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Report No.: SZEM170500533107

Page: 1 of 80

### **FCC REPORT**

Application No.:SZEM1705005331RGApplicant:Kyocera CorporationManufacturer:Kyocera CorporationFactory:Kyocera Corporation

Product Name: Tablet
Model No.(EUT): FA85
Trade Mark: Kyocera
FCC ID: JOYFA85

Standards: 47 CFR Part 15, Subpart C(2017)

Test Method ANSI C63.10 (2013)

**Date of Receipt:** 2017-12-28

**Date of Test:** 2017-12-29 to 2018-01-07

**Date of Issue:** 2018-01-08

Test Result: PASS \*

\* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Derek Yang

Derole yang

Wireless Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

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Report No.: SZEM170500533107

Page: 2 of 80

### 2 Version

Revision Record						
Version Chapter Date Modifier Remark						
01		2018-01-08		Original		

Authorized for issue by:		
Tested By	Mike Mu	2018-01-08
	(Mike Hu) /Project Engineer	Date
Checked By	July Hong	2018-01-08
	(Jim Huang) /Reviewer	Date



Report No.: SZEM170500533107

Page: 3 of 80

### 3 Test Summary

Test Item	Test Requirement	Test method	Result
Antenna Requirement	47 CFR Part 15, Subpart C Section 15.203/15.247 (c)	ANSI C63.10 (2013)	PASS
AC Power Line Conducted Emission	47 CFR Part 15, Subpart C Section 15.207	ANSI C63.10 (2013)	PASS
Conducted Peak Output Power	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	ANSI C63.10 (2013)	PASS
20dB Occupied Bandwidth	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	ANSI C63.10 (2013)	PASS
Carrier Frequencies Separation	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	ANSI C63.10 (2013)	PASS
Hopping Channel Number	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	ANSI C63.10 (2013)	PASS
Dwell Time	47 CFR Part 15, Subpart C Section 15.247 (a)(1)	ANSI C63.10 (2013)	PASS
Band-edge for RF Conducted Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 (2013)	PASS
RF Conducted Spurious Emissions	47 CFR Part 15, Subpart C Section 15.247(d)	ANSI C63.10 (2013)	PASS
Radiated Spurious emissions	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 (2013)	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15, Subpart C Section 15.205/15.209	ANSI C63.10 (2013)	PASS



Report No.: SZEM170500533107

Page: 4 of 80

### 4 Contents

			Page
1	C	OVER PAGE	1
2	VE	ERSION	2
3		EST SUMMARY	
4	C	ONTENTS	4
5	GI	ENERAL INFORMATION	5
	5.1	CLIENT INFORMATION	5
	5.2	GENERAL DESCRIPTION OF EUT	
	5.3	TEST ENVIRONMENT	
	5.4	DESCRIPTION OF SUPPORT UNITS	
	5.5	TEST LOCATION	
	5.6	TEST FACILITY	7
	5.7	DEVIATION FROM STANDARDS	7
	5.8	ABNORMALITIES FROM STANDARD CONDITIONS	8
	5.9	OTHER INFORMATION REQUESTED BY THE CUSTOMER	
	5.10	MEASUREMENT UNCERTAINTY (95% CONFIDENCE LEVELS, K=2)	
	5.11	EQUIPMENT LIST	9
6	TE	EST RESULTS AND MEASUREMENT DATA	12
	6.1	ANTENNA REQUIREMENT	12
	6.2	CONDUCTED EMISSIONS	13
	6.3	CONDUCTED PEAK OUTPUT POWER	17
	6.4	20DB OCCUPY BANDWIDTH	24
	6.5	CARRIER FREQUENCIES SEPARATION	30
	6.6	HOPPING CHANNEL NUMBER	34
	6.7	DWELL TIME	
	6.8	BAND-EDGE FOR RF CONDUCTED EMISSIONS	
	6.9	SPURIOUS RF CONDUCTED EMISSIONS	
	6.10	RADIATED SPURIOUS EMISSION	
	_	10.1 Radiated Emission below 1GHz	
		10.2 Transmitter Emission above 1GHz	
	6.11	RESTRICTED BANDS AROUND FUNDAMENTAL FREQUENCY	74
7	DI	HOTOGRAPHS - ELIT CONSTRUCTIONAL DETAILS	80



Report No.: SZEM170500533107

Page: 5 of 80

### 5 General Information

### 5.1 Client Information

Applicant:	Kyocera Corporation	
Address of Applicant:	2-1-1 Kagahara, Tsuzuki-ku, Yokohama-shi, Kanagawa, Japan	
Manufacturer:	Kyocera Corporation	
Address of Manufacturer:	2-1-1 Kagahara, Tsuzuki-ku, Yokohama-shi, Kanagawa, Japan	
Factory:	Kyocera Corporation	
Address of Factory:	2-1-1 Kagahara, Tsuzuki-ku, Yokohama-shi, Kanagawa, Japan	

### 5.2 General Description of EUT

Product Name:	Tablet
Model No.:	FA85
Trade Mark:	Kyocera
Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	V4.2 Dual mode
Modulation Technique:	Frequency Hopping Spread Spectrum(FHSS)
Modulation Type:	GFSK, π/4DQPSK, 8DPSK
Number of Channel:	79
Hopping Channel Type:	Adaptive Frequency Hopping systems
Sample Type:	Portable production
Antenna Type:	PIFA
Antenna Gain:	2.62dBi
Power Supply	DC3.8V (1 x 3.8V Rechargeable battery)7000mAh Battery: Charge by DC 5V



Report No.: SZEM170500533107

Page: 6 of 80

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
0	2402MHz	20	2422MHz	40	2442MHz	60	2462MHz
1	2403MHz	21	2423MHz	41	2443MHz	61	2463MHz
2	2404MHz	22	2424MHz	42	2444MHz	62	2464MHz
3	2405MHz	23	2425MHz	43	2445MHz	63	2465MHz
4	2406MHz	24	2426MHz	44	2446MHz	64	2466MHz
5	2407MHz	25	2427MHz	45	2447MHz	65	2467MHz
6	2408MHz	26	2428MHz	46	2448MHz	66	2468MHz
7	2409MHz	27	2429MHz	47	2449MHz	67	2469MHz
8	2410MHz	28	2430MHz	48	2450MHz	68	2470MHz
9	2411MHz	29	2431MHz	49	2451MHz	69	2471MHz
10	2412MHz	30	2432MHz	50	2452MHz	70	2472MHz
11	2413MHz	31	2433MHz	51	2453MHz	71	2473MHz
12	2414MHz	32	2434MHz	52	2454MHz	72	2474MHz
13	2415MHz	33	2435MHz	53	2455MHz	73	2475MHz
14	2416MHz	34	2436MHz	54	2456MHz	74	2476MHz
15	2417MHz	35	2437MHz	55	2457MHz	75	2477MHz
16	2418MHz	36	2438MHz	56	2458MHz	76	2478MHz
17	2419MHz	37	2439MHz	57	2459MHz	77	2479MHz
18	2420MHz	38	2440MHz	58	2460MHz	78	2480MHz
19	2421MHz	39	2441MHz	59	2461MHz		

#### Note:

In section 15.31(m), regards to the operating frequency range over 10 MHz, the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, and the selected channel see below:

Channel	Frequency
The Lowest channel	2402MHz
The Middle channel	2441MHz
The Highest channel	2480MHz



Report No.: SZEM170500533107

Page: 7 of 80

#### 5.3 Test Environment

Operating Environment				
Temperature: 24.0 °C				
Humidity:	55 % RH			
Atmospheric Pressure:	1005 mbar			

### 5.4 Description of Support Units

The EUT has been tested independent unit.

#### 5.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

No. 1 Workshop, M-10, Middle Section, Science & Technology Park, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

### 5.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

#### • CNAS (No. CNAS L2929)

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

#### A2LA (Certificate No. 3816.01)

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

#### VCCI

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

#### • FCC -Designation Number: CN1178

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

#### • Industry Canada (IC)

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

#### 5.7 Deviation from Standards

None.



Report No.: SZEM170500533107

Page: 8 of 80

### 5.8 Abnormalities from Standard Conditions

None.

### 5.9 Other Information Requested by the Customer

None.

### 5.10 Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Total RF power, conducted	0.75dB
2	RF power density, conducted	2.84dB
3	Spurious emissions, conducted	0.75dB
		4.5dB (30MHz-1GHz)
4	Radiated Spurious emission test	4.8dB (1GHz-25GHz)
5	Conduct emission test	3.12 dB(9KHz- 30MHz)
6	Temperature test	1°C
7	Humidity test	3%
8	DC and low frequency voltages	0.5%



Report No.: SZEM170500533107

Page: 9 of 80

### 5.11 Equipment List

	Conducted Emission						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Duedate (yyyy-mm-dd)	
1	Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017-05-10	2018-05-10	
2	LISN	Rohde & Schwarz	ENV216	SEM007-01	2017-10-09	2018-10-09	
3	LISN	ETS-LINDGREN	3816/2	SEM007-02	2017-04-14	2018-04-14	
4	8 Line ISN	Fischer Custom Communications Inc.	FCC- TLISN-T8- 02	EMC0120	2017-09-28	2018-09-28	
5	4 Line ISN	Fischer Custom Communications Inc.	FCC- TLISN-T4- 02	EMC0121	2017-09-28	2018-09-28	
6	2 Line ISN	Fischer Custom Communications Inc.	FCC- TLISN-T2- 02	EMC0122	2017-09-28	2018-09-28	
7	EMI Test Receiver	Rohde & Schwarz	ESCI	SEM004-02	2017-04-14	2018-04-14	
8	DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-10-09	2018-10-09	

	RF connected test						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Duedate (yyyy-mm-dd)	
1	DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2017-10-09	2018-10-09	
2	Signal Analyzer	Rohde &Schwarz	FSV	W005-02	2017-03-06	2018-03-06	
3	Signal Generator	Rohde &Schwarz	SML03	SEM006-02	2017-04-14	2018-04-14	
4	Power Meter	Rohde &Schwarz	NRVS	SEM014-02	2017-10-09	2018-10-09	
5	Power Sensor	Agilent Technologies	U2021XA	SEM009-01	2017-10-09	2018-10-09	



Report No.: SZEM170500533107

Page: 10 of 80

	RE in Chamber						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)	
1	3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017-05-10	2018-05-10	
2	EMI Test Receiver	Agilent Technologies	N9038A	SEM004-05	2017-10-09	2018-10-09	
3	BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-01	2017-11-01	2020-11-01	
4	Double-ridged horn (1-18GHz)	ETS-LINDGREN	3117	SEM003-11	2015-10-17	2018-10-17	
5	Horn Antenna (18-26GHz)	ETS-LINDGREN	3160	SEM003-12	2017-11-24	2020-11-24	
6	Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2017-04-14	2018-04-14	
7	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A	
8	DC Power Supply	Zhao Xin	RXN-305D	SEM011-02	2017-10-09	2018-10-09	
9	Loop Antenna	Beijing Daze	ZN30401	SEM003-09	2015-05-13	2018-05-13	

RE in Chamber						
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
1	10m Semi-Anechoic Chamber	SAEMC	FSAC1018	SEM001-03	2017-05-10	2018-05-10
2	EMI Test Receiver (9k-7GHz)	Rohde & Schwarz	ESR	SEM004-03	2017-04-14	2018-04-14
3	Trilog-Broadband Antenna(30M-1GHz)	Schwarzbeck	VULB9168	SEM003-18	2016-06-29	2019-06-29
4	Pre-amplifier	Sonoma Instrument Co	310N	SEM005-03	2017-07-06	2018-07-06
5	.Loop Antenna	ETS-Lindgren	6502	SEM003-08	2015-08-14	2018-08-14



Report No.: SZEM170500533107

Page: 11 of 80

	RE in Chamber							
Item	Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. date (yyyy-mm-dd)	Cal.Due date (yyyy-mm-dd)		
1	3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2017-05-10	2018-05-10		
2	EXA Spectrum Analyzer	Agilent Technologies Inc	N9010A	SEM004-09	2017-07-19	2018-07-19		
3	BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-02	2017-11-15	2020-11-15		
4	Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2017-10-09	2018-10-09		
5	Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-14		
6	Horn Antenna (18-26GHz)	ETS-Lindgren	3160	SEM003-12	2017-11-24	2020-11-24		
7	HornAntenna (26GHz-40GHz)	A.H.Systems, inc.	SAS-573	SEM003-13	2015-02-12	2018-02-12		
8	Low Noise Amplifier	Black Diamond Series	BDLNA- 0118- 352810	SEM005-05	2017-10-09	2018-10-09		
9	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A		



Report No.: SZEM170500533107

Page: 12 of 80

### 6 Test results and Measurement Data

### 6.1 Antenna Requirement

Standard requirement: 47 CFR Part 15C Section 15.203 /247(c)

15.203 requirement:

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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

15.247(b) (4) requirement:

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. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2.62dBi.



Report No.: SZEM170500533107

Page: 13 of 80

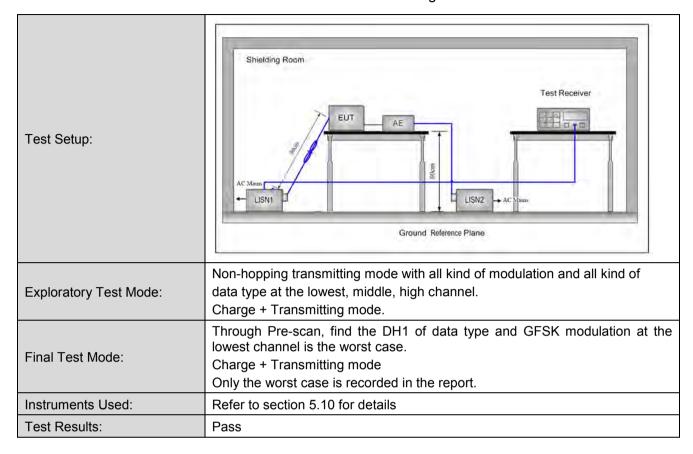
### 6.2 Conducted Emissions

Test Requirement:	47 CFR Part 15C Section 15.207			
Test Method:	ANSI C63.10: 2013			
Test Frequency Range:	150kHz to 30MHz			
	Frequency range (MHz)	Limit (dBuV)		
	Trequency range (Wiriz)	Quasi-peak	Average	
Limit:	0.15-0.5	66 to 56*	56 to 46*	
	0.5-5	56	46	
	5-30	60	50	
	* Decreases with the logarith	m of the frequency.		
Test Procedure:	<ul> <li>* Decreases with the logarithm of the frequency.</li> <li>1) The mains terminal disturbance voltage test was conducted in a shielde room.</li> <li>2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.</li> <li>3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,</li> <li>4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.</li> <li>5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to</li> </ul>			



Report No.: SZEM170500533107

Page: 14 of 80





Report No.: SZEM170500533107

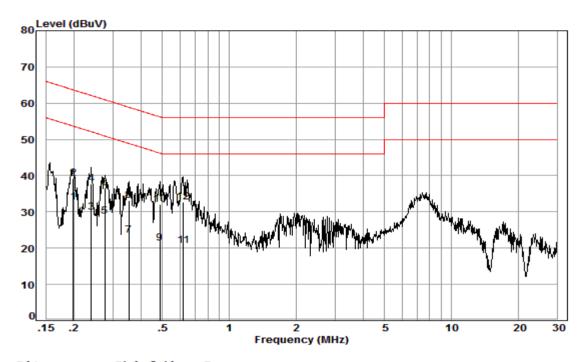
Page: 15 of 80

#### **Measurement Data**

An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

Live line:



Site : Shielding Room

Condition: Line Job No. : 05331RG

Test mode: b

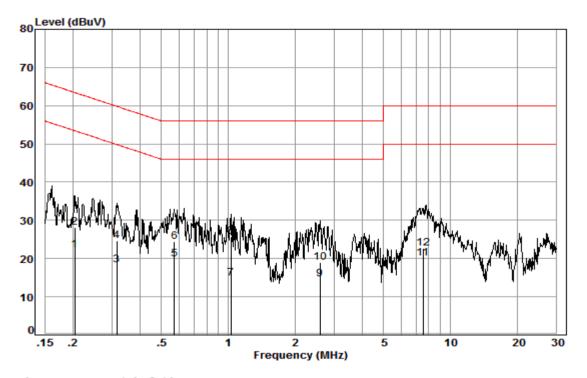
	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.20	0.02	9.50	23.22	32.74	53.67	-20.93	Average
2	0.20	0.02	9.50	29.65	39.17	63.67	-24.50	QP
3	0.24	0.01	9.51	20.24	29.76	52.13	-22.37	Average
4	0.24	0.01	9.51	28.25	37.77	62.13	-24.36	QP
5	0.28	0.01	9.51	19.21	28.73	50.94	-22.21	Average
6	0.28	0.01	9.51	27.17	36.69	60.94	-24.25	QP
7	0.35	0.01	9.50	14.12	23.63	48.87	-25.24	Average
8	0.35	0.01	9.50	23.64	33.15	58.87	-25.72	QP
9	0.49	0.01	9.49	11.97	21.47	46.23	-24.76	Average
10	0.49	0.01	9.49	22.51	32.01	56.23	-24.22	QP
11	0.62	0.02	9.52	11.09	20.63	46.00	-25.37	Average
12	0.62	0.02	9.52	23.22	32.76	56.00	-23.24	QP



Report No.: SZEM170500533107

Page: 16 of 80

#### Neutral line:



Site : Shielding Room

Condition: Neutral Job No. : 05331RG

Test mode: b

	Freq	Cable Loss	LISN Factor	Read Level	Level	Limit Line	Over Limit	Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.20	0.02	9.57	12.72	22.31	53.45	-31.14	Average
2	0.20	0.02	9.57	18.53	28.12	63.45	-35.33	QP
3	0.31	0.01	9.58	8.75	18.34	49.84	-31.50	Average
4	0.31	0.01	9.58	15.06	24.65	59.84	-35.19	QP
5	0.57	0.01	9.61	10.22	19.84	46.00	-26.16	Average
6	0.57	0.01	9.61	14.81	24.43	56.00	-31.57	QP
7	1.03	0.02	9.63	5.23	14.88	46.00	-31.12	Average
8	1.03	0.02	9.63	15.97	25.62	56.00	-30.38	QP
9	2.59	0.02	9.64	5.03	14.69	46.00	-31.31	Average
10	2.59	0.02	9.64	9.25	18.91	56.00	-37.09	QP
11	7.53	0.01	9.73	10.23	19.97	50.00	-30.03	Average
12	7.53	0.01	9.73	13.03	22.77	60.00	-37.23	QP

#### Notes:

- 1. The following Quasi-Peak and Average measurements were performed on the EUT:
- 2. Final Test Level =Receiver Reading + LISN Factor + Cable Loss.

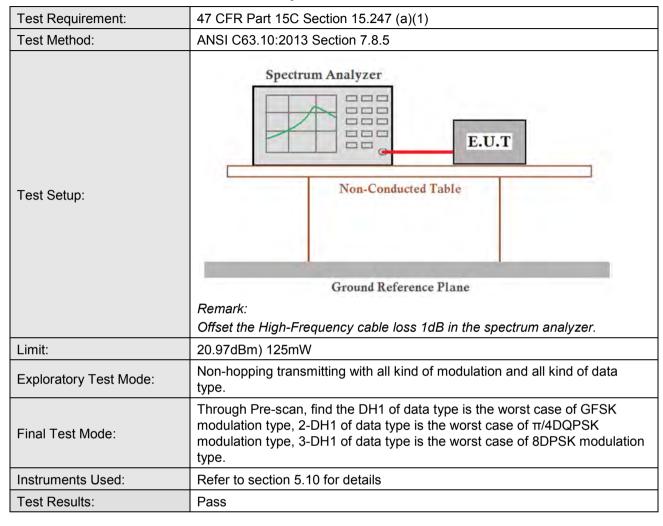
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Report No.: SZEM170500533107

Page: 17 of 80

### 6.3 Conducted Peak Output Power





Report No.: SZEM170500533107

Page: 18 of 80

#### **Measurement Data**

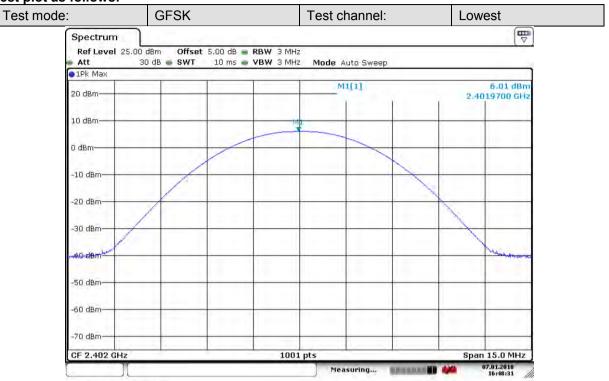
GFSK mode				
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result	
Lowest	6.01	20.97	Pass	
Middle	7.26	20.97	Pass	
Highest	3.91	20.97	Pass	
	π/4DQPSK m	ode		
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result	
Lowest	6.07	20.97	Pass	
Middle	7.34	20.97	Pass	
Highest	4.00	20.97	Pass	
	8DPSK mod	de		
Test channel	Peak Output Power (dBm)	Limit (dBm)	Result	
Lowest	6.34	20.97	Pass	
Middle	7.50	20.97	Pass	
Highest	4.26	20.97	Pass	



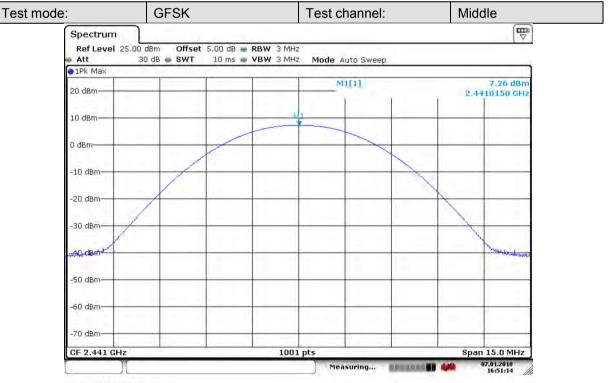
Report No.: SZEM170500533107

Page: 19 of 80

Test plot as follows:



Date: 7.JAN.2018 16:48:31

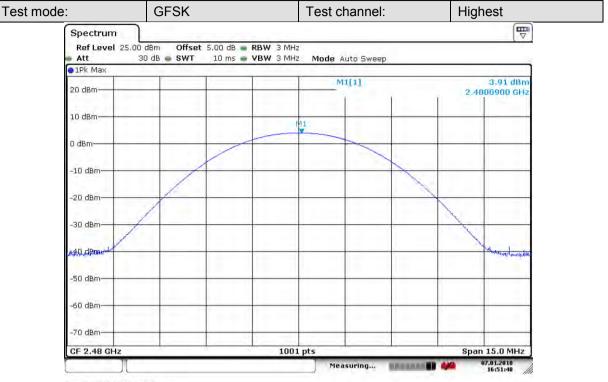


Date: 7.JAN.2018 16:51:15

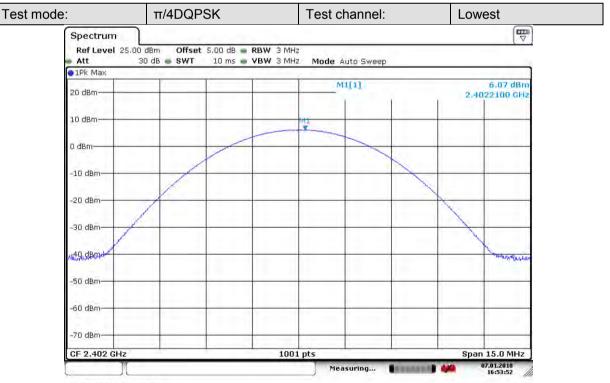


Report No.: SZEM170500533107

Page: 20 of 80



Date: 7.JAN.2018 16:51:48

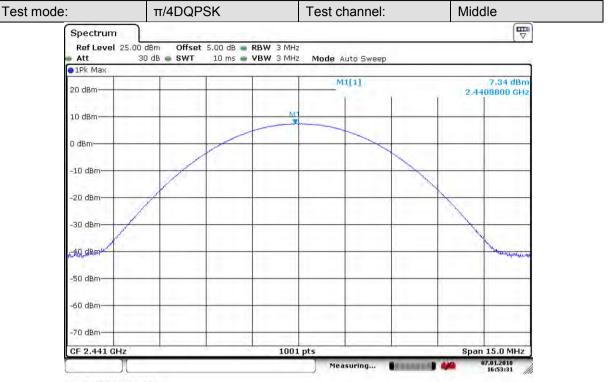


Date: 7 JAN 2018 16:53:53

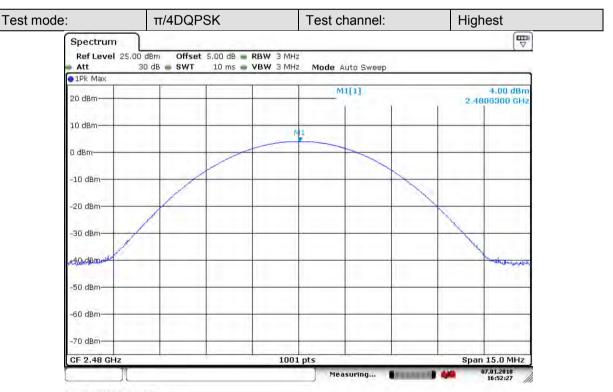


Report No.: SZEM170500533107

Page: 21 of 80



Date: 7.JAN.2018 16:53:31

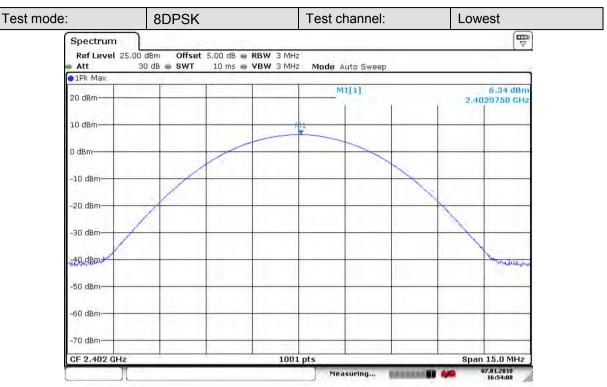


Date: 7. JAN. 2018 16:52:28

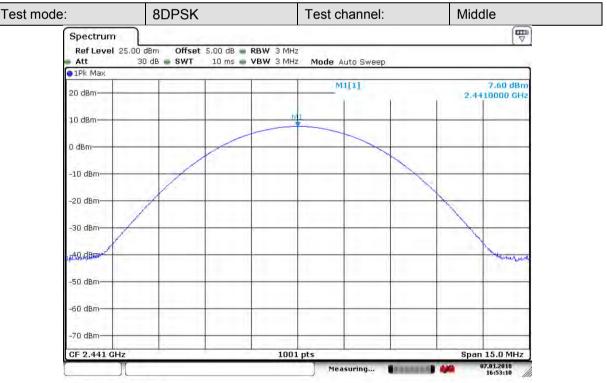


Report No.: SZEM170500533107

Page: 22 of 80



Date: 7.JAN.2018 16:54:08

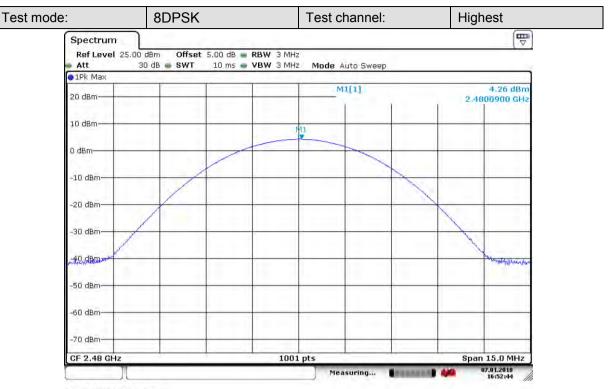


Date: 7.JAN.2018 16:53:10



Report No.: SZEM170500533107

Page: 23 of 80



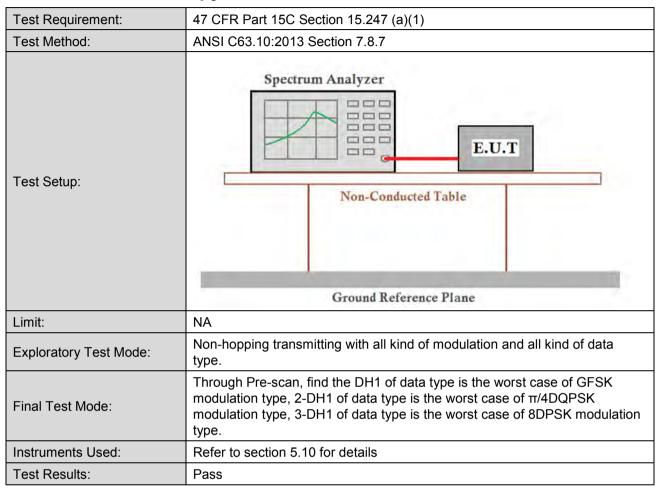
Date: 7.JAN.2018 16:52:45



Report No.: SZEM170500533107

Page: 24 of 80

### 6.4 20dB Occupy Bandwidth



#### **Measurement Data**

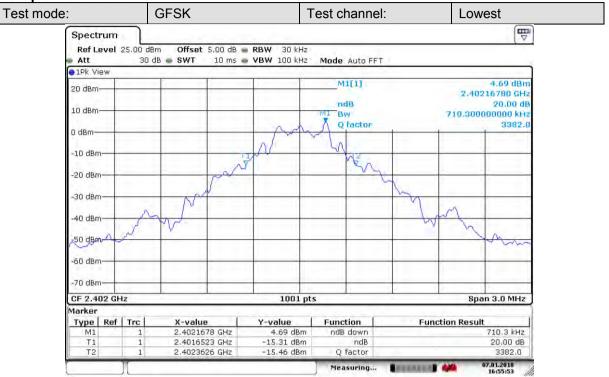
	20dB Occupy Bandwidth (kHz)				
Test channel	GFSK	π/4DQPSK	8DPSK		
Lowest	710.3	1213.8	2402.2		
Middle	710.3	1285.7	2441.2		
Highest	710.3	1216.8	2480.2		



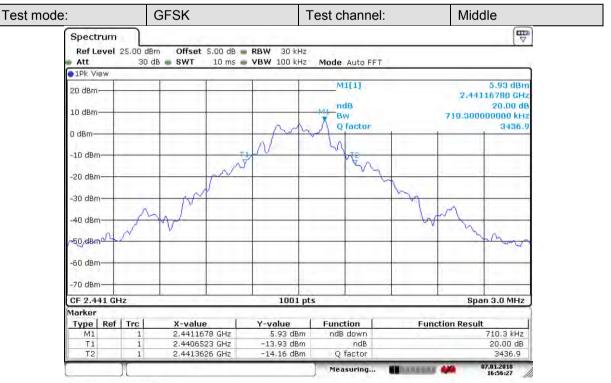
Report No.: SZEM170500533107

Page: 25 of 80

#### Test plot as follows:



Date: 7.JAN.2018 16:55:53

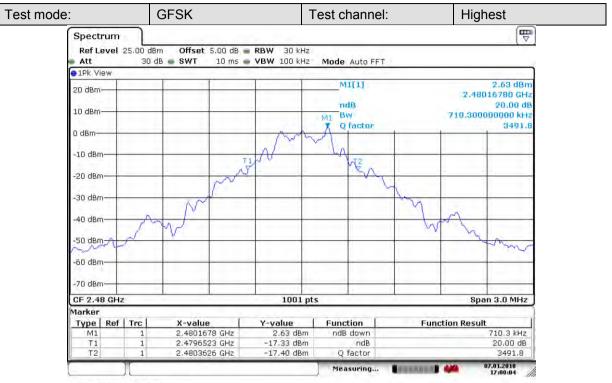


Date: 7.JAN.2018 16:56:27

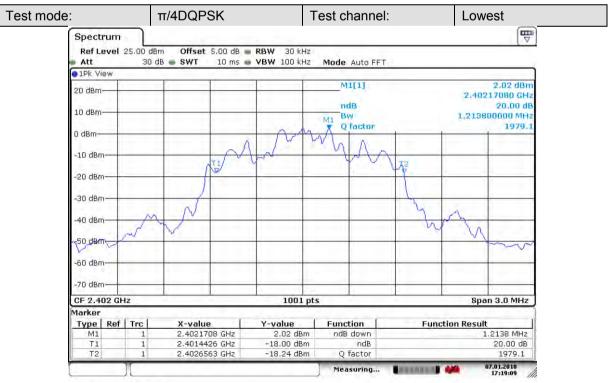


Report No.: SZEM170500533107

Page: 26 of 80



Date: 7.JAN.2018 17:00:05

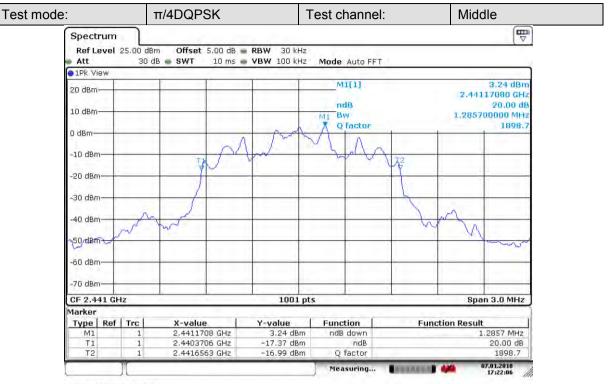


Date: 7.JAN.2018 17:19:10

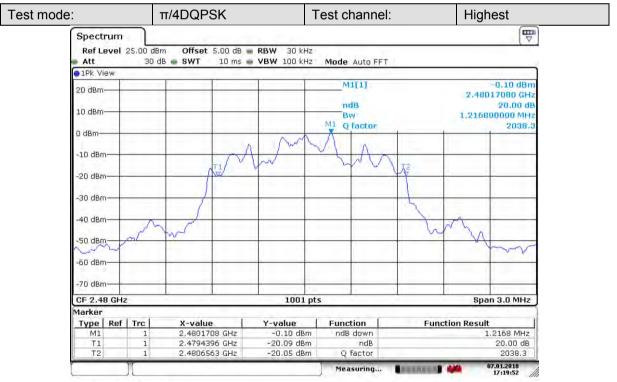


Report No.: SZEM170500533107

Page: 27 of 80



Date: 7.JAN.2018 17:22:06

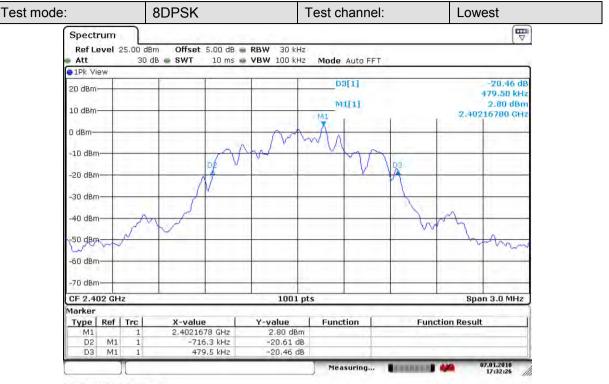


Date: 7.JAN.2018 17:19:52

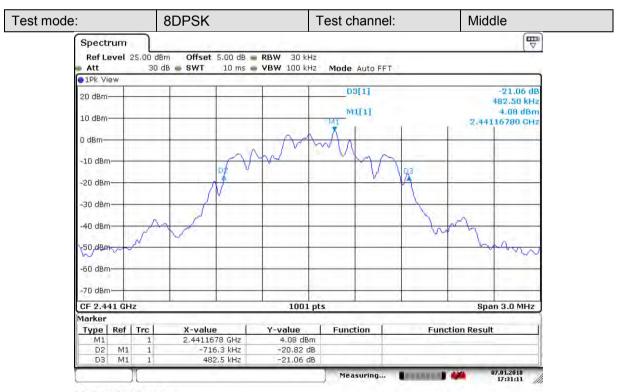


Report No.: SZEM170500533107

Page: 28 of 80



Date: 7.JAN.2018 17:32:27

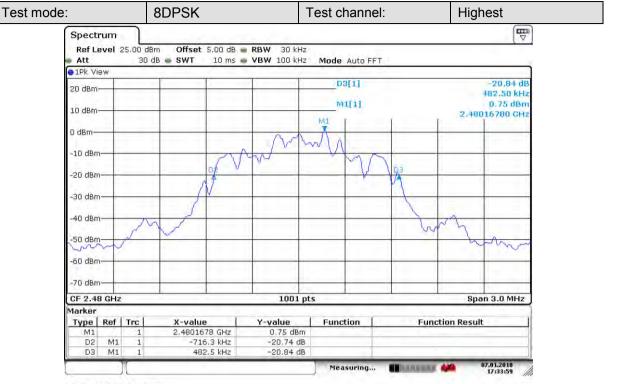


Date: 7.JAN.2018 17:31:11



Report No.: SZEM170500533107

Page: 29 of 80



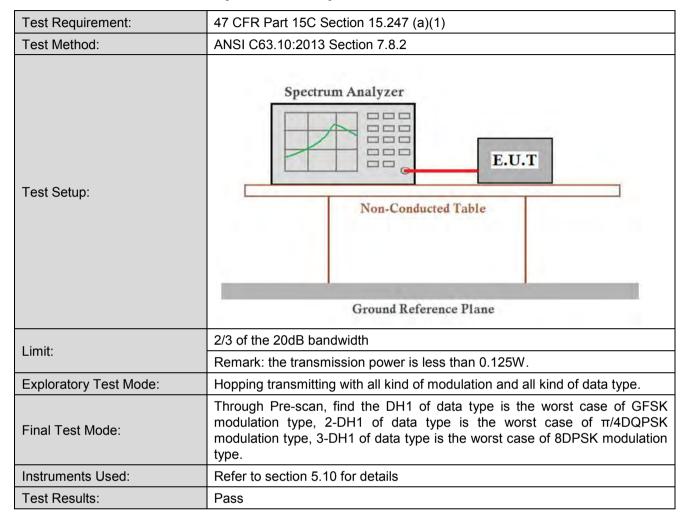
Date: 7.JAN.2018 17:33:59



Report No.: SZEM170500533107

Page: 30 of 80

### 6.5 Carrier Frequencies Separation





Report No.: SZEM170500533107

Page: 31 of 80

	GFSK mode				
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result		
Middle	1001	473.5	Pass		
	π/4DQPSK m	node			
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result		
Middle	836.2	809.2	Pass		
	8DPSK mode				
Test channel	Carrier Frequencies Separation (kHz)	Limit (kHz)	Result		
Middle	836.2	1601.5	Pass		

Note: According to section 6.4,

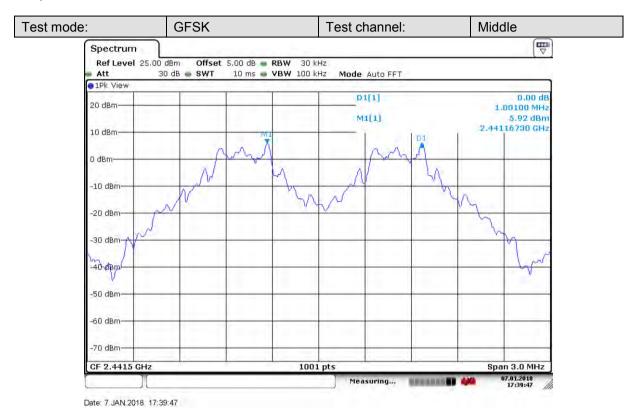
Mode	20dB bandwidth (kHz)	Limit (kHz)
Mode	(worse case)	(Carrier Frequencies Separation)
GFSK	710.3	473.5
π/4DQPSK	1213.8	809.2
8DPSK	2402.2	1601.5

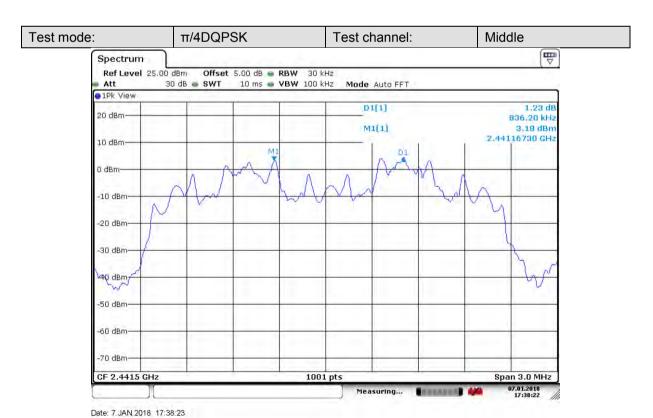


Report No.: SZEM170500533107

Page: 32 of 80

#### Test plot as follows:



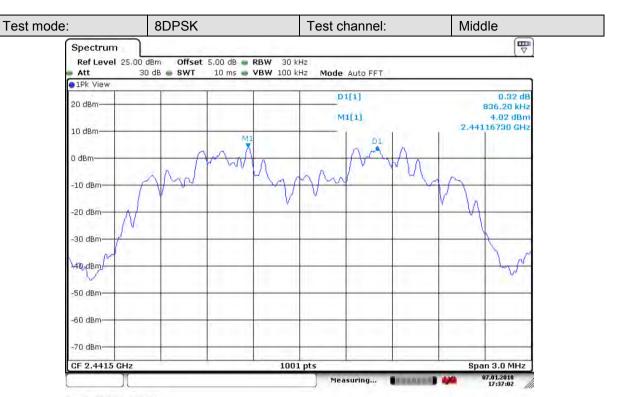


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Report No.: SZEM170500533107

Page: 33 of 80



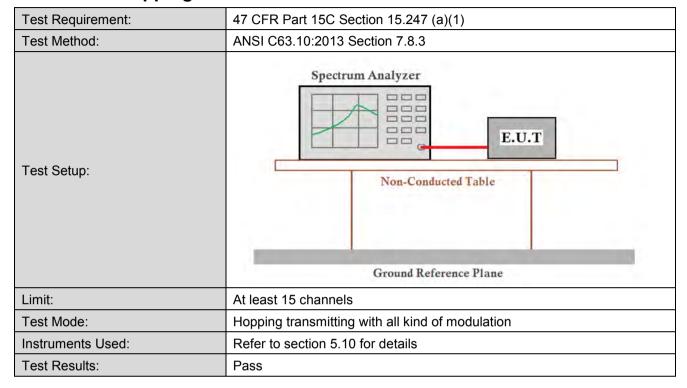
Date: 7.JAN.2018 17:37:03



Report No.: SZEM170500533107

Page: 34 of 80

### 6.6 Hopping Channel Number



#### **Measurement Data**

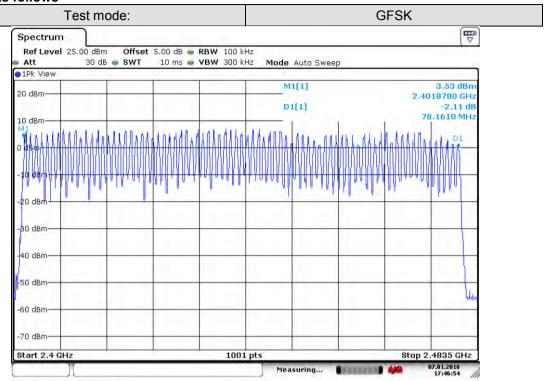
Mode	Hopping channel numbers	Limit				
GFSK	78.16	≥15				
π/4DQPSK	78.16	≥15				
8DPSK	78.08	≥15				



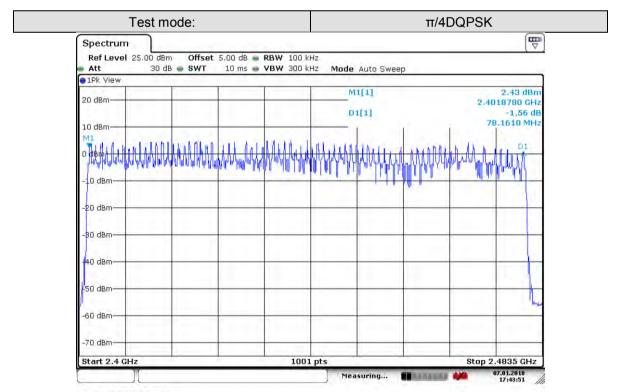
Report No.: SZEM170500533107

Page: 35 of 80

#### Test plot as follows



Date: 7.JAN.2018 17:46:55

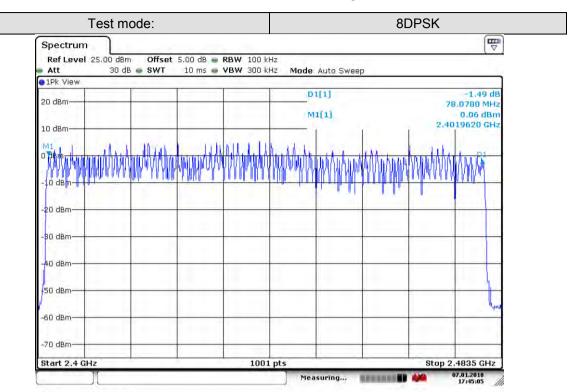


Date: 7.JAN.2018 17:43:51



Report No.: SZEM170500533107

Page: 36 of 80



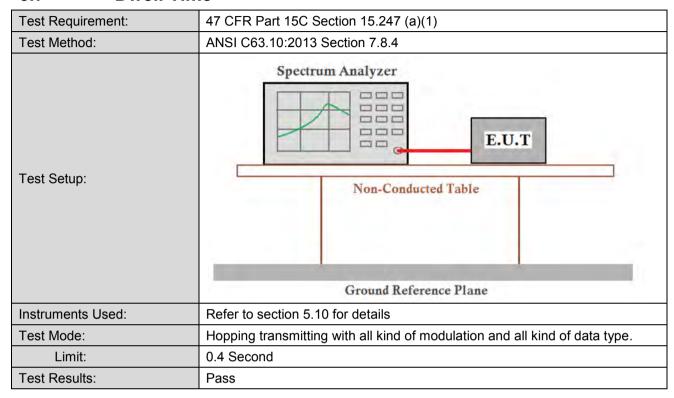
Date: 7.JAN.2018 17:45:05



Report No.: SZEM170500533107

Page: 37 of 80

### 6.7 Dwell Time



#### **Measurement Data**

Mode	Packet	Dwell time (second)	Limit (second)
	DH1	0.121	≤0.4
GFSK	DH3	0.183	≤0.4
	DH5	0.204	≤0.4
	2-DH1	0.122	≤0.4
π/4DQPSK	2-DH3	0.149	≤0.4
	2-DH5	0.204	≤0.4
	3-DH1	0.126	≤0.4
8DPSK	3-DH3	0.166	≤0.4
	3-DH5	0.234	≤0.4



Report No.: SZEM170500533107

Page: 38 of 80

#### Remark:

The test period: T= 0.4 Second/Channel x 79 Channel = 31.6 s

On (ms)\*total number=dwell time (ms)

The middle channel (2441MHz), as below:

DH1 time slot=0.402 (ms)\*total number=120.60 (ms)

DH3 time slot=1.661(ms)\* total number = 182.71 (ms)

DH5 time slot=2.920 (ms)\* total number = 204.40 (ms)

2-DH1 time slot=0.408 (ms)\*total number=122.40 (ms)

2-DH3 time slot=1.661 (ms)\* total number = 149.49 (ms)

2-DH5 time slot=2.920 (ms)\* total number = 204.40 (ms)

3-DH1 time slot=0.407 (ms)\*total number=126.17 (ms)

3-DH3 time slot=1.661 (ms)\* total number = 166.10 (ms)

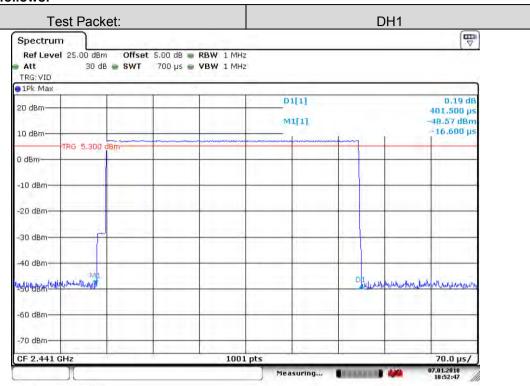
3-DH5 time slot=2.925 (ms)\* total number = 234.00 (ms)



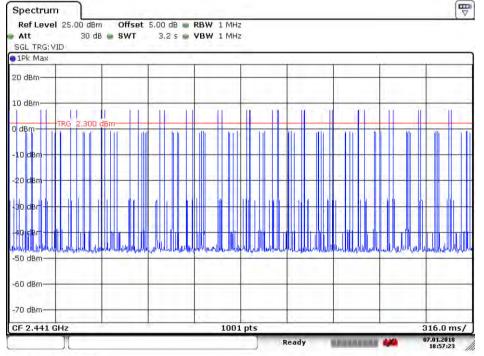
Report No.: SZEM170500533107

Page: 39 of 80

#### Test plot as follows:



Date: 7.JAN.2018 18:52:47

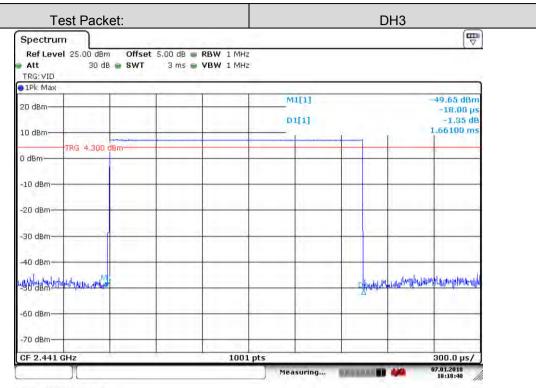


Date: 7.JAN.2018 18:57:23

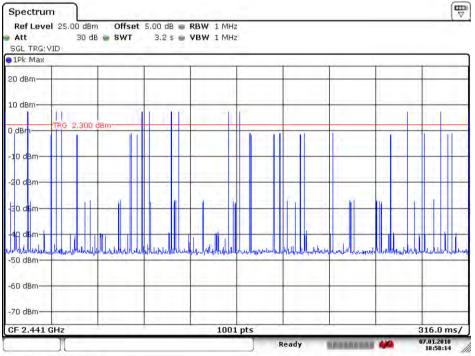


Report No.: SZEM170500533107

Page: 40 of 80



Date: 7.JAN.2018 18:18:40

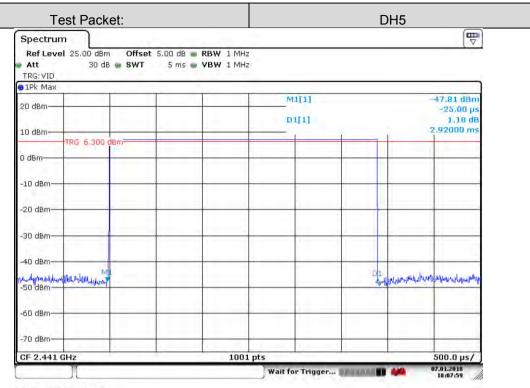


Date: 7 JAN 2018 18:58:15

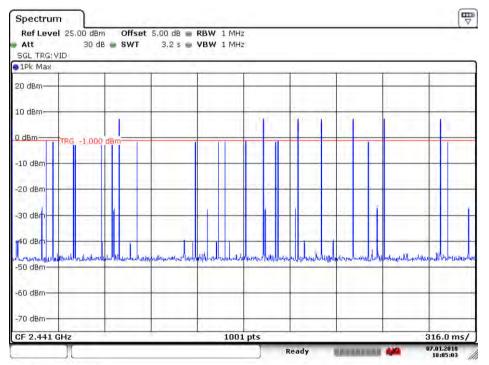


Report No.: SZEM170500533107

Page: 41 of 80





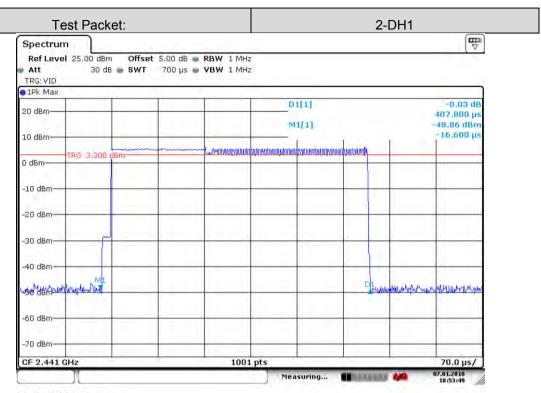


Date: 7.JAN.2018 18:05:03

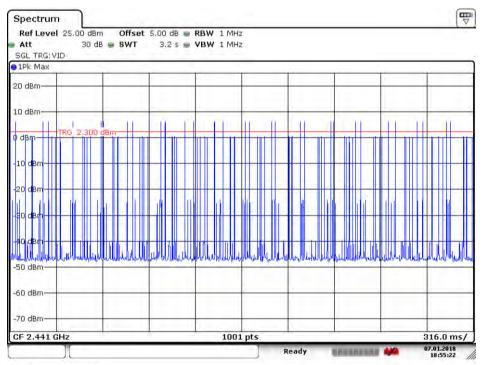


Report No.: SZEM170500533107

Page: 42 of 80



Date: 7 JAN 2018 18:53:49

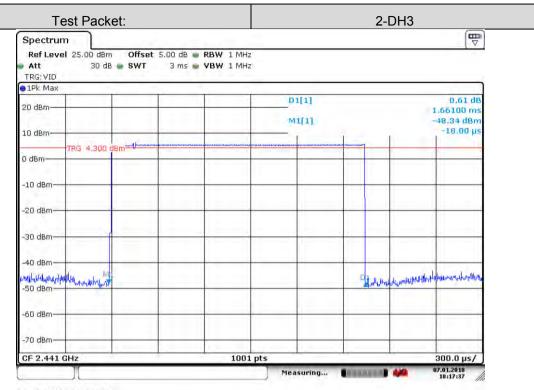


Date: 7.JAN.2018 18:55:22

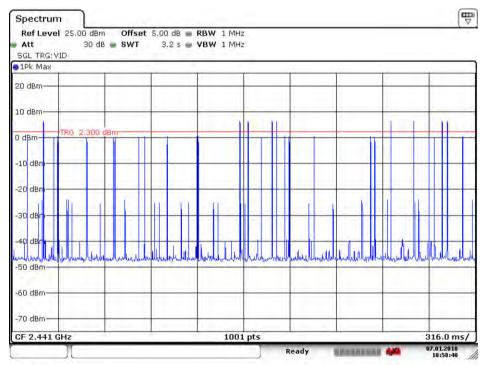


Report No.: SZEM170500533107

Page: 43 of 80





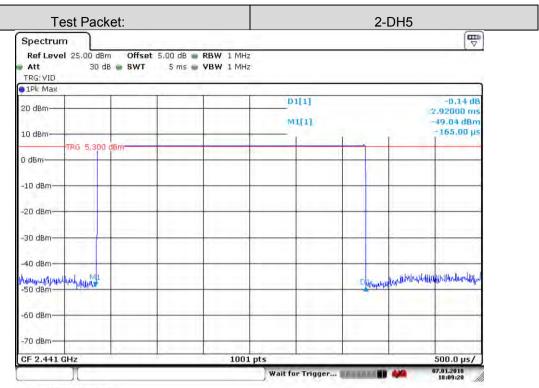


Date: 7.JAN.2018 18:58:40

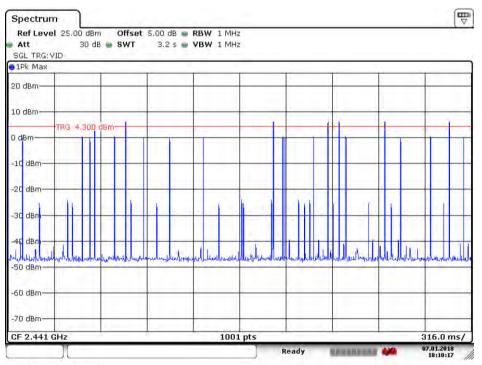


Report No.: SZEM170500533107

Page: 44 of 80



Date: 7.JAN.2018 18:09:20

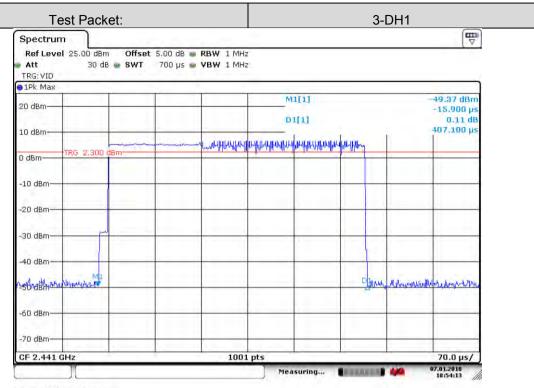


Date: 7.JAN.2018 18:10:17

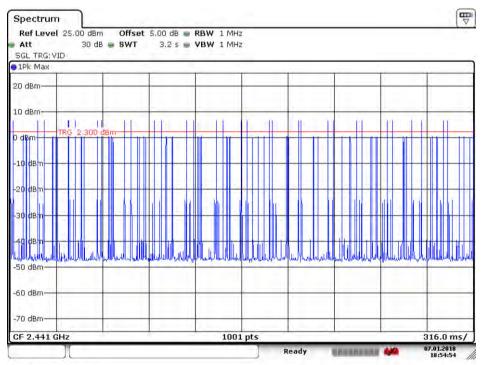


Report No.: SZEM170500533107

Page: 45 of 80



Date: 7.JAN.2018 18:54:13

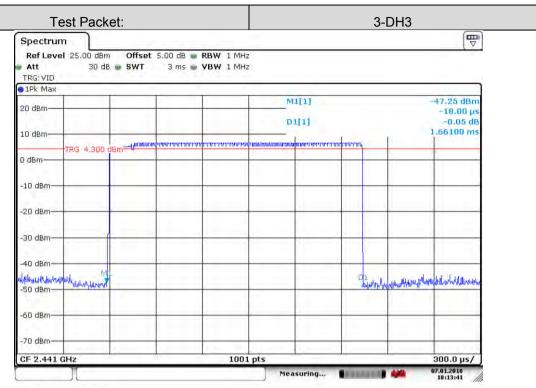


Date: 7.JAN.2018 18:54:54

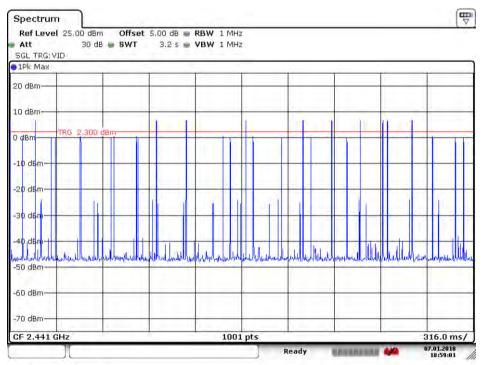


Report No.: SZEM170500533107

Page: 46 of 80



Date: 7.JAN.2018 18:13:42

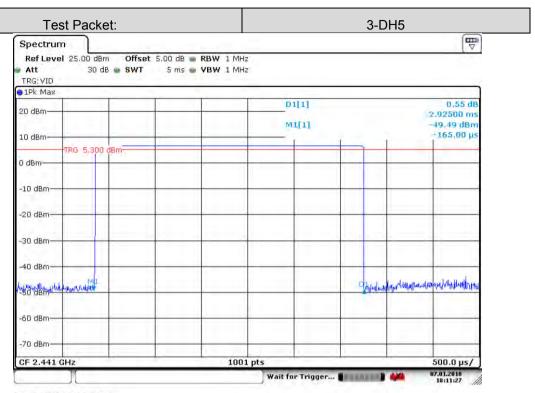


Date: 7.JAN.2018 18:59:01

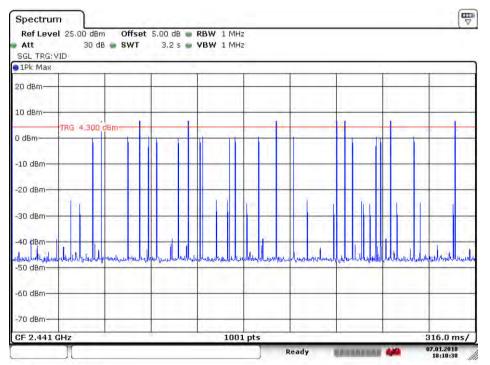


Report No.: SZEM170500533107

Page: 47 of 80



Date: 7.JAN.2018 18:11:27



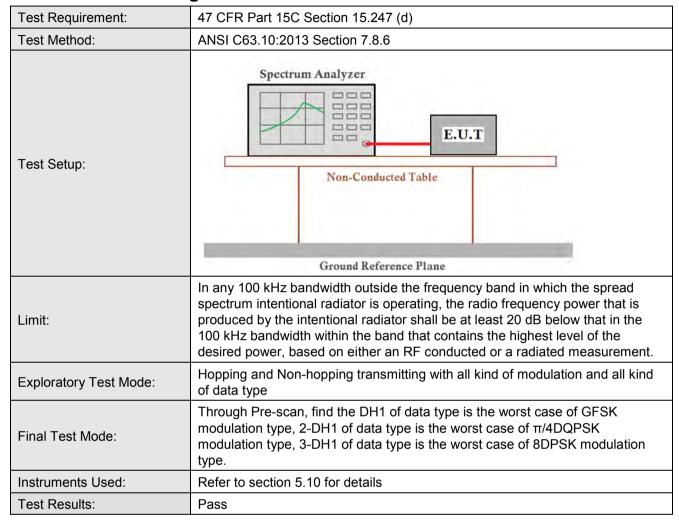
Date: 7.JAN.2018 18:10:39



Report No.: SZEM170500533107

Page: 48 of 80

### 6.8 Band-edge for RF Conducted Emissions

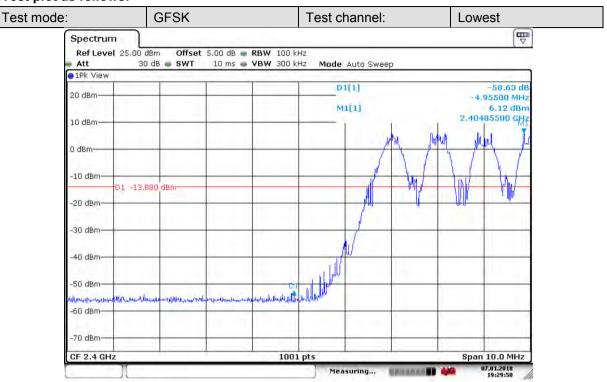




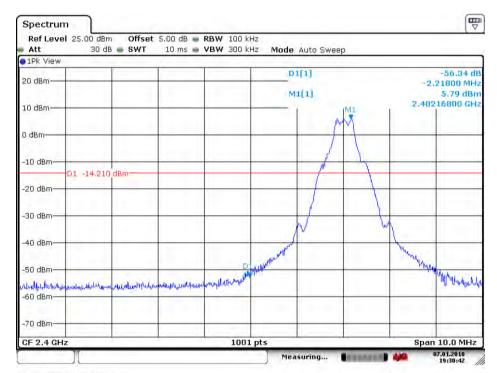
Report No.: SZEM170500533107

Page: 49 of 80

#### Test plot as follows:



Date: 7.JAN.2018 19:29:50

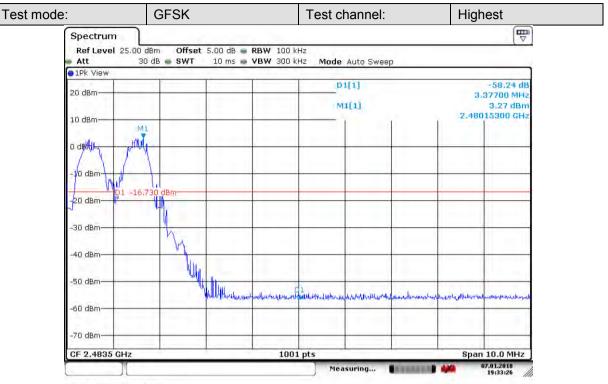


Date: 7.JAN.2018 19:30:43



Report No.: SZEM170500533107

Page: 50 of 80



Date: 7.JAN.2018 19:33:25

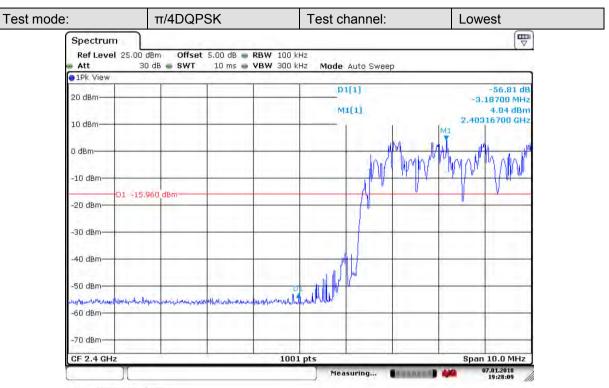


Date: 7.JAN.2018 19:31:48

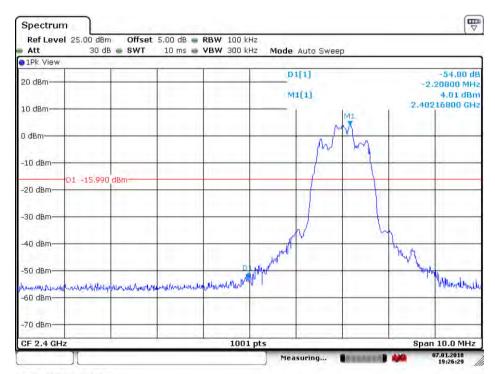


Report No.: SZEM170500533107

Page: 51 of 80



Date: 7.JAN.2018 19:28:09

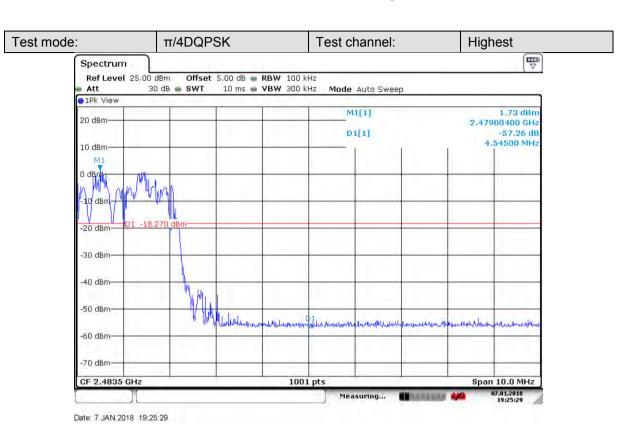


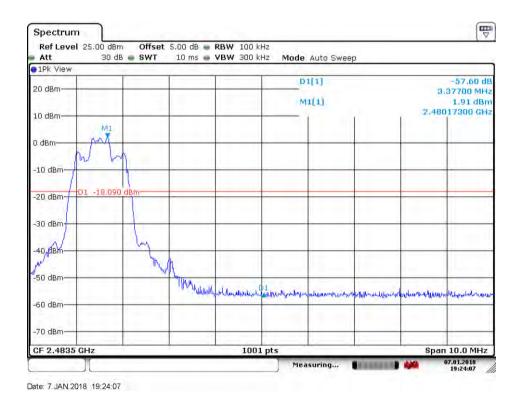
Date: 7.JAN.2018 19:26:29



Report No.: SZEM170500533107

Page: 52 of 80

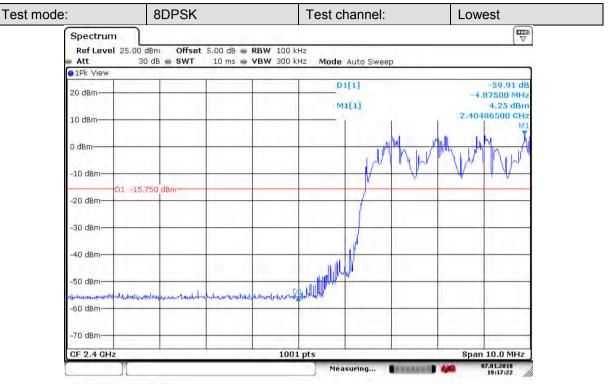




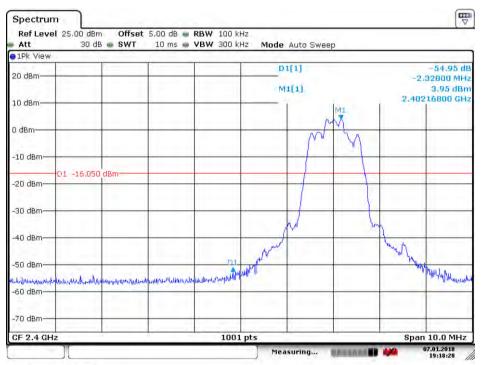


Report No.: SZEM170500533107

Page: 53 of 80



Date: 7.JAN.2018 19:17:22

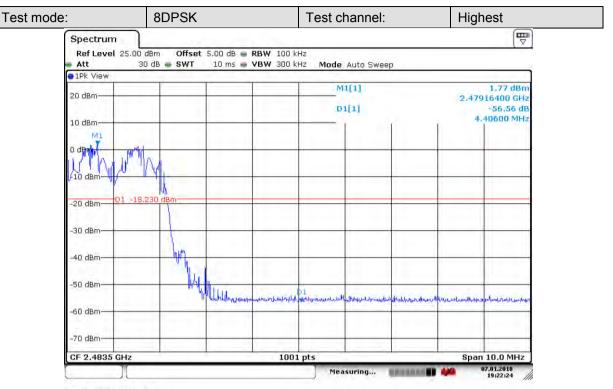


Date: 7.JAN.2018 19:18:29

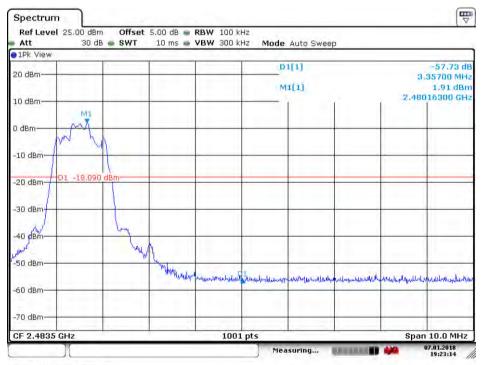


Report No.: SZEM170500533107

Page: 54 of 80



Date: 7.JAN.2018 19:22:25



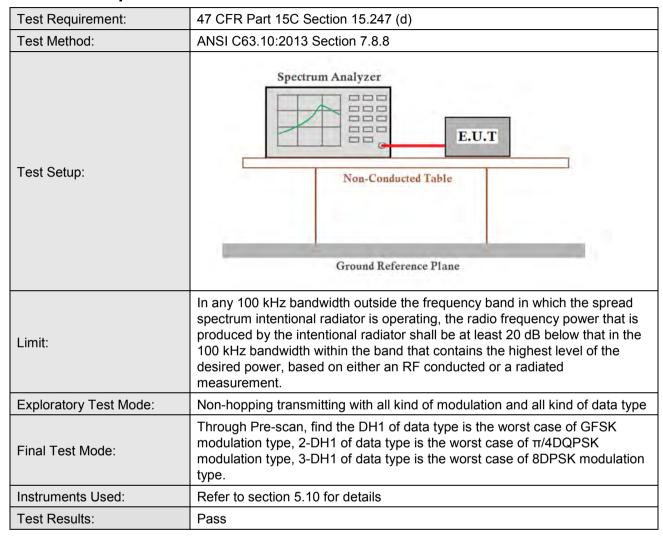
Date: 7.JAN.2018 19:23:14



Report No.: SZEM170500533107

Page: 55 of 80

### 6.9 Spurious RF Conducted Emissions





Report No.: SZEM170500533107

Page: 56 of 80

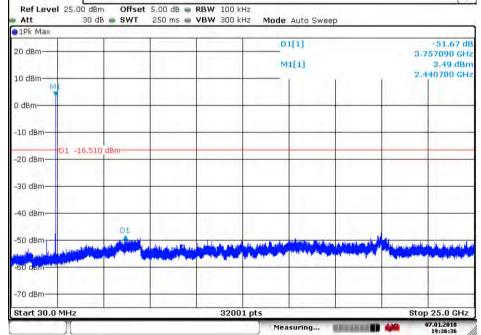
#### Test plot as follows:

**GFSK** Test mode: Test channel: Lowest 9 Spectrum Ref Level 25.00 dBm Offset 5.00 dB RBW 100 kHz Att 30 dB . SWT 250 ms - VBW 300 kHz Mode Auto Sweep • 1Pk Max D1[1] -53.06 dF 20 dBm-17.397300 GH M1[1] 5.00 dBm 2.401690 GHz 10 dBm-0 dBm -10 dBm-01 -15.000 dBm -20 dBm -30 dBm-40 dBm -60 asm -70 dBm-Start 30.0 MHz 32001 pts Stop 25.0 GHz Measuring... 07.01.2018 19:34:59

Test mode: GFSK Test channel: Middle

Spectrum

Ref Level 25.00 dBm Offset 5.00 dB RBW 100 kHz



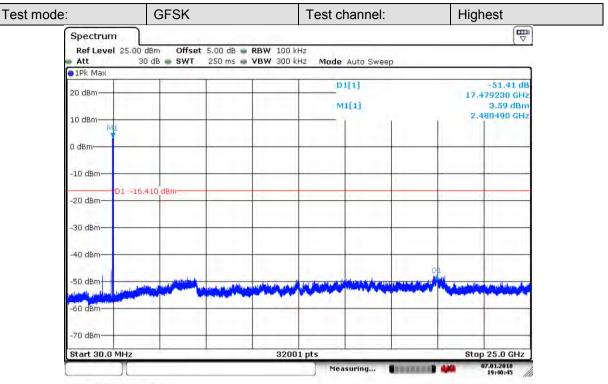
Date: 7.JAN.2018 19:36:37

Date: 7.JAN.2018 19:34:59

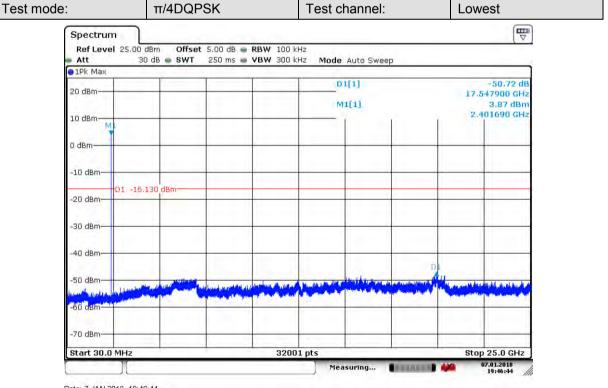


Report No.: SZEM170500533107

Page: 57 of 80



Date: 7.JAN.2018 19:40:45

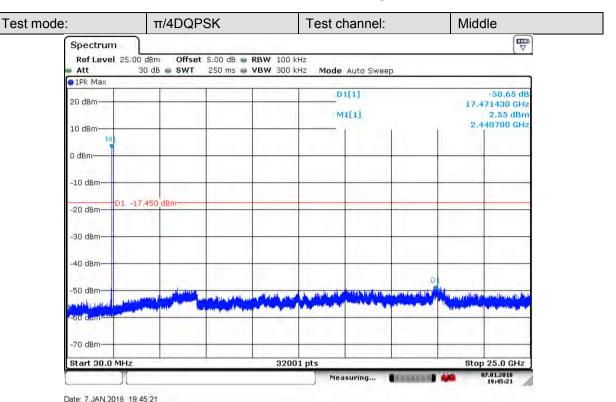


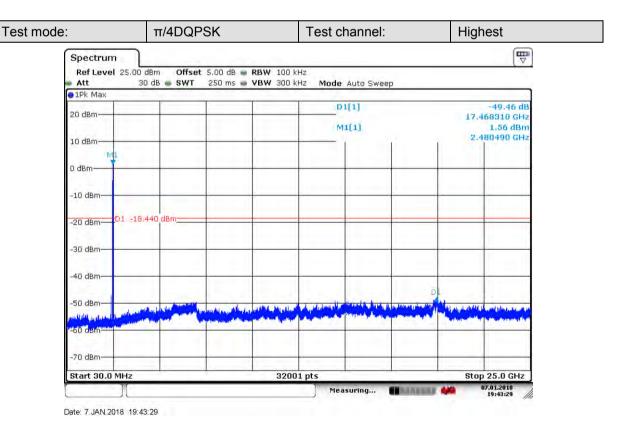
Date: 7.JAN.2018 19:46:44



Report No.: SZEM170500533107

Page: 58 of 80



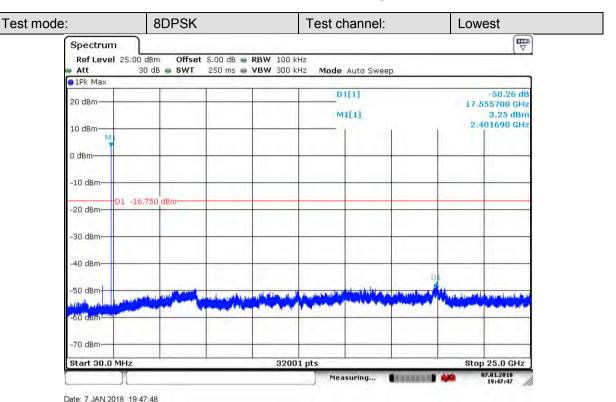


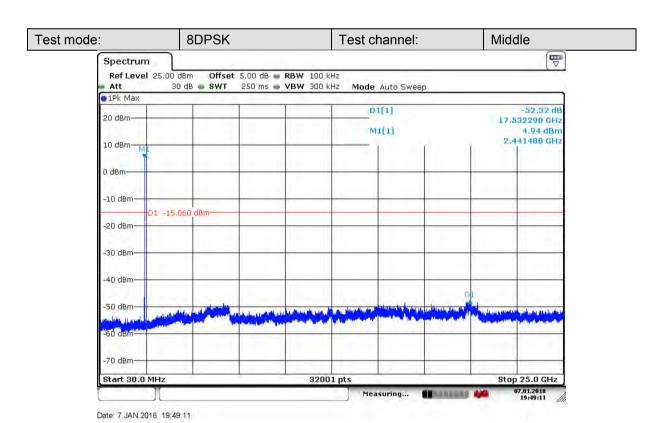
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Report No.: SZEM170500533107

Page: 59 of 80



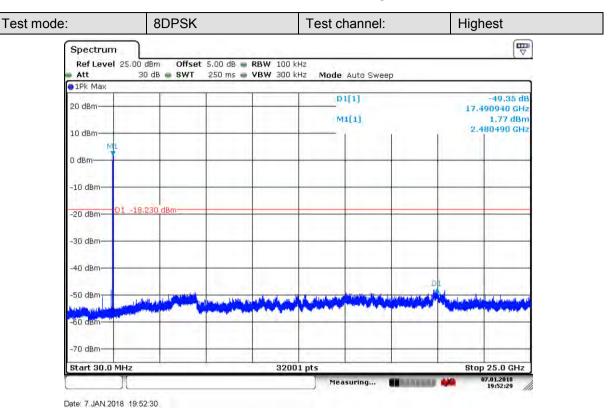


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Report No.: SZEM170500533107

Page: 60 of 80



#### Remark:

Scan from 9kHz to 25GHz, the disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported



Report No.: SZEM170500533107

Page: 61 of 80

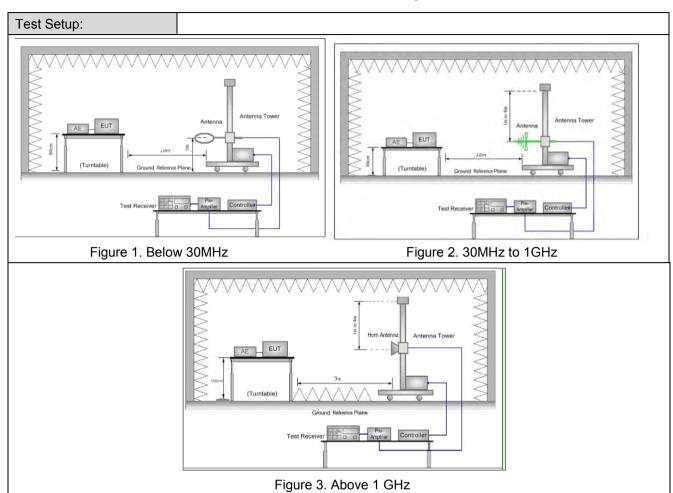
### 6.10 Radiated Spurious Emission

Test Requirement:	47 CFR Part 15C Sec	tion 1	5.209 and 15.2	205		
Test Method:	ANSI C63.10: 2013					
Test Site:	Measurement Distanc	e: 3n	n or 10m (Semi	i-Anechoic (	Chamber)	
	Frequency	Detector	RBW	VBW	Remark	
	0.009MHz-0.090MHz	Z	Peak	10kHz	30kHz	Peak
	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average	
	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak	
Boody or Sature	0.110MHz-0.490MHz	Z	Peak	10kHz	30kHz	Peak
Receiver Setup:	0.110MHz-0.490MHz	Z	Average	10kHz	30kHz	Average
	0.490MHz -30MHz		Quasi-peak	10kHz	30kHz	Quasi-peak
	30MHz-1GHz		Quasi-peak	100 kHz	300kHz	Quasi-peak
	Above 1CHz		Peak	1MHz	3MHz	Peak
	Above 1GHz		Peak	1MHz	10Hz	Average
	Frequency	Field strength (microvolt/meter)		Limit (dBuV/m)	Remark	Measurement distance (m)
	.009MHz-0.490MHz	240	0/F(kHz)	-	-	300
	.490MHz-1.705MHz	190MHz-1.705MHz 240		-	-	30
	.705MHz-30MHz	30		-	-	30
	30MHz-88MHz	100		40.0	Quasi- peak	3
Limate	88MHz-216MHz	150	1	43.5	Quasi- peak	3
Limit:	216MHz-960MHz	200	1	46.0	Quasi- peak	3
	960MHz-1GHz	500	1	54.0	Quasi- peak	3
	Above 1GHz	500	1	54.0	Averag e	3
	Note: 15.35(b), Unless emissions is 200 applicable to the peak emission le	dB ab equi	ove the maxim pment under te	um permitte est. This pea	ed average	emission limit



Report No.: SZEM170500533107

Page: 62 of 80





Report No.: SZEM170500533107

Page: 63 of 80

Test Procedure:	<ul> <li>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.</li> <li>h. Test the EUT in the lowest channel (2402MHz), the middle channel (2441MHz), the Highest channel (2402MHz), the middle channel (2410MHz).</li> <li>i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.</li> <li>j. Repeat above procedures until all frequencies measured was complete.</li> </ul>
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type Charge + Transmitting mode.
Final Test Mode:	Through Pre-scan, find the DH1 of data type and GFSK modulation is the worst case.  Pretest the EUT at Charge + Transmitting mode  For below 1GHz part, through pre-scan, the worst case is the lowest channel.
	Only the worst case is recorded in the report.
Instruments Used:	Refer to section 5.10 for details
Test Results:	Pass
	•



Report No.: SZEM170500533107

Page: 64 of 80

#### 6.10.1 Radiated Emission below 1GHz

The test was performed at a 10m test site. According to below formulate and the test data at 10m test distance.

 $L_3 / L_{10} = D_{10} / D_3$ 

Note:

 $L_3$ : Level @ 3m distance. Unit: uV/m;  $L_{10}$ : Level @ 10m distance. Unit: uV/m;

D<sub>3</sub>: 3m distance. Unit: m
D<sub>10</sub>: 10m distance. Unit: m
The level at 3m test distance is below:

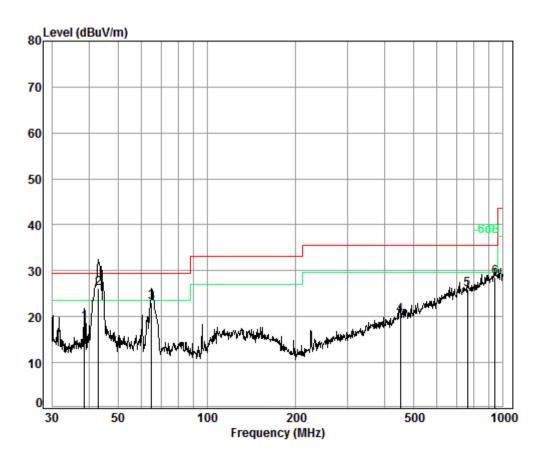
Frequency (MHz)	Level @ 10m (dBuV/m)	Level @ 10m (uV/m)	Level @ 3m (uV/m)	Level @ 3m (dBuV/m)	Limit @ 3m (dBuV/m)	Over Limit (dB)	Ant. Polarization
38.62	18.72	8.63	28.77	29.18	40.00	-10.82	V
43.05	26.21	20.44	68.14	36.67	40.00	-3.33	V
64.89	26.21	20.44	68.14	36.67	40.00	-3.33	V
451.14	20.34	10.40	34.66	30.80	46.00	-15.20	V
760.70	25.90	19.72	65.75	36.36	46.00	-9.64	V
942.13	28.57	26.82	89.41	39.03	46.00	-6.97	V
43.35	18.74	8.65	28.83	29.20	40.00	-10.80	Н
52.76	14.37	5.23	17.43	24.83	40.00	-15.17	Н
167.82	15.54	5.98	19.95	26.00	43.50	-17.50	Н
460.73	20.47	10.56	35.19	30.93	46.00	-15.07	Н
742.26	24.70	17.18	57.26	35.16	46.00	-10.84	Н
979.18	28.35	26.15	87.17	38.81	54.00	-15.19	Н



Report No.: SZEM170500533107

Page: 65 of 80

30MHz~1GHz (QP)		
Test mode:	Charge + Transmitting	Vertical



Condition: 10m VERTICAL

Job No. : 05331RG

Test Mode: b

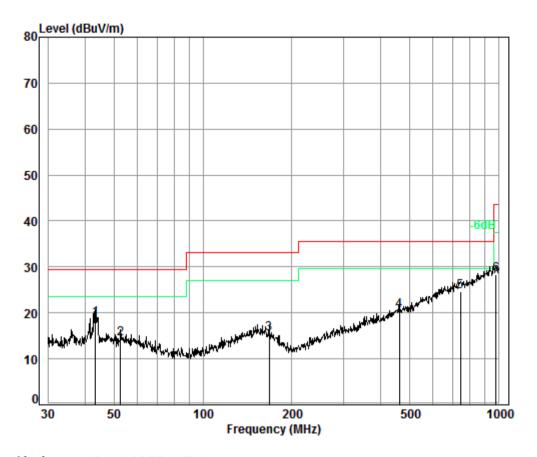
		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	38.62	6.77	13.14	32.47	31.28	18.72	29.50	-10.78
2 pp	43.05	6.80	13.06	32.45	38.80	26.21	29.50	-3.29
3	64.89	7.00	11.02	32.46	37.64	23.20	29.50	-6.30
4	451.14	8.43	16.19	32.31	28.03	20.34	35.60	-15.26
5	760.70	9.20	20.90	32.26	28.06	25.90	35.60	-9.70
6	942.13	9.56	22.68	31.06	27.39	28.57	35.60	-7.03



Report No.: SZEM170500533107

Page: 66 of 80

Test mode: Charge + Transmitting Horizontal



Condition: 10m HORIZONTAL

Job No. : 05331RG

Test Mode: b

		Cable	Ant	Preamp	Read		Limit	0ver
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 pp	43.35	6.80	13.03	32.45	31.36	18.74	29.50	-10.76
2	52.76	6.96	12.55	32.43	27.29	14.37	29.50	-15.13
3	167.82	7.50	12.63	32.44	27.85	15.54	33.10	-17.56
4	460.73	8.45	16.30	32.30	28.02	20.47	35.60	-15.13
5	742.26	9.20	20.68	32.26	27.08	24.70	35.60	-10.90
6	979.18	9.60	22.82	30.77	26.70	28.35	43.50	-15.15

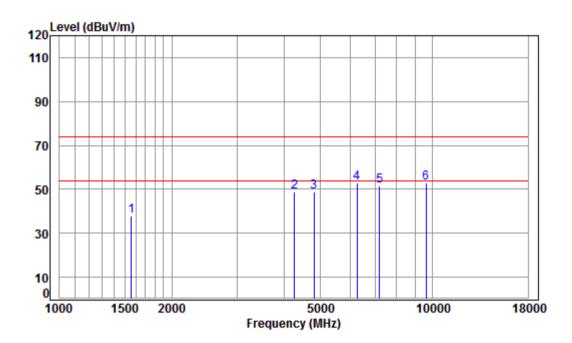


Report No.: SZEM170500533107

Page: 67 of 80

#### 6.10.2 Transmitter Emission above 1GHz

Test mode:	GFSK(DH1)	Test channel:	Lowest	Remark:	Peak	Vertical	
------------	-----------	---------------	--------	---------	------	----------	--



Condition: 3m VERTICAL

Job No : 05331RG

Mode : 2402 TX SE

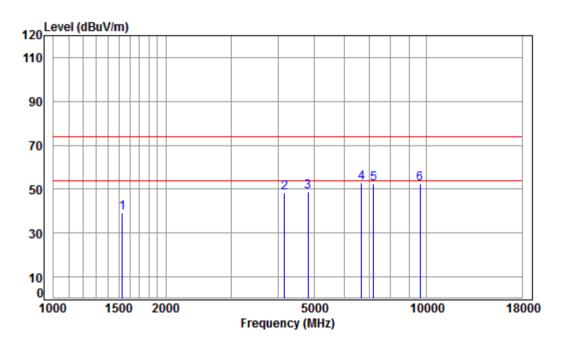
		F			Preamp					Damanla
		Freq	LOSS	Factor	Factor	rever	revei	Line	Limit	Kemark
	-	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1		1556.169	5.41	26.06	37.74	44.24	37.97	74.00	-36.03	peak
2		4267.237	7.30	33.60	37.16	45.26	49.00	74.00	-25.00	peak
3		4804.000	7.89	34.16	37.26	43.85	48.64	74.00	-25.36	peak
4	pp	6267.553	11.10	34.92	37.82	44.90	53.10	74.00	-20.90	peak
5		7206.000	10.08	36.42	37.56	42.73	51.67	74.00	-22.33	peak
6		9608.000	10.75	37.52	35.80	40.24	52.71	74.00	-21.29	peak



Report No.: SZEM170500533107

Page: 68 of 80

Test mode: GFSK(DH1) Test channel: Lowest Remark: Peak Horizontal



Condition: 3m HORIZONTAL

Job No : 05331RG Mode : 2402 TX SE

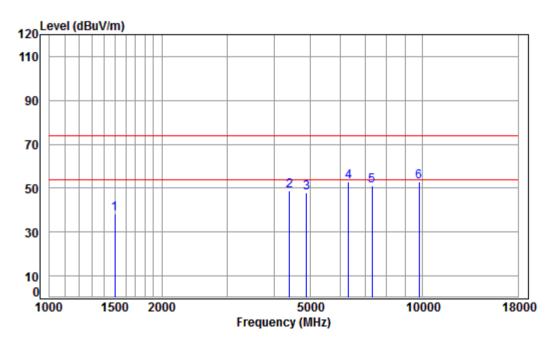
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1529.414	5.44	25.94	37.74	45.50	39.14	74.00	-34.86	peak
2	4157.664	7.17	33.60	37.13	44.74	48.38	74.00	-25.62	peak
3	4804.000	7.89	34.16	37.26	44.21	49.00	74.00	-25.00	peak
4 pp	6679.040	11.02	35.61	37.69	44.09	53.03	74.00	-20.97	peak
5	7206.000	10.08	36.42	37.56	43.35	52.29	74.00	-21.71	peak
6	9608.000	10.75	37.52	35.80	40.18	52.65	74.00	-21.35	peak



Report No.: SZEM170500533107

Page: 69 of 80

Test mode: GFSK(DH1) Test channel: Middle Remark: Peak Vertical



Condition: 3m VERTICAL Job No : 05331RG Mode : 2441 TX SE

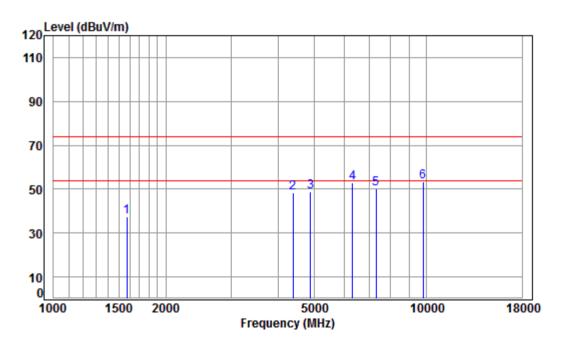
1000	•								
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1498.781	5.48	25.80	37.74	44.89	38.43	74.00	-35.57	peak
2	4392.376	7.44	33.60	37.18	44.81	48.67	74.00	-25.33	peak
3	4882.000	7.97	34.30	37.28	43.12	48.11	74.00	-25.89	peak
4	6322.136	11.20	34.96	37.80	44.59	52.95	74.00	-21.05	peak
5	7323.000	10.05	36.37	37.53	42.07	50.96	74.00	-23.04	peak
6 pp	9764.000	10.82	37.55	35.68	40.36	53.05	74.00	-20.95	peak



Report No.: SZEM170500533107

Page: 70 of 80

Test mode: GFSK(DH1) Test channel: Middle Remark: Peak Horizontal



Condition: 3m HORIZONTAL

Job No : 05331RG Mode : 2441 TX SE

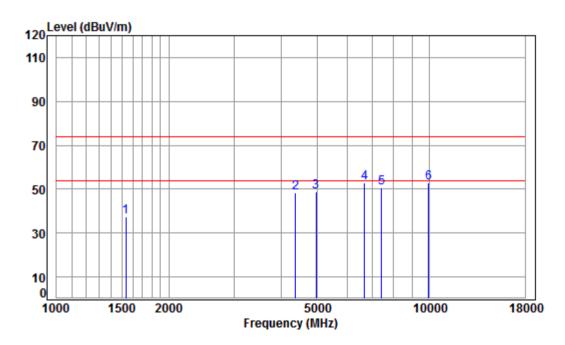
		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1574.265	5.38	26.14	37.73	43.44	37.23	74.00	-36.77	peak
2	4379.699	7.43	33.60	37.18	44.62	48.47	74.00	-25.53	peak
3	4882.000	7.97	34.30	37.28	43.92	48.91	74.00	-25.09	peak
4	6322.136	11.20	34.96	37.80	44.65	53.01	74.00	-20.99	peak
5	7323.000	10.05	36.37	37.53	41.09	49.98	74.00	-24.02	peak
6 pp	9764.000	10.82	37.55	35.68	40.62	53.31	74.00	-20.69	peak



Report No.: SZEM170500533107

Page: 71 of 80

Test mode: GFSK(DH1) Test channel: Highest Remark: Peak Vertical



Condition: 3m VERTICAL Job No : 05331RG Mode : 2480 TX SE

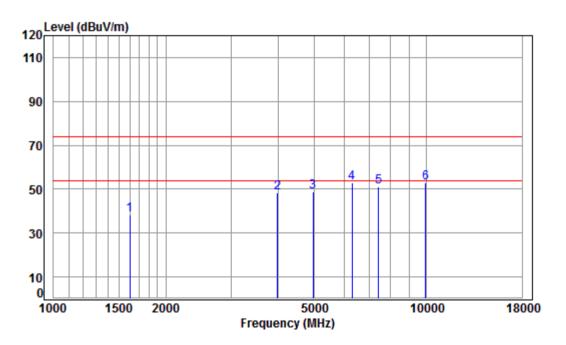
voce										
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	1533.841	5.44	25.96	37.74	43.80	37.46	74.00	-36.54	peak	
2	4367.058	7.41	33.60	37.18	44.55	48.38	74.00	-25.62	peak	
3	4960.000	8.05	34.43	37.29	43.49	48.68	74.00	-25.32	peak	
4 pp	6679.040	11.02	35.61	37.69	44.17	53.11	74.00	-20.89	peak	
5	7440.000	10.02	36.32	37.51	42.04	50.87	74.00	-23.13	peak	
6	9920,000	10.90	37.58	35.56	39.92	52.84	74.00	-21.16	neak	



Report No.: SZEM170500533107

Page: 72 of 80

Test mode: GFSK(DH1) Test channel: Highest Remark: Peak Horizontal



Condition: 3m HORIZONTAL

Job No : 05331RG Mode : 2480 TX SE

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1601.804	5.35	26.26	37.73	44.23	38.11	74.00	-35.89	peak
2	3981.257	6.96	33.55	37.11	45.15	48.55	74.00	-25.45	peak
3	4960.000	8.05	34.43	37.29	43.86	49.05	74.00	-24.95	peak
4	6303.890	11.17	34.95	37.80	44.48	52.80	74.00	-21.20	peak
5	7440.000	10.02	36.32	37.51	42.22	51.05	74.00	-22.95	peak
6 pt	9920.000								•



Report No.: SZEM170500533107

Page: 73 of 80

#### Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

- 2) Scan from 9kHz to 25GHz, the disturbance above 13GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 3) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak measurements were shown in the report.

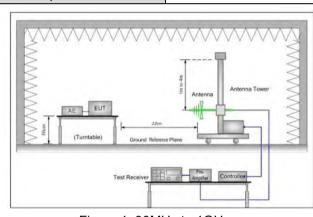


Report No.: SZEM170500533107

Page: 74 of 80

### 6.11 Restricted bands around fundamental frequency

Test Requirement:	47 CFR Part 15C Section 15.209 and 15.205						
Test Method:	ANSI C63.10: 2013						
Test Site:	Measurement Distance: 3m or 10m (Semi-Anechoic Chamber)						
	Frequency	Limit (dBuV/m @3m)	Remark				
	30MHz-88MHz	40.0	Quasi-peak Value				
	88MHz-216MHz	43.5	Quasi-peak Value				
Limit:	216MHz-960MHz	46.0	Quasi-peak Value				
	960MHz-1GHz	54.0	Quasi-peak Value				
	Above 4CH=	54.0	Average Value				
	Above 1GHz	74.0	Peak Value				
Test Setup:							



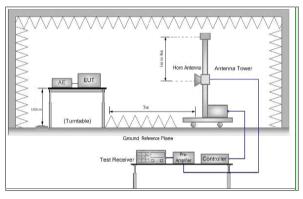


Figure 2. Above 1 GHz



Report No.: SZEM170500533107

Page: 75 of 80

Test Procedure:	<ul> <li>a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 10 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.</li> <li>d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.</li> <li>e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> <li>g. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel</li> <li>h. Test the EUT in the lowest channel, the Highest channel</li> <li>i. The radiation measurements are performed in X, Y, Z axis positioning which it is the worst case.</li> <li>j. Repeat above procedures until all frequencies measured was complete.</li> </ul>				
Exploratory Test Mode:	Non-hopping transmitting mode with all kind of modulation and all kind of data type Charge + Transmitting mode.				
Final Test Mode:	Through Pre-scan, find the DH5 of data type and GFSK modulation is the worst case.  Pretest the EUT at Charge + Transmitting mode, Only the worst case is recorded in the report.				
	Only the worst case is recorded in the report.				
Instruments Used:	Only the worst case is recorded in the report.  Refer to section 5.10 for details				

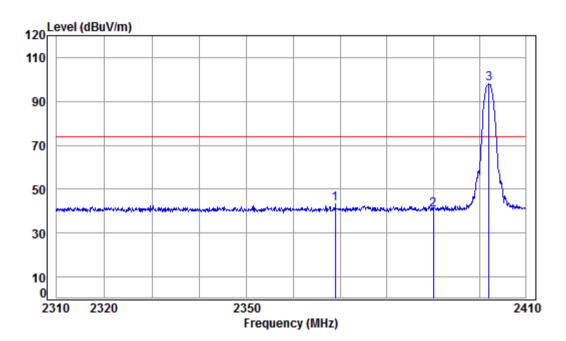


Report No.: SZEM170500533107

Page: 76 of 80

Test plot as follows:

Worse case mode: GFSK (DH5) Test channel: Lowest Remark: Peak Vertical



Condition: 3m VERTICAL

Job No : 05331RG

Mode : 2402 Band edge

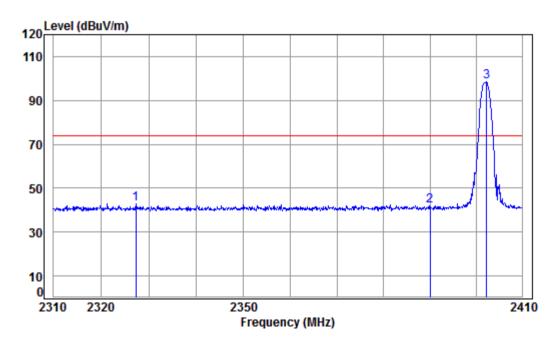
000										
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
										_
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		
1	2368.989	5.45	29.01	38.32	47.00	43.14	74.00	-30.86	peak	
2	2390.000	5.47	29.08	38.30	44.51	40.76	74.00	-33.24	peak	
3	pp 2402.047	5.49	29.11	38.29	101.58	97.89	74.00	23.89	peak	



Report No.: SZEM170500533107

Page: 77 of 80

Worse case mode: GFSK (DH5) Test channel: Lowest Remark: Peak Horizontal



Condition: 3m HORIZONTAL

Job No : 05331RG

Mode : 2402 Band edge

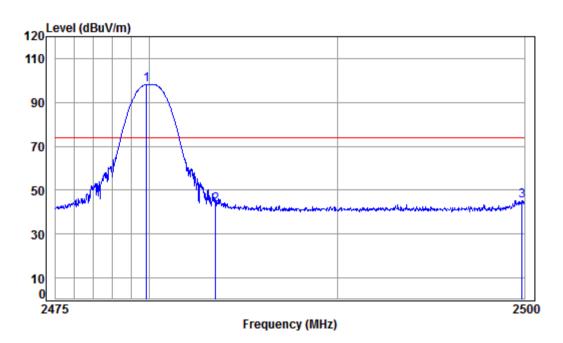
		Cable	Ant	Preamp	Read		Limit	0ver		
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		_
1	2327.294	5.39	28.89	38.36	46.83	42.75	74.00	-31.25	peak	
2	2390.000								•	
3 pp	2402.250								•	



Report No.: SZEM170500533107

Page: 78 of 80

Worse case mode: GFSK (DH5) Test channel: Highest Remark: Peak Vertical



Condition: 3m VERTICAL

Job No : 05331RG

Mode : 2480 Band edge

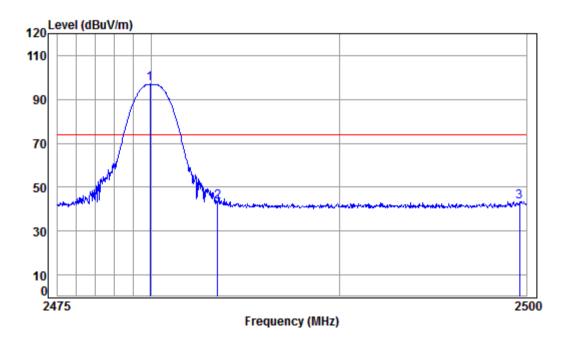
	Enoa						Limit Line		Pomonk	
	rreq	LUSS	ractor	ractor	rever	rever	LINE	LIMIT	Kelliark	
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB		-
1 pp	2479.830	5.59	29.34	38.22	101.59	98.30	74.00	24.30	peak	
2	2483.500	5.60	29.35	38.22	46.69	43.42	74.00	-30.58	peak	
3	2499.874	5.62	29.40	38.20	48.48	45.30	74.00	-28.70	peak	



Report No.: SZEM170500533107

Page: 79 of 80

Worse case mode: GFSK(DH5) Test channel: Highest Remark: Peak Horizontal



Condition: 3m HORIZONTAL

Job No : 05331RG

Mode : 2480 Band edge

		Cable	Ant	Preamp	Read		Limit	0ver	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	-								
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
			,			asar,			
1 2/	170 005	E E0	20.24	20 22	100 26	06 07	74 00	22 07	noole
1 bb 24	179.905	5.59	29.34	30.22	100.20	90.97	74.00	22.9/	peak
2 24	483.500	5.60	29.35	38.22	46.45	43.18	74.00	-30.82	peak
3 24	199.623	5.62	29.40	38.21	46.60	43.41	74.00	-30.59	peak



Report No.: SZEM170500533107

Page: 80 of 80

Note:

The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:

Final Test Level =Receiver Reading + Antenna Factor + Cable Factor - Preamplifier Factor

### 7 Photographs - EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1705005331RG.