FCC&IC Radio Test Report

FCC ID: O57TB3710F

IC: 10407A-TB3710F

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

Project No.	:	1509C320H
Equipment	:	Portable Tablet Computer
Model Name	:	Lenovo TB3-710F
Applicant	:	LENOVO (SHANGHAI) ELECTRONICS TECHNOLOGY CO LTD
Address	:	NO 68 BUILDING 199 FENJU RD, CHINA (SHANGHAI) PILOT FREE TRADE ZONE, SHANGHAI, 200131 CHINA

Date of Receipt	:	Sep. 29, 2015 Jan. 15, 2016
Date of Test	:	Sep. 29, 2015 ~ Oct. 09, 2015 Jan. 15, 2016 ~ Jan. 22, 2016
Issued Date	:	Jan. 25, 2016
Tested by	:	BTL Inc.

Testing Engineer : Shawn xiao

(Shawn Xiao)

Technical Manager : David Mao

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Declaration

BTL represents to the client that testing is done in accordance with standard procedures as applicable and that test instruments used has been calibrated with standards traceable to international standard(s) and/or national standard(s).

BTL's reports apply only to the specific samples tested under conditions. It is manufacture's responsibility to ensure that additional production units of this model are manufactured with the identical electrical and mechanical components. **BTL** shall have no liability for any declarations, inferences or generalizations drawn by the client or others from **BTL** issued reports.

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Limitation

For the use of the authority's logo is limited unless the Test Standard(s)/Scope(s)/Item(s) mentioned in this test report is (are) included in the conformity assessment authorities acceptance respective.

Table of Contents Page

Table of Contents Page

REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FICP-2-1509C320	Original Report.	Oct. 12, 2015
BTL-FICP-2-1509C320A	Compared with the previous report (BTL-FICP-2-1509C320), the main supply added the 16GB Memory-EMMC (model: THGBMFG7C2LBAL, supplier: Toshiba) which does not affect the test results, the rest are kept the same.	Nov. 04, 2015
BTL-FICP-2-1509C320H	Compared with the previous report (BTL-FICP-2-1509C320A), the differ in below: 1. Added the PCB board Version 2.0 for main supply and secondary supply. 2. Added a USB cable. Only the conducted emission and Radiated emission below 1G has re-evaluation and recorded, the rest are kept the same.	Jan. 25, 2016

1. CERTIFICATION

Equipment	:	Portable Tablet Computer
Brand Name	:	Lenovo
Model Name	:	Lenovo TB3-710F
Applicant	:	LENOVO (SHANGHAI) ELECTRONICS TECHNOLOGY CO LTD
Manufacturer	:	Lenovo PC HK Limited
Address	:	23/F, Lincoln House, Taikoo Place 979 King's Road, Quarry Bay, Hong Kong
Date of Test	:	Sep. 29, 2015 ~ Oct. 09, 2015 Jan. 15, 2016 ~ Jan. 22, 2016
Test Sample	:	Engineering Sample
Standard(s)	:	FCC Part15, Subpart C (15.247) / ANSI C63.10-2013 Canada RSS-247 Issue 1, May 2015 RSS-GEN Issue 4, Nov 2014

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-FICP-2-1509C320H) 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).

Test results included in this report is only for the Bluetooth LE part.

2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15 (15.247) , Subpart C; Canada RSS-247 Issue 1, May 2015, RSS-GEN Issue 4, Nov 2014				
Standard(s)	Section	Test Item	Judgment	Remark
15.207	RSS-GEN 8.8	Conducted Emission	PASS	
15.247(d)	RSS-247 5.5	Antenna conducted Spurious Emission	PASS	
15.247(a)(2)	RSS-247 5.2 (1)	6dB Bandwidth	PASS	
15.247(b)(3)	RSS-247 5.4 (4)	Peak Output Power	PASS	
15.247(e)	RSS-247 5.2 (2)	Power Spectral Density	PASS	
15.203	-	Antenna Requirement	PASS	
15.209/15.205	RSS-247 5.5	Transmitter Radiated Emissions	PASS	

NOTE:

(1)” N/A” denotes test is not applicable to this device.

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

2.2 MEASUREMENT UNCERTAINTY

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

The reported uncertainty of measurement **y** ± **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)
DG-CB03 (3m)	CISPR	9KHz ~ 30MHz	V	3.79
		9KHz ~ 30MHz	H	3.57
		30MHz ~ 200MHz	V	3.82
		30MHz ~ 200MHz	H	3.78
		200MHz ~ 1,000MHz	V	4.10
		200MHz ~ 1,000MHz	H	4.06

Test Site	Method	Measurement Frequency Range	Ant. H / V	U,(dB)
DG-CB03 (3m)	CISPR	1GHz ~ 18GHz	V	3.12
		1GHz ~ 18GHz	H	3.68
		18GHz ~ 40GHz	V	4.15
		18GHz ~ 40GHz	H	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	Portable Tablet Computer	
Brand Name	Lenovo	
Model Name	Lenovo TB3-710F	
Model Difference	This model has three configurations: main supply, secondary supply and third supply. Please refer to note 3.	
Product D scription	Operation Frequency	2402~2480 MHz
	Modulation Technology	GFSK(1Mbps)
	Bit Rate of Transmitter	
	Output Power (Max.)	-3.12dBm (1Mbps)
Power Source	#1 DC voltage supplied from AC/DC adapter. #2 Supplied from USB port. #3 Supplied from rechargeable Li-Polymer battery.	
Power Rating	Please refer to note 2	

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.
2. The EUT contains following accessory devices

Product	Brand	Model or S/N	Description
Adapter(US)	Huntkey	C-P56/ HQ60310548000	I/P: 100-240V~ 50/60Hz, 0.15A O/P: 5.0V, 1.0A
	Acbel	C-P56/ HQ60311132000	I/P: 100-240V~ 50/60Hz, 0.13A O/P: 5.0V, 1.0A
Battery	lenovo	L13D1P31	3.8VDC, 3450mAh
	lenovo	CA3087A0HV	3.8VDC, 3450mAh
USB Cable	LIQI	L16B-05100070L/ HQ60320546000	70cm shielded cable w/o core
	RIDONGSHENG	R16B-05100070/ HQ60320676000	70cm shielded cable w/o core

3.

Main Supply				
Part Name	S/N	Model Name	Description	Supplier
Baseband chip	HQ11100368000	MT8127A/D	WIFI	MediaTek
PMIC	HQ11100356000	MT6323LGA	-	MediaTek
WIFI chip	HQ11110038000	MT6627N	WIFI-BT-FM-GPS four-in-one chip	MediaTek
Memory-EMMC	HQ11120292000	KLMAG2WEPD-B031	EMMC(TLC)_16GB	Samsung
Memory-EMMC	-	THGBMFG7C2LBAIL	EMMC(MLC)_16GB	Toshiba **(Remark)**
Memory-EMMC	HQ11120291000	KLM8G1WEPD-B031	EMMC(MLC)_8GB	Samsung
Memory-DDR3	HQ11120264000	H9CKNNN8GTMPLR-NUH	LPDDR3_8Gb	Hynix
PCB	HQ12101701000	A1900_MB_PCB_V1.0 A1900_MB_PCB_V2.0	-	HUASHEN
LCD	HQ20100818000	TXDT700EPLA-68	7Inch_1024*600	TXD
TP	HQ21711193000	TTCT070121	A1900A	Top-Touch
Camera_Front	HQ20201113000	BLX0A20H-A1900-F	-	BRODSANDS
Camera_Back	HQ20201108000	BLX2508H-A1900-B	-	BRODSANDS
Speaker	HQ20310105000	XHS151118SW43P38-02	-	Haosheng
Shell	HQ20701027000	HQZA1900AJA_01	-	JANUS劲胜
Shell	HQ20741605000	HQZA1900AJA_02	-	JANUS劲胜
Shell	HQ21400541000	HQZA1900AJA_03	-	JANUS劲胜
MIC_Weld	HQ20500069000	OB-F15LX42-1592-C10C33EP	-	HUAFENG
Adapter(US)	HQ60310548000	C-P56	I/P: 100-240V~ 50/60Hz, 0.15A O/P: 5.0V, 1.0A	Huntkey
USB Cable	HQ60320546000	L16B-05100070L	70cm	LIQI
USB Cable	HQ60320676000	R16B-05100070	70cm	RIDONG SHENG
Battery	HQ60331045000	S5000(ATL)	3450mAh	SUNWODA

Remark: This component is secondary supply, the only difference between second supply and main supply is the model and supplier of 16G Memory-EMMC, the rest is same.

Secondary Supply				
Part Name	S/N	Model Name	Description	Supplier
Memory-EMMC	HQ11120419000	THGBMFG6C1LBAIL	EMMC(MLC)_8GB	Toshiba
Memory-EMMC	-	THGBMAG6A2JBAIR	EMMC(MLC)_8GB	Toshiba **(Remark)**
Memory-DDR3	HQ11120371000	K4E8E324EB-AGCF	LPDDR3_8Gb	Samsung
Memory-DDR3	HQ11120262000	K4E8E304EE-AGCE	LPDDR3_8Gb	Samsung
PCB	HQ12101702000	A1900_MB_PCB_V1.0 A1900_MB_PCB_V2.0	-	Elec & Elteck
LCD	HQ20100822000	KD070D54-39NH-B2	7Inch_1024*600	K&D
TP	HQ21711200000	YCB0880700801A	A1900A	Each
Camera_Front	HQ20201114000	GI5953A1D-1P0J0	-	Qunhui
Camera_Back	HQ20201117000	GV5954B1S-1P0J0	-	Qunhui
Speaker	HQ2031012500	KFSC1115G3.5-08-0.7W-D	-	Xichun
MIC_Weld	HQ20500068000	CM4015BC-423-WR138	-	Jinzun
Adapter(US)	HQ60311132000	C-P56	I/P: 100-240V~ 50/60Hz, 0.13A O/P: 5.0V, 1.0A	Acbel
USB Cable	HQ60320546000	L16B-05100070L	70cm	LIQI
USB Cable	HQ60320676000	R16B-05100070	70cm	RIDONG SHENG
Battery	HQ60331361000	S5000(COSLIGHT)	3450mAh	SCUD

Remark: This component is third supply, the only difference between third supply and second supply is the model of 8G Memory-EMMC, the rest is same.

4. Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	20	2442
01	2404	21	2444
02	2406	22	2446
03	2408	23	2448
04	2410	24	2450
05	2412	25	2452
06	2414	26	2454
07	2416	27	2456
08	2418	28	2458
09	2420	29	2460
10	2422	30	2462
11	2424	31	2464
12	2426	32	2466
13	2428	33	2468
14	2430	34	2470
15	2432	35	2472
16	2434	36	2474
17	2436	37	2476
18	2438	38	2478
19	2440	39	2480

5. Table for Filed Antenna:

Ant.	Brand	Model Name	Antenna Type	Connector	Gain (dBi)
1	N/A	A1900	Internal	N/A	0.35

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 Mode **NOTE (1)**
Mode 2	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 2	TX Mode

For Radiated Test	
Final Test Mode	Description
Mode 1	TX Mode **NOTE (1)**

Note:

(1) The measurements are performed at the high, middle, low available channels.

(2) Both adapter and battery are evaluated, operated the adapter is the worst and recorded as below test data

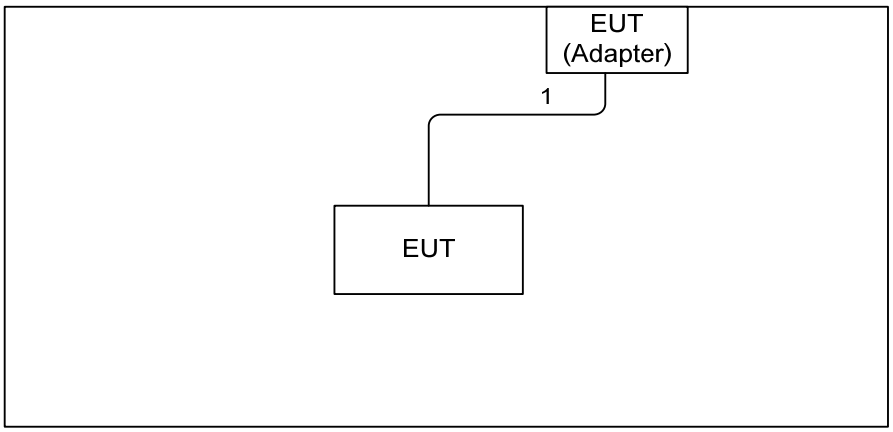
(3) The EUT is considered a portable unit, it was pre-tested on the positioned of each 3 axis. The worst case was found positioned on X-plane. Therefore only the test data of this X-plane was used for radiated emission measurement test

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)	2402	2440	2480
BT LE	N/A	N/A	N/A

3.4 BLOCK DIAGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED



3.5 DESCRIPTION OF SUPPORT UNITS

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

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

Item	Shielded Type	Ferrite Core	Length	Note
1	YES	NO	0.7m	USB Cable

Note:

(1) For detachable type I/O cable should be specified the length in m in『Length』column.

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

4.1.1 POWER LINE CONDUCTED EMISSION LIMITS (Frequency Range 150KHz-30MHz)

Frequency of Emission (MHz)	Conducted Limit (dBμV)	
	Quasi-peak	Average
0.15 -0.5	66 to 56*	56 to 46*
0.50 -5.0	56	46
5.0 -30.0	60	50

Note:

(1) The limit of " * " decreases with the logarithm of the frequency

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

The following table is the setting of the receiver

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

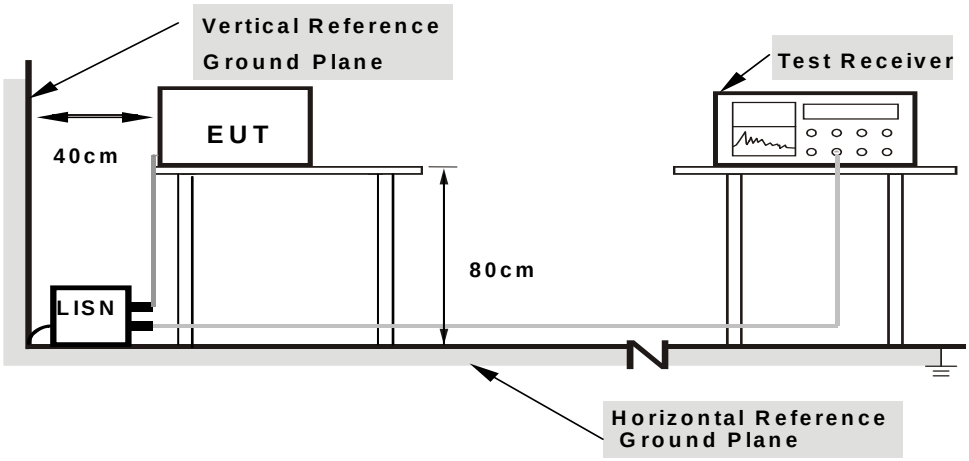
4.1.2 TEST PROCEDURE

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

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.
2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4.1.6 EUT TEST CONDITIONS

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

4.1.7 TEST RESULTS

Please refer to the Attachment A.

Remark:

(1) All readings are QP Mode value unless otherwise stated AVG in column of『Note』. If the QP Mode Measured value compliance with the QP Limits and lower than AVG Limits, the EUT shall be deemed to meet both QP & AVG Limits and then only QP Mode was measured, but AVG Mode didn‘t perform.In this case, a “ * ” marked in AVG Mode column of Interference Voltage Measured.
(2) Measuring frequency range from 150KHz to 30MHz.
(3) “ N/A” denotes test is not applicable to this device.

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) & RSS-247 5.5, then the 15.209(a) & RSS-Gen limit in the table below has to be followed.

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

Frequency (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(KHz)	300
0.490~1.705	24000/F(KHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
960~1000	500	3

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

Frequency (MHz)	(dBuV/m) (at 3 meters)	
	PEAK	AVERAGE
Above 1000	74	54

Notes:

(1) The limit for radiated test was performed according to FCC PART 15C.

(2) The tighter limit applies at the band edges.

(3) Emission level (dBuV/m)=20log Emission level (uV/m).

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

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

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

4.2.2 TEST PROCEDURE

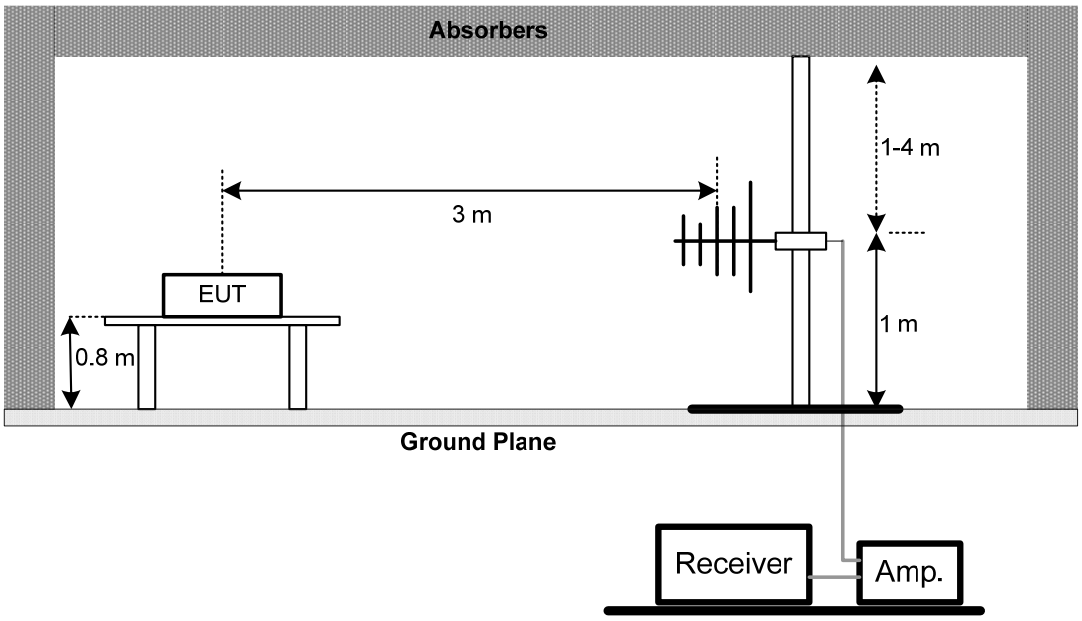
a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
b. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 1.5 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(above 1GHz)
c. The height of the equipment or of the substitution antenna shall be 0.8 m 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. 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.
e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

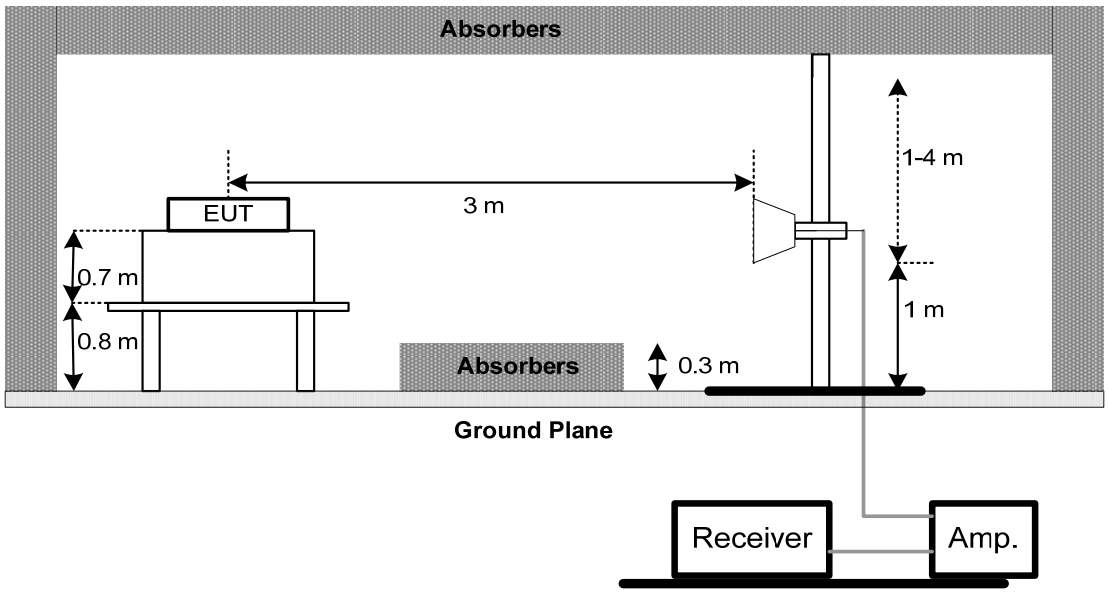
No deviation

4.2.4 TEST SETUP

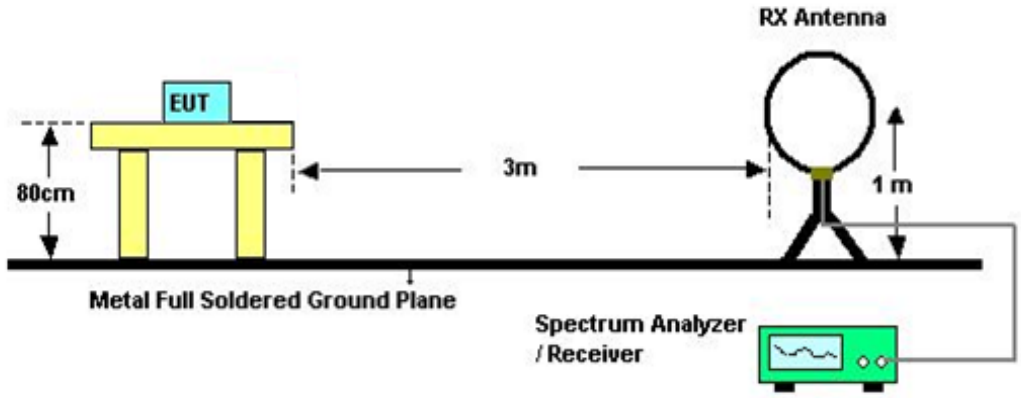
(A) Radiated Emission Test Set-Up Frequency Below 1 GHz



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



(C) For radiated emissions below 30MHz



4.2.5 EUT OPERATING CONDITIONS

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

4.2.6 EUT TEST CONDITIONS

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

4.2.7TEST 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.

4.2.8TEST RESULTS (30MHZ TO 1000 MHZ)

Please refer to the Attachment C.

Remark:

(1) 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.
(2) Measuring frequency range from 30MHz to 1000MHz.
(3) If the peak scan value lower limit more than 20dB, then this signal data does not show in table.

4.2.9TEST RESULTS (ABOVE 1000 MHZ)

Please refer to the Attachment D.

Remark:

(1) 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.
(2) Radiated emissions measured in frequency range above 1000MHz were made with an instrument using Peak detector mode and AV detector mode of the emission
(3) A preamp and high pass filter were used for this test in order to provide sufficient measurement sensitivity.
(4) EUT Orthogonal Axis:
"X" - denotes Laid on Table；"Y" - denotes Vertical Stand；"Z" - denotes Side Stand
(5) During the measurements above 1 GHz it is taken care of that the EUT is always within the 3 dB cone of radiation BW of the used antenna
(6) No limit: This is fundamental signal, the judgment is not applicable.
For fundamental signal judgment was referred to Peak output test.

5. BANDWIDTH TEST

5.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C/ RSS-GEN and RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(2) RSS-GEN section 6.6 RSS-247 5.2 (1)	Bandwidth	>= 500KHz (6dB bandwidth)	2400-2483.5	PASS

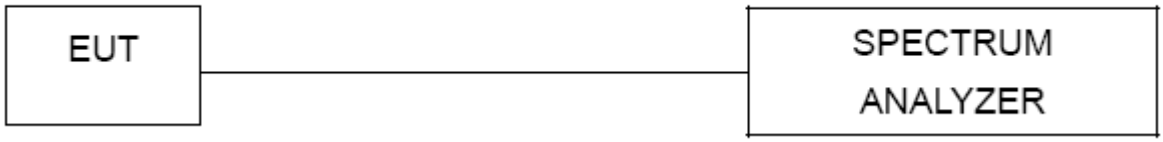
5.1.1 TEST PROCEDURE

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



5.1.4 EUT OPERATION CONDITIONS

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

5.1.5 EUT TEST CONDITIONS

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

5.1.6 TEST RESULTS

Please refer to the Attachment E.

6. MAXIMUM OUTPUT POWER TEST

6.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C/ RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(3) RSS-247 5.4 (4)	Maximum Output Power	1 watt or 30dBm	2400-2483.5	PASS

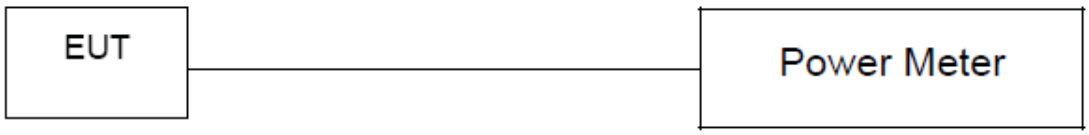
6.1.1 TEST PROCEDURE

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 v03r03.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

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

6.1.5 EUT TEST CONDITIONS

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

6.1.6 TEST RESULTS

Please refer to the Attachment F.

7. ANTENNA CONDUCTED SPURIOUS EMISSION

7.1 Applied procedures / limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated 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.

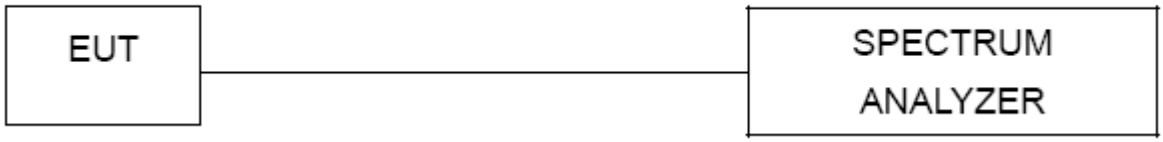
7.1.1 TEST PROCEDURE

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 = 10 ms.
c. Offset=antanna gain + cable loss

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP



7.1.4 EUT OPERATION CONDITIONS

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

7.1.5 EUT OPERATION CONDITIONS

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

7.1.6 TEST RESULTS

Please refer to the Attachment G.

8. POWER SPECTRAL DENSITY TEST

8.1 Applied procedures / limit

FCC Part15 (15.247) , Subpart C / RSS-247				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(e) RSS-247 5.2 (2)	Power Spectral Density	8 dBm (in any 3KHz)	2400-2483.5	PASS

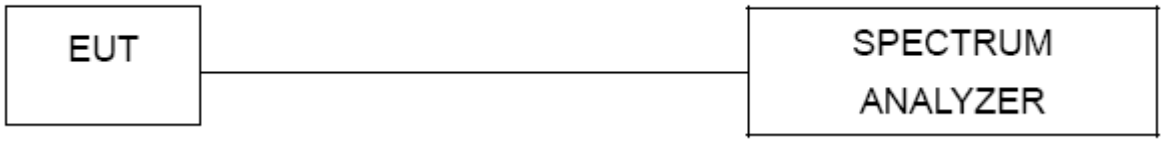
8.1.1 TEST PROCEDURE

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=10 KHz, Sweep time = auto.

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

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

8.1.5 EUT TEST CONDITIONS

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

8.1.6 TEST RESULTS

Please refer to the Attachment H.

9. MEASUREMENT INSTRUMENTS LIST

Conducted Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	LISN	EMCO	3816/2	00052765	Mar. 28, 2016
2	LISN	R&S	ENV216	101447	Mar. 28, 2016
3	Test Cable	emci	RG223(9KHz-30 MHz)	C_17	Mar. 13, 2016
4	EMI TEST RECEIVER	R&S	ESCS30	833364/017	Mar. 28, 2016
5	50Ω Terminator	SHX	TF2-3G-A	08122902	Mar. 28, 2016
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. 28, 2016
2	Amplifier	HP	8447D	2944A09673	Nov. 17, 2015
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2016
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 28, 2016
5	Controller	CT	SC100	N/A	N/A
6	Antenna	ETS	3115	00075789	Mar. 28, 2016
7	Amplifier	Agilent	8449B	3008A02274	Nov. 02, 2015
8	Receiver	AGILENT	N9038A	MY52130039	Sep. 30, 2016
9	Test Cable	emci	EMC104-SM-SM-10000(1GHz－26.5GHz)	C-68	Jun. 28, 2016
10	Controller	CT	SC100	N/A	N/A
11	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Mar. 28, 2016
12	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Aug. 15, 2016
13	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

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

Peak Output Power Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Power Meter	ANRITSU	ML2495A	1128009	Mar. 28, 2016
2	Pulse Power Sensor	ANRITSU	MA 2411B	1027500	Mar. 28, 2016

Antenna Conducted Spurious Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Nov. 02, 2015

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

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

10. EUT TEST PHOTO

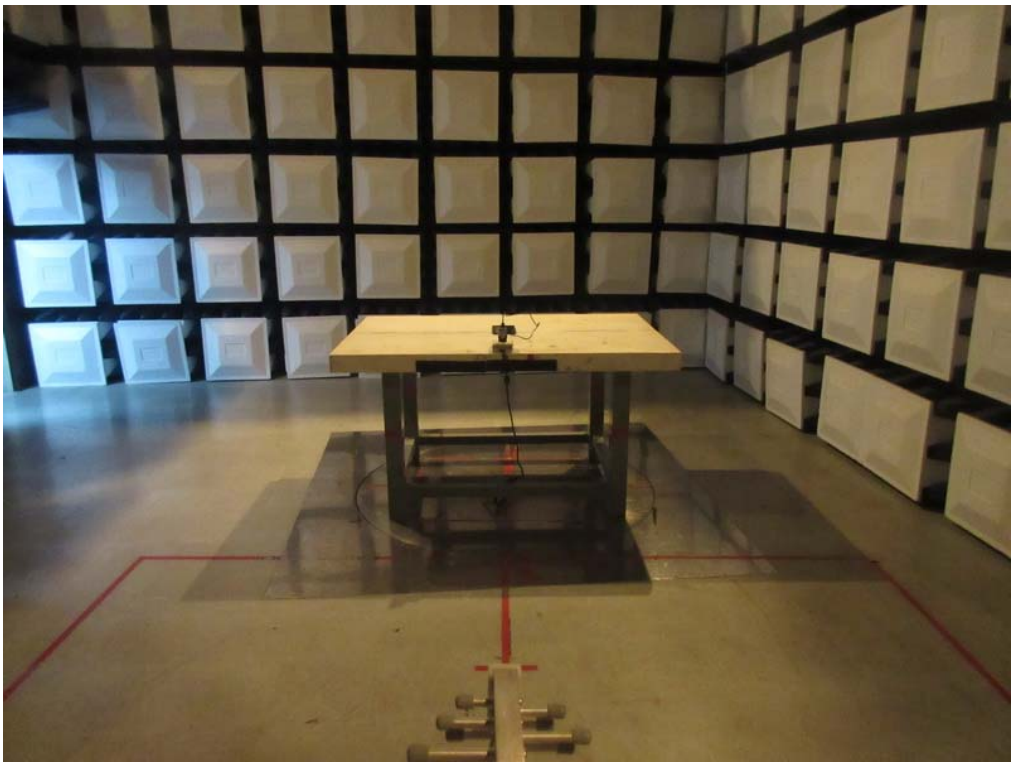
Conducted Measurement Photos

Radiated Measurement Photos

9KHz to 30MHz

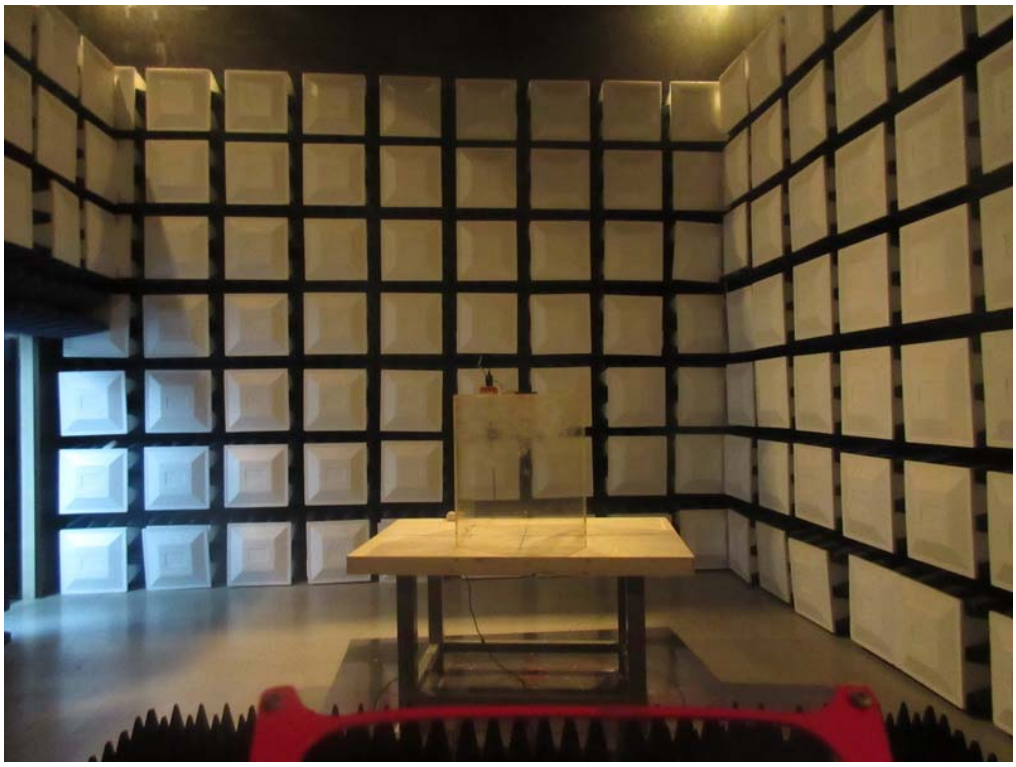
Radiated Measurement Photos

30M to 1000MHz



Radiated Measurement Photos

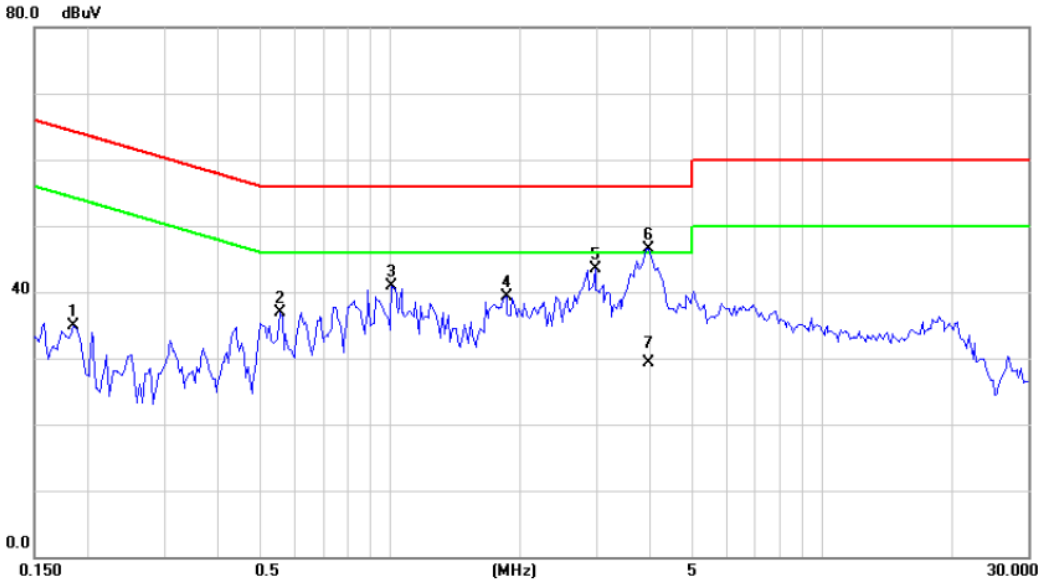
Above 1000MHz



ATTACHMENT A - CONDUCTED EMISSION

Test Mode:	TX Mode_Main Supply_Adapter:Huntkey_PCB V1.0

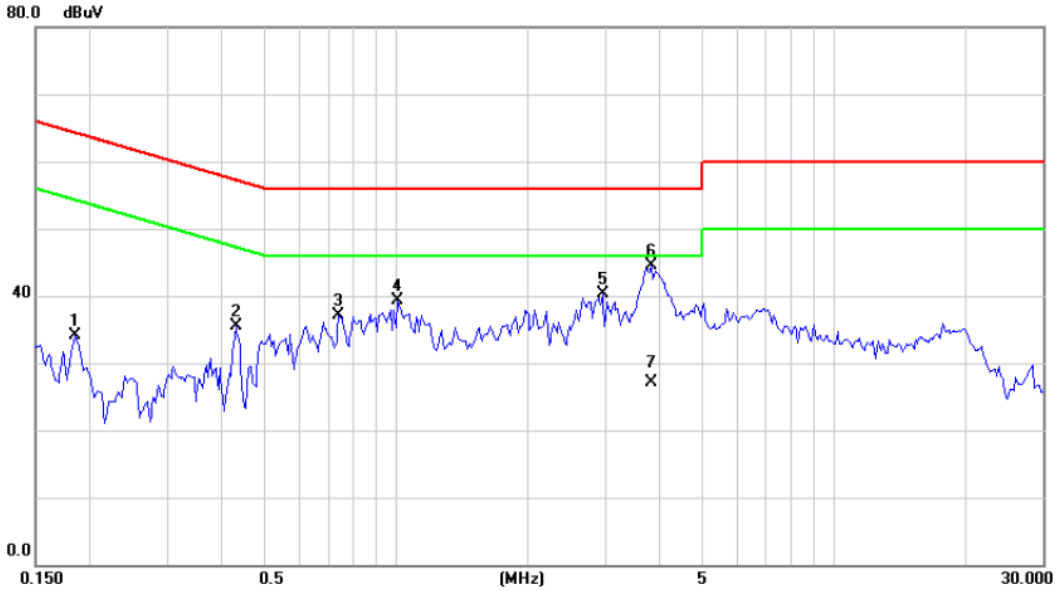
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1852	25.24	9.57	34.81	64.25	-29.44	peak	
2		0.5563	27.25	9.70	36.95	56.00	-19.05	peak	
3		1.0055	31.19	9.80	40.99	56.00	-15.01	peak	
4		1.8570	29.43	9.90	39.33	56.00	-16.67	peak	
5		2.9820	33.52	10.03	43.55	56.00	-12.45	peak	
6	*	3.9648	36.52	9.97	46.49	56.00	-9.51	peak	
7		3.9648	19.40	9.97	29.37	46.00	-16.63	AVG	

Test Mode:	TX Mode_Main Supply_Adapter:Huntkey_PCB V1.0

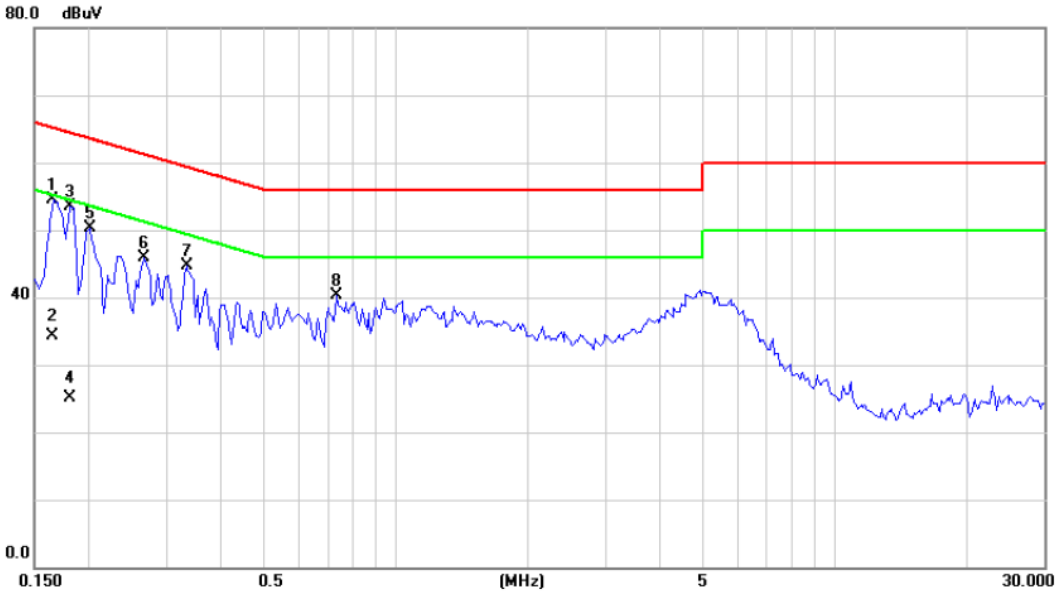
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1852	24.62	9.49	34.11	64.25	-30.14	peak	
2		0.4313	25.88	9.54	35.42	57.23	-21.81	peak	
3		0.7398	27.52	9.54	37.06	56.00	-18.94	peak	
4		1.0094	29.80	9.58	39.38	56.00	-16.62	peak	
5		2.9703	30.45	9.81	40.26	56.00	-15.74	peak	
6	*	3.8360	34.60	9.90	44.50	56.00	-11.50	peak	
7		3.8360	17.20	9.90	27.10	46.00	-18.90	AVG	

Test Mode:	TX Mode_Main Supply_Adapter:Acbel_PCB V1.0

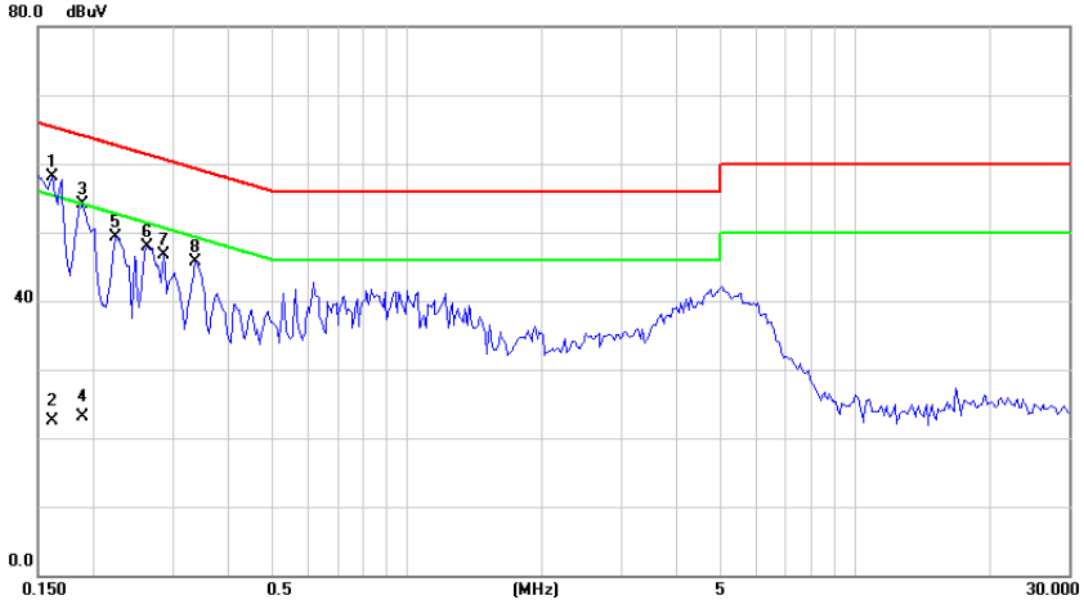
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1655	44.90	9.56	54.46	65.18	-10.72	peak	
2		0.1655	24.70	9.56	34.26	55.18	-20.92	AVG	
3		0.1812	43.94	9.56	53.50	64.43	-10.93	peak	
4		0.1812	15.60	9.56	25.16	54.43	-29.27	AVG	
5		0.2008	40.72	9.57	50.29	63.58	-13.29	peak	
6		0.2672	36.19	9.62	45.81	61.20	-15.39	peak	
7		0.3336	35.06	9.64	44.70	59.36	-14.66	peak	
8		0.7320	30.54	9.74	40.28	56.00	-15.72	peak	

Test Mode:	TX Mode_Main Supply_Adapter: Acbel_PCB V1.0

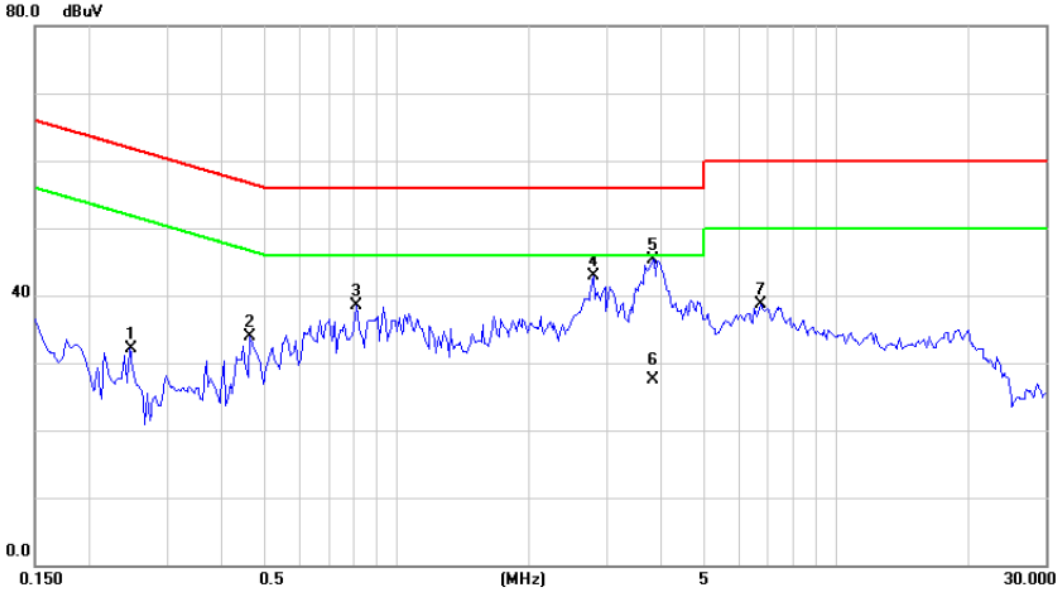
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1617	48.56	9.48	58.04	65.38	-7.34	peak	
2		0.1617	13.10	9.48	22.58	55.38	-32.80	AVG	
3		0.1891	44.62	9.49	54.11	64.08	-9.97	peak	
4		0.1891	13.60	9.49	23.09	54.08	-30.99	AVG	
5		0.2242	39.88	9.50	49.38	62.66	-13.28	peak	
6		0.2633	38.32	9.51	47.83	61.33	-13.50	peak	
7		0.2867	37.12	9.52	46.64	60.62	-13.98	peak	
8		0.3375	36.22	9.53	45.75	59.26	-13.51	peak	

Test Mode:	TX Mode_ Secondary Supply_Adapter:Huntkey_PCB V1.0

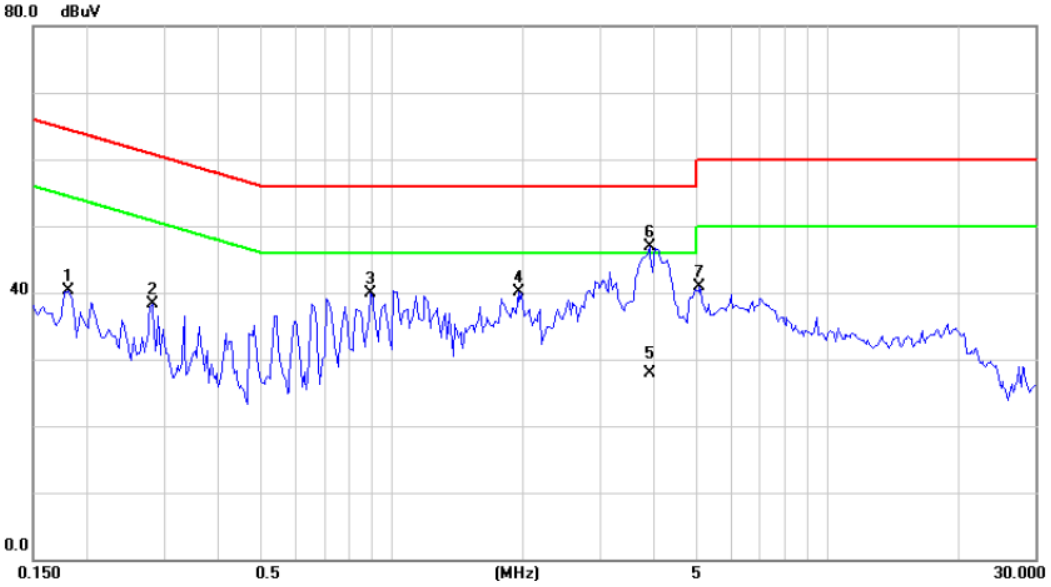
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.2477	22.40	9.61	32.01	61.83	-29.82	peak	
2		0.4625	24.21	9.68	33.89	56.65	-22.76	peak	
3		0.8102	28.80	9.75	38.55	56.00	-17.45	peak	
4		2.7945	32.97	10.02	42.99	56.00	-13.01	peak	
5	*	3.8398	35.28	9.97	45.25	56.00	-10.75	peak	
6		3.8398	17.50	9.97	27.47	46.00	-18.53	AVG	
7		6.7422	28.71	9.92	38.63	60.00	-21.37	peak	

Test Mode:	TX Mode_ Secondary Supply_Adapter:Huntkey_PCB V1.0

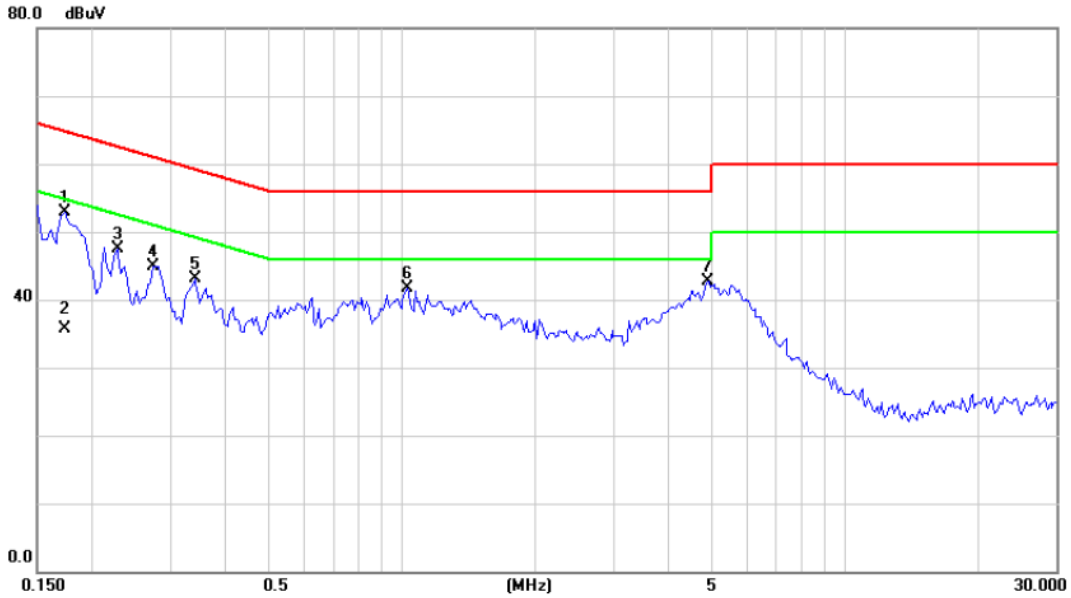
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1812	30.77	9.49	40.26	64.43	-24.17	peak	
2		0.2828	28.74	9.52	38.26	60.73	-22.47	peak	
3		0.8922	30.35	9.58	39.93	56.00	-16.07	peak	
4		1.9508	30.36	9.72	40.08	56.00	-15.92	peak	
5		3.9063	18.00	9.91	27.91	46.00	-18.09	AVG	
6	*	3.9063	37.00	9.91	46.91	56.00	-9.09	peak	
7		5.0898	30.99	9.91	40.90	60.00	-19.10	peak	

Test Mode:	TX Mode_ Secondary Supply_Adapter:Acbel_PCB V1.0

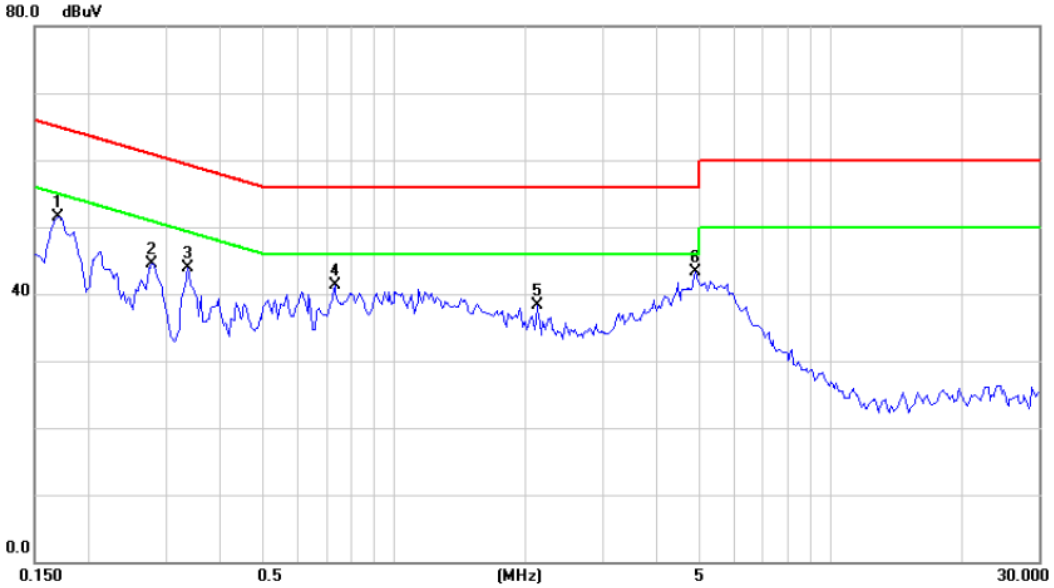
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.1734	43.27	9.56	52.83	64.80	-11.97	peak	
2		0.1734	26.20	9.56	35.76	54.80	-19.04	AVG	
3		0.2281	37.97	9.59	47.56	62.52	-14.96	peak	
4		0.2750	35.35	9.63	44.98	60.97	-15.99	peak	
5		0.3414	33.55	9.64	43.19	59.17	-15.98	peak	
6		1.0290	31.85	9.80	41.65	56.00	-14.35	peak	
7		4.9141	32.80	9.99	42.79	56.00	-13.21	peak	

Test Mode:	TX Mode_ Secondary Supply_Adapter: Acbel_PCB V1.0

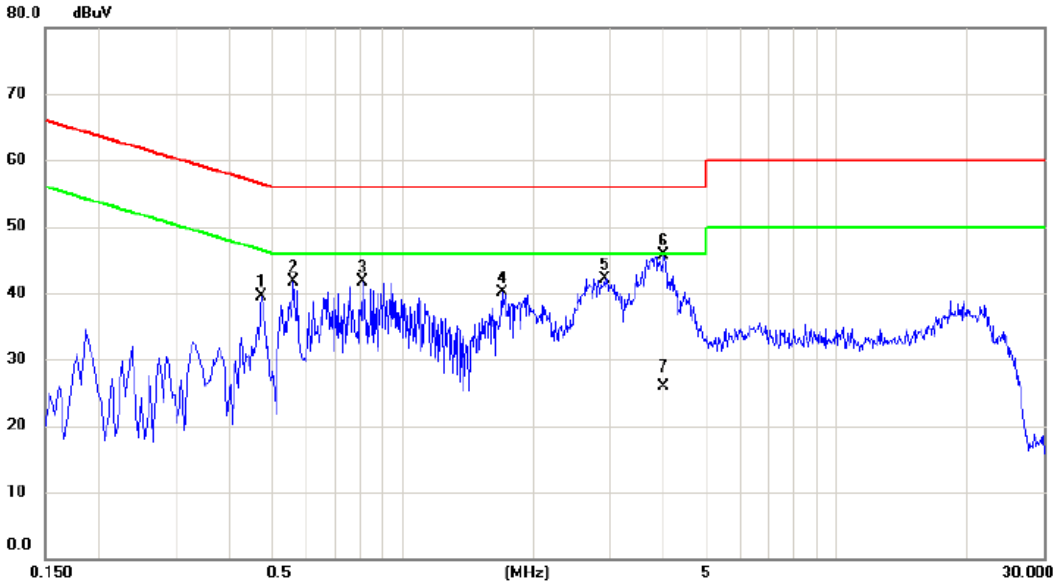
Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1695	42.06	9.48	51.54	64.98	-13.44	peak	
2		0.2790	34.96	9.52	44.48	60.85	-16.37	peak	
3		0.3375	34.35	9.53	43.88	59.26	-15.38	peak	
4		0.7320	31.77	9.54	41.31	56.00	-14.69	peak	
5		2.1266	28.55	9.73	38.28	56.00	-17.72	peak	
6	*	4.8983	33.34	9.91	43.25	56.00	-12.75	peak	

Test Mode:	TX Mode_Main Supply_Adapter:Huntkey_PCB V2.0

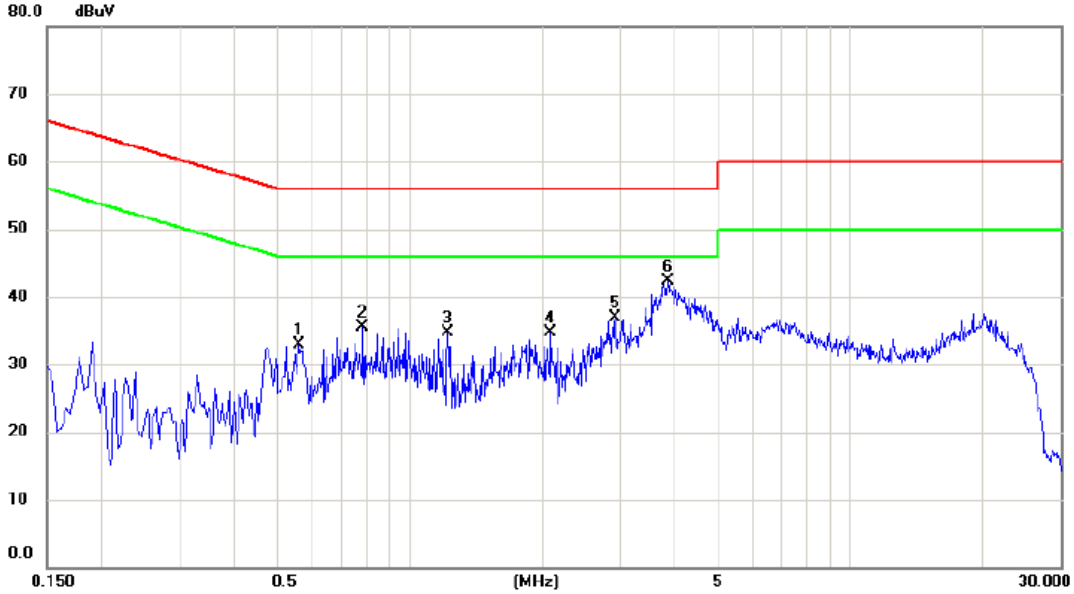
Line



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.4740	29.78	9.68	39.46	56.44	-16.98	peak	
2		0.5620	31.91	9.70	41.61	56.00	-14.39	peak	
3		0.8060	31.87	9.75	41.62	56.00	-14.38	peak	
4		1.6980	30.24	9.87	40.11	56.00	-15.89	peak	
5		2.9180	32.17	10.03	42.20	56.00	-13.80	peak	
6	*	3.9820	35.72	9.97	45.69	56.00	-10.31	peak	
7		3.9820	15.96	9.97	25.93	46.00	-20.07	AVG	

Test Mode:	TX Mode_Main Supply_Adapter:Huntkey_PCB V2.0

Neutral



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.5620	23.25	9.56	32.81	56.00	-23.19	peak	
2		0.7820	25.91	9.55	35.46	56.00	-20.54	peak	
3		1.2220	25.04	9.62	34.66	56.00	-21.34	peak	
4		2.0900	24.90	9.73	34.63	56.00	-21.37	peak	
5		2.9220	27.19	9.80	36.99	56.00	-19.01	peak	
6	*	3.8580	32.34	9.90	42.24	56.00	-13.76	peak	

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

Test Mode:	TX Mode_Main Supply_PCB V1.0

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0096	0°	13.47	24.96	38.43	128.00	-89.56	AVG
0.0096	0°	14.49	24.96	39.45	148.00	-108.54	PEAK
0.0262	0°	6.54	23.91	30.45	119.24	-88.79	AVG
0.0262	0°	8.13	23.91	32.04	139.24	-107.20	PEAK
0.0342	0°	3.17	23.40	26.57	116.92	-90.35	AVG
0.0342	0°	5.51	23.40	28.91	136.92	-108.01	PEAK
0.0457	0°	1.32	22.67	23.99	114.41	-90.41	AVG
0.0457	0°	2.62	22.67	25.29	134.41	-109.11	PEAK
0.6437	0°	19.49	20.26	39.75	71.43	-31.68	QP
1.7171	0°	23.67	19.53	43.20	69.54	-26.34	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0095	90°	13.26	24.30	37.56	128.09	-90.53	AVG
0.0095	90°	14.84	24.30	39.14	148.09	-108.95	PEAK
0.0264	90°	7.47	23.89	31.36	119.17	-87.81	AVG
0.0264	90°	8.81	23.89	32.70	139.17	-106.47	PEAK
0.0328	90°	5.43	23.49	28.92	117.29	-88.37	AVG
0.0328	90°	6.37	23.49	29.86	137.29	-107.43	PEAK
0.0434	90°	1.51	22.82	24.33	114.85	-90.53	AVG
0.0434	90°	2.84	22.82	25.66	134.85	-109.20	PEAK
0.5883	90°	22.41	20.08	42.49	72.21	-29.72	QP
1.7147	90°	24.49	19.53	44.02	69.54	-25.52	QP

Test Mode:	TX Mode_ Secondary Supply_PCB V1.0

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0090	0°	13.52	24.99	38.51	128.48	-89.97	AVG
0.0090	0°	14.33	24.99	39.32	148.48	-109.16	PEAK
0.0273	0°	6.08	23.84	29.92	118.88	-88.96	AVG
0.0273	0°	8.27	23.84	32.11	138.88	-106.77	PEAK
0.0358	0°	3.39	23.30	26.69	116.53	-89.84	AVG
0.0358	0°	5.42	23.30	28.72	136.53	-107.81	PEAK
0.0437	0°	1.75	22.80	24.55	114.79	-90.25	AVG
0.0437	0°	2.62	22.80	25.42	134.79	-109.38	PEAK
0.5426	0°	19.17	19.94	39.11	72.91	-33.81	QP
1.7882	0°	23.86	19.52	43.38	69.54	-26.16	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0118	90°	13.14	24.30	37.44	126.17	-88.73	AVG
0.0118	90°	14.27	24.30	38.57	146.17	-107.60	PEAK
0.0205	90°	7.05	24.27	31.32	121.37	-90.05	AVG
0.0205	90°	8.31	24.27	32.58	141.37	-108.79	PEAK
0.0335	90°	5.52	23.45	28.97	117.10	-88.14	AVG
0.0335	90°	6.67	23.45	30.12	137.10	-106.99	PEAK
0.0426	90°	1.85	22.87	24.72	115.02	-90.30	AVG
0.0426	90°	2.43	22.87	25.30	135.02	-109.72	PEAK
0.5934	90°	22.57	20.10	42.67	72.14	-29.47	QP
1.8235	90°	24.43	19.52	43.95	69.54	-25.59	QP

Test Mode:	TX Mode_Main Supply_PCB V2.0

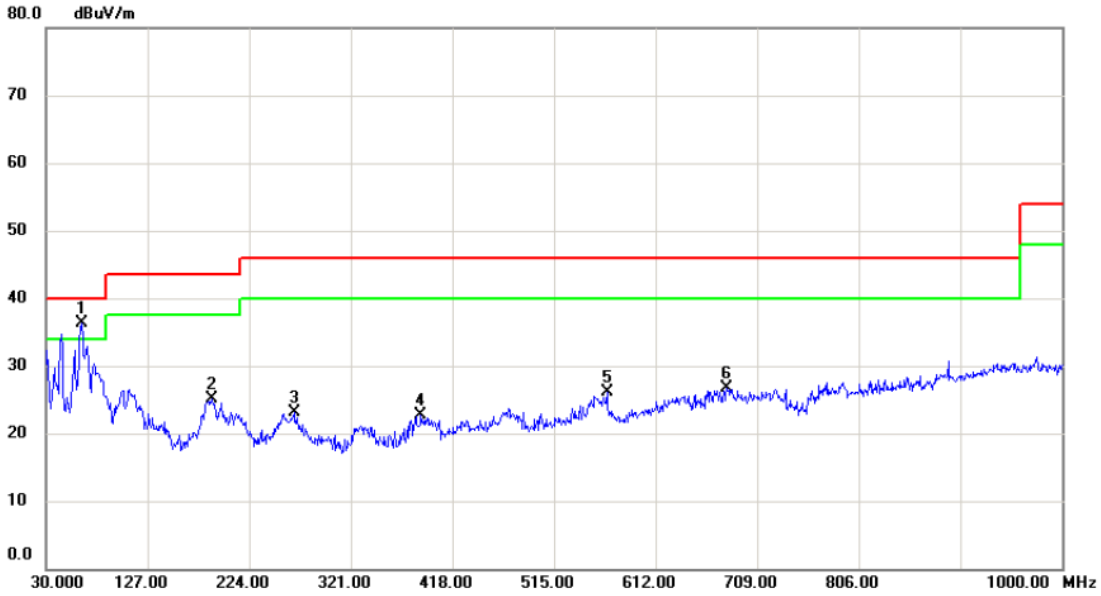
Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0156	0°	6.05	24.58	30.63	123.74	-93.11	AVG
0.0156	0°	8.86	24.58	33.44	143.74	-110.30	PEAK
0.0252	0°	1.96	23.97	25.93	119.58	-93.65	AVG
0.0252	0°	4.48	23.97	28.45	139.58	-111.13	PEAK
0.0403	0°	1.32	23.01	24.33	115.50	-91.16	AVG
0.0403	0°	2.81	23.01	25.82	135.50	-109.67	PEAK
0.0684	0°	5.76	22.03	27.79	110.90	-83.11	AVG
0.0684	0°	8.23	22.03	30.26	130.90	-100.64	PEAK
2.2694	0°	24.68	19.34	44.02	69.54	-25.52	QP
12.0602	0°	15.24	17.92	33.16	69.54	-36.38	QP

Frequency (MHz)	Ant 0°/90°	Read level dBuV/m	Factor (dB)	Measured(FS) (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Note
0.0154	90°	7.36	24.30	31.66	123.85	-92.19	AVG
0.0154	90°	10.55	24.30	34.85	143.85	-109.00	PEAK
0.0253	90°	4.19	23.96	28.15	119.54	-91.39	AVG
0.0253	90°	7.56	23.96	31.52	139.54	-108.02	PEAK
0.0307	90°	2.14	23.62	25.76	117.86	-92.10	AVG
0.0307	90°	4.78	23.62	28.40	137.86	-109.46	PEAK
0.0681	90°	6.43	22.04	28.47	110.94	-82.47	AVG
0.0681	90°	10.13	22.04	32.17	130.94	-98.77	PEAK
2.1500	90°	28.73	19.41	48.14	69.54	-21.40	QP
12.0602	90°	19.86	17.92	37.78	69.54	-31.76	QP

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

Test Mode:	TX 2402MHz -CH00_Main Supply_Adapter:Huntkey_PCB V1.0

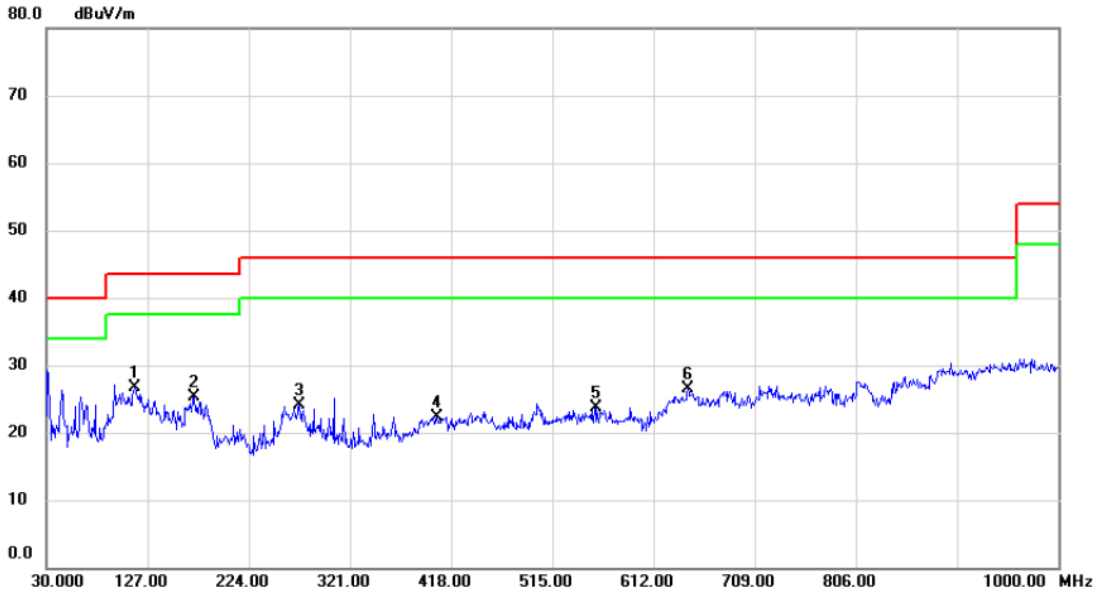
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	50.35	-13.96	36.39	40.00	-3.61	peak	
2		188.1100	37.72	-12.71	25.01	43.50	-18.49	peak	
3		266.6800	35.26	-12.07	23.19	46.00	-22.81	peak	
4		387.9300	30.61	-7.90	22.71	46.00	-23.29	peak	
5		565.4400	30.83	-4.63	26.20	46.00	-19.80	peak	
6		679.9000	28.20	-1.54	26.66	46.00	-19.34	peak	

Test Mode:	TX 2402MHz -CH00_Main Supply_Adapter:Huntkey_PCB V1.0

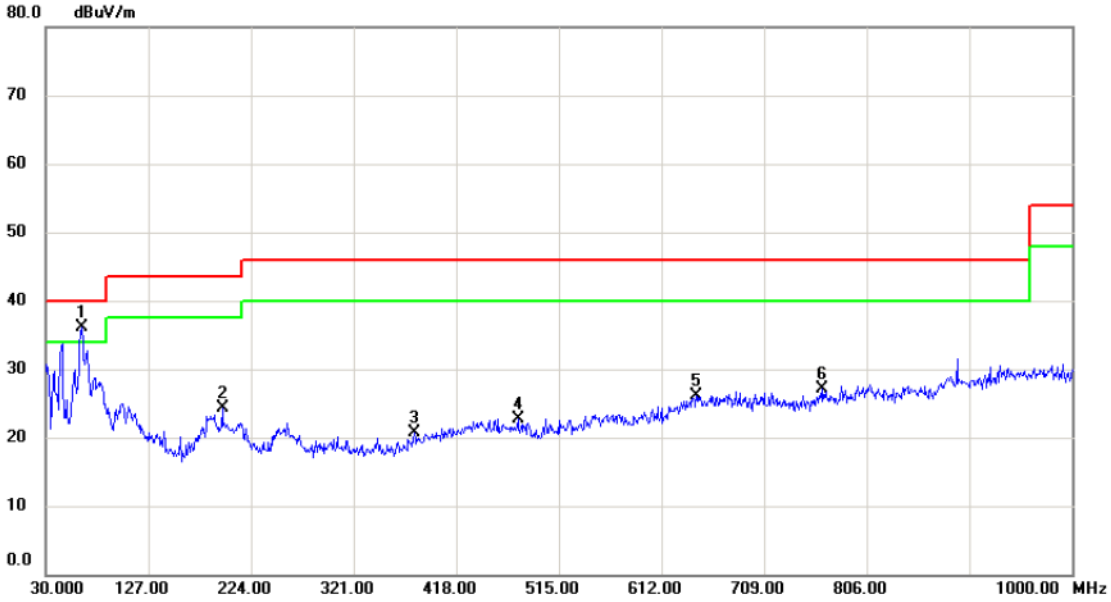
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	114.3900	39.96	-13.25	26.71	43.50	-16.79	peak	
2		171.6200	36.49	-11.17	25.32	43.50	-18.18	peak	
3		272.5000	35.61	-11.60	24.01	46.00	-21.99	peak	
4		404.4200	29.50	-7.14	22.36	46.00	-23.64	peak	
5		557.6800	28.40	-4.62	23.78	46.00	-22.22	peak	
6		644.9800	28.44	-1.94	26.50	46.00	-19.50	peak	

Test Mode:	TX 2440MHz -CH19_Main Supply_Adapter:Huntkey_PCB V1.0

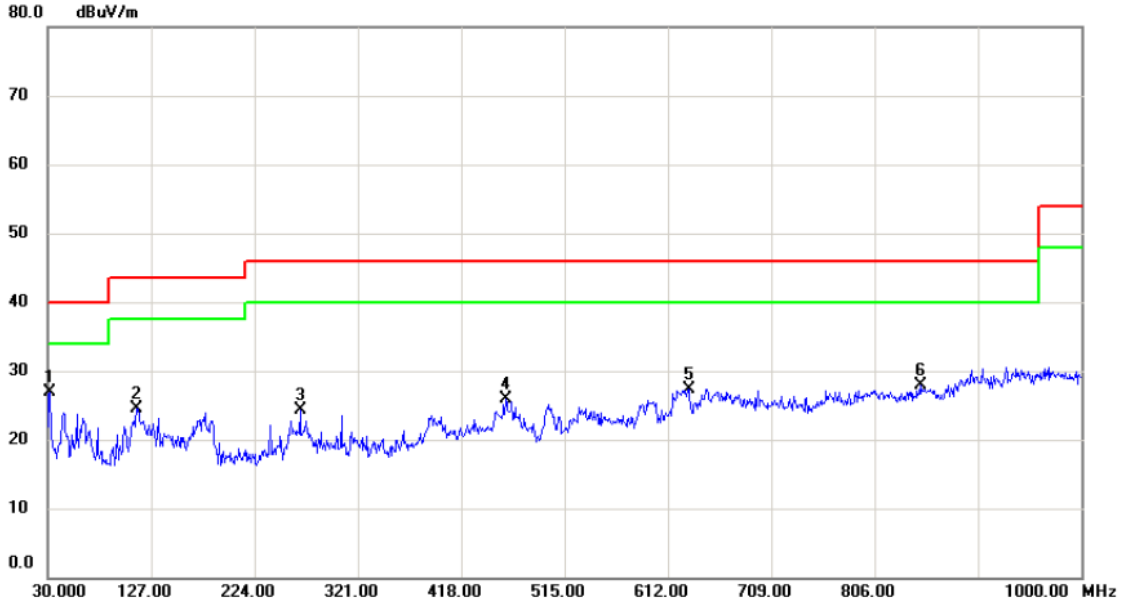
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	50.09	-13.96	36.13	40.00	-3.87	peak	
2		196.8400	37.63	-13.39	24.24	43.50	-19.26	peak	
3		378.2300	29.12	-8.42	20.70	46.00	-25.30	peak	
4		476.2000	29.36	-6.67	22.69	46.00	-23.31	peak	
5		644.9800	28.02	-1.94	26.08	46.00	-19.92	peak	
6		764.2900	28.02	-0.97	27.05	46.00	-18.95	peak	

Test Mode:	TX 2440MHz -CH19_Main Supply_Adapter:Huntkey_PCB V1.0

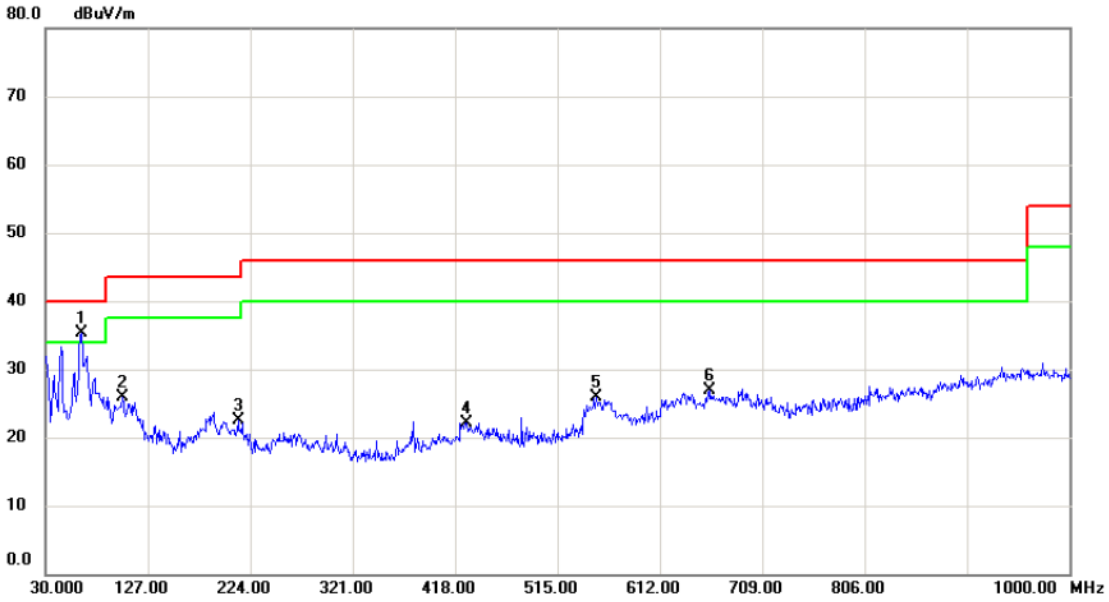
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	31.9400	40.80	-13.89	26.91	40.00	-13.09	peak	
2		113.4200	37.80	-13.38	24.42	43.50	-19.08	peak	
3		266.6800	36.46	-12.07	24.39	46.00	-21.61	peak	
4		459.7100	32.15	-6.19	25.96	46.00	-20.04	peak	
5		631.4000	30.15	-2.76	27.39	46.00	-18.61	peak	
6		848.6800	27.69	0.12	27.81	46.00	-18.19	peak	

Test Mode:	TX 2480MHz -CH39_Main Supply_Adapter:Huntkey_PCB V1.0

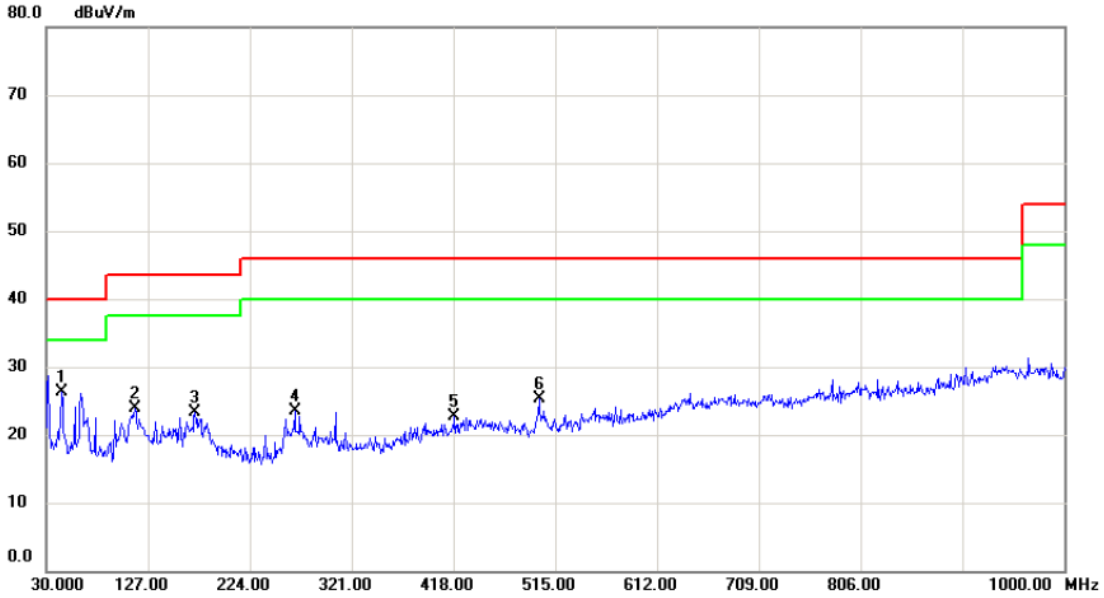
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.21	-13.96	35.25	40.00	-4.75	peak	
2		102.7500	40.28	-14.44	25.84	43.50	-17.66	peak	
3		212.3600	36.07	-13.65	22.42	43.50	-21.08	peak	
4		428.6700	28.57	-6.48	22.09	46.00	-23.91	peak	
5		551.8600	30.45	-4.62	25.83	46.00	-20.17	peak	
6		659.5300	28.42	-1.60	26.82	46.00	-19.18	peak	

Test Mode:	TX 2480MHz -CH39_Main Supply_Adapter:Huntkey_PCB V1.0

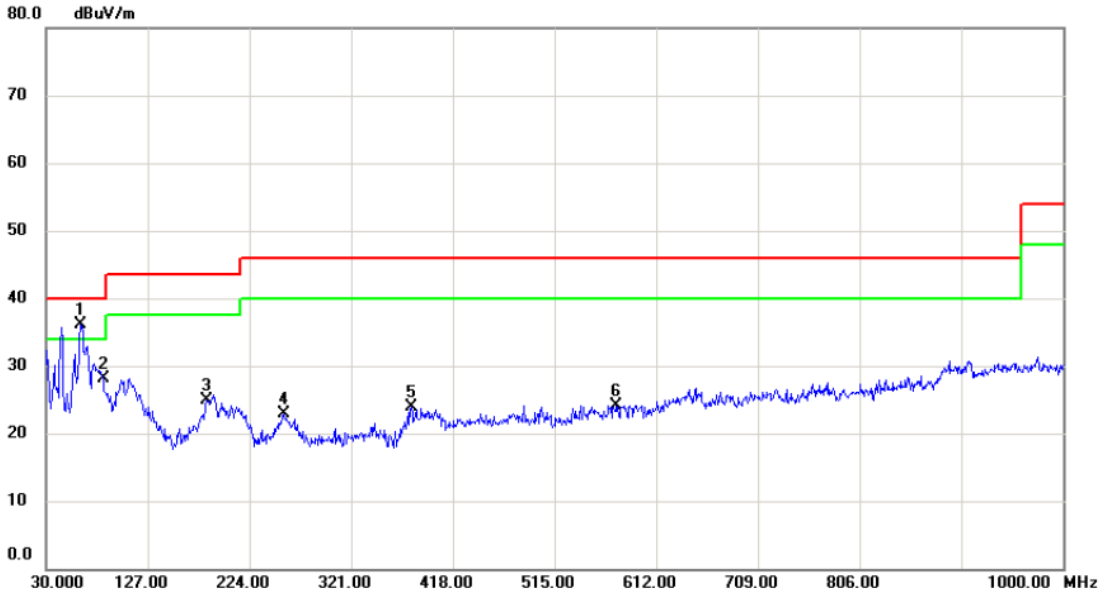
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	38.16	-11.94	26.22	40.00	-13.78	peak	
2		114.3900	37.21	-13.25	23.96	43.50	-19.54	peak	
3		171.6200	34.50	-11.17	23.33	43.50	-20.17	peak	
4		266.6800	35.62	-12.07	23.55	46.00	-22.45	peak	
5		418.9700	29.48	-6.74	22.74	46.00	-23.26	peak	
6		499.4800	32.76	-7.37	25.39	46.00	-20.61	peak	

Test Mode:	TX 2402MHz -CH00_Main Supply_Adapter:Acbel_PCB V1.0

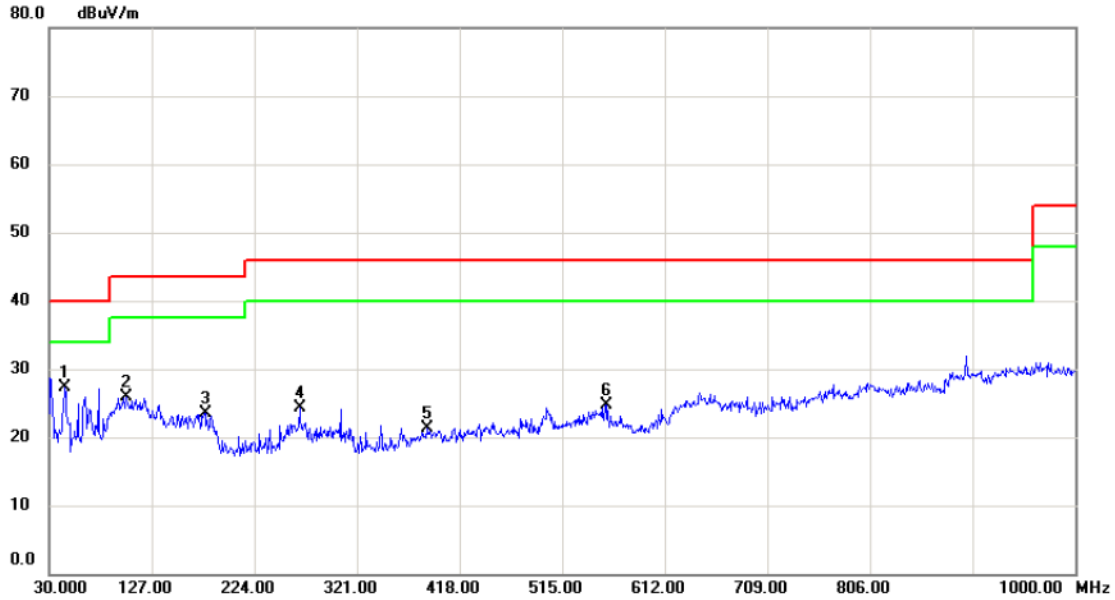
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	50.07	-13.89	36.18	40.00	-3.82	peak	
2		84.3200	44.02	-15.84	28.18	40.00	-11.82	peak	
3		183.2600	36.87	-11.96	24.91	43.50	-18.59	peak	
4		256.9800	35.52	-12.64	22.88	46.00	-23.12	peak	
5		378.2300	32.42	-8.42	24.00	46.00	-22.00	peak	
6		574.1700	28.78	-4.63	24.15	46.00	-21.85	peak	

Test Mode:	TX 2402MHz -CH00_Main Supply_Adapter:Acbel_PCB V1.0

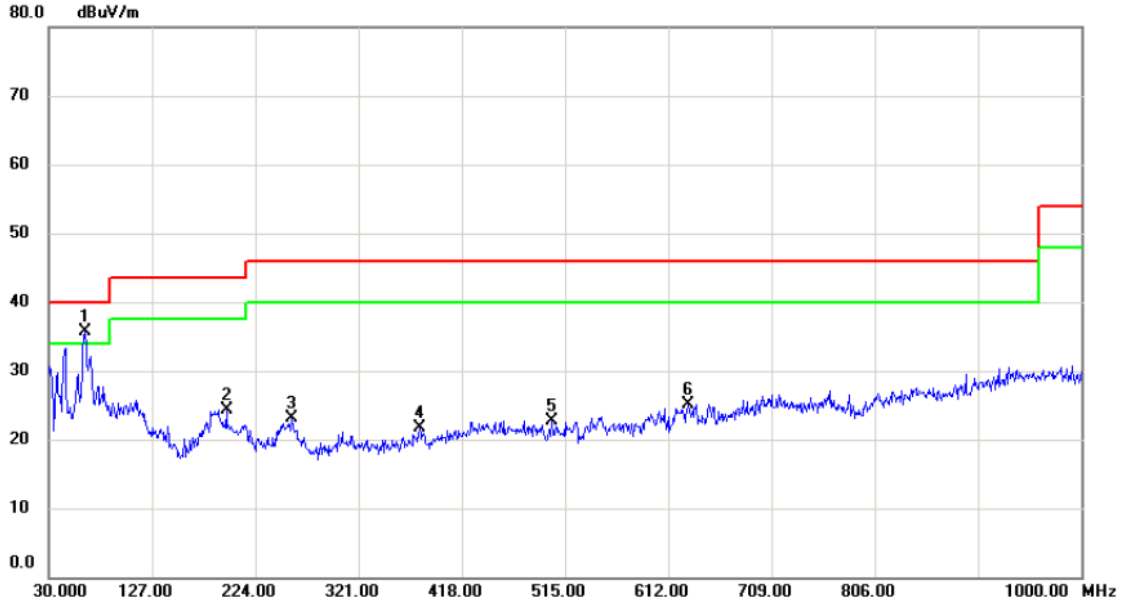
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	39.23	-11.94	27.29	40.00	-12.71	peak	
2		102.7500	40.42	-14.44	25.98	43.50	-17.52	peak	
3		177.4400	34.96	-11.38	23.58	43.50	-19.92	peak	
4		266.6800	36.39	-12.07	24.32	46.00	-21.68	peak	
5		386.9600	29.24	-7.96	21.28	46.00	-24.72	peak	
6		557.6800	29.40	-4.62	24.78	46.00	-21.22	peak	

Test Mode:	TX 2440MHz -CH19_Main Supply_Adapter:Acbel_PCB V1.0

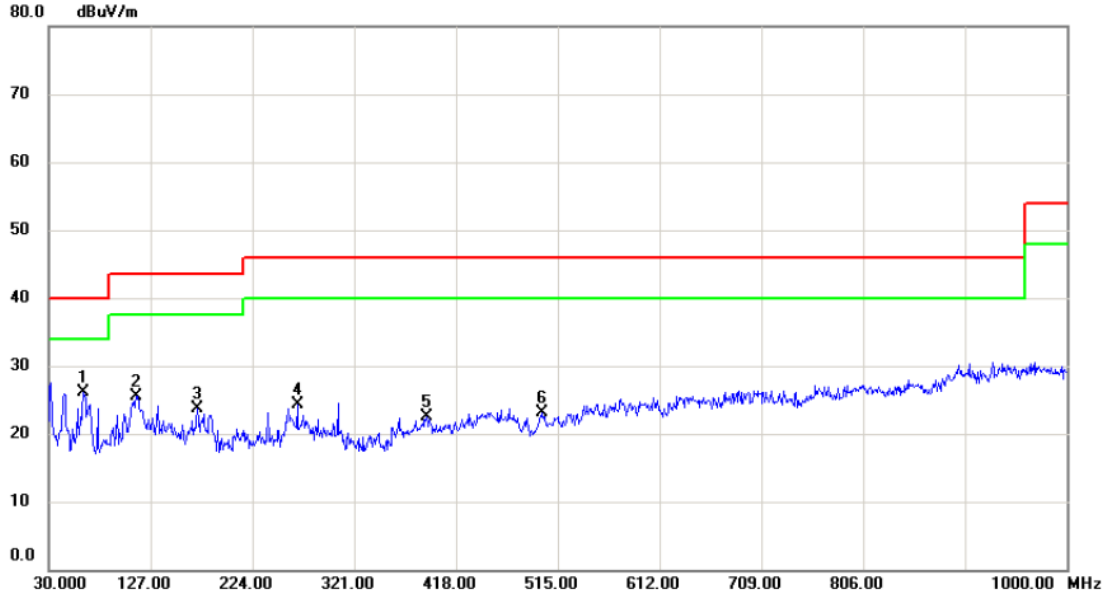
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.59	-13.96	35.63	40.00	-4.37	peak	
2		196.8400	37.63	-13.39	24.24	43.50	-19.26	peak	
3		257.9500	35.73	-12.64	23.09	46.00	-22.91	peak	
4		378.2300	30.12	-8.42	21.70	46.00	-24.30	peak	
5		502.3900	29.92	-7.25	22.67	46.00	-23.33	peak	
6		630.4300	28.00	-2.82	25.18	46.00	-20.82	peak	

Test Mode:	TX 2440MHz -CH19_Main Supply_Adapter:Acbel_PCB V1.0

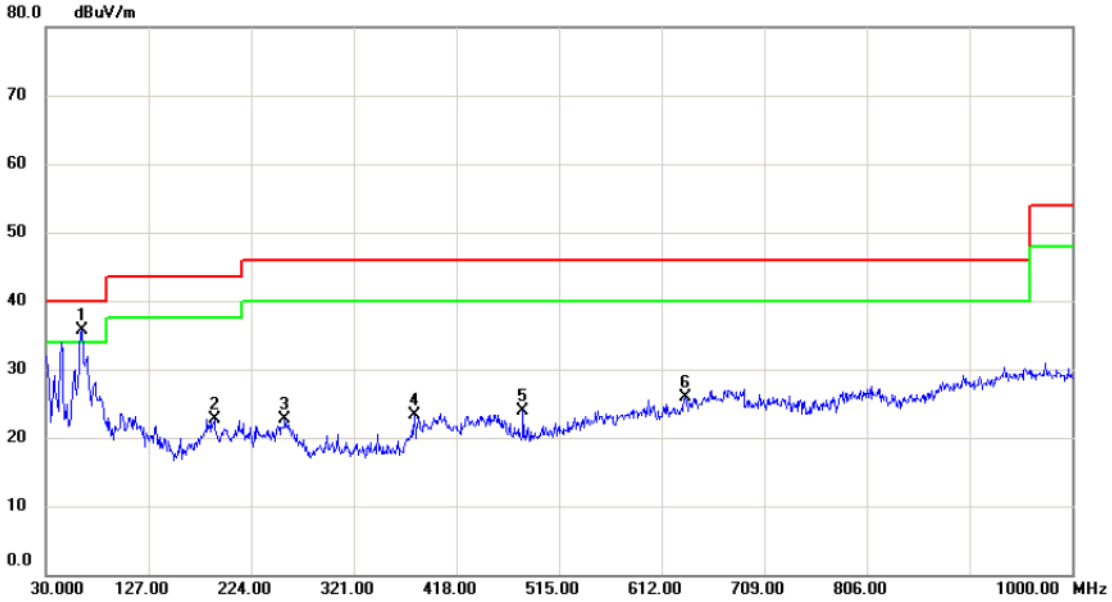
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	39.98	-13.89	26.09	40.00	-13.91	peak	
2		113.4200	38.80	-13.38	25.42	43.50	-18.08	peak	
3		171.6200	34.94	-11.17	23.77	43.50	-19.73	peak	
4		266.6800	36.46	-12.07	24.39	46.00	-21.61	peak	
5		389.8700	30.33	-7.80	22.53	46.00	-23.47	peak	
6		500.4500	30.57	-7.37	23.20	46.00	-22.80	peak	

Test Mode:	TX 2480MHz -CH39_Main Supply_Adapter:Acbel_PCB V1.0

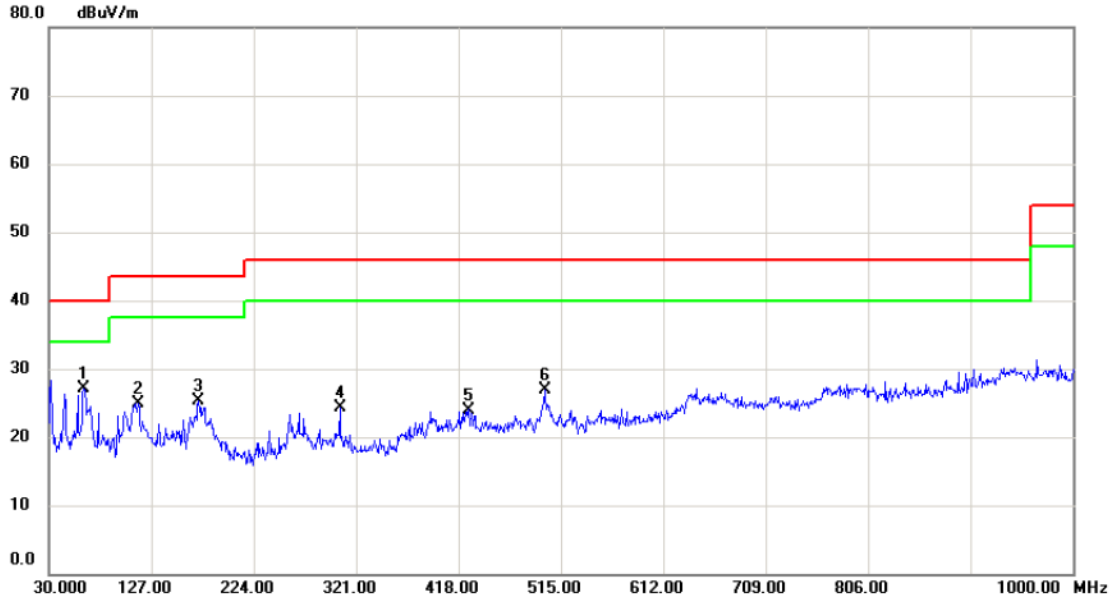
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.71	-13.96	35.75	40.00	-4.25	peak	
2		189.0800	35.59	-12.85	22.74	43.50	-20.76	peak	
3		256.0100	35.37	-12.65	22.72	46.00	-23.28	peak	
4		378.2300	31.81	-8.42	23.39	46.00	-22.61	peak	
5		481.0500	30.71	-6.82	23.89	46.00	-22.11	peak	
6		634.3100	28.50	-2.58	25.92	46.00	-20.08	peak	

Test Mode:	TX 2480MHz -CH39_Main Supply_Adapter:Acbel_PCB V1.0

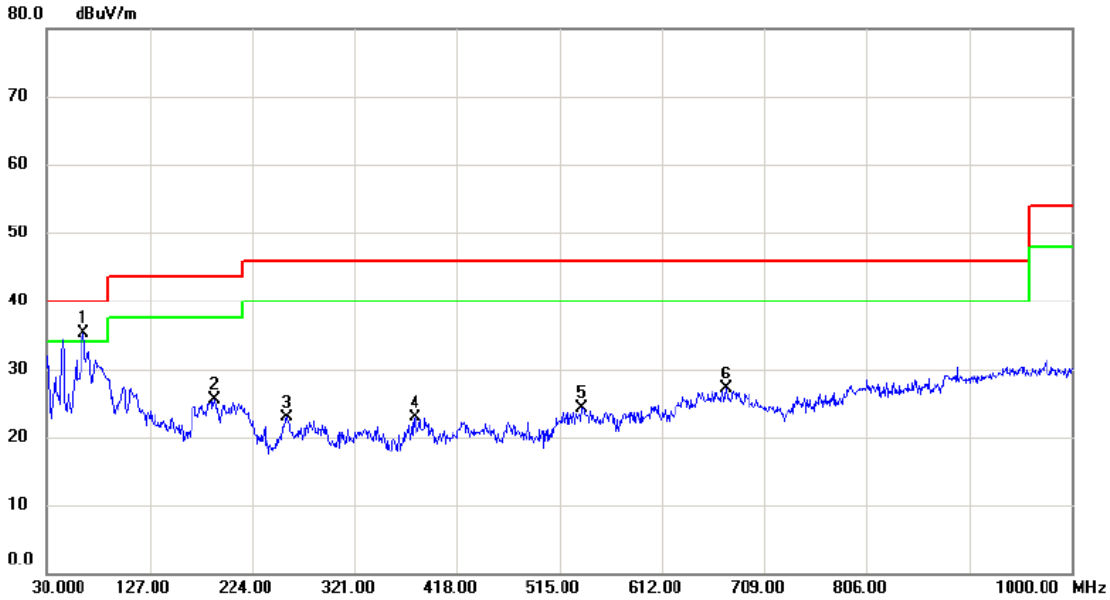
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	41.00	-13.89	27.11	40.00	-12.89	peak	
2		114.3900	38.21	-13.25	24.96	43.50	-18.54	peak	
3		171.6200	36.50	-11.17	25.33	43.50	-18.17	peak	
4		305.4800	33.95	-9.63	24.32	46.00	-21.68	peak	
5		427.7000	30.50	-6.50	24.00	46.00	-22.00	peak	
6		499.4800	34.26	-7.37	26.89	46.00	-19.11	peak	

Test Mode:	TX 2402MHz -CH00_Secondary Supply_Adapter:Huntkey_PCB V1.0

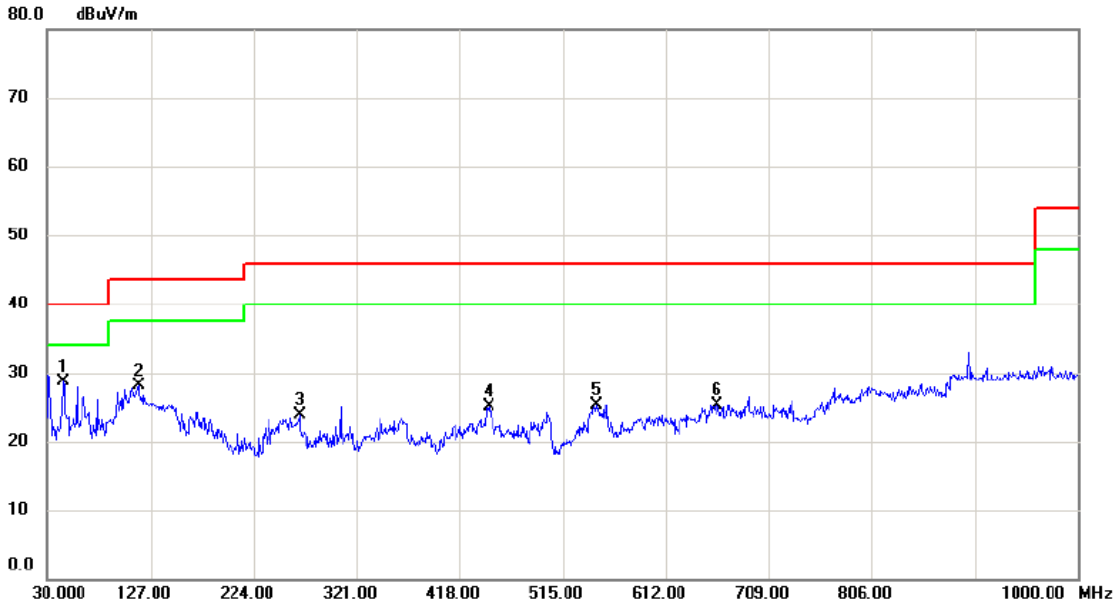
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.35	-13.96	35.39	40.00	-4.61	peak	
2		188.1100	38.22	-12.71	25.51	43.50	-17.99	peak	
3		256.9800	35.52	-12.64	22.88	46.00	-23.12	peak	
4		378.2300	31.42	-8.42	23.00	46.00	-23.00	peak	
5		536.3400	29.72	-5.38	24.34	46.00	-21.66	peak	
6		673.1100	28.58	-1.56	27.02	46.00	-18.98	peak	

Test Mode:	TX 2402MHz -CH00_Secondary Supply_Adapter:Huntkey_PCB V1.0

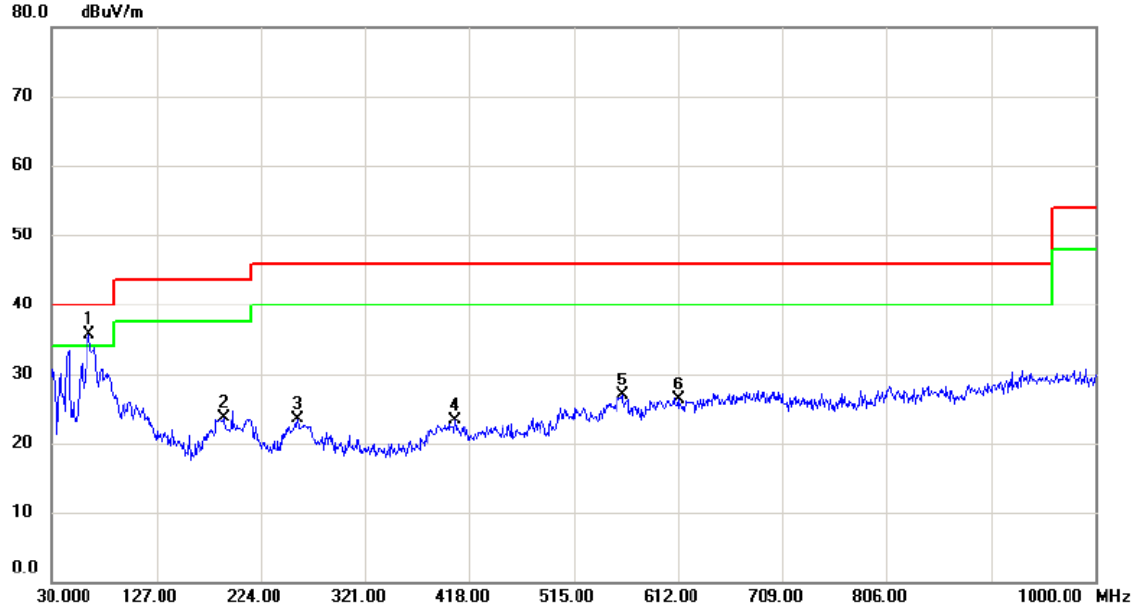
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	40.73	-11.94	28.79	40.00	-11.21	peak	
2		115.3600	41.27	-13.14	28.13	43.50	-15.37	peak	
3		266.6800	35.89	-12.07	23.82	46.00	-22.18	peak	
4		446.1300	31.17	-6.01	25.16	46.00	-20.84	peak	
5		546.0400	30.16	-4.84	25.32	46.00	-20.68	peak	
6		660.5000	27.00	-1.61	25.39	46.00	-20.61	peak	

Test Mode:	TX 2440MHz -CH19_Secondary Supply_Adapter:Huntkey_PCB V1.0

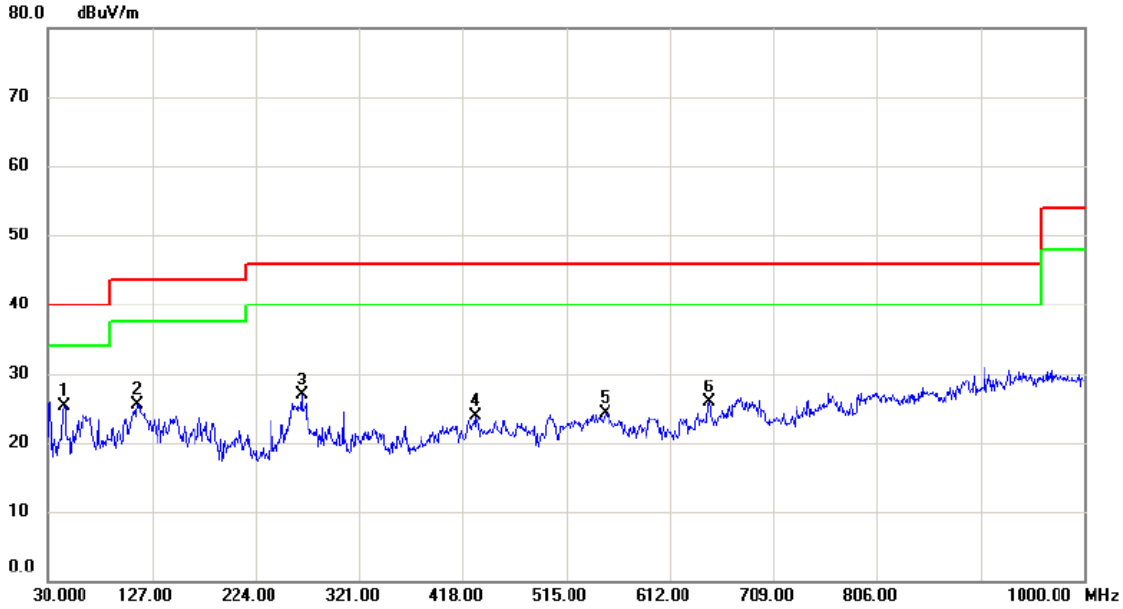
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.59	-13.96	35.63	40.00	-4.37	peak	
2		189.0800	36.56	-12.85	23.71	43.50	-19.79	peak	
3		257.9500	36.23	-12.64	23.59	46.00	-22.41	peak	
4		404.4200	30.40	-7.14	23.26	46.00	-22.74	peak	
5		560.5900	31.49	-4.62	26.87	46.00	-19.13	peak	
6		612.0000	30.26	-3.91	26.35	46.00	-19.65	peak	

Test Mode:	TX 2440MHz -CH19_Secondary Supply_Adapter:Huntkey_PCB V1.0

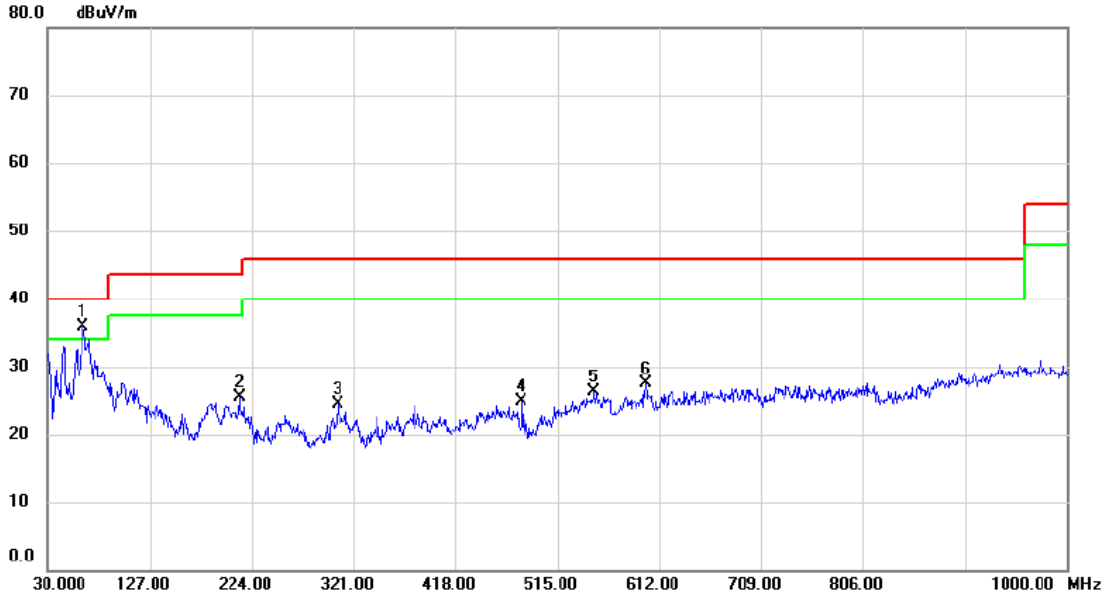
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	37.31	-11.94	25.37	40.00	-14.63	peak	
2		113.4200	38.80	-13.38	25.42	43.50	-18.08	peak	
3		266.6800	38.96	-12.07	26.89	46.00	-19.11	peak	
4		430.6100	30.33	-6.43	23.90	46.00	-22.10	peak	
5		551.8600	28.87	-4.62	24.25	46.00	-21.75	peak	
6		648.8600	27.55	-1.72	25.83	46.00	-20.17	peak	

Test Mode:	TX 2480MHz -CH39_Secondary Supply_Adapter:Huntkey_PCB V1.0

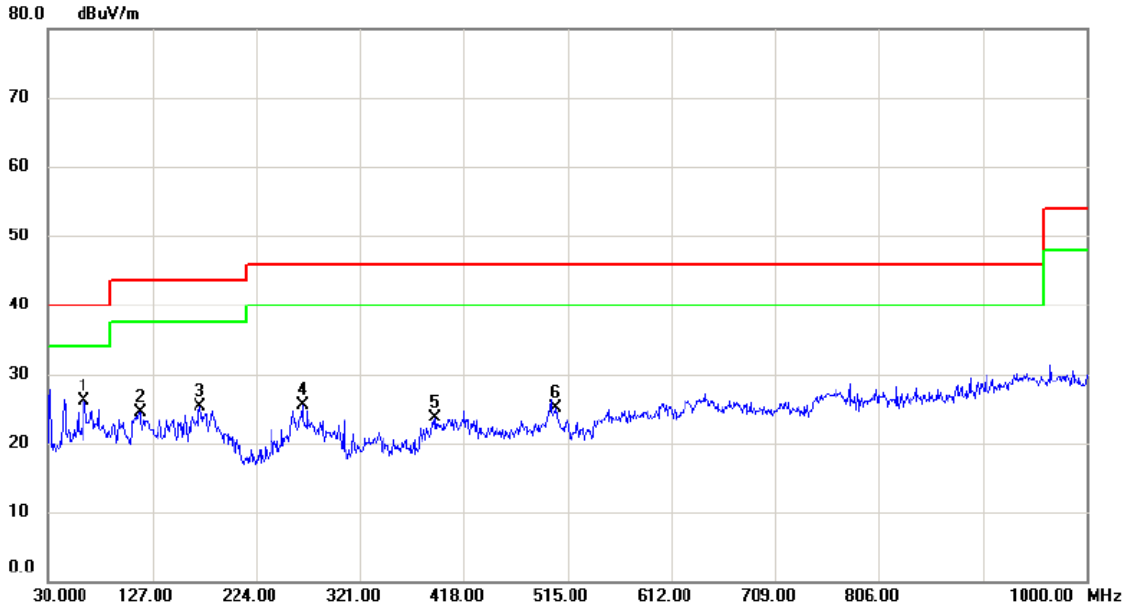
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	49.76	-13.89	35.87	40.00	-4.13	peak	
2		212.3600	39.07	-13.65	25.42	43.50	-18.08	peak	
3		305.4800	34.19	-9.63	24.56	46.00	-21.44	peak	
4		481.0500	31.71	-6.82	24.89	46.00	-21.11	peak	
5		549.9200	30.85	-4.62	26.23	46.00	-19.77	peak	
6		599.3900	32.10	-4.64	27.46	46.00	-18.54	peak	

Test Mode:	TX 2480MHz -CH39_Secondary Supply_Adapter:Huntkey_PCB V1.0

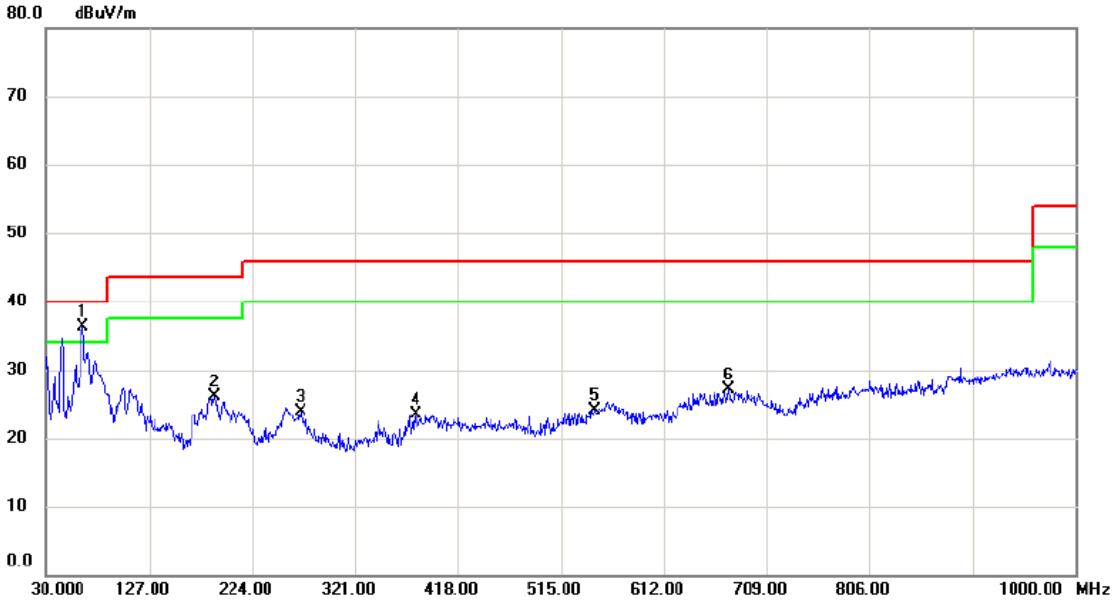
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	40.00	-13.89	26.11	40.00	-13.89	peak	
2		115.3600	37.61	-13.14	24.47	43.50	-19.03	peak	
3		171.6200	36.50	-11.17	25.33	43.50	-18.17	peak	
4		266.6800	37.62	-12.07	25.55	46.00	-20.45	peak	
5		391.8100	31.33	-7.70	23.63	46.00	-22.37	peak	
6		504.3300	32.23	-7.14	25.09	46.00	-20.91	peak	

Test Mode:	TX 2402MHz -CH00_Secondary Supply_Adapter:Acbel_PCB V1.0

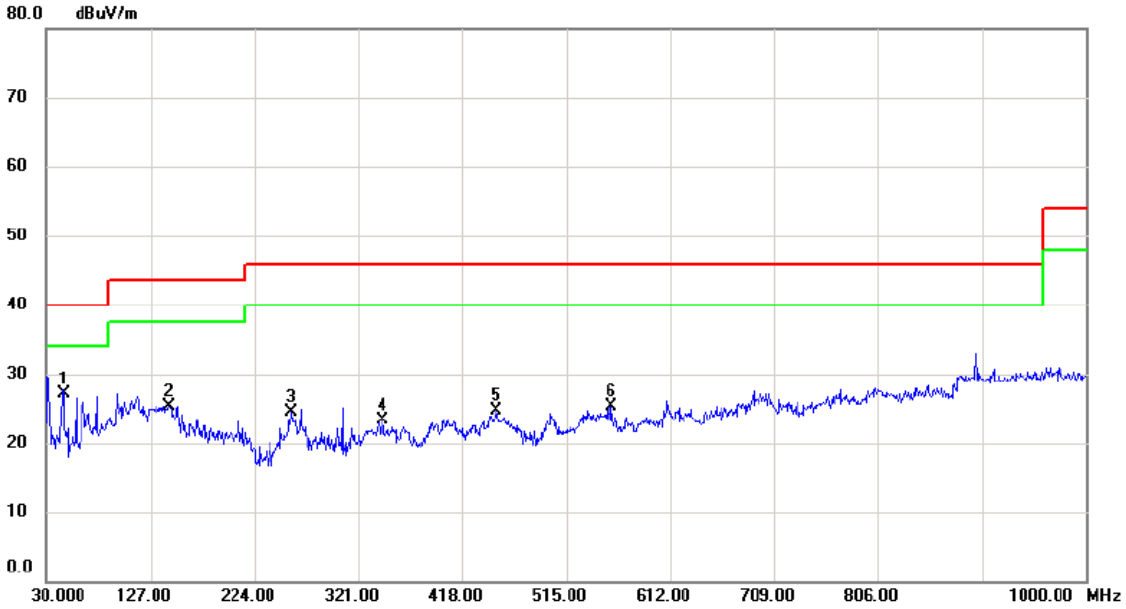
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	50.35	-13.96	36.39	40.00	-3.61	peak	
2		188.1100	38.72	-12.71	26.01	43.50	-17.49	peak	
3		269.5900	35.67	-11.82	23.85	46.00	-22.15	peak	
4		378.2300	31.92	-8.42	23.50	46.00	-22.50	peak	
5		547.0100	28.92	-4.79	24.13	46.00	-21.87	peak	
6		673.1100	28.58	-1.56	27.02	46.00	-18.98	peak	

Test Mode:	TX 2402MHz -CH00_Secondary Supply_Adapter:Acbel_PCB V1.0

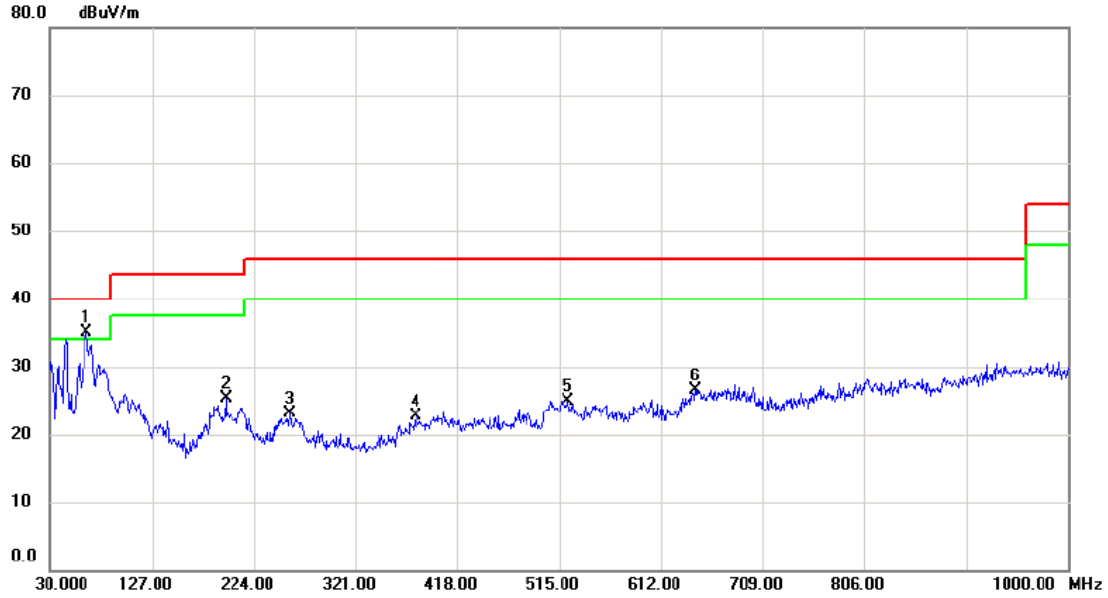
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	45.5200	38.85	-11.84	27.01	40.00	-12.99	peak	
2		144.4600	36.94	-11.57	25.37	43.50	-18.13	peak	
3		257.9500	37.07	-12.64	24.43	46.00	-21.57	peak	
4		343.3100	33.14	-9.88	23.26	46.00	-22.74	peak	
5		450.0100	30.52	-5.89	24.63	46.00	-21.37	peak	
6		557.6800	29.90	-4.62	25.28	46.00	-20.72	peak	

Test Mode:	TX 2440MHz -CH19_Secondary Supply_Adapter:Acbel_PCB V1.0

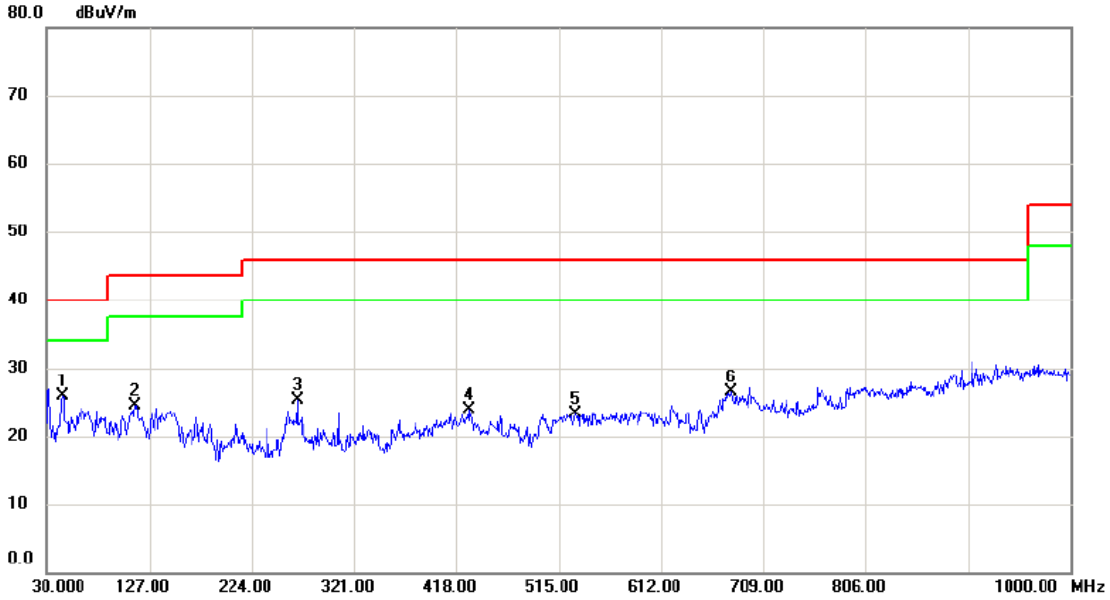
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.09	-13.96	35.13	40.00	-4.87	peak	
2		196.8400	38.63	-13.39	25.24	43.50	-18.26	peak	
3		257.9500	35.73	-12.64	23.09	46.00	-22.91	peak	
4		378.2300	31.12	-8.42	22.70	46.00	-23.30	peak	
5		523.7300	31.00	-6.08	24.92	46.00	-21.08	peak	
6		644.9800	28.52	-1.94	26.58	46.00	-19.42	peak	

Test Mode:	TX 2440MHz -CH19_Secondary Supply_Adapter:Acbel_PCB V1.0

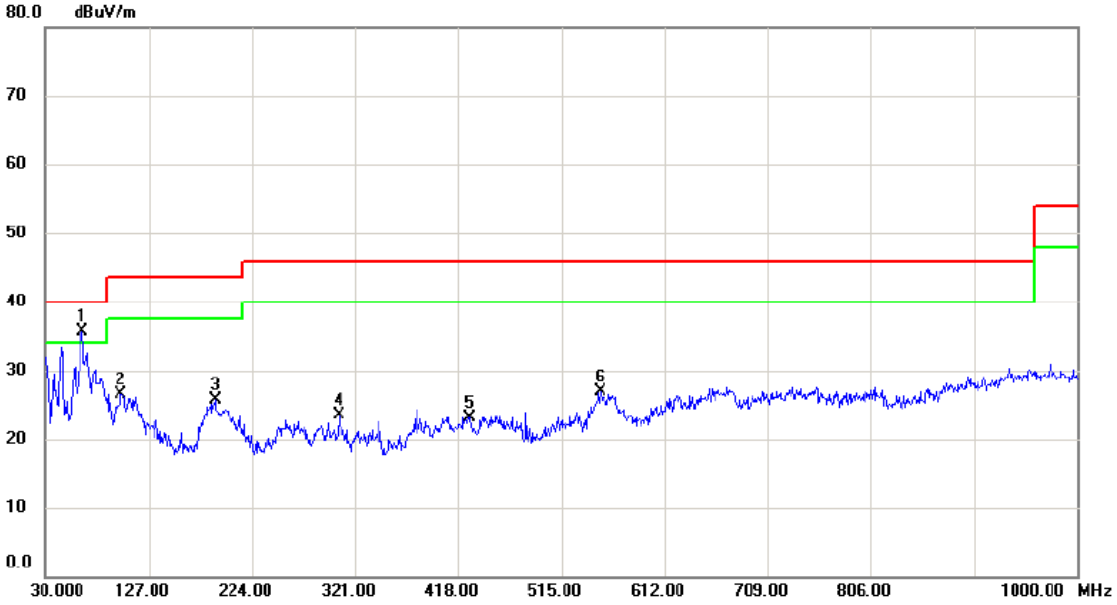
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	44.5500	37.81	-11.94	25.87	40.00	-14.13	peak	
2		113.4200	37.80	-13.38	24.42	43.50	-19.08	peak	
3		266.6800	37.46	-12.07	25.39	46.00	-20.61	peak	
4		430.6100	30.33	-6.43	23.90	46.00	-22.10	peak	
5		530.5200	29.08	-5.69	23.39	46.00	-22.61	peak	
6		678.9300	28.10	-1.54	26.56	46.00	-19.44	peak	

Test Mode:	TX 2480MHz -CH39_Secondary Supply_Adapter:Acbel_PCB V1.0

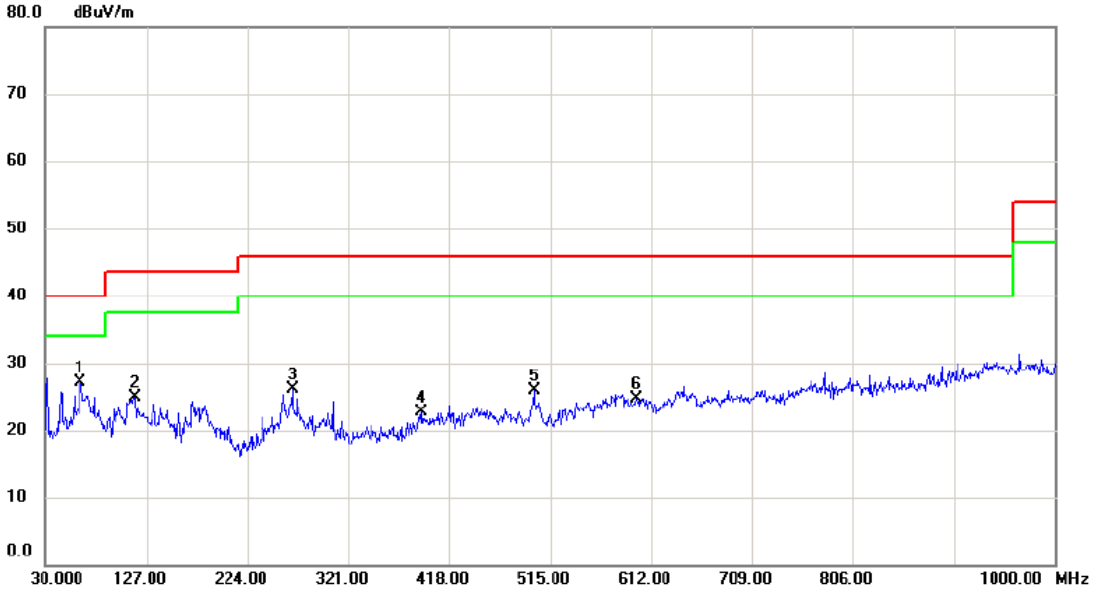
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	63.9500	49.71	-13.96	35.75	40.00	-4.25	peak	
2		100.8100	41.20	-14.61	26.59	43.50	-16.91	peak	
3		189.0800	38.59	-12.85	25.74	43.50	-17.76	peak	
4		305.4800	33.19	-9.63	23.56	46.00	-22.44	peak	
5		428.6700	29.57	-6.48	23.09	46.00	-22.91	peak	
6		551.8600	31.45	-4.62	26.83	46.00	-19.17	peak	

Test Mode:	TX 2480MHz -CH39_Secondary Supply_Adapter:Acbel_PCB V1.0

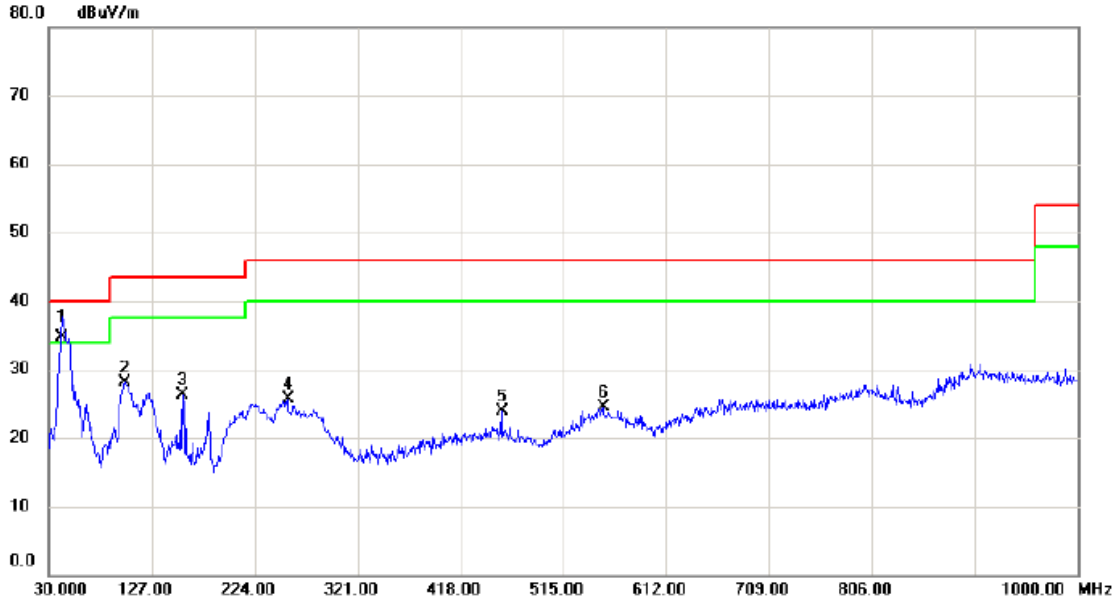
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	62.9800	41.00	-13.89	27.11	40.00	-12.89	peak	
2		115.3600	38.11	-13.14	24.97	43.50	-18.53	peak	
3		266.6800	38.12	-12.07	26.05	46.00	-19.95	peak	
4		391.8100	30.33	-7.70	22.63	46.00	-23.37	peak	
5		499.4800	33.26	-7.37	25.89	46.00	-20.11	peak	
6		598.4200	29.38	-4.63	24.75	46.00	-21.25	peak	

Test Mode:	TX 2402MHz -CH00_Main Supply_Adapter:Huntkey_PCB V2.0

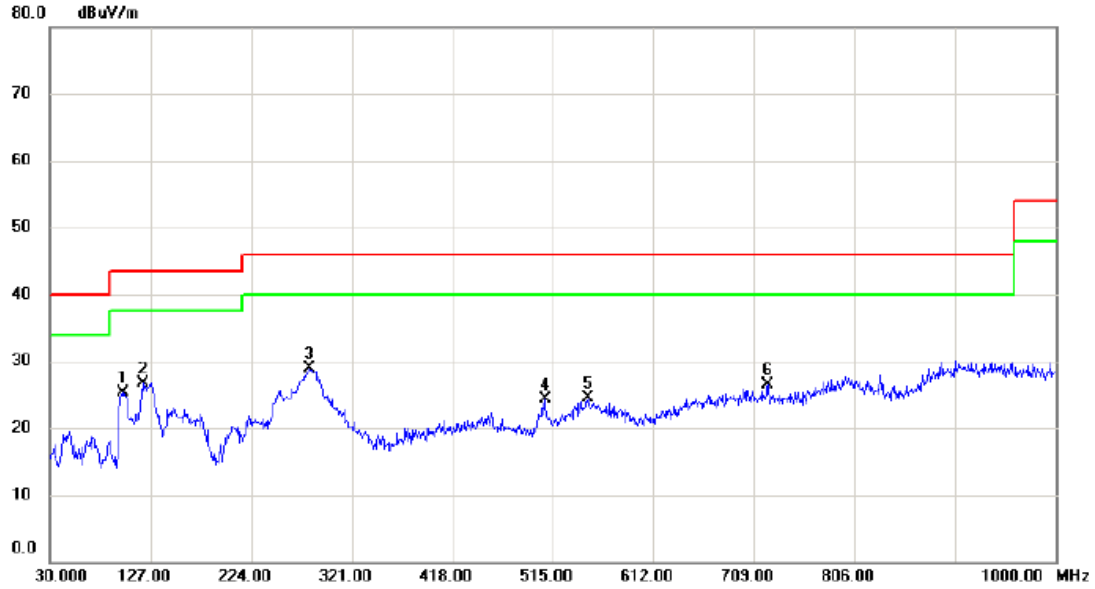
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	42.6100	48.31	-13.62	34.69	40.00	-5.31	QP	
2		101.7800	44.05	-15.88	28.17	43.50	-15.33	peak	
3		156.1000	39.03	-12.66	26.37	43.50	-17.13	peak	
4		255.0400	39.98	-14.33	25.65	46.00	-20.35	peak	
5		456.8000	32.24	-8.31	23.93	46.00	-22.07	peak	
6		552.8300	29.83	-5.29	24.54	46.00	-21.46	peak	

Test Mode:	TX 2402MHz -CH00_Main Supply_Adapter:Huntkey_PCB V2.0

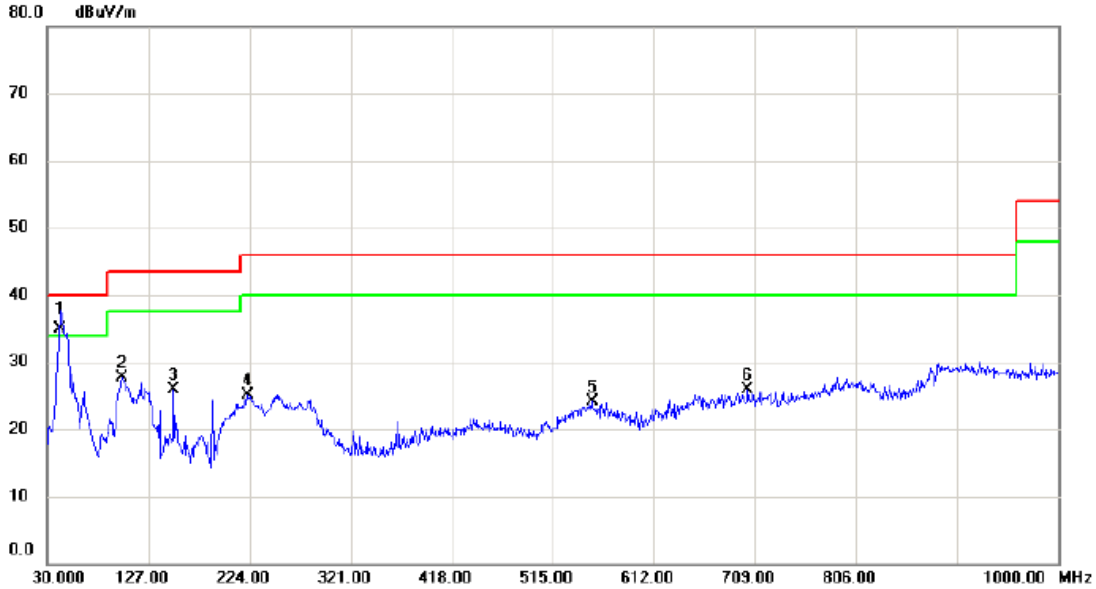
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		99.8400	41.22	-16.01	25.21	43.50	-18.29	peak	
2	*	119.2400	40.90	-14.12	26.78	43.50	-16.72	peak	
3		280.2600	41.03	-12.21	28.82	46.00	-17.18	peak	
4		507.2400	33.52	-9.28	24.24	46.00	-21.76	peak	
5		548.9500	29.65	-5.24	24.41	46.00	-21.59	peak	
6		722.5800	30.84	-4.38	26.46	46.00	-19.54	peak	

Test Mode:	TX 2440MHz -CH19_Main Supply_Adapter:Huntkey_PCB V2.0

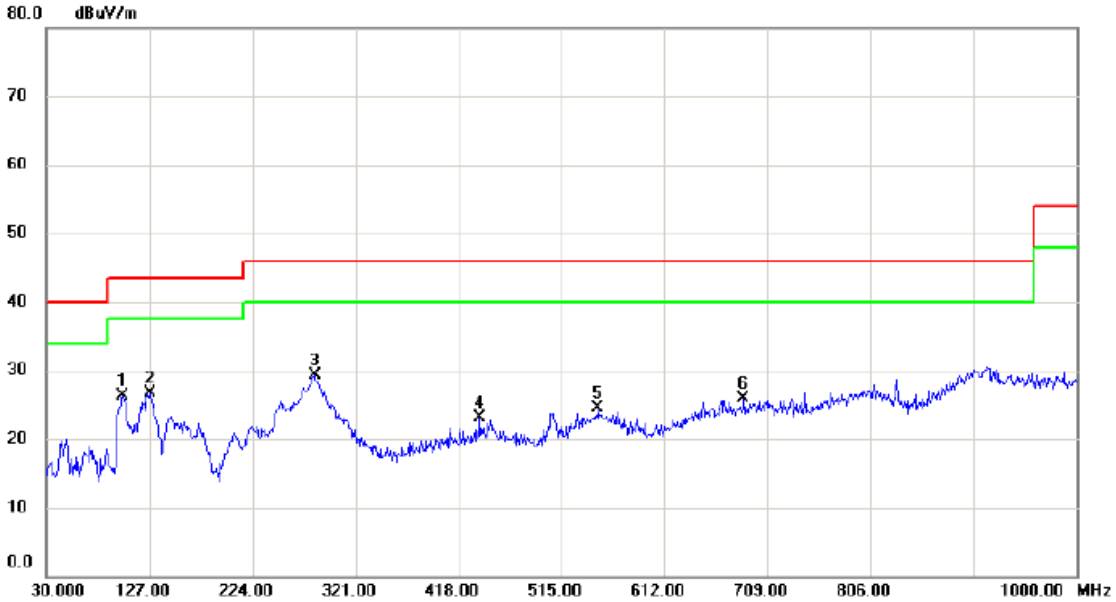
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	42.6100	48.56	-13.62	34.94	40.00	-5.06	QP	
2		101.7800	43.49	-15.88	27.61	43.50	-15.89	peak	
3		151.2500	38.88	-12.93	25.95	43.50	-17.55	peak	
4		222.0600	39.35	-14.31	25.04	46.00	-20.96	peak	
5		552.8300	29.48	-5.29	24.19	46.00	-21.81	peak	
6		702.2100	30.09	-4.22	25.87	46.00	-20.13	peak	

Test Mode:	TX 2440MHz -CH19_Main Supply_Adapter:Huntkey_PCB V2.0

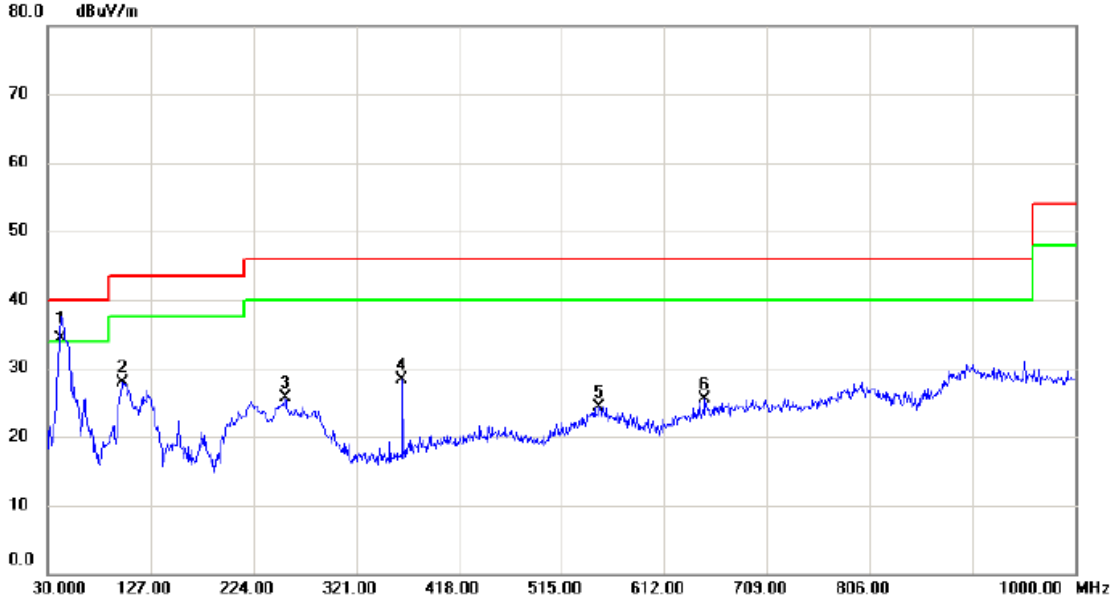
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		101.7800	42.16	-15.88	26.28	43.50	-17.22	peak	
2		127.0000	40.10	-13.36	26.74	43.50	-16.76	peak	
3	*	282.2000	41.29	-11.96	29.33	46.00	-16.67	peak	
4		438.3700	31.45	-8.34	23.11	46.00	-22.89	peak	
5		549.9200	29.57	-5.15	24.42	46.00	-21.58	peak	
6		686.6900	30.37	-4.43	25.94	46.00	-20.06	peak	

Test Mode:	TX 2480MHz -CH39_Main Supply_Adapter:Huntkey_PCB V2.0

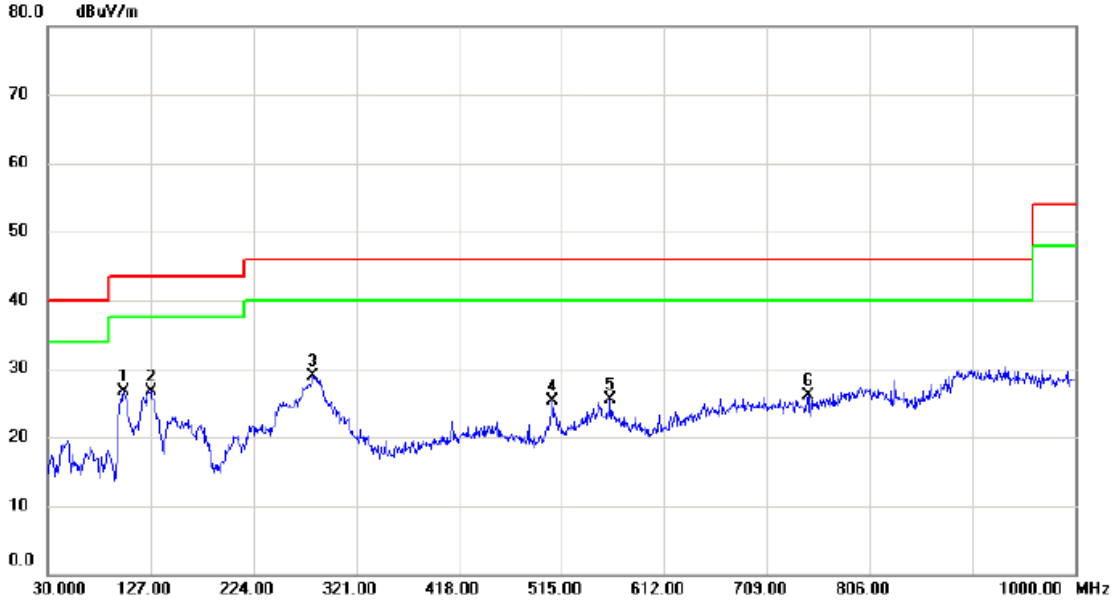
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	42.6100	48.02	-13.62	34.40	40.00	-5.60	QP	
2		100.8100	43.86	-15.94	27.92	43.50	-15.58	peak	
3		254.0700	39.94	-14.33	25.61	46.00	-20.39	peak	
4		364.6500	38.99	-10.74	28.25	46.00	-17.75	peak	
5		550.8900	29.59	-5.19	24.40	46.00	-21.60	peak	
6		650.8000	30.59	-5.10	25.49	46.00	-20.51	peak	

Test Mode:	TX 2480MHz -CH39_Main Supply_Adapter:Huntkey_PCB V2.0

Horizontal

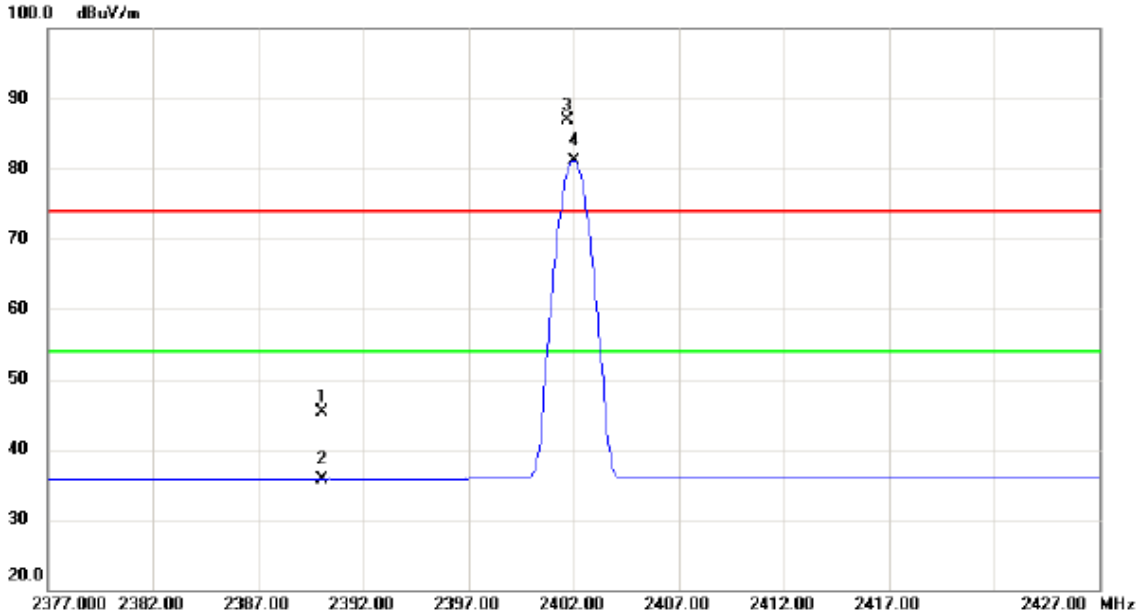


No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		101.7800	42.57	-15.88	26.69	43.50	-16.81	peak	
2	*	127.0000	40.07	-13.36	26.71	43.50	-16.79	peak	
3		280.2600	41.10	-12.21	28.89	46.00	-17.11	peak	
4		506.2700	34.72	-9.38	25.34	46.00	-20.66	peak	
5		561.5600	31.36	-5.77	25.59	46.00	-20.41	peak	
6		747.8000	30.69	-4.58	26.11	46.00	-19.89	peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Orthogonal Axis :	X
Test Mode :	TX 2402MHz _CH00_1Mbps

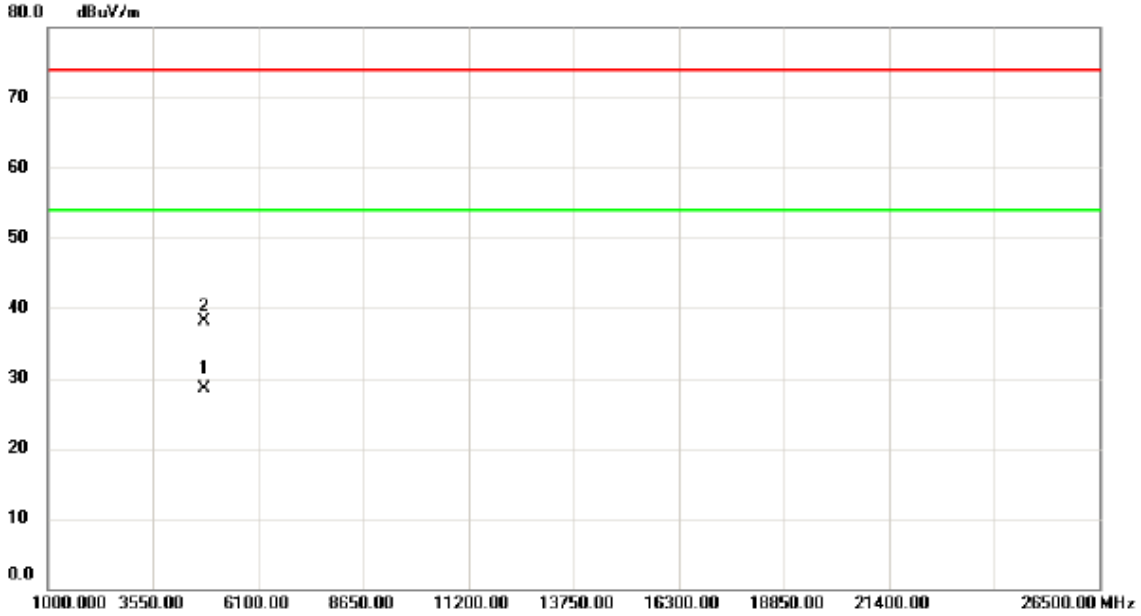
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	11.05	34.23	45.28	74.00	-28.72	peak	
2		2390.000	1.55	34.23	35.78	54.00	-18.22	AVG	
3	X	2401.700	52.64	34.30	86.94	74.00	12.94	peak	NO LIMIT
4	*	2402.000	46.86	34.30	81.16	54.00	27.16	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX 2402MHz _CH00_1Mbps

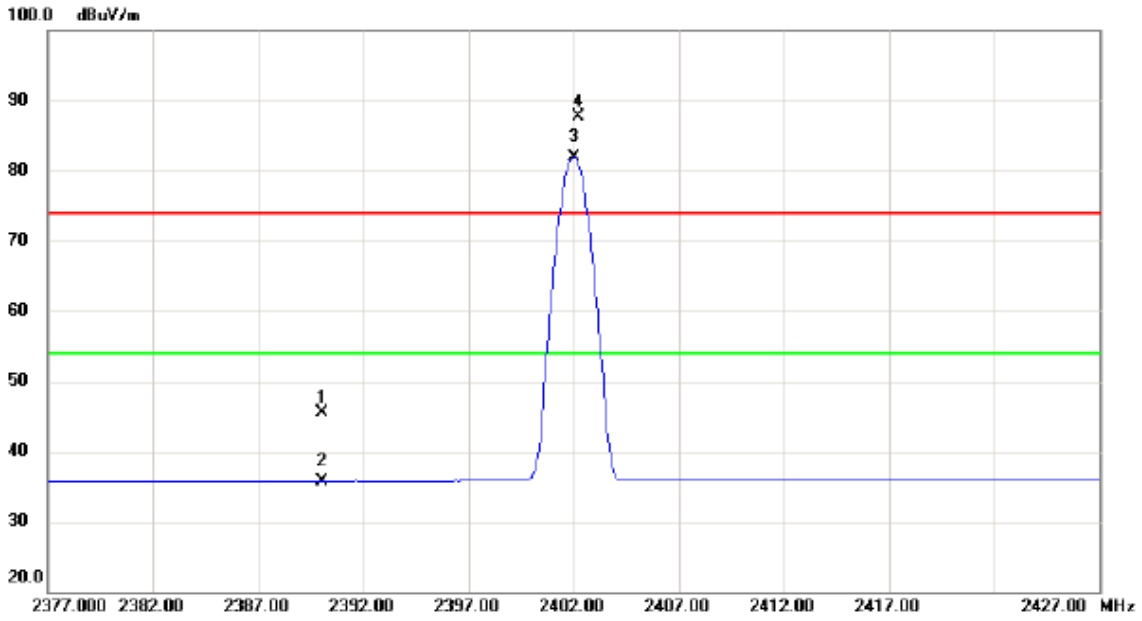
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4803.960	25.50	3.00	28.50	54.00	-25.50	AVG	
2		4804.000	35.15	3.00	38.15	74.00	-35.85	peak	

Orthogonal Axis :	X
Test Mode :	TX 2402MHz _CH00_1Mbps

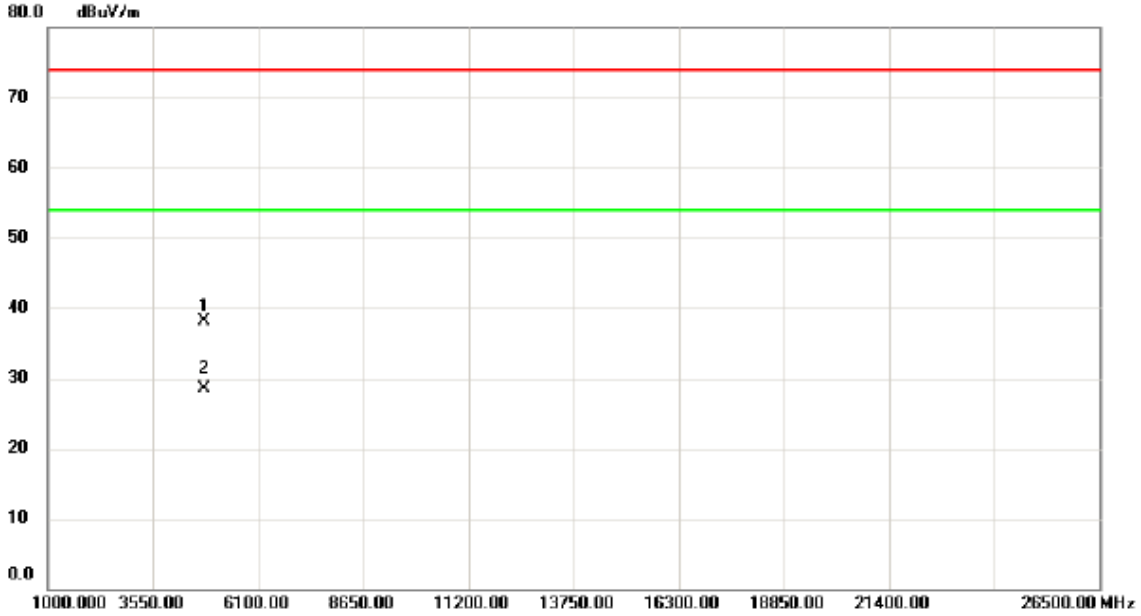
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		2390.000	11.18	34.23	45.41	74.00	-28.59	peak	
2		2390.000	1.56	34.23	35.79	54.00	-18.21	AVG	
3	*	2402.000	47.63	34.30	81.93	54.00	27.93	AVG	NO LIMIT
4	X	2402.250	53.37	34.30	87.67	74.00	13.67	peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX 2402MHz _CH00_1Mbps

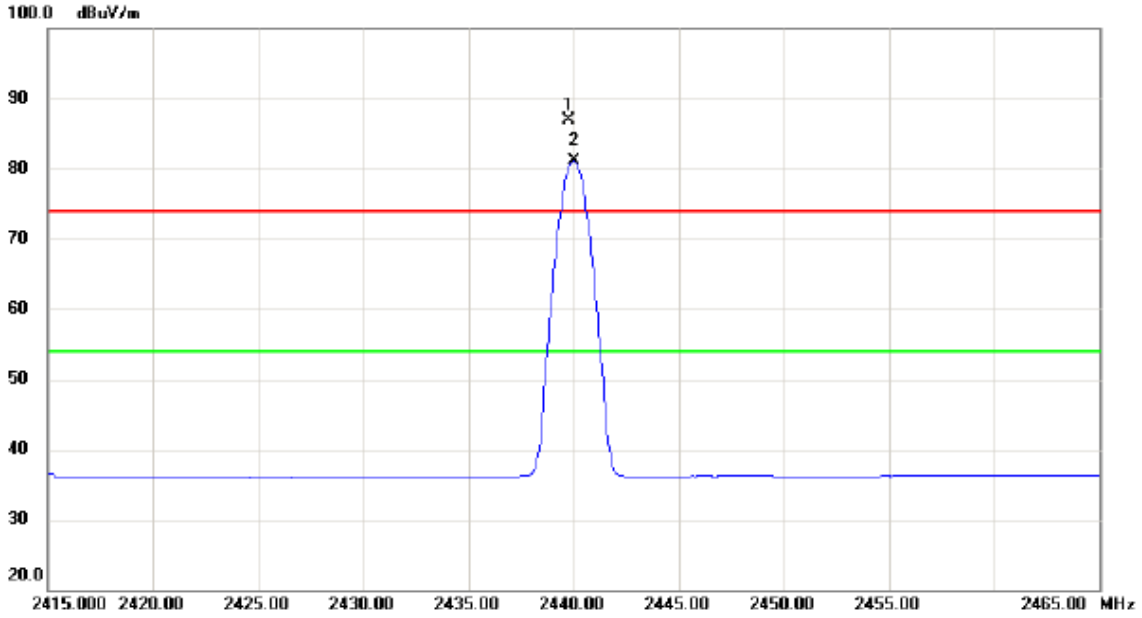
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4803.960	35.20	3.00	38.20	74.00	-35.80	peak	
2	*	4804.060	25.50	3.00	28.50	54.00	-25.50	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2440MHz _CH19_1Mbps

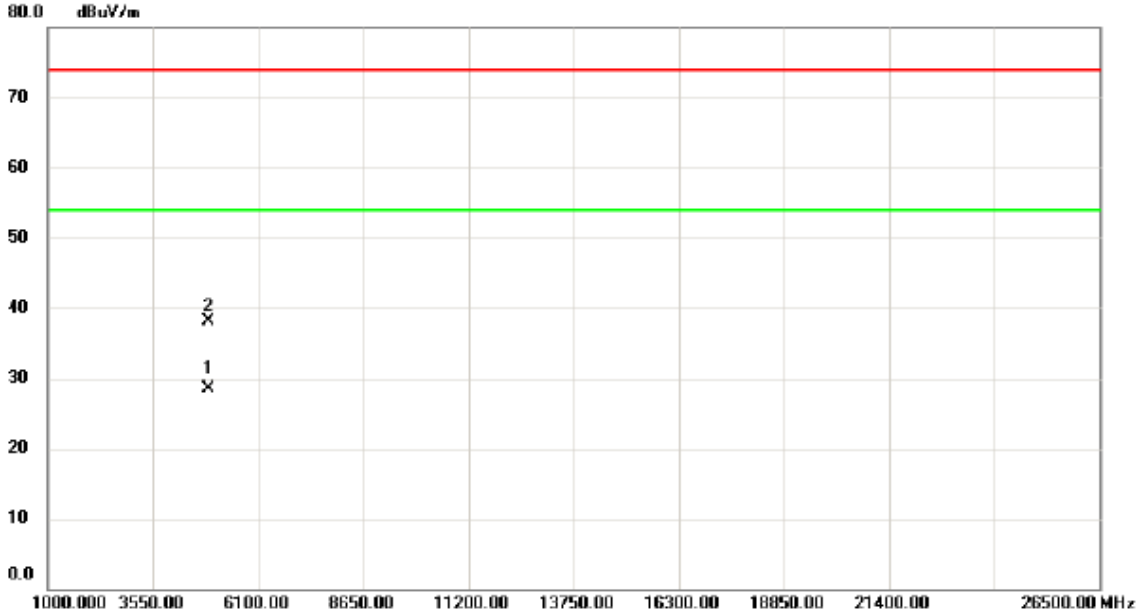
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2439.750	52.31	34.52	86.83	74.00	12.83	peak	NO LIMIT
2	*	2440.000	46.59	34.52	81.11	54.00	27.11	AVG	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX 2440MHz _CH19_1Mbps

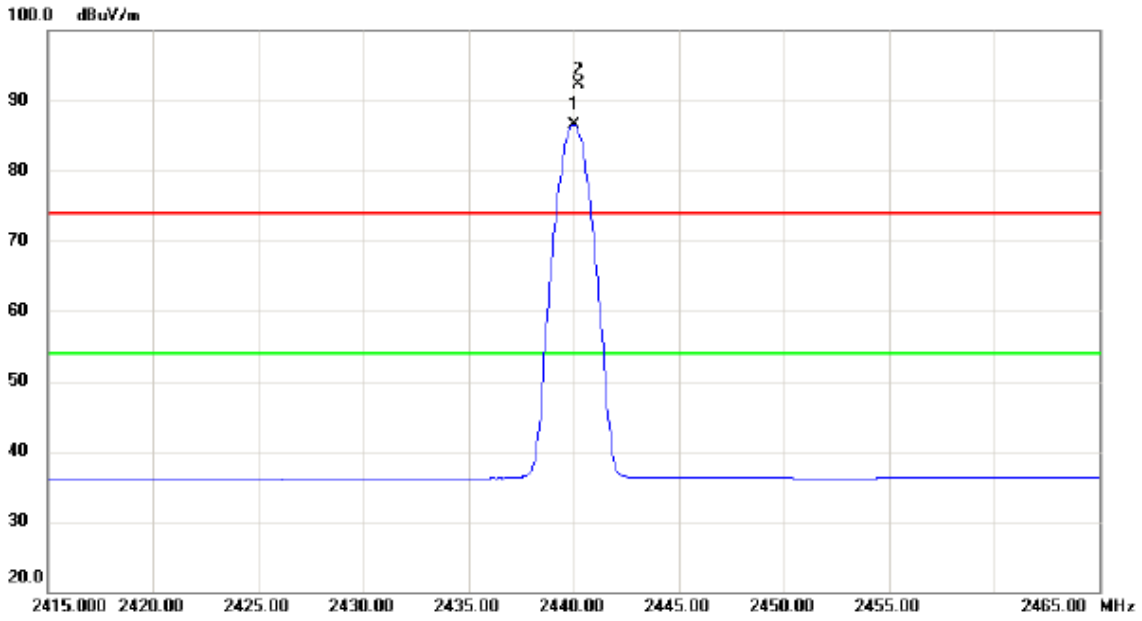
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4880.060	25.48	3.02	28.50	54.00	-25.50	AVG	
2		4879.960	35.13	3.02	38.15	74.00	-35.85	peak	

Orthogonal Axis :	X
Test Mode :	TX 2440MHz _CH19_1Mbps

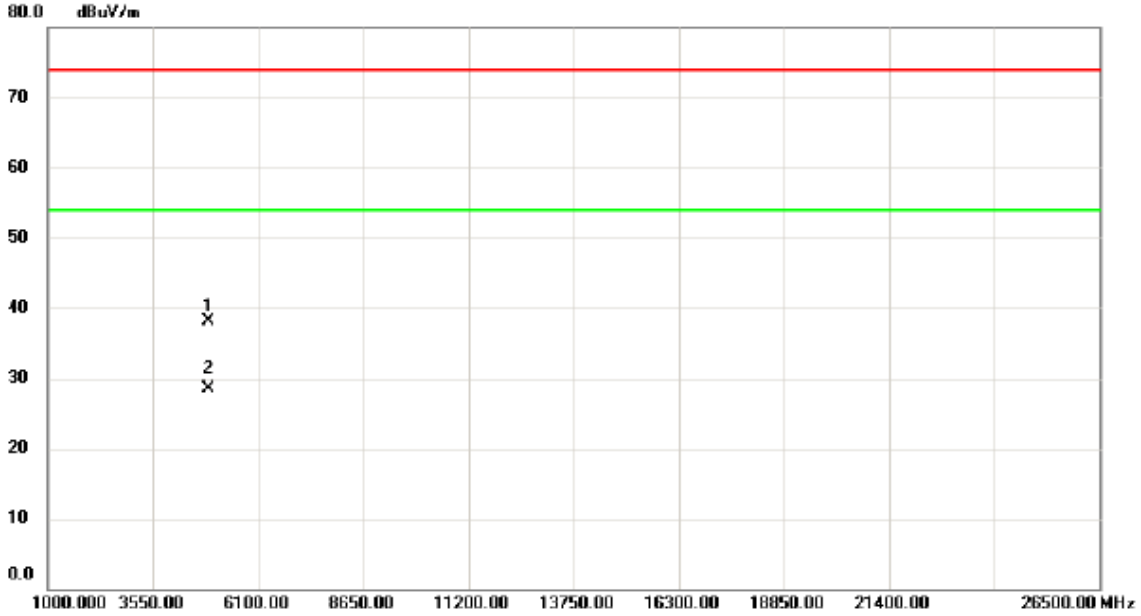
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2440.000	52.06	34.52	86.58	54.00	32.58	AVG	NO LIMIT
2	X	2440.250	57.76	34.52	92.28	74.00	18.28	peak	NO LIMIT

Orthogonal Axis :	X
Test Mode :	TX 2440MHz _CH19_1Mbps

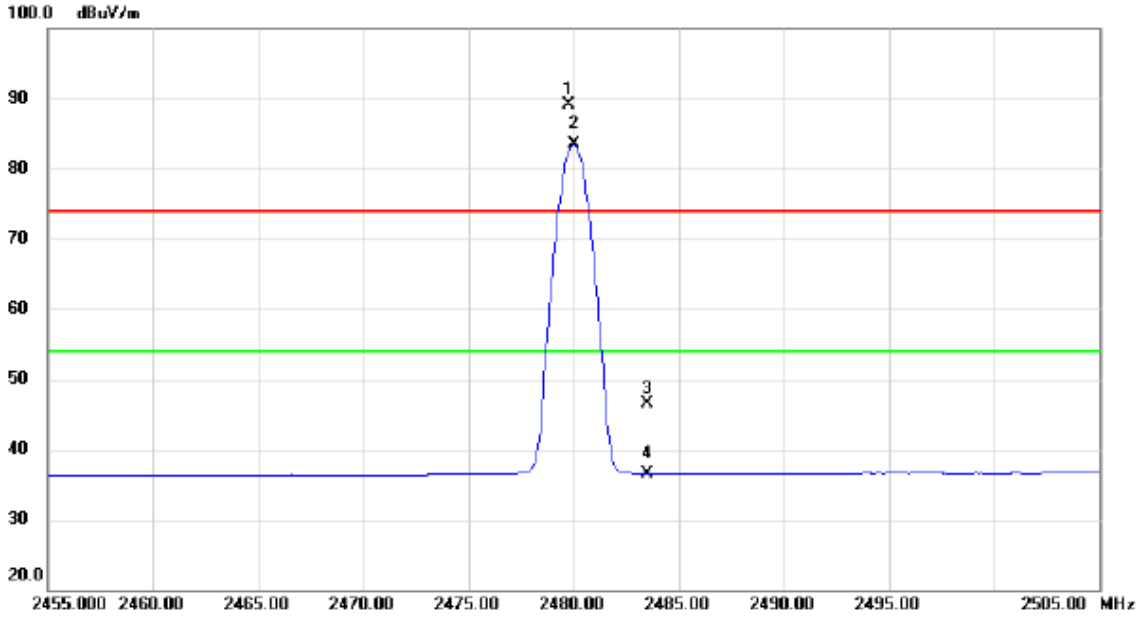
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4880.012	35.18	3.02	38.20	74.00	-35.80	peak	
2	*	4880.030	25.48	3.02	28.50	54.00	-25.50	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_1Mbps

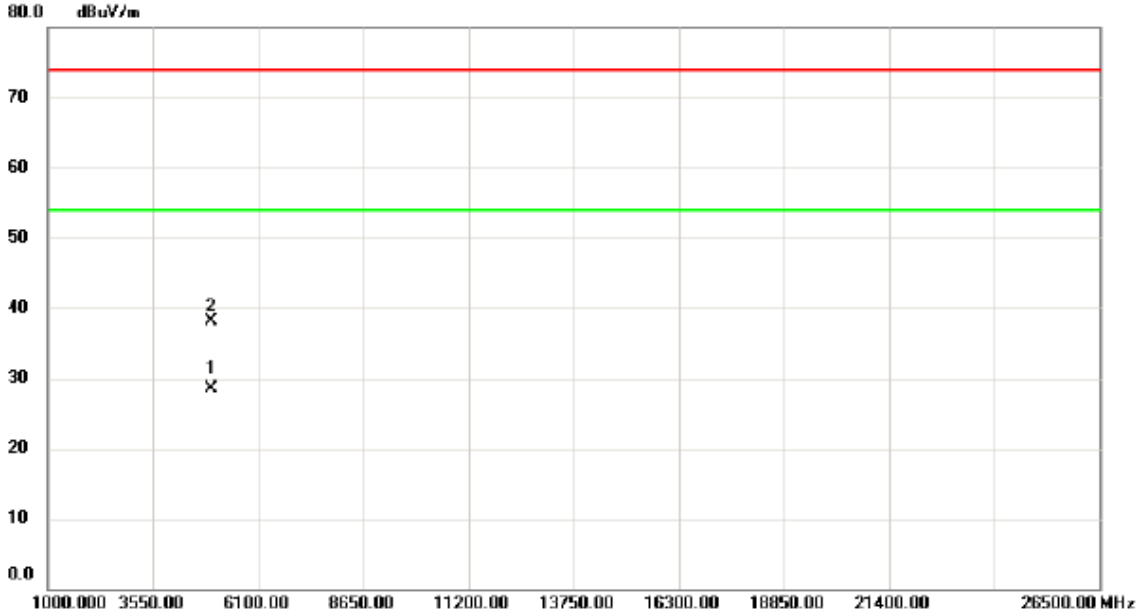
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	X	2479.750	54.44	34.75	89.19	74.00	15.19	peak	NO LIMIT
2	*	2480.000	48.71	34.75	83.46	54.00	29.46	AVG	NO LIMIT
3		2483.500	11.69	34.78	46.47	74.00	-27.53	peak	
4		2483.500	1.77	34.78	36.55	54.00	-17.45	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_1Mbps

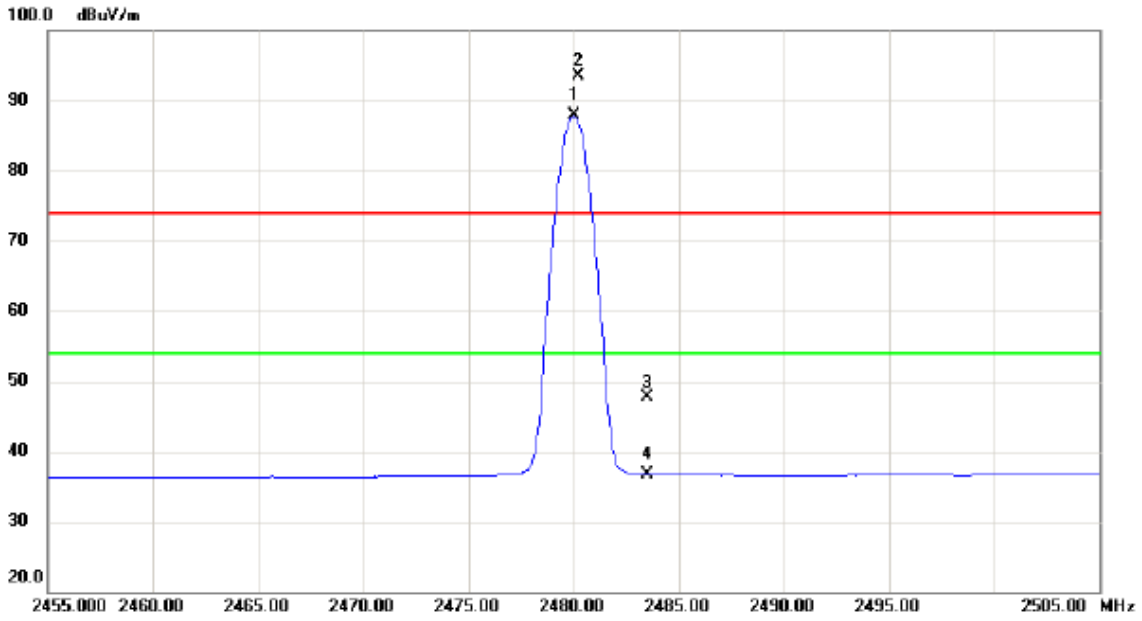
Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	4960.020	25.43	3.07	28.50	54.00	-25.50	AVG	
2		4960.007	35.08	3.07	38.15	74.00	-35.85	peak	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_1Mbps

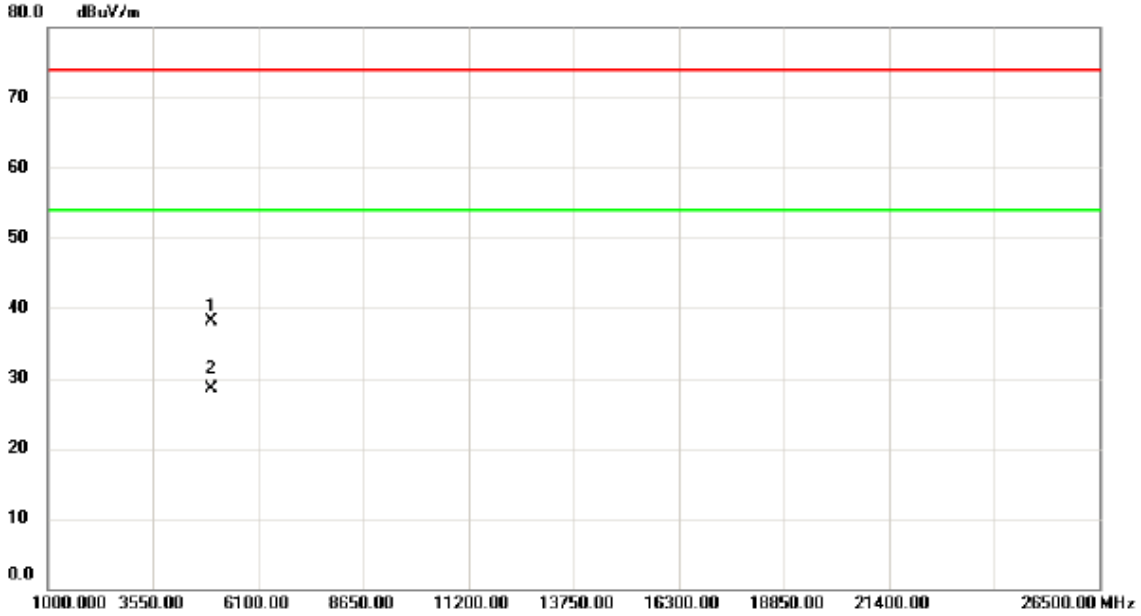
Horizontal



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1	*	2480.000	53.06	34.75	87.81	54.00	33.81	AVG	NO LIMIT
2	X	2480.250	58.78	34.75	93.53	74.00	19.53	peak	NO LIMIT
3		2483.500	12.89	34.78	47.67	74.00	-26.33	peak	
4		2483.500	1.88	34.78	36.66	54.00	-17.34	AVG	

Orthogonal Axis :	X
Test Mode :	TX 2480MHz _CH39_1Mbps

Horizontal



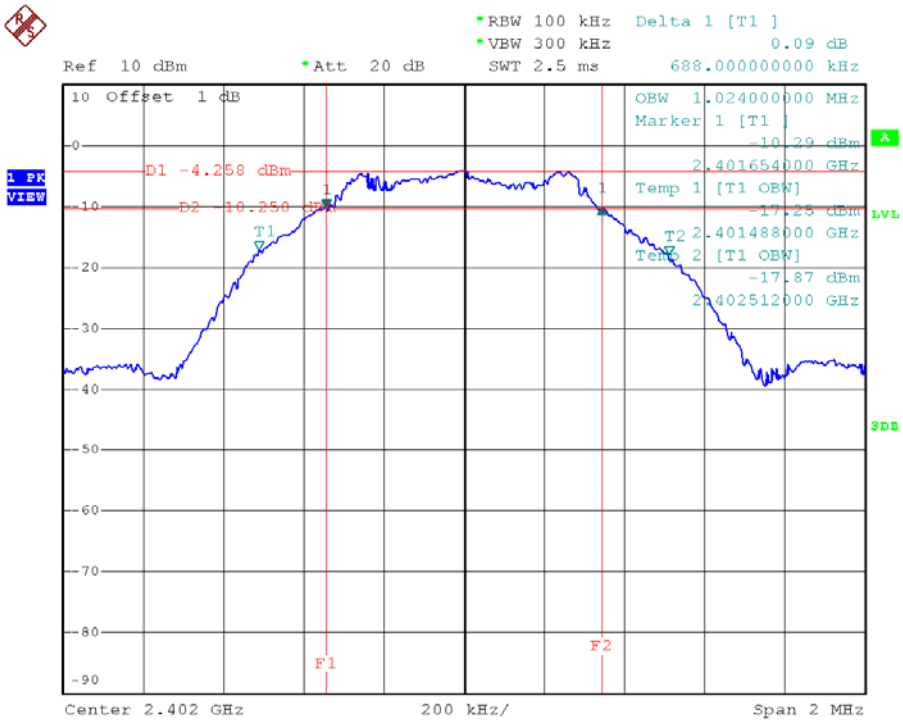
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		4960.031	35.13	3.07	38.20	74.00	-35.80	peak	
2	*	4960.005	25.43	3.07	28.50	54.00	-25.50	AVG	

ATTACHMENT E - BANDWIDTH

Test Mode :	CH00, CH19 , CH39 - 1Mbps

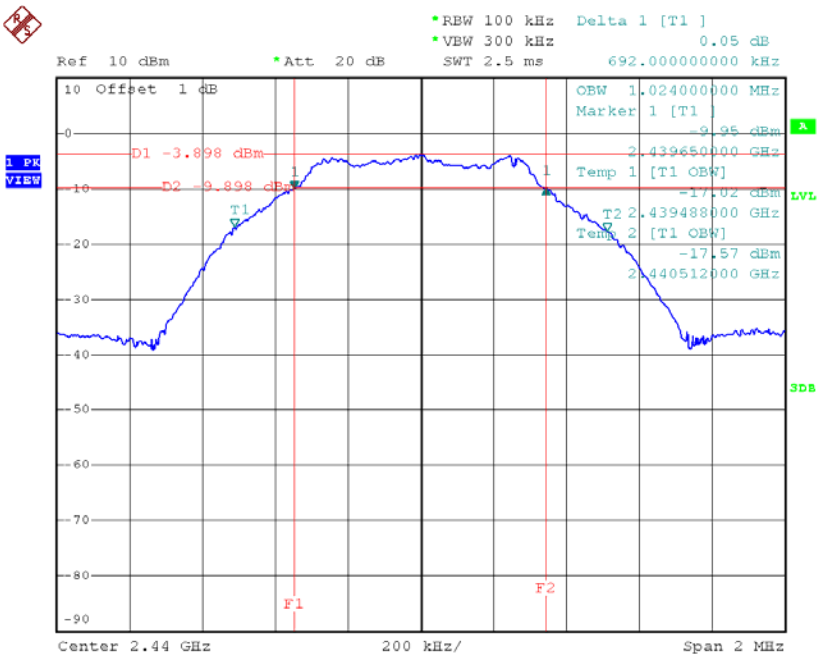
Frequency (MHz)	6dB Bandwidth (MHz)	99% Occupied BW (MHz)	Min. Limit (kHz)	Test Result
2402	0.688	1.024	500	Complies
2440	0.692	1.024	500	Complies
2480	0.686	1.024	500	Complies

TX CH00



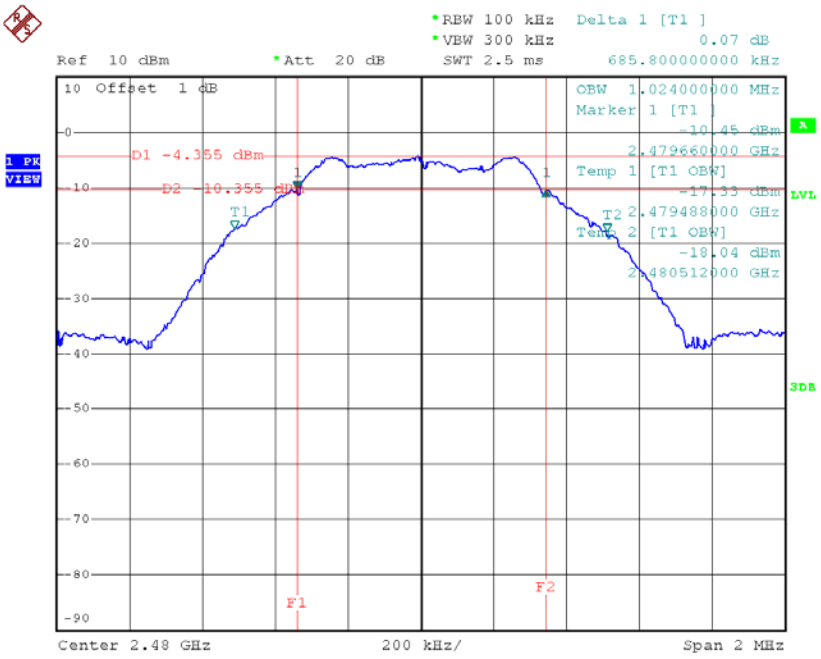
Date: 8.OCT.2015 10:57:53

TX CH19



Date: 8.OCT.2015 10:59:34

TX CH39



Date: 8.OCT.2015 11:00:58

ATTACHMENT F - MAXIMUM OUTPUT POWER TEST

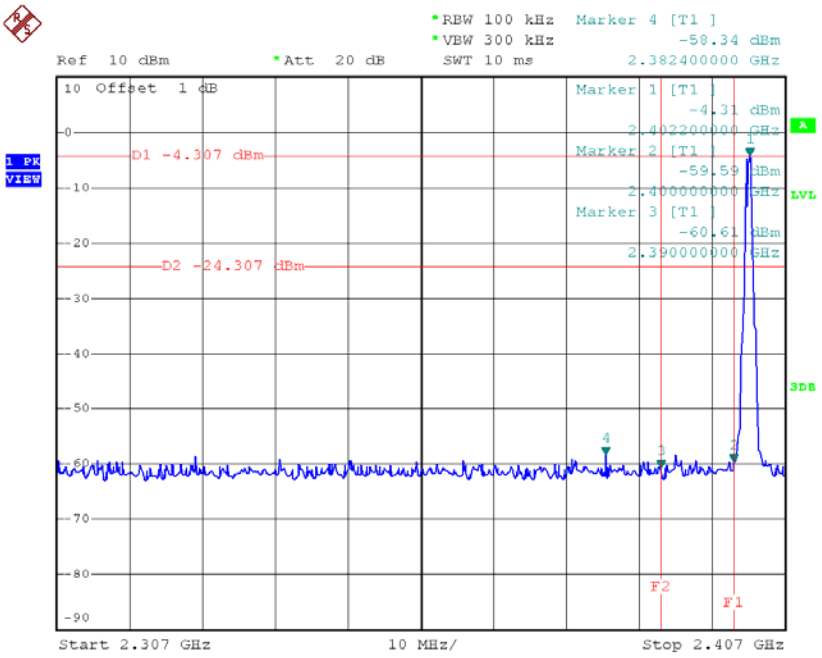
Test Mode :	CH00, CH19 , CH39 - 1Mbps

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (Watt)	Max. Limit (dBm)	Max. Limit (Watt)	Test Result
2402	-3.44	0.0005	30.00	1.00	Complies
2440	-3.12	0.0005	30.00	1.00	Complies
2480	-3.58	0.0004	30.00	1.00	Complies

ATTACHMENT G - ANTENNA CONDUCTED SPURIOUS EMISSION

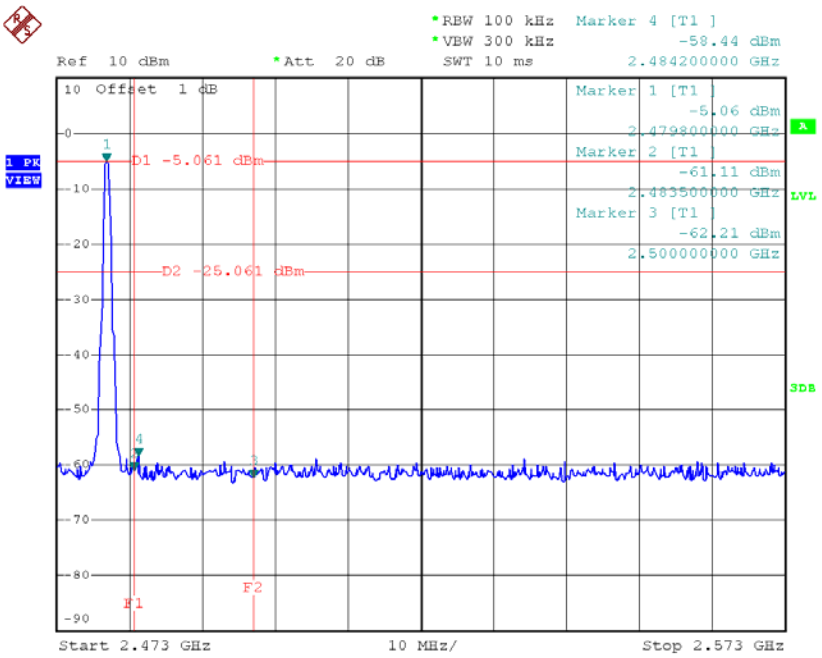
Test Mode :	CH00, CH19 , CH39 - 1Mbps

CH00 (Lower) - 1Mbps



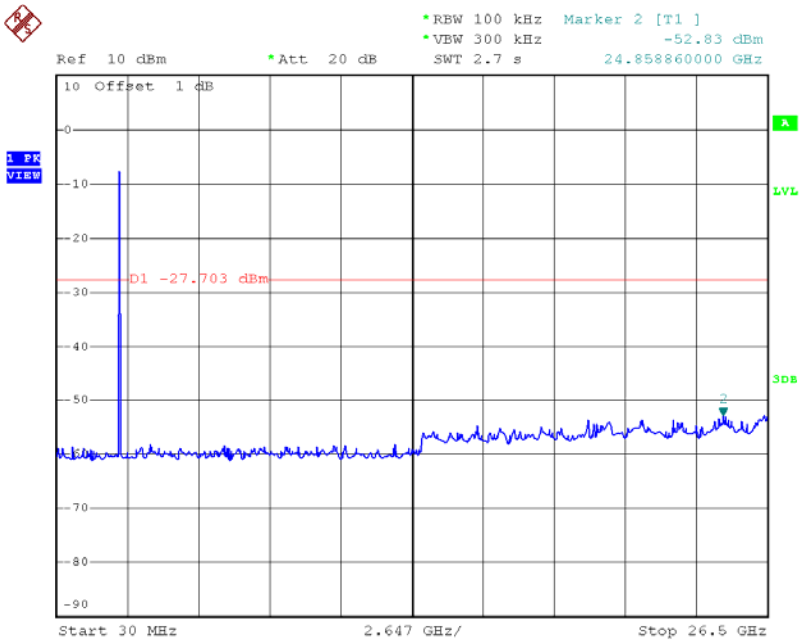
Date: 8.OCT.2015 10:58:02

CH39 (upper) - 1Mbps



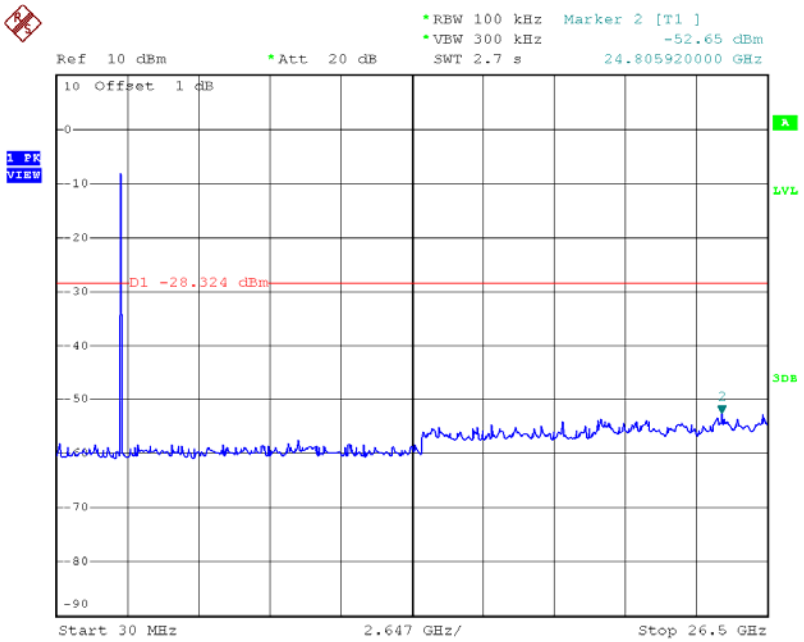
Date: 8.OCT.2015 11:01:07

CH00 (10 Harmonic of the frequency)



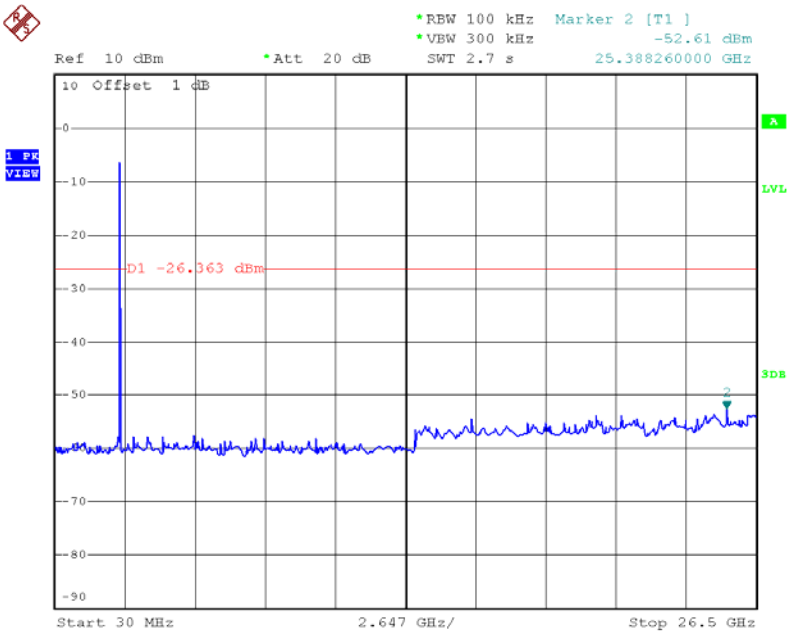
Date: 8.OCT.2015 10:58:19

CH19 (10 Harmonic of the frequency)



Date: 8.OCT.2015 10:59:55

CH39 (10 Harmonic of the frequency)



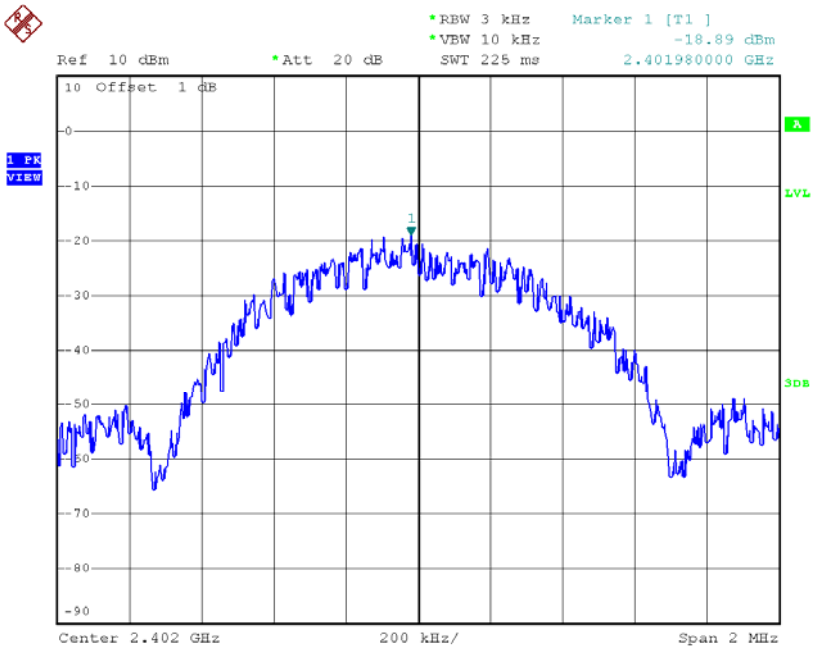
Date: 8.OCT.2015 11:01:21

ATTACHMENT H - POWER SPECTRAL DENSITY TEST

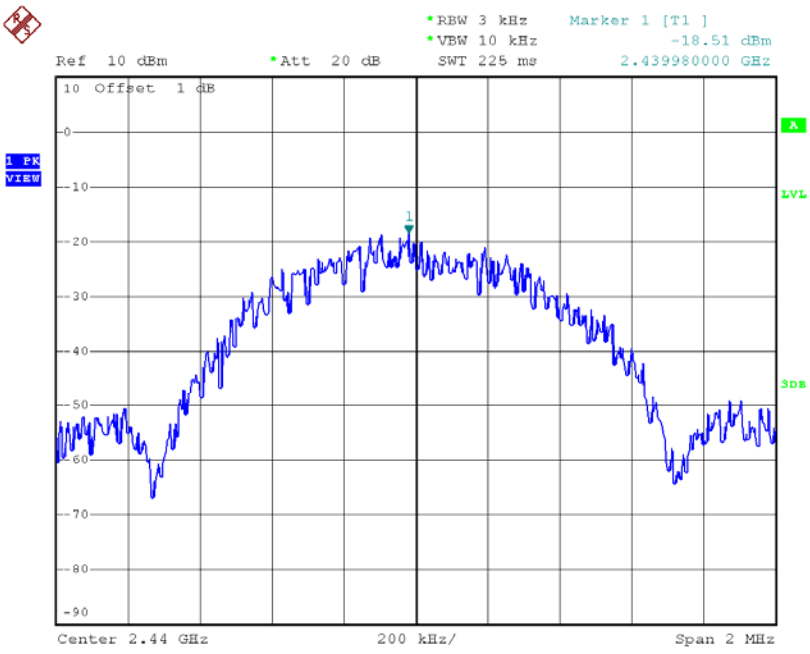
Test Mode :	CH00, CH19 , CH39 - 1Mbps

Frequency (MHz)	Power Density (dBm)	Max. Limit (dBm)	Result
2402	-18.89	8	Complies
2440	-18.51	8	Complies
2480	-19.23	8	Complies

TX CH00

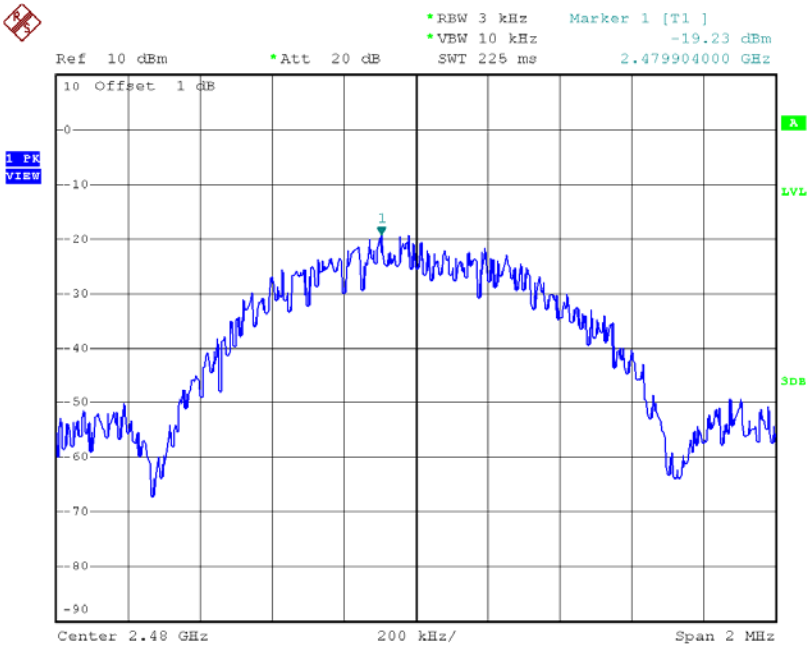


TX CH19



Date: 8.OCT.2015 11:00:02

TX CH39



Date: 8.OCT.2015 11:01:28