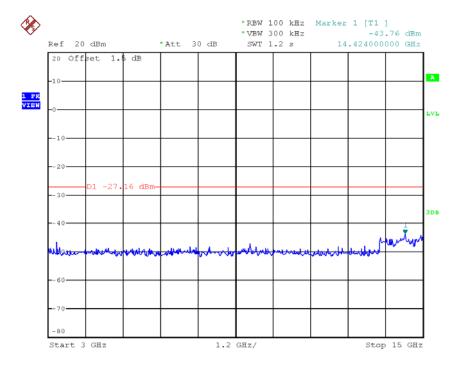




TX B mode CH11 (10 Harmonic of the frequency)



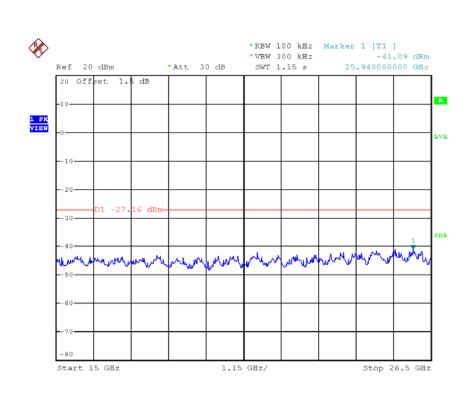
Date: 16.JUN.2017 17:00:18



Date: 16.JUN.2017 17:00:26







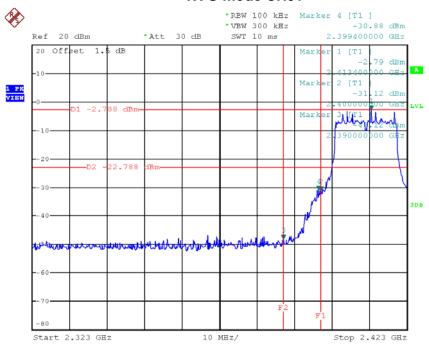
Date: 16.JUN.2017 17:00:33





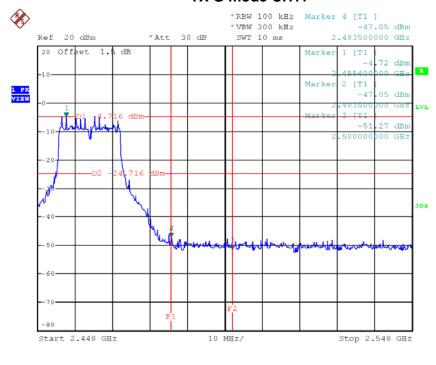


TX G mode CH01



Date: 16.JUN.2017 17:02:38

TX G mode CH11

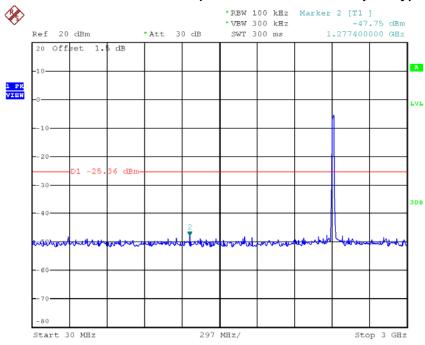


Date: 16.JUN.2017 17:05:56

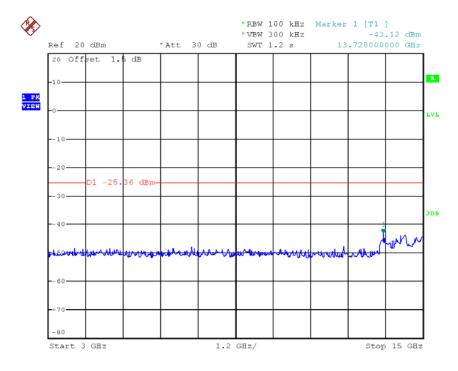




TX G mode CH01 (10 Harmonic of the frequency)



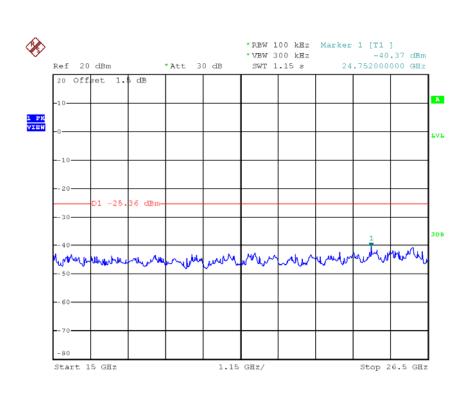
Date: 16.JUN.2017 17:02:14



Date: 16.JUN.2017 17:02:22

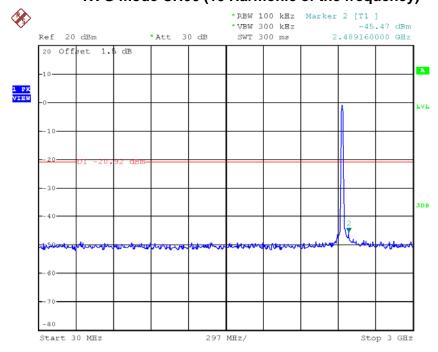






Date: 16.JUN.2017 17:02:30

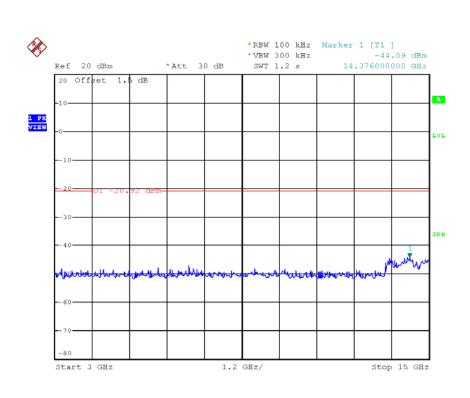
TX G mode CH06 (10 Harmonic of the frequency)



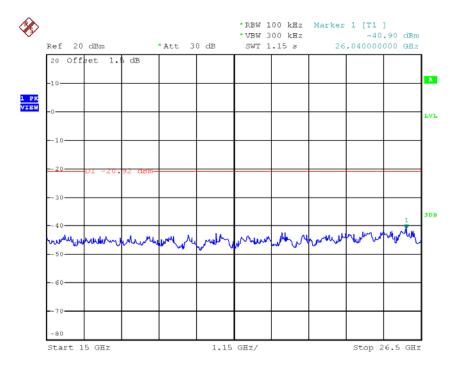
Date: 16.JUN.2017 17:03:50









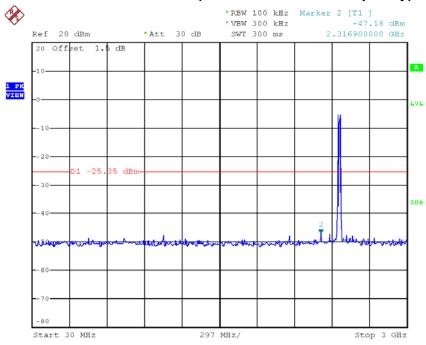


Date: 16.JUN.2017 17:04:06

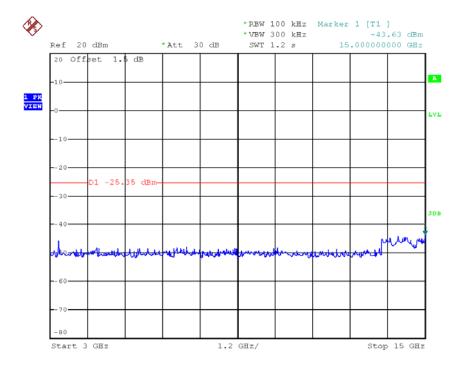




TX G mode CH11 (10 Harmonic of the frequency)



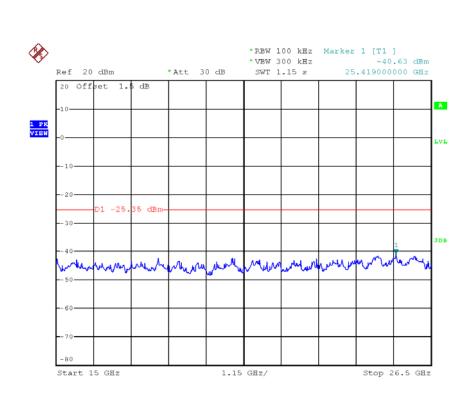
Date: 16.JUN.2017 17:05:33



Date: 16.JUN.2017 17:05:41



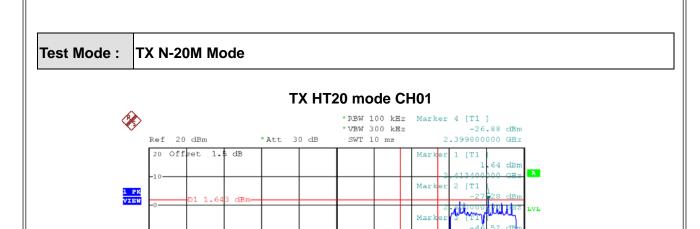




Date: 16.JUN.2017 17:05:49







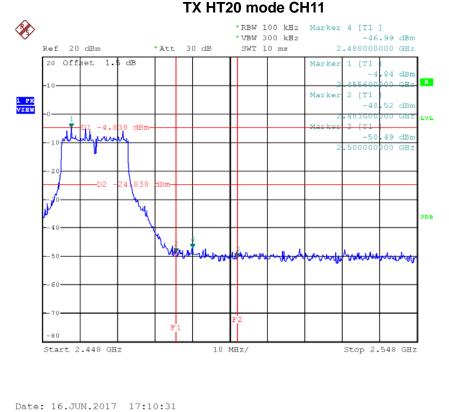


Start 2.323 GHz

TV UT00 ... - .l - /

10 MHz/

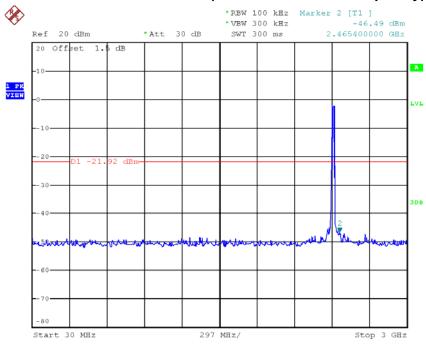
Stop 2.423 GHz



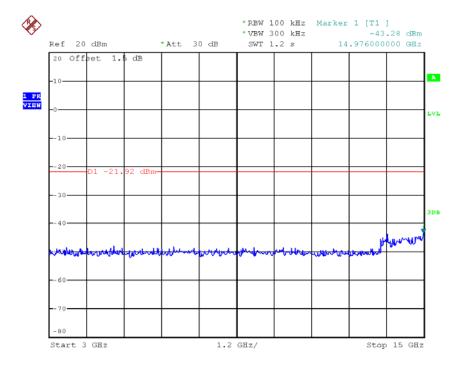




TX HT20 mode CH01 (10 Harmonic of the frequency)



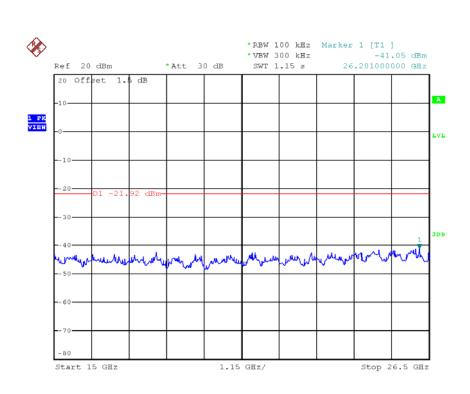
Date: 16.JUN.2017 17:07:09



Date: 16.JUN.2017 17:07:17

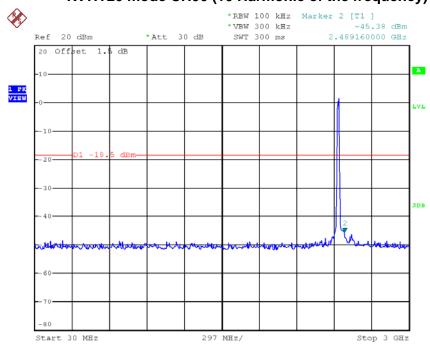






Date: 16.JUN.2017 17:07:25

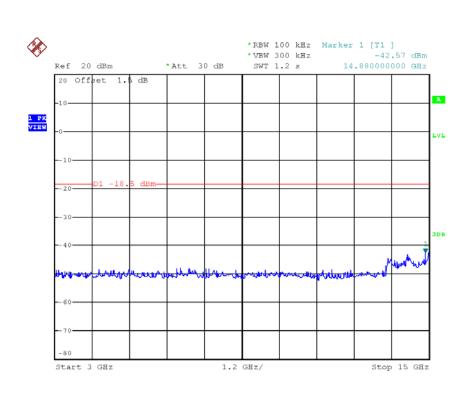
TX HT20 mode CH06 (10 Harmonic of the frequency)



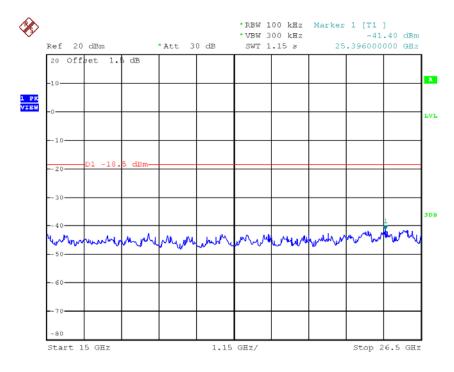
Date: 16.JUN.2017 17:08:54







Date: 16.JUN.2017 17:09:01

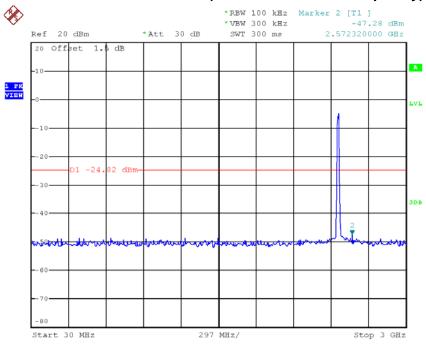


Date: 16.JUN.2017 17:09:09

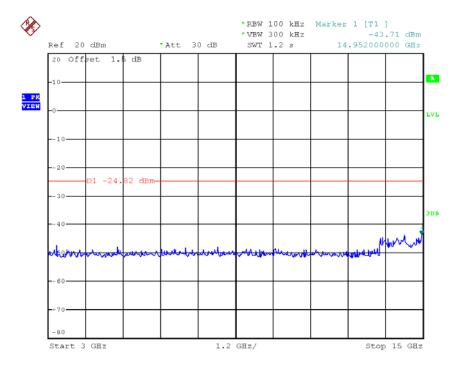




TX HT20 mode CH11 (10 Harmonic of the frequency)



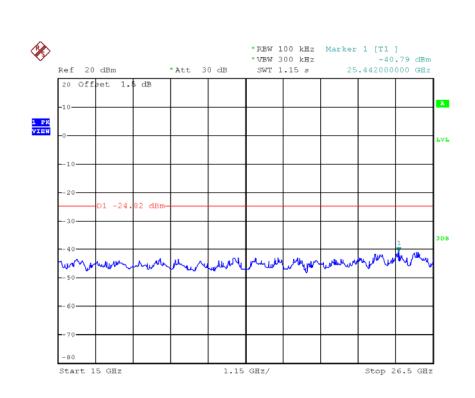
Date: 16.JUN.2017 17:10:08



Date: 16.JUN.2017 17:10:16







Date: 16.JUN.2017 17:10:23





ATTACHMENT H - POWER SPECTRAL DENSITY			

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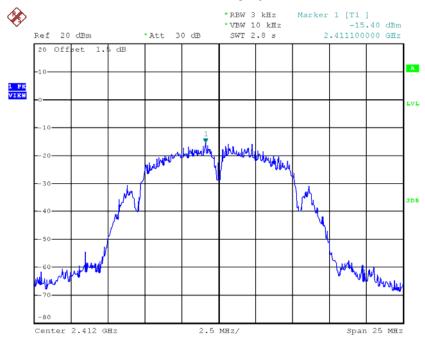




Test Mode: TX B Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-15.40	0.0288	8.00	Complies
2437	-18.76	0.0133	8.00	Complies
2462	-21.54	0.0070	8.00	Complies

TX CH01



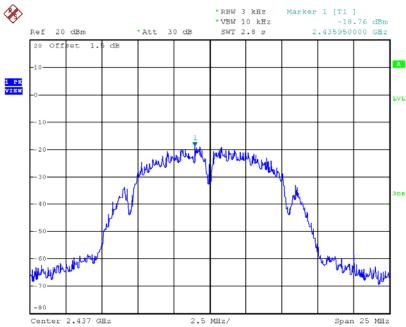
Date: 16.JUN.2017 16:45:38

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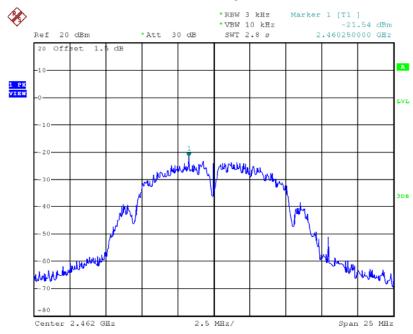






Date: 16.JUN.2017 16:53:56

TX CH11



Date: 16.JUN.2017 17:00:50

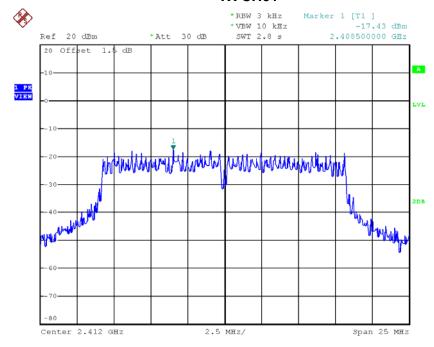




Test Mode :TX G Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-17.43	0.0181	8.00	Complies
2437	-13.43	0.0454	8.00	Complies
2462	-18.76	0.0133	8.00	Complies

TX CH01



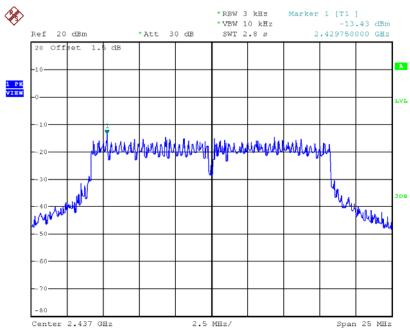
Date: 16.JUN.2017 17:02:47

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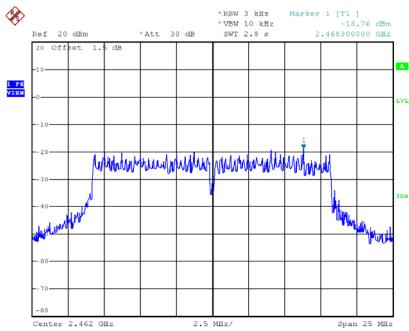






Date: 16.JUN.2017 17:04:15

TX CH11



Date: 16.JUN.2017 17:06:06

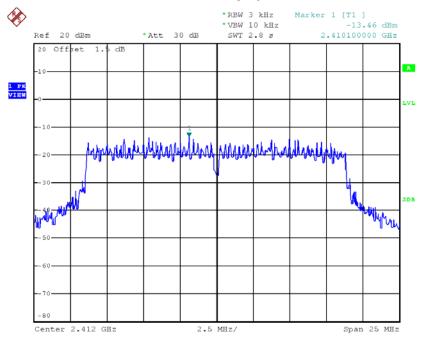




Test Mode: TX N-20M Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-13.46	0.0451	8.00	Complies
2437	-13.14	0.0485	8.00	Complies
2462	-19.85	0.0104	8.00	Complies

TX CH01

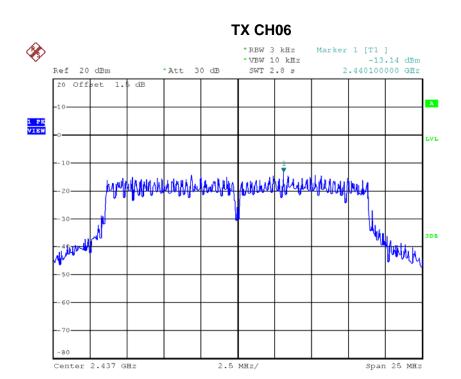


Date: 16.JUN.2017 17:07:42

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Date: 16.JUN.2017 17:09:18

Date: 16.JUN.2017 17:10:40

