



TEST REPORT

EUT Description	WLAN and BT, 2x2 PCle M.2 1216 SD adapter card, LTE Coexistence
Brand Name	Intel® Wi-Fi 6 AX200
Model Name	AX200D2WL
FCC ID ISED ID	PD9AX200D2L 1000M-AX200D2L
Date of Test Start/End	2019-01-22 /2019-02-04
Features	802.11ax, Dual Band, 2x2 Wi-Fi + Bluetooth® 5 (see section 5)
Applicant	Intel Mobile Communications
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Contact Person	Steven Hackett
Telephone/Fax/ Email	steven.c.hackett@intel.com
Reference Standards	FCC CFR Title 47 Part 15 C RSS-247 issue 2, RSS-Gen issue 5 (see section 1)
Test Report identification	181210-02.TR05
Revision Control	Rev. 00 This test report revision replaces any previous test report revision (see section 8)
The test results relate only to the sa The test report shall not be reproduc	mples tested. ced in full, without written approval of the laboratory.
Issued by	Reviewed by

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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. ANSI C63.10-2013 American National Standard of Procedures for Compliance Testing of Unlicensed Wireless Devices
- 4. DA 00-705 Released March 30, 2000 Filing and Measurement Guidelines for Frequency Hopping Spread Spectrum Systems
- 5. RSS-247 Issue 2 Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices
- 6. RSS-Gen Issue 5 General Requirements for Compliance of Radio Apparatus.

2. General conditions, competences and guarantees

- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an ISO/IEC 17025:2005 testing laboratory accredited by the American Association for Laboratory Accreditation (A2LA) with the certificate number 3478.01.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is an Accredited Test Firm recognized by the FCC, with Designation Number FR0011.
- ✓ Intel Corporation SAS Wireless RF Lab (Intel WRF Lab) is a Registered Test Site listed by ISED, with ISED 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.

3. Environmental Conditions

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

Temperature	22±2°C
Humidity	34±14%

4. Test samples

Sample	Control #	Description	Model	Serial #	Date of receipt	Note
	181210-02.S07	RF Module	AX200D2WL	WFM:3413E8B10C33	2018-12-13	
	180001-01.S19	Adapter	Socket	-	2018-12-18	
#01	180000-01.S08	Extender	PCB00495	ASS00495-0014950414- 021	2018-11-22	Conducted Tests
	170000-01.S04	Laptop	LATITUDE E5470	DMRKMC2	2017-05-10	
	181210-02.S04	RF Module	AX200D2WL	WFM:3413E8B10B66	2018-12-13	
	180001-01.S17	Adapter	Socket	8882-043	2018-11-22	
#02	180000-01.S15	Extender	PCB00495/PCB00496	4950414-064	2018-11-22	Radiated Spurious emission from 30
#02	181210-02.S16	Antenna	WIMAX/WLAN	-	2019-01-04	MHz to 6.4 GHz
	181210-02.S17	Antenna	WIMAX/WLAN	-	2019-01-04	
	170209-01.S16	PC Dell	Latitude E5470	C1HTPF2	2017-02-09	
	181210-02.S05	RF Module	AX200D2WL	WFM:3413E8B10BA7	2018-12-13	
	180001-01.S16	Adapter	Socket	8882-017	2018-12-19	
#03	180000-01.S12	Extender	PCB00495/PCB00496	ASS00495-001 4950414- 028	2018-11-22	Radiated Spurious emission from 6.4
#03	181210-02.S18	Antenna	WIMAX/WLAN	-	2019-01-04	GHz to 26.5 GHz
	181210-02.S19	Antenna	WIMAX/WLAN	-	2019-01-04	
	170801-01.S10	PC Dell	Latitude E5470	7KNOXF2	2017-09-08	

5. EUT Features

Brand Name	Intel® Wi-Fi 6 AX200		
Model Name	AX200D2WL		
FCC ID	PD9AX200D2L		
ISED ID	1000M-AX200D2L		
Software Version	OEM_DRTU_08900_11_18	350_0G	
Driver Version	20.110.0.3		
Prototype / Production	Production		
Supported Radios	802.11b/g/n/ax 802.11a/n/ac/ax	2.4GHz (2400.0 – 2483.5 MHz) 5.2GHz (5150.0 – 5350.0 MHz) 5.6GHz (5470.0 – 5725.0 MHz) 5.8GHz (5725.0 – 5850.0 MHz)	
	Bluetooth 5	2.4GHz (2400.0 – 2483.5 MHz)	
Antenna Information	CHAIN A: PIFA antenna. WiFi 2.4GHz & 5GHz and BT CHAIN B: PIFA antenna. WiFi 2.4GHz & 5GHz		
Additional Information			

6. Remarks and comments

N/A

7. Test Verdicts summary

7.1. BT Basic Data Rate / Enhanced Data Rate

FCC part	RSS part	Test name	Verdict
15.247 (a) (1)	RSS-247 Clause 5.1 (a) and (b)	20dB Bandwidth and Carrier frequency separation	Р
15.247 (a) (1) (iii)	RSS-247 Clause 5.1 (d)	Number of hopping channels	Р
15.247 (a) (1) (iii)	RSS-247 Clause 5.1 (d)	Time of Occupancy (Dwell Time)	Р
15.247 (b) (1)	RSS-247 Clause 5.4 (b)	Maximum Peak Output Power and antenna gain	Р
15.247 (d)	RSS-247 Clause 5.5	Out-of-band Emissions (conducted)	Р
15.247 (d) 15.209	RSS-247 Clause 5.5 RSS GEN Clause 8.9	Out-of-band Emissions (radiated)	Р

8. Document Revision History

Revision #	Date	Modified by	Revision Details
Rev. 00	2019-02-06	G.Gerbaud	First Issue



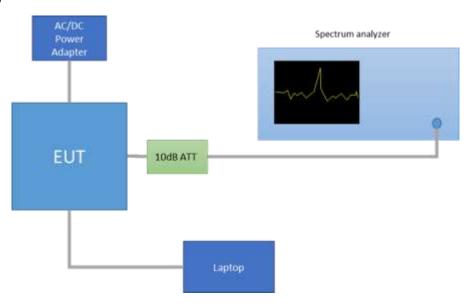
Annex A. Test & System Description

A.1 Measurement System

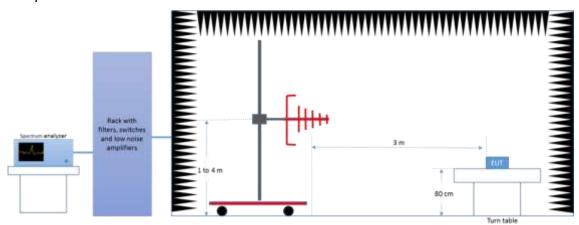
Measurements were performed using the following setups.

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.

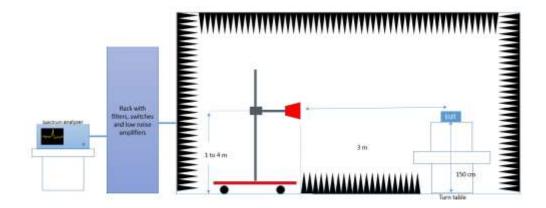
Conducted Setup



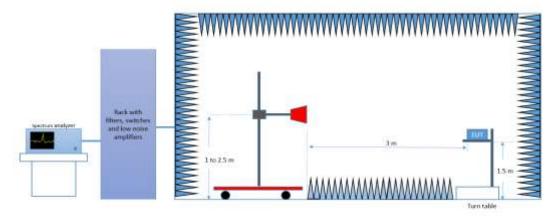
Radiated Setup 30 MHz- 1 GHz



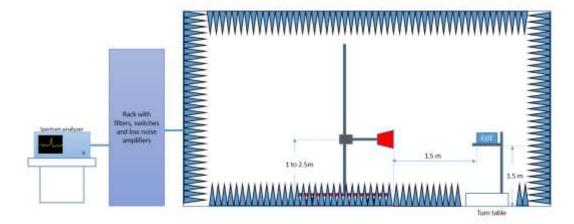
Radiated Setup 1 GHz - 6.4 GHz



Radiated Setup 6.4 GHz - 18 GHz



Radiated Setup 18 GHz – 26.5 GHz







Sample Calculation

The field strength is deduced from the radiated measurement using the following equation:

$$E = 126.8 - 20log(\lambda) + P - G$$

where

E is the field strength of the emission at the measurement distance, in dBµV/m

P is the power measured at the output of the test antenna, in dBm λ is the wavelength of the emission under investigation [300/f_{MHz}], in m G is the gain of the test antenna, in dBi

NOTE – The measured power P includes all applicable instrument correction factors up to the connection to the test

Antenna e.g. cable losses, amplifier gains.

For field strength measurements made at other than the distance at which the applicable limit is specified, the field strength of the emission at the distance specified by the limit is deduced as follows:

$$E_{SpecLimit} = E_{Meas} + 20log(D_{Meas}/D_{SpecLimit})$$

where

Espectimit is the field strength of the emission at the distance specified by the limit, in dBμV/m Emeas is the field strength of the emission at the measurement distance, in dBμV/m Dmeas is the measurement distance, in m Dspectimit is the distance specified by the limit, in m

A.2 Test Equipment List

Conducted Setup

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0258	Spectrum analyzer	FSV30	101318	Rohde & Schwarz	2018-04-12	2020-04-12

Radiated Setup-1

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0420	Spectrum analyzer	FSV40	101556	Rohde & Schwarz	2018-04-11	2020-04-11
0137	Log antenna 30 MHz – 1 GHz	3142E	00156946	ETS Lindgren	2017-12-19	2019-12-19
0325	Double Ridged Horn Antenna 1 GHz – 18 GHz	3117	00157734	ETS Lindgren	2017-08-22	2019-08-22
0135	Semi Anechoic chamber	FACT 3	5720	ETS Lindgren	2018-04-18	2020-04-18
0530	Measurement Software	EMC32	100623	Rohde & Schwarz	N/A	N/A
0616	Power Sensor 50MHz-18GHz	NRP-Z81	104385	Rohde & Schwarz	2018-04-16	2020-04-16
0013	Power Sensor 50MHz-18GHz	NRP-Z81	101152	Rohde & Schwarz	2018-04-16	2020-04-16

N/A: Not Applicable

Radiated Setup-2

ID#	Device	Type/Model	Serial #	Manufacturer	Cal. Date	Cal. Due Date
0133	Spectrum analyzer	FSV40	101358	Rohde & Schwarz	2018-05-17	2020-05-17
0141	Double Ridged Horn Antenna 1 GHz – 18 GHz	3117	00157736	ETS Lindgren	2018-05-11	2020-05-11
0334	Double Ridged Horn Antenna 18 GHz – 40 GHz	3116C-PA	00196308	ETS Lindgren	2017-08-22	2019-08-22
0337	Full Anechoic chamber	RFD_FA_100	5996	ETS Lindgren	2018-04-17	2020-04-17
0329	Measurement Software	EMC32	100401	Rohde & Schwarz	N/A	N/A
0617	Power Sensor 50MHz-18GHz	NRP-Z81	104386	Rohde & Schwarz	2018-04-16	2020-04-16
0618	Power Sensor 50MHz-18GHz	NRP-Z81	104382	Rohde & Schwarz	2018-04-16	2020-04-16

N/A: Not Applicable



A.3 Measurement Uncertainty Evaluation

The system uncertainty evaluation is shown in the below table:

Measurement type	Uncertainty [±dB]
Conducted Power	±1.0
Conducted Spurious Emission	±2.9
Radiated tests <1GHz	±3.8
Radiated tests 1GHz - 40 GHz	±4.7



Annex B. Test Results

B.1 20dB Bandwidth and carrier frequency separation

Test limits

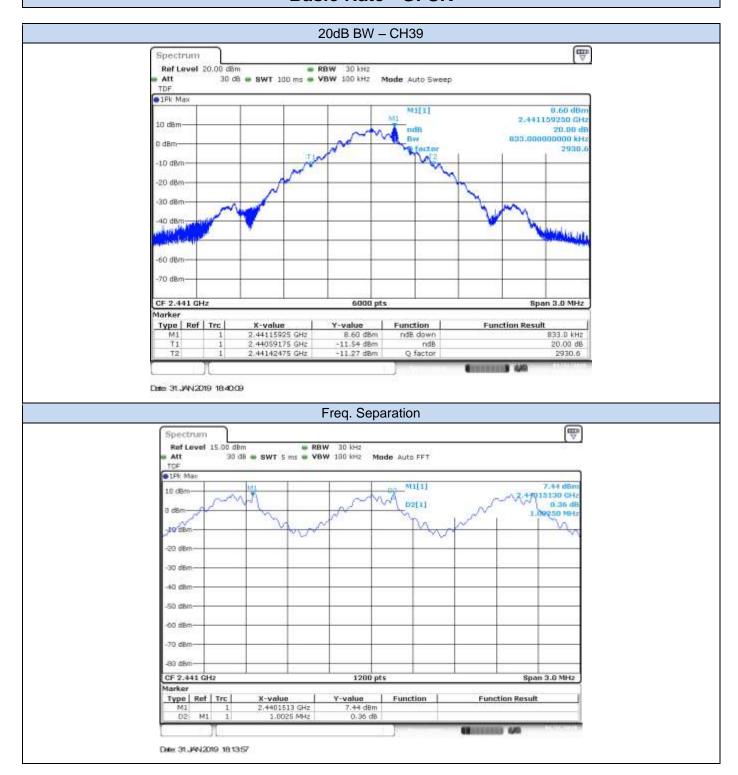
FCC part	RSS part	Limits
15.247 (a) (1)	RSS-247 Clause 5.1 (a) and (b)	Frequency hopping systems shall have hopping channel carrier frequencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 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.

Results tables:

Mode	Packet Type	Channel Number	Frequency [MHz]	20dB BW [MHz]	Freq. Separation [kHz]	
	DH5	0	2402	0.821		
Basic Rate GFSK		39	2441	0.833	1000	
		78	2480	0.806		
	2DH5	0	2402	1.400		
EDR π/4-DQPSK		39	2441	1.317	1000	
		78	2480	1.398		
EDR 8-DPSK	3DH5	0	2402	1.397		
		39	2441	1.389	1000	
		78	2480	1.396		

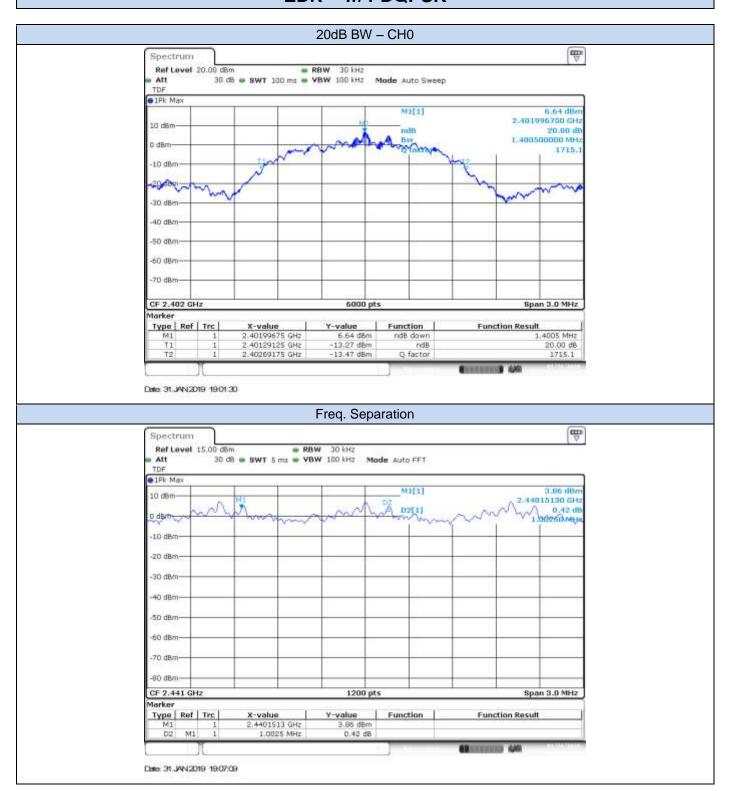
Results screenshot

Basic Rate - GFSK





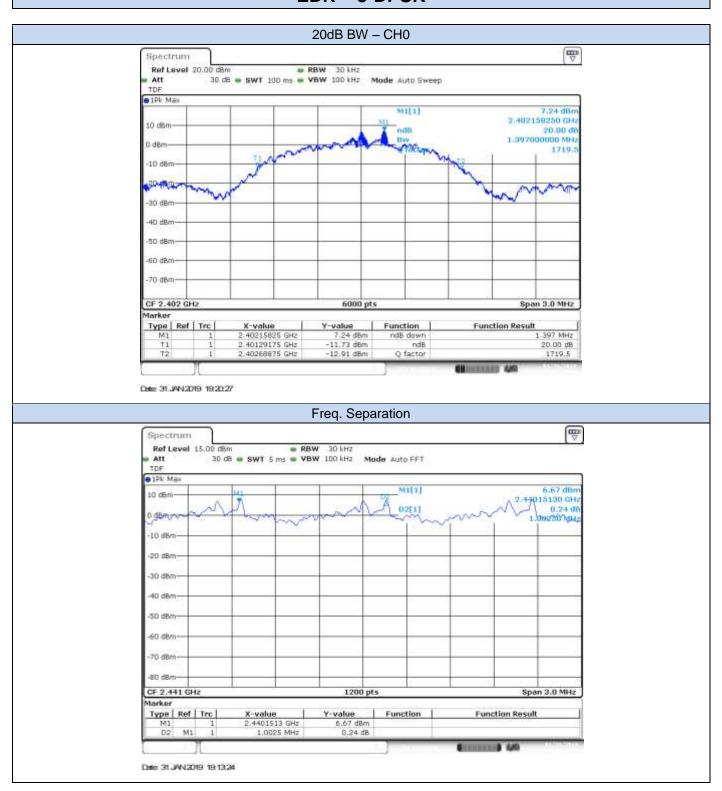
EDR $-\pi/4$ -DQPSK







EDR - 8-DPSK





B.2 Number of hopping channels

Test limits

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

Test procedure

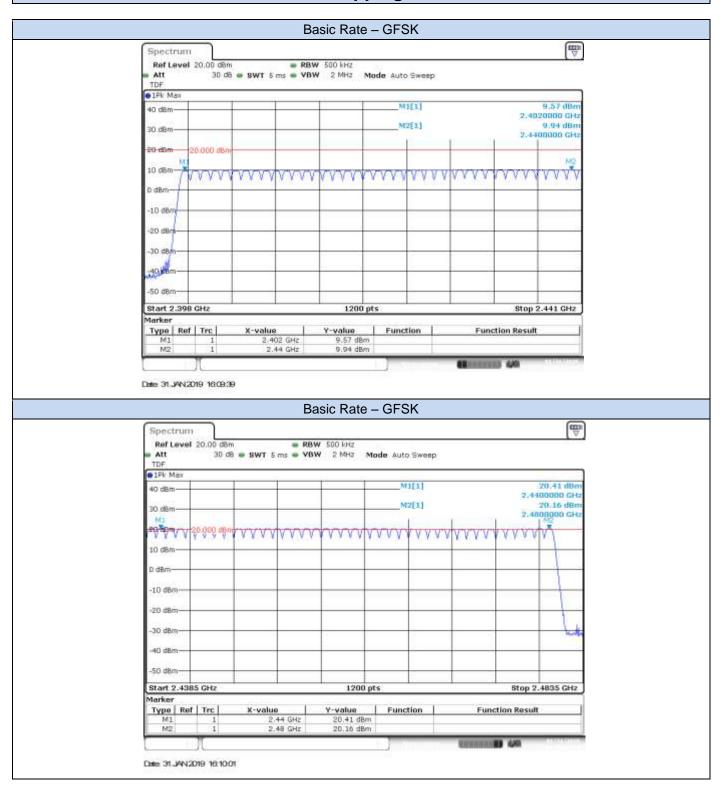
The conducted setup shown in section *Test & System Description* was used to measure the number of hopping channels. The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

Results tables

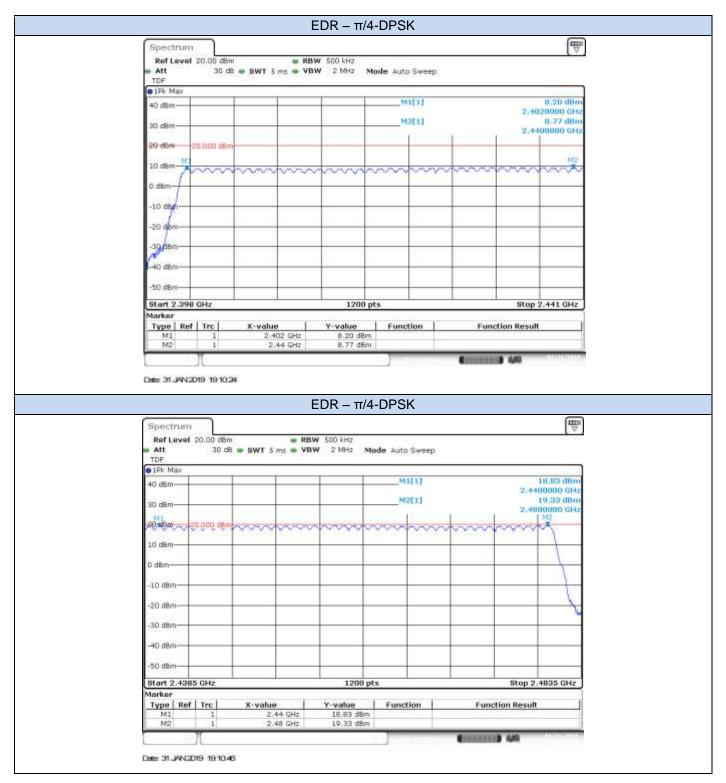
Mode	Packet Type	Number of hopping channels	
Basic Rate GFSK	DH5	79	
EDR π/4-DQPSK	2DH5	79	
EDR 8-DPSK	3DH5	79	



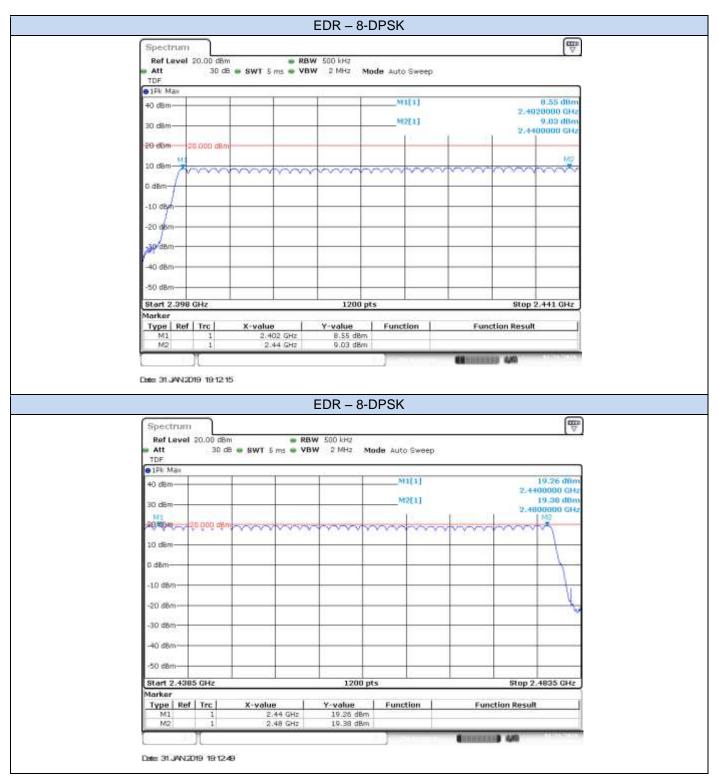
Number of hopping channels







Rev 00



B.3 Time of Occupancy (Dwell Time)

FCC part	RSS part	Limits
15.247 (a) (1) (iii)	RSS-247 Clause 5.1 (d)	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 conducted setup shown in section *Test & System Description* 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 625 µs.

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 166.67/79 = 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.

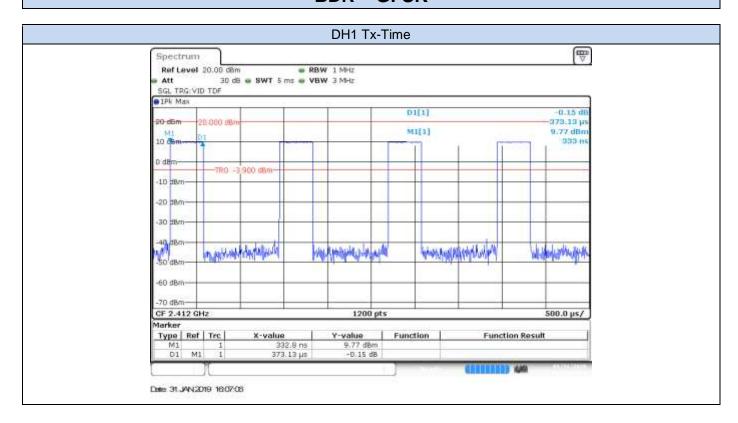
Thus, the total time of occupancy is obtained by multiplying the calculated maximum number of appearances per packet type and the measured Tx-time, as shown in the results screenshots.

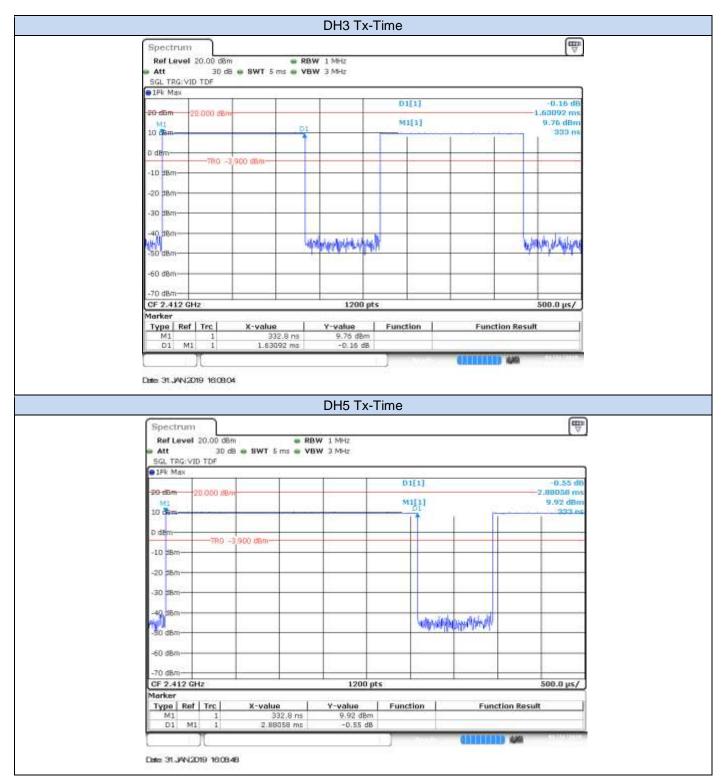
Results tables

Mode	Packet Type	Times of appearance	Tx-time [ms]	Dwell Time [ms]
Davis Data	DH1	320.11	0.373	119.40
Basic Rate GFSK	DH3	161.16	1.630	262.69
OI OIL	DH5	106.49	2.880	306.69
EDD	2-DH1	320.11	0.380	121.64
EDR π/4-DQPSK	2-DH3	161.16	1.630	262.69
11/4 DQ1 010	2-DH5	106.49	2.865	305.09
EDD	3-DH1	320.11	0.381	121.96
EDR 8-DPSK	3-DH3	161.16	1.623	261.56
0 01 010	3-DH5	106.49	2.889	307.65

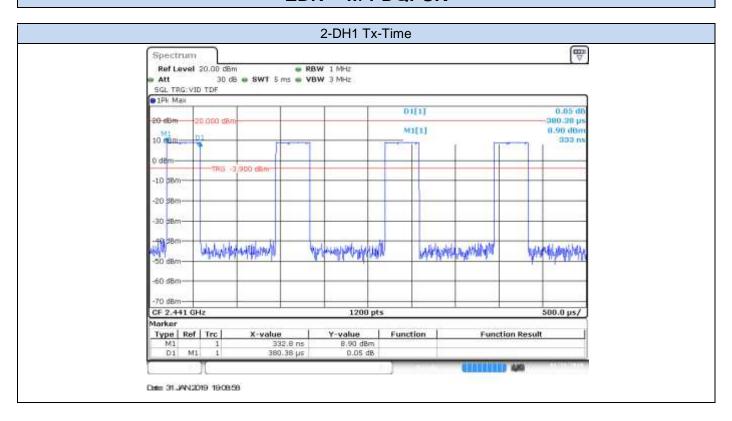
Results Screenshot:

BDR - GFSK

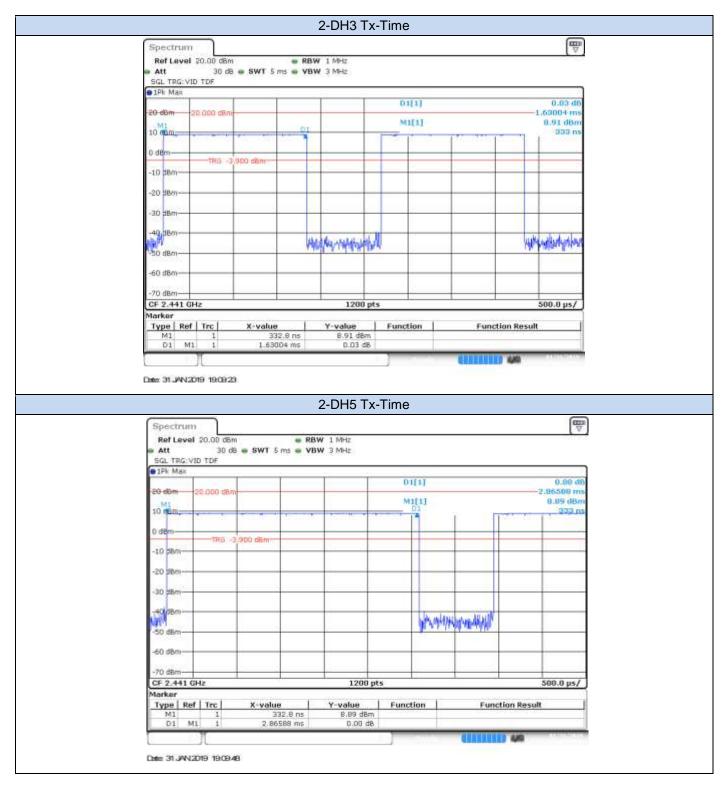




EDR $-\pi/4$ -DQPSK



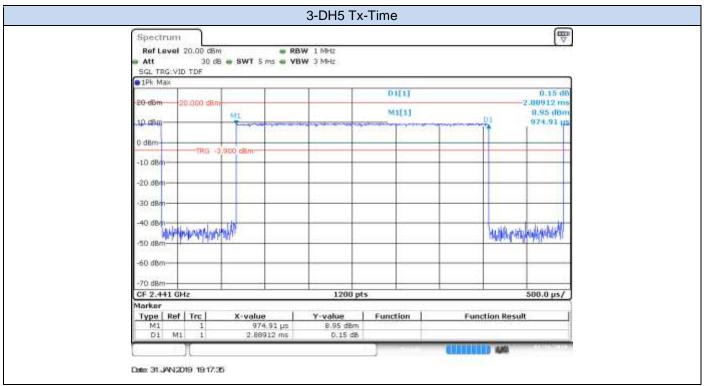




EDR - 8-DPSK







B.4 Maximum Peak Output Power antenna gain

Test Limits

FCC part	RSS part	Limits
15.247 (b) (1)	RSS-247 Clause 5.4 (b)	 (b) The maximum peak conducted output power of the intentional radiator shall not exceed the following: (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. () (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.

Test procedure

The conducted setup shown in section *Test & System Description* 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.

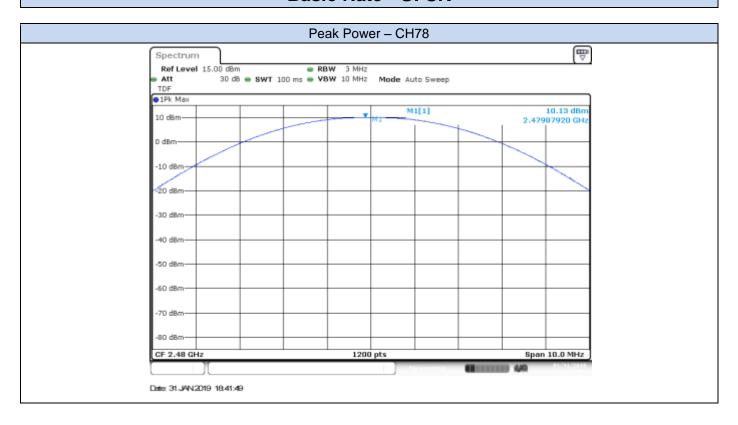
The declared maximum antenna gain is 3.24dBi.

Results tables

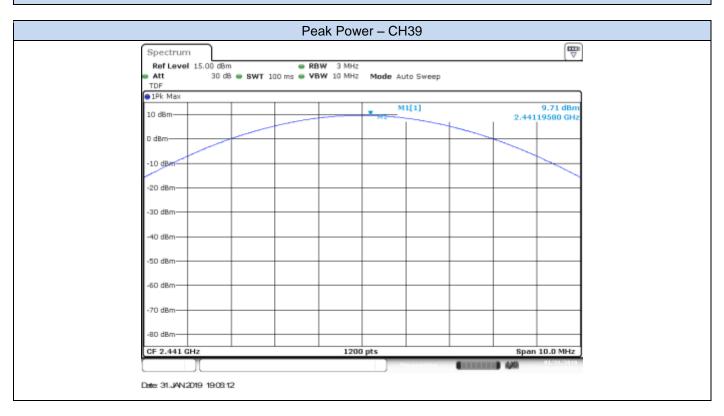
Mode	Packet Type	Channel Number	Frequency [MHz]	Peak Power [dBm]	Peak Power [mW]	Peak Power EIRP [dBm]	Peak Power EIRP [mW]
		0	2402	9.83	9.62	13.07	20.28
Basic Rate GFSK	DH5	39	2441	10.08	10.19	13.32	21.48
		78	2480	10.13	10.30	13.37	21.73
	2DH5	0	2402	9.44	8.79	12.68	18.54
EDR π/4-DQPSK		39	2441	9.71	9.35	12.95	19.72
		78	2480	9.44	8.79	12.68	18.54
	3DH5	0	2402	9.52	8.95	12.76	18.88
EDR 8-DPSK		39	2441	9.70	9.33	12.94	19.68
		78	2480	9.44	8.79	12.68	18.54

Results Screenshot

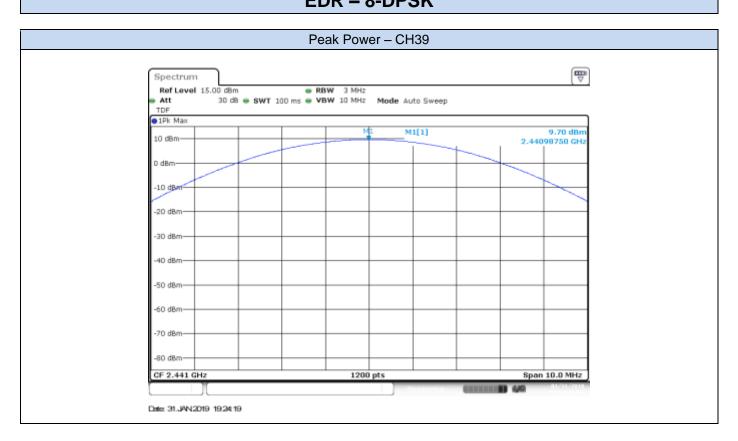
Basic Rate - GFSK



EDR $-\pi/4$ -DQPSK



EDR – 8-DPSK



B.5 Out-of-band emission (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

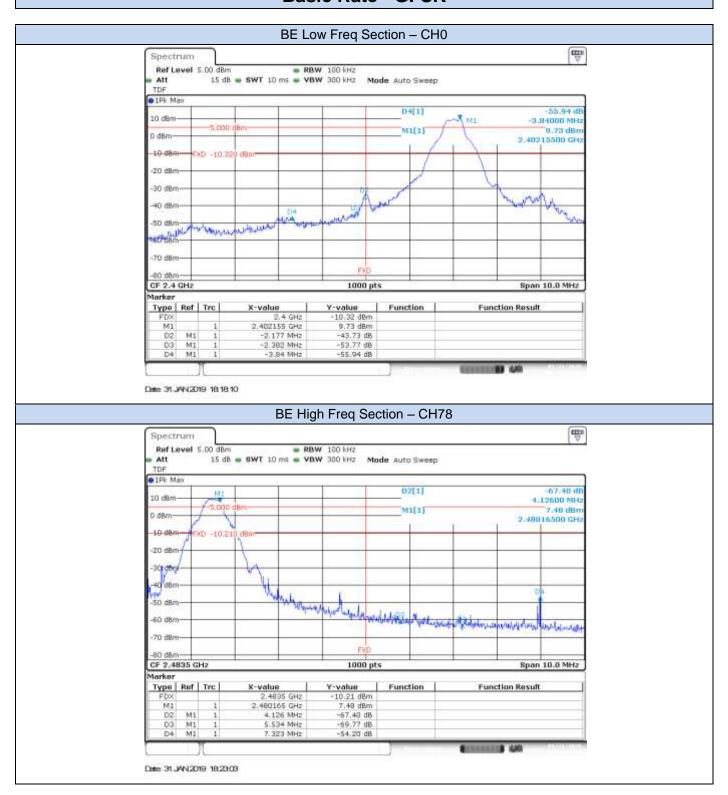
The conducted setup shown in section *Test & System Description* was used to measure the out-of-band emissions (conducted). The antenna terminal of the EUT is connected to the spectrum through an attenuator, and the spectrum analyzer reading is compensated to include the RF path loss.

Note: these PSD_{Peak} values are shown just as a reference for the compliance of the Out-of-band Measurements. Thus the RBW used for these measurements was 100 kHz.

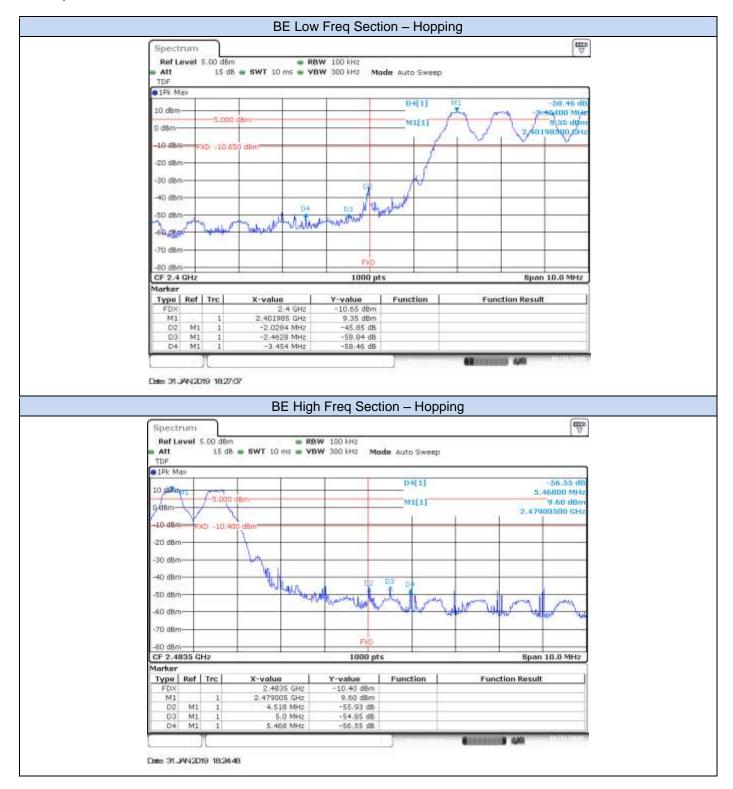
Mode	Packet Type	СН	Frequency [MHz]	PSD Peak [dBm/100kHz]
Dania Data		0	2402	9.73
Basic Rate - GFSK	DH5	39	2441	9.02
OI OIL		78	2480	9.60
EDD -/4	2DH5	0	2402	8.54
EDR – π/4- DQPSK		39	2441	7.34
DQI SIX		78	2480	8.29
	3DH5	0	2402	8.58
EDR – 8-DPSK		39	2441	8.99
		78	2480	8.25



Basic Rate - GFSK

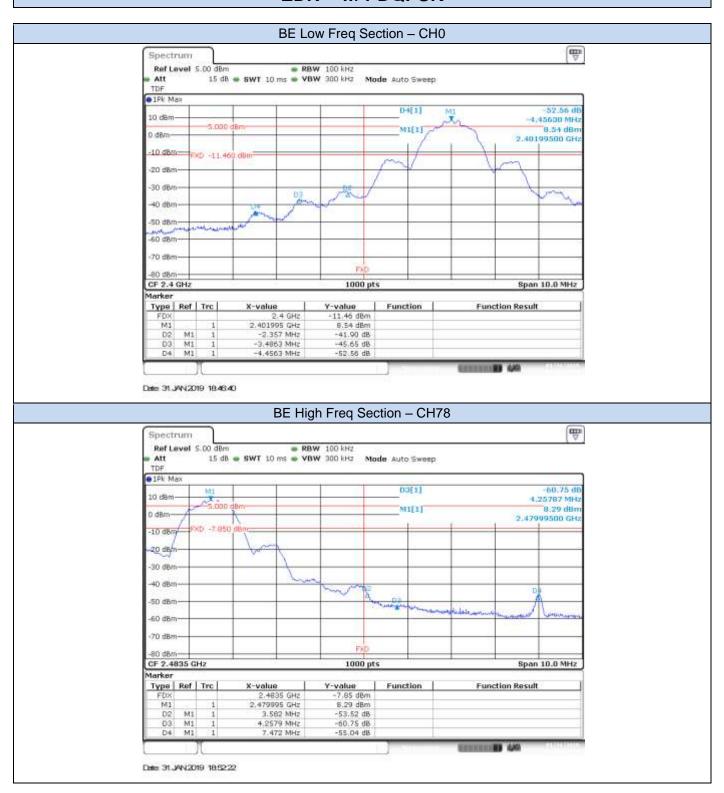








EDR $-\pi/4$ -DQPSK

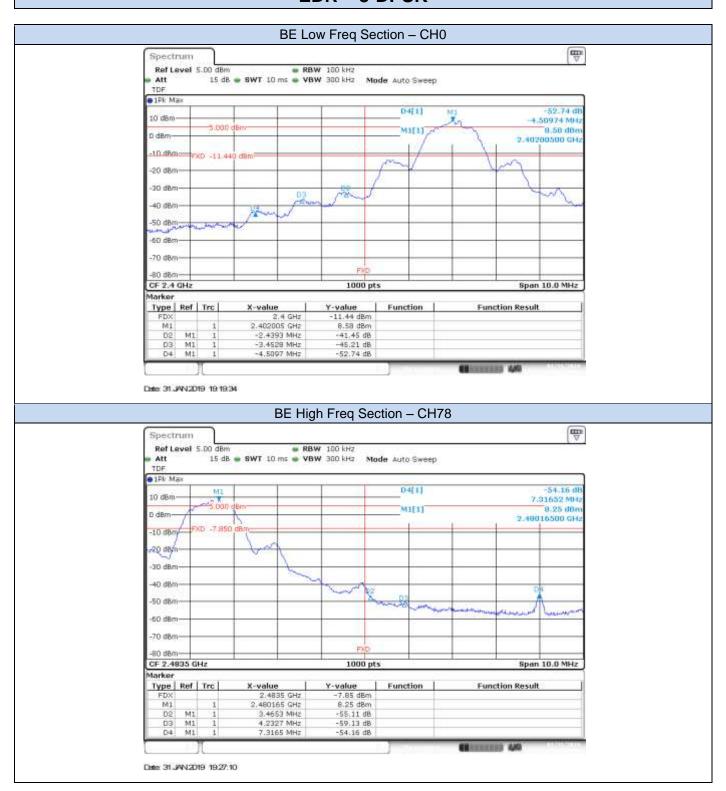




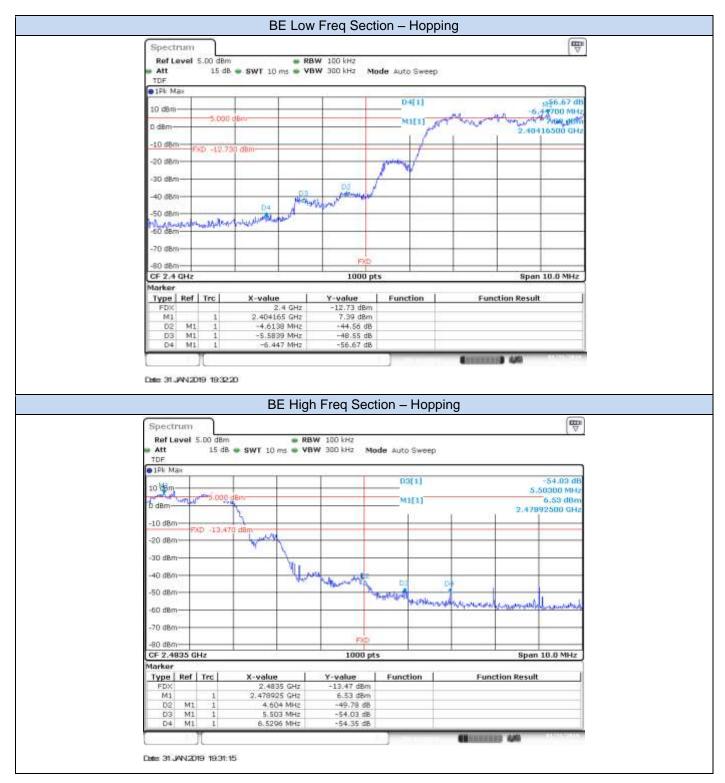




EDR - 8-DPSK



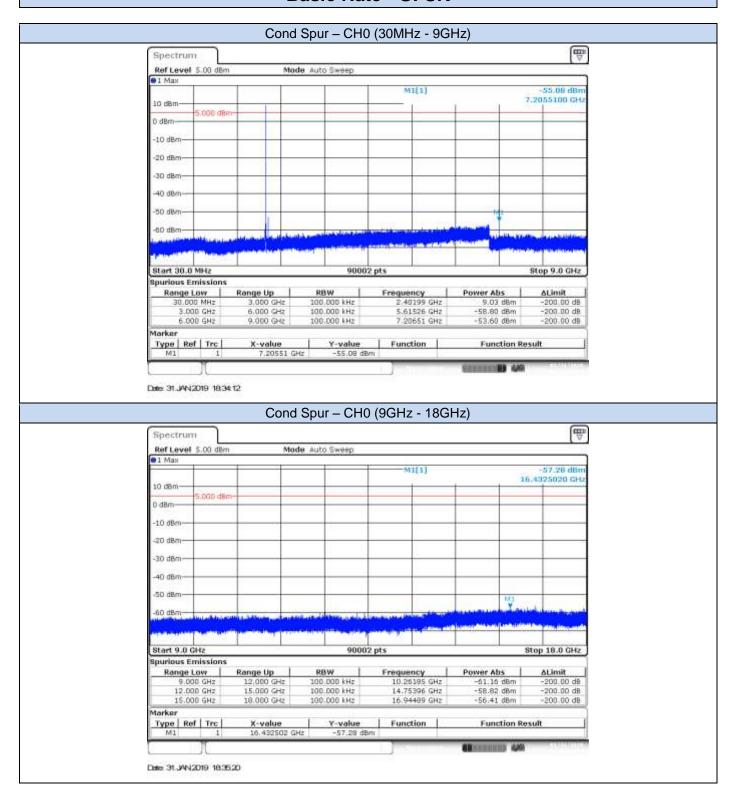


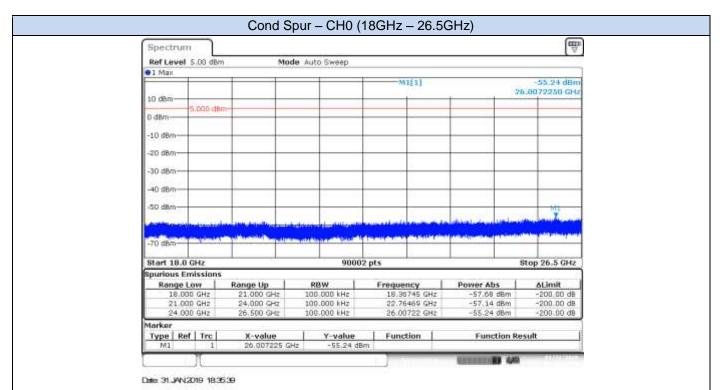




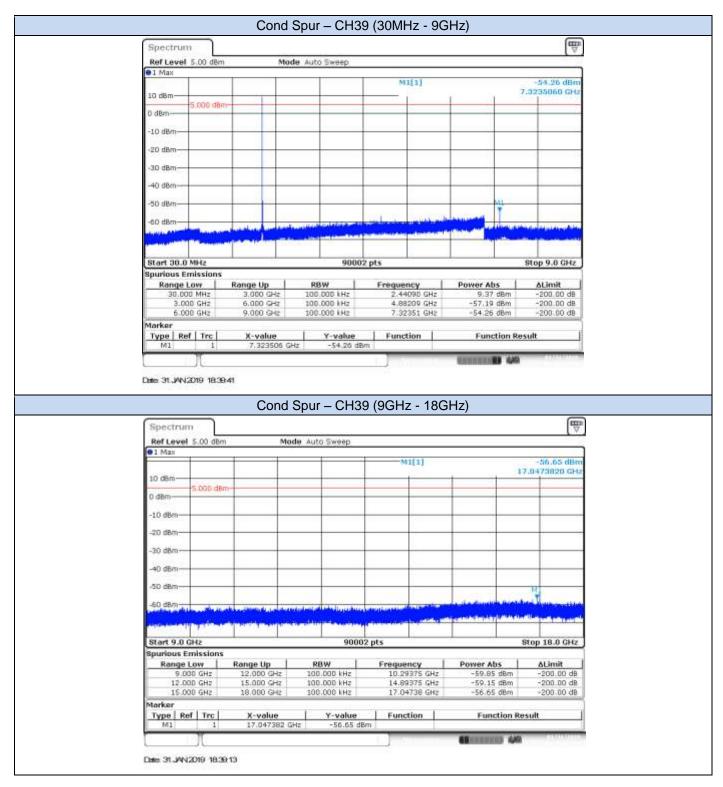
Conducted Spurious results Screenshot

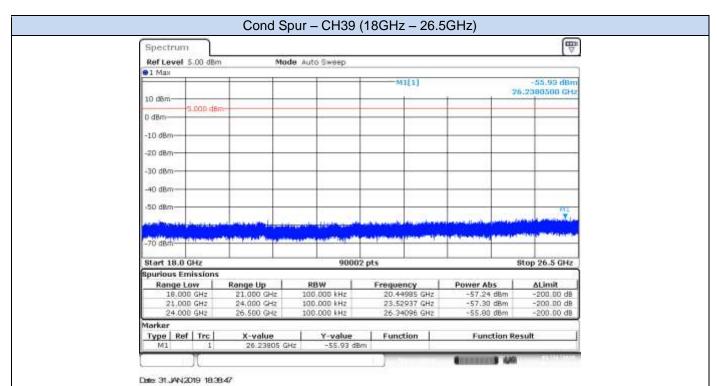
Basic Rate - GFSK



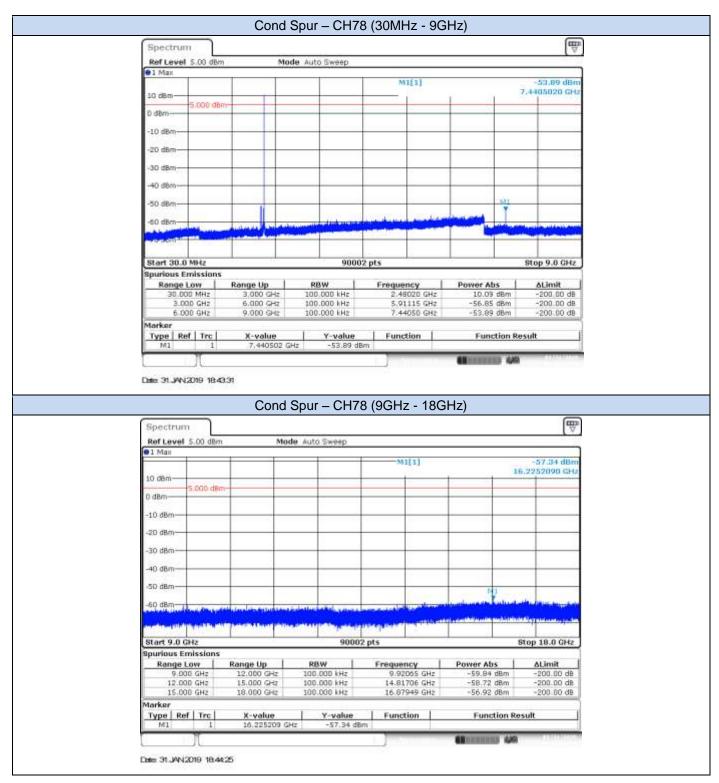


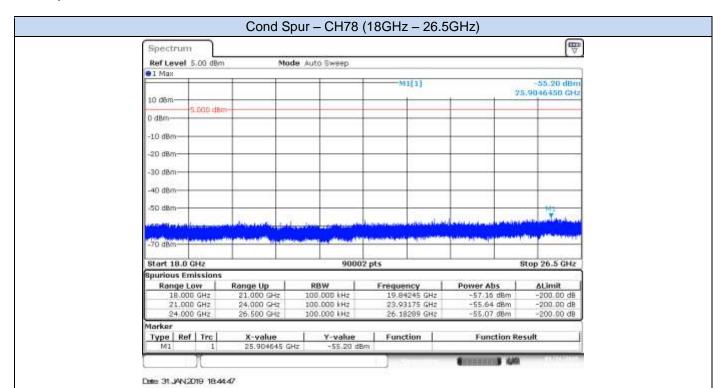






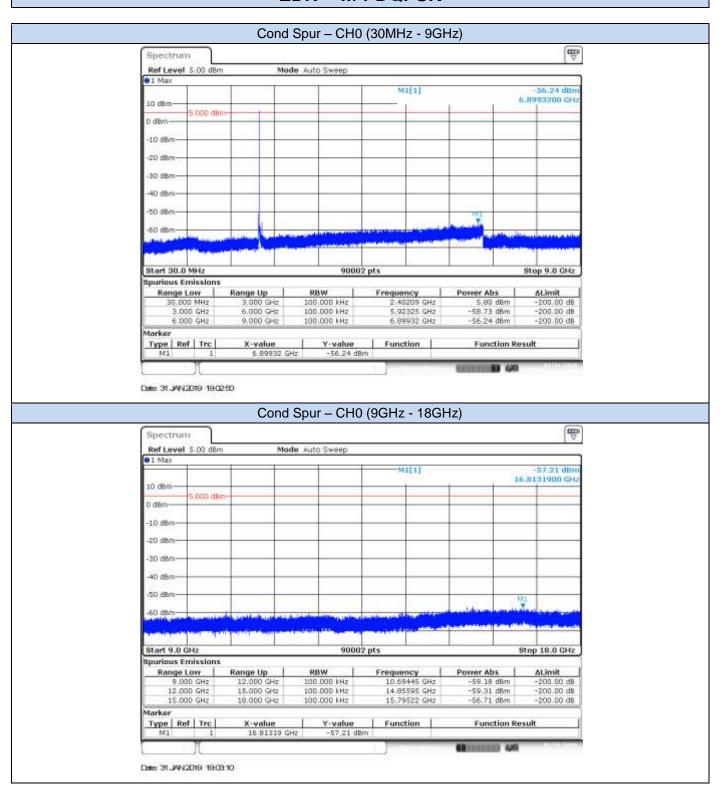


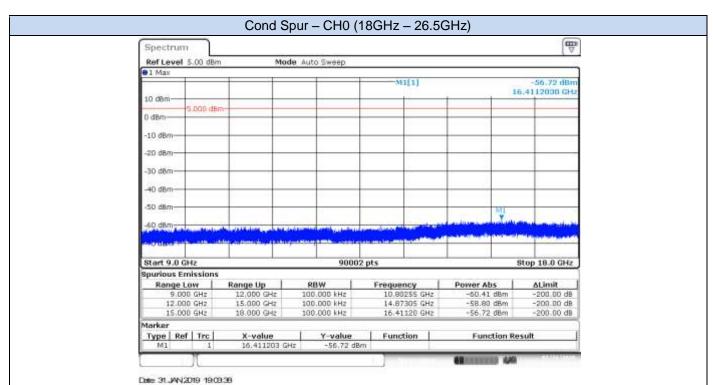




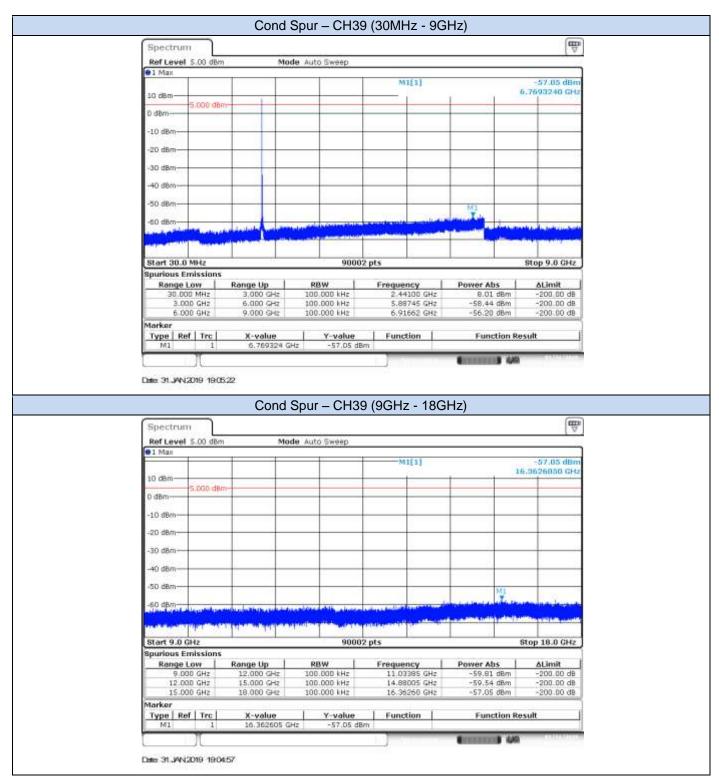


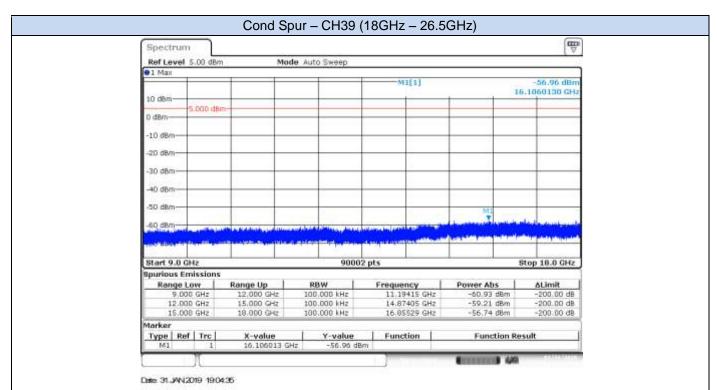
EDR $-\pi/4$ -DQPSK

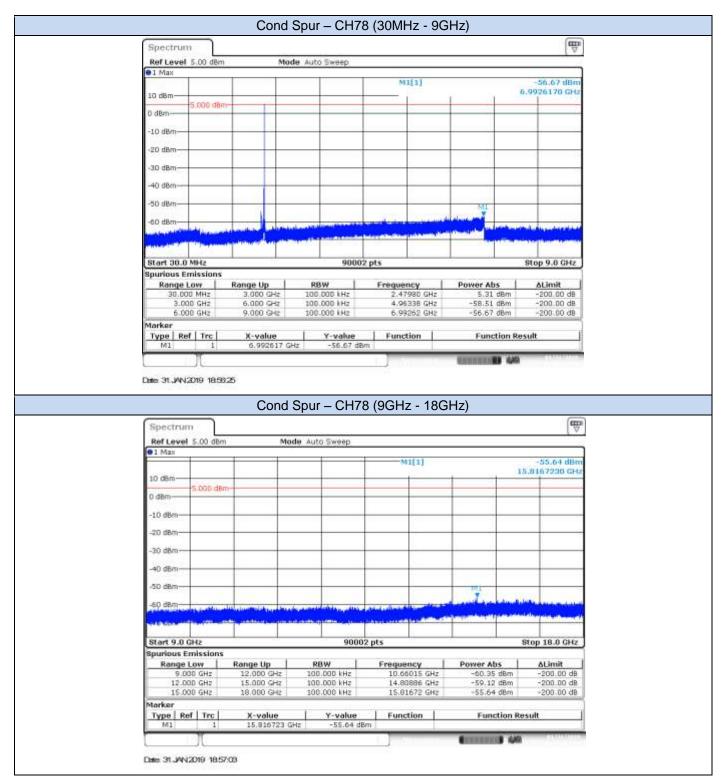


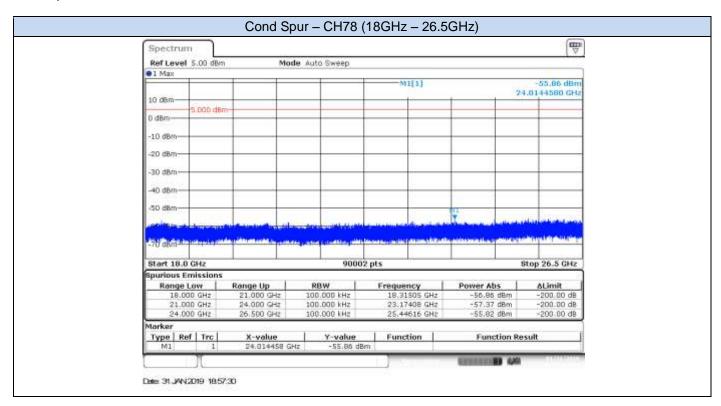


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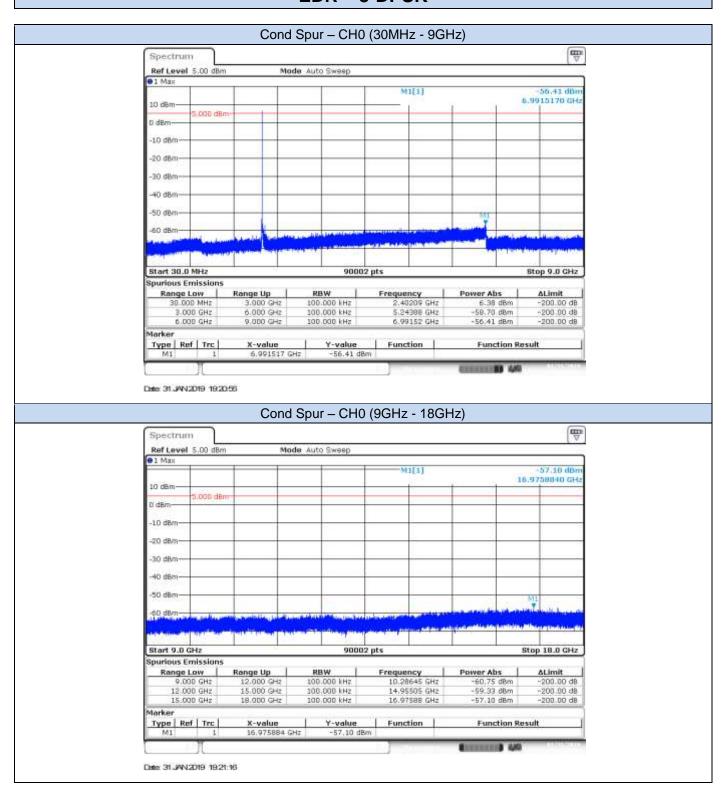


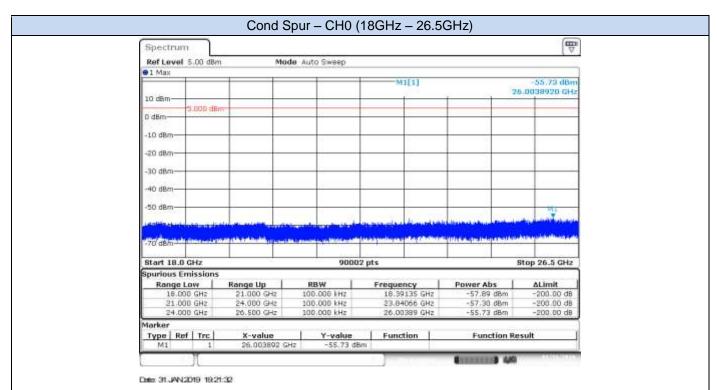


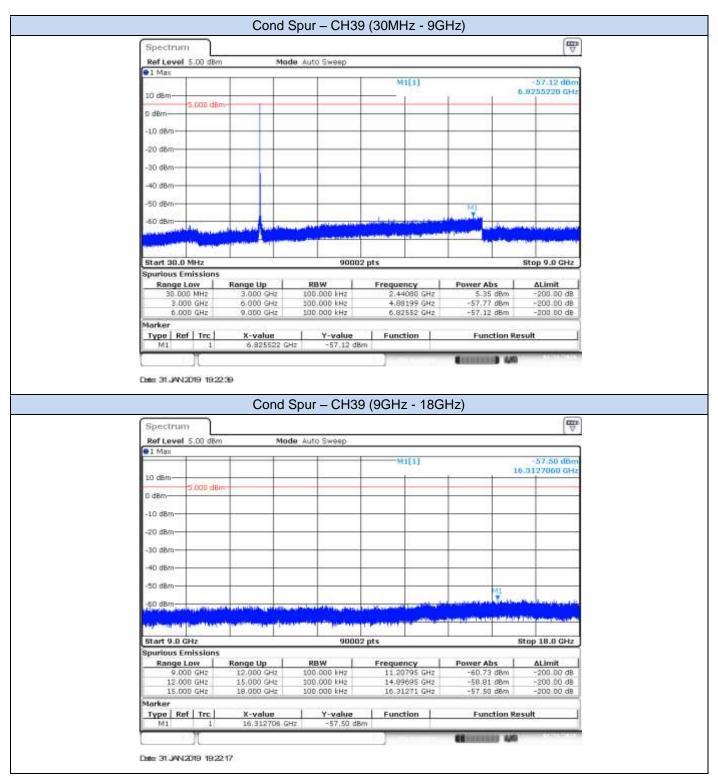


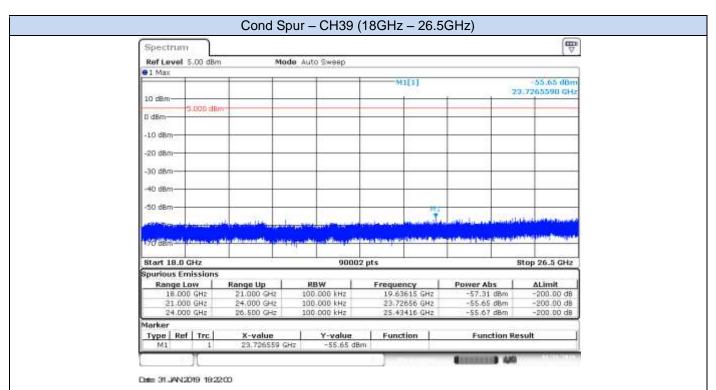


EDR - 8-DPSK

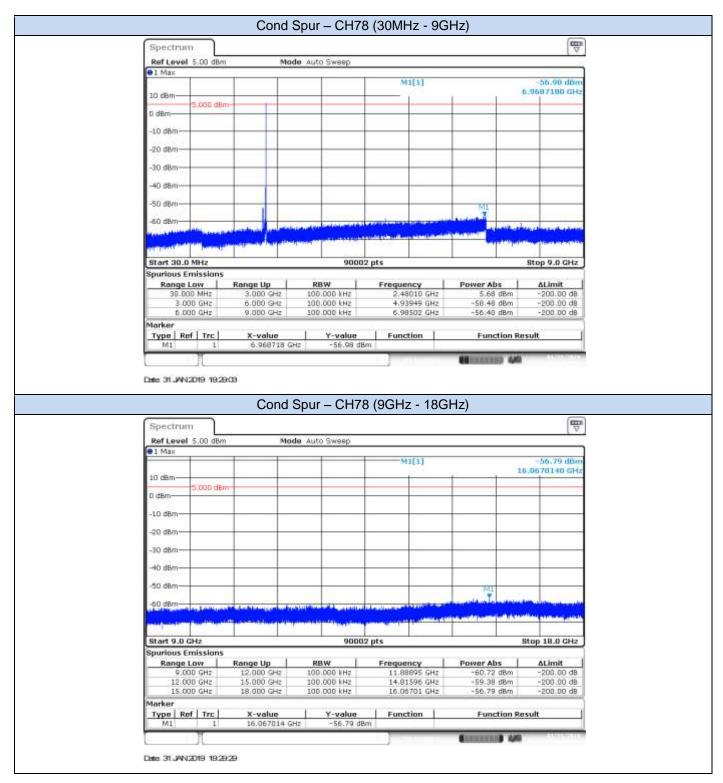


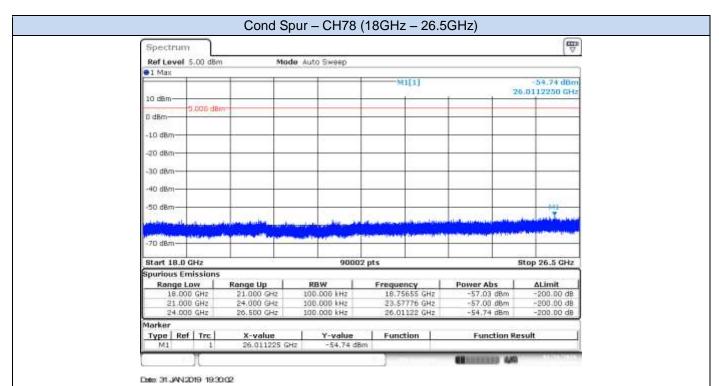












B.6 Radiated spurious emission

Standards references

FCC part	RSS part	Limits					
						defined in §15.2 cified in §15.209(
		Fr	req Range (MHz)	Field Stregth (μV/m)	Field Stregth (dBμV/m)	Meas. Distance (m)	
			30-88	100	40	3	
	RSS-247 Clause 5.5		88-216	150	43.5	3	
			216-960	200	46	3	
15.247 (d)		А	bove 960	500	54	3	
15.209 (a)	RSS GEN Clause 8.9	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. 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.					s 9-90 these or. s also

Test procedure:

The radiated setups shown in section *Test & System Description* 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, the EUT azimuth over 360° and for both Vertical and Horizontal polarizations.

The radiated spurious emission was measured on the worst case configuration found.

30 MHz - 26.5 GHz, BR - GFSK

Radiated Spurious - CH0 DH5

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBμV/m	dBμV/m	dB
407.7	34.8		46.0	11.2
576.1	30.6		46.0	15.5
6321.0	57.4		74.0	16.6
6324.0		44.7	54.0	9.3
7205.2		36.9	54.0	17.1
7226.5	47.7		74.0	26.3
21999.7	46.9		74.0	27.1
22000.1		39.6	54.0	14.4

Radiated Spurious - CH39 DH5

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBμV/m	dB
408.0	33.7		46.0	12.3
576.0	30.9		46.0	15.1
6319.5		45.0	54.0	9.0
6326.5	56.0		74.0	18.0
7280.6	47.7		74.0	26.3
7323.2		37.7	54.0	16.3
22000.1		39.8	54.0	14.2
22005.2	46.8		74.0	27.2

Radiated Spurious - CH78 DH5

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBμV/m	dBμV/m	dB
407.7	32.1		46.0	13.9
576.0	31.2		46.0	14.8
6325.0		44.6	54.0	9.4
6329.0	57.5		74.0	16.5
7439.7	47.3		74.0	26.7
7439.7		40.7	54.0	13.3
21999.7		39.8	54.0	14.2
22011.2	45.5		74.0	28.5

30 MHz – 26.5 GHz, EDR – $\pi/4$ -DQPSK

Radiated Spurious - CH0 2DH5

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBμV/m	dBμV/m	dB
407.7	32.8		46.0	13.2
576.0	31.2		46.0	14.8
6311.5		44.4	54.0	9.6
6315.5	58.2		74.0	15.8
16351.8	51.6		74.0	22.4
16378.4		40.1	54.0	13.9
21999.7	47.9		74.0	26.1
22000.1		40.6	54.0	13.4

Radiated Spurious - CH39 2DH5

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBµV/m	dBµV/m	dBμV/m	dB
407.6	32.0		46.0	14.0
576.0	31.0		46.0	15.0
6318.0		44.9	54.0	9.1
6320.0	56.9		74.0	17.1
16712.4	51.6		74.0	22.4
16712.4		40.2	54.0	13.8
22000.1		39.5	54.0	14.5
22025.2	47.3		74.0	26.7



Radiated Spurious - CH78 2DH5

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBμV/m	dBµV/m	dBμV/m	dB
407.7	32.6		46.0	13.4
574.1	29.5		46.0	16.5
6323.5		44.8	54.0	9.2
6323.5	56.8		74.0	17.2
7423.2	47.3		74.0	26.7
7439.7		37.1	54.0	16.9
22000.1	47.1		74.0	26.9
22000.1		40.9	54.0	13.1

30 MHz - 26.5 GHz, EDR - 8-DPSK

Radiated Spurious - CH0 3DH5

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
407.7	31.6		46.0	14.4
576.1	31.1		46.0	14.9
6324.0		44.9	54.0	9.1
6325.5	56.8		74.0	17.2
7000.3		36.2	54.0	17.8
7001.8	46.8		74.0	27.2
16715.3	51.5		74.0	22.5
16753.5		40.3	54.0	13.7
21999.7	46.7		74.0	27.3
22000.1		40.8	54.0	13.2

Radiated Spurious - CH39 3DH5

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
407.7	32.5		46.0	13.5
576.0	31.0		46.0	15.0
6322.0		45.0	54.0	9.0
6323.0	56.1		74.0	17.9
16709.5		39.9	54.0	14.1
16733.7	52.0		74.0	22.0
21999.7	47.2		74.0	26.8
22000.1		40.6	54.0	13.4

Radiated Spurious - CH78 3DH5

Frequency	MaxPeak	Avg	Limit	Margin
MHz	dBμV/m	dBμV/m	dBμV/m	dB
407.7	32.4		46.0	13.6
576.0	31.9		46.0	14.1
6316.0	56.3		74.0	17.7
6322.0		44.7	54.0	9.3
7439.7		37.1	54.0	16.9
7460.9	47.2		74.0	26.8
22000.1		40.3	54.0	13.7
22007.8	47.1		74.0	26.9