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1. Standards, reference documents and applicable test methods

1. FCC 47 CFR part 15 - Subpart C – §15.247 Operation within the bands 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.
2. FCC 47 CFR part 15 - Subpart C – §15.209 Radiated emission limits; general requirements.
3. Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems - DA 00-705 Released March 30, 2000
4. RSS-247 Issue 1 - Licence-exempt Radio Apparatus (All Frequency Bands): Category I Equipment.
5. RSS-Gen Issue 4 - General Requirements for Compliance of Radio Apparatus.
6. ANSI C63.10-2009 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices.

2. General conditions, competences and guarantees

- ✓ Intel Mobile Communications Wireless RF Lab (Intel WRF Lab) is a testing laboratory accredited by the American Association for Laboratory Accreditation (A2LA).
- ✓ Intel Mobile Communications Wireless RF Lab (Intel WRF Lab) is an Accredited Test Firm listed by the FCC, with Designation Number FR0011.
- ✓ Intel Mobile Communications Wireless RF Lab (Intel WRF Lab) is a Registered Test Site listed by IC, with IC Assigned Code 1000Y.
- ✓ Intel WRF Lab only provides testing services and is committed to providing reliable, unbiased test results and interpretations.
- ✓ Intel WRF Lab is liable to the client for the maintenance of the confidentiality of all information related to the item under test and the results of the test.
- ✓ Intel WRF Lab has developed calibration and proficiency programs for its measurement equipment to ensure correlated and reliable results to its customers.
- ✓ This report is only referred to the item that has undergone the test.
- ✓ This report does not imply an approval of the product by the Certification Bodies or competent Authorities.
- ✓ Complete or partial reproduction of the report cannot be made without written permission of Intel WRF Lab.

3. Environmental Conditions

- ✓ At the site where the measurements were performed the following limits were not exceeded during the tests:

Temperature	22°C ± 2°C
Humidity	52% ± 5%

4. Test samples

Sample	Control #	Description	Model	Serial #	Date of reception	Note
#01	15051101.S23	WiFi/BT High End Module	8260NGW H	WF MAC: 34:13:E8:42:D2:27	2015-06-12	Used for conducted tests
	15051101.S19	Extender board	PCB00495	ASS0495-001, 4955013-084	2015-05-20	
	15051101.S18	AC/DC Adapter	90W 19.5V 4.62A	CN-06C3W2- 72438-4C8-44DD- A01	2015-05-20	
	15051101.S17	Laptop	DELL E5440	7CSYN32	2015-05-20	
#02	15051101.S32	WiFi/BT High End Module	8260NGW H	WF MAC: 3413E8369322	2015-05-11	Used for radiated tests
	15051101.S05	Switching power supply SINPRO 5V 6A	SPU60-102	07990495-1249	2015-06-12	
	15051101.S06	Extender board	PCB00495	ASS0495-001, 4950414-019	2015-05-12	
	15051101.S07	USB Cable	E154336	NA	2015-05-12	
	15051101.S08	PCI Cable	Blue cable 1 meter	NA	2015-05-12	
	15051101.S09	Laptop	Dell E5440	9FSYN32	2015-05-12	
	15051101.S10	AC/DC Adapter	90W 19.5V 4.62A	CN-OJCF3V- 48661-51S-OPIC- A02	2015-05-12	

NA: Not Applicable

5. EUT features

These are the detailed bands and modes supported by the Equipment Under Test:

802.11b/g/n	2.4GHz (2400.0 – 2483.5 MHz)
802.11a/n/ac	5.3GHz (5250.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz)
BDR/EDR 2.1 BLE 4.0	2.4GHz (2400.0 – 2483.5 MHz)

6. Remarks and comments

N/A

7. Test Verdicts summary

7.1. BT Enhanced Data Rate

FCC part	RSS part	Test name	Verdict
15.247 (a) (1)	RSS-247 Clause 5.1 (1) and (2)	20dB Bandwidth and Carrier frequency separation	P
15.247 (a) (1) (iii)	RSS-247 Clause 5.1 (4)	Number of hopping channels	P
15.247 (a) (1) (iii)	RSS-247 Clause 5.1 (4)	Time of Occupancy (Dwell Time)	P
15.247 (b) (1)	RSS-247 Clause 5.4 (2)	Maximum Peak Output Power and antenna gain	P
15.247 (d)	RSS-247 Clause 5.5	Out-of-band Emissions (conducted)	P
15.247 (d) 15.209	RSS-247 Clause 5.5	Out-of-band Emissions (radiated)	P

P: Pass
 F: Fail
 NM: Not Measured
 NA: Not Applicable

8. Document Revision History

Revision #	Date	Modified by	Details
Rev. 00	2015-08-19	O.Fargant	First Issue

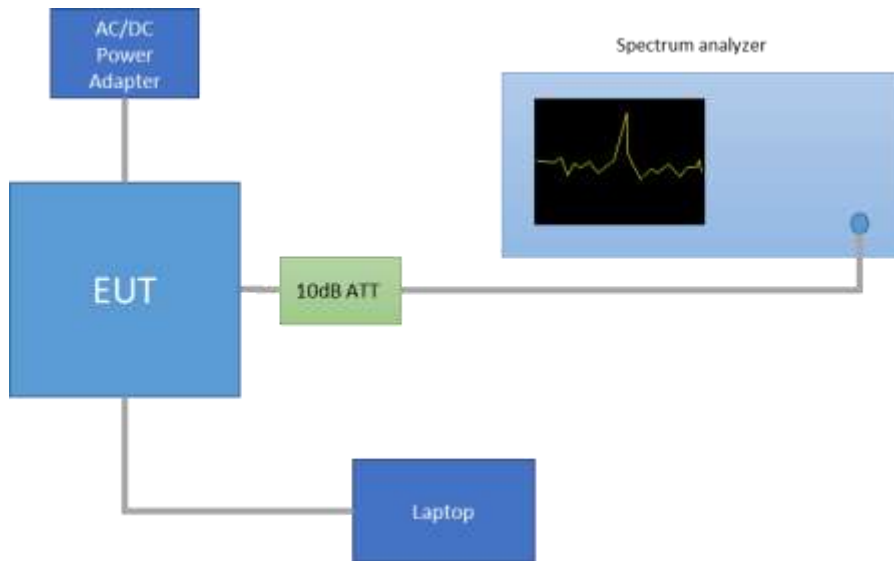
Annex A. Test & System Description

A.1 Measurement system

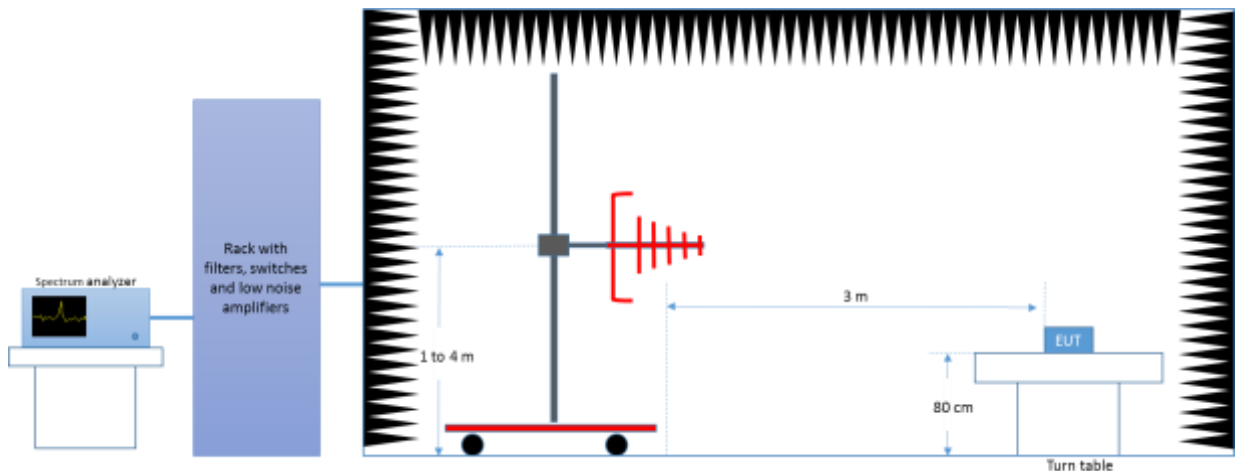
Measurements were performed using the following setups.

The DUT was installed in a test fixture and this test fixture is connected to a laptop computer and AC/DC power adapter. The laptop computer was used to configure the EUT to continuously transmit at a specified output power using all different modes and modulation schemes.

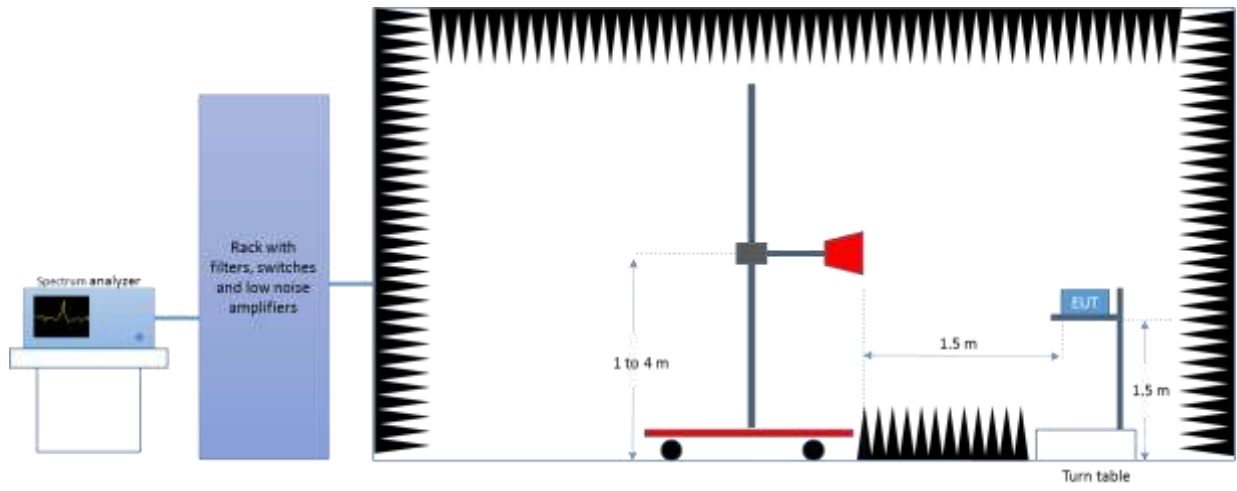
Conducted Setup



Radiated Setup < 1GHz



Radiated Setup > 1GHz



A.2 Test Equipment List

Conducted Setup

ID#	Device	Type/Model	Serial Number	Manufacturer	Cal. Date	Cal. Due Date
0033	Spectrum analyzer	FSV40	101072	Rohde & Schwarz	2014-01-30	2016-01-30

Radiated Setup

ID#	Device	Type/Model	Serial Number	Manufacturer	Cal. Date	Cal. Due Date
0133	Spectrum analyzer	FSV40	101358	Rohde & Schwarz	2014-05-09	2016-05-09
0137	Log antenna 30 MHz – 1 GHz	3142E	00156946	ETS Lindgren	2014-03-05	2016-03-05
0138	Horn antenna 1 GHz – 6.4 GHz	3117	00152266	ETS Lindgren	2014-03-04	2016-03-04
0141	Horn Antenna 6.4 GHz – 18 GHz	3117-PA	00157736	ETS Lindgren	2014-06-03	2016-06-03
0248	Horn Antenna 1 GHz – 18 GHz	3117-PA	00167062	ETS Lindgren	2014-08-13	2016-08-13
0139	Horn Antenna 18GHz – 26GHz	114514	00167100	ETS Lindgren	2014-04-25	2016-04-25
0140	Horn Antenna 26GHz – 40GHz	120722	00169638	ETS Lindgren	2014-08-14	2016-08-14
0135	Anechoic chamber	FACT 3	RFD_FA_100	ETS Lindgren	2014-05-06	2016-05-06
0329	Measurement Software	EMC32	1300.7027.00 (100401)	Rohde & Schwarz	N/A	N/A
0133	Spectrum analyzer	FSV40	101358	Rohde & Schwarz	2014-05-09	2016-05-09

A.3 Measurement Uncertainty Evaluation

The system uncertainty evaluation is shown in the below table:

Measurement type	Uncertainty [±dB]
Conducted Power (power meter)	± 1.0
Conducted spurious emission	± 2.9
Radiated test < 1GHz	± 3.8
Radiated test 1GHz -26 GHz	± 4.7

Annex B. Test Results

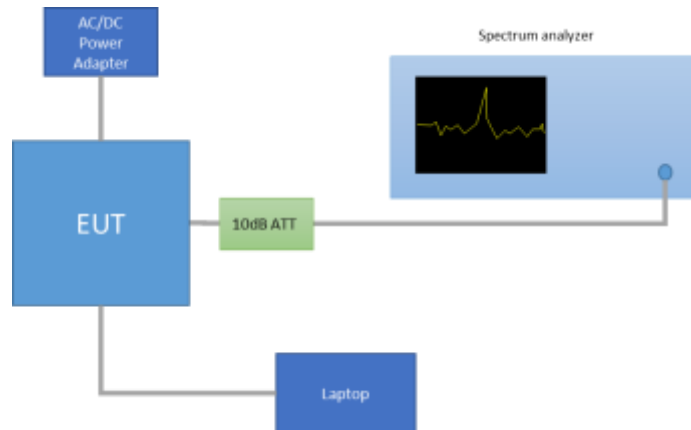
B.1 20dB Bandwidth and Carrier frequency separation

Test limits:

FCC part	RSS part	Limits
15.247 (a) (1)	RSS-247 Clause 5.1 (1) and (2)	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, 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, provided the systems operate with an output power no greater than 125 mW.

Test procedure:

The setup below was used to measure the 20dB Bandwidth and Carrier frequency separation. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

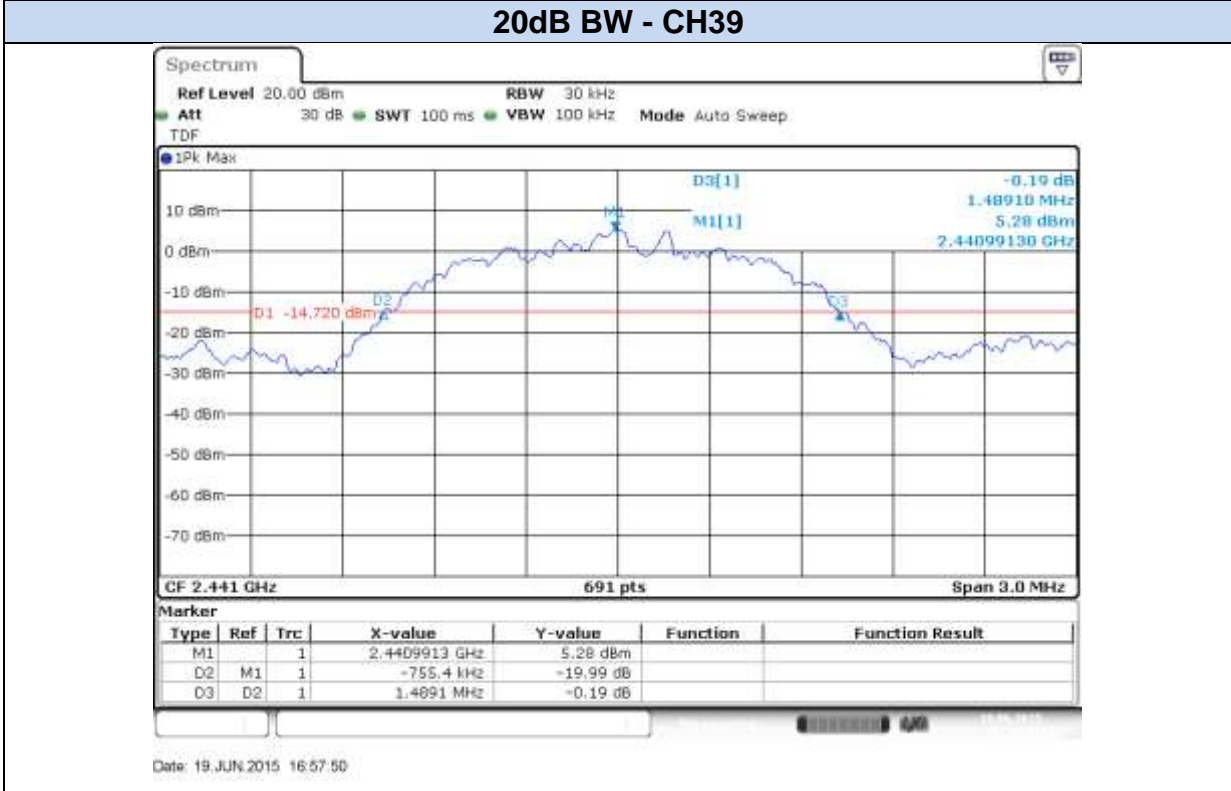
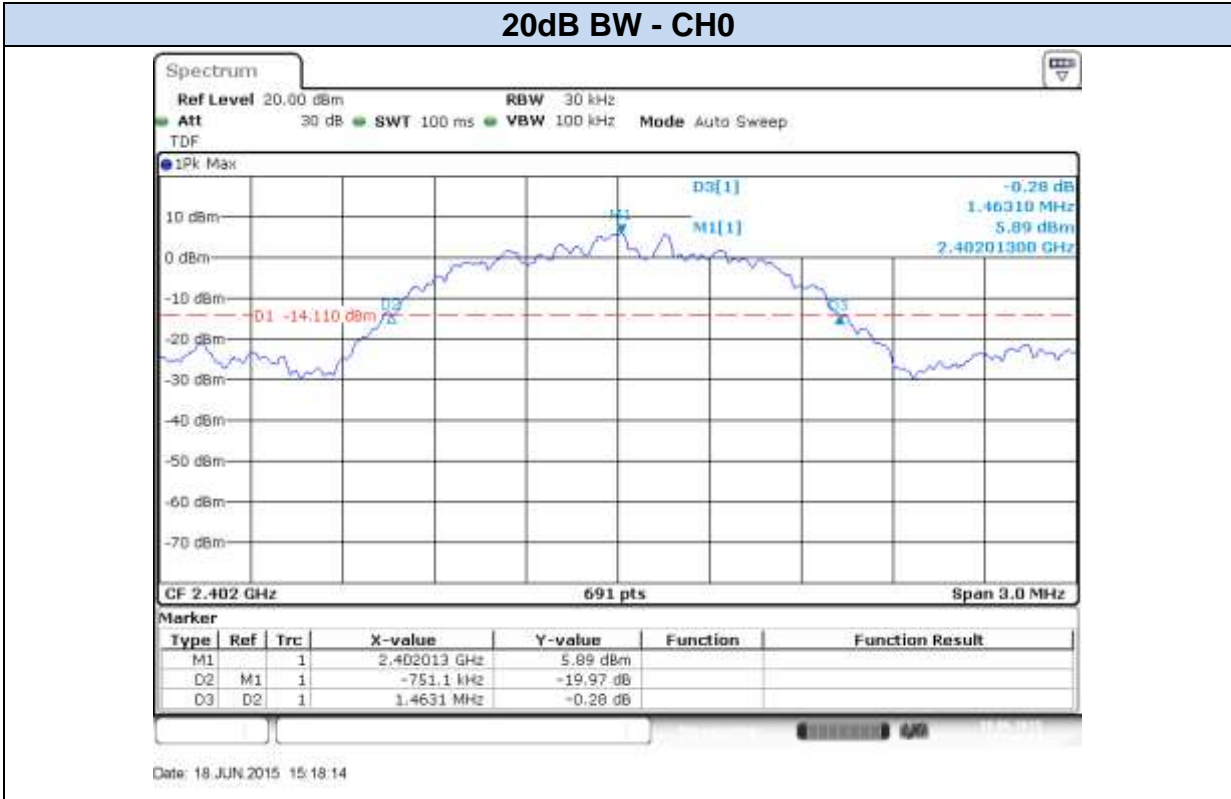


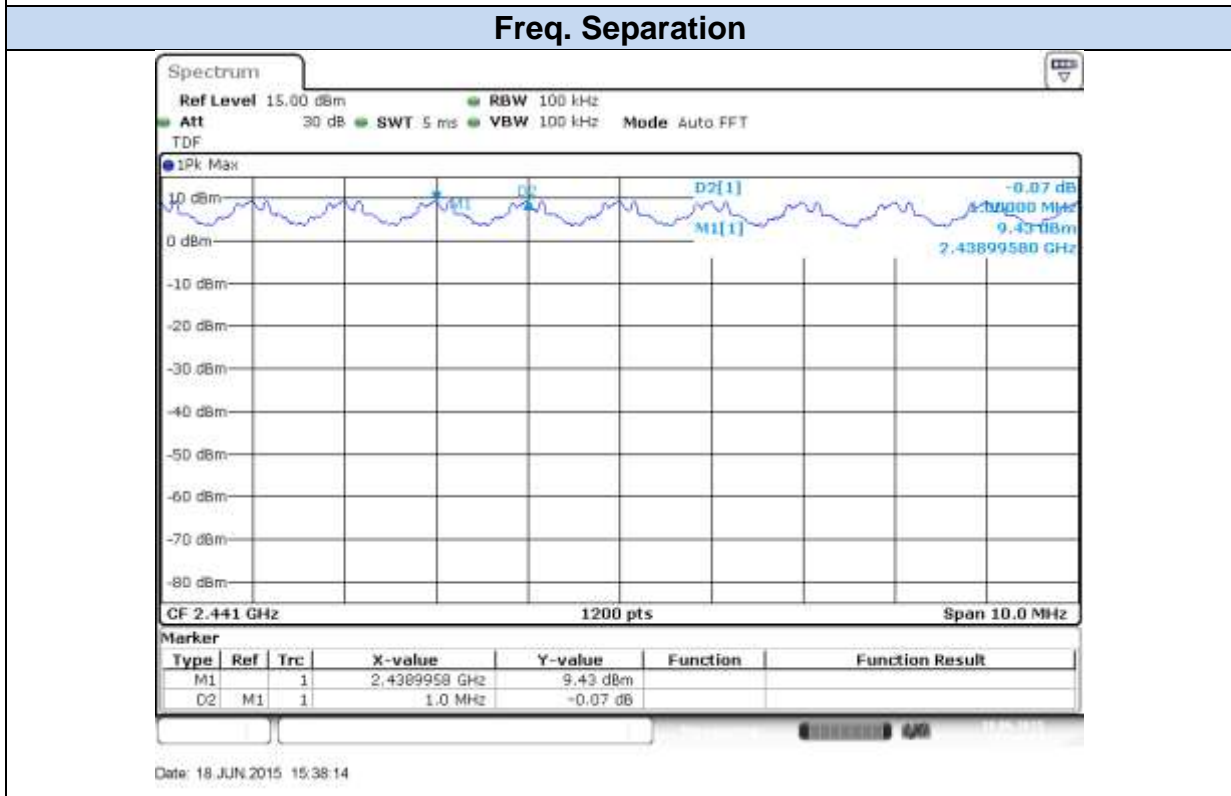
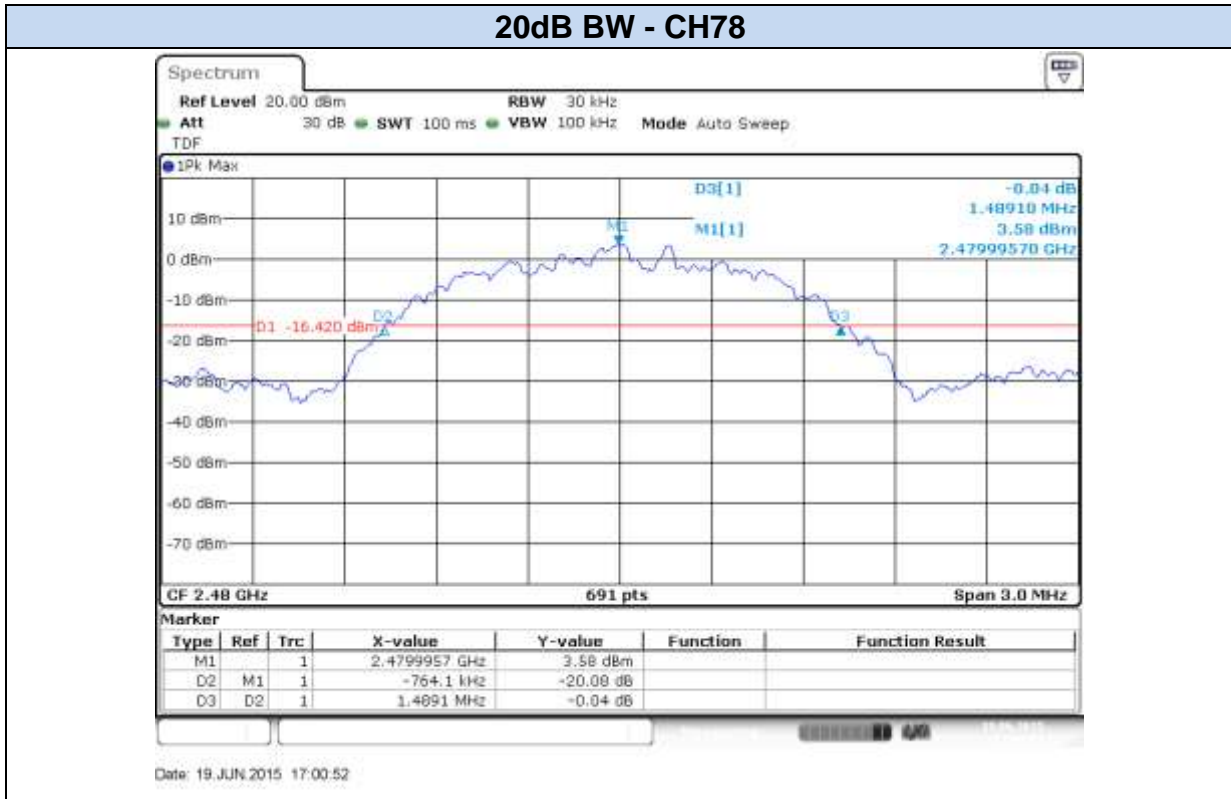
Results tables:

Mode	Channel Number	Frequency [MHz]	20dB BW [MHz]	Freq. Separation [kHz]
EDR $\pi/4$ -DQPSK	0	2402	1.463	1000.00
	39	2441	1.489	
	78	2480	1.489	
EDR 8-DPSK	0	2402	1.433	1000.00
	39	2441	1.437	
	78	2480	1.441	

Results screenshot:

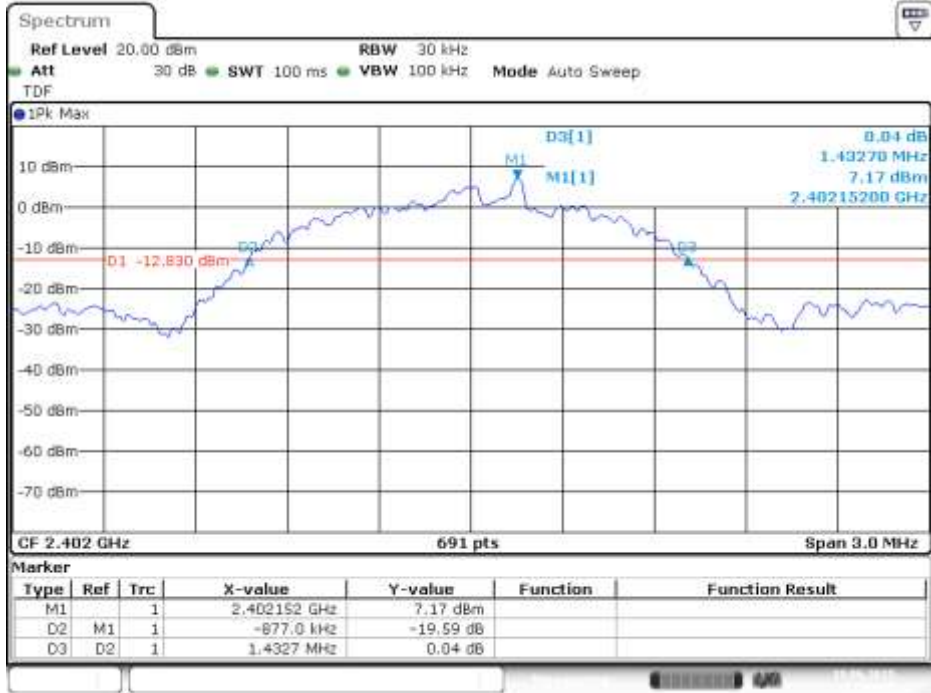
EDR – $\pi/4$ -DQPSK





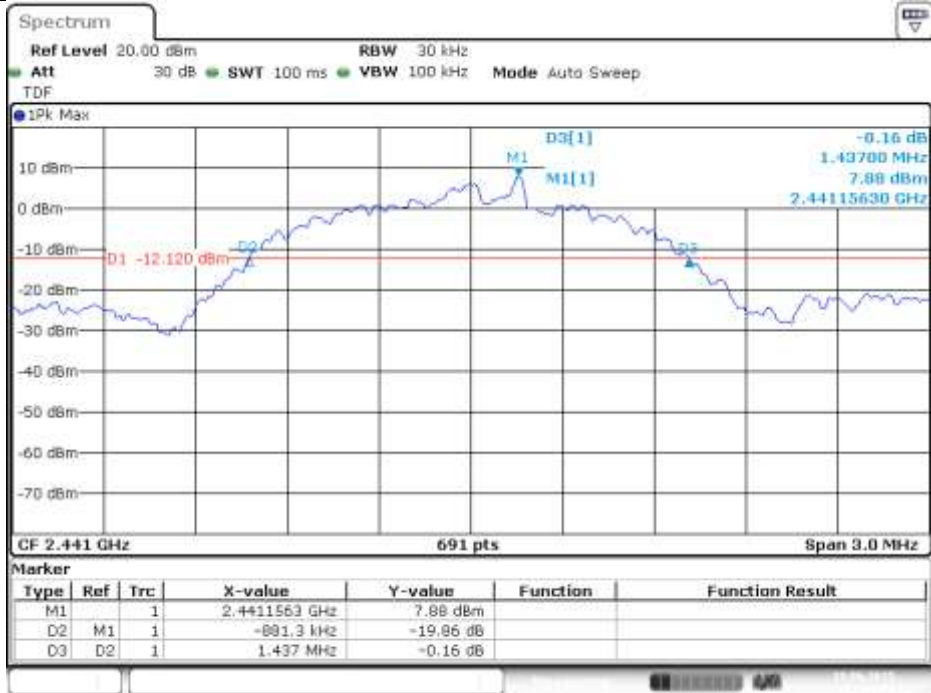
EDR – 8-DPSK

20dB BW - CH0

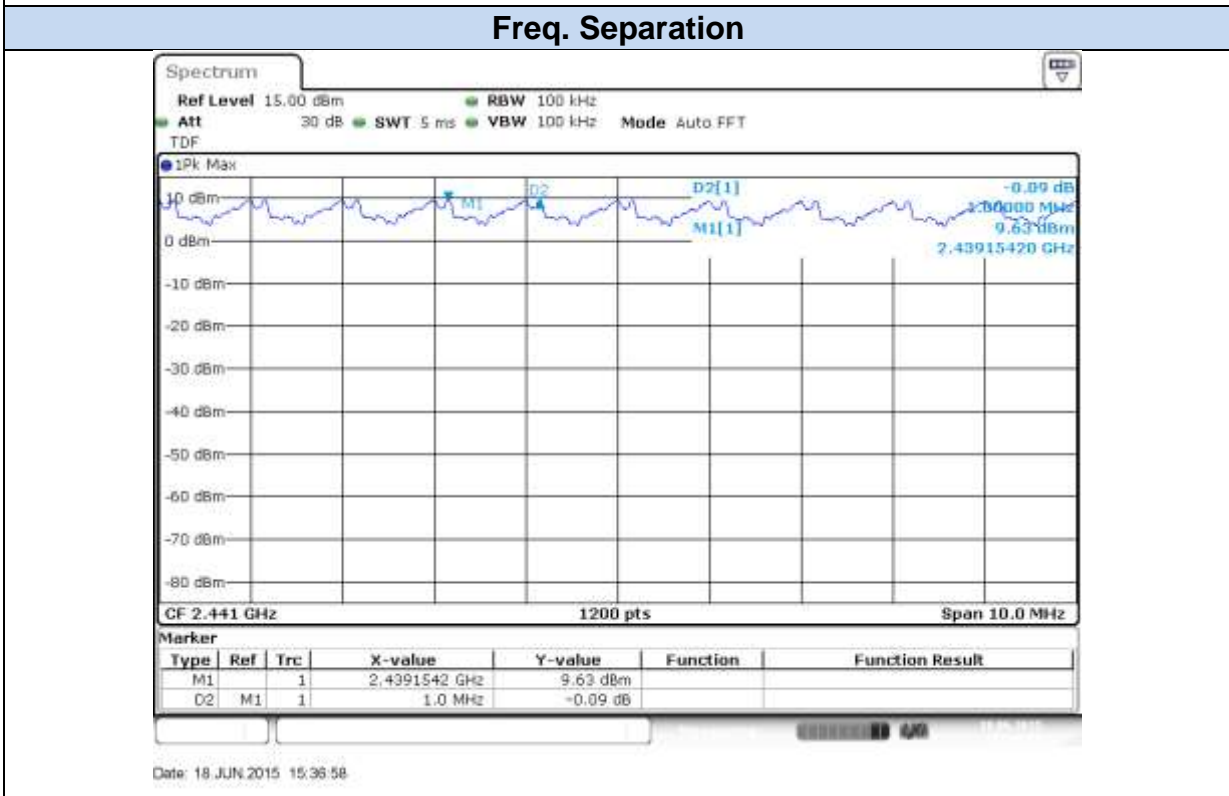
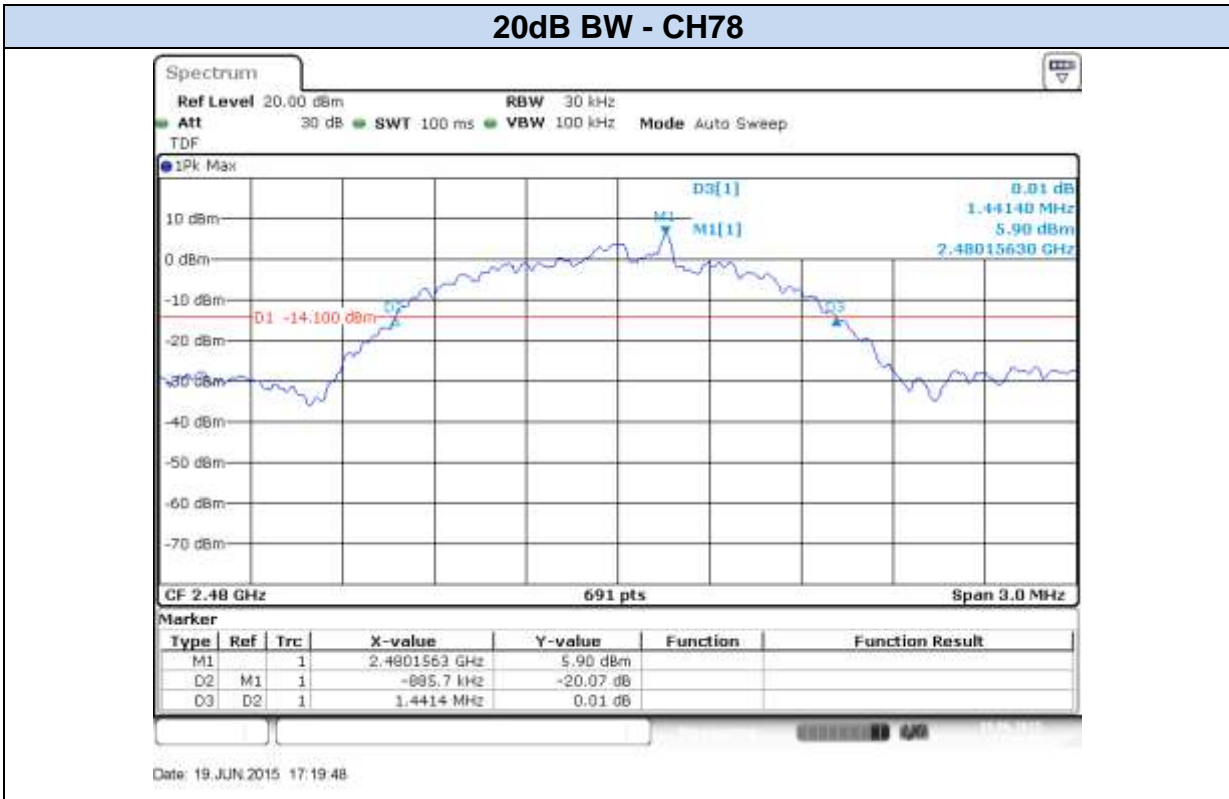


Date: 19 JUN 2015 17:05:45

20dB BW - CH39



Date: 19 JUN 2015 17:14:23



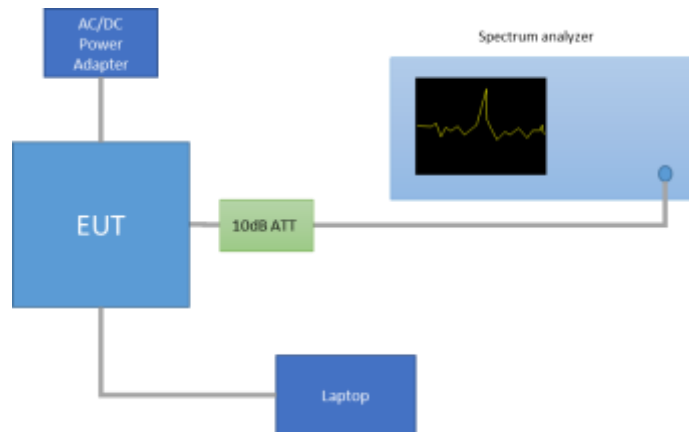
B.2 Number of hopping channels

Test limits:

FCC part	RSS part	Limits
15.247 (a) (1) (iii)	RSS-247 Clause 5.1 (4)	Frequency hopping systems in the 2400-2483.5 MHz band shall use at least 15 channels.

Test procedure:

The setup below was used to measure the number of hopping channels. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

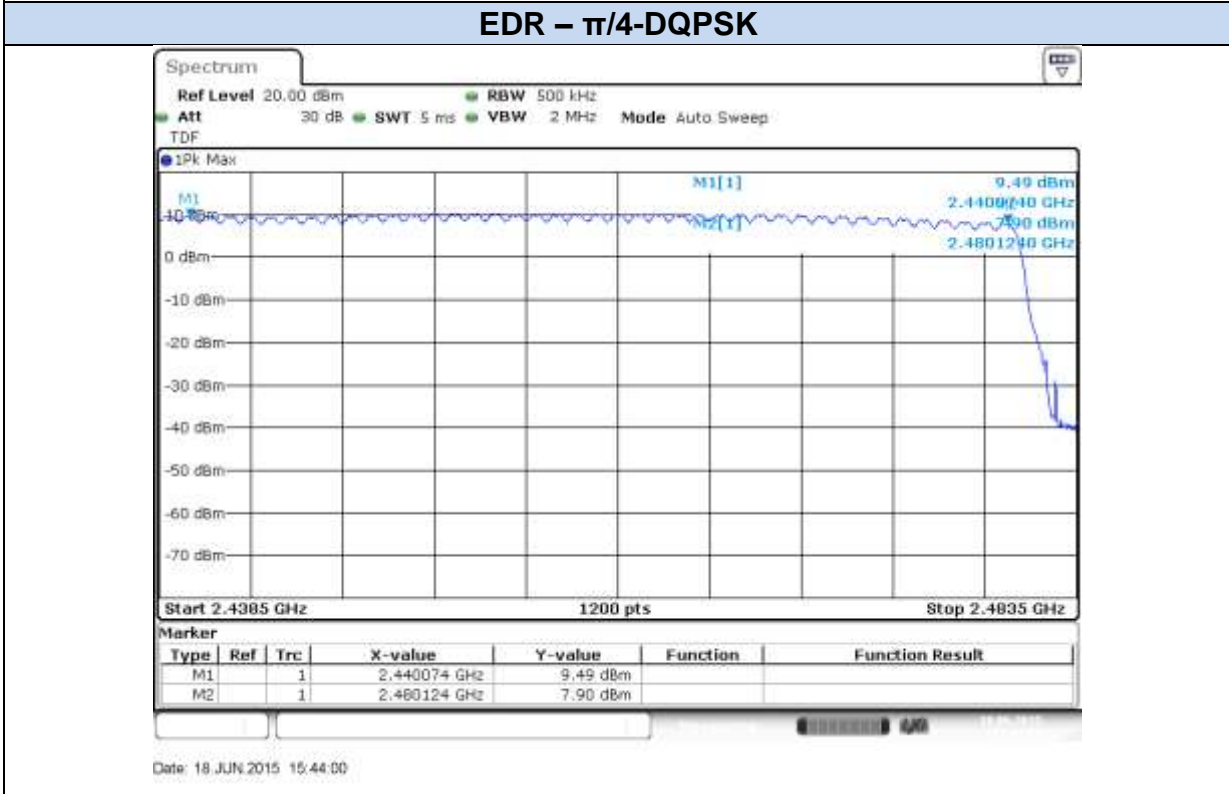
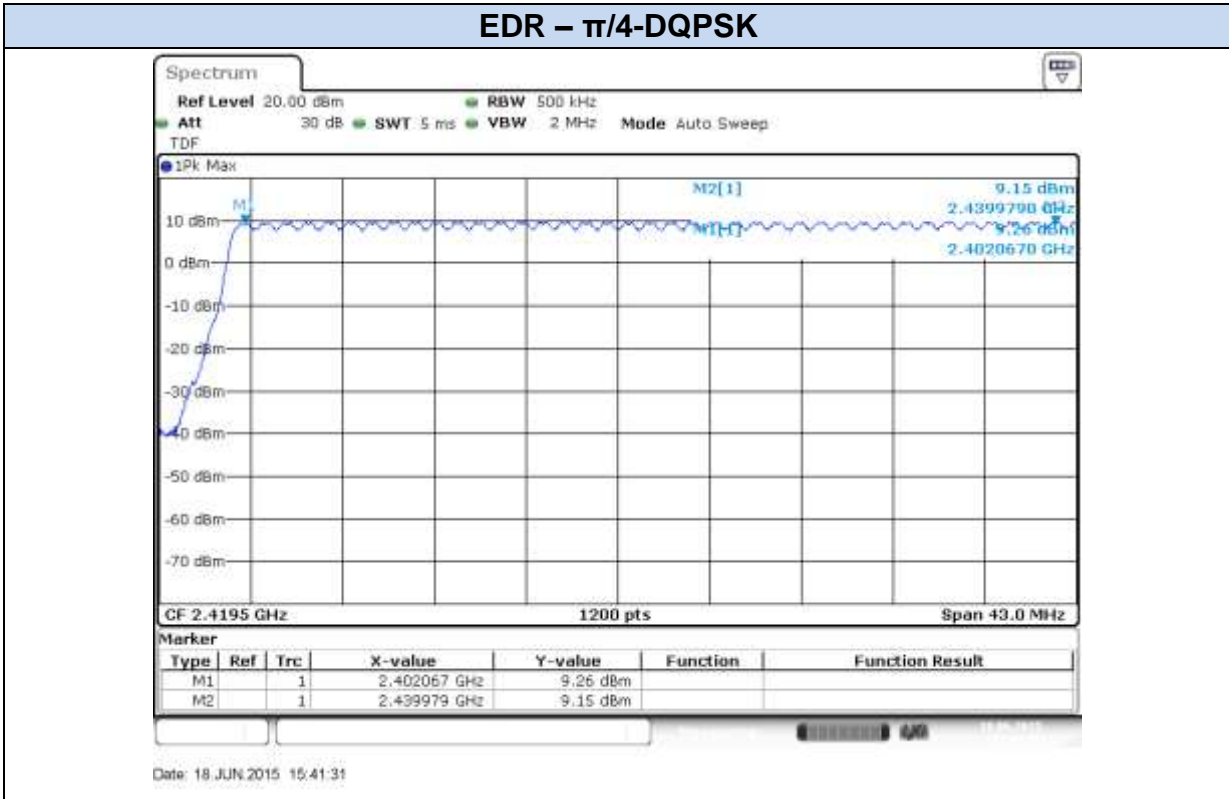


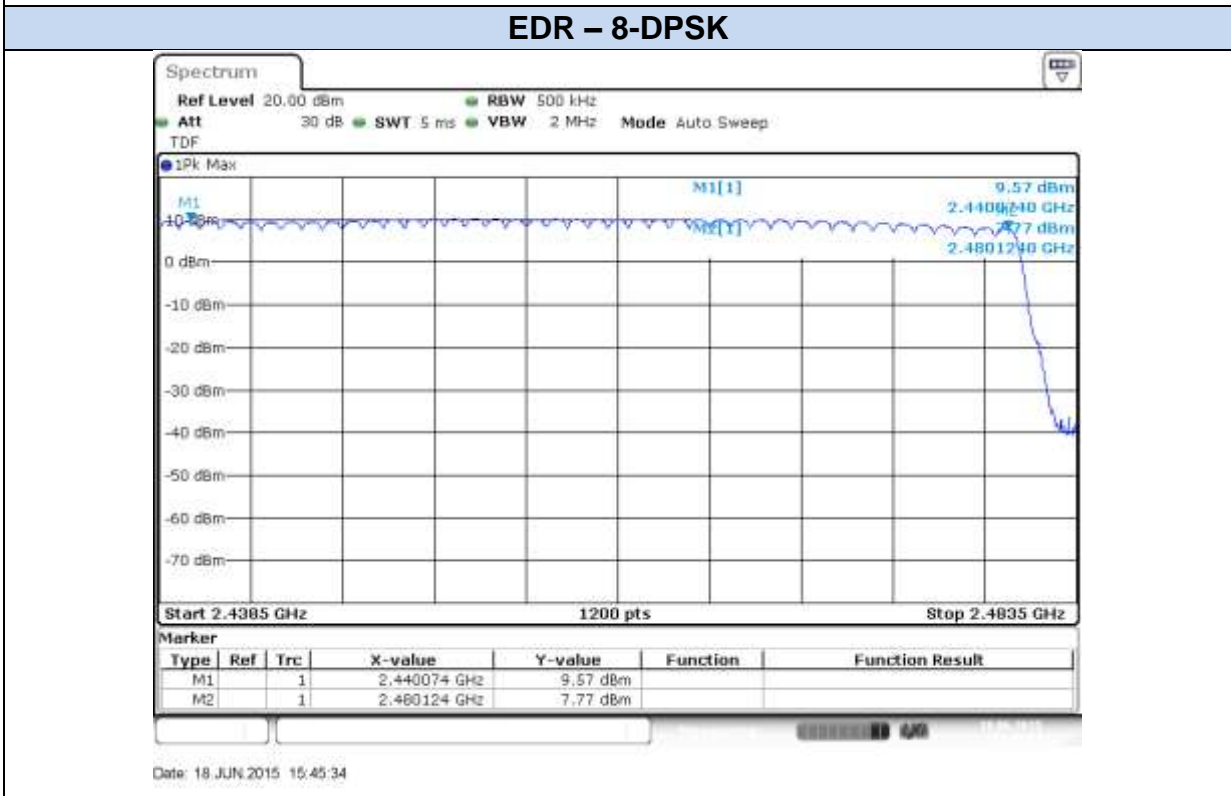
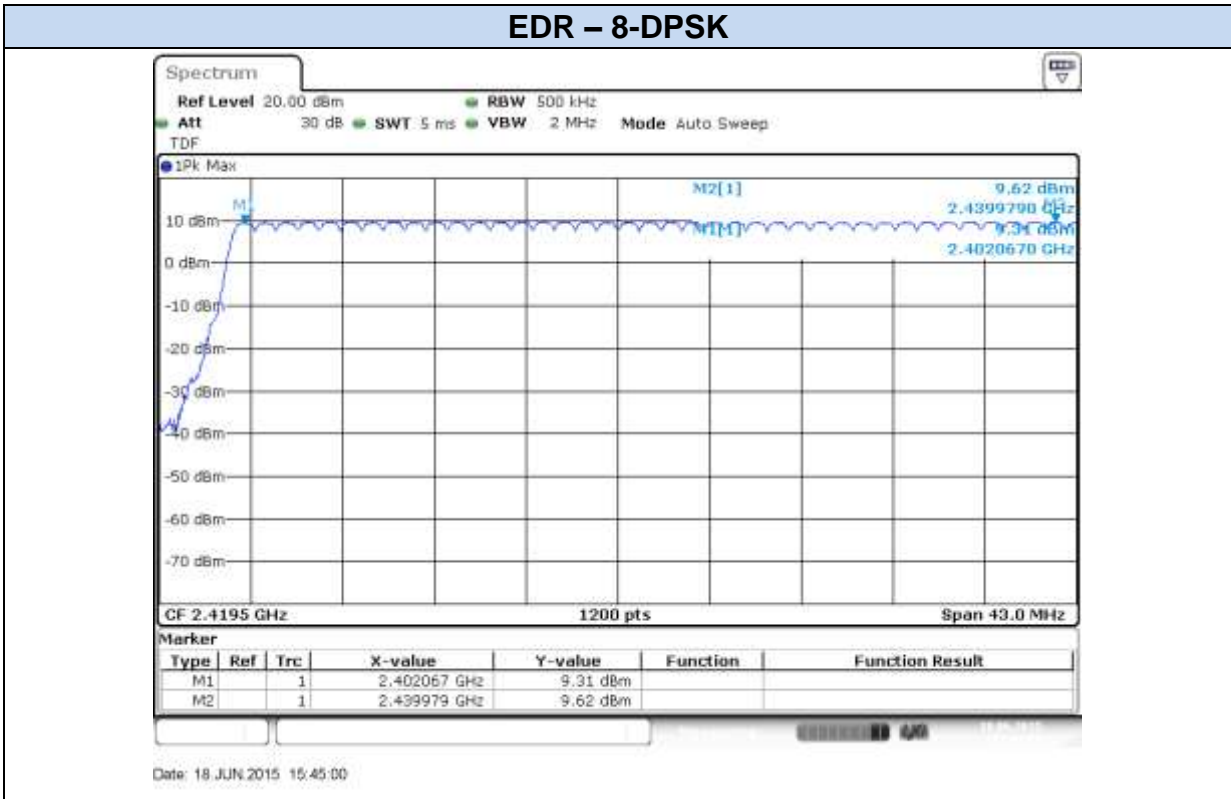
Results tables:

Mode	Number of hopping channels
EDR $\pi/4$ -DQPSK	79
EDR 8-DPSK	79

Results screenshot:

Number of hopping channels





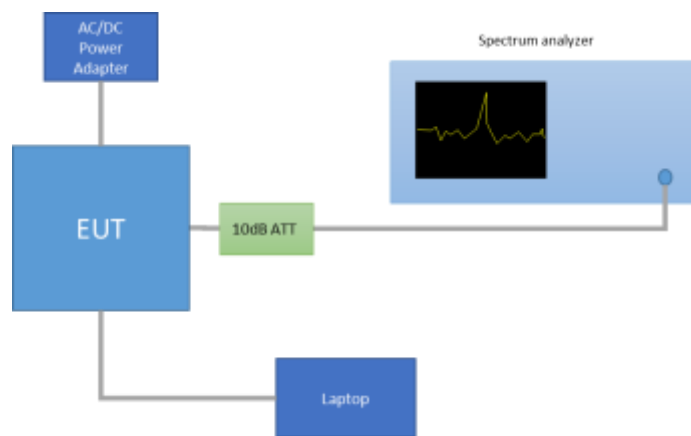
B.3 Time of Occupancy (Dwell Time)

Test limits:

FCC part	RSS part	Limits
15.247 (a) (1) (iii)	RSS-247 Clause 5.1 (4)	The average time of occupancy (Dwell Time) on any channel shall not be greater than 0.4 seconds within a period of 0.4 seconds multiplied by the number of hopping channels employed.

Test procedure:

The setup below was used to measure the dwell time. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.



In the worst case, the system makes 1600 hops per second with 79 channels, providing a 1 timeslot length of 625µs.

A DH1 packet, with independence of the modulation, needs 1 time slot for transmitting and 1 time slot for receiving. Then, the system makes in the worst case $1600/2 = 800$ hops per second with 79 channels. So each channel appears $800/79 = 10.13$ times per second and, for a period of $0.4 \times 79 = 31.6$ seconds, each channel appears $10.13 \times 31.6 = 320.11$ times.

A DH3 packet, with independence of the modulation, needs 3 time slots for transmitting and 1 time slot for receiving. Then, the system makes in the worst case $1600/4 = 400$ hops per second with 79 channels. So each channel appears $400/79 = 5.1$ times per second and, for a period of $0.4 \times 79 = 31.6$ seconds, each channel appears $5.1 \times 31.6 = 161.16$ times.

A DH5 packet, with independence of the modulation, needs 5 time slots for transmitting and 1 time slot for receiving. Then, the system makes in the worst case $1600/6 = 266.67$ hops per second with 79 channels. So each channel appears $266.67/79 = 3.37$ times per second and, for a period of $0.4 \times 79 = 31.6$ seconds, each channel appears $3.37 \times 31.6 = 106.49$ times.

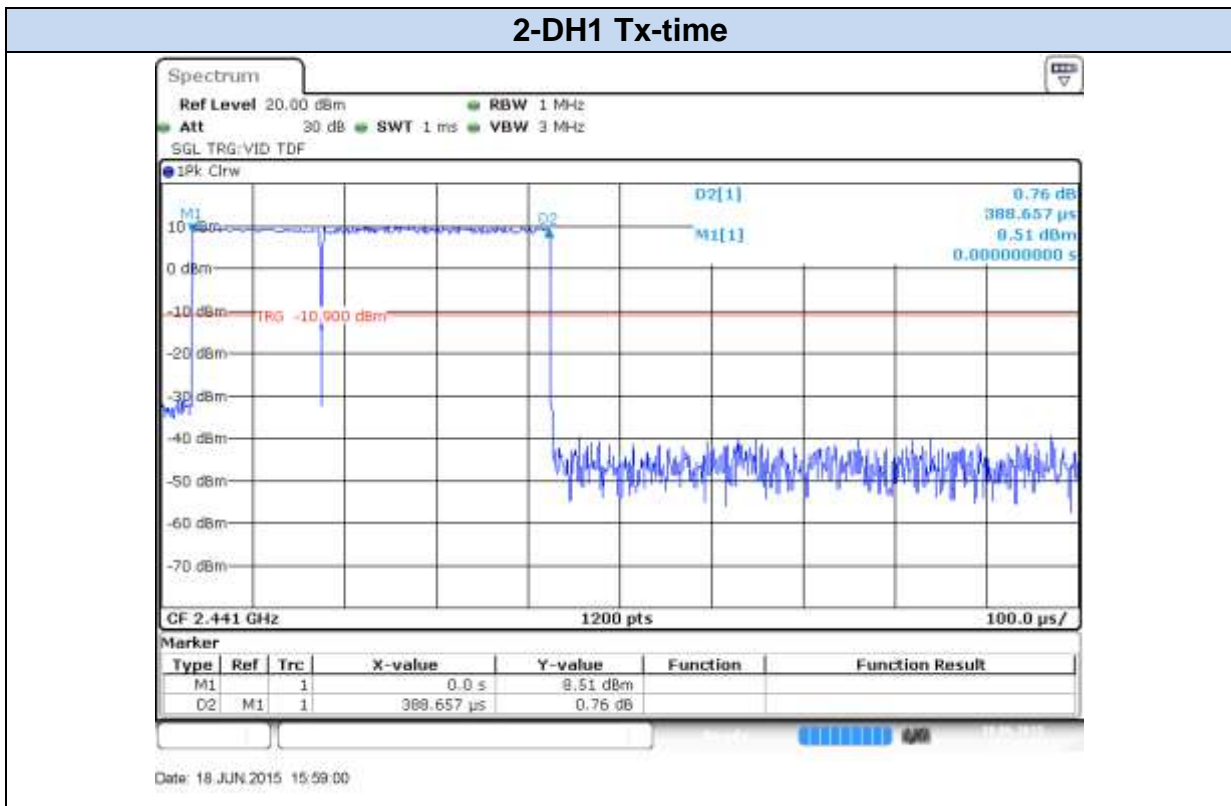
Thus, the total time of occupancy is obtained by multiplying the calculated maximum number of appearances per packet type and the measured Tx-time, as shown in the results screenshots.

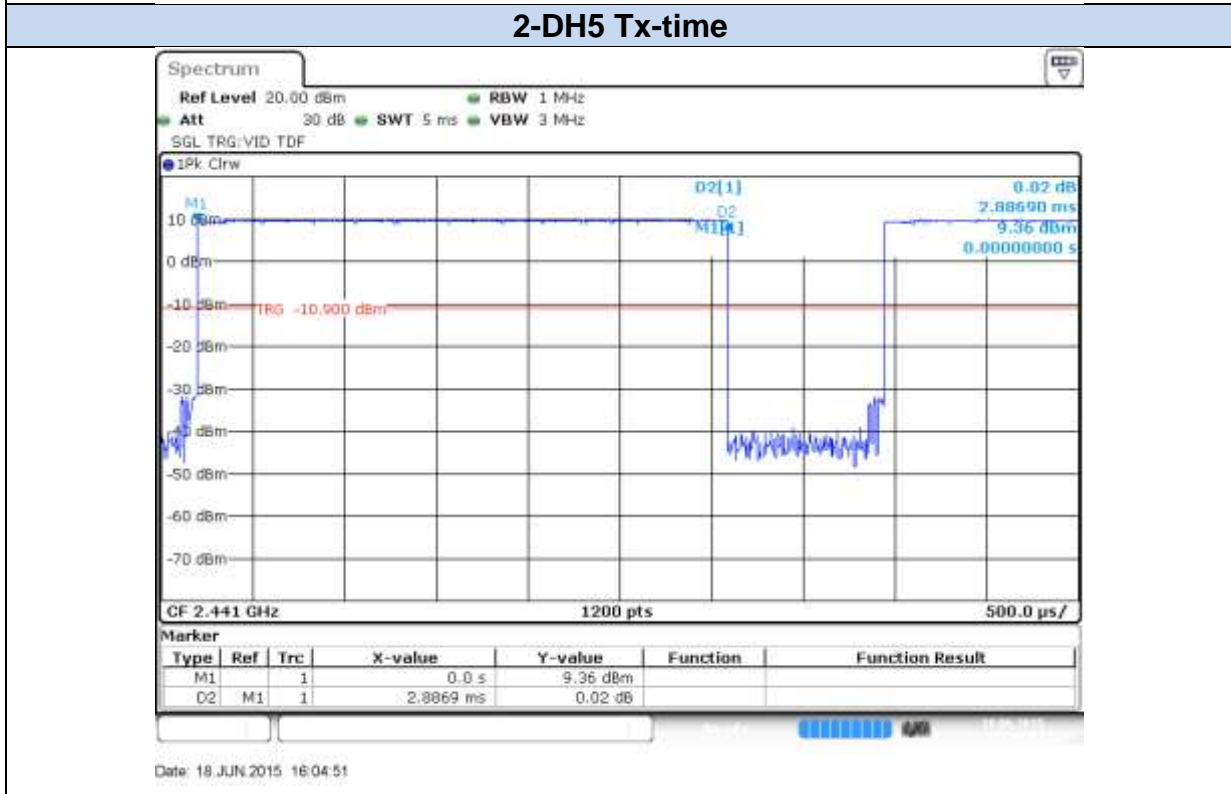
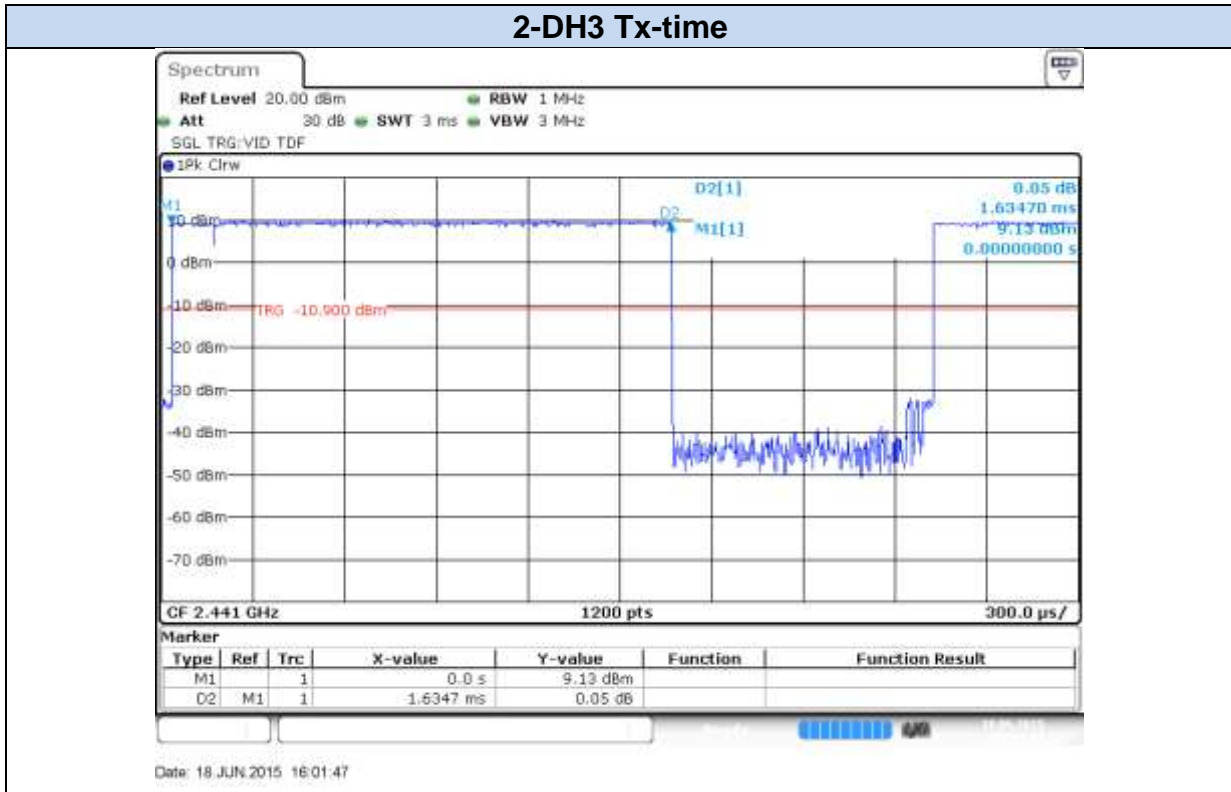
Results tables:

Mode	Packet Type	Times of appearance	Tx-time [ms]	Dwell Time [ms]
EDR $\pi/4$ -DQPSK	2-DH1	320.11	0.389	124.52
	2-DH3	161.16	1.635	263.50
	2-DH5	106.49	2.887	307.44
EDR 8-DPSK	3-DH1	320.11	0.390	124.84
	3-DH3	161.16	1.636	263.66
	3-DH5	106.49	2.887	307.44

Results Screenshot:

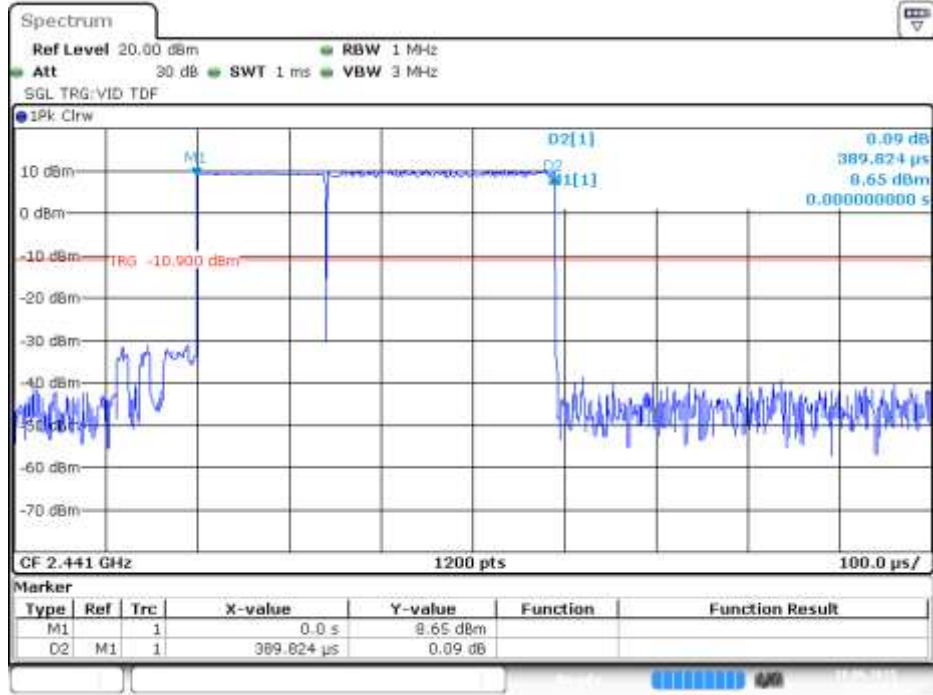
EDR – $\pi/4$ -DQPSK





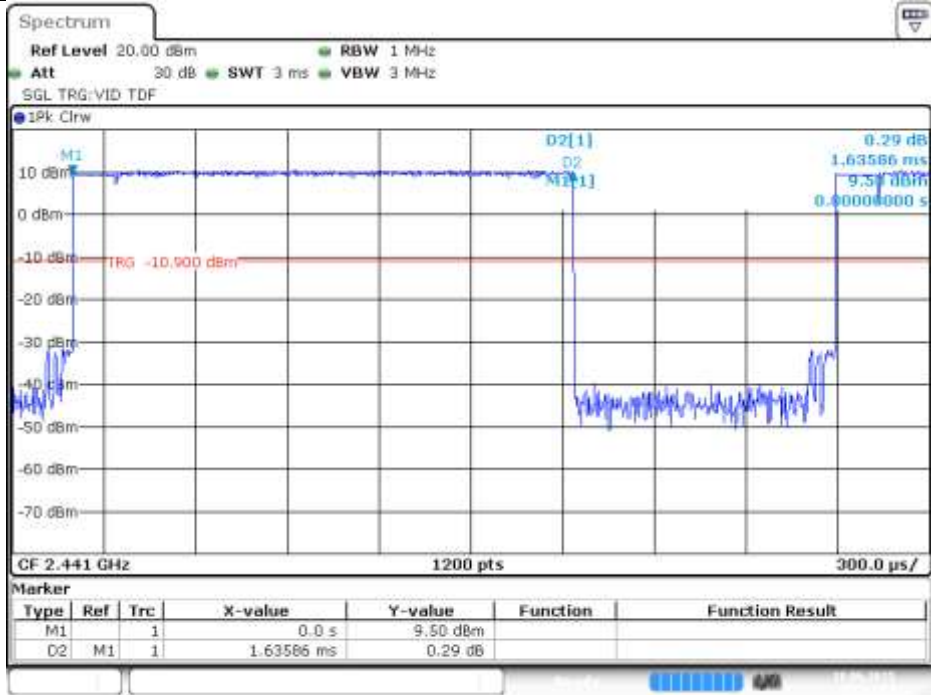
EDR – 8-DPSK

3-DH1 Tx-time

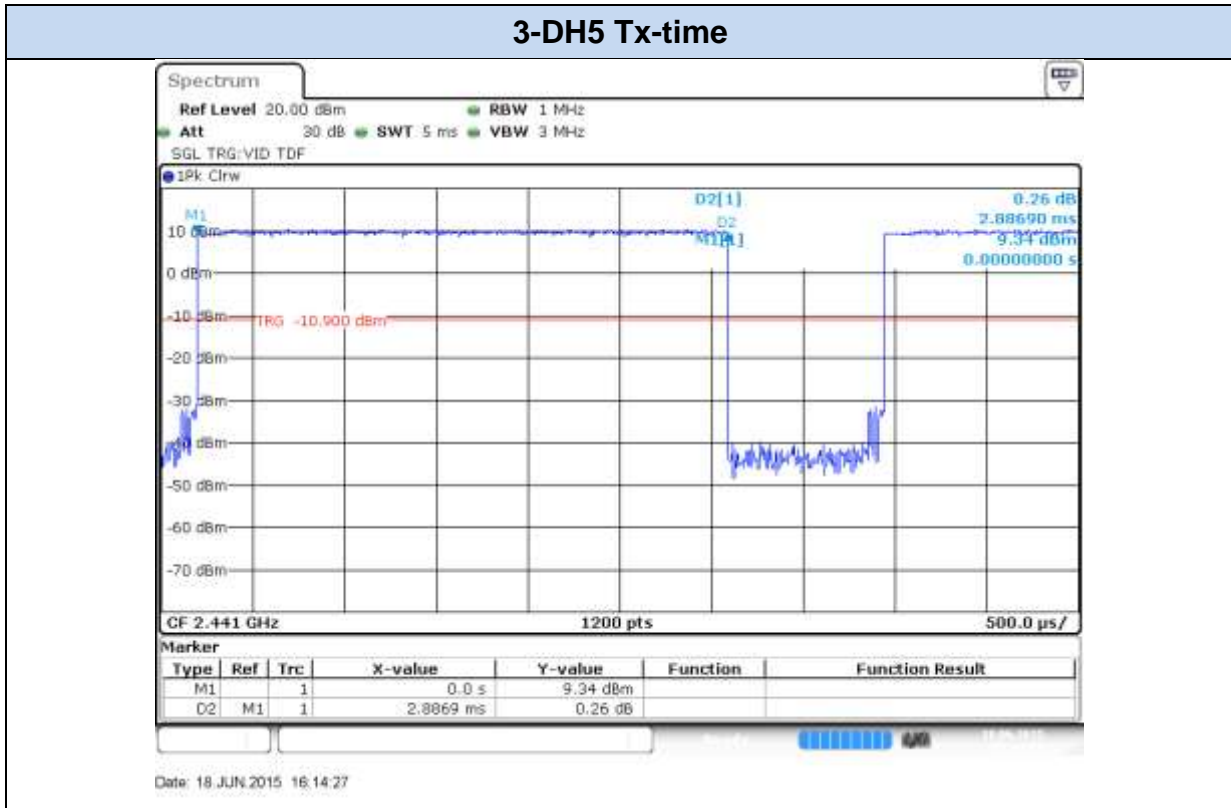


Date: 18 JUN 2015 16:06:14

3-DH3 Tx-time



Date: 18 JUN 2015 16:13:24



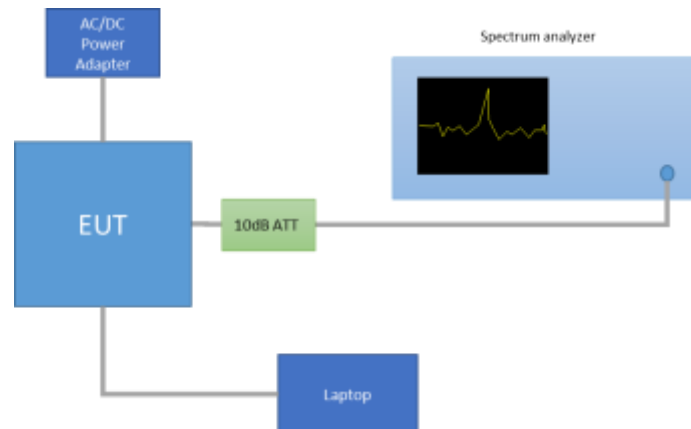
B.4 Maximum Peak Output Power and antenna gain

Test limits:

FCC part	RSS part	Limits
15.247 (b) (1)	RSS-247 Clause 5.4 (2)	<p>(b) The maximum peak conducted output power of the intentional radiator shall not exceed the following:</p> <p>(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. (...)</p> <p>(4) The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi.</p>

Test procedure:

The setup below was used to measure the maximum peak output power. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.



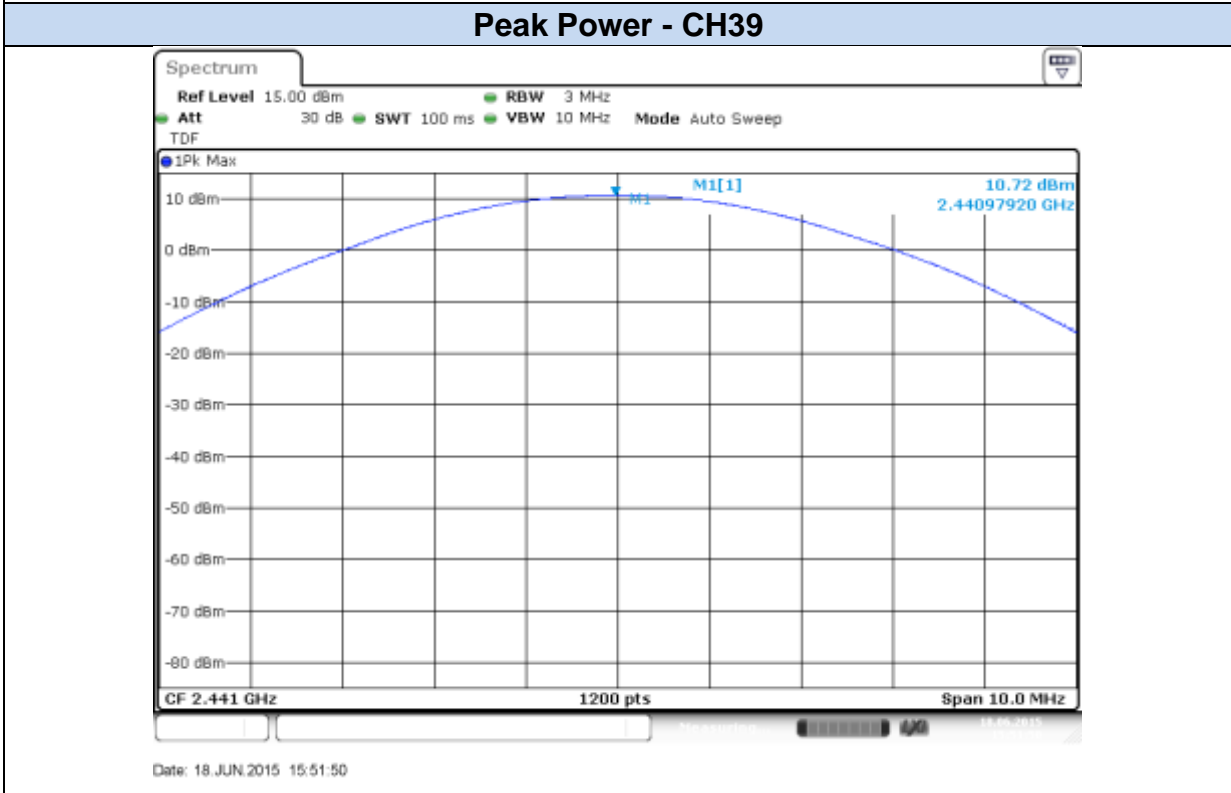
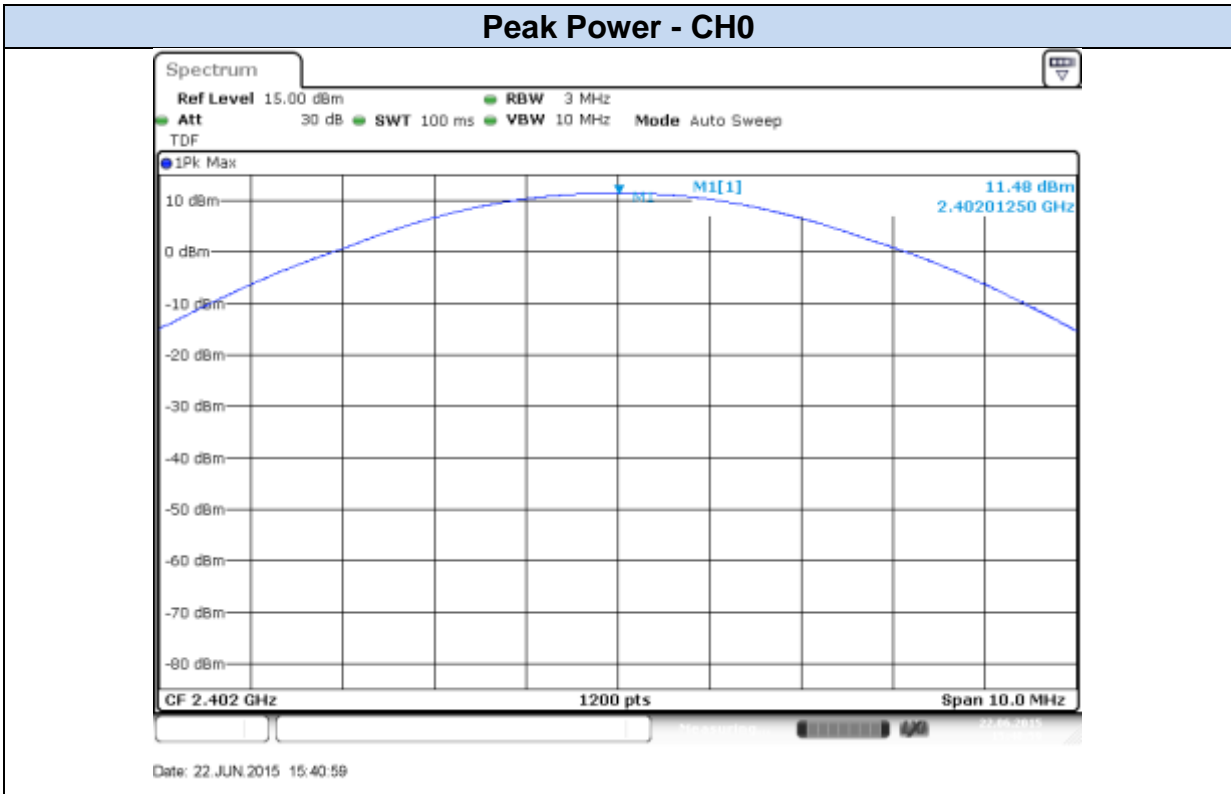
The declared maximum antenna gain is 3.24dBi.

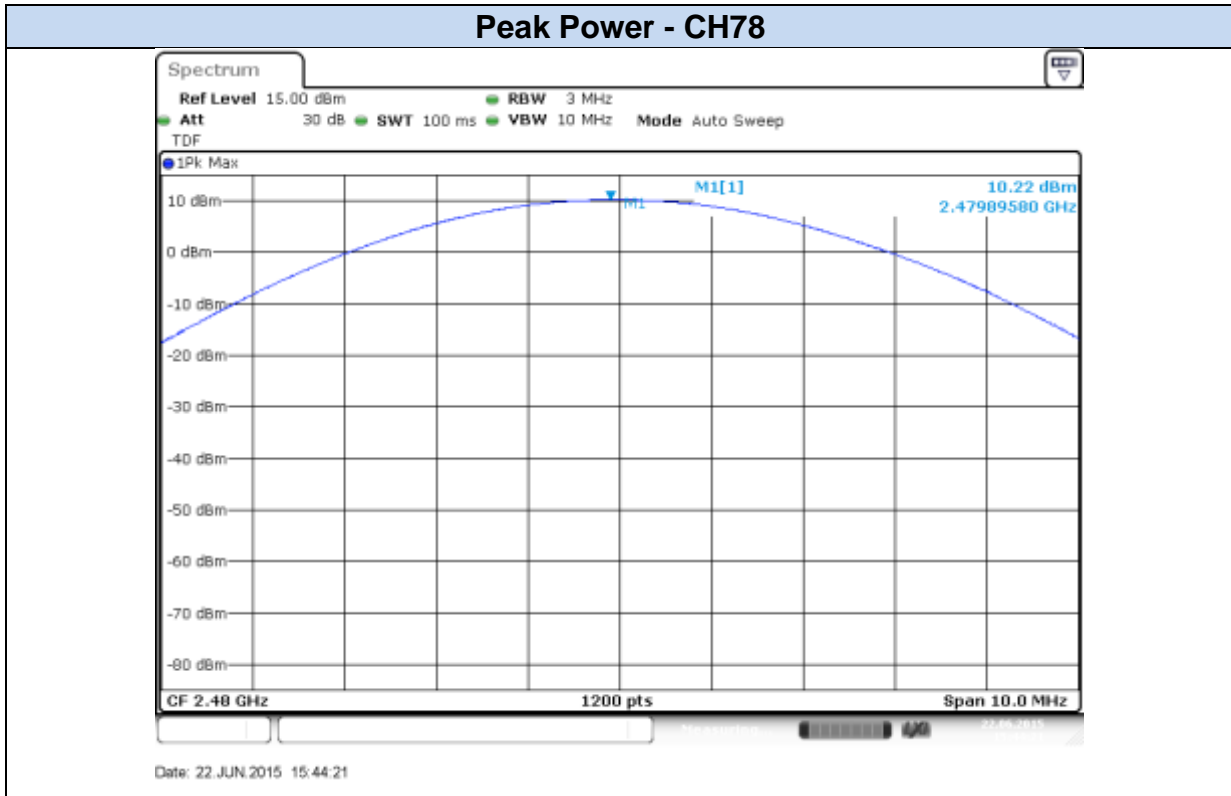
Results tables:

Mode	Channel Number	Frequency [MHz]	Peak Power [dBm]
EDR π/4-DQPSK	0	2402	11.48
	39	2441	10.72
	78	2480	10.22
EDR 8-DPSK	0	2402	11.11
	39	2441	10.82
	78	2480	10.31

Results Screenshot:

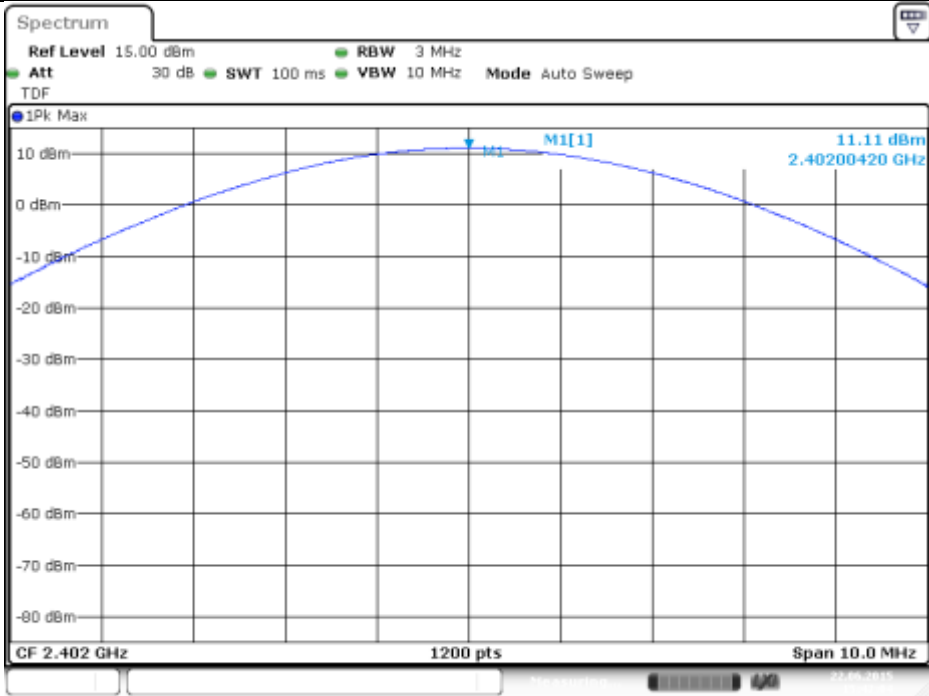
EDR – $\pi/4$ -DQPSK





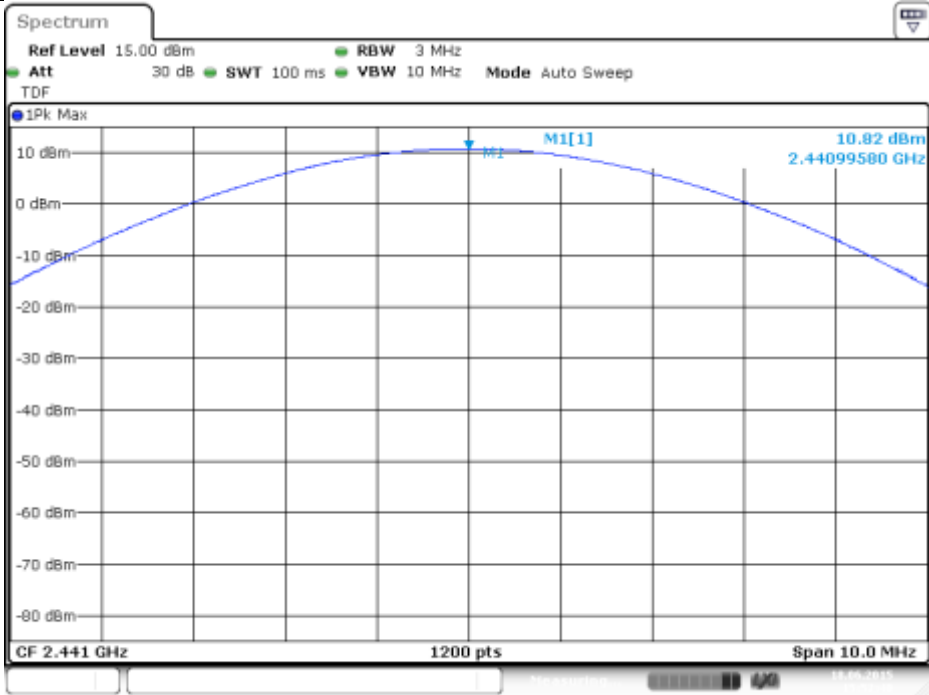
EDR – 8-DPSK

Peak Power - CH0

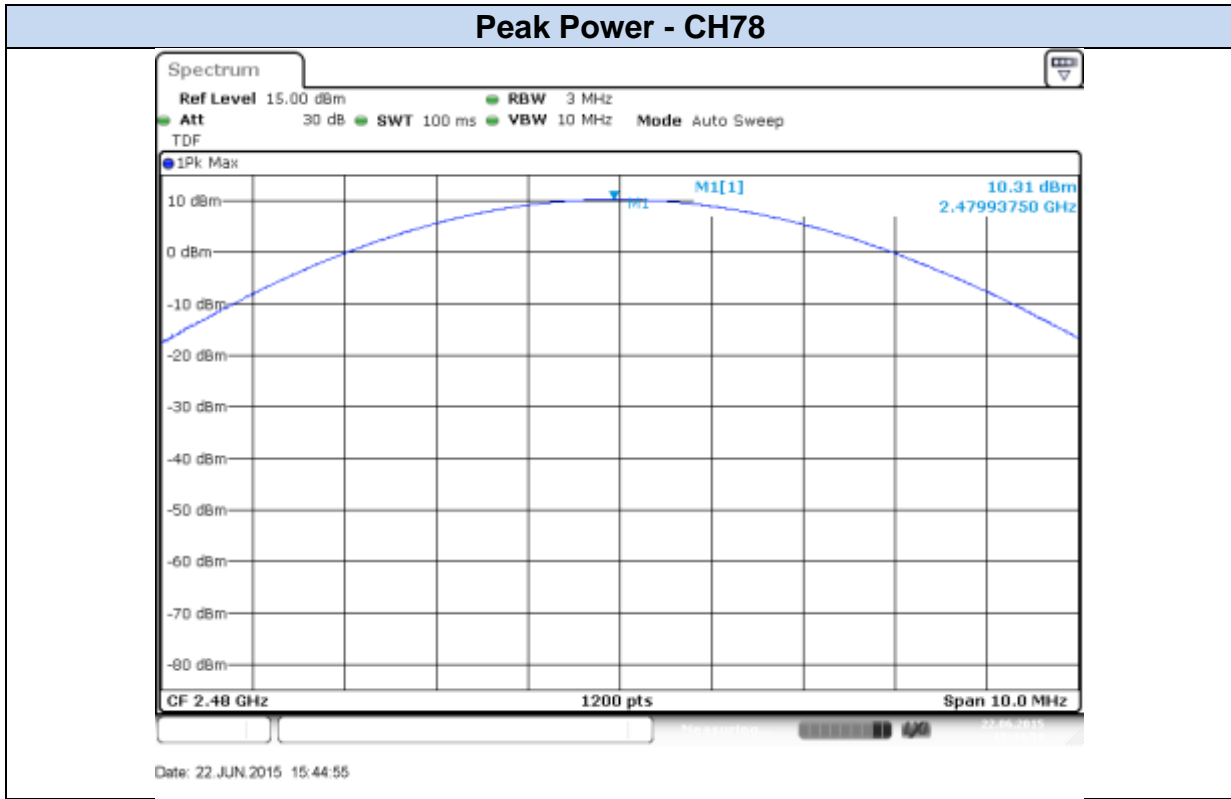


Date: 22 JUN 2015 15:42:05

Peak Power - CH39



Date: 18 JUN 2015 15:52:48



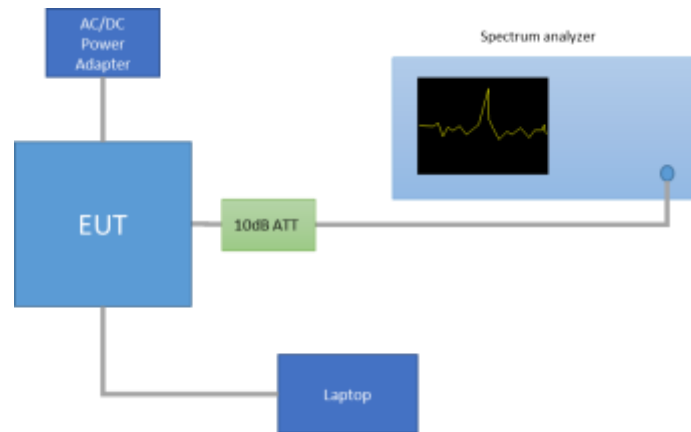
B.5 Out-of-band emissions (conducted)

Test limits:

FCC part	RSS part	Limits
15.247 (d)	RSS-247 Clause 5.5	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.

Test procedure:

The setup below was used to measure the maximum peak output power. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.



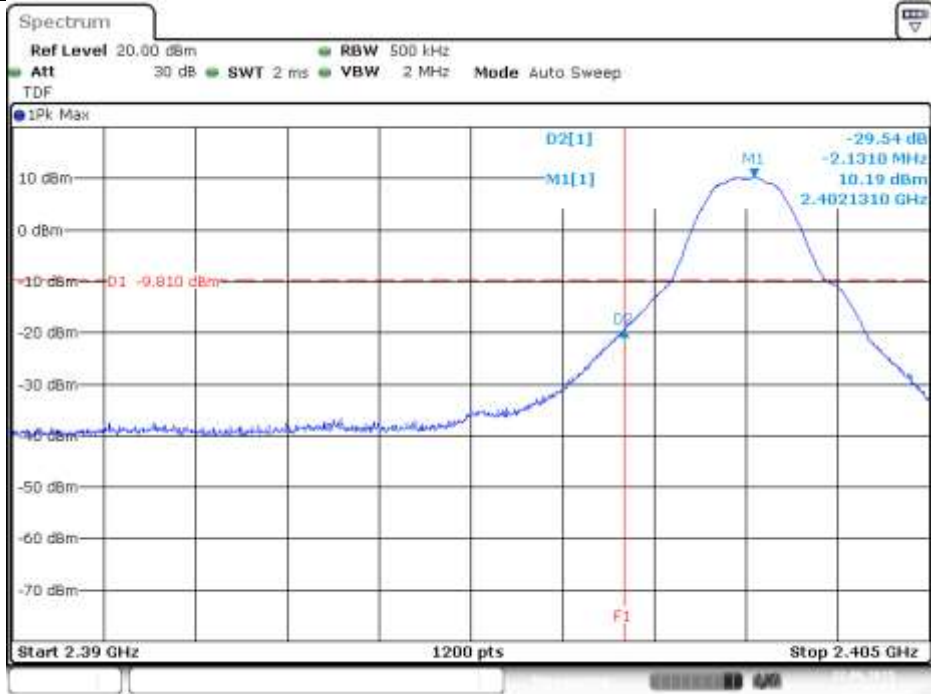
All values reported are converted in dBm, the table below shows the limits of the radiated emission (FCC part 15.209(a)) converted from dB μ V/m to dBm.

FCC part 15.209 (a)		Converted values	
Distance (m)	Field strength (microvolts/meter)	Field strength (dB microvolts/meter)	Power (dBm)
3	500	53.98	-41.2
3	200	46.02	-49.2
3	150	43.52	-51.7
3	100	40.00	-55.2

Band Edge results Screenshot:

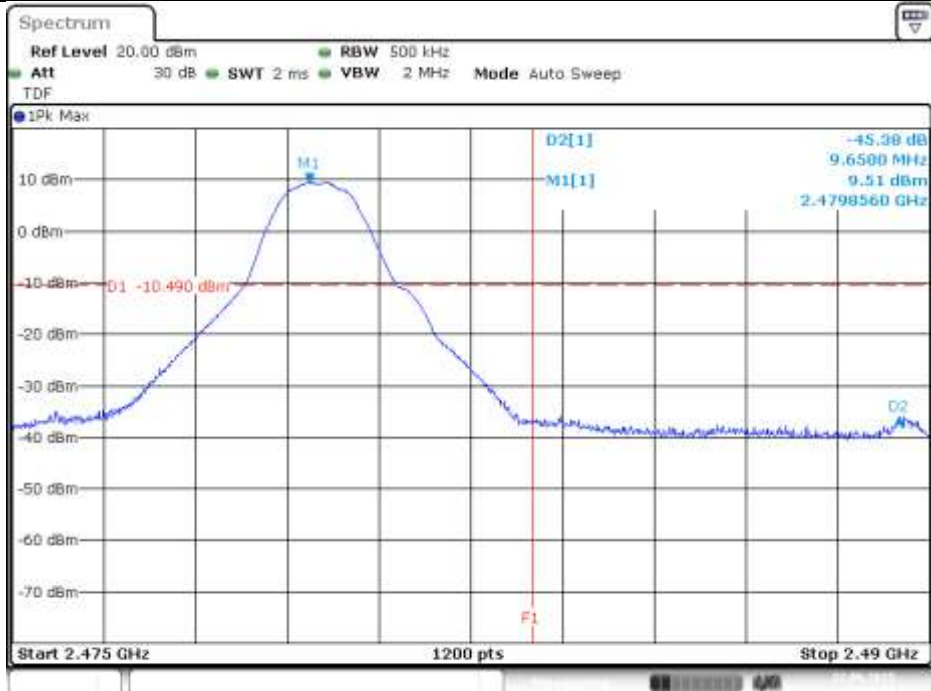
EDR – $\pi/4$ -DQPSK

BE Low Freq Section - CH0



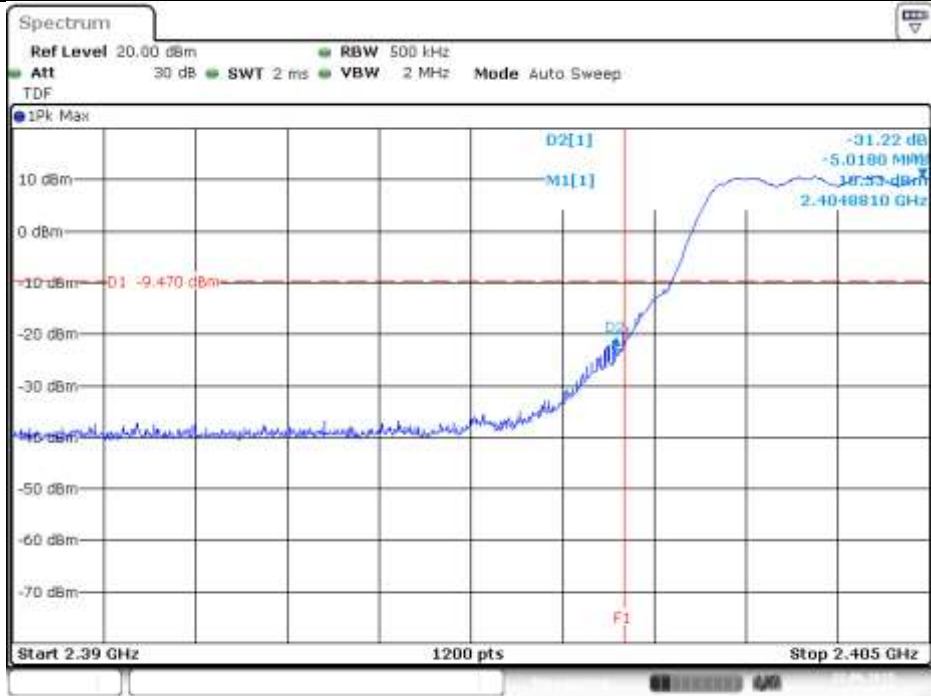
Date: 22 JUN 2015 17:05:38

BE High Freq Section - CH78



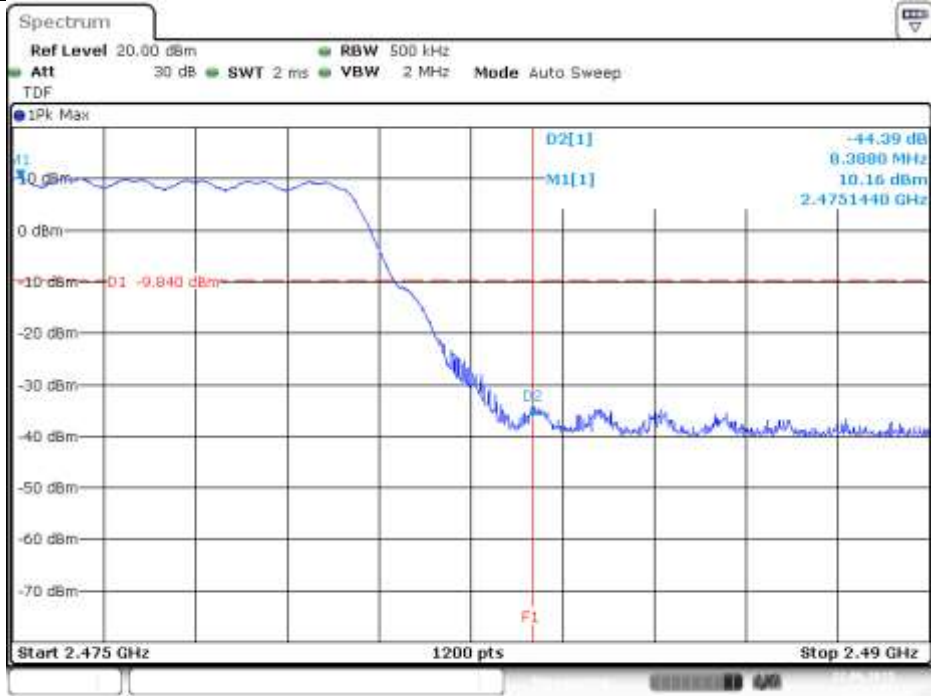
Date: 22 JUN 2015 17:08:42

BE Low Freq Section - Hopping



Date: 22 JUN 2015 17:16:25

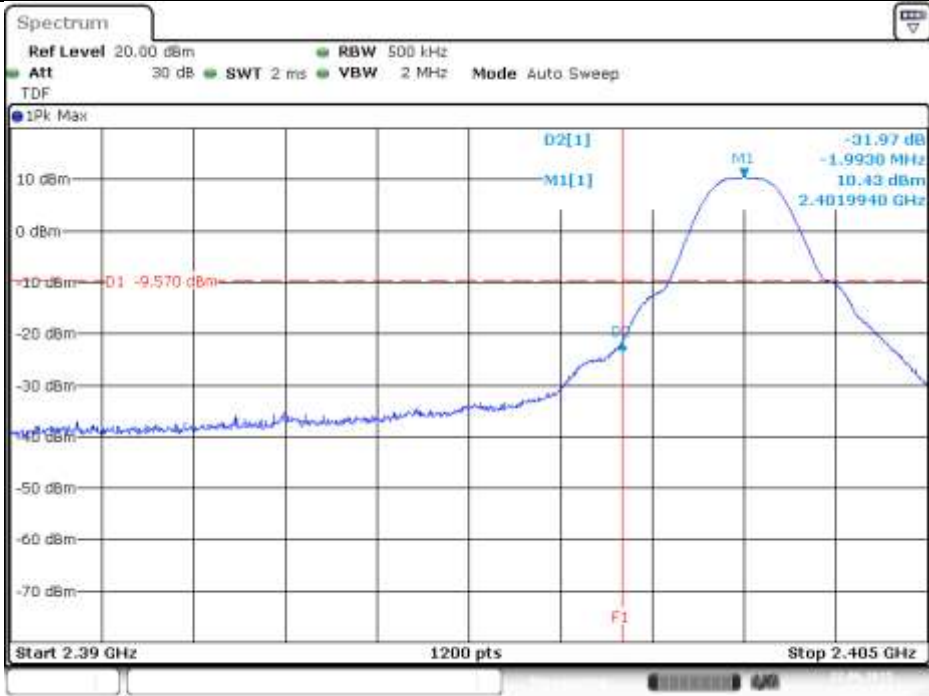
BE High Freq Section - Hopping



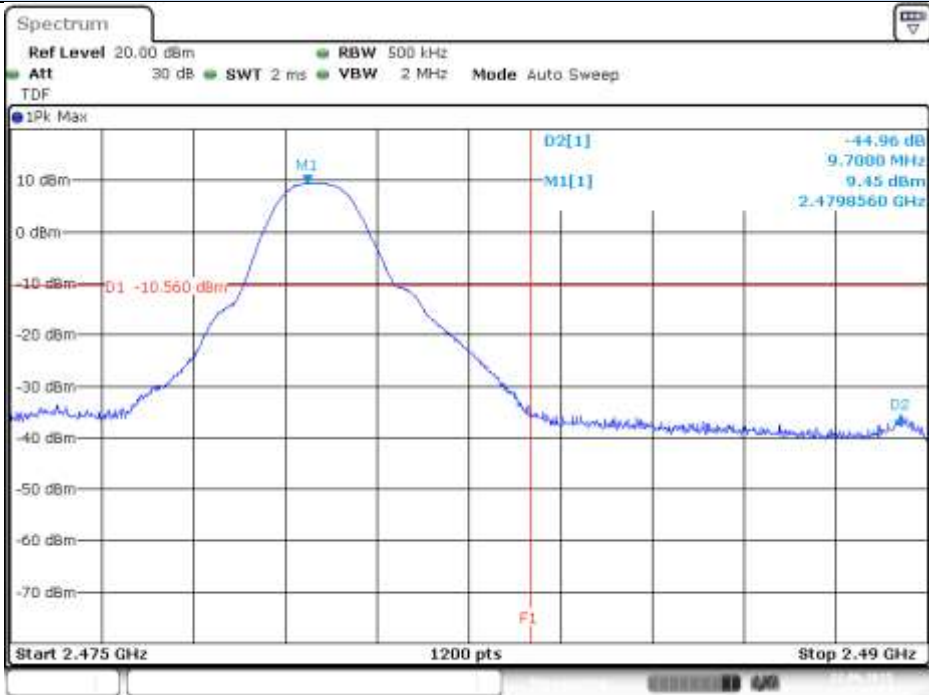
Date: 22 JUN 2015 17:13:56

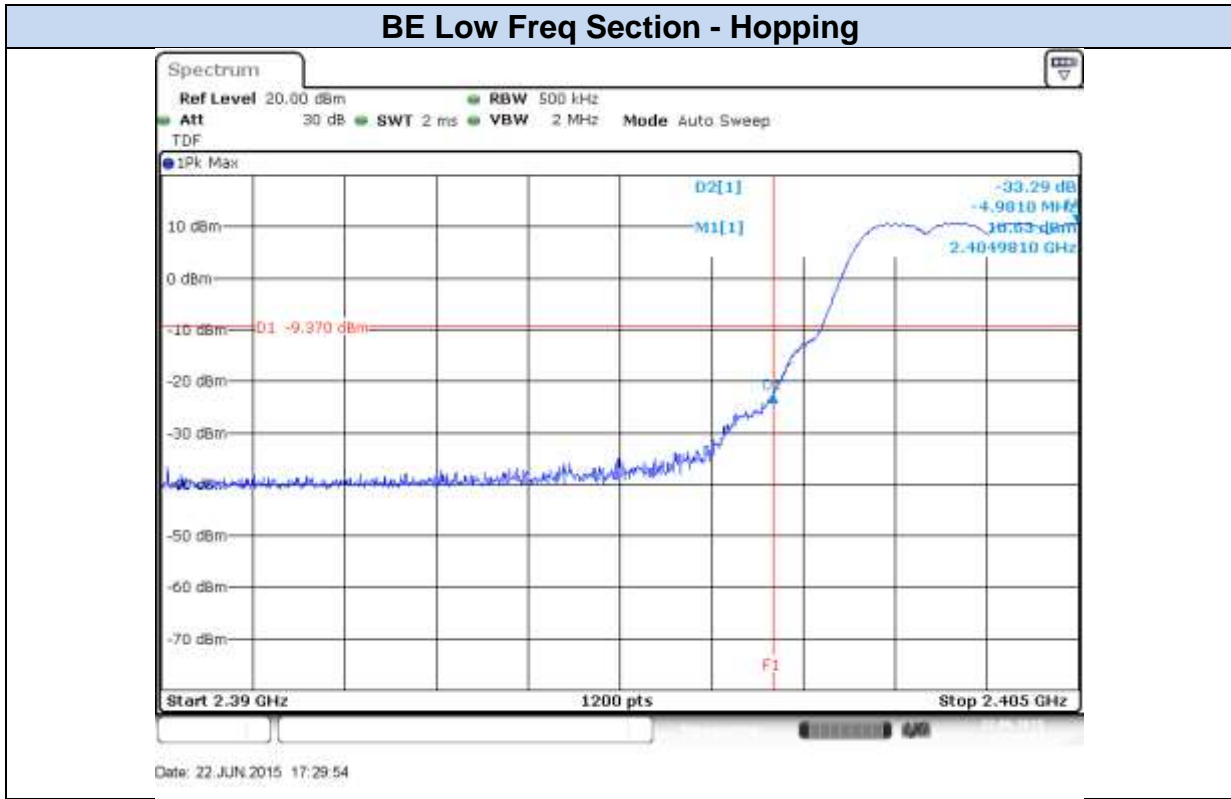
EDR – 8-DPSK

BE Low Freq Section - CH0



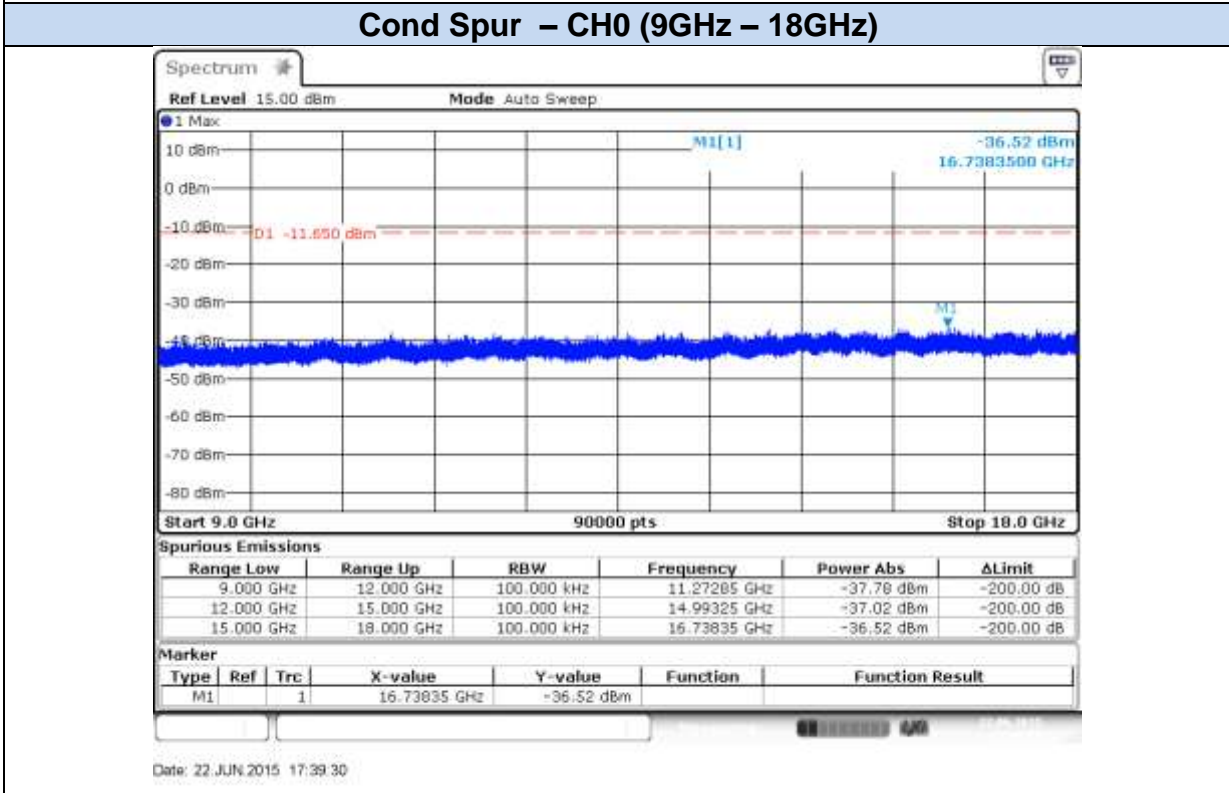
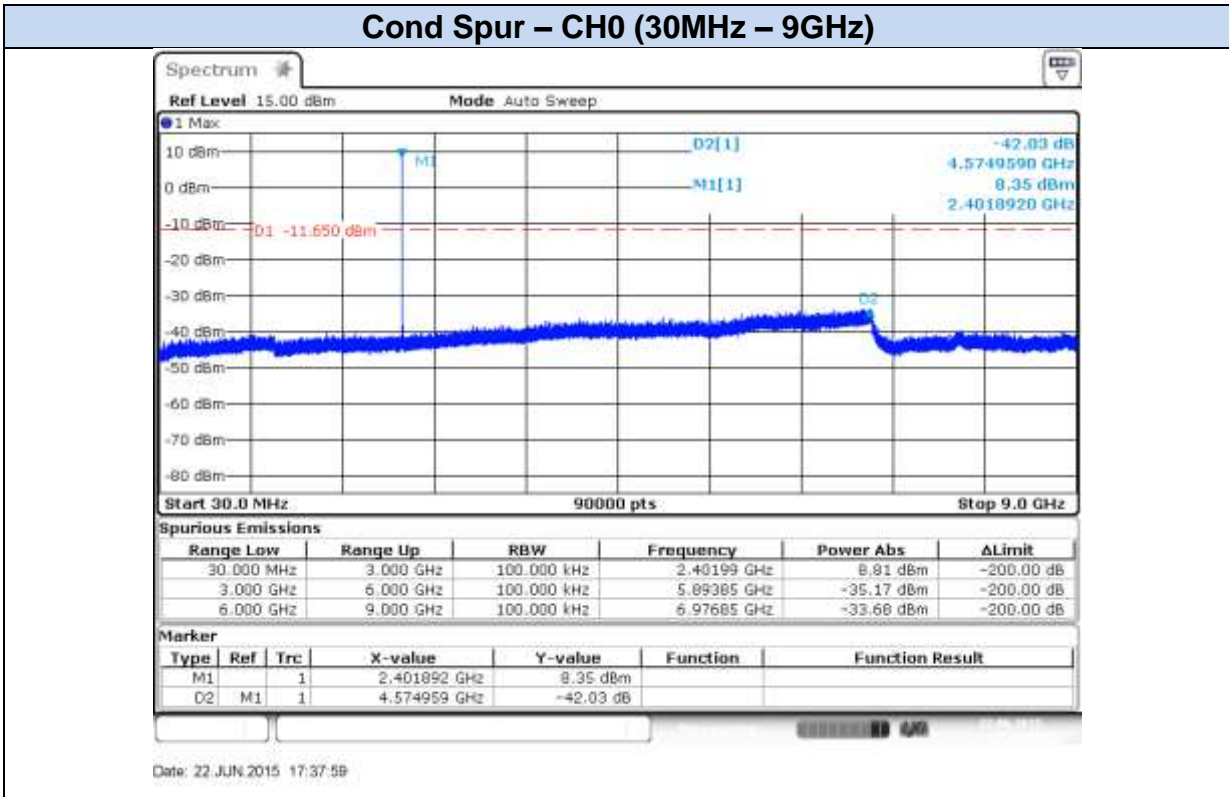
BE High Freq Section - CH78

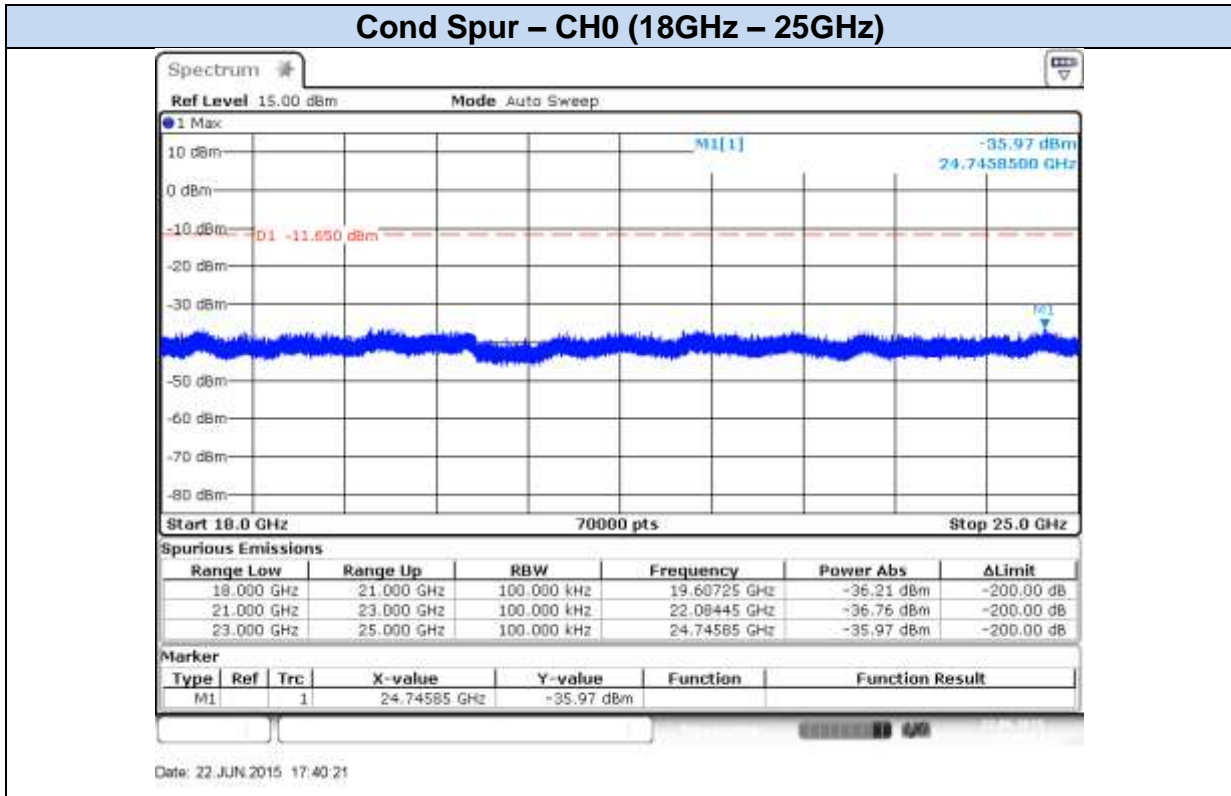




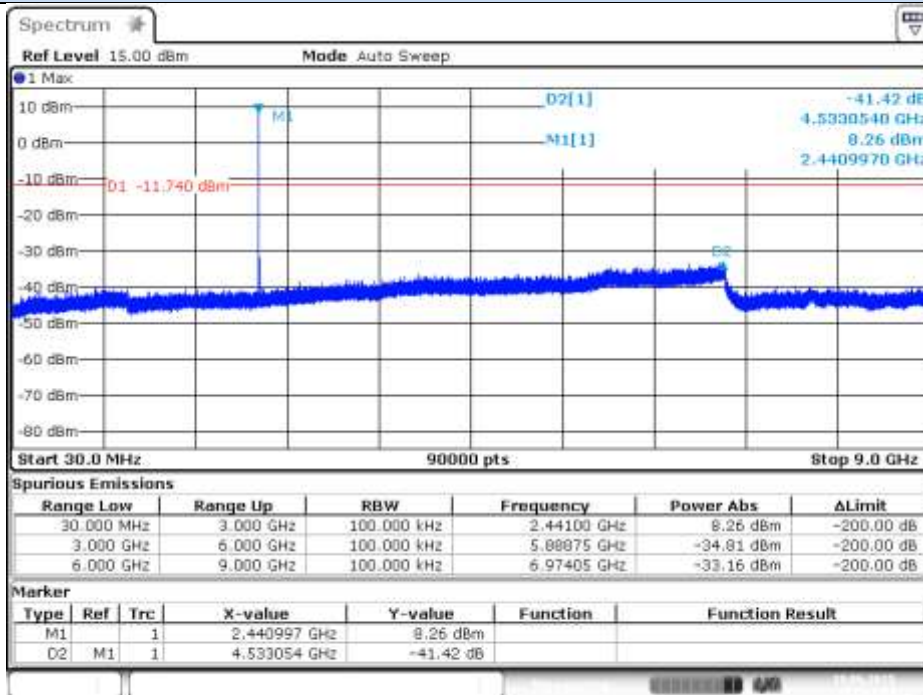
Conducted Spurious results Screenshot:

EDR – $\pi/4$ -DQPSK



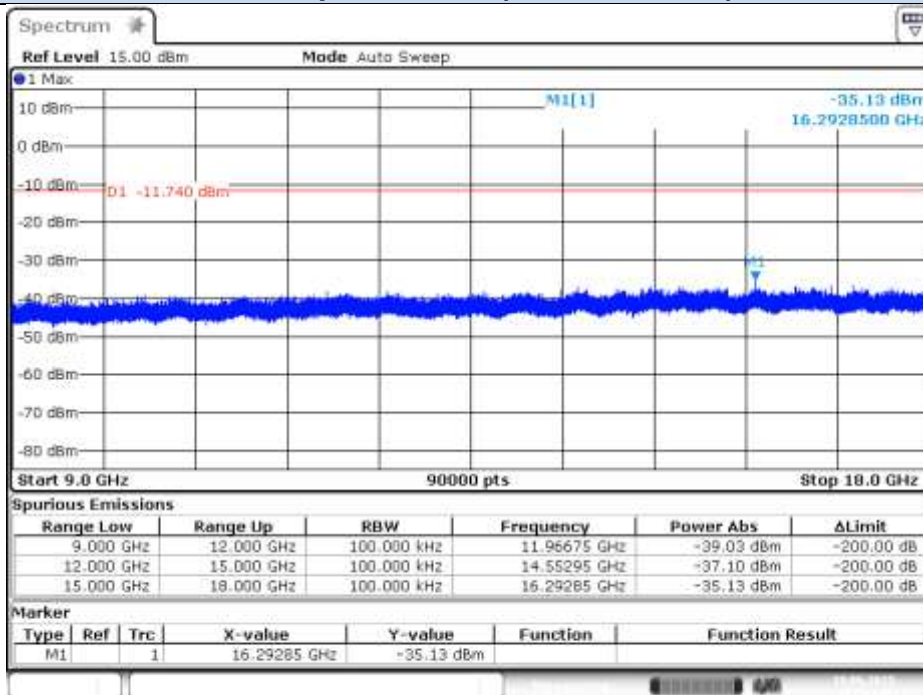


Cond Spur – CH39 (30MHz – 9GHz)

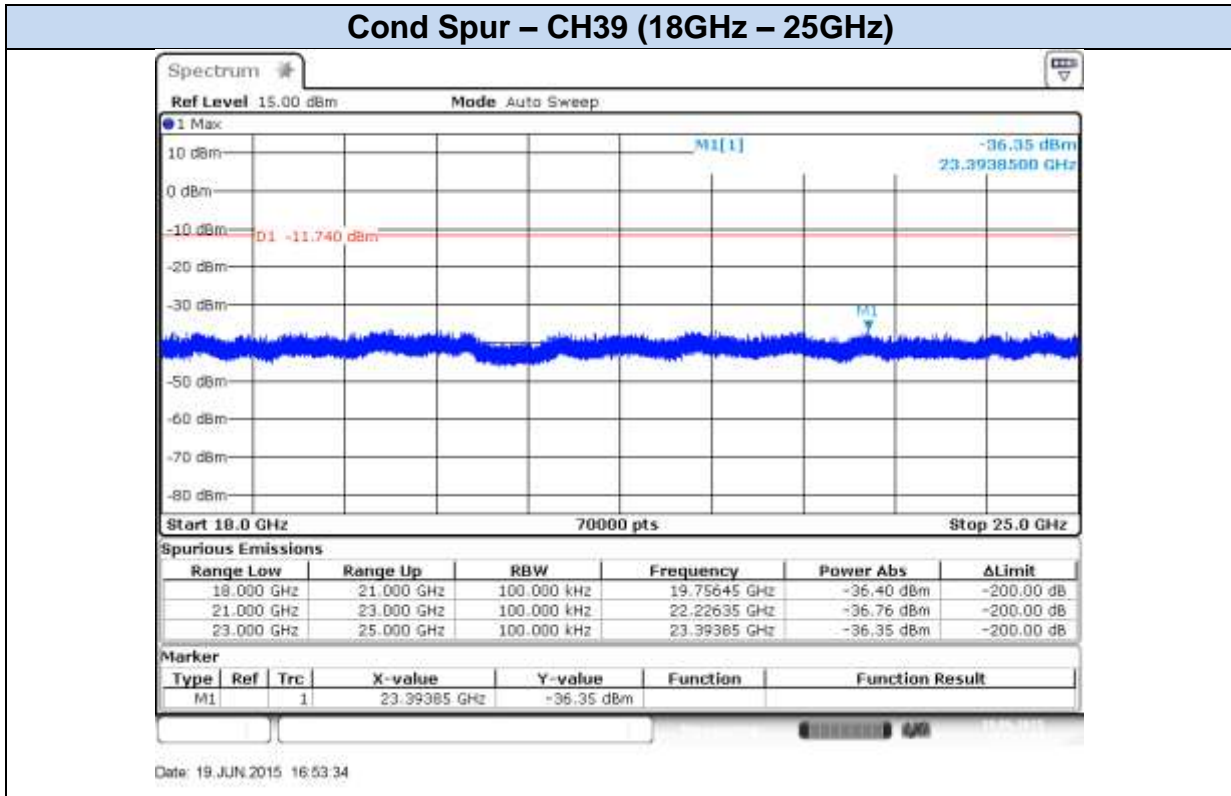


Date: 19 JUN 2015 16:51:34

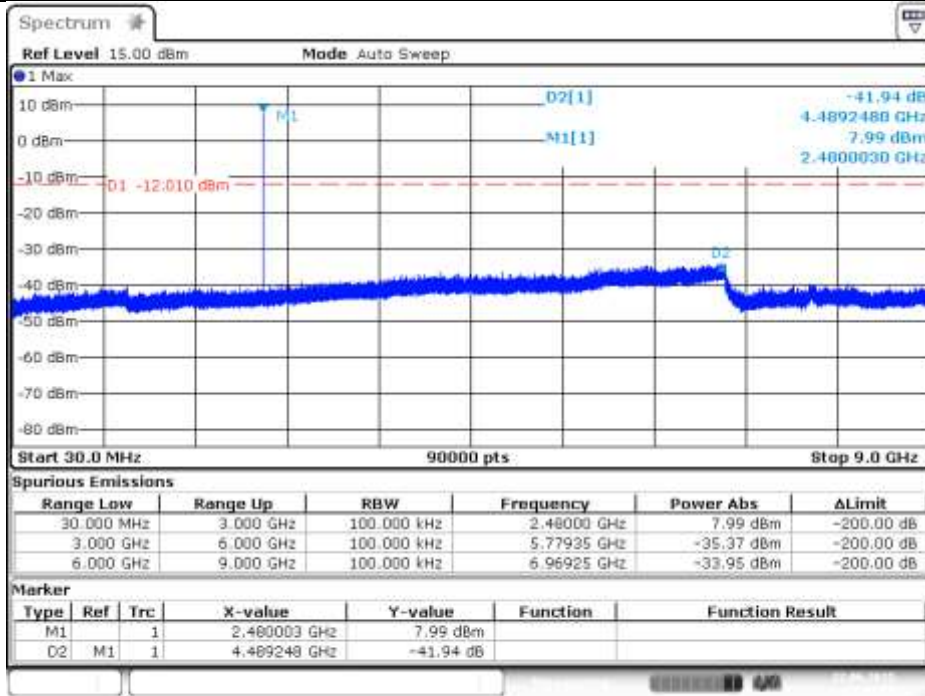
Cond Spur - CH39 (9GHz – 18GHz)



Date: 19 JUN 2015 16:52:47

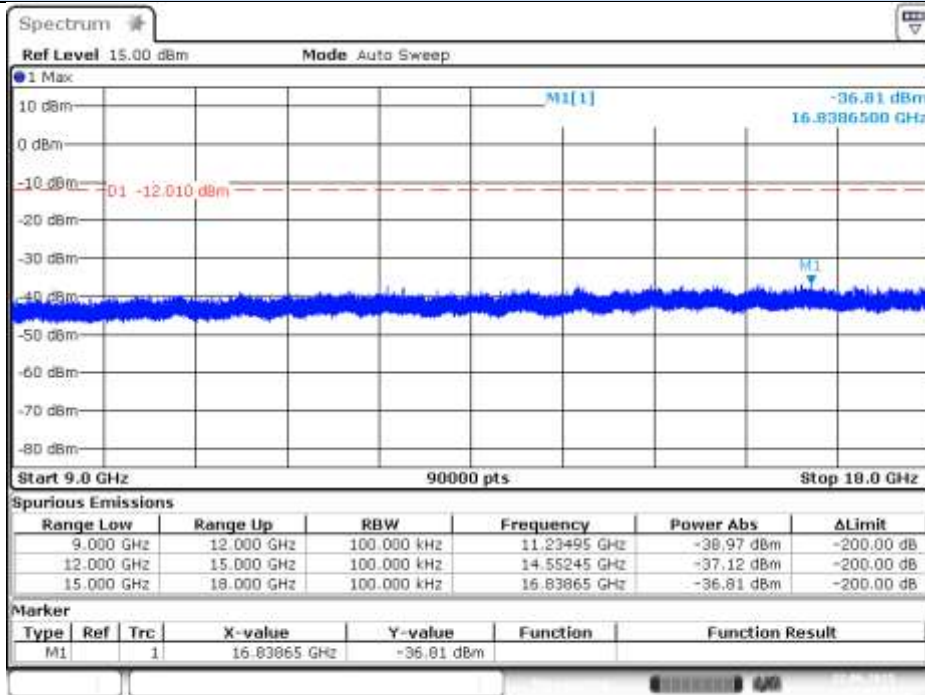


Cond Spur – CH78 (30MHz – 9GHz)

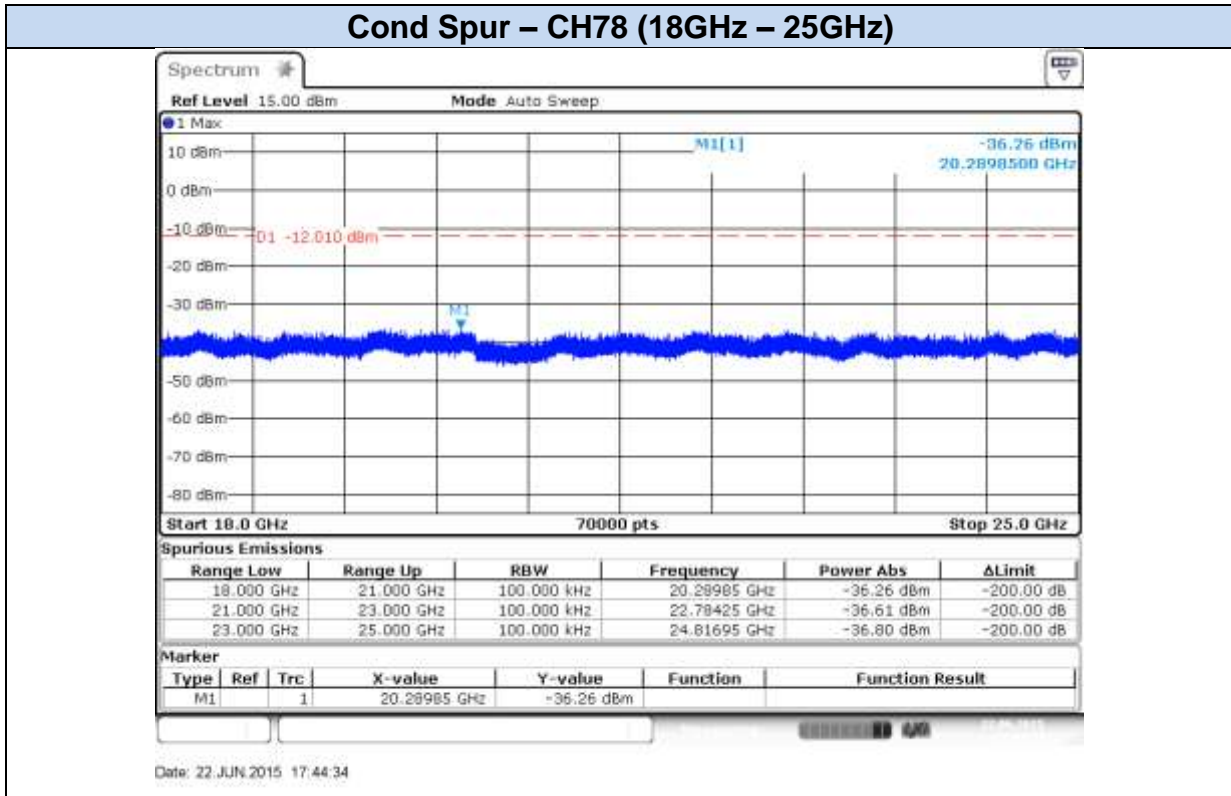


Date: 22 JUN 2015 17:42:19

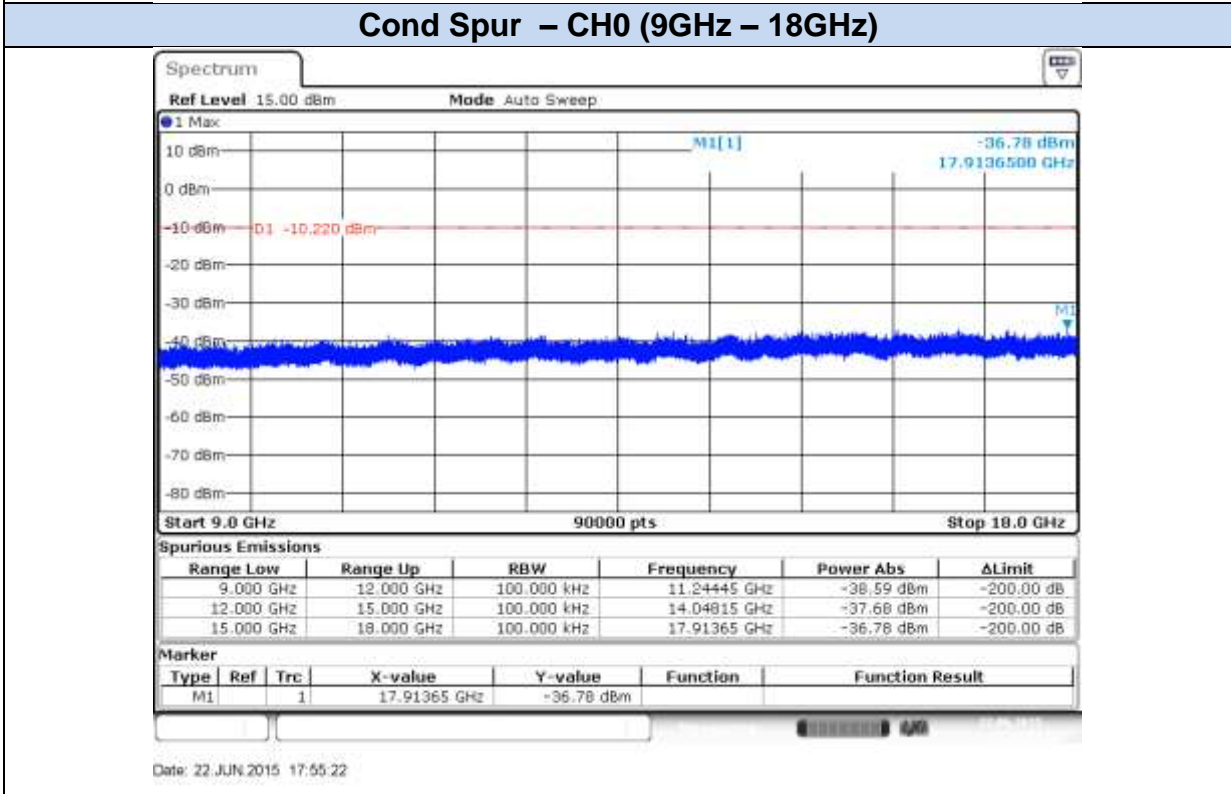
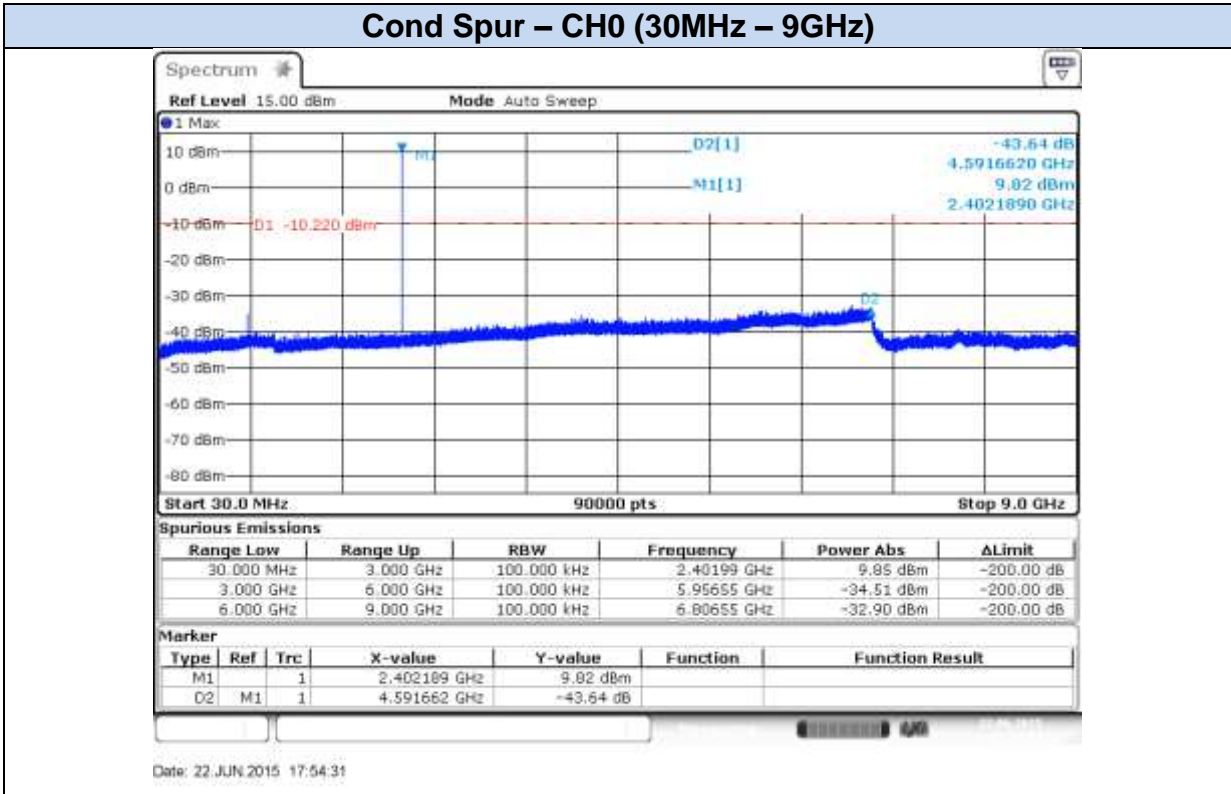
Cond Spur – CH78 (9GHz – 18GHz)

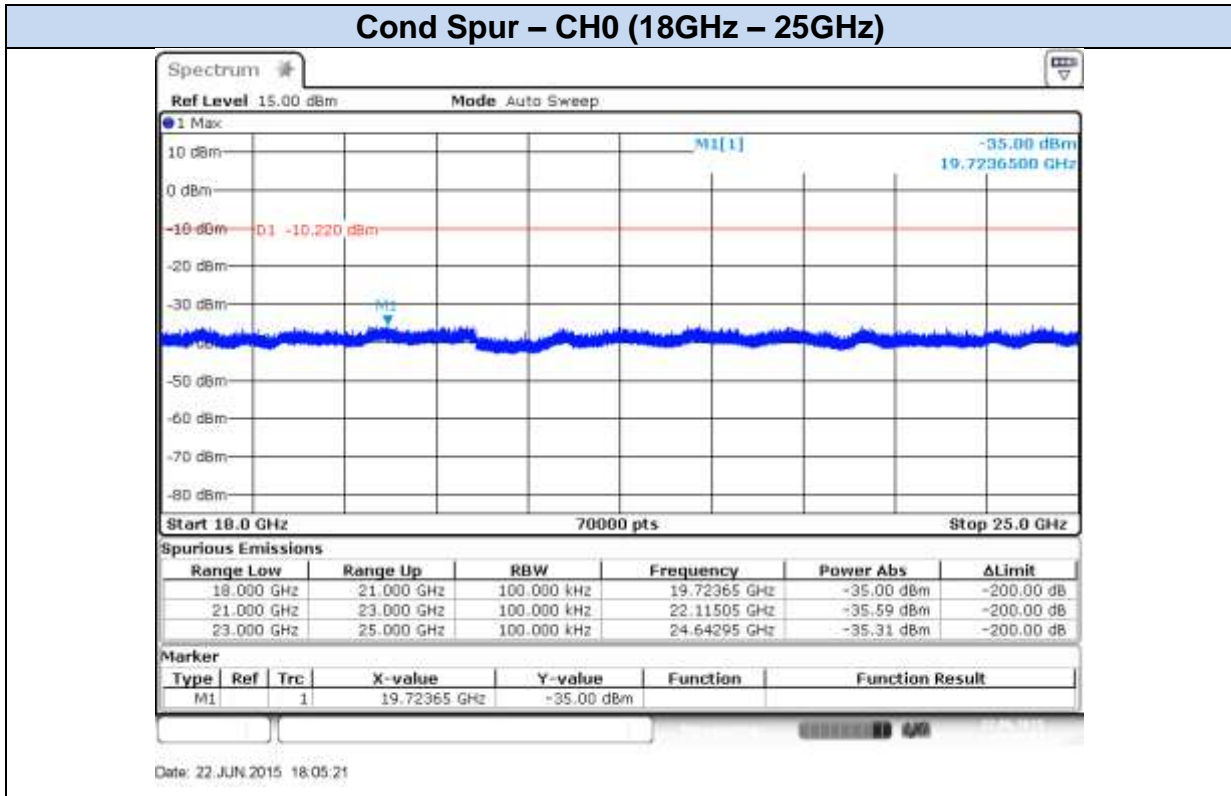


Date: 22 JUN 2015 17:43:31

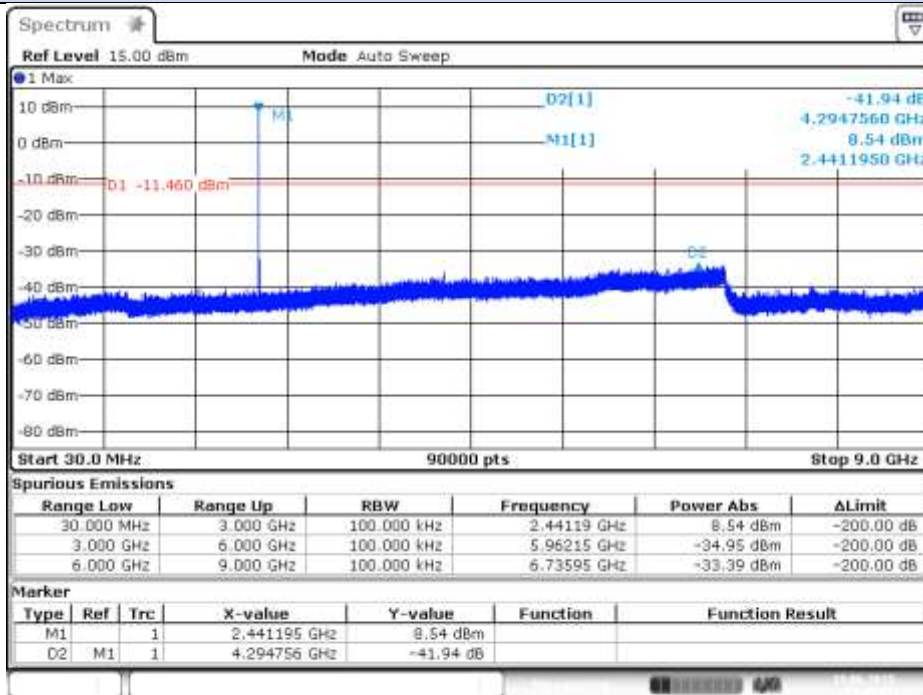


EDR – 8-DPSK



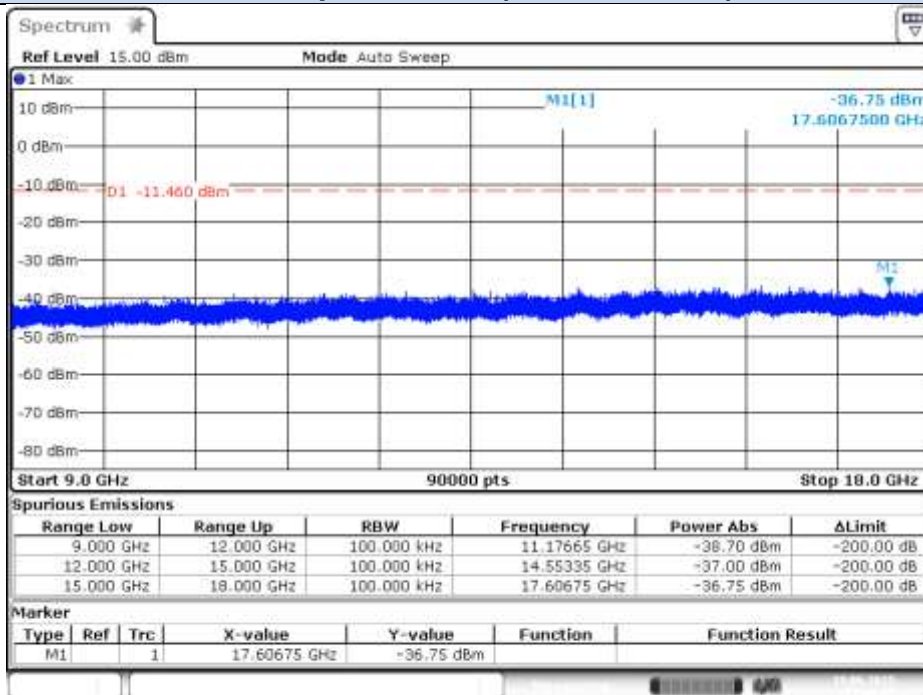


Cond Spur – CH39 (30MHz – 9GHz)

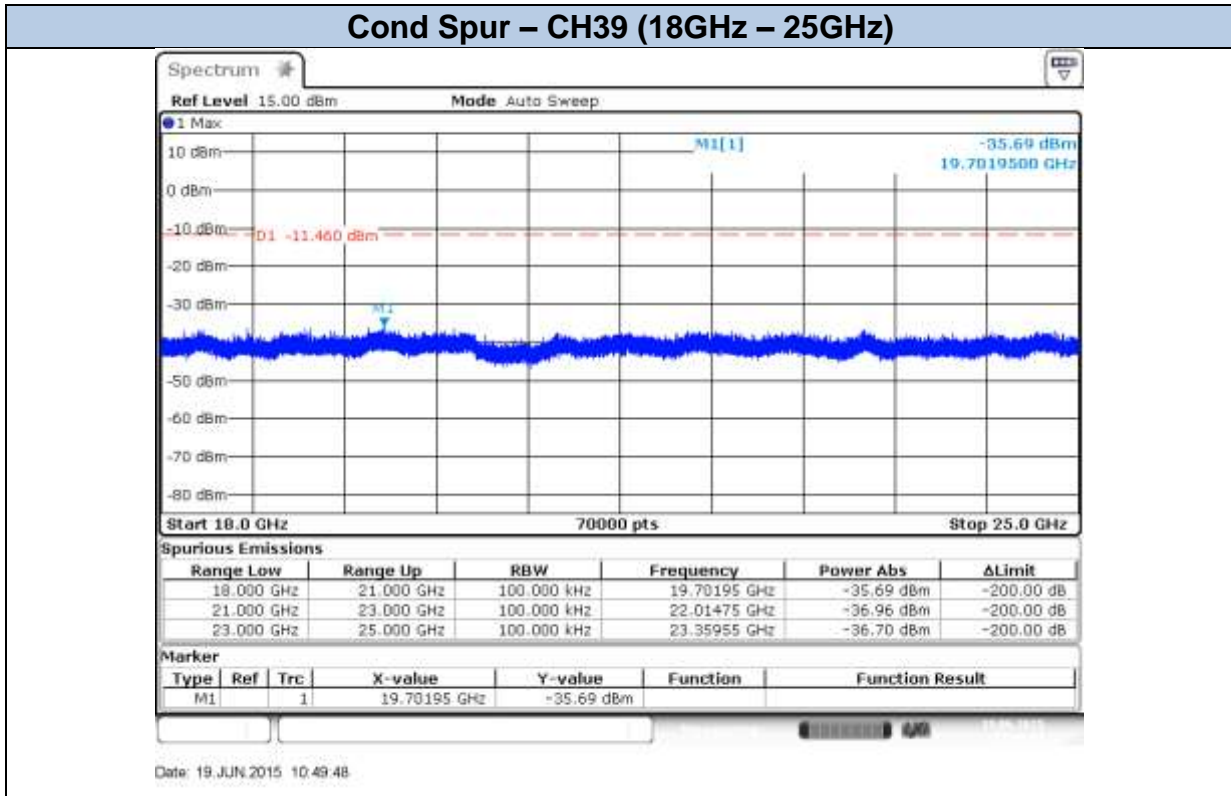


Date: 19 JUN 2015 10:45:26

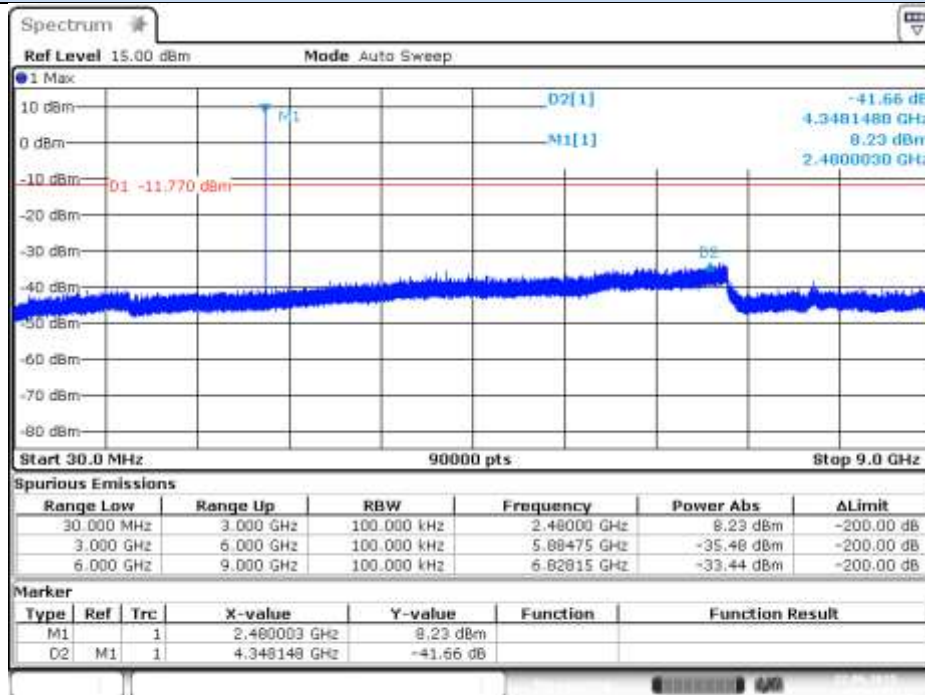
Cond Spur - CH39 (9GHz – 18GHz)



Date: 19 JUN 2015 10:48:45

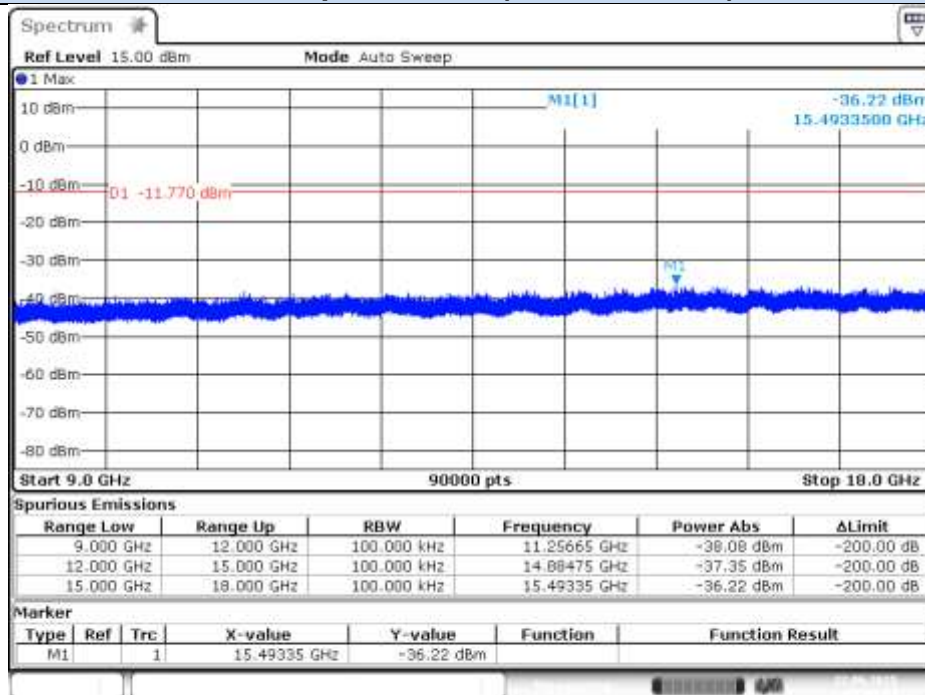


Cond Spur – CH78 (30MHz – 9GHz)

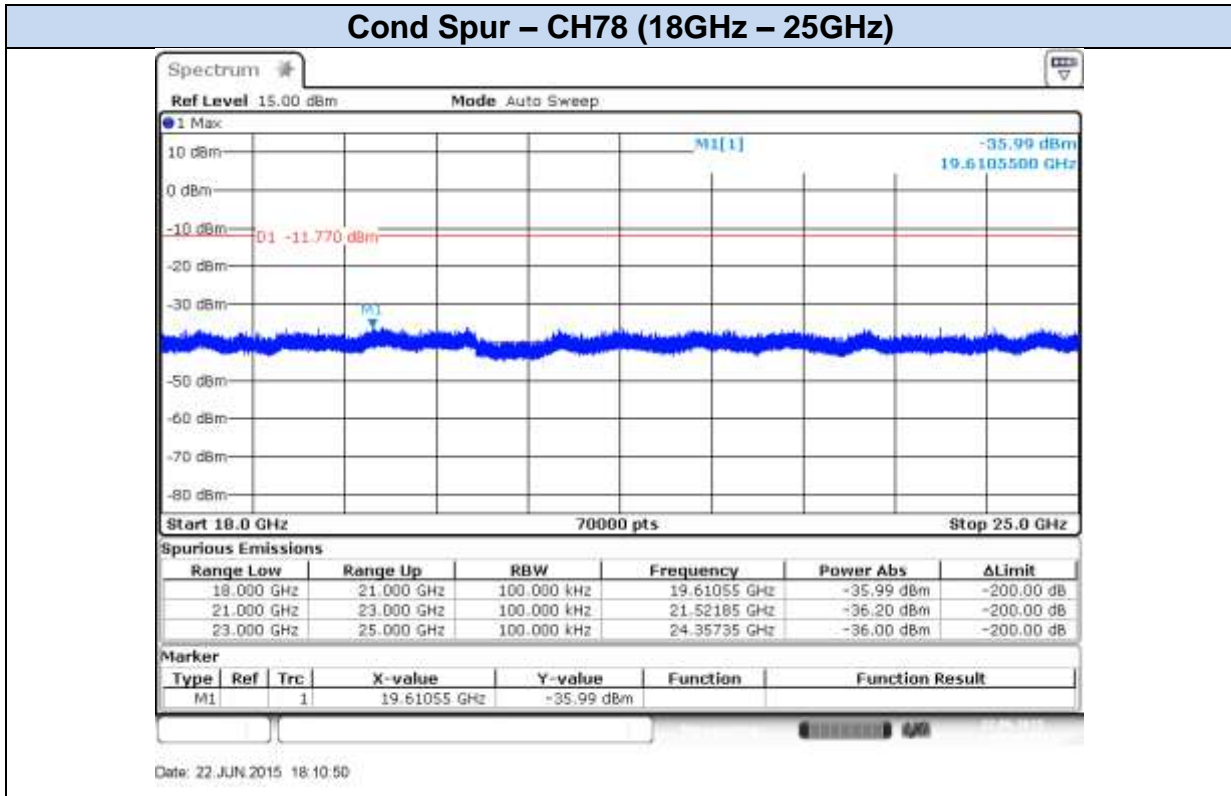


Date: 22 JUN 2015 18:07:07

Cond Spur – CH78 (9GHz – 18GHz)



Date: 22 JUN 2015 18:08:43



B.6 Radiated spurious emission

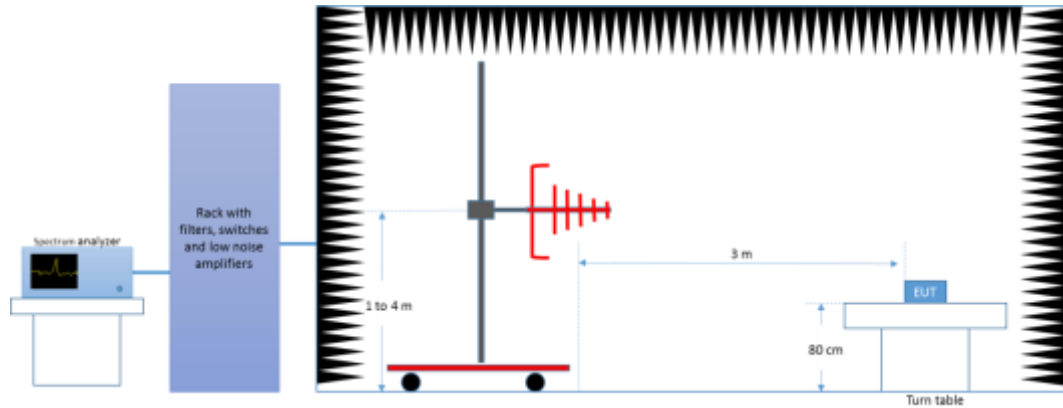
Standard references:

FCC part	RSS part	Limits			
15.247 (d)	RSS-247 Clause 5.5	Radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a):			
		Freq Range (MHz)	Field Strength (µV/m)	Field Strength (dBµV/m)	Meas. Distance (m)
		0.009-0.490	2400/f(kHz)	-	300
		0.490-1.705	24000/f(kHz)	-	300
		1.705-30.0	30	-	30
		30-88	100	40	3
		88-216	150	43.5	3
		216-960	200	46	3
		960-25000	500	54	3
		<p>The emission limits shown in the above table are based on measurements employing CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector.</p> <p>For average radiated emission measurements above 1000 MHz, there is also a limit specified when measuring with peak detector function, corresponding to 20 dB above the indicated values in the table.</p>			

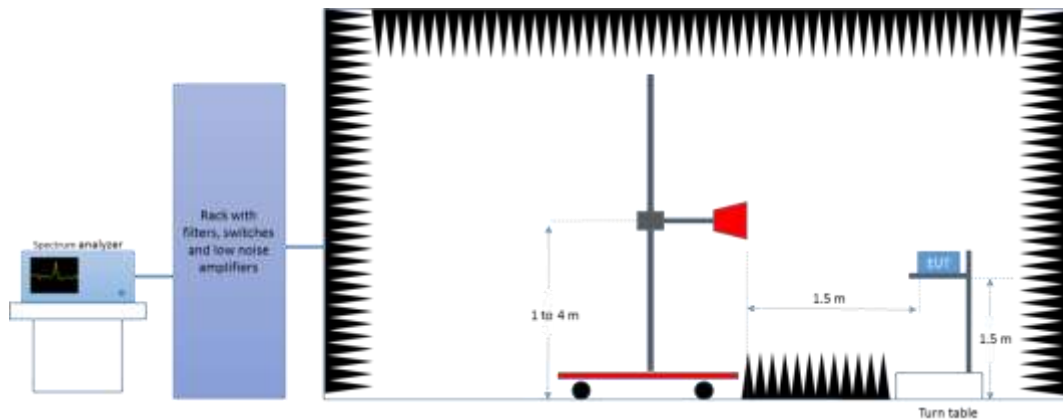
Test procedure:

The setups below were used to measure the radiated spurious emissions. Depending of the frequency range and bands being tested, different antennas and filters were used. The final measurement is done by varying the antenna height from 1 to 4 meters, the EUT azimuth over 360° and for both Vertical and Horizontal polarizations. The radiated spurious emission was measured on the worst case configuration found.

Radiated Setup < 1GHz



Radiated Setup > 1GHz



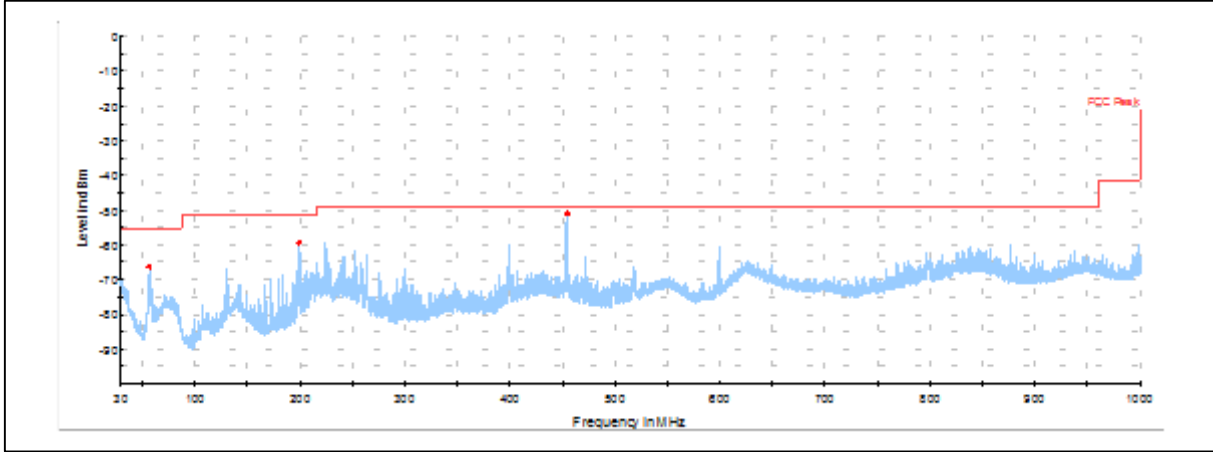
All values reported are converted in dBm, the table below shows the limits of the radiated emission (FCC part 15.209(a)) converted from dBµV/m to dBm.

FCC part 15.209 (a)		Converted values	
Distance (m)	Field strength (microvolts/meter)	Field strength (dB microvolts/meter)	Power (dBm)
3	500	53.98	-41.2
3	200	46.02	-49.2
3	150	43.52	-51.7
3	100	40.00	-55.2

Test result:

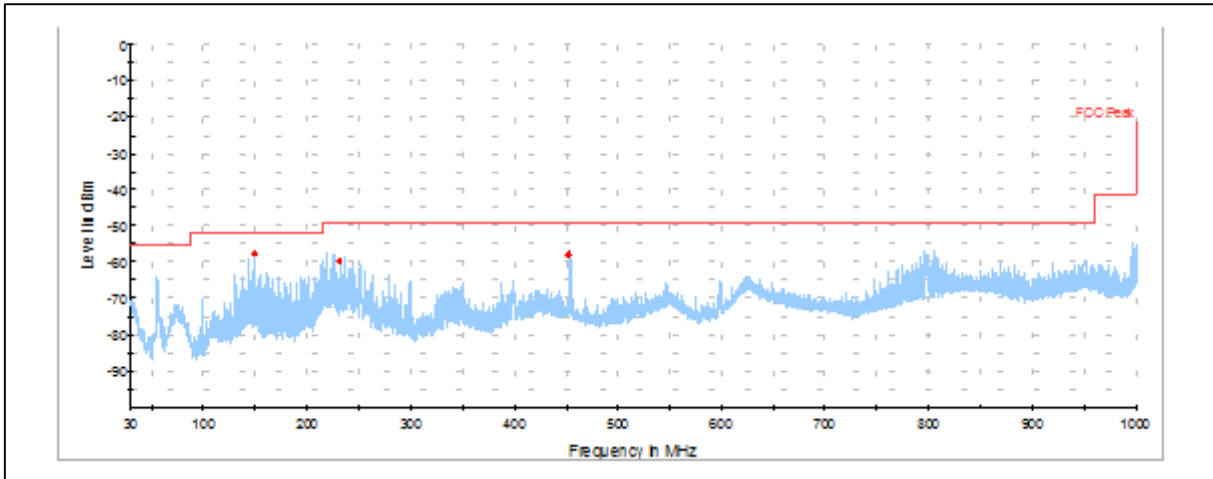
EDR – $\pi/4$ -DQPSK – 30MHz-1GHz

Radiated Spurious – CH0 2DH5



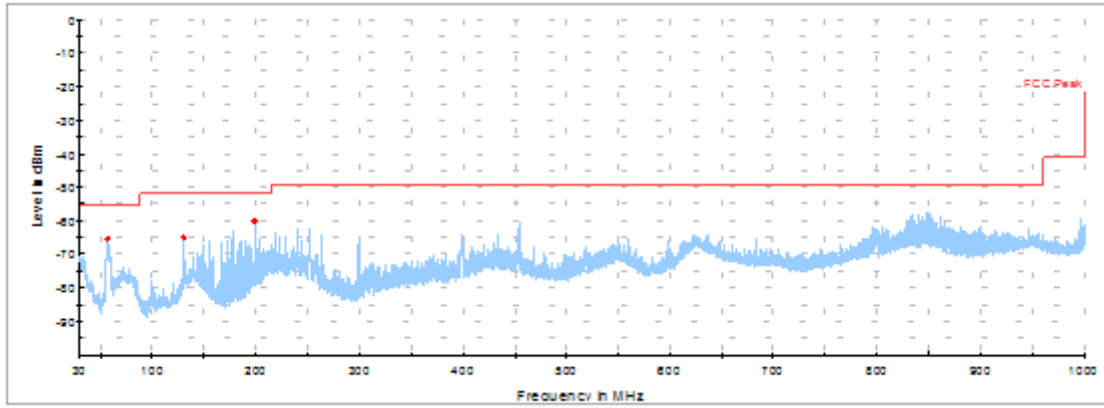
Frequency	Max Peak	Limit	Margin
MHz	dBm	dBm	dB
56.8	-66.5	-55.2	11.3
199.3	-59.2	-51.7	7.5
454.6	-51.1	-49.2	1.9

Radiated Spurious – Ch39 2DH5



Frequency	Max Peak	Limit	Margin
MHz	dBm	dBm	dB
149.5	-57.7	-51.7	6.0
231.6	-59.8	-49.2	10.6
452.7	-57.8	-49.2	8.6

Radiated Spurious – Ch78 2DH5

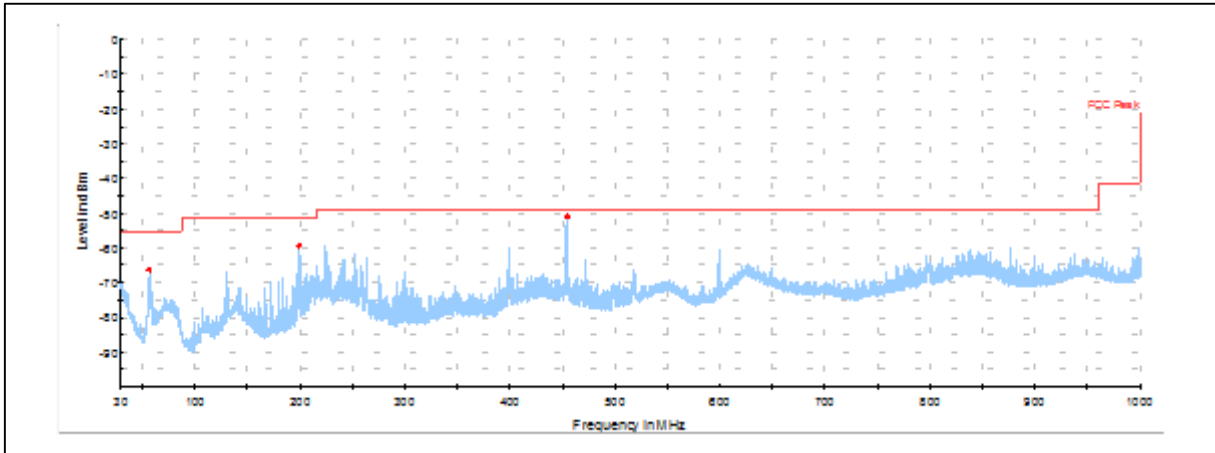


Frequency MHz	Max Peak dBm	Limit dBm	Margin dB
56.7	-65.3	-55.20	10.1
129.8	-65.2	-51.70	13.5
199.2	-60.0	-51.70	8.3

Test results:

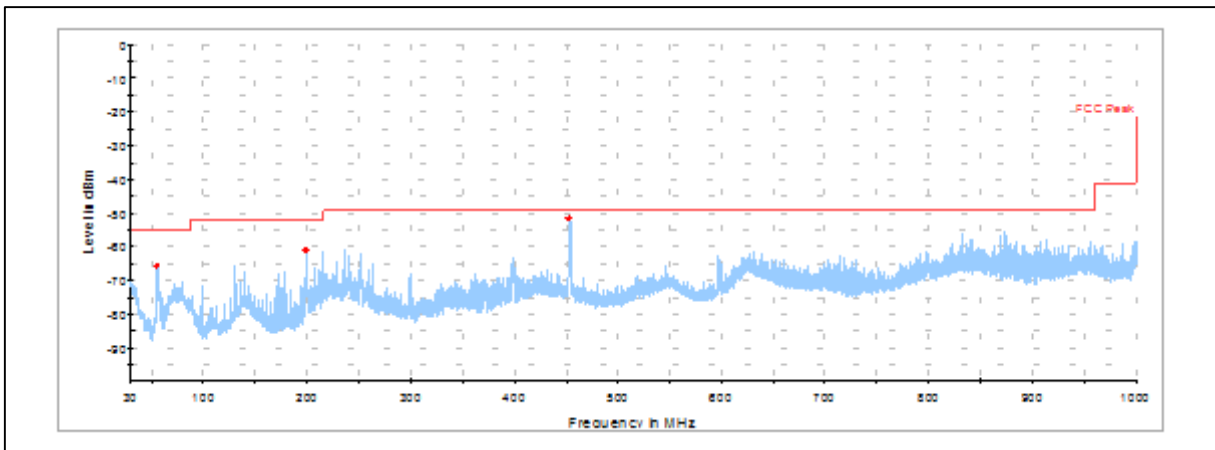
EDR – 8-DPSK – 30MHz-1GHz

Radiated Spurious – Ch0 3DH5



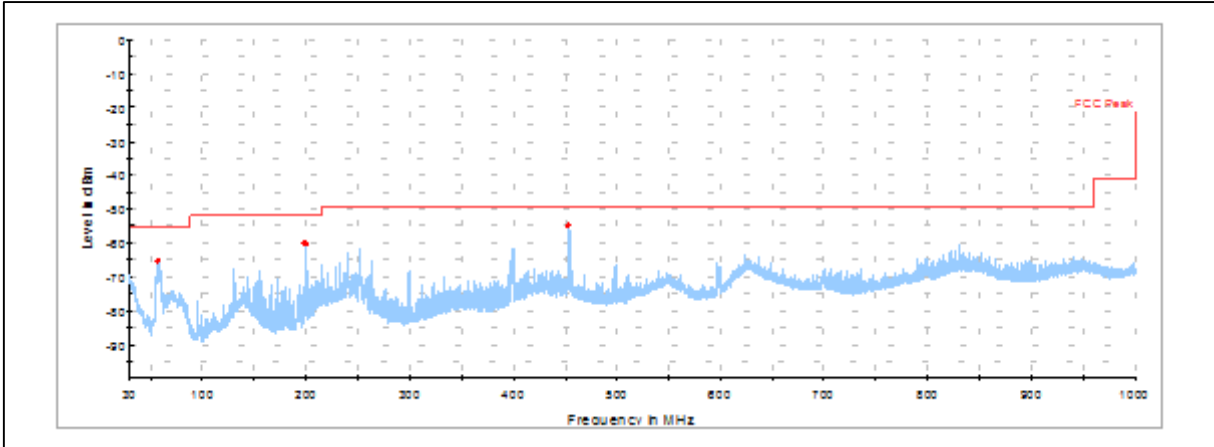
Frequency	Max Peak	Limit	Margin
MHz	dBm	dBm	dB
56.8	-66.3	-55.2	11.1
199.3	-59.4	-51.7	7.7
454.6	-51.3	-49.2	2.1

Radiated Spurious – Ch39 3DH5



Frequency	Max Peak	Limit	Margin
MHz	dBm	dBm	dB
55.7	-65.5	-55.2	10.3
199.2	-60.9	-51.7	9.2
452.7	-51.6	-49.2	2.4

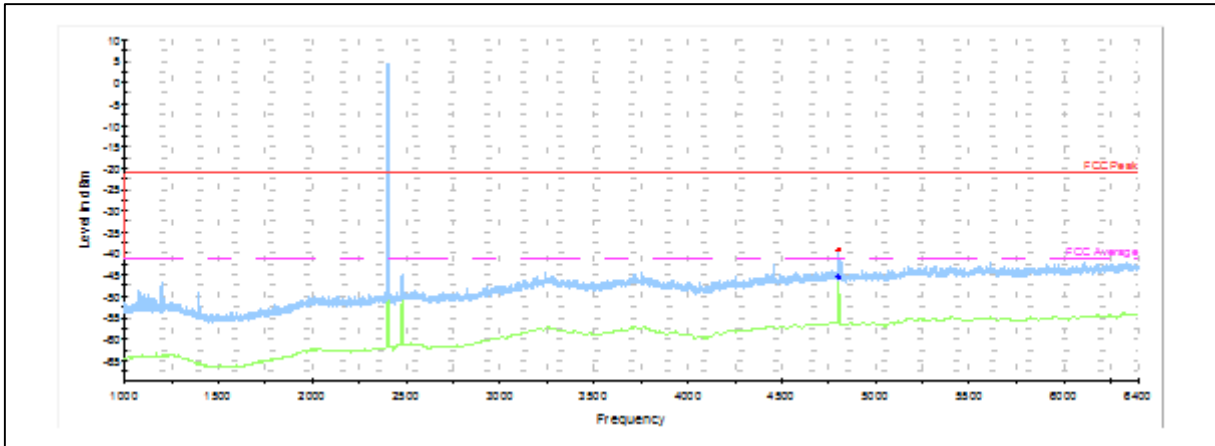
Radiated Spurious – Ch78 3DH5



Frequency	Max Peak	Limit	Margin
MHz	dBm	dBm	dB
57.2	-65.2	-55.20	10.0
199.4	-60.2	-51.70	8.5
452.7	-55.0	-49.20	5.8

EDR – $\pi/4$ -DQPSK – 1GHz to 6.4GHz

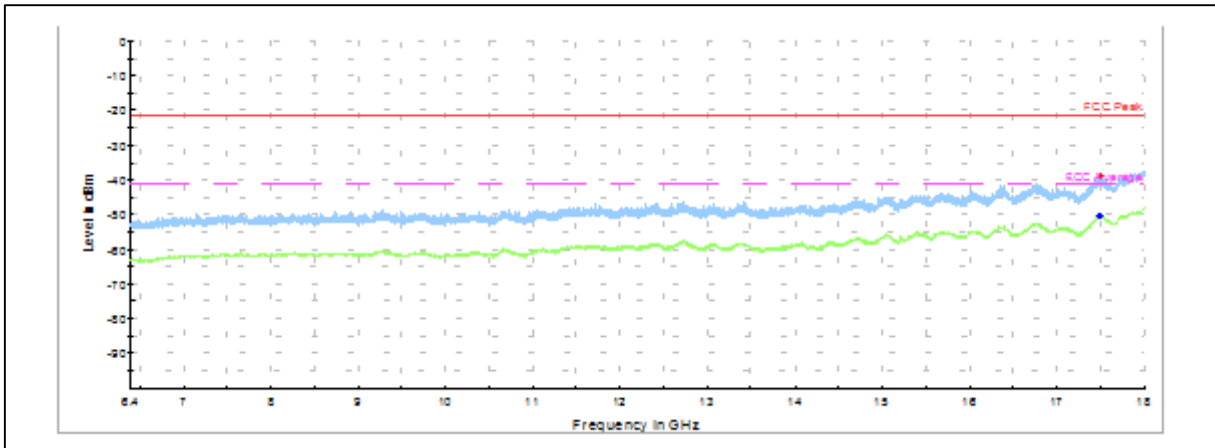
Radiated Spurious – Ch0 2DH5



█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
4804.0	---	-46.7	-41.20	5.5
4803.5	-40.0	---	-21.20	18.8

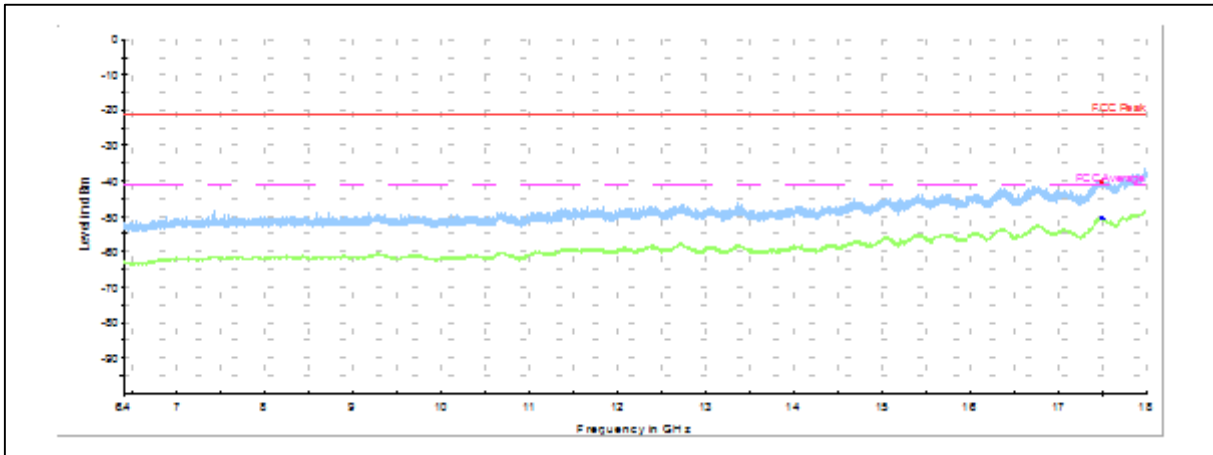
Radiated Spurious – Ch39 2DH5



█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
4882.0	---	-49.6	-41.20	8.4
4882.5	-41.7	---	-21.20	20.5

Radiated Spurious – Ch78 2DH5

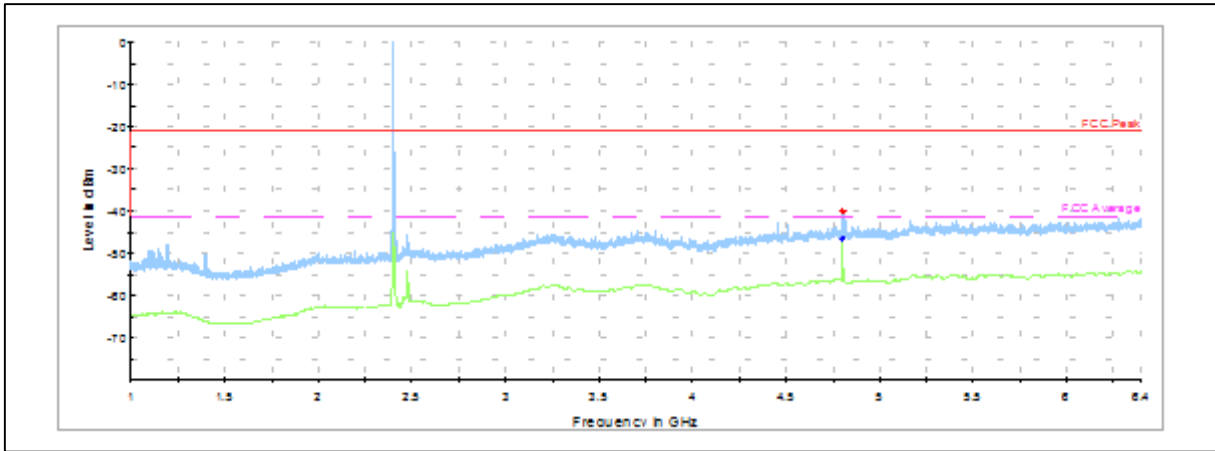


— Peak measurements
 — RMS measurements
 — FCC Peak
 — FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
4960.0	---	-49.7	-41.20	8.5
4960.5	-42.1	---	-21.20	20.9

EDR – 8-DPSK – 1GHz to 6.4GHz

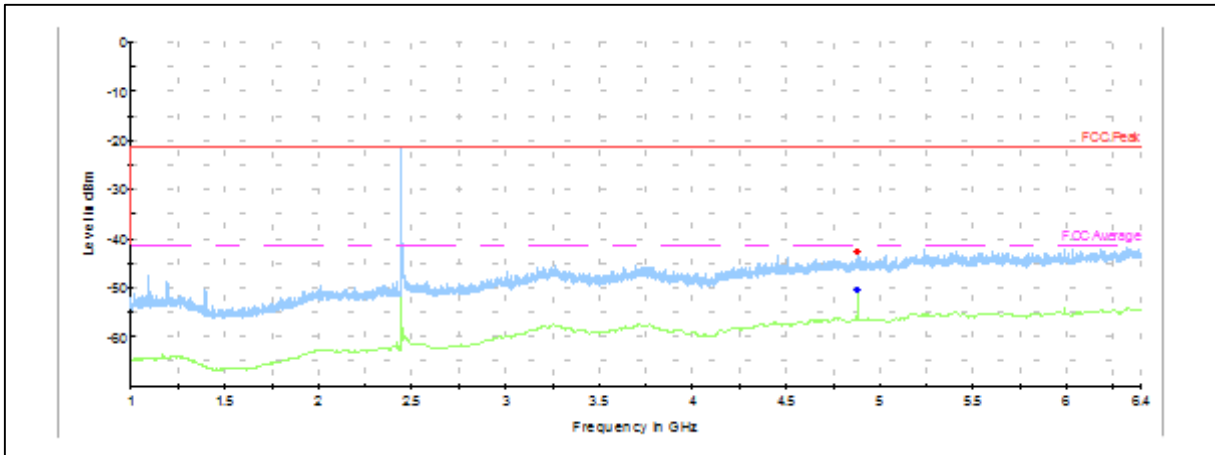
Radiated Spurious – Ch0 3DH5



█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
4804.0	---	-46.6	-41.20	5.4
4804.0	-40.2	---	-21.20	19.0

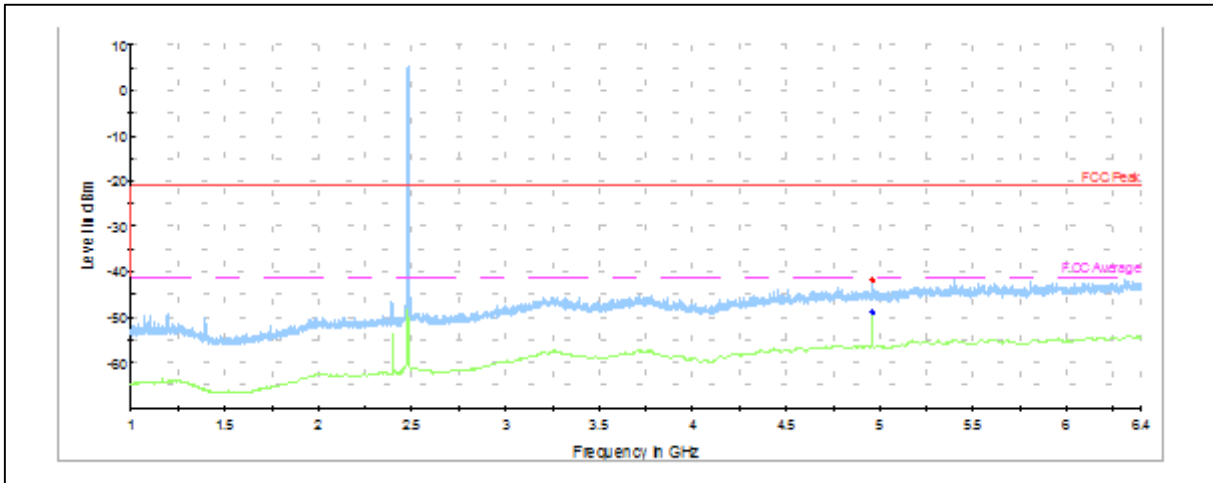
Radiated Spurious – Ch39 3DH5



█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
4882.0	---	-50.4	-41.20	9.2
4881.5	-42.5	---	-21.20	21.3

Radiated Spurious – Ch78 3DH5

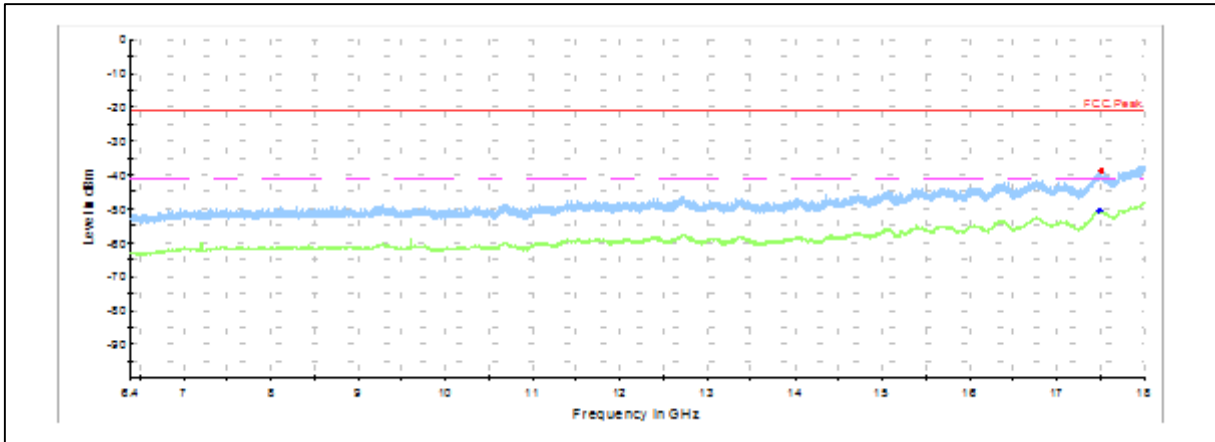


█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
4960.0	---	-49.0	-41.20	7.8
4960.0	-42.0	---	-21.20	20.8

EDR – $\pi/4$ -DQPSK – 6.4GHz to 18GHz

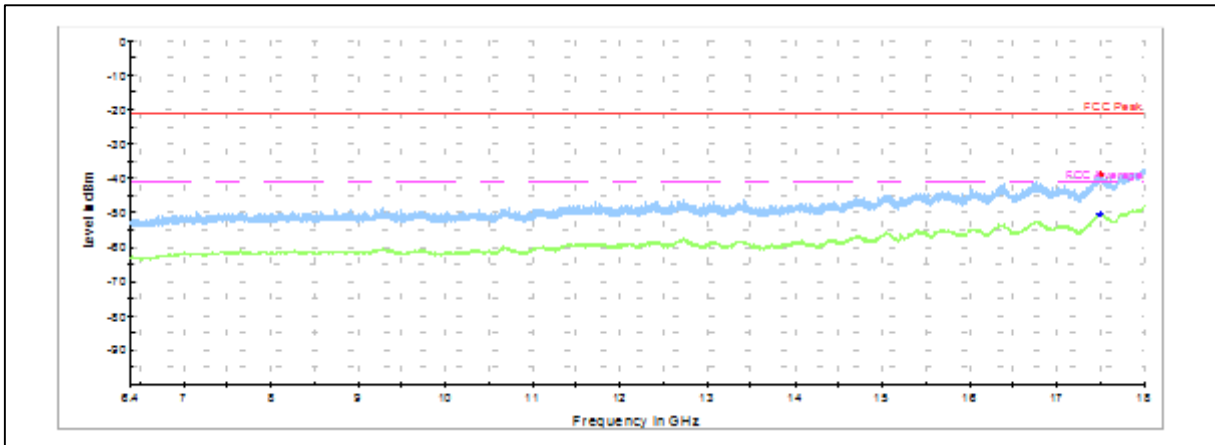
Radiated Spurious – Ch0 2DH5



█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
17490.6	---	-50.4	-41.20	9.2
17513.3	-38.6	---	-21.20	17.4

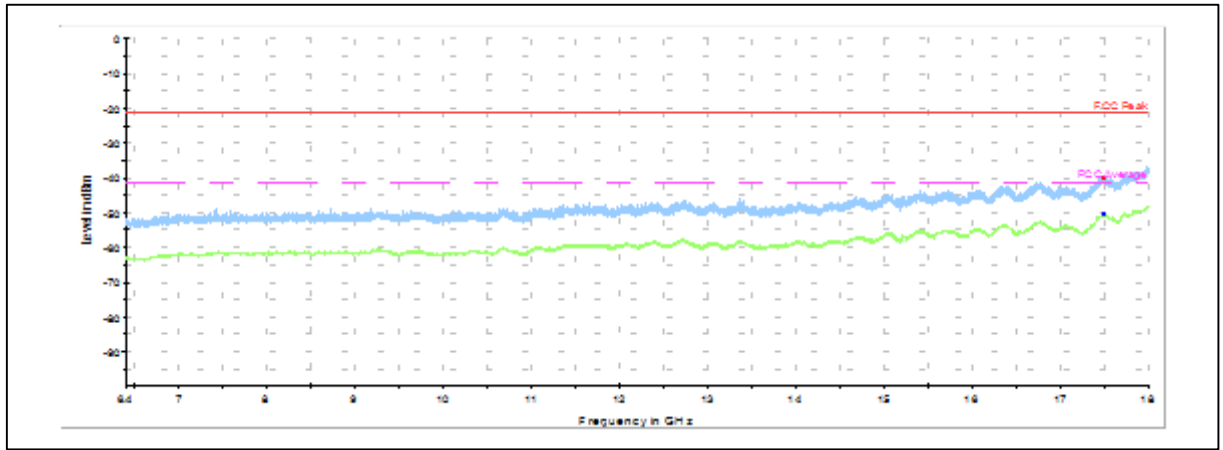
Radiated Spurious – Ch39 2DH5



█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
17496.9	---	-50.4	-41.20	9.2
17499.6	-38.9	---	-21.20	17.7

Radiated Spurious – Ch78 2DH5

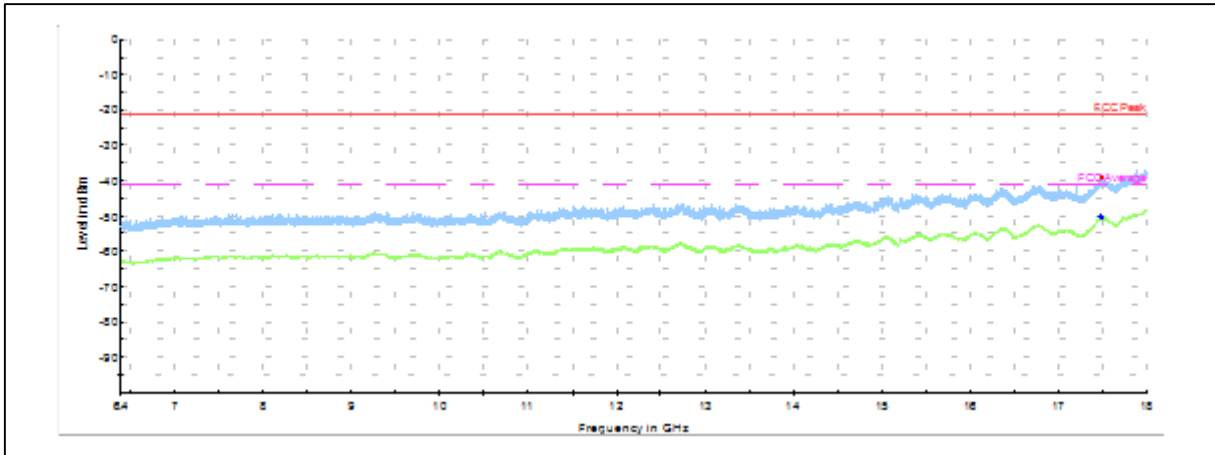


█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
17494.3	---	-50.5	-41.20	9.3
17496.9	-40.0	---	-21.20	18.8

EDR – 8-DPSK – 6.4GHz to 18GHz

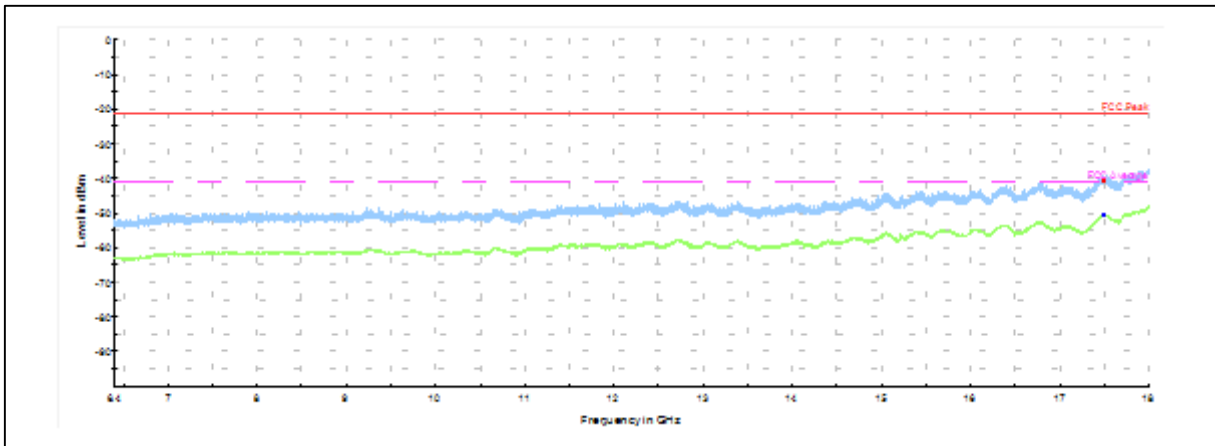
Radiated Spurious – Ch0 3DH5



— Peak measurements
 — RMS measurements
 — FCC Peak
 - - - FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
17480.6	---	-50.3	-41.20	9.1
17490.1	-39.1	---	-21.20	17.9

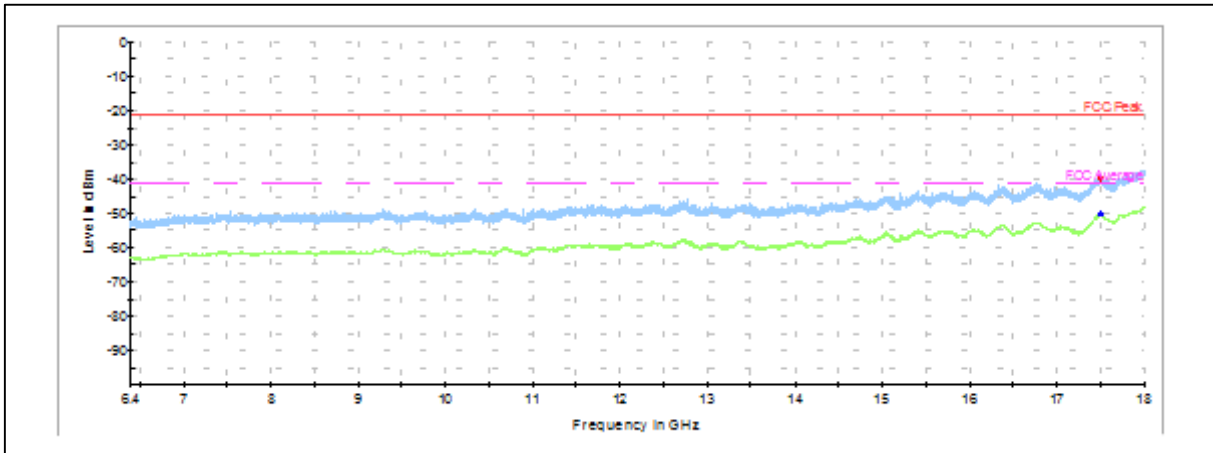
Radiated Spurious – Ch39 3DH5



— Peak measurements
 — RMS measurements
 — FCC Peak
 - - - FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
17494.3	---	-50.5	-41.20	9.3
17496.9	-40.5	---	-21.20	19.3

Radiated Spurious – Ch78 3DH5

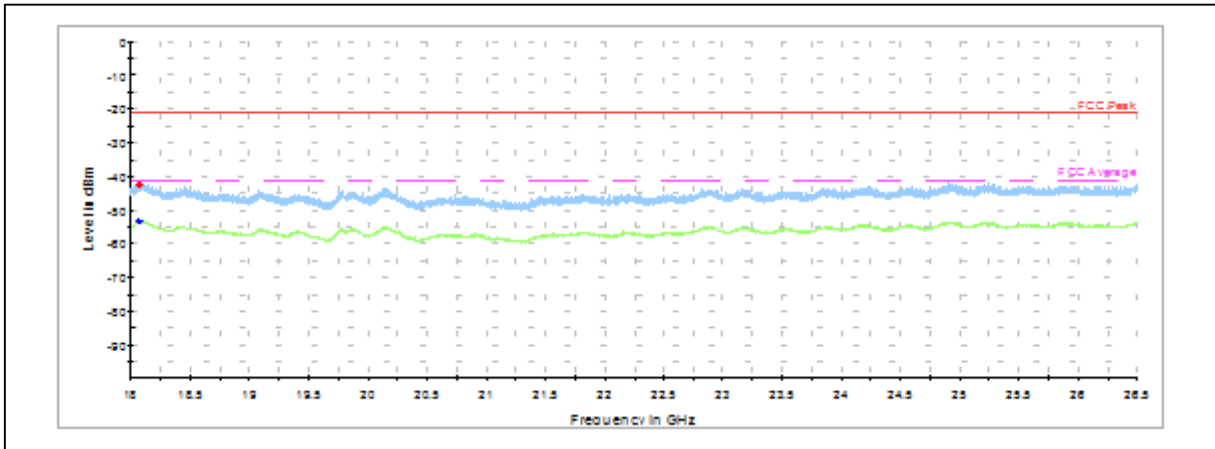


█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
17502.2	---	-50.4	-41.20	9.2
17511.7	-39.8	---	-21.20	18.6

EDR – $\pi/4$ -DQPSK – 18 GHz to 26 GHz

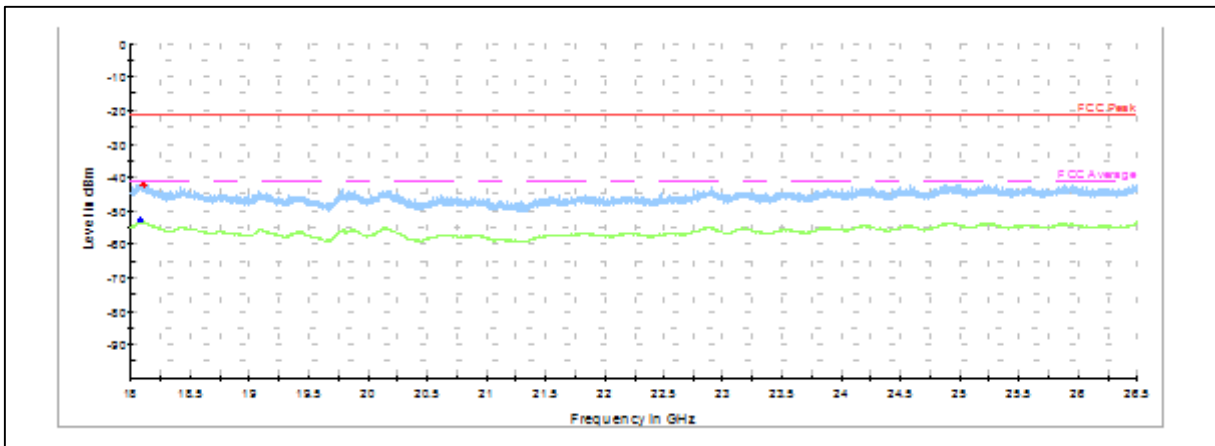
Radiated Spurious – Ch0 2DH5



— Peak measurements
 — RMS measurements
 — FCC Peak
 — FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
18070.8	---	-53.37	-41.20	12.17
18079.8	-42.45	---	-21.20	21.25

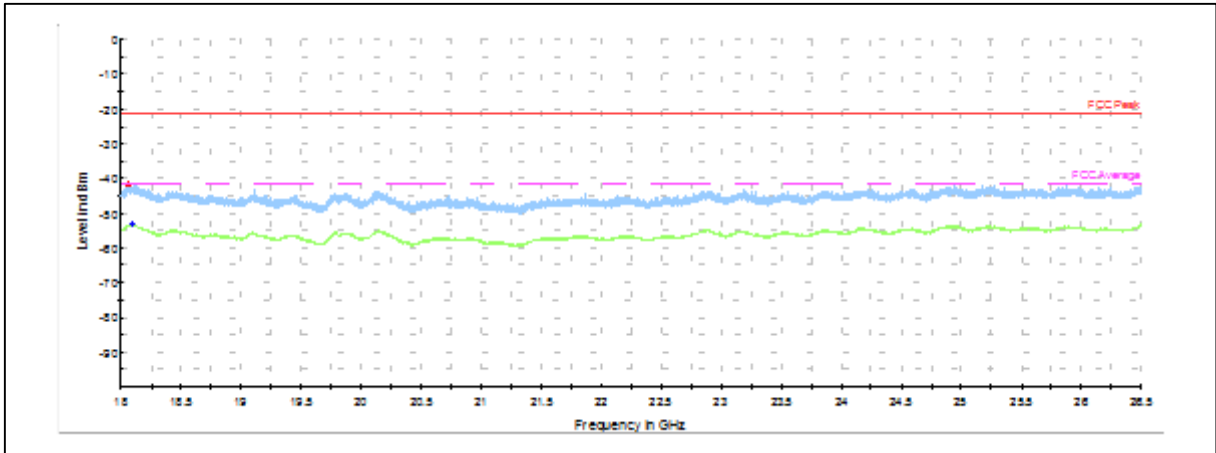
Radiated Spurious – Ch39 2DH5



— Peak measurements
 — RMS measurements
 — FCC Peak
 — FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
18077.9	---	-52.9	-41.20	11.7
18106.7	-42.0	---	-21.20	20.8

Radiated Spurious – Ch78 2DH5

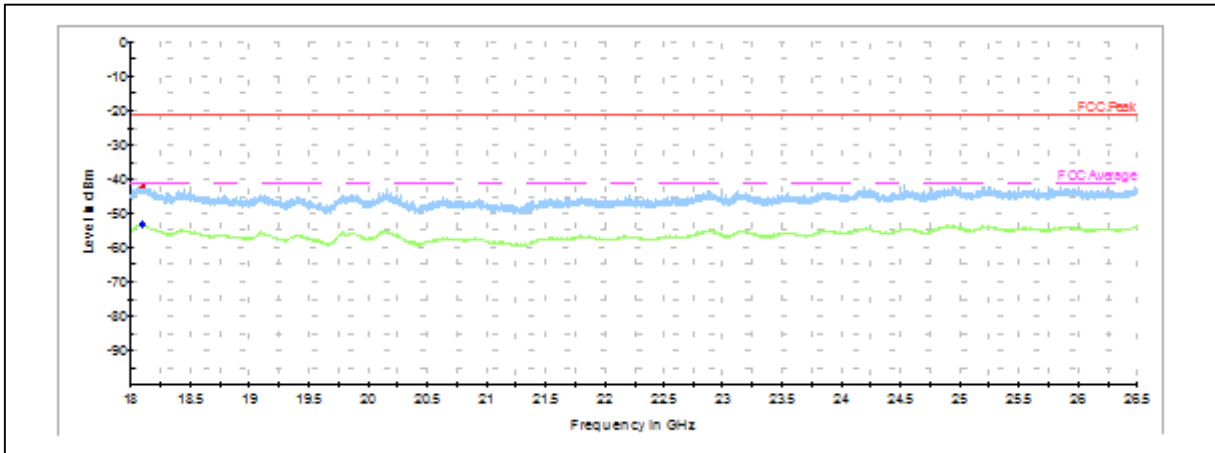


█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
18096.8	---	-53.2	-41.20	12.0
18059.9	-41.7	---	-21.20	20.5

EDR – 8-DPSK – 18 GHz to 26 GHz

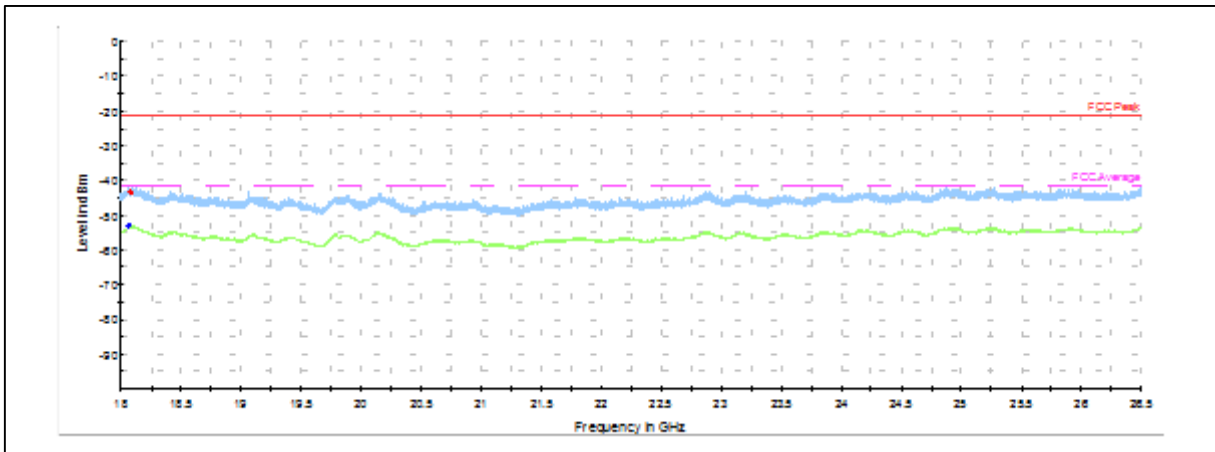
Radiated Spurious – Ch0 3DH5



— Peak measurements
 — RMS measurements
 — FCC Peak
 - - - FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
18093.9	---	-53.3	-41.20	12.1
18093.9	-42.0	---	-21.20	20.8

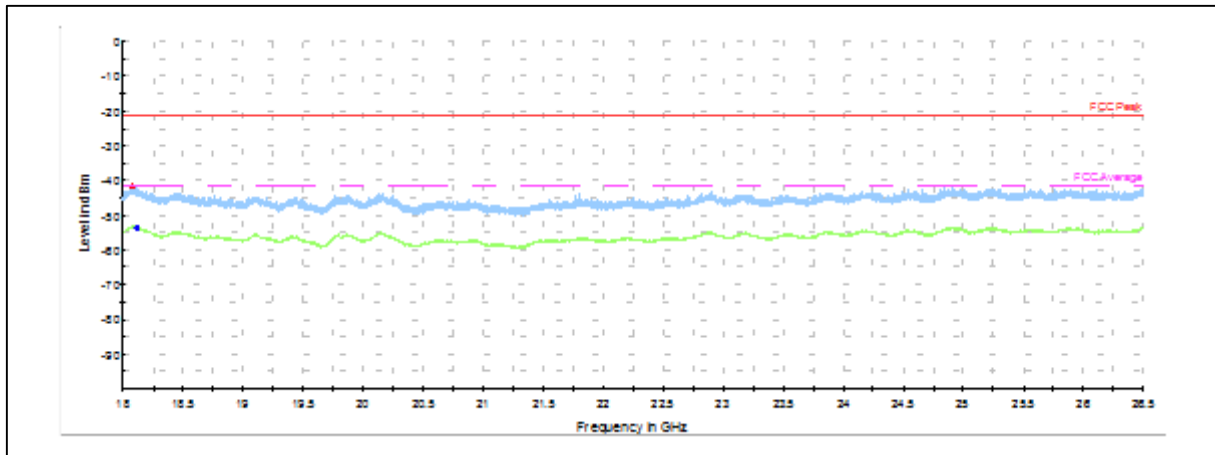
Radiated Spurious – Ch39 3DH5



— Peak measurements
 — RMS measurements
 — FCC Peak
 - - - FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
18068.5	---	-53.1	-41.2	11.9
18077.0	-43.5	---	-21.2	22.3

Radiated Spurious – Ch78 3DH5



█ Peak measurements
 █ RMS measurements
 █ FCC Peak
 █ FCC Average

Frequency	Max Peak	RMS	Limit	Margin
MHz		dBm	dBm	dB
18122.7	---	-53.6	-41.20	12.4
18078.3	-41.6	---	-21.20	20.4