

# FCC Radio Test Report

## FCC ID: QISAGS-L03

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

**Project No.** : 1705C003  
**Equipment** : Huawei MediaPad T3 10 (MediaPad T3 10 for short)  
**Model Name** : AGS-L03  
**Applicant** : Huawei Technologies Co., Ltd.  
**Address** : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District, Shenzhen, 518129, P.R.C

**Date of Receipt** : May 02, 2017  
**Date of Test** : May 02, 2017 ~ May 19, 2017  
**Issued Date** : May 22, 2017  
**Tested by** : BTL Inc.

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### REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1705C003	Original Issue.	May 22, 2017

## 1. CERTIFICATION

Equipment : Huawei MediaPad T3 10 (MediaPad T3 10 for short)  
Brand Name : HUAWEI  
Model Name : AGS-L03  
Applicant : Huawei Technologies Co., Ltd.  
Manufacturer : Huawei Technologies Co., Ltd.  
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
Factory : Huawei Technologies Co., Ltd.  
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,  
Bantian, Longgang District, Shenzhen, 518129, P.R.C  
Date of Test : May 02, 2017 ~ May 19, 2017  
Test Sample : Engineering Sample  
Standard(s) : FCC Part15, Subpart C (15.247)/ ANSI C63.10-2013

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

The test data, data evaluation, and equipment configuration contained in our test report (Ref No. BTL-FCCP-1-1705C003) 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 result included in this report is only for the Bluetooth EDR part.**

## 2. SUMMARY OF TEST RESULTS

Test procedures according to the technical standard(s):

Applied Standard(s): FCC Part15, Subpart C (15.247)			
Standard(s) Section	Test Item	Judgment	Remark
15.207	Conducted Emission	PASS	
15.247(d)	Antenna conducted Spurious Emission	PASS	
15.247 (a)(1)	Hopping Channel Separation	PASS	
15.247(a)(1)	Bandwidth	PASS	
15.247 (b)(1)	Peak Output Power	PASS	
15.247(d) 15.209	Radiated Spurious Emission	PASS	
15.247 (a)(1)(iii)	Number of Hopping Frequency	PASS	
15.247 (a)(1)(iii)	Dwell Time	PASS	
15.205	Restricted Bands	PASS	
15.203	Antenna Requirement	PASS	

Note:

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

## 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 measurement instrumentation uncertainty considerations contained in CISPR 16-4-2.

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)
DG-CB03	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
		1GHz~18GHz	V	3.12
		1GHz~18GHz	H	3.68
		18GHz~40GHz	V	4.15
		18GHz~40GHz	H	4.14

### C. Other Measurement:

Test Item	Uncertainty
Conducted Spurious Emission	2.67dB
Hopping Channel Separation	53.46MHz
Peak Output Power	0.95dB
Number of Hopping Frequency	53.46MHz
Temperature	0.08°C
Humidity	1.5%

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	Huawei MediaPad T3 10 (MediaPad T3 10 for short)	
Brand Name	HUAWEI	
Model Name	AGS-L03	
Model Difference	N/A	
Output Power (Max.)	Operation Frequency	2402~2480 MHz
	Modulation Technology	GFSK(1Mbps) $\pi/4$ -DQPSK(2Mbps)
	Bit Rate of Transmitter	8-DPSK(3Mbps)
	Output Power Max.	10.97 dBm(1Mbps) 11.44 dBm(3Mbps)
Power Source	#1 DC voltage supplied from adapter. #2 Supplied from battery. #3 Supplied from USB port.	
Power Rating	#1 100-240V~ 50/60Hz 0.2A #2 DC 3.8V 4650mAh #2 DC 5V 1A	
HW Version	SH1AGSL09M	
SW Version	AGS-L03C331B005-log	

Note:

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

Item	Mfr/Brand	Model.
Battery	Sunwoda Electronic Co., LTD	HB3080G1EBC/
	Harbin Coslight Power Co.,Ltd.	HB3080G1EBW
Earphone	JIANGXI LIANCHUANG HONGSHENG ELECTRONIC CO., LTD	22040150
	BOLUO COUNTY QUANCHENG ELECTRONIC CO., LTD	22040150
	Goer Tek Inc	22040150
USB Cable	Shenzhen Luxshare Precision Industry Co.,Ltd.	L99U2017-CS-H
	FOXCONN INTERCONNECT TECHNOLOGY LIMITED	CUBB01M-HC304-DH
	HONGLIN TECHNOLOGY CO.,LTD	130-26988
Adapter	DONGGUAN PHITEK ELECTRONICS CO.,LTD.	HW-050100U01
	SHENZHEN HUNTKEY ELECTRONIC CO.,LTD.	HW-050100A01 HW-050100E01
	HUIZHOU BYD ELECTRONIC CO., LTD.	HW-050100B01

3. Channel List:

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
00	2402	27	2429	54	2456
01	2403	28	2430	55	2457
02	2404	29	2431	56	2458
03	2405	30	2432	57	2459
04	2406	31	2433	58	2460
05	2407	32	2434	59	2461
06	2408	33	2435	60	2462
07	2409	34	2436	61	2463
08	2410	35	2437	62	2464
09	2411	36	2438	63	2465
10	2412	37	2439	64	2466
11	2413	38	2440	65	2467
12	2414	39	2441	66	2468
13	2415	40	2442	67	2469
14	2416	41	2443	68	2470
15	2417	42	2444	69	2471
16	2418	43	2445	70	2472
17	2419	44	2446	71	2473
18	2420	45	2447	72	2474
19	2421	46	2448	73	2475
20	2422	47	2449	74	2476
21	2423	48	2450	75	2477
22	2424	49	2451	76	2478
23	2425	50	2452	77	2479
24	2426	51	2453	78	2480
25	2427	52	2454		
26	2428	53	2455		

4. Table for Filed Antenna

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

### 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 <b>Note (1)</b>

The EUT system operated these modes were found to be the worst case during the pre-scanning test as following:

For Conducted Emission	
Final Test Mode	Description
Mode 1	TX Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	TX Mode <b>Note (1)</b>

**Note:**

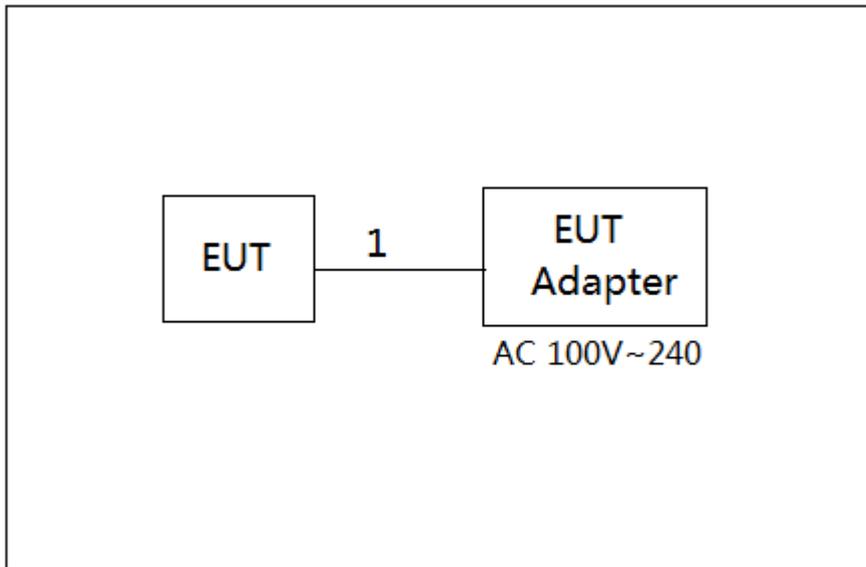
- (1) The measurements are performed at the high, middle, low available channels.
- (2) The measurements for Hopping Channel Separation, Bandwidth and Peak Output Power were tested during 1Mbps, 2Mbps and 3Mbps, the worst case are 1Mbps and 3Mbps, only worst case was documented.

### 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 FHSS

Test Software Version	N/A		
Frequency	2402 MHz	2441 MHz	2480 MHz
Parameters(1Mbps)	N/A	N/A	N/A
Parameters(3Mbps)	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	NO	NO	1m	USB Cable

## 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 -0.50	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

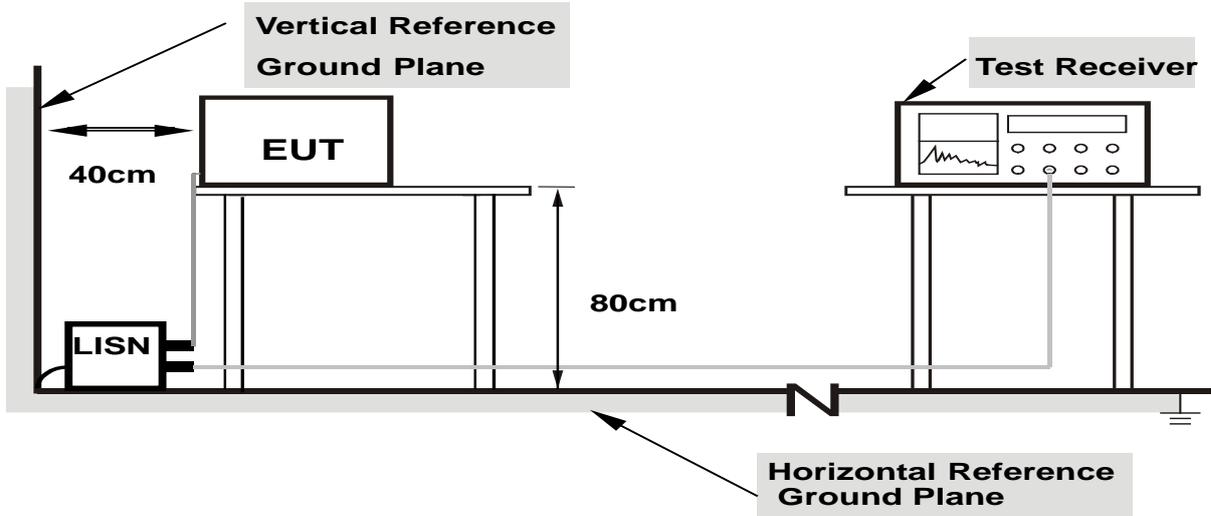
#### 4.1.2 TEST PROCEDURE

- 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 equipment 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 function (as a customer would normally use it), EUT was programmed to be in continuously transmitting/receiving data or hopping on mode.

**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.

## 4.2 RADIATED EMISSION MEASUREMENT

### 4.2.1 RADIATED EMISSION LIMITS (Frequency Range 9KHz -1000MHz)

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.

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)	Band edge at 3m (dBμV/m)		Harmonic at 1.5m (dBμV/m)	
	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/RSS-247.
- (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

(5)

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

$$20 \log d_{\text{limit}}/d_{\text{measure}} = 20 \log 3/1.5 = 6 \text{dB.}$$

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

Spectrum 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**

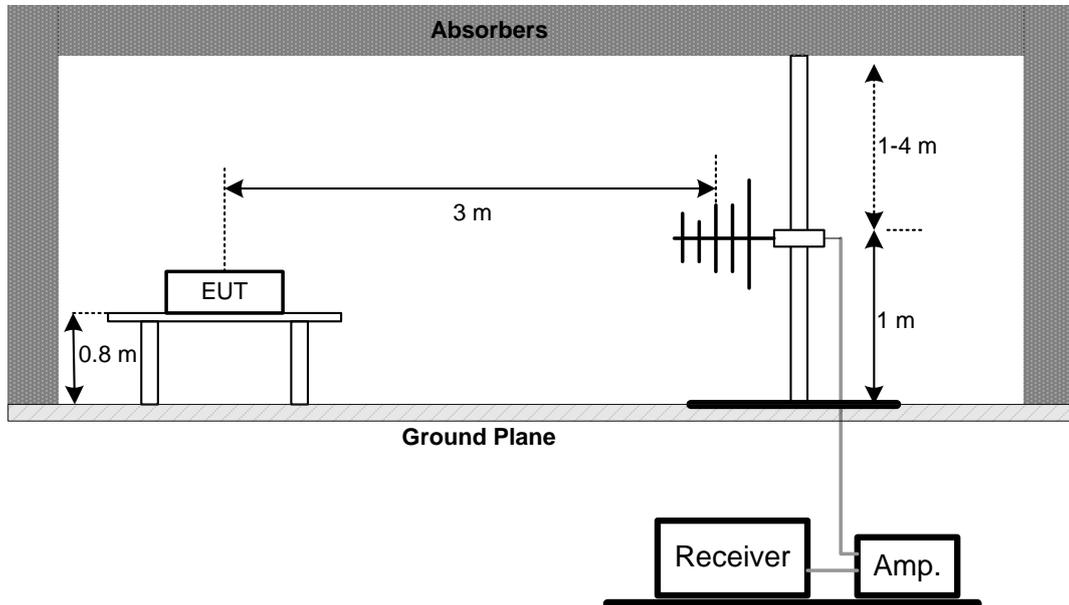
- a. The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- b. The measuring distance 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**

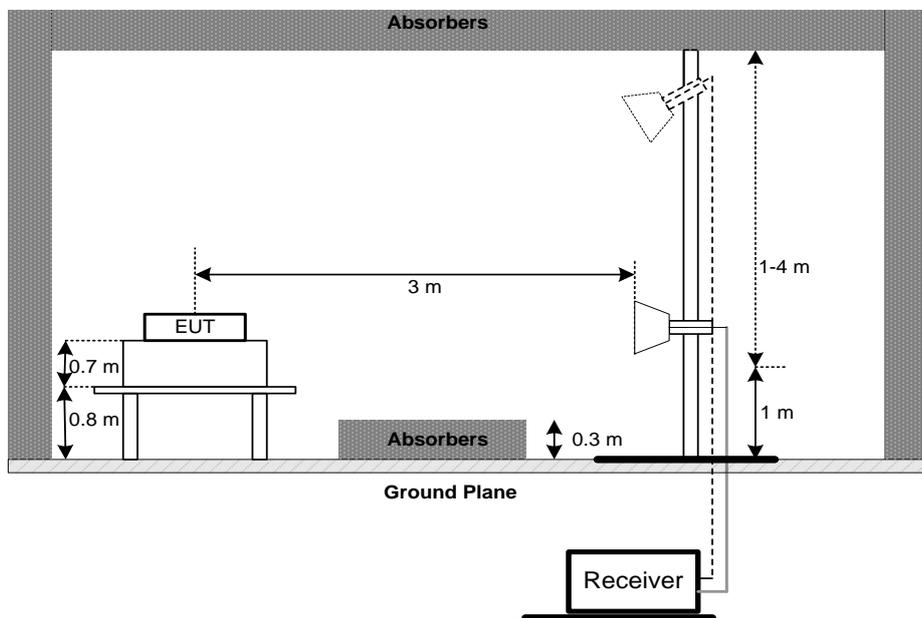
No deviation

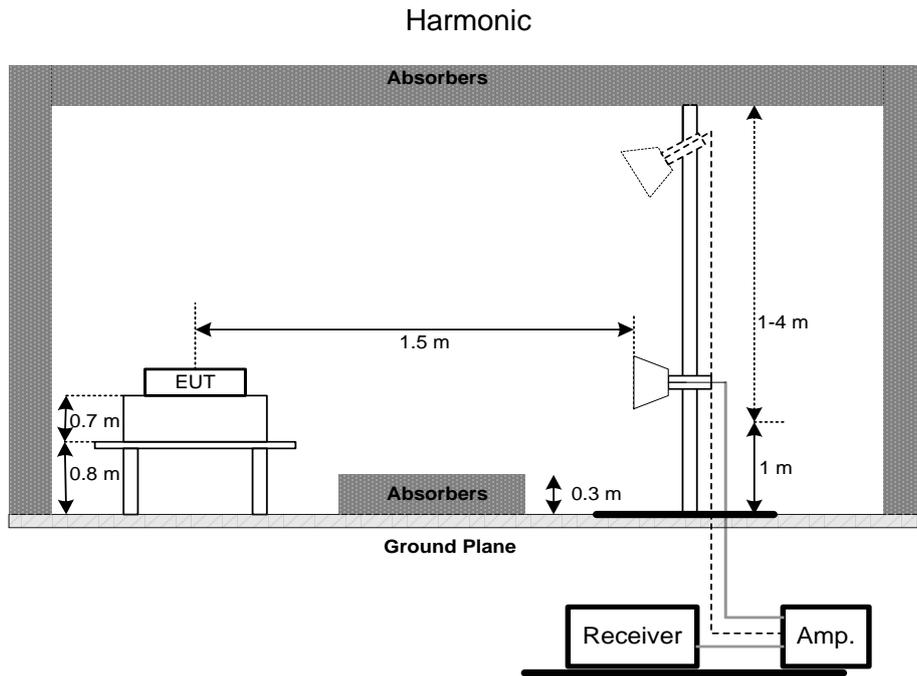
**4.2.4 TEST SETUP**

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

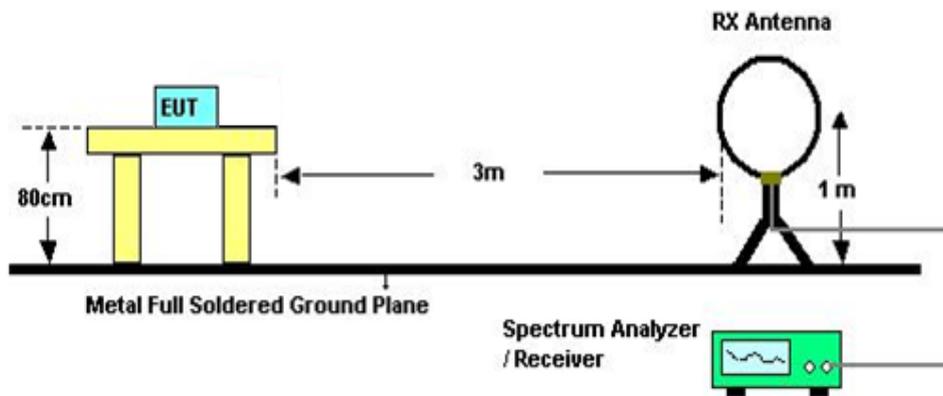


(B) Radiated Emission Test Set-Up Frequency Above 1 GHz  
 Band edge





(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 =  $40 \log(\text{specific distance} / \text{test distance})$  (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.

**5. NUMBER OF HOPPING CHANNEL**

**5.1 APPLIED PROCEDURES**

FCC Part15 (15.247) , Subpart C			
Section	Test Item	Frequency Range (MHz)	Result
15.247(a)(1)(iii)	Number of Hopping Channel	2400-2483.5	PASS

Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> Operating Frequency Range
RBW	100 KHz
VBW	100 KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

**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=100KHz, Sweep time = Auto.

**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. AVERAGE TIME OF OCCUPANCY**

**6.1 APPLIED PROCEDURES / LIMIT**

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(a)(1)(iii)	Average Time of Occupancy	0.4sec	2400-2483.5	PASS

**6.1.1 TEST PROCEDURE**

- a. The transmitter output (antenna port) was connected to the spectrum analyzer
- b. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- h. Measure the maximum time duration of one single pulse.
- i. DH5 Packet permit maximum  $1600 / 79 / 6 = 3.37$  hops per second in each channel (5 time slots TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times  $3.37 \times 31.6 = 106.6$  within 31.6 seconds.
- j. DH3 Packet permit maximum  $1600 / 79 / 4 = 5.06$  hops per second in each channel (3 time slots TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times  $5.06 \times 31.6 = 160$  within 31.6 seconds.
- k. DH1 Packet permit maximum  $1600 / 79 / 2 = 10.12$  hops per second in each channel (1 time slot TX, 1 time slot RX). So, the dwell time is the time duration of the pulse times  $10.12 \times 31.6 = 320$  within 31.6 seconds.

**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. HOPPING CHANNEL SEPARATION MEASUREMENT

### 7.1 APPLIED PROCEDURES / LIMIT

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 KHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RBW	30 KHz
VBW	100 KHz
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

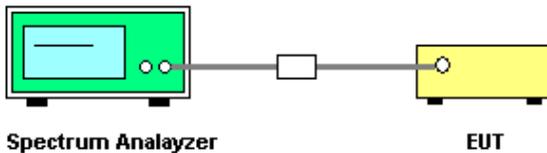
#### 7.1.1 TEST PROCEDURE

- a. The EUT must have its hopping function enabled
- b. Span = wide enough to capture the peaks of two adjacent channels
  - Resolution (or IF) Bandwidth (RBW)  $\geq$  1% of the span
  - Video (or Average) Bandwidth (VBW)  $\geq$  RBW
  - Sweep = Auto
  - Detector function = Peak
  - Trace = Max Hold

#### 7.1.2 DEVIATION FROM STANDARD

No deviation.

#### 7.1.3 TEST SETUP



#### 7.1.4 EUT TEST CONDITIONS

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

#### 7.1.5 TEST RESULTS

Please refer to the Attachment G

**8. BANDWIDTH TEST**

**8.1 APPLIED PROCEDURES**

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

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	> Measurement Bandwidth or Channel Separation
RBW	30 KHz (20dB Bandwidth) / 30 KHz (Channel Separation)
VBW	100 KHz (20dB Bandwidth) / 100 KHz (Channel Separation)
Detector	Peak
Trace	Max Hold
Sweep Time	Auto

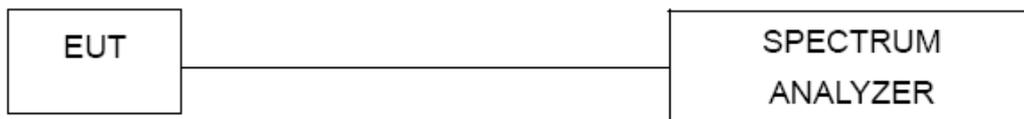
**8.1.1 TEST PROCEDURE**

- 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= 30KHz, VBW=100KHz, 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. PEAK OUTPUT POWER TEST**

**9.1 APPLIED PROCEDURES / LIMIT**

FCC Part15 (15.247) , Subpart C				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.247(b)(1)	Peak Output Power	1 Watt or 30dBm ( hopping channel >75) 0.125Watt or 21dBm (hopping channel <75)	2400-2483.5	PASS

**9.1.1 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= 1MHz/3MHz, VBW= 1MHz/3MHz, Sweep time = Auto.

**9.1.2 DEVIATION FROM STANDARD**

No deviation.

**9.1.3 TEST SETUP**



**9.1.4 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.

**9.1.5 EUT TEST CONDITIONS**

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

**9.1.6 TEST RESULTS**

Please refer to the Attachment I

**10. ANTENNA CONDUCTED SPURIOUS EMISSION**

**10.1 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.

**10.1.1 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=100KHz, Sweep time = Auto.
- c. Offset=antenna gain+cable loss

**10.1.2 DEVIATION FROM STANDARD**

No deviation.

**10.1.3 TEST SETUP**



**10.1.4 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.

**10.1.5 EUT TEST CONDITIONS**

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

**10.1.6 TEST RESULTS**

Please refer to the Attachment J

## 11. 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. 26, 2018
2	LISN	EMCO	3816/2	52765	Mar. 26, 2018
3	50Ω Terminator	SHX	TF2-3G-A	8122901	Mar. 26, 2018
4	TWO-LINE V-NETWORK	R&S	ENV216	101447	Mar. 26, 2018
5	Cable	emci	RG223(9KHz-30 MHz)(5m)	N/A	Mar. 07, 2018
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 26, 2018
2	Amplifier	HP	8447D	2944A09673	Oct. 20, 2017
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
4	Cable	emci	LMR-400(30MHz-1GHz) (8m+5m)	N/A	Jun. 27, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 26, 2018
8	Amplifier	Agilent	8449B	3008A02274	Feb. 22, 2018
9	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
10	Test Cable	emci	EMC104-SM-S M-10000(1GHz-26.5GHz)	C-68	Jun. 26, 2017
11	Controller	CT	SC100	N/A	N/A
12	Broad-Band Horn Antenna	Schwarzbeck	BBHA 9170	9170319	Apr. 22, 2018
13	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 26, 2018
14	Active Loop Antenna	R&S	HFH2-Z2	830749/020	Sep. 06, 2017
15	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Number of Hopping Channel					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

Average Time of Occupancy					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

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

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

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

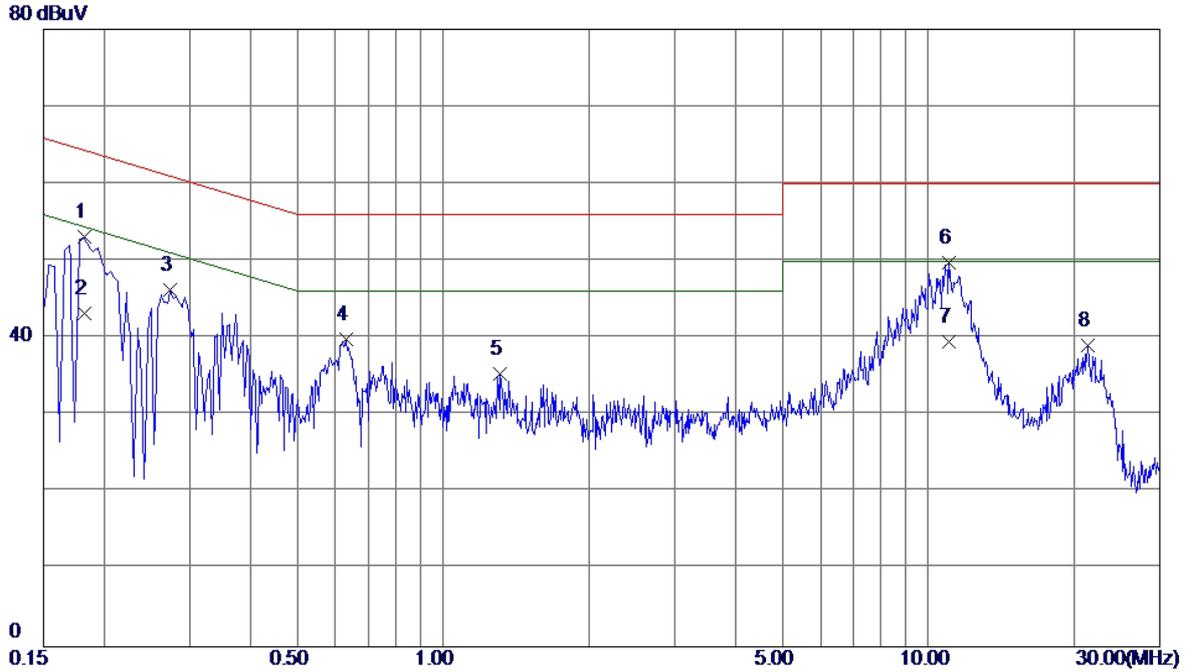
Antenna Conducted Spurious Emission					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

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

## ATTACHMENT A - CONDUCTED EMISSION

Test Mode: TX Mode(Adapter: PHITEK)

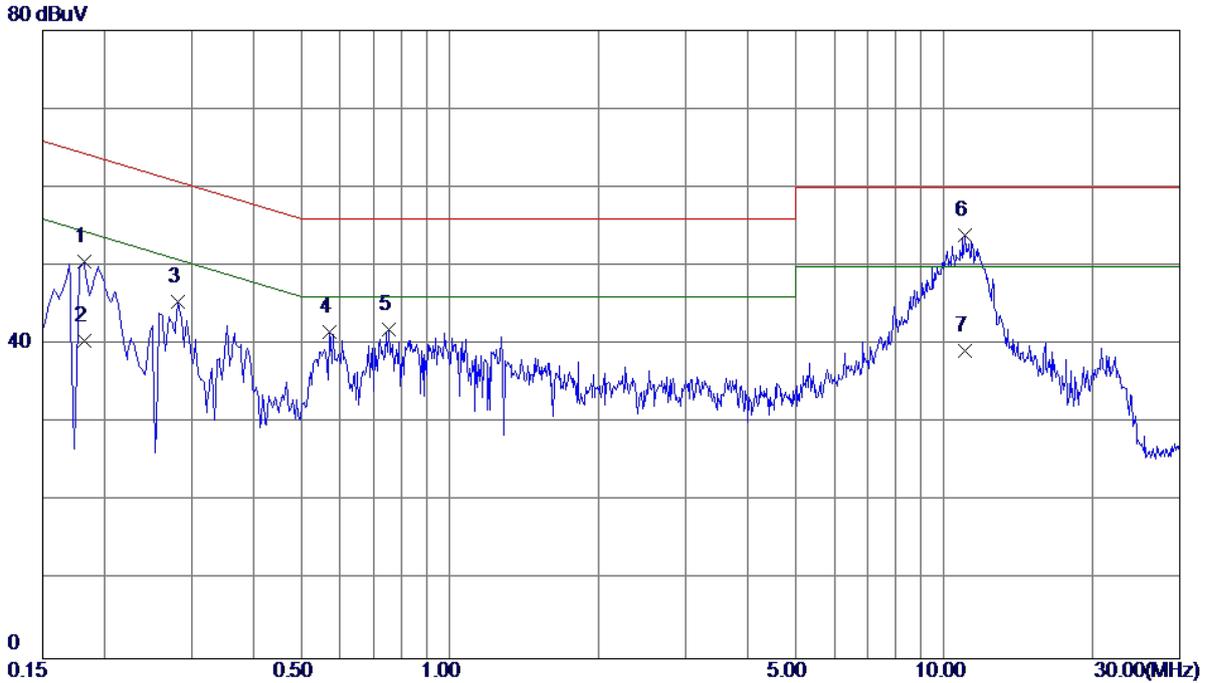
**Line**



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1819	43.38	9.73	53.11	64.40	-11.29	Peak	
2	0.1819	33.50	9.73	43.23	54.40	-11.17	AVG	
3	0.2740	36.52	9.72	46.24	61.00	-14.76	Peak	
4	0.6300	30.15	9.76	39.91	56.00	-16.09	Peak	
5	1.3099	25.63	9.80	35.43	56.00	-20.57	Peak	
6 *	11.0420	39.61	10.09	49.70	60.00	-10.30	Peak	
7	11.0420	29.40	10.09	39.49	50.00	-10.51	AVG	
8	21.3460	28.72	10.29	39.01	60.00	-20.99	Peak	

Test Mode: TX Mode(Adapter: PHITEK)

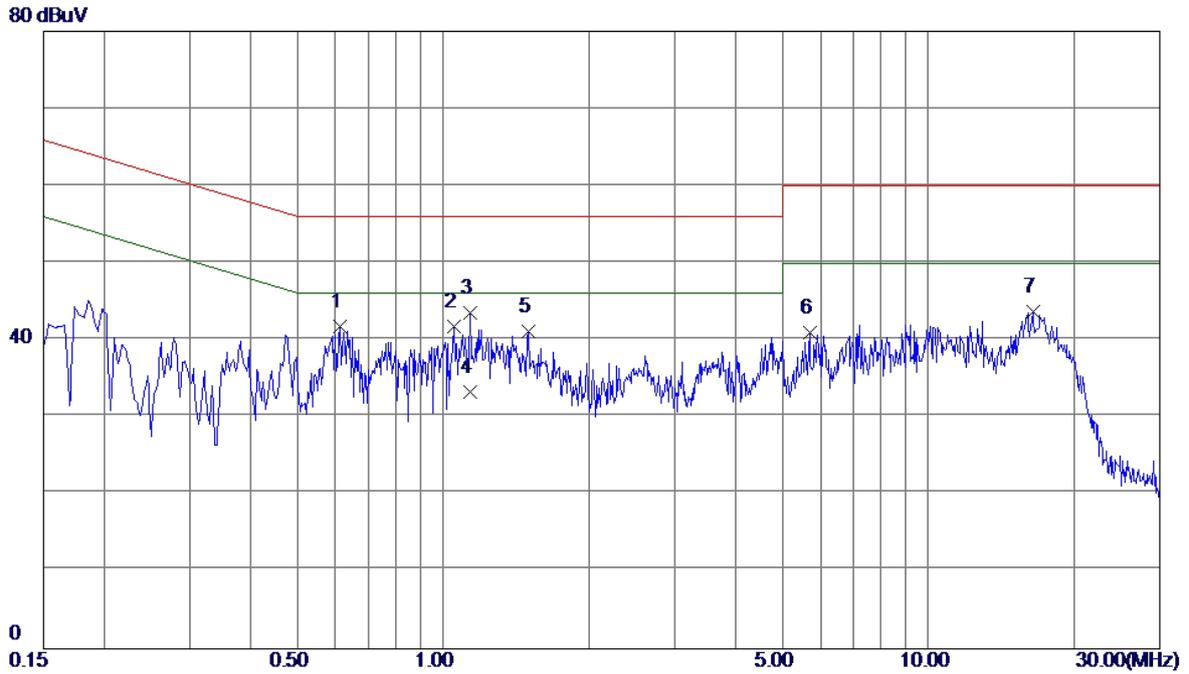
**Neutral**



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1819	40.92	9.65	50.57	64.40	-13.83	Peak	
2	0.1819	30.89	9.65	40.54	54.40	-13.86	AVG	
3	0.2819	35.74	9.64	45.38	60.76	-15.38	Peak	
4	0.5700	31.95	9.66	41.61	56.00	-14.39	Peak	
5	0.7539	32.20	9.66	41.86	56.00	-14.14	Peak	
6 *	11.0500	43.88	10.05	53.93	60.00	-6.07	Peak	
7	11.0500	29.10	10.05	39.15	50.00	-10.85	AVG	

Test Mode: TX Mode (Adapter: HUNTKEY)

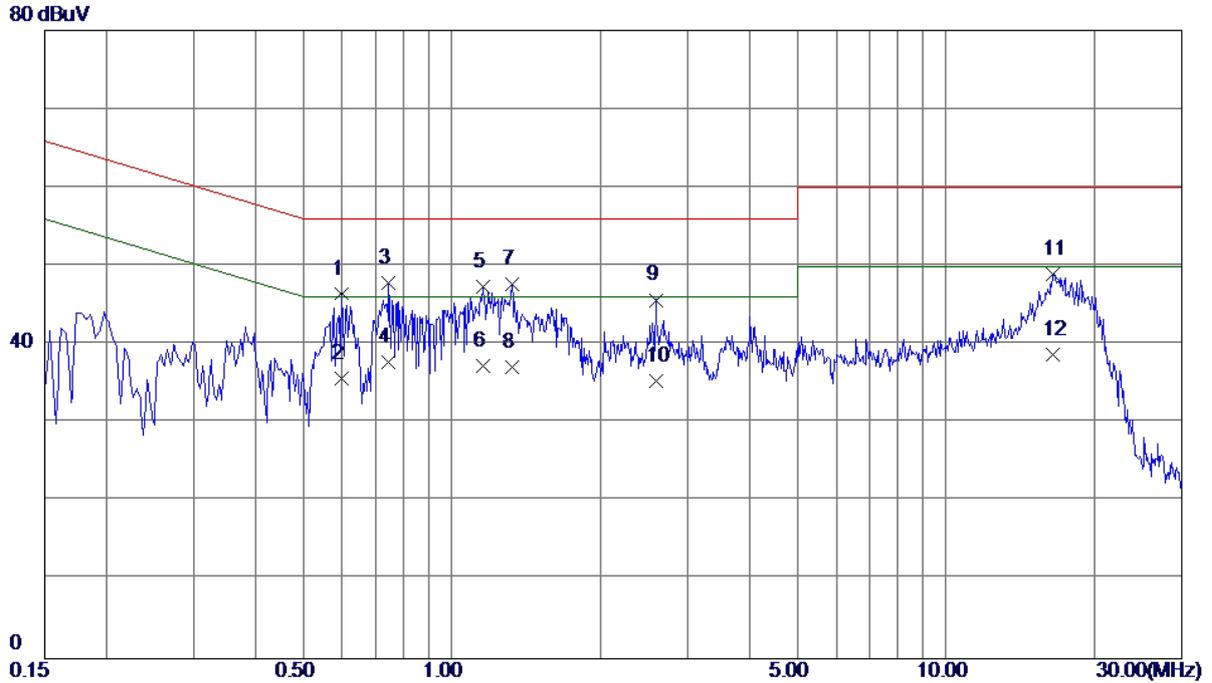
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.6140	31.99	9.76	41.75	56.00	-14.25	Peak	
2	1.0500	31.96	9.78	41.74	56.00	-14.26	Peak	
3 *	1.1380	33.74	9.79	43.53	56.00	-12.47	Peak	
4	1.1380	23.49	9.79	33.28	46.00	-12.72	AVG	
5	1.5020	31.38	9.81	41.19	56.00	-14.81	Peak	
6	5.7100	31.12	9.91	41.03	60.00	-18.97	Peak	
7	16.4580	33.41	10.26	43.67	60.00	-16.33	Peak	

Test Mode: TX Mode (Adapter: HUNTKEY)

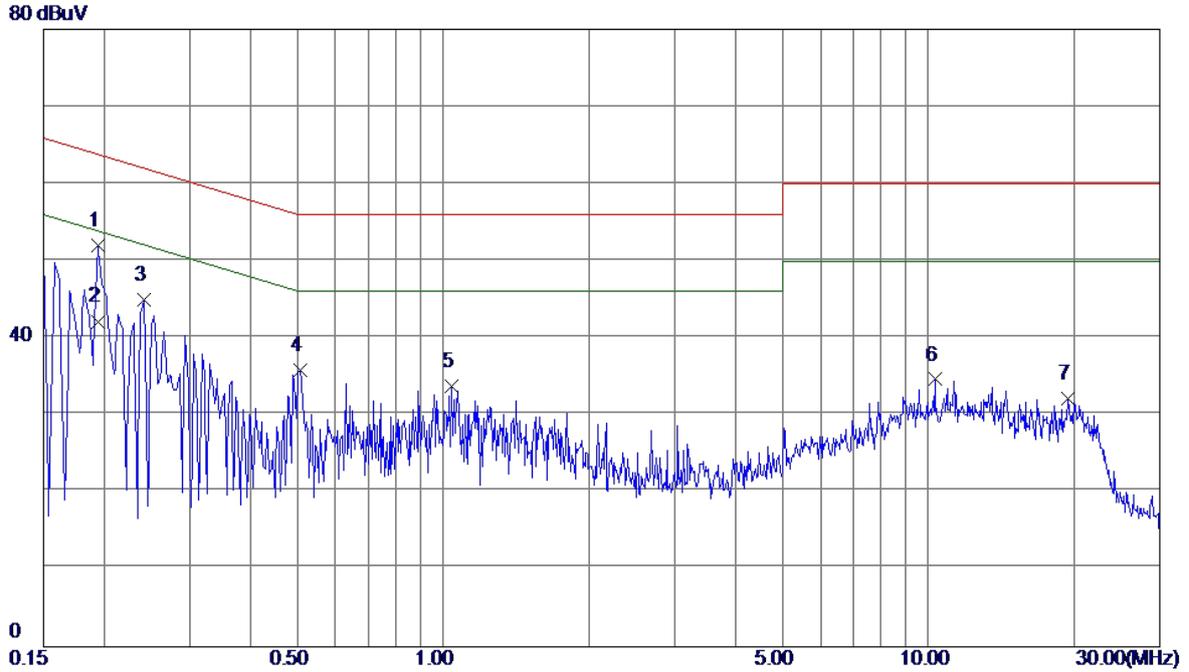
Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measurement dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.5980	36.82	9.66	46.48	56.00	-9.52	Peak	
2	0.5980	26.10	9.66	35.76	46.00	-10.24	AVG	
3 *	0.7460	38.15	9.66	47.81	56.00	-8.19	Peak	
4	0.7460	28.11	9.66	37.77	46.00	-8.23	AVG	
5	1.1580	37.66	9.68	47.34	56.00	-8.66	Peak	
6	1.1580	27.59	9.68	37.27	46.00	-8.73	AVG	
7	1.3220	37.98	9.68	47.66	56.00	-8.34	Peak	
8	1.3220	27.40	9.68	37.08	46.00	-8.92	AVG	
9	2.5900	35.94	9.74	45.68	56.00	-10.32	Peak	
10	2.5900	25.60	9.74	35.34	46.00	-10.66	AVG	
11	16.4780	38.66	10.31	48.97	60.00	-11.03	Peak	
12	16.4780	28.40	10.31	38.71	50.00	-11.29	AVG	

Test Mode: TX Mode (Adapter: BYD)

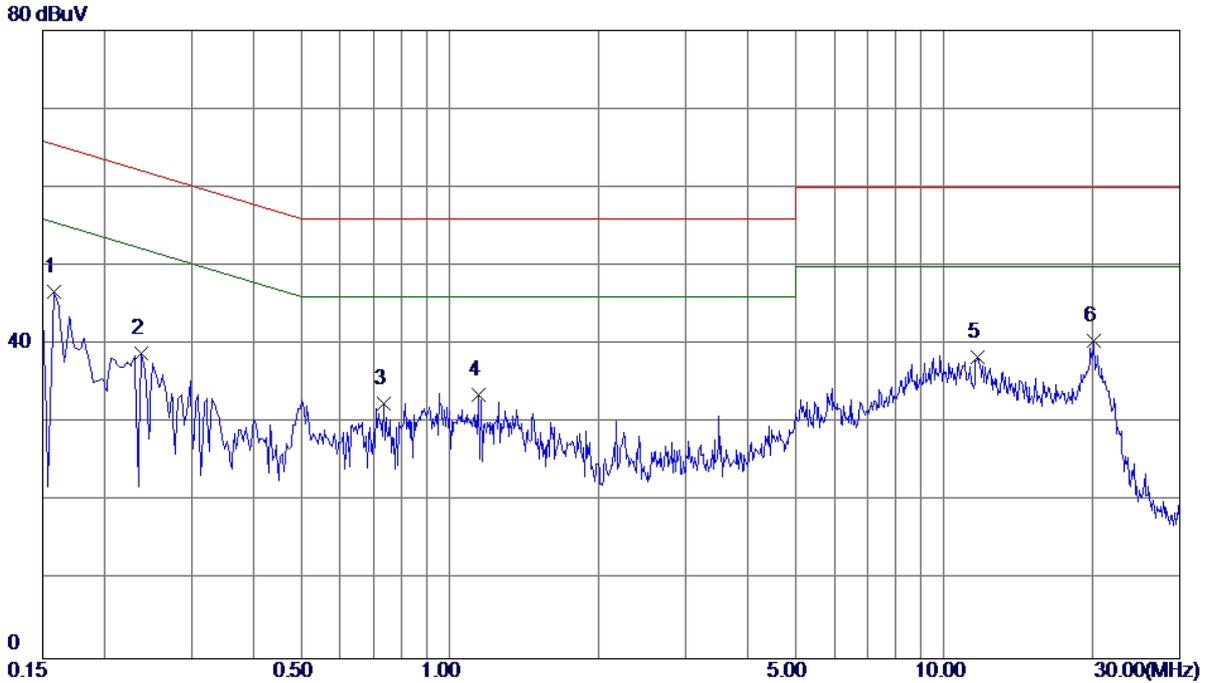
**Line**



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1940	42.20	9.73	51.93	63.86	-11.93	Peak	
2 *	0.1940	32.43	9.73	42.16	53.86	-11.70	AVG	
3	0.2420	35.20	9.73	44.93	62.03	-17.10	Peak	
4	0.5060	26.15	9.76	35.91	56.00	-20.09	Peak	
5	1.0380	24.00	9.77	33.77	56.00	-22.23	Peak	
6	10.3060	24.59	10.05	34.64	60.00	-25.36	Peak	
7	19.4340	21.89	10.26	32.15	60.00	-27.85	Peak	

Test Mode: TX Mode (Adapter: BYD)

**Neutral**



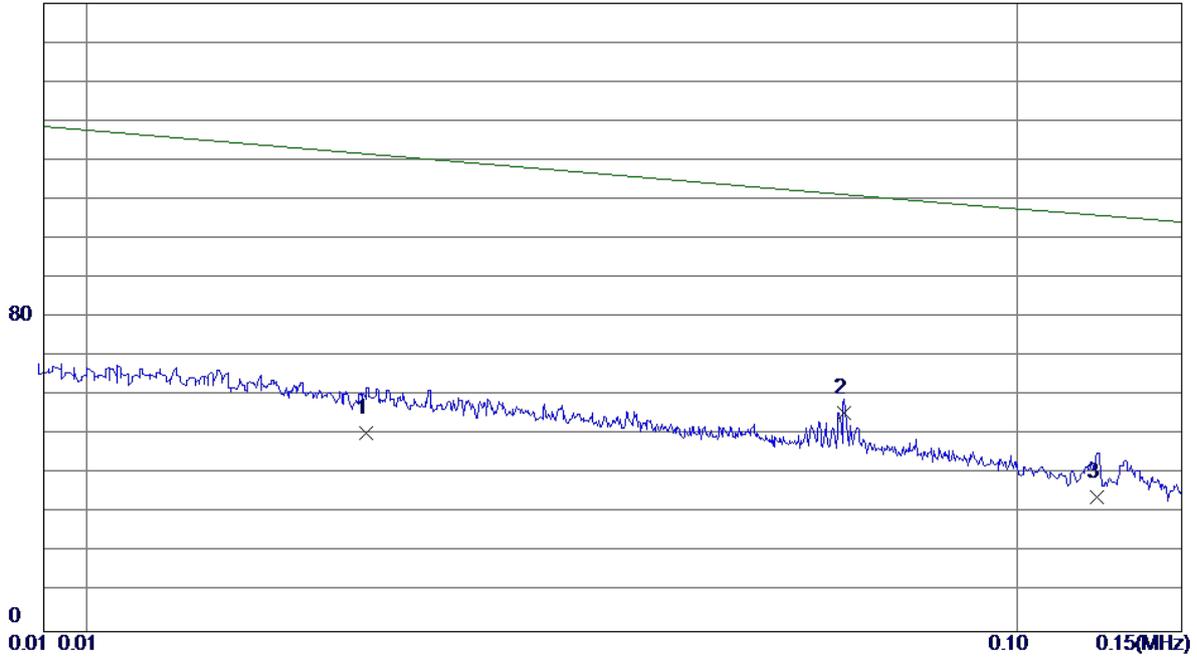
No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1580	37.01	9.64	46.65	65.57	-18.92	Peak	
2	0.2380	29.17	9.64	38.81	62.17	-23.36	Peak	
3	0.7340	22.87	9.66	32.53	56.00	-23.47	Peak	
4	1.1460	23.91	9.68	33.59	56.00	-22.41	Peak	
5	11.7260	28.34	10.09	38.43	60.00	-21.57	Peak	
6	20.0740	30.09	10.36	40.45	60.00	-19.55	Peak	

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

Test Mode: TX Mode(Adapter: PHITEK)

Ant 0°

160 dBuV/m

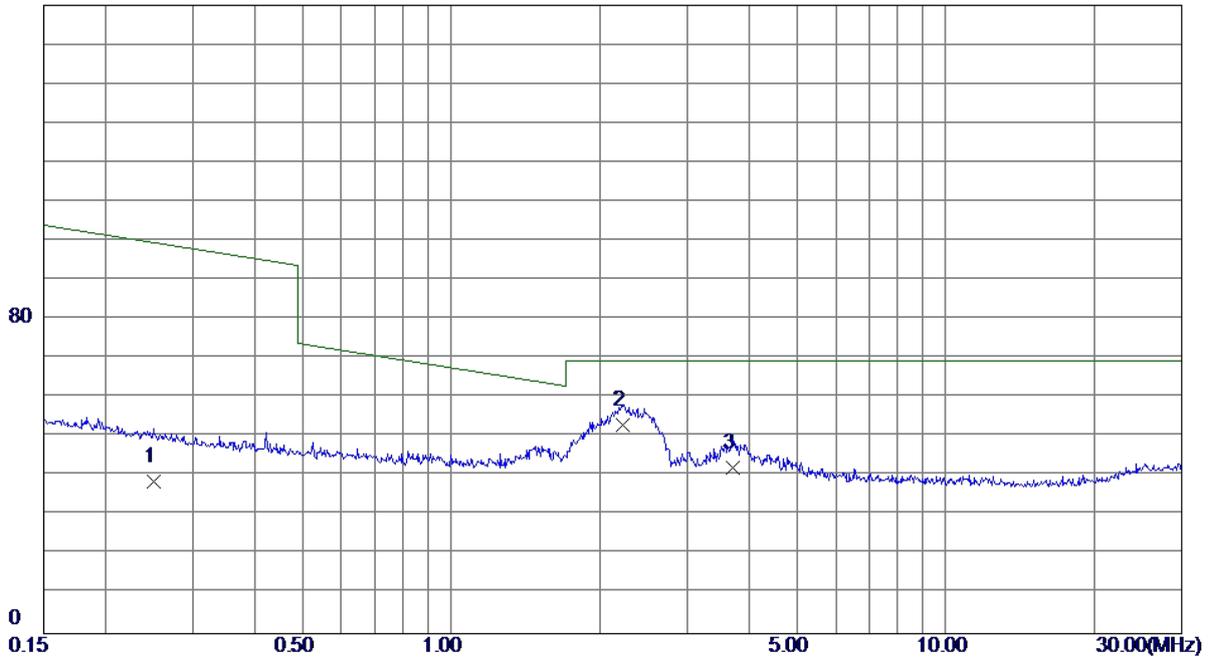


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0200	30.80	19.62	50.42	125.78	-75.36	AVG	
2 *	0.0652	37.31	18.42	55.73	114.62	-58.89	AVG	
3	0.1218	16.79	17.33	34.12	106.38	-72.26	AVG	

Test Mode: TX Mode(Adapter: PHITEK)

Ant 0°

160 dBuV/m

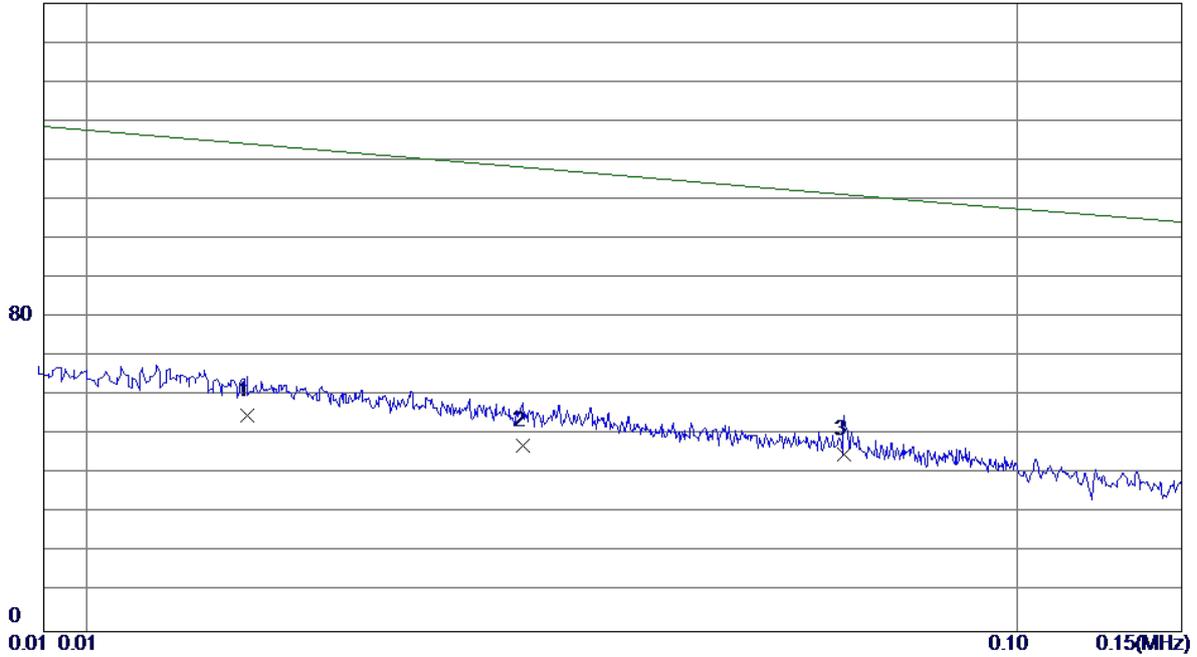


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2508	22.10	16.65	38.75	101.97	-63.22	AVG	
2 *	2.2249	37.70	15.44	53.14	69.54	-16.40	QP	
3	3.7198	27.30	15.03	42.33	69.54	-27.21	QP	

Test Mode: TX Mode(Adapter: PHITEK)

Ant 90°

160 dBuV/m

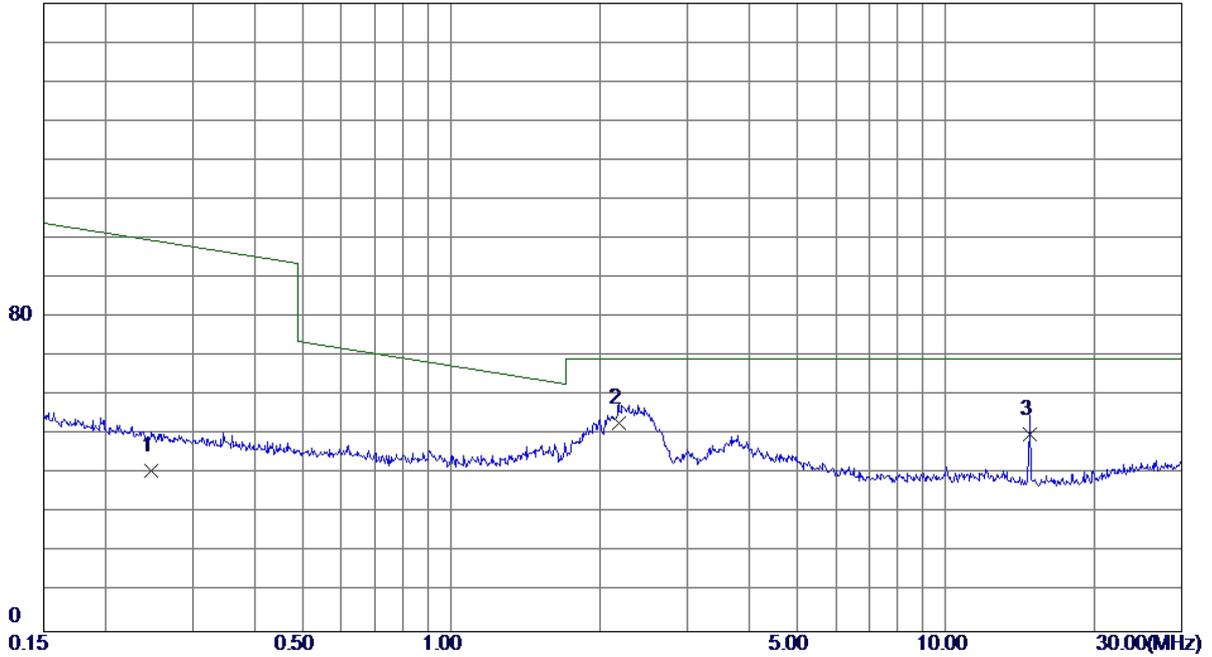


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0149	34.64	20.28	54.92	127.04	-72.12	AVG	
2	0.0294	28.03	19.34	47.37	123.46	-76.09	AVG	
3 *	0.0652	26.78	18.42	45.20	114.62	-69.42	AVG	

Test Mode: TX Mode(Adapter: PHITEK)

Ant 90°

160 dBuV/m

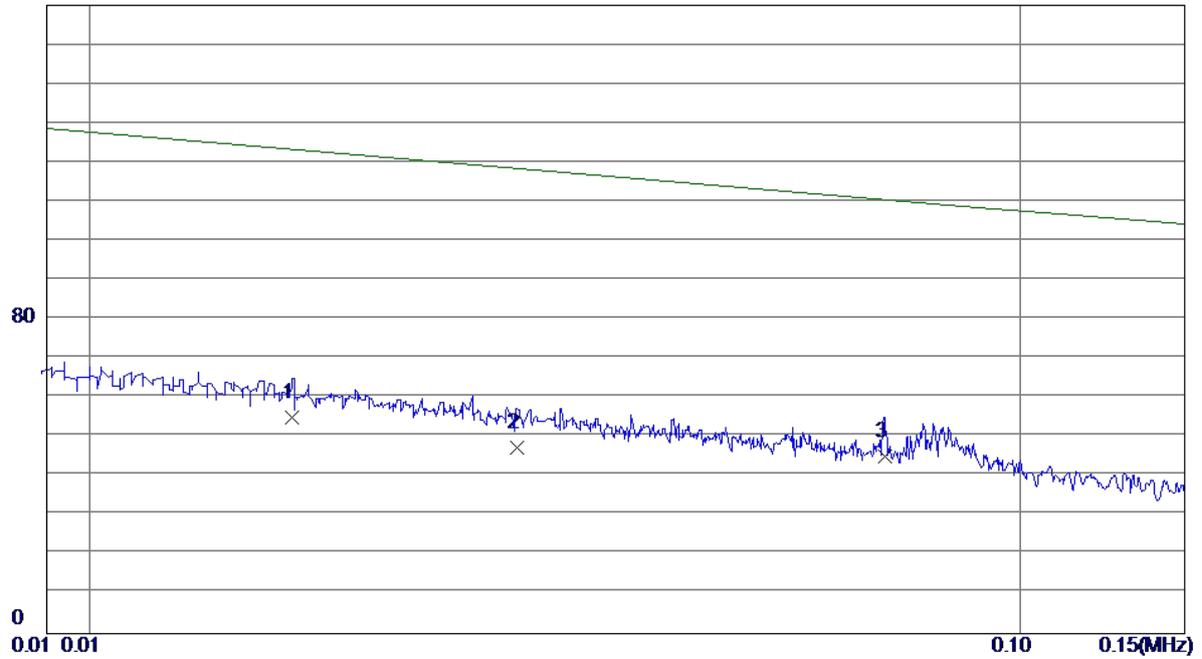


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2481	24.37	16.65	41.02	102.06	-61.04	AVG	
2 *	2.1783	37.73	15.46	53.19	69.54	-16.35	QP	
3	14.8281	36.10	14.08	50.18	69.54	-19.36	QP	

Test Mode: TX Mode (Adapter: HUNTKEY)

Ant 0°

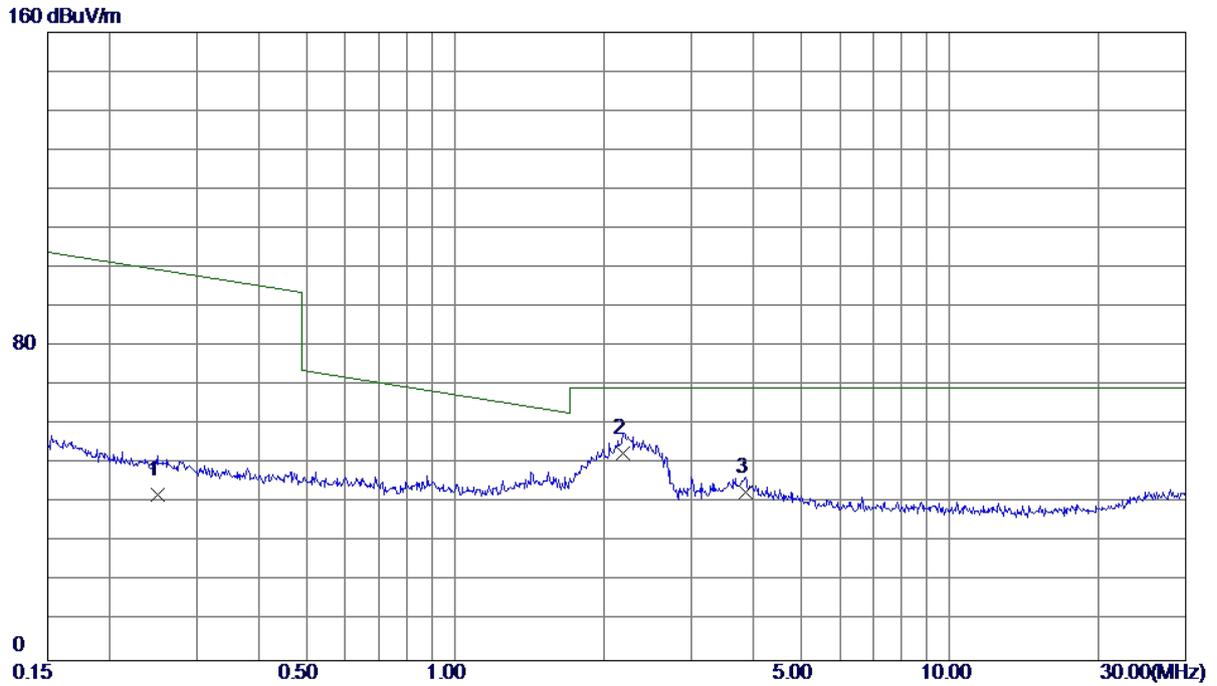
160 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0165	35.02	20.08	55.10	126.64	-71.54	AVG	
2	0.0288	27.98	19.36	47.34	123.61	-76.27	AVG	
3 *	0.0716	26.84	18.29	45.13	113.04	-67.91	AVG	

Test Mode: TX Mode (Adapter: HUNTKEY)

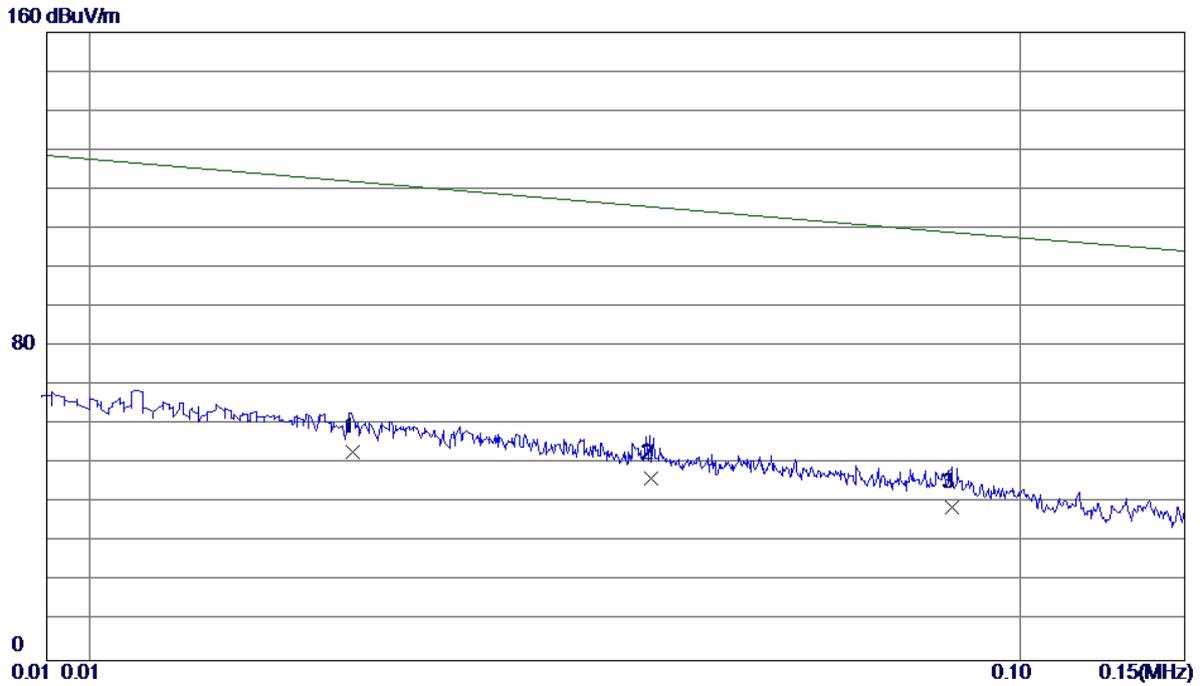
Ant 0°



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2508	25.48	16.65	42.13	101.97	-59.84	AVG	
2 *	2.1898	37.36	15.45	52.81	69.54	-16.73	QP	
3	3.8603	27.87	14.99	42.86	69.54	-26.68	QP	

Test Mode: TX Mode (Adapter: HUNTKEY)

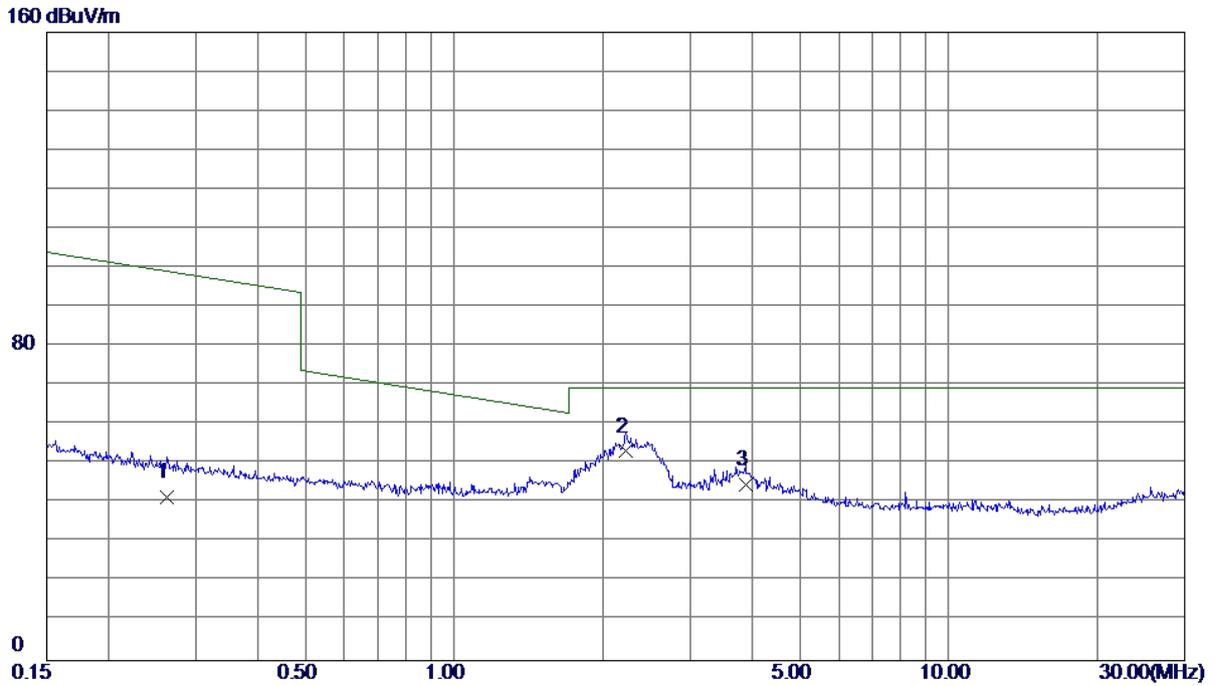
Ant 90°



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.0192	33.40	19.73	53.13	125.98	-72.85	AVG	
2	0.0401	27.41	19.02	46.43	120.82	-74.39	AVG	
3 *	0.0844	21.18	18.00	39.18	109.88	-70.70	AVG	

Test Mode: TX Mode (Adapter: HUNTKEY)

Ant 90°

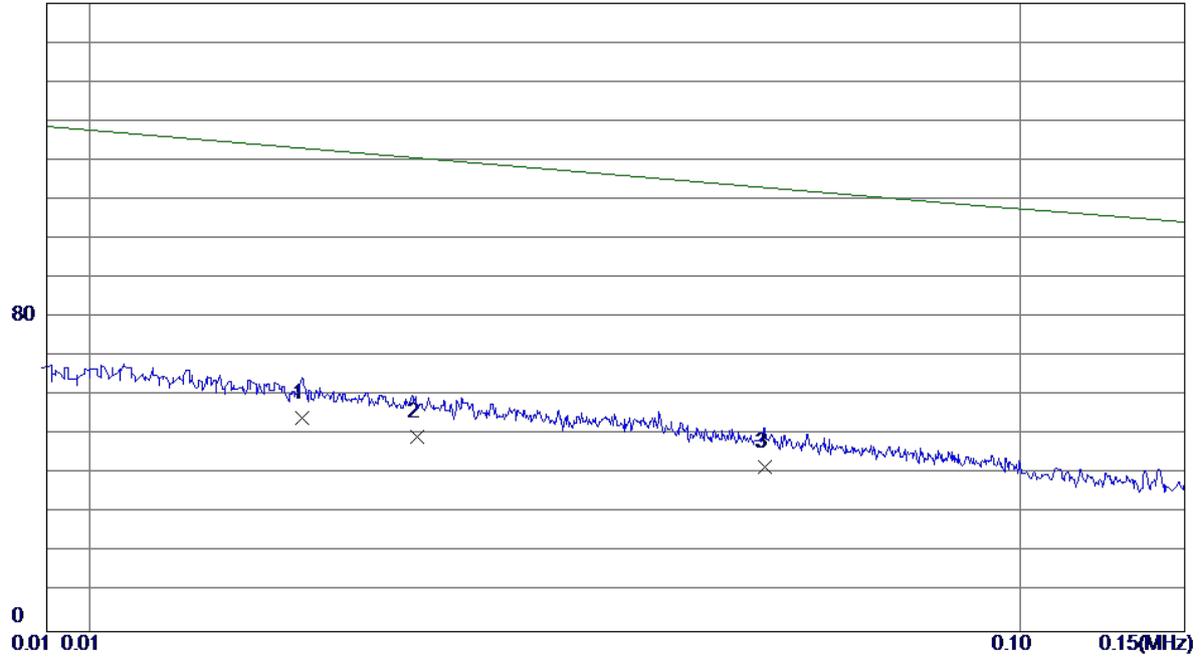


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2630	25.09	16.64	41.73	101.55	-59.82	AVG	
2 *	2.2250	37.84	15.44	53.28	69.54	-16.26	QP	
3	3.8808	29.90	14.99	44.89	69.54	-24.65	QP	

Test Mode: TX Mode (Adapter: BYD)

Ant 0°

160 dBuV/m

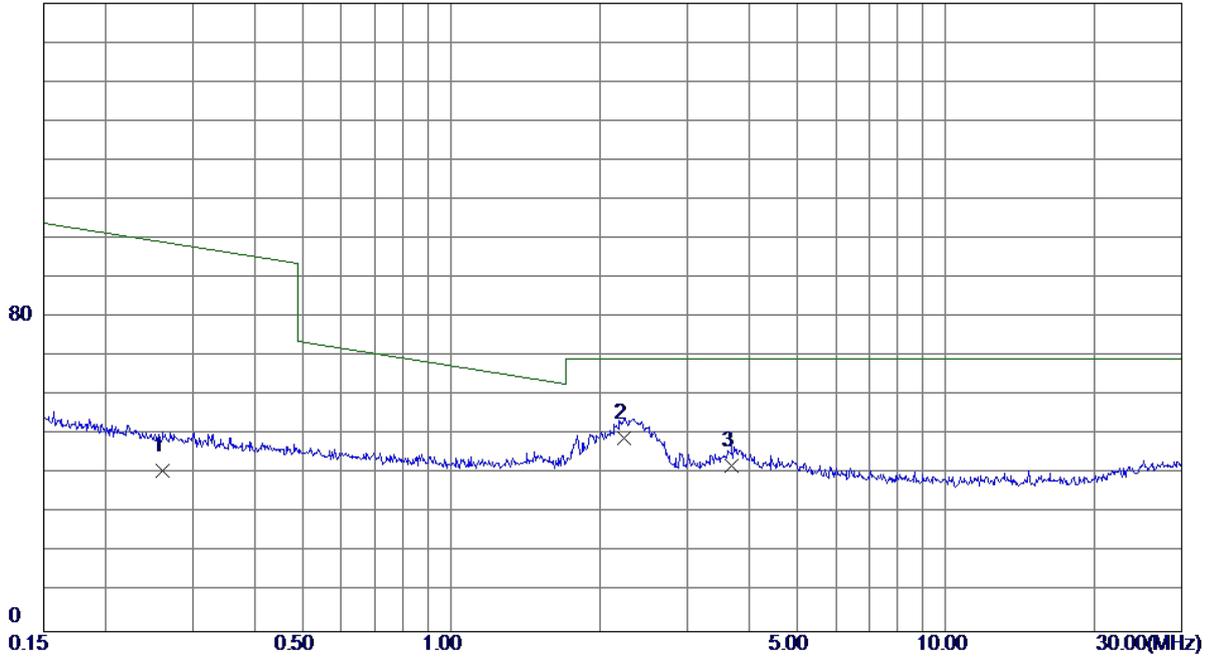


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	0.0169	34.53	20.02	54.55	126.54	-71.99	AVG	
2	0.0225	30.18	19.55	49.73	125.16	-75.43	AVG	
3	0.0531	23.18	18.66	41.84	117.61	-75.77	AVG	

Test Mode: TX Mode (Adapter: BYD)

Ant 0°

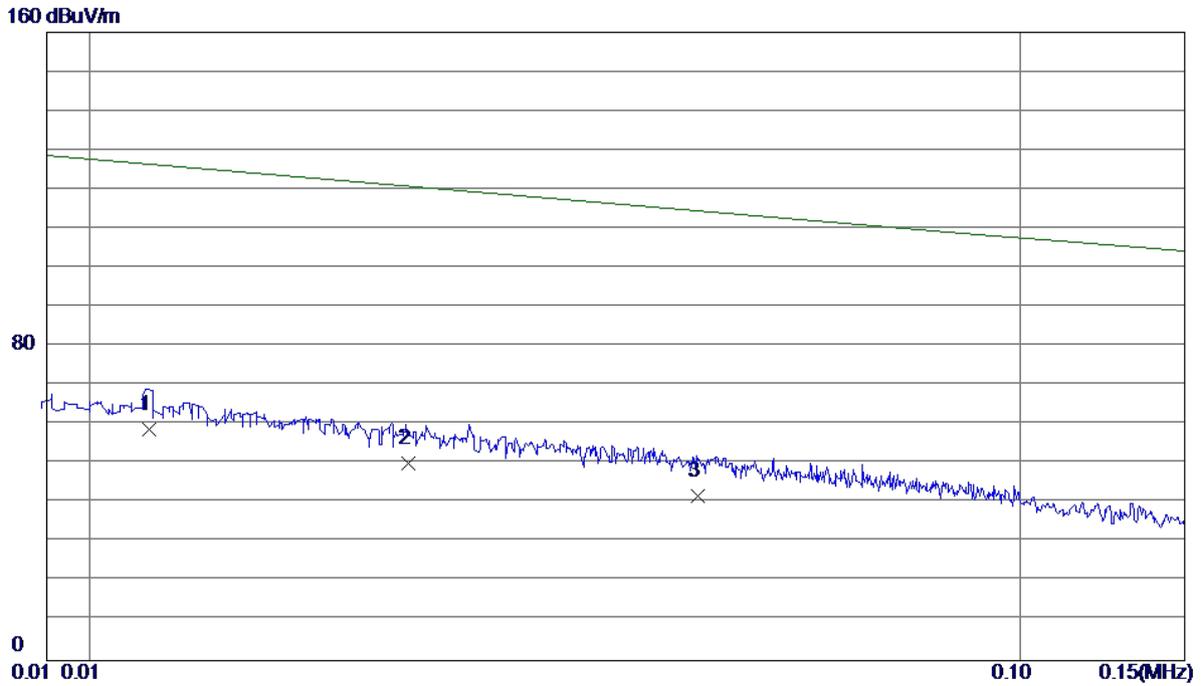
160 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2603	24.23	16.64	40.87	101.64	-60.77	AVG	
2 *	2.2367	33.93	15.44	49.37	69.54	-20.17	QP	
3	3.6806	27.26	15.04	42.30	69.54	-27.24	QP	

Test Mode: TX Mode (Adapter: BYD)

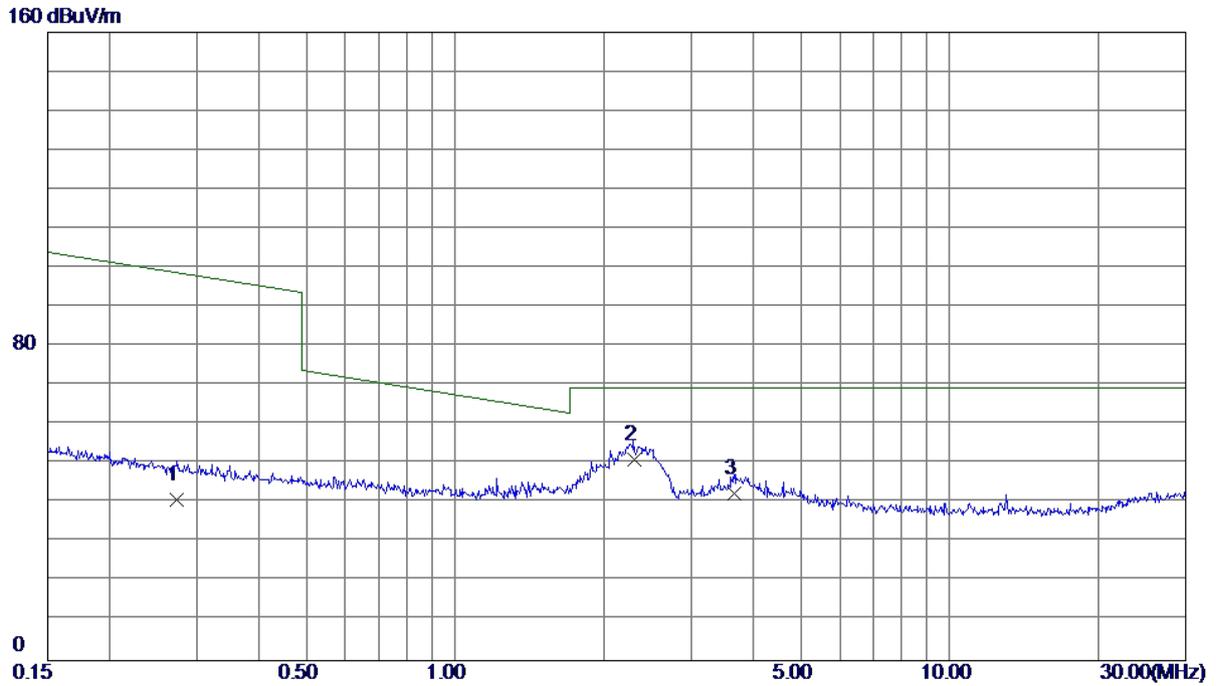
Ant 90°



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	0.0116	38.26	20.71	58.97	127.85	-68.88	AVG	
2	0.0220	30.55	19.56	50.11	125.29	-75.18	AVG	
3	0.0450	23.15	18.87	42.02	119.61	-77.59	AVG	

Test Mode: TX Mode (Adapter: BYD)

Ant 90°

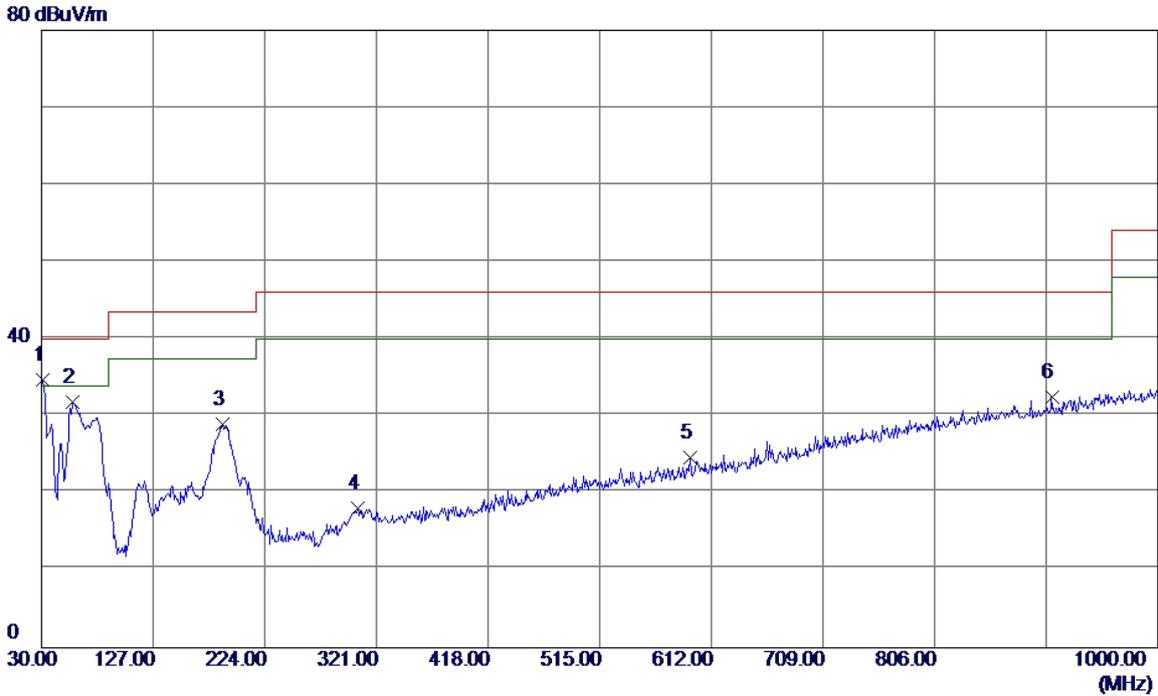


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.2730	24.40	16.63	41.03	101.21	-60.18	AVG	
2 *	2.2968	35.66	15.42	51.08	69.54	-18.46	QP	
3	3.6611	27.46	15.05	42.51	69.54	-27.03	QP	

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

Test Mode: TX 2402MHz \_CH00\_1Mbps(Adapter: PHITEK)

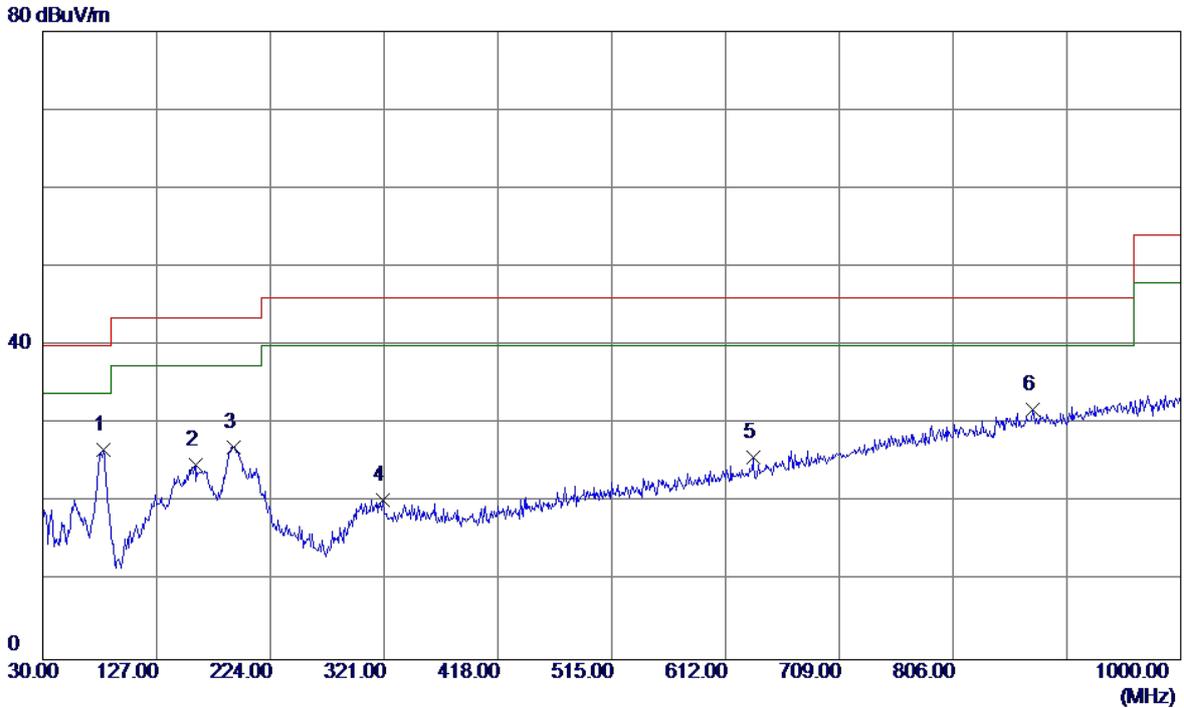
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	30.9700	49.71	-14.93	34.78	40.00	-5.22	Peak	
2	57.1600	45.64	-13.77	31.87	40.00	-8.13	Peak	
3	187.1400	41.17	-12.22	28.95	43.50	-14.55	Peak	
4	304.5100	30.29	-12.20	18.09	46.00	-27.91	Peak	
5	593.5700	30.29	-5.67	24.62	46.00	-21.38	Peak	
6	907.8500	30.11	2.37	32.48	46.00	-13.52	Peak	

Test Mode: TX 2402MHz \_CH00\_1Mbps(Adapter: PHITEK)

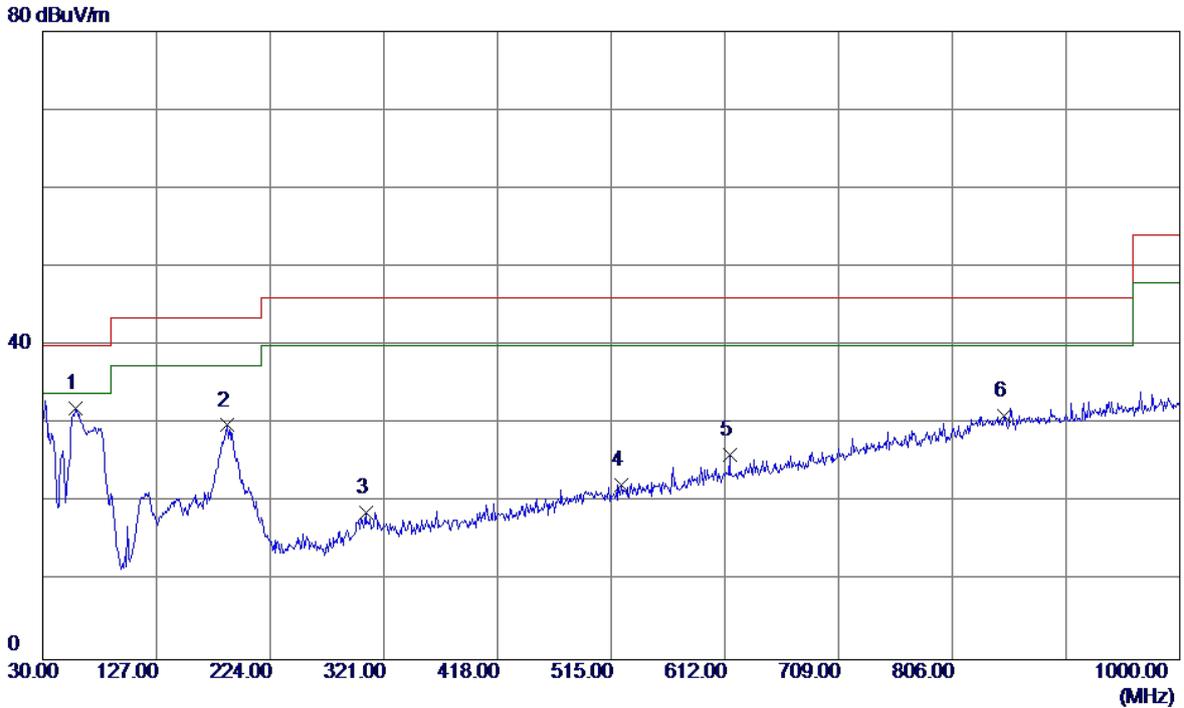
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	81.4100	44.73	-17.99	26.74	40.00	-13.26	Peak	
2	159.9800	37.36	-12.55	24.81	43.50	-18.69	Peak	
3	192.9600	39.80	-12.71	27.09	43.50	-16.41	Peak	
4	320.0300	32.21	-11.90	20.31	46.00	-25.69	Peak	
5	635.2800	30.49	-4.80	25.69	46.00	-20.31	Peak	
6	873.9000	30.18	1.64	31.82	46.00	-14.18	Peak	

Test Mode: TX 2480MHz \_CH78\_1Mbps (Adapter: PHITEK)

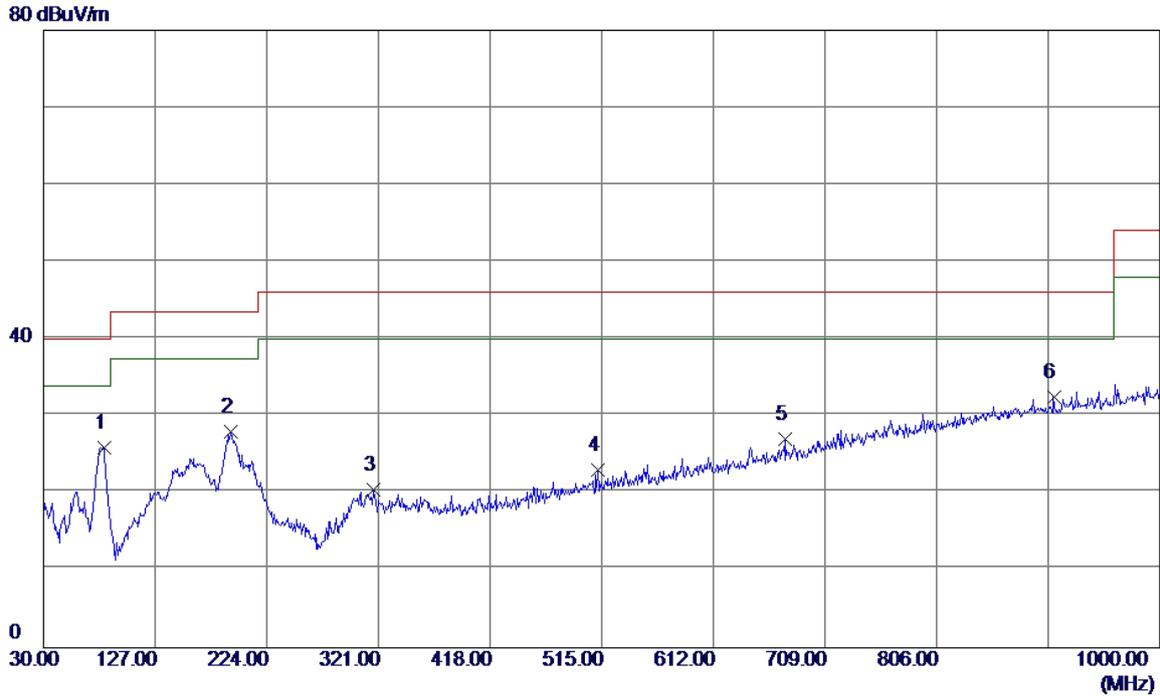
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	58.1300	45.87	-13.86	32.01	40.00	-7.99	Peak	
2	187.1400	42.06	-12.22	29.84	43.50	-13.66	Peak	
3	305.4800	30.88	-12.18	18.70	46.00	-27.30	Peak	
4	523.7300	29.72	-7.42	22.30	46.00	-23.70	Peak	
5	615.8800	31.32	-5.18	26.14	46.00	-19.86	Peak	
6	850.6200	29.90	1.13	31.03	46.00	-14.97	Peak	

Test Mode: TX 2480MHz \_CH78\_1Mbps (Adapter: PHITEK)

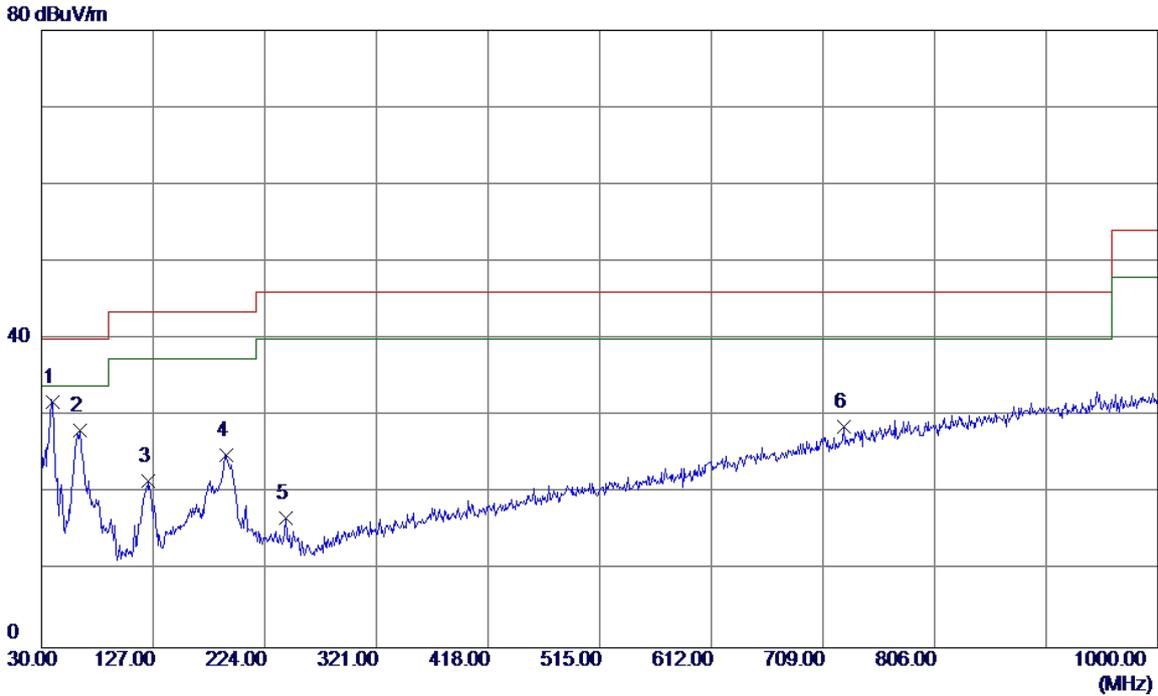
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	82.3800	43.98	-18.02	25.96	40.00	-14.04	Peak	
2	192.9600	40.73	-12.71	28.02	43.50	-15.48	Peak	
3	317.1200	32.48	-11.96	20.52	46.00	-25.48	Peak	
4	512.0900	30.76	-7.67	23.09	46.00	-22.91	Peak	
5	674.0800	30.75	-3.74	27.01	46.00	-18.99	Peak	
6 *	907.8500	30.05	2.37	32.42	46.00	-13.58	Peak	

Test Mode: TX 2402MHz\_CH00\_1Mbps (Adapter: HUNTKEY)

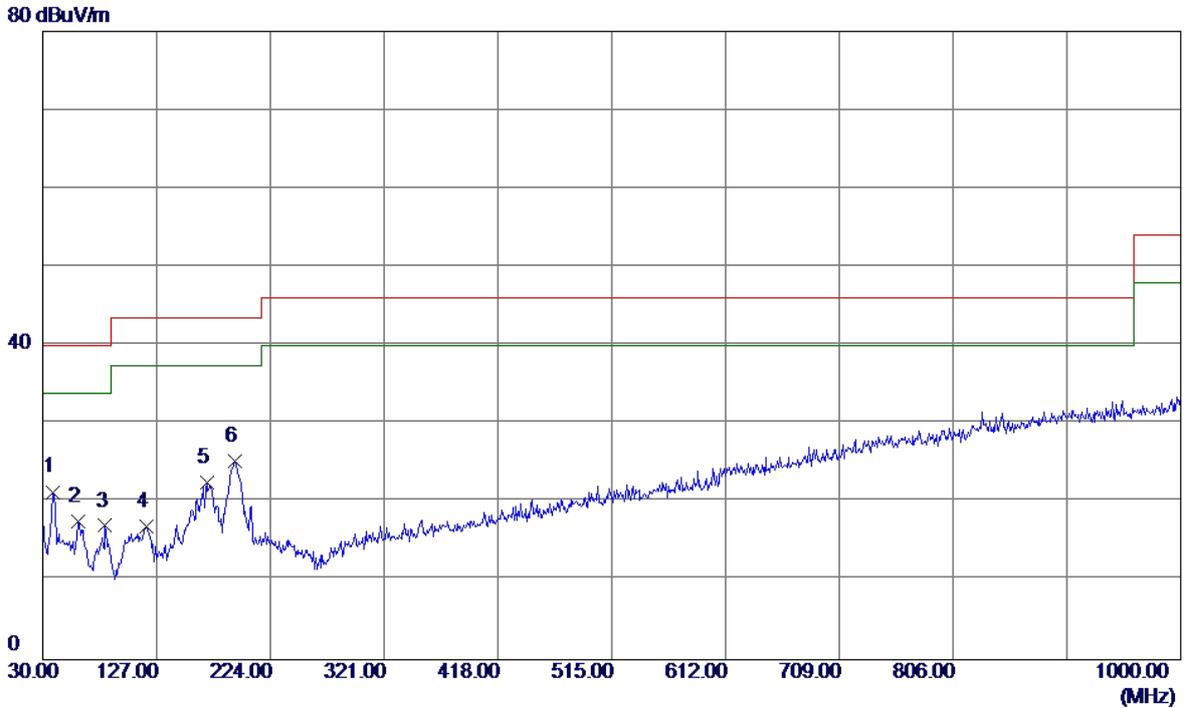
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	39.7000	45.64	-13.77	31.87	40.00	-8.13	Peak	
2	62.9800	42.66	-14.53	28.13	40.00	-11.87	Peak	
3	123.1200	36.43	-14.84	21.59	43.50	-21.91	Peak	
4	191.0200	37.53	-12.53	25.00	43.50	-18.50	Peak	
5	242.4300	30.83	-14.02	16.81	46.00	-29.19	Peak	
6	727.4300	30.66	-2.08	28.58	46.00	-17.42	Peak	

Test Mode: TX 2402MHz\_CH00\_1Mbps (Adapter: HUNTKEY)

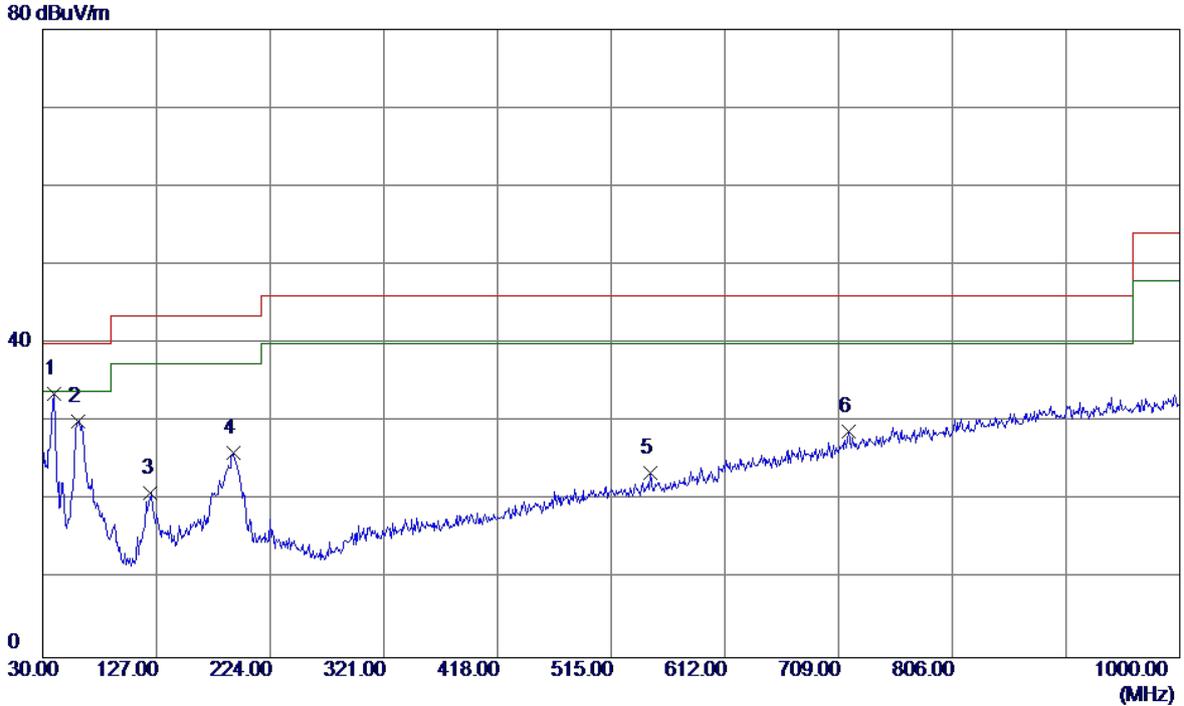
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	35.29	-13.93	21.36	40.00	-18.64	Peak	
2	60.0700	31.61	-14.04	17.57	40.00	-22.43	Peak	
3	83.3500	35.09	-18.05	17.04	40.00	-22.96	Peak	
4	118.2700	32.22	-15.20	17.02	43.50	-26.48	Peak	
5	169.6799	34.47	-11.97	22.50	43.50	-21.00	Peak	
6 *	193.9299	38.07	-12.80	25.27	43.50	-18.23	Peak	

Test Mode: TX 2480MHz\_CH78\_1Mbps (Adapter: HUNTKEY)

**Vertical**

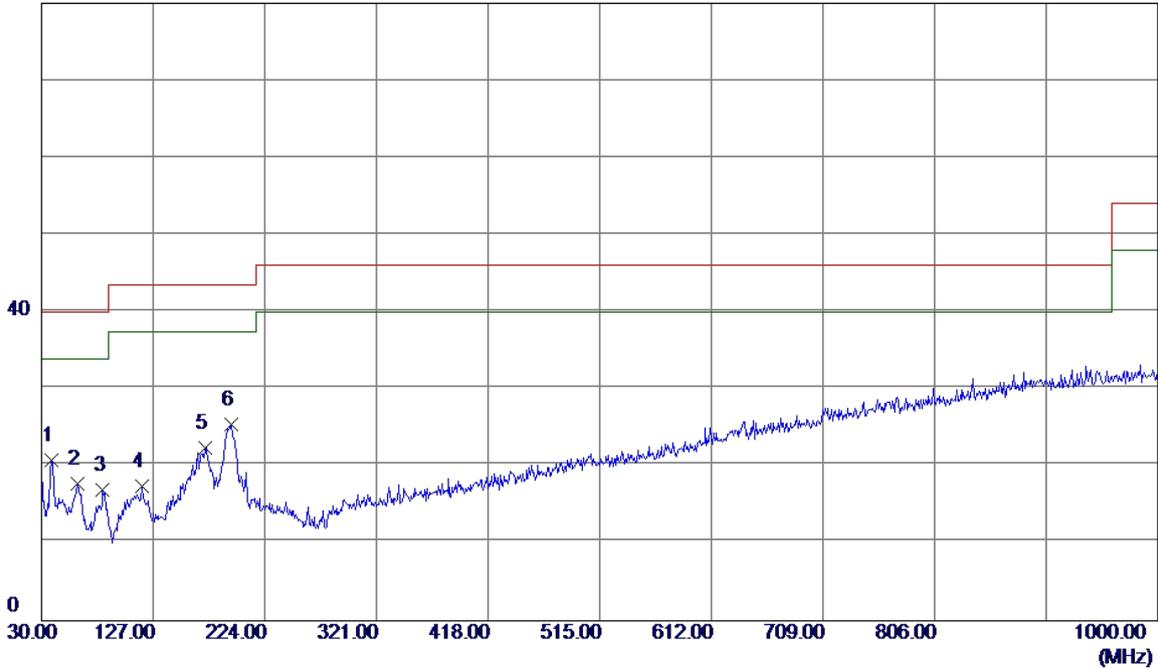


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	39.7000	47.35	-13.77	33.58	40.00	-6.42	Peak	
2	60.0700	44.14	-14.04	30.10	40.00	-9.90	Peak	
3	122.1500	35.86	-14.91	20.95	43.50	-22.55	Peak	
4	192.9600	38.74	-12.71	26.03	43.50	-17.47	Peak	
5	547.9800	30.41	-6.90	23.51	46.00	-22.49	Peak	
6	717.7300	31.15	-2.38	28.77	46.00	-17.23	Peak	

Test Mode: TX 2480MHz\_CH78\_1Mbps (Adapter: HUNTKEY)

### Horizontal

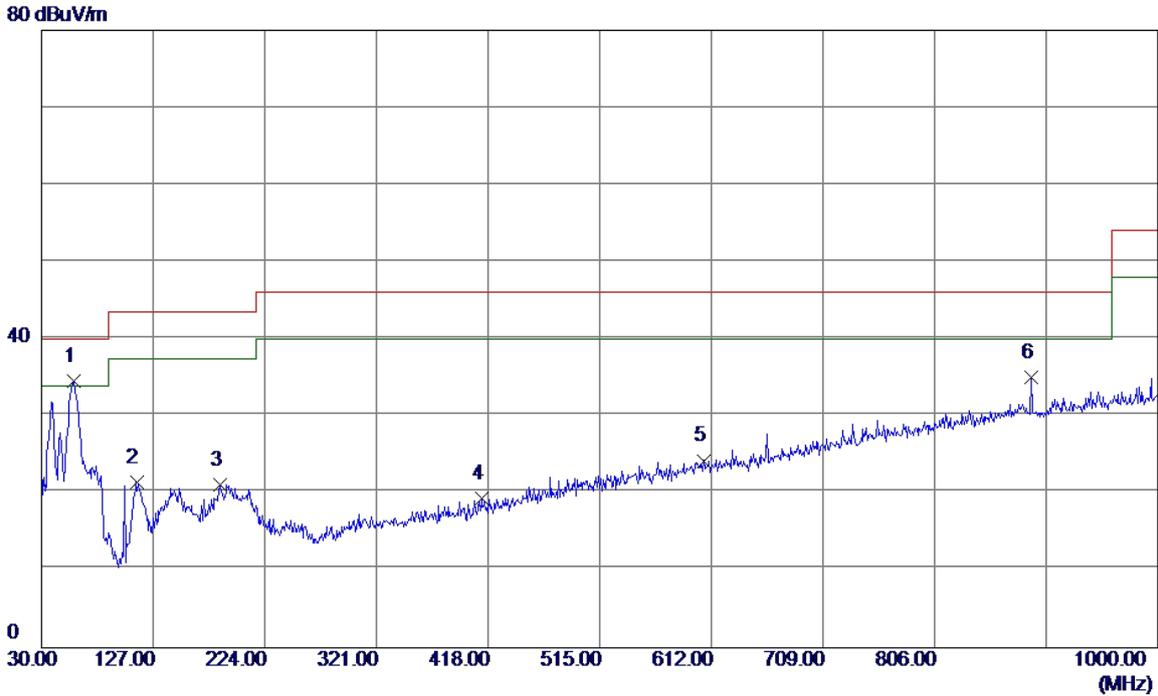
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	34.70	-13.93	20.77	40.00	-19.23	Peak	
2	61.0400	31.90	-14.20	17.70	40.00	-22.30	Peak	
3	83.3500	34.96	-18.05	16.91	40.00	-23.09	Peak	
4	117.3000	32.67	-15.27	17.40	43.50	-26.10	Peak	
5	172.5900	34.33	-11.87	22.46	43.50	-21.04	Peak	
6 *	194.9000	38.29	-12.88	25.41	43.50	-18.09	Peak	

Test Mode: TX 2402MHz\_CH00\_1Mbps (Adapter: BYD)

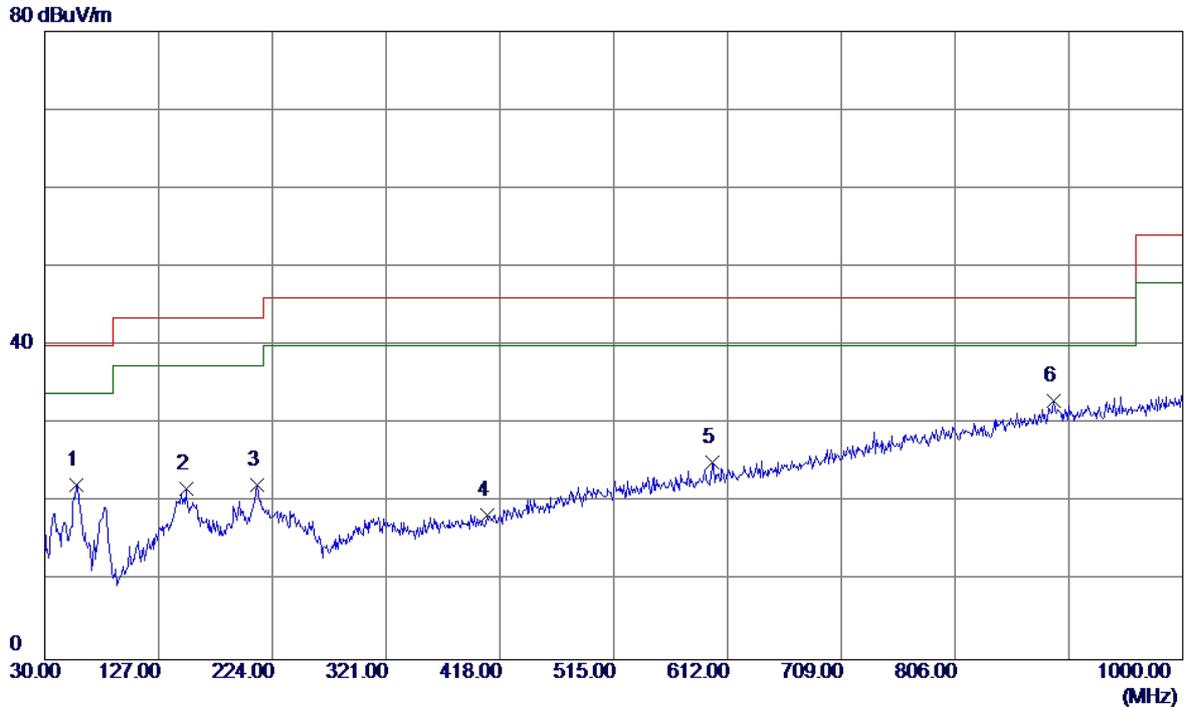
**Vertical**



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	58.1300	48.46	-13.86	34.60	40.00	-5.40	Peak	
2	112.4500	37.06	-15.66	21.40	43.50	-22.10	Peak	
3	185.2000	33.22	-12.06	21.16	43.50	-22.34	Peak	
4	412.1800	29.66	-10.34	19.32	46.00	-26.68	Peak	
5	605.2100	29.63	-5.39	24.24	46.00	-21.76	Peak	
6	890.3900	33.03	2.00	35.03	46.00	-10.97	Peak	

Test Mode: TX 2402MHz\_CH00\_1Mbps (Adapter: BYD)

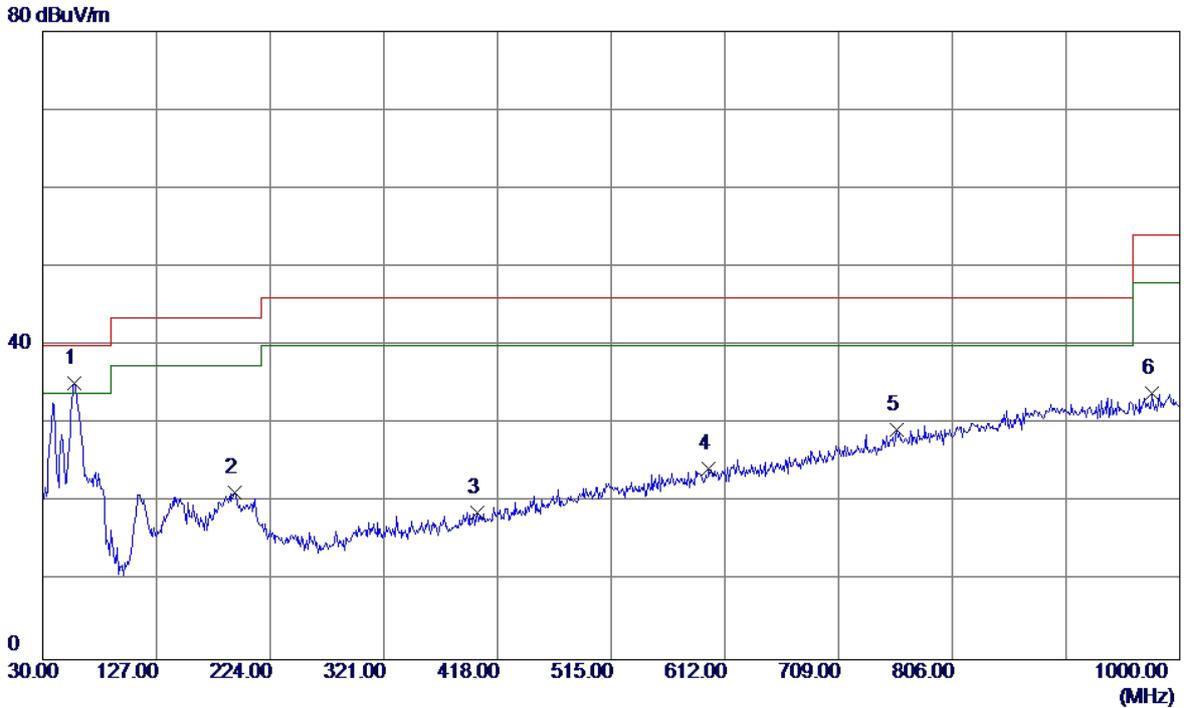
### Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	57.1600	36.07	-13.77	22.30	40.00	-17.70	Peak	
2	150.2800	34.95	-13.14	21.81	43.50	-21.69	Peak	
3	211.3900	35.82	-13.54	22.28	43.50	-21.22	Peak	
4	407.3299	28.91	-10.48	18.43	46.00	-27.57	Peak	
5	599.3900	30.56	-5.51	25.05	46.00	-20.95	Peak	
6 *	890.3900	30.93	2.00	32.93	46.00	-13.07	Peak	

Test Mode: TX 2480MHz\_CH78\_1Mbps (Adapter: BYD)

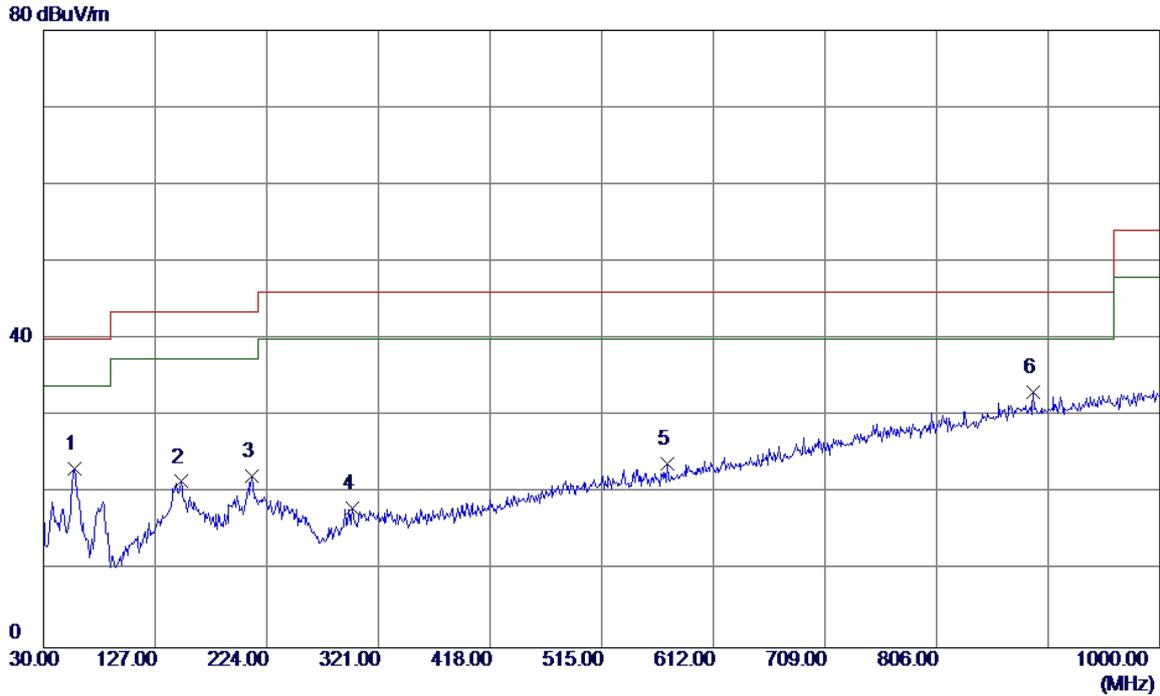
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	57.1600	48.94	-13.77	35.17	40.00	-4.83	Peak	
2	193.9299	34.06	-12.80	21.26	43.50	-22.24	Peak	
3	400.5400	29.43	-10.68	18.75	46.00	-27.25	Peak	
4	598.4200	29.88	-5.53	24.35	46.00	-21.65	Peak	
5	758.4699	30.55	-1.20	29.35	46.00	-16.65	Peak	
6	976.7200	30.19	3.74	33.93	54.00	-20.07	Peak	

Test Mode: TX 2480MHz\_CH78\_1Mbps (Adapter: BYD)

### Horizontal



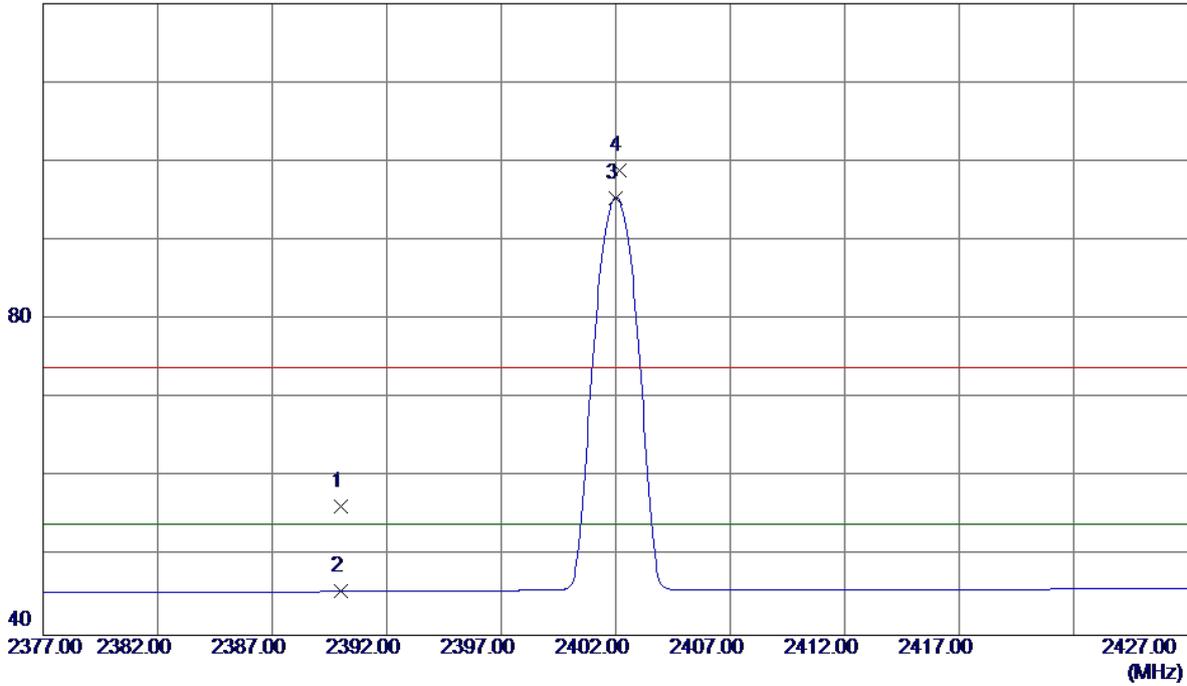
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	57.1600	36.93	-13.77	23.16	40.00	-16.84	Peak	
2	149.3100	34.72	-13.20	21.52	43.50	-21.98	Peak	
3	211.3900	35.75	-13.54	22.21	43.50	-21.29	Peak	
4	298.6900	30.60	-12.46	18.14	46.00	-27.86	Peak	
5	572.2300	30.15	-6.25	23.90	46.00	-22.10	Peak	
6 *	890.3900	31.13	2.00	33.13	46.00	-12.87	Peak	

## ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Vertical**

120 dBuV/m

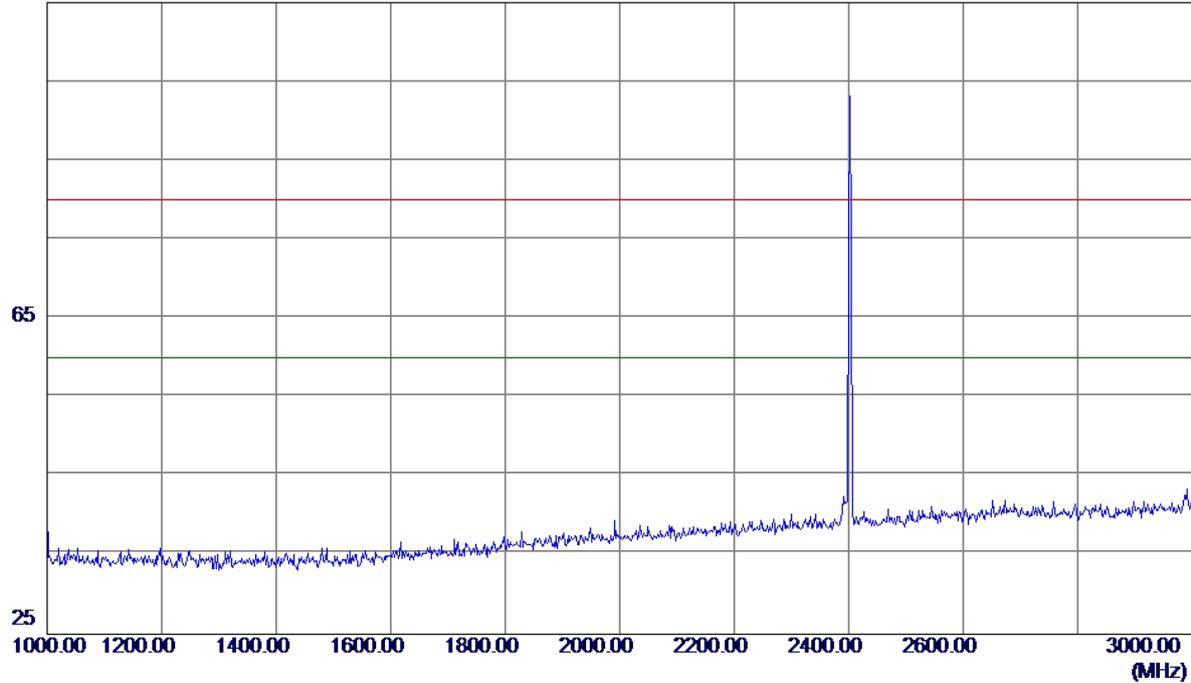


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.90	32.38	56.28	74.00	-17.72	Peak	
2	2390.0000	13.17	32.38	45.55	54.00	-8.45	AVG	
3 *	2402.0000	62.98	32.42	95.40	54.00	41.40	AVG	No Limit
4	2402.1500	66.41	32.42	98.83	74.00	24.83	Peak	No Limit

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Vertical**

105 dBuV/m

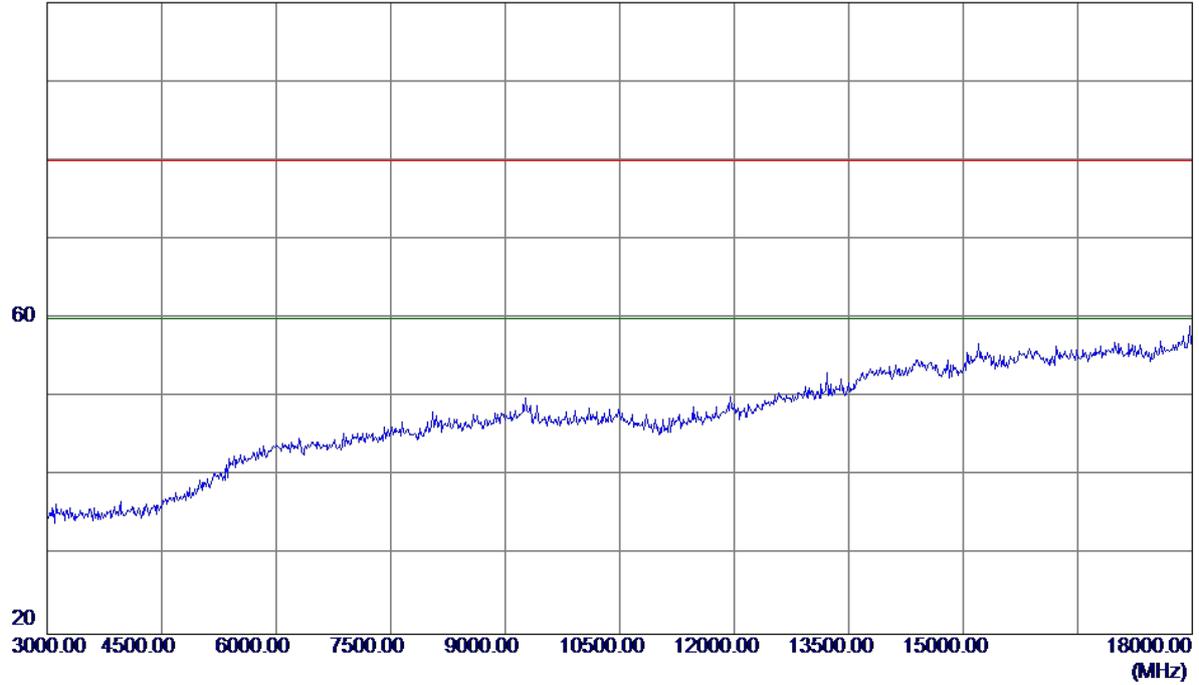


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2402	105		105	105	0		

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Vertical**

100 dBuV/m



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

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Vertical**

100 dBuV/m

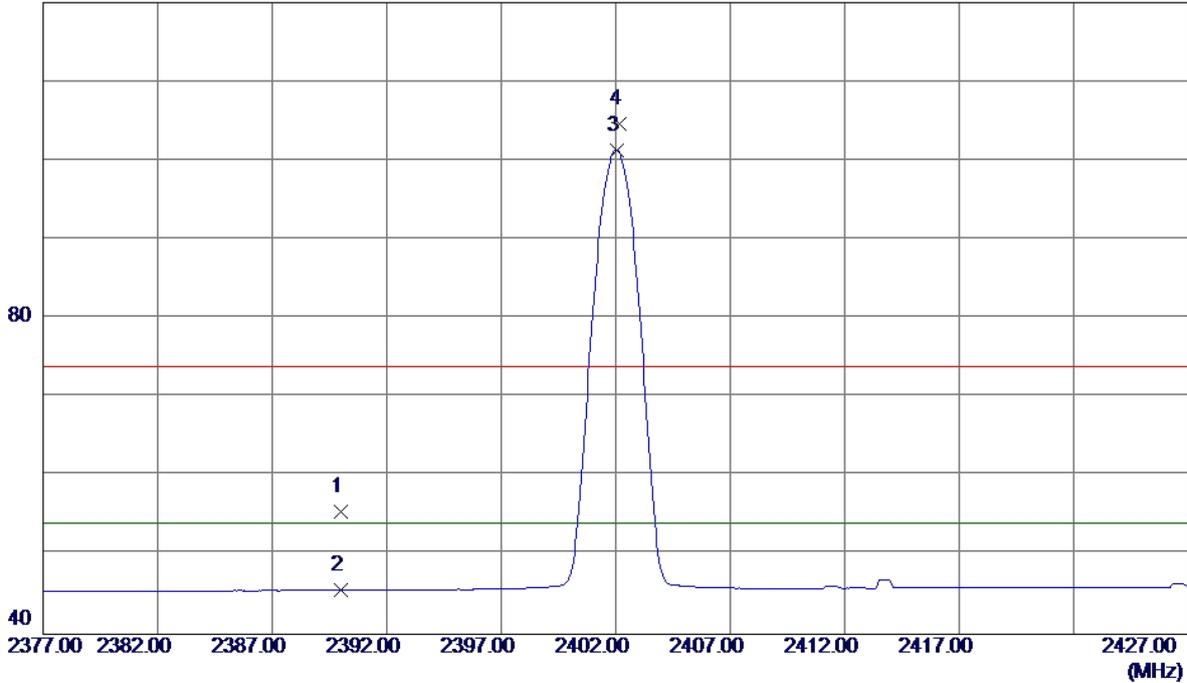


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Horizontal**

120 dBuV/m

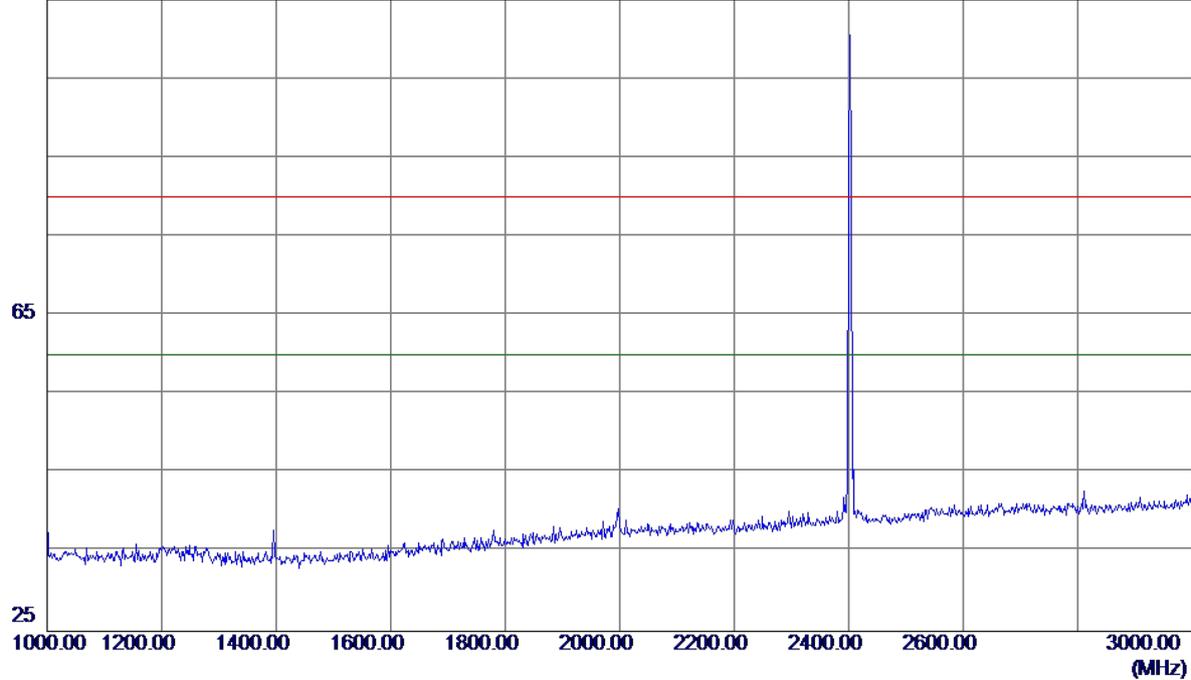


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.09	32.38	55.47	74.00	-18.53	Peak	
2	2390.0000	13.19	32.38	45.57	54.00	-8.43	AVG	
3 *	2402.0500	68.87	32.42	101.29	54.00	47.29	AVG	No Limit
4	2402.1500	72.23	32.42	104.65	74.00	30.65	Peak	No Limit

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Horizontal**

105 dBuV/m

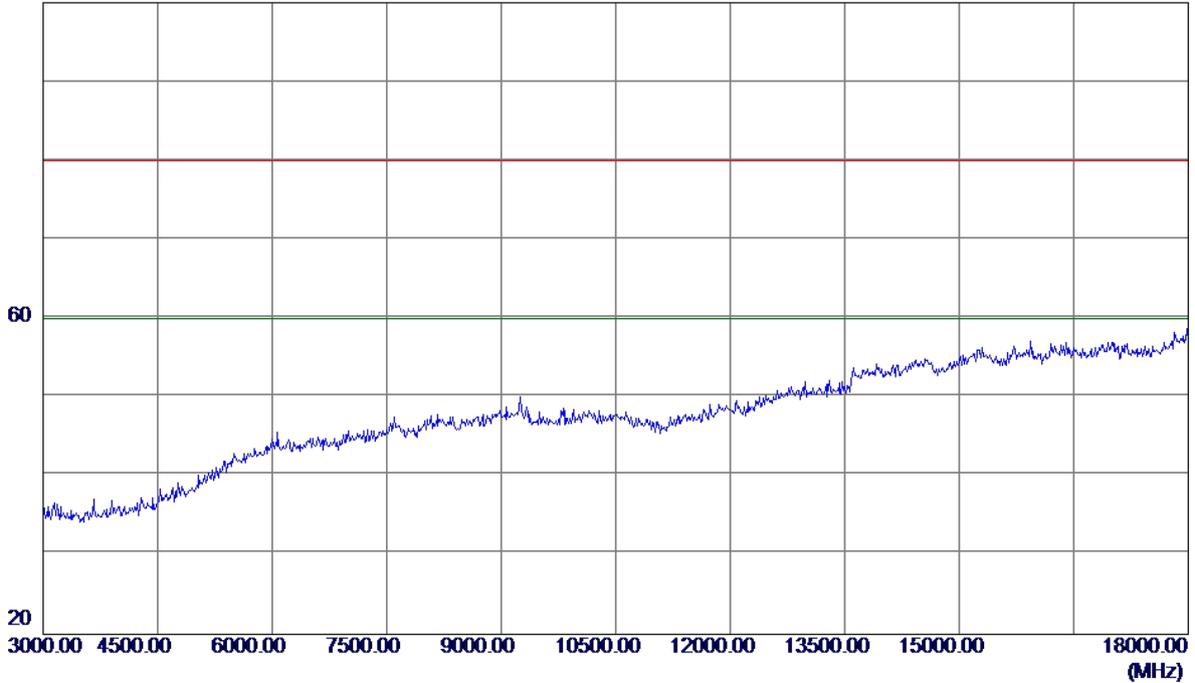


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
	2402	105		105	75	30		

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Horizontal**

100 dBuV/m



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

Test Mode : TX 2402MHz \_CH00\_1Mbps

**Horizontal**

100 dBuV/m

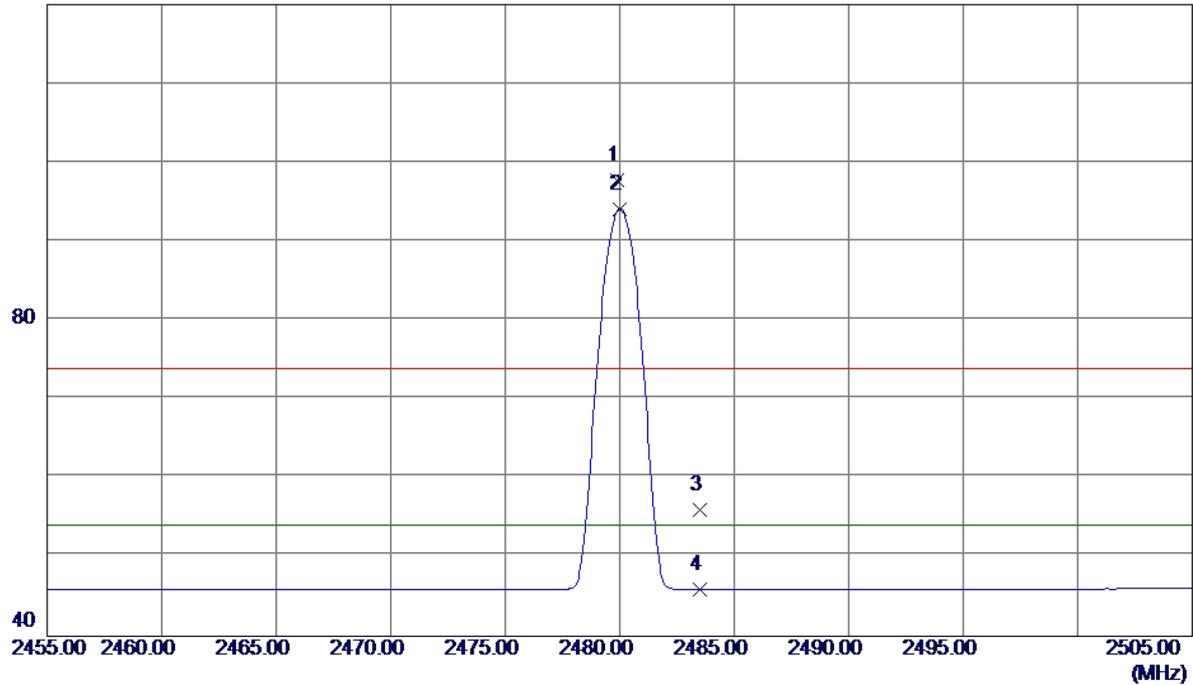


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2480MHz \_CH78\_1Mbps

**Vertical**

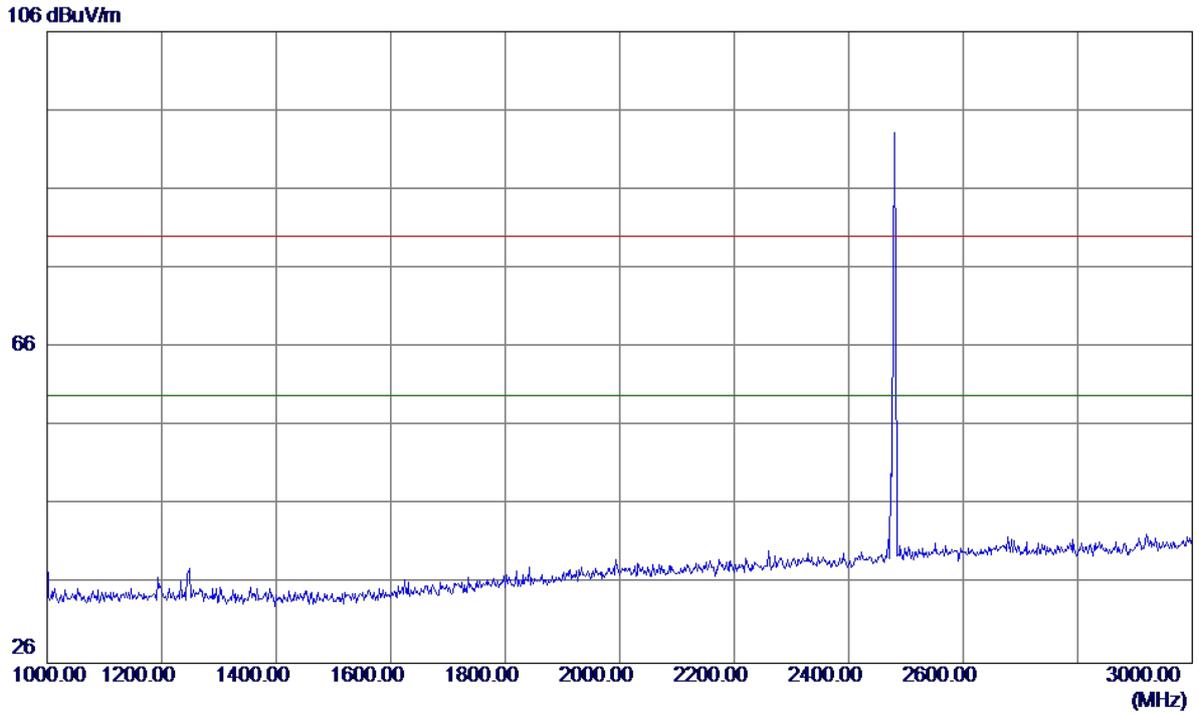
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2479.9000	64.98	32.70	97.68	74.00	23.68	Peak	No Limit
2 *	2480.0000	61.43	32.70	94.13	54.00	40.13	AVG	No Limit
3	2483.5000	23.36	32.71	56.07	74.00	-17.93	Peak	
4	2483.5000	13.20	32.71	45.91	54.00	-8.09	AVG	

Test Mode : TX 2480MHz \_CH78\_1Mbps

Vertical

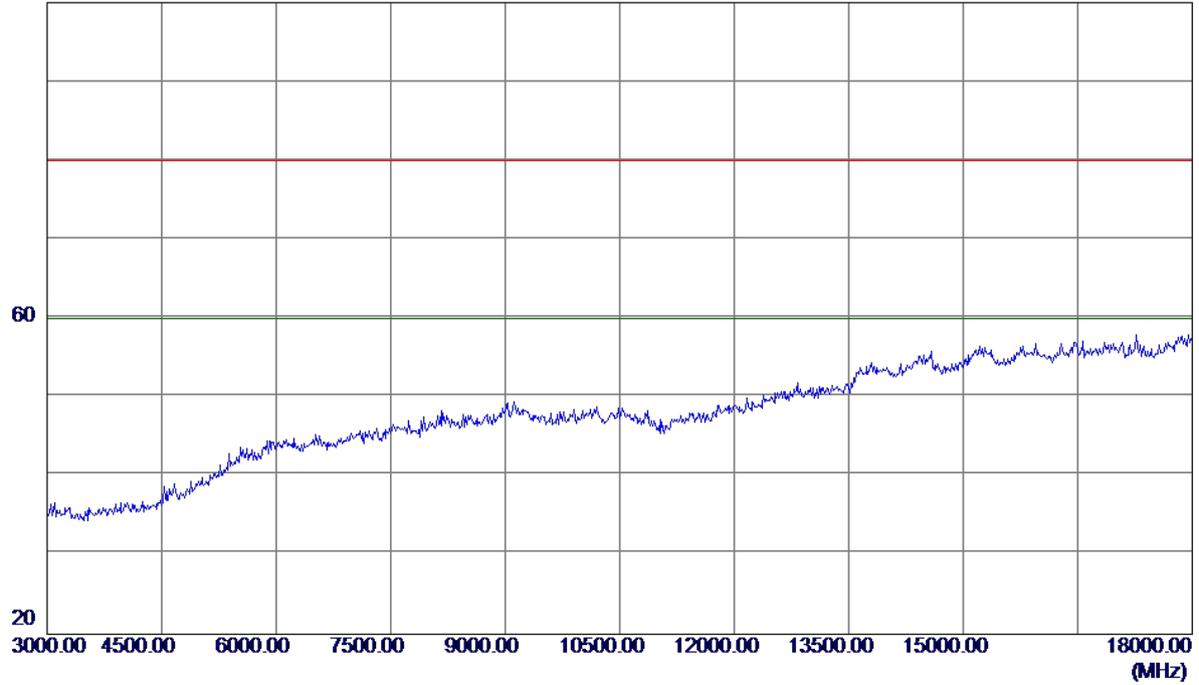


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode : TX 2480MHz \_CH78\_1Mbps

**Vertical**

100 dBuV/m

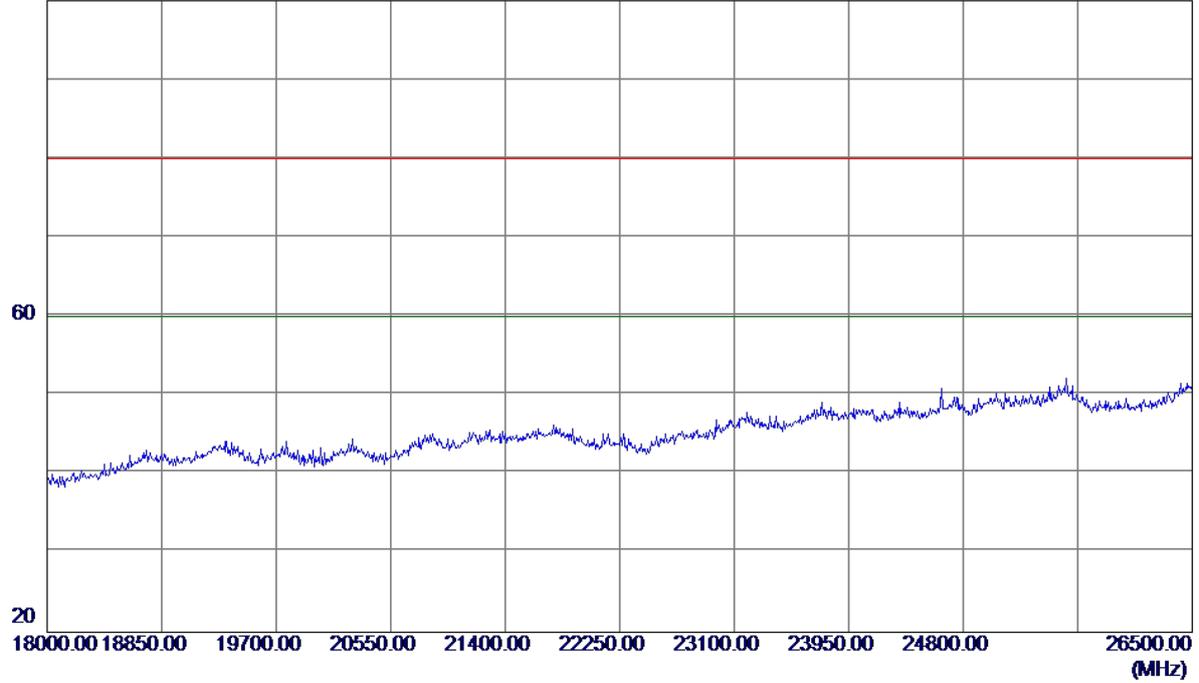


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2480MHz \_CH78\_1Mbps

**Vertical**

100 dBuV/m

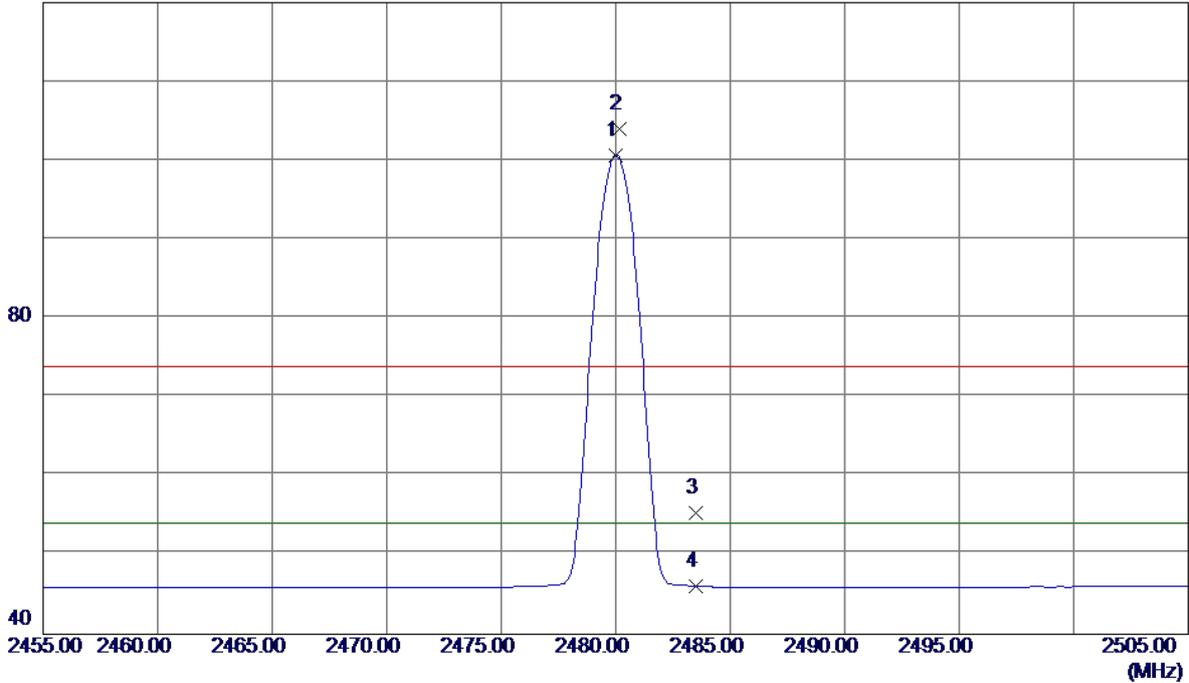


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2480MHz \_CH78\_1Mbps

**Horizontal**

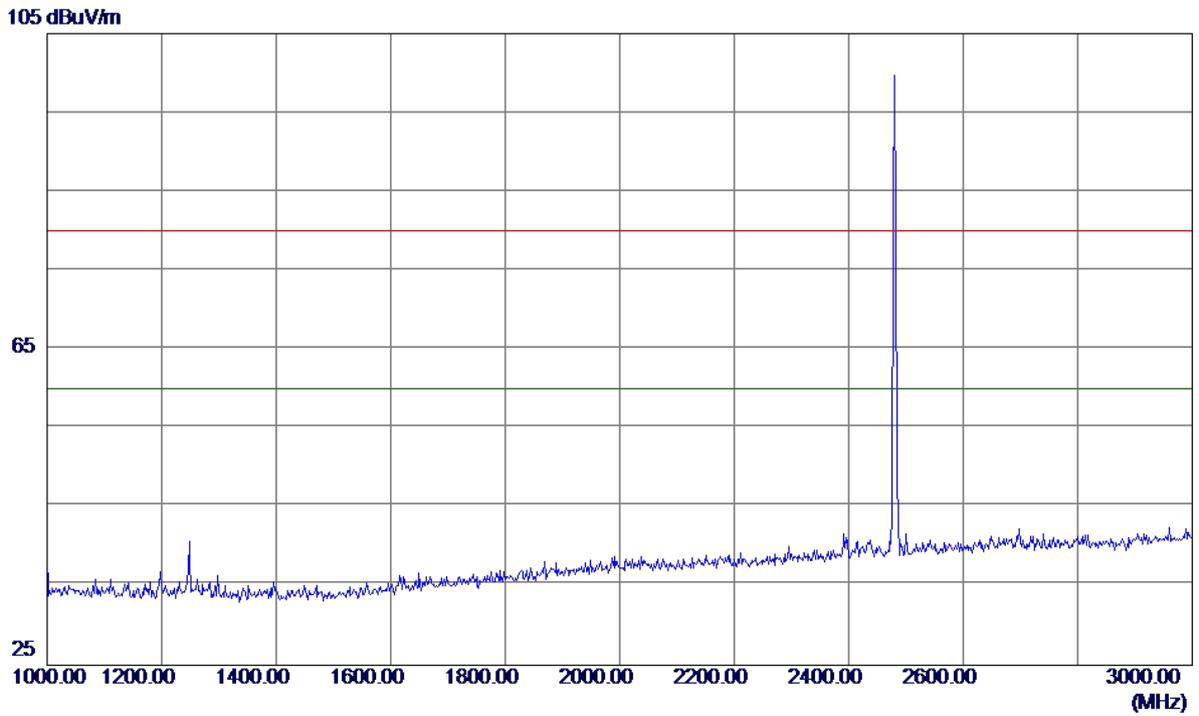
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2480.0000	68.00	32.70	100.70	54.00	46.70	AVG	No Limit
2	2480.1500	71.33	32.70	104.03	74.00	30.03	Peak	No Limit
3	2483.5000	22.63	32.71	55.34	74.00	-18.66	Peak	
4	2483.5000	13.37	32.71	46.08	54.00	-7.92	AVG	

Test Mode : TX 2480MHz \_CH78\_1Mbps

**Horizontal**

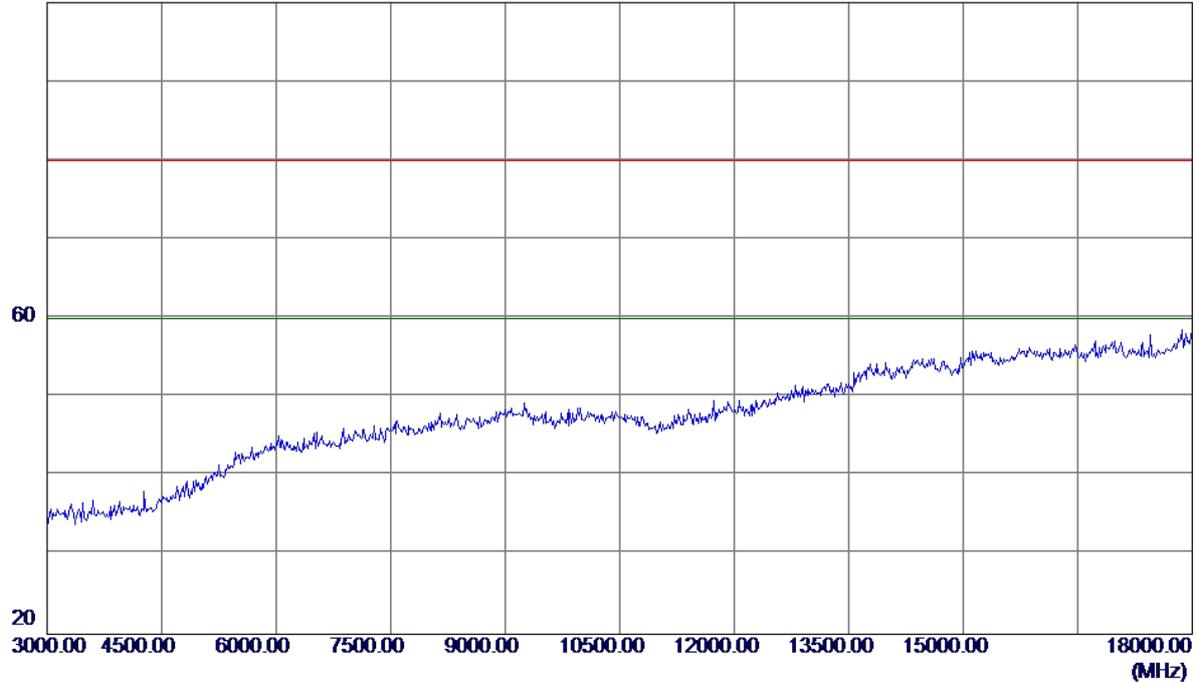


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2480	~105		~105	~75	~30		

Test Mode : TX 2480MHz \_CH78\_1Mbps

**Horizontal**

100 dBuV/m

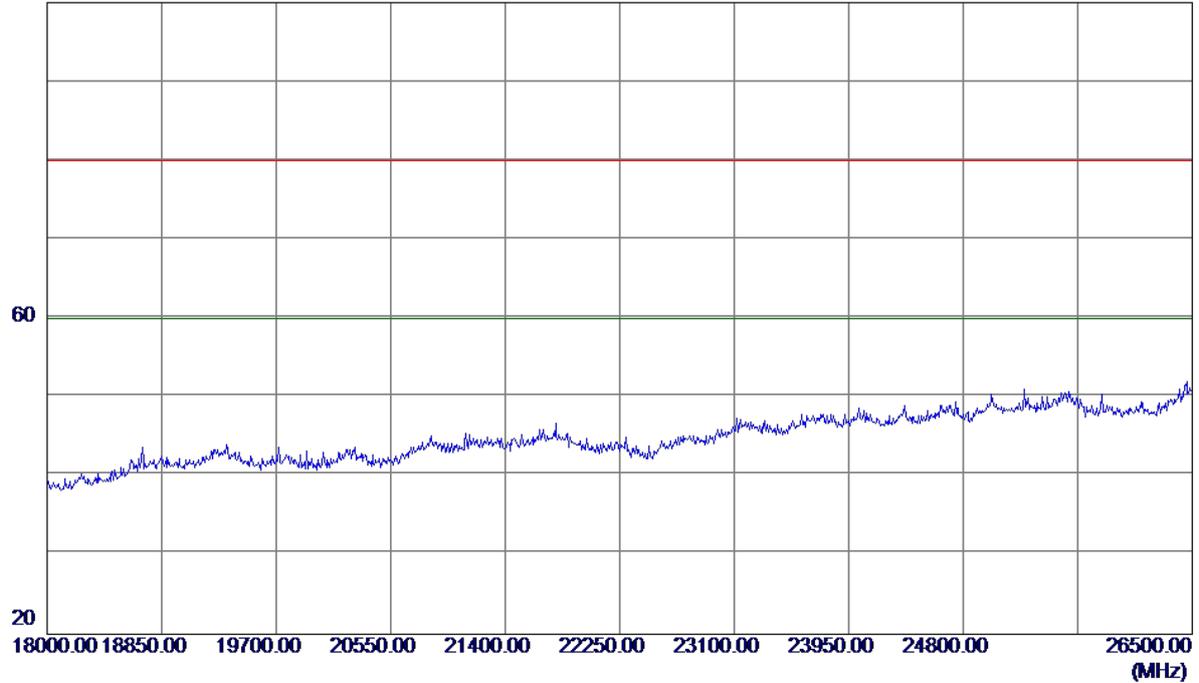


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2480MHz \_CH78\_1Mbps

**Horizontal**

100 dBuV/m

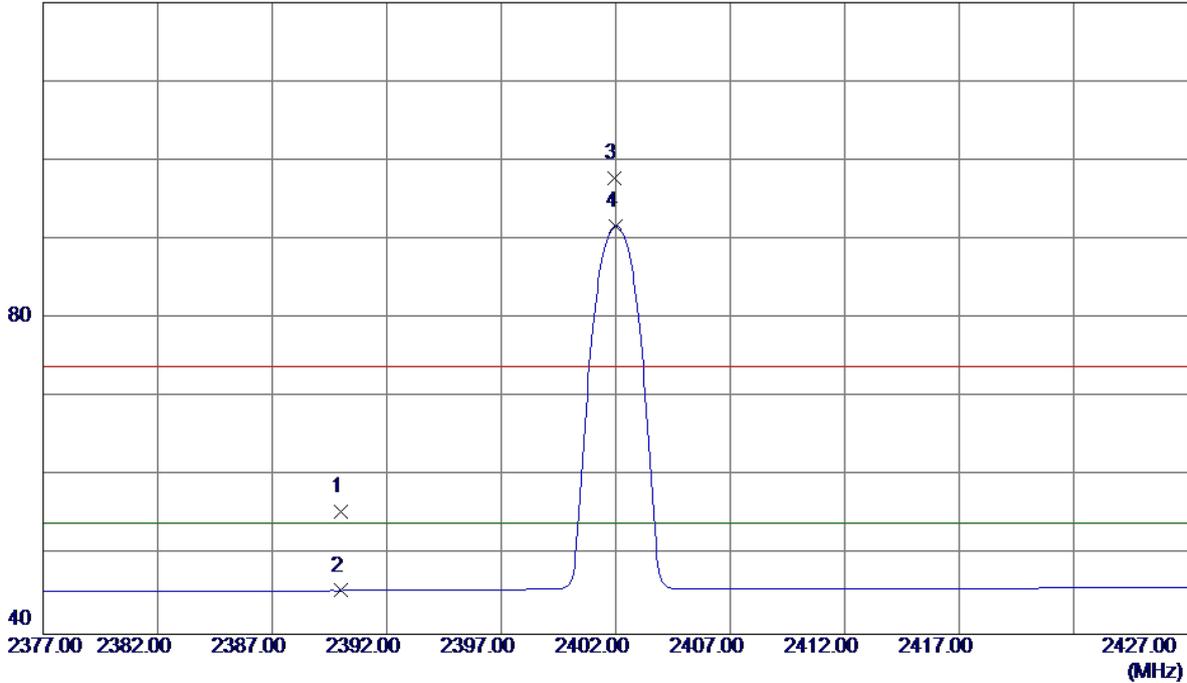


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2402MHz \_CH00\_3Mbps

**Vertical**

120 dBuV/m

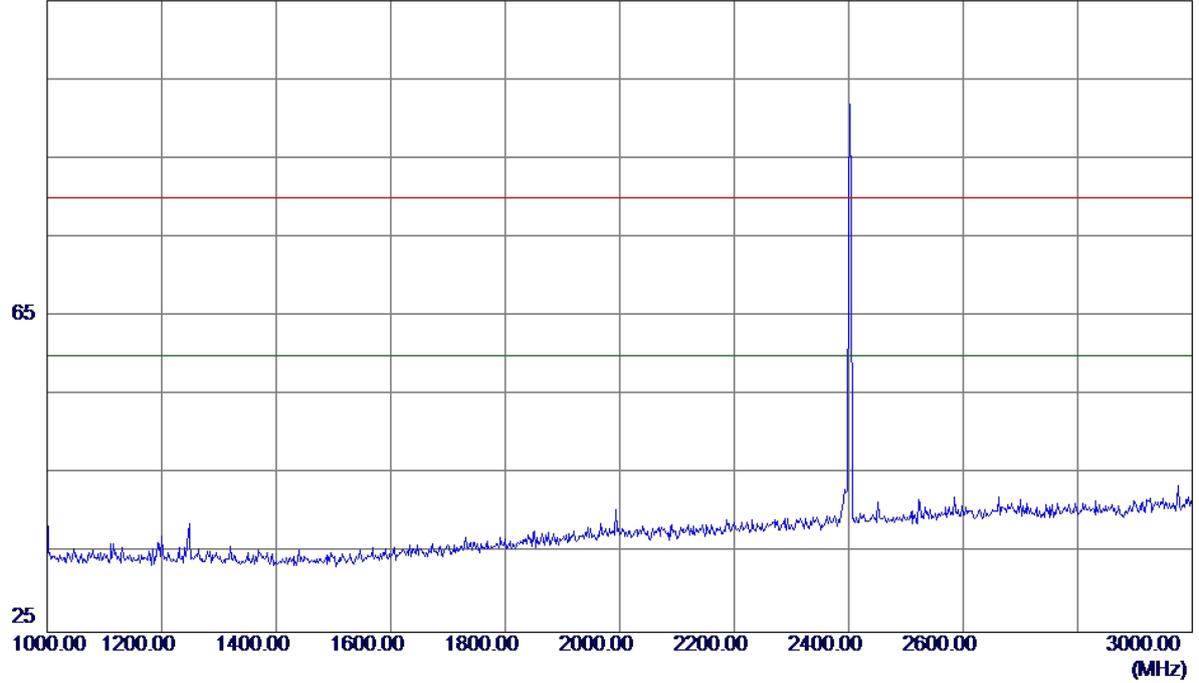


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.07	32.38	55.45	74.00	-18.55	Peak	
2	2390.0000	13.14	32.38	45.52	54.00	-8.48	AVG	
3	2401.9500	65.36	32.42	97.78	74.00	23.78	Peak	No Limit
4 *	2402.0000	59.29	32.42	91.71	54.00	37.71	AVG	No Limit

Test Mode : TX 2402MHz \_CH00\_3Mbps

**Vertical**

105 dBuV/m

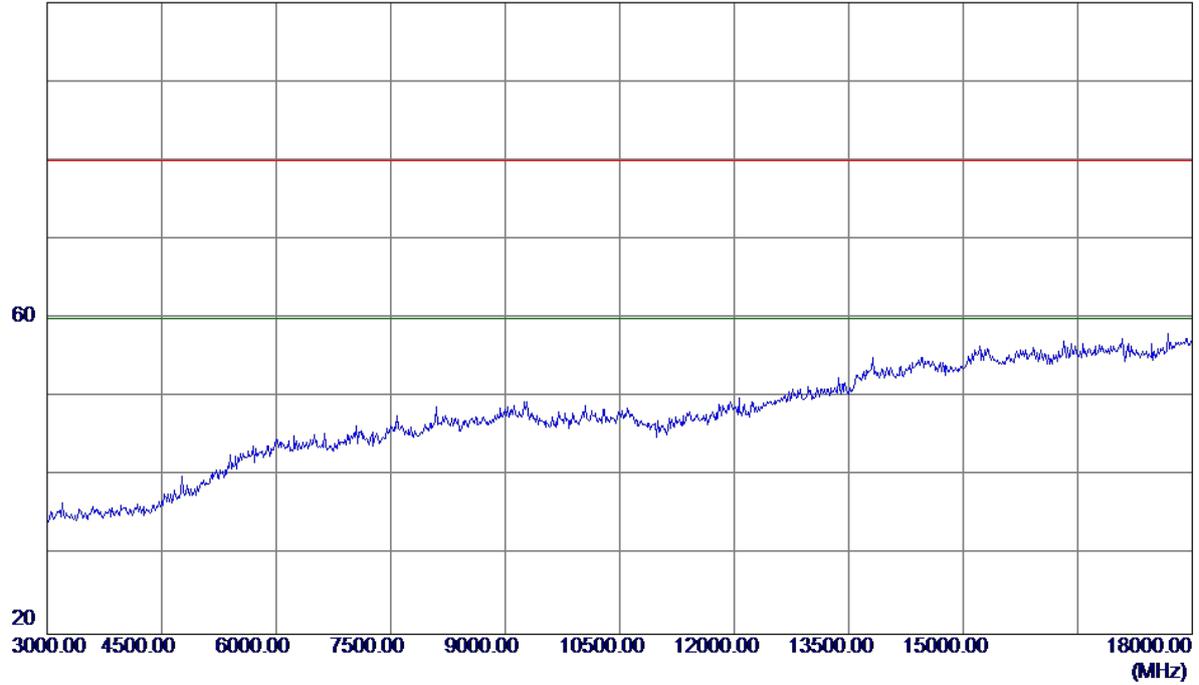


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2402MHz \_CH00\_3Mbps

**Vertical**

100 dBuV/m

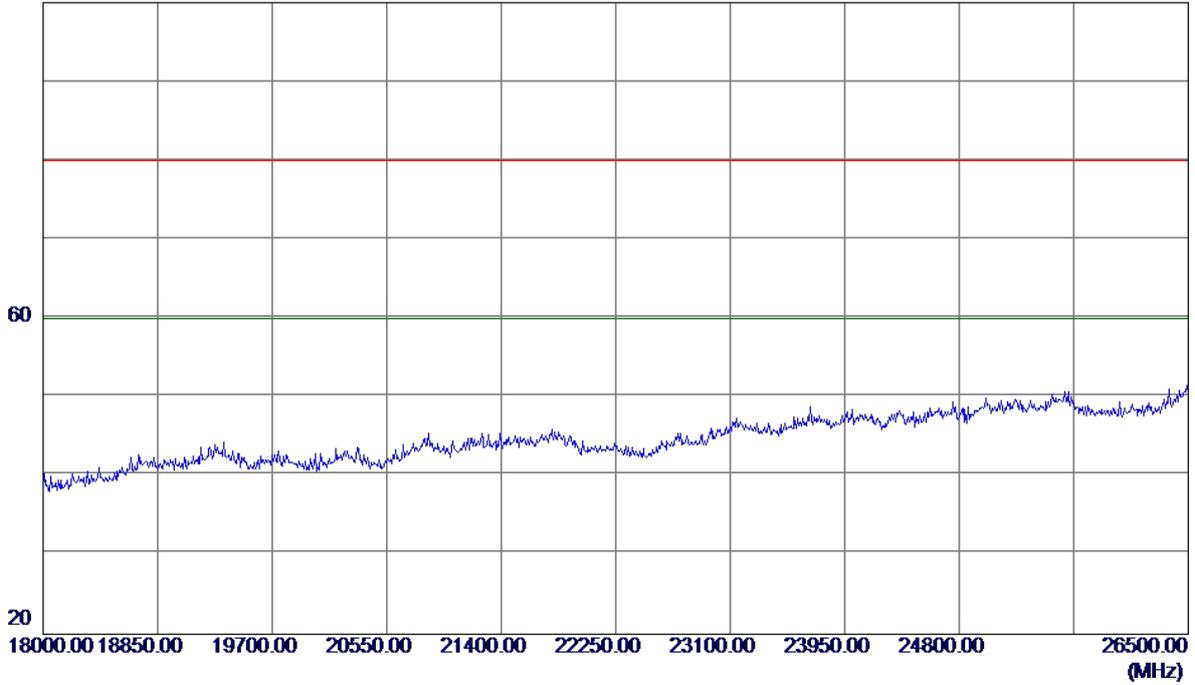


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2402MHz \_CH00\_3Mbps

**Vertical**

100 dBuV/m

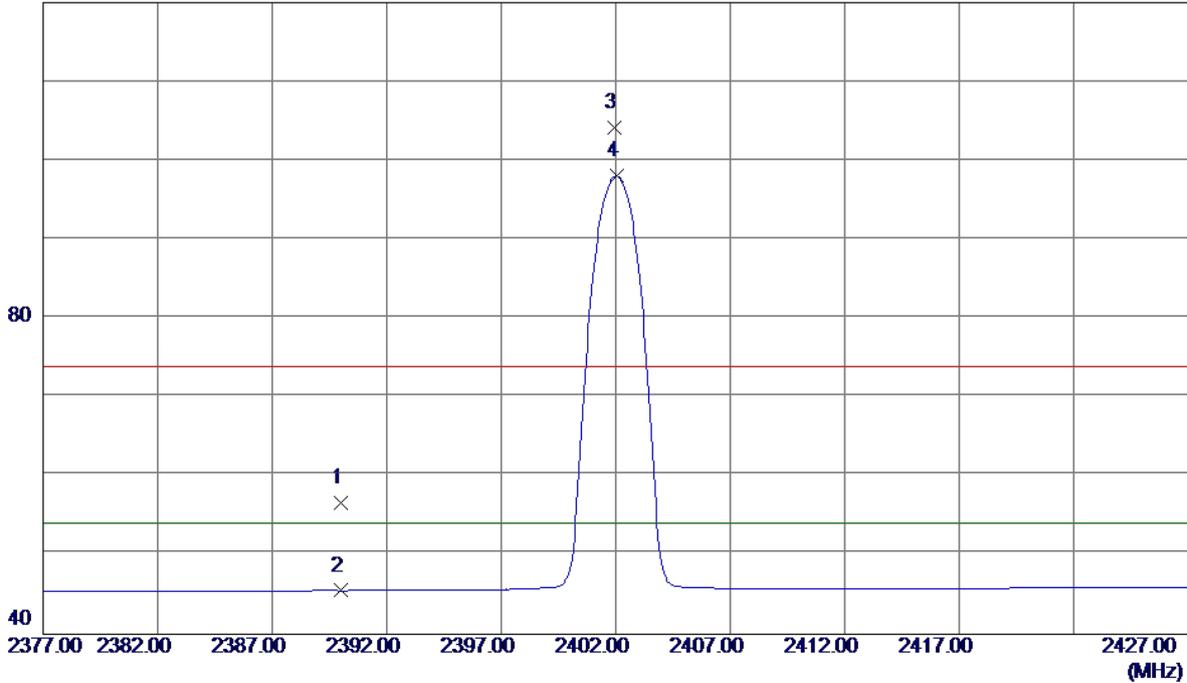


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2402MHz \_CH00\_3Mbps

**Horizontal**

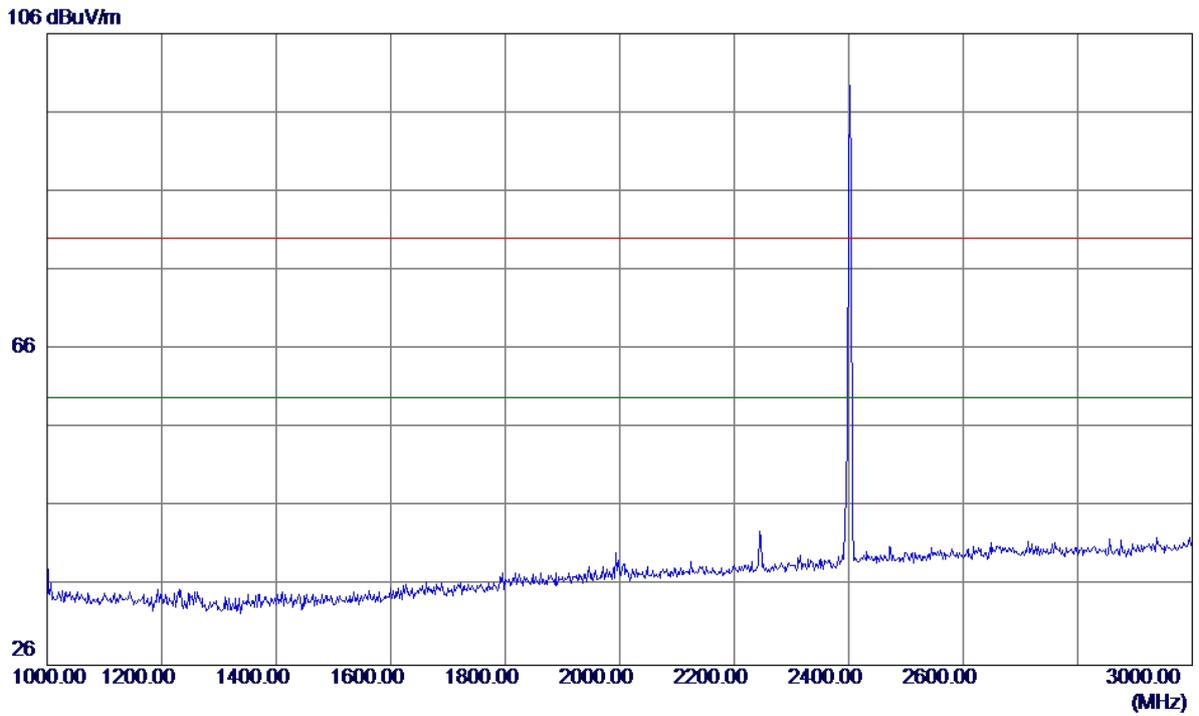
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.26	32.38	56.64	74.00	-17.36	Peak	
2	2390.0000	13.14	32.38	45.52	54.00	-8.48	AVG	
3	2401.9500	71.71	32.42	104.13	74.00	30.13	Peak	No Limit
4 *	2402.0500	65.60	32.42	98.02	54.00	44.02	AVG	No Limit

Test Mode : TX 2402MHz \_CH00\_3Mbps

**Horizontal**

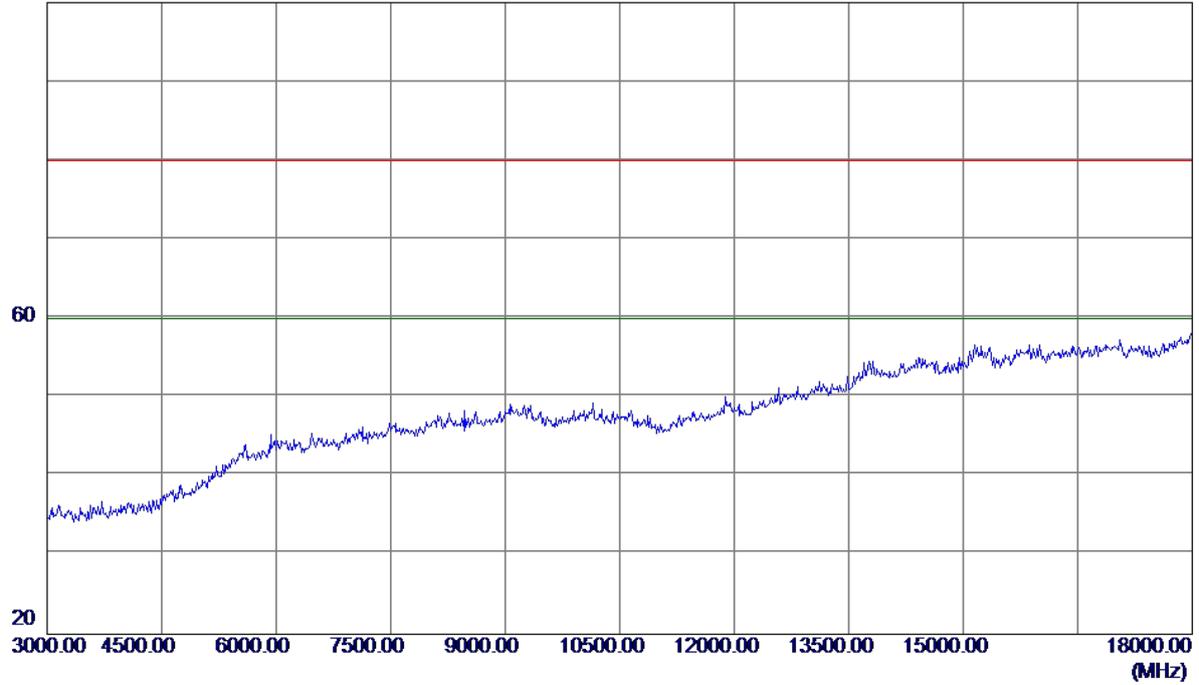


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2402MHz \_CH00\_3Mbps

**Horizontal**

100 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2402MHz \_CH00\_3Mbps

**Horizontal**

100 dBuV/m

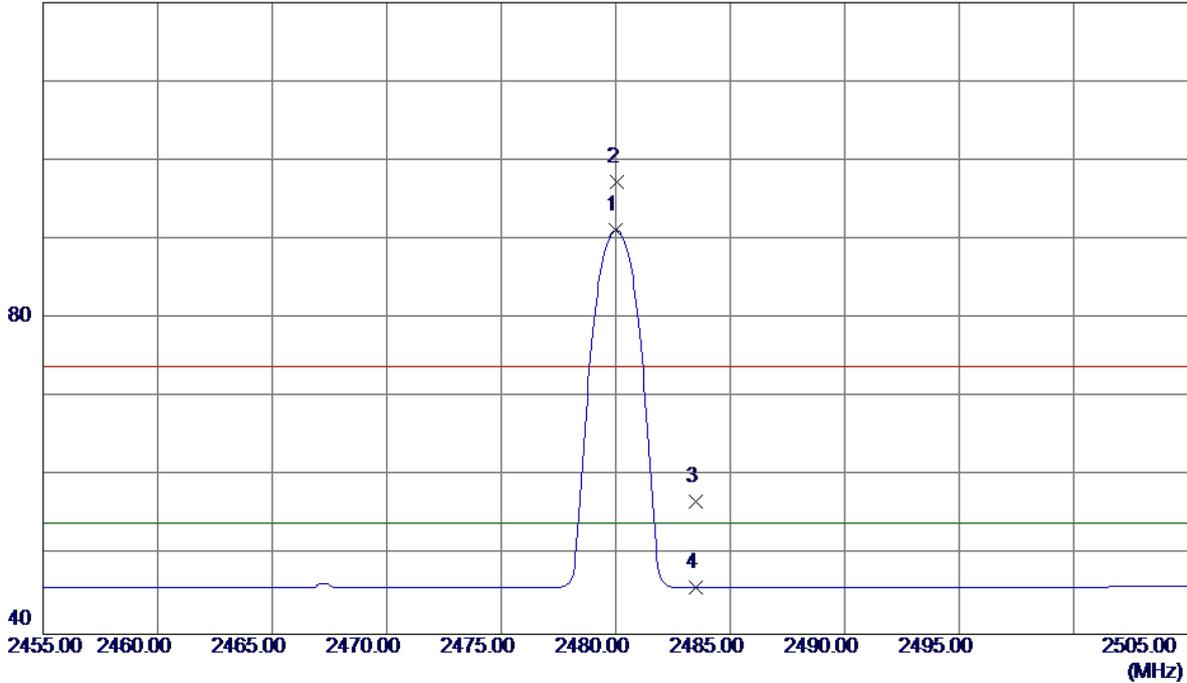


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
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Test Mode : TX 2480MHz \_CH78\_3Mbps

**Vertical**

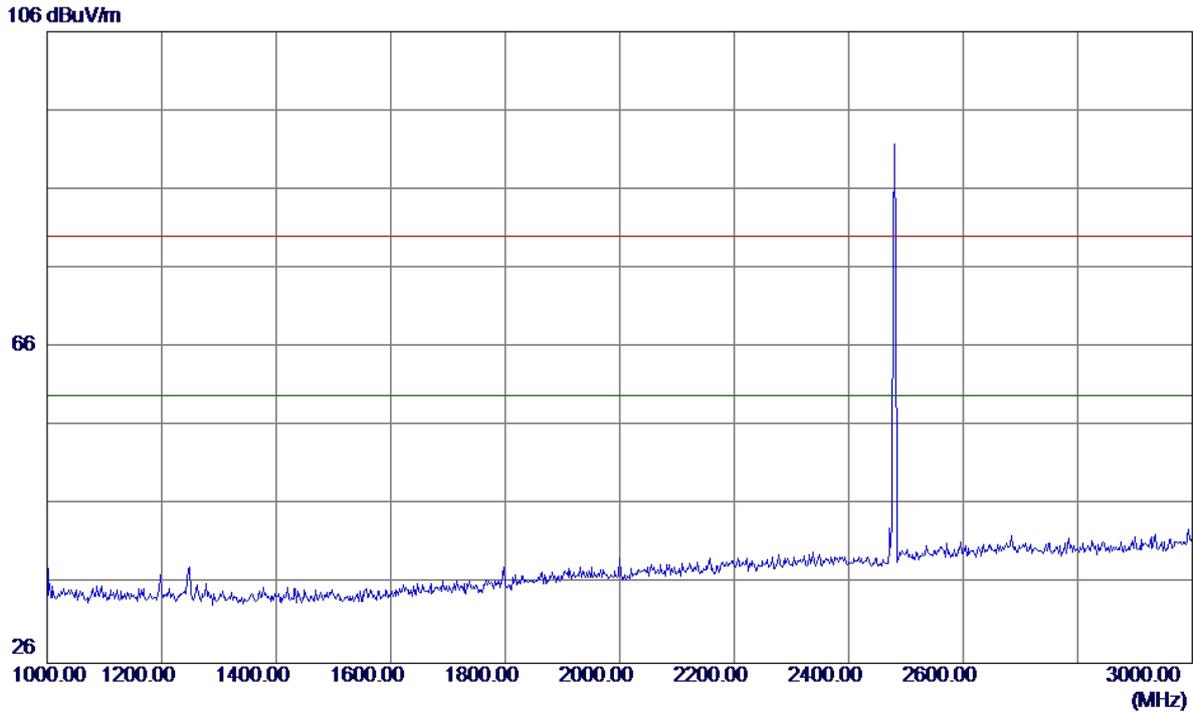
120 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2480.0000	58.46	32.70	91.16	54.00	37.16	AVG	No Limit
2	2480.0500	64.59	32.70	97.29	74.00	23.29	Peak	No Limit
3	2483.5000	24.06	32.71	56.77	74.00	-17.23	Peak	
4	2483.5000	13.21	32.71	45.92	54.00	-8.08	AVG	

Test Mode : TX 2480MHz \_CH78\_3Mbps

**Vertical**

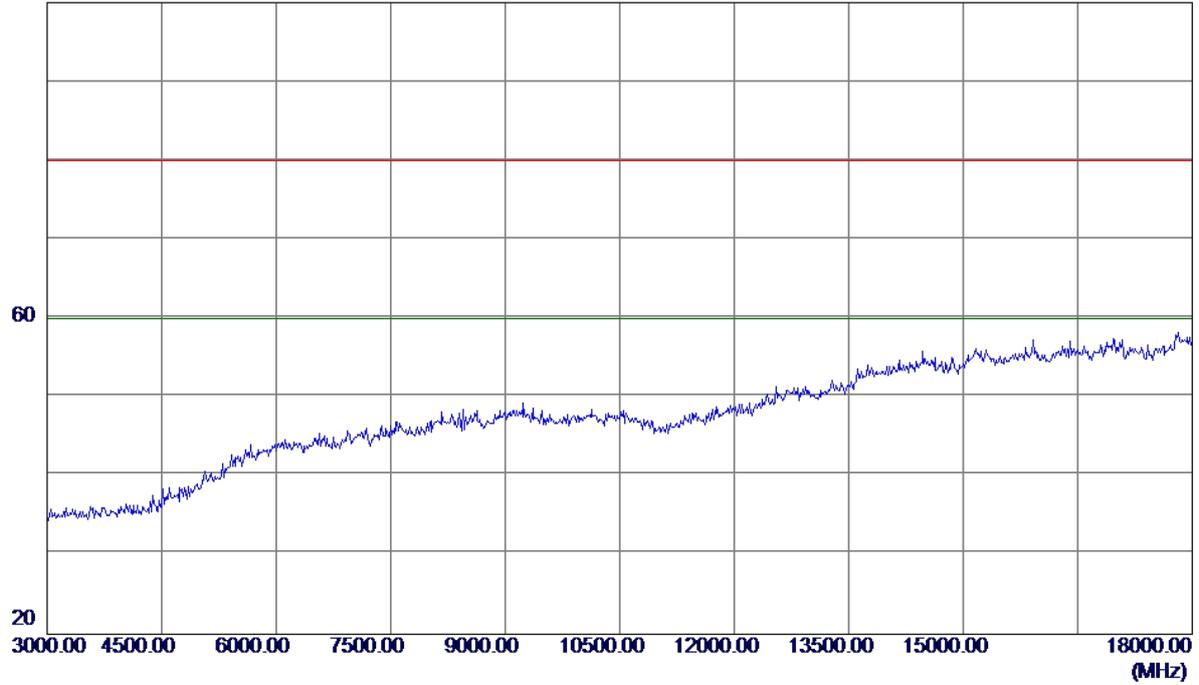


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
	2480.00	106.00		106.00	66.00	40.00		

Test Mode : TX 2480MHz \_CH78\_3Mbps

**Vertical**

100 dBuV/m

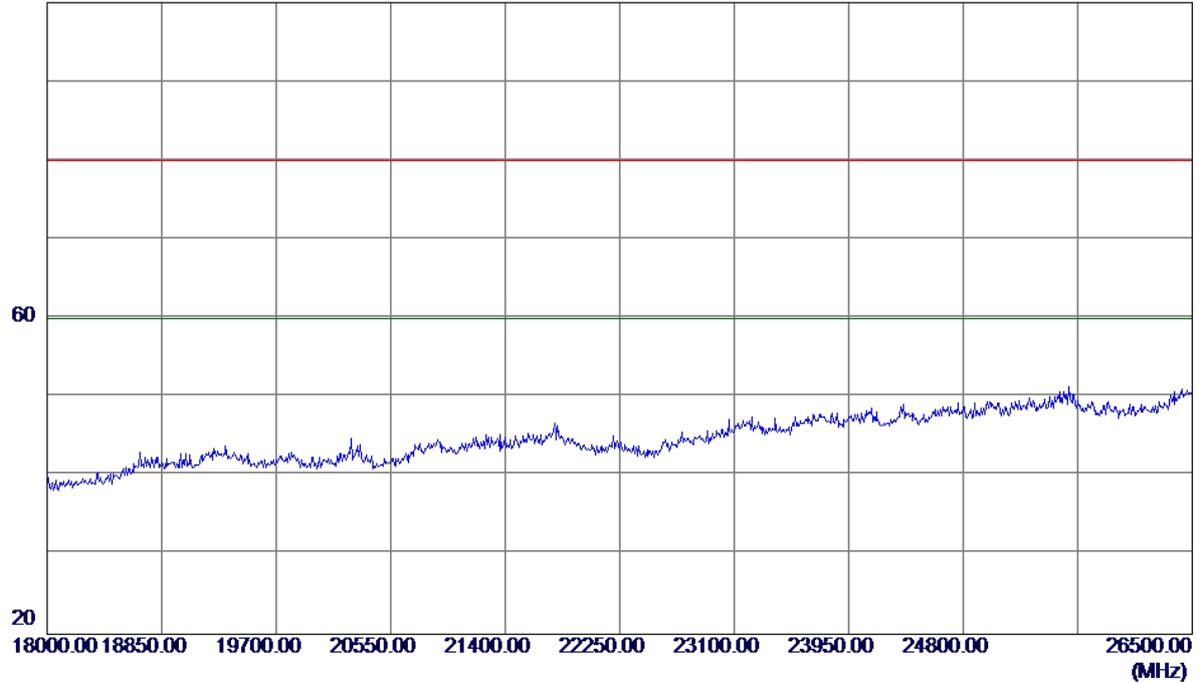


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2480MHz \_CH78\_3Mbps

**Vertical**

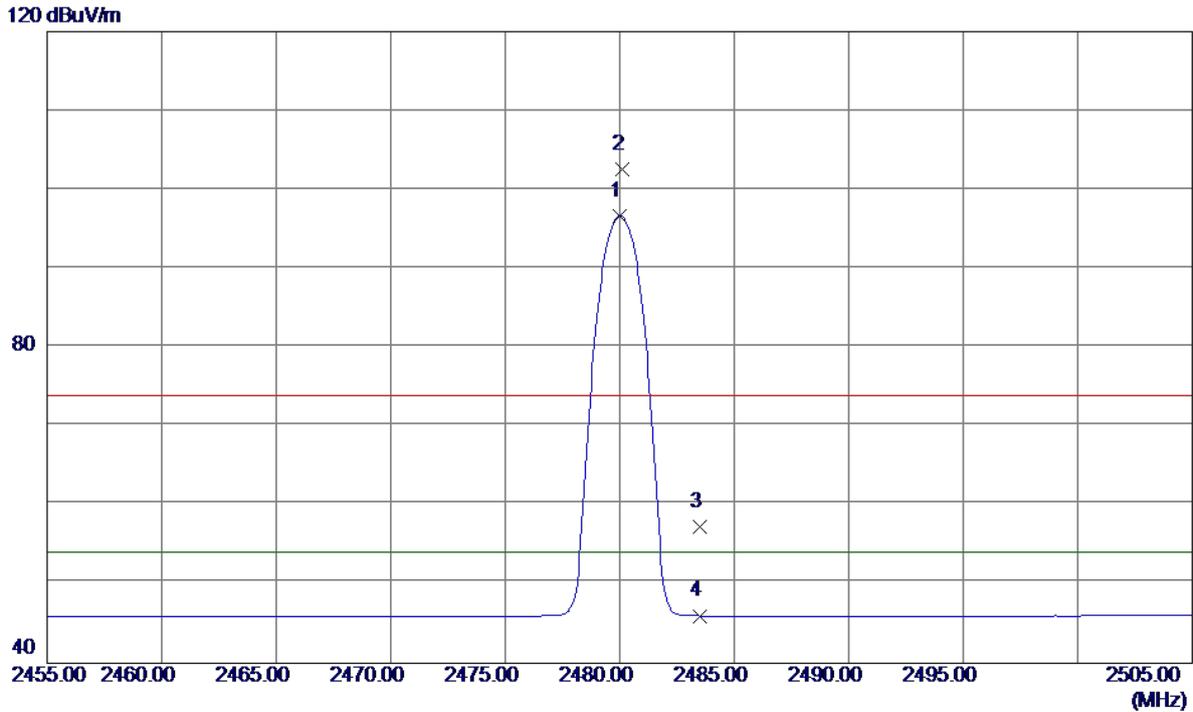
100 dBuV/m



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

Test Mode : TX 2480MHz \_CH78\_3Mbps

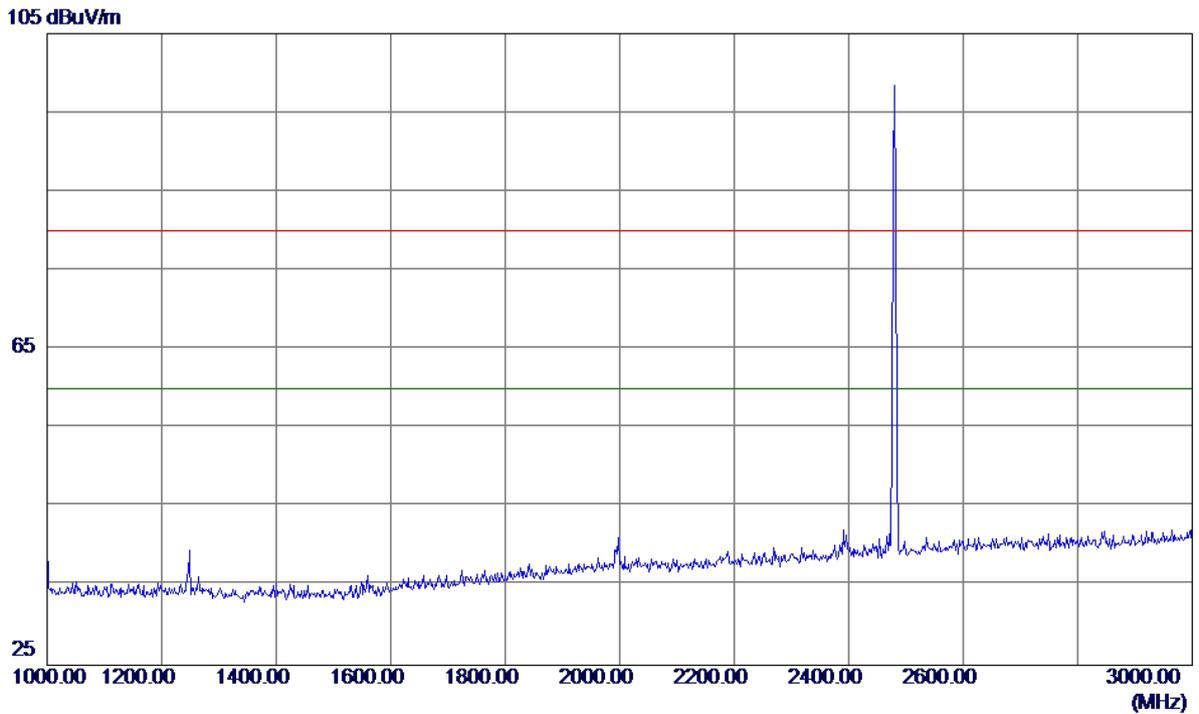
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measurement dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2480.0000	63.93	32.70	96.63	54.00	42.63	AVG	No Limit
2	2480.1000	69.79	32.70	102.49	74.00	28.49	Peak	No Limit
3	2483.5000	24.56	32.71	57.27	74.00	-16.73	Peak	
4	2483.5000	13.29	32.71	46.00	54.00	-8.00	AVG	

Test Mode : TX 2480MHz \_CH78\_3Mbps

Horizontal

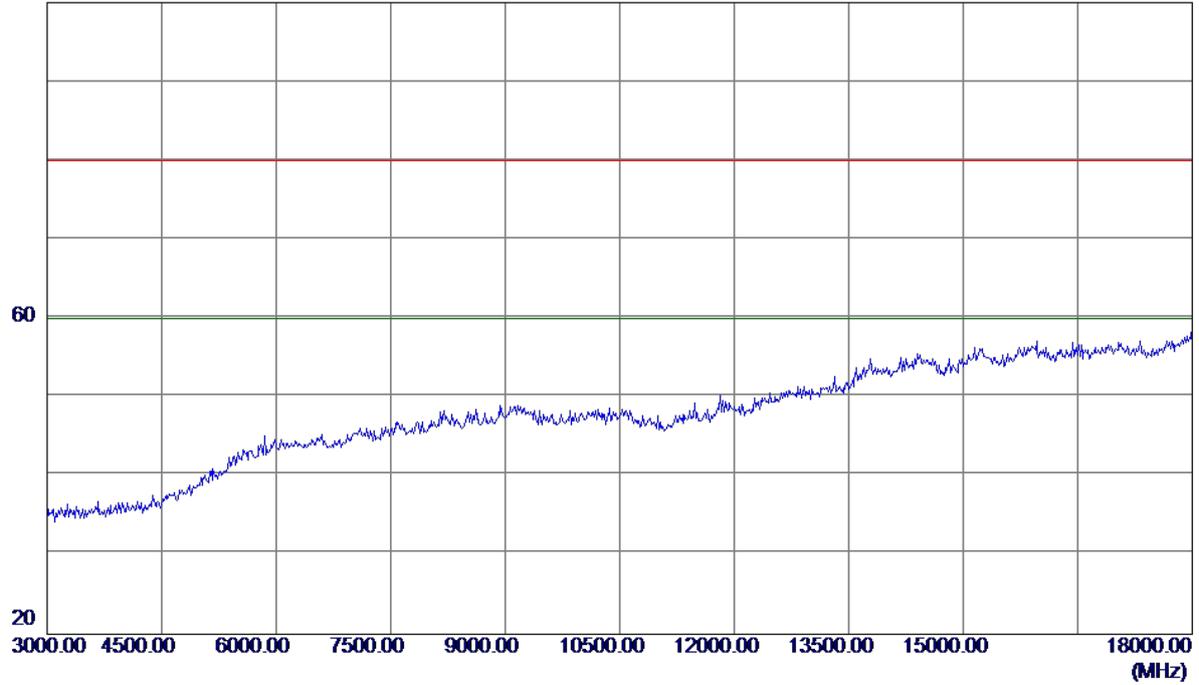


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode : TX 2480MHz \_CH78\_3Mbps

**Horizontal**

100 dBuV/m

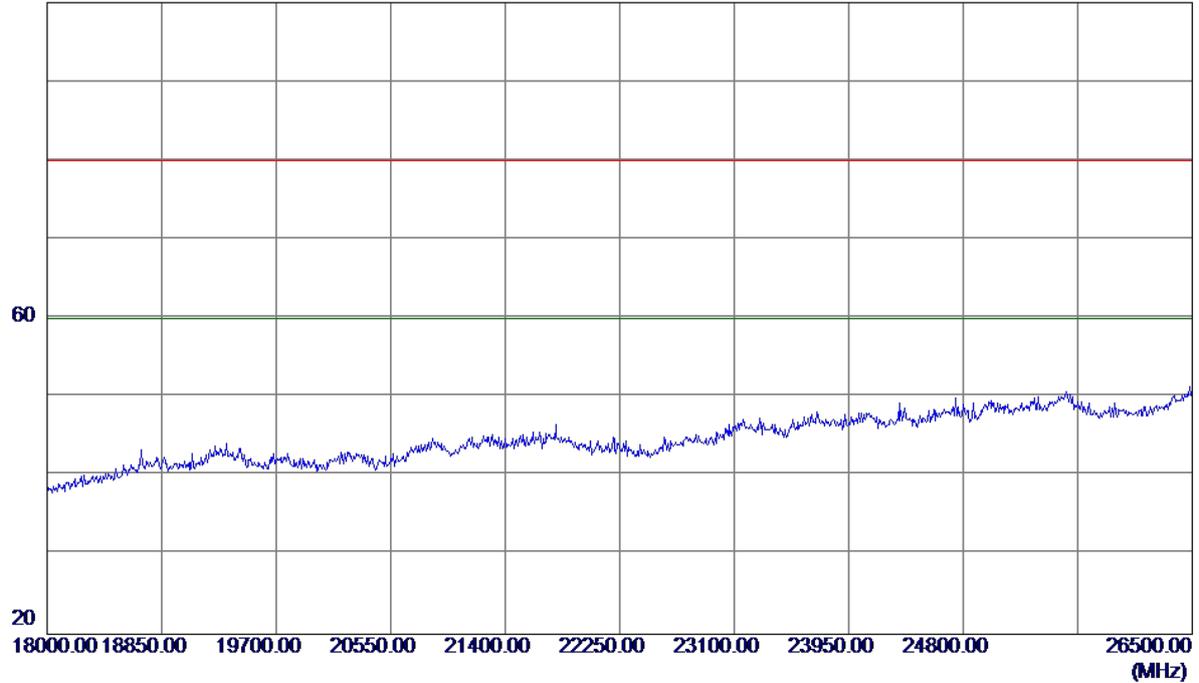


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

Test Mode : TX 2480MHz \_CH78\_3Mbps

**Horizontal**

100 dBuV/m

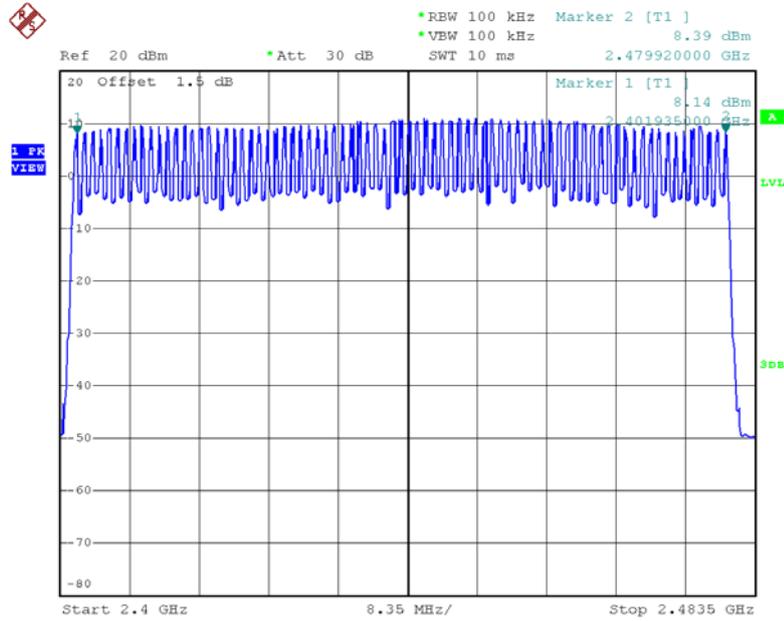


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment

## ATTACHMENT E - NUMBER OF HOPPING CHANNEL

**Test Mode**                      **Hopping Mode\_1Mbps**

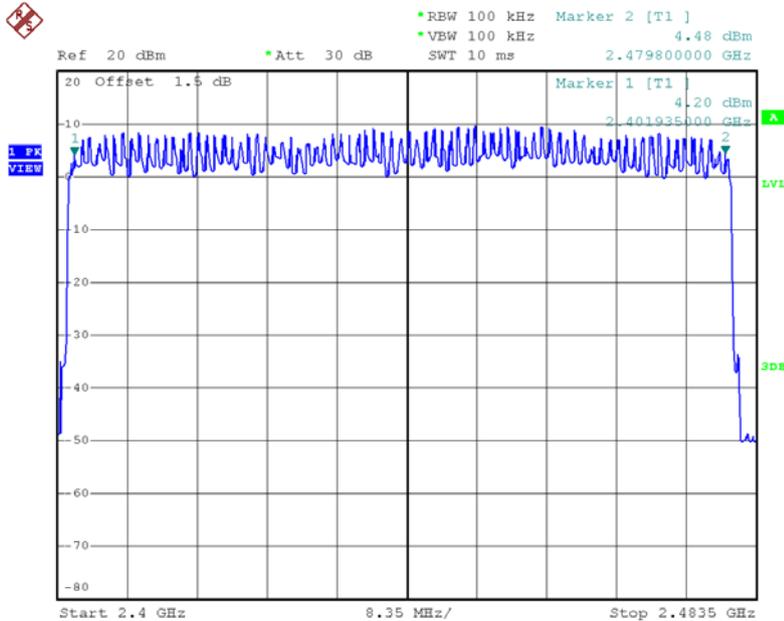
Number of Hopping Channel                      79



Date: 5.MAY.2017 12:27:06

**Test Mode**                      **Hopping Mode\_3Mbps**

Number of Hopping Channel                      79



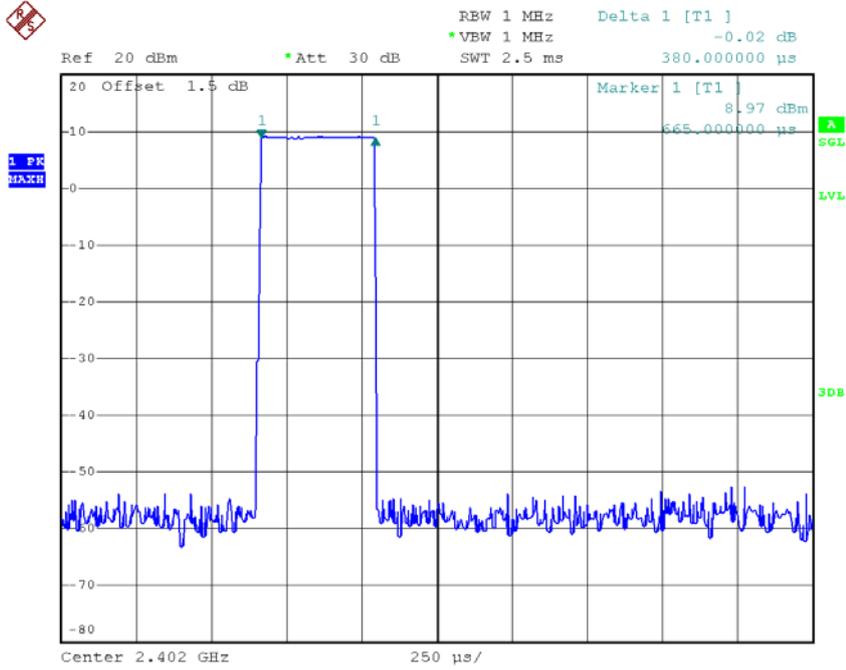
Date: 5.MAY.2017 14:20:45

## ATTACHMENT F - AVERAGE TIME OF OCCUPANCY

Test Mode :	TX Mode_1Mbps
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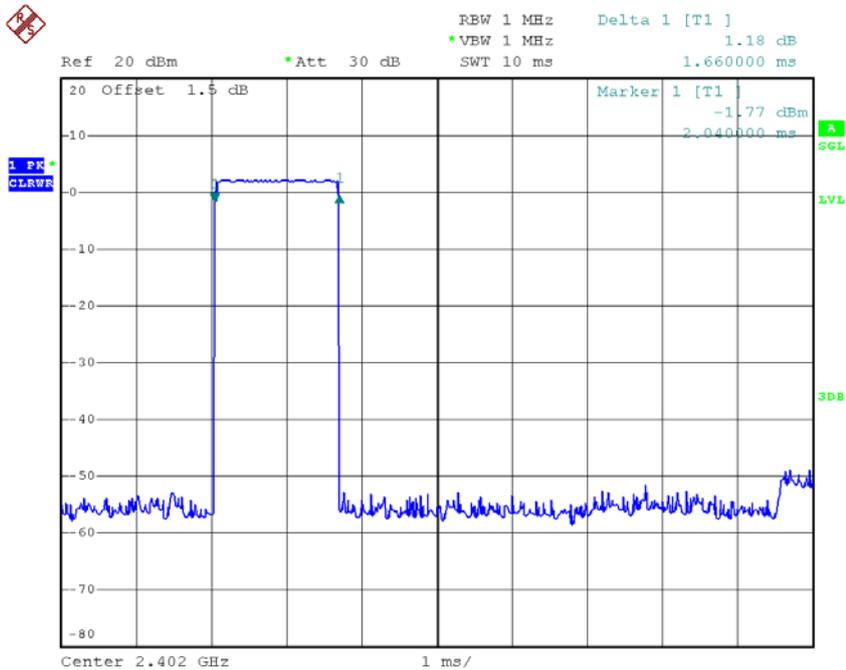
Data Packet	Frequency (MHz)	Pulse Duration (ms)	Dwell Time (s)	Limits (s)	Test Result
DH5	2402	2.8800	0.3072	0.4000	Pass
DH3	2402	1.6600	0.2656	0.4000	Pass
DH1	2402	0.3800	0.1216	0.4000	Pass
DH5	2441	2.9200	0.3115	0.4000	Pass
DH3	2441	1.6400	0.2624	0.4000	Pass
DH1	2441	0.3850	0.1232	0.4000	Pass
DH5	2480	2.8800	0.3072	0.4000	Pass
DH3	2480	1.6400	0.2624	0.4000	Pass
DH1	2480	0.3850	0.1232	0.4000	Pass

### CH00-DH1



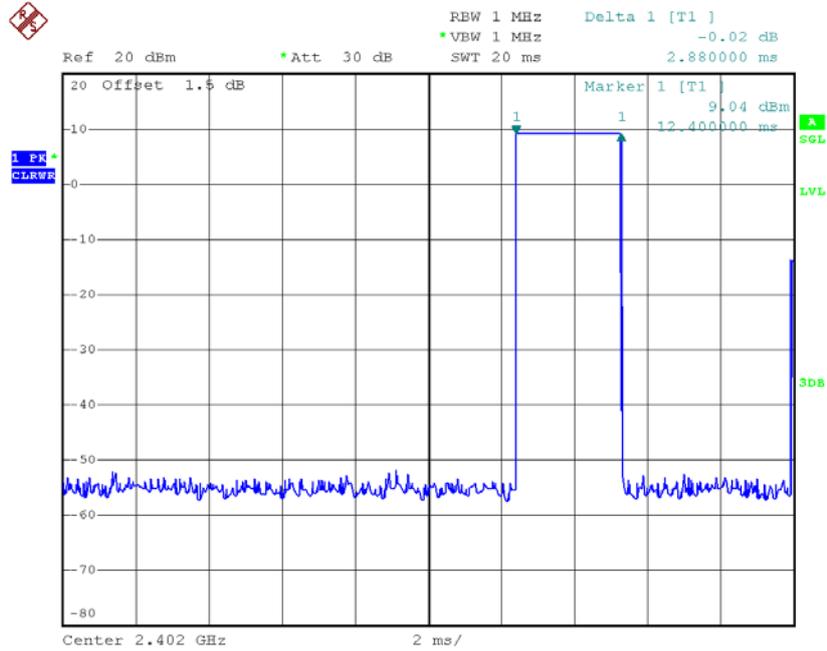
Date: 5.MAY.2017 12:21:16

### CH00-DH3



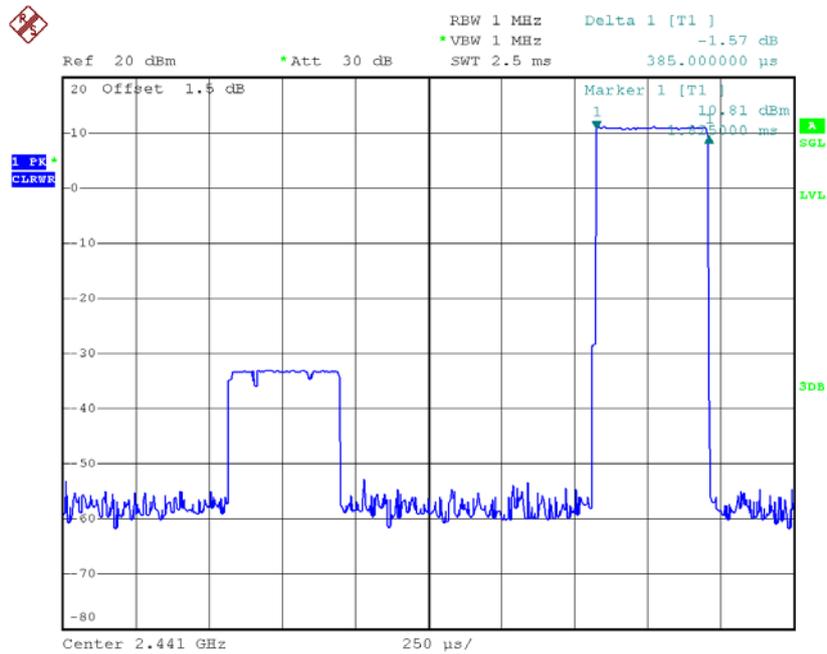
Date: 5.MAY.2017 12:35:59

### CH00-DH5



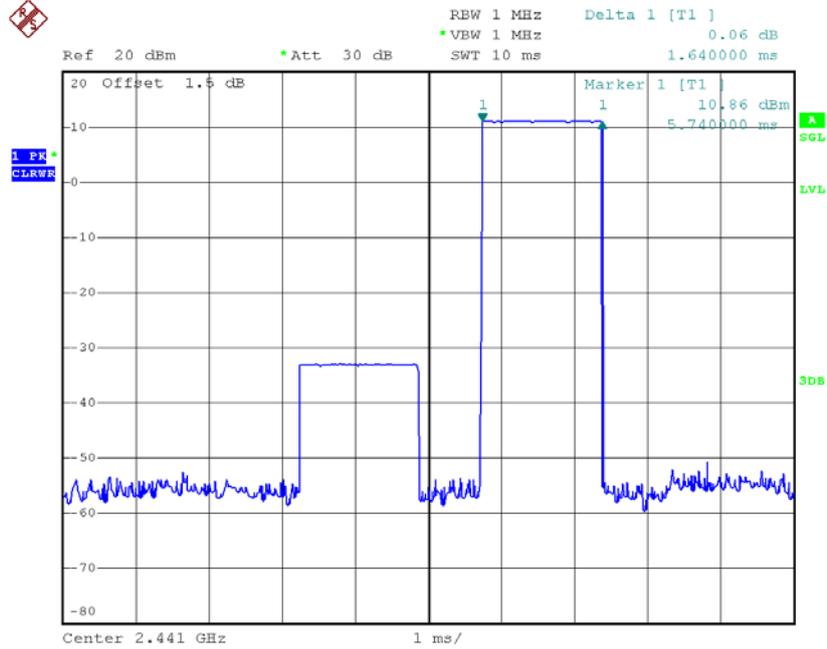
Date: 5.MAY.2017 14:09:12

### CH39-DH1



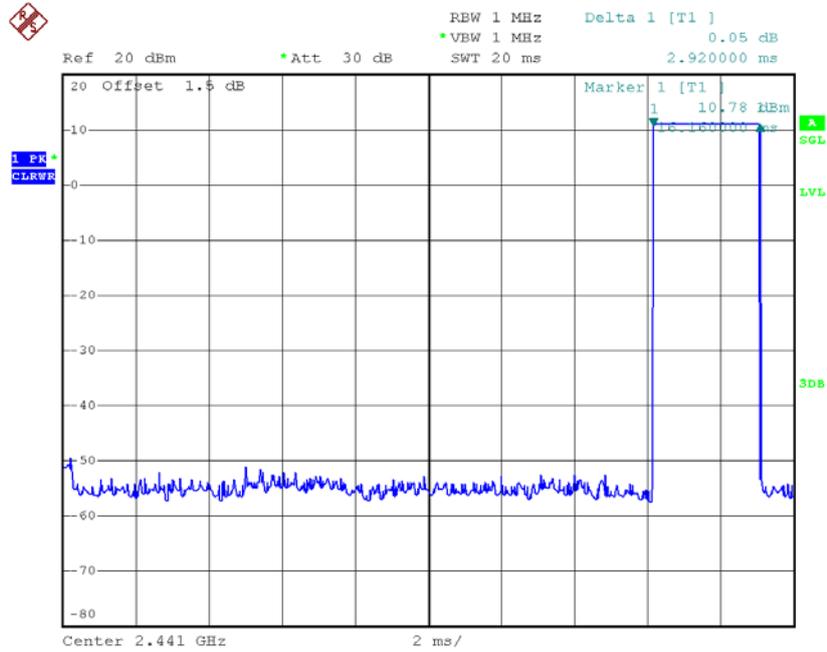
Date: 5.MAY.2017 12:21:25

### CH39-DH3



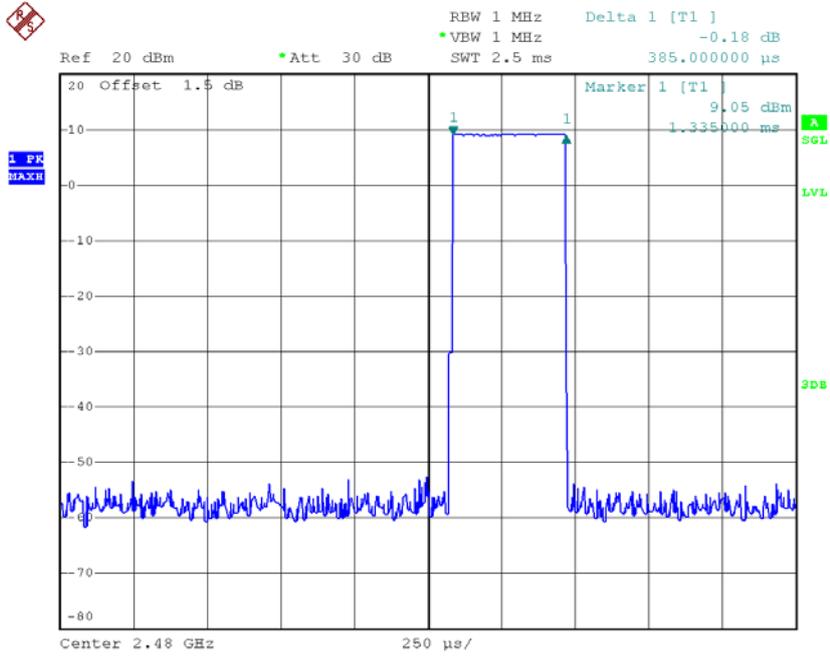
Date: 5.MAY.2017 12:34:09

### CH39-DH5



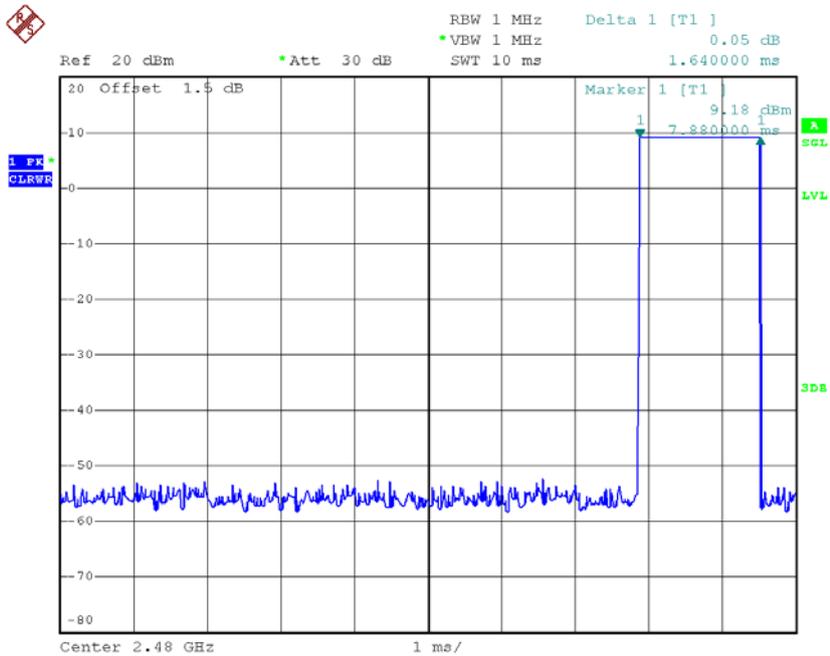
Date: 5.MAY.2017 14:09:34

### CH78-DH1



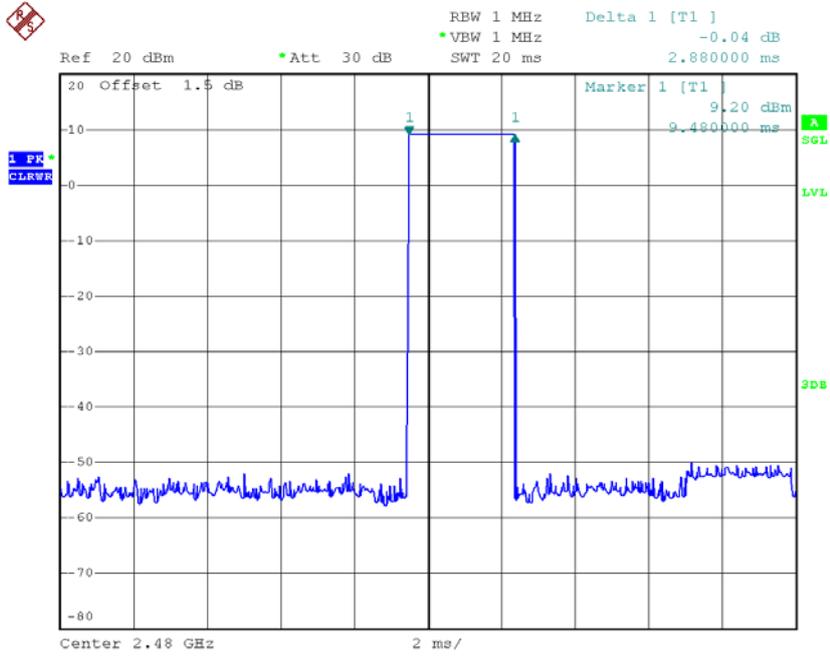
Date: 5.MAY.2017 12:21:52

### CH78-DH3



Date: 5.MAY.2017 14:08:58

### CH78-DH5

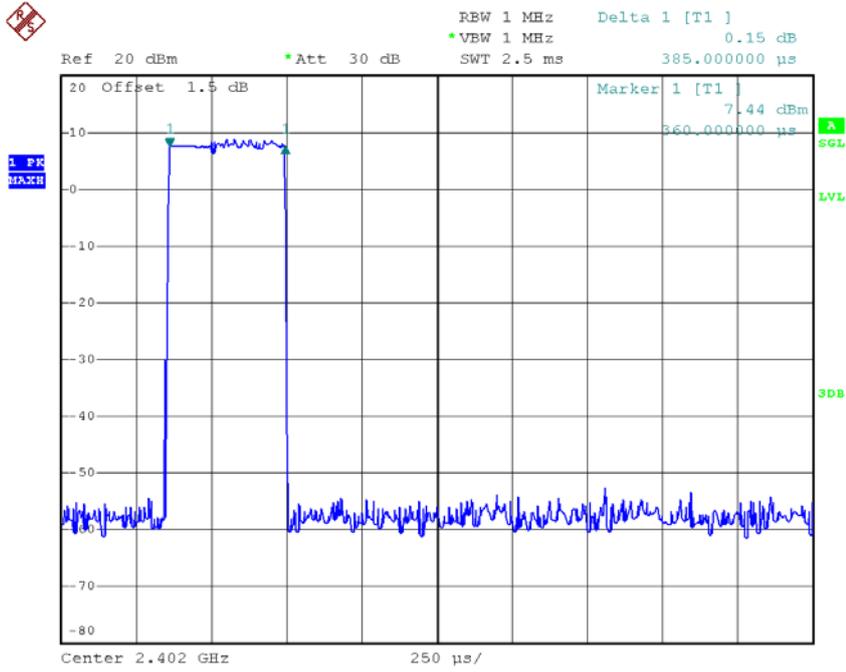


Date: 5.MAY.2017 14:09:40

Test Mode :	TX Mode_3Mbps
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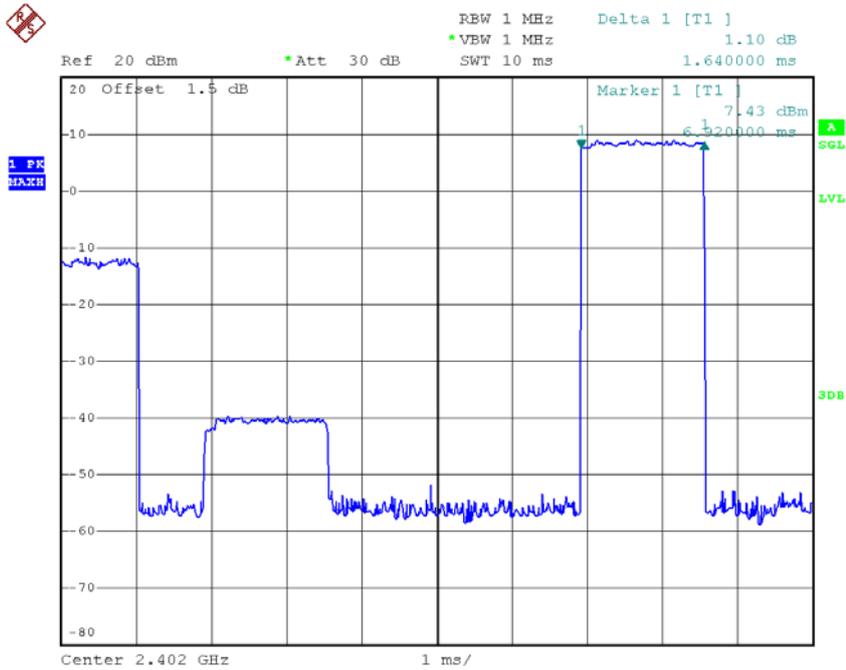
Data Packet	Frequency	Pulse Duration(ms)	Dwell Time(s)	Limits(s)	Test Result
DH5	2402	2.9200	0.3115	0.4000	Pass
DH3	2402	1.6400	0.2624	0.4000	Pass
DH1	2402	0.3850	0.1232	0.4000	Pass
DH5	2441	2.8800	0.3072	0.4000	Pass
DH3	2441	1.6400	0.2624	0.4000	Pass
DH1	2441	0.3900	0.1248	0.4000	Pass
DH5	2480	2.9200	0.3115	0.4000	Pass
DH3	2480	1.6400	0.2624	0.4000	Pass
DH1	2480	0.3900	0.1248	0.4000	Pass

### CH00-DH1



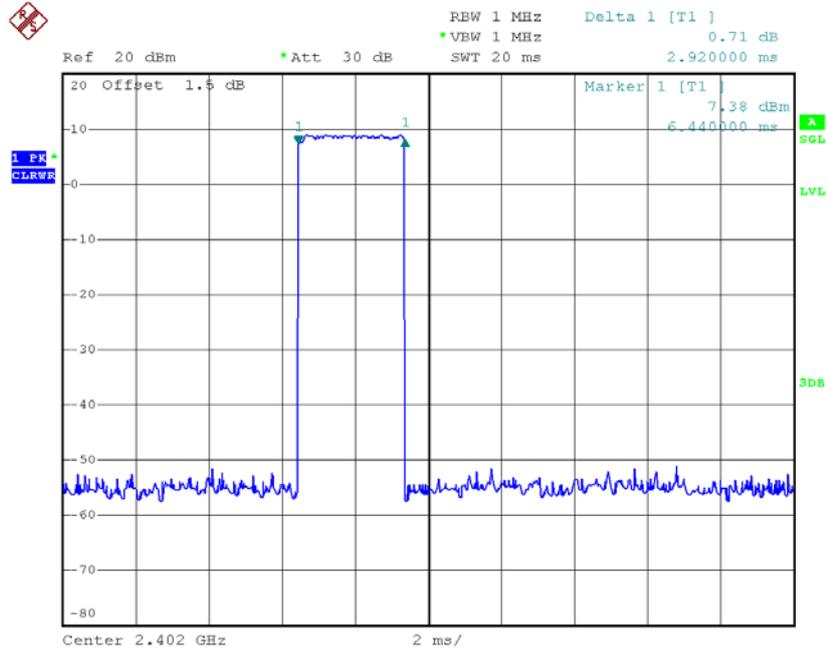
Date: 5.MAY.2017 14:15:34

### CH00-DH3



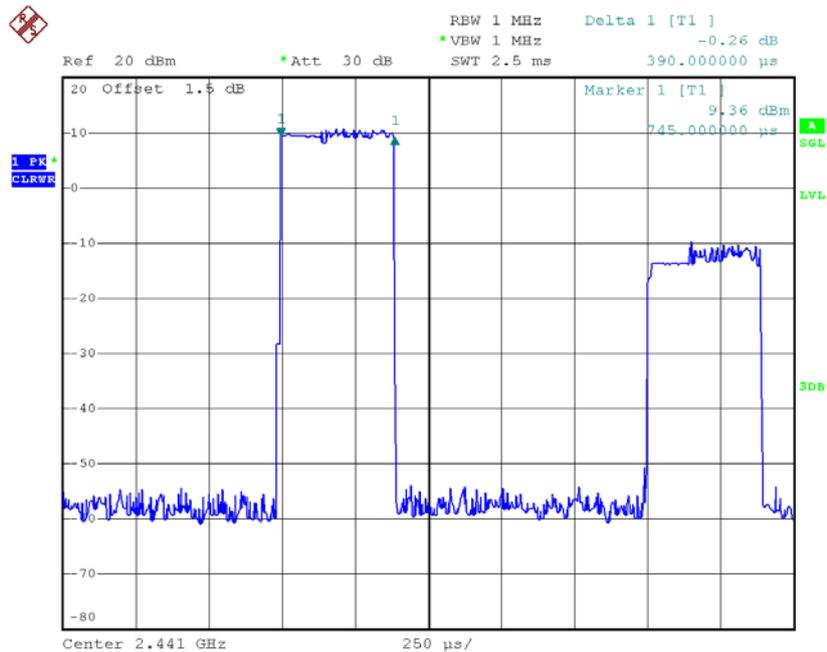
Date: 5.MAY.2017 14:25:36

### CH00-DH5



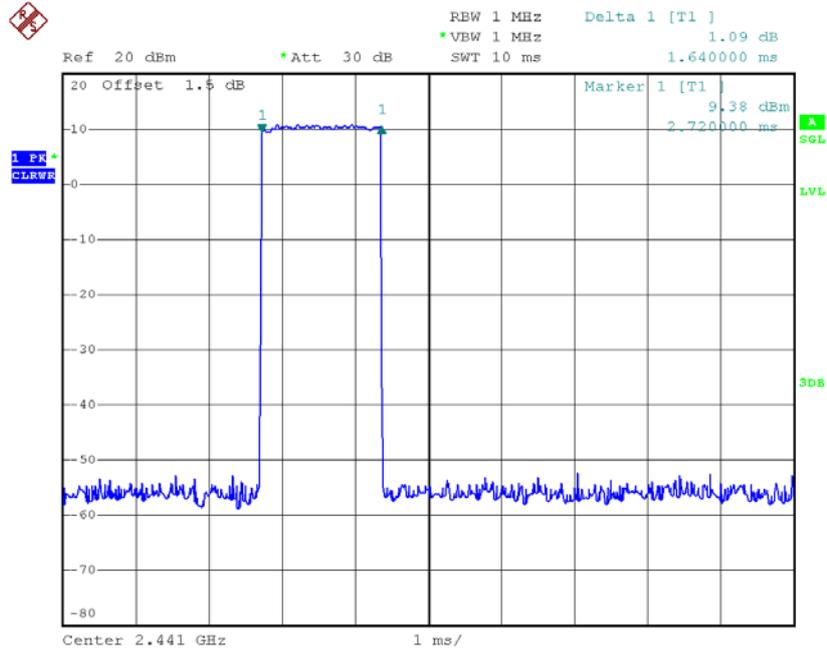
Date: 5.MAY.2017 14:26:33

### CH39-DH1



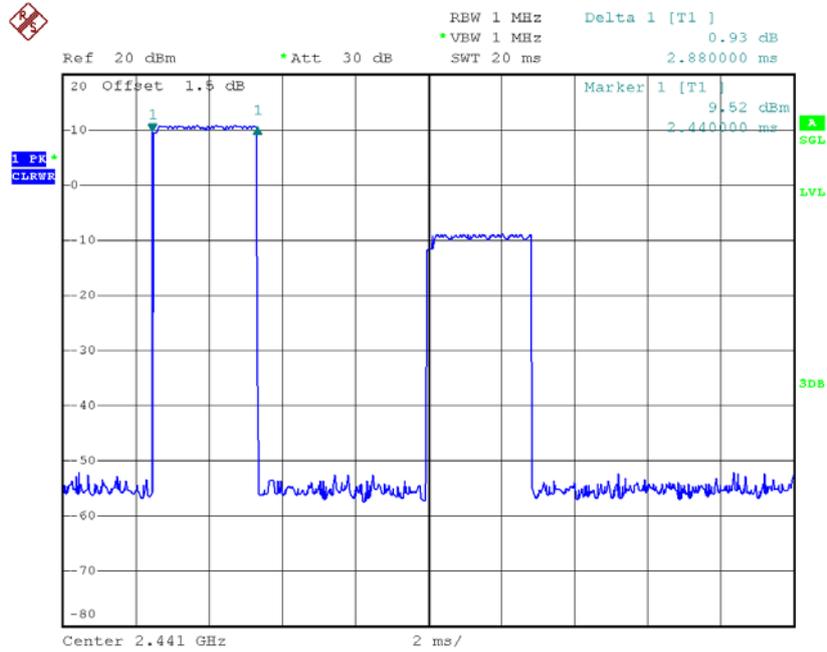
Date: 5.MAY.2017 14:14:30

### CH39-DH3



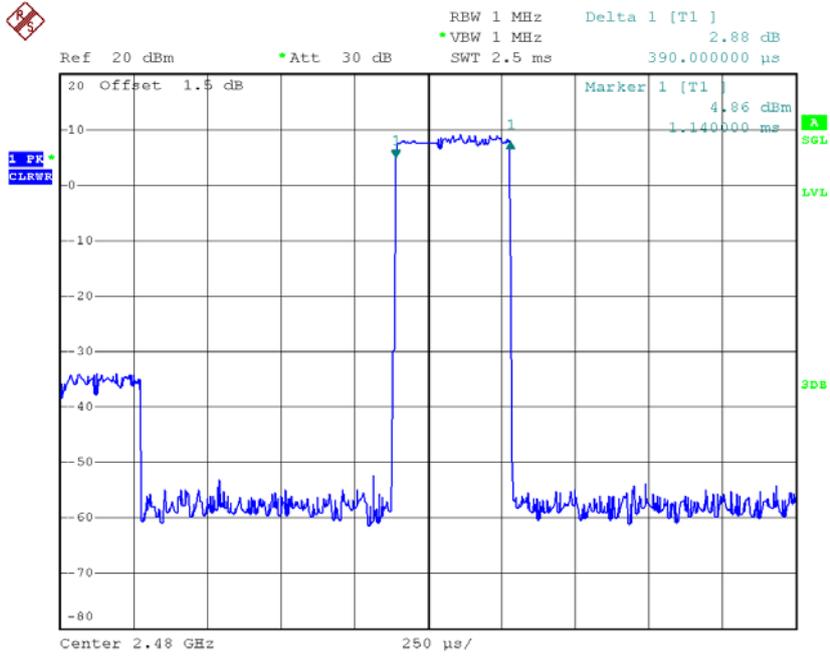
Date: 5.MAY.2017 14:25:40

### CH39-DH5



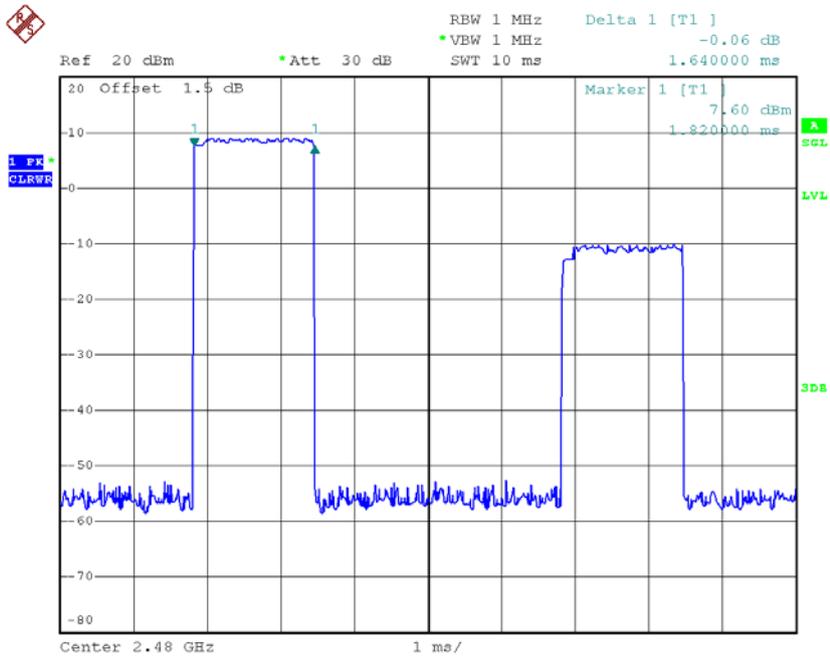
Date: 5.MAY.2017 14:26:38

### CH78-DH1



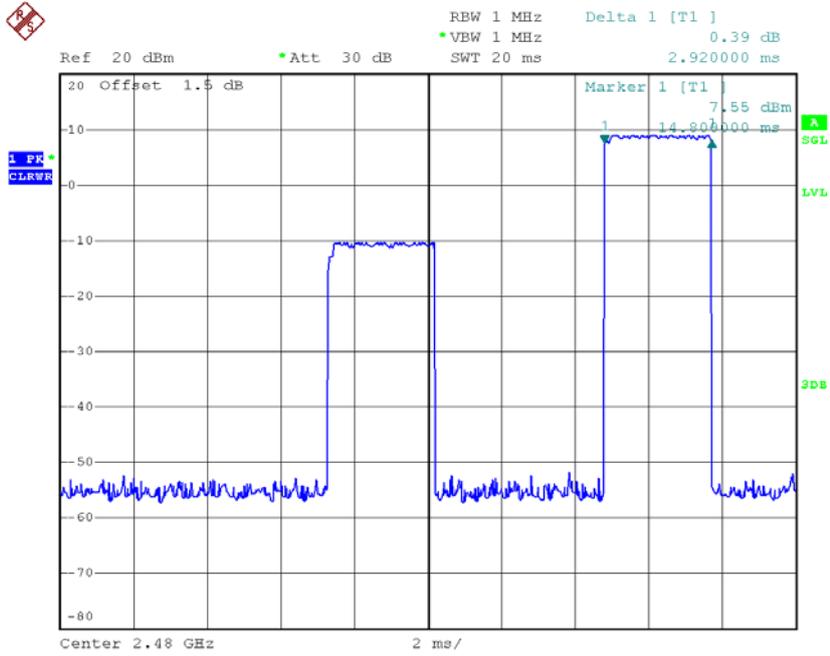
Date: 5.MAY.2017 14:14:35

### CH78-DH3



Date: 5.MAY.2017 14:26:23

### CH78-DH5

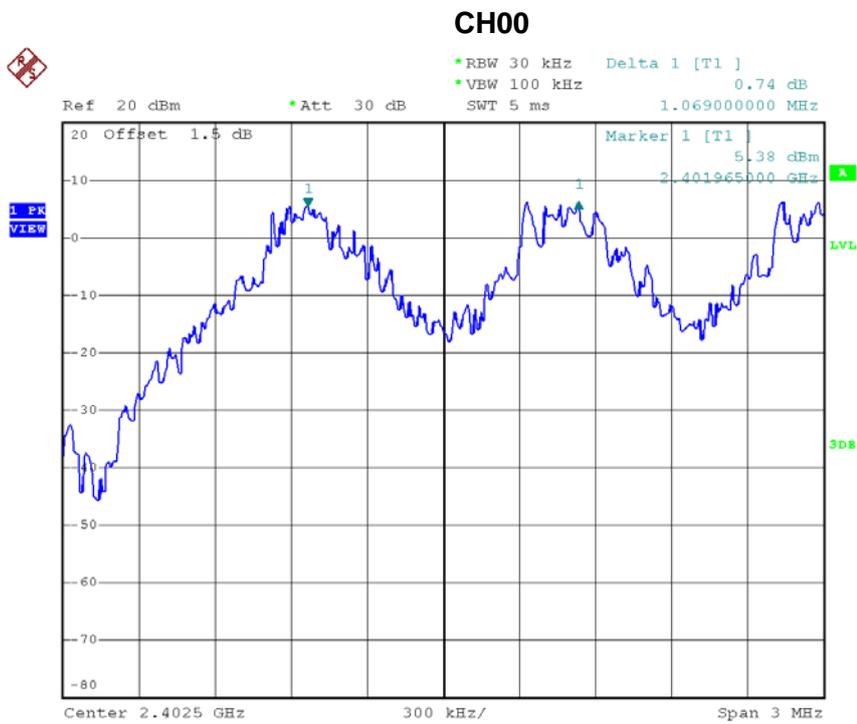


Date: 5.MAY.2017 14:27:11

# ATTACHMENT G - HOPPING CHANNEL SEPARATION MEASUREMENT

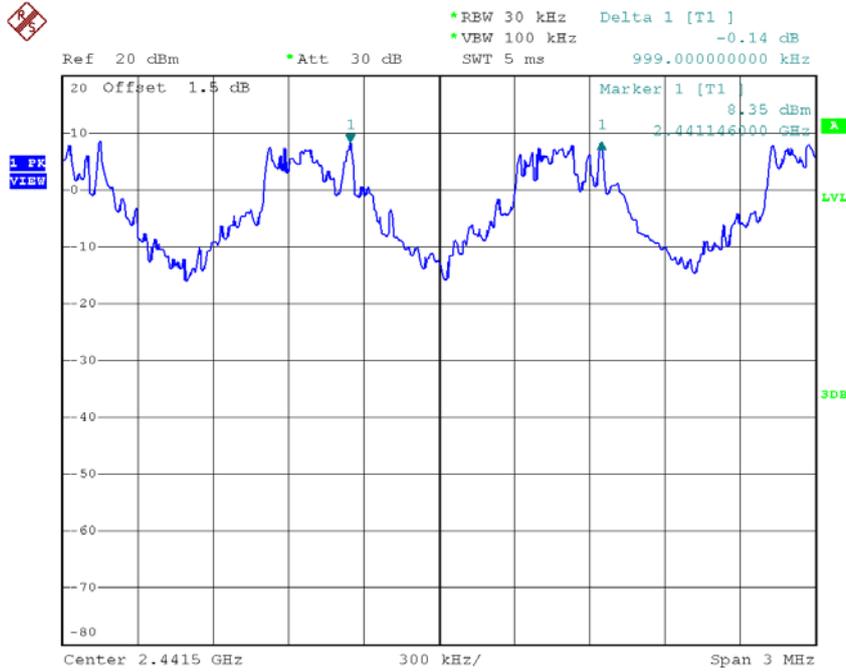
Test Mode : Hopping on \_1Mbps

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	1.069	0.684	Pass
2441	0.999	0.637	Pass
2480	1.066	0.643	Pass



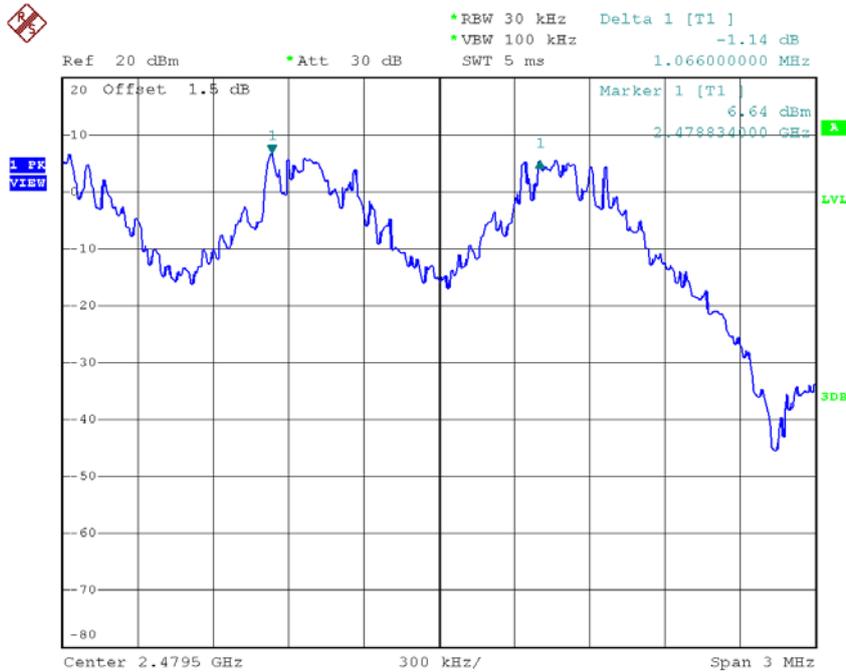
Date: 5.MAY.2017 12:23:01

### CH39



Date: 5.MAY.2017 12:24:09

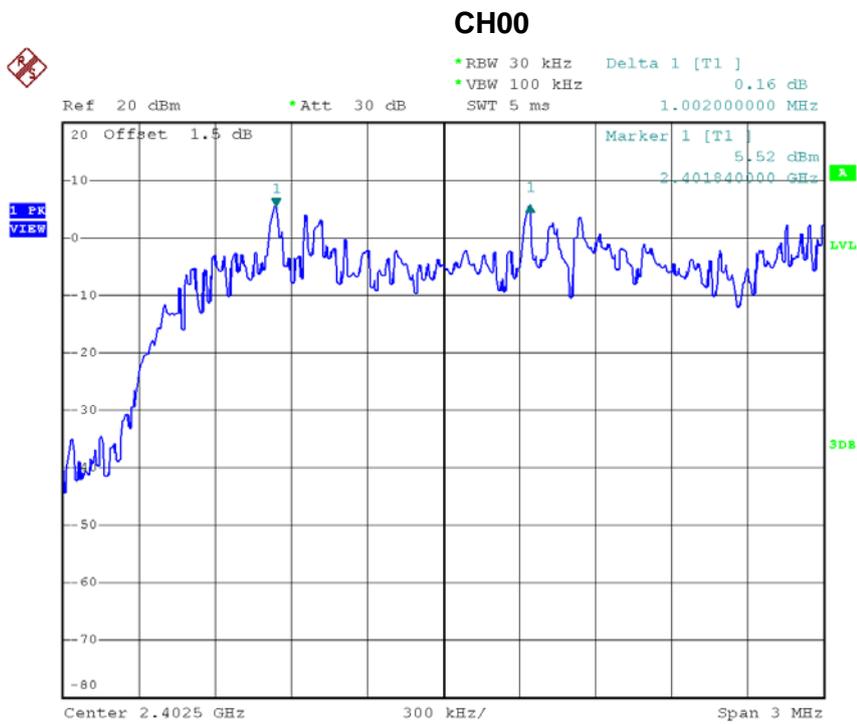
### CH78



Date: 5.MAY.2017 12:25:18

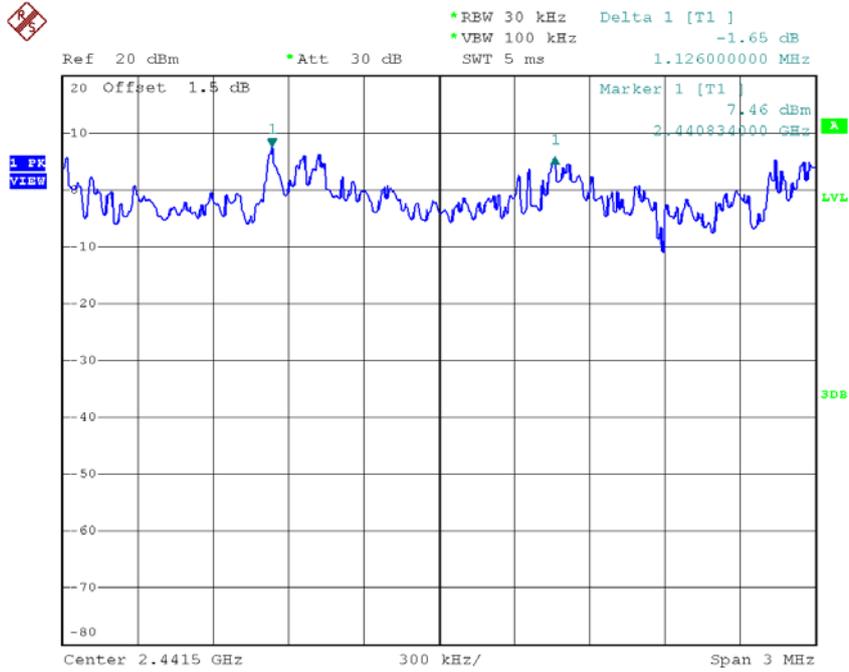
Test Mode : Hopping on \_3Mbps

Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	1.002	0.877	Pass
2441	1.126	0.868	Pass
2480	0.993	0.872	Pass



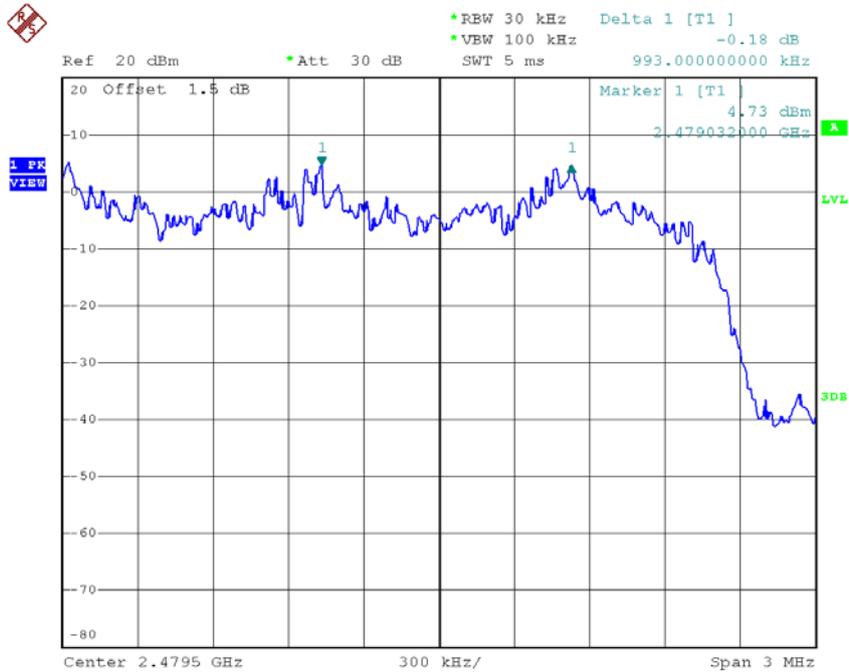
Date: 5.MAY.2017 14:16:39

### CH39



Date: 5.MAY.2017 14:17:48

### CH78

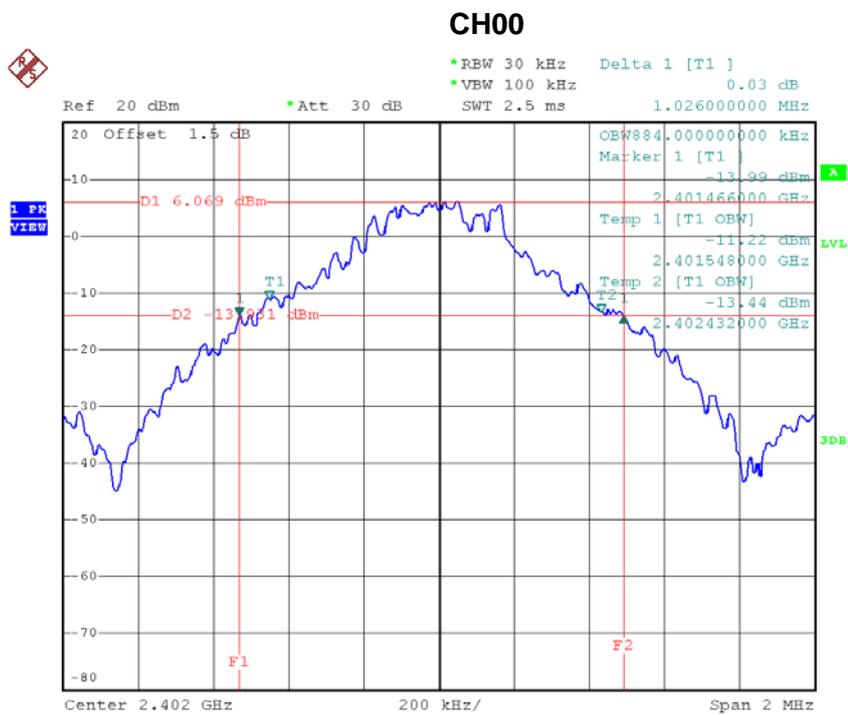


Date: 5.MAY.2017 14:18:56

## ATTACHMENT H - BANDWIDTH

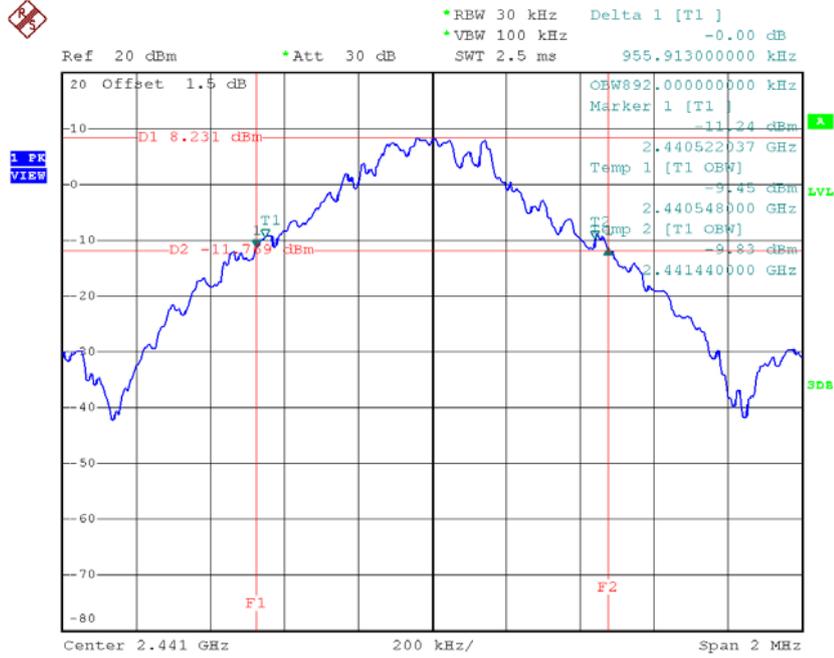
Test Mode : TX Mode \_1Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.026	0.884	Pass
2441	0.956	0.892	Pass
2480	0.964	0.888	Pass



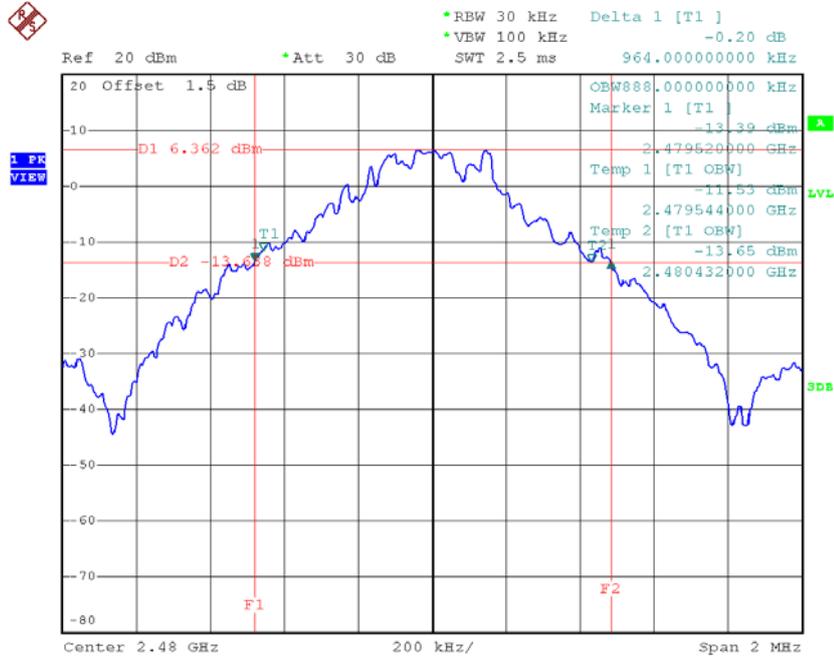
Date: 5.MAY.2017 12:16:41

### CH39



Date: 5.MAY.2017 12:18:24

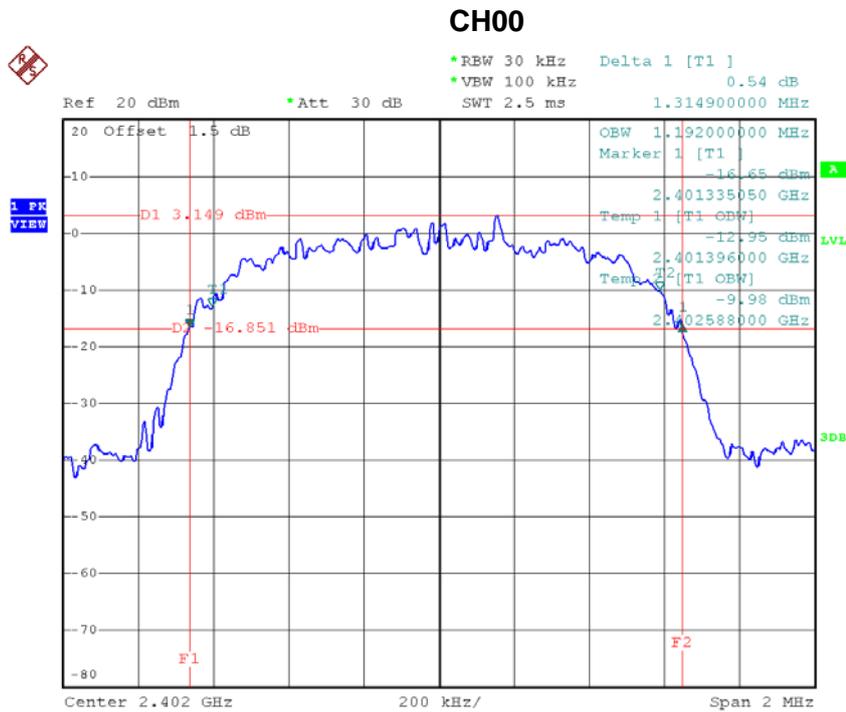
### CH78



Date: 5.MAY.2017 12:19:36

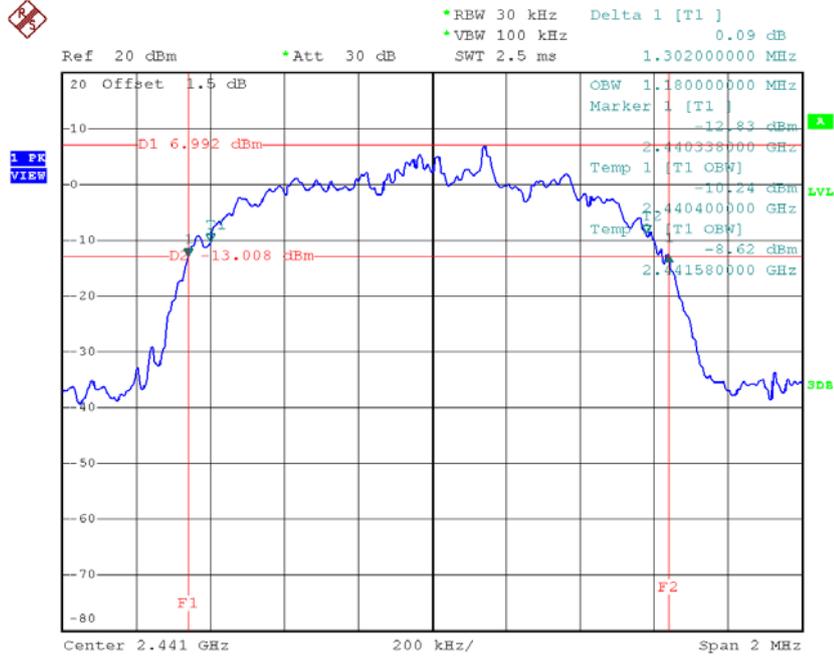
Test Mode : TX Mode \_3Mbps

Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.315	1.192	Pass
2441	1.302	1.180	Pass
2480	1.308	1.192	Pass



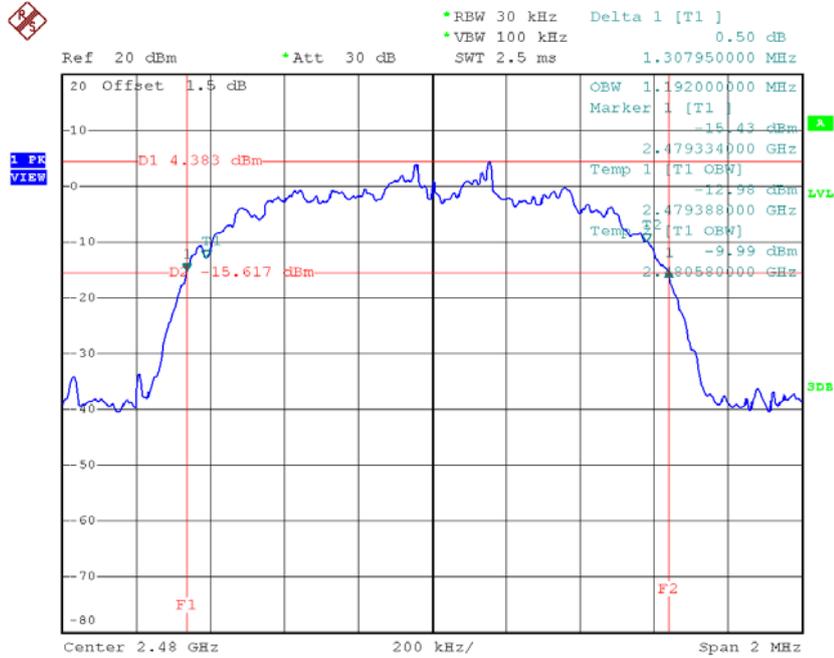
Date: 5.MAY.2017 14:10:44

CH39



Date: 5.MAY.2017 14:12:20

CH78

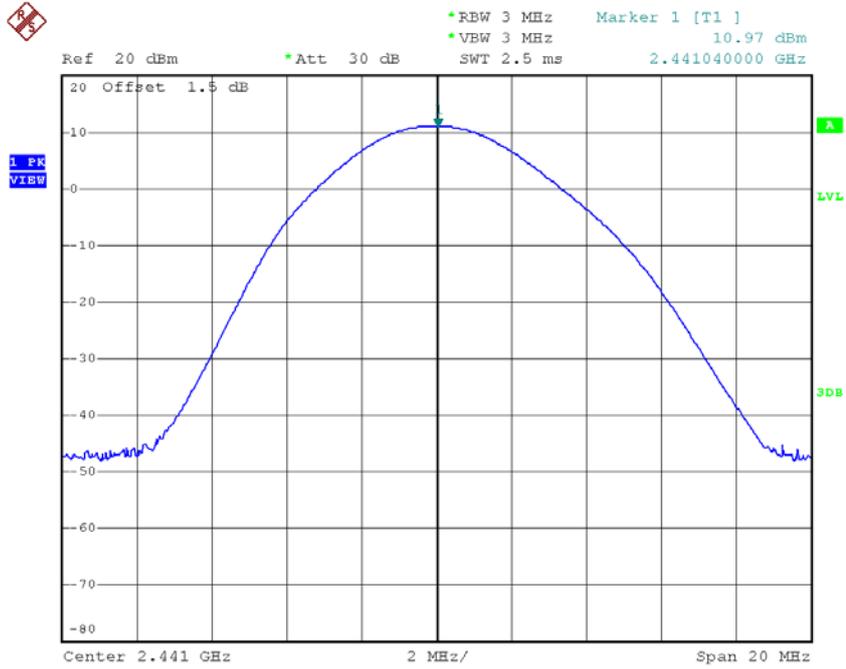


Date: 5.MAY.2017 14:13:02

## ATTACHMENT I - PEAK OUTPUT POWER

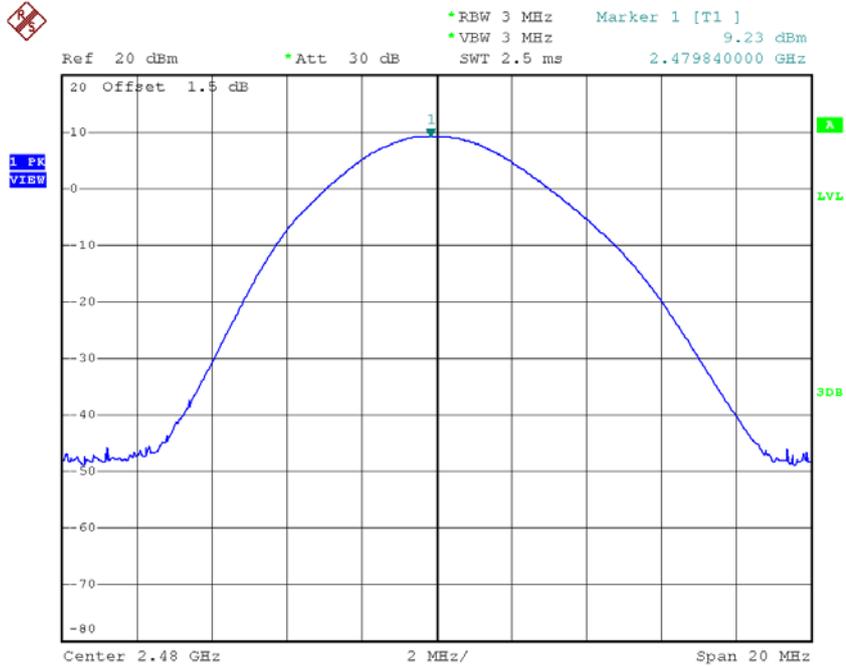


### CH39



Date: 5.MAY.2017 12:18:31

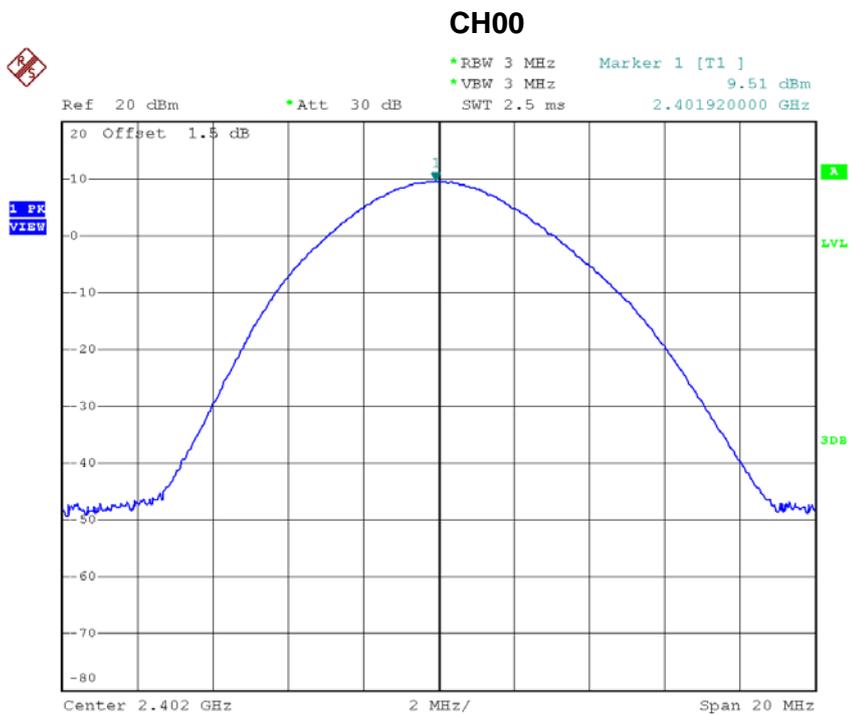
### CH78



Date: 5.MAY.2017 12:20:13

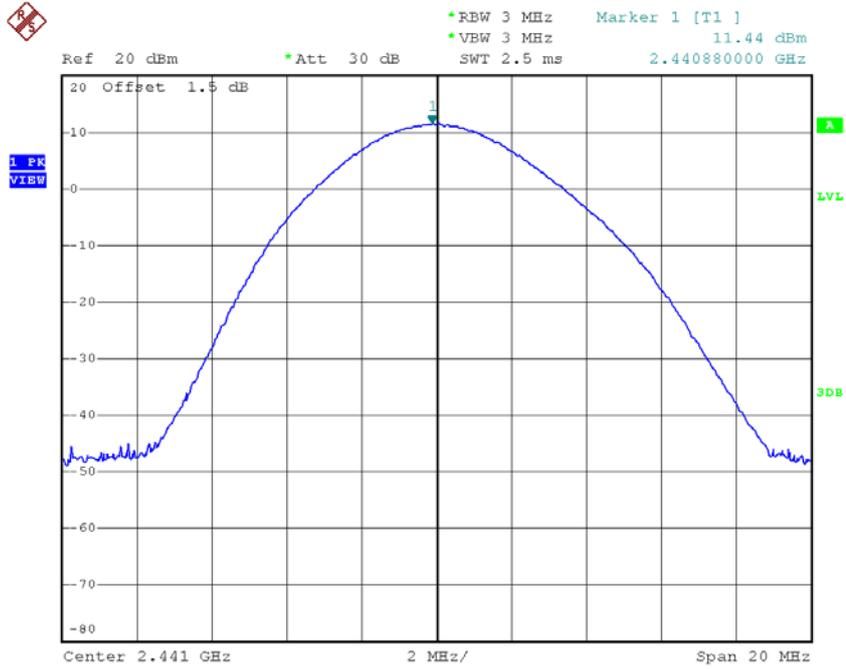
Test Mode : TX Mode \_3Mbps

Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	9.51	0.0089	30.00	1.00	Pass
2441	11.44	0.0139	30.00	1.00	Pass
2480	9.62	0.0092	30.00	1.00	Pass



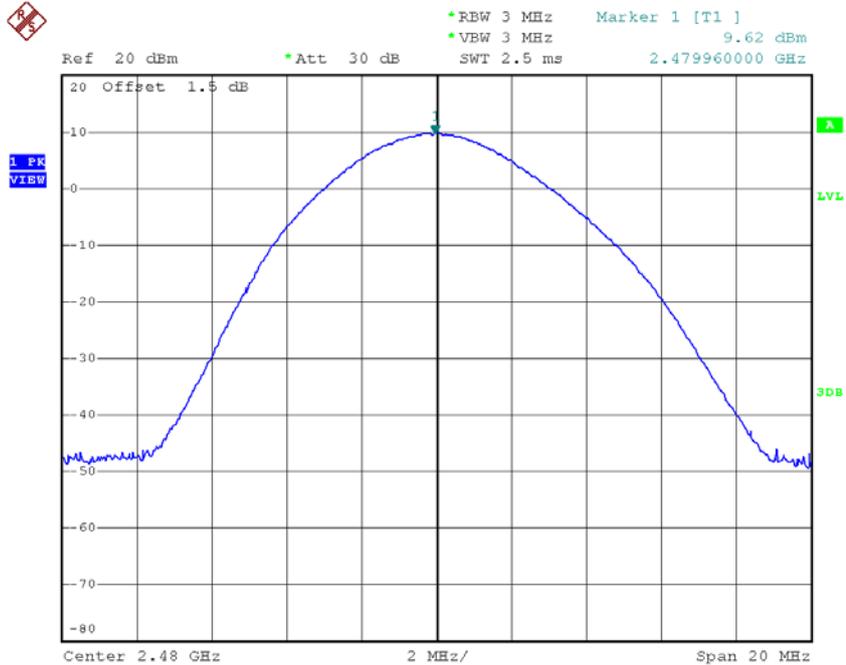
Date: 5.MAY.2017 14:11:21

### CH39



Date: 5.MAY.2017 14:12:27

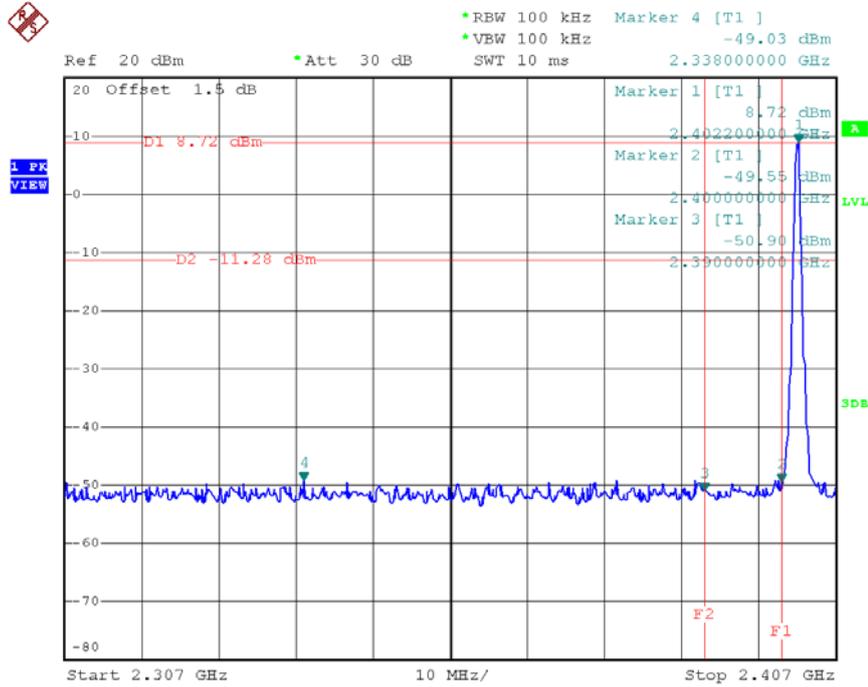
### CH78



Date: 5.MAY.2017 14:13:39

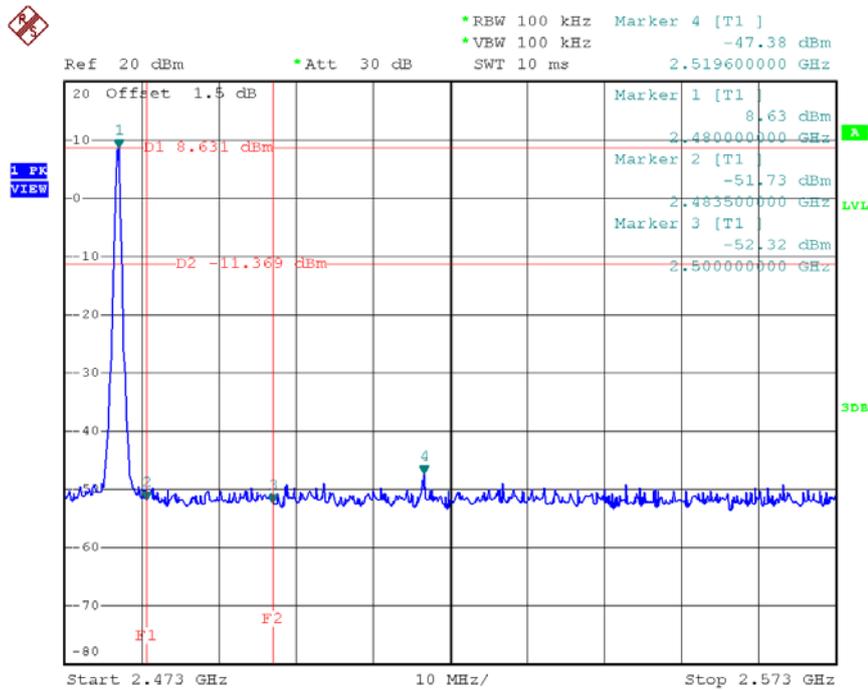
# ATTACHMENT J - ANTENNA CONDUCTED SPURIOUS EMISSION

### CH00 (Lower)\_1Mbps



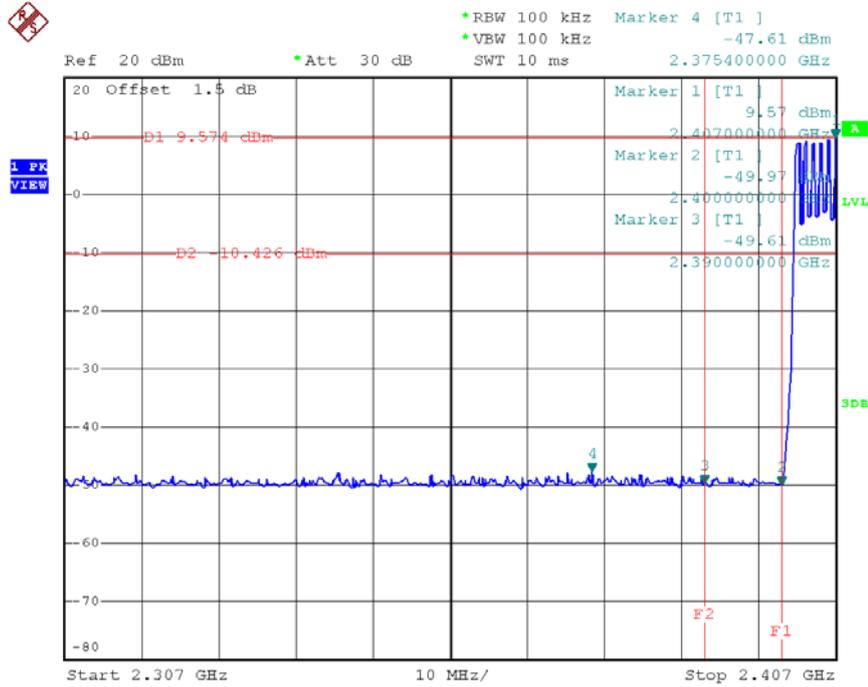
Date: 5.MAY.2017 12:16:15

### CH78 (Upper)\_1Mbps



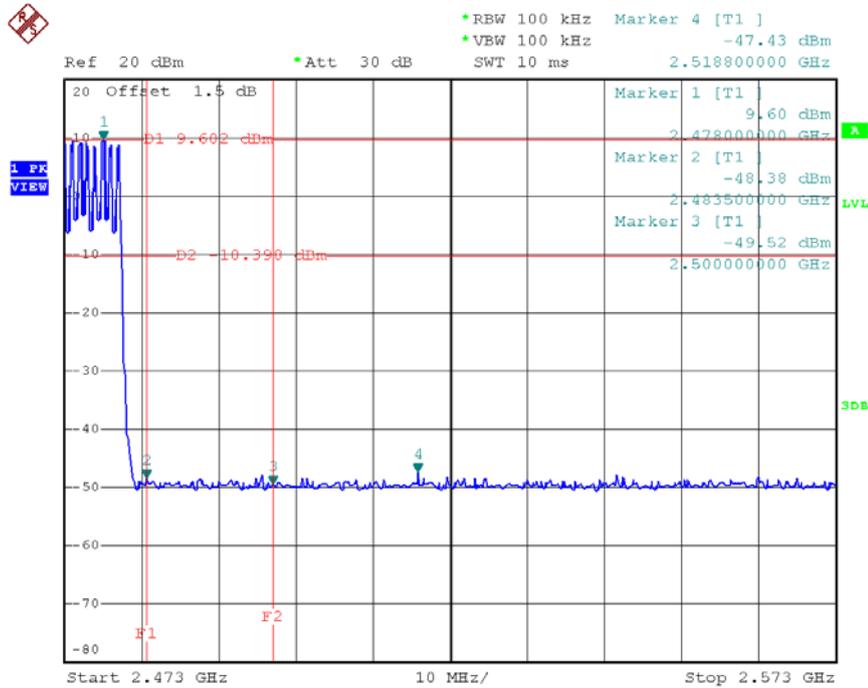
Date: 5.MAY.2017 12:19:11

### CH00 Hopping on mode (Lower)\_1Mbps



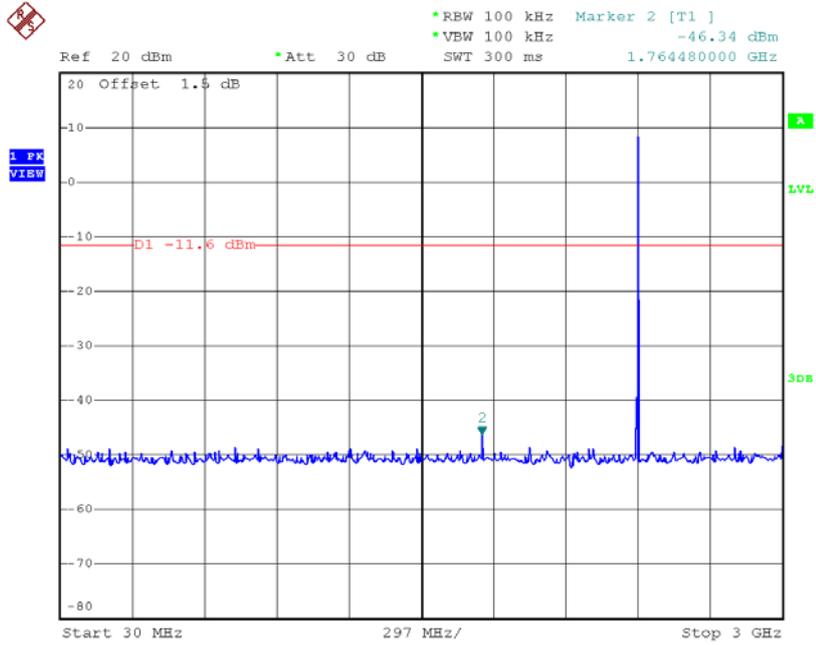
Date: 5.MAY.2017 12:31:13

### CH78 Hopping on mode (Upper)\_1Mbps

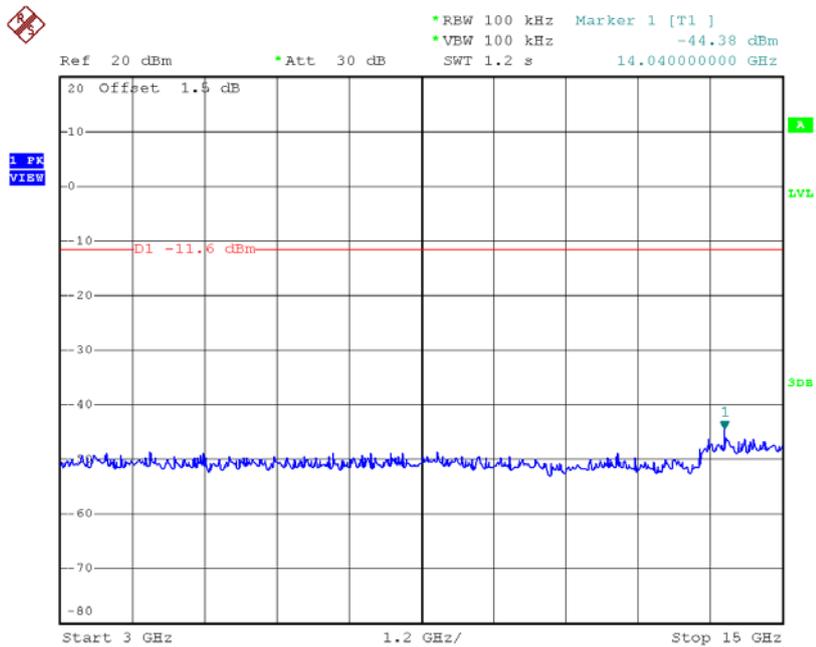


Date: 5.MAY.2017 12:33:48

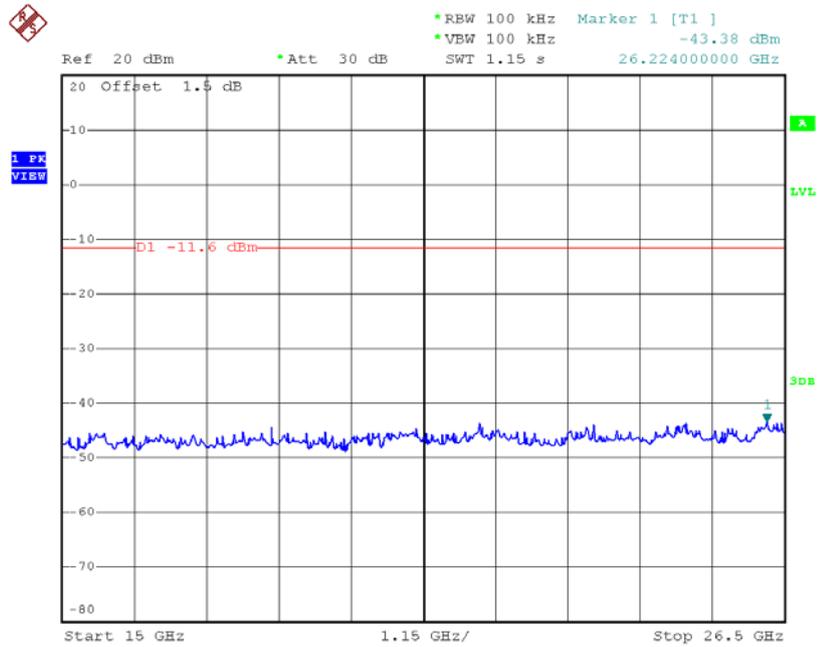
### CH00 (10 Harmonic of the frequency) \_1Mbps



Date: 5.MAY.2017 12:16:55

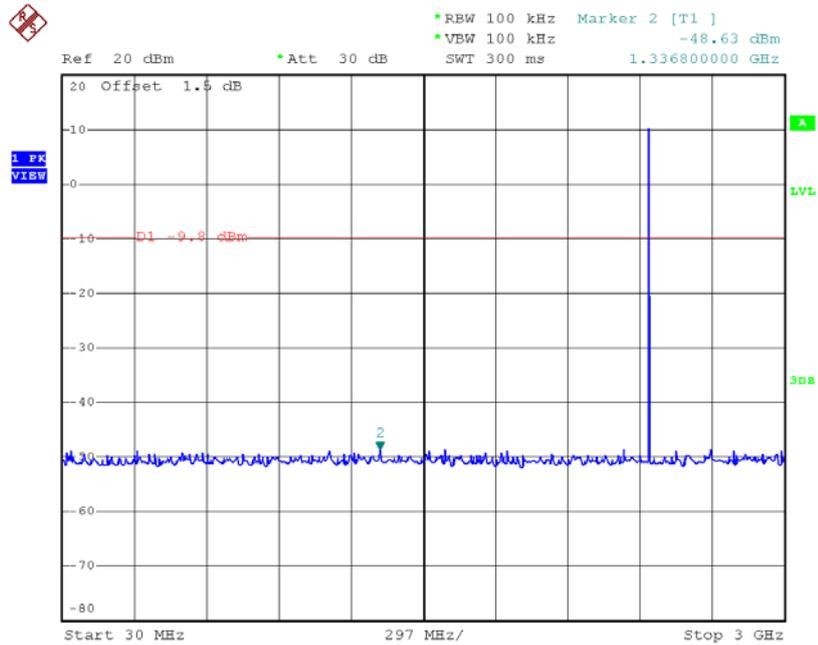


Date: 5.MAY.2017 12:17:03

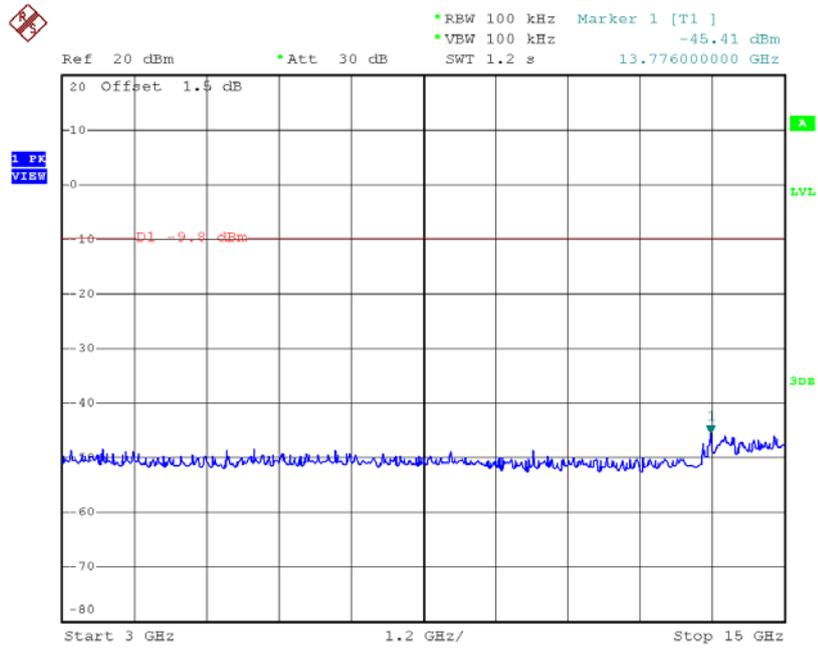


Date: 5.MAY.2017 12:17:11

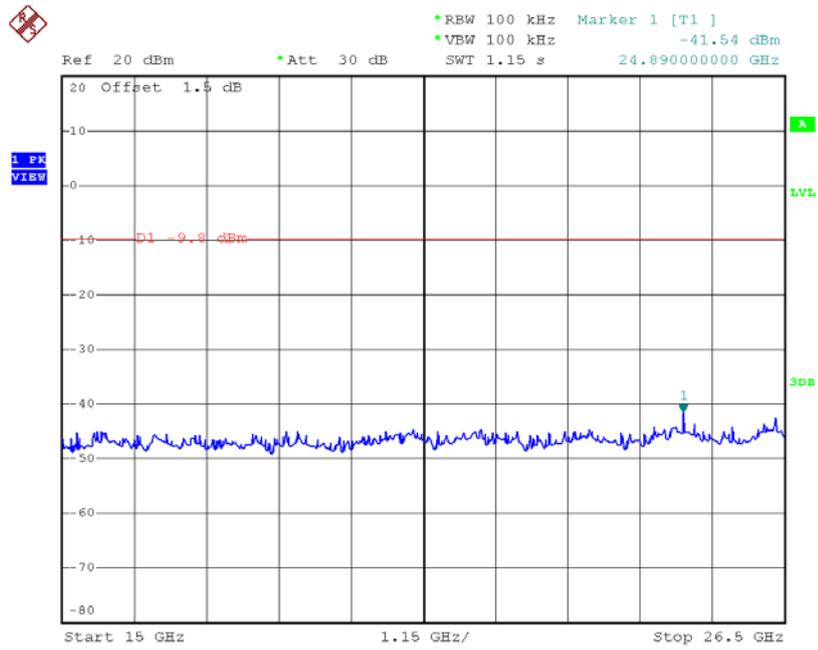
### CH39 (10 Harmonic of the frequency) \_1Mbps



Date: 5.MAY.2017 12:17:42

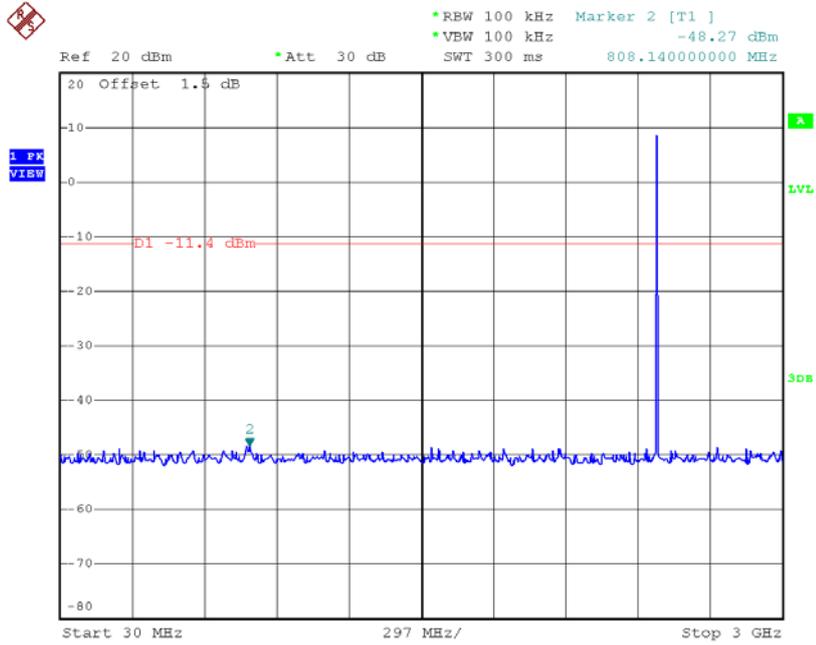


Date: 5.MAY.2017 12:17:50

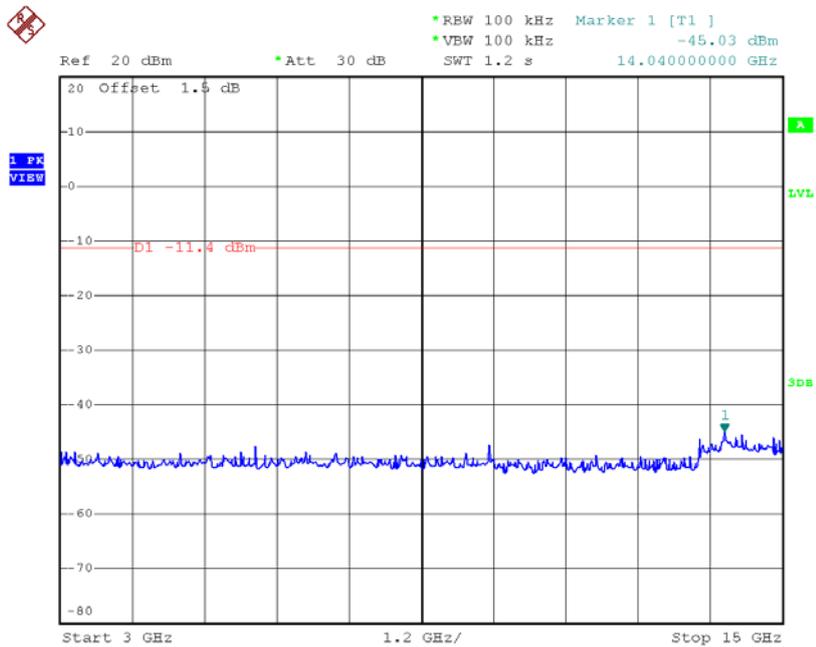


Date: 5.MAY.2017 12:17:59

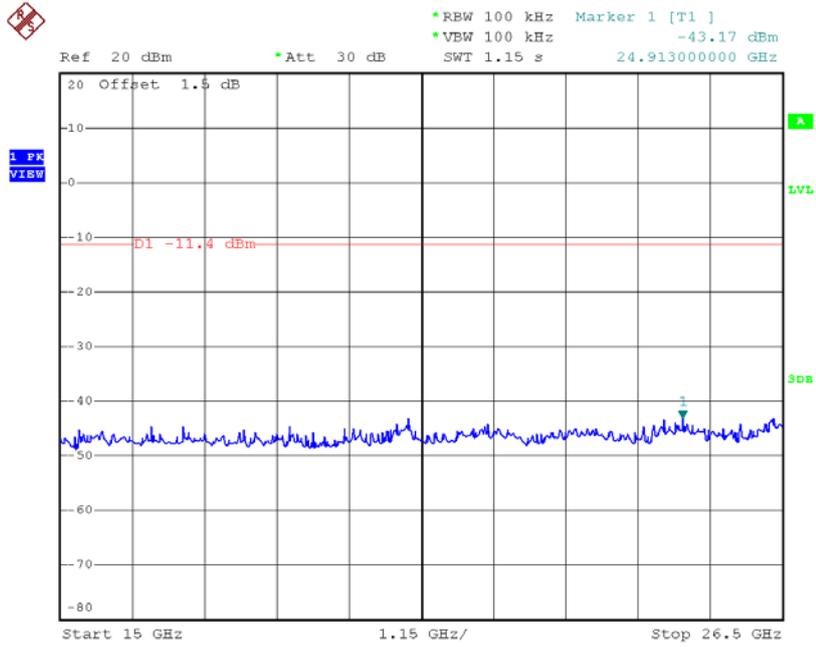
### CH78 (10 Harmonic of the frequency) \_1Mbps



Date: 5.MAY.2017 12:19:50

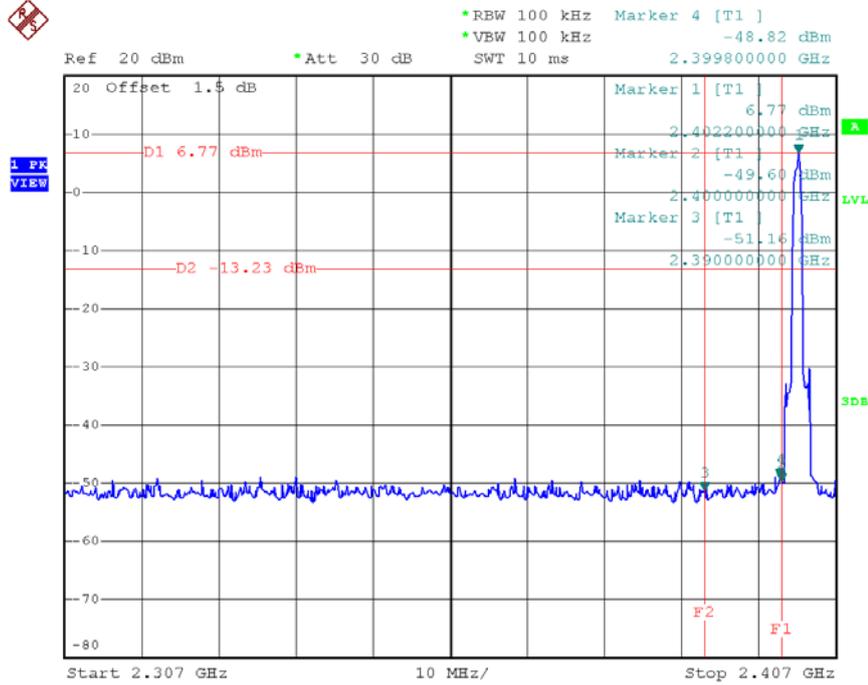


Date: 5.MAY.2017 12:19:58



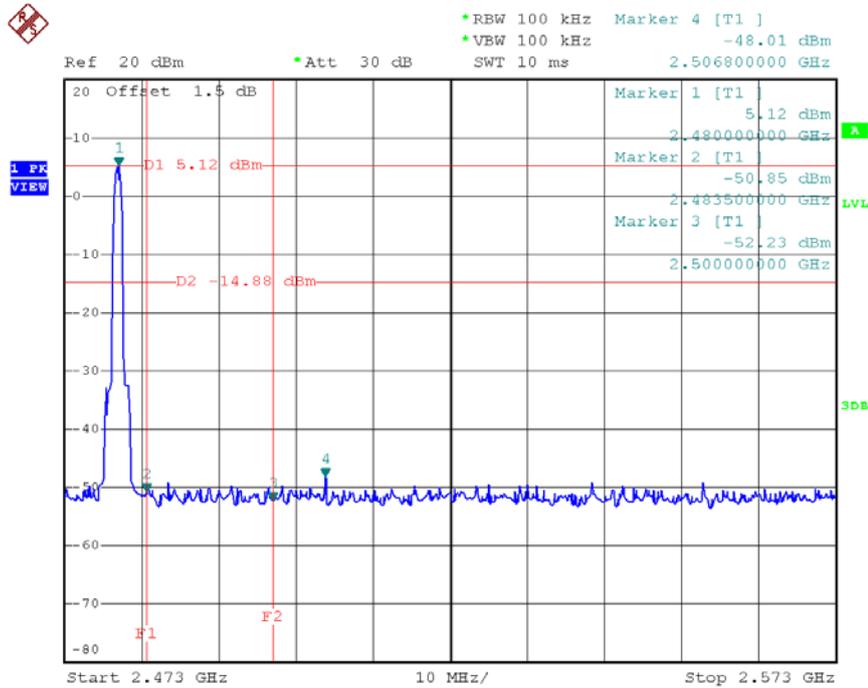
Date: 5.MAY.2017 12:20:07

### CH00 (Lower) \_3Mbps



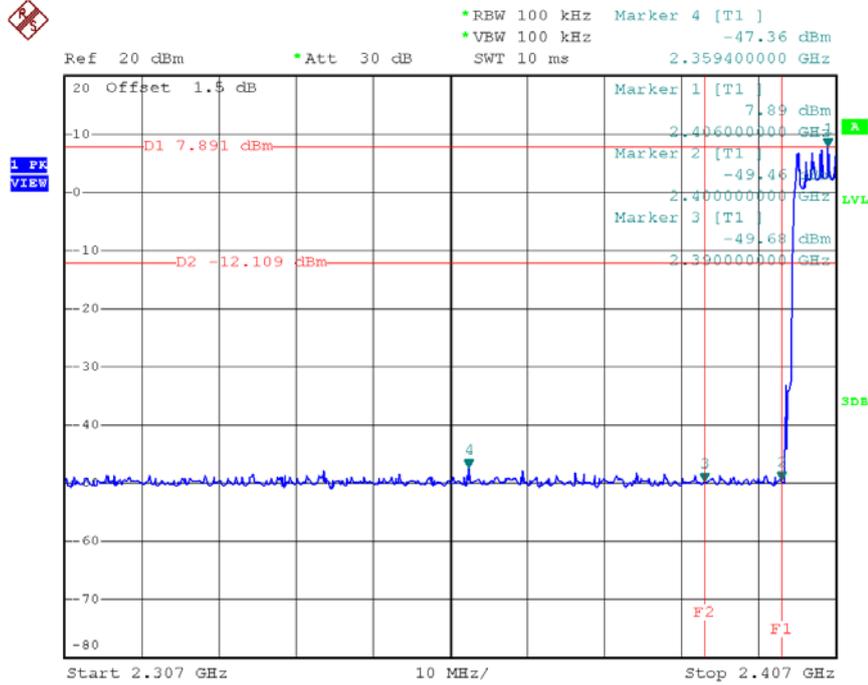
Date: 5.MAY.2017 14:10:23

### CH78 (Upper) \_3Mbps



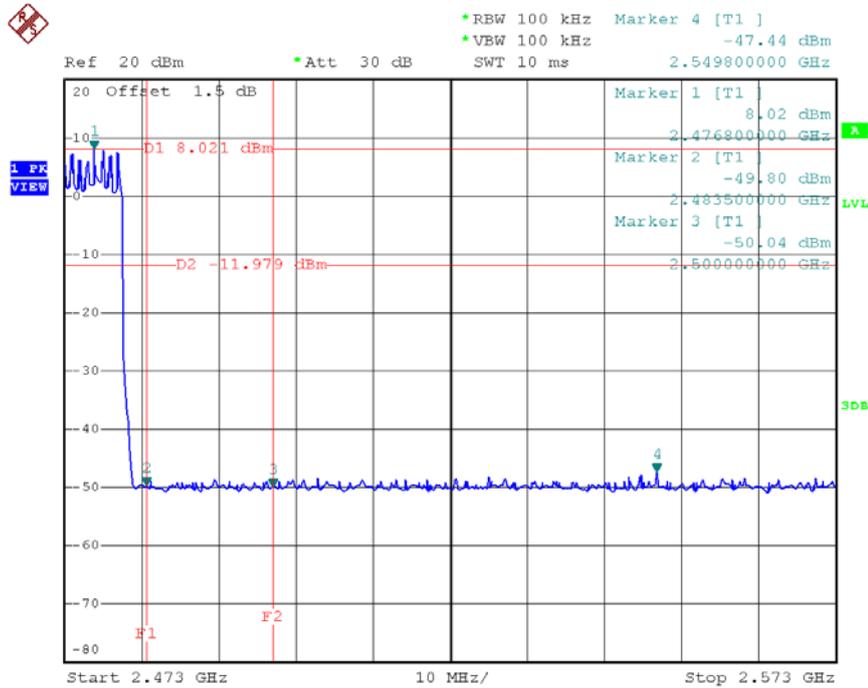
Date: 5.MAY.2017 14:12:43

### CH00 Hopping on mode (Lower)\_3Mbps



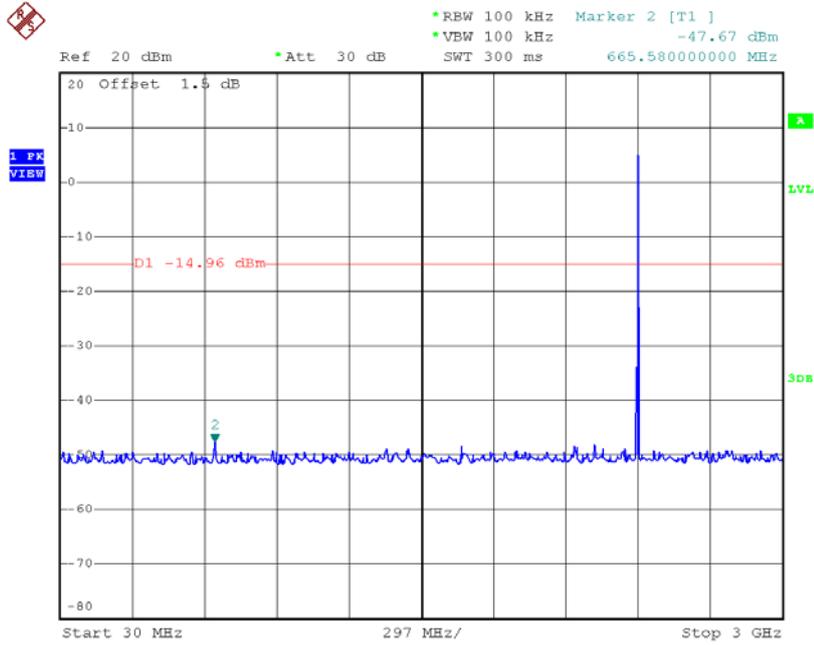
Date: 5.MAY.2017 14:23:49

### CH78 Hopping on mode (Upper)\_3Mbps

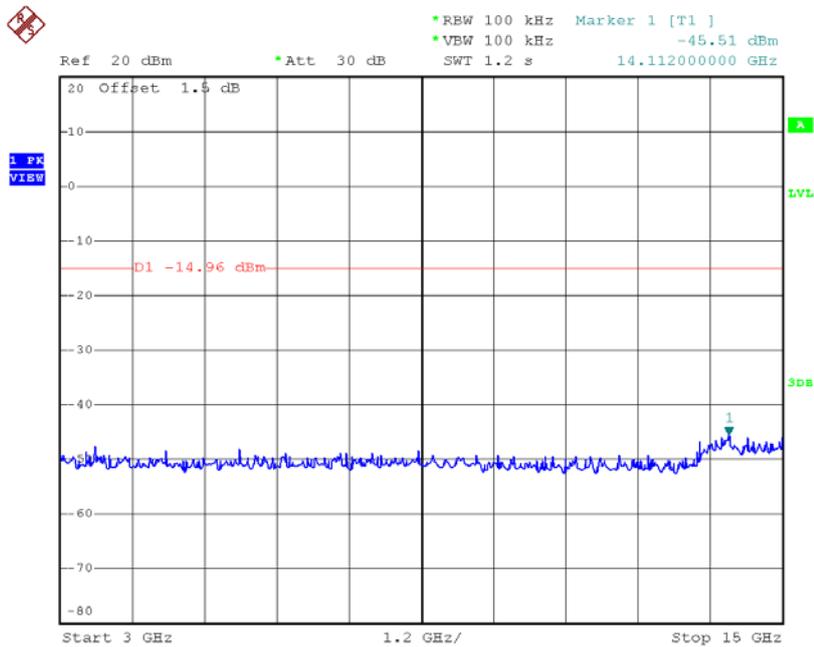


Date: 5.MAY.2017 14:25:24

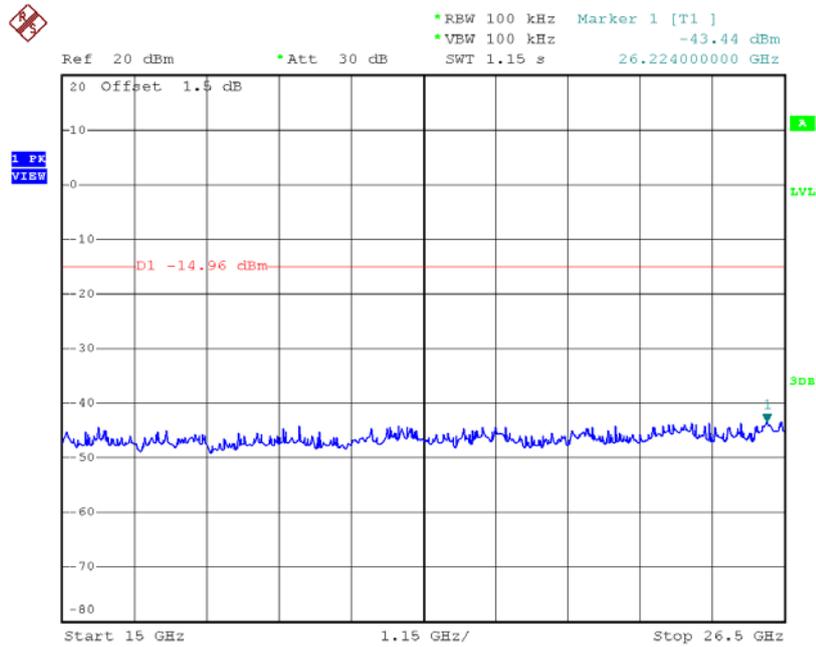
### CH00 (10 Harmonic of the frequency) \_3Mbps



Date: 5.MAY.2017 14:10:58

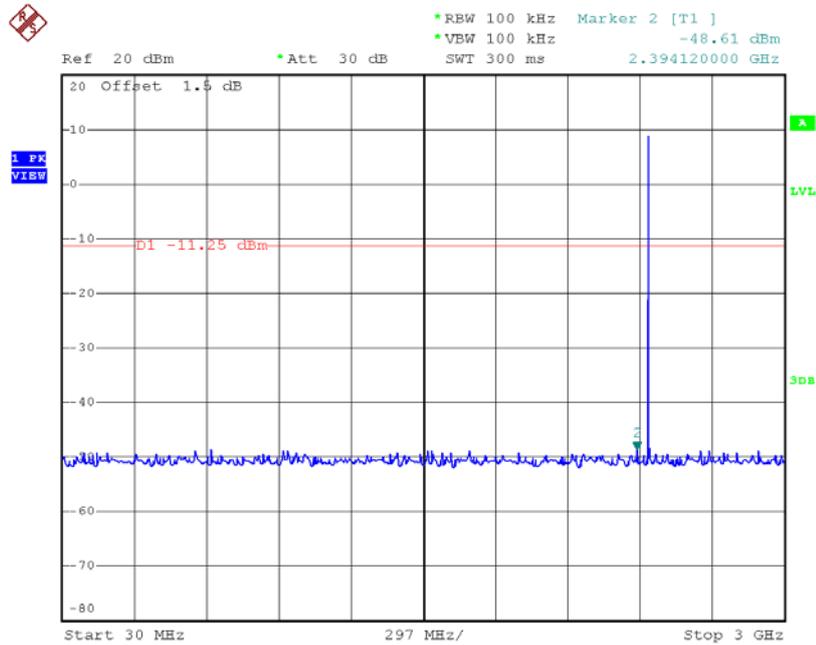


Date: 5.MAY.2017 14:11:06

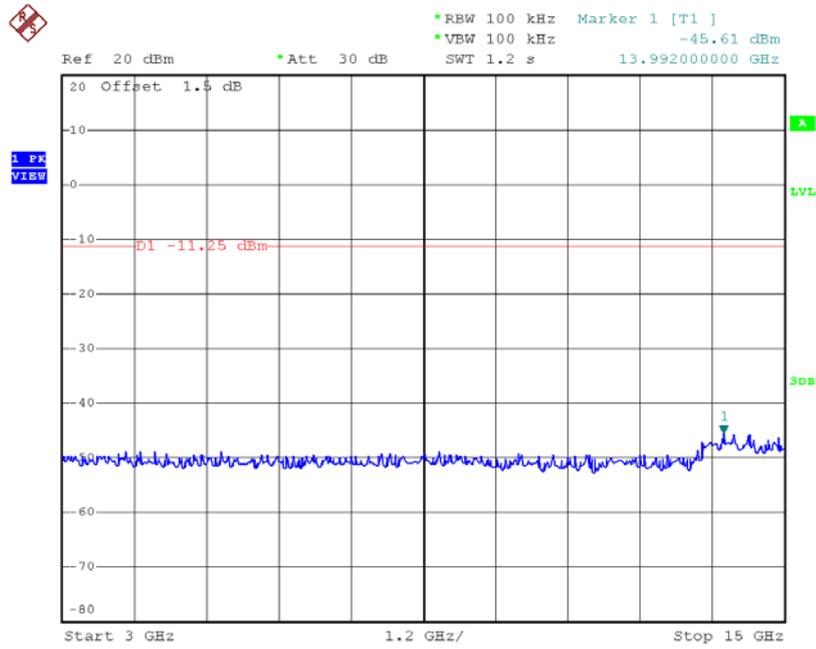


Date: 5.MAY.2017 14:11:14

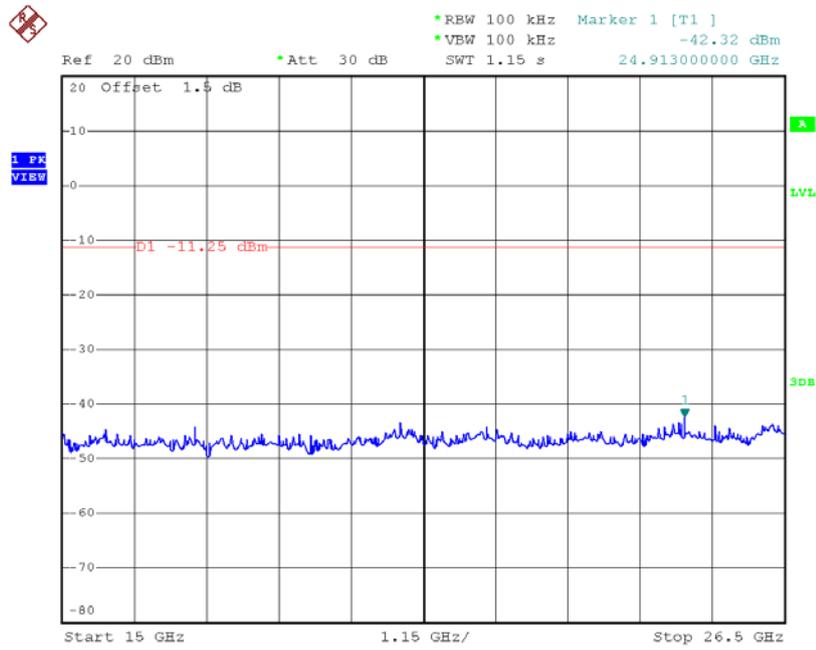
### CH39 (10 Harmonic of the frequency) \_3Mbps



Date: 5.MAY.2017 14:11:44

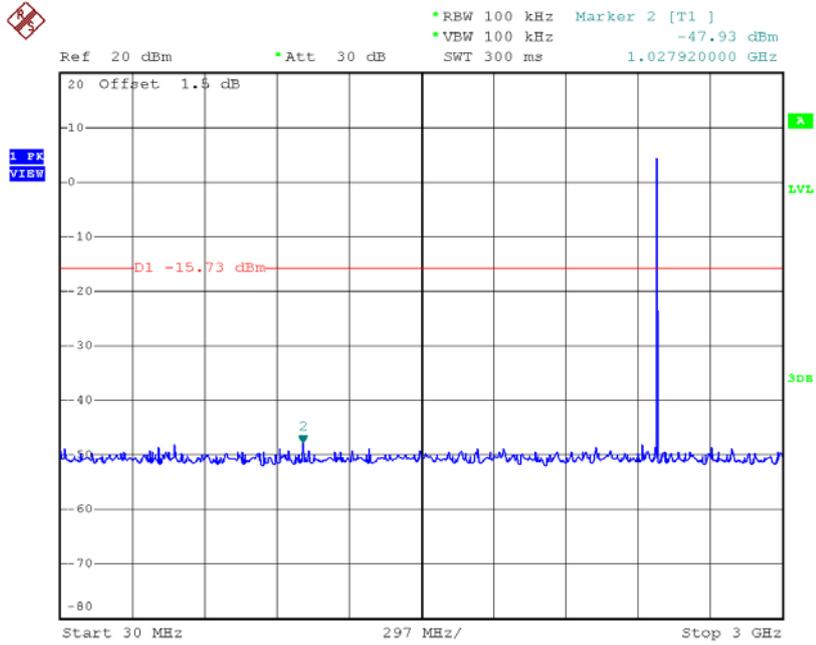


Date: 5.MAY.2017 14:11:52

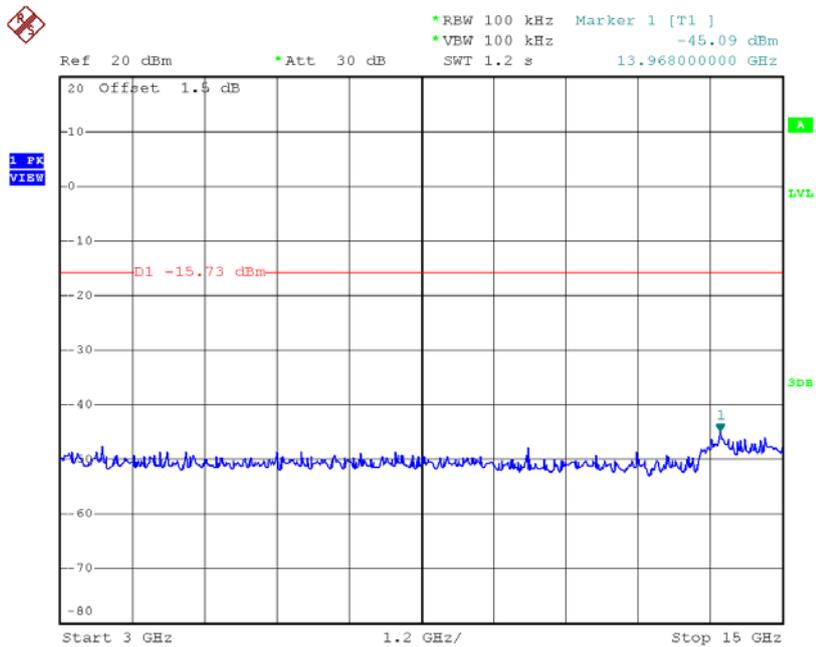


Date: 5.MAY.2017 14:12:01

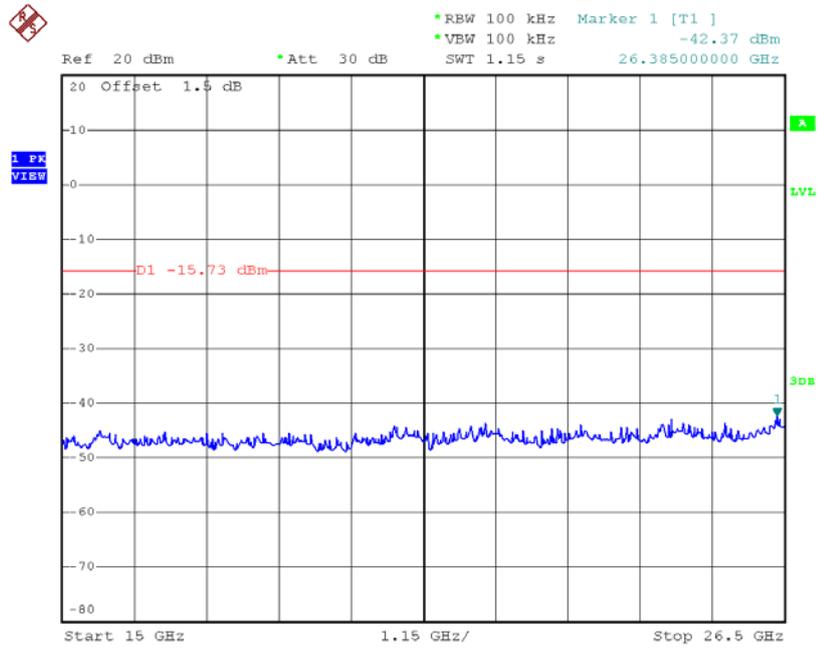
### CH78 (10 Harmonic of the frequency) \_3Mbps



Date: 5.MAY.2017 14:13:16



Date: 5.MAY.2017 14:13:25



Date: 5.MAY.2017 14:13:33