



Change

FCC Radio Test Report

FCC ID: QISCRO-LX3

This report concerns (chec	k one): ⊠Original Grant
Project No. Equipment Model Name Applicant Address	 : 1701C155A : Smart Phone : CRO-L03,CRO-L23 : Huawei Technologies Co.,Ltd. : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China
Date of Receipt Date of Test Issued Date Tested by	: Jan. 18, 2017 : Jan. 18, 2017 ~ Feb. 27, 2017 : Mar. 23, 2017 : BTL Inc.
Testing Engineer	: Shawn Xioo (Shawn Xiao)
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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-3-1701C155	Original Report.	Feb. 28, 2017
BTL-FCCP-3-1701C155A	Compared with the original report (BTL-FCCP-3-1701C155), the model CRO-L23 is added and differences please see the below table. According to the differences description below table, CRO-L23 shares the same test data of CRO-L03 of the same bands which does not affect the test results of the test report.	Mar. 23, 2017

Model	CRO-L03	CRO-L23
Brand	HUAWEI	HUAWEI
2G Frequency	GSM/GPRS/EDEG 850//1900	GSM/GPRS/EDEG 850//1900
3G Frequency	UMTS: B2/B5	UMTS: B2/B5
4G Frequency	FDD-LTE:B2/B4/B5/B7	FDD-LTE:B2/B4/B5/B7
Hardware version	The same	The same
Software version	The difference	The difference
SIM Card	Single (Hardware GPIO level is tested by software to identify odd and even cards.)	Double Hardware GPIO level is tested by software to identify odd and even cards. The dual-slot is added through the hardware, others are the same; The only difference between CRO-L03 and CRO-L23 is: CRO-L03 is single SIM point, and the CRO-L23 is double SIM points.
Dimensions	The same	The same
Appearance	The same	The same
main antenna	The same	The same
BT/Wi-Fi antenna	The same	The same
GPS antenna	The same	The same
PA(GSM)	The same	The same
PA(UMTS/FDD)	The same	The same

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1. CERTIFICATION

Equipment : Smart Phone Brand Name : HUAWEI

Model Name: CRO-L03, CRO-L23

Applicant : Huawei Technologies Co.,Ltd. Manufacturer : Huawei Technologies Co.,Ltd.

Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,

Bantian, Longgang District Shenzhen China

Factory: Huawei Technologies Co.,Ltd.

Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,

Bantian, Longgang District Shenzhen China

Date of Test : Jan. 18, 2017 ~ Feb. 27, 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-3-1701C155A) were obtained utilizing the test procedures, test instruments, test sites that has been accredited by the Authority of TAF according to the ISO-17025 quality assessment standard and technical standard(s).





2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C				
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:

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





3. GENERAL INFORMATION

3.1 GENERAL DESCRIPTION OF EUT

Equipment	Smart Phone			
Brand Name	HUAWEI			
Model Name	CRO-L03,CRO-L23			
Model Difference	Please refer to page 5.			
	Operation Frequency	2412~2462 MHz		
	Modulation Technology	802.11b:DSSS 802.11g:OFDM 802.11n:OFDM		
Product Description	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: 19.72dBm 802.11g: 24.35dBm 802.11n(20MHz): 22.11dBm 802.11n(40MHz): 22.39dBm		
Power Source	#1 DC Voltage supplied from AC/DC adapter. #2 Battery Supplied.			
Power Rating	#1:AC 100-240V 50/60Hz DC 5V 1A #2:DC 3.82V 2200mAh			
HW Version	HL1CROM			
SW Version	CRO-L03:Cairo-L03C469B015 CRO-L23:Cairo-L23C469B022			

Note:

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

2. Channel List:

	CH01 – CH11 for 802.11b, 802.11g, 802.11n(20MHz) CH03 – CH09 for 802.11n(40MHz)						
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
01	2412	04	2427	07	2442	10	2457
02	2417	05	2432	08	2447	11	2462
03	2422	06	2437	09	2452		

3. Table for Filed Antenna

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	N/A	Internal	N/A	2.6

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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	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	

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	
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09	

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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	
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09	

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	
Mode 4	TX N-40MHZ MODE CHANNEL 03/06/09	

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	
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 (6.5Mbps) 802.11n HT40 mode : BPSK (13.5Mbps)

For radiated emission tests, the highest output powers were set for final test.

- (3) For radiated below 1G test, the 802.11b is found to be the worst case and recorded.
- (4) The EUT was programmed to be in continuously transmitting mode and the transmit duty cycle is not less than 98%.

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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

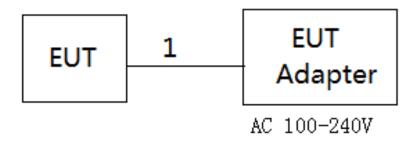
Test software version	N/A		
Frequency (MHz)	2412	2437	2462
802.11b	17	17	17
802.11g	15	16	15
802.11n (20MHz)	12	12	12
Frequency	2422	2437	2452
802.11n (40MHz)	12	12	12

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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.

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

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

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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.

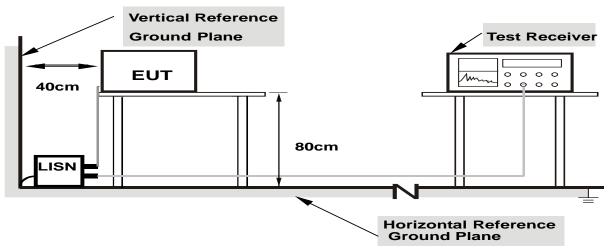
4.1.3 DEVIATION FROM TEST STANDARD

No deviation





4.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.5 EUT OPERATING CONDITIONS

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

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.





4.2 RADIATED EMISSION MEASUREMENT

4.2.1 RADIATED EMISSION LIMITS

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

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

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

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).
- (4) The test result calculated as following: Measurement Value = Reading Level + Correct Factor Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain(if use) Margin Level = Measurement Value - Limit Value

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

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





Spectrum Parameter	Setting	
Attenuation	Auto	
Start Frequency	1000 MHz	
Stop Frequency	10th carrier harmonic	
RBW / VBW	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 or 1.5m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
- c. The height of the equipment or of the substitution antenna shall be 0.8m or 1.5m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights find the maximum reading (used Bore sight function).
- e. The receiver system was set to peak and average detect function and specified bandwidth with maximum hold mode when the test frequency is above 1GHz.
- f. The initial step in collecting radiated emission data is a receiver peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- g. All readings are Peak unless otherwise stated QP in column of Note. Peak denotes that the Peak reading compliance with the QP Limits and then QP Mode measurement didn't perform. (below 1GHz)
- h. All readings are Peak Mode value unless otherwise stated AVG in column of Note. If the Peak Mode Measured value compliance with the Peak Limits and lower than AVG Limits, the EUT shall be deemed to meet both Peak & AVG Limits and then only Peak Mode was measured, but AVG Mode didn't perform. (above 1GHz)
- i. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

No deviation

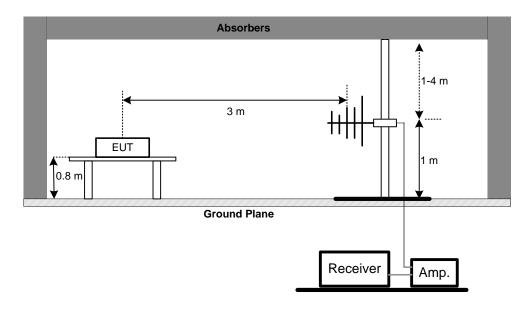
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4.2.4 TEST SETUP

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

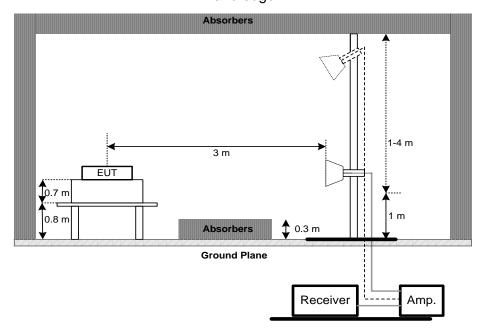


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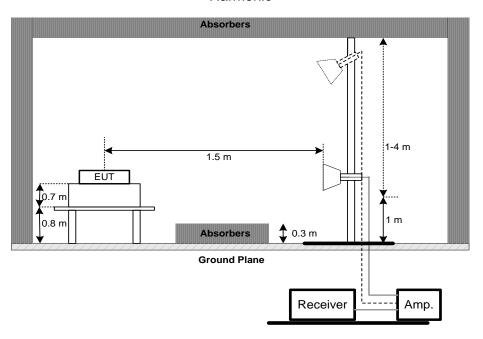




(B) Radiated Emission Test Set-Up Frequency Above 1 GHz Band edge



Harmonic

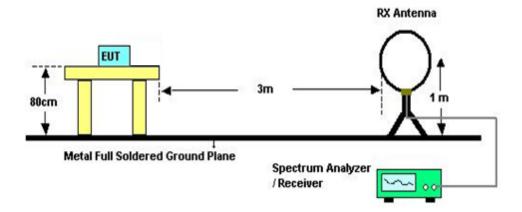


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(C) For Radiated Emissions Below 30MHz



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 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 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 9.1.2 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 GWGI WIGGI

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)	Result		
15.247(e)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS		

8.1.1 TEST PROCEDURE

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

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP

EUT		SPECTRUM	
		ANALYZER	

8.1.4 EUT OPERATION CONDITIONS

The EUT 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	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017		
2	LISN	EMCO	3816/2	52765	Mar. 27, 2017		
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 27, 2017		
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 27, 2017		
5	Cable	emci	RG223(9KHz-30 MHz)(5m)	N/A	Mar. 10, 2017		
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A		

	Radiated Emission Measurement						
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until		
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017		
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017		
3	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017		
4	Cable	emci	LMR-400(30MH z-1GHz)(8m+5m)	N/A	Jun. 27, 2017		
5	Controller	СТ	SC100	N/A	N/A		
6	Controller	MF	MF-7802	MF780208416	N/A		
7	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A		
8	Amplifier	Agilent	8449B	3008A02274	Mar. 09, 2018		
9	Receiver	Agilent	N9038A	MY52130039	Sep. 04, 2017		
10	Antenna	EM	EM-6876-1	230	Jul. 08, 2017		
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 23, 2017		
12	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 16, 2017		
13	Controller	MF	MF-7802	MF780208416	N/A		
14	Cable	emci	EMC104-SM-S M-12000(12m)	N/A	Jul. 06, 2017		

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

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

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

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

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

All calibration period of equipment list is one year.

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ATTACHMENT A - CONDUCTED EMISSION

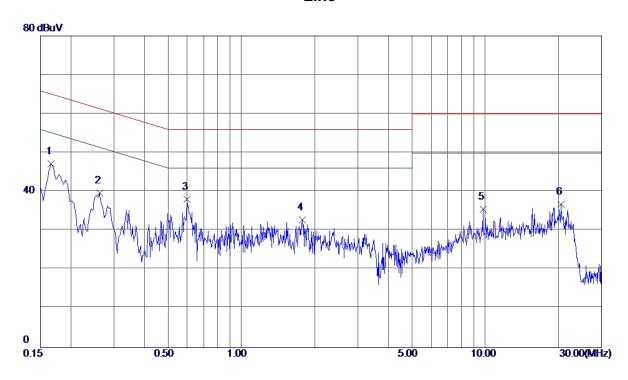
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Test Mode : TX Mode_ Adapter: BYD

Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBu₹	dB	Detector	Comment
1 *	0. 1660	37. 69	9. 57	47. 26	65. 16	-17. 90	Peak	
2	0. 2620	30. 15	9. 57	39. 72	61.37	-21.65	Peak	
3	0. 5980	28. 34	9. 70	38. 04	56.00	-17. 96	Peak	
4	1. 7780	22. 80	9. 99	32. 79	56.00	-23. 21	Peak	
5	9. 7860	25. 11	10. 48	35. 59	60.00	-24. 41	Peak	
6	20. 4260	26. 00	10. 80	36. 80	60.00	-23. 20	Peak	

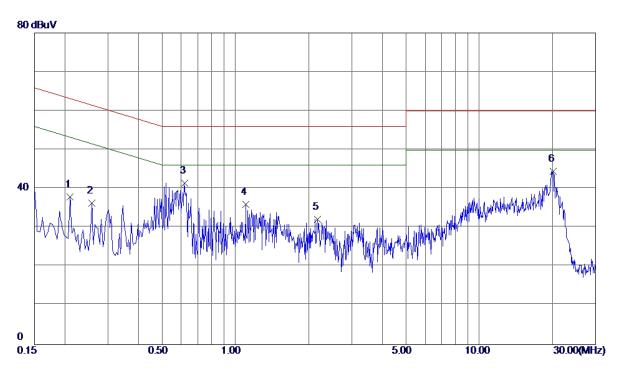
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Test Mode : TX Mode_ Adapter: BYD

Neutral



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0. 2100	28. 39	9. 57	37. 96	63. 21	-25. 25	Peak	
2	0. 2580	26. 75	9. 57	36. 32	61.50	-25. 18	Peak	
3 *	0.6180	31. 92	9. 50	41. 42	56.00	-14. 58	Peak	
4	1. 1019	26. 26	9. 75	36. 01	56.00	-19. 99	Peak	
5	2. 1740	22. 37	9. 85	32. 22	56.00	-23. 78	Peak	
6	20. 1259	33. 62	10. 90	44. 52	60.00	-15. 48	Peak	

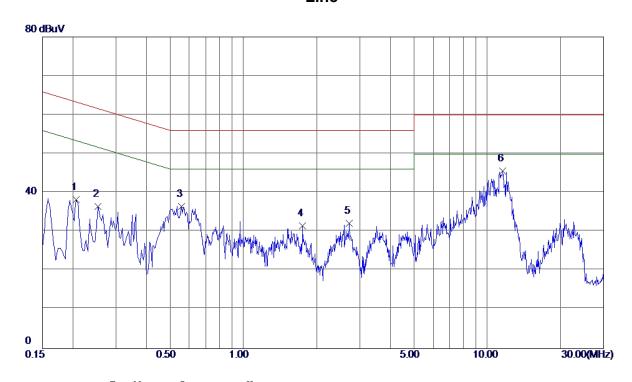
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Test Mode : TX Mode_ Adapter: PHITEK

Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0. 2060	28. 64	9. 57	38. 21	63. 37	-25. 16	Peak	
2	0. 2540	26. 98	9. 57	36. 55	61.63	-25. 08	Peak	
3	0. 5580	26. 80	9. 70	36. 50	56.00	-19. 50	Peak	
4	1. 7500	21. 55	9. 99	31. 54	56.00	-24. 46	Peak	
5	2. 7139	21. 92	10. 25	32. 17	56.00	-23. 83	Peak	
6 *	11. 5860	35. 11	10. 56	45. 67	60.00	-14. 33	Peak	

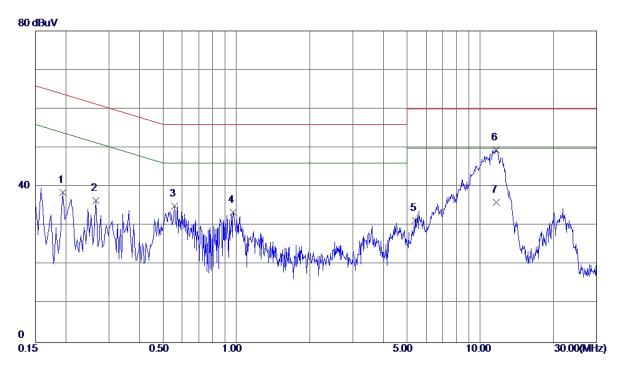
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Test Mode : TX Mode_ Adapter: PHITEK

Neutral



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0. 1940	29. 06	9. 55	38. 61	63.86	-25. 25	Peak	
2	0. 2660	26. 95	9. 57	36. 52	61. 24	-24. 72	Peak	
3	0. 5580	25. 61	9. 50	35. 11	56.00	-20. 89	Peak	
4	0. 9700	23. 66	9. 74	33. 40	56.00	-22. 60	Peak	
5	5. 3940	21. 07	10. 24	31. 31	60.00	-28. 69	Peak	
6 *	11. 5940	38. 79	10.62	49. 41	60.00	-10. 59	Peak	
7	11. 5940	25. 34	10.62	35. 96	50.00	-14. 04	AVG	

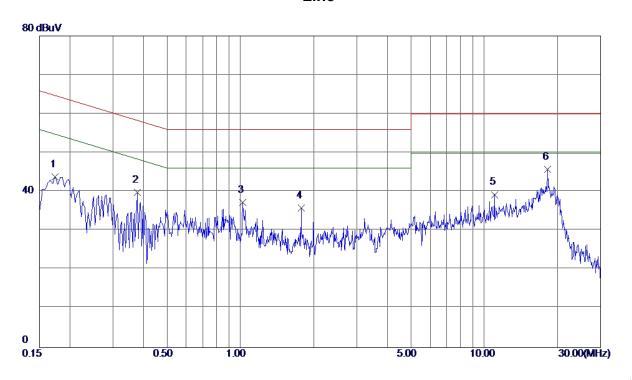
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Test Mode : TX Mode _ Adapter: Huntkey

Line



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	0. 1740	34. 30	9. 57	43. 87	64. 77	-20. 90	Peak	
2	0. 3780	30. 30	9. 58	39. 88	58. 32	-18. 44	Peak	
3	1. 0220	27. 48	9. 84	37. 32	56.00	-18. 68	Peak	
4	1. 7740	25. 80	9. 99	35. 79	56.00	-20. 21	Peak	
5	11. 0180	28. 75	10. 53	39. 28	60.00	-20. 72	Peak	
6 *	18. 1420	35. 01	10. 76	45. 77	60. 00	-14. 23	Peak	

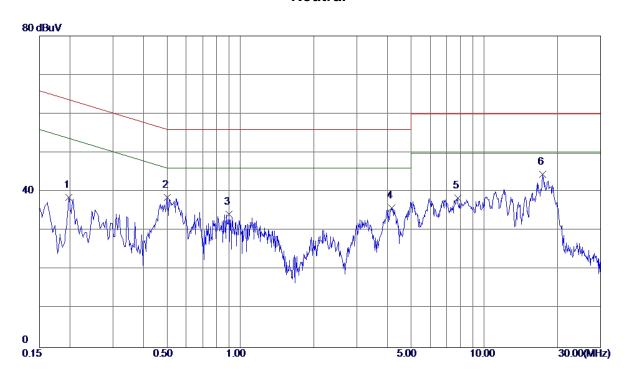
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Test Mode : TX Mode _ Adapter: Huntkey

Neutral



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV	dBu₹	dB	Detector	Comment
1	0. 1980	28. 98	9. 56	38. 54	63. 69	-25. 15	Peak	
2	0. 5020	29. 05	9. 49	38. 54	56.00	-17. 46	Peak	
3	0.8980	24. 48	9. 73	34. 21	56.00	-21. 79	Peak	
4	4. 1860	25. 70	10. 12	35. 82	56.00	-20. 18	Peak	
5	7. 7900	28. 03	10. 30	38. 33	60.00	-21. 67	Peak	
6 *	17. 3779	33. 63	10. 79	44. 42	60.00	-15. 58	Peak	

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

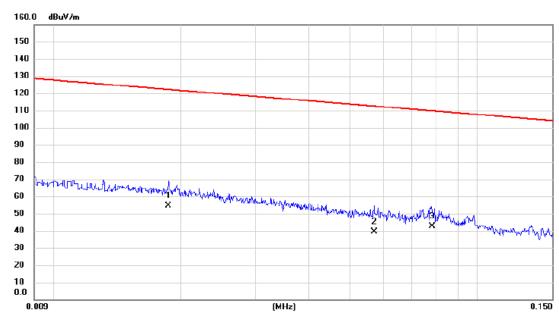
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Test Mode: TX Mode_ Adapter: BYD

Ant 0°



No. Mk.	Freq.			Measure- ment		Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0187	31.10	23.60	54.70	122.17	-67.47	AVG	
2	0.0570	19.50	19.75	39.25	112.49	-73.24	AVG	
3 *	0.0781	23.20	19.39	42.59	109.75	-67.16	AVG	

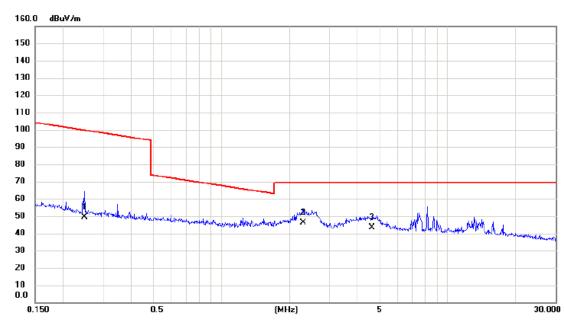
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Test Mode: TX Mode_ Adapter: BYD

Ant 0°



No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.2481	30.80	18.65	49.45	99.71	-50.26	AVG	
2 *	2.2968	28.70	17.52	46.22	69.54	-23.32	QP	
3	4.6223	25.90	17.46	43.36	69.54	-26.18	QP	

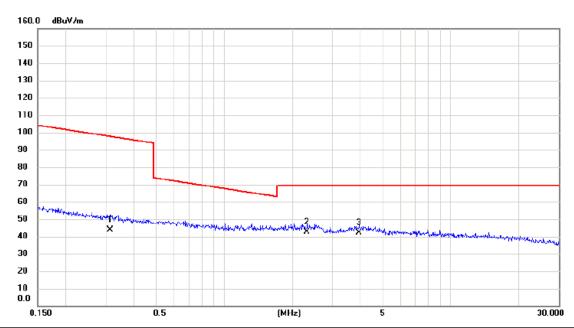
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Test Mode: TX Mode_ Adapter: BYD

Ant 90°



No.	Mk.	Freq.			Measure- ment		Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3133	25.33	18.57	43.90	97.69	-53.79	AVG	
2	*	2.3213	25.12	17.49	42.61	69.54	-26.93	QP	
3		3.9430	23.45	18.63	42.08	69.54	-27.46	QP	

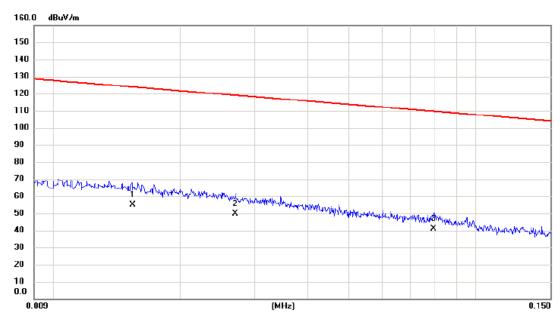
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Test Mode: TX Mode_ Adapter: BYD

Ant 90°



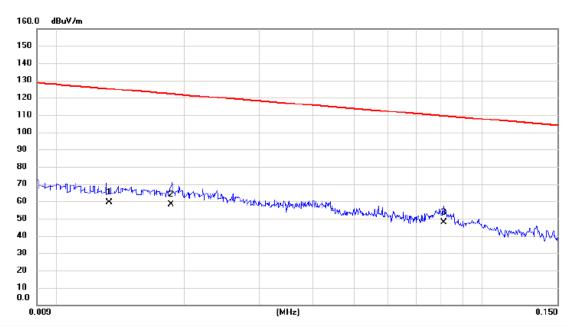
No. Mk.	Freq.	Reading Level		Measure- ment		Margin		
	MHz	dBu∨	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0154	31.05	23.80	54.85	123.85	-69.00	AVG	
2	0.0270	27.14	22.66	49.80	118.98	-69.18	AVG	
3 *	0.0793	21.75	19.34	41.09	109.62	-68.53	AVG	

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Ant 0°



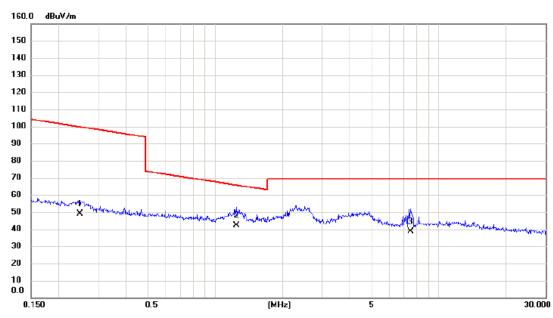
No. Mk.	Freq.	Reading Level		Measure ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0133	35.49	23.92	59.41	125.13	-65.72	AVG	
2	0.0186	34.66	23.60	58.26	122.21	-63.95	AVG	
3 *	0.0812	28.36	19.26	47.62	109.41	-61.79	AVG	

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Ant 0°



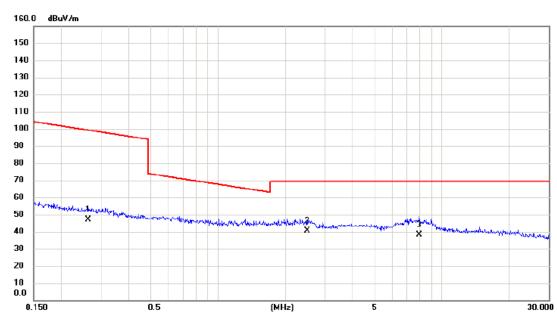
No. Mk.	Freq.	Reading Level		Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.2482	30.31	18.65	48.96	99.71	-50.75	AVG	
2 *	1.2465	24.63	17.74	42.37	65.69	-23.32	QP	
3	7.4853	22.49	16.26	38.75	69.54	-30.79	QP	

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Ant 90°



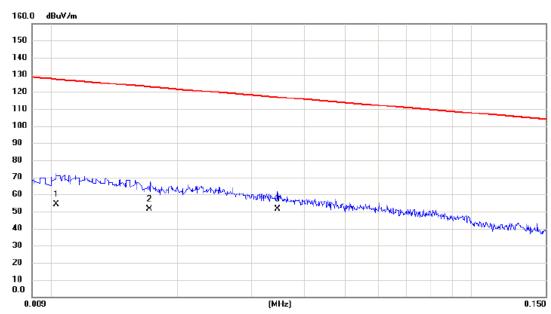
No.	Mk.	Freq.		Correct Factor	Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2635	28.32	18.63	46.95	99.19	-52.24	AVG	
2	*	2.5128	23.44	17.25	40.69	69.54	-28.85	QP	
3		7.9372	22.16	16.19	38.35	69.54	-31.19	QP	

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Ant 90°



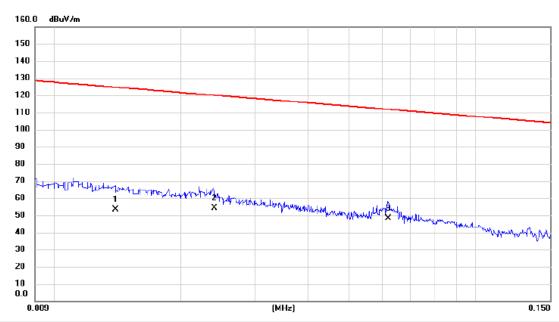
No. Mk.	Freq.	Reading Level		Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0103	30.28	24.10	54.38	127.35	-72.97	AVG	
2	0.0171	27.56	23.69	51.25	122.94	-71.69	AVG	
3 *	0.0346	29.71	21.72	51.43	116.82	-65.39	AVG	

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Ant 0°



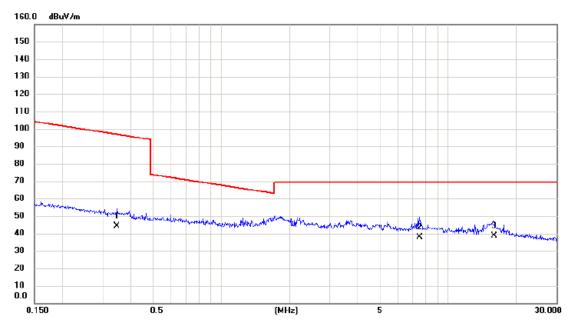
No. Mk.	Freq.			Measure- ment		Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0140	29.34	23.88	53.22	124.68	-71.46	AVG	
2	0.0240	31.28	23.03	54.31	120.00	-65.69	AVG	
3 *	0.0620	28.66	19.69	48.35	111.76	-63.41	AVG	

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Ant 0°



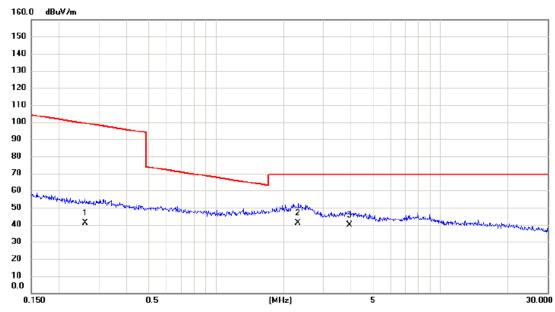
No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.3461	25.66	18.54	44.20	96.82	-52.62	AVG	
2		7.4860	21.38	16.26	37.64	69.54	-31.90	QP	
3	*	15.8868	23.17	15.54	38.71	69.54	-30.83	QP	

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Ant 90°



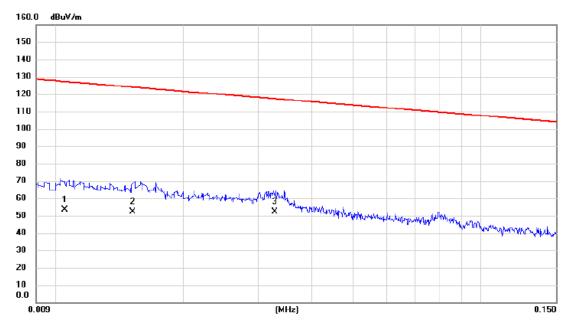
No.	Mk.	Freq.	Reading Level		Measure- ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.2611	22.47	18.64	41.11	99.27	-58.16	AVG	
2	*	2.3226	23.64	17.49	41.13	69.54	-28.41	QP	
3		3.9427	21.13	18.63	39.76	69.54	-29.78	QP	

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Ant 90°



No. Mk.	Freq.		Correct Factor	Measure- ment	Limit	Margin		
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	0.0105	29.25	24.09	53.34	127.18	-73.84	AVG	
2	0.0152	28.36	23.81	52.17	123.97	-71.80	AVG	
3 *	0.0328	30.26	21.94	52.20	117.29	-65.09	AVG	

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

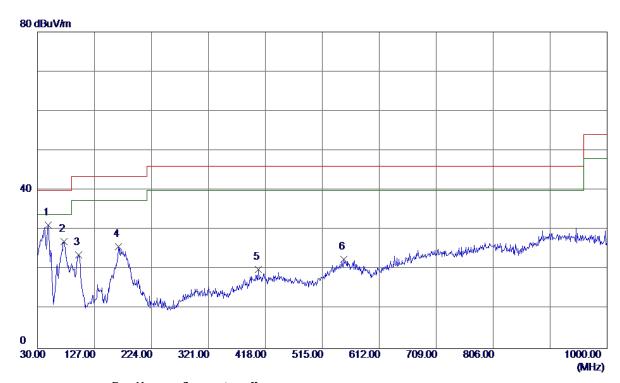
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Test Mode: TX B MODE CHANNEL 01_Adapter: BYD

Vertical



Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
48. 4300	44. 29	-13. 11	31. 18	40.00	-8.82	Peak	
75. 5899	43. 52	-16. 52	27. 00	40.00	-13.00	Peak	
99. 8399	39. 18	-15. 52	23. 66	43. 50	-19.84	Peak	
167. 7400	38. 03	-12. 22	25. 81	43. 50	-17. 69	Peak	
406. 3599	27. 85	-7. 81	20. 04	46.00	-25. 96	Peak	
551.8600	27. 21	-4. 63	22. 58	46.00	-23. 42	Peak	
	MHz 48. 4300 75. 5899 99. 8399 167. 7400 406. 3599	MHz dBuV/m 48.4300 44.29 75.5899 43.52	MHz dBuV/m dB 48.4300 44.29 -13.11 75.5899 43.52 -16.52 99.8399 39.18 -15.52 167.7400 38.03 -12.22 406.3599 27.85 -7.81	MHz dBuV/m dB dBuV/m 48.4300 44.29 -13.11 31.18 75.5899 43.52 -16.52 27.00 99.8399 39.18 -15.52 23.66 167.7400 38.03 -12.22 25.81 406.3599 27.85 -7.81 20.04	MHz dBuV/m dB dBuV/m dBuV/m 48. 4300 44. 29 -13. 11 31. 18 40. 00 75. 5899 43. 52 -16. 52 27. 00 40. 00 99. 8399 39. 18 -15. 52 23. 66 43. 50 167. 7400 38. 03 -12. 22 25. 81 43. 50 406. 3599 27. 85 -7. 81 20. 04 46. 00	MHz dBuV/m dB dBuV/m dBuV/m dB 48.4300 44.29 -13.11 31.18 40.00 -8.82 75.5899 43.52 -16.52 27.00 40.00 -13.00 99.8399 39.18 -15.52 23.66 43.50 -19.84 167.7400 38.03 -12.22 25.81 43.50 -17.69 406.3599 27.85 -7.81 20.04 46.00 -25.96	MHz dBuV/m dB dBuV/m dBuV/m dB Detector 48. 4300 44. 29 -13. 11 31. 18 40. 00 -8. 82 Peak 75. 5899 43. 52 -16. 52 27. 00 40. 00 -13. 00 Peak 99. 8399 39. 18 -15. 52 23. 66 43. 50 -19. 84 Peak 167. 7400 38. 03 -12. 22 25. 81 43. 50 -17. 69 Peak 406. 3599 27. 85 -7. 81 20. 04 46. 00 -25. 96 Peak

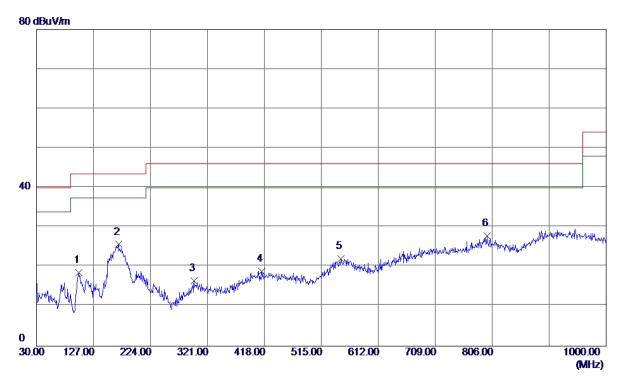
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Test Mode: TX B MODE CHANNEL 01_Adapter: BYD

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	101. 7800	33. 84	-15. 32	18. 52	43.50	-24. 98	Peak	
2 *	169. 6799	37. 92	-12. 24	25. 68	43.50	-17. 82	Peak	
3	298. 6900	26. 85	-10.30	16. 55	46.00	-29. 45	Peak	
4	414. 1200	26. 74	-7. 84	18. 90	46.00	-27. 10	Peak	
5	547. 9800	26. 84	-4. 75	22. 09	46.00	-23. 91	Peak	
6	797. 2700	27. 75	0. 14	27. 89	46.00	-18. 11	Peak	

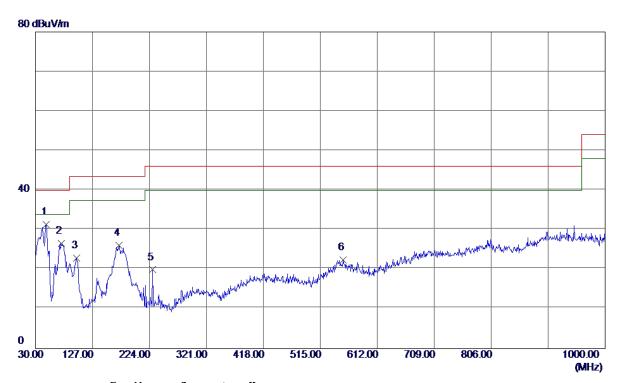
Report No.: BTL-FCCP-3-1701C155A Page 49 of 169





Test Mode: TX B MODE CHANNEL 11_Adapter: BYD

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	48. 4300	44. 44	-13. 11	31. 33	40.00	-8. 67	Peak	
2	73.6500	43. 17	-16. 57	26. 60	40.00	-13. 40	Peak	
3	99. 8399	38. 43	-15. 52	22. 91	43.50	-20. 59	Peak	
4	172. 5900	38. 46	-12. 40	26. 06	43. 50	-17. 44	Peak	
5	229. 8200	33. 30	-13. 38	19. 92	46.00	-26. 08	Peak	
6	553. 8000	27. 10	-4. 73	22. 37	46.00	-23. 63	Peak	

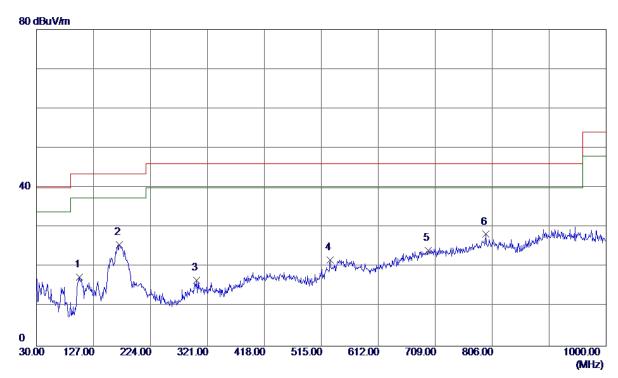
Report No.: BTL-FCCP-3-1701C155A Page 50 of 169





Test Mode: TX B MODE CHANNEL 11_Adapter: BYD

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	103. 7200	32. 62	-15. 16	17. 46	43. 50	-26. 04	Peak	
2	171.6200	37. 95	-12. 34	25. 61	43. 50	-17. 89	Peak	
3	302. 5700	26. 79	-10. 21	16. 58	46.00	-29. 42	Peak	
4	530. 5200	28. 32	-6. 56	21. 76	46.00	-24. 24	Peak	
5	697. 3600	26. 30	-2. 21	24. 09	46.00	-21. 91	Peak	
6 *	795. 3300	28. 19	0. 05	28. 24	46.00	-17. 76	Peak	

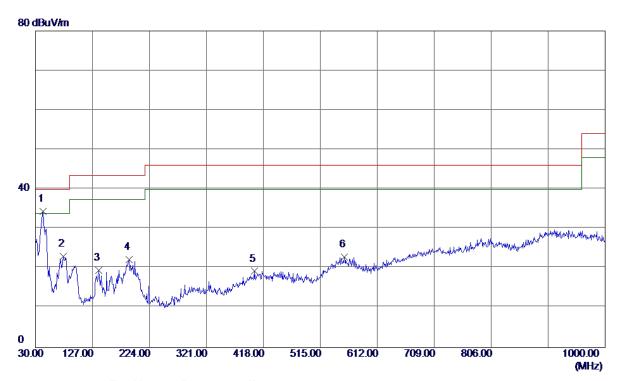
Report No.: BTL-FCCP-3-1701C155A Page 51 of 169





Test Mode: TX B MODE CHANNEL 01_Adapter: PHITEK

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	47. 78	-13. 36	34. 42	40.00	-5. 58	Peak	
2	77. 5300	39. 29	-16.31	22. 98	40.00	-17. 02	Peak	
3	137. 6700	32. 88	-13. 43	19. 45	43. 50	-24. 05	Peak	
4	189. 0800	36. 04	-13. 83	22. 21	43.50	-21. 29	Peak	
5	402. 4800	27. 07	-7. 79	19. 28	46.00	-26. 72	Peak	
6	555. 7400	27. 70	-4. 83	22. 87	46.00	-23. 13	Peak	

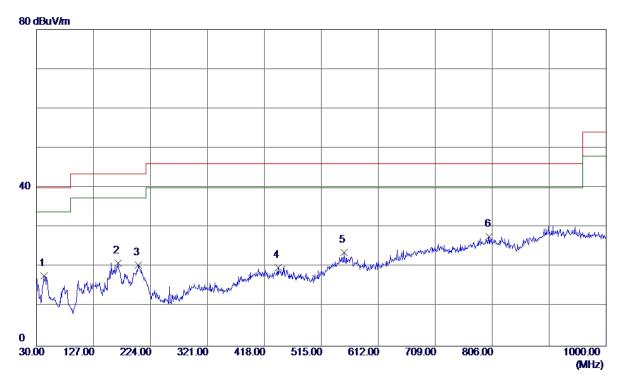
Report No.: BTL-FCCP-3-1701C155A Page 52 of 169





Test Mode: TX B MODE CHANNEL 01_Adapter: PHITEK

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBu V/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	42.6100	31. 16	-13. 36	17. 80	40.00	-22. 20	Peak	
2	168.7100	33. 16	-12. 23	20. 93	43.50	-22. 57	Peak	
3	203. 6300	35. 04	-14. 51	20. 53	43.50	-22. 97	Peak	
4	441. 2800	27. 84	-7. 96	19. 88	46.00	-26. 12	Peak	
5	553. 8000	28. 38	-4. 73	23. 65	46.00	-22. 35	Peak	
6 *	801. 1500	27. 44	0. 23	27. 67	46.00	-18. 33	Peak	

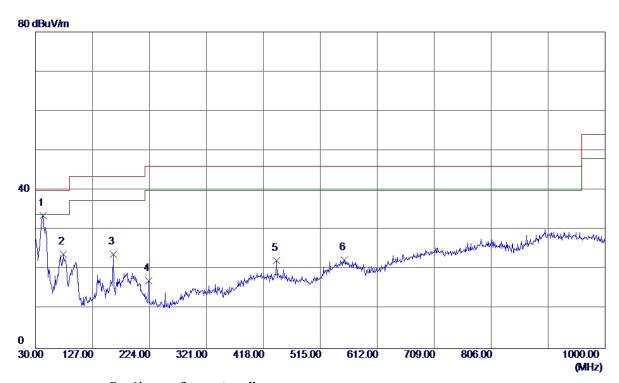
Report No.: BTL-FCCP-3-1701C155A Page 53 of 169





Test Mode: TX B MODE CHANNEL 11_Adapter: PHITEK

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	46. 93	-13. 36	33. 57	40.00	-6. 43	Peak	
2	77. 5300	40. 13	-16.31	23. 82	40.00	-16. 18	Peak	
3	162. 8900	35. 96	-12. 17	23. 79	43. 50	-19.71	Peak	
4	223. 0300	31. 07	-13. 99	17. 08	46.00	-28. 92	Peak	
5	440.3100	30. 17	-7. 96	22. 21	46.00	-23. 79	Peak	
6	555. 7400	27. 26	-4. 83	22. 43	46.00	-23. 57	Peak	

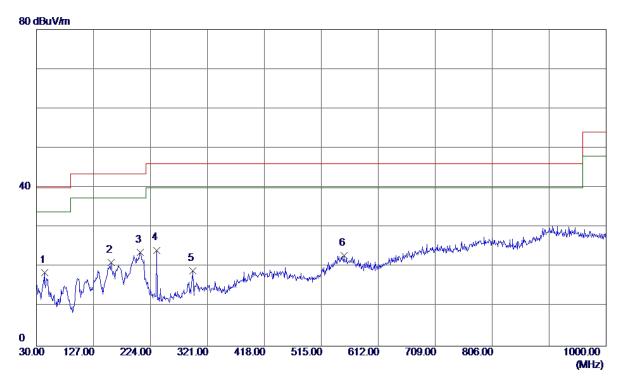
Report No.: BTL-FCCP-3-1701C155A Page 54 of 169





Test Mode: TX B MODE CHANNEL 11_Adapter: PHITEK

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	43. 5800	31. 69	-13. 16	18. 53	40.00	-21. 47	Peak	
2	157. 0700	33. 47	-12. 38	21. 09	43.50	-22. 41	Peak	
3 *	206. 5399	38. 31	-14. 57	23. 74	43.50	-19. 76	Peak	
4	234. 6700	37. 80	-13. 56	24. 24	46.00	-21. 76	Peak	
5	295. 7800	29. 67	-10.62	19. 05	46.00	-26. 95	Peak	
6	553. 8000	27. 61	-4. 73	22. 88	46.00	-23. 12	Peak	

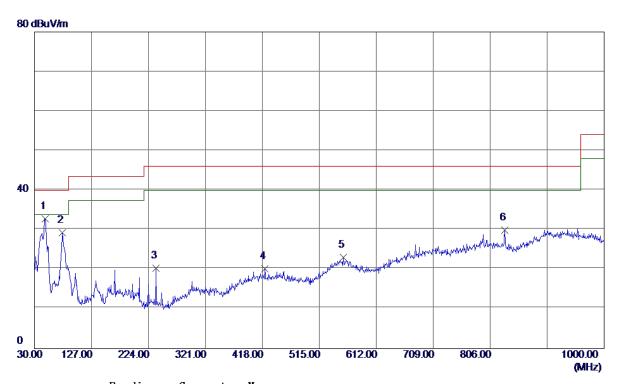
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Test Mode: TX B MODE CHANNEL 01_Adapter: Huntkey

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	48. 4300	45. 98	-13. 11	32. 87	40.00	-7. 13	Peak	
2	77. 5300	45. 52	-16. 31	29. 21	40.00	-10. 79	Peak	
3	236. 6100	33. 95	-13. 64	20. 31	46.00	-25. 69	Peak	
4	421.8800	28. 11	-7. 88	20. 23	46.00	-25. 77	Peak	
5	555. 7400	27. 91	-4. 83	23. 08	46.00	-22. 92	Peak	
6	831. 2199	30. 56	-0. 68	29. 88	46.00	-16. 12	Peak	

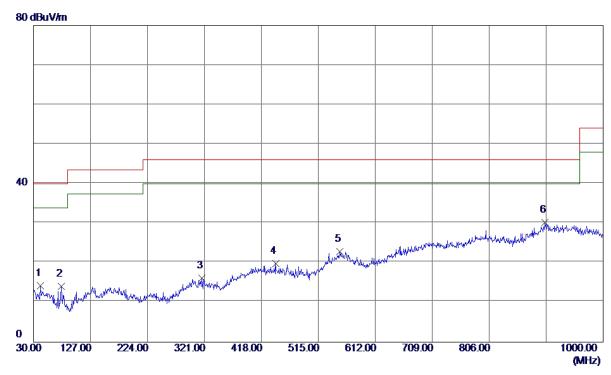
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Test Mode: TX B MODE CHANNEL 01_Adapter: Huntkey

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBu V/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	41.6400	27. 82	-13. 57	14. 25	40.00	-25. 75	Peak	
2	77. 5300	30. 39	-16.31	14. 08	40.00	-25. 92	Peak	
3	317. 1200	26. 64	-10. 52	16. 12	46.00	-29. 88	Peak	
4	442. 2500	27. 78	-7. 97	19. 81	46.00	-26. 19	Peak	
5	551.8600	27. 54	-4. 63	22. 91	46.00	-23. 09	Peak	
6 *	901.0600	27. 56	2. 64	30. 20	46.00	-15. 80	Peak	

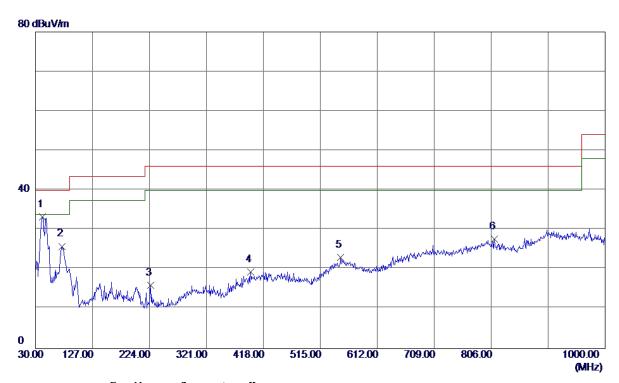
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Test Mode: TX B MODE CHANNEL 11_Adapter: Huntkey

Vertical



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1 *	41.6400	46. 87	-13. 57	33. 30	40.00	-6. 70	Peak	
2	75. 5899	42. 36	-16. 52	25. 84	40.00	-14. 16	Peak	
3	225. 9400	29. 77	-13. 73	16. 04	46.00	-29. 96	Peak	
4	396. 6600	27. 31	-8. 01	19. 30	46.00	-26. 70	Peak	
5	549. 9200	27. 63	-4. 55	23. 08	46.00	-22. 92	Peak	
6	811. 8200	27. 74	-0. 10	27. 64	46.00	-18. 36	Peak	

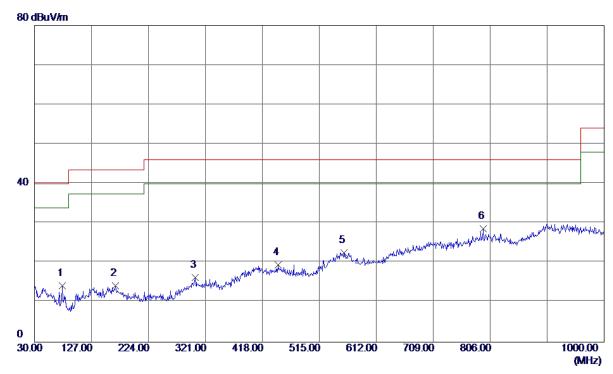
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Test Mode: TX B MODE CHANNEL 11_Adapter: Huntkey

Horizontal



No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	77. 5300	30. 50	-16. 31	14. 19	40.00	-25. 81	Peak	
2	167. 7400	26. 42	-12. 22	14. 20	43.50	-29. 30	Peak	
3	303. 5400	26. 62	-10. 24	16. 38	46.00	-29. 62	Peak	
4	445. 1600	27. 53	-7. 98	19. 55	46.00	-26. 45	Peak	
5	556. 7100	27. 51	-4. 88	22. 63	46.00	-23. 37	Peak	
6 *	794. 3600	28. 56	0. 01	28. 57	46.00	-17. 43	Peak	

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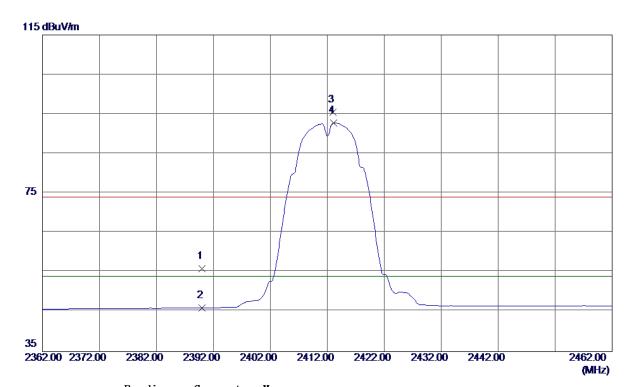
ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

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Vertical



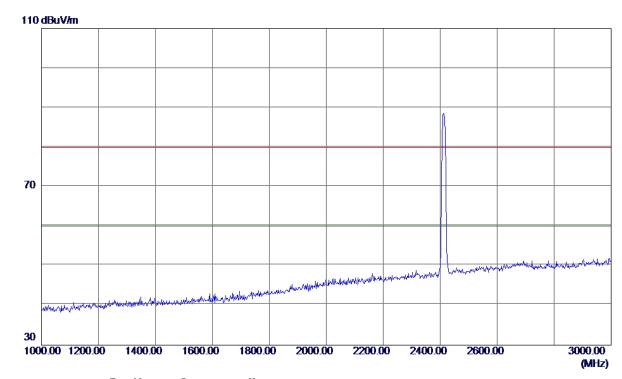
No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	22. 93	33. 01	55. 94	74.00	-18.06	Peak	
2	2390. 0000	13. 05	33. 01	46.06	54.00	-7. 94	AVG	
3	2413.0000	62. 42	33. 11	95. 53	74.00	21. 53	Peak	No Limit
4 *	2413. 1000	59. 65	33. 11	92. 76	54.00	38. 76	AVG	No Limit

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Vertical



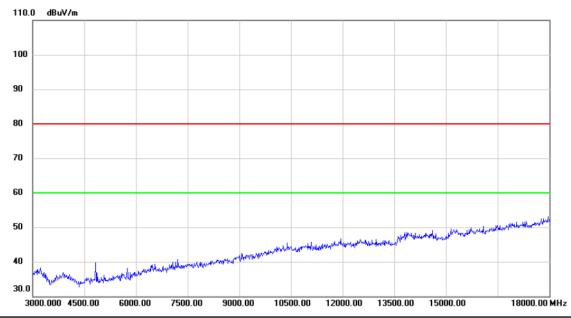
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

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Vertical



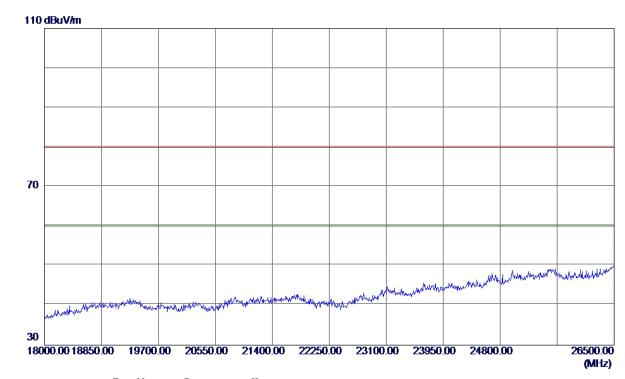
No. Mk.	Freq.	Reading Level		Measure- ment		Margin			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



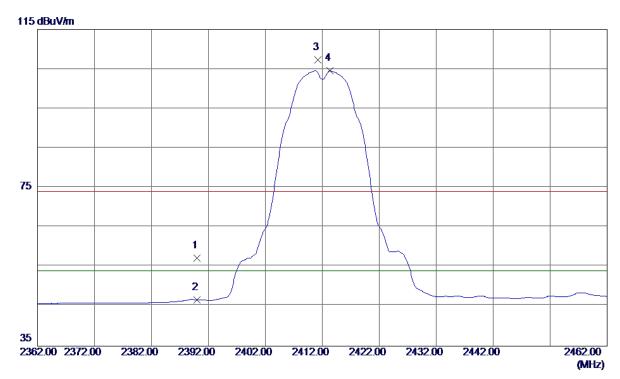
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

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Horizontal



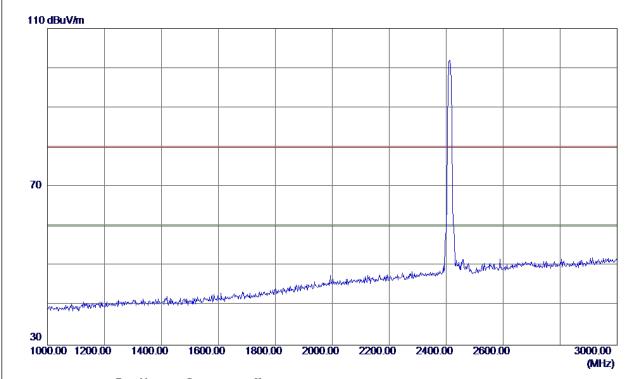
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	24. 28	33. 01	57. 29	74.00	-16. 71	Peak	
2	2390. 0000	13. 61	33. 01	46. 62	54.00	-7. 38	AVG	
3	2411. 2000	74. 27	33. 10	107. 37	74.00	33. 37	Peak	No Limit
4 *	2413. 3000	71. 46	33. 11	104. 57	54.00	50. 57	AVG	No Limit

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Horizontal



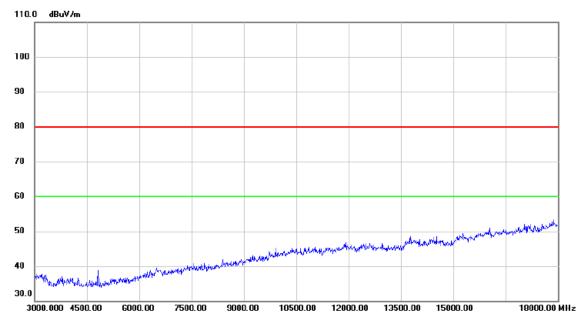
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment	

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Horizontal



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

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Horizontal



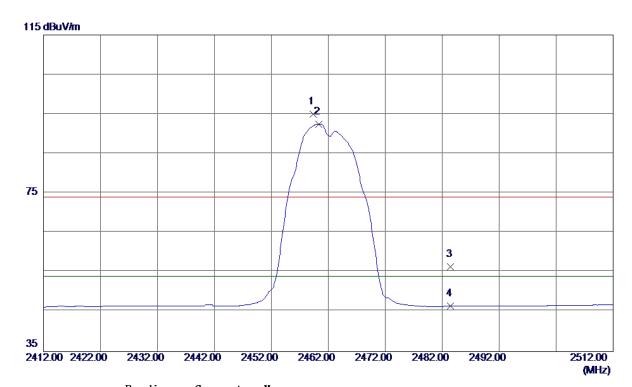
No.	Freq.	keading Level	Correct Factor	measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBu V/m	dB	Detector	Comment	

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Vertical



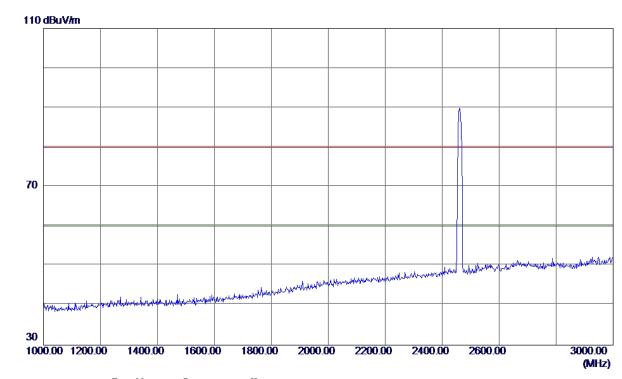
No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2459. 3000	61. 77	33. 30	95. 07	74.00	21. 07	Peak	No Limit
2 *	2460. 3000	59. 21	33. 30	92. 51	54.00	38. 51	AVG	No Limit
3	2483. 5000	23. 04	33. 40	56. 44	74.00	-17. 56	Peak	
4	2483. 5000	13. 05	33. 40	46. 45	54.00	-7. 55	AVG	

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Vertical



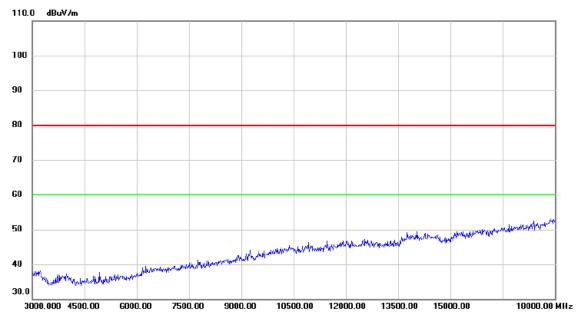
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment	

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Vertical



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

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Vertical



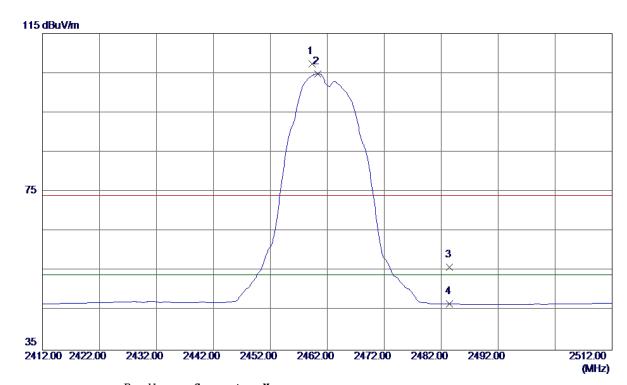
No.	Freq.	keading Level	Factor	measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



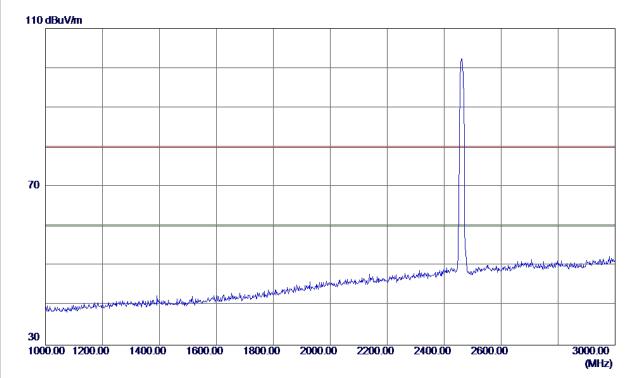
Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
2459.3000	74. 05	33. 30	107. 35	74.00	33. 35	Peak	No Limit
2460.3000	71. 48	33. 30	104. 78	54.00	50. 78	AVG	No Limit
2483. 5000	22. 50	33. 40	55. 90	74.00	-18. 10	Peak	
2483. 5000	13. 29	33. 40	46. 69	54.00	-7. 31	AVG	
	MHz 2459. 3000 2460. 3000 2483. 5000	MHz dBuV/m 2459.3000 74.05	MHz dBuV/m dB 2459.3000 74.05 33.30 2460.3000 71.48 33.30 2483.5000 22.50 33.40	MHz dBuV/m dB dBuV/m 2459.3000 74.05 33.30 107.35 2460.3000 71.48 33.30 104.78 2483.5000 22.50 33.40 55.90	MHz dBuV/m dB dBuV/m dBuV/m 2459.3000 74.05 33.30 107.35 74.00 2460.3000 71.48 33.30 104.78 54.00 2483.5000 22.50 33.40 55.90 74.00	MHz dBuV/m dB dBuV/m dB uV/m dB 2459.3000 74.05 33.30 107.35 74.00 33.35 2460.3000 71.48 33.30 104.78 54.00 50.78 2483.5000 22.50 33.40 55.90 74.00 -18.10	MHz dBuV/m dB dBuV/m dBuV/m dB Detector 2459.3000 74.05 33.30 107.35 74.00 33.35 Peak 2460.3000 71.48 33.30 104.78 54.00 50.78 AVG 2483.5000 22.50 33.40 55.90 74.00 -18.10 Peak

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Horizontal



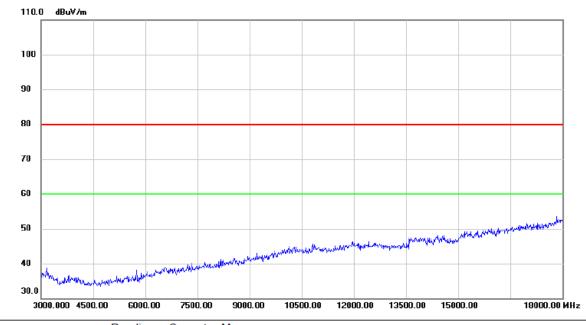
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBu V/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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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	

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Horizontal



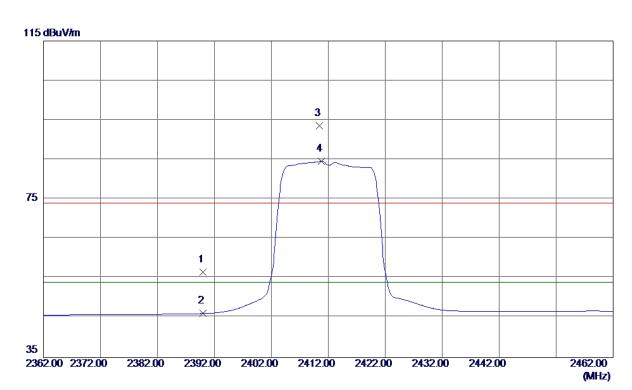
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBu V/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

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Vertical



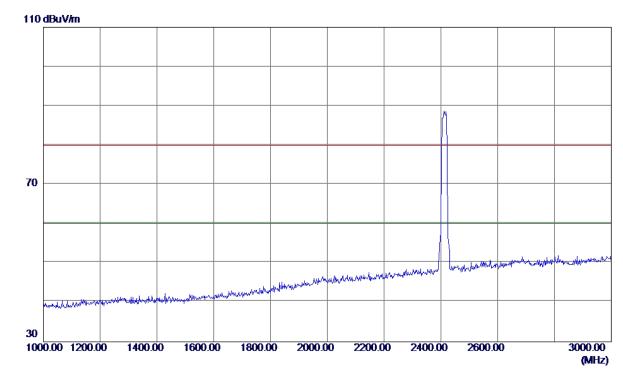
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	23. 54	33. 01	56. 55	74.00	−17. 4 5	Peak	
2	2390. 0000	13. 13	33. 01	46. 14	54.00	-7. 86	AVG	
3	2410. 4000	60. 45	33. 10	93. 55	74.00	19. 55	Peak	No Limit
4 *	2410.8000	51. 52	33. 10	84. 62	54.00	30. 62	AVG	No Limit

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Vertical



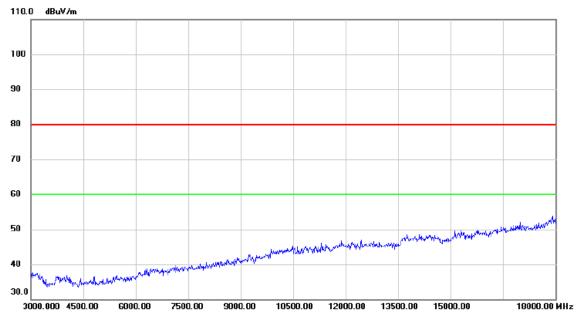
N	0.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment

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Vertical



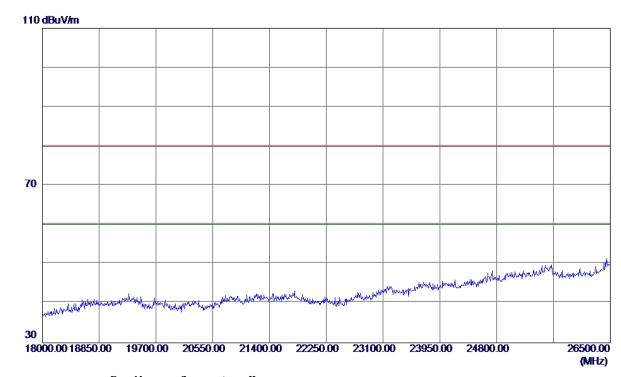
No. Mk.	Freq.			Measure- ment		Margin			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

Report No.: BTL-FCCP-3-1701C155A Page 79 of 169





Vertical



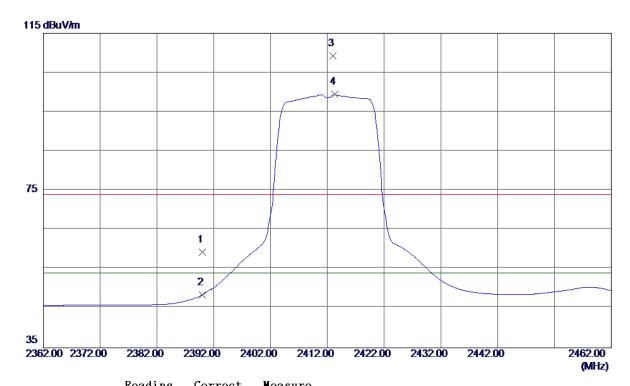
No	0.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin			
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



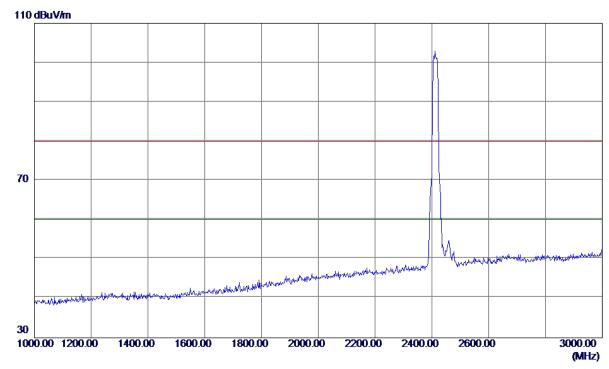
No.	Freq.	keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	26. 29	33. 01	59. 30	74.00	-14. 70	Peak	
2	2390. 0000	15. 49	33. 01	48. 50	54.00	-5. 50	AVG	
3	2413.0000	76. 07	33. 11	109. 18	74.00	35. 18	Peak	No Limit
4 *	2413. 3000	66. 30	33. 11	99. 41	54.00	45. 41	AVG	No Limit

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Horizontal



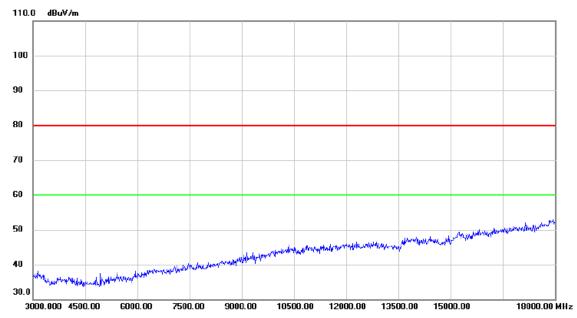
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



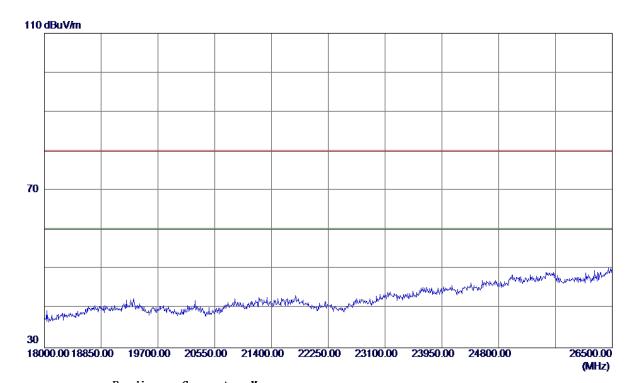
No. Mk.	Freq.	_	Correct Factor	Measure- ment	Limit	Margin			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



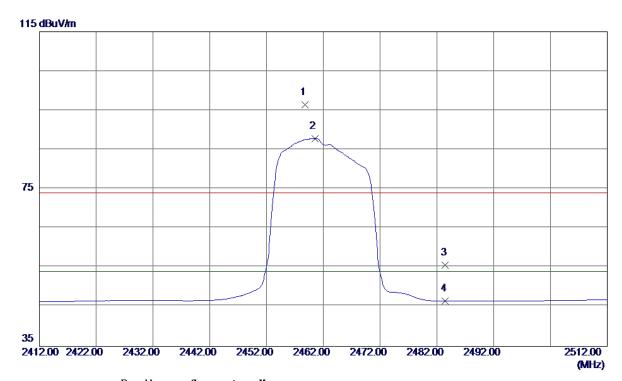
No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



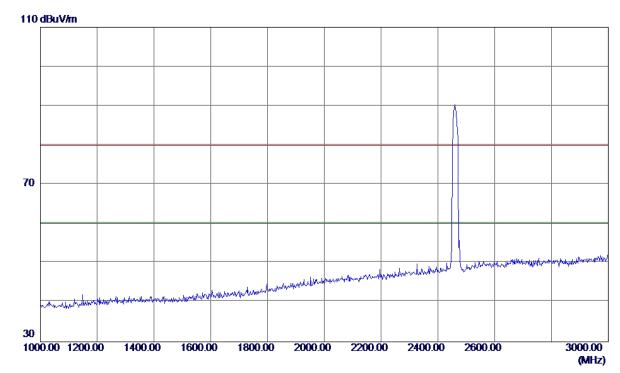
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2458. 8000	63. 14	33. 30	96. 44	74.00	22. 44	Peak	No Limit
2 *	2460. 5000	54. 58	33. 30	87. 88	54.00	33. 88	AVG	No Limit
3	2483. 5000	22. 25	33. 40	55. 65	74.00	-18. 35	Peak	
4	2483. 5000	13. 13	33. 40	46. 53	54.00	-7. 47	AVG	

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Vertical



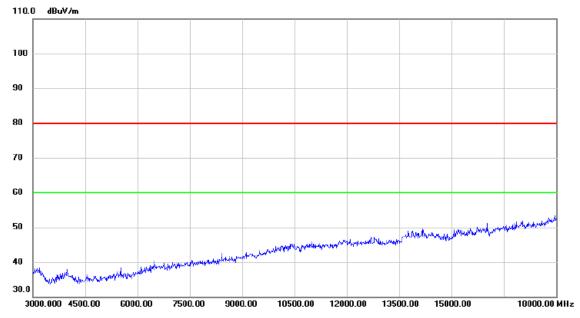
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

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Vertical



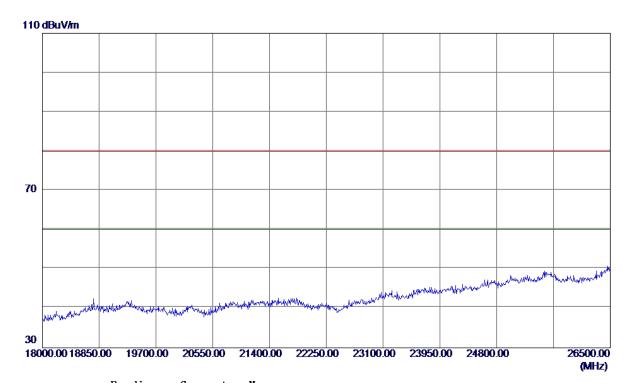
No. Mk.	Freq.	Reading Level		Measure- ment		Margin			
	MHz	dBu∨	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



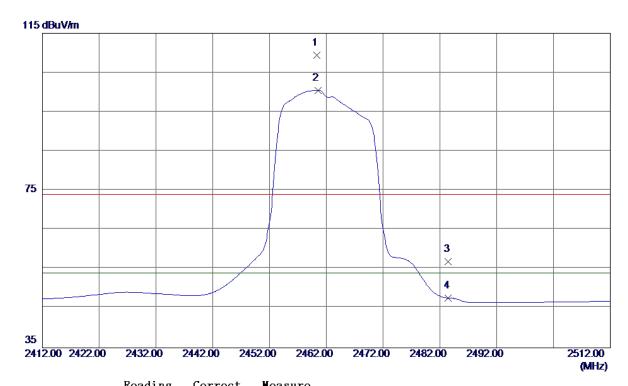
No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



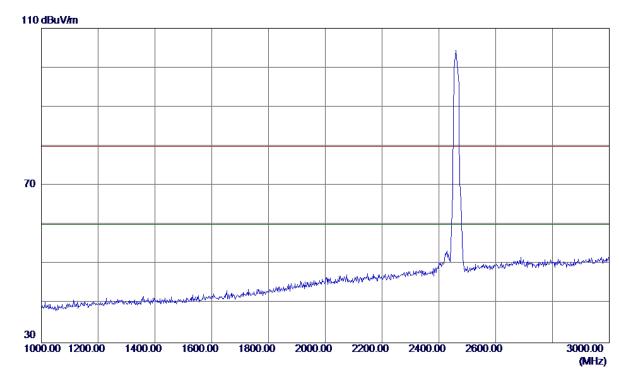
No.	Freq.	keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2460. 3000	76.06	33. 30	109. 36	74.00	35. 36	Peak	No Limit
2 *	2460. 5000	67. 22	33. 30	100. 52	54.00	46. 52	AVG	No Limit
3	2483. 5000	23. 52	33. 40	56. 92	74.00	-17. 08	Peak	
4	2483. 5000	14. 26	33. 40	47. 66	54.00	-6. 34	AVG	

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Horizontal



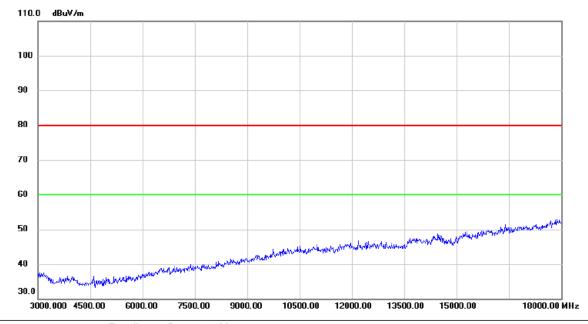
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



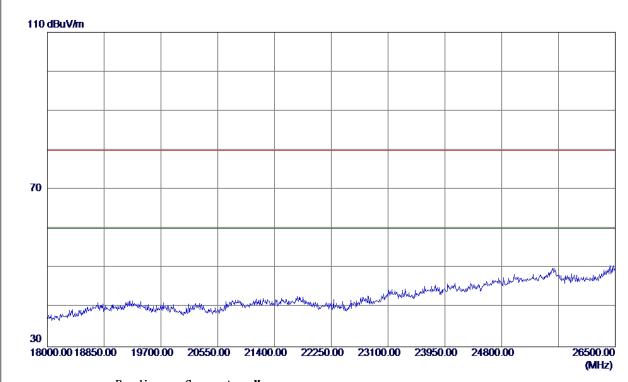
No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Margin			
	MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



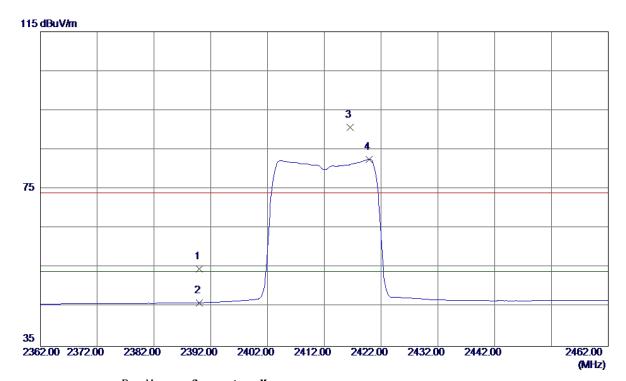
No	. Freq.	Keading Level	Correct Factor	measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



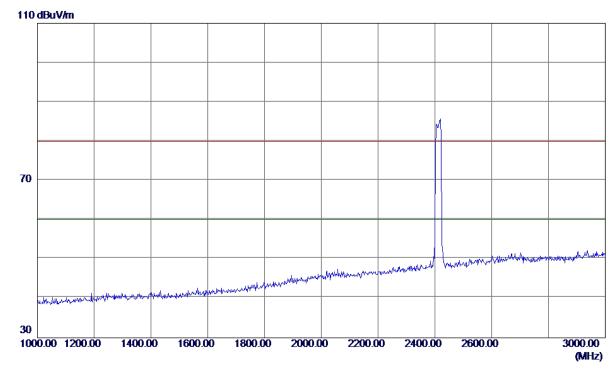
MHz dBuV/m dB dBuV/m dBuV/m dB Detector Comme	ient
1 2390.0000 21.68 33.01 54.69 74.00 -19.31 Peak	
2 2390. 0000 13. 08 33. 01 46. 09 54. 00 -7. 91 AVG	
3 2416.6000 57.52 33.12 90.64 74.00 16.64 Peak No Li	imit
4 * 2419. 9000 49. 46 33. 14 82. 60 54. 00 28. 60 AVG No Li	imit

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Vertical



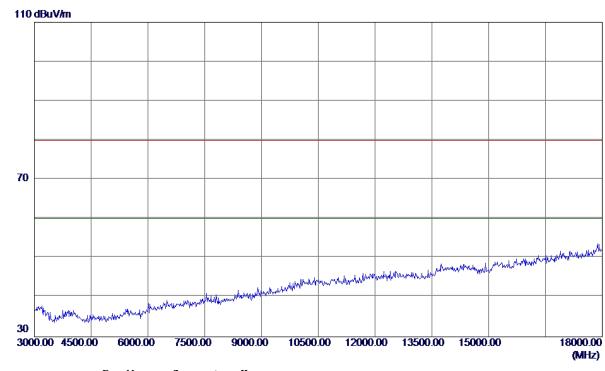
N	0.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment

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Vertical



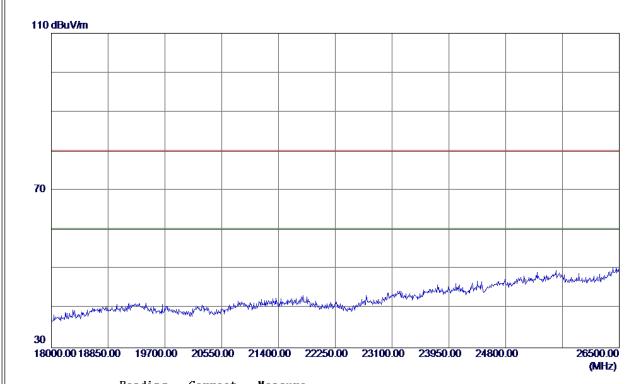
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



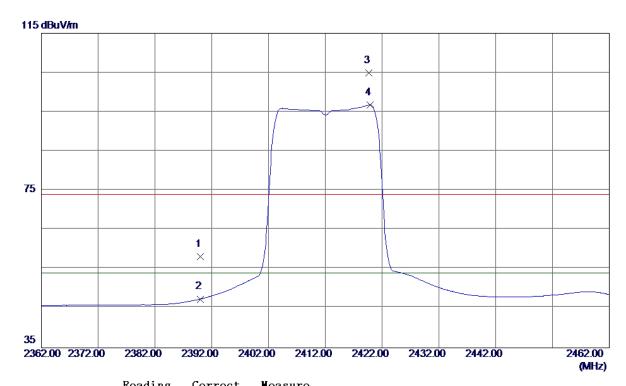
Ì	lo.	Freq.	keading Level	correct Factor	measure ment	Limit	Margin			
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



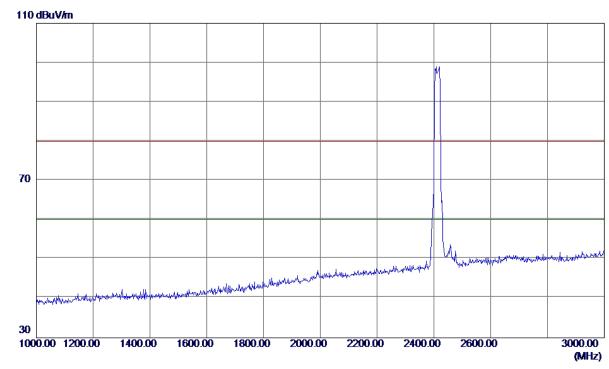
No.	Freq.	keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	25. 18	33. 01	58. 19	74.00	-15. 81	Peak	
2	2390. 0000	14. 39	33. 01	47. 40	54.00	-6. 60	AVG	
3	2419. 7000	71. 76	33. 13	104. 89	74.00	30. 89	Peak	No Limit
4 *	2419. 9000	63. 62	33. 14	96. 76	54.00	42. 76	AVG	No Limit

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Horizontal



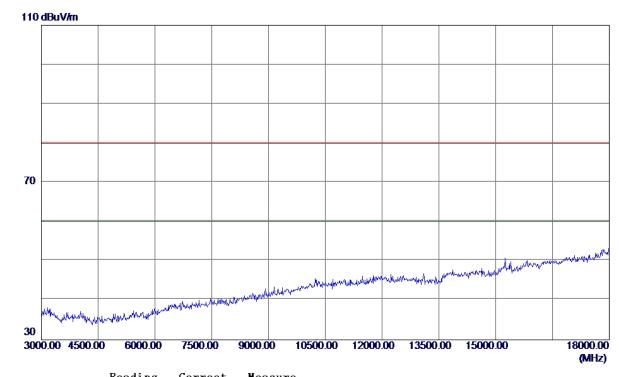
N	0.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment

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Horizontal



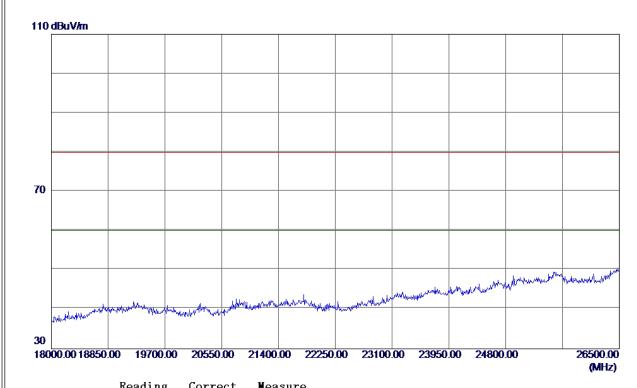
]	No.	Freq.	keading Level	Factor	measure ment	Limit	Margin			
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



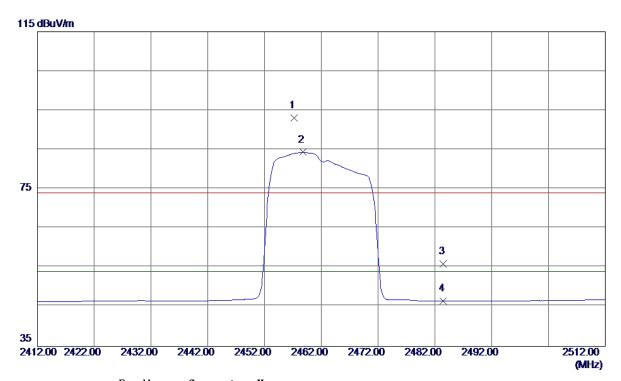
]	No.	Freq.	Level	Factor	measure ment	Limit	Margin			
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



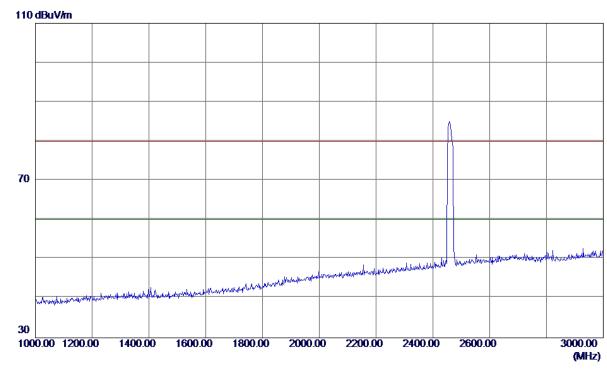
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2457. 2000	59. 79	33. 29	93. 08	74.00	19. 08	Peak	No Limit
2 *	2458. 8000	51.06	33. 30	84. 36	54.00	30. 36	AVG	No Limit
3	2483. 5000	22. 52	33. 40	55. 92	74.00	-18. 08	Peak	
4	2483. 5000	13. 07	33. 40	46. 47	54.00	-7. 53	AVG	

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Vertical



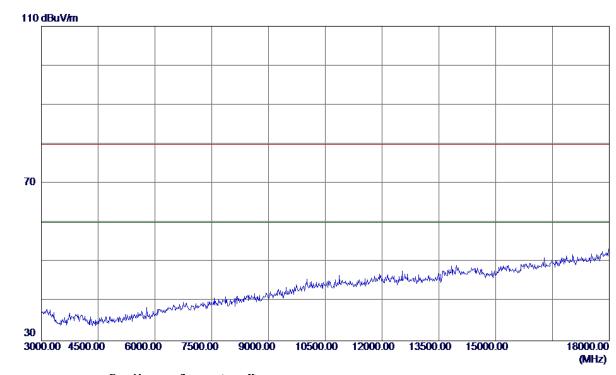
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

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Vertical



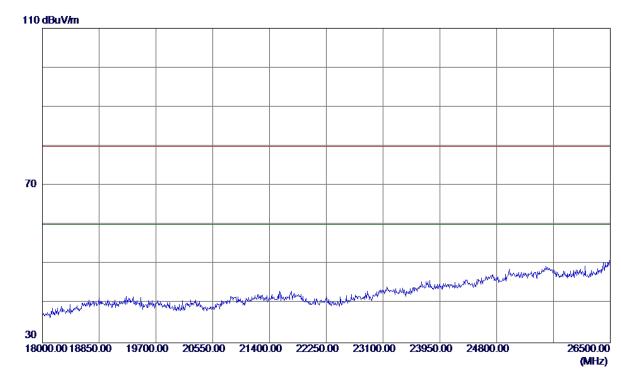
No	o.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



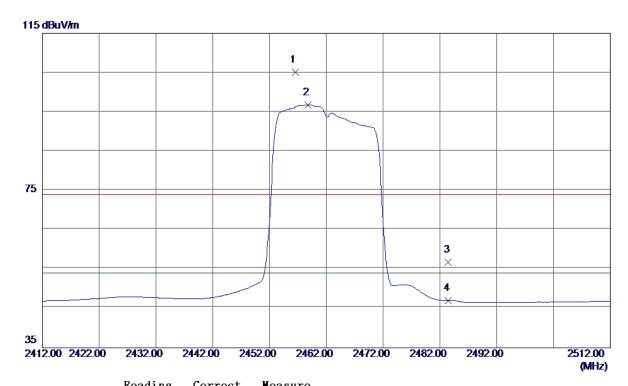
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



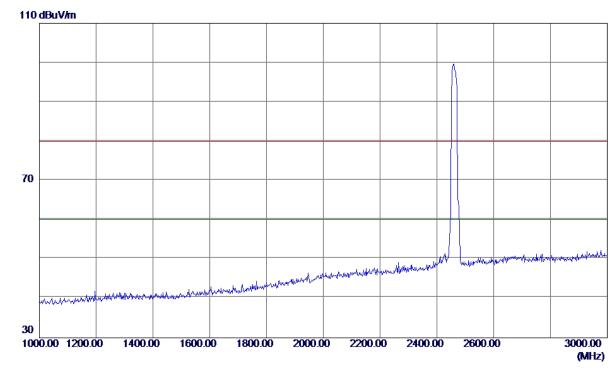
No.	Freq.	keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2456. 5000	71.86	33. 29	105. 15	74.00	31. 15	Peak	No Limit
2 *	2458. 8000	63. 51	33. 30	96. 81	54.00	42.81	AVG	No Limit
3	2483. 5000	23. 39	33. 40	56. 79	74.00	-17. 21	Peak	
4	2483. 5000	13. 56	33. 40	46. 96	54.00	-7. 04	AVG	

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Horizontal



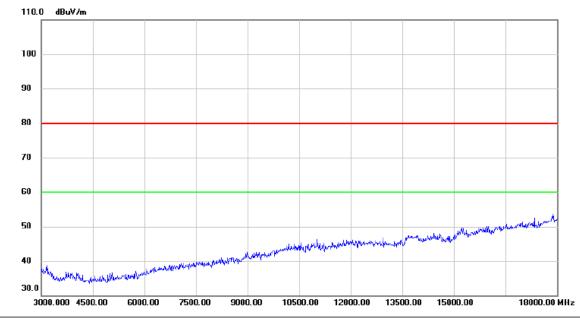
N	0.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment

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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	

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Horizontal



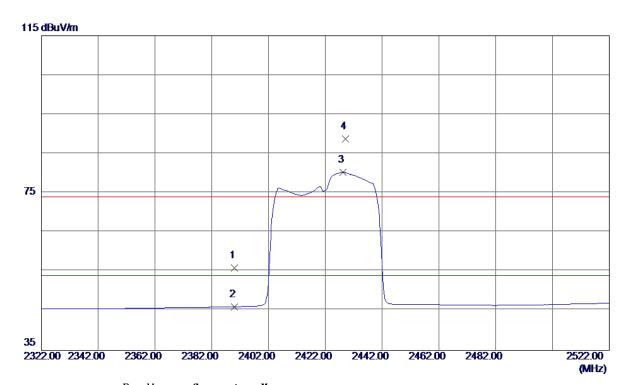
No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



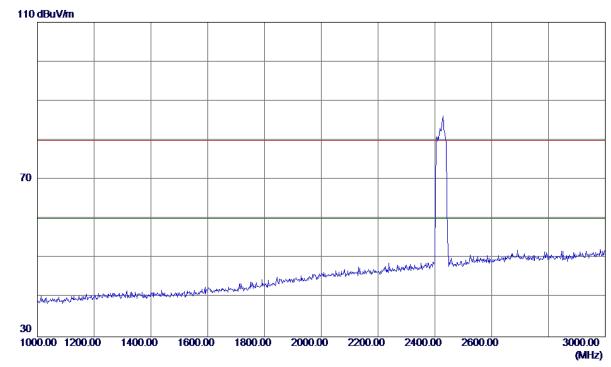
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390.0000	22. 94	33. 01	55. 95	74.00	-18.05	Peak	
2	2390. 0000	13. 04	33. 01	46. 05	54.00	-7. 95	AVG	
3 *	2428. 2000	47. 12	33. 17	80. 29	54.00	26. 29	AVG	No Limit
4	2429. 2000	55. 51	33. 17	88. 68	74.00	14. 68	Peak	No Limit

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Vertical



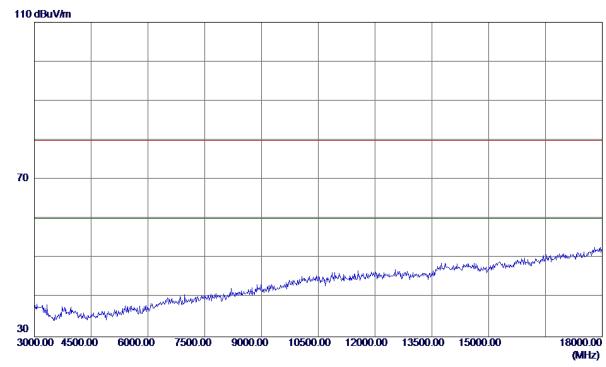
N	lo.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment

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Vertical



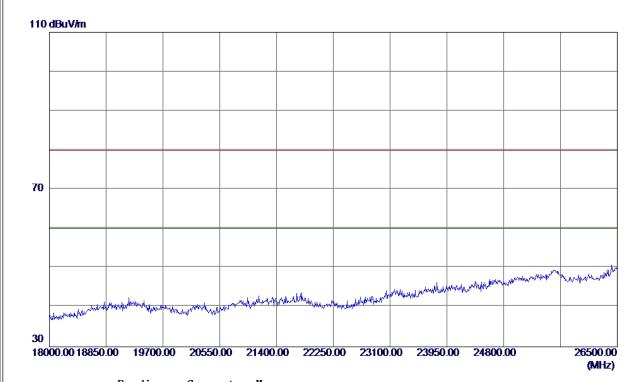
N	lo.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment

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Vertical



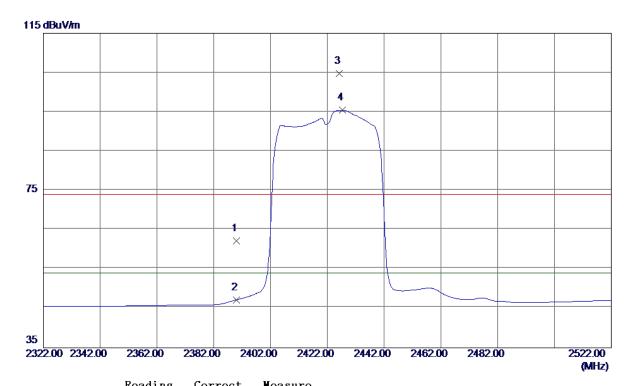
No	. Freq.	Keading Level	Correct Factor	measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



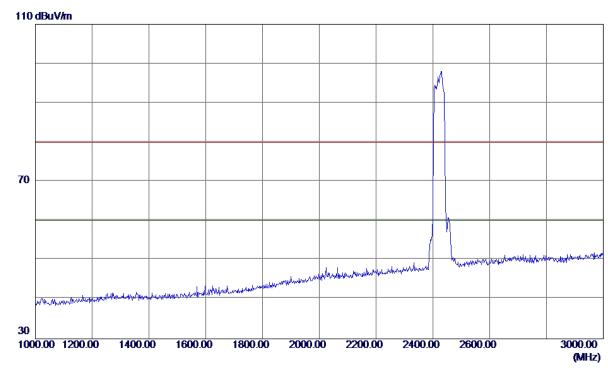
No.	Freq.	keading Level	Correct Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2390. 0000	29. 16	33. 01	62. 17	74.00	-11. 83	Peak	
2	2390. 0000	14. 18	33. 01	47. 19	54.00	-6.81	AVG	
3	2426. 2000	71. 54	33. 16	104. 70	74.00	30. 70	Peak	No Limit
4 *	2427. 4000	62. 23	33. 17	95. 40	54.00	41. 40	AVG	No Limit

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Horizontal



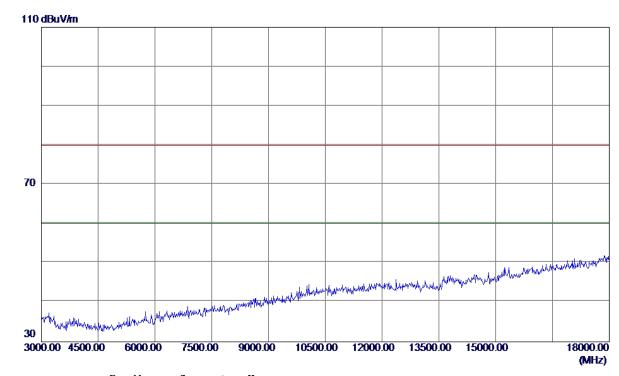
N	0.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment

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Horizontal



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

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Horizontal



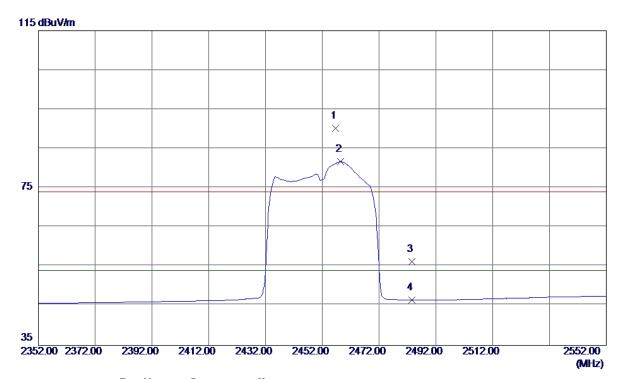
No.	Freq.	Keading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



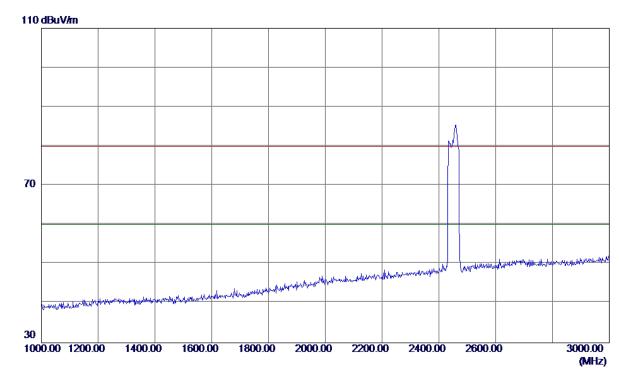
MHz dBuV/m dB dBuV/m dB uV/m dB Detector Comment 1 2456.6000 56.97 33.29 90.26 74.00 16.26 Peak No Limit 2 * 2458.4000 48.38 33.30 81.68 54.00 27.68 AVG No Limit 3 2483.5000 22.95 33.40 56.35 74.00 -17.65 Peak 4 2483.5000 13.08 33.40 46.48 54.00 -7.52 AVG	ľ	Vo.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
2 * 2458. 4000 48. 38 33. 30 81. 68 54. 00 27. 68 AVG No Limit 3 2483. 5000 22. 95 33. 40 56. 35 74. 00 -17. 65 Peak			MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
3 2483. 5000 22. 95 33. 40 56. 35 74. 00 -17. 65 Peak	1	L	2456.6000	56. 97	33. 29	90. 26	74.00	16. 26	Peak	No Limit
	2	<u></u> *	2458. 4000	48. 38	33. 30	81. 68	54.00	27. 68	AVG	No Limit
4 2483 5000 13 08 33 40 46 48 54 00 -7 52 AVC	3	}	2483. 5000	22. 95	33. 40	56. 35	74.00	-17. 65	Peak	
1 2100.0000 10.00 00.10 10.10 01.00 1.02 1.00	4	Ł	2483. 5000	13. 08	33. 40	46. 48	54.00	-7. 52	AVG	

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Vertical



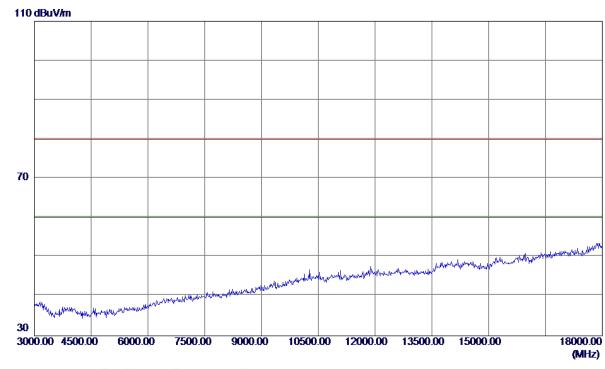
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Vertical



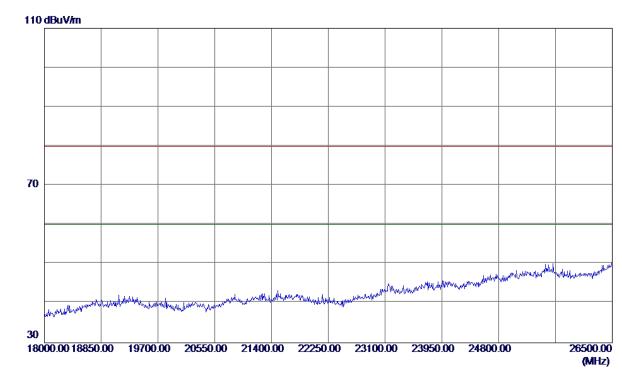
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

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Vertical



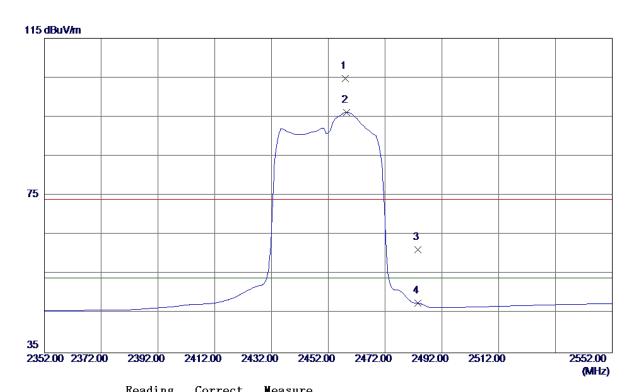
No.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



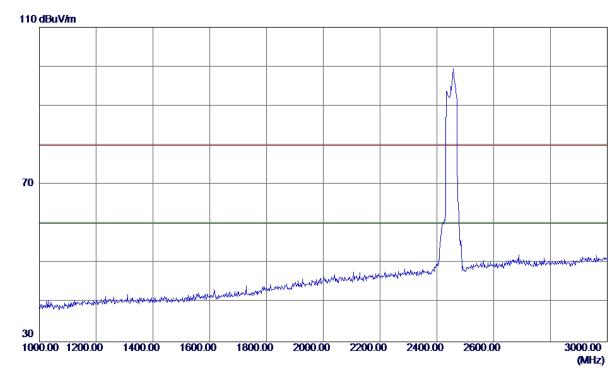
No.	Freq.	keading Level	Factor	measure ment	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	2458. 0000	71. 40	33. 29	104. 69	74.00	30. 69	Peak	No Limit
2 *	2458. 4000	62. 87	33. 30	96. 17	54.00	42. 17	AVG	No Limit
3	2483. 5000	27. 91	33. 40	61. 31	74.00	-12. 69	Peak	
4	2483. 5000	14. 18	33. 40	47. 58	54.00	-6. 42	AVG	

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Horizontal



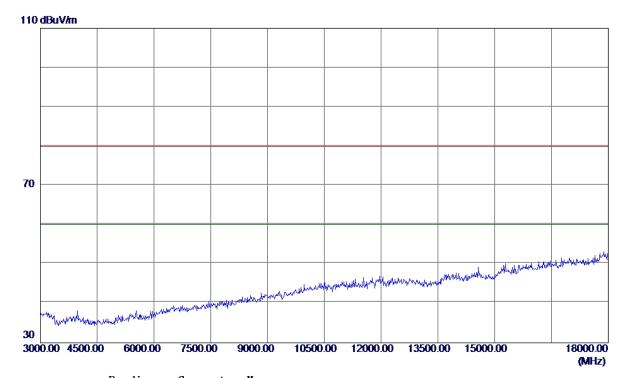
N	lo.	Freq.	Reading Level	Correct Factor	Measure ment	Limit	Margin		
		MHz	dBuV/m	dB	dBu V/m	dBuV/m	dB	Detector	Comment

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Horizontal



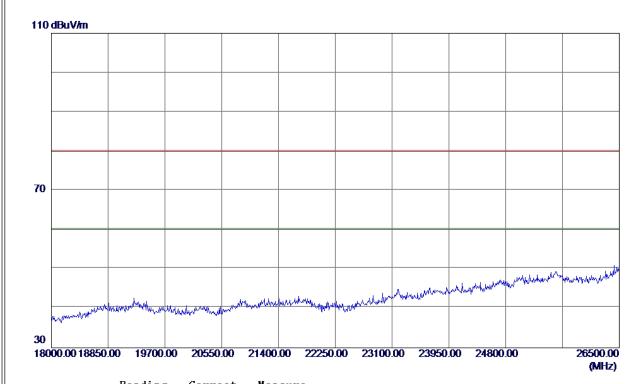
No	. Freq.	Keading Level	Correct Factor	measure ment	Limit	Margin			
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Horizontal



Ì	lo.	Freq.	keading Level	correct Factor	measure ment	Limit	Margin			
		MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment	

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Γ	
	ATTACHMENT E - BANDWIDTH

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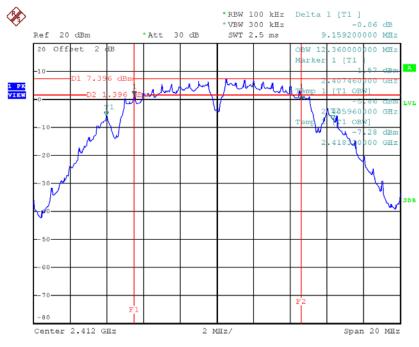




Test Mode: TX B Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	9.16	12.36	500	Complies
2437	9.57	12.48	500	Complies
2462	9.07	12.28	500	Complies

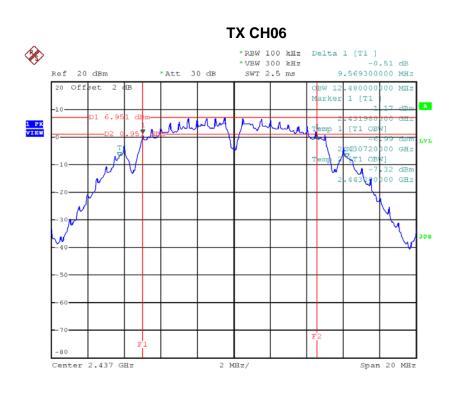
TX CH01

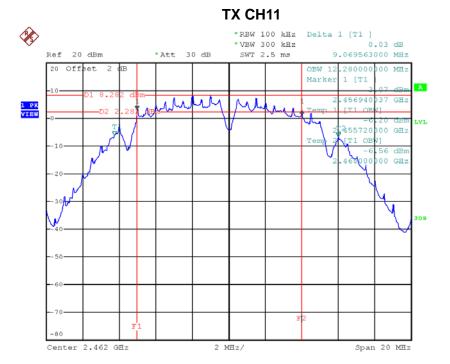


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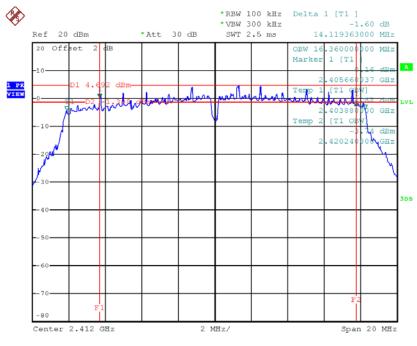




Test Mode: TX G Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	14.12	16.36	500	Complies
2437	15.56	16.48	500	Complies
2462	15.72	16.4	500	Complies

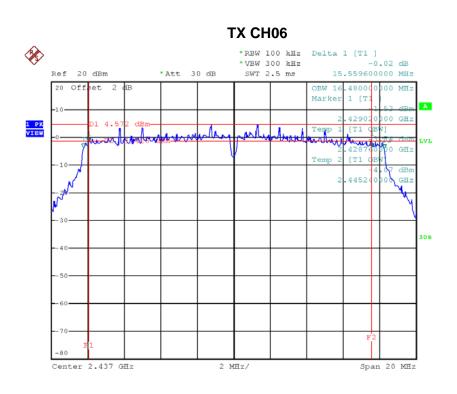


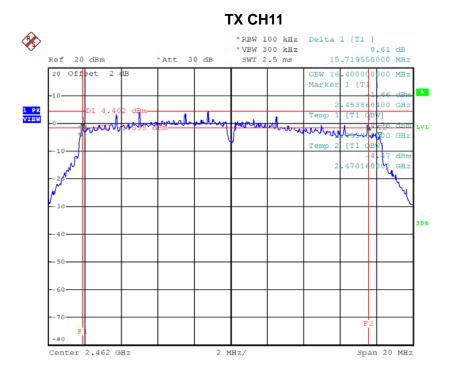


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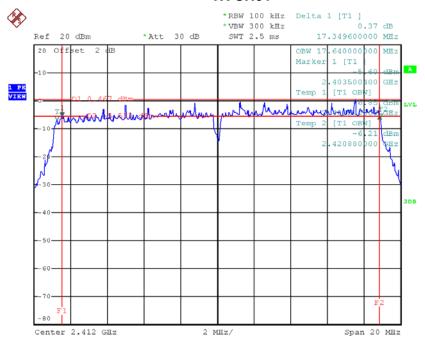




Test Mode: TX N-20MHz Mode_CH01/06/11

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2412	17.35	17.64	500	Complies
2437	17.67	17.72	500	Complies
2462	17.23	17.68	500	Complies

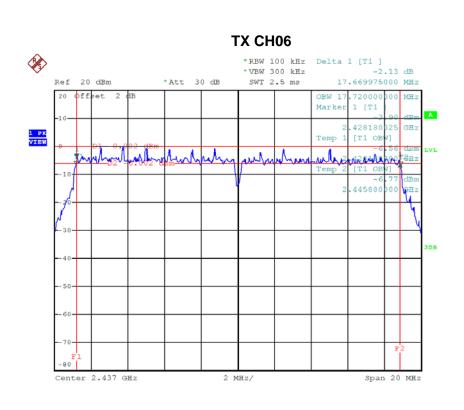
TX CH01

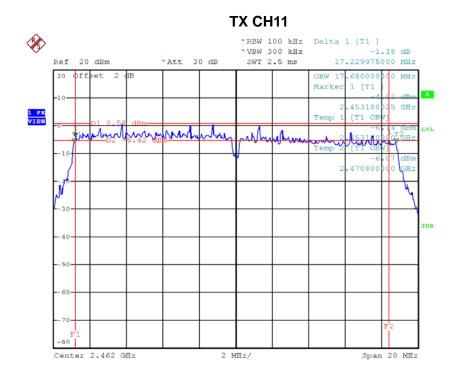


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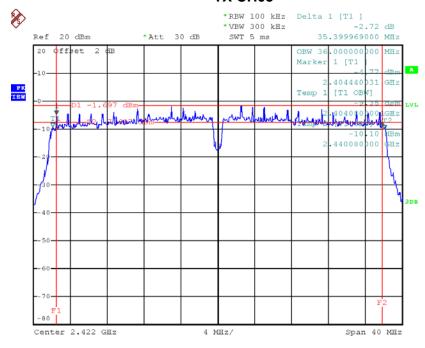




Test Mode: TX N-40MHz Mode_CH03/06/09

Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2422	35.4	36	500	Complies
2437	36.12	36.24	500	Complies
2452	35.28	36	500	Complies

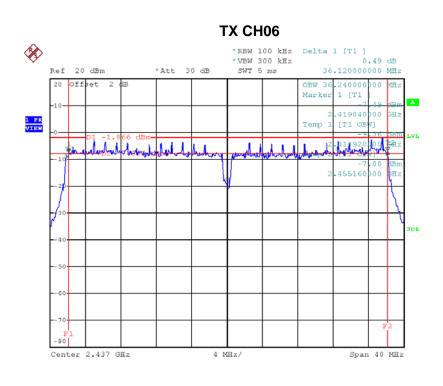
TX CH03

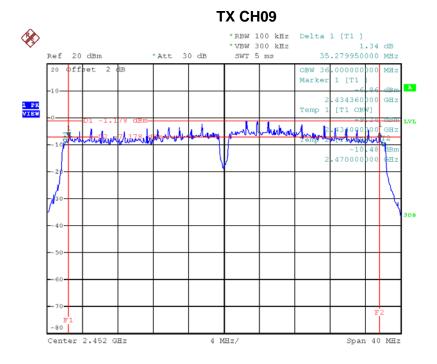


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ATTACHMENT F – MAXIMUM PEAK CONDUCTED OUTPUT POWER

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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)	Resuit						
2412	19.59	0.09	30.00	1.00	Complies						
2437	19.36	0.09	30.00	1.00	Complies						
2462	19.72	0.09	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	24.05	0.25	30.00	1.00	Complies					
2437	24.35	0.27	30.00	1.00	Complies					
2462	23.75	0.24	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)			
2412	21.80	0.15	30.00	1.00	Complies		
2437	21.62	0.15	30.00	1.00	Complies		
2462	22.11	0.16	30.00	1.00	Complies		

Test Mode :TX N40 Mode_CH03/06/09							
Frequency	Conducted	Conducted	Max. Limit	Max. Limit	Result		
(MHz)	Power (dBm)	Power (W)	(dBm)	(W)			
2422	22.10	0.16	30.00	1.00	Complies		
2437	22.39	0.17	30.00	1.00	Complies		
2452	21.89	0.15	30.00	1.00	Complies		

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ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

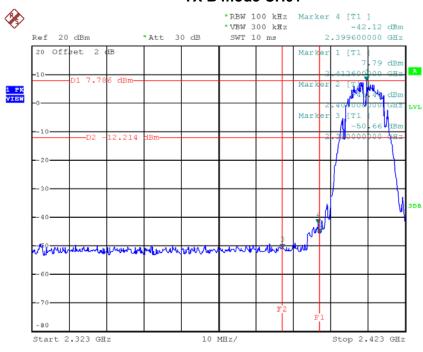
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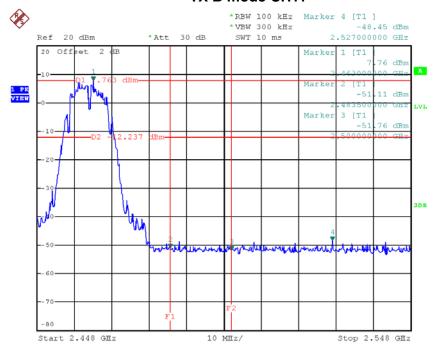




TX B mode CH01



TX B mode CH11

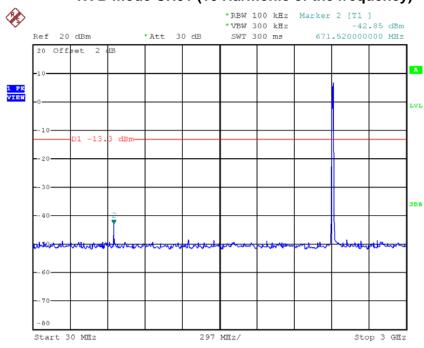


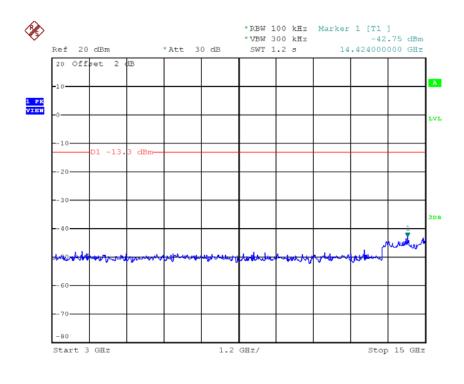
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TX B mode CH01 (10 Harmonic of the frequency)

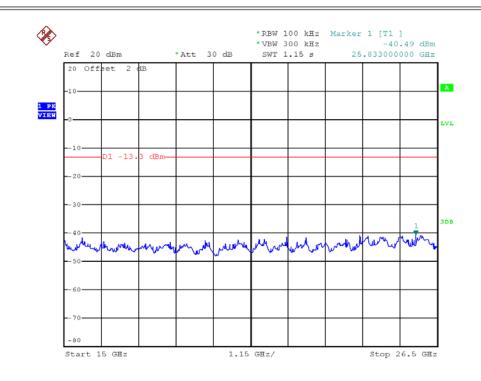




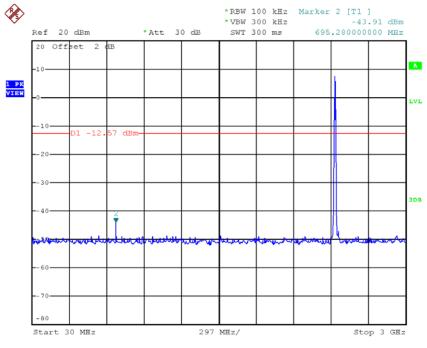
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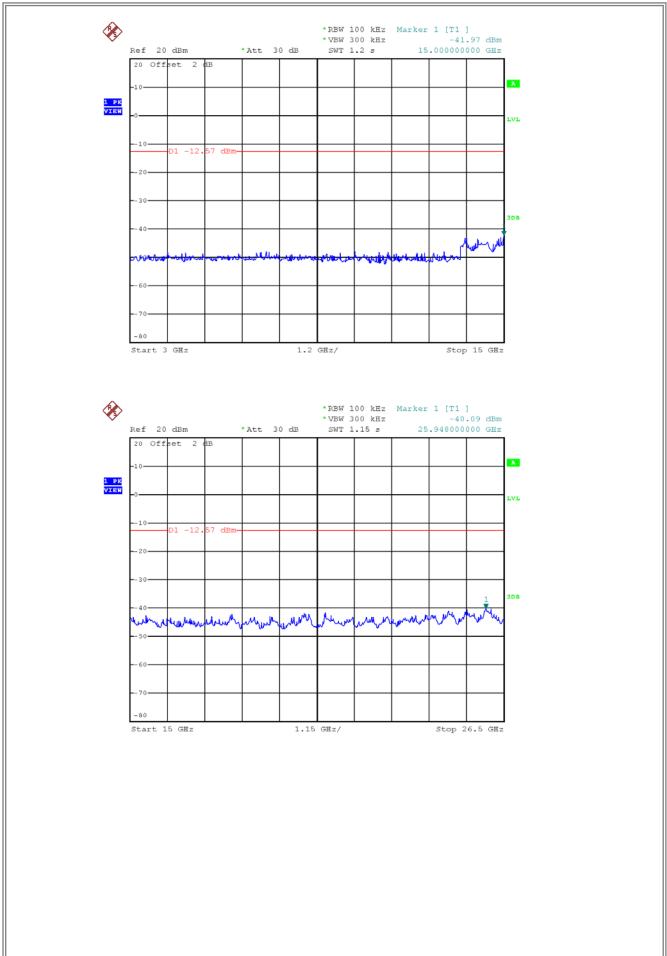
TX B mode CH06 (10 Harmonic of the frequency)



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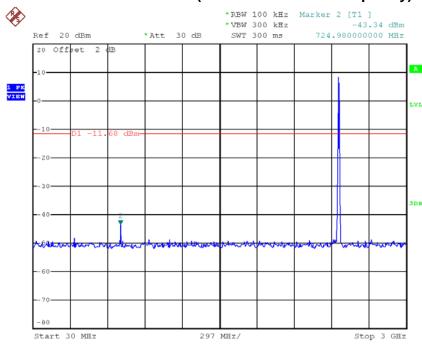


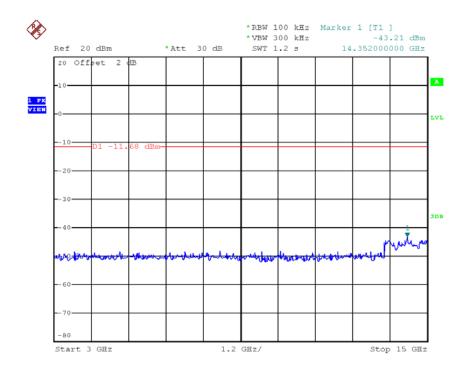
Report No.: BTL-FCCP-3-1701C155A





TX B mode CH11 (10 Harmonic of the frequency)

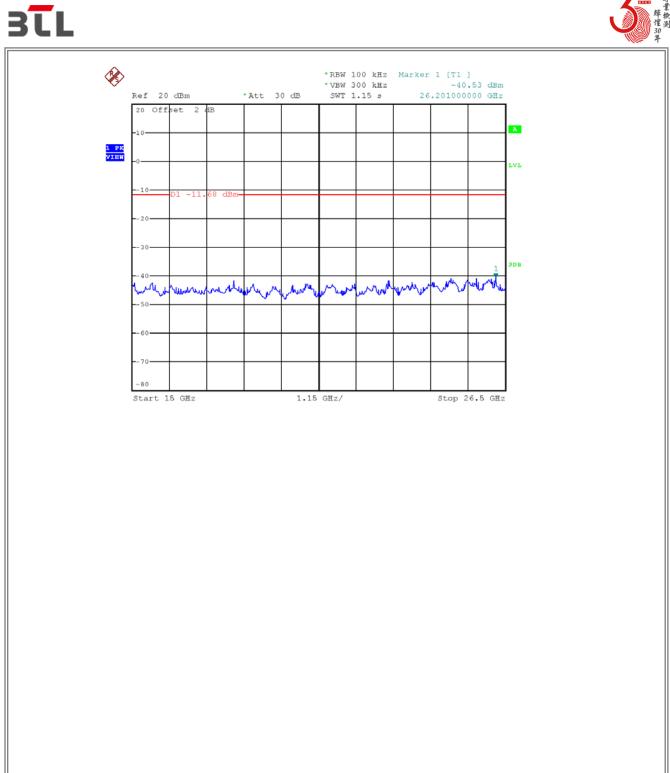




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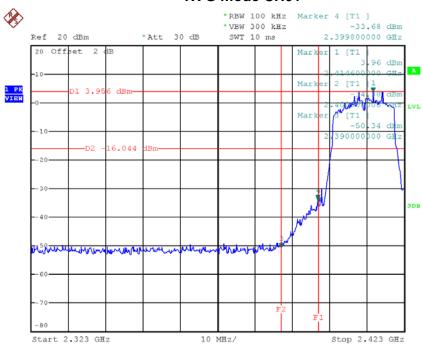
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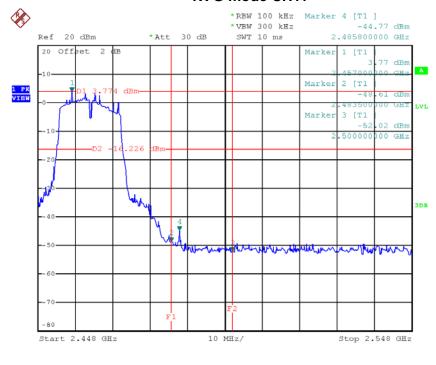








TX G mode CH11

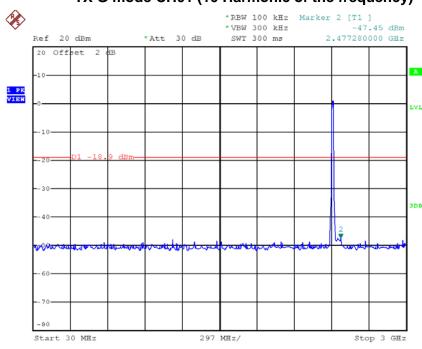


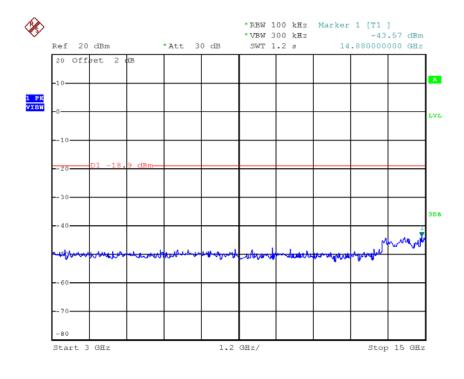
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TX G mode CH01 (10 Harmonic of the frequency)

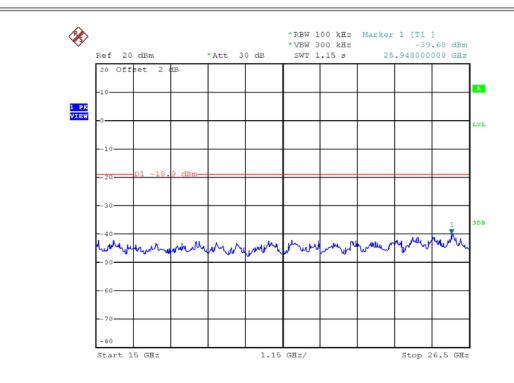




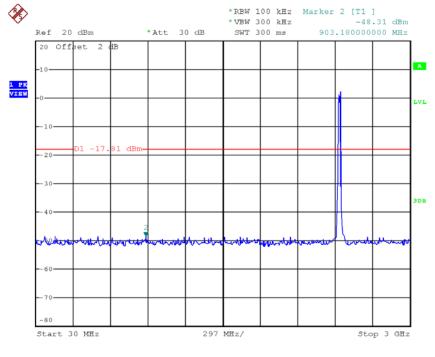
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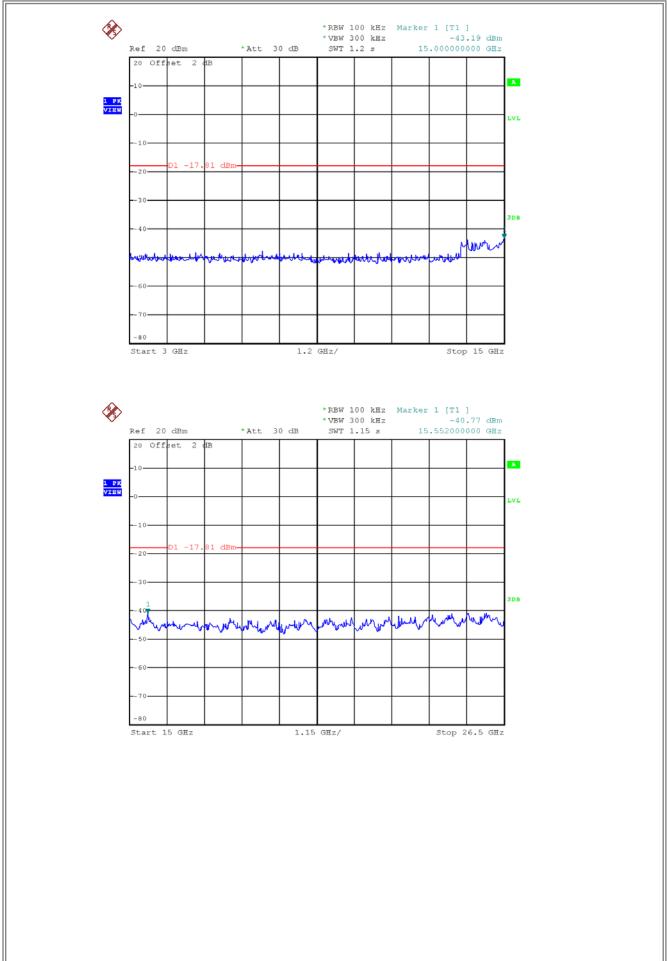
TX G mode CH06 (10 Harmonic of the frequency)



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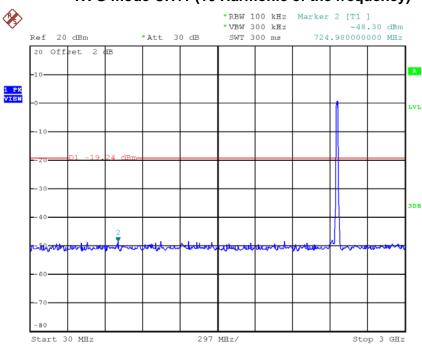


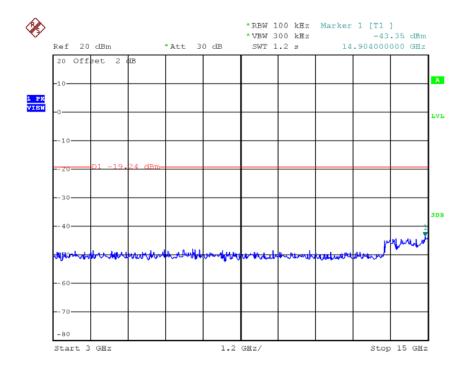
Report No.: BTL-FCCP-3-1701C155A





TX G mode CH11 (10 Harmonic of the frequency)

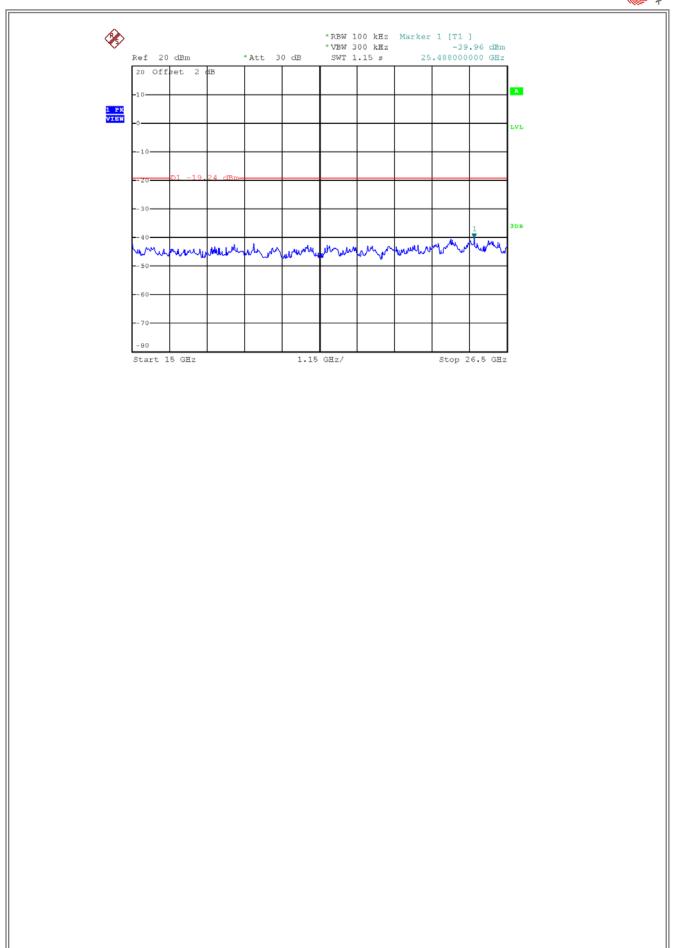




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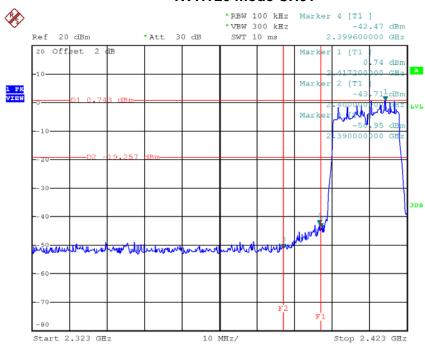
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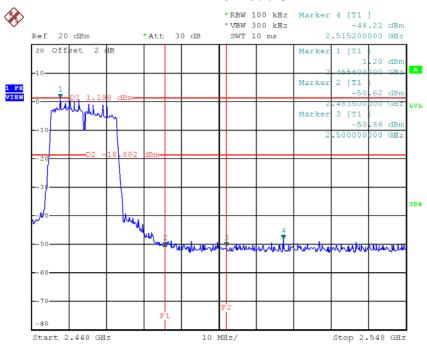




TX HT20 mode CH01



TX HT20 mode CH11

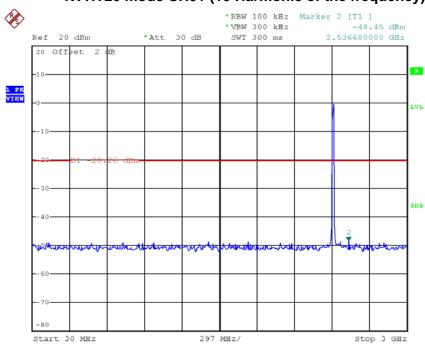


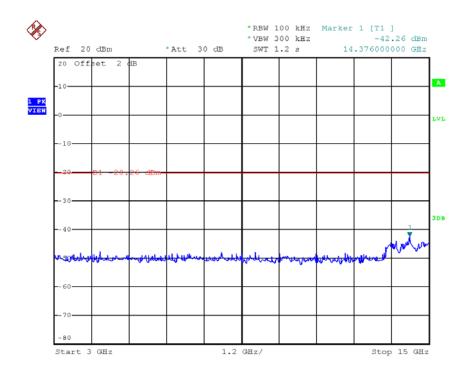
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TX HT20 mode CH01 (10 Harmonic of the frequency)

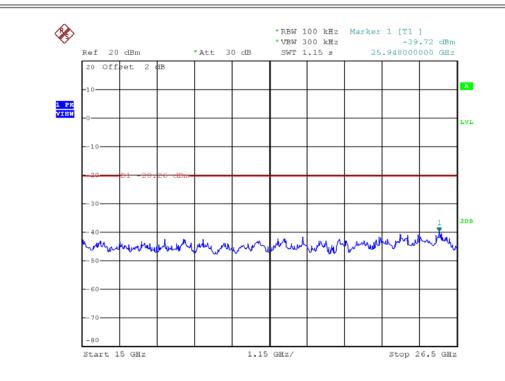




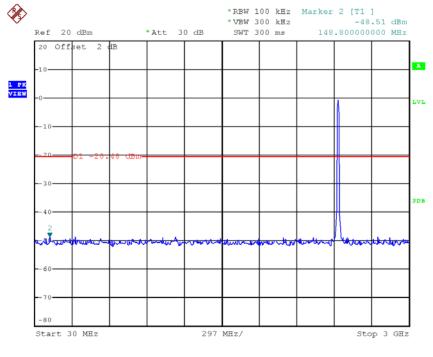
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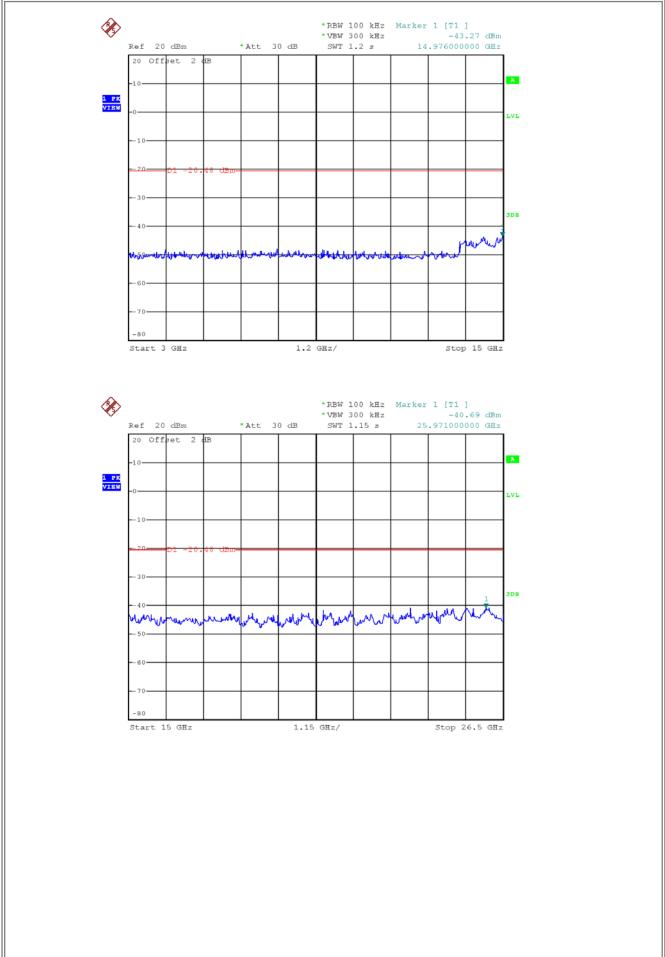
TX HT20 mode CH06 (10 Harmonic of the frequency)



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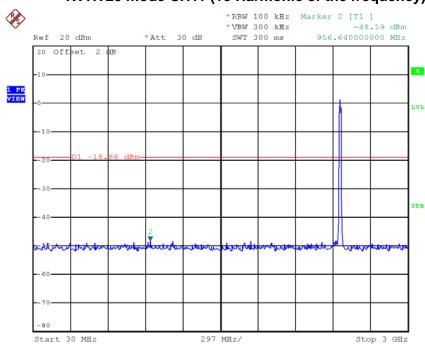
Report No.: BTL-FCCP-3-1701C155A

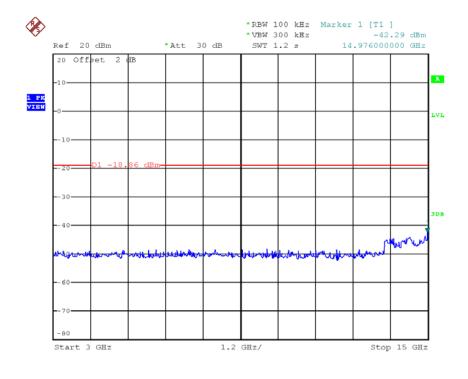
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TX HT20 mode CH11 (10 Harmonic of the frequency)

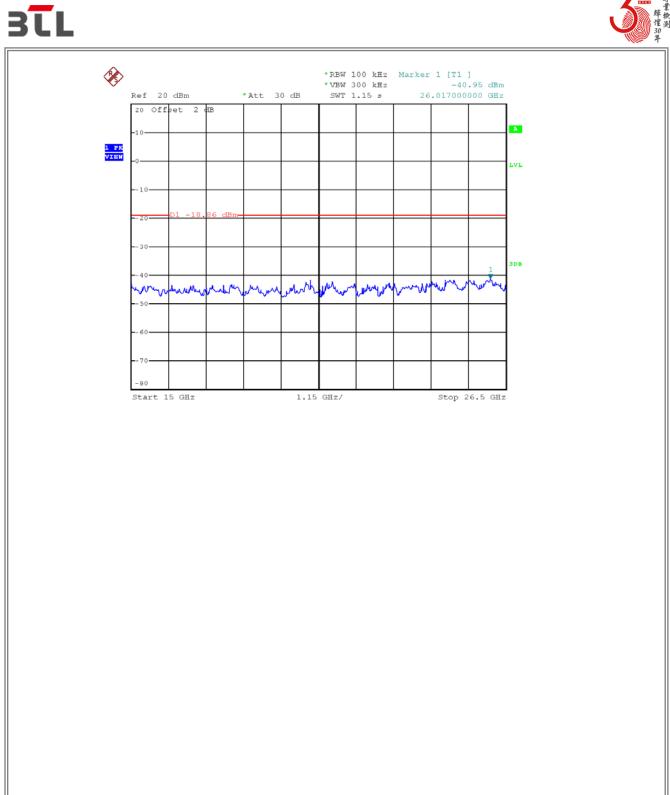




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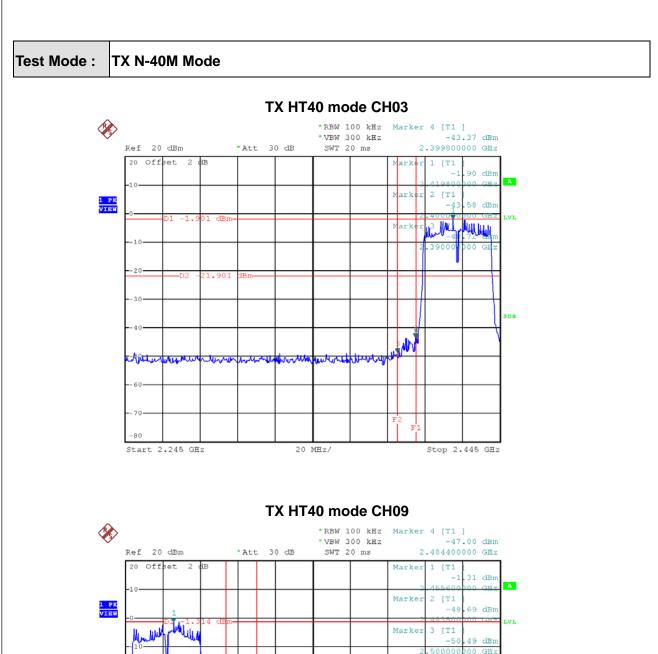


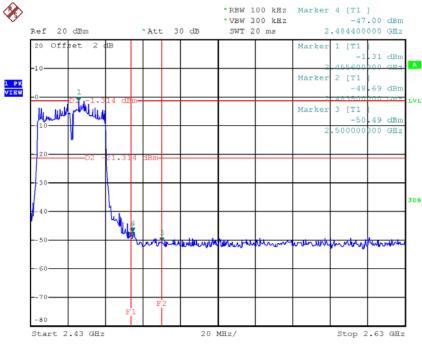


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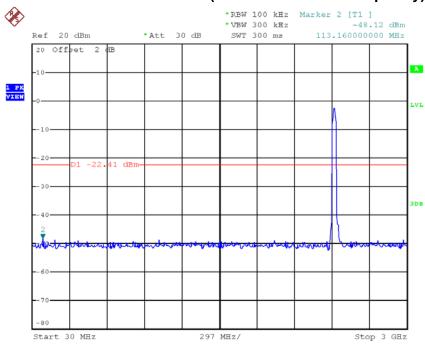


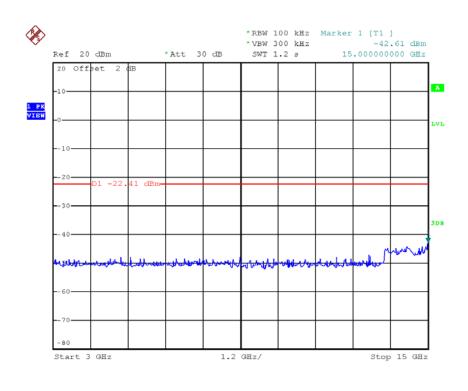
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TX HT40 mode CH03 (10 Harmonic of the frequency)

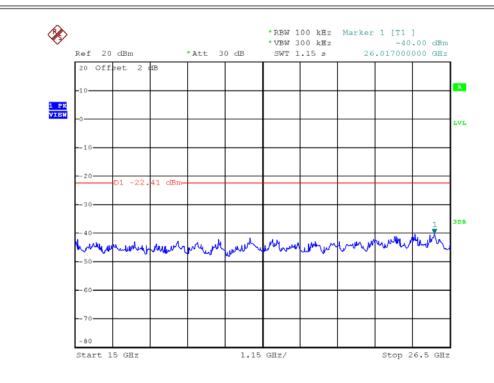




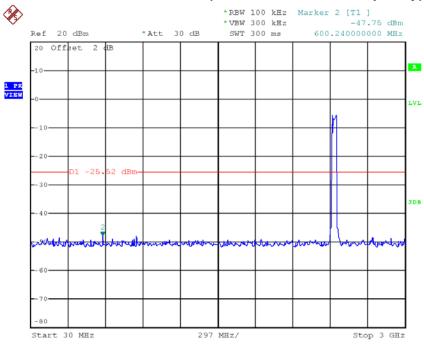
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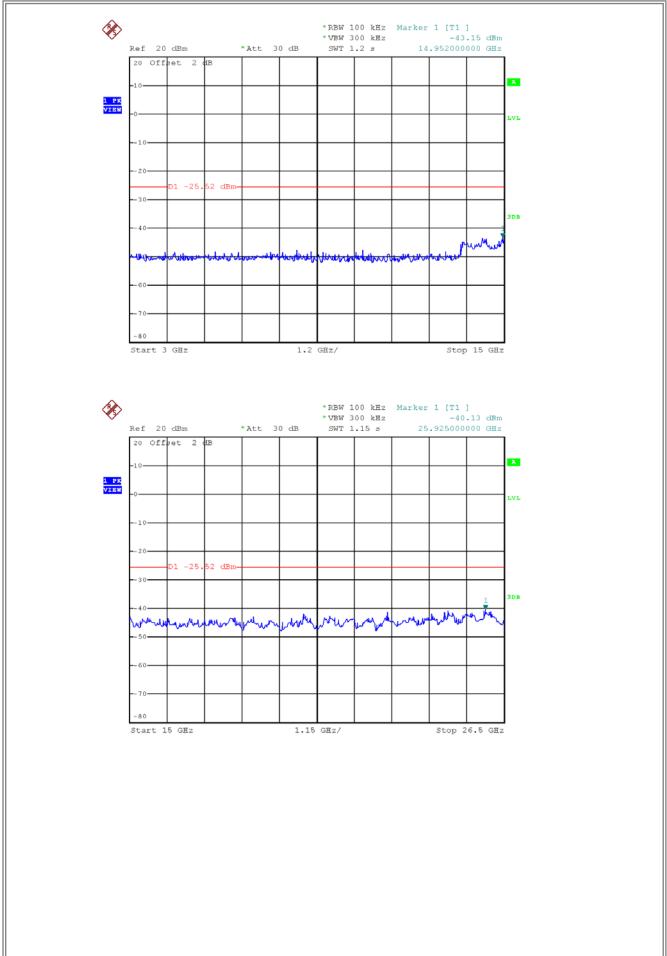
TX HT40 mode CH06 (10 Harmonic of the frequency)



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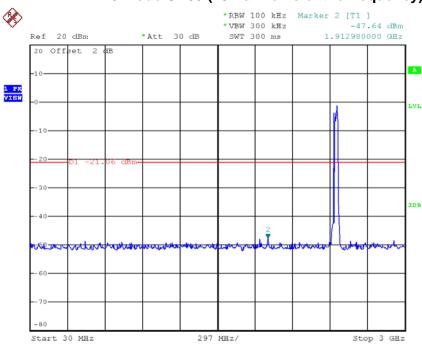
Report No.: BTL-FCCP-3-1701C155A

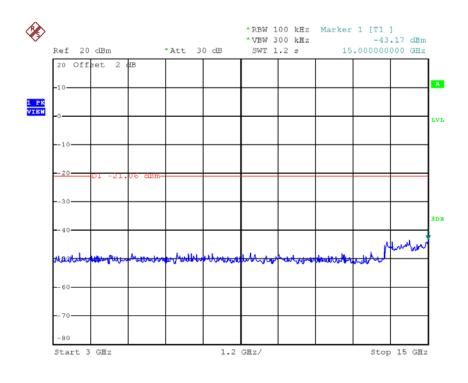
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TX HT40 mode CH09 (10 Harmonic of the frequency)

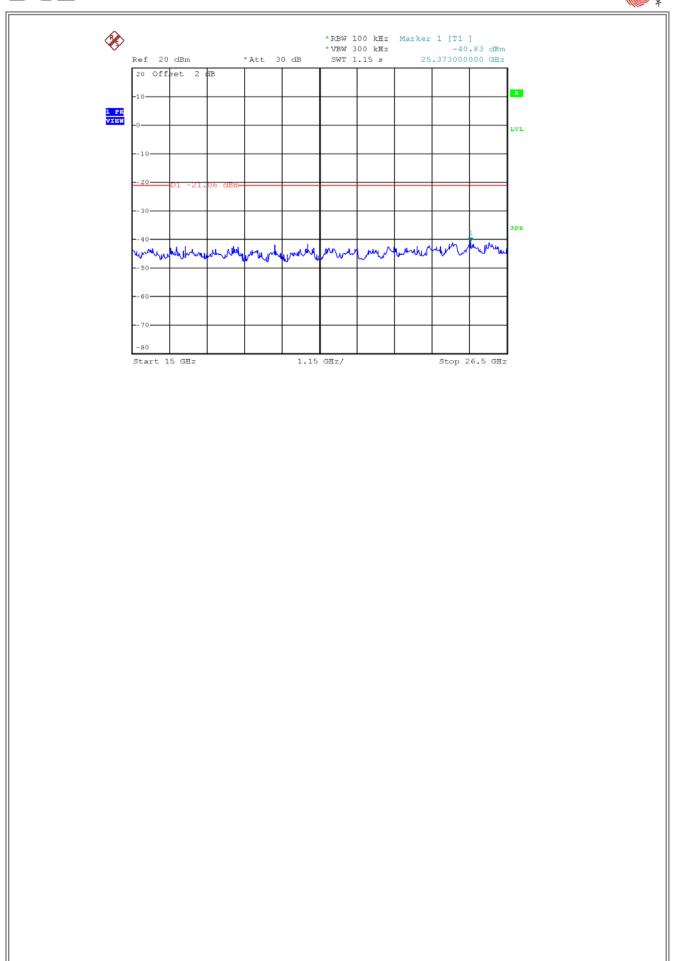




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ATTACHMENT	H - POWER	SPECTRAL	DENSITY

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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	-7.69	0.1702	8.00	Complies
2437	-7.46	0.1795	8.00	Complies
2462	-6.17	0.2415	8.00	Complies

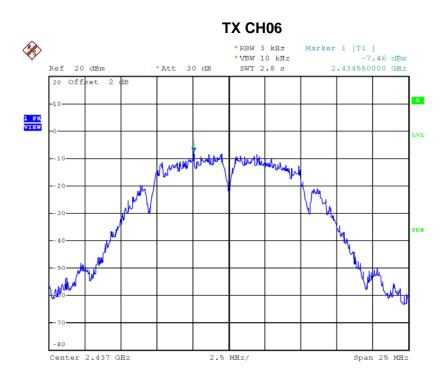
TX CH01

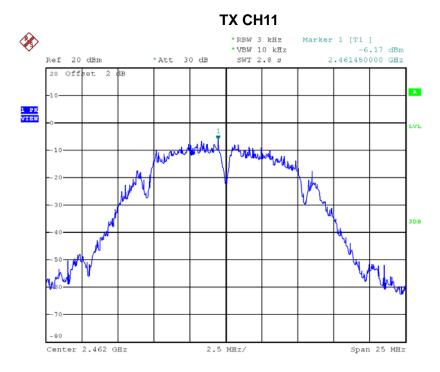


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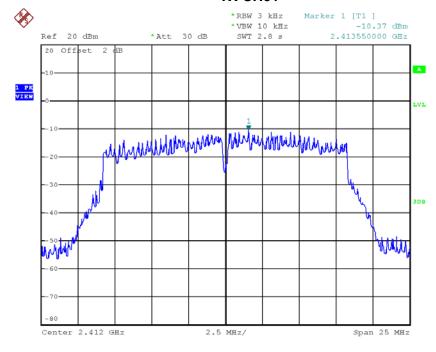




Test Mode :TX G Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-10.37	0.0918	8.00	Complies
2437	-10.43	0.0906	8.00	Complies
2462	-11.07	0.0782	8.00	Complies

TX CH01

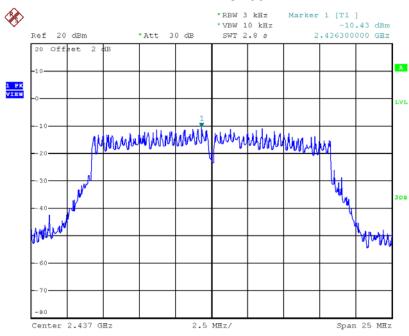


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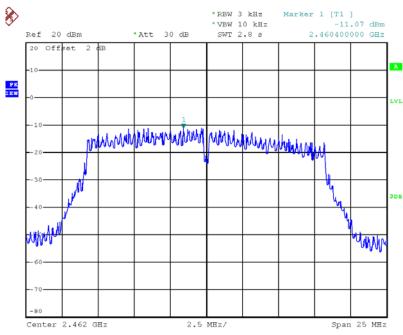








TX CH11



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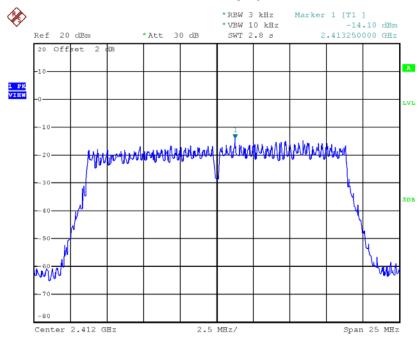




Test Mode: TX N-20M Mode_CH01/06/11

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2412	-14.10	0.0389	8.00	Complies
2437	-14.29	0.0372	8.00	Complies
2462	-12.17	0.0607	8.00	Complies

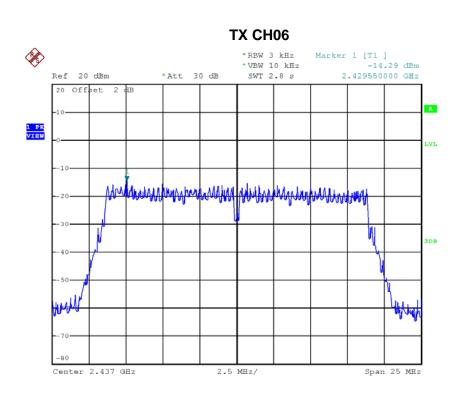
TX CH01

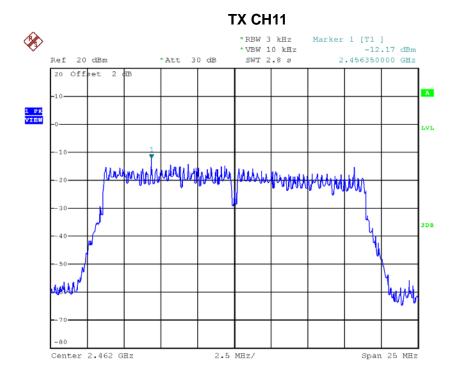


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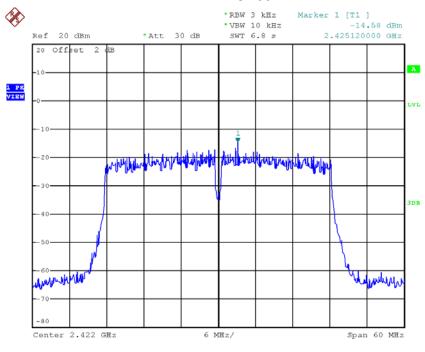




Test Mode: TX N-40M Mode_CH03/06/09

Frequency (MHz)	Power Density (dBm/3kHz)	Power Density (mW/3kHz)	Max. Limit (dBm/3kHz)	Result
2422	-14.58	0.0348	8.00	Complies
2437	-17.44	0.0180	8.00	Complies
2452	-15.96	0.0254	8.00	Complies

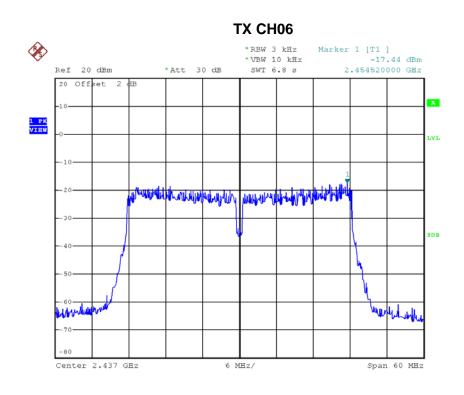
TX CH03

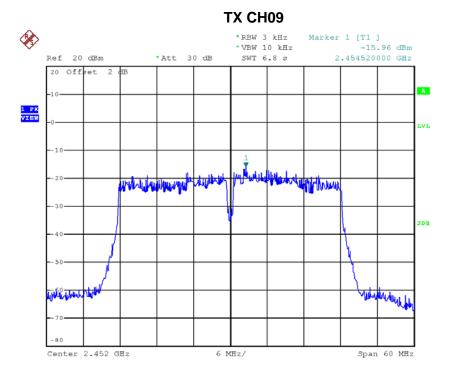


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