

FCC Radio Test Report

FCC ID: QISDIG-LX3

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

Project No. : 1612C149
Equipment : Smart Phone
Model Name : DIG-L23, DIG-L03
Applicant : Huawei Technologies Co., Ltd
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd., Bantian, Longgang District Shenzhen China

Date of Receipt : Dec. 14, 2016
Date of Test : Dec. 14, 2016 ~ Jan. 04, 2017
Issued Date : Jan. 05, 2017
Tested by : BTL Inc.

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REPORT ISSUED HISTORY

Issued No.	Description	Issued Date
BTL-FCCP-1-1612C149	Original Issue.	Jan. 05, 2017

1. CERTIFICATION

Equipment : Smart Phone
Brand Name : HUAWEI
Model Name : DIG-L23, DIG-L03
Applicant : Huawei Technologies Co., Ltd
Manufacturer : Huawei Technologies Co., Ltd
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District Shenzhen China
Factory : Huawei Technologies Co., Ltd
Address : Administration Building, Headquarters of Huawei Technologies Co., Ltd.,
Bantian, Longgang District Shenzhen China
Date of Test : Dec. 14, 2016 ~ Jan. 04, 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-1-1612C149) 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 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℃
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	Smart Phone	
Brand Name	HUAWEI	
Model Name	DIG-L23, DIG-L03	
Model Difference	All hardwares of the model DIG-L23 and DIG-L03 are the same. These two models are only differ in SIM card that DIG-L23 has double cards of SIM 1 and SIM 2, while DIG-L03 has single card SIM 1 by software conductively-closed. Model DIG-L23 has been evaluated completed, and the test datas of SIM 1 are re-used to model DIG-L03.	
Output Power (Max.)	Operation Frequency	2402~2480 MHz
	Modulation Technology	GFSK(1Mbps) π /4-DQPSK(2Mbps)
	Bit Rate of Transmitter	8-DPSK(3Mbps)
	Output Power Max.	10.98 dBm (1Mbps) 11.96 dBm (3Mbps)
Power Source	#1 DC Voltage supplied from AC/DC adapter. #2 Battery Supplied.	
Power Rating	#1 Input: 100~240V Output: 5V  1.0A #2 DC 3.82V 2920mAh	
HW Version	HL1DIGM	
SW Version	Diego-L23C469B005	

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	HB405979ECW
	Desay Battery Co., Ltd.	HB405979ECW
USB Cable	LUXSHARE-ICT Co., Ltd.	L99U2013-CS-H
	Chang Shu Honglin Technology Co., Ltd.	130-26654
	FOXCONN INTERCONNECT TECHNOLOGY	CUBB01M-HC208-DH
Earphone	JIANGXI LIANCHUANG HONGSHENG ELECTRONIC CO., LTD	MEMD1632B580C00
	BOLUO COUNTY QUANCHENG ELECTRONIC CO., LTD	1311-3291-3.5mm-229
	Goer Tek Inc	NA12
	MERRY ELECTRONICS (SHENZHEN) CO., LTD.	EMC309-001
Adapter	DONGGUAN PHITEK ELECTRONICS CO., LTD.	HW-050100U01
	SHENZHEN HUNTKEY ELECTRONIC CO., LTD.	
	HUIZHOU BYD ELECTRONIC CO., LTD.	

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	HUAWEI	N/A	PCB	N/A	0.8

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)

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 Note (1)

Note:

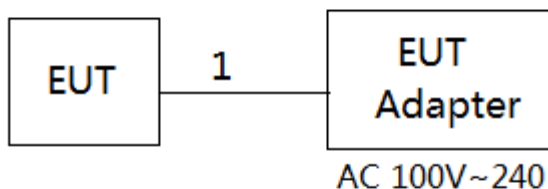
- (1) The measurements are performed at the high, middle, low available channels.
- (2) The measurements for Hopping Channel Separation, Bandwidth and Peak Output Power were tested during 1Mbps, 2Mbps and 3Mbps, the worst case are 1Mbps and 3Mbps, only worst case was documented.
- (3) The EUT was pre-tested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

Test Software Version	QRCT		
Frequency	2402 MHz	2441 MHz	2480 MHz
BT 1Mbps	9	9	9
BT 3Mbps	9	9	9

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	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

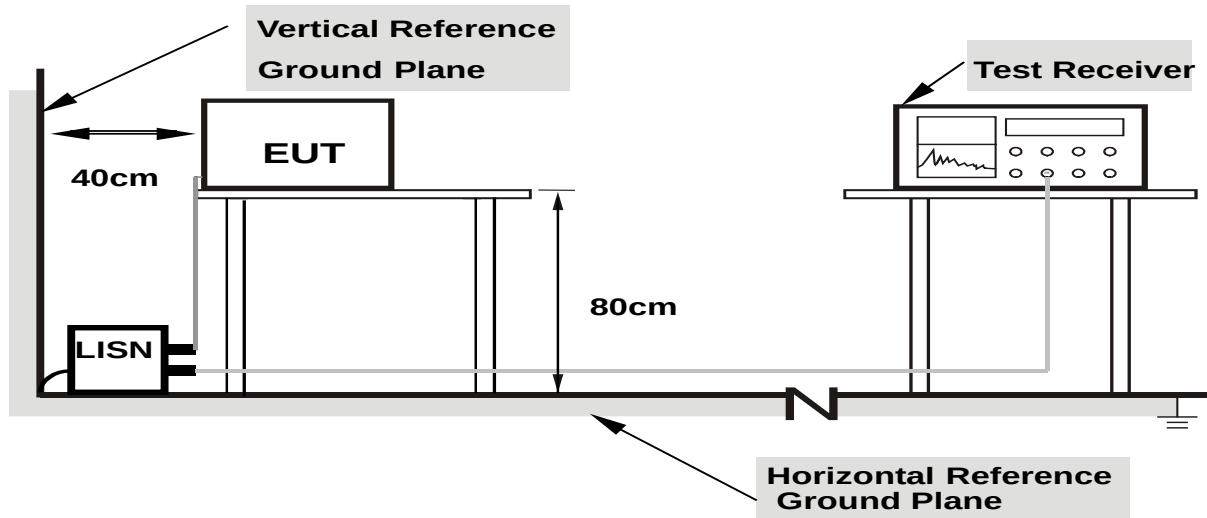
4.1.2 TEST PROCEDURE

- 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

$$(5) \quad FS_{\text{limit}} = FS_{\text{max}} - 20 \log \left(\frac{d_{\text{limit}}}{d_{\text{measure}}} \right)$$

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

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

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

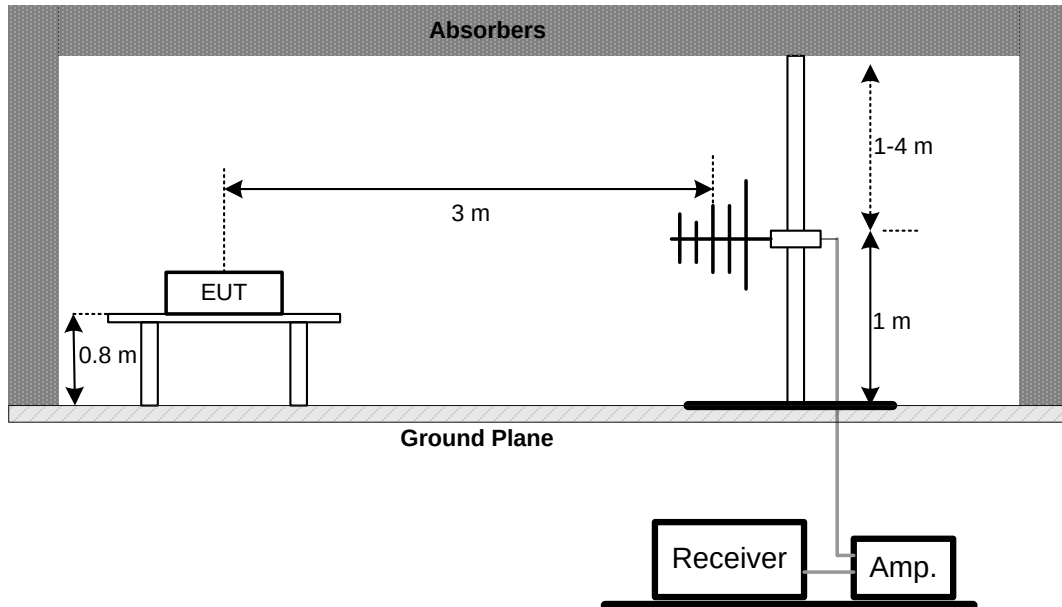
- The measuring distance of 3 m shall be used for measurements. The EUT was placed on the top of a rotating table 0.8 meter above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.(below 1GHz)
- The measuring distance of 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)
- 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.
- 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).
- 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.
- 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.
- 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)
- 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)
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.2.3 DEVIATION FROM TEST STANDARD

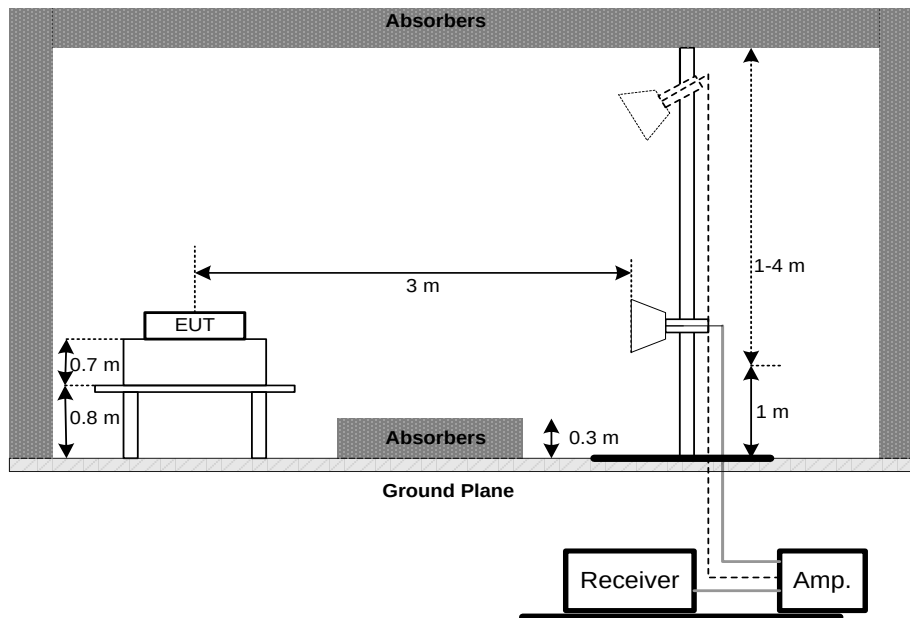
No deviation

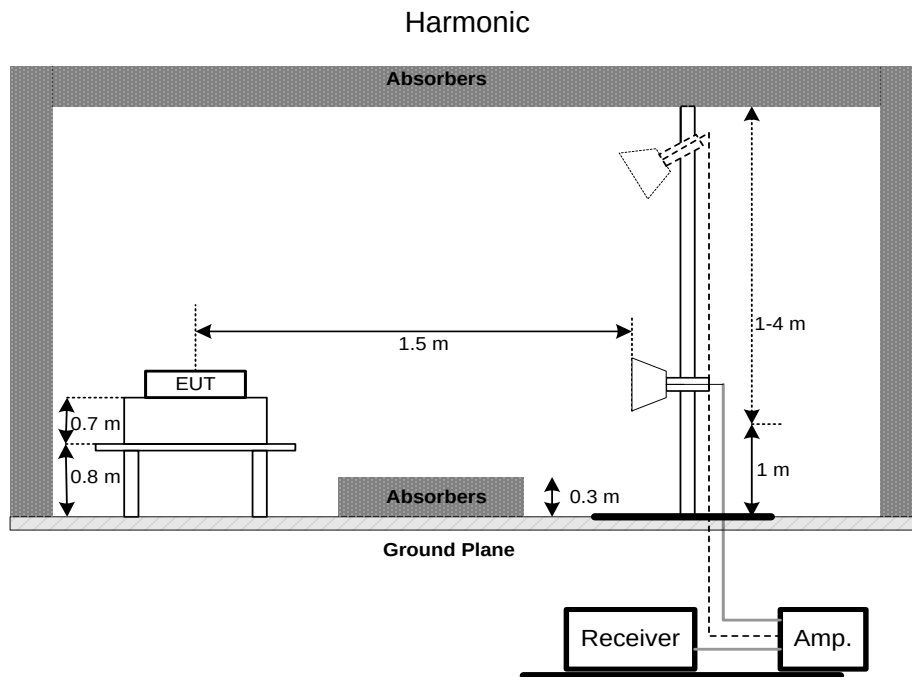
4.2.4 TEST SETUP

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

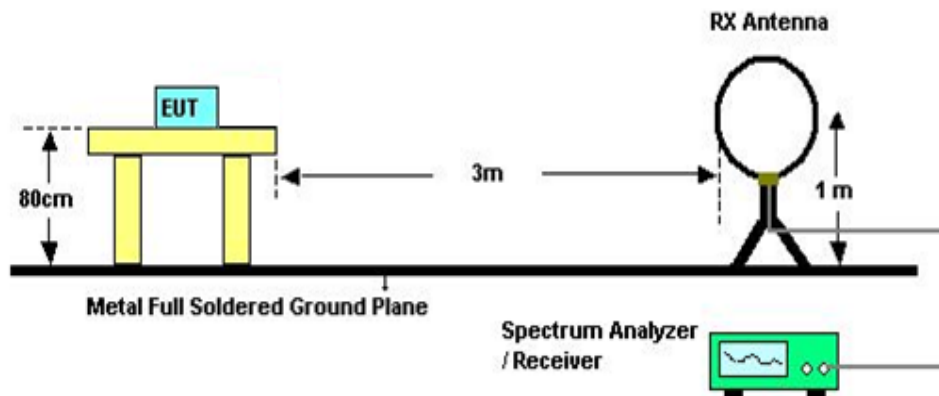


(B) Radiated Emission Test Set-Up Frequency Above 1 GHz Band edge





(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

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- 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

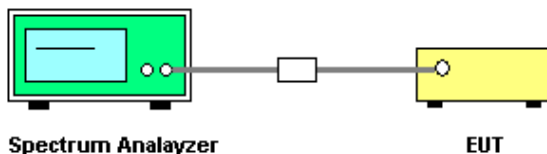
7.1.1 TEST PROCEDURE

- The EUT must have its hopping function enabled
- 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

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- 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

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- 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

- The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- Spectrum Setting: RBW= 100KHz, VBW=100KHz, Sweep time = Auto.
- 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	LISN	EMCO	3816/2	0052765	Mar. 27, 2017
2	LISN	R&S	ENV216	101447	Mar. 27, 2017
3	Test Cable	emci	RG223(9KHz-30 MHz)	C_17	Mar. 10, 2017
4	EMI Test Receiver	R&S	ESCI	100382	Mar. 27, 2017
5	50Ω Terminator	SHX	TF2-3G-A	08122901	Mar. 27, 2017
6	Measurement Software	Farad	EZ-EMC Ver.NB-03A1-01	N/A	N/A

Radiated Emission Measurement					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Antenna	Schwarbeck	VULB9160	9160-3232	Mar. 27, 2017
2	Amplifier	HP	8447D	2944A09673	Mar. 10, 2017
3	Receiver	AGILENT	N9038A	MY52130039	Sep. 04, 2017
4	Test Cable	emci	LMR-400(30MHz-1GHz)	C-01	Jun. 26, 2017
5	Control	CT	SC100	N/A	N/A
6	Position Control	MF	MF-7802	MF780208416	N/A
7	Antenna	ETS	3115	00075789	Mar. 27, 2017
8	Amplifier	Agilent	8449B	3008A02274	Mar. 10, 2017
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. 23, 2017
13	Microwave Preamplifier With Adaptor	EMC INSTRUMENT	EMC2654045	980039 & HA01	Mar. 27, 2017
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

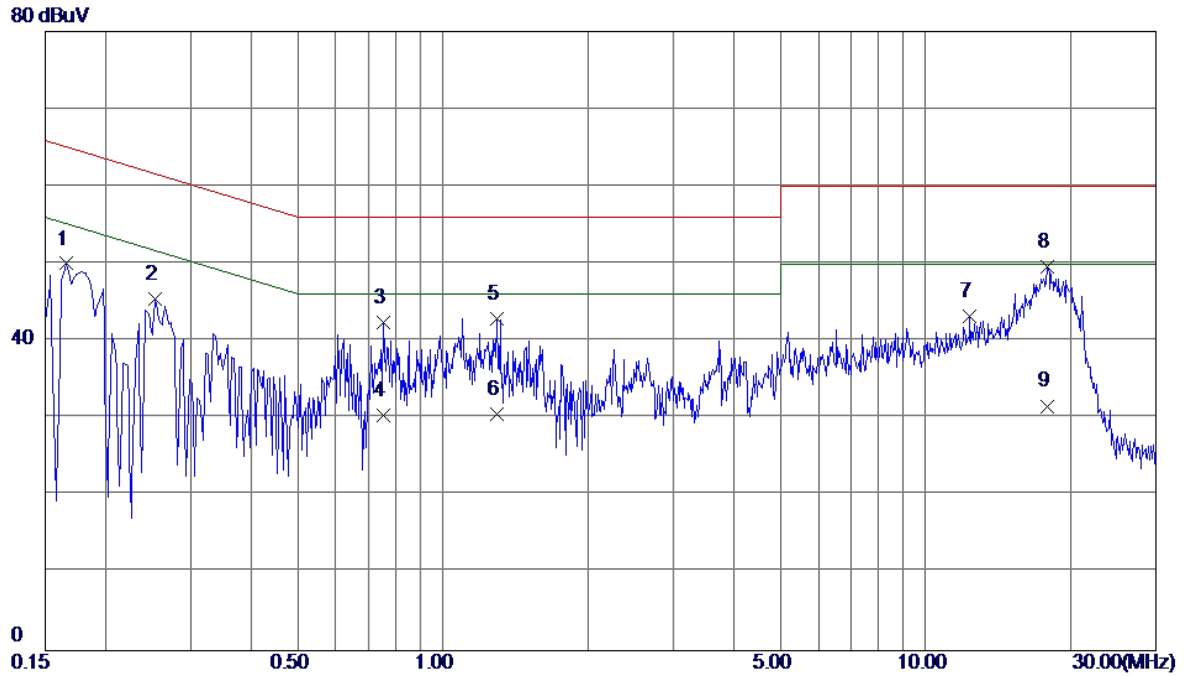
Antenna Conducted Spurious Emission					
Item	Kind of Equipment	Manufacturer	Type No.	Serial No.	Calibrated until
1	Spectrum Analyzer	R&S	FSP 40	100185	Sep. 04, 2017

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:BYD

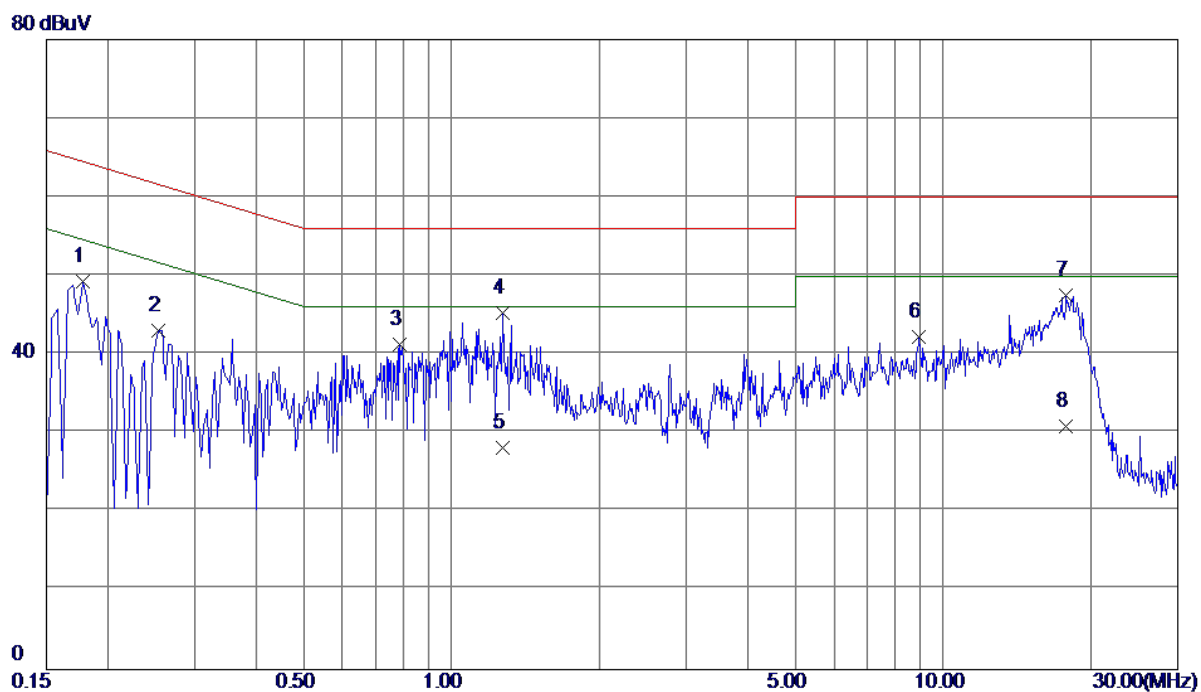
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1660	40.43	9.57	50.00	65.16	-15.16	Peak	
2	0.2540	35.83	9.57	45.40	61.63	-16.23	Peak	
3	0.7539	32.64	9.77	42.41	56.00	-13.59	Peak	
4	0.7539	20.60	9.77	30.37	46.00	-15.63	AVG	
5	1.2900	32.92	9.89	42.81	56.00	-13.19	Peak	
6	1.2900	20.60	9.89	30.49	46.00	-15.51	AVG	
7	12.3340	32.60	10.59	43.19	60.00	-16.81	Peak	
8 *	17.8980	38.80	10.76	49.56	60.00	-10.44	Peak	
9	17.8980	20.84	10.76	31.60	50.00	-18.40	AVG	

Test Mode: TX Mode_Adapter:BYD

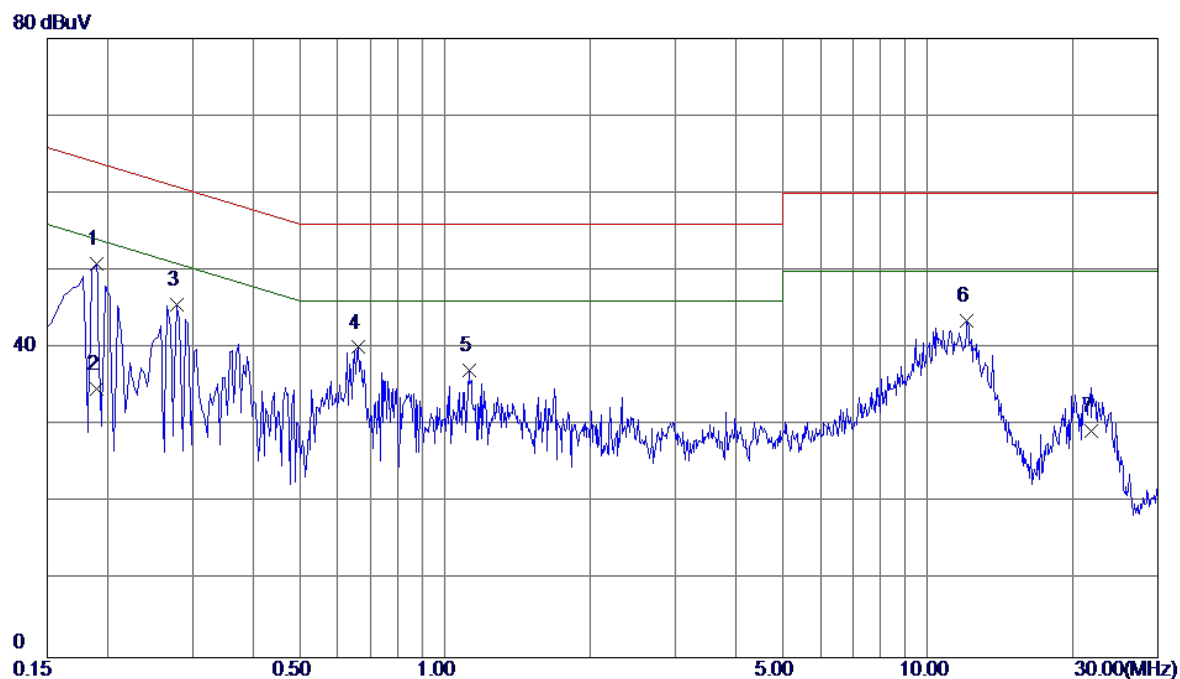
Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1780	39.73	9.50	49.23	64.58	-15.35	Peak	
2	0.2540	33.53	9.57	43.10	61.63	-18.53	Peak	
3	0.7860	31.73	9.60	41.33	56.00	-14.67	Peak	
4 *	1.2740	35.52	9.76	45.28	56.00	-10.72	Peak	
5	1.2740	18.45	9.76	28.21	46.00	-17.79	AVG	
6	8.9460	31.79	10.45	42.24	60.00	-17.76	Peak	
7	17.7580	36.67	10.81	47.48	60.00	-12.52	Peak	
8	17.7580	20.14	10.81	30.95	50.00	-19.05	AVG	

Test Mode: TX Mode_Adapter:PHITEK

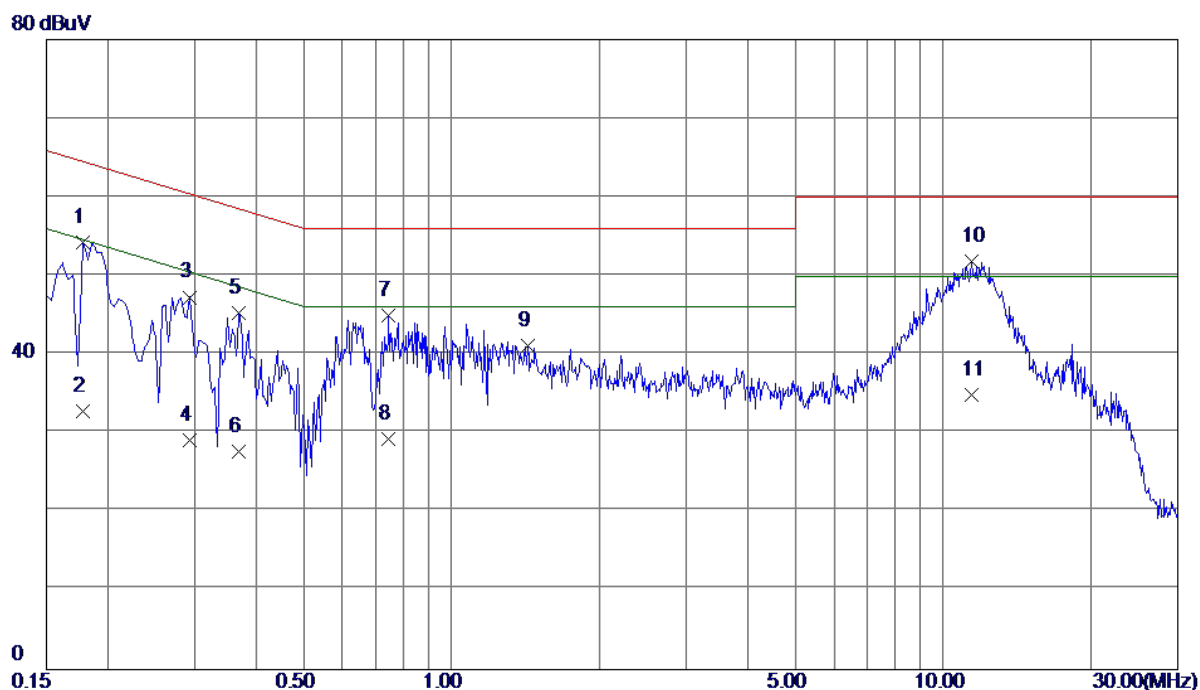
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1 *	0.1900	41.34	9.57	50.91	64.04	-13.13	Peak	
2	0.1900	25.18	9.57	34.75	54.04	-19.29	AVG	
3	0.2779	36.03	9.58	45.61	60.88	-15.27	Peak	
4	0.6620	30.37	9.71	40.08	56.00	-15.92	Peak	
5	1.1220	27.20	9.85	37.05	56.00	-18.95	Peak	
6	12.0659	32.89	10.58	43.47	60.00	-16.53	Peak	
7	21.8100	18.42	10.81	29.23	60.00	-30.77	Peak	

Test Mode:	TX Mode_Adapter:PHITEK
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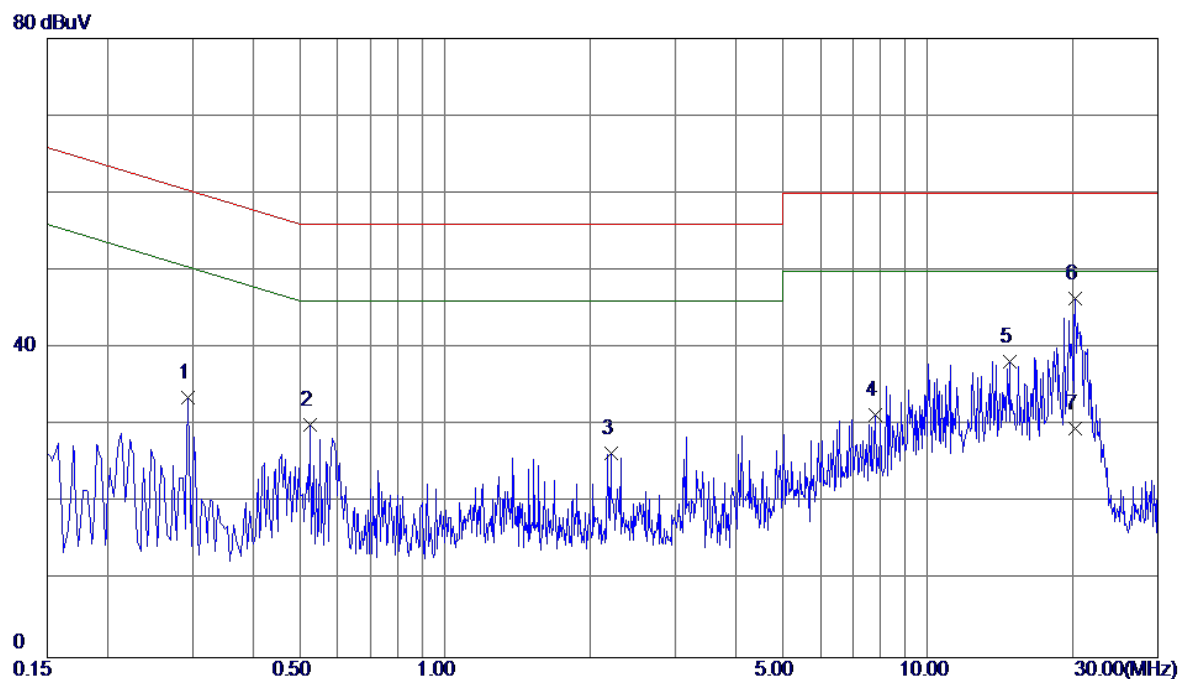
Neutral



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1780	44.77	9.50	54.27	64.58	-10.31	Peak	
2	0.1780	23.37	9.50	32.87	54.58	-21.71	AVG	
3	0.2940	37.70	9.58	47.28	60.41	-13.13	Peak	
4	0.2940	19.47	9.58	29.05	50.41	-21.36	AVG	
5	0.3700	35.80	9.54	45.34	58.50	-13.16	Peak	
6	0.3700	18.16	9.54	27.70	48.50	-20.80	AVG	
7	0.7460	35.34	9.56	44.90	56.00	-11.10	Peak	
8	0.7460	19.70	9.56	29.26	46.00	-16.74	AVG	
9	1.4260	31.37	9.77	41.14	56.00	-14.86	Peak	
10 *	11.4340	41.23	10.62	51.85	60.00	-8.15	Peak	
11	11.4340	24.30	10.62	34.92	50.00	-15.08	AVG	

Test Mode: TX Mode_Adapter:HUNTKEY

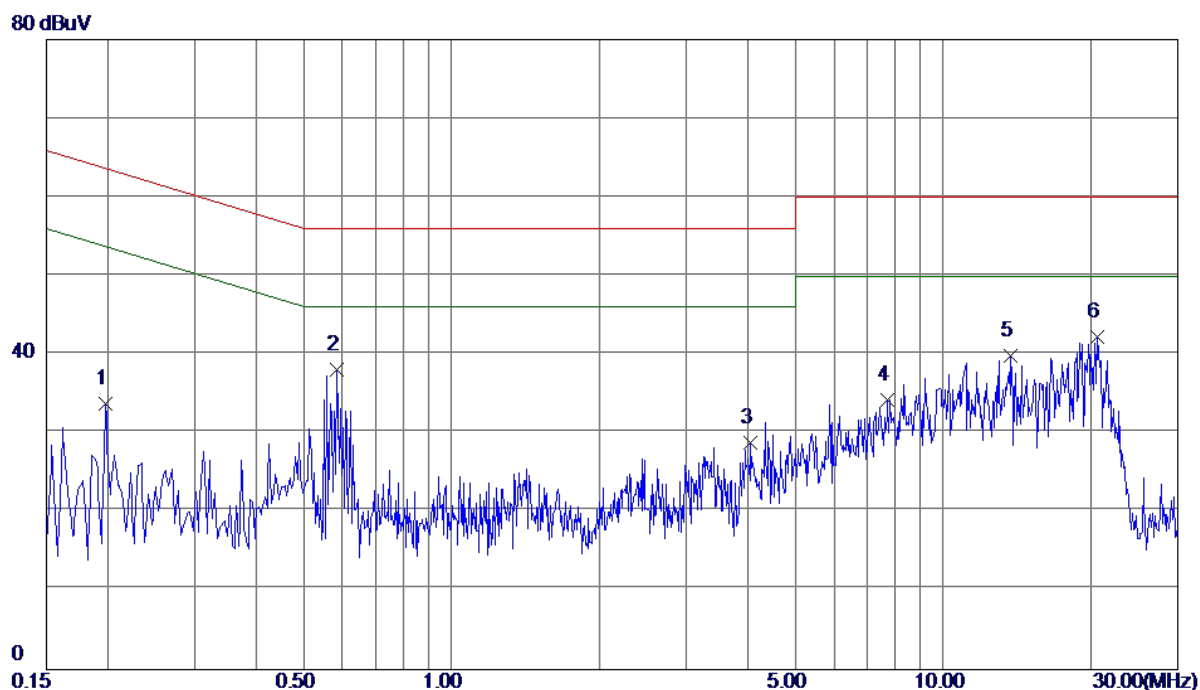
Line



No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.2940	24.04	9.58	33.62	60.41	-26.79	Peak	
2	0.5260	20.37	9.69	30.06	56.00	-25.94	Peak	
3	2.2060	16.26	10.10	26.36	56.00	-29.64	Peak	
4	7.8100	20.95	10.43	31.38	60.00	-28.62	Peak	
5	14.7860	27.51	10.69	38.20	60.00	-21.80	Peak	
6 *	20.1980	35.58	10.80	46.38	60.00	-13.62	Peak	
7	20.1980	18.75	10.80	29.55	50.00	-20.45	AVG	

Test Mode: TX Mode_Adapter:HUNTKEY

Neutral

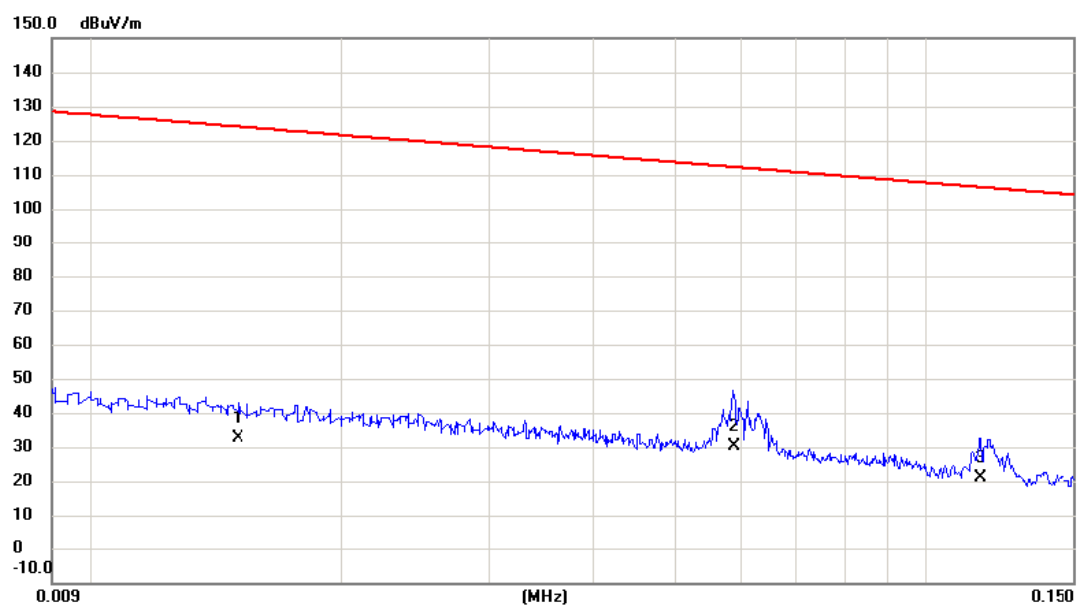


No.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure ment dBuV	Limit dBuV	Margin dB	Detector	Comment
1	0.1980	24.21	9.56	33.77	63.69	-29.92	Peak	
2	0.5860	28.64	9.50	38.14	56.00	-17.86	Peak	
3	4.0500	18.77	10.10	28.87	56.00	-27.13	Peak	
4	7.7140	23.98	10.30	34.28	60.00	-25.72	Peak	
5	13.7180	29.12	10.67	39.79	60.00	-20.21	Peak	
6 *	20.6100	31.28	10.91	42.19	60.00	-17.81	Peak	

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

Test Mode: TX Mode_Adapter:BYD

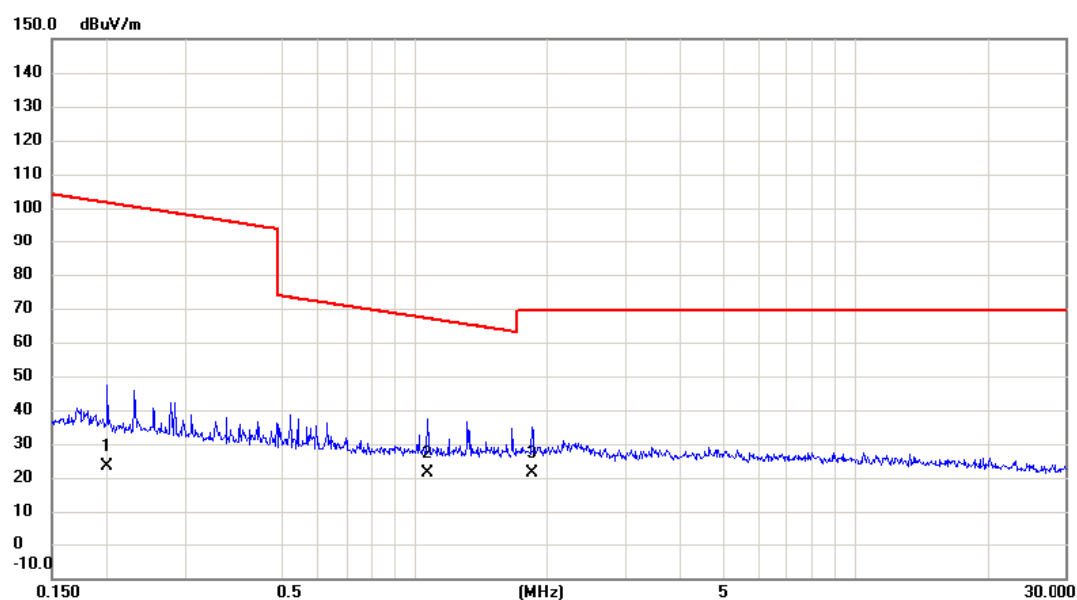
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.015	32.60	0.02	32.62	124.08	-91.46	AVG	
2	*	0.059	30.10	0.03	30.13	112.22	-82.09	AVG	
3		0.116	20.80	0.03	20.83	106.33	-85.50	AVG	

Test Mode: TX Mode_Adapter:BYD

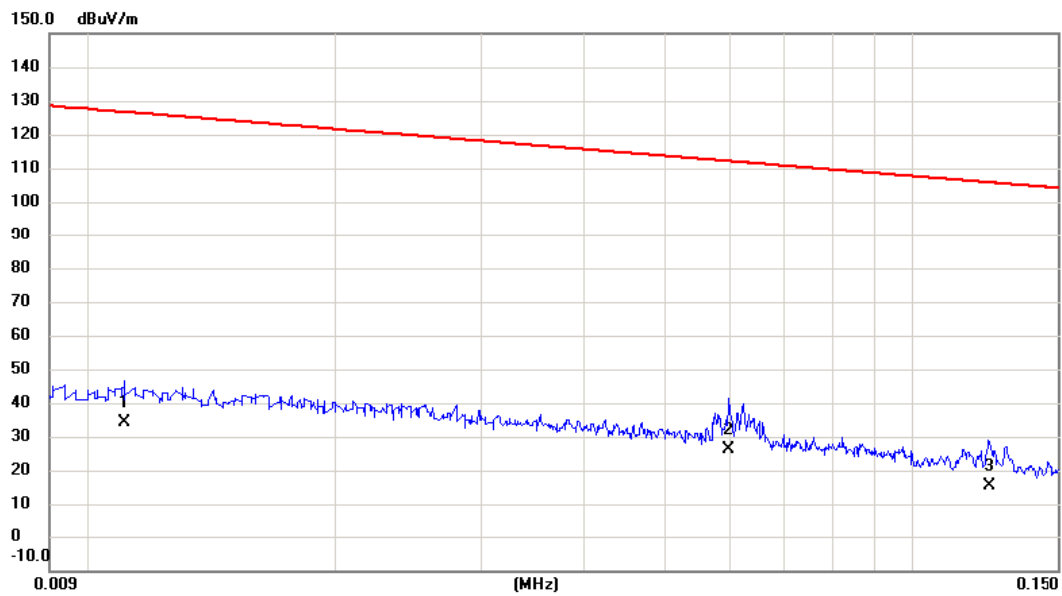
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.200	23.40	0.04	23.44	101.60	-78.16	AVG	
2	*	1.065	21.50	0.08	21.58	67.05	-45.47	QP	
3		1.848	21.30	0.10	21.40	69.54	-48.14	QP	

Test Mode:	TX Mode_Adapter:BYD
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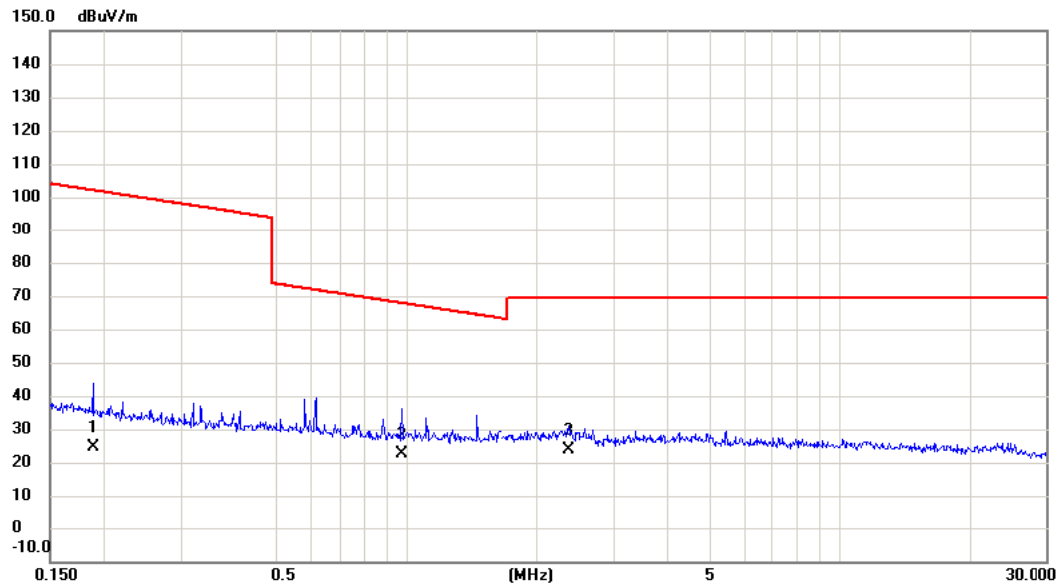
Ant 90°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.011	34.10	0.02	34.12	126.70	-92.58	AVG	
2	*	0.060	26.10	0.03	26.13	112.07	-85.94	AVG	
3		0.123	15.30	0.03	15.33	105.77	-90.44	AVG	

Test Mode: TX Mode_Adapter:BYD

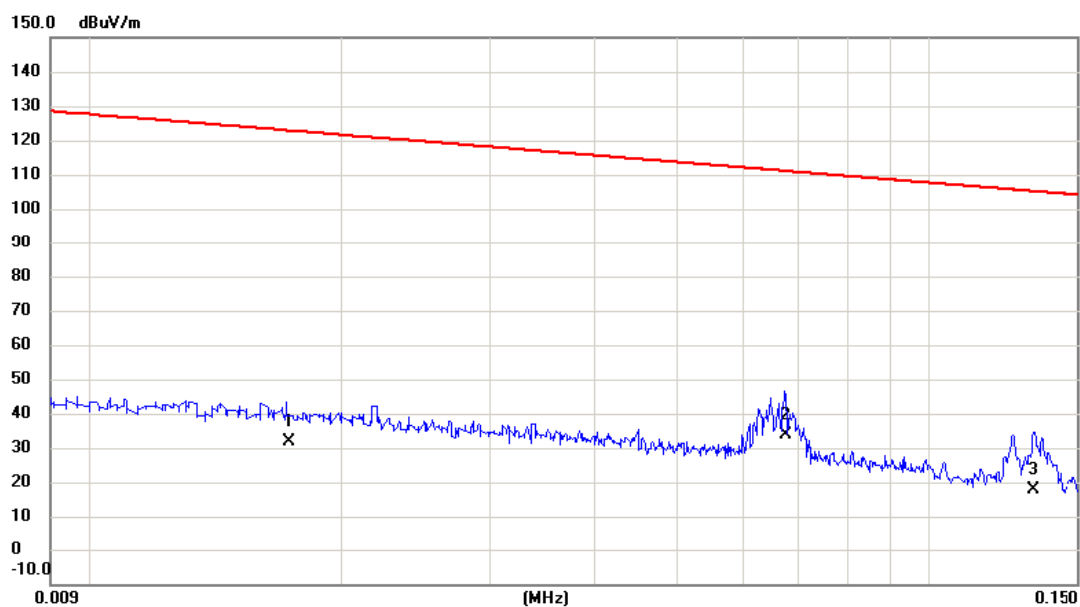
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.188	24.50	0.04	24.54	102.10	-77.56	AVG	
2	*	0.974	22.60	0.08	22.68	67.84	-45.16	QP	
3		2.371	23.50	0.11	23.61	69.54	-45.93	QP	

Test Mode: TX Mode_Adapter:PHITEK

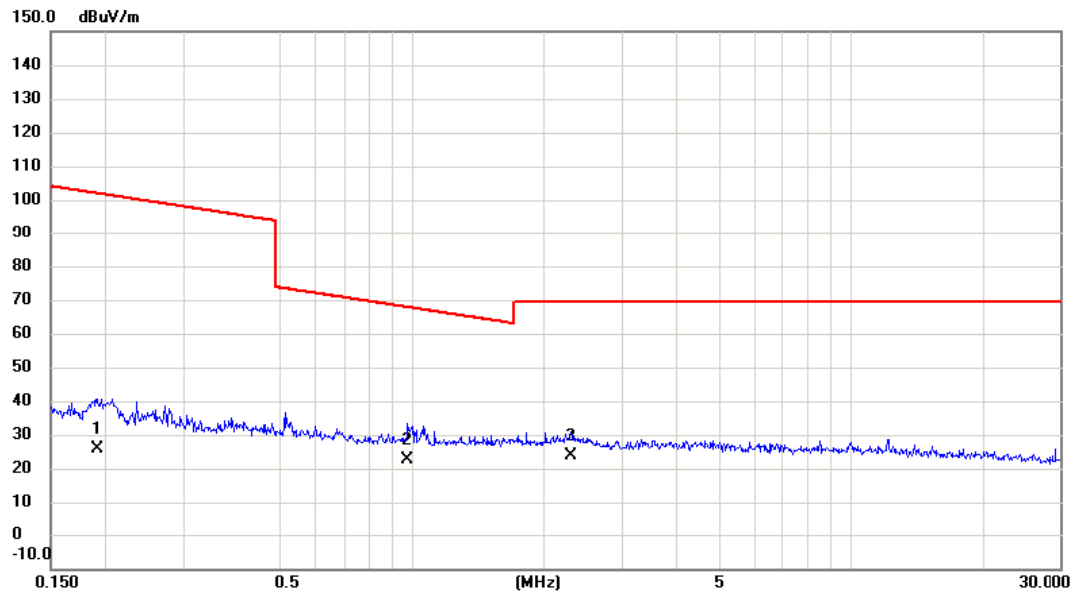
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.017	31.60	0.02	31.62	122.84	-91.22	AVG	
2	*	0.067	33.80	0.03	33.83	111.04	-77.21	AVG	
3		0.133	17.80	0.04	17.84	105.13	-87.29	AVG	

Test Mode: TX Mode_Adapter:PHITEK

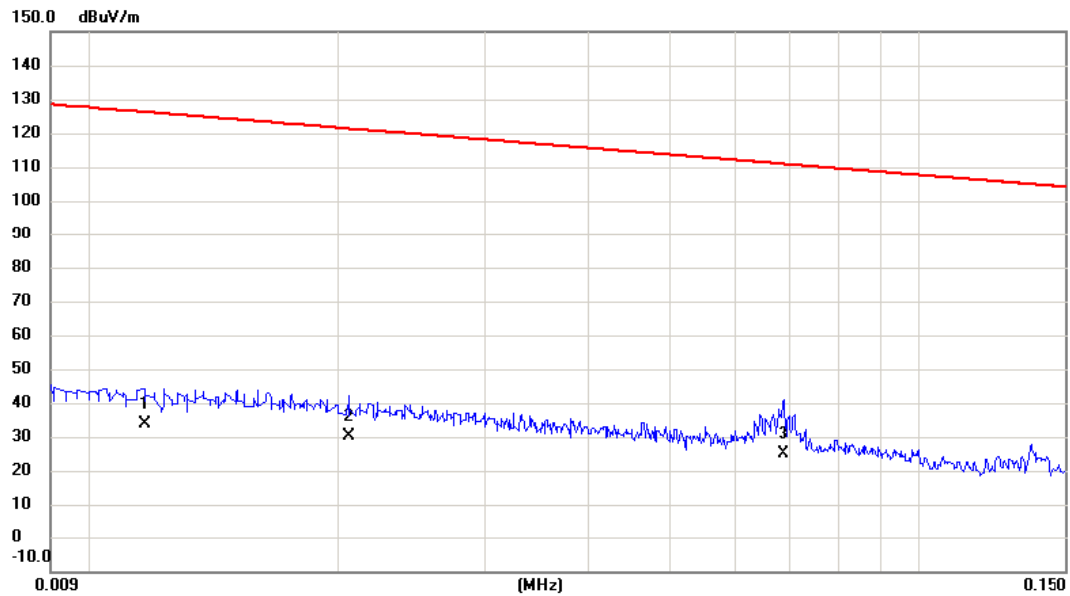
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.191	25.80	0.04	25.84	101.97	-76.13	AVG	
2	*	0.974	22.50	0.08	22.58	67.84	-45.26	QP	
3		2.297	23.60	0.11	23.71	69.54	-45.83	QP	

Test Mode:	TX Mode_Adapter:PHITEK
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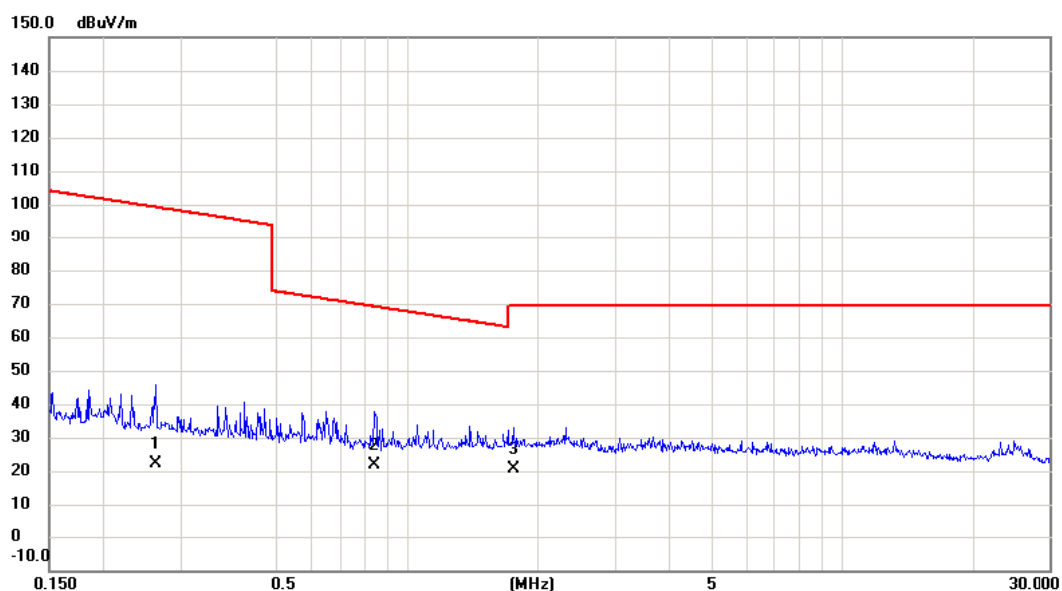
Ant 90°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.012	33.70	0.02	33.72	126.24	-92.52	AVG	
2		0.021	30.20	0.02	30.22	121.33	-91.11	AVG	
3	*	0.069	25.10	0.03	25.13	110.88	-85.75	AVG	

Test Mode: TX Mode _Adapter:PHITEK

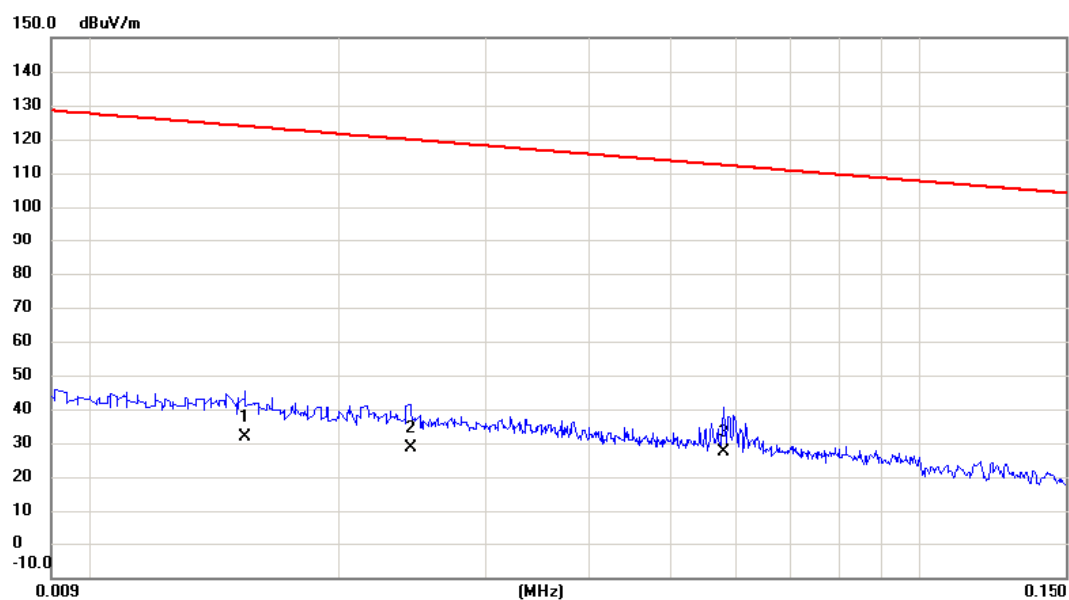
Ant 90°



No. Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	0.263	22.20	0.05	22.25	99.21	-76.96	AVG	
2 *	0.839	21.80	0.08	21.88	69.13	-47.25	QP	
3	1.753	20.60	0.10	20.70	69.54	-48.84	QP	

Test Mode: TX Mode_Adapter:HUNTKEY

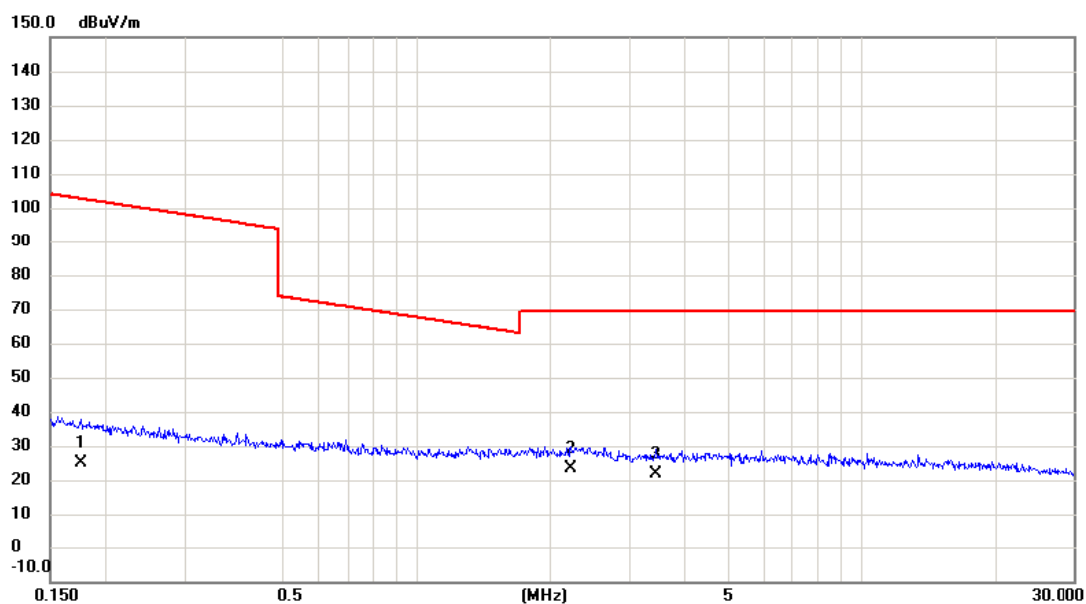
Ant 0°



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	Comment
1		0.015	31.80	0.02	31.82	123.85	-92.03	AVG	
2		0.024	28.50	0.02	28.52	119.86	-91.34	AVG	
3	*	0.058	27.30	0.03	27.33	112.34	-85.01	AVG	

Test Mode: TX Mode_Adapter:HUNTKEY

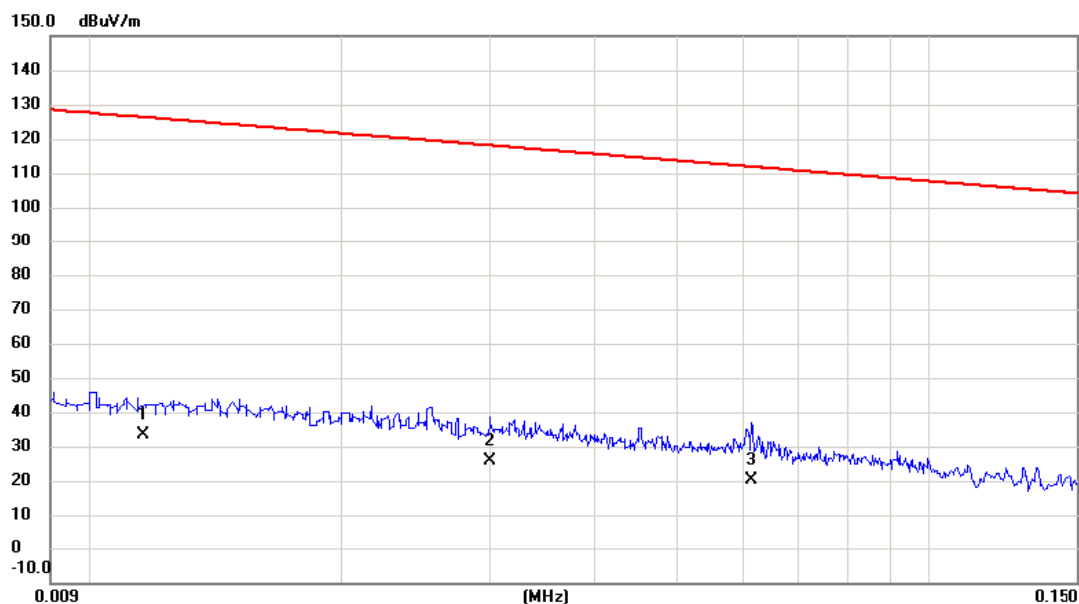
Ant 0°



No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.176	25.10	0.04	25.14	102.71	-77.57	AVG	
2	*	2.225	23.40	0.11	23.51	69.54	-46.03	QP	
3		3.436	21.80	0.14	21.94	69.54	-47.60	QP	

Test Mode: TX Mode_Adapter:HUNTKEY

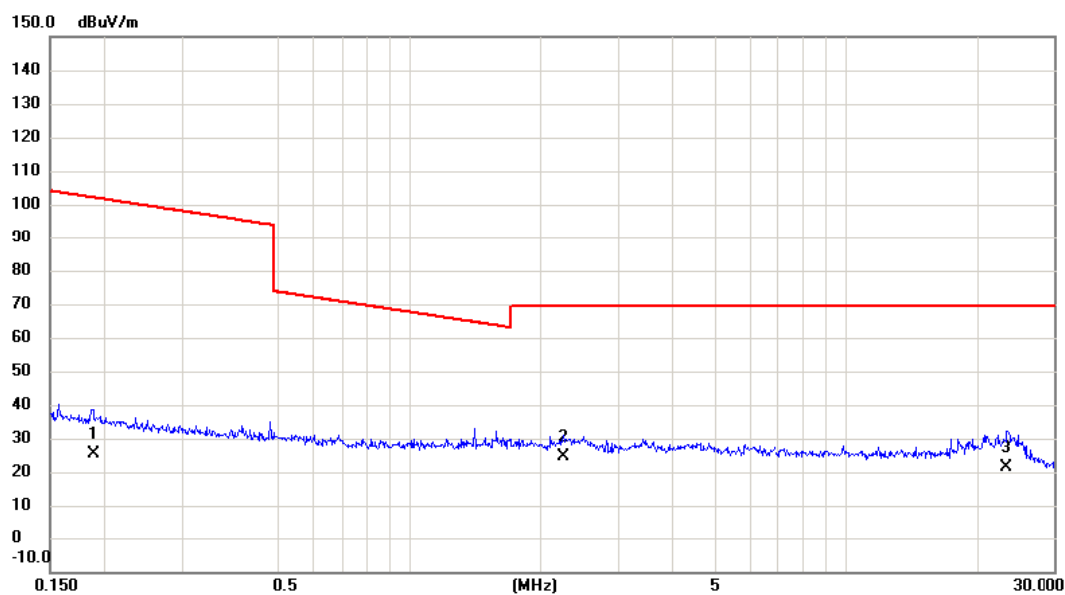
Ant 90°



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Margin		
		MHz	Level	Factor	ment			Detector	Comment
			dBuV	dB	dBuV/m	dBuV/m	dB		
1		0.012	33.50	0.02	33.52	126.32	-92.80	AVG	
2		0.030	25.80	0.02	25.82	118.06	-92.24	AVG	
3 *		0.061	20.10	0.03	20.13	111.86	-91.73	AVG	

Test Mode:	TX Mode_Adapter:HUNTKEY
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Ant 90°

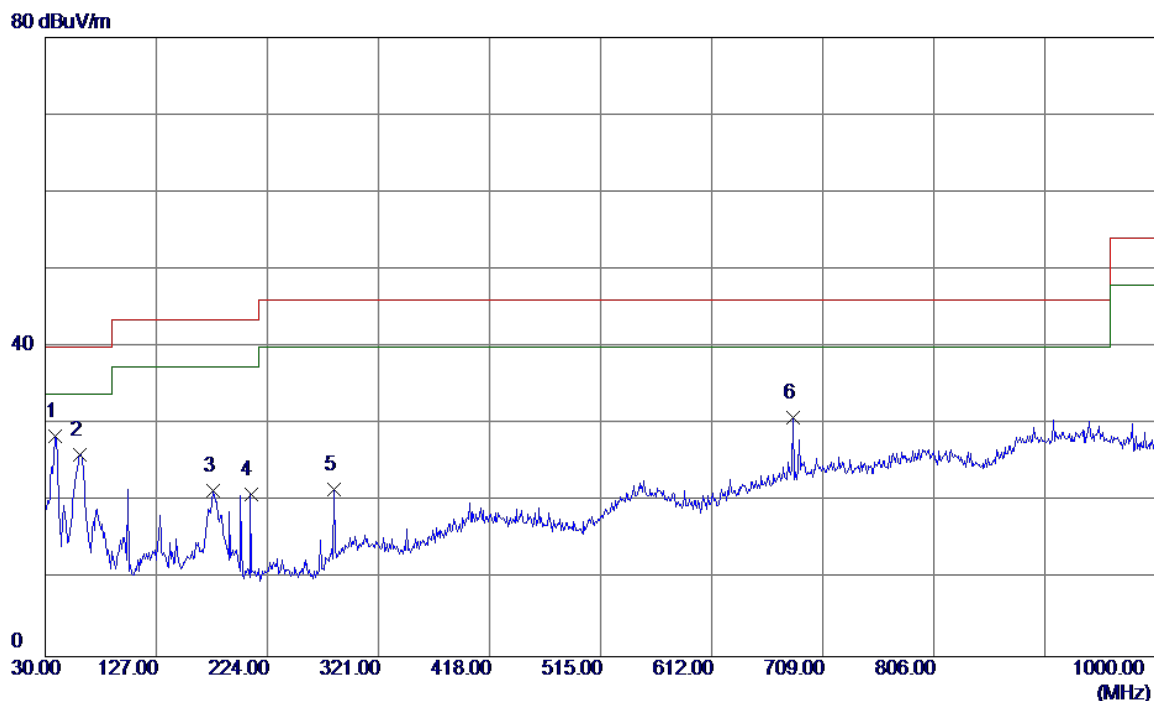


No.	Mk.	Freq. MHz	Reading Level dBuV	Correct Factor dB	Measure- ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1		0.188	25.30	0.04	25.34	102.10	-76.76	AVG	
2	*	2.249	24.50	0.11	24.61	69.54	-44.93	QP	
3		23.263	21.10	0.37	21.47	69.54	-48.07	QP	

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

Test Mode: TX 2402MHz _CH00_1Mbps_Adapter:BYD

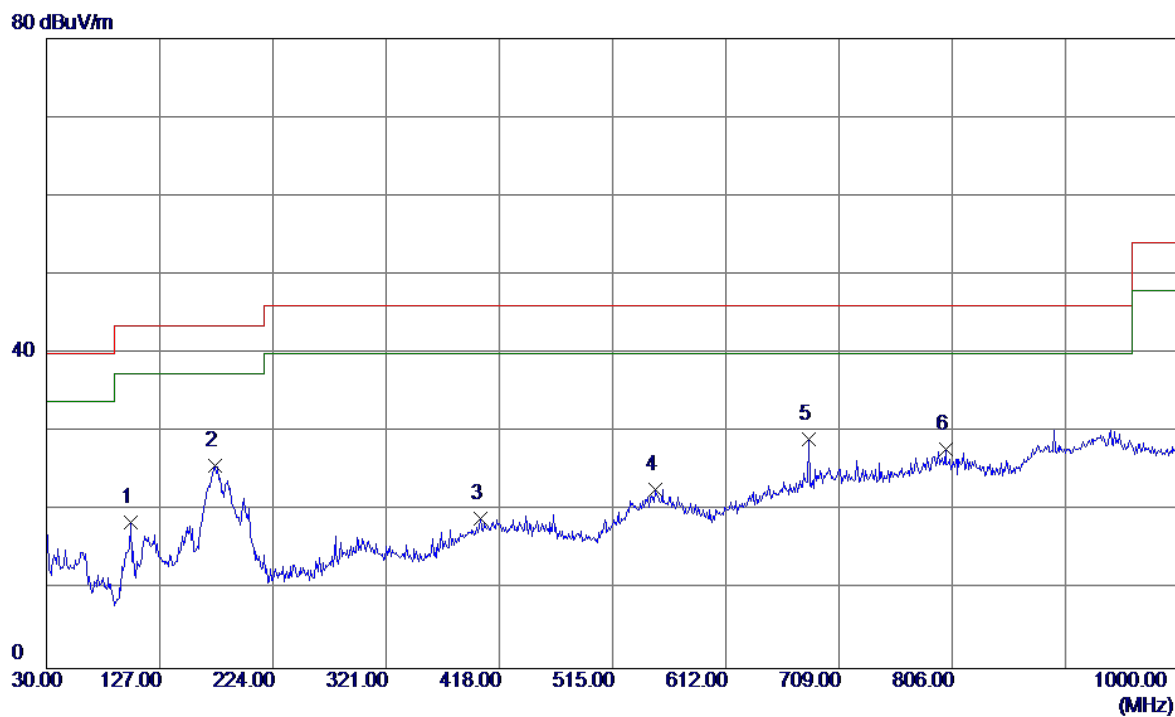
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	38.7300	42.54	-14.06	28.48	40.00	-11.52	Peak	
2	60.0700	39.83	-13.74	26.09	40.00	-13.91	Peak	
3	176.4700	34.11	-12.63	21.48	43.50	-22.02	Peak	
4	209.4500	35.62	-14.63	20.99	43.50	-22.51	Peak	
5	282.2000	33.45	-11.86	21.59	46.00	-24.41	Peak	
6	682.8100	33.67	-2.82	30.85	46.00	-15.15	Peak	

Test Mode: TX 2402MHz _CH00_1Mbps_Adapter:BYD

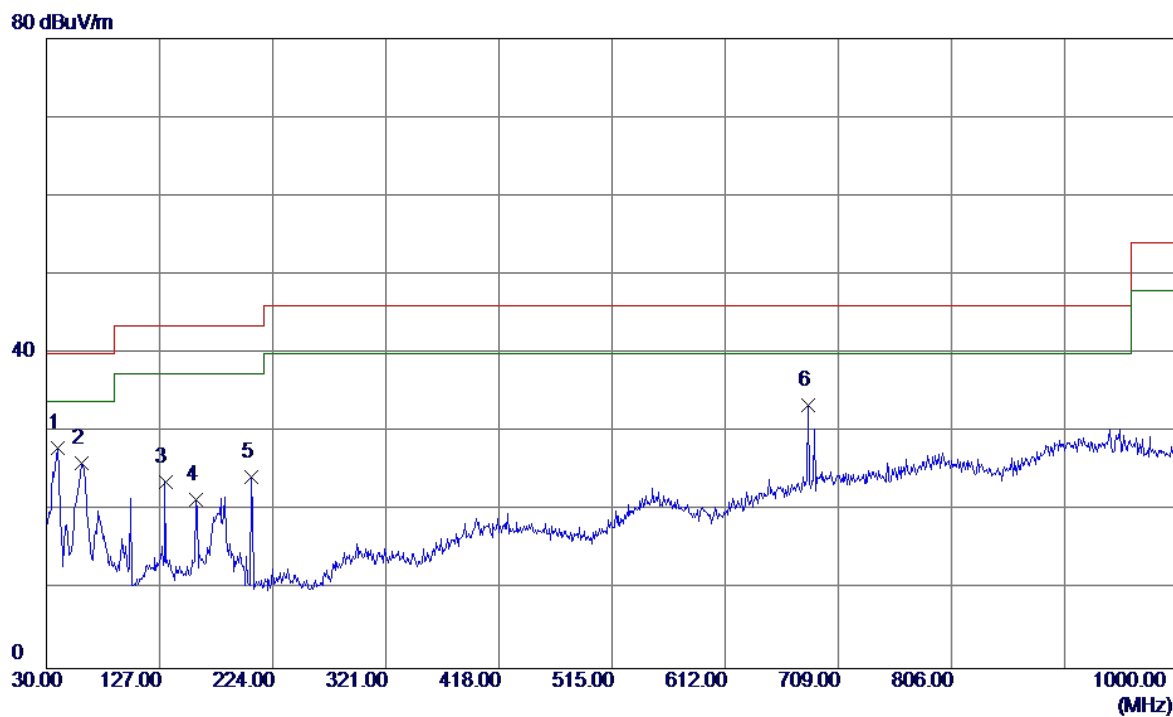
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	101.7800	33.83	-15.32	18.51	43.50	-24.99	Peak	
2	174.5300	38.28	-12.51	25.77	43.50	-17.73	Peak	
3	401.5100	26.90	-7.79	19.11	46.00	-26.89	Peak	
4	551.8600	27.36	-4.63	22.73	46.00	-23.27	Peak	
5 *	682.8100	31.94	-2.82	29.12	46.00	-16.88	Peak	
6	800.1800	27.56	0.25	27.81	46.00	-18.19	Peak	

Test Mode: TX 2480MHz _CH78_1Mbps _Adapter:BYD

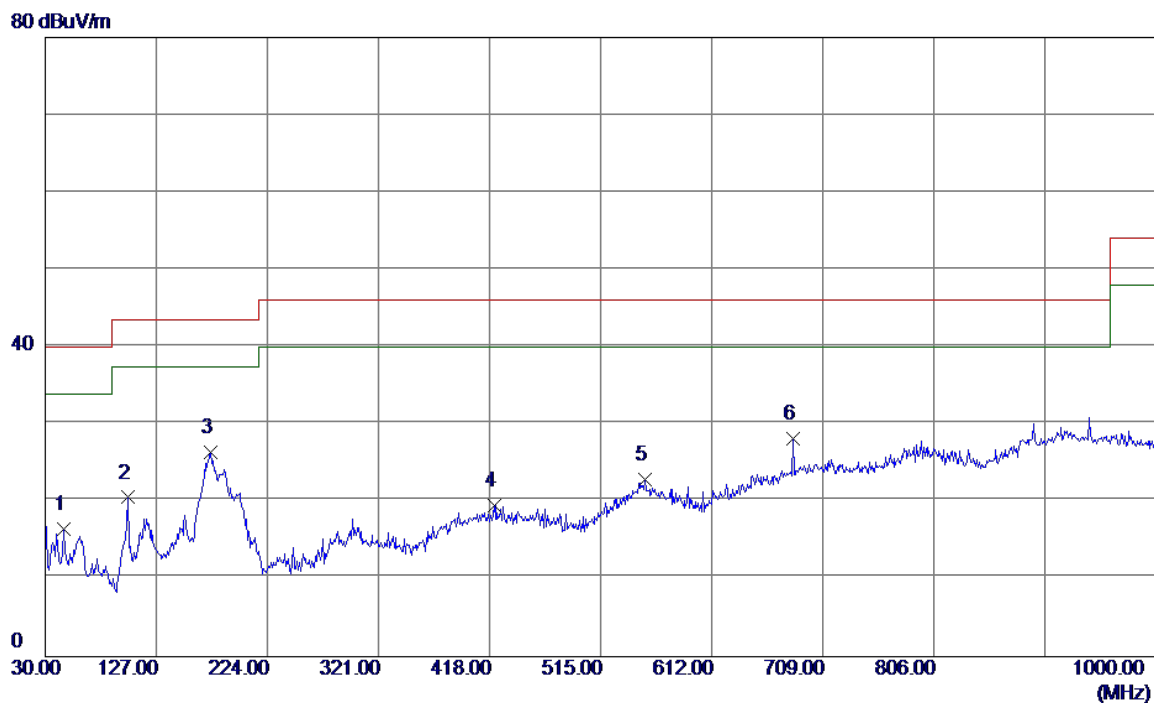
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	39.7000	41.88	-13.95	27.93	40.00	-12.07	Peak	
2	60.0700	39.76	-13.74	26.02	40.00	-13.98	Peak	
3	131.8500	36.25	-12.61	23.64	43.50	-19.86	Peak	
4	158.0399	33.72	-12.30	21.42	43.50	-22.08	Peak	
5	205.5700	38.91	-14.55	24.36	43.50	-19.14	Peak	
6	682.8100	36.19	-2.82	33.37	46.00	-12.63	Peak	

Test Mode: TX 2480MHz _CH78_1Mbps _Adapter:BYD

Horizontal

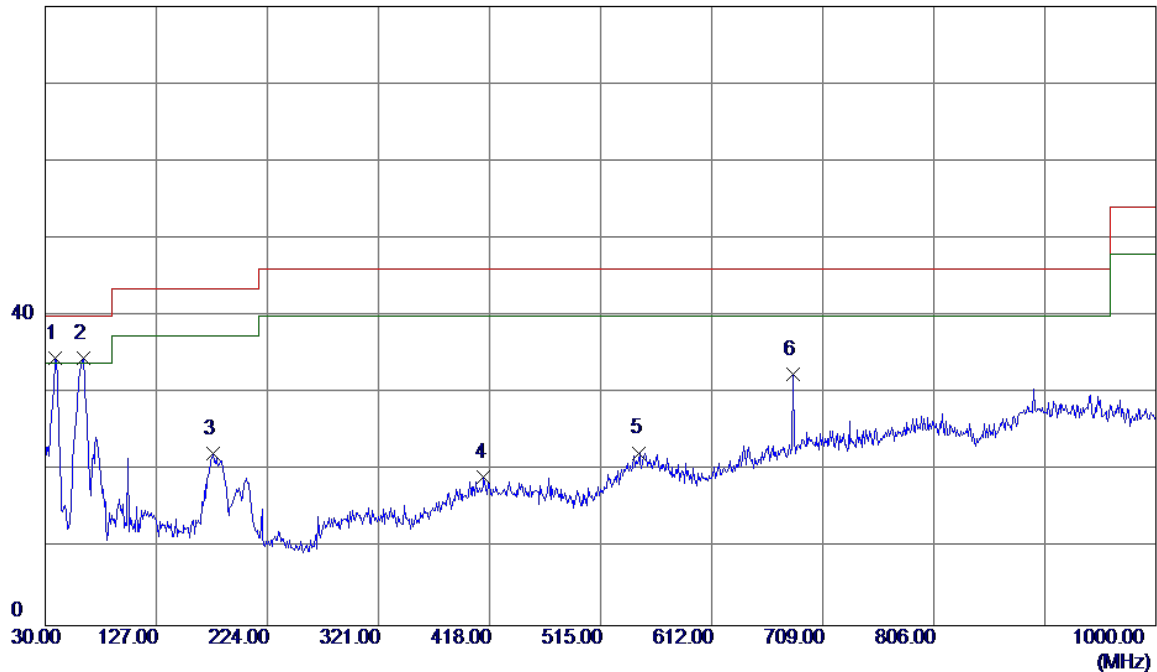


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	46.4900	29.05	-12.59	16.46	40.00	-23.54	Peak	
2	101.7800	35.88	-15.32	20.56	43.50	-22.94	Peak	
3 *	174.5300	38.85	-12.51	26.34	43.50	-17.16	Peak	
4	421.8800	27.41	-7.88	19.53	46.00	-26.47	Peak	
5	553.8000	27.59	-4.73	22.86	46.00	-23.14	Peak	
6	682.8100	31.01	-2.82	28.19	46.00	-17.81	Peak	

Test Mode: TX 2402MHz_CH00_1Mbps_Adapter:PHITEK

Vertical

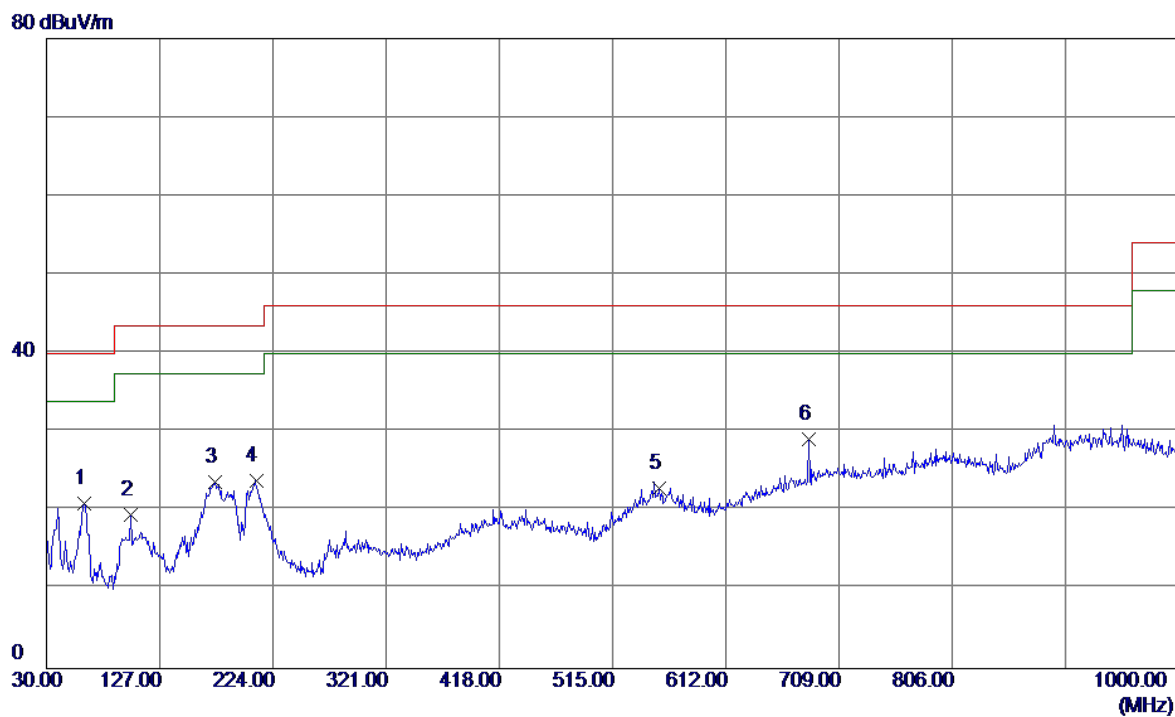
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	38.7300	48.60	-14.06	34.54	40.00	-5.46	Peak	
2 *	62.9800	49.20	-14.58	34.62	40.00	-5.38	Peak	
3	176.4700	34.86	-12.63	22.23	43.50	-21.27	Peak	
4	413.1500	27.07	-7.84	19.23	46.00	-26.77	Peak	
5	548.9500	26.97	-4.65	22.32	46.00	-23.68	Peak	
6	682.8100	35.31	-2.82	32.49	46.00	-13.51	Peak	

Test Mode: TX 2402MHz_CH00_1Mbps_Adapter:PHITEK

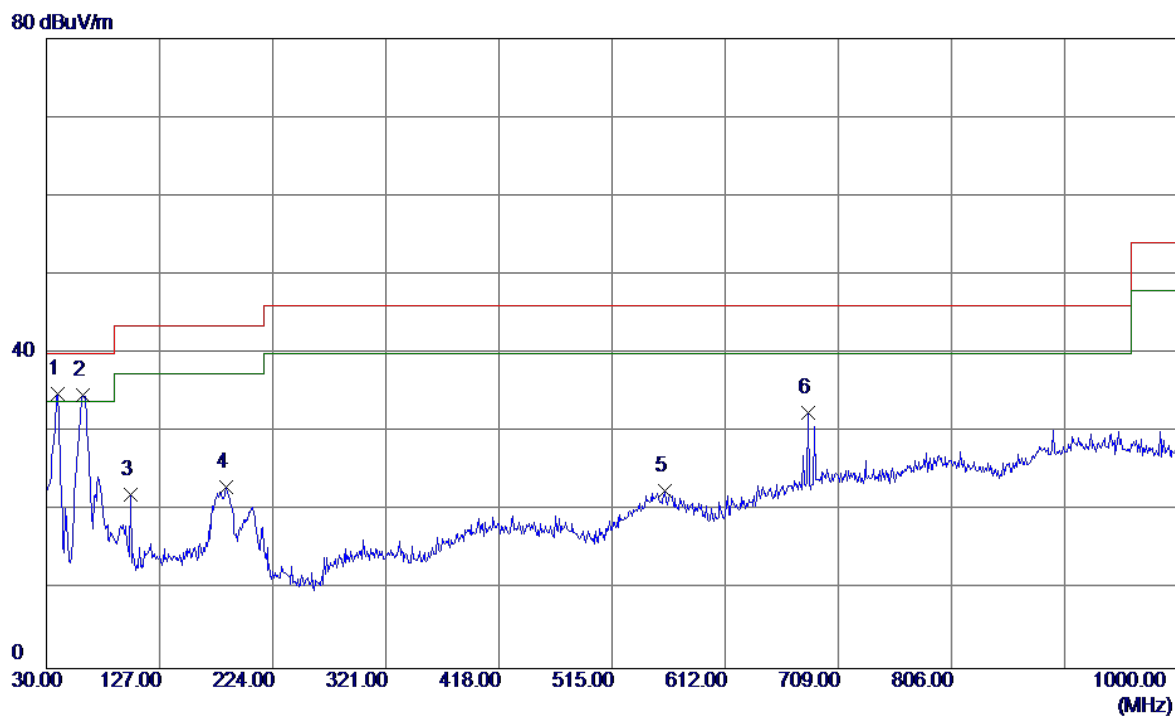
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	62.0100	35.19	-14.30	20.89	40.00	-19.11	Peak	
2	101.7800	34.83	-15.32	19.51	43.50	-23.99	Peak	
3	174.5300	36.21	-12.51	23.70	43.50	-19.80	Peak	
4	209.4500	38.52	-14.63	23.89	43.50	-19.61	Peak	
5	554.7700	27.68	-4.78	22.90	46.00	-23.10	Peak	
6 *	682.8100	31.97	-2.82	29.15	46.00	-16.85	Peak	

Test Mode: TX 2480MHz_CH78_1Mbps_Adapter:PHITEK

Vertical

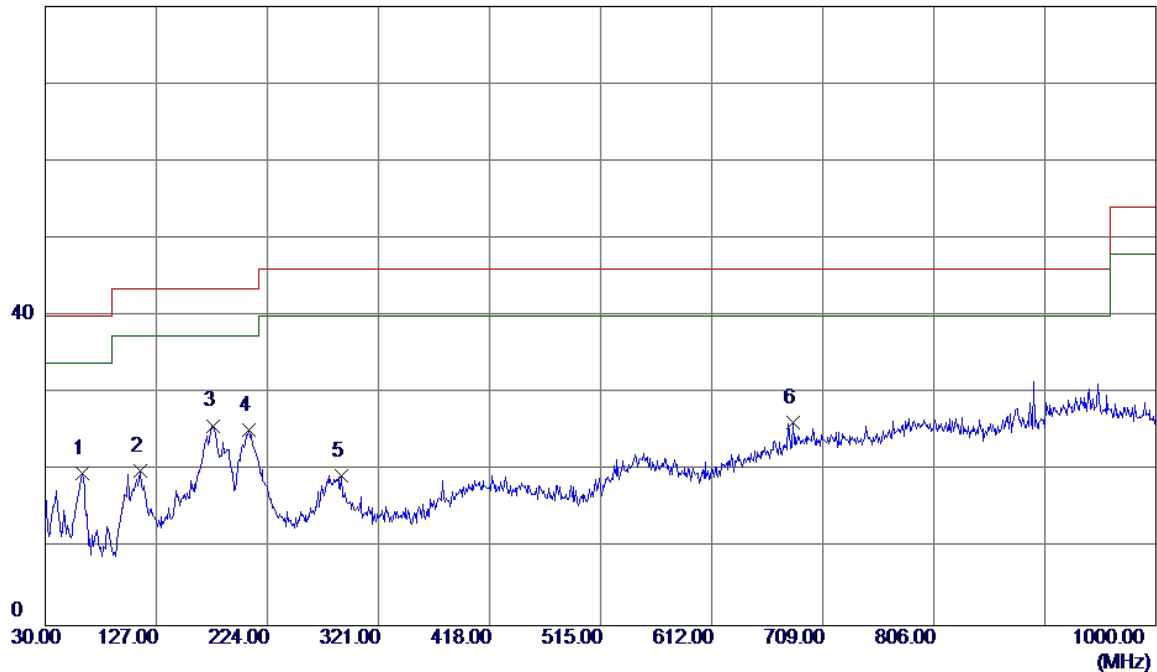


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	39.7000	48.83	-13.95	34.88	40.00	-5.12	Peak	
2	61.0400	48.77	-14.02	34.75	40.00	-5.25	Peak	
3	101.7800	37.45	-15.32	22.13	43.50	-21.37	Peak	
4	184.2300	36.28	-13.30	22.98	43.50	-20.52	Peak	
5	560.5900	27.56	-5.07	22.49	46.00	-23.51	Peak	
6	682.8100	35.31	-2.82	32.49	46.00	-13.51	Peak	

Test Mode: TX 2480MHz_CH78_1Mbps_Adapter:PHITEK

Horizontal

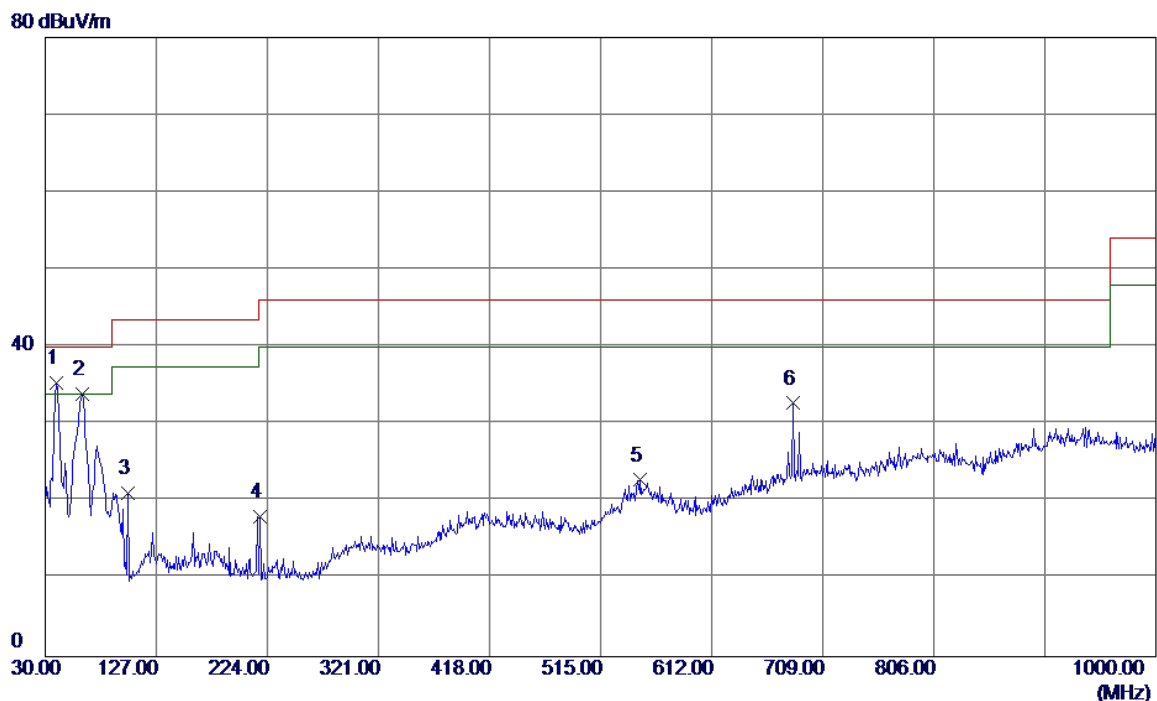
80 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	62.0100	33.94	-14.30	19.64	40.00	-20.36	Peak	
2	113.4200	34.28	-14.25	20.03	43.50	-23.47	Peak	
3 *	176.4700	38.47	-12.63	25.84	43.50	-17.66	Peak	
4	207.5100	39.84	-14.59	25.25	43.50	-18.25	Peak	
5	288.9900	30.69	-11.33	19.36	46.00	-26.64	Peak	
6	682.8100	29.08	-2.82	26.26	46.00	-19.74	Peak	

Test Mode: TX 2402MHz_CH00_1Mbps_Adapter:HUNTKEY

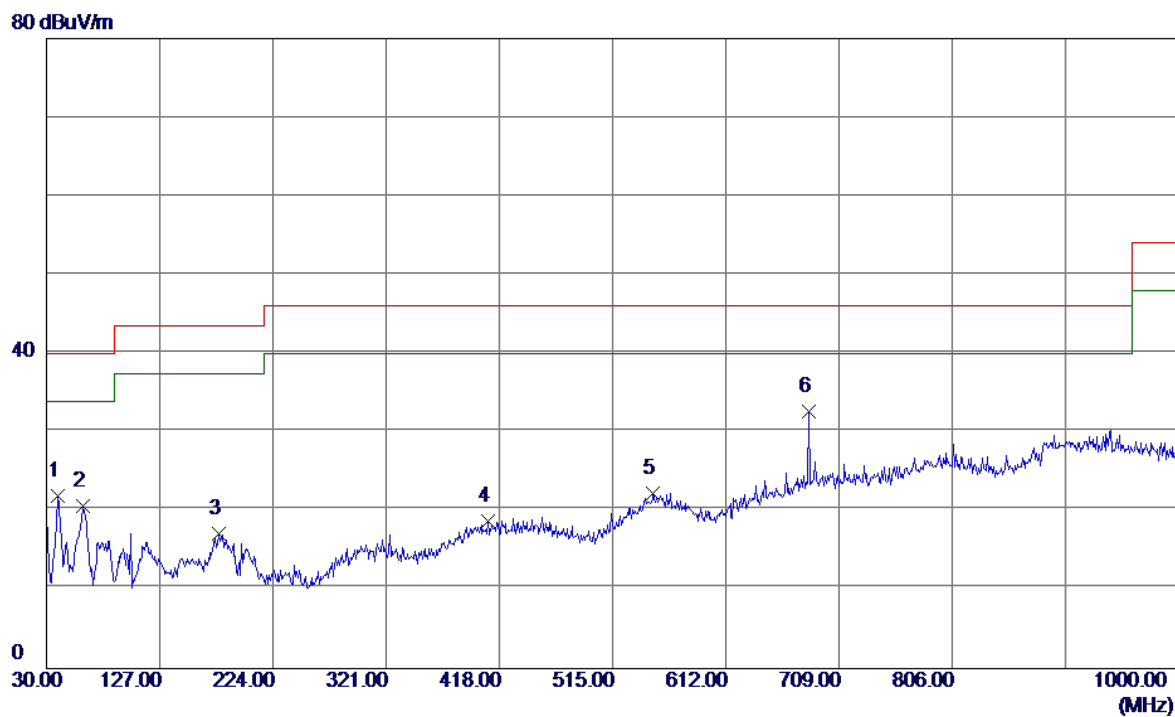
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	39.7000	49.35	-13.95	35.40	40.00	-4.60	Peak	
2	62.0100	48.18	-14.30	33.88	40.00	-6.12	Peak	
3	101.7800	36.40	-15.32	21.08	43.50	-22.42	Peak	
4	217.2100	32.44	-14.36	18.08	46.00	-27.92	Peak	
5	549.9200	27.35	-4.55	22.80	46.00	-23.20	Peak	
6	682.8100	35.54	-2.82	32.72	46.00	-13.28	Peak	

Test Mode: TX 2402MHz_CH00_1Mbps_Adapter:HUNTKEY

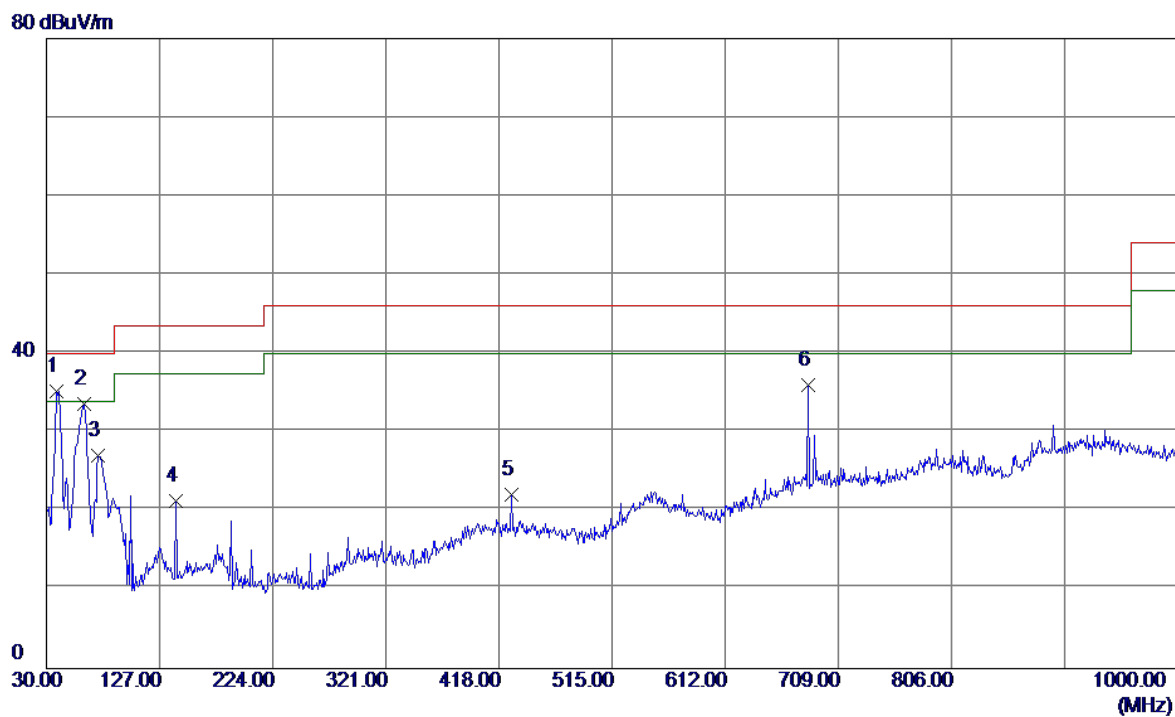
Horizontal



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	39.7000	35.93	-13.95	21.98	40.00	-18.02	Peak	
2	61.0400	34.65	-14.02	20.63	40.00	-19.37	Peak	
3	177.4400	29.83	-12.69	17.14	43.50	-26.36	Peak	
4	408.3000	26.57	-7.82	18.75	46.00	-27.25	Peak	
5	549.9200	26.85	-4.55	22.30	46.00	-23.70	Peak	
6 *	682.8100	35.51	-2.82	32.69	46.00	-13.31	Peak	

Test Mode: TX 2480MHz_CH78_1Mbps_Adapter:HUNTKEY

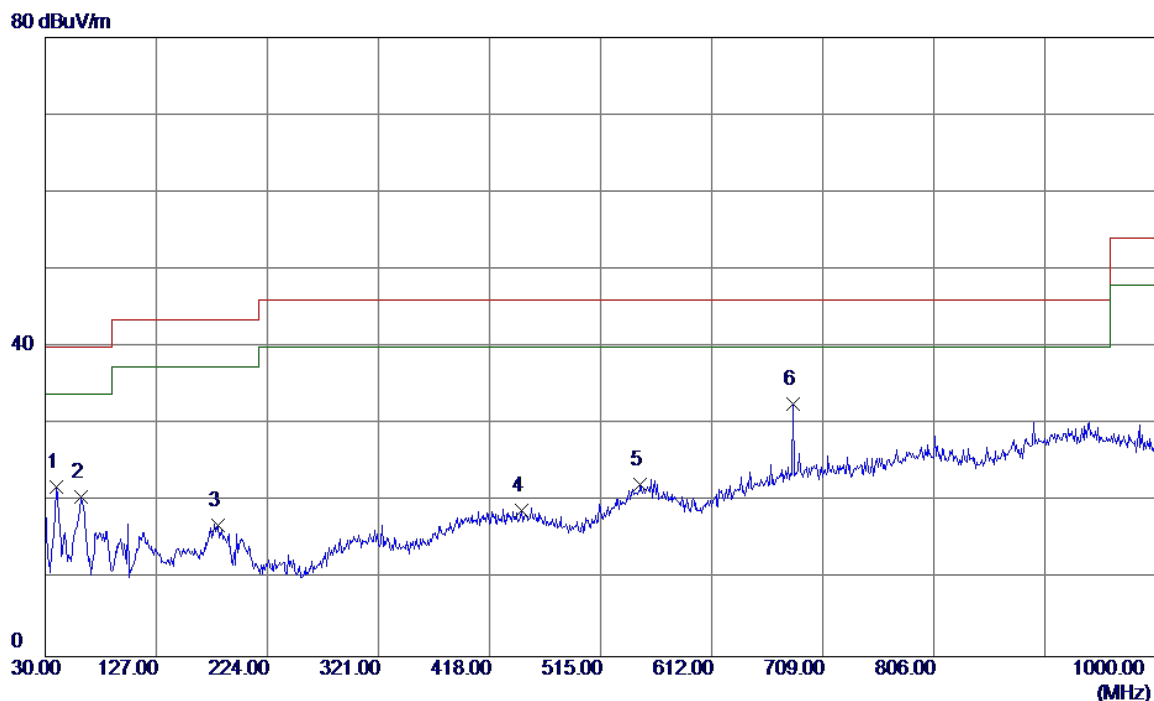
Vertical



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	38.7300	49.31	-14.06	35.25	40.00	-4.75	Peak	
2	62.0100	47.89	-14.30	33.59	40.00	-6.41	Peak	
3	74.6200	43.55	-16.58	26.97	40.00	-13.03	Peak	
4	140.5800	34.95	-13.71	21.24	43.50	-22.26	Peak	
5	428.6700	29.95	-7.91	22.04	46.00	-23.96	Peak	
6	682.8100	38.89	-2.82	36.07	46.00	-9.93	Peak	

Test Mode:	TX 2480MHz_CH78_1Mbps_Adapter:HUNTKEY
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Horizontal



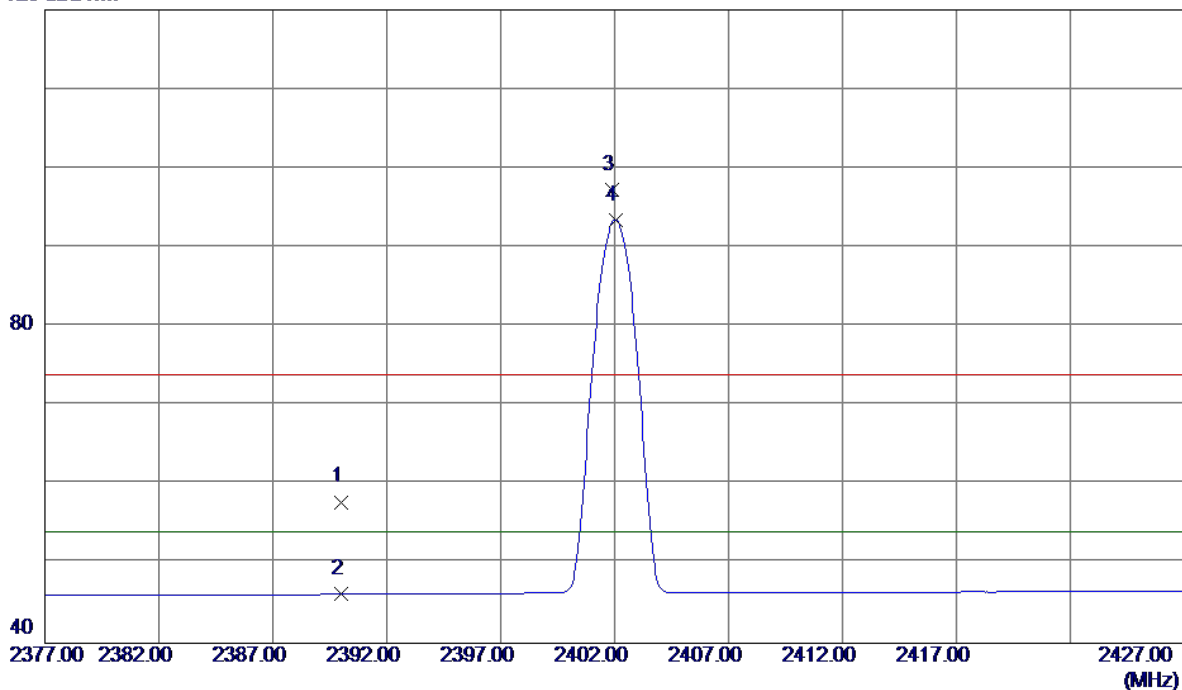
No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	39.7000	35.93	-13.95	21.98	40.00	-18.02	Peak	
2	61.0400	34.65	-14.02	20.63	40.00	-19.37	Peak	
3	181.3200	29.98	-12.98	17.00	43.50	-26.50	Peak	
4	446.1300	26.88	-7.98	18.90	46.00	-27.10	Peak	
5	549.9200	26.85	-4.55	22.30	46.00	-23.70	Peak	
6 *	682.8100	35.51	-2.82	32.69	46.00	-13.31	Peak	

ATTACHMENT D - RADIATED EMISSION (ABOVE 1000MHZ)

Test Mode : TX 2402MHz _CH00_1Mbps

Vertical

120 dBuV/m

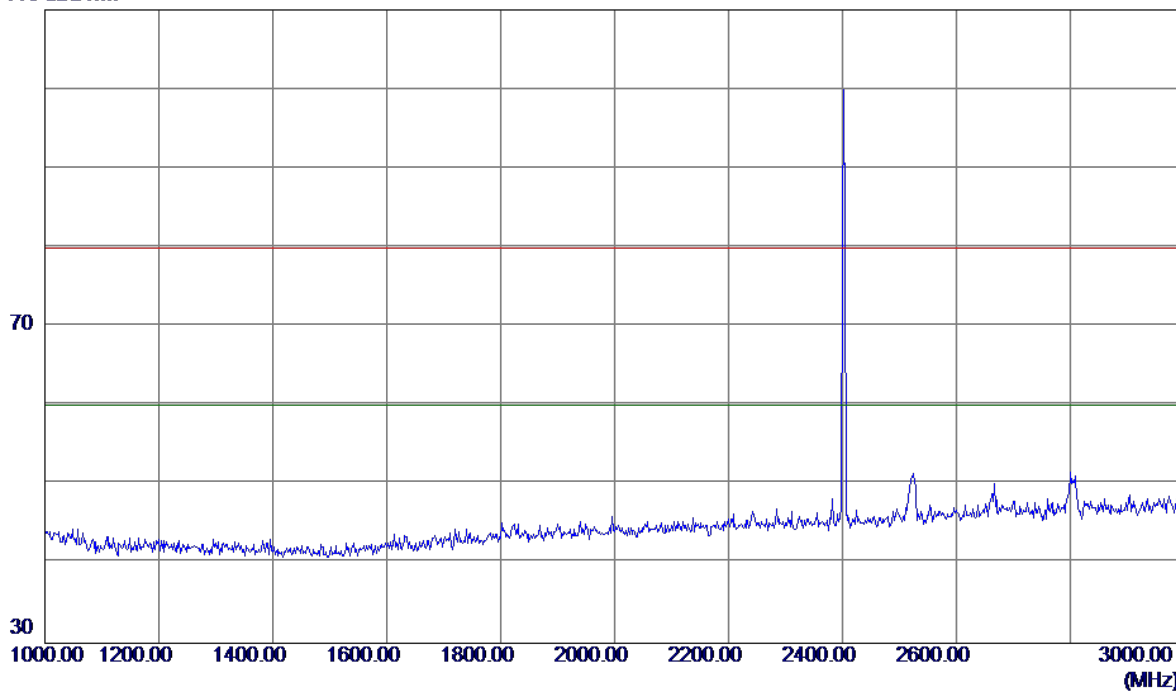


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.83	33.01	57.84	74.00	-16.16	Peak	
2	2390.0000	13.17	33.01	46.18	54.00	-7.82	AVG	
3	2401.9000	64.17	33.06	97.23	74.00	23.23	Peak	No Limit
4 *	2402.0500	60.40	33.06	93.46	54.00	39.46	AVG	No Limit

Test Mode :	TX 2402MHz _CH00_1Mbps
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Vertical

110 dBuV/m

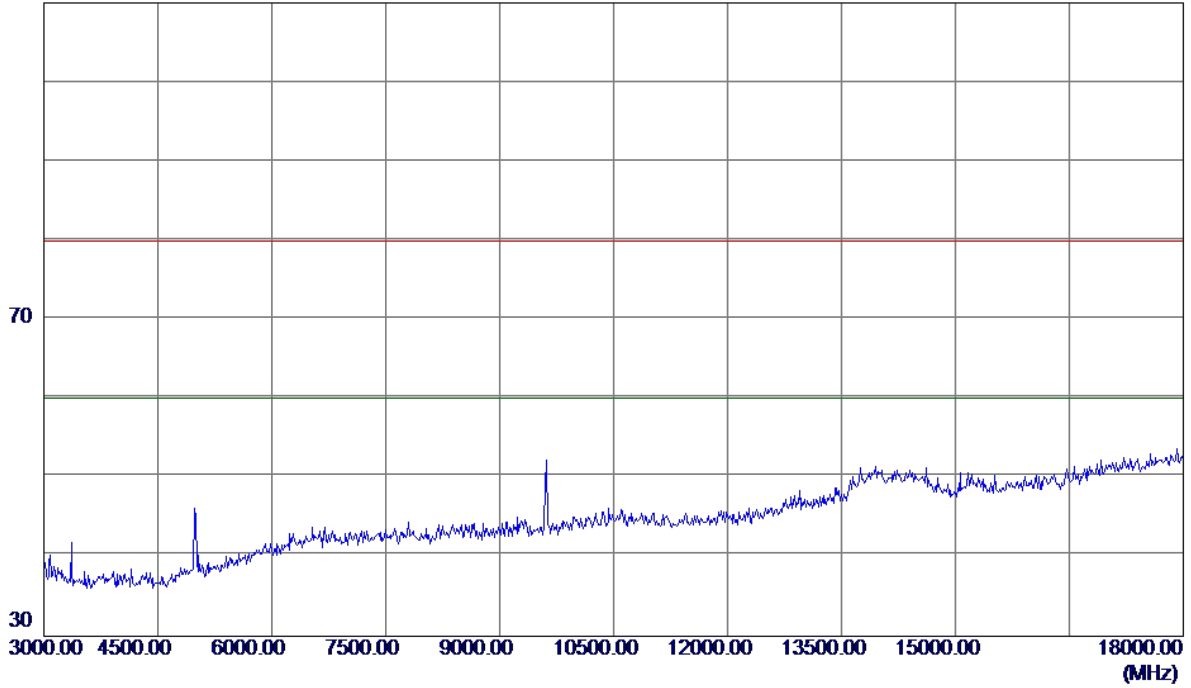


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode :	TX 2402MHz _CH00_1Mbps
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Vertical

110 dBuV/m

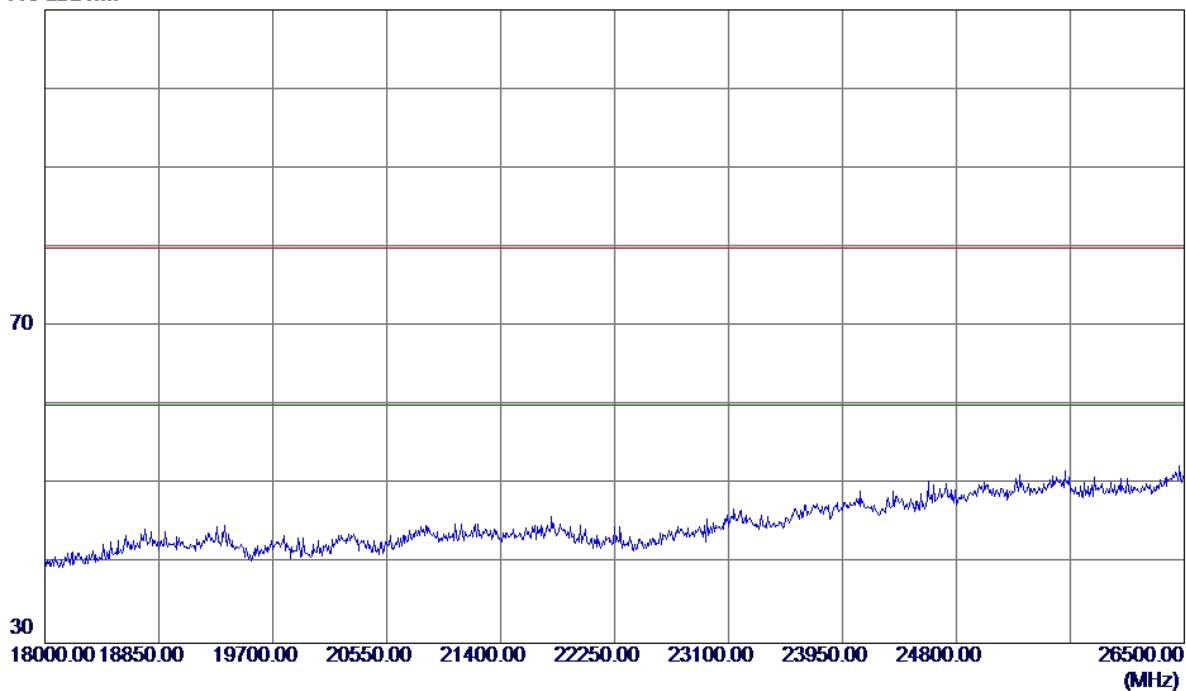


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode :	TX 2402MHz _CH00_1Mbps
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Vertical

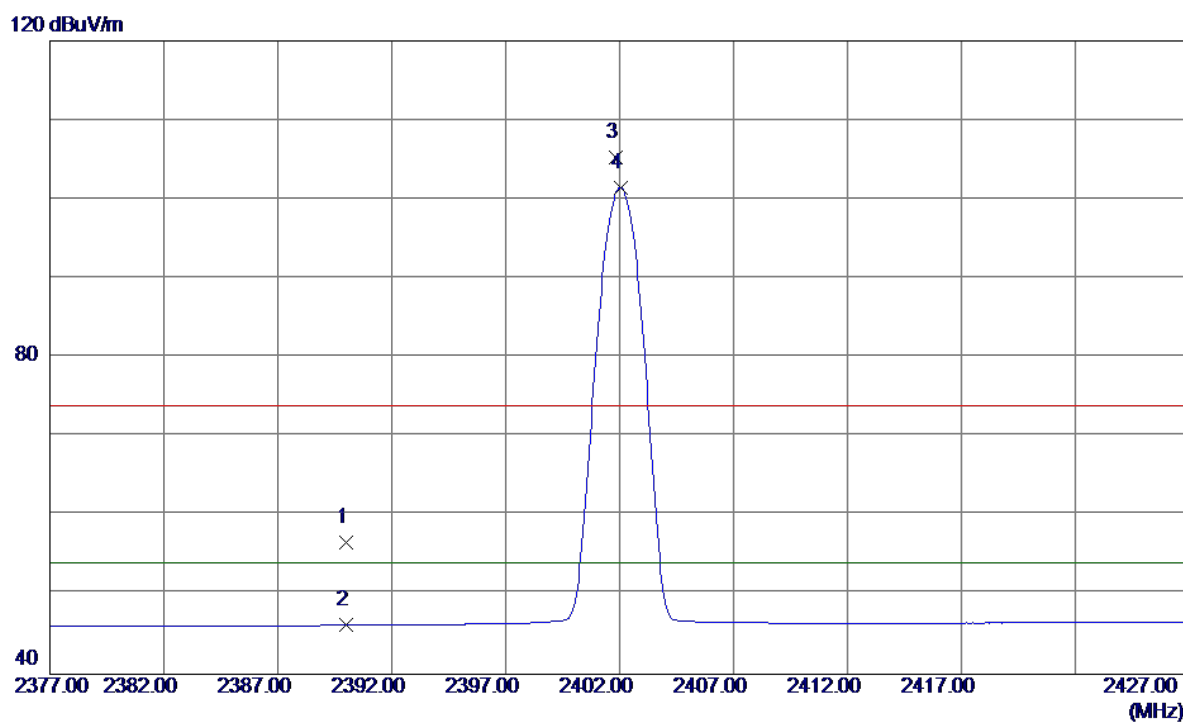
110 dBuV/m



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

Test Mode :	TX 2402MHz _CH00_1Mbps
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Horizontal

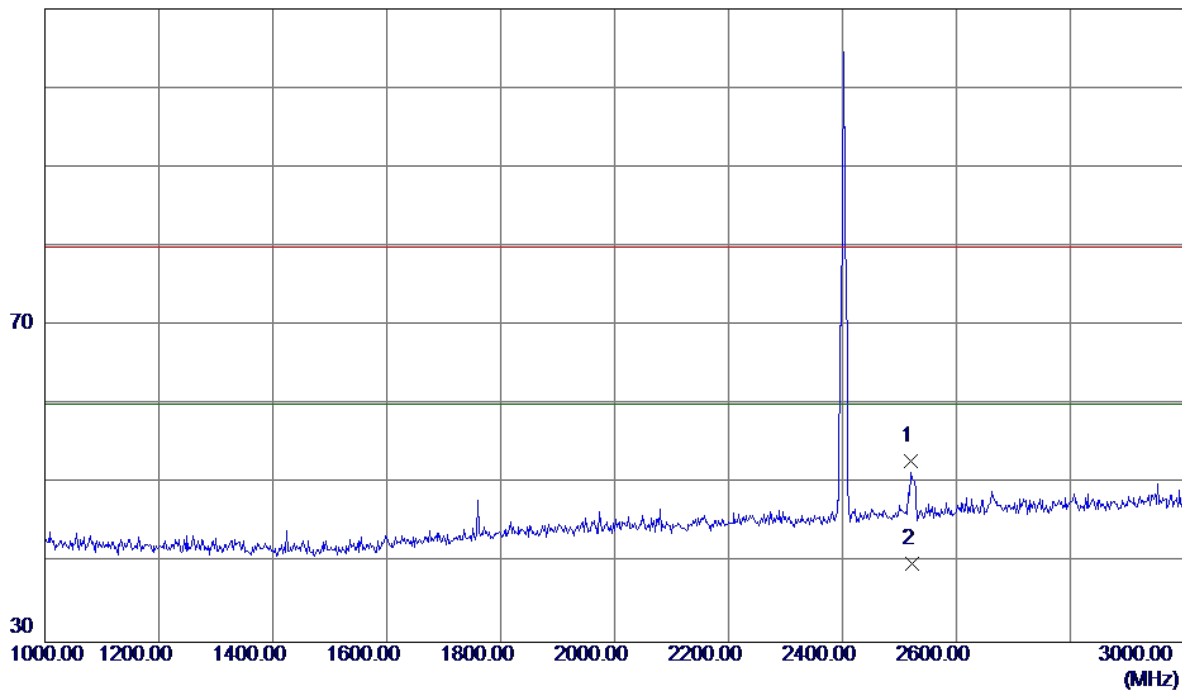


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	23.65	33.01	56.66	74.00	-17.34	Peak	
2	2390.0000	13.18	33.01	46.19	54.00	-7.81	AVG	
3	2401.8500	72.15	33.06	105.21	74.00	31.21	Peak	No Limit
4 *	2402.0500	68.39	33.06	101.45	54.00	47.45	AVG	No Limit

Test Mode : TX 2402MHz _CH00_1Mbps

Horizontal

110 dBuV/m

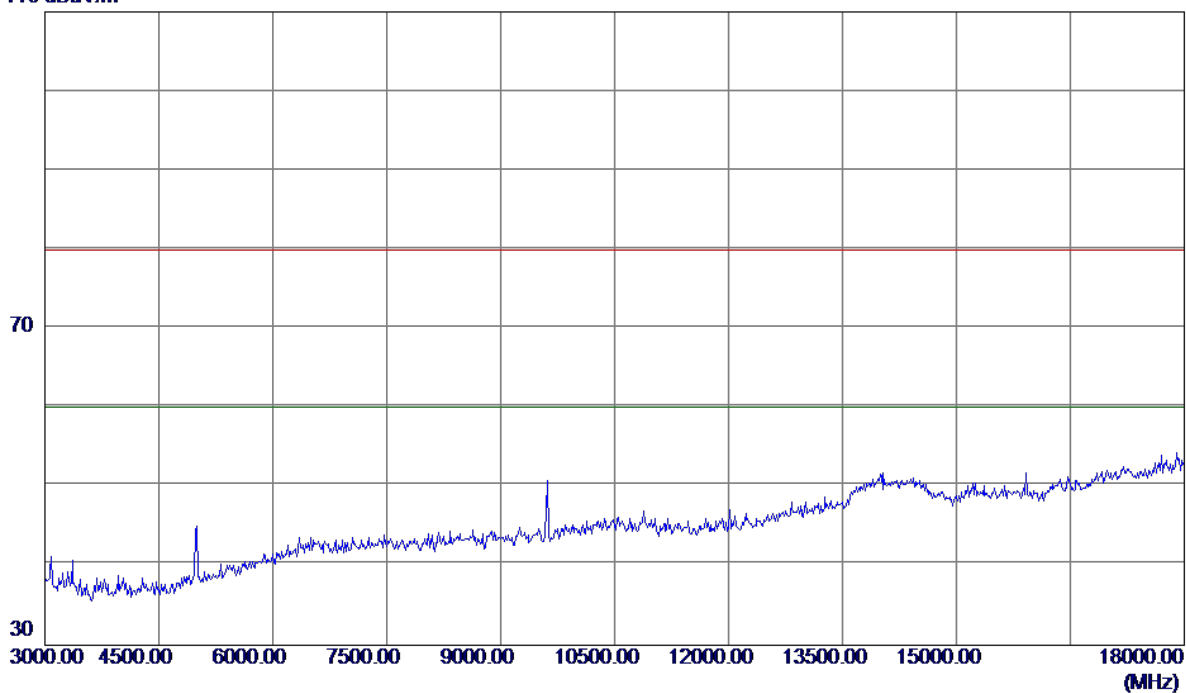


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2519.3600	43.80	9.13	52.93	80.00	-27.07	Peak	
2 *	2522.6000	30.82	9.14	39.96	60.00	-20.04	AVG	

Test Mode :	TX 2402MHz _CH00_1Mbps
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Horizontal

110 dBuV/m

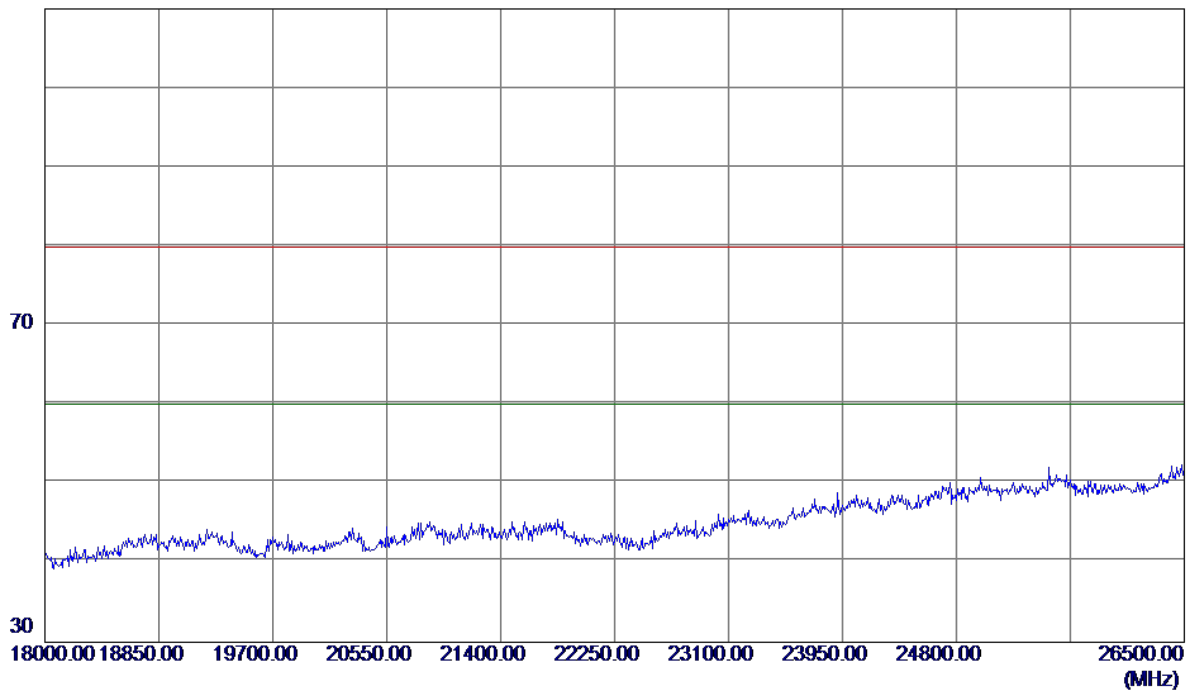


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode :	TX 2402MHz _CH00_1Mbps
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Horizontal

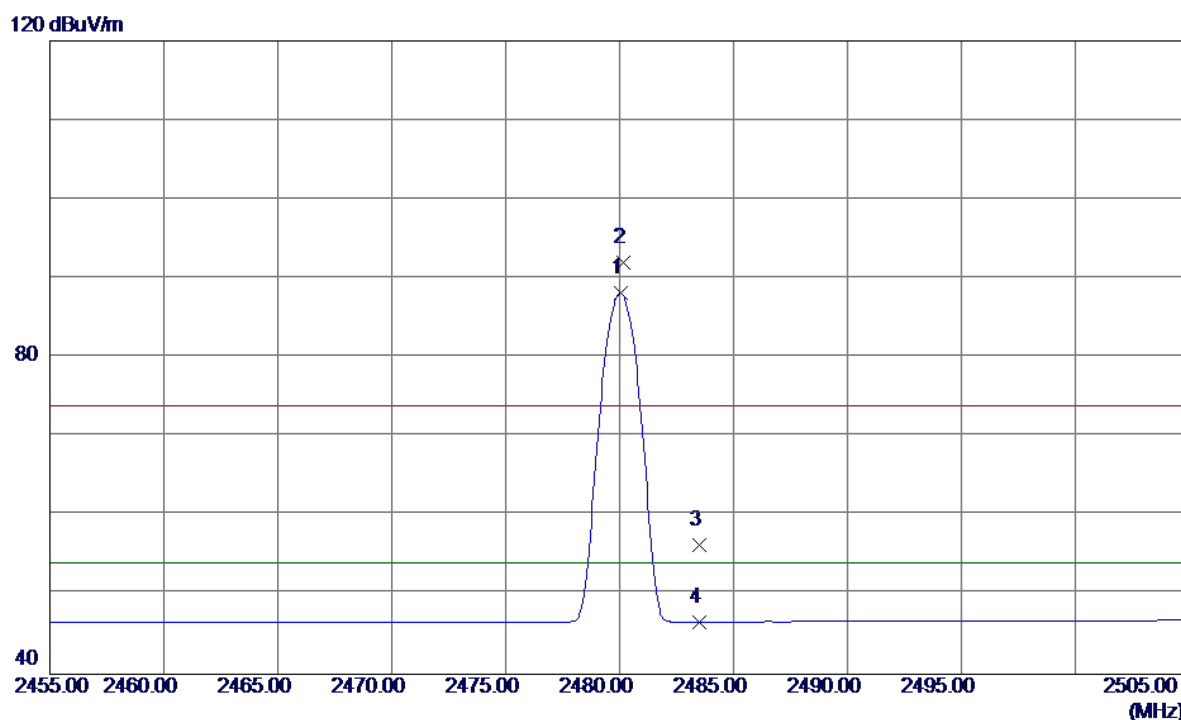
110 dBuV/m



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

Test Mode : TX 2480MHz _CH78_1Mbps

Vertical

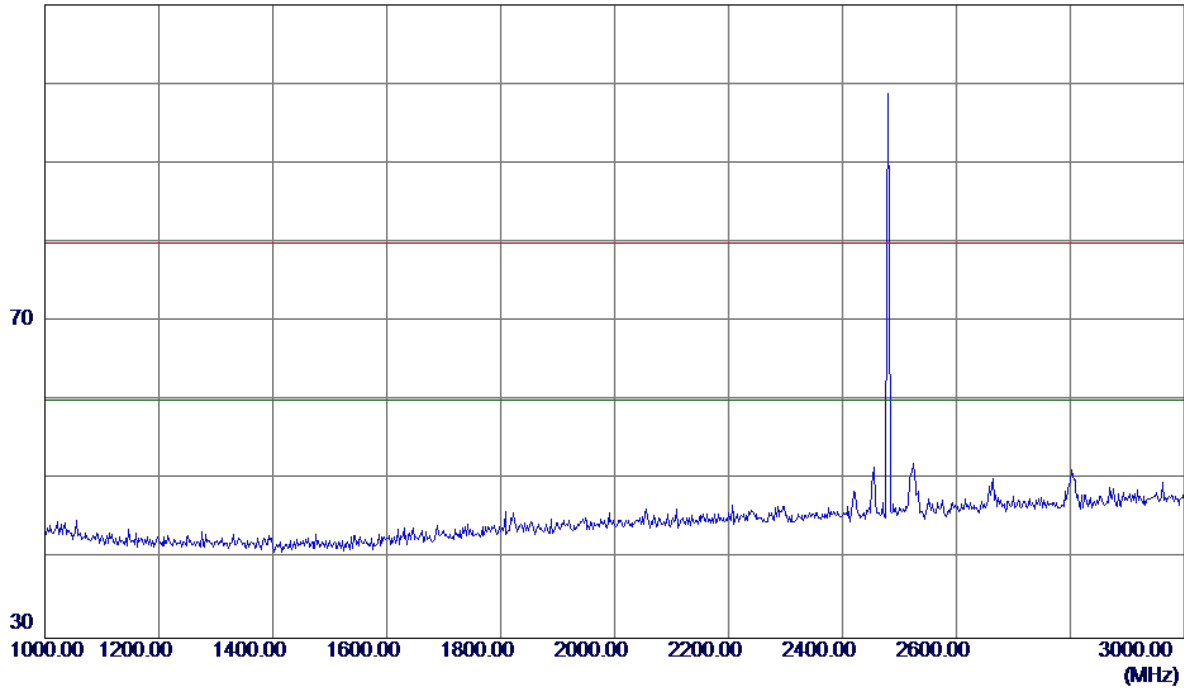


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2480.0500	54.72	33.39	88.11	54.00	34.11	AVG	No Limit
2	2480.1500	58.59	33.39	91.98	74.00	17.98	Peak	No Limit
3	2483.5000	22.99	33.40	56.39	74.00	-17.61	Peak	
4	2483.5000	13.20	33.40	46.60	54.00	-7.40	AVG	

Test Mode :	TX 2480MHz _CH78_1Mbps
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Vertical

110 dBuV/m

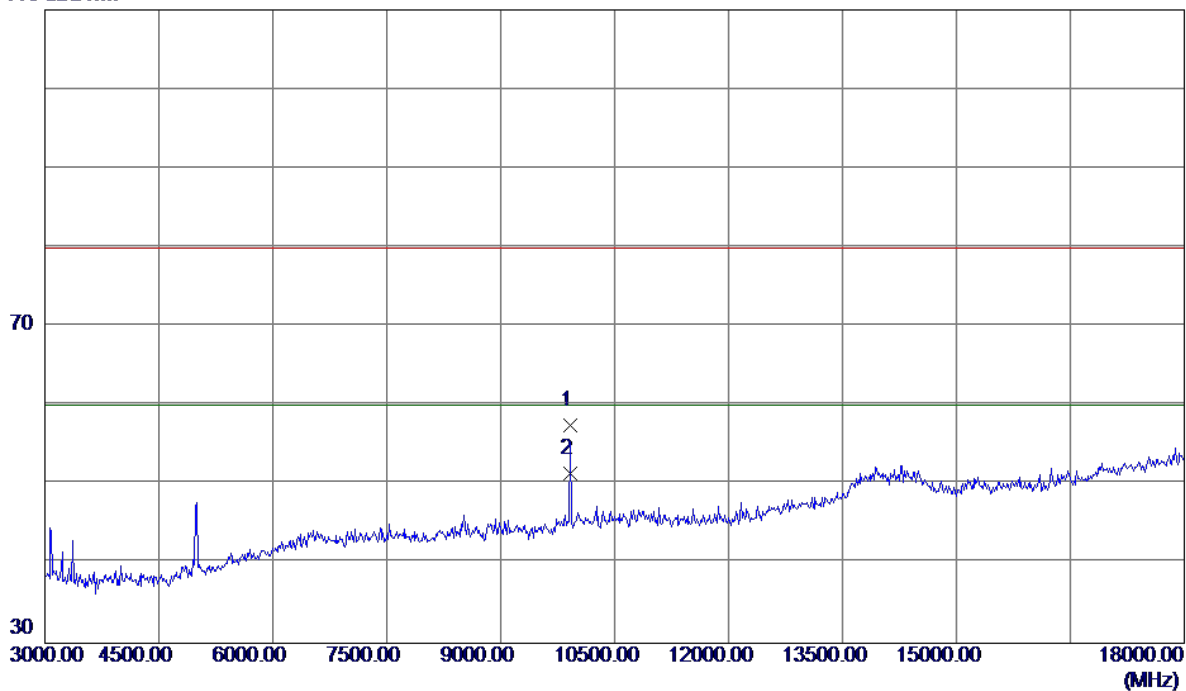


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Test Mode :	TX 2480MHz _CH78_1Mbps
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Vertical

110 dBuV/m

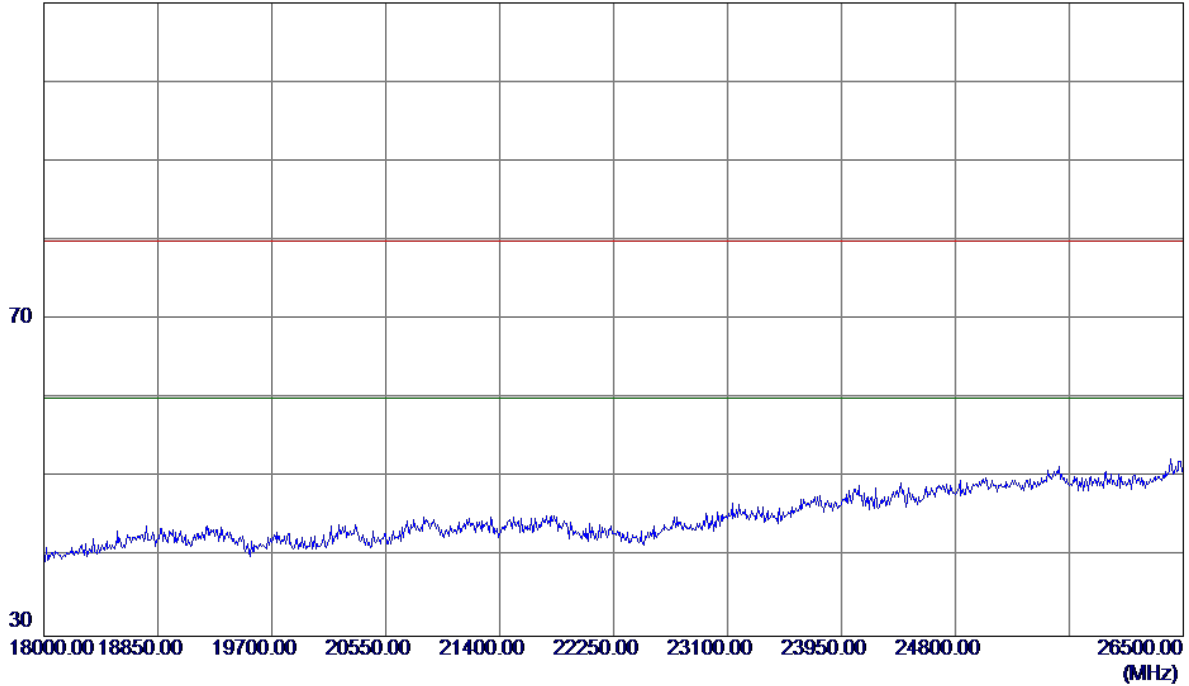


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	9920.0150	43.61	13.97	57.58	80.00	-22.42	Peak	
2 *	9920.0050	37.45	13.97	51.42	60.00	-8.58	AVG	

Test Mode :	TX 2480MHz _CH78_1Mbps
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Vertical

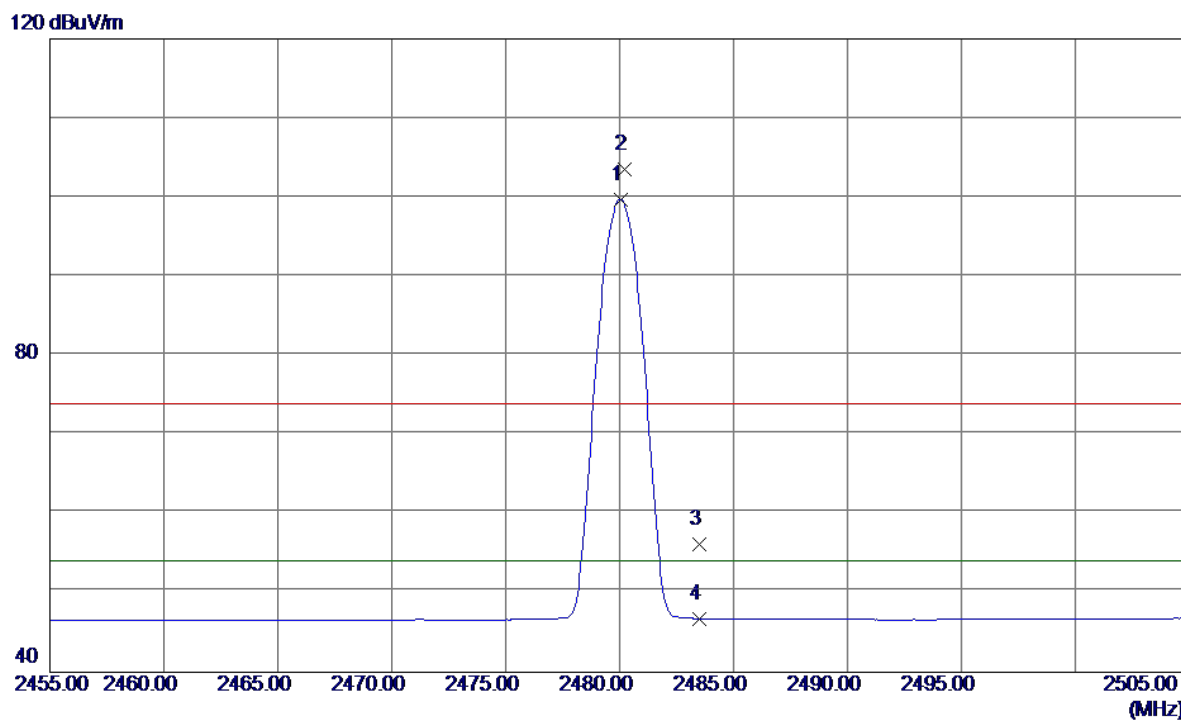
110 dBuV/m



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
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Horizontal

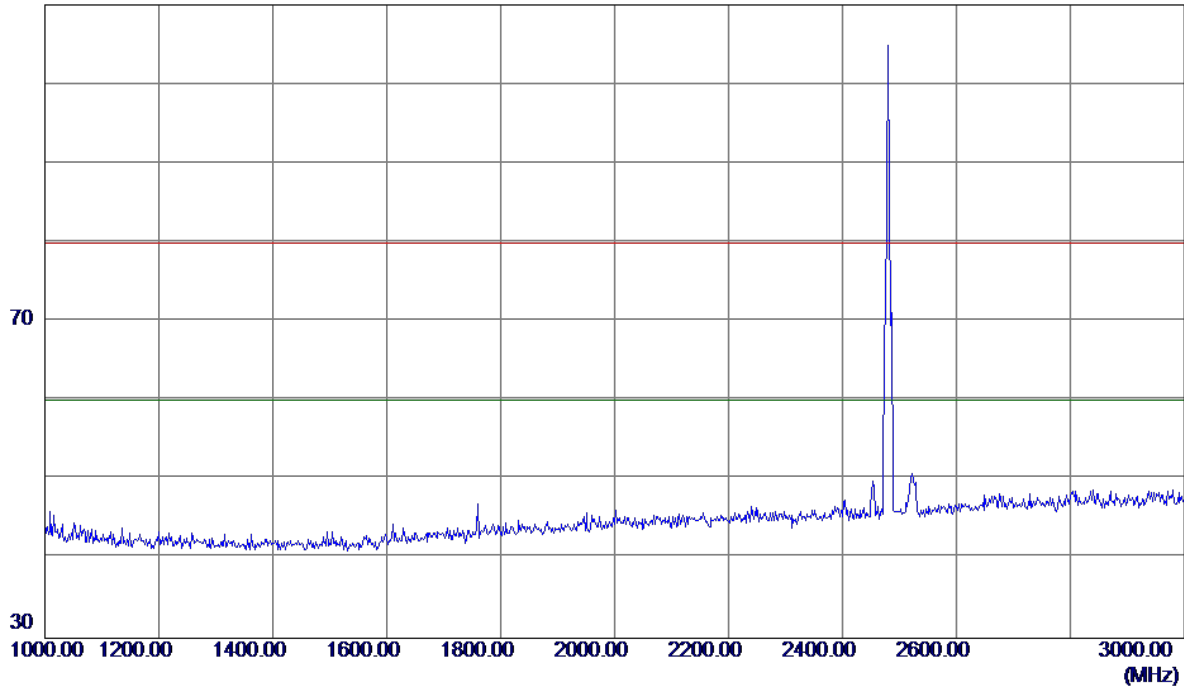


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	2480.0500	66.33	33.39	99.72	54.00	45.72	AVG	No Limit
2	2480.2000	70.14	33.39	103.53	74.00	29.53	Peak	No Limit
3	2483.5000	22.79	33.40	56.19	74.00	-17.81	Peak	
4	2483.5000	13.38	33.40	46.78	54.00	-7.22	AVG	

Test Mode :	TX 2480MHz _CH78_1Mbps
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Horizontal

110 dBuV/m

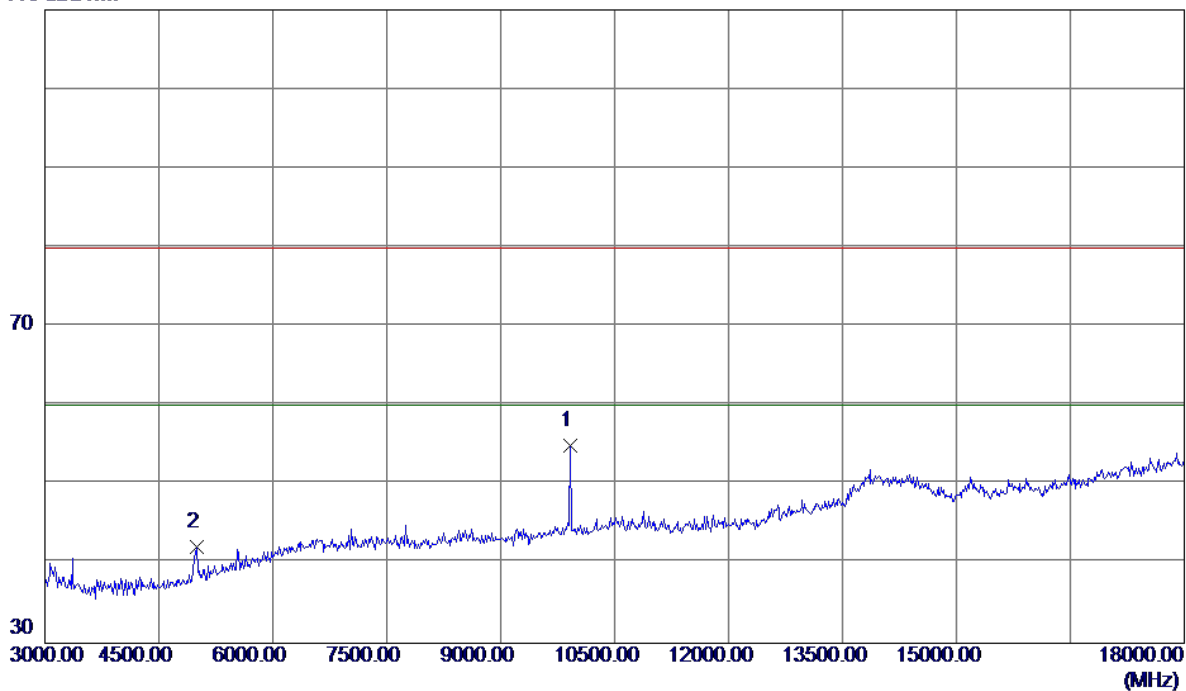


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Test Mode : TX 2480MHz _CH78_1Mbps

Horizontal

110 dBuV/m

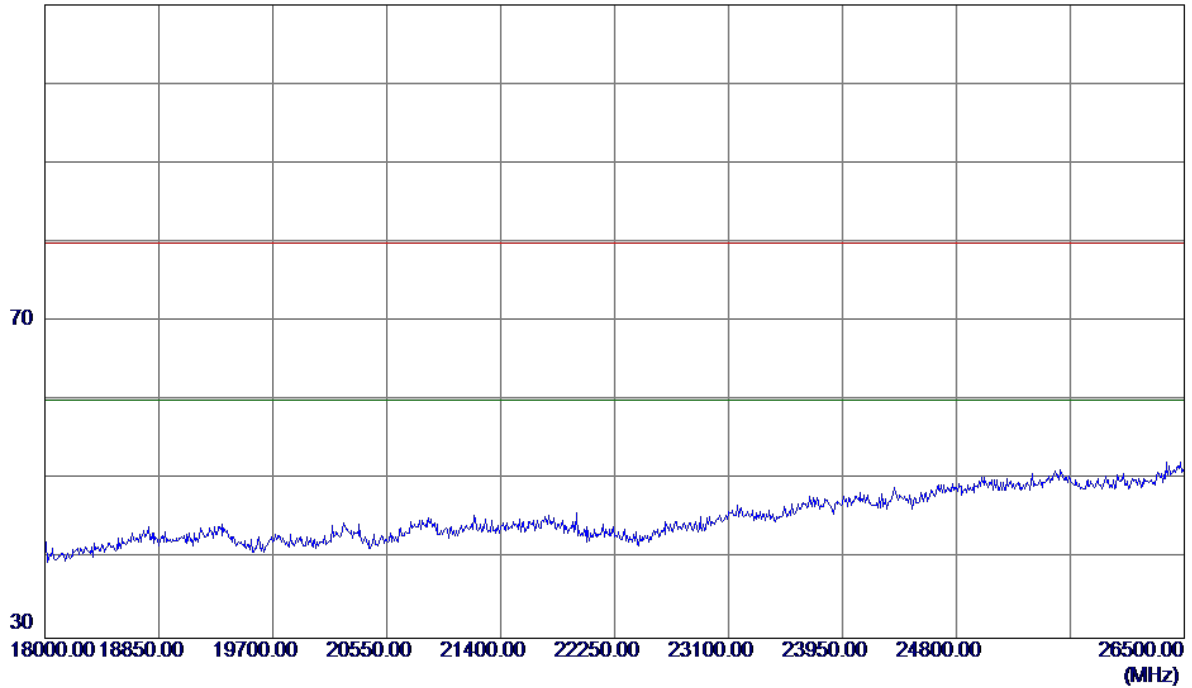


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9915.0000	41.01	13.96	54.97	80.00	-25.03	Peak	
2	4995.0000	36.58	5.58	42.16	80.00	-37.84	Peak	

Test Mode :	TX 2480MHz _CH78_1Mbps
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Horizontal

110 dBuV/m

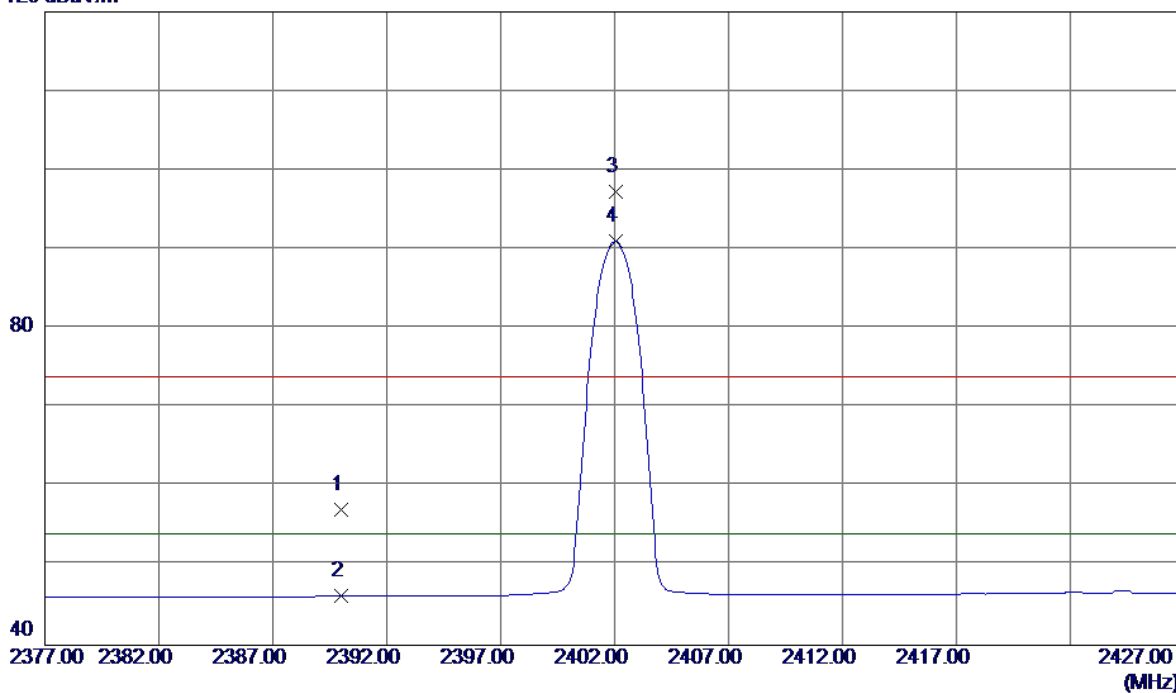


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Test Mode : TX 2402MHz _CH00_3Mbps

Vertical

120 dBuV/m

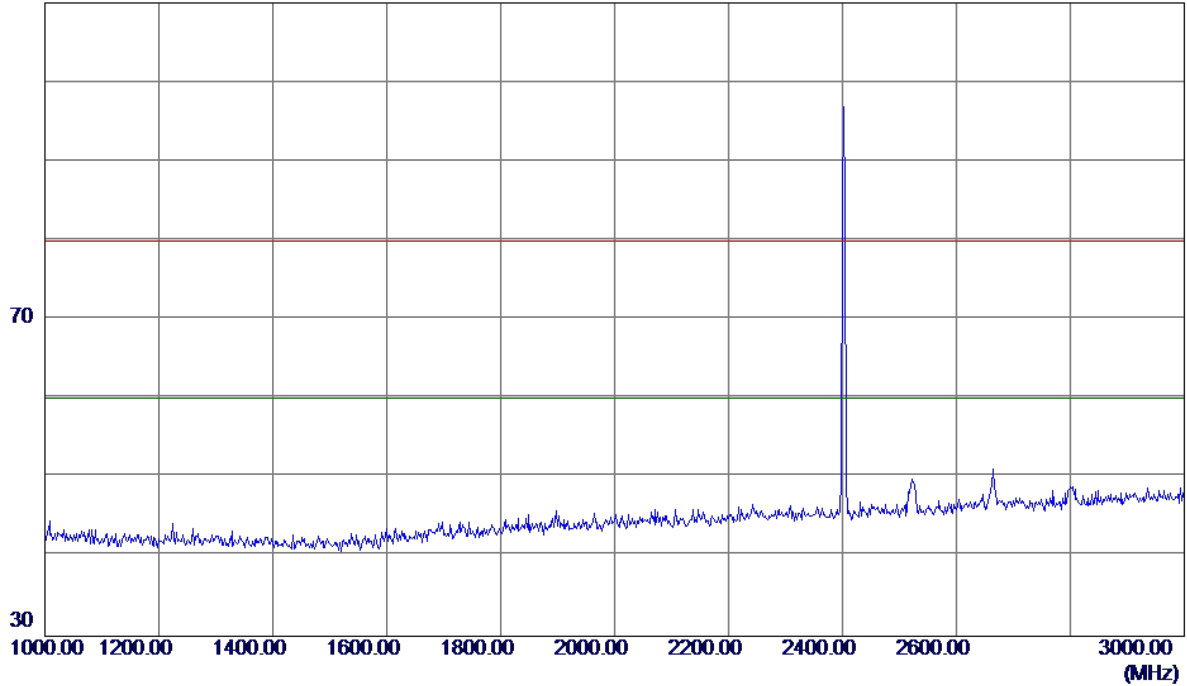


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.09	33.01	57.10	74.00	-16.90	Peak	
2	2390.0000	13.17	33.01	46.18	54.00	-7.82	AVG	
3	2402.0500	64.18	33.06	97.24	74.00	23.24	Peak	No Limit
4 *	2402.0500	57.95	33.06	91.01	54.00	37.01	AVG	No Limit

Test Mode :	TX 2402MHz _CH00_3Mbps
-------------	------------------------

Vertical

110 dBuV/m

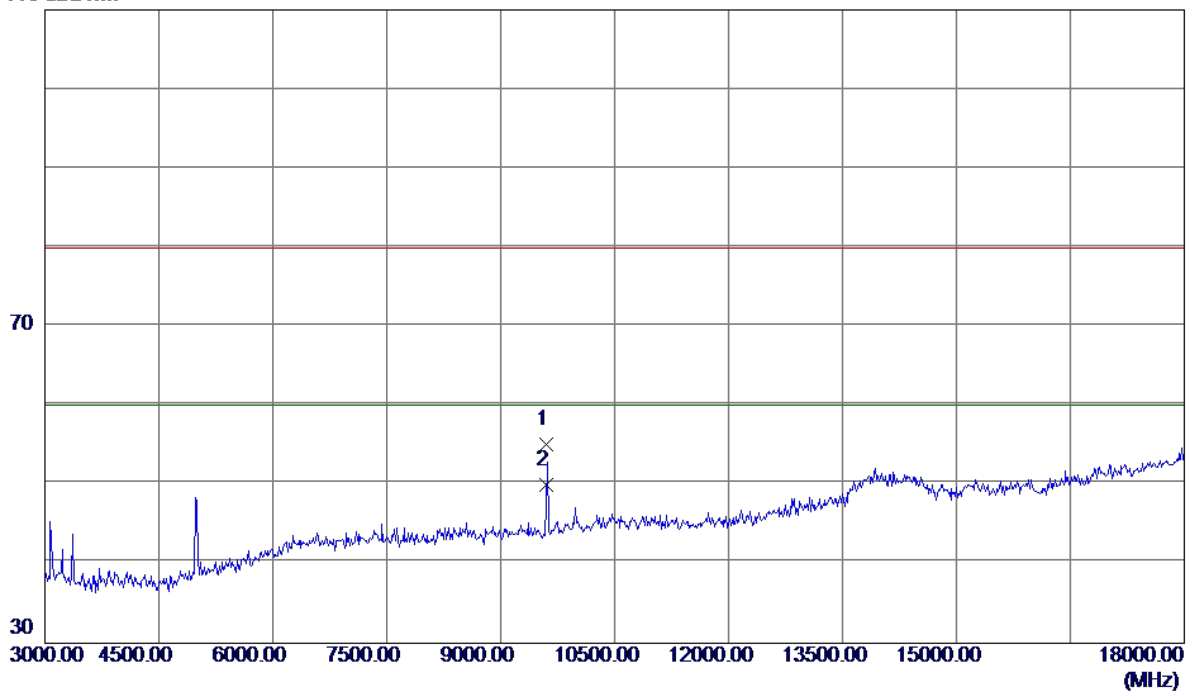


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Test Mode :	TX 2402MHz _CH00_3Mbps
-------------	------------------------

Vertical

110 dBuV/m



No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		
1	9608.0199	41.71	13.40	55.11	80.00	-24.89	Peak	
2 *	9608.0000	36.54	13.40	49.94	60.00	-10.06	AVG	

Test Mode : TX 2402MHz _CH00_3Mbps

Vertical

110 dBuV/m

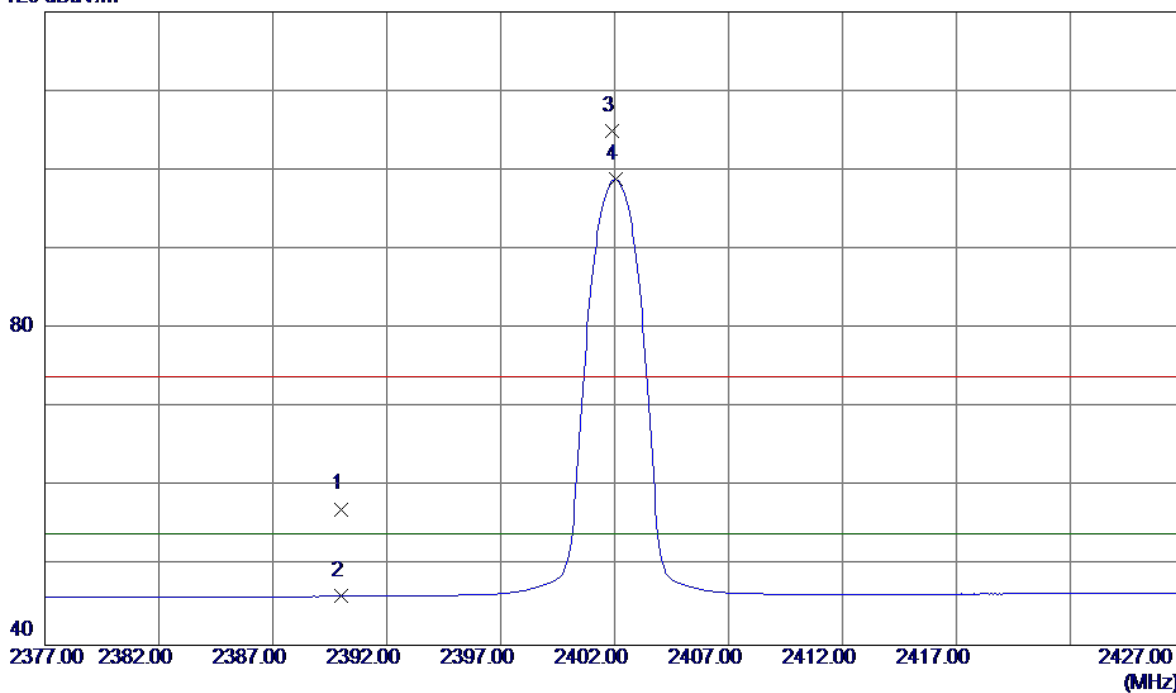


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Test Mode : TX 2402MHz _CH00_3Mbps

Horizontal

120 dBuV/m

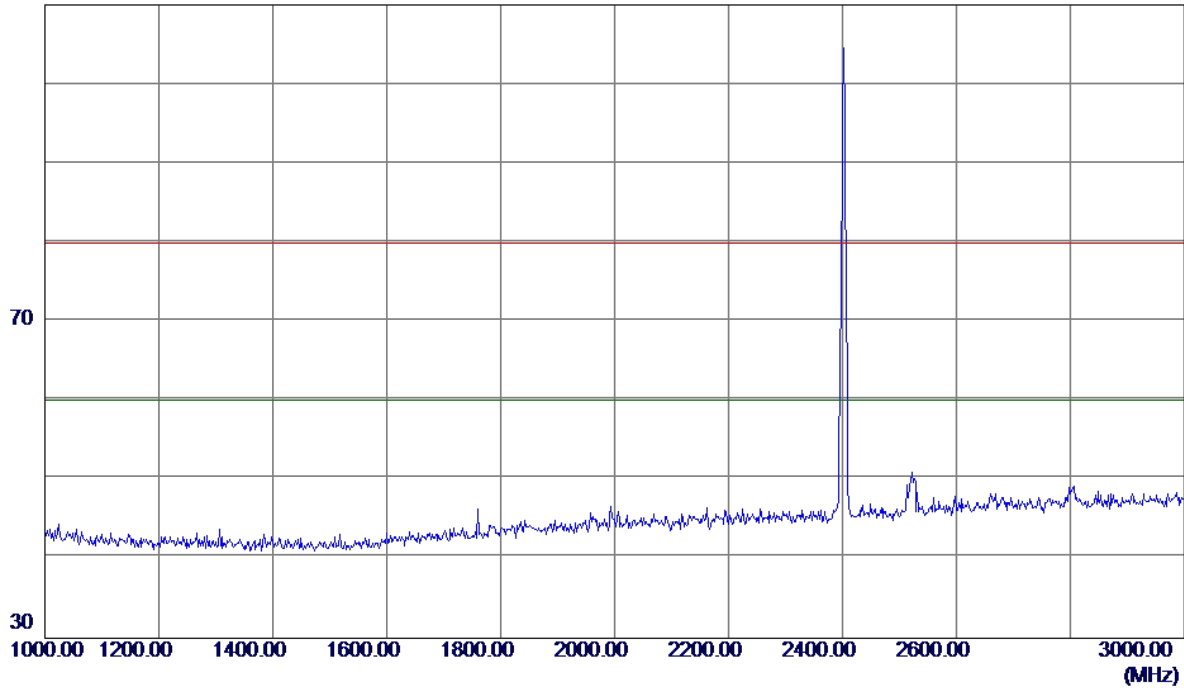


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2390.0000	24.19	33.01	57.20	74.00	-16.80	Peak	
2	2390.0000	13.17	33.01	46.18	54.00	-7.82	AVG	
3	2401.9000	71.89	33.06	104.95	74.00	30.95	Peak	No Limit
4 *	2402.0500	65.76	33.06	98.82	54.00	44.82	AVG	No Limit

Test Mode :	TX 2402MHz _CH00_3Mbps
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Horizontal

110 dBuV/m

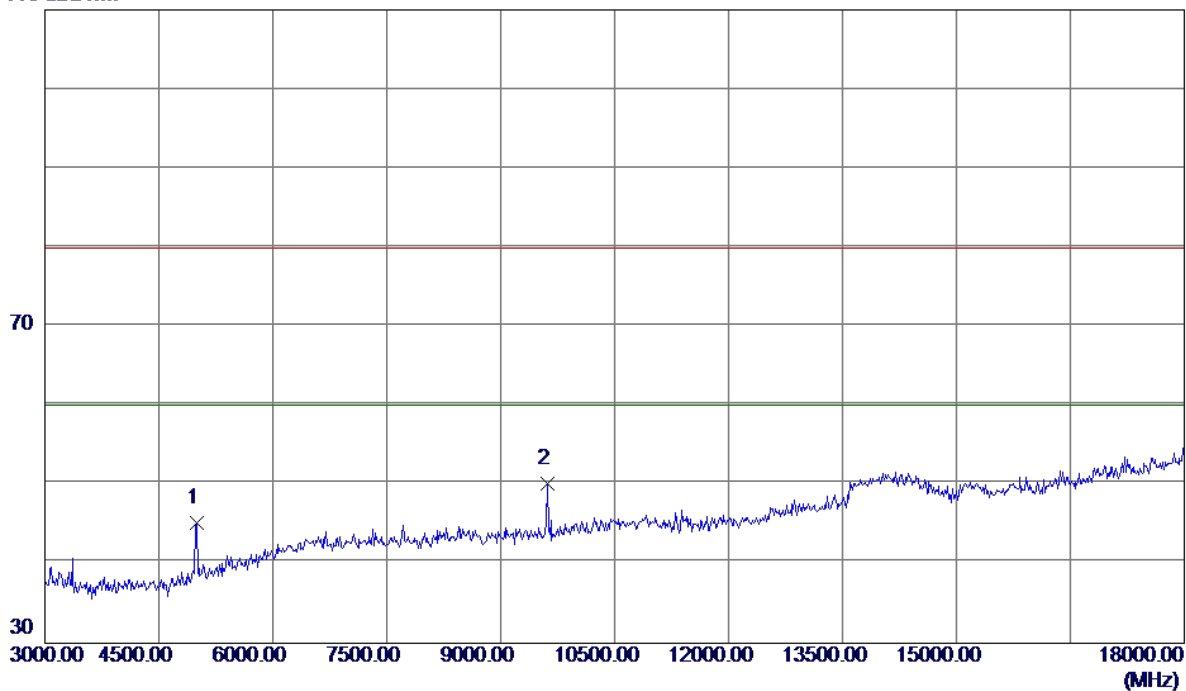


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode :	TX 2402MHz _CH00_3Mbps
-------------	------------------------

Horizontal

110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	4995.0000	39.57	5.58	45.15	80.00	-34.85	Peak	
2 *	9615.0000	36.80	13.42	50.22	80.00	-29.78	Peak	

Test Mode :	TX 2402MHz _CH00_3Mbps
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Horizontal

110 dBuV/m

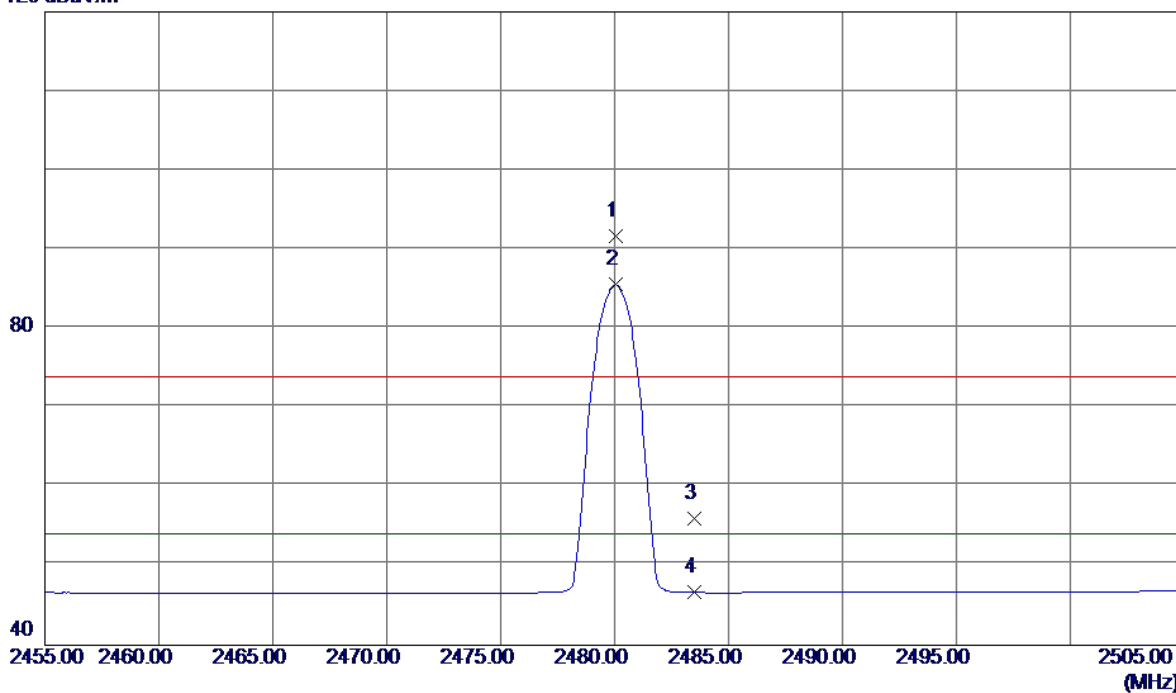


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Test Mode : TX 2480MHz _CH78_ 3Mbps

Vertical

120 dBuV/m

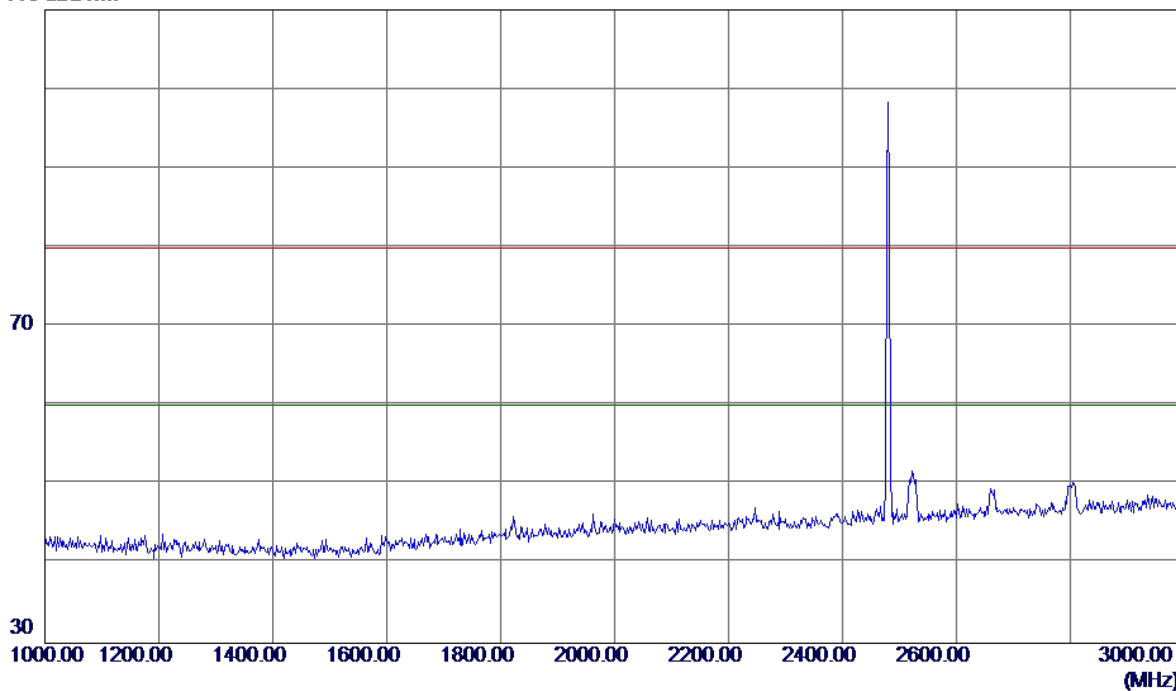


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2480.0500	58.32	33.39	91.71	74.00	17.71	Peak	No Limit
2 *	2480.0500	52.14	33.39	85.53	54.00	31.53	AVG	No Limit
3	2483.5000	22.55	33.40	55.95	74.00	-18.05	Peak	
4	2483.5000	13.27	33.40	46.67	54.00	-7.33	AVG	

Test Mode :	TX 2480MHz _CH78_3Mbps
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Vertical

110 dBuV/m

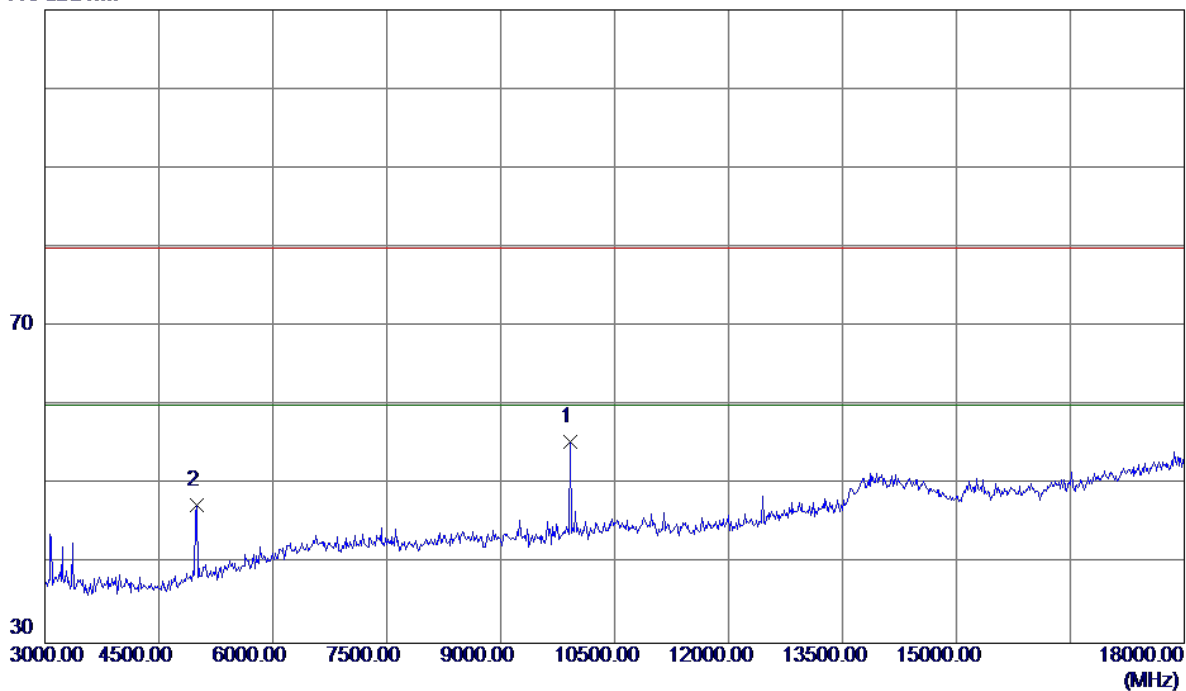


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Test Mode :	TX 2480MHz _CH78_3Mbps
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Vertical

110 dBuV/m



No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1 *	9915.0000	41.41	13.96	55.37	80.00	-24.63	Peak	
2	4995.0000	41.87	5.58	47.45	80.00	-32.55	Peak	

Test Mode : TX 2480MHz _CH78_3Mbps

Vertical

110 dBuV/m

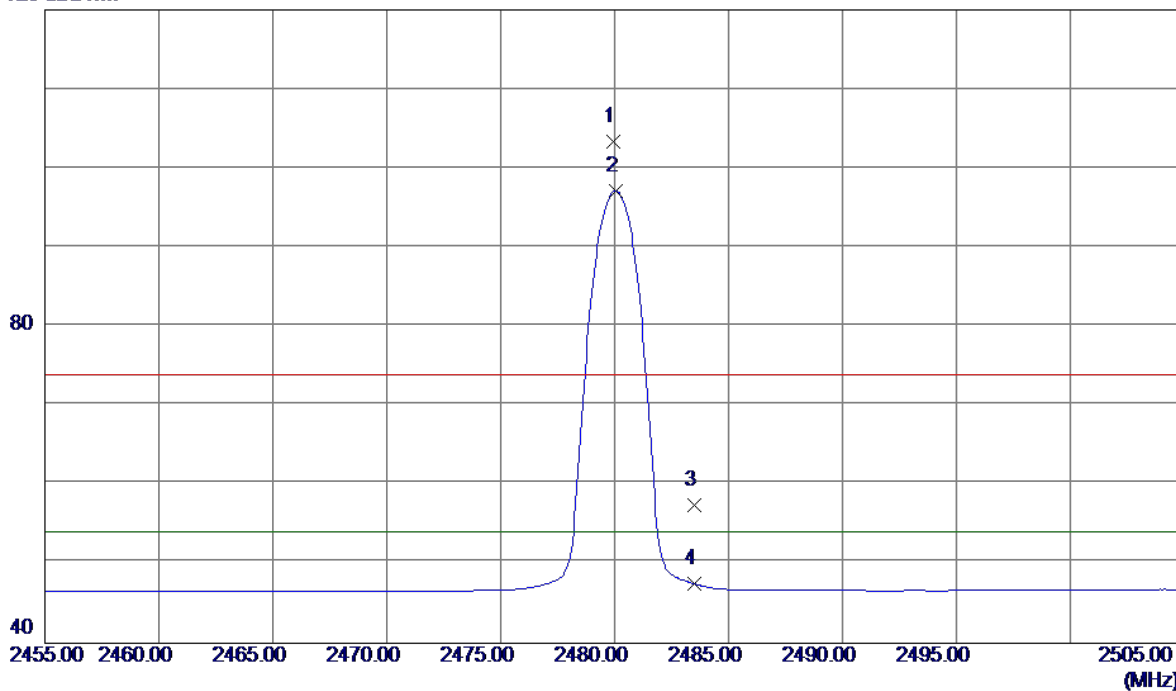


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Test Mode : TX 2480MHz _CH78_3Mbps

Horizontal

120 dBuV/m

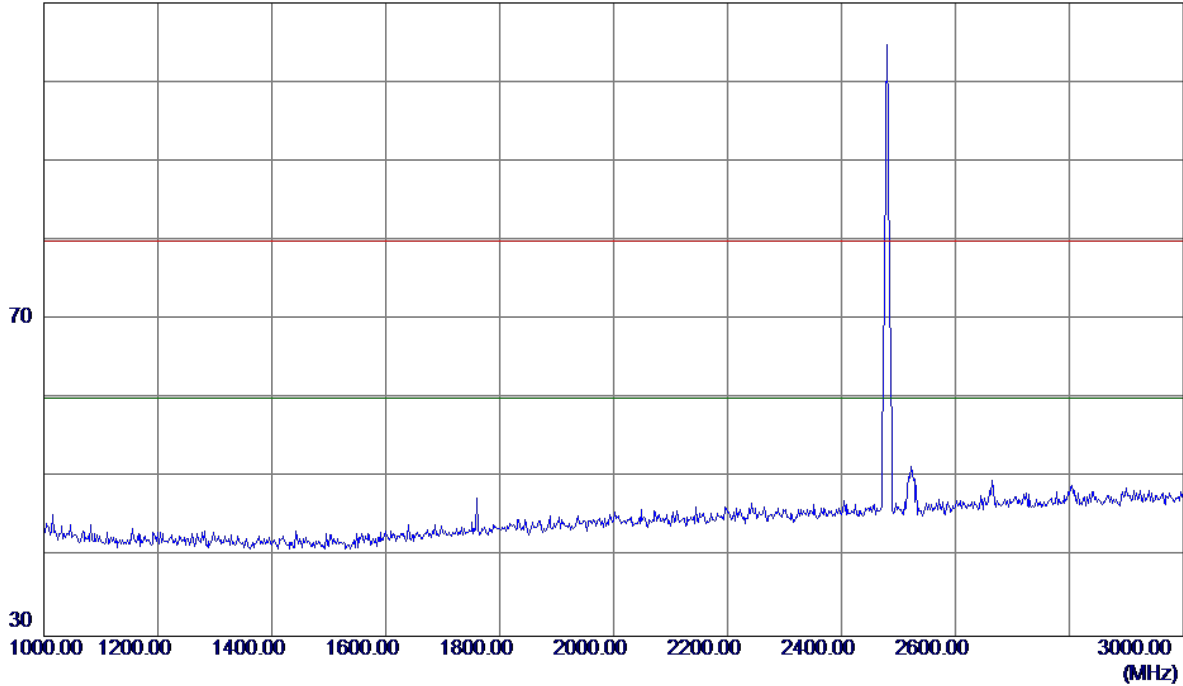


No.	Freq. MHz	Reading Level dBuV/m	Correct Factor dB	Measure ment dBuV/m	Limit dBuV/m	Margin dB	Detector	Comment
1	2479.9500	69.97	33.39	103.36	74.00	29.36	Peak	No Limit
2 *	2480.0500	63.74	33.39	97.13	54.00	43.13	AVG	No Limit
3	2483.5000	24.06	33.40	57.46	74.00	-16.54	Peak	
4	2483.5000	14.11	33.40	47.51	54.00	-6.49	AVG	

Test Mode : TX 2480MHz _CH78_3Mbps

Horizontal

110 dBuV/m

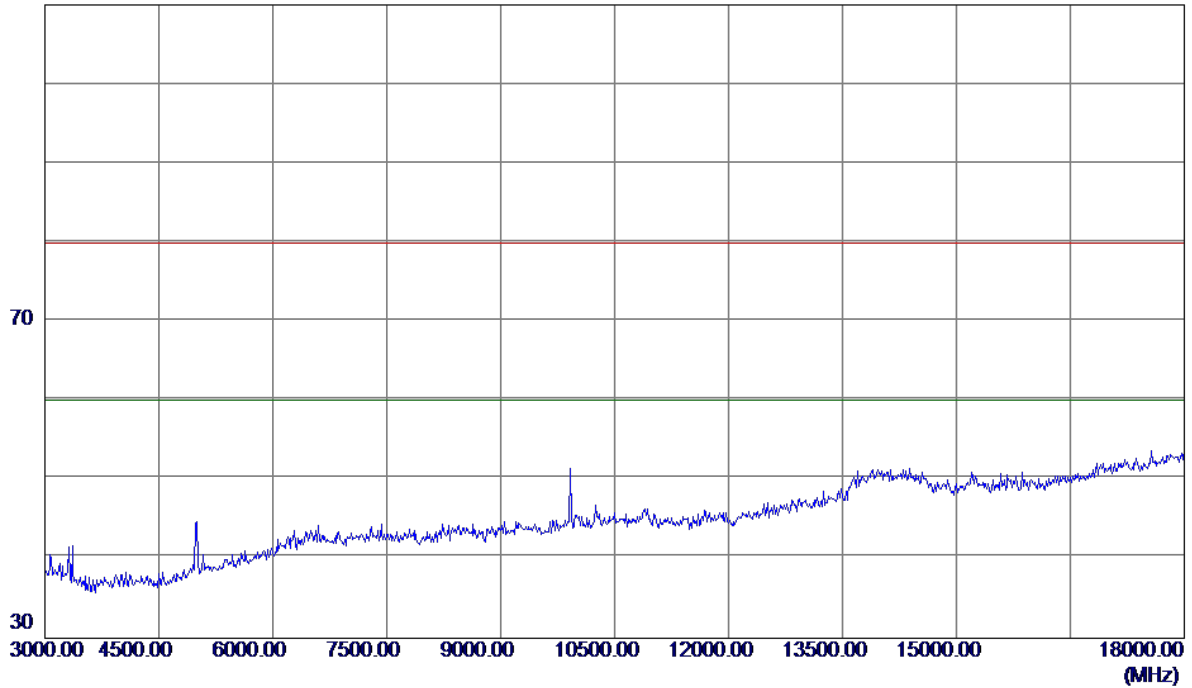


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector	Comment
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB		

Test Mode :	TX 2480MHz _CH78_3Mbps
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Horizontal

110 dBuV/m

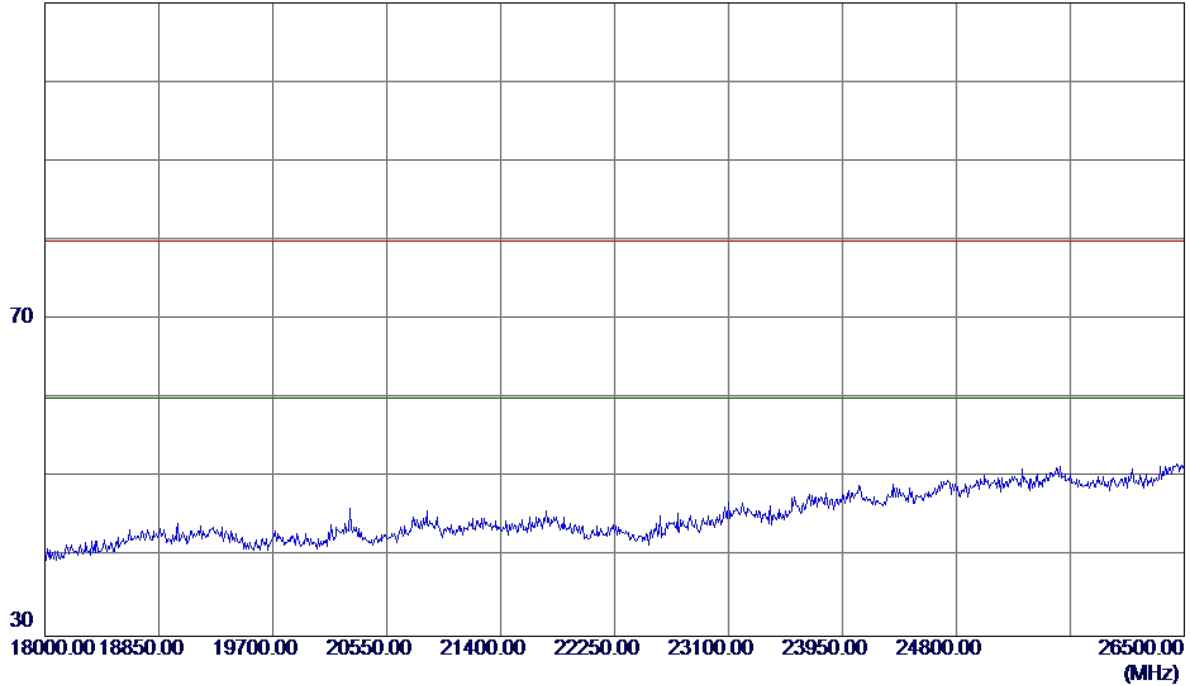


No.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin		
	MHz	dBuV/m	dB	dBuV/m	dBuV/m	dB	Detector	Comment

Test Mode :	TX 2480MHz _CH78_3Mbps
-------------	------------------------

Horizontal

110 dBuV/m



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

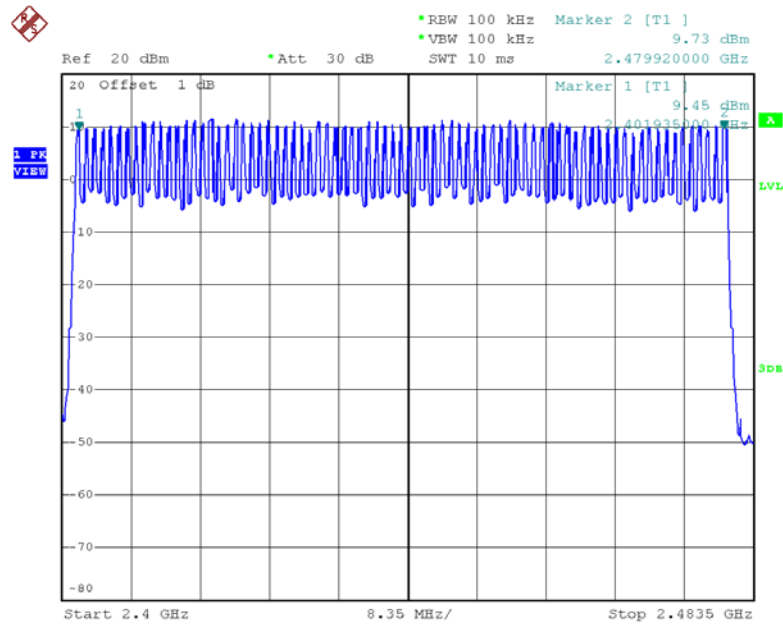
ATTACHMENT E - NUMBER OF HOPPING CHANNEL

Test Mode

Hopping Mode_1Mbps

Number of Hopping Channel

79



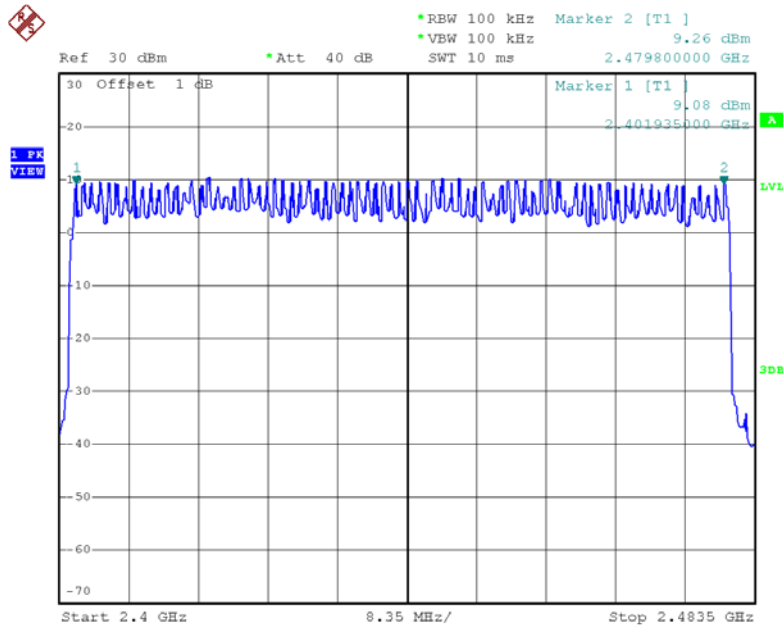
Date: 22.DEC.2016 19:44:40

Test Mode

Hopping Mode_3Mbps

Number of Hopping Channel

79



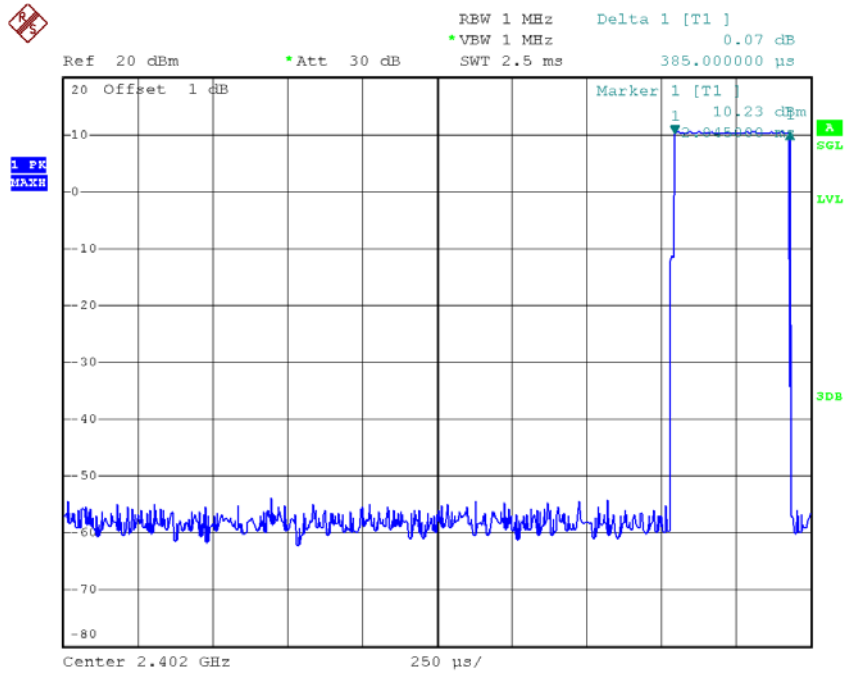
Date: 22.DEC.2016 20:09:10

ATTACHMENT F - AVERAGE TIME OF OCCUPANCY

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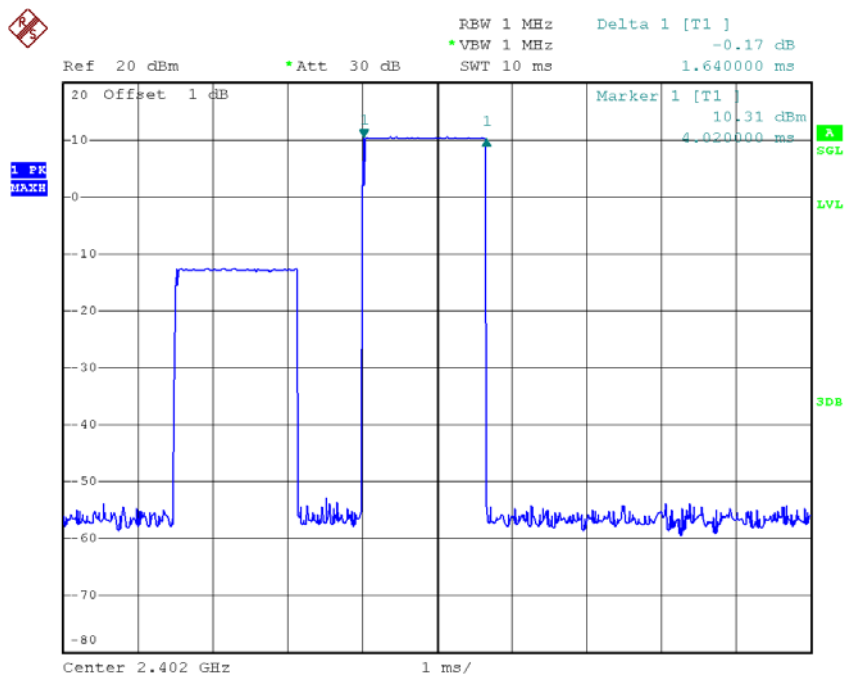
Data Packet	Frequency (MHz)	Pulse Duration (ms)	Dwell Time (s)	Limits (s)	Test Result
DH5	2402	2.8800	0.3072	0.4000	Pass
DH3	2402	1.6400	0.2624	0.4000	Pass
DH1	2402	0.3850	0.1232	0.4000	Pass
DH5	2441	2.8800	0.3072	0.4000	Pass
DH3	2441	1.6400	0.2624	0.4000	Pass
DH1	2441	0.3850	0.1232	0.4000	Pass
DH5	2480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

CH00-DH1



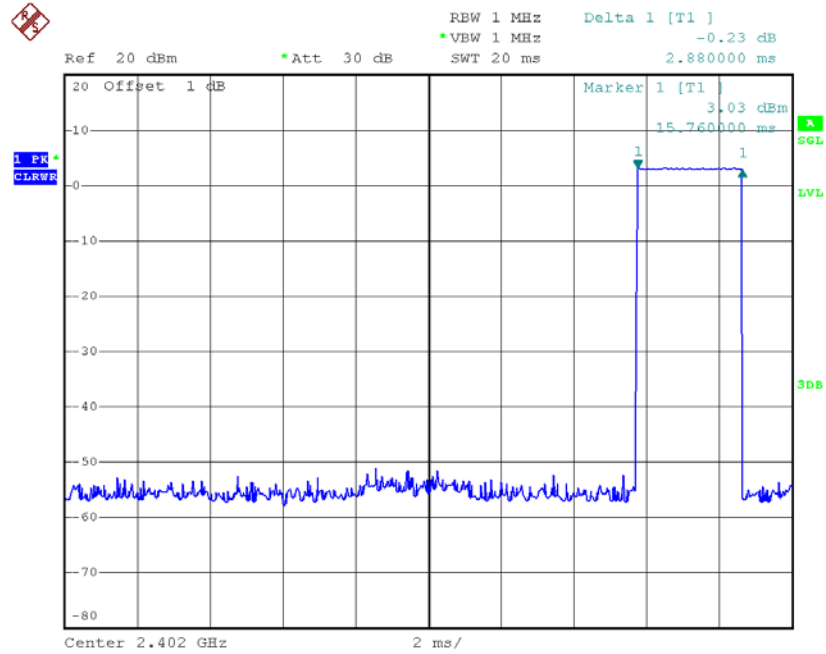
Date: 22.DEC.2016 19:39:24

CH00-DH3



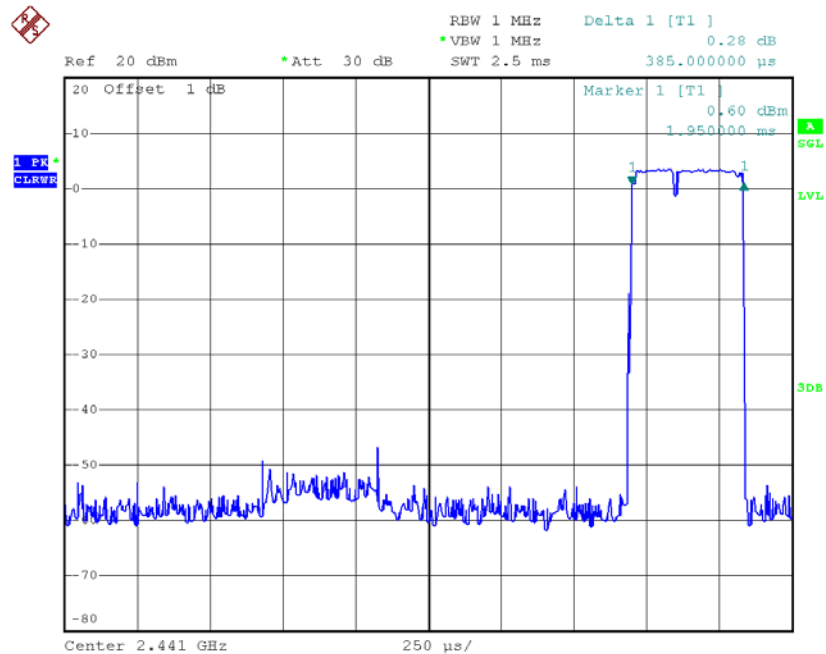
Date: 22.DEC.2016 19:46:20

CH00-DH5



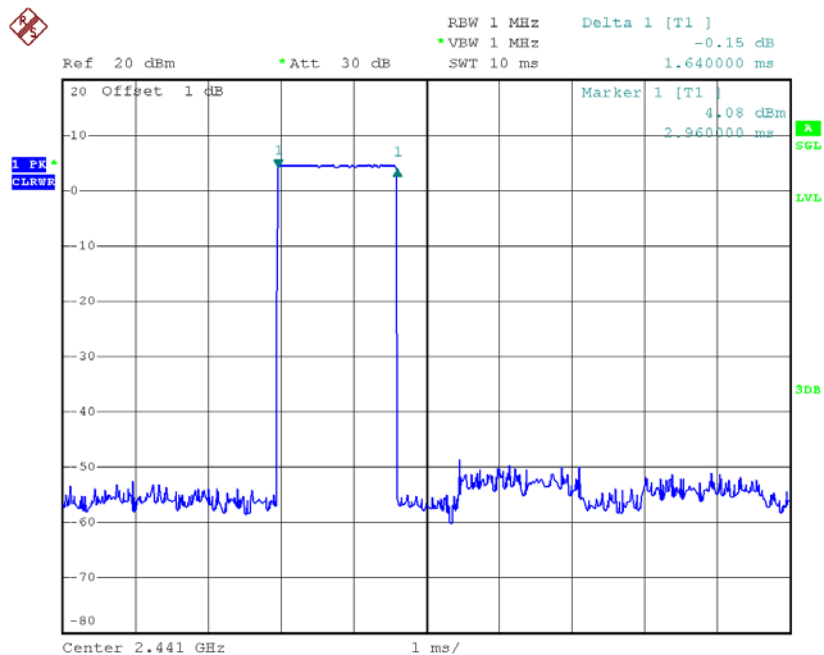
Date: 22.DEC.2016 19:46:51

CH39-DH1



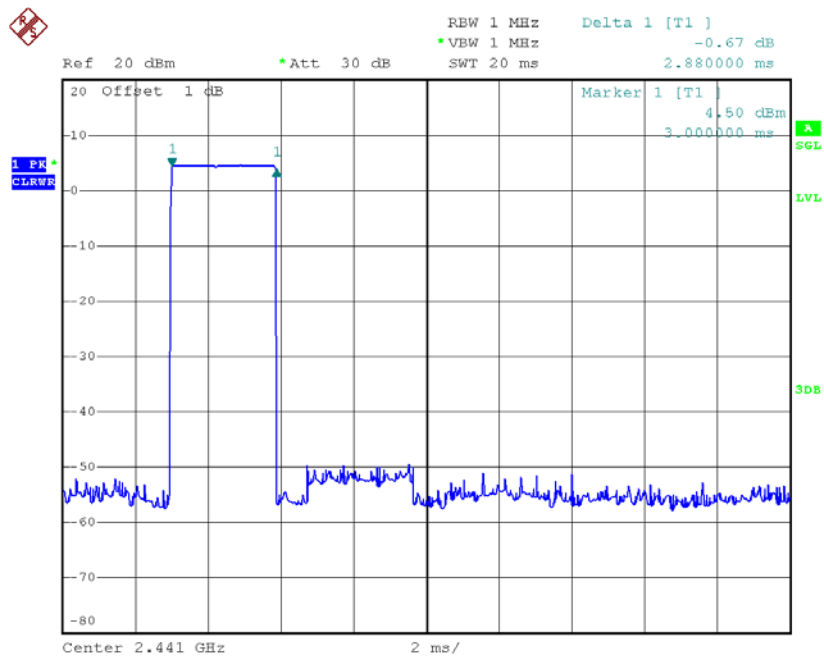
Date: 22.DEC.2016 19:39:31

CH39-DH3



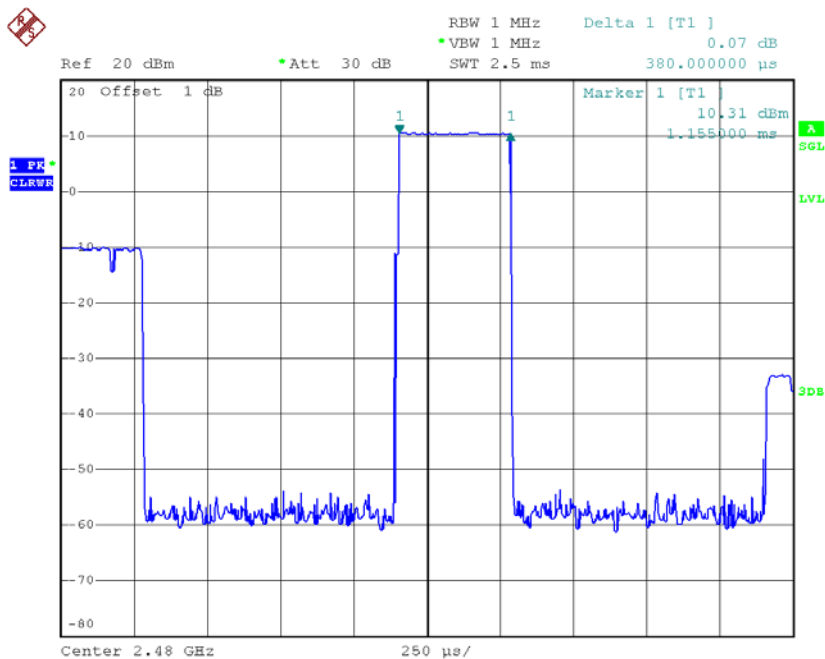
Date: 22.DEC.2016 19:46:25

CH39-DH5



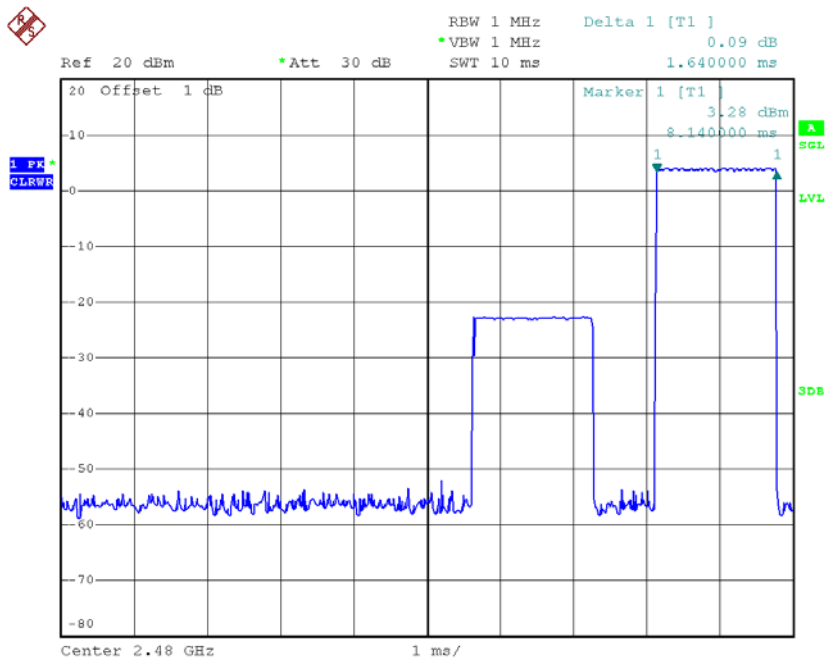
Date: 22.DEC.2016 19:46:58

CH78-DH1



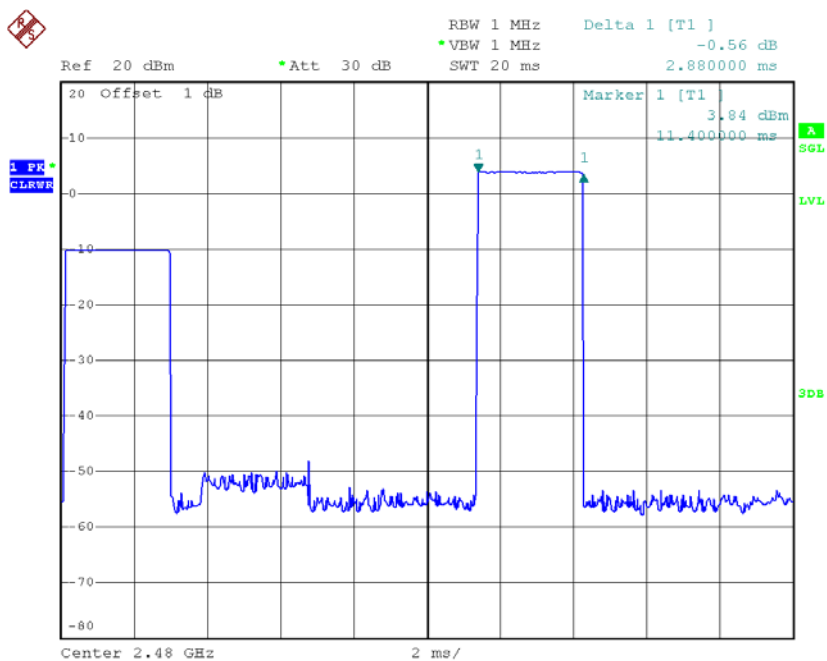
Date: 22.DEC.2016 19:39:35

CH78-DH3



Date: 22.DEC.2016 19:46:29

CH78-DH5

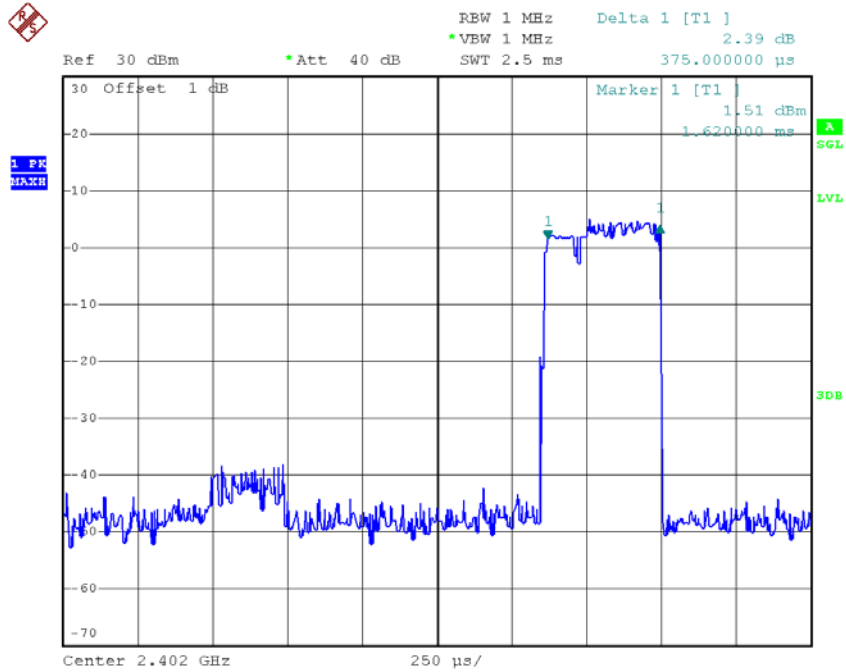


Date: 22.DEC.2016 19:47:05

Test Mode :	TX Mode_3Mbps
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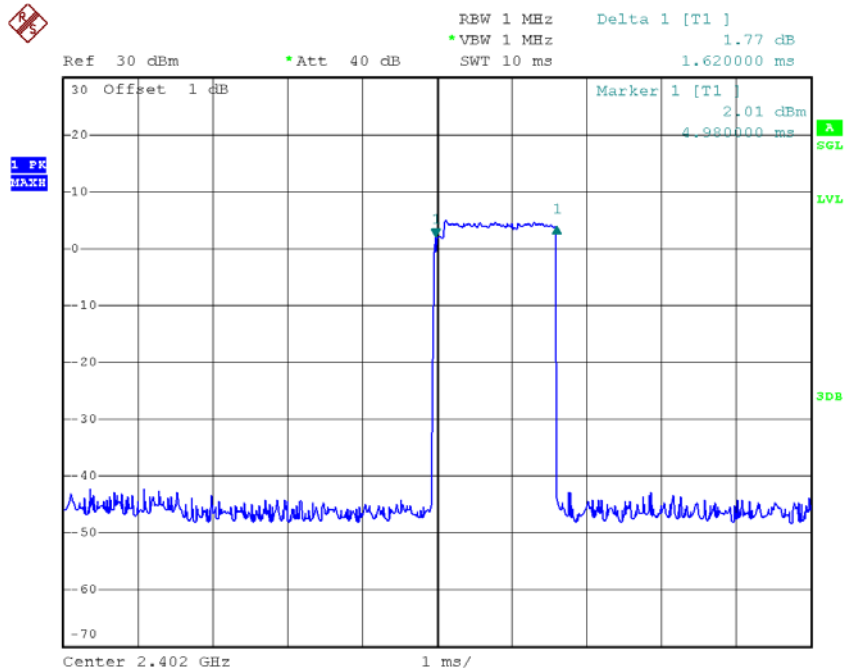
Data Packet	Frequency	Pulse Duration(ms)	Dwell Time(s)	Limits(s)	Test Result
DH5	2402	2.8800	0.3072	0.4000	Pass
DH3	2402	1.6200	0.2592	0.4000	Pass
DH1	2402	0.3750	0.1200	0.4000	Pass
DH5	2441	2.8800	0.3072	0.4000	Pass
DH3	2441	1.6400	0.2624	0.4000	Pass
DH1	2441	0.3750	0.1200	0.4000	Pass
DH5	2480	2.8800	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



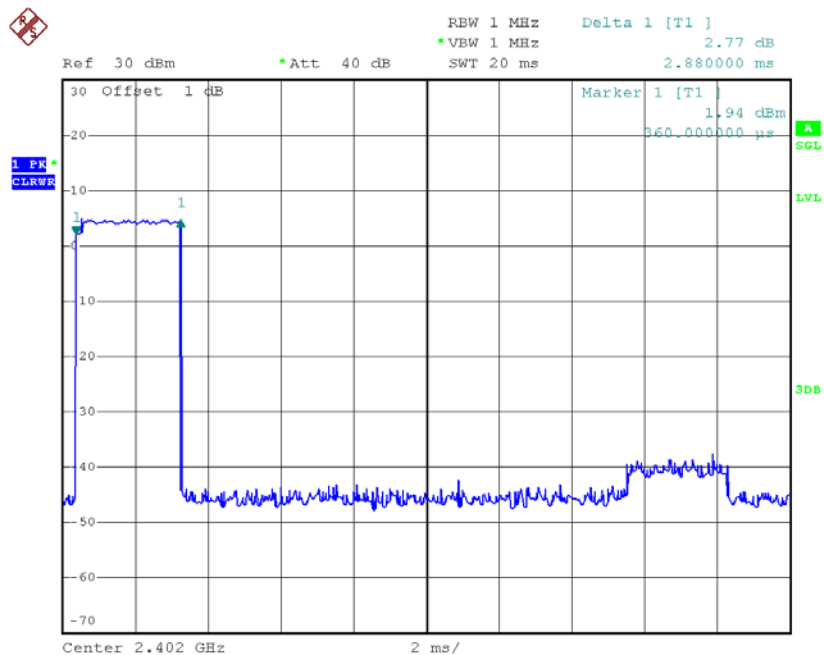
Date: 22.DEC.2016 20:03:34

CH00-DH3



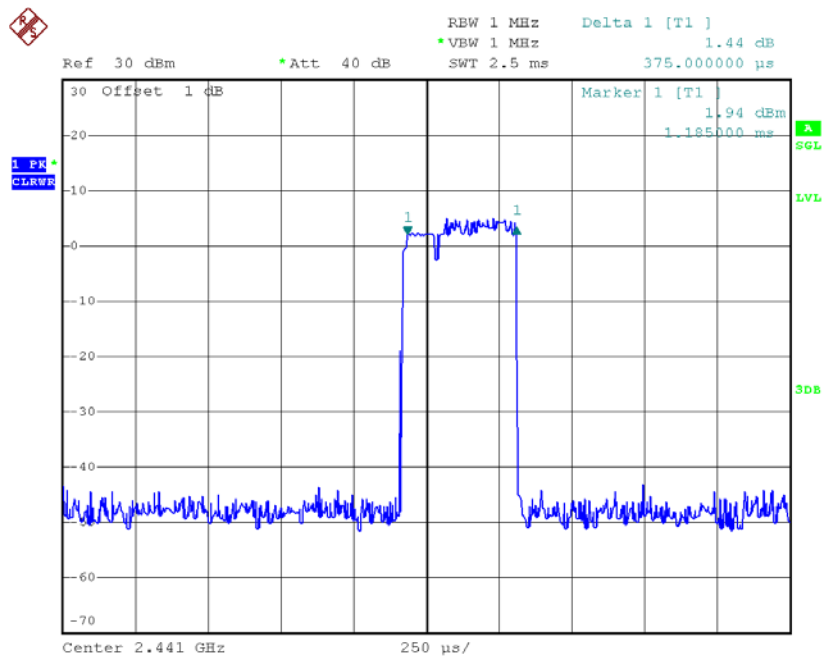
Date: 22.DEC.2016 20:11:23

CH00-DH5



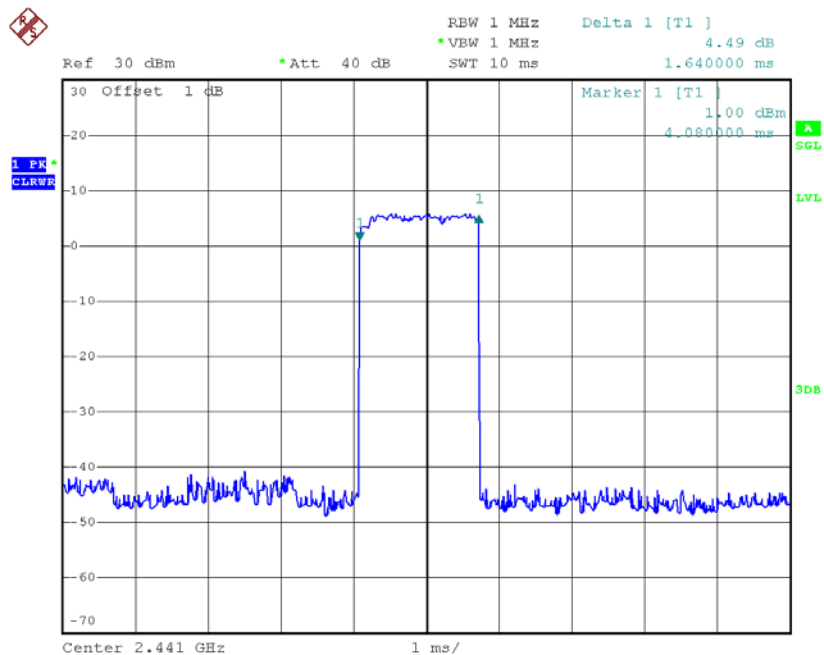
Date: 22.DEC.2016 20:11:49

CH39-DH1



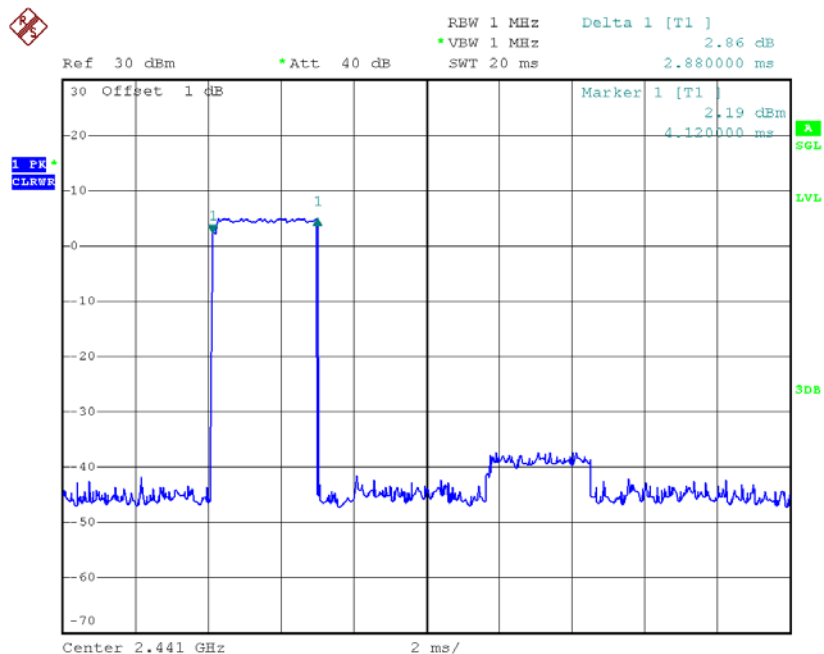
Date: 22.DEC.2016 20:03:41

CH39-DH3



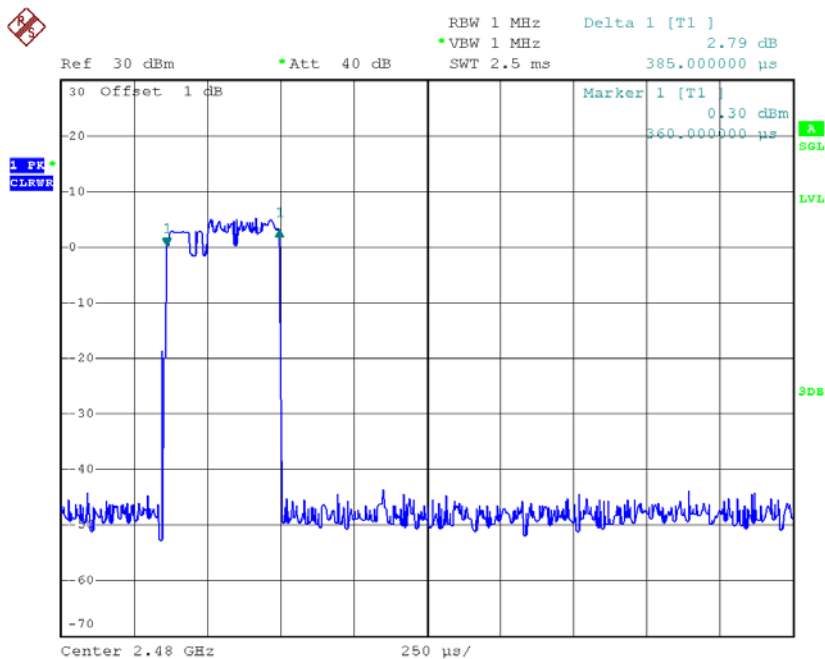
Date: 22.DEC.2016 20:11:28

CH39-DH5



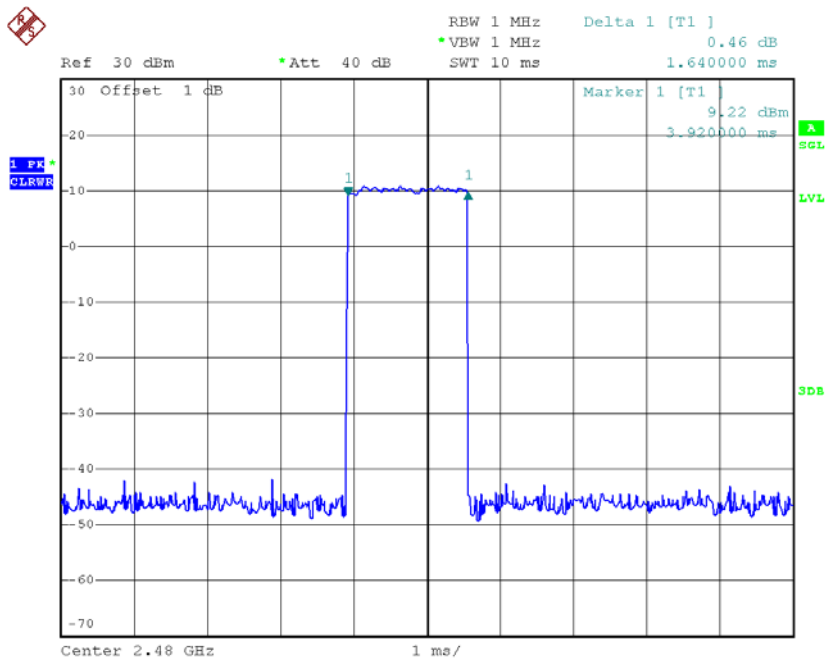
Date: 22.DEC.2016 20:11:55

CH78-DH1



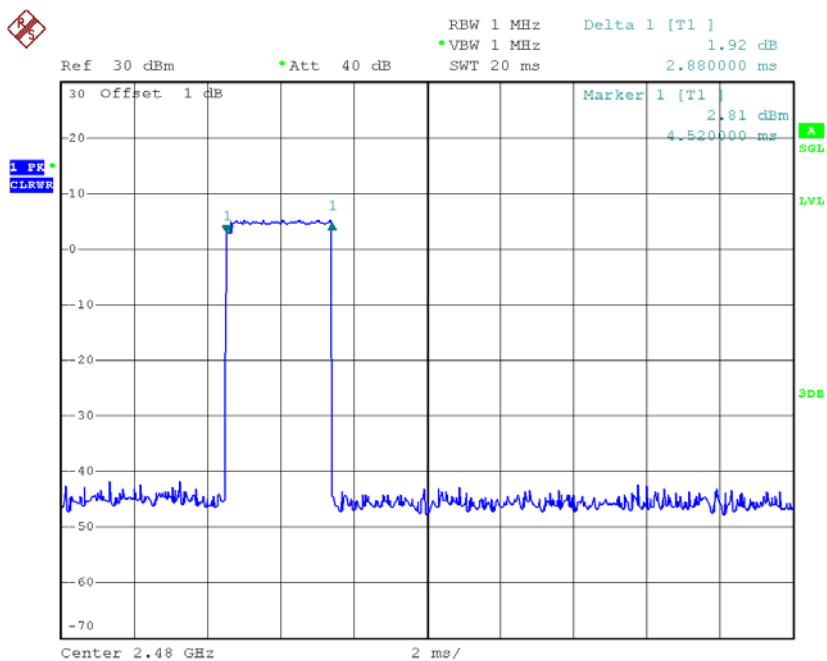
Date: 22.DEC.2016 20:03:58

CH78-DH3



Date: 22.DEC.2016 20:11:34

CH78-DH5

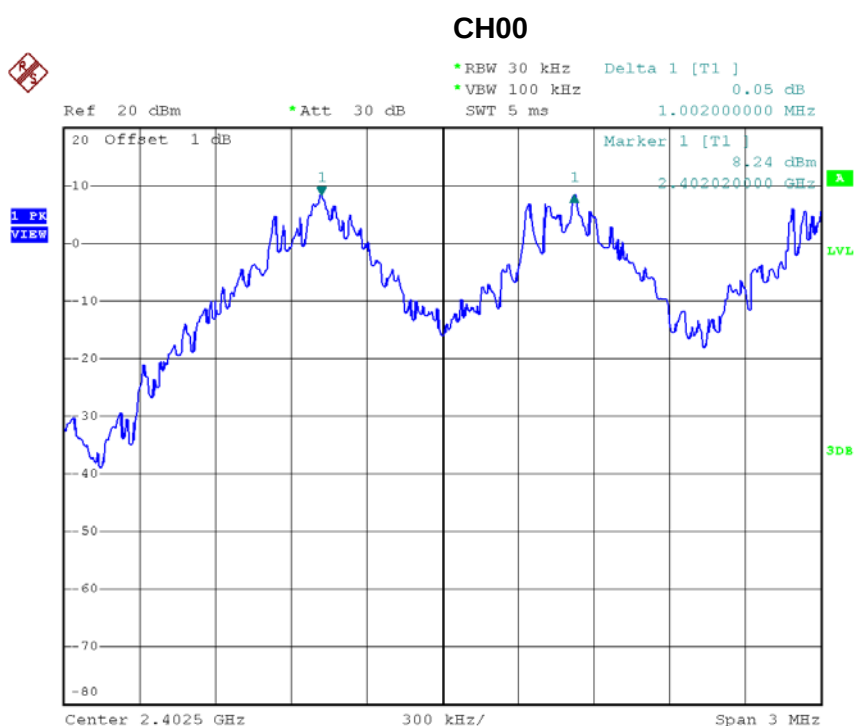


Date: 22.DEC.2016 20:11:59

ATTACHMENT G - HOPPING CHANNEL SEPARATION MEASUREMENT

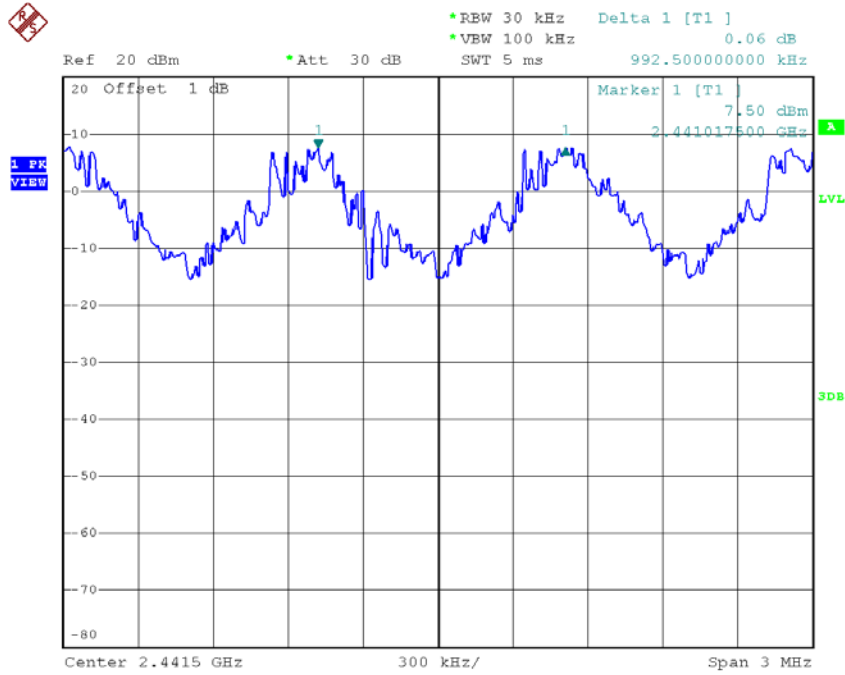
Test Mode :	Hopping on _1Mbps
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Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	1.002	0.637	Pass
2441	0.993	0.692	Pass
2480	1.008	0.631	Pass



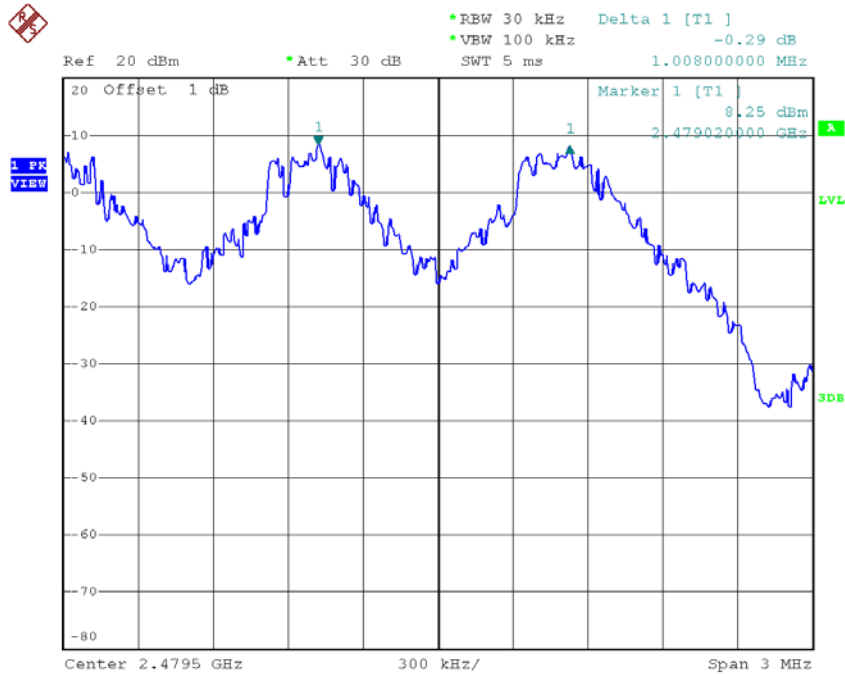
Date: 22.DEC.2016 19:40:41

CH39



Date: 22.DEC.2016 19:41:48

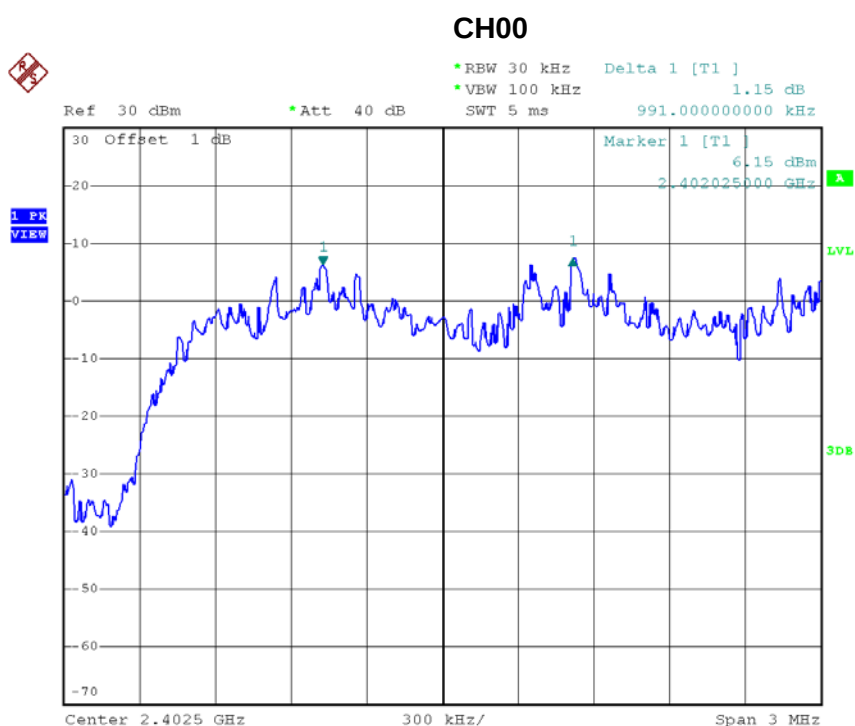
CH78



Date: 22.DEC.2016 19:42:52

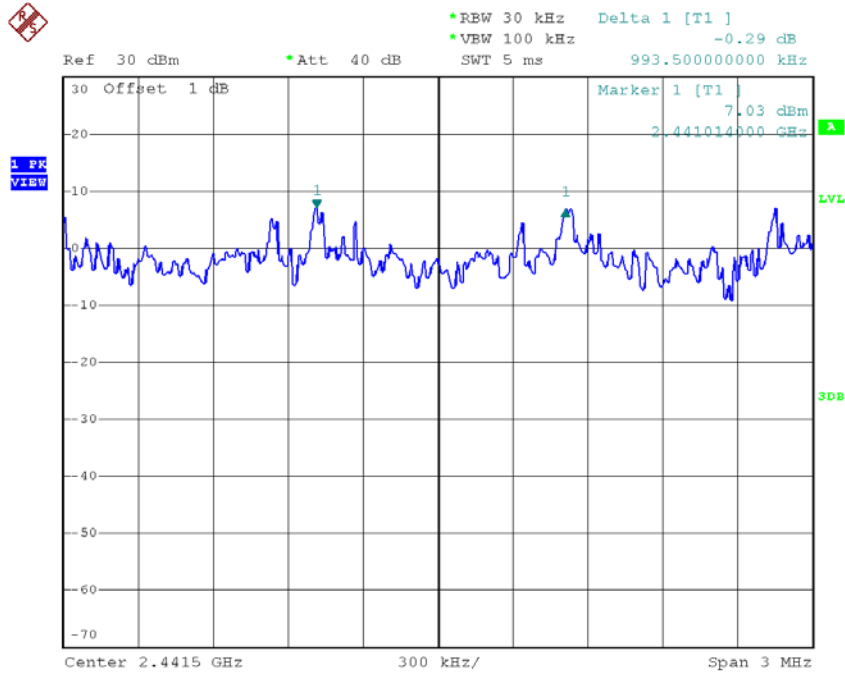
Test Mode :	Hopping on _3Mbps
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Frequency (MHz)	Channel Separation (MHz)	2/3 of 20dB Bandwidth (MHz)	Test Result
2402	0.991	0.843	Pass
2441	0.994	0.861	Pass
2480	0.994	0.875	Pass



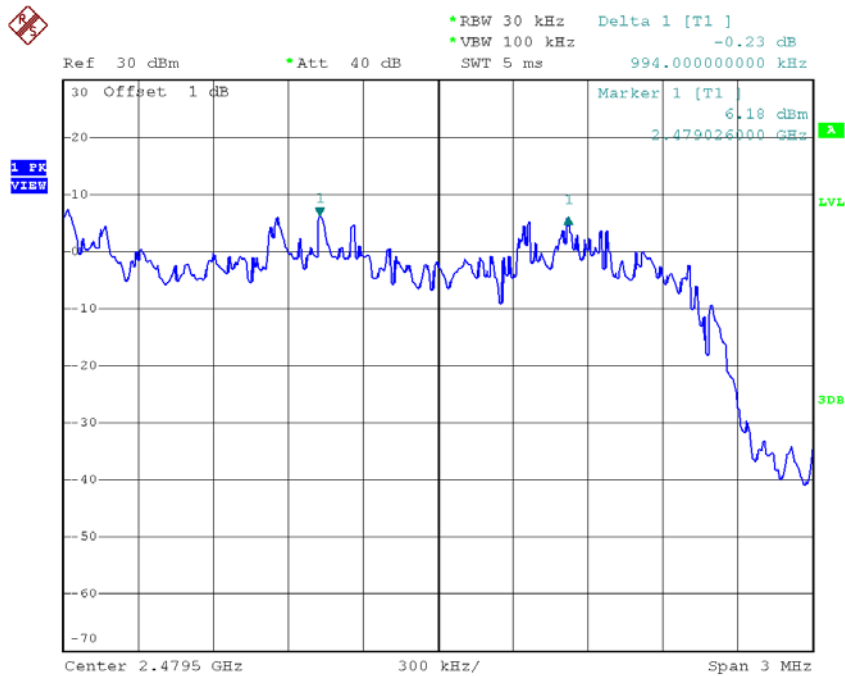
Date: 22.DEC.2016 20:05:06

CH39



Date: 22.DEC.2016 20:06:14

CH78



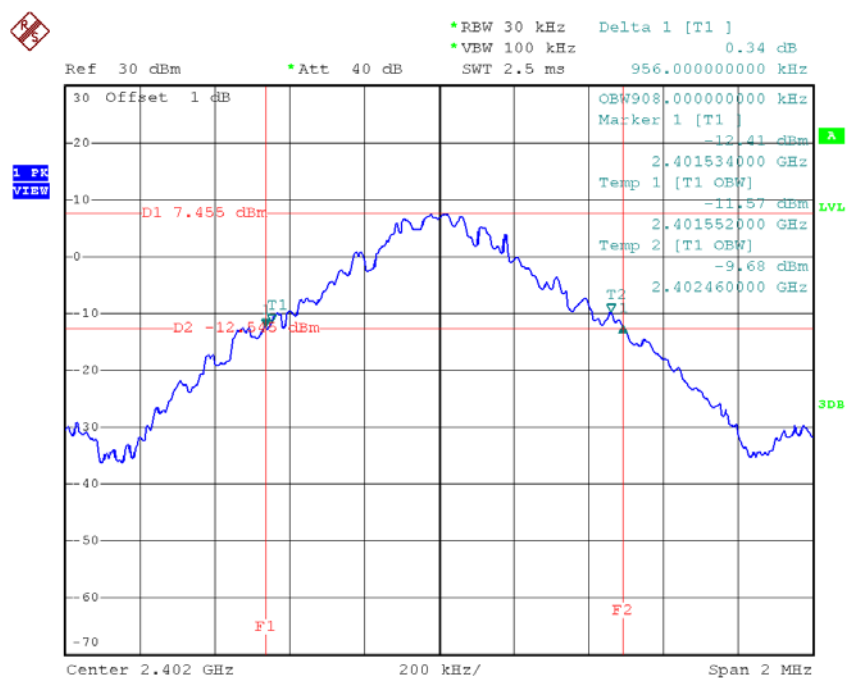
Date: 22.DEC.2016 20:07:22

ATTACHMENT H - BANDWIDTH

Test Mode :	TX Mode _1Mbps
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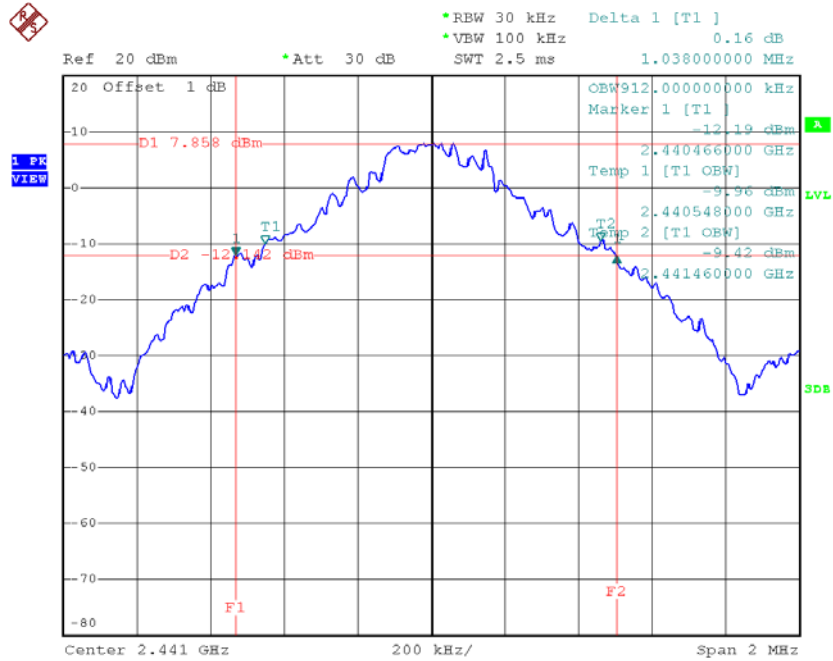
Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	0.956	0.908	Pass
2441	1.038	0.912	Pass
2480	0.946	0.896	Pass

CH00



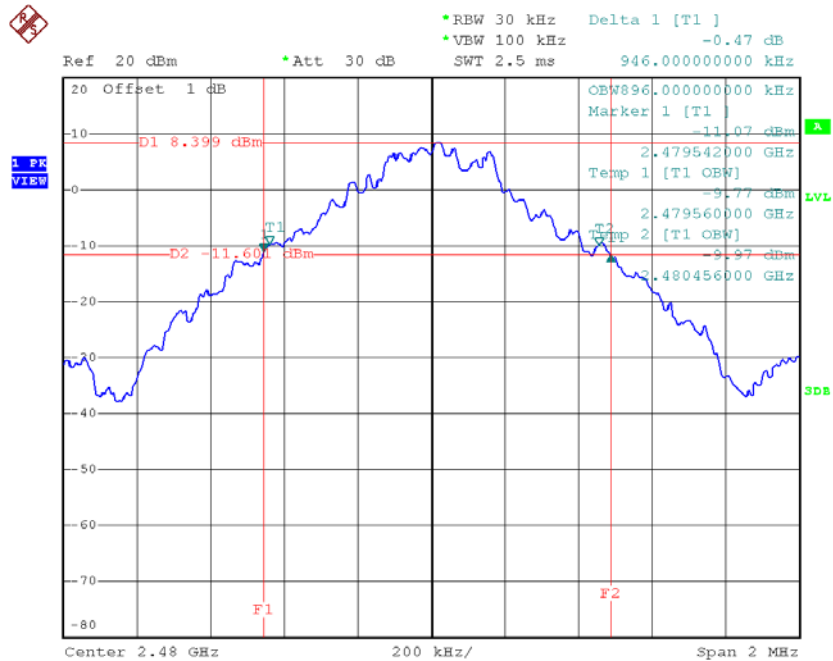
Date: 22.DEC.2016 19:57:40

CH39



Date: 22.DEC.2016 19:36:14

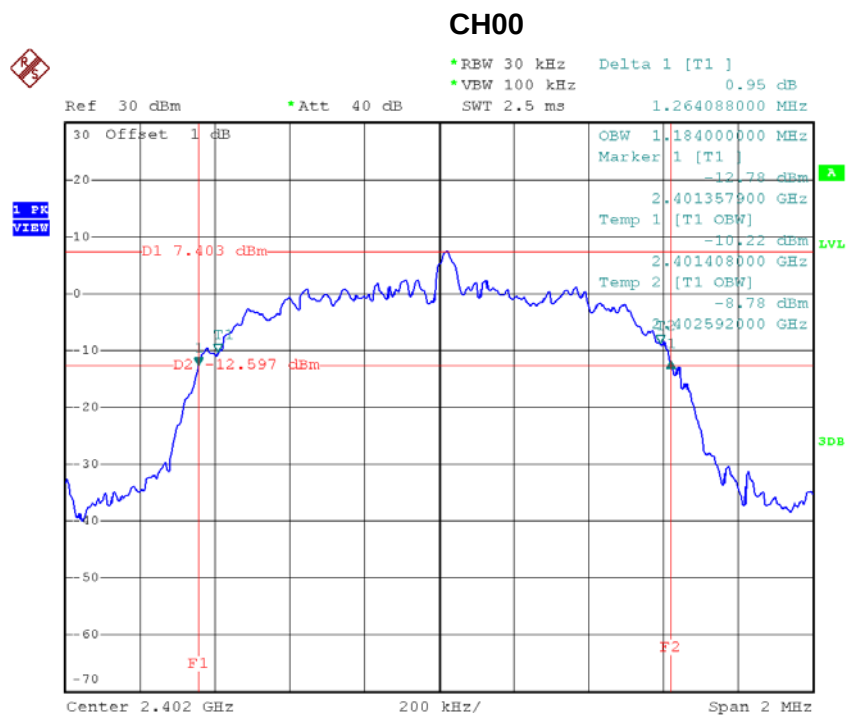
CH78



Date: 22.DEC.2016 19:37:28

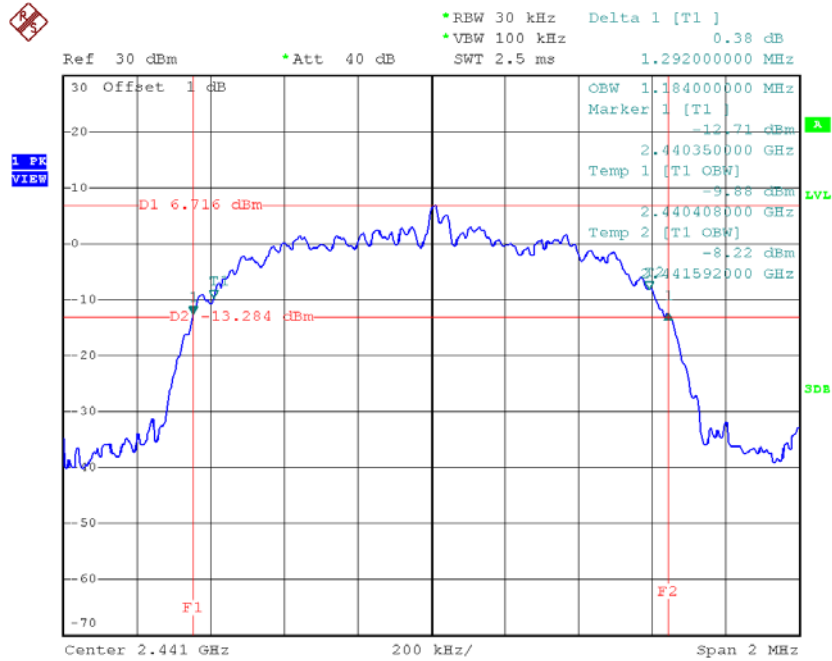
Test Mode :	TX Mode _3Mbps
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Frequency (MHz)	20dB Bandwidth (MHz)	99% Occupied BW (MHz)	Test Result
2402	1.264	1.184	Pass
2441	1.292	1.184	Pass
2480	1.312	1.196	Pass



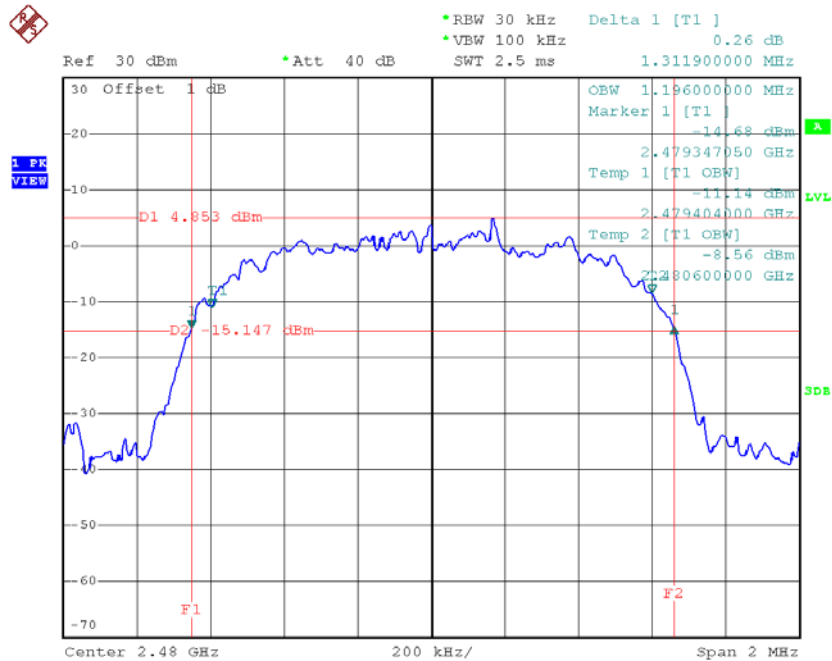
Date: 22.DEC.2016 19:59:40

CH39



Date: 22.DEC.2016 20:01:37

CH78

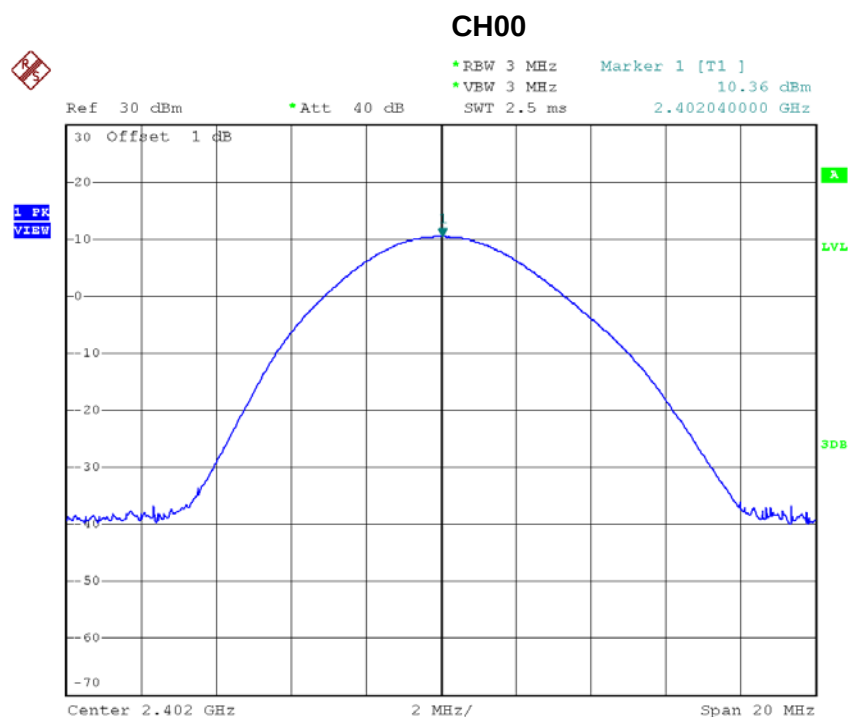


Date: 22.DEC.2016 20:02:26

ATTACHMENT I - PEAK OUTPUT POWER

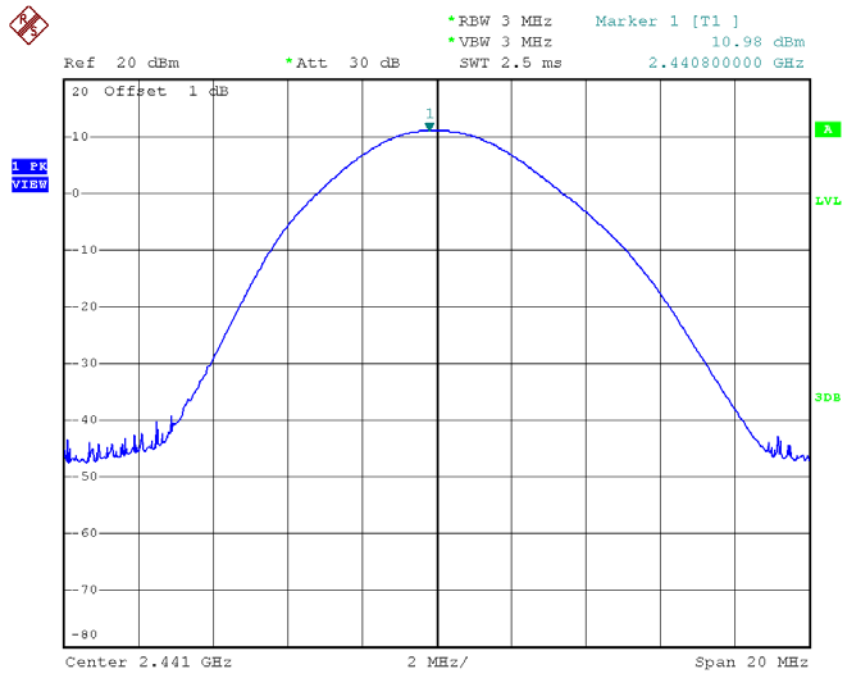
Test Mode :	TX Mode _1Mbps
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	10.36	0.0109	30.00	1.00	Pass
2441	10.98	0.0125	30.00	1.00	Pass
2480	10.59	0.0115	30.00	1.00	Pass



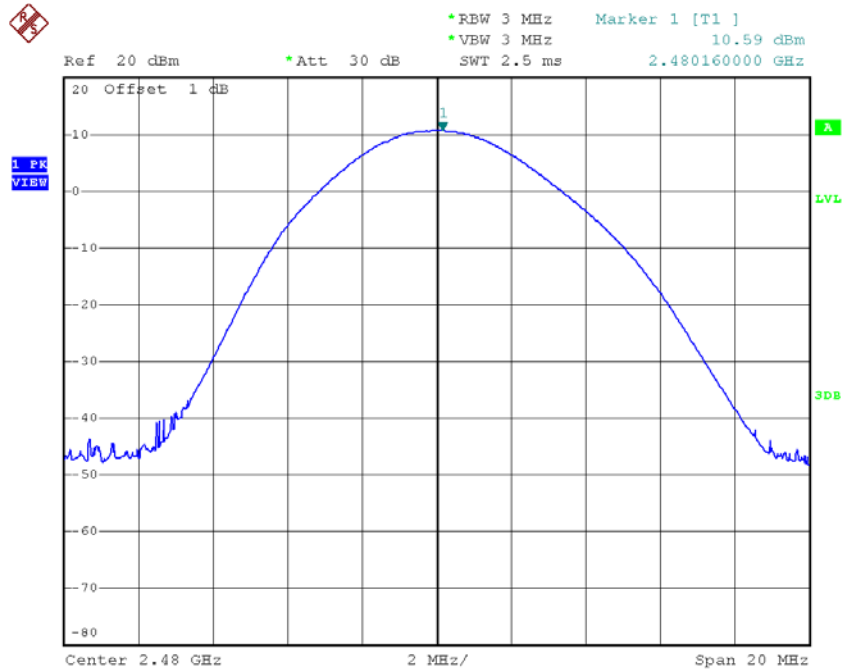
Date: 22.DEC.2016 19:58:17

CH39



Date: 22.DEC.2016 19:36:21

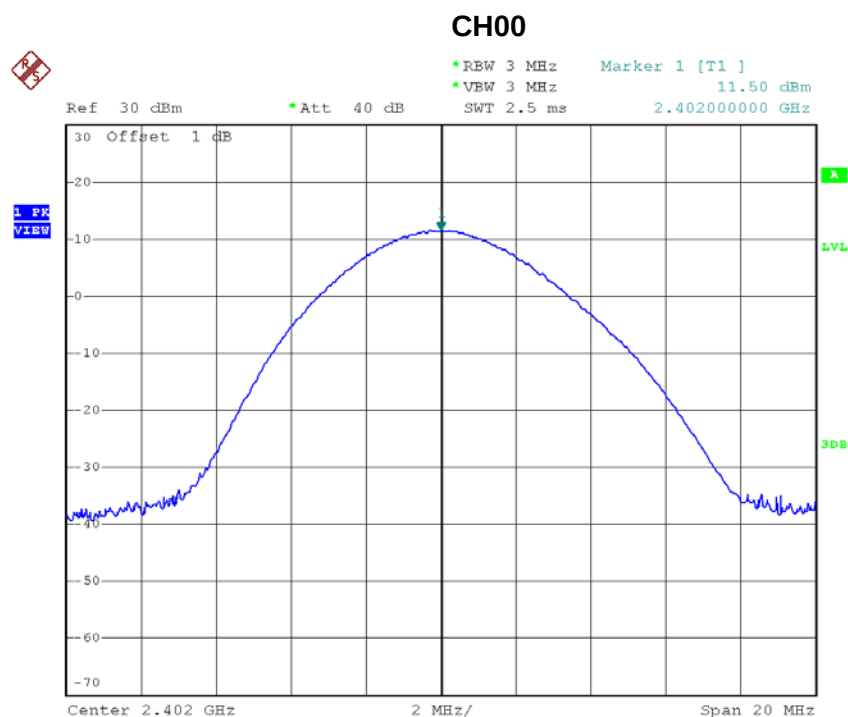
CH78



Date: 22.DEC.2016 19:38:04

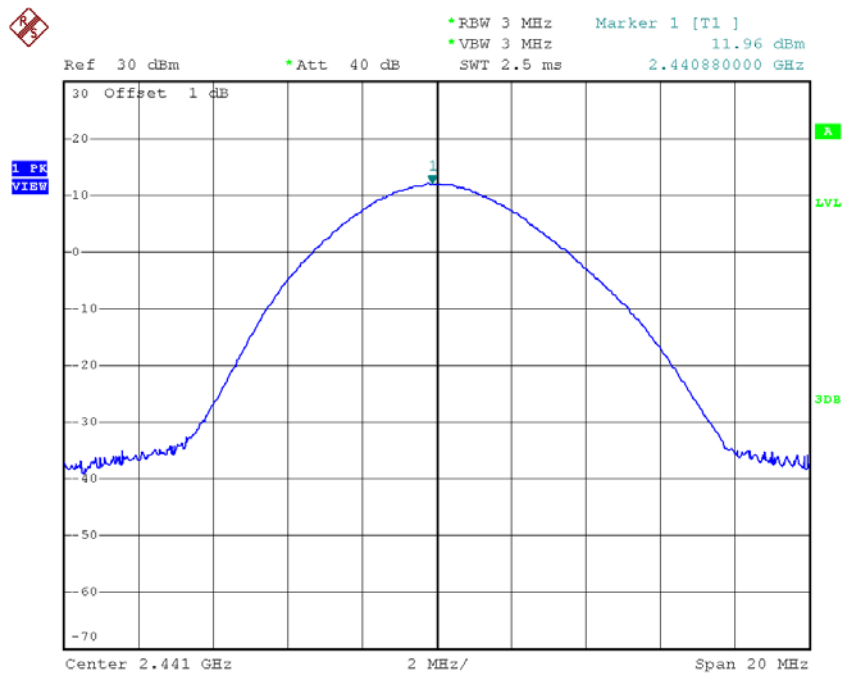
Test Mode :	TX Mode _3Mbps
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Frequency (MHz)	Conducted Power (dBm)	Conducted Power (W)	Max. Limit (dBm)	Max. Limit (W)	Test Result
2402	11.50	0.0141	30.00	1.00	Pass
2441	11.96	0.0157	30.00	1.00	Pass
2480	11.62	0.0145	30.00	1.00	Pass



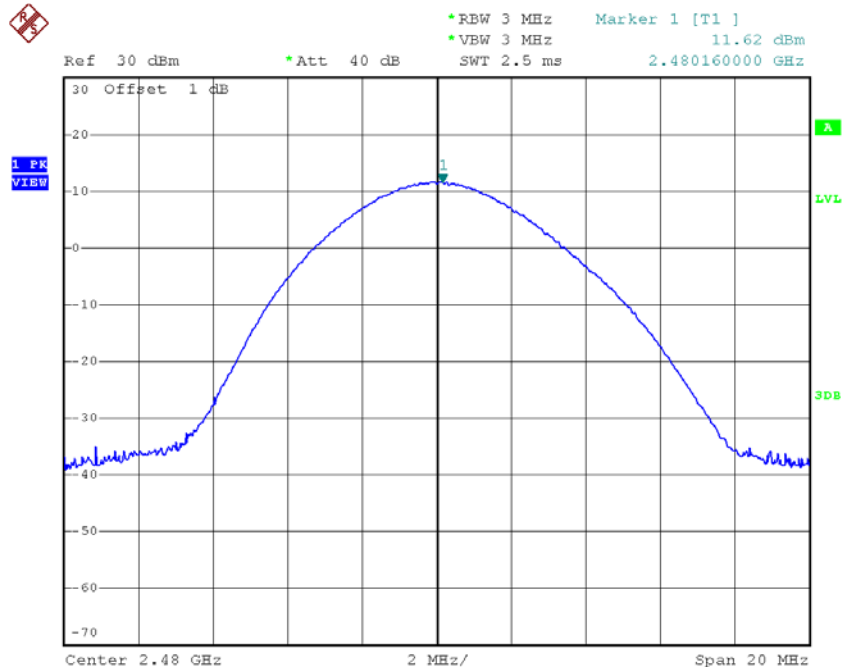
Date: 22.DEC.2016 20:00:17

CH39



Date: 22.DEC.2016 20:01:44

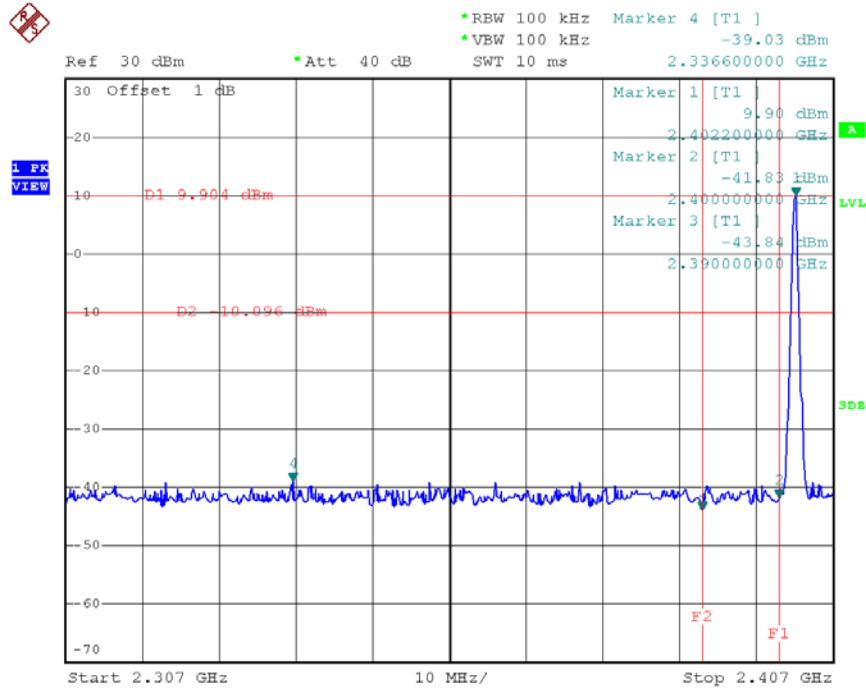
CH78



Date: 22.DEC.2016 20:03:03

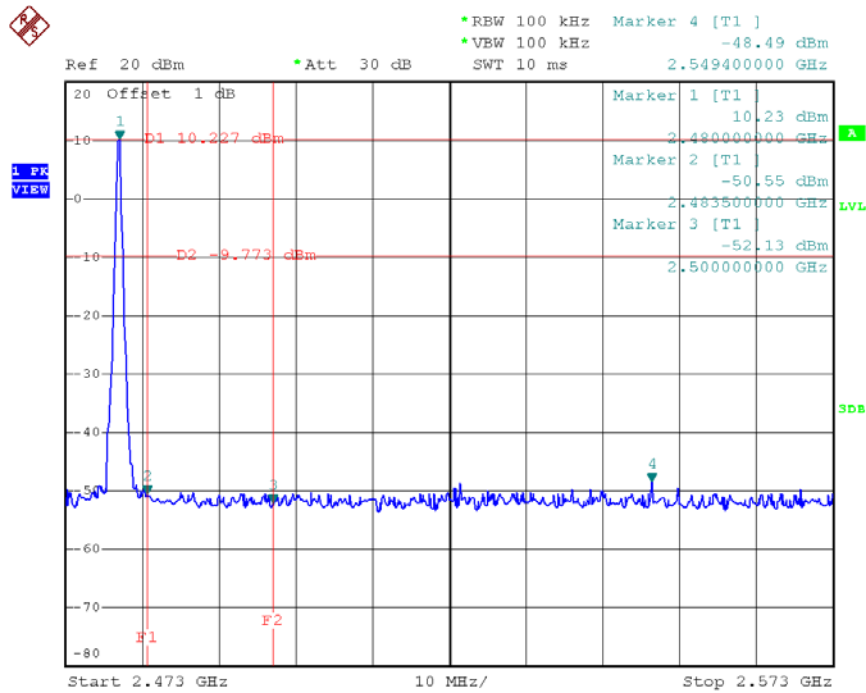
ATTACHMENT J - ANTENNA CONDUCTED SPURIOUS EMISSION

CH00 (Lower)_1Mbps



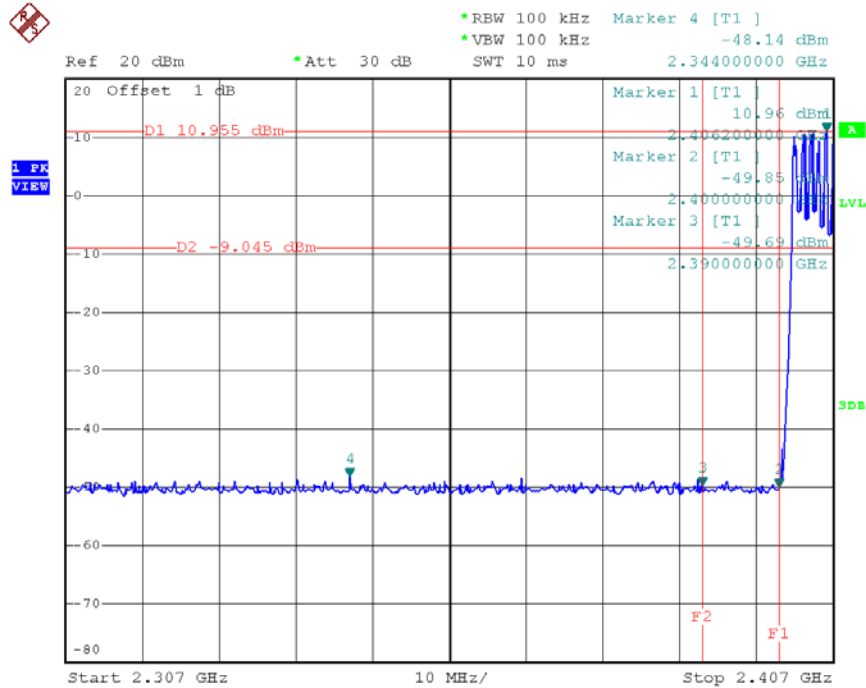
Date: 22.DEC.2016 19:57:14

CH78 (Upper)_1Mbps



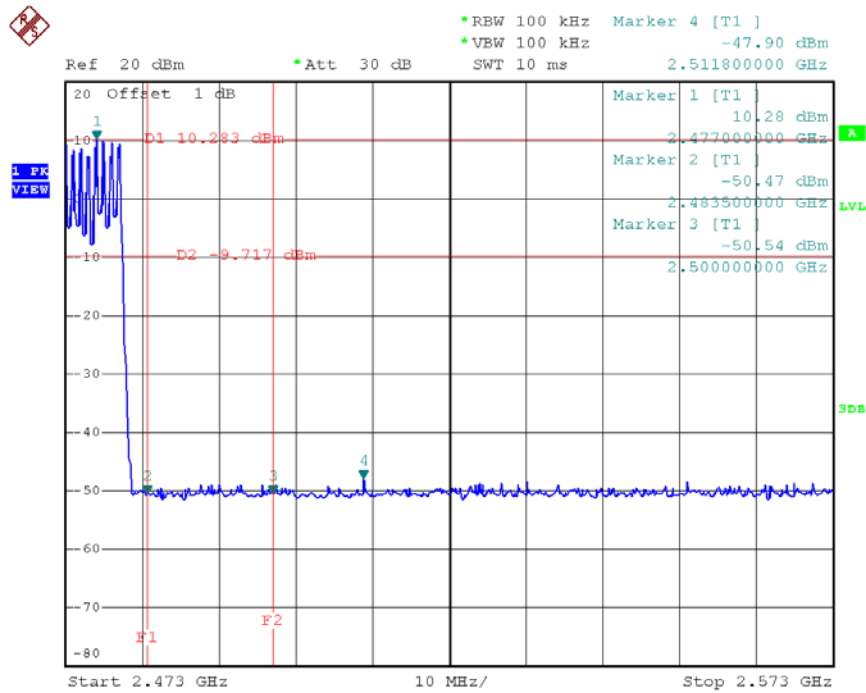
Date: 22.DEC.2016 19:37:02

CH00 Hopping on mode (Lower) _1Mbps



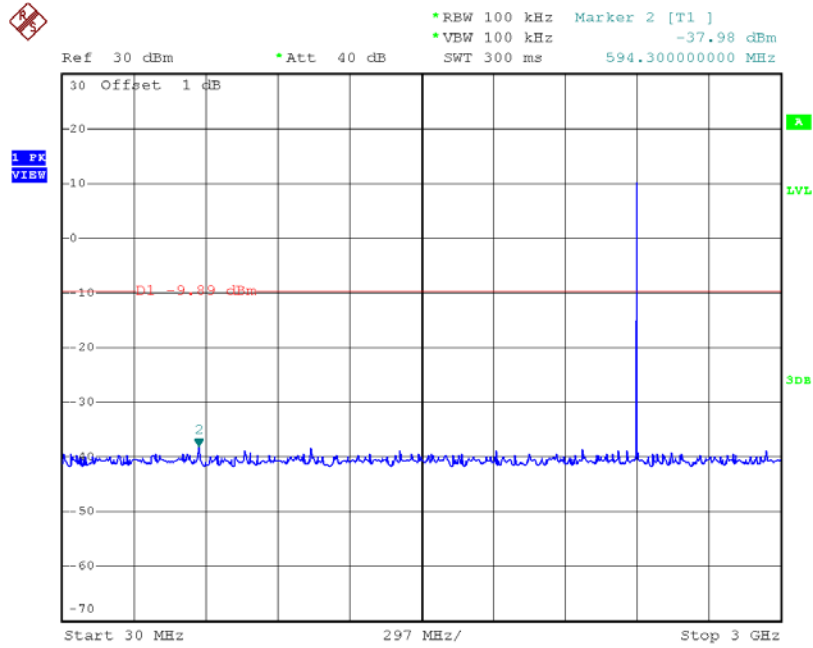
Date: 22.DEC.2016 19:45:15

CH78 Hopping on mode (Upper) _1Mbps

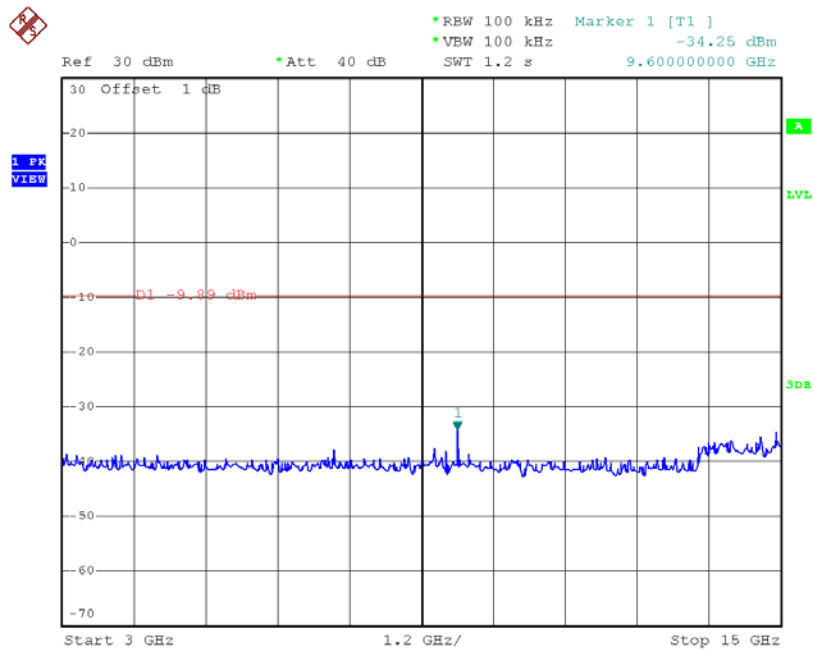


Date: 22.DEC.2016 19:45:50

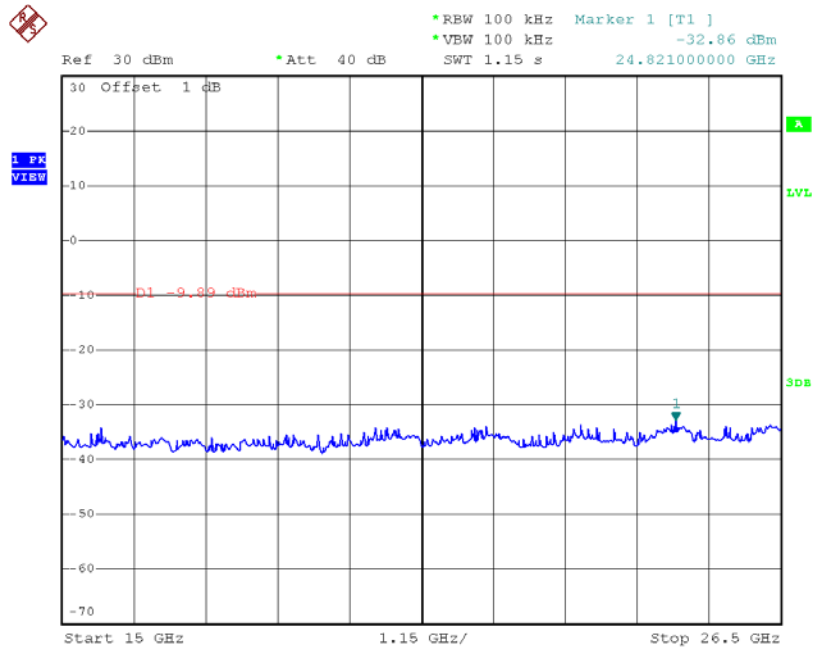
CH00 (10 Harmonic of the frequency) _1Mbps



Date: 22.DEC.2016 19:57:53

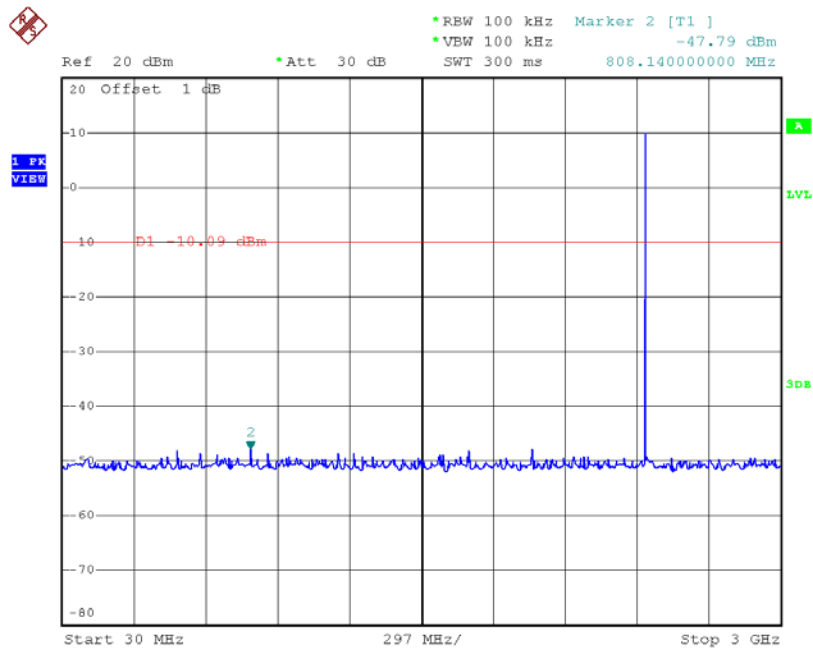


Date: 22.DEC.2016 19:58:02

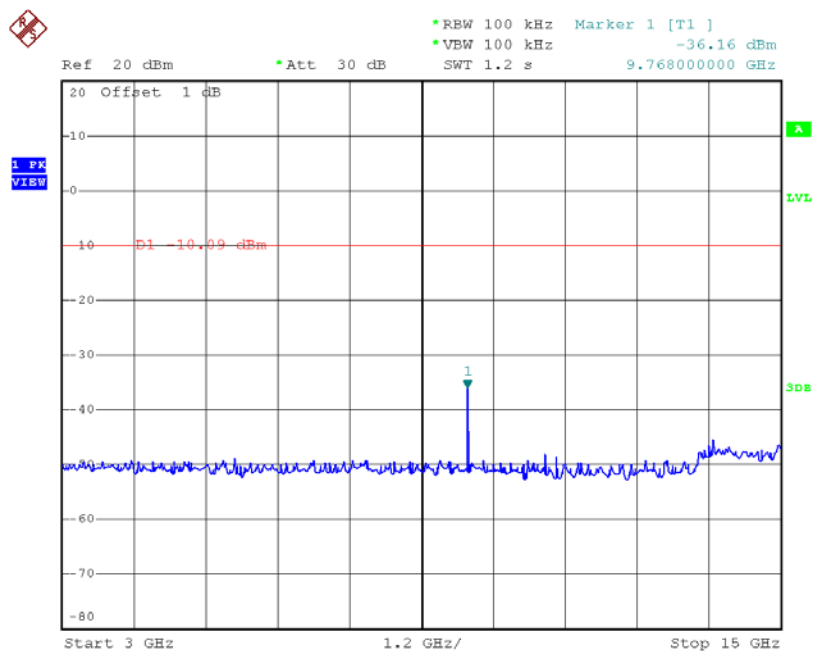


Date: 22.DEC.2016 19:58:10

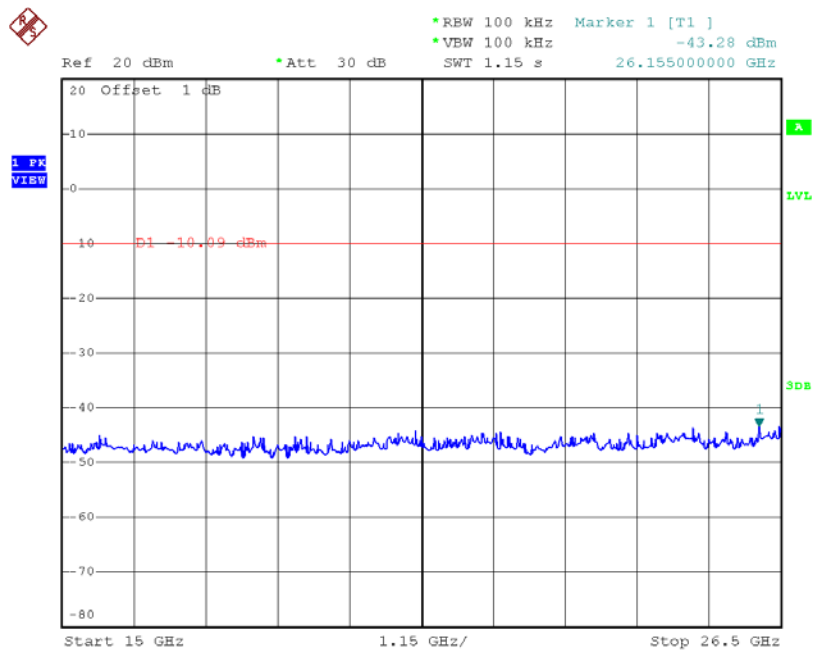
CH39 (10 Harmonic of the frequency) _1Mbps



Date: 22.DEC.2016 19:35:32

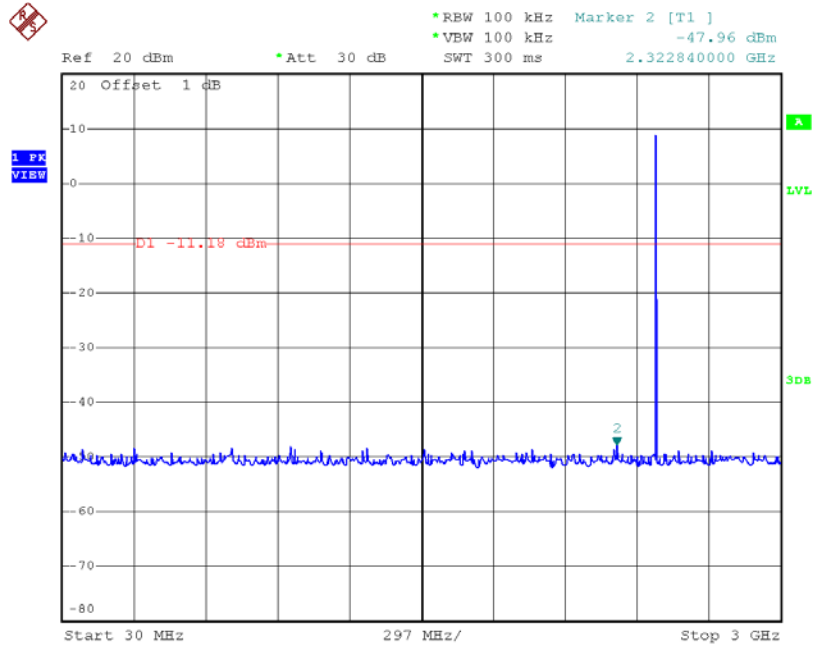


Date: 22.DEC.2016 19:35:41

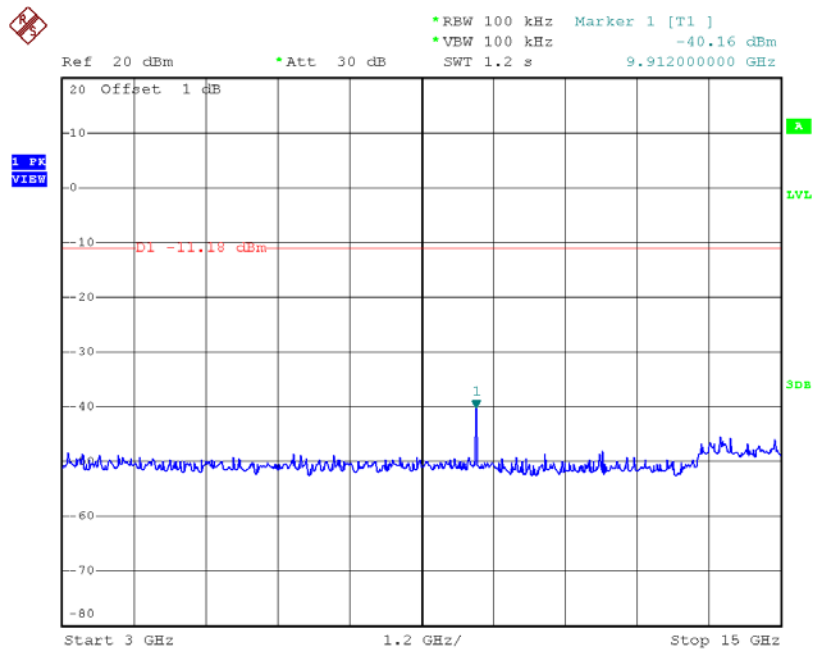


Date: 22.DEC.2016 19:35:49

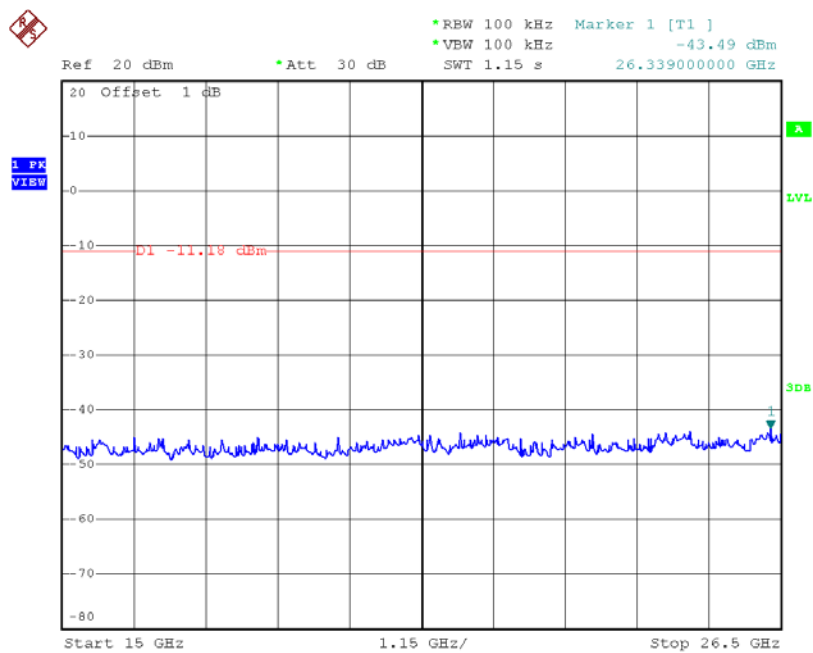
CH78 (10 Harmonic of the frequency) _1Mbps



Date: 22.DEC.2016 19:37:42

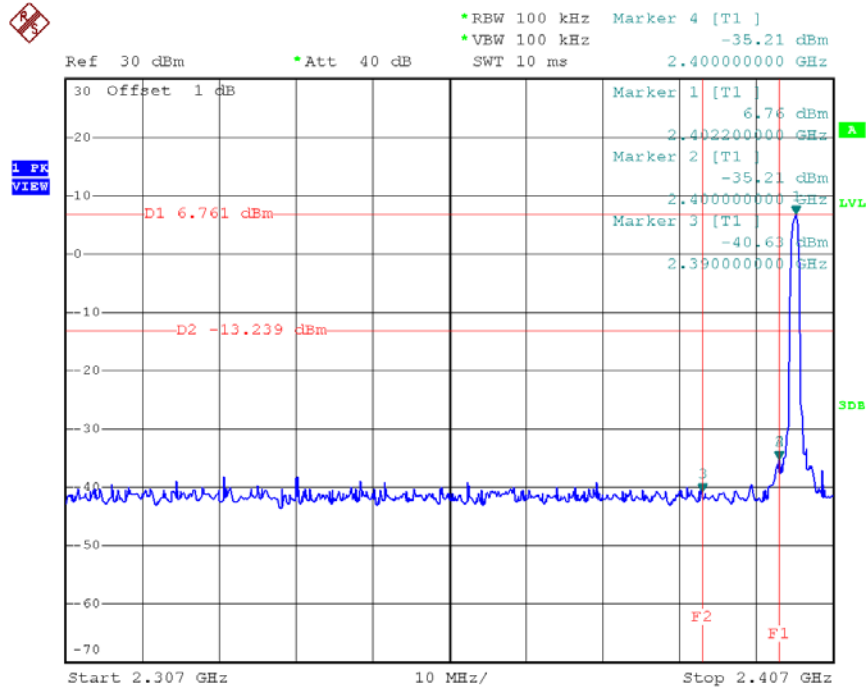


Date: 22.DEC.2016 19:37:50



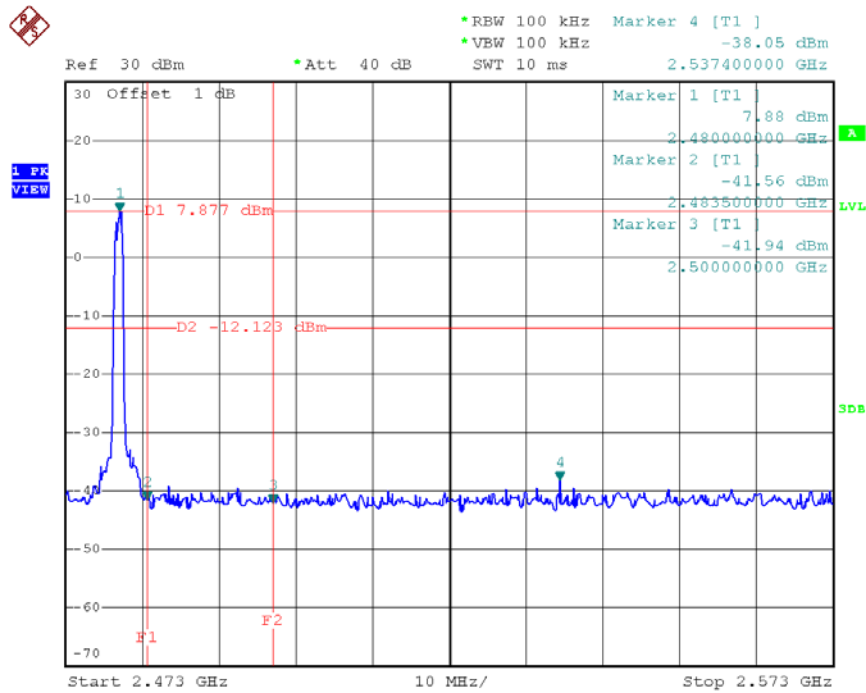
Date: 22.DEC.2016 19:37:58

CH00 (Lower) _3Mbps



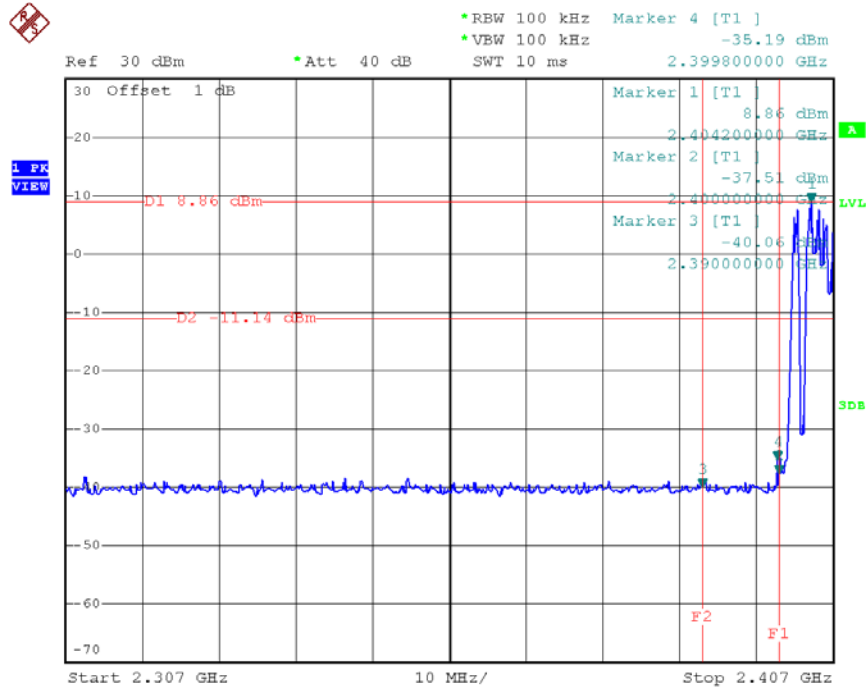
Date: 22.DEC.2016 19:59:19

CH78 (Upper) _3Mbps



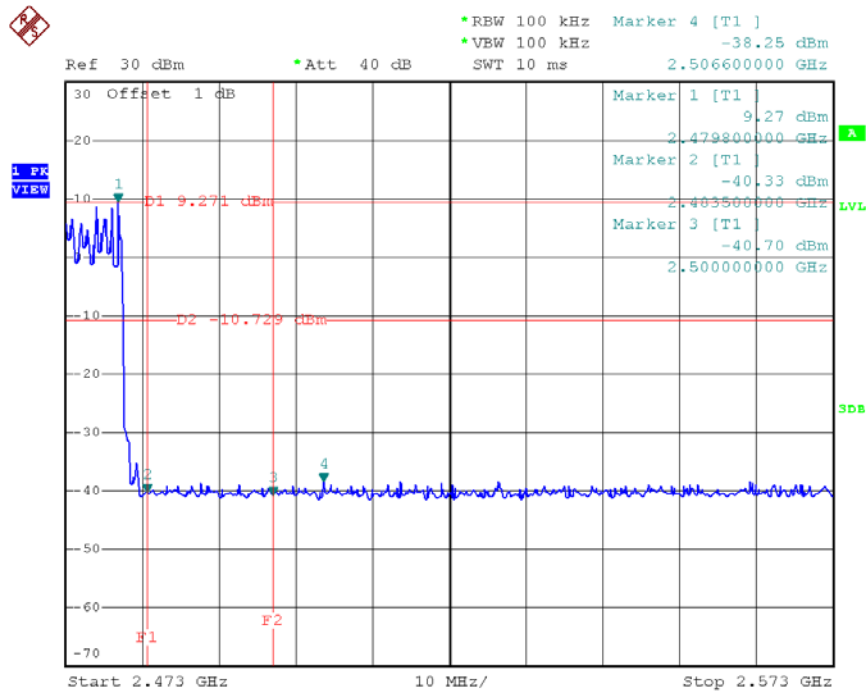
Date: 22.DEC.2016 20:02:07

CH00 Hopping on mode (Lower) _3Mbps



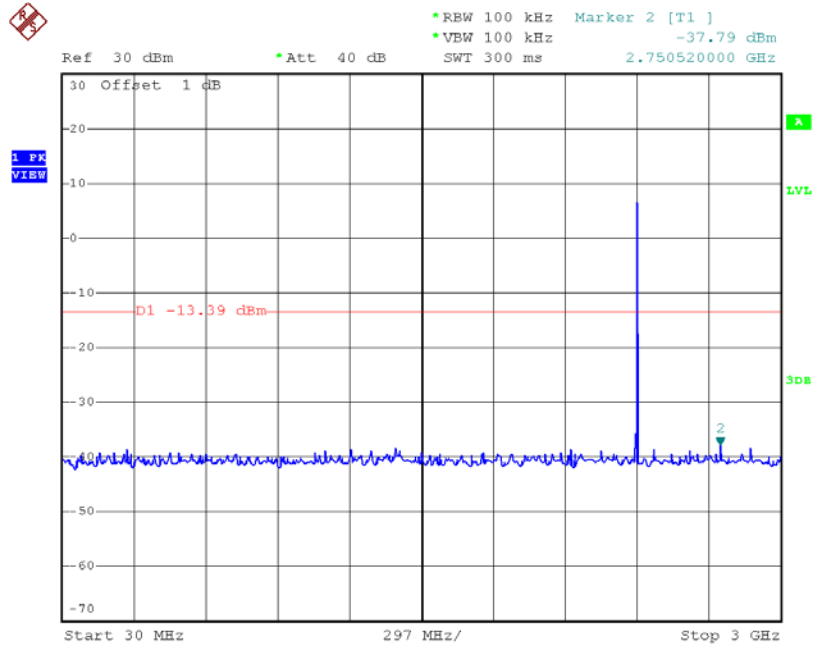
Date: 22.DEC.2016 20:09:46

CH78 Hopping on mode (Upper) _3Mbps

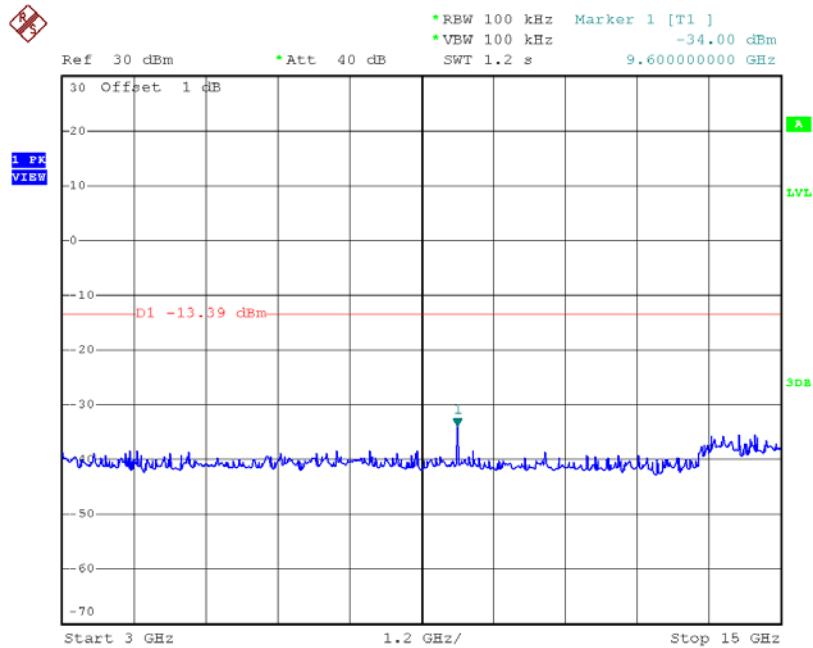


Date: 22.DEC.2016 20:10:20

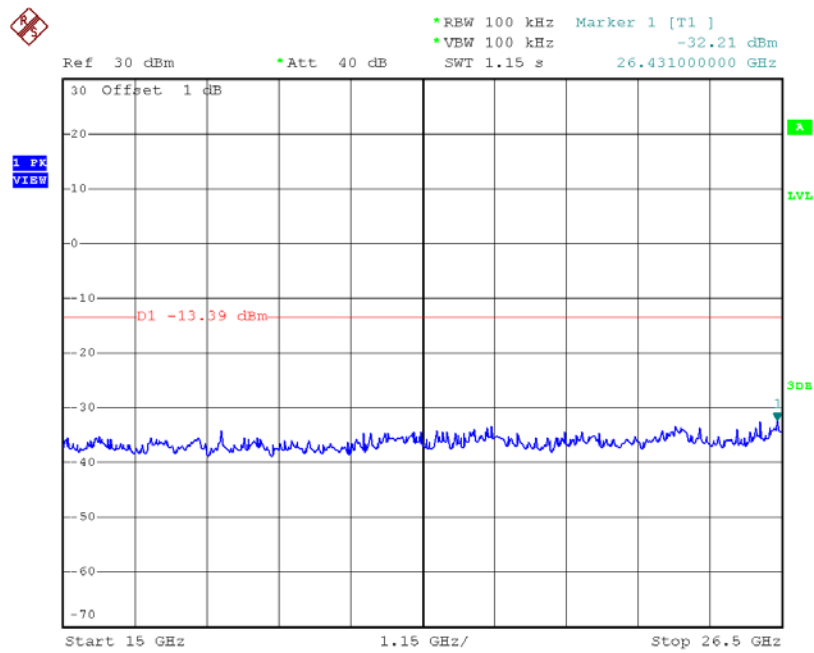
CH00 (10 Harmonic of the frequency) _3Mbps



Date: 22.DEC.2016 19:59:54

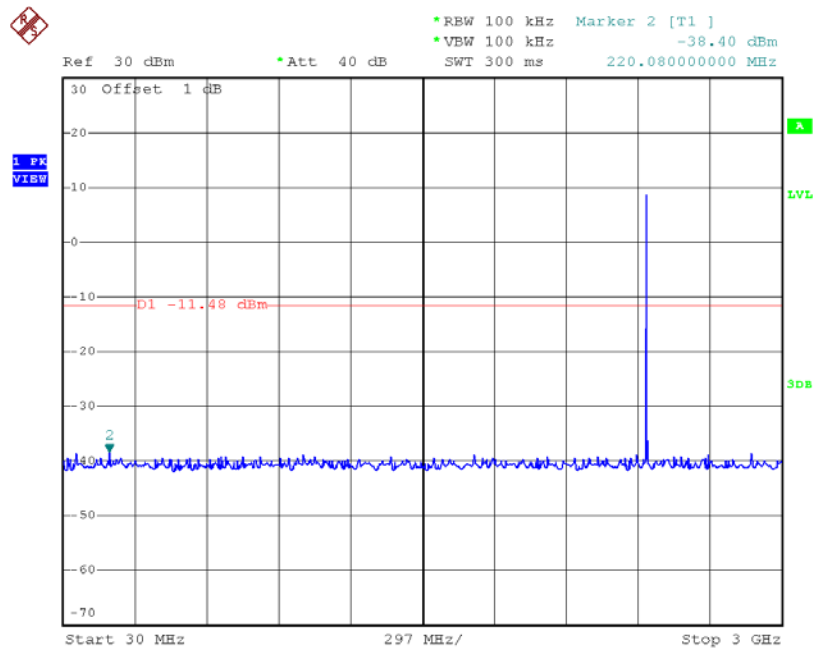


Date: 22.DEC.2016 20:00:02

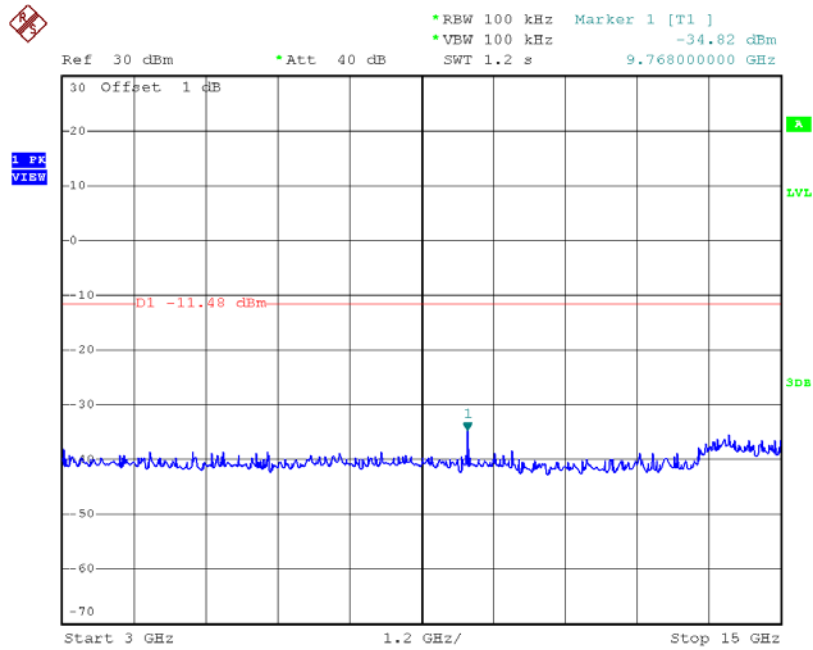


Date: 22.DEC.2016 20:00:11

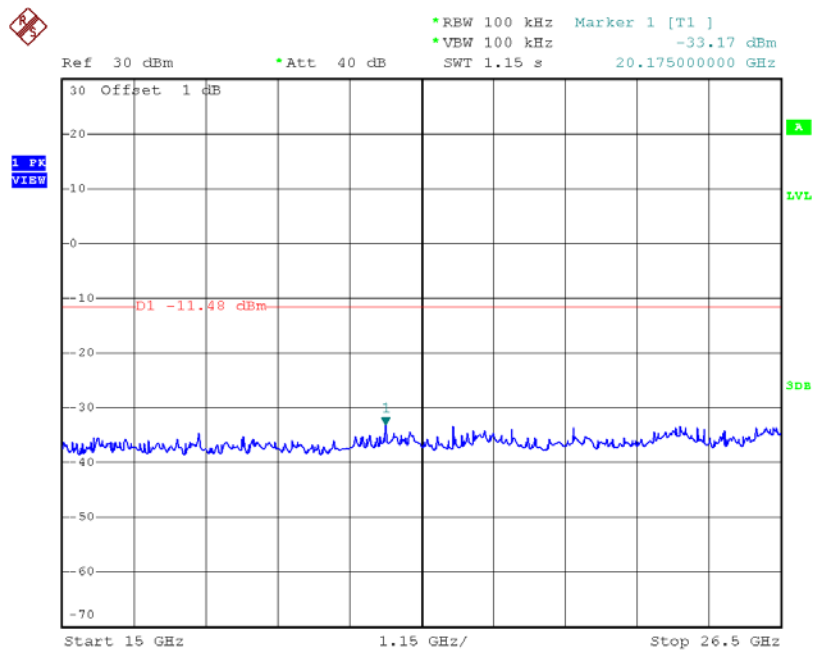
CH39 (10 Harmonic of the frequency) _3Mbps



Date: 22.DEC.2016 20:01:00

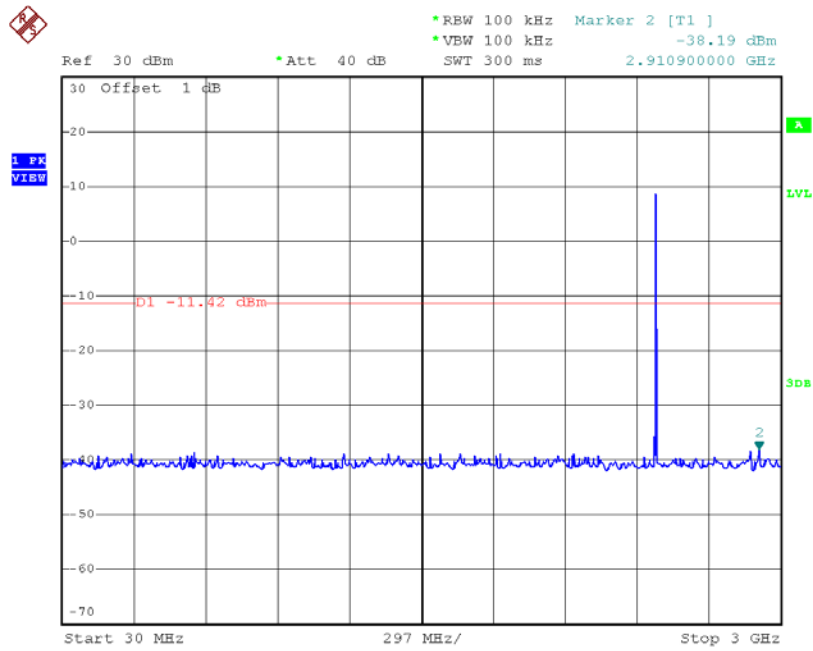


Date: 22.DEC.2016 20:01:09

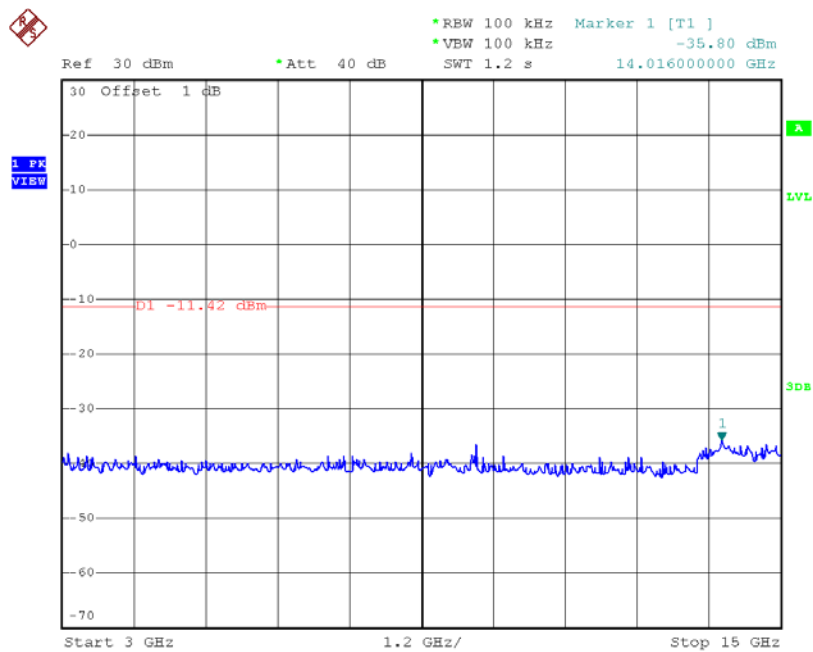


Date: 22.DEC.2016 20:01:17

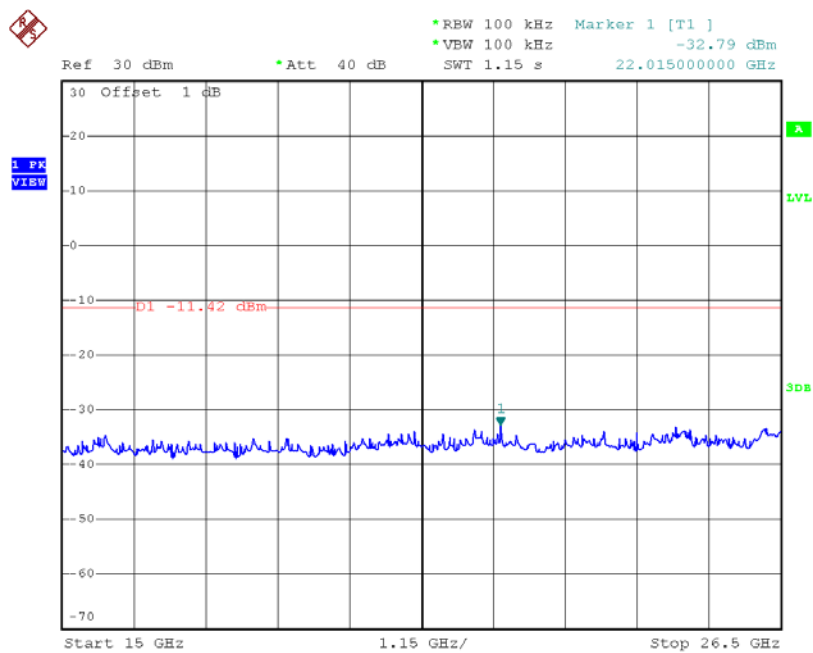
CH78 (10 Harmonic of the frequency) _3Mbps



Date: 22.DEC.2016 20:02:40



Date: 22.DEC.2016 20:02:49



Date: 22.DEC.2016 20:02:57