TEST REPORT

Reference No. : WTS17S1194671-1E V1

FCC ID : 2AC7IEKOOQ60

Applicant.....: Interglobe Connection Corp

Manufacturer: The same as above

Address: The same as above

Product.....: Smart Phone

Model(s). : Omega LTE Q60

Brand Name: EKO

Standards...... : FCC CFR47 Part 15.247: 2016

Date of Receipt sample : 2017-11-10

Date of Test : 2017-11-12 to 2017-12-04

Date of Issue : 2017-12-14

Test Result..... : Pass

Remarks:

The results shown in this test report refer only to the sample(s) tested, this test report cannot be reproduced, except in full, without prior written permission of the company. The report would be invalid without specific stamp of test institute and the signatures of compiler and approver.

Prepared By:

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Compiled by:

Ford Wang / Project Engineer

Philo Zhong / Manager

approved by:

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2 Laboratories Introduction

Waltek Services Test Group Ltd. is one of the largest and the most comprehensive third party testing organizations in China, our headquarter located in Shenzhen (CNAS Registration No. L3110, A2LA Certificate Number: 4243.01) and have branches in Foshan (CNAS Registration No. L6478), Dongguan (CNAS Registration No. L9950), Zhongshan, Suzhou (CNAS Registration No. L7754), Ningbo and Hong Kong, Our test capability covered four large fields: safety test. Electronic Magnetic Compatibility(EMC), reliability and energy performance, Chemical test. Meanwhile, Waltek has got recognition as registration and accreditation laboratory from EMSD (Electrical and Mechanical Services Department), and American Energy star, FCC(The Federal Communications Commission), CPSC(Consumer Product Safety Commission), CEC(California energy efficiency), IC(Industry Canada) and ELI(Efficient Lighting Initiative). It's the strategic partner and data recognition laboratory of international authoritative organizations, such as UL, Intertek(ETL-SEMKO), CSA, TÜV Rheinland, TÜV SÜD, etc. As a professional, comprehensive, justice international test organization, we still keep the scientific and rigorous work attitude to help each client satisfy the international standards and assist their product enter into globe market smoothly.

Waltek Services (Shenzhen) Co., Ltd.

A. Accreditations for Conformity Assessment (International)

Country/Region	Accreditation Body	Scope	Note
USA		FCC ID \ DOC \ VOC	1
Canada		IC ID \ VOC	2
Japan	CNAS	MIC-T \ MIC-R	-
Europe	(Registration No.: L3110)	EMCD \ RED	-
Taiwan	A2LA	NCC	-
Hong Kong	(Certificate No.: 4243.01)	OFCA	-
Australia		RCM	-
India		WPC	-
Thailand	International Services	NTC	-
Singapore		IDA	-

Note:

- 1. FCC Designation No.: CN1201. Test Firm Registration No.: 523476.
- 2. IC Canada Registration No.: 7760A

B. TCBs and Notify Bodies Recognized Testing Laboratory.

Recognized Testing Laboratory of	Notify body number

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TUV Rheinland	
Intertek	
TUV SUD	Optional.
SGS	
Phoenix Testlab GmbH	0700
Element Materials Technology Warwick Ltd	0891
Timco Engineering, Inc.	1177
Eurofins Product Service GmbH	0681

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4 Revision History

Test report No.	Date of Receipt sample	Date of Test	Date of Issue	Purpose	Comment	Approved
WTS17S11946 71-1E	2017-11-10	2017-11-12 to 2017-12- 04	2017-12-05	original	-	Replaced
WTS17S11946 71-1E V1	2017-11-10	2017-11-12 to 2017-12- 04	2017-12-14	Version 1	Updated	Valid

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5 General Information

5.1 General Description of E.U.T.

Product: Smart Phone

Model(s): Omega LTE Q60

Model Description: N/A

GSM Band(s): GSM 850/900/1800/1900MHz

GPRS/EGPRS Class: 12

WCDMA Band(s): FDD Band II/IV/V

LTE Band(s): FDD Band 4/7

Wi-Fi Specification: 2.4G-802.11b/g/n HT20/n HT40

Bluetooth Version: Bluetooth v4.0 with BLE

GPS: Support

NFC: N/A

Hardware Version: D6S_03_C00SEA

Software Version: EKO OMEGA LTE Q60_CA_V1.0

Highest frequency

1.25G

(Exclude Radio):

Storage Location: Internal Storage

Note: N/A

5.2 Details of E.U.T.

Operation Frequency: GSM/GPRS/EDGE 850: 824~849MHz

PCS/GPRS/EDGE 1900: 1850~1910MHz

WCDMA Band II: 1850~1910MHz WCDMA Band V: 824~849MHz WCDMA Band IV:1710~1755MHz LTE Band 4: 1710~1755MHz LTE Band 7: 2500-2570MHz

WiFi:

802.11b/g/n HT20: 2412~2462MHz 802.11n HT40: 2422~2452MHz Bluetooth: 2402~2480MHz

Max. RF output power: GSM 850: 32.71dBm

PCS1900: 29.82dBm

WCDMA Band II: 22.88dBm WCDMA Band V: 22.55dBm WCDMA Band IV: 22.68dBm LTE Band 4: 21.87dBm

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LTE Band 7: 21.92dBm WiFi(2.4G): 9.43dBm

Bluetooth: 3.06dBm

Type of Modulation: GSM,GPRS: GMSK

EDGE: GMSK, 8PSK

WCDMA: BPSK, 16QAM LTE: QPSK, 16QAM WiFi: CCK, OFDM

Bluetooth: GFSK, Pi/4 DQPSK, 8DPSK

Antenna installation: GSM/WCDMA/LTE: internal permanent antenna

WiFi/Bluetooth: internal permanent antenna

Antenna Gain: GSM 850: -3.5dBi

PCS1900: -1.0dBi

Bluetooth: 2.0dBi

WCDMA Band II: -1.0dBi WCDMA Band V: -3.5dBi CDMA Band IV: -1.2dBi LTE Band 4: -1.2dBi LTE Band 7: 1.5dBi WiFi(2.4G): 2.0dBi

Battery DC 3.8V, 2900mAh

DC 5V, 1.0A, charging from adapter

(Adapter Input: 100-240V~50/60Hz 0.15A)

Adapter: Manufacture: Shenzhen GuangYuanSheng Technology Co.,Ltd.

Model No.: 853-5010

Ratings:

5.3 Channel List

Normal

Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)	Channel No.	Frequency (MHz)
0	2402	1	2403	2	2404	3	2405
4	2406	5	2407	6	2408	7	2409
8	2410	9	2411	10	2412	11	2413
12	2414	13	2415	14	2416	15	2417
16	2418	17	2419	18	2420	19	2421
20	2422	21	2423	22	2424	23	2425
24	2426	25	2427	26	2428	27	2429
28	2430	29	2431	30	2432	31	2433
32	2434	33	2435	34	2436	35	2437
36	2438	37	2439	38	2440	39	2441
40	2442	41	2443	42	2444	43	2445
44	2446	45	2447	46	2448	47	2449
48	2450	49	2451	50	2452	51	2453
52	2454	53	2455	54	2456	55	2457
56	2458	57	2459	58	2460	59	2461
60	2462	61	2463	62	2464	63	2465
64	2466	65	2467	66	2468	67	2469
68	2470	69	2471	70	2472	71	2473
72	2474	73	2475	74	2476	75	2477
76	2478	77	2479	78	2480	-	-

5.4 Test Mode

All test mode(s) and condition(s) mentioned were considered and evaluated respectively by performing full tests; the worst data were recorded and reported.

Test mode	Low channel	Middle channel	High channel	
Transmitting	2402MHz	2441MHz	2480MHz	

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6 Test Summary

Test Items	Test Requirement	Result	
	15.205(a)		
Radiated Spurious Emissions	15.209	PASS	
	15.247(d)		
Conducted Spurious emissions	15.247(d)	PASS	
David adva	15.247(d)	DACC	
Band edge	15.205(a)	PASS	
Conducted Emission	15.207	PASS	
20dB Bandwidth	15.247(a)(1)	PASS	
Maximum Peak Output Power	15.247(b)(1)	PASS	
Frequency Separation	15.247(a)(1)	PASS	
Number of Hopping Frequency	15.247(a)(1)(iii)	PASS	
Dwell time	15.247(a)(1)(iii)	PASS	
Antenna Requirement	15.203	Complies	
Maximum Permissible Exposure	4.4007/5)/4)	DACC	
(Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS	

7 Equipment Used during Test

7.1 Equipments List

Item	Condu	cted Emissions Test S					
2. LISN R&S ENV216 101215 2017-09-12 2018-09-11				Model No.	Serial No.	Calibration	
Top TyPE16(3.5M) - 2017-09-12 2018-09-11	1.	EMI Test Receiver	R&S	ESCI	100947	2017-09-12	2018-09-11
Item	2.	LISN	R&S	ENV216	101215	2017-09-12	2018-09-11
Item	3.	Cable	Тор	TYPE16(3.5M)	-	2017-09-12	2018-09-11
Tem	Condu	cted Emissions Test \$	Site 2#				
2. LISN SCHWARZBECK NSLK 8128 8128-289 2017-09-12 2018-09-11 3. Limiter York MTS-IMP-136 261115-001- 0024 2017-09-12 2018-09-11 4. Cable LARGE RF300 - 2017-09-12 2018-09-11 3m Semi-anechoic Chamber for Radiation Emissions Test site 1# Item Equipment Manufacturer Model No. Serial No. Calibration Date Calibration Due Date 1 Spectrum Analyzer R&S FSP 100091 2017-04-29 2018-04-28 2 Active Loop Antenna Beijing Dazhi ZN30900A - 2017-04-09 2018-04-28 3 Trilog Broadband Antenna SCHWARZBECK VULB9163 336 2017-04-09 2018-04-08 4 Coaxial Cable (below 1GHz) Top TYPE16(13M) - 2017-09-12 2018-09-11 5 Broad-band Horn Antenna SCHWARZBECK BBHA 9120 D 667 2017-04-09 2018-04-08 7 Broadband Preamplifier COMPLIA	Item	Equipment	Manufacturer	Model No.	Serial No.	Calibration	
3. Limiter York MTS-IMP-136 0024 0024 0024 0024 0024 0024 0024 002	1.	EMI Test Receiver	R&S	ESCI	101155	2017-09-12	2018-09-11
3. Limiter York MTS-IMP-136 output 2017-09-12 output 2017-09-12 output 2018-09-11 output 4. Cable LARGE RF300 - 2017-09-12 output 2018-09-11 output 3m Semi-anechoic Chamber for Radiation Emissions Test site 1# Last Calibration Date Item Equipment Manufacturer Model No. Serial No. Serial No. Last Calibration Date 1 Spectrum Analyzer R&S FSP 100091 2017-04-29 2018-04-28 2 Active Loop Antenna Beijing Dazhi ZN30900A - 2017-04-09 2018-04-08 3 Trilog Broadband Antenna SCHWARZBECK VULB9163 336 2017-04-09 2018-04-08 4 Coaxial Cable (below 1GHz) Top TYPE16(13M) - 2017-04-09 2018-04-08 5 Broad-band Horn Antenna SCHWARZBECK BBHA 9120 D 667 2017-04-09 2018-04-08 7 Broadband Preamplifier DIRECTION PAP-1G18 2004 2017-04-13 2018-04-12 8 C	2.	LISN	SCHWARZBECK	NSLK 8128	8128-289	2017-09-12	2018-09-11
Item Equipment Manufacturer Model No. Serial No. Last Calibration Due Date 1 Spectrum Analyzer R&S FSP 100091 2017-04-29 2018-04-28 2 Active Loop Antenna Beljing Dazhi ZN30900A - 2017-04-09 2018-04-08 3 Trilog Broadband Antenna SCHWARZBECK VULB9163 336 2017-04-09 2018-04-08 4 Coaxial Cable (below 1GHz) Top TYPE16(13M) - 2017-09-12 2018-09-11 5 Broad-band Horn Antenna SCHWARZBECK BBHA 9120 D 667 2017-04-09 2018-04-08 6 Broad-band Horn Antenna SCHWARZBECK BBHA 9170 335 2017-04-09 2018-04-08 7 Broad-band Preamplifier COMPLIANCE DIRECTION PAP-1G18 2004 2017-04-13 2018-04-12 8 Coaxial Cable (above 1GHz) Top 1GHz-25GHz EW02014-7 2017-04-13 2018-04-12 1 Test Receiver R&S ESCI 101296 2017-04-13	3.	Limiter	York	MTS-IMP-136		2017-09-12	2018-09-11
Item Equipment Manufacturer Model No. Serial No. Calibration Date Calibration Due Date 1 Spectrum Analyzer R&S FSP 100091 2017-04-29 2018-04-28 2 Active Loop Antenna Beijing Dazhi ZN30900A - 2017-04-09 2018-04-08 3 Trilog Broadband Antenna SCHWARZBECK VULB9163 336 2017-04-09 2018-04-08 4 Coaxial Cable (below 1GHz) Top TYPE16(13M) - 2017-09-12 2018-09-11 5 Broad-band Horn Antenna SCHWARZBECK BBHA 9120 D 667 2017-04-09 2018-04-08 6 Broad-band Horn Antenna SCHWARZBECK BBHA 9170 335 2017-04-09 2018-04-08 7 Broadband Preamplifier Preamplifier DIRECTION PAP-1G18 2004 2017-04-13 2018-04-12 8 Coaxial Cable (above 1GHz) Top 1GHz-25GHz EW02014-7 2017-04-13 2018-04-12 3 Msemi-anechoic Chamber for Radiation Emissions Test site 2# Activation Date <td>4.</td> <td>Cable</td> <td>LARGE</td> <td>RF300</td> <td>-</td> <td>2017-09-12</td> <td>2018-09-11</td>	4.	Cable	LARGE	RF300	-	2017-09-12	2018-09-11
Item Equipment Manufacturer Model No. Serial No. Calibration Date Calibration Due Date 1 Spectrum Analyzer R&S FSP 100091 2017-04-29 2018-04-28 2 Active Loop Antenna Beijing Dazhi ZN30900A - 2017-04-09 2018-04-08 3 Trilog Broadband Antenna SCHWARZBECK VULB9163 336 2017-04-09 2018-04-08 4 Coaxial Cable (below 1GHz) Top TYPE16(13M) - 2017-09-12 2018-09-11 5 Broad-band Horn Antenna SCHWARZBECK BBHA 9120 D 667 2017-04-09 2018-04-08 6 Broad-band Horn Antenna SCHWARZBECK BBHA 9170 335 2017-04-09 2018-04-08 7 Broadband Preamplifier DIRECTION PAP-1G18 2004 2017-04-13 2018-04-12 8 Coaxial Cable (above 1GHz) Top 1GHz-25GHz EW02014-7 2017-04-13 2018-04-12 3m Semi-anechoic Chamber for Radiation Emissions Test site 2# Item	3m Ser	mi-anechoic Chamber	for Radiation Emis	sions Test site	1#		
2 Active Loop Antenna Beijing Dazhi ZN30900A - 2017-04-09 2018-04-08 3 Trilog Broadband Antenna SCHWARZBECK VULB9163 336 2017-04-09 2018-04-08 4 Coaxial Cable (below 1GHz) Top TYPE16(13M) - 2017-09-12 2018-09-11 5 Broad-band Horn Antenna SCHWARZBECK BBHA 9120 D 667 2017-04-09 2018-04-08 6 Broad-band Horn Antenna SCHWARZBECK BBHA 9170 335 2017-04-09 2018-04-08 7 Broadband Preamplifier COMPLIANCE DIRECTION PAP-1G18 2004 2017-04-13 2018-04-12 8 Coaxial Cable (above 1GHz) Top 1GHz-25GHz EW02014-7 2017-04-13 2018-04-12 3m Semi-anechoic Chamber for Radiation Emissions Test site 2# William Equipment Manufacturer Model No. Serial No Calibration Date 1 Test Receiver R&S ESCI 101296 2017-04-13 2018-04-12 2 Trilog Broadband Antenna SCHWARZBECK VULB	Item	Equipment	Manufacturer	Model No.	Serial No.	Calibration	
Trilog Broadband Antenna SCHWARZBECK VULB9163 336 2017-04-09 2018-04-08	1	Spectrum Analyzer	R&S	FSP	100091	2017-04-29	2018-04-28
Antenna	2	·	Beijing Dazhi	ZN30900A	-	2017-04-09	2018-04-08
SCHWARZBECK BBHA 9120 D 667 2017-04-09 2018-04-08	3	Antenna	SCHWARZBECK	VULB9163	336	2017-04-09	2018-04-08
5 Antenna SCHWARZBECK BBHA 9120 D 667 2017-04-09 2018-04-08 6 Broad-band Horn Antenna SCHWARZBECK BBHA 9170 335 2017-04-09 2018-04-08 7 Broadband Preamplifier COMPLIANCE DIRECTION PAP-1G18 2004 2017-04-13 2018-04-12 8 Coaxial Cable (above 1GHz) Top 1GHz-25GHz EW02014-7 2017-04-13 2018-04-12 3m Semi-anechoic Chamber for Radiation Emissions Test site 2# Item Equipment Manufacturer Model No. Serial No Last Calibration Due Date 1 Test Receiver R&S ESCI 101296 2017-04-13 2018-04-12 2 Trilog Broadband Antenna SCHWARZBECK VULB9160 9160-3325 2017-04-09 2018-04-08 3 Amplifier Compliance pirection systems inc PAP-0203 22024 2017-04-13 2018-04-12 4 Cable HUBER+SUHNER CBL2 525178 2017-04-13 2018-04-12	4	(below 1GHz)	Тор	TYPE16(13M)	-	2017-09-12	2018-09-11
6 Antenna SCHWARZBECK BBHA 9170 335 2017-04-09 2018-04-08 7 Broadband Preamplifier COMPLIANCE DIRECTION PAP-1G18 2004 2017-04-13 2018-04-12 8 Coaxial Cable (above 1GHz) Top 1GHz-25GHz EW02014-7 2017-04-13 2018-04-12 3m Semi-anechoic Chamber for Radiation Emissions Test site 2# Item Equipment Manufacturer Model No. Serial No Last Calibration Due Date 1 Test Receiver R&S ESCI 101296 2017-04-13 2018-04-12 2 Trilog Broadband Antenna SCHWARZBECK VULB9160 9160-3325 2017-04-09 2018-04-08 3 Amplifier Compliance pirection systems inc PAP-0203 22024 2017-04-13 2018-04-12 4 Cable HUBER+SUHNER CBL2 525178 2017-04-13 2018-04-12	5	Antenna	SCHWARZBECK	BBHA 9120 D	667	2017-04-09	2018-04-08
7 Preamplifier (above 1GHz) DIRECTION PAP-1G18 2004 2017-04-13 2018-04-12 3m Semi-anechoic Chamber for Radiation Emissions Test site 2# Item Equipment Manufacturer Model No. Serial No Date Last Calibration Due Date 1 Test Receiver R&S ESCI 101296 2017-04-13 2018-04-12 2 Trilog Broadband Antenna SCHWARZBECK VULB9160 9160-3325 2017-04-09 2018-04-08 3 Amplifier Compliance pirection systems inc PAP-0203 22024 2017-04-13 2018-04-12 4 Cable HUBER+SUHNER CBL2 525178 2017-04-13 2018-04-12	6	Antenna		BBHA 9170	335	2017-04-09	2018-04-08
Semi-anechoic Chamber for Radiation Emissions Test site 2# Item	7	Preamplifier	00	PAP-1G18	2004	2017-04-13	2018-04-12
Item Equipment Manufacturer Model No. Serial No Last Calibration Date Calibration Due Date 1 Test Receiver R&S ESCI 101296 2017-04-13 2018-04-12 2 Trilog Broadband Antenna SCHWARZBECK VULB9160 9160-3325 2017-04-09 2018-04-08 3 Amplifier Compliance pirection systems inc PAP-0203 22024 2017-04-13 2018-04-12 4 Cable HUBER+SUHNER CBL2 525178 2017-04-13 2018-04-12	8		Тор	1GHz-25GHz	EW02014-7	2017-04-13	2018-04-12
Item Equipment Manufacturer Model No. Serial No Date Calibration Due Date 1 Test Receiver R&S ESCI 101296 2017-04-13 2018-04-12 2 Trilog Broadband Antenna SCHWARZBECK VULB9160 9160-3325 2017-04-09 2018-04-08 3 Amplifier Compliance pirection systems inc PAP-0203 22024 2017-04-13 2018-04-12 4 Cable HUBER+SUHNER CBL2 525178 2017-04-13 2018-04-12	3m Ser	mi-anechoic Chamber	for Radiation Emis	sions Test site	2#		
2 Trilog Broadband Antenna SCHWARZBECK VULB9160 9160-3325 2017-04-09 2018-04-08 3 Amplifier Compliance pirection systems inc PAP-0203 22024 2017-04-13 2018-04-12 4 Cable HUBER+SUHNER CBL2 525178 2017-04-13 2018-04-12	Item	Equipment	Manufacturer	Model No.	Serial No	Calibration	
Z Antenna SCHWARZBECK VOLB9160 9160-3325 2017-04-09 2018-04-08 3 Amplifier Compliance pirection systems inc PAP-0203 22024 2017-04-13 2018-04-12 4 Cable HUBER+SUHNER CBL2 525178 2017-04-13 2018-04-12	1		R&S	ESCI	101296	2017-04-13	2018-04-12
3 Amplifier pirection systems inc PAP-0203 22024 2017-04-13 2018-04-12 4 Cable HUBER+SUHNER CBL2 525178 2017-04-13 2018-04-12	2	l — — — — — — — — — — — — — — — — — — —		VULB9160	9160-3325	2017-04-09	2018-04-08
	3	Amplifier	pirection	PAP-0203	22024	2017-04-13	2018-04-12
				CBL2	525178	2017-04-13	2018-04-12

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RF Coi	RF Conducted Testing							
Item	Equipment	Manufacturer	Model No.	Serial No.	Last Calibration Date	Calibration Due Date		
1.	EMC Analyzer (9k~26.5GHz)	Agilent	E7405A	MY45114943	2017-09-12	2018-09-11		
2.	Spectrum Analyzer (9k-6GHz)	R&S	FSL6	100959	2017-09-12	2018-09-11		
3.	Signal Analyzer (9k~26.5GHz)	Agilent	N9010A	MY50520207	2017-09-12	2018-09-11		

7.2 Description of Support Units

Equipment	Manufacturer	Manufacturer Model No.	
1	1	1	/

7.3 Measurement Uncertainty

Parameter	Uncertainty			
Conducted Emission	± 3.64 dB(AC mains 150KHz~30MHz)			
Radiated Spurious Emissions	± 5.08 dB (Bilog antenna 30M~1000MHz)			
Radiated Spurious Emissions	± 4.99 dB (Horn antenna 1000M~25000MHz)			
Radio Frequency	± 1 x 10 ⁻⁷ Hz			
RF Power	± 0.42 dB			
Dwell time	1.0%			
Conducted Spurious Emissions	± 2.76 dB (9kHz~26500MHz)			
Confidence interval: 95%. Confidence factor:k=2				

7.4 Test Equipment Calibration

All the test equipments used are valid and calibrated by CEPREI Certification Body that address is No.110 Dongguan Zhuang RD. Guangzhou, P.R.China.

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8 Conducted Emission

Test Requirement: FCC CFR 47 Part 15 Section 15.207

Test Method: ANSI C63.10:2013

Test Result: PASS

Frequency Range: 150kHz to 30MHz

Class/Severity: Class B

Limit: Frequency (MHz) Limit (dBµV)

Quasi-peak Average

0.15 to 0.5

66 to 56*

56 to 46*

0.15 to 0.5 66 to 56* 56 to 46*

0.5 to 5 56 46

5 to 30 60 50

8.1 E.U.T. Operation

Operating Environment:

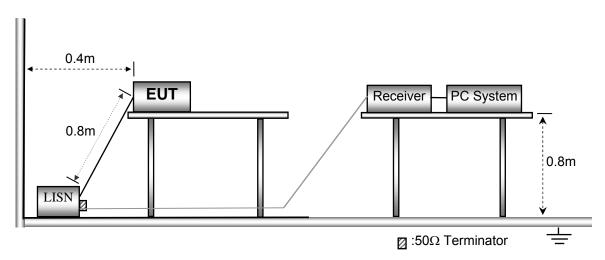
Temperature: 22.8 °C
Humidity: 52.6 % RH
Atmospheric Pressure: 101.2kPa

EUT Operation:

The test was performed in TX Transmitting mode, the test data were shown in the report.

8.2 EUT Setup

The conducted emission tests were performed using the setup accordance with the ANSI C63.10: 2013.



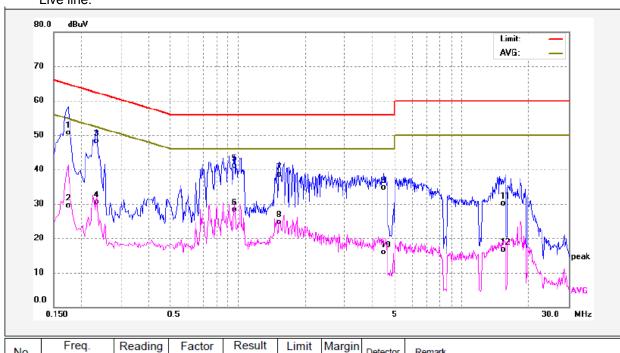
8.3 Measurement Description

The maximised peak emissions from the EUT was scanned and measured for both the Live and Neutral Lines. Quasi-peak & average measurements were performed if peak emissions were within 6dB of the average limit line.

8.4 Conducted Emission Test Result

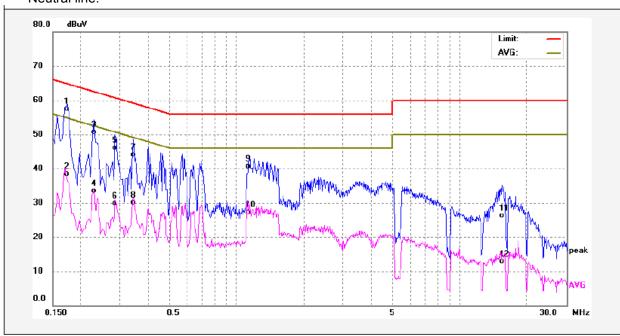
Remark: only the worst data (GFSK modulation Low channel mode) were reported

Live line:



No.	Freq.	Reading	Factor	Result		Margin	Detector	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	dBuV	(dB)		
1	0.1740	40.79	9.87	50.66	64.76	-14.10	QP	
2	0.1740	19.71	9.87	29.58	54.76	-25.18	AVG	
3	0.2340	38.38	9.98	48.36	62.30	-13.94	QP	
4	0.2340	20.49	9.98	30.47	52.30	-21.83	AVG	
5	0.9660	31.02	10.08	41.10	56.00	-14.90	QP	
6	0.9660	18.31	10.08	28.39	46.00	-17.61	AVG	
7	1.5300	28.28	10.15	38.43	56.00	-17.57	QP	
8	1.5300	14.50	10.15	24.65	46.00	-21.35	AVG	
9	4.4820	24.42	10.26	34.68	56.00	-21.32	QP	
10	4.4820	5.62	10.26	15.88	46.00	-30.12	AVG	
11	15.5660	19.66	10.39	30.05	60.00	-29.95	QP	
12	15.5660	6.33	10.39	16.72	50.00	-33.28	AVG	

Neutral line:



No.	Freq. (MHz)	Reading (dBuV)	Factor (dB)	Result (dBuV)	Limit dBuV	Margin (dB)	Detector	Remark
1	0.1740	47.57	9.87	57.44	64.76	-7.32	QP	
2	0.1740	28.72	9.87	38.59	54.76	-16.17	AVG	
3	0.2300	40.80	9.97	50.77	62.45	-11.68	QP	
4	0.2300	23.59	9.97	33.56	52.45	-18.89	AVG	
5	0.2860	36.17	9.99	46.16	60.64	-14.48	QP	
6	0.2860	19.96	9.99	29.95	50.64	-20.69	AVG	
7	0.3460	34.12	10.05	44.17	59.06	-14.89	QP	
8	0.3460	20.09	10.05	30.14	49.06	-18.92	AVG	
9	1.1380	30.34	10.31	40.65	56.00	-15.35	QP	
10	1.1380	16.97	10.31	27.28	46.00	-18.72	AVG	
11	15.4220	15.97	10.39	26.36	60.00	-33.64	QP	
12	15.4220	2.58	10.39	12.97	50.00	-37.03	AVG	

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9 Radiated Spurious Emissions

Test Requirement: FCC CFR47 Part 15 Section 15.205 &15.209 & 15.247

Test Method: ANSI C63.10: 2013

Test Result: PASS
Measurement Distance: 3m

Limit:

LIIIII.	_						
_	Field Stre	ngth	Field Strength Limit at 3m Measurement Dist				
Frequency (MHz)	uV/m Distance (m)		uV/m	dBuV/m			
0.009 ~ 0.490	2400/F(kHz)	300	10000 * 2400/F(kHz)	20log ^{(2400/F(kHz))} + 80			
0.490 ~ 1.705	24000/F(kHz)	30	100 * 24000/F(kHz)	20log ^{(24000/F(kHz))} + 40			
1.705 ~ 30	30	30	100 * 30	20log ⁽³⁰⁾ + 40			
30 ~ 88	100	3	100	20log ⁽¹⁰⁰⁾			
88 ~ 216	150	3	150	20log ⁽¹⁵⁰⁾			
216 ~ 960	200	3	200	20log ⁽²⁰⁰⁾			
Above 960	500	3	500	20log ⁽⁵⁰⁰⁾			

9.1 EUT Operation

Operating Environment:

Temperature: 23.5 °C
Humidity: 51.1 % RH
Atmospheric Pressure: 101.2kPa

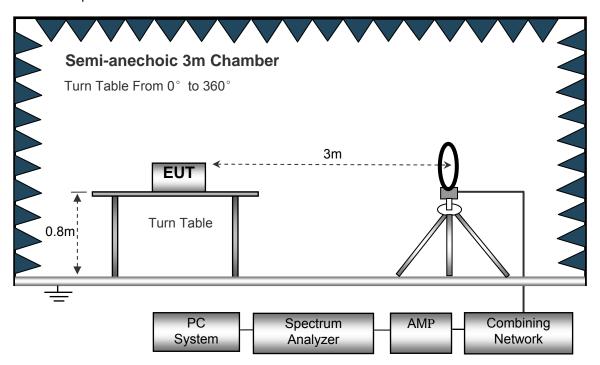
EUT Operation:

The test was performed in TX Transmitting mode, the test data were shown in the report.

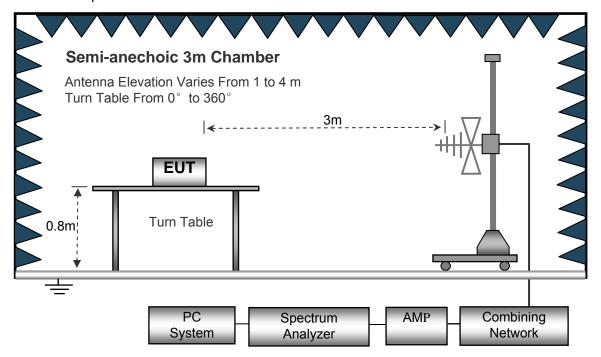
9.2 Test Setup

The radiated emission tests were performed in the 3m Semi- Anechoic Chamber test site, using the setup accordance with the ANSI C63.10: 2013.

The test setup for emission measurement below 30MHz.



The test setup for emission measurement from 30 MHz to 1 GHz.



Anechoic 3m Chamber
Antenna Elevation Varies From 1 to 4 m
Turn Table From 0° to 360°

Sm

Lett

Spectrum

Analyzer

Absorbers

AMP

Combining

Network

The test setup for emission measurement above 1 GHz.

Turn Table

PC

System

9.3 Spectrum Analyzer Setup

Below 30MHz		
	Sweep Speed	. Auto
	IF Bandwidth	.10kHz
	Video Bandwidth	.10kHz
	Resolution Bandwidth	.10kHz
30MHz ~ 1GHz	<u>z</u>	
	Sweep Speed	. Auto
	Detector	.PK
	Resolution Bandwidth	.100kHz
	Video Bandwidth	.300kHz
Above 1GHz		
	Sweep Speed	. Auto
	Detector	.PK
	Resolution Bandwidth	.1MHz
	Video Bandwidth	.3MHz
	Detector	.Ave.
	Resolution Bandwidth	.1MHz
	Video Bandwidth	.10Hz

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9.4 Test Procedure

1. The EUT is placed on a turntable, which is 0.8m above ground plane for below 1GHz and 1.5m for above 1GHz.

- 2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
- 3. EUT is set 3m away from the receiving antenna, which is moved from 1m to 4m to find out the maximum emissions. The spectrum was investigated from the lowest radio frequency signal generated in the device, without going below 9 kHz, up to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower.
- 4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
- 5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
- 6. Repeat above procedures until the measurements for all frequencies are complete.
- 7. The radiation measurements are tested under 3-axes(X,Y,Z) position(X denotes lying on the table, Y denotes side stand and Z denotes vertical stand), After pre-test, It was found that the worse radiation emission was get at the Z position. So the data shown was the Z position only.

9.5 Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Factor and Cable Factor, and subtracting the Amplifier Gain from the Amplitude reading. The basic equation is as follows:

Corr. Ampl. = Indicated Reading + Antenna Factor + Cable Factor - Amplifier Gain

The "Margin" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the maximum limit for Class B. The equation for margin calculation is as follows:

Margin = Corr. Ampl. - Limit

9.6 Summary of Test Results

Test Frequency: 9KHz~30MHz

Remark: only the worst data (GFSK modulation Low channel mode) were reported

	Measurement	Detector	Correct	Extrapolatio	Measurement	Limits	Margi
Frequency	results dBµV	PK/QP	factor	n factor	results (calculated)	dBµV/m	n
	@3m		dB/m	dB	dBμV/m @30m	@30m	dB
(MHz)	Measurement	Detector	Correct	Extrapolatio	Measurement	Limits	Margi
(1011 12)	results	Detector	factor	n factor	results (calculated)	LIIIIII	n
6.144	25.06	QP	21.84	40.00	6.90	29.54	-22.64
8.304	26.71	QP	21.02	40.00	7.73	29.54	-21.81
26.127	26.35	QP	20.55	40.00	6.90	29.54	-22.64

Test Frequency: 30MHz ~ 18GHz

Remark: only the worst data (GFSK modulation mode) were reported.

	Receiver		Turn	RX An	tenna	Corrected	Corrected		
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
			GI	SK Low	Channel				
255.63	37.58	QP	231	1.2	Н	-13.35	24.23	46.00	-21.77
255.63	40.36	QP	191	1.8	V	-13.35	27.01	46.00	-18.99
4804.00	44.03	PK	216	1.8	V	-1.06	42.97	74.00	-31.03
4804.00	40.31	Ave	216	1.8	V	-1.06	39.25	54.00	-14.75
7206.00	45.68	PK	216	2.0	Н	1.33	47.01	74.00	-26.99
7206.00	33.27	Ave	216	2.0	Н	1.33	34.60	54.00	-19.40
2316.53	46.98	PK	24	1.7	V	-13.19	33.79	74.00	-40.21
2316.53	39.87	Ave	24	1.7	V	-13.19	26.68	54.00	-27.32
2366.86	42.74	PK	292	1.8	Н	-13.14	29.60	74.00	-44.40
2366.86	38.64	Ave	292	1.8	Н	-13.14	25.50	54.00	-28.50
2489.65	43.34	PK	187	1.0	V	-13.08	30.26	74.00	-43.74
2489.65	36.61	Ave	187	1.0	V	-13.08	23.53	54.00	-30.47

	Receiver	eceiver	Turn	RX Antenna		Corrected	Corrected		
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
			GF	SK Middle	Channe	el			
255.63	37.09	QP	125	1.2	Н	-13.35	23.74	46.00	-22.26
255.63	42.45	QP	266	1.7	V	-13.35	29.10	46.00	-16.90
4882.00	46.20	PK	263	1.9	V	-0.62	45.58	74.00	-28.42
4882.00	42.23	Ave	263	1.9	V	-0.62	41.61	54.00	-12.39
7323.00	38.90	PK	79	1.7	Н	2.21	41.11	74.00	-32.89
7323.00	34.56	Ave	79	1.7	Н	2.21	36.77	54.00	-17.23
2347.21	46.42	PK	118	1.5	V	-13.19	33.23	74.00	-40.77
2347.21	39.82	Ave	118	1.5	V	-13.19	26.63	54.00	-27.37
2378.85	44.31	PK	340	1.7	Н	-13.14	31.17	74.00	-42.83
2378.85	37.47	Ave	340	1.7	Н	-13.14	24.33	54.00	-29.67
2492.23	42.02	PK	94	1.6	V	-13.08	28.94	74.00	-45.06
2492.23	37.33	Ave	94	1.6	V	-13.08	24.25	54.00	-29.75

	Receiver		Turn	Turn RX Antenna		Corrected	Corrected		
Frequency	Reading	Detector	table Angle	Height	Polar	Factor	Amplitude	Limit	Margin
(MHz)	(dBµV)	(PK/QP/Ave)	Degree	(m)	(H/V)	(dB)	(dBµV/m)	(dBµV/m)	(dB)
			GF	SK High	Channel				
255.63	38.22	QP	276	1.4	Н	-13.35	24.87	46.00	-21.13
255.63	42.56	QP	236	1.3	V	-13.35	29.21	46.00	-16.79
4960.00	43.89	PK	267	1.9	V	-0.24	43.65	74.00	-30.35
4960.00	40.39	Ave	267	1.9	V	-0.24	40.15	54.00	-13.85
7440.00	39.26	PK	260	1.8	Н	2.84	42.10	74.00	-31.90
7440.00	36.23	Ave	260	1.8	Н	2.84	39.07	54.00	-14.93
2313.08	46.36	PK	36	1.2	V	-13.19	33.17	74.00	-40.83
2313.08	39.65	Ave	36	1.2	V	-13.19	26.46	54.00	-27.54
2350.22	44.42	PK	213	1.4	Н	-13.14	31.28	74.00	-42.72
2350.22	36.89	Ave	213	1.4	Н	-13.14	23.75	54.00	-30.25
2488.39	42.51	PK	240	1.1	V	-13.08	29.43	74.00	-44.57
2488.39	38.54	Ave	240	1.1	V	-13.08	25.46	54.00	-28.54

Test Frequency: 18GHz~25GHz

The measurements were more than 20 dB below the limit and not recorded

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10 Conducted Spurious Emissions

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: ANSI C63.10: 2013

Test Result: PASS

Limit:

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. 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)).

10.1 Test Procedure

- 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:

Blow 30MHz:

RBW = 100kHz, VBW = 300kHz, Sweep = auto

Detector function = peak, Trace = max hold

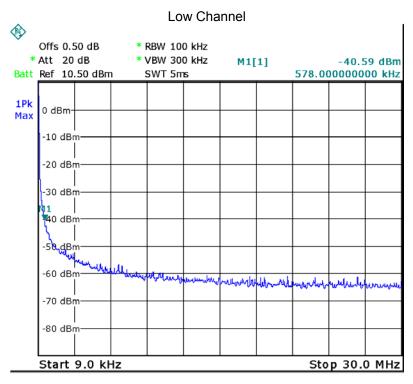
Above 30MHz:

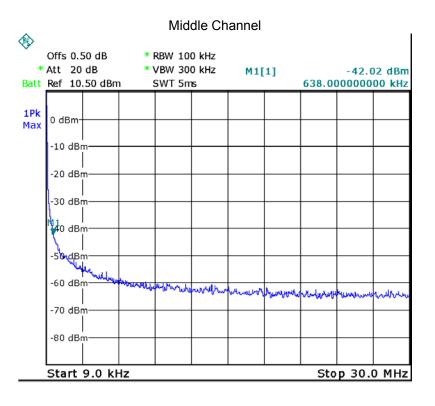
RBW = 1MHz, VBW = 3MHz, Sweep = auto

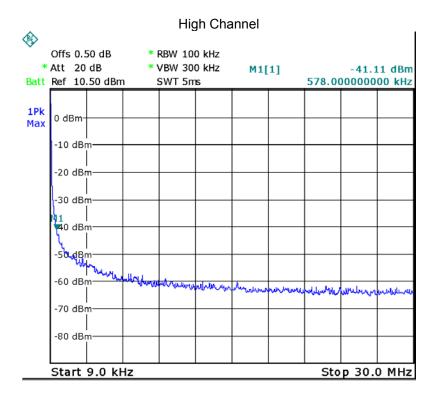
Detector function = peak, Trace = max hold

10.2 Test Result

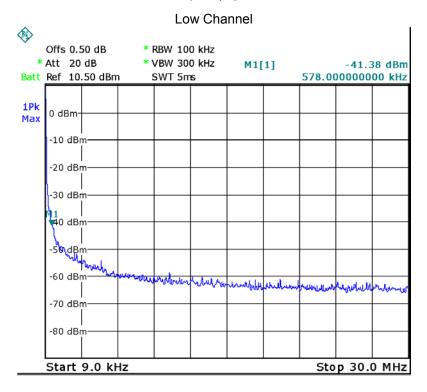
9KHz - 30MHz GFSK

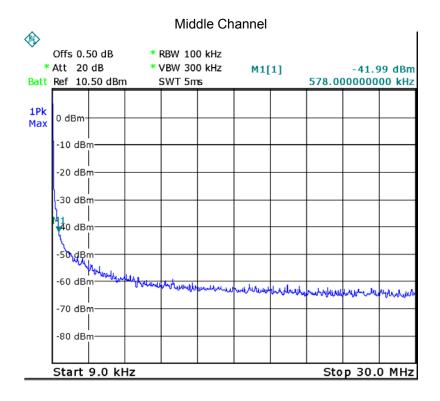


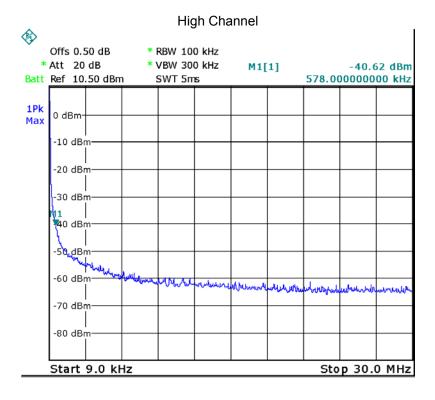




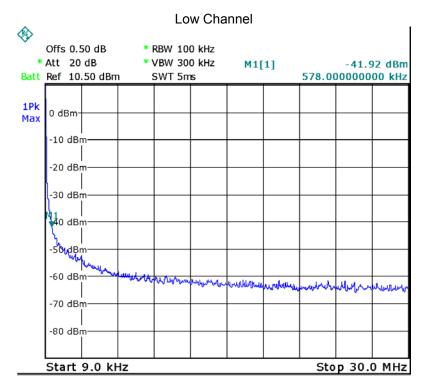
Pi/4DQPSK

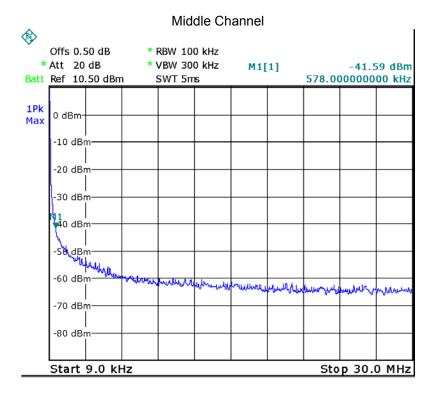


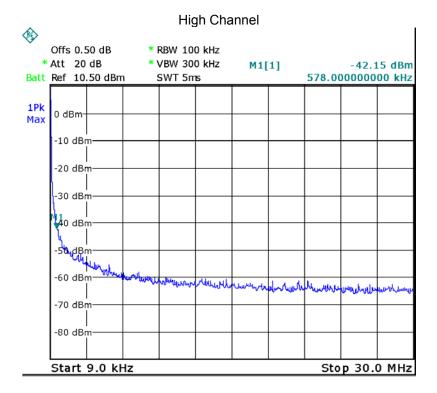




8DPSK



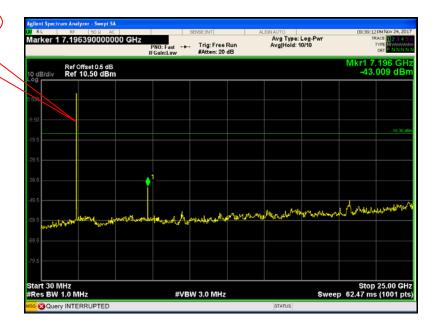




30MHz - 25GHz

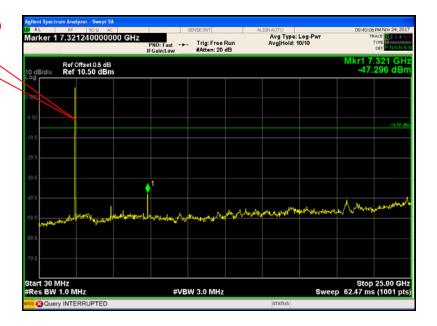
GFSK Low Channel

Fundamental

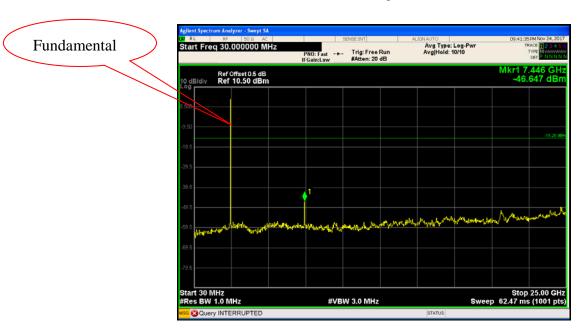


GFSK Middle Channel

Fundamental



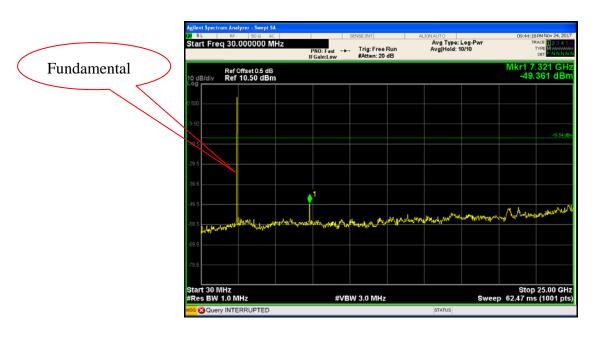
GFSK High Channel



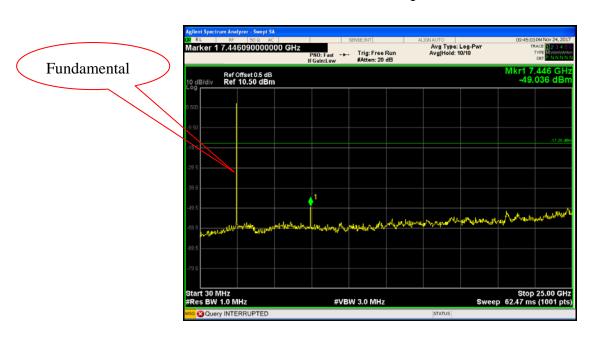
Pi/4 DQPSK Low Channel



Pi/4 DQPSK Middle Channel



Pi/4 DQPSK High Channel



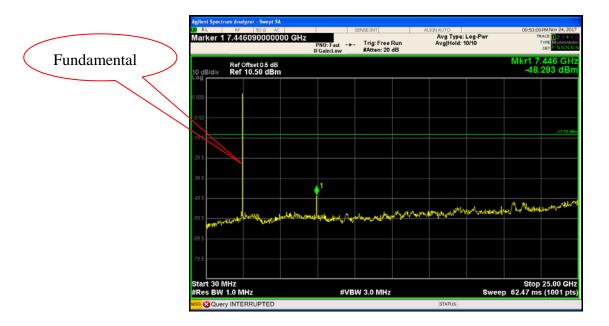
8DPSK Low Channel



8DPSK Middle Channel



8DPSK High Channel



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11 Band Edge Measurement

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)).

Test Method: ANSI C63.10: 2013

Test Limit: Regulation 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 §15.209(a) is not required. In addition, 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) (see §15.205(c)).

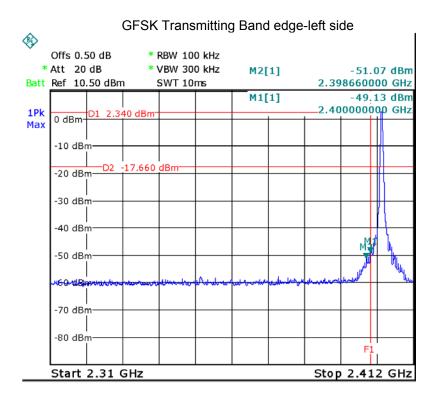
Test Mode: Transmitting

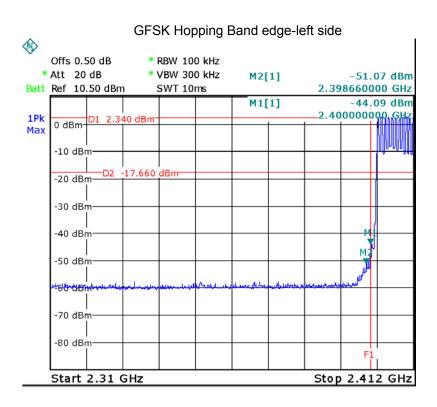
11.1 Test Procedure

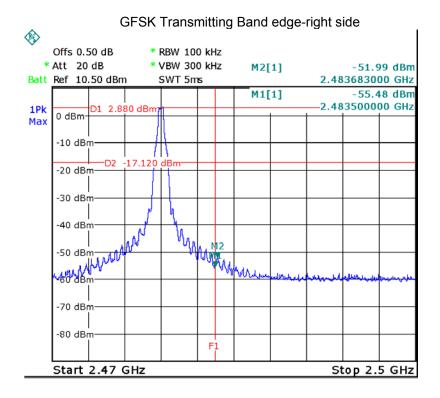
 Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;

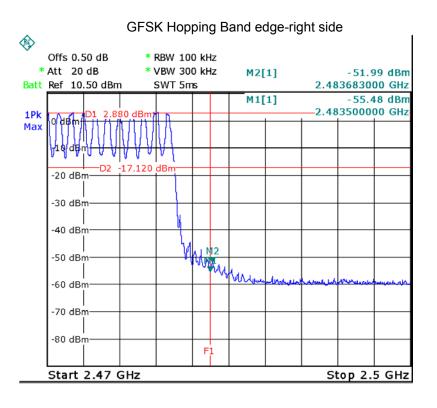
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz, Sweep = auto Detector function = peak, Trace = max hold

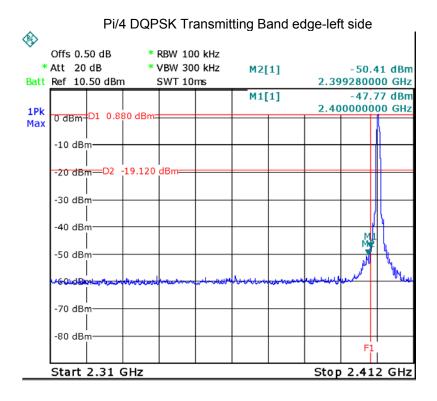
11.2 Test Result

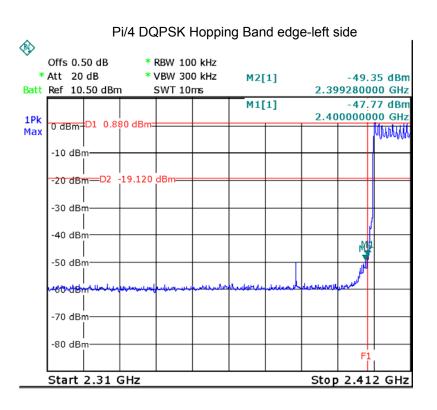


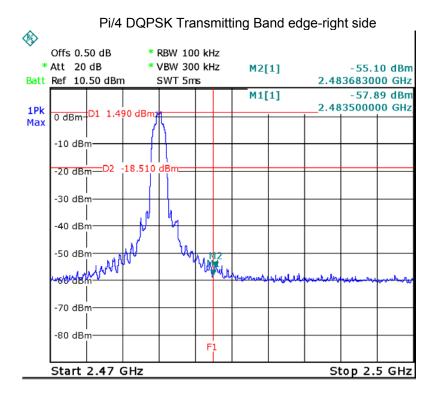


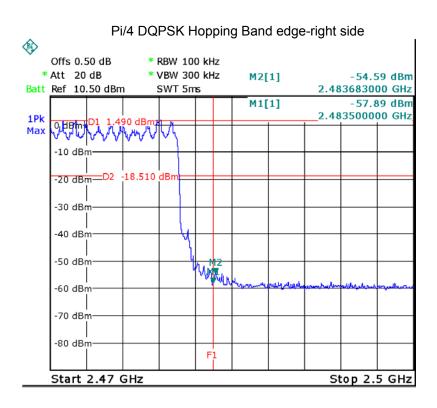


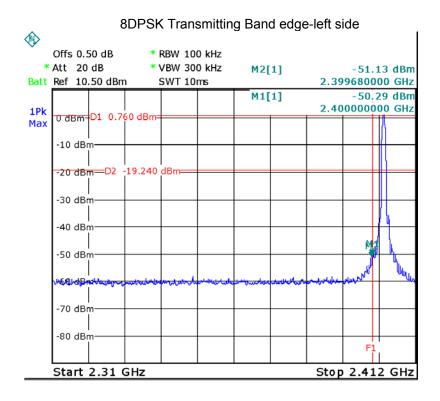


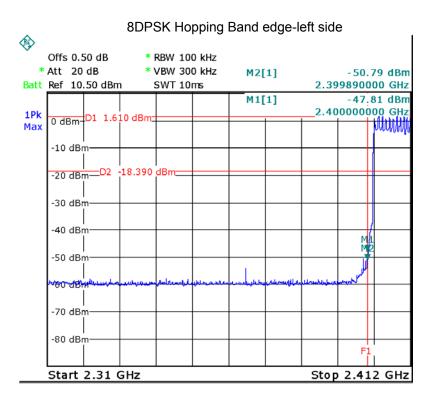


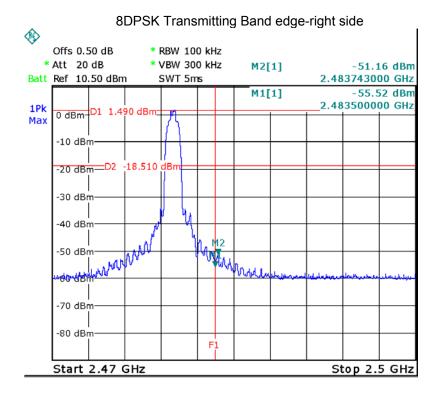


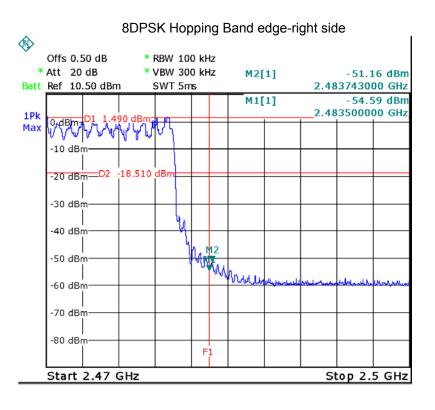












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12 20 dB Bandwidth Measurement

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: ANSI C63.10: 2013

Test Mode: Test in fixing operating frequency at low, Middle, high channel.

12.1 Test Procedure

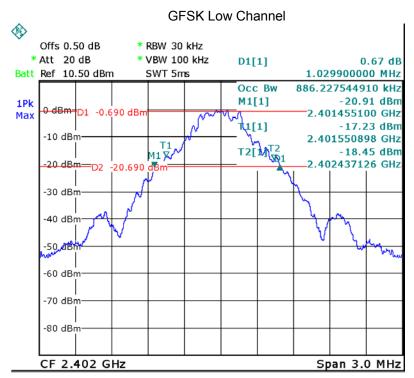
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;

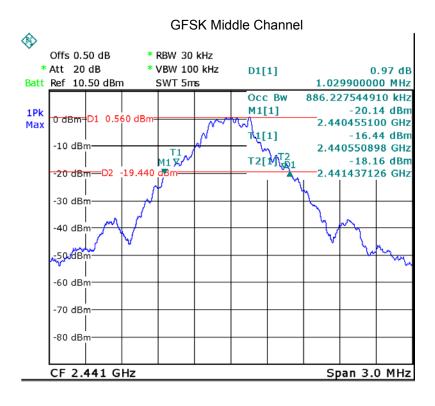
2. Set the spectrum analyzer: RBW = 30kHz, VBW = 100kHz

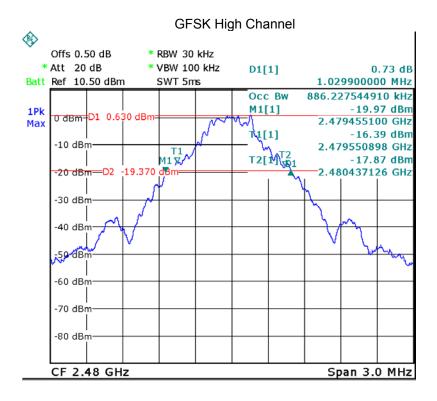
12.2 Test Result

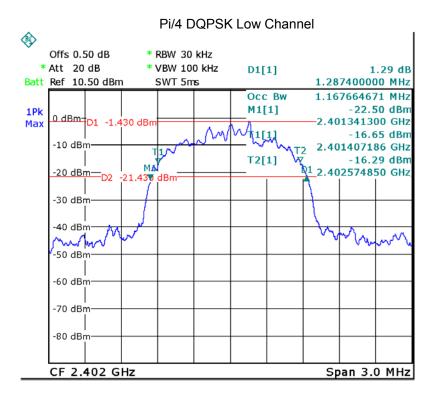
Modulation	Test Channel	20dB Bandwidth(MHz)	99% Bandwidth(MHz)
GFSK	Low	1.030	0.886
GFSK	Middle	1.030	0.886
GFSK	High	1.030	0.886
Pi/4 DQPSK	Low	1.281	1.162
Pi/4 DQPSK	Middle	1.287	1.168
Pi/4 DQPSK	High	1.287	1.168
8DPSK	Low	1.281	1.162
8DPSK	Middle	1.287	1.168
8DPSK	High	1.287	1.168

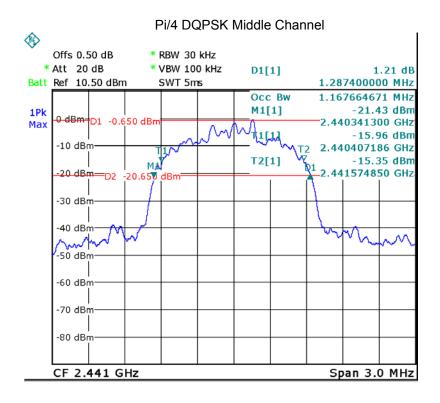
Test plots

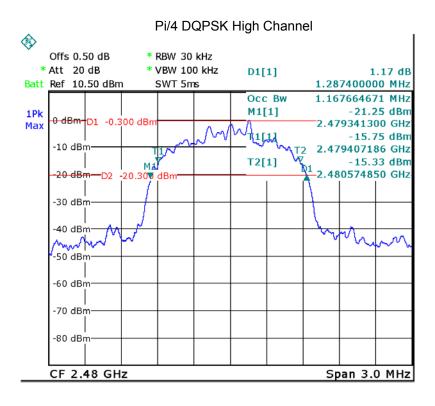


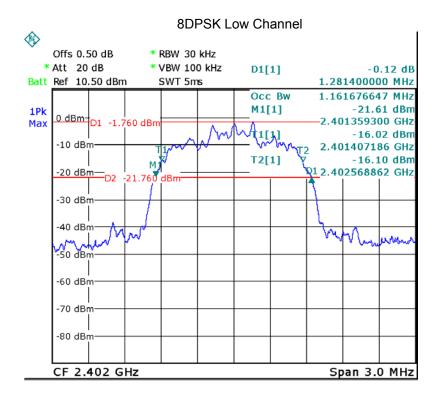


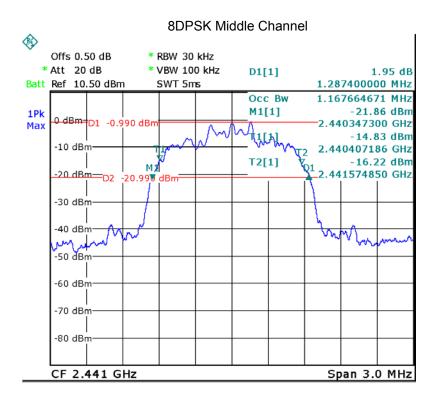


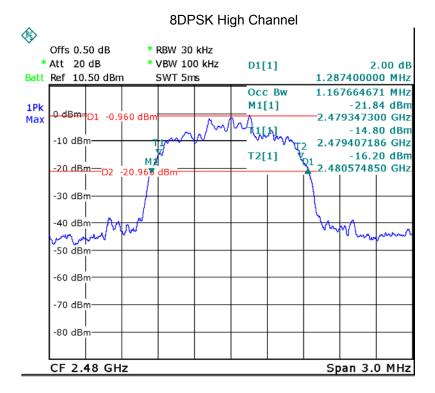












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13 Maximum Peak Output Power

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: ANSI C63.10: 2013

Test Limit: Regulation 15.247 (a)(1), For frequency hopping systems

operating in the 2400-2483.5 MHz band by a minimum of 25 kHz or the 20 dB bandwidth of the hopping channel, whichever is greater.: 1 watt. For all other frequency hopping systems in the 2400-2483.5 MHz band that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel,

whichever is greater: 0.125 watts..

Test mode: Test in fixing frequency transmitting mode.

13.1 Test Procedure

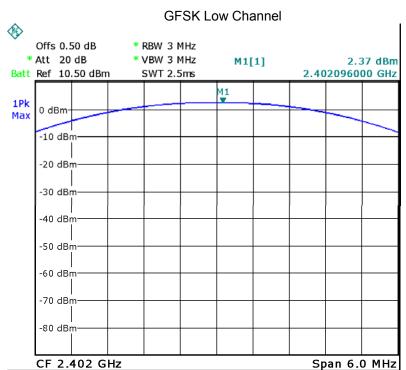
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

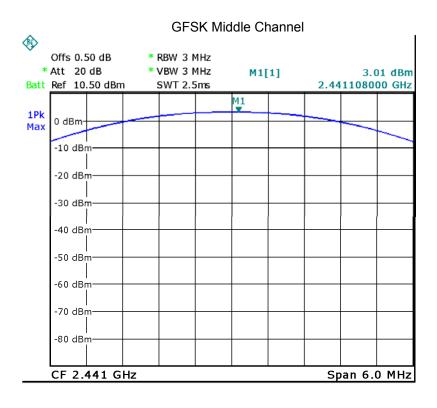
- 2. Set the spectrum analyzer: RBW = 3MHz. VBW = 3MHz. Sweep = auto; Detector Function = Peak.
- 3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.///

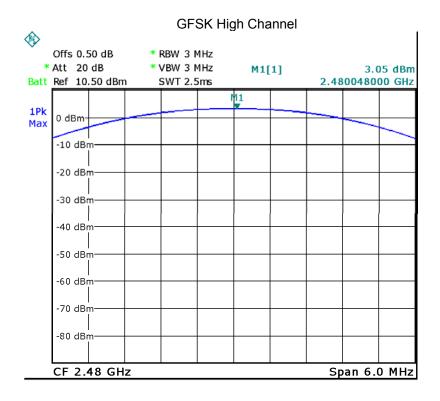
13.2 Test Result

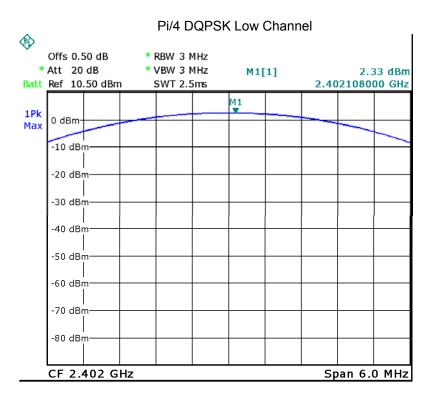
Modulation	Test Channel	Output Power (dBm)	Limit (dBm)
GFSK	Low	2.37	21
GFSK	Middle	3.01	21
GFSK	High	3.05	21
Pi/4 DQPSK	Low	2.33	21
Pi/4 DQPSK	Middle	2.48	21
Pi/4 DQPSK	High	2.94	21
8DPSK	Low	2.49	21
8DPSK	Middle	3.06	21
8DPSK	High	2.70	21

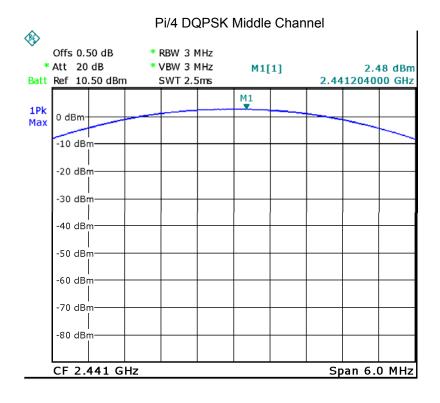
Test plots

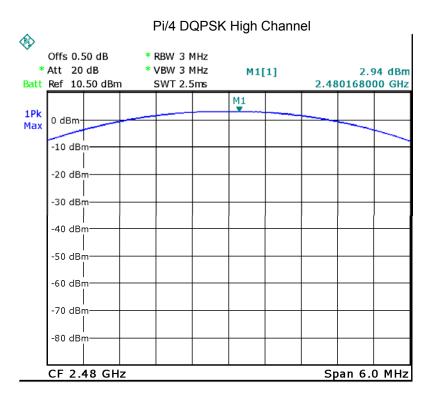


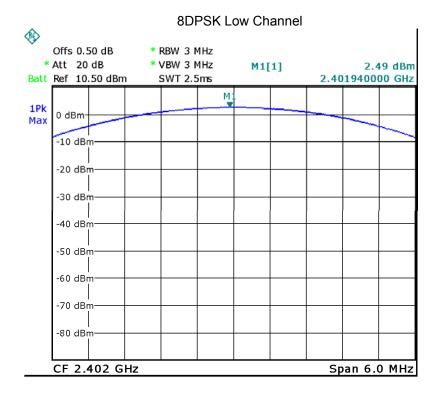


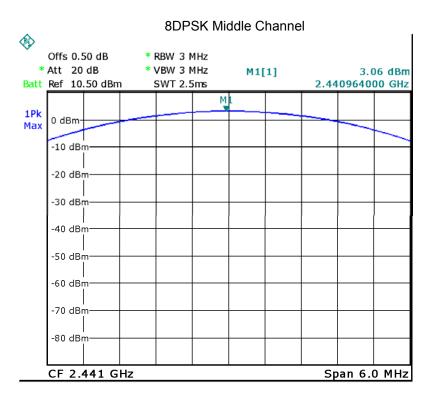


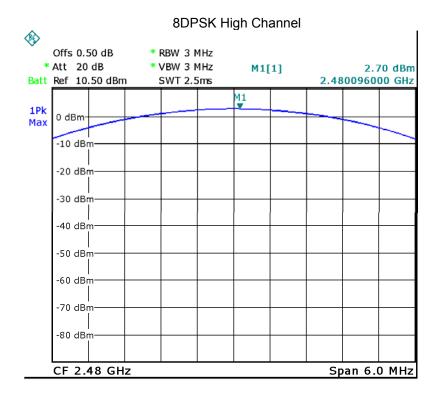












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14 Hopping Channel Separation

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: ANSI C63.10: 2013

Test Limit: Regulation 15.247(a)(1) 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 0.125W.

Test Mode: Test in hopping transmitting operating mode.

14.1 Test Procedure

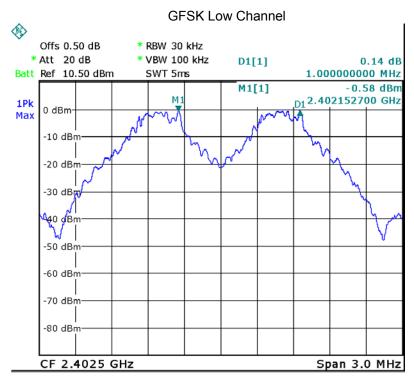
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

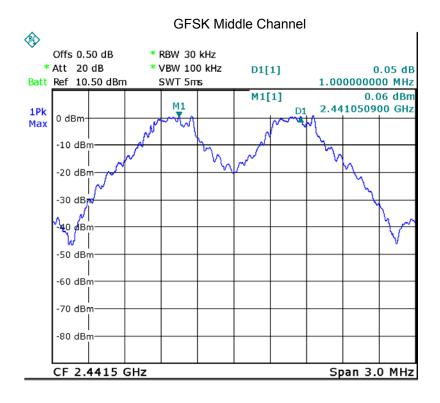
- 2. Set the spectrum analyzer: RBW = 30kHz. VBW = 100kHz , Span = 3.0MHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.
- 3. Allow the trace to stabilize. Use the marker-delta function to determine the separation between the peaks of the adjacent channels. The limit is specified in one of the subparagraphs of this Section Submit this plot.

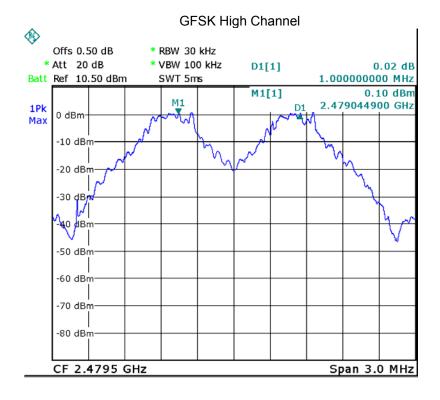
14.2 Test Result

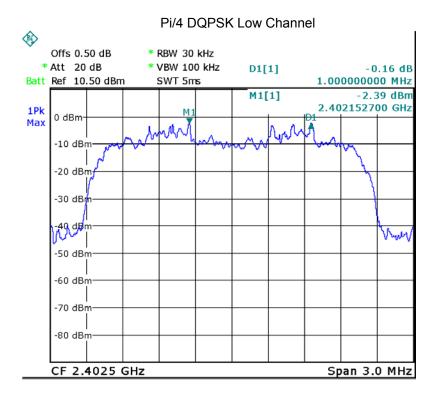
Modulation	Test Channel	Separation (MHz)	Limit(MHz)	Result
GFSK	Low	1.000	0.687	PASS
GFSK	Middle	1.000	0.687	PASS
GFSK	High	1.000	0.687	PASS
Pi/4 DQPSK	Low	1.000	0.854	PASS
Pi/4 DQPSK	Middle	1.000	0.858	PASS
Pi/4 DQPSK	High	1.000	0.858	PASS
8DPSK	Low	1.000	0.858	PASS
8DPSK	Middle	1.000	0.858	PASS
8DPSK	High	1.000	0.858	PASS

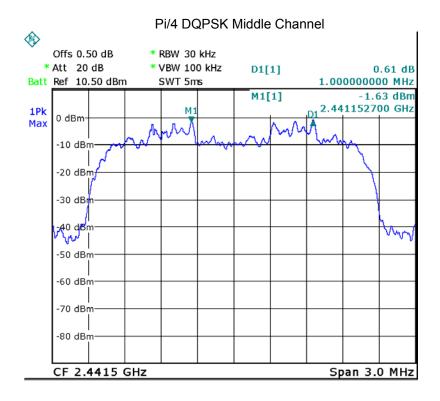
Test plots

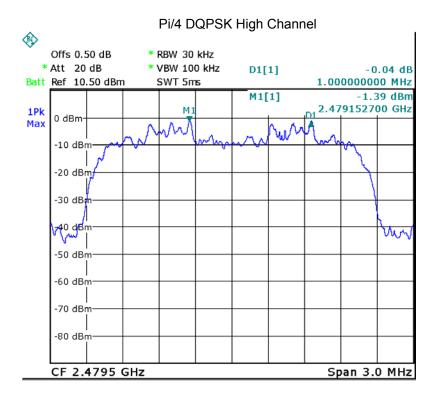


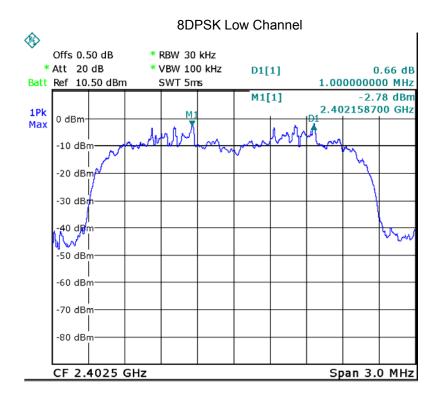


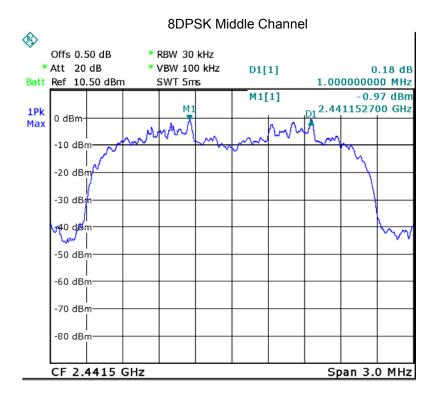


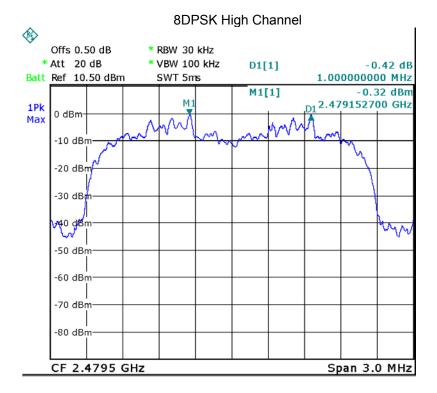












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15 Number of Hopping Frequency

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: ANSI C63.10: 2013

Test Limit: Regulation 15.247 (a)(1)(iii) Frequency hopping systems in the

2400-2483.5 MHz band shall use at least 15 channels.

Test Mode: Test in hopping transmitting operating mode.

15.1 Test Procedure

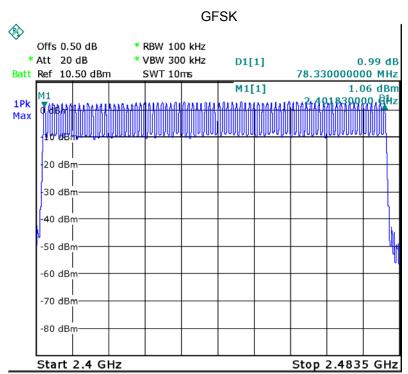
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum.

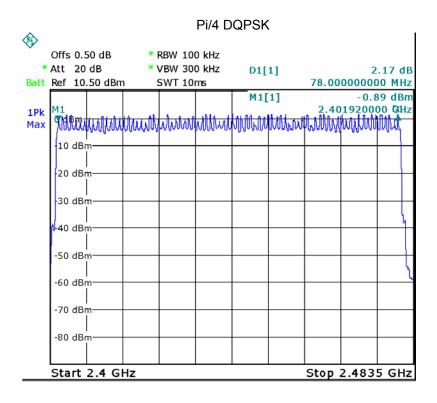
- Set the spectrum analyzer: RBW = 100kHz. VBW = 300kHz. Sweep = auto; Detector Function = Peak. Trace = Max hold.
- 3. Allow the trace to stabilize. It may prove necessary to break the span up to sections. in order to clearly show all of the hopping frequencies. The limit is specified in one of the subparagraphs of this Section.
- 4. Set the spectrum analyzer: Start Frequency = 2.4GHz, Stop Frequency = 2.4835GHz. Sweep=auto;

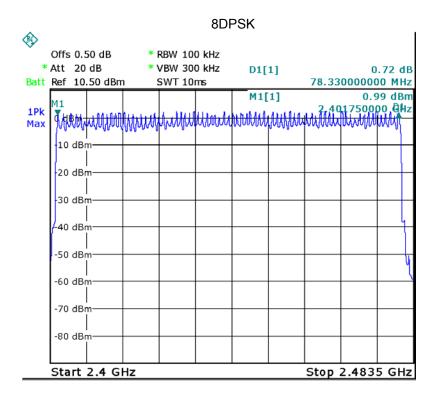
15.2 Test Result

Test Plots:

79 Channels in total







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16 Dwell Time

Test Requirement: FCC CFR47 Part 15 Section 15.247

Test Method: ANSI C63.10: 2013

Test Limit: Regulation 15.247(a)(1)(iii) Frequency hopping systems in

the 2400-2483.5 MHz band shall use at least 15 channels. The average time of occupancy 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. Frequency hopping systems may avoid or suppress transmissions on a particular hopping frequency provided that a minimum of 15 channels are

used.

Test Mode: Test in hopping transmitting operating mode.

16.1 Test Procedure

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

- 2. Set spectrum analyzer span = 0. Centred on a hopping channel;
- 3. Set RBW = 1MHz and VBW = 3MHz.Sweep = as necessary to capture the entire dwell time per hopping channel. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- 4. Use the marker-delta function to determine the dwell time. If this value varies with different modes of operation (e.g., data rate, modulation format, etc.), repeat this test for each variation. The limit is specified in one of the subparagraphs of this Section. Submit this plot(s).

16.2 Test Result

DH5 Packet permit maximum 1600 / 79 / 6 hops per second in each channel (5 time slots RX, 1 time slot TX).

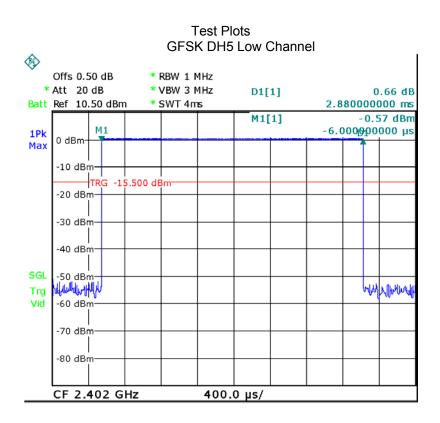
DH3 Packet permit maximum 1600 / 79 / 4 hops per second in each channel (3 time slots RX, 1 time slot TX).

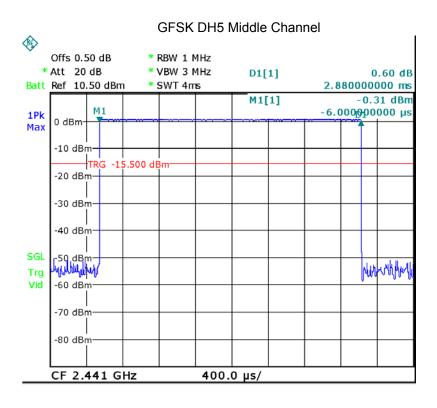
DH1 Packet permit maximum 1600 / 79 /2 hops per second in each channel (1 time slot RX, 1 time slot TX). So, the Dwell Time can be calculated as follows:

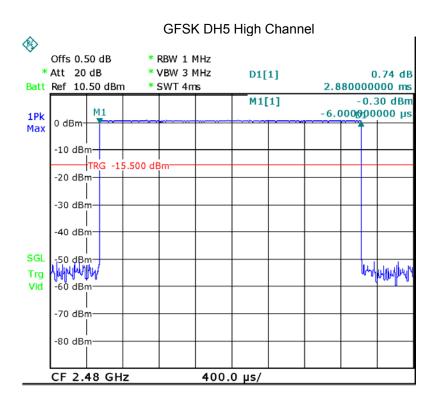
Data Packet	Dwell Time(s)	
DH5	1600/79/6*0.4*79*(MkrDelta)/1000	
DH3	1600/79/4*0.4*79*(MkrDelta)/1000	
DH1	1600/79/2*0.4*79*(MkrDelta)/1000	
Remark: Mkr Delta is once pulse time.		

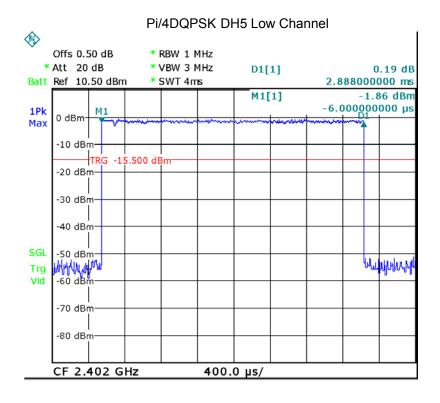
Modulation	Data Packet	Channel	pulse time(ms)	Dwell Time(s)	Limits(s)
GFSK	DH5	Low	2.880	0.307	0.4
		middle	2.880	0.307	0.4
		High	2.880	0.307	0.4
Pi/4DQPSK	DH5	Low	2.888	0.308	0.4
		middle	2.888	0.308	0.4
		High	2.888	0.308	0.4
8DPSK	DH5	Low	2.880	0.307	0.4
		middle	2.880	0.307	0.4
		High	2.880	0.307	0.4

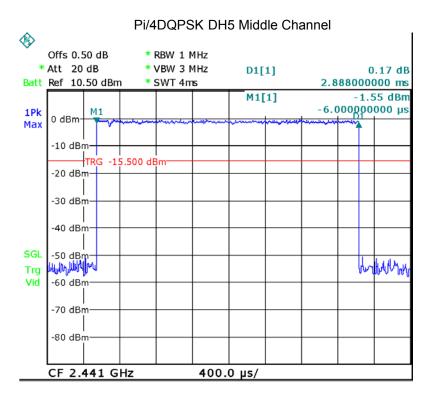
Remark: Only the worst-case mode DH5 is recorded.

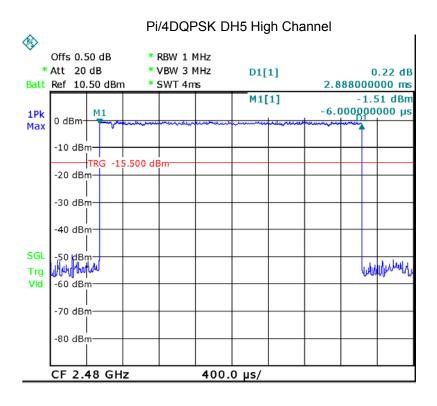


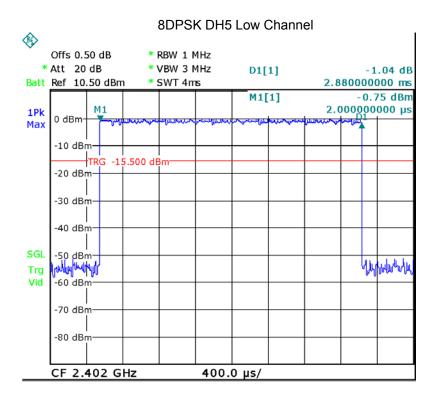


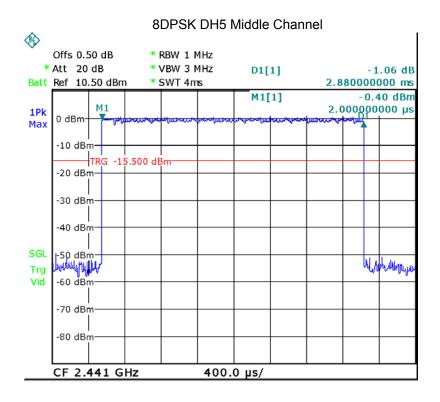


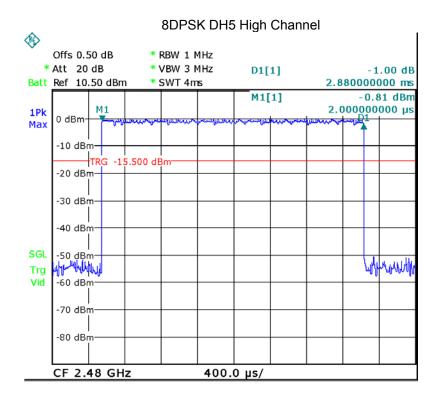












17 Antenna Requirement

According to the FCC Part 15 Paragraph 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. This product has an integrated antenna, fulfil the requirement of this section.

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18 RF Exposure

Remark: refer to SAR test report: WTS17S1194670E.

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19 Photographs of test setup and EUT.

Note: Please refer to appendix: WTS17S1194671E_Photo.

====End of Report=====