

## 4.8 MAXIMUM PEAK OUTPUT POWER

### 4.8.1 LIMITS

Regulation 15.247 (b)(1) For frequency hopping systems operating in the 2400-2483.5 MHz band employing at least 75 non-overlapping hopping channels, and all frequency hopping systems in the 5725-5850 MHz band: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band: 0.125 watts. Refer to the result "Hopping channel number" of this document. The 1 watt (30.0dBm) limit applies.

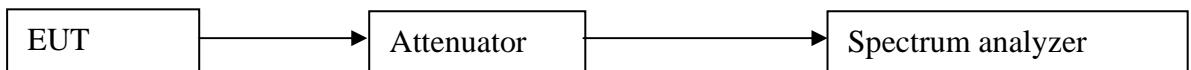
### 4.8.2 TEST PROCEDURES

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.
2. Set the spectrum analyzer: RBW = 3 MHz. VBW = 3 MHz. Sweep = auto; Detector Function = Peak.
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.

**Remark:**

1. Pre-test the 3 modulation to find GFSK and 8DPSK is worse case, so only record GFSK and 8DPSK test data.
2. Cable loss = 1dB, the receiver offset loss 1dB

### 4.8.3 TEST SETUP



### 4.8.4 TEST RESULTS

For GFSK:

Test Channel	Fundamental Frequency (GHz)	Max Output Power(dBm)	Limit (dBm)	Pass/Fail
Lowest	2.402	0.93	30.0	Pass
Middle	2.441	0.20	30.0	Pass
Highest	2.480	-0.14	30.0	Pass

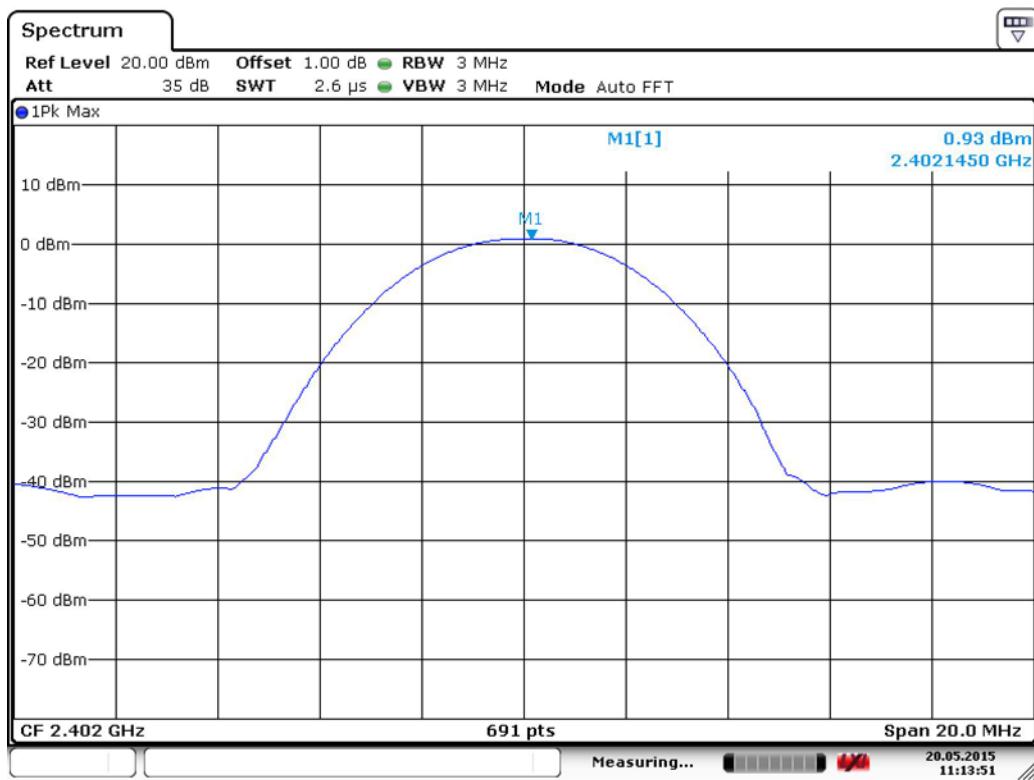
For 8DPSK:

Test Channel	Fundamental Frequency (GHz)	Max Output Power(dBm)	Limit (dBm)	Pass/Fail
Lowest	2.402	-1.04	30.0	Pass
Middle	2.441	-0.89	30.0	Pass
Highest	2.480	-0.71	30.0	Pass

Test result: The unit does meet the FCC requirements.

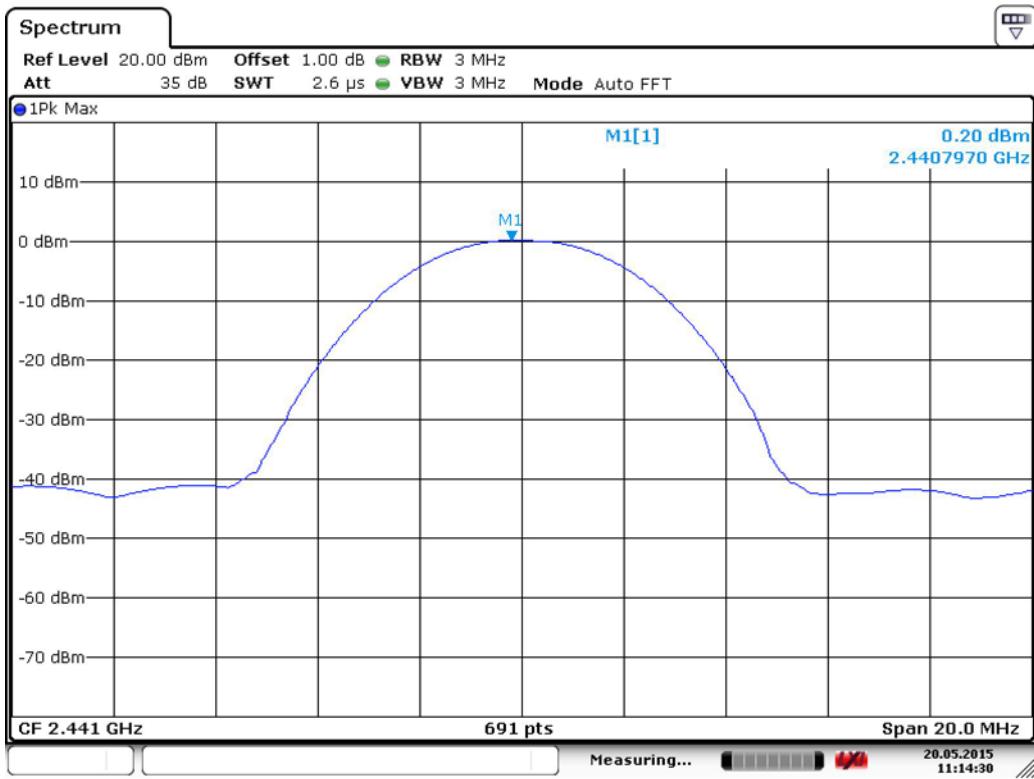
Test result plot as follows:

## GFSK Lowest Channel:



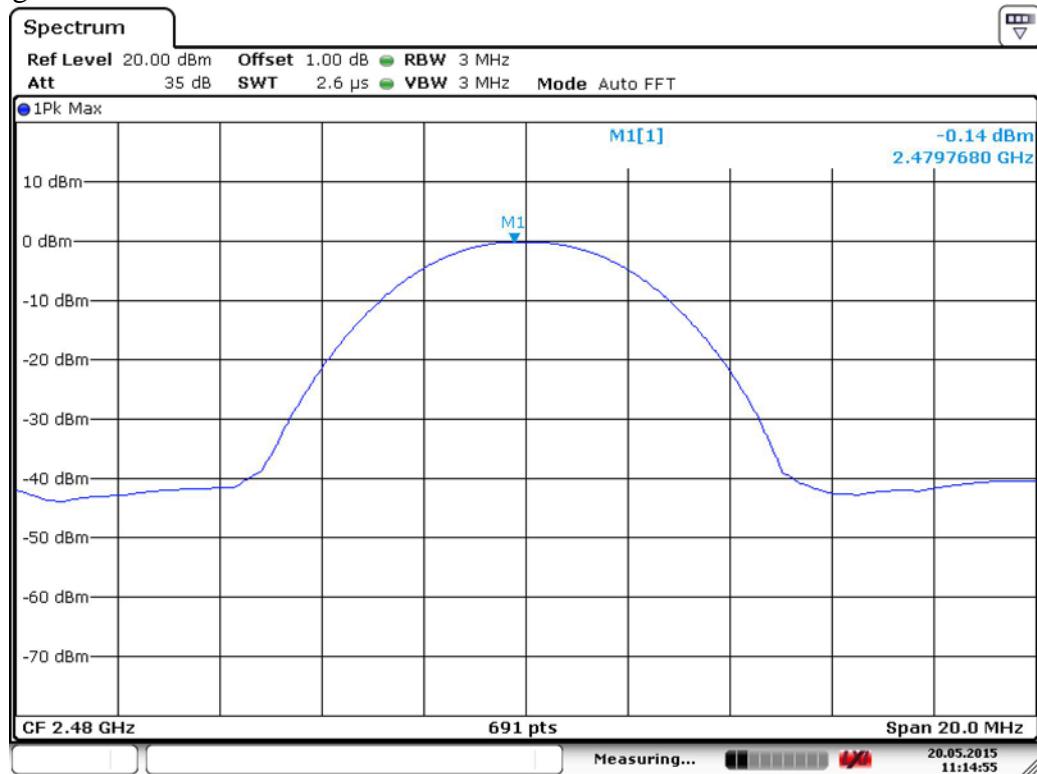
Date: 20.MAY.2015 11:13:51

## GFSK Middle Channel:



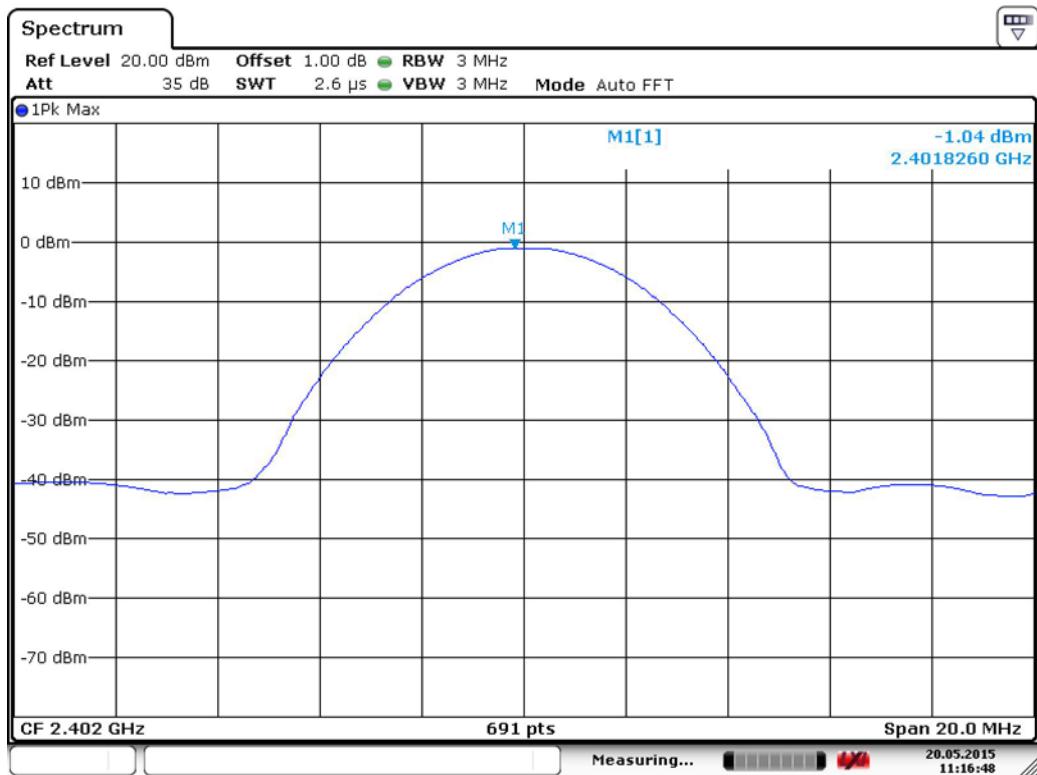
Date: 20.MAY.2015 11:14:30

## GFSK Highest Channel:



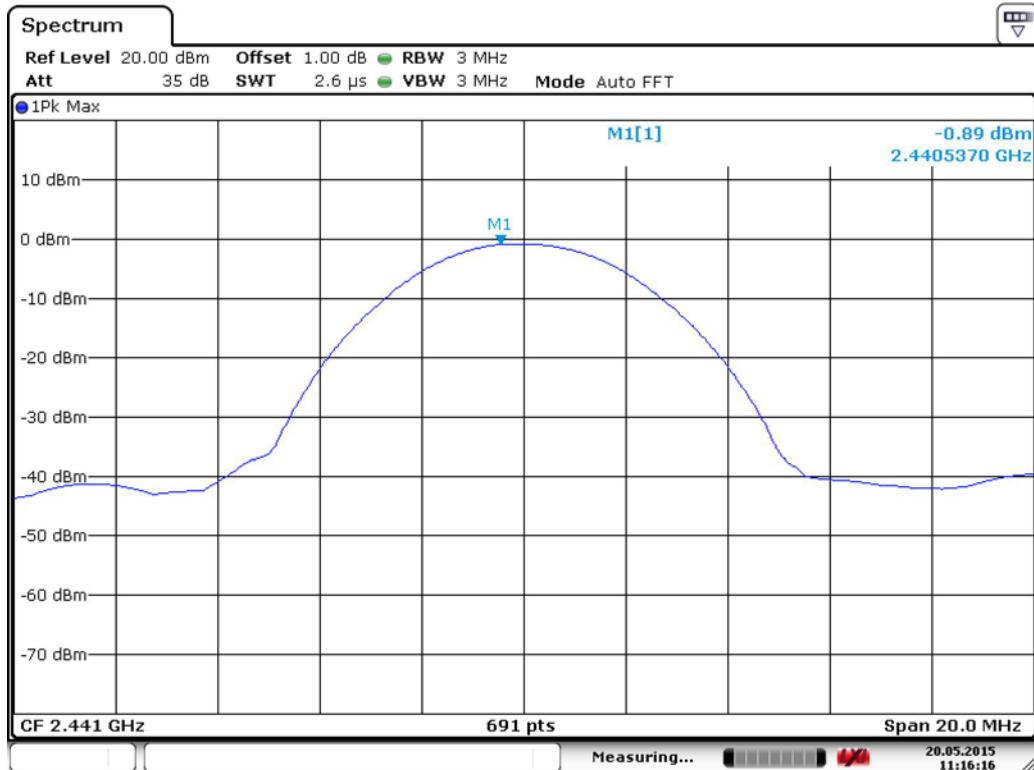
Date: 20.MAY.2015 11:14:56

## 8DPSK Lowest Channel:



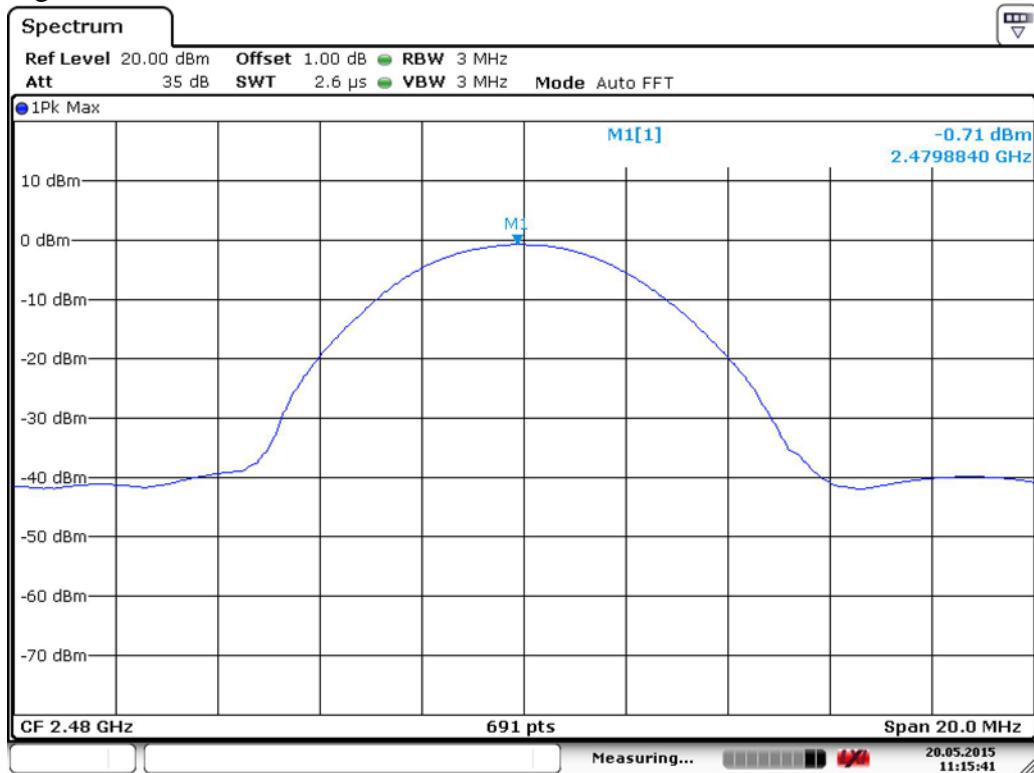
Date: 20.MAY.2015 11:16:48

## 8DPSK Middle Channel:



Date: 20.MAY.2015 11:16:16

## 8DPSK Highest Channel:



Date: 20.MAY.2015 11:15:41

## 4.9 CONDUCTED SPURIOUS EMISSIONS

### 4.9.1 LIMITS

(d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating. The radio frequency power that is produced by the intentional radiator 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 the transmitter demonstrates compliance with the peak conducted power limits.

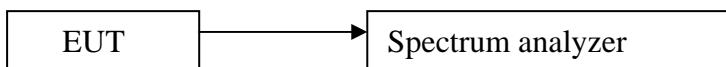
### 4.9.2 TEST PROCEDURES

Remove the antenna from the EUT and then connect a low attenuation cable from the antenna port to the spectrum.

Below 1GHz Set the spectrum analyzer: RBW =100KHz VBW >= RBW, Span = enough to catch the trace. Sweep = auto; Detector Function = Peak. Trace = Max, hold.

Above 1GHz Set the spectrum analyzer: RBW =1MHz VBW >= RBW, Span = enough to catch the trace. Sweep = auto; Detector Function = Peak. Trace = Max, hold.

### 4.9.3 TEST SETUP



### 4.9.4 TEST RESULTS

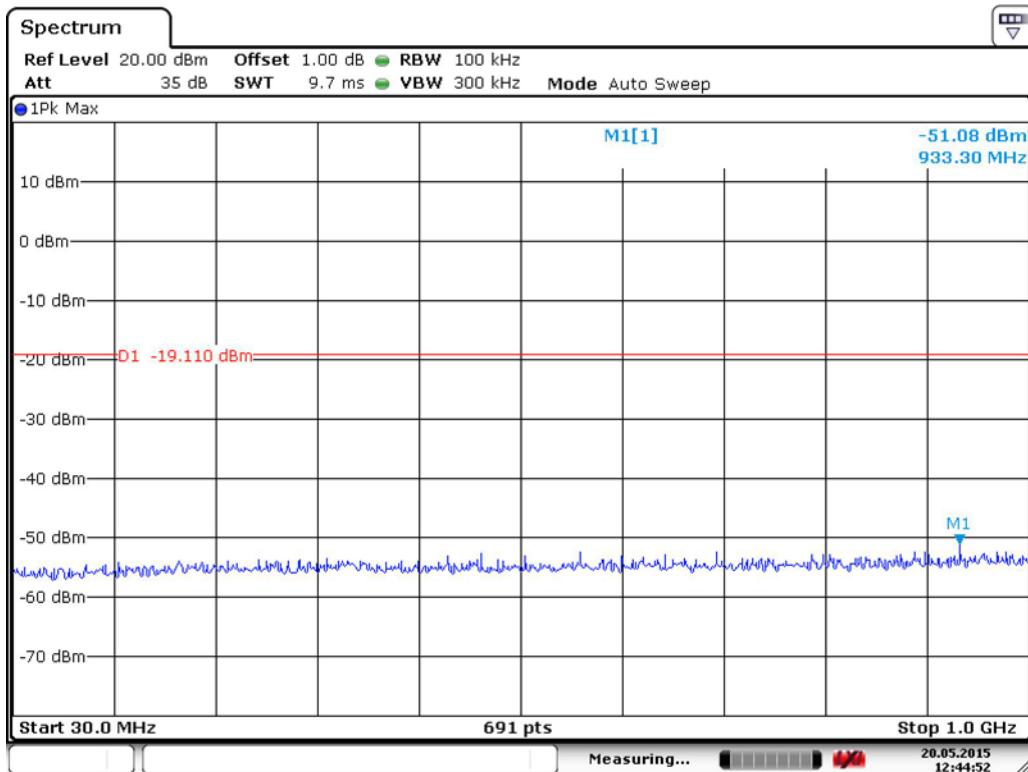
**The unit does meet the FCC requirements.**

Test result plot as follows:

For GFSK

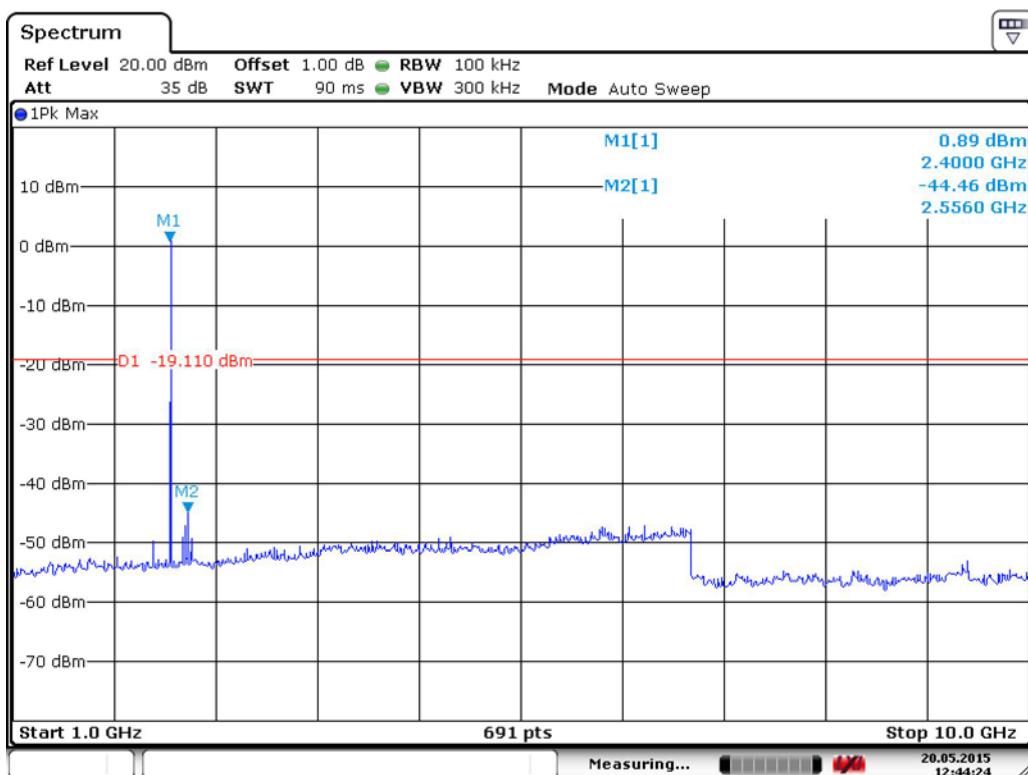
Lowest Channel:

30M to 1GHz



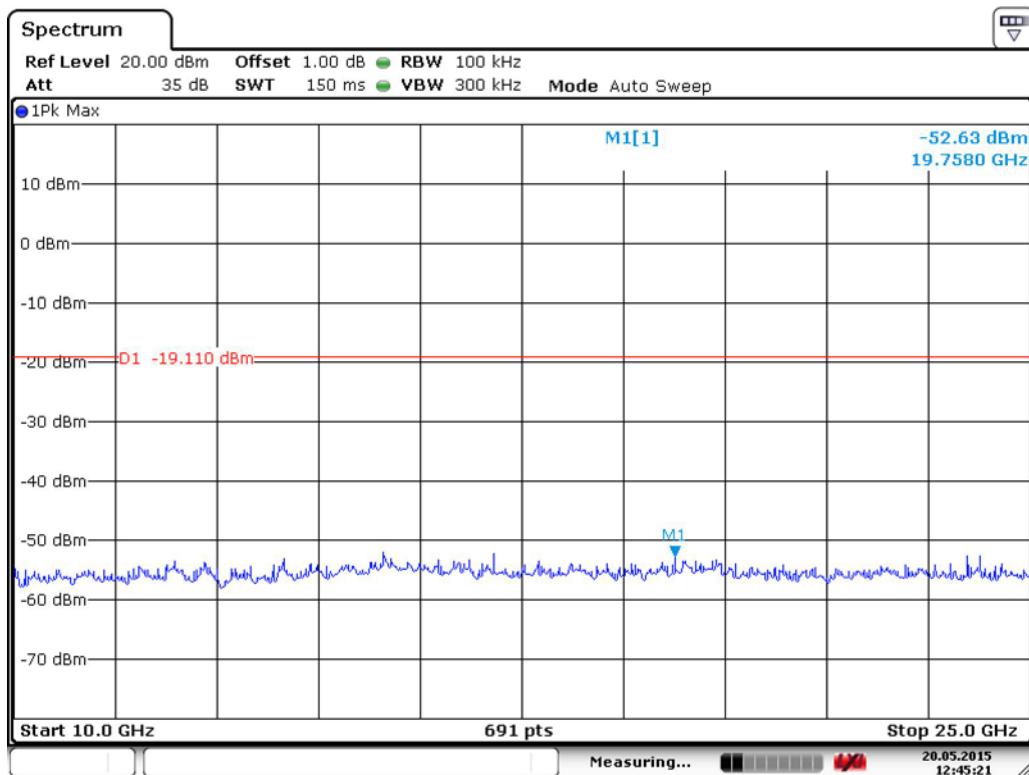
Date: 20.MAY.2015 12:44:52

1G to 10GHz



Date: 20.MAY.2015 12:44:24

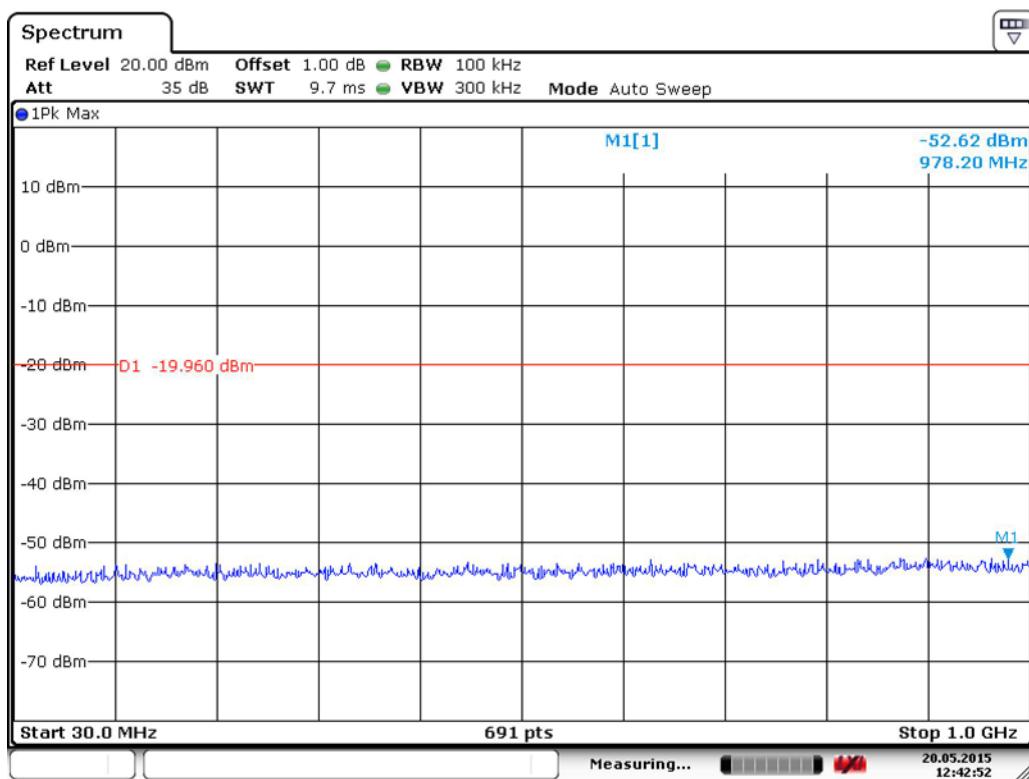
10G to 25GHz



Date: 20.MAY.2015 12:45:21

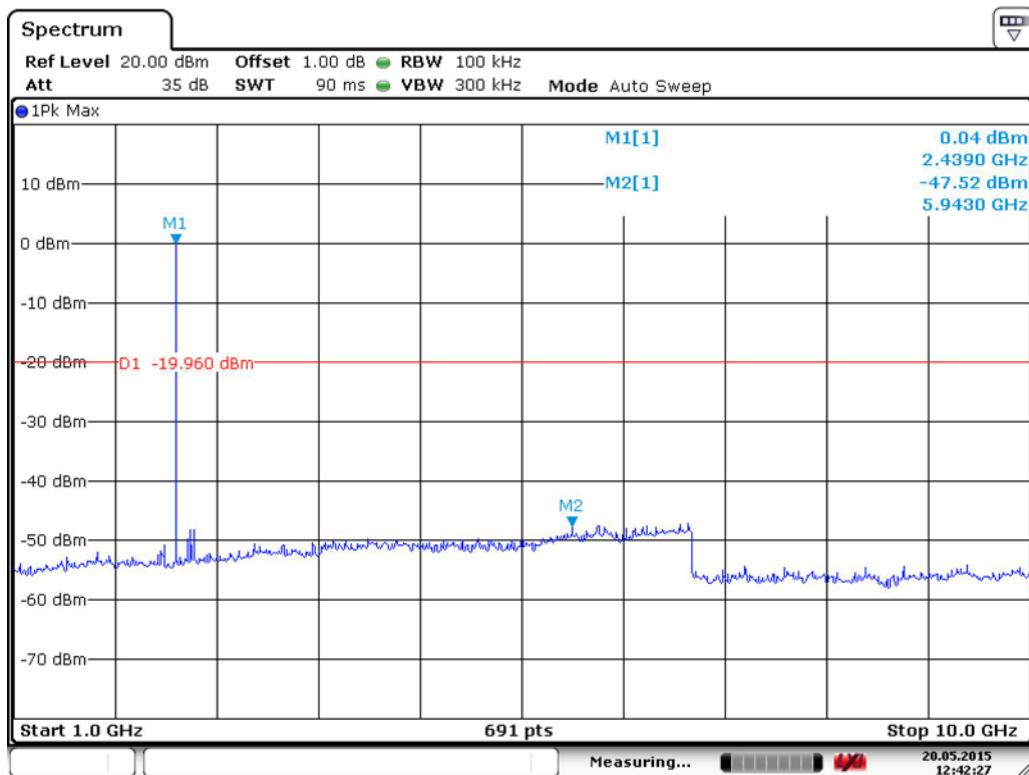
Middle Channel:

30M to 1GHz



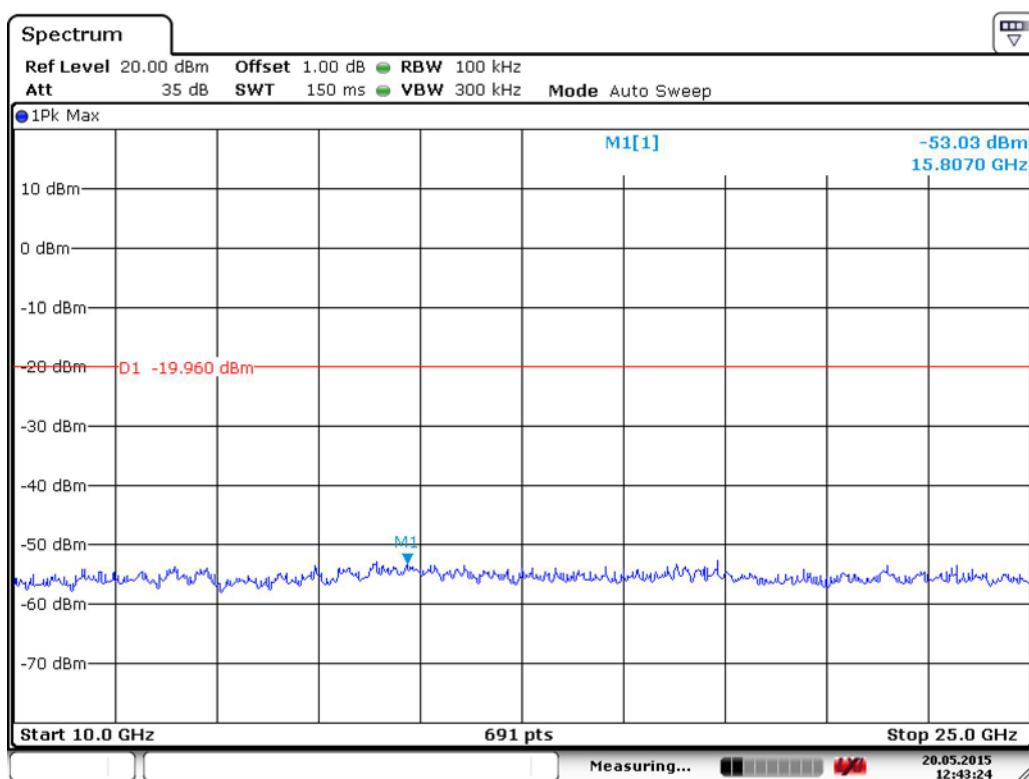
Date: 20.MAY.2015 12:42:53

## 1G to 10GHz



Date: 20.MAY.2015 12:42:27

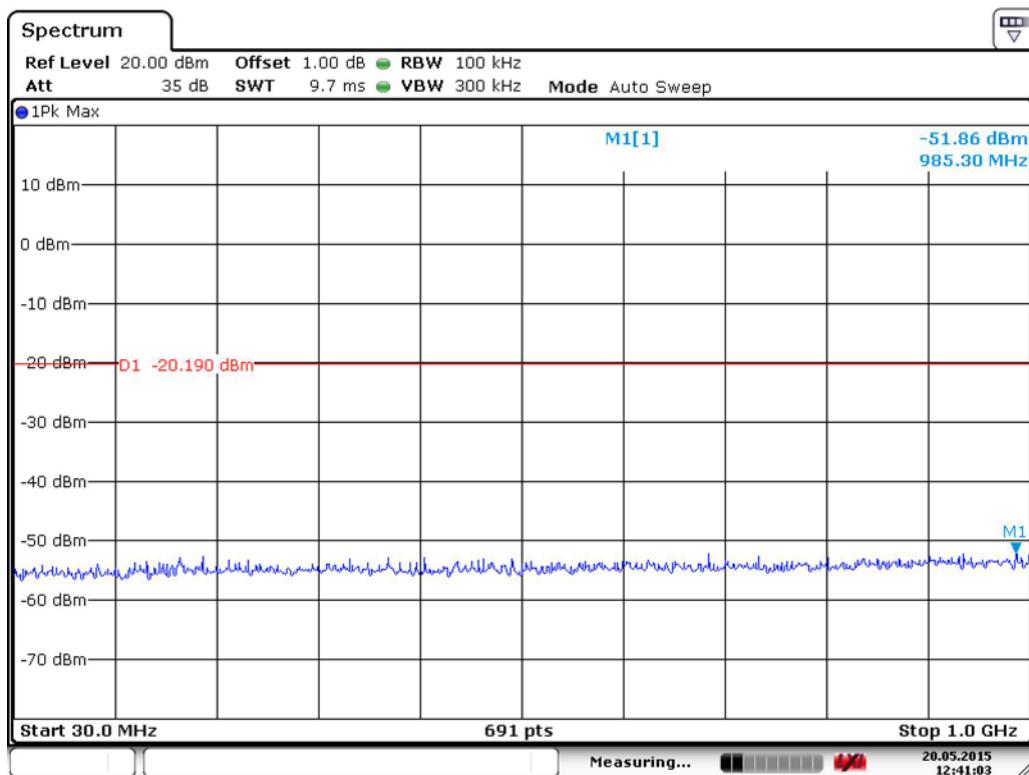
## 10G to 25GHz



Date: 20.MAY.2015 12:43:24

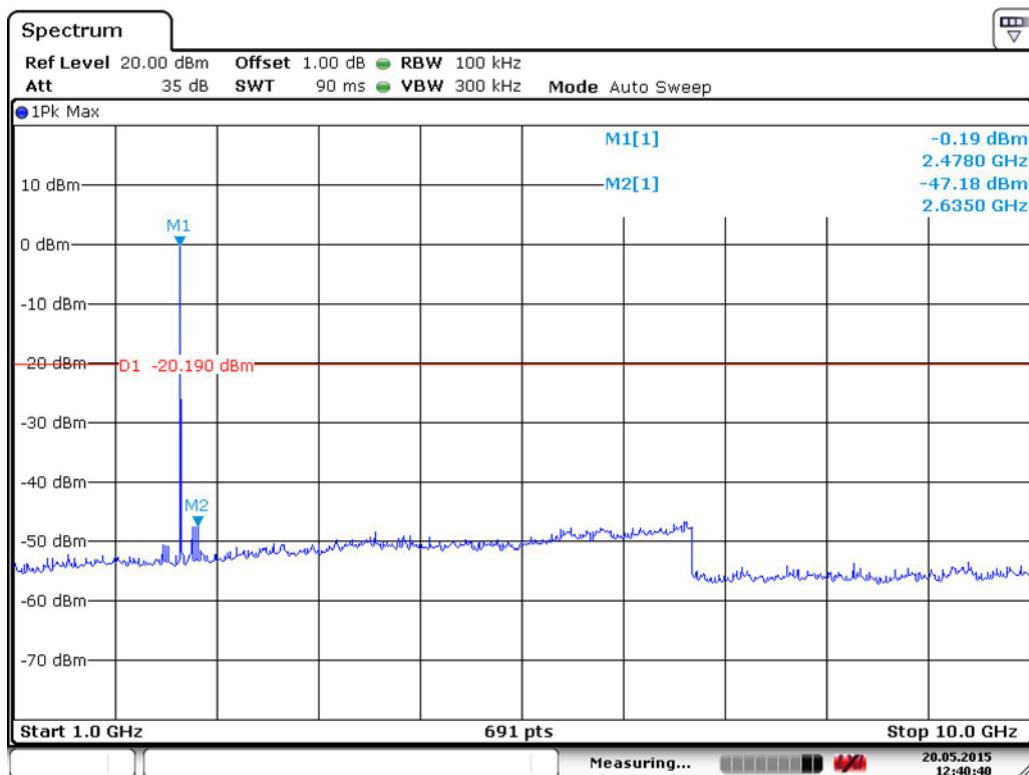
Highest Channel:

30M to 1GHz



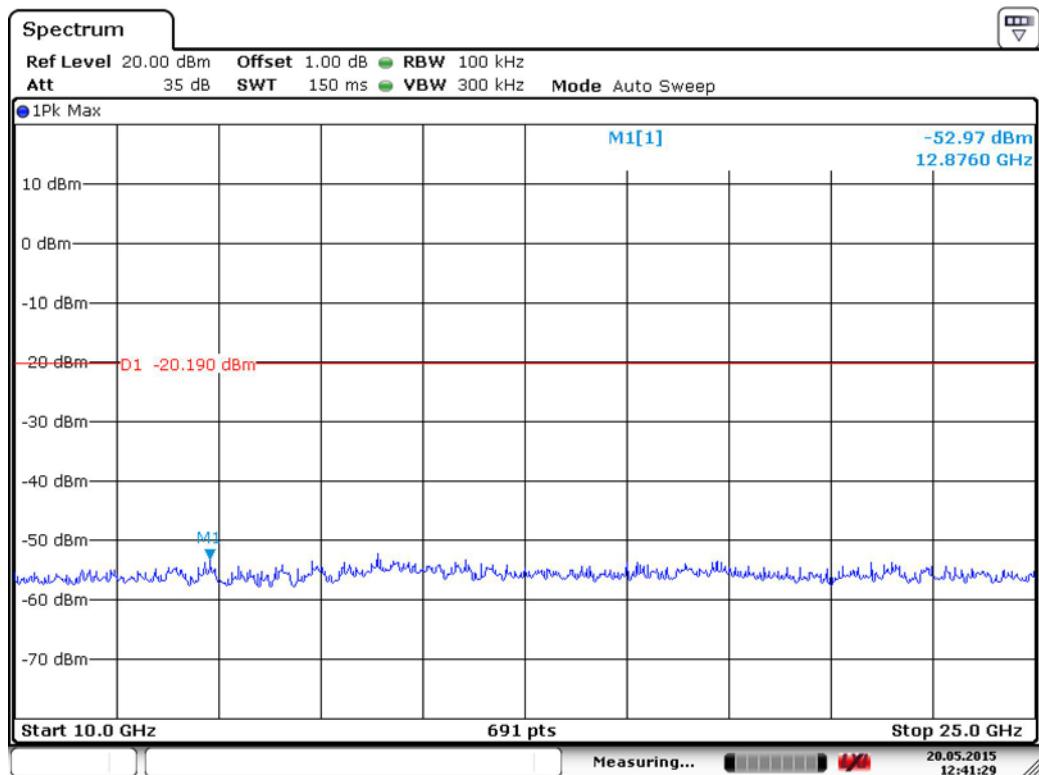
Date: 20.MAY.2015 12:41:03

1G to 10GHz



Date: 20.MAY.2015 12:40:40

10G to 25GHz

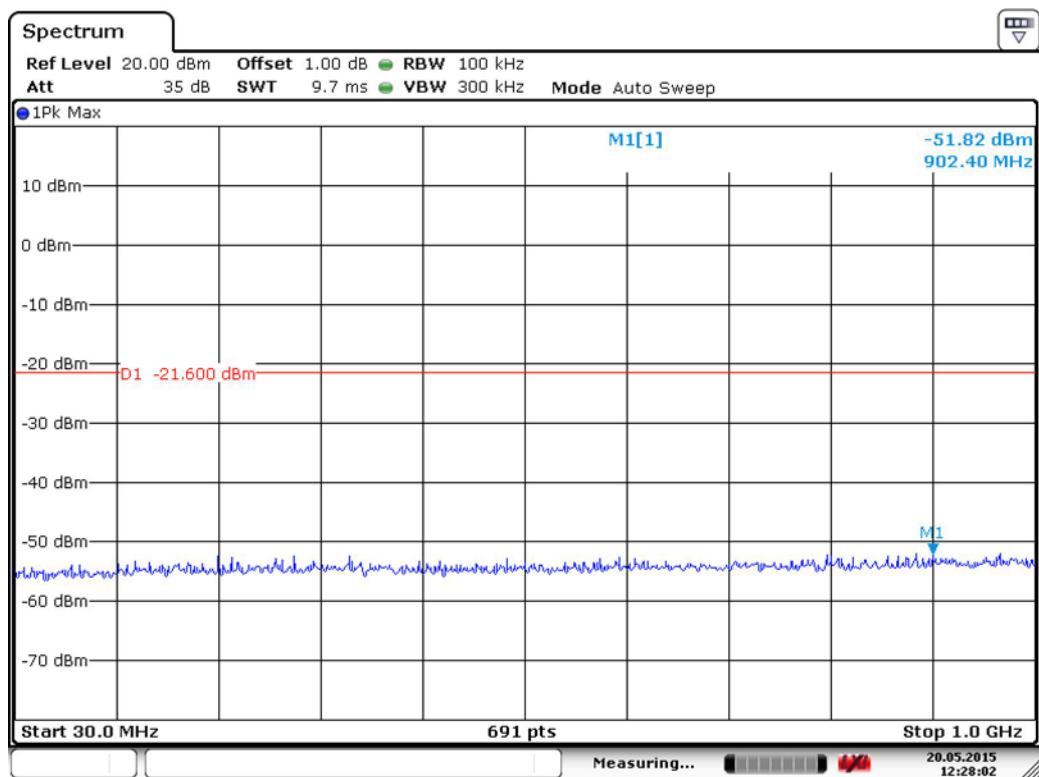


Date: 20.MAY.2015 12:41:29

For 8DPSK

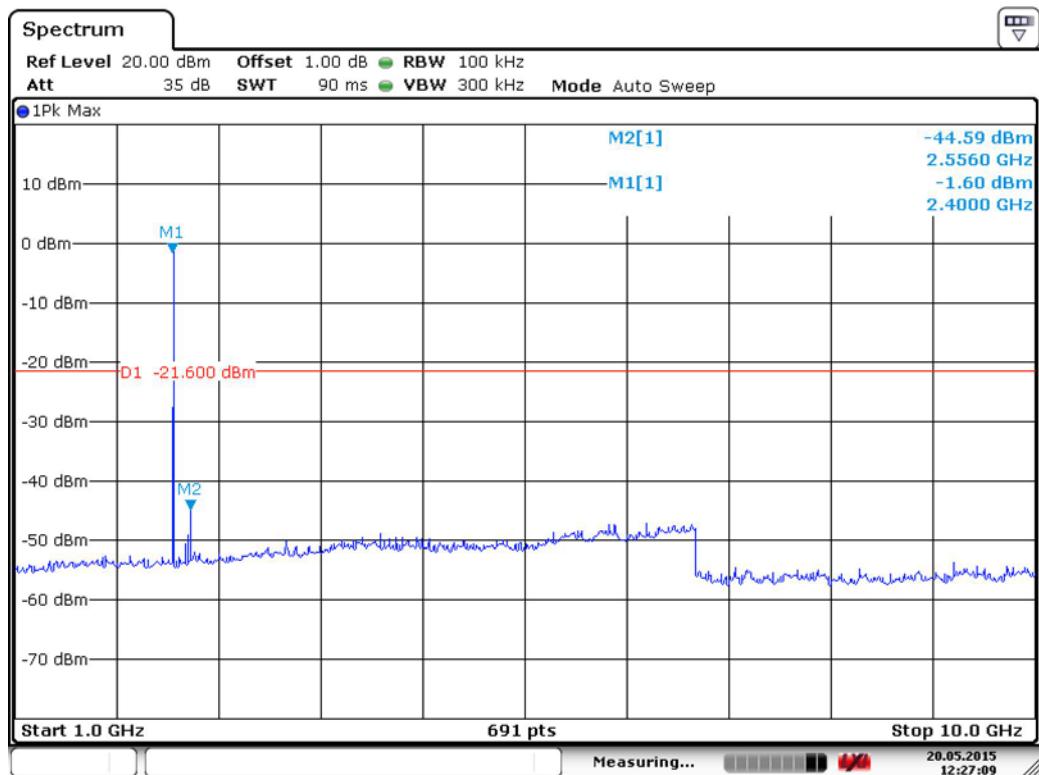
Lowest Channel:

30M to 1GHz



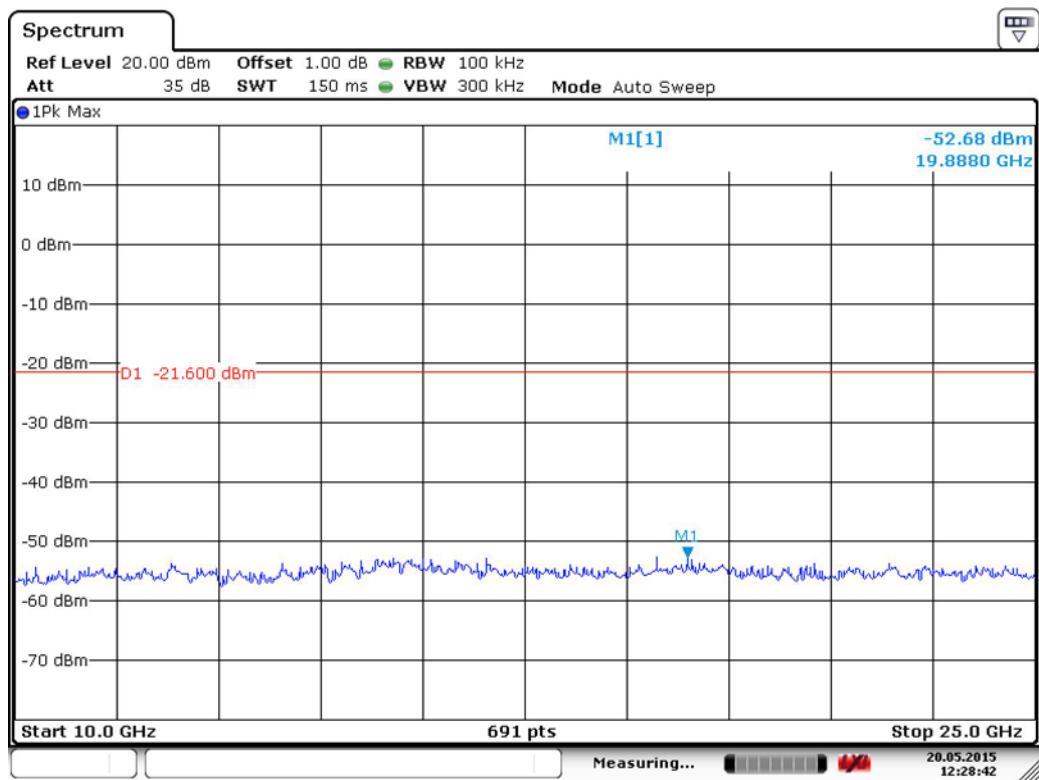
Date: 20.MAY.2015 12:28:02

## 1G to 10GHz



Date: 20.MAY.2015 12:27:10

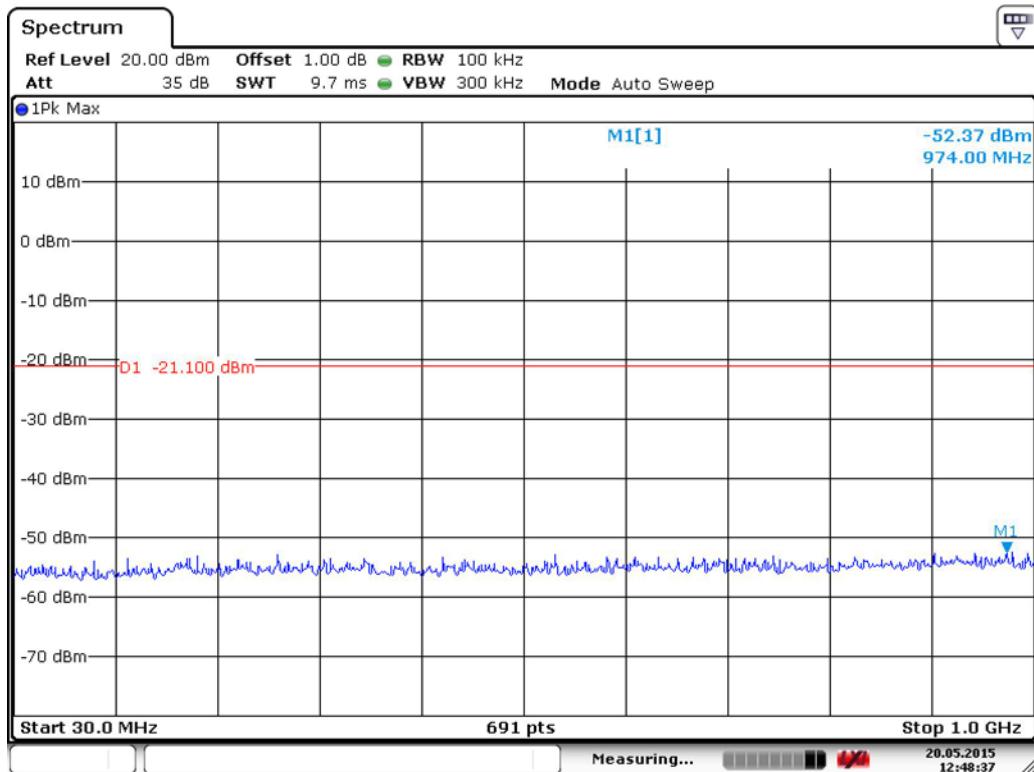
## 10G to 25GHz



Date: 20.MAY.2015 12:28:42

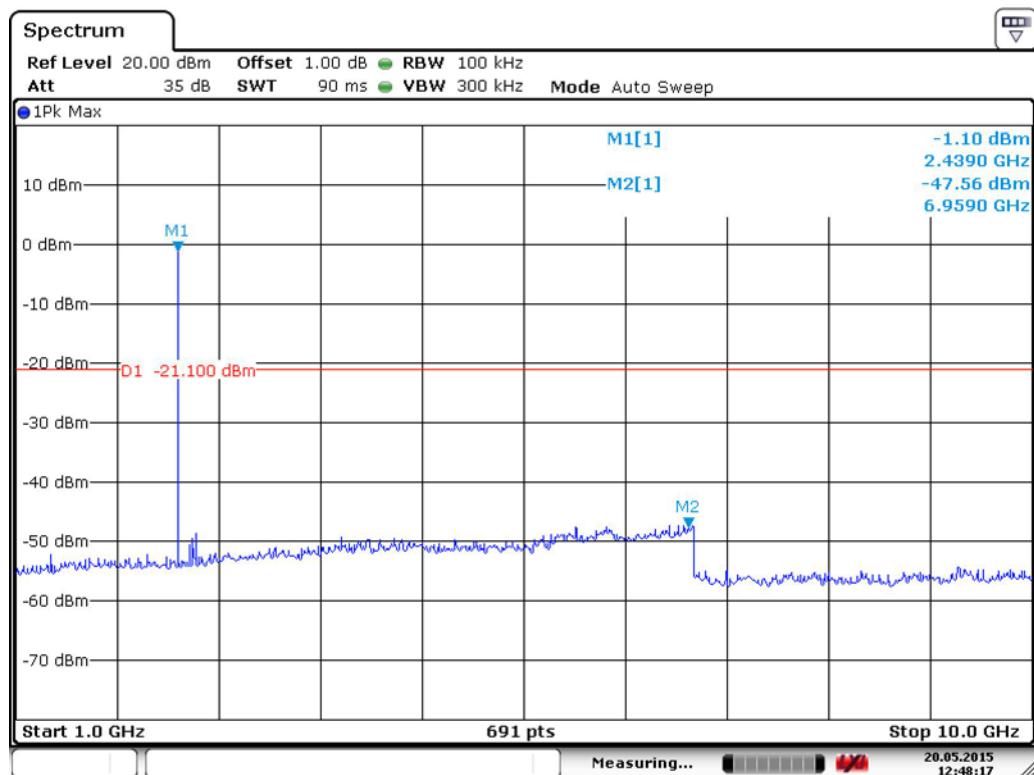
Middle Channel:

30M to 1GHz



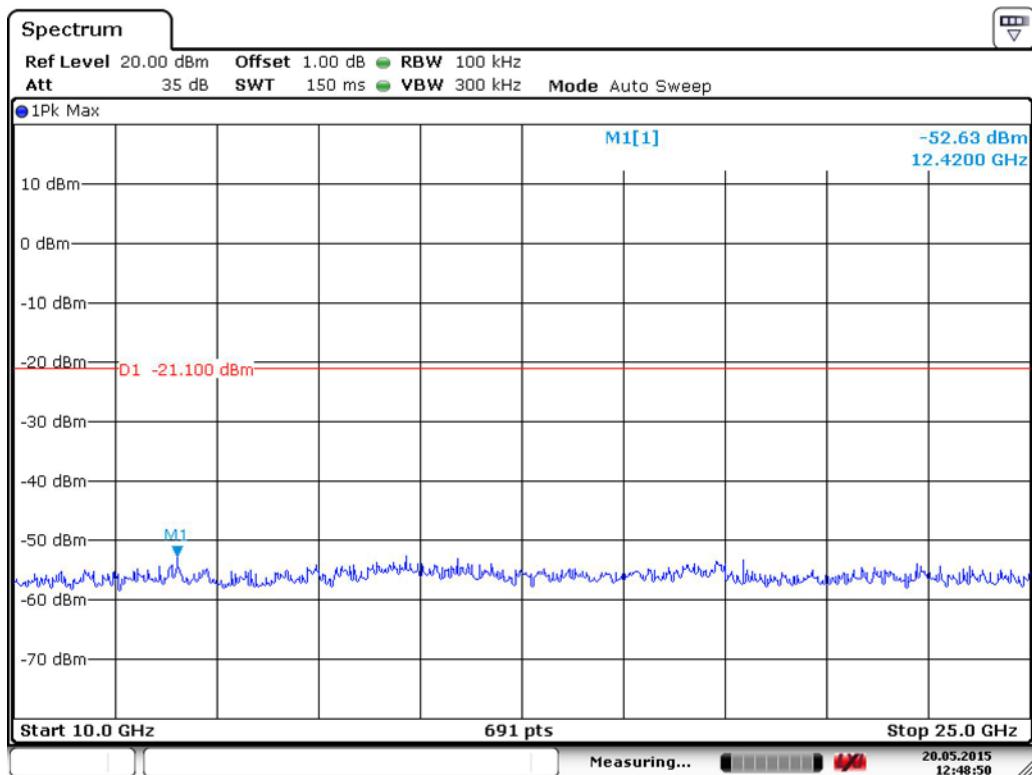
Date: 20.MAY.2015 12:48:37

1G to 10GHz



Date: 20.MAY.2015 12:48:17

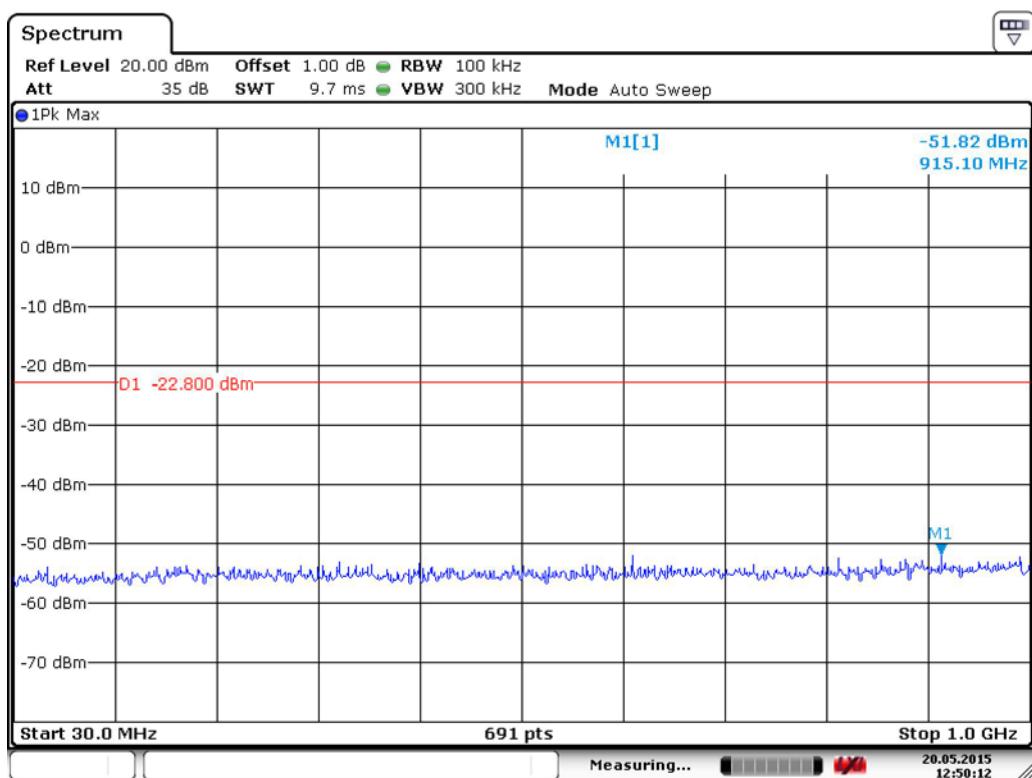
10G to 25GHz



Date: 20.MAY.2015 12:48:51

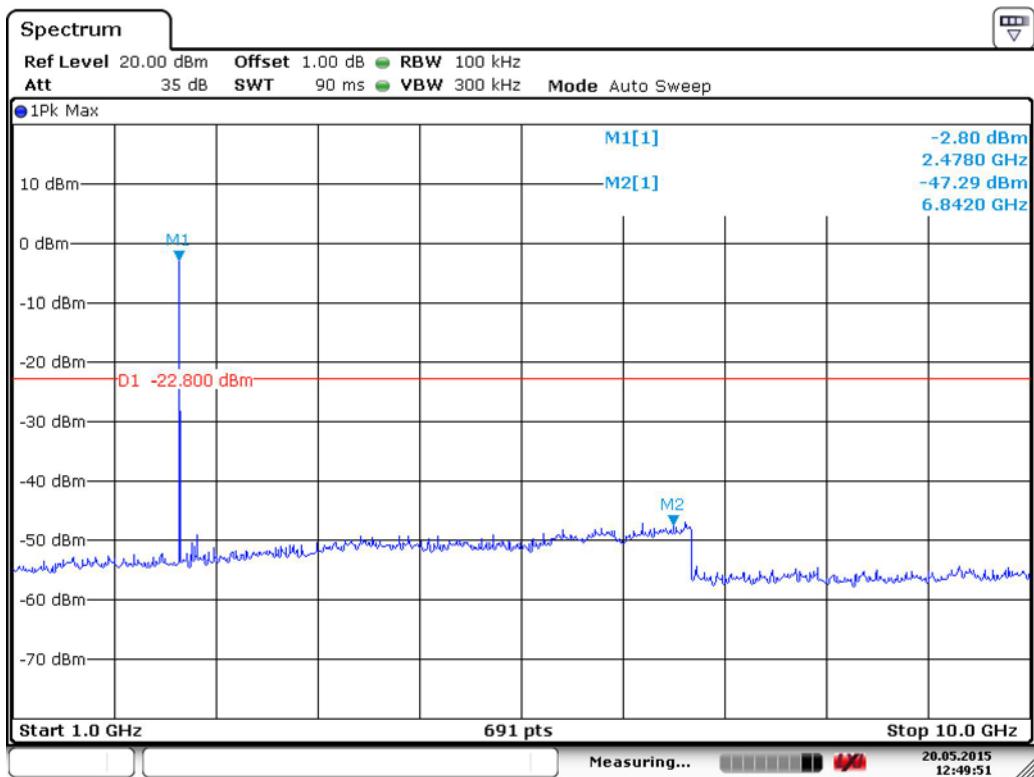
Highest Channel

30M to 1GHz



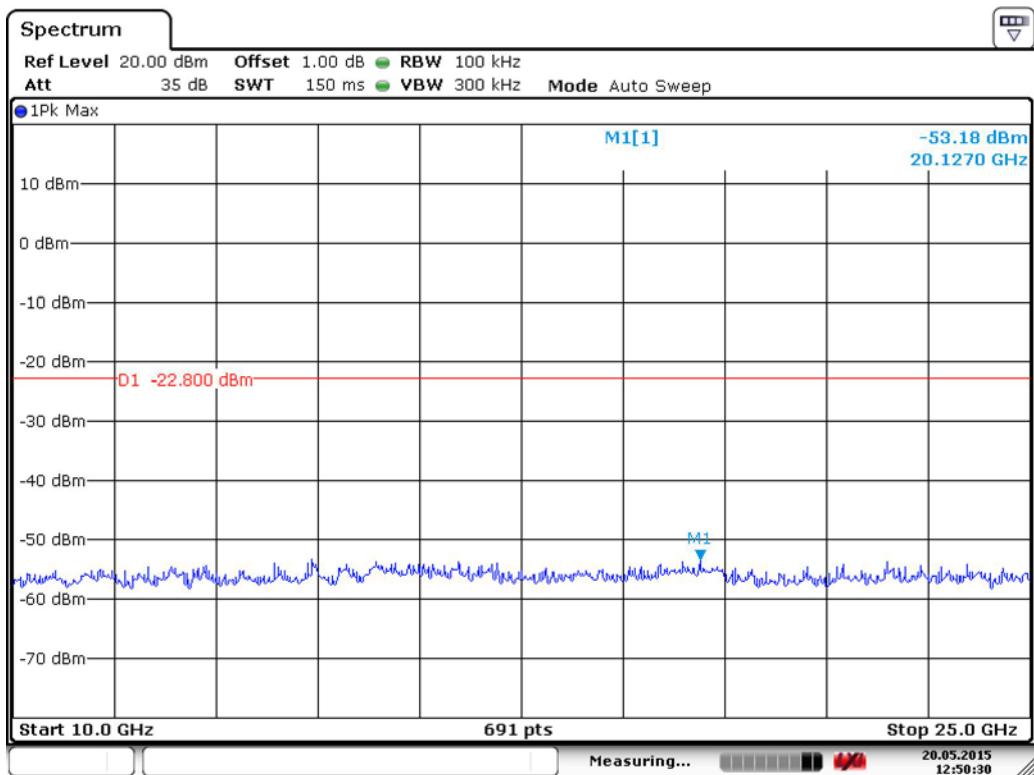
Date: 20.MAY.2015 12:50:13

## 1G to 10GHz



Date: 20.MAY.2015 12:49:51

## 10G to 25GHz



Date: 20.MAY.2015 12:50:29

## 4.10 RADIATED SPURIOUS EMISSIONS

### 4.10.1 LIMITS

Frequency (MHz)	Quasi-peak( $\mu$ V/m)	Measurement distance(m)	Quasi-peak(dB $\mu$ V/m)@distance 3m
0.009-0.490	2400/F(kHz)	300	53.8~88.5
0.490-1.705	24000/F(kHz)	30	43~53.8
1.705-30.0	30	30	49.5
30 ~ 88	100	3	40
88~216	150	3	43.5
216 ~ 960	200	3	46
Above 960	500	3	54

NOTE: (1) The lower limit shall apply at the transition frequencies.

Frequency (GHz)	Quasi-peak(dB $\mu$ V/m)
1 ~ 26.5	74
1~ 26.5	54

### 4.10.2 TEST PROCEDURES

#### Procedure of Preliminary Test

According to ANSI C63.10:2009, a calibrated, linearly polarized antenna shall be positioned at the specified distance from the periphery of the EUT. The specified distance is the distance between the horizontal projection onto the ground plane of the closest periphery of the EUT and the projection onto the ground plane of the center of the axis of the elements of the receiving antenna.

Measurements shall be made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna shall be varied in height above the reference ground plane to obtain the maximum signal strength. Unless otherwise specified, the measurement distance shall be 3 m. At any measurement distance, the antenna height shall be varied from 1 m to 4 m. These height scans apply for both horizontal and vertical polarizations, except that for vertical polarization, the minimum height of the center of the antenna shall be increased so that the lowest point of the bottom of the lowest antenna element clears the site reference ground plane by at least 25 cm. For a tuned dipole, the minimum heights as measured from the center of the antenna are those specified in the NSA measurement requirements.

For tabletop systems, cables or wires should be manipulated within the range of likely arrangements. For floor-standing equipment, the cables or wires should be located in the same manner as the user would install them and no further manipulation is made. For combination EUTs, the tabletop and floor-standing portions of the EUT shall follow the procedures for their respective setups and cable manipulation.

Table-top equipment is placed on a non-conductive set-up table with height  $0,8 \text{ m} \pm 0,01 \text{ m}$ , ANSI C63.10:2009 specifies the method to determine the impact of the non-conductive set-up table on test results. If the manner of cable installation is not known, or if it changes with each installation, cables or wires for floor-standing equipment shall be manipulated to the extent possible to produce the maximum level of emissions. For each mode of operation required to be tested, the frequency spectrum shall be monitored. Variations in antenna height between 1 m and 4 m, antenna polarization, EUT azimuth, and cable or wire placement shall be explored to produce the emission that has the highest amplitude relative to the limit.

#### Procedure of Final Test

EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test. The Analyzer / Receiver scanned from 30MHz to 1000MHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level. Record at least six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit and only QP reading is presented. The test data of the worst-case condition(s) was recorded.

#### Procedure of Final Test

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test. A scan was taken on both power lines, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. The test data of the worst-case condition(s) was recorded.

Below 1GHz Set the spectrum analyzer: RBW =100KHz VBW  $\geq$  RBW , Span = enough to catch the trace. Sweep = auto; Detector Function = Peak. Trace = Max,hold.

Above 1GHz Set the spectrum analyzer: RBW =1MHz VBW  $\geq$  RBW , Span = enough to catch the trace. Sweep = auto; Detector Function = Peak. Trace = Max,hold.

Pre-test for normal mode and EDR mode, to find the EDR is the worst case.

The worst case emissions were reported.

#### 4.10.3 TEST SETUP

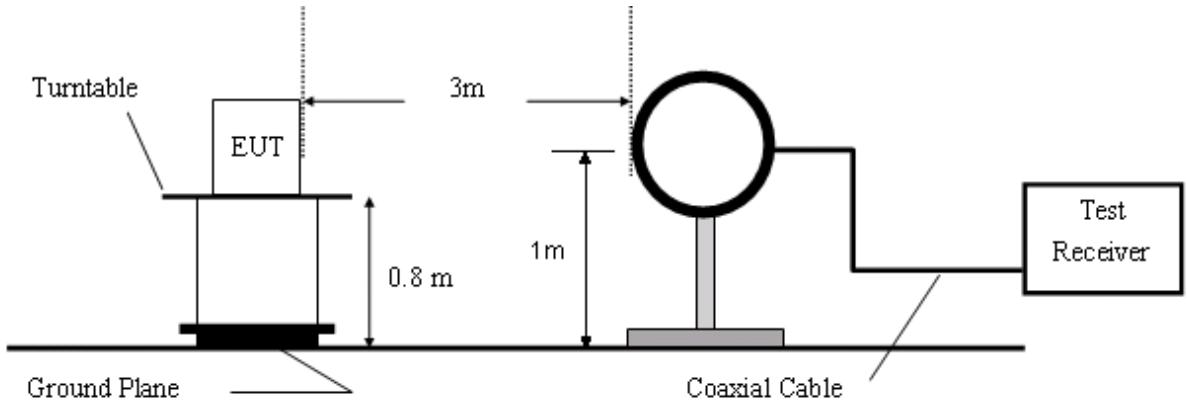


Figure 1. 9 KHz to 30MHz radiated emissions test configuration

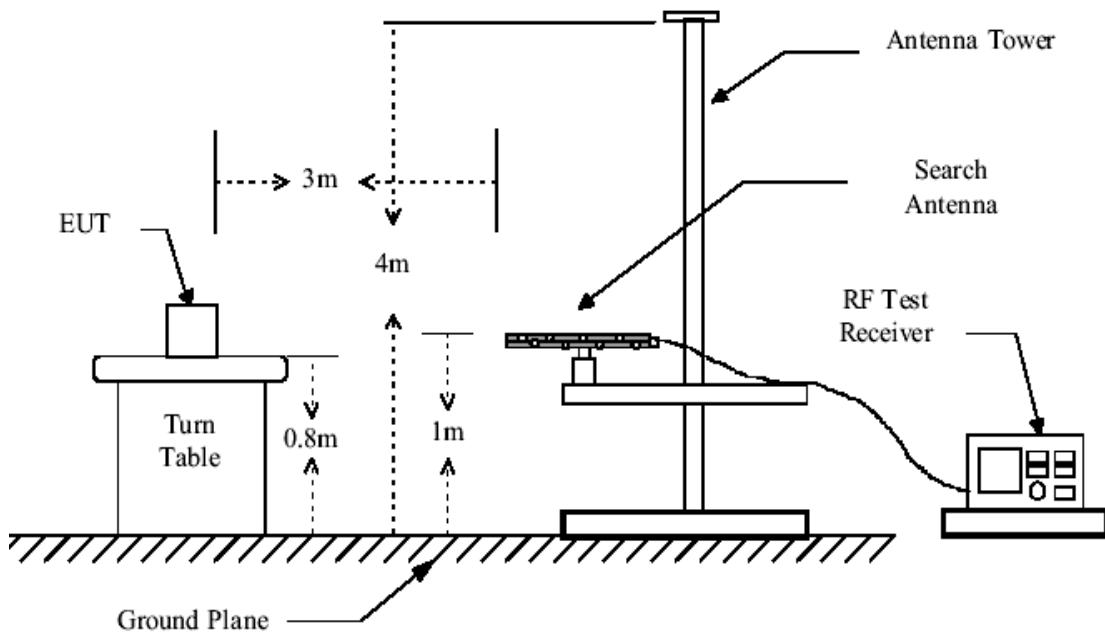


Figure 2. 30MHz to 1GHz radiated emissions test configuration

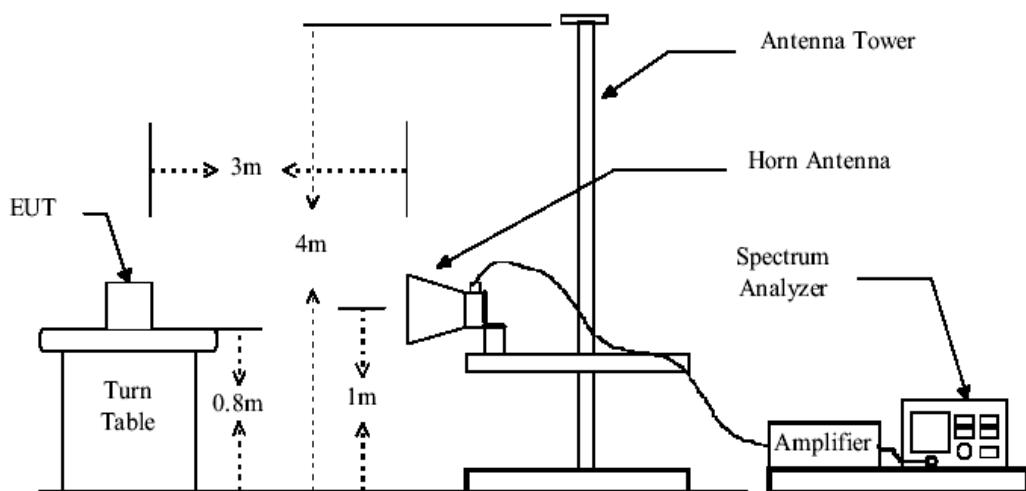


Figure 3. Above 1GHz radiated emissions test configuration

#### 4.10.4 TEST RESULTS

##### 1. Low Frequency 2402MHz

###### 30MHz~1GHz Spurious Emissions .Quasi-Peak Measurement

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Antenna polarization
1	50.3092	26.32	9.68	36.00	40.00	-4.00	Vertical
2	51.4530	28.02	9.48	37.50	40.00	-2.50	Vertical
3	56.2935	29.25	8.65	37.90	40.00	-2.10	Vertical
4	57.2506	29.42	8.48	37.90	40.00	-2.10	Vertical
5	89.2443	22.46	9.54	32.00	43.50	-11.50	Vertical
6	93.3479	21.46	9.74	31.20	43.50	-12.30	Vertical
7	34.9152	5.96	16.44	22.40	40.00	-17.60	Horizontal
8	57.2506	14.12	8.48	22.60	40.00	-17.40	Horizontal
9	89.2443	16.06	9.54	25.60	43.50	-17.90	Horizontal
10	177.1425	13.80	10.90	24.70	43.50	-18.80	Horizontal
11	248.1723	12.20	13.60	25.80	46.00	-20.20	Horizontal
12	288.8332	15.59	14.71	30.30	46.00	-15.70	Horizontal

###### 1~25 GHz Harmonics & Spurious Emissions. Peak & Average Measurement

###### Peak Measurement:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Antenna polarization
1	5836.852	28.83	12.78	41.61	74.00	-32.39	Vertical
2	6709.134	28.65	13.20	41.85	74.00	-32.15	Vertical
3	12719.271	27.33	18.73	46.06	74.00	-27.94	Vertical
4	16804.972	27.62	17.84	45.46	74.00	-28.54	Vertical
5	20549.869	27.04	19.81	46.85	74.00	-27.15	Vertical
6	23989.307	26.51	23.19	49.70	74.00	-24.30	Vertical
7	5319.288	29.85	12.14	41.99	74.00	-32.01	Horizontal
8	6709.134	29.85	13.20	43.05	74.00	-30.95	Horizontal
9	7872.549	29.33	14.04	43.37	74.00	-30.63	Horizontal
10	12653.828	27.83	18.47	46.30	74.00	-27.70	Horizontal
11	18063.497	27.32	19.15	46.47	74.00	-27.53	Horizontal
12	24113.374	27.16	23.29	50.45	74.00	-23.55	Horizontal

###### AV Measurement:

The Peak value is lower than AV limit, so only record the Peak value.

The field strength is calculated by adding the Antenna Factor. Correct Factor.

The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Correct Factor

## 2. Middle Frequency 2441MHz

## 30MHz~1GHz Spurious Emissions .Quasi-Peak Measurement

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Antenna polarization
1	50.3092	26.72	9.68	36.40	40.00	-3.60	Vertical
2	51.4530	27.02	9.48	36.50	40.00	-3.50	Vertical
3	56.2935	28.05	8.65	36.70	40.00	-3.30	Vertical
4	57.2505	29.02	8.48	37.50	40.00	-2.50	Vertical
5	92.3045	23.10	9.70	32.80	43.50	-10.70	Vertical
6	395.6540	12.60	18.10	30.70	46.00	-15.30	Vertical
7	57.2506	15.62	8.48	24.10	40.00	-15.90	Horizontal
8	89.7472	13.71	9.59	23.30	43.50	-20.20	Horizontal
9	177.1425	13.90	10.90	24.80	43.50	-18.70	Horizontal
10	288.8332	13.79	14.71	28.50	46.00	-17.50	Horizontal
11	302.1142	12.32	15.18	27.50	46.00	-18.50	Horizontal
12	328.6842	10.76	16.64	27.40	46.00	-18.60	Horizontal

## 1~25 GHz Harmonics &amp; Spurious Emissions. Peak &amp; Average Measurement

## Peak Measurement:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Antenna polarization
1	5958.539	30.09	12.82	42.91	74.00	-31.09	Vertical
2	8162.015	28.85	13.85	42.70	74.00	-31.30	Vertical
3	12719.271	27.61	18.73	46.34	74.00	-27.66	Vertical
4	19923.577	27.52	18.88	46.40	74.00	-27.60	Vertical
5	21415.655	27.66	20.86	48.52	74.00	-25.48	Vertical
6	24113.374	26.67	23.29	49.96	74.00	-24.04	Vertical
7	8162.015	28.91	13.85	42.76	74.00	-31.24	Horizontal
8	9285.486	29.08	14.22	43.30	74.00	-30.70	Horizontal
9	12268.182	27.80	17.69	45.49	74.00	-28.51	Horizontal
10	18063.497	26.94	19.15	46.09	74.00	-27.91	Horizontal
11	22203.088	26.75	21.48	48.23	74.00	-25.77	Horizontal
12	24743.403	27.49	23.80	51.29	74.00	-22.71	Horizontal

## AV Measurement:

The Peak value is lower than AV limit, so only record the Peak value.

The field strength is calculated by adding the Antenna Factor. Correct Factor.

The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Correct Factor

## 3. High Frequency 2480MHz

## 30MHz~1GHz Spurious Emissions .Quasi-Peak Measurement

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Antenna polarization
1	34.9152	15.66	16.44	32.10	40.00	-7.90	Vertical
2	48.3687	25.47	10.33	35.80	40.00	-4.20	Vertical
3	50.3092	27.62	9.68	37.30	40.00	-2.70	Vertical
4	51.4530	28.02	9.48	37.50	40.00	-2.50	Vertical
5	57.2506	28.72	8.48	37.20	40.00	-2.80	Vertical
6	92.3046	22.30	9.70	32.00	43.50	-11.50	Vertical
7	48.3687	16.37	10.33	26.70	40.00	-13.30	Horizontal
8	50.3092	18.92	9.68	28.60	40.00	-11.40	Horizontal
9	57.2506	17.82	8.48	26.30	40.00	-13.70	Horizontal
10	89.2443	14.46	9.54	24.00	43.50	-19.50	Horizontal
11	177.1425	13.80	10.90	24.70	43.50	-18.80	Horizontal
12	288.8332	13.99	14.71	28.70	46.00	-17.30	Horizontal

## 1~25 GHz Harmonics &amp; Spurious Emissions. Peak &amp; Average Measurement

## Peak Measurement:

No.	Frequency (MHz)	Reading (dBuV/m)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Antenna polarization
1	7832.044	29.37	14.05	43.42	74.00	-30.58	Vertical
2	10952.011	27.70	16.76	44.46	74.00	-29.54	Vertical
3	12851.174	26.69	19.21	45.90	74.00	-28.10	Vertical
4	17970.557	27.45	19.03	46.48	74.00	-27.52	Vertical
5	23258.193	26.84	22.46	49.30	74.00	-24.70	Vertical
6	24113.374	27.50	23.29	50.79	74.00	-23.21	Vertical
7	7872.549	28.10	14.04	42.14	74.00	-31.86	Horizontal
8	9479.071	28.40	14.51	42.91	74.00	-31.09	Horizontal
9	11472.457	27.47	17.37	44.84	74.00	-29.16	Horizontal
10	12984.444	26.37	19.71	46.08	74.00	-27.92	Horizontal
11	17878.096	27.07	18.57	45.64	74.00	-28.36	Horizontal
12	24113.374	27.52	23.29	50.81	74.00	-23.19	Horizontal

## AV Measurement:

The Peak value is lower than AV limit, so only record the Peak value.

The field strength is calculated by adding the Antenna Factor. Correct Factor.

The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Correct Factor

**Remark:**

- 1). No any other emissions level which are attenuated less than 20dB below the limit.  
According to 15.31(o), The amplitude of spurious emissions from intentional radiators and emissions from unintentional radiators which are attenuated more than 20 dB below the permissible value need not be reported unless specifically required elsewhere in this Part. Hence there no other emissions have been reported.
- 2). As shown in Section, for frequencies above 1000 MHz. the above field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.
- 3). The test only perform the EUT in transmitting status since the test frequencies were over 1GHz only required transmitting status.

**Test result: The unit does meet the requirements.**

## 4.11 BAND EDGES REQUIREMENT

### 4.11.1 LIMITS

Section 15.247 (d) In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator 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 the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in Section 15.209(a) is not required.

### 4.11.2 TEST PROCEDURES

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW to 100 kHz and VBW of spectrum analyzer to 300 kHz with a convenient frequency span including 100 kHz bandwidth from band edge.

**Note:** For Restricted Band

RBW=100 kHz

VBW=300 kHz

4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.

Repeat above procedures until all measured frequencies were complete.

### 4.11.3 TEST SETUP



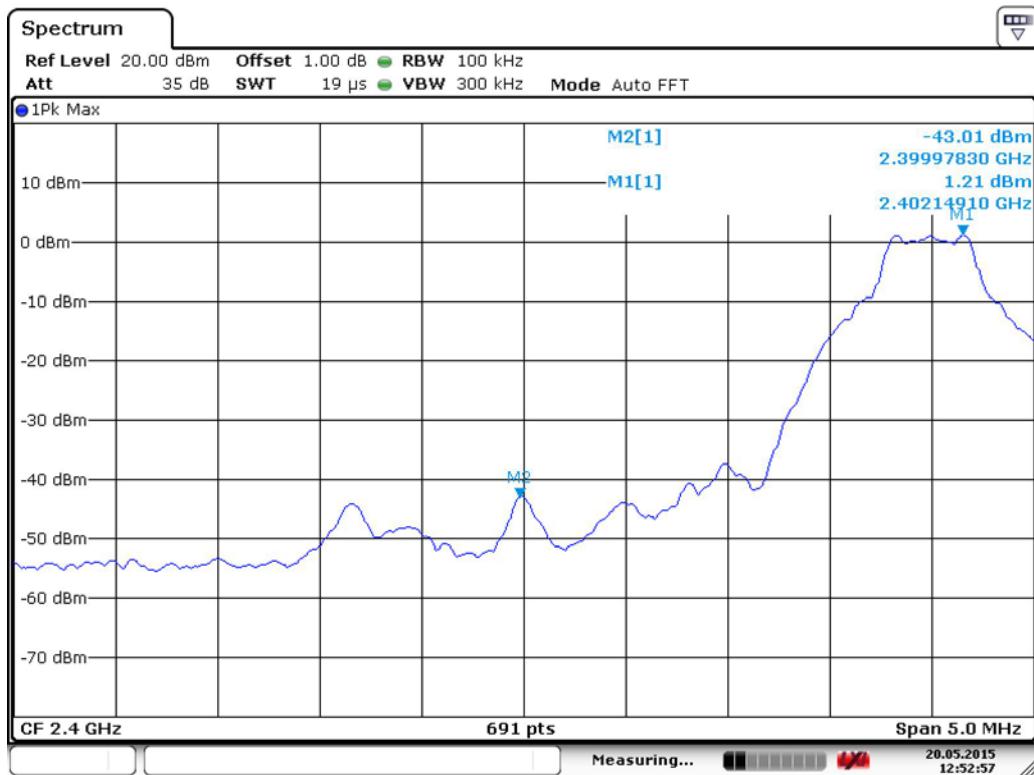
### 4.11.4 TEST RESULTS

**The unit does meet the FCC requirements.**

Test result plot as follows:

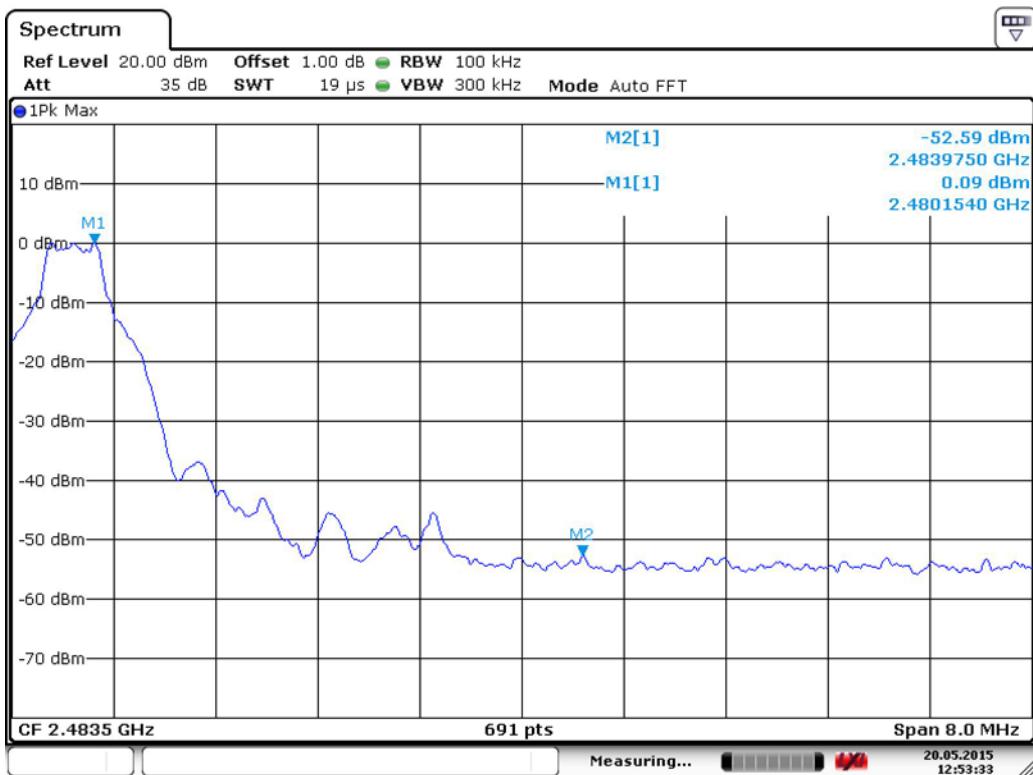
For GFSK

Lowest Channel



Date: 20.MAY.2015 12:52:57

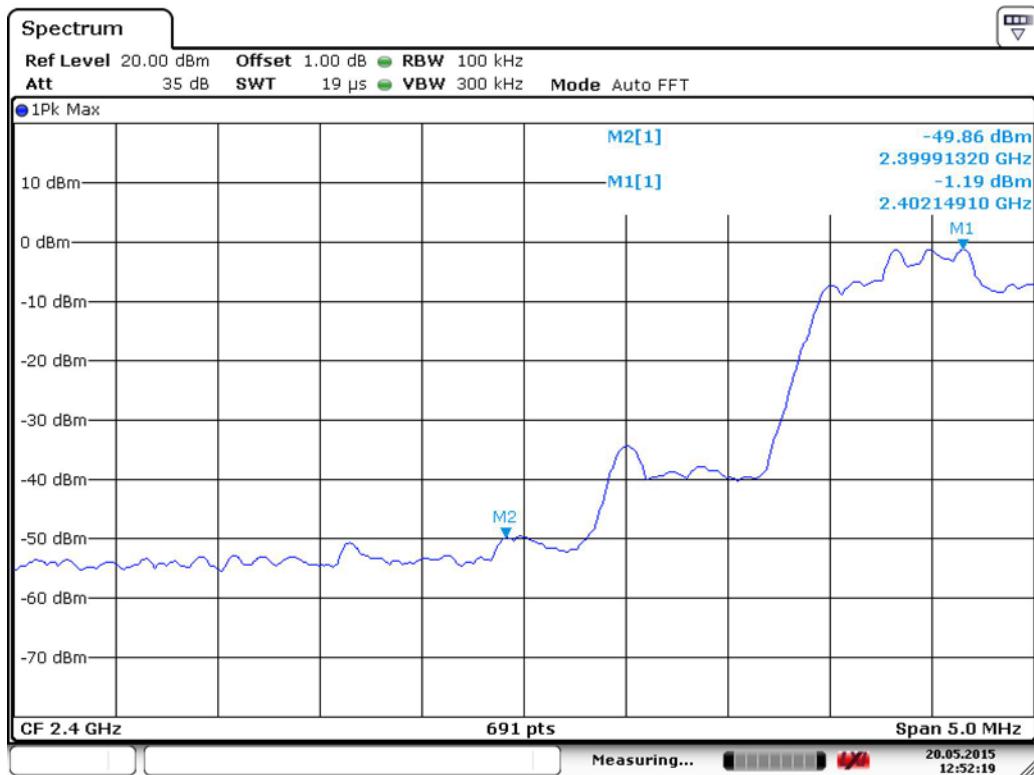
Highest Channel



Date: 20.MAY.2015 12:53:33

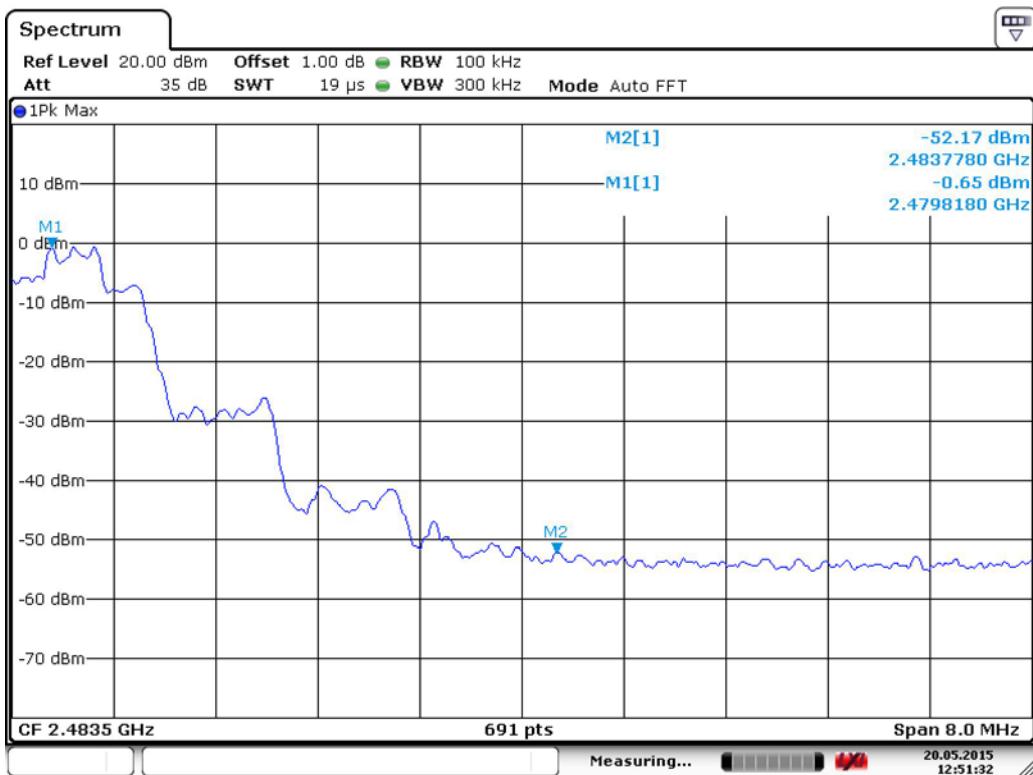
For 8DPSK

Lowest Channel



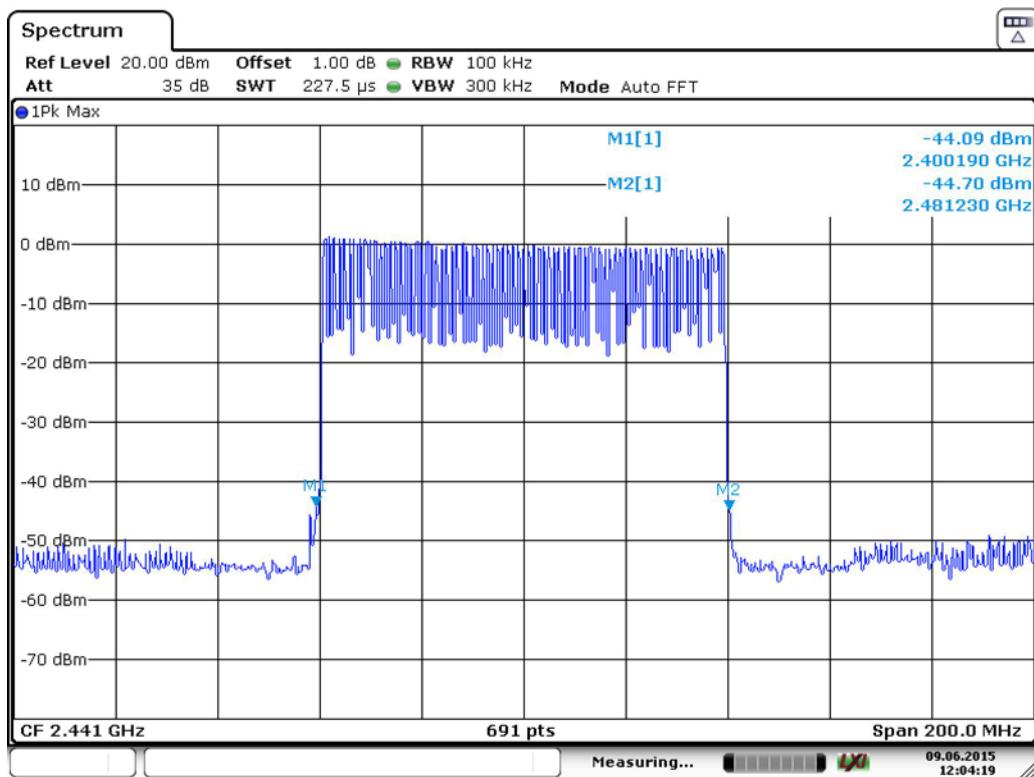
Date: 20.MAY.2015 12:52:19

Highest Channel



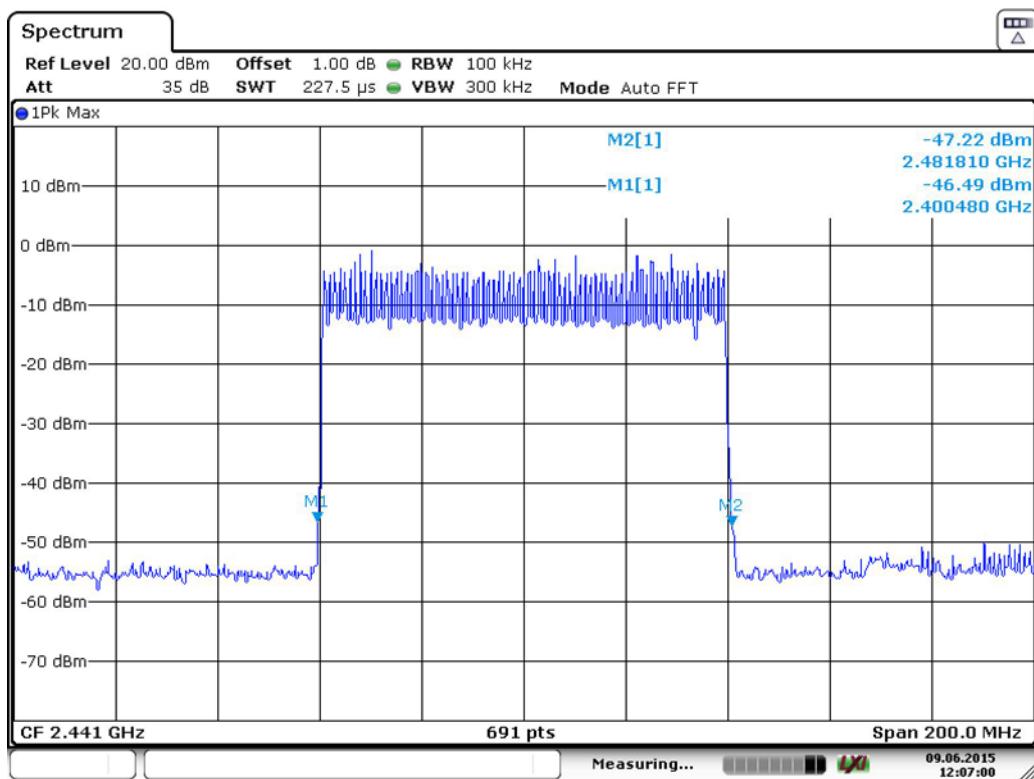
Date: 20.MAY.2015 12:51:33

## Hopping mode For GFSK



Date: 9.JUN.2015 12:04:20

## Hopping mode For 8DPSK



Date: 9.JUN.2015 12:07:00

#### 4.11.5 RADIATED EMISSIONS WHICH FALL IN THE RESTRICTED BANDS

Test Requirement: Section 15.247(d) In addition, radiated emissions which fall in the restricted bands. As defined in Section 15.205(a), must also comply with the radiated emission limits specified in Section 15.209(a) (see Section 15.205(c)).

Section 15.205 Restricted bands of operation.

(a) Except as shown in paragraph (d) of this section. Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
<sup>1</sup> 0.495 - 0.505	16.69475 -	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.69525	960 - 1240	7.25 - 7.75
4.125 - 4.128	16.80425 -	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	16.80475	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	25.5 - 25.67	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	37.5 - 38.25	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	73 - 74.6	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	74.8 - 75.2	2200 - 2300	14.47 - 14.5
8.291 - 8.294	108 - 121.94	2310 - 2390	15.35 - 16.2
8.362 - 8.366	123 - 138	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	149.9 - 150.05	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	156.52475 -	3260 - 3267	23.6 - 24.0
12.29 - 12.293	156.52525	3332 - 3339	31.2 - 31.8
12.51975 -	156.7 - 156.9	3345.8 - 3358	36.43 - 36.5
12.52025	162.0125 - 167.17	3600 - 4400	
12.57675 -	167.72 - 173.2		
12.57725	240 - 285		
13.36 - 13.41	322 - 335.4		

Pre-test the Bluetooth normal mode and EDR mode, record EDR mode date

The field strength was measured with an EMI measuring receiver and 1 MHz RBW / VBW for peak and with 1MHz RBW / 10Hz VBW for average at a distance of 3m.

**Test Result:****Channel Low**

No.	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Over Limit dB	Remark	Pol V/H
1	2310.000	27.85	6.94	34.79	74.00	-39.21	peak	VERTICAL
2	2390.000	27.94	7.41	35.35	74.00	-38.65	peak	VERTICAL
3	2400.000	29.43	7.46	36.89	74.00	-37.11	peak	VERTICAL
4	2310.000	16.89	6.94	23.83	54.00	-30.17	AVG	VERTICAL
5	2390.000	16.74	7.41	24.15	54.00	-29.85	AVG	VERTICAL
6	2400.000	17.06	7.46	24.52	54.00	-29.48	AVG	VERTICAL
1	2310.000	27.22	6.94	34.16	74.00	-39.84	peak	HORIZONTAL
2	2390.000	27.51	7.41	34.92	74.00	-39.08	peak	HORIZONTAL
3	2400.000	28.50	7.46	35.96	74.00	-38.04	peak	HORIZONTAL
4	2310.000	16.75	6.94	23.69	54.00	-30.31	AVG	HORIZONTAL
5	2390.000	16.66	7.41	24.07	54.00	-29.93	AVG	HORIZONTAL
6	2400.000	18.65	7.46	26.11	54.00	-27.89	AVG	HORIZONTAL

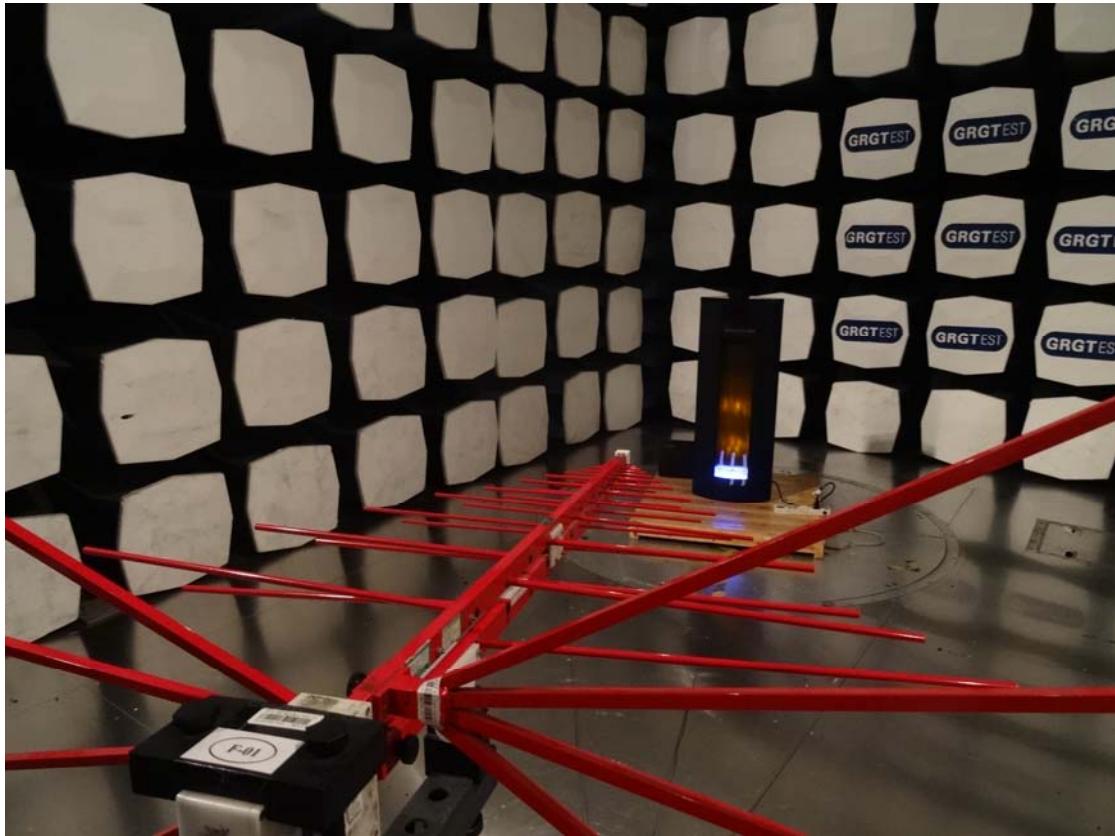
**Channel High**

No.	Freq MHz	Reading dBuV	Factor dB	Level dBuV/m	Limit dBuV/m	Over Limit dB	Remark	Pol V/H
1	2483.500	29.34	7.87	37.21	74.00	-36.79	peak	VERTICAL
2	2500.000	27.72	7.95	35.67	74.00	-38.33	peak	VERTICAL
3	2483.500	17.02	7.87	24.89	54.00	-29.11	AVG	VERTICAL
4	2500.000	16.15	7.95	24.10	54.00	-29.90	AVG	VERTICAL
1	2483.500	27.97	7.87	35.84	74.00	-38.16	peak	HORIZONTAL
2	2500.000	27.51	7.95	35.46	74.00	-38.54	peak	HORIZONTAL
3	2483.500	17.01	7.87	24.88	54.00	-29.12	AVG	HORIZONTAL
4	2500.000	16.13	7.95	24.08	54.00	-29.92	AVG	HORIZONTAL

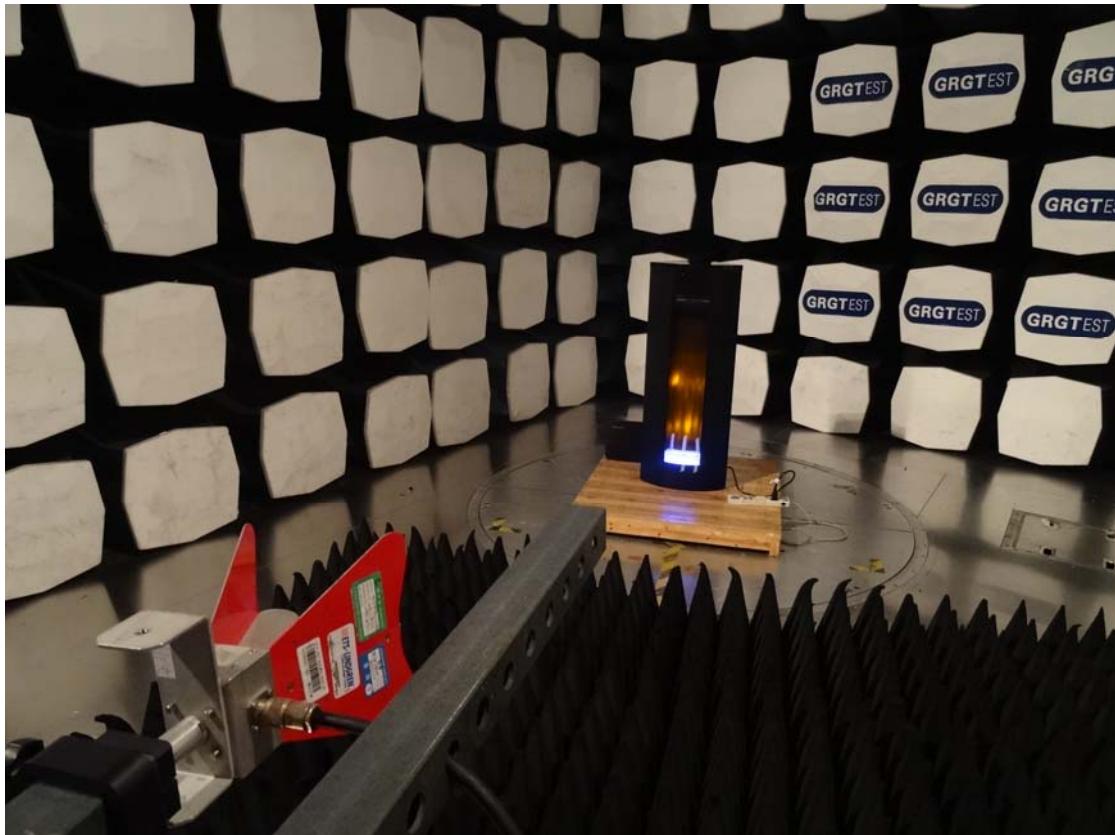
Remark: Max field strength in 3m distance. No any other emission which falls in restricted bands can be detected and be reported.

**APPENDIX A: PHOTOGRAPH OF THE TEST ARRANGEMENT**

RSE (Below 1GHz)



RSE (Above 1GHz)



CE



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