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TEST REPORT

Application No.:	SZEM1705004913CR
Applicant:	MODERN ELECTRONICS FACTORY LTD
Address of Applicant:	FLAT C, 10/F, PHASE 4, KWUN TONG INDUSTRIAL CENTRE, 472-478 KWUN TONG ROAD, HONG KONG
Manufacturer:	MODERN ELECTRONICS FACTORY LTD
Address of Manufacturer:	FLAT C, 10/F, PHASE 4, KWUN TONG INDUSTRIAL CENTRE, 472-478 KWUN TONG ROAD, HONG KONG
Factory:	Keng Fu Jia Electronics (Shenzhen) Co., Ltd.
Address of Factory:	Sui Wai Sun Chuen, Tai Long, Lung Wah, Shenzhen, GDGZ
Equipment Under Test (EUT	-):
EUT Name:	BLUETOOTH BLASTER WITH FM RADIO AND AC/DC ADAPTOR
Model No.:	MET1389, IJDJ787B, IJDJ787XX, MD1389 🌲
*	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Trade mark:	MET, iLive, DPI, GPX, MODERN
FCC ID:	SSM6961389
Standards:	47 CFR Part 15, Subpart C 15.247
Date of Receipt:	2017-06-06
Date of Test:	2017-06-08 to 2017-07-05
Date of Issue:	2017-07-07
Test Result :	Pass*

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



Jack Zhang EMC 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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Revision Record						
Version	Chapter	Date	Modifier	Remark		
01		2017-07-07		Original		

Authorized for issue by:		
	Peter Grene	
	Peter Geng /Project Engineer	
	Eric Fu	
	Eric Fu /Reviewer	



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2 Test Summary

Radio Spectrum Technical Requirement					
Item	Standard	Method	Requirement	Result	
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(c)	Pass	
Other requirements Frequency Hopping Spread Spectrum System Hopping Sequence	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.247(a)(1),(g),(h)	Pass	

Radio Spectrum Matt								
Item	Standard	Method	Requirement	Result				
Conducted Emissions at AC Power Line (150kHz- 30MHz)	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.2	47 CFR Part 15, Subpart C 15.207	Pass				
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.5	47 CFR Part 15, Subpart C 15.247(b)(1)	Pass				
20dB Bandwidth	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.7	47 CFR Part 15, Subpart C 15.247(a)(1)	Pass				
Carrier Frequencies Separation	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.2	47 CFR Part 15, Subpart C 15.247a(1)	Pass				
Hopping Channel Number	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.3	47 CFR Part 15, Subpart C 15.247a(1)(iii)	Pass				
Dwell Time	ne 47 CFR Part 15, Subpart C 15.247 Section 7.8.4		47 CFR Part 15, Subpart C 15.247a(1)(iii)	Pass				
Conducted Band Edges Measurement	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.6	47 CFR Part 15, Subpart C 15.247(d)	Pass				
Conducted Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 7.8.8	47 CFR Part 15, Subpart C 15.247(d)	Pass				
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.10.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass				
Radiated Spurious Emissions	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 6.4,6.5,6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Fail				



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Declaration of EUT Family Grouping:

Model No.: MET1389, IJDJ787B, IJDJ787XX, MD1389

Only the model MET1389 was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, with only difference on model No., trade mark and cosmetic.



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4 General Information

4.1 Details of E.U.T.

Power supply:	adapter information:
	MODEL: JDA2400250
	INPUT: AC 100-240V, 50-60Hz
	OUTPUT: DC 24V, 2.5A
Cable:	AC LINE: 100cm, unshielded
	DC LINE: 80cm, unshielded
Bluetooth version:	V4.2+EDR
Operation frequency:	2402-2480MHz
Modulation type:	GFSK, π/4DQPSK
Channel number:	79
Channel separation:	1MHz
Antenna type:	Meander Line Antenna
Antenna gain:	2dBi

4.2 Description of Support Units

The EUT was tested as an independently unit



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4.3 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	7.25 x 10-8
2	Duty cycle	0.37%
3	Occupied Bandwidth	3%
4	RF conducted power	0.75dB
5	RF power density	2.84dB
6	Conducted Spurious emissions	0.75dB
7	RF Radiated power	4.5dB (below 1GHz)
1		4.8dB (above 1GHz)
8	Dedicted Spurious emission test	4.5dB (30MHz-1GHz)
0	Radiated Spurious emission test	4.8dB (1GHz-18GHz)
9	Temperature test	1℃
10	Humidity test	3%
11	Supply voltages	1.5%
12	Time	3%



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4.4 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.

4.5 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 – Registration No.: 556682

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 556682.

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.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Emissions at AC Power Line (150kHz-30MHz)					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Shielding Room	ZhongYu Electron	GB-88	SEM001-06	2017-05-10	2018-05-10
Measurement Software	AUDIX	e3 V5.4.1221d	N/A	N/A	N/A
LISN	Rohde & Schwarz	ENV216	SEM007-01	2016-10-09	2017-10-09
LISN	ETS-LINDGREN	3816/2	SEM007-02	2017-04-14	2018-04-13
8 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN- T8-02	EMC0120	2016-09-28	2017-09-28
4 Line ISN	Fischer Custom Communications Inc.	FCC-TLISN- T4-02	EMC0121	2016-09-28	2017-09-28
2 Line ISN	Fischer Custom	FCC-TLISN- T2-02	EMC0122	2016-09-28	2017-09-28

Conducted Peak Output Power						
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date	
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09	
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09	
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A	
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13	
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09	

20dB Bandwidth					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09



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Carrier Frequencies Separation					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

Hopping Channel Number					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

Dwell Time					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

Conducted Band Edges Measurement					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09



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Conducted Spurious Emissions					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
Measurement Software	JS Tonscend	JS1120-2 BT/WIFI V2.	N/A	N/A	N/A
Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-13
Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-03	2016-10-12	2017-10-12
Humidity/ Temperature Indicator	Shanghai Meteorological Industry Factory	ZJ1-2B	SEM002-04	2016-10-12	2017-10-12
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2016-10-12	2017-10-12
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2017-04-18	2018-04-18

RE in Chamber

Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2017-05-10	2018-05-10
MXE EMI Receiver (20Hz-8.4GHz)	Agilent Technologies	N9038A	SEM004-05	2016-10-09	2017-10-09
BiConiLog Antenna (26-3000MHz)	ETS-LINDGREN	3142C	SEM003-02	2017-03-05	2020-03-05
Pre-amplifier (0.1-1300MHz)	Agilent Technologies	8447D	SEM005-01	2017-04-14	2018-04-13
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A



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RE in Chamber					
Test Equipment	Manufacturer	Model No.	Inventory No.	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
3m Semi-Anechoic Chamber	AUDIX	N/A	SEM001-02	2017-05-10	2018-05-10
EXA Signal Analyzer (10Hz-26.5GHz)	Agilent Technologies Inc	N9010A	SEM004-09	2017-06-05	2018-06-04
BiConiLog Antenna (26-3000MHz)	ETS-Lindgren	3142C	SEM003-01	2014-11-01	2017-11-01
Horn Antenna (1-18GHz)	Rohde & Schwarz	HF907	SEM003-07	2015-06-14	2018-06-13
Amplifier (0.1-1300MHz)	HP	8447D	SEM005-02	2016-10-09	2017-10-09
Low Noise Amplifier (100MHz-18GHz)	Black Diamond Series	BDLNA-0118- 352810	SEM005-05	2016-10-09	2017-10-09
Band filter	N/A	N/A	N/A	N/A	N/A
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A



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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203 & 15.247(c)

6.1.2 Conclusion

Standard Requirment:

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.

EUT Antenna:

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The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2dBi.



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6.2 Other requirements Frequency Hopping Spread Spectrum System Hopping Sequence

6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 15.247(a)(1),(g),(h)

6.2.2 Conclusion

Standard Requirment:

The system shall hop to channel frequencies that are selected at the system hopping rate from a Pseudorandom ordered list of hopping frequencies. Each frequency must be used equally on the average by each transmitter. The system receivers shall have input bandwidths that match the hopping channel bandwidths of their corresponding transmitters and shall shift frequencies in synchronization with the transmitted signals.

Frequency hopping spread spectrum systems are not required to employ all available hopping channels during each transmission. However, the system, consisting of both the transmitter and the receiver, must be designed to comply with all of the regulations in this section should the transmitter be presented with a continuous data (or information) stream. In addition, a system employing short transmission bursts must comply with the definition of a frequency hopping system and must distribute its transmissions over the minimum number of hopping channels specified in this section.

The incorporation of intelligence within a frequency hopping spread spectrum system that permits the system to recognize other users within the spectrum band so that it individually and independently chooses and adapts its hopsets to avoid hopping on occupied channels is permitted. The coordination of frequency hopping systems in any other manner for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters is not permitted.

Compliance for section 15.247(a)(1):

According to Technical Specification, the pseudorandom sequence may be generated in a nine-stage shift register whose 5th and 9th stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the first stage. The sequence begins with the first ONE of 9 consecutive ONEs; i.e. the shift register is initialized with nine ones.

- > Number of shift register stages: 9
- > Length of pseudo-random sequence: 29 -1 = 511 bits
- > Longest sequence of zeros: 8 (non-inverted signal)

Linear Feedback Shift Register for Generation of the PRBS sequence

An example of Pseudorandom Frequency Hopping Sequence as follow:

Each frequency used equally on the average by each transmitter.

According to Technical Specification, the receivers are designed to have input and IF bandwidths that match the hopping channel bandwidths of any transmitters and shift frequencies in synchronization with the transmitted signals.

Compliance for section 15.247(g):

According to Technical Specification, the system transmits the packet with the pseudorandom hopping frequency with a continuous data and the short burst transmission from the Bluetooth system is also transmitted under the frequency hopping system with the pseudorandom hopping frequency system.

Compliance for section 15.247(h):

According to Technical specification, the system incorporates with an adaptive system to detect other user within the spectrum band so that it individ



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7 Radio Spectrum Matter Test Results

7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement	47 CFR Part 15, Subpart C 15.207
Test Method:	ANSI C63.10 (2013) Section 6.2
Limit:	

	Conducted limit(dBµV)		
Frequency of emission(MHz)	Quasi-peak	Average	
0.15-0.5	66 to 56*	56 to 46*	
0.5-5	56	46	
5-30	60	50	
*Decreases with the logarithm of the frequency.			



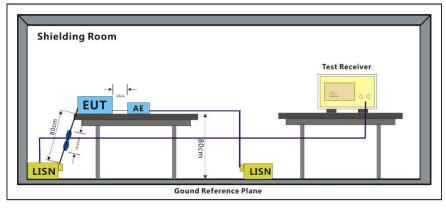
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7.1.1 E.U.T. Operation

Operating Environment:

Temperature:25 °CHumidity:55 % RHAtmospheric Pressure:1010 mbarTest modeb:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK
modulation, $\pi/4DQPSK$ modulation . All modes have been tested and only the data
of worst case is recorded in the report.

7.1.2 Test Setup Diagram



7.1.3 Measurement Procedure and Data

1) The mains terminal disturbance voltage test was conducted in a shielded room.

2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a $500hm/50\mu$ H + 50hm 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.

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,

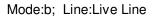
4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test 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.

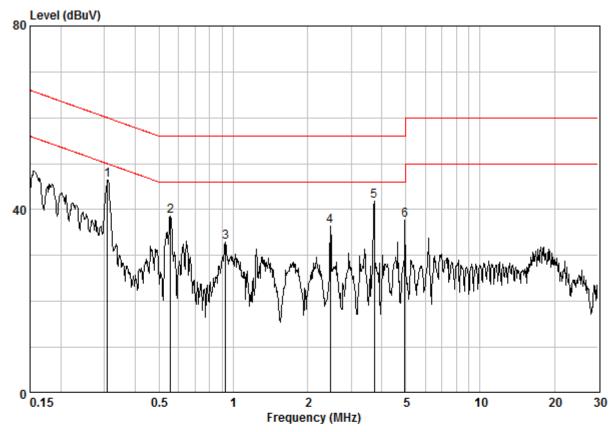
5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

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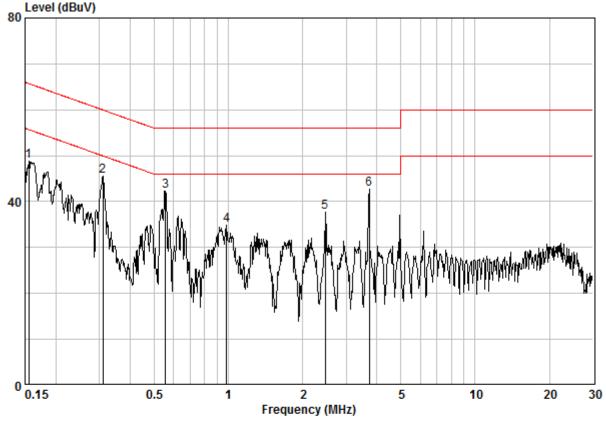
Site	: Shielding Room
Condition	: CE LINE
Job No.	: 04913CR
Test Mode	:b

	Freq	Cable Loss	LISN Factor	Read Level		Limit Line		Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1 @ 2 3 4 5	0.30834 0.55520 0.92821 2.474 3.720	0.02 0.02 0.03 0.03 0.02	9.65 9.65 9.68	36.85 28.94 23.14 26.74 32.18	38.61 32.82 36.45	46.00 46.00 46.00	-7.39 -13.18 -9.55	Peak Peak Peak
6	4.952	0.02	9.74	28.04	37.80	46.00	-8.20	Peak



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Mode:b; Line:Neutral Line



Site	: Shielding Room
Condition	: CE NEUTRAL
Job No.	: 04913CR
Test Mode	:b

	Freq		LISN Factor			Limit Line		Remark
	MHz	dB	dB	dBuV	dBuV	dBuV	dB	
1	0.15567	0.02	9.64	39.16	48.82	55.69	-6.87	Peak
2	0.30998	0.02	9.63	35.88	45.53	49.97	-4.44	Peak
3	0.55520	0.02	9.63	32.71	42.36	46.00	-3.64	Peak
4	0.98391	0.03	9.64	25.21	34.88	46.00	-11.12	Peak
5	2.474	0.03	9.66	28.06	37.75	46.00	-8.25	Peak
60	3.720	0.02	9.68	33.03	42.74	46.00	-3.26	Peak



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7.2 Conducted Peak Output Power

Test Requirement	47 CFR Part 15, Subpart C 15.247(b)(1)
Test Method:	ANSI C63.10 (2013) Section 7.8.5
Limit:	

Frequency range(MHz)	Output power of the intentional radiator(watt)
	1 for ≥50 hopping channels
902-928	0.25 for 25≤ hopping channels <50
	1 for digital modulation
2400-2483.5	1 for ≥75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation



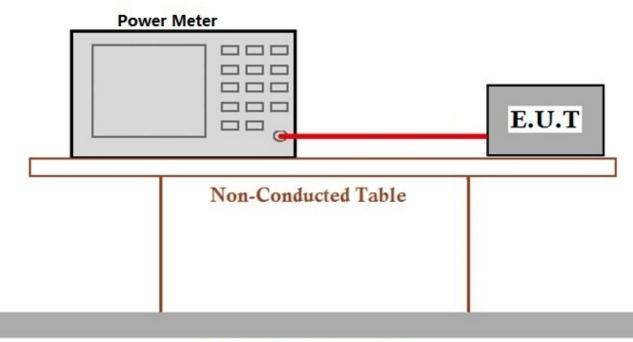
Report No.: SZEM170500491302 Page: 21 of 86

7.2.1 E.U.T. Operation

Operating	Environment:
-----------	--------------

Temperature:25 °CHumidity:55 % RHAtmospheric Pressure:1010 mbarTest modeb:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK
modulation, $\pi/4DQPSK$ modulation. All modes have been tested and only the data
of worst case is recorded in the report.

7.2.2 Test Setup Diagram



Ground Reference Plane

7.2.3 Measurement Procedure and Data



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7.3 20dB Bandwidth

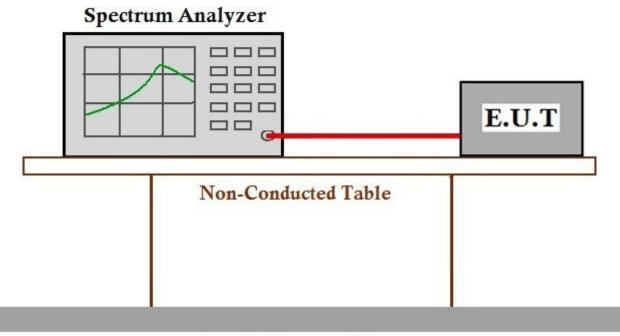
Test Requirement	47 CFR Part 15, Subpart C 15.247(a)(1)
Test Method:	ANSI C63.10 (2013) Section 7.8.7

7.3.1 E.U.T. Operation

Operating Environment:

Temperature:25 °CHumidity:55 % RHAtmospheric Pressure:1010 mbarTest modeb:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK
modulation, $\pi/4DQPSK$ modulation. All modes have been tested and only the data
of worst case is recorded in the report.

7.3.2 Test Setup Diagram



Ground Reference Plane

7.3.3 Measurement Procedure and Data



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7.4 Carrier Frequencies Separation

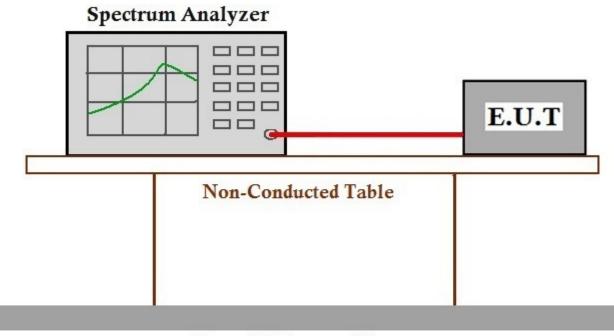
Test Requirement	47 CFR Part 15, Subpart C 15.247a(1)
Test Method:	ANSI C63.10 (2013) Section 7.8.2
Limit:	2/3 of the 20dB bandwidth base on the transmission power is less than $0.125W$

7.4.1 E.U.T. Operation

Operating Environment:

Temperature:25 °CHumidity:55 % RHAtmospheric Pressure:1010 mbarTest modea:TX_Hop mode_Keep the EUT in frequency hopping mode with GFSK modulation,
 $\pi/4DQPSK$ modulation. All modes have been tested and only the data of worst
case is recorded in the report.

7.4.2 Test Setup Diagram



Ground Reference Plane

7.4.3 Measurement Procedure and Data



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7.5 Hopping Channel Number

Test Requirement	47 CFR Part 15, Subpart C 15.247a(1)(iii)
Test Method:	ANSI C63.10 (2013) Section 7.8.3
Limit:	

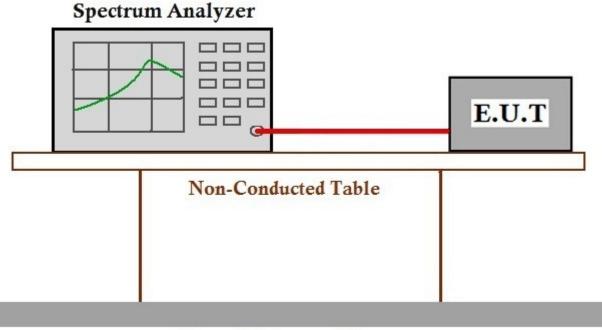
Frequency range(MHz)	Number of hopping channels (minimum)		
902-928	50 for 20dB bandwidth <250kHz		
902-928	25 for 20dB bandwidth ≥250kHz		
2400-2483.5	15		
5725-5850	75		

7.5.1 E.U.T. Operation

Operating Environment:

Temperature:25 °CHumidity:55 % RHAtmospheric Pressure:1010 mbarTest modea:TX_Hop mode_Keep the EUT in frequency hopping mode with GFSK modulation,
 $\pi/4DQPSK$ modulation. All modes have been tested and only the data of worst
case is recorded in the report.

7.5.2 Test Setup Diagram



Ground Reference Plane

7.5.3 Measurement Procedure and Data

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7.6 Dwell Time

Limit:

Test Requirement47 CFR Part 15, Subpart C 15.247a(1)(iii)Test Method:ANSI C63.10 (2013) Section 7.8.4

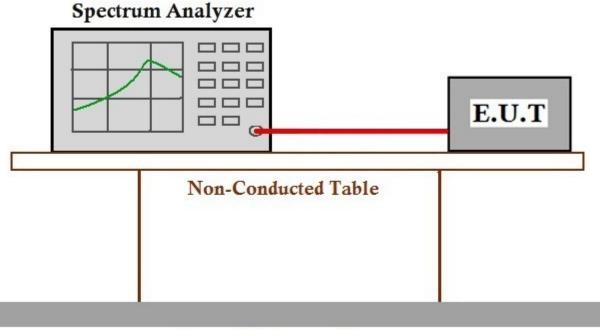
Frequency(MHz)	Limit
902-928	0.4S within a 20S period(20dB bandwidth<250kHz)
902-928	0.4S within a 10S period(20dB bandwidth≥250kHz)
0400 0400 5	0.4S within a period of 0.4S multiplied by the number
2400-2483.5	of hopping channels
5725-5850	0.4S within a 30S period

7.6.1 E.U.T. Operation

Operating Environment:

Temperature:25 °CHumidity:55 % RHAtmospheric Pressure:1010 mbarTest modea:TX_Hop mode_Keep the EUT in frequency hopping mode with GFSK modulation,
 $\pi/4DQPSK$ modulation. All modes have been tested and only the data of worst
case is recorded in the report.

7.6.2 Test Setup Diagram



Ground Reference Plane

7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



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7.7 Conducted Band Edges Measurement

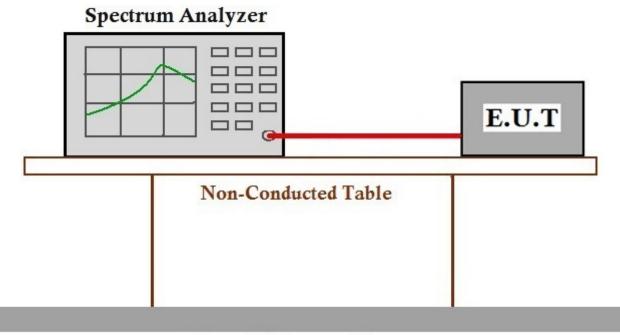
Test Requirement	47 CFR Part 15, Subpart C 15.247(d)
Test Method:	ANSI C63.10 (2013) Section 7.8.6

7.7.1 E.U.T. Operation

Operating Environment:

Temperature:25 °CHumidity:55 % RHAtmospheric Pressure:1010 mbarTest modeb:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK
modulation, $\pi/4DQPSK$ modulation. All modes have been tested and only the data
of worst case is recorded in the report.

7.7.2 Test Setup Diagram



Ground Reference Plane

7.7.3 Measurement Procedure and Data



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7.8 Conducted Spurious Emissions

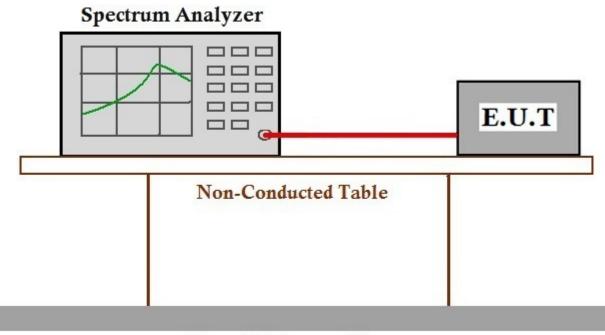
Test Requirement	47 CFR Part 15, Subpart C 15.247(d)
Test Method:	ANSI C63.10 (2013) Section 7.8.8
Limit:	In any 100 kHz bandwidth outside the frequency band in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be 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.

7.8.1 E.U.T. Operation

Operating Environment:

Temperature:25 °CHumidity:55 % RHAtmospheric Pressure:1010 mbarTest modeb:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK
modulation, $\pi/4DQPSK$ modulation. All modes have been tested and only the data
of worst case is recorded in the report.

7.8.2 Test Setup Diagram



Ground Reference Plane

7.8.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.247



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7.9 Radiated Emissions which fall in the restricted bands

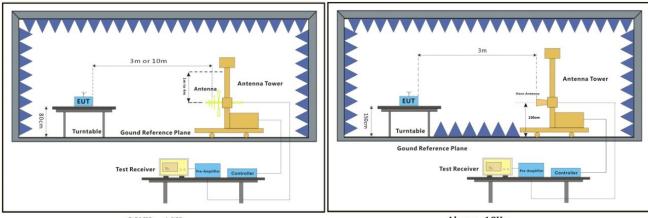
Test Requirement	47 CFR Part 15, Subpart C 15.205 & 15.209
Test Method:	ANSI C63.10 (2013) Section 6.10.5
Measurement Distance:	3m

7.9.1 E.U.T. Operation

Operating Environment:

Temperature:23 °CHumidity:54 % RHAtmospheric Pressure:1010 mbarTest modeb:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK
modulation, $\pi/4DQPSK$ modulation. All modes have been tested and only the data
of worst case is recorded in the report.





30MHz-1GHz

Above 1GHz

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7.9.3 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

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 fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

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.

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.

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.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

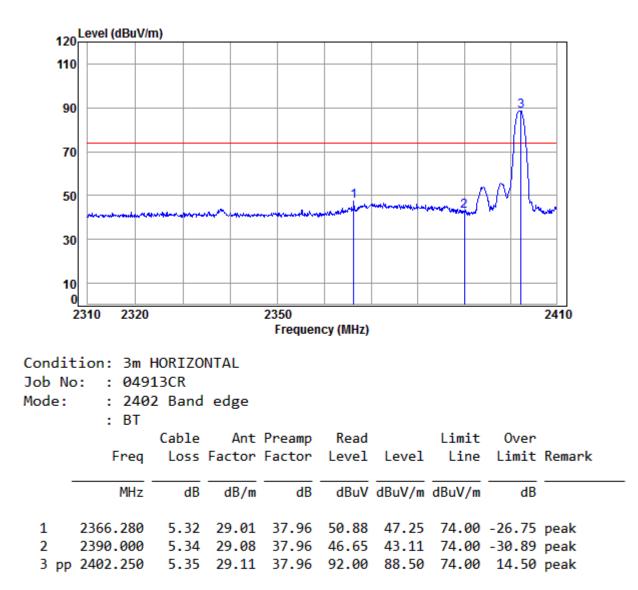
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.



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Mode:b; Polarization:Horizontal; Modulation Type:GFSK; Channel:Low

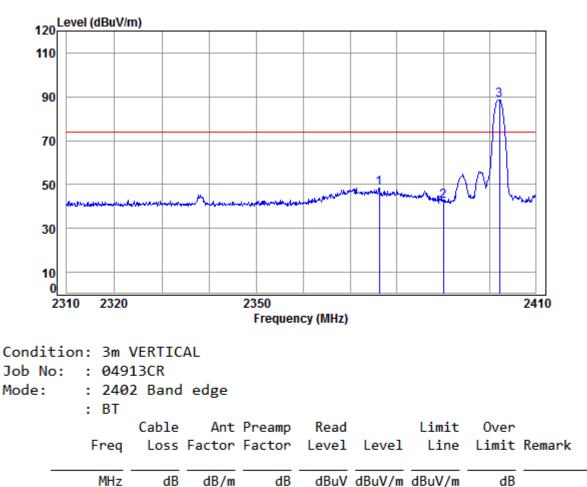


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Mode:b; Polarization:Vertical; Modulation Type:GFSK; Channel:Low

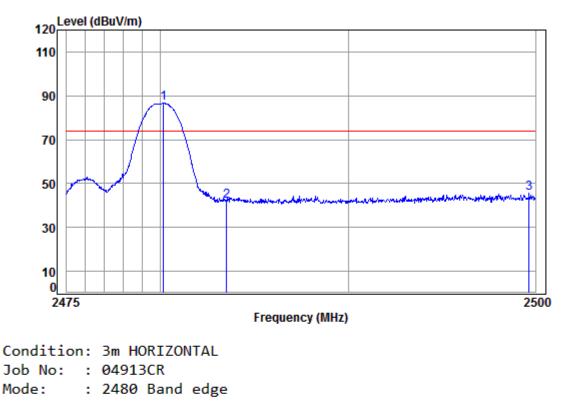


1	2376.228	5.33	29.04	37.96	52.04	48.45	74.00 -25.9	55 peak
2	2390.000	5.34	29.08	37.96	46.17	42.63	74.00 -31.3	37 peak
3 pp	2402.148	5.35	29.11	37.96	92.11	88.61	74.00 14.0	51 peak



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Mode:b; Polarization:Horizontal; Modulation Type:GFSK; Channel:High



	: BT Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
2	2480.154 2483.500 2499.648	5.41	29.35	37.95	45.27	42.08	74.00	-31.92	peak



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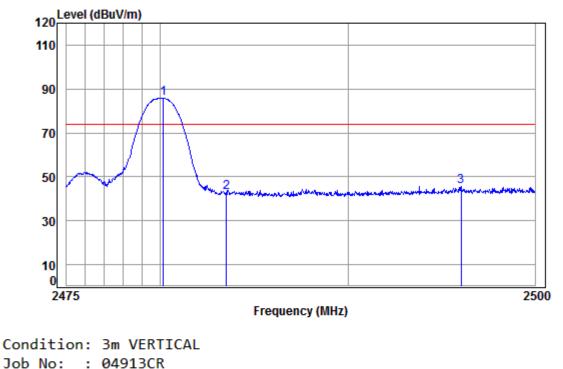
Limit Romank

Limit

Line

01/01

Mode:b; Polarization:Vertical; Modulation Type:GFSK; Channel:High



Job No:	: 049	13CR				
Mode:	: 248	0 Band	edge			
	: BT					
		Cable	Ant	Preamp	Read	
	Freq	Loss	Factor	Factor	Level	1

	Freq	LOSS	Factor	Factor	rever	rever	LTUE	LIWIC	кепанк
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 pp	2480.154	5.41	29.34	37.95	88.85	85.65	74.00	11.65	peak
2	2483.500	5.41	29.35	37.95	46.06	42.87	74.00	-31.13	peak
3	2496.033	5.42	29.39	37.95	48.90	45.76	74.00	-28.24	peak



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7.10 Radiated Spurious Emissions

Test Requirement	47 CFR Part 15, Subpart C 15.205 & 15.209
Test Method:	ANSI C63.10 (2013) Section 6.4,6.5,6.6
Measurement Distance:	3m
Limit:	

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, 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.

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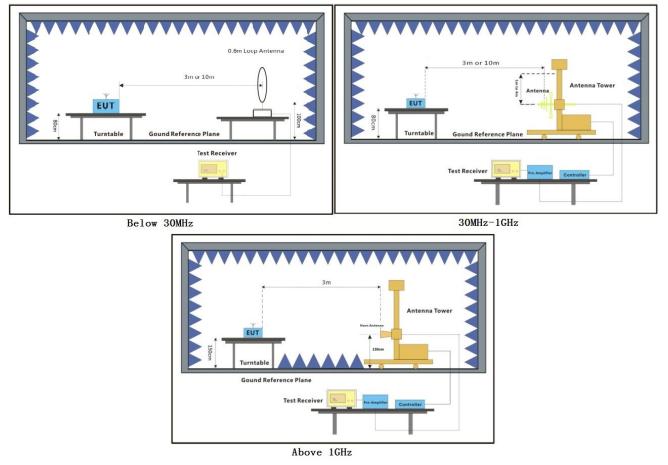
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7.10.1 E.U.T. Operation

Operating Environment:

Temperature:23 °CHumidity:54 % RHAtmospheric Pressure:1010 mbarTest modeb:TX_non-Hop mode_Keep the EUT in continuously transmitting mode with GFSK
modulation, $\pi/4DQPSK$ modulation. All modes have been tested and only the data
of worst case is recorded in the report.

7.10.2Test Setup Diagram





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7.10.3 Measurement Procedure and Data

a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

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 fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.

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.

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.

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.

f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.

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.

h. Test the EUT in the lowest channel, the middle channel, the Highest channel.

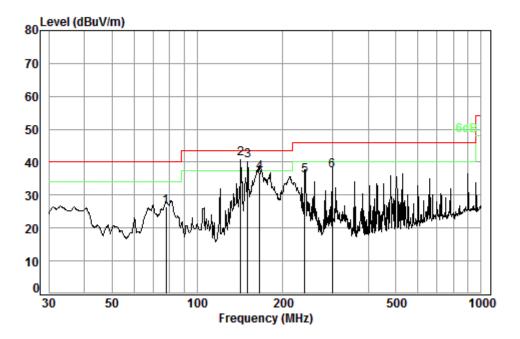
i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.

j. Repeat above procedures until all frequencies measured was complete.



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Below 1GHz



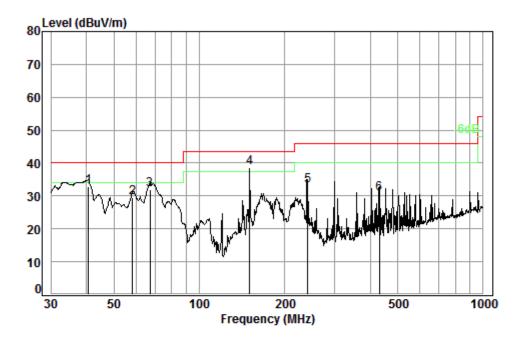
Condition:	3m HORIZONTAL
Job No. :	04913CR
	-

Test mode: b

	Freq			Preamp Factor				Over Limit
_	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1 2 pp 3 4 5 6	77.59 142.32 150.54 166.07 239.15 299.32	1.32 1.35	8.31 9.03 9.54 11.95	27.23 26.94 26.90 26.83 26.57 26.41	58.37 56.97 52.76 48.75	41.04 40.42 36.82 35.75	43.50 43.50 43.50 46.00	-2.46 -3.08 -6.68 -10.25



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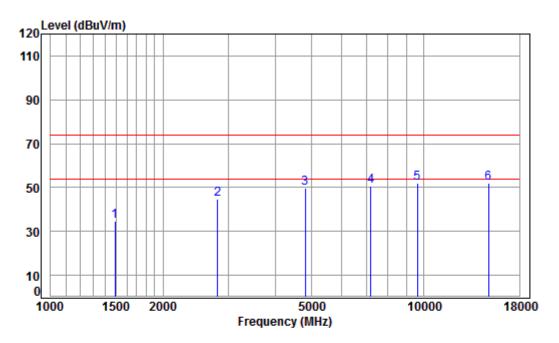
Condition: 3m VERTICAL Job No. : 04913CR Test mode: b

	Freq			Preamp Factor				Over Limit
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	40.70	0.62	12.79	27.32	46.84	32.93	40.00	-7.07
2	58.20	0.80	7.47	27.27	48.44	29.44	40.00	-10.56
3	66.97	0.80	6.99	27.25	51.44	31.98	40.00	-8.02
4 pp	150.54	1.32	9.03	26.90	55.25	38.70	43.50	-4.80
5	240.83	1.63	12.01	26.56	46.03	33.11	46.00	-12.89
6	431.03	2.33	16.52	27.33	39.29	30.81	46.00	-15.19



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Above 1GHz Mode:b; Polarization:Horizontal; Modulation Type:GFSK; Channel:Low



Condition:	3m HORIZONTAL
Job No: :	04913CR

Mode:	:	2402	ТΧ	SE	
	:	BT			

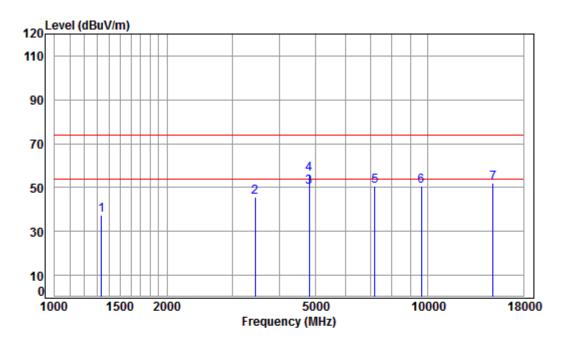
N

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1485.841	4.45	25.74	38.05	42.45	34.59	74.00	-39.41	peak
2	2798.189	5.74	30.57	37.92	46.40	44.79	74.00	-29.21	peak
3	4804.000	7.73	34.16	38.40	46.46	49.95	74.00	-24.05	peak
4	7206.000	9.65	36.42	37.11	41.49	50.45	74.00	-23.55	peak
5 pp	9608.000	11.06	37.52	35.10	38.48	51.96	74.00	-22.04	peak
6	14873.890	14.82	41.08	38.91	34.94	51.93	74.00	-22.07	peak



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Mode:b; Polarization:Vertical; Modulation Type:GFSK; Channel:Low



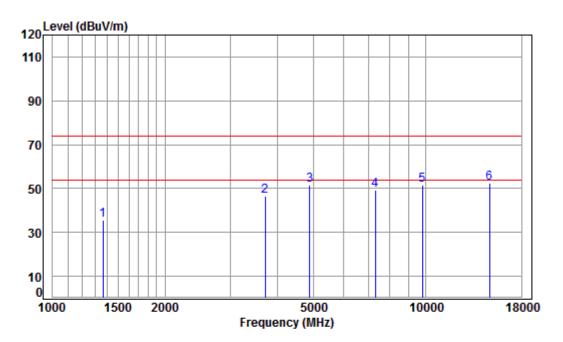
Condition:	3m Vertical
Job No: :	04913CR
Mode: :	2402 TX SE

	: BT Freq	Cable Loss		Preamp Factor		Level		Over Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1 2 3 pp	1335.141 3445.535 4804.000	6.26	32.11		44.98	45.41	74.00	-28.59	Peak
5 6	<pre>< 4804.000 7206.000 9608.000 14916.940</pre>	9.65 11.06	36.42 37.52	37.11 35.10	41.56 37.08	50.52 50.56	74.00 74.00	-23.48 -23.44	peak peak



Report No.: SZEM170500491302 Page: 41 of 86

Mode:b; Polarization:Horizontal; Modulation Type:GFSK; Channel:middle



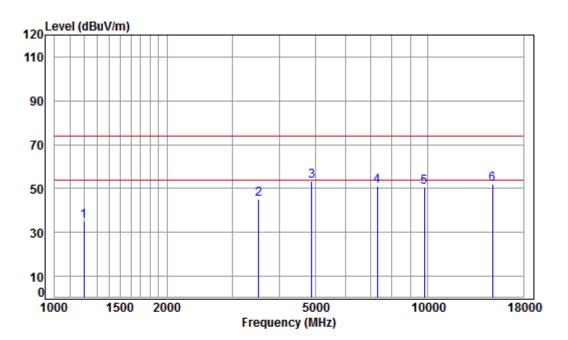
Condition:	3m HORIZONTAL
Job No: :	04913CR

Mode	: : 244	1 TX S	E						
	: BT								
		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	1366.374	4.31	25.25	38.06	43.92	35.42	74.00	-38.58	peak
2	3714.443	6.48	32.82	37.97	45.16	46.49	74.00	-27.51	Peak
3	4882.000	7.84	34.30	38.44	47.85	51.55	74.00	-22.45	peak
4	7323.000	9.73	36.37	37.01	40.30	49.39	74.00	-24.61	peak
5	9764.000	11.21	37.55	35.02	37.91	51.65	74.00	-22.35	peak
6 p	op14788.150	14.80	40.92	38.92	35.74	52.54	74.00	-21.46	peak



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Mode:b; Polarization:Vertical; Modulation Type:GFSK; Channel:middle



Condition:	3m VERTICAL
Job No: :	04913CR
Mode: :	2441 TX SE

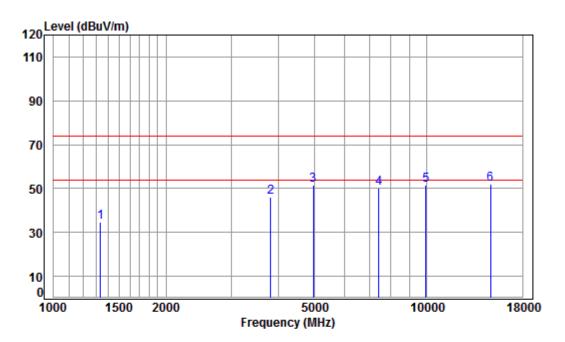
Jue 2441 1/	
: BT	

		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	1199.726	4.08	24.48	38.08	44.76	35.24	74.00	-38.76	Peak
2	3515.957	6.31	32.25	37.95	44.64	45.25	74.00	-28.75	Peak
3	pp 4882.000	7.84	34.30	38.44	49.91	53.61	74.00	-20.39	peak
4	7323.000	9.73	36.37	37.01	41.79	50.88	74.00	-23.12	peak
5	9764.000	11.21	37.55	35.02	36.74	50.48	74.00	-23.52	peak
6	14873.890	14.82	41.08	38.91	35.07	52.06	74.00	-21.94	peak



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Mode:b; Polarization:Horizontal; Modulation Type:GFSK; Channel:High



Condition:	3m HORIZONTAL
Job No: :	04913CR

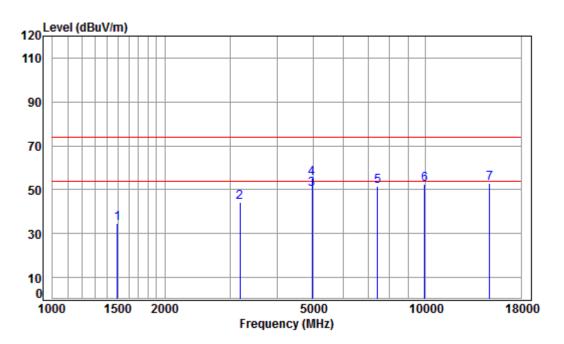
Mode:	:	2480	ТΧ	SE
	:	BT		

	Freq			Preamp Factor					Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1335.141	4.27	25.11	38.07	43.52	34.83	74.00	-39.17	peak
2	3812.336	6.56	33.10	37.98	44.35	46.03	74.00	-27.97	Peak
3	4960.000	7.95	34.43	38.48	47.63	51.53	74.00	-22.47	peak
4	7440.000	9.81	36.32	36.90	40.81	50.04	74.00	-23.96	peak
5	9920.000	11.36	37.58	34.94	37.58	51.58	74.00	-22.42	peak
6	pp14788.150	14.80	40.92	38.92	35.36	52.16	74.00	-21.84	peak



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Mode:b; Polarization:Vertical; Modulation Type:GFSK; Channel:High



Condition:	3m VERTICAL
Job No: :	04913CR
	0.400 TV CT

Mode:	:	248	0 TX	SE		
	:	BT				
			Cab	le	Ant	Prea

		Capie	Ant	Preamp	reau		LTWTC	over	
	Freq	Loss	Factor	Factor	Level	Level	Line	Limit	Remark
	MHz	dB	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	1494.455	4.46	25.78	38.05	42.66	34.85	74.00	-39.15	peak
2	3177.672	6.07	31.64	37.92	44.47	44.26	74.00	-29.74	Peak
3	pp 4960.000	7.95	34.43	38.48	46.38	50.28	54.00	-3.72	Average
4	pk 4960.000	7.95	34.43	38.48	51.45	55.35	74.00	-18.65	peak
5	7440.000	9.81	36.32	36.90	42.38	51.61	74.00	-22.39	peak
6	9920.000	11.36	37.58	34.94	38.62	52.62	74.00	-21.38	peak
7	14830.960	14.81	41.00	38.92	35.87	52.76	74.00	-21.24	peak

Road

limi+

Oven



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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.

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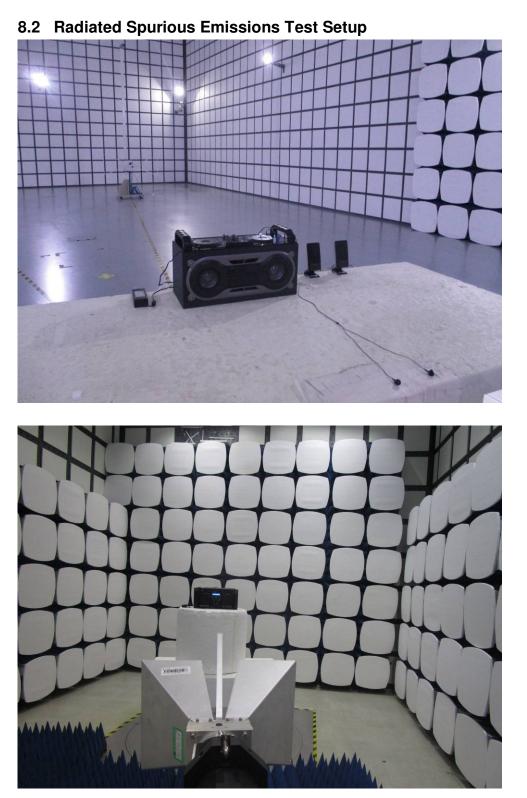
8 Photographs

8.1 Conducted Emissions at AC Power Line (150kHz-30MHz) Test Setup





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8.3 EUT Constructional Details

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1705004913CR



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9 Appendix

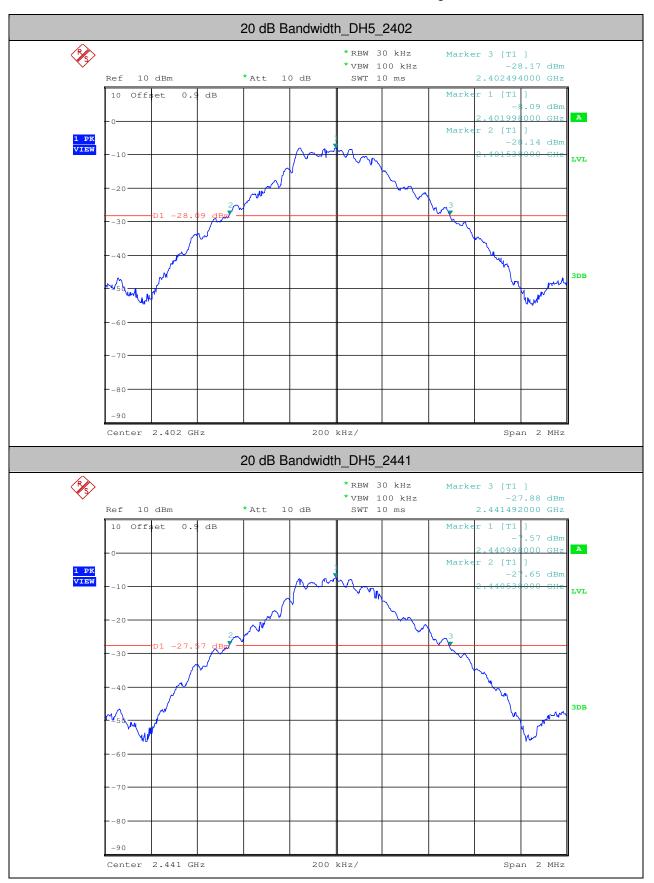
9.1 Appendix 15.247

1.20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	0.956		PASS
DH5	2441	0.954		PASS
DH5	2480	0.956		PASS
2DH5	2402	1.292		PASS
2DH5	2441	1.294		PASS
2DH5	2480	1.292		PASS

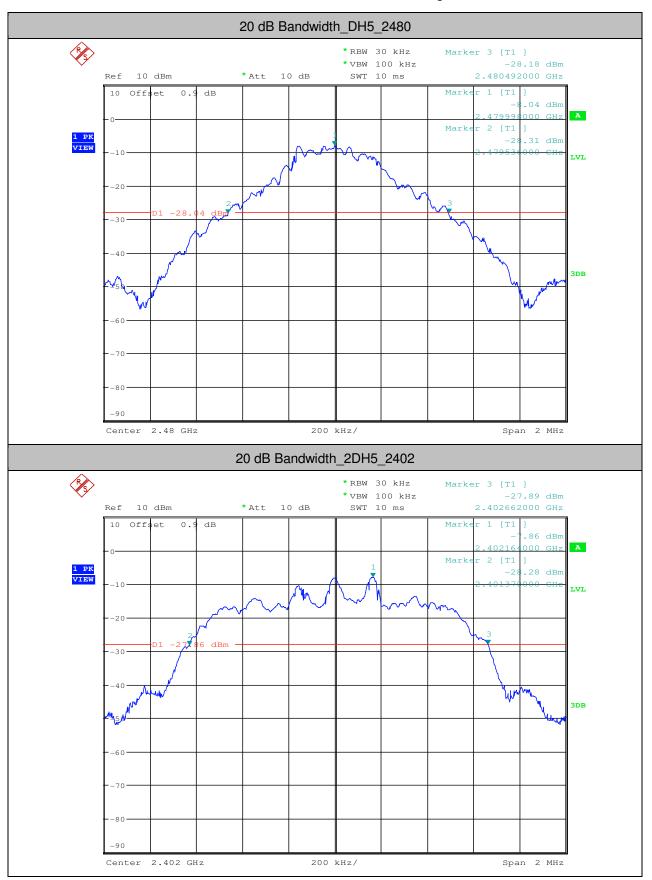


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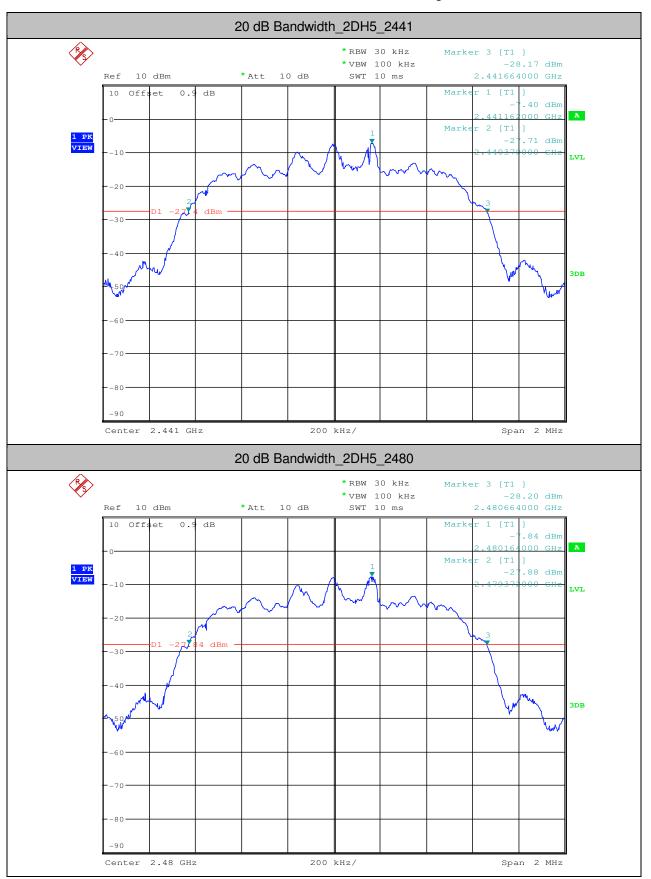


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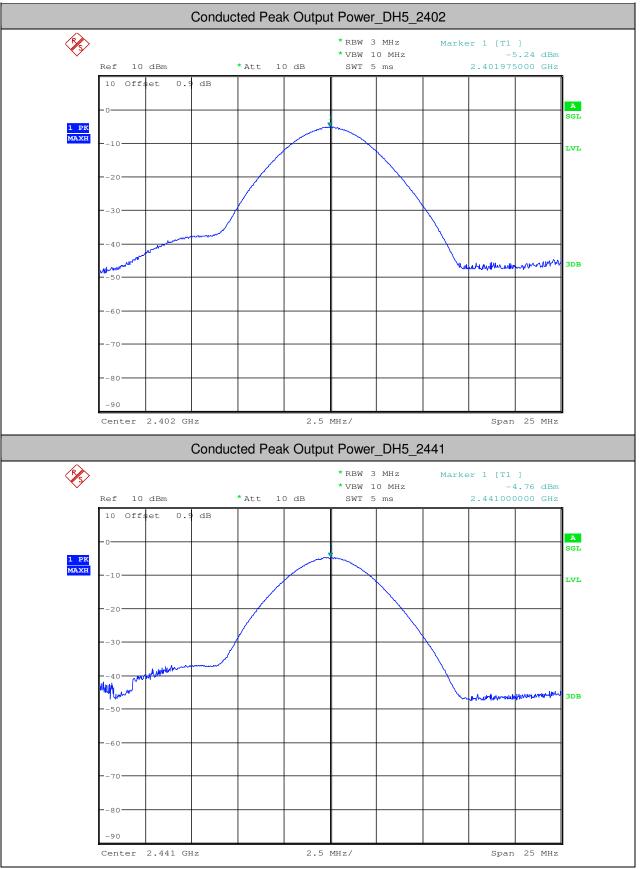
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Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH5	2402	-5.24	<20.97	PASS
DH5	2441	-4.76	<20.97	PASS
DH5	2480	-5.12	<20.97	PASS
2DH5	2402	-4.48	<20.97	PASS
2DH5	2441	-3.96	<20.97	PASS
2DH5	2480	-4.35	<20.97	PASS

2.Conducted Peak Output Power

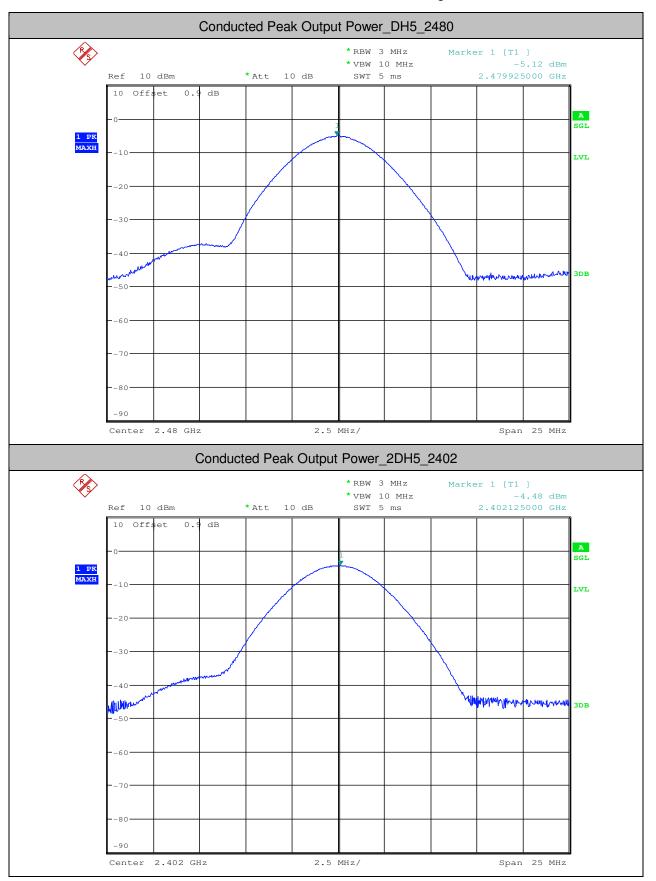


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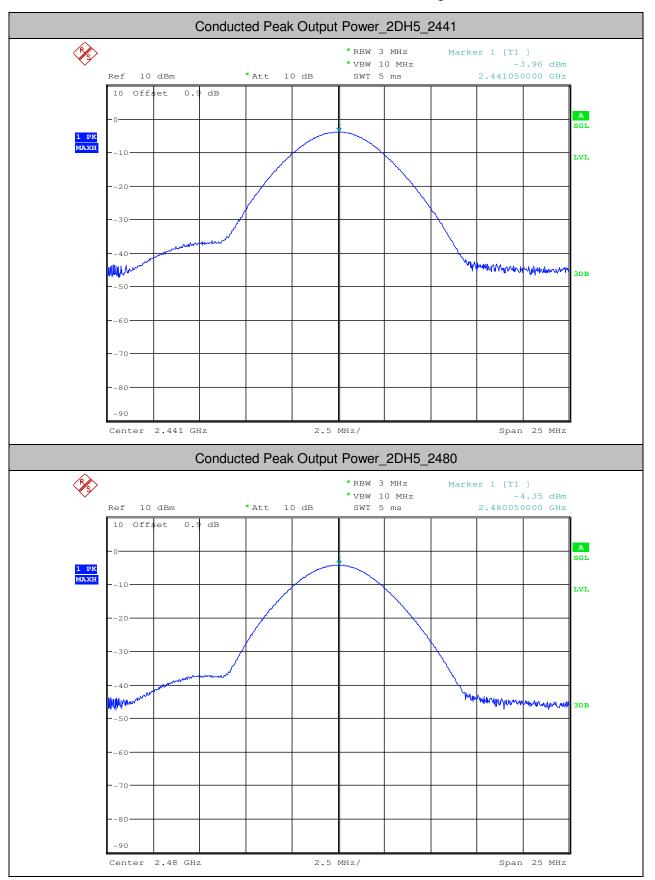


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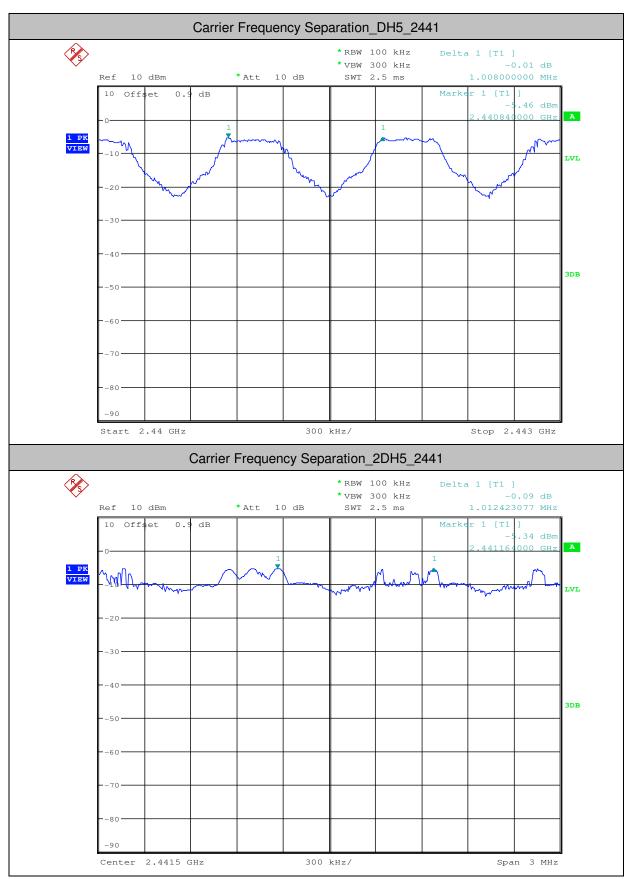
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3. Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	2441	1.008	>=0.637(2/3 20 dB bandwidth)	PASS
2DH5	2441	1.012	>=0.863(2/3 20 dB bandwidth)	PASS



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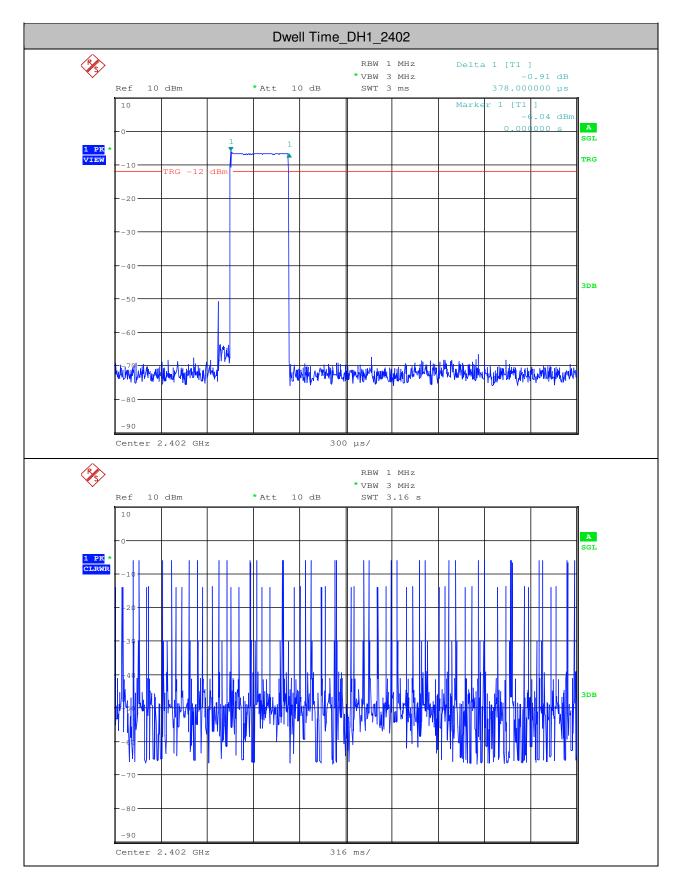


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Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
DH1	2402	0.38	310	0.118	<0.4	PASS
DH3	2402	1.64	160	0.262	<0.4	PASS
DH5	2402	2.88	110	0.317	<0.4	PASS
2DH1	2402	0.39	310	0.121	<0.4	PASS
2DH3	2402	1.65	170	0.281	<0.4	PASS
2DH5	2402	2.88	100	0.288	<0.4	PASS

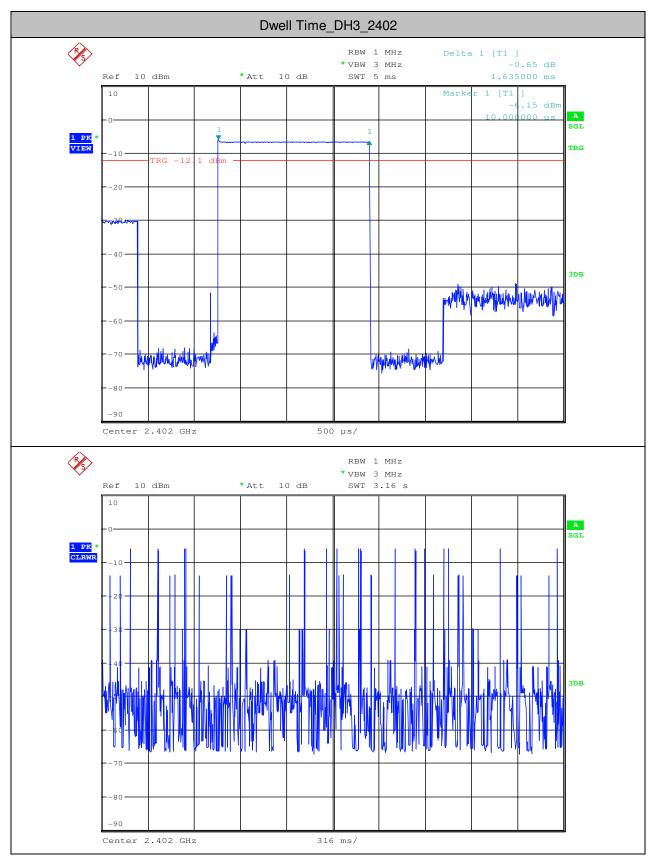


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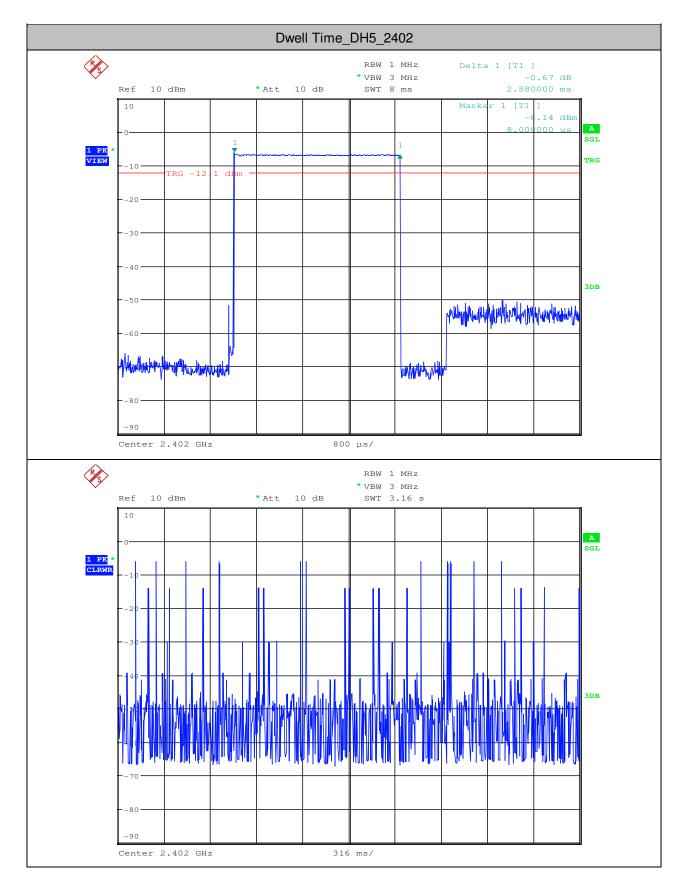


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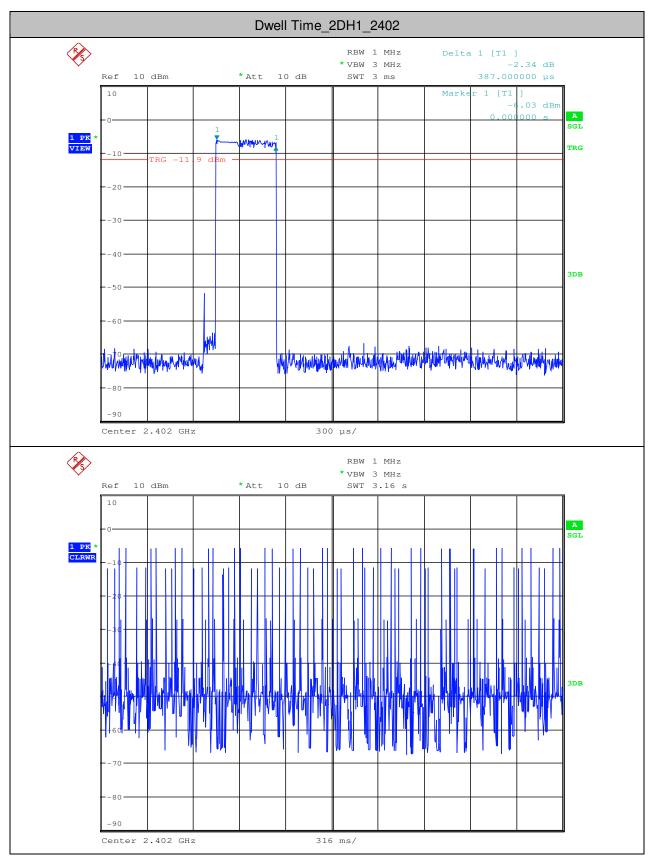


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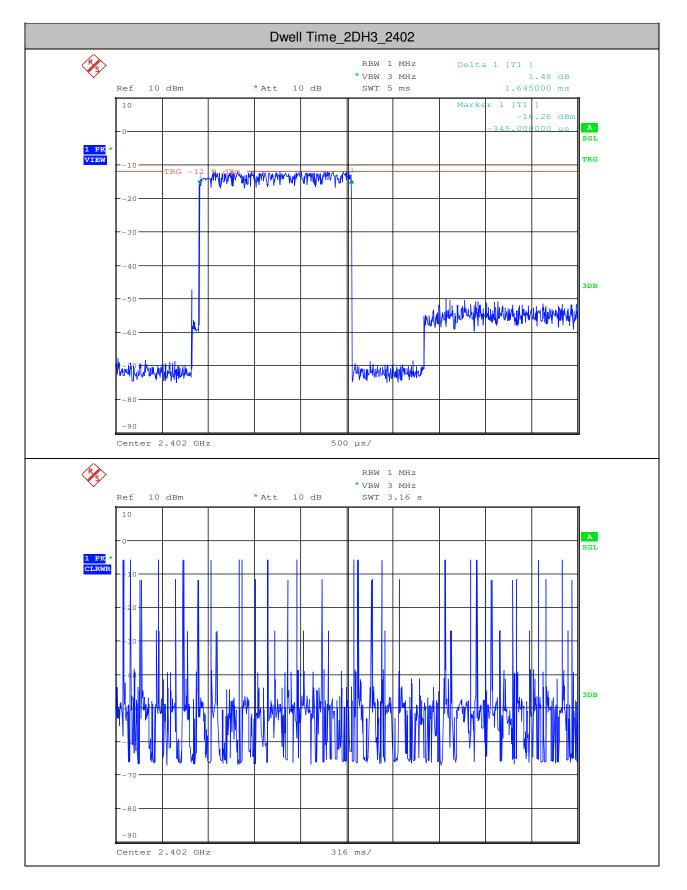


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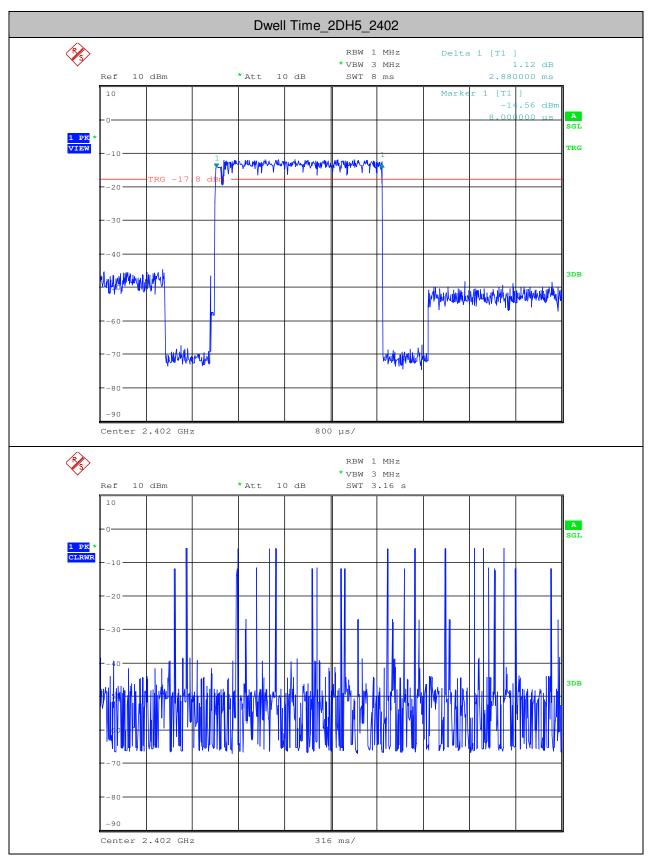


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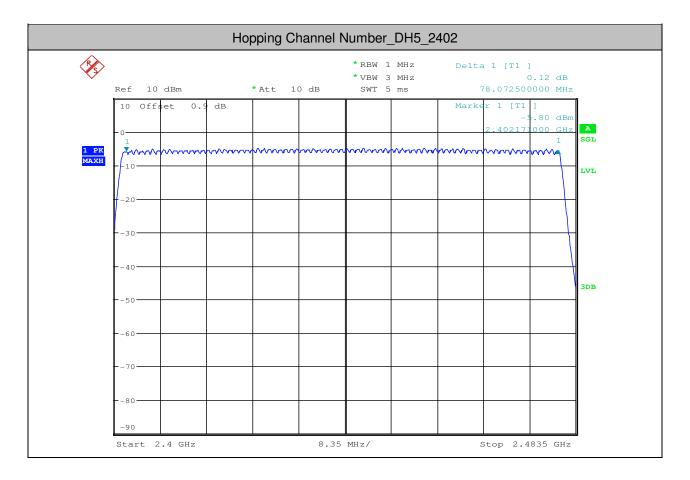
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5.Hopping Channel Number

Test Mode	Test Channel	Number of Hopping Channel[N]	Limit[N]	Verdict
DH5	2402	79	>=15	PASS
2DH5	2402	79	>=15	PASS

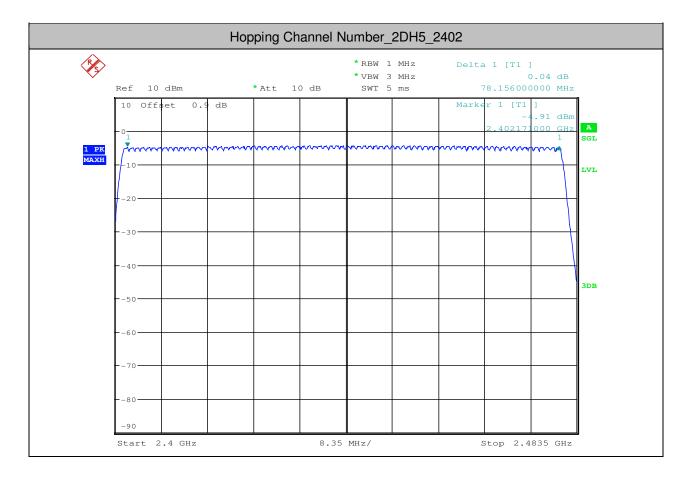


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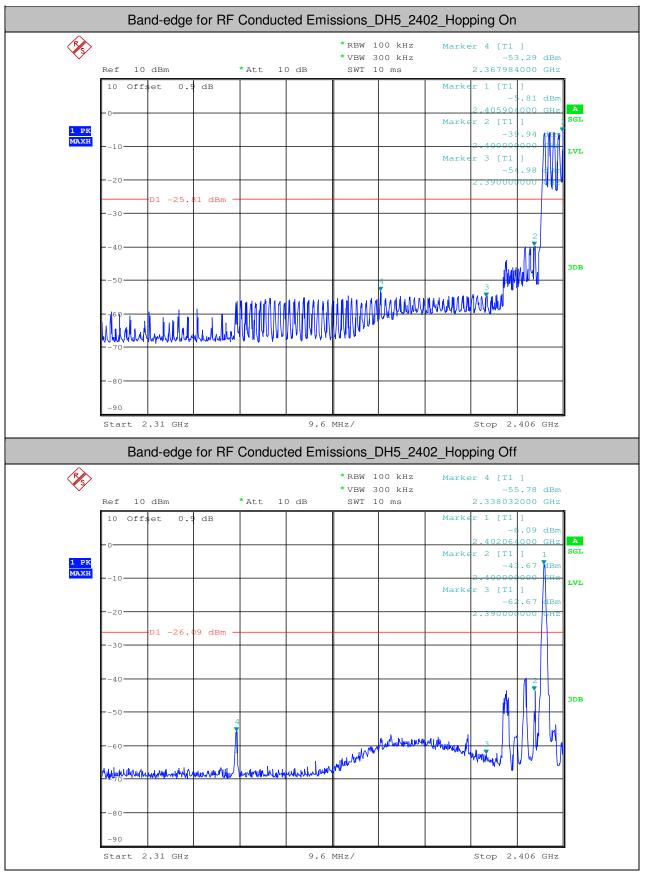
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Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	On	-5.810	-53.286	<-25.81	PASS
DH5	2402	Off	-6.090	-55.780	<-26.09	PASS
DH5	2480	On	-6.290	-54.112	<-26.29	PASS
DH5	2480	Off	-6.000	-54.798	<-26	PASS
2DH5	2402	On	-5.920	-54.243	<-25.92	PASS
2DH5	2402	Off	-5.940	-56.579	<-25.94	PASS
2DH5	2480	On	-5.780	-54.608	<-25.78	PASS
2DH5	2480	Off	-5.880	-56.654	<-25.88	PASS

6.Band-edge for RF Conducted Emissions



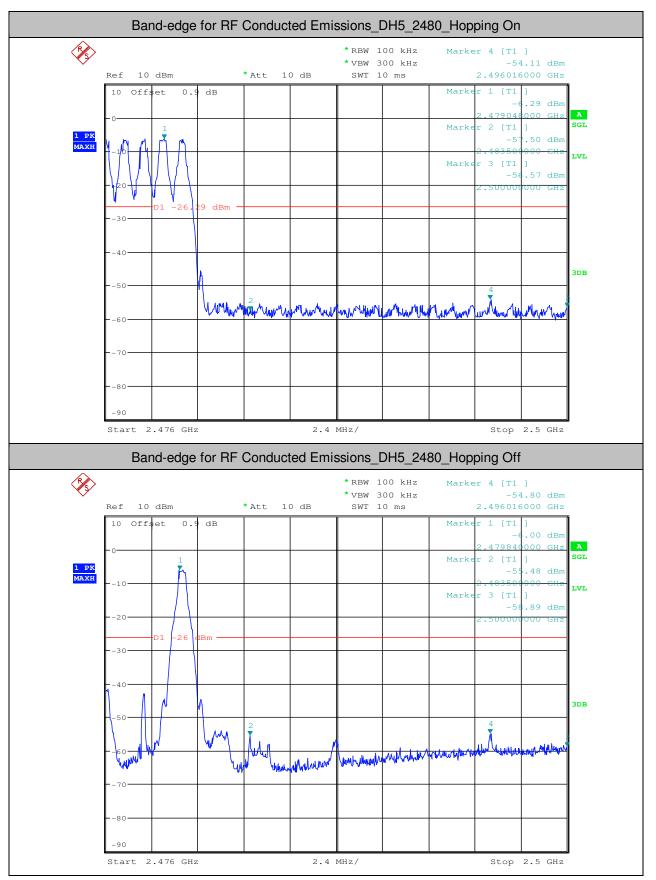
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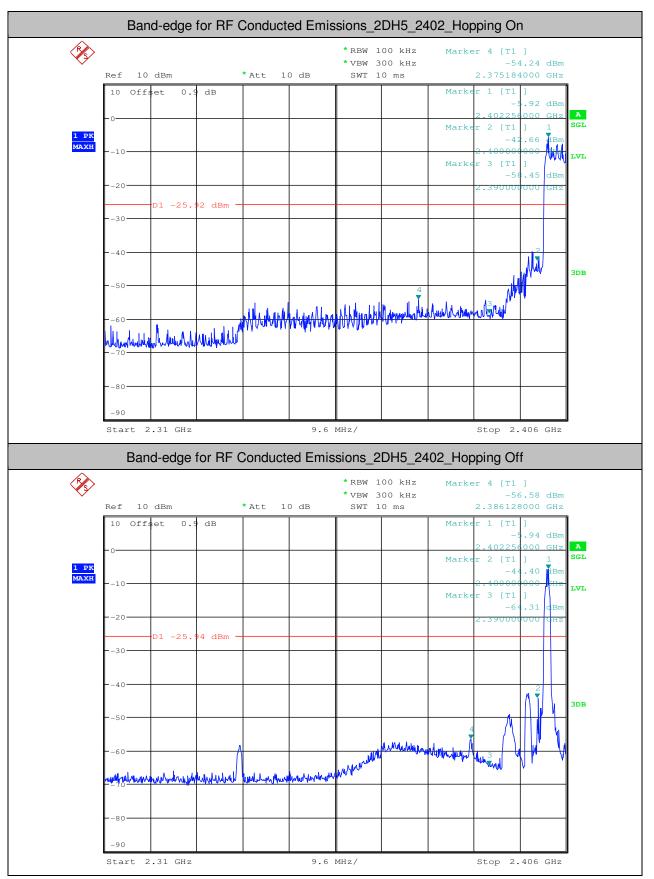


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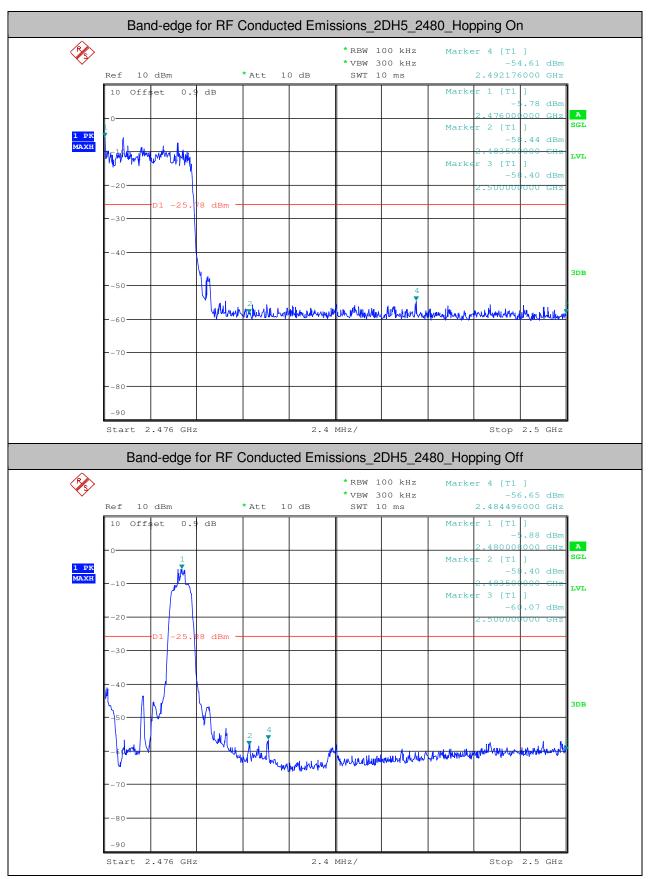


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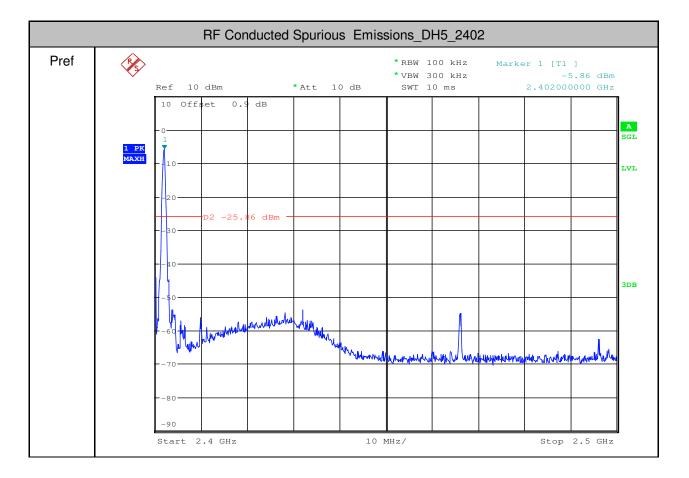
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Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdic t
DH5	2402	30	10000	1000	3000	-5.86	-39.420	<- 25.86	PASS
DH5	2402	10000	25000	1000	3000	-5.86	-64.880	<- 25.86	PASS
DH5	2441	30	10000	1000	3000	-5.41	-38.460	<- 25.41	PASS
DH5	2441	10000	25000	1000	3000	-5.41	-64.730	<- 25.41	PASS
DH5	2480	30	10000	1000	3000	-5.76	-39.710	<- 25.76	PASS
DH5	2480	10000	25000	1000	3000	-5.76	-65.130	<- 25.76	PASS
2DH5	2402	30	10000	1000	3000	-5.94	-38.280	<- 25.94	PASS
2DH5	2402	10000	25000	1000	3000	-5.94	-64.650	<- 25.94	PASS
2DH5	2441	30	10000	1000	3000	-5.48	-37.660	<- 25.48	PASS
2DH5	2441	10000	25000	1000	3000	-5.48	-64.770	<- 25.48	PASS
2DH5	2480	30	10000	1000	3000	-5.79	-38.840	<- 25.79	PASS
2DH5	2480	10000	25000	1000	3000	-5.79	-65.330	<- 25.79	PASS

7.RF Conducted Spurious Emissions

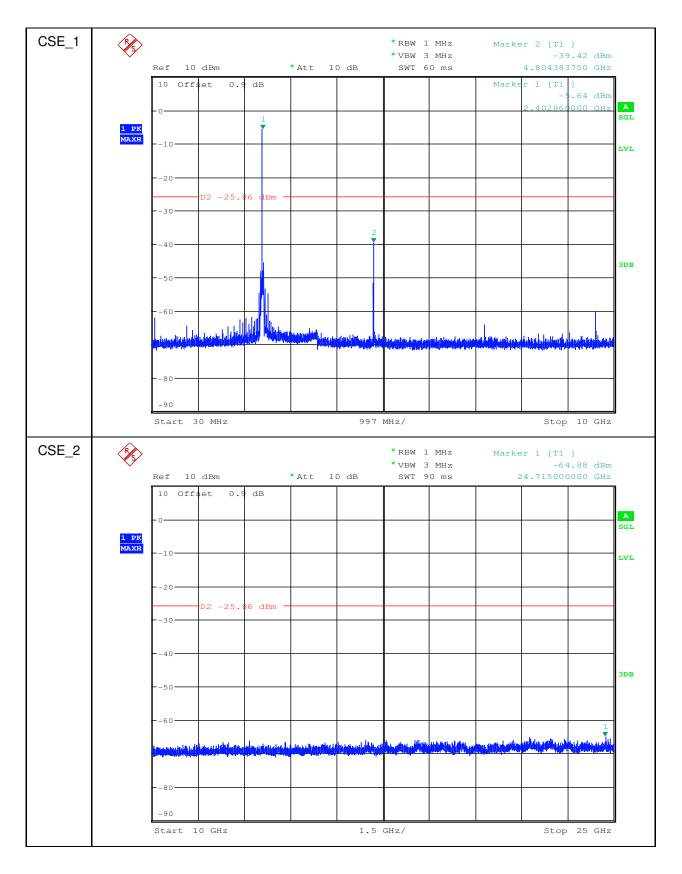


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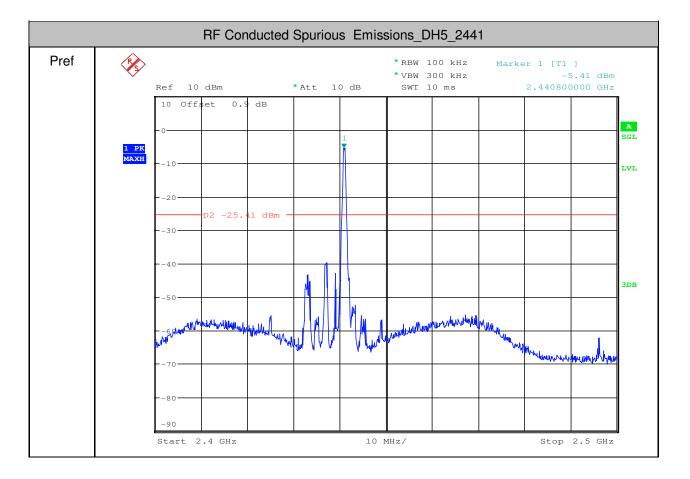


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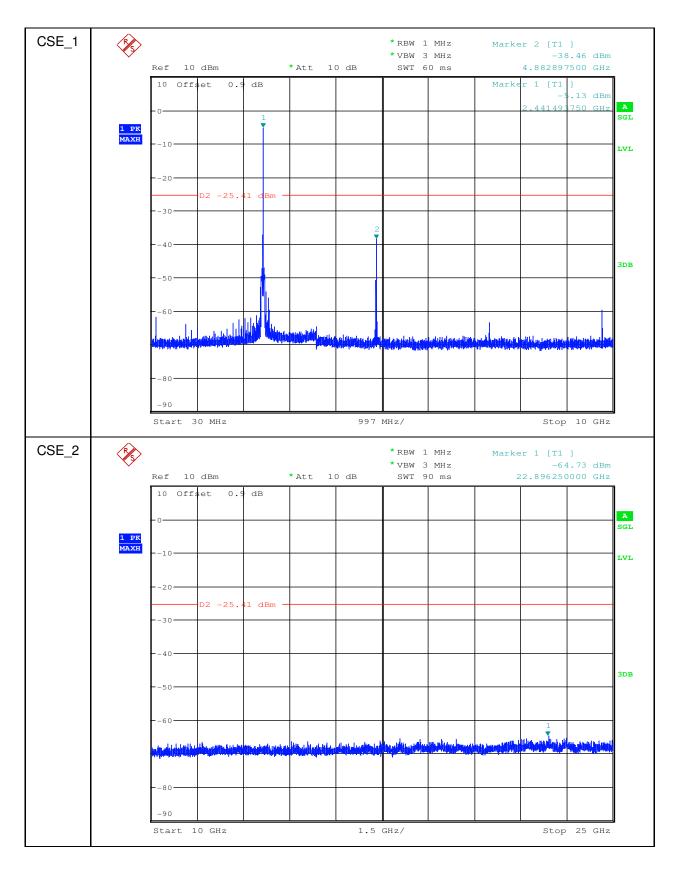


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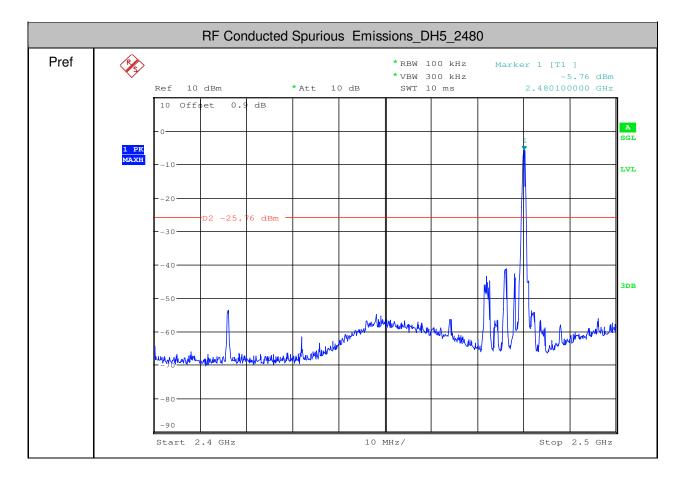


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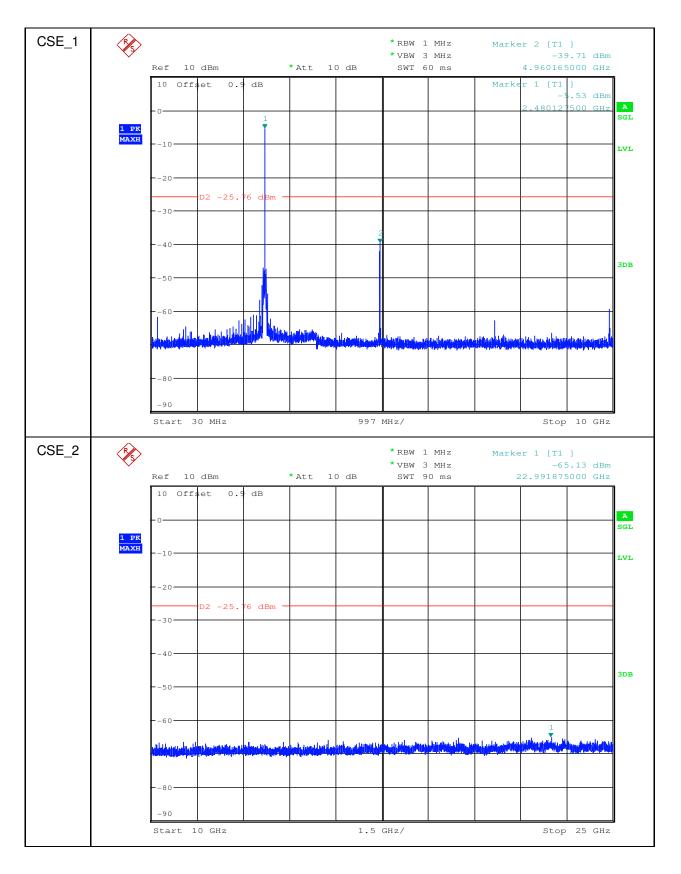


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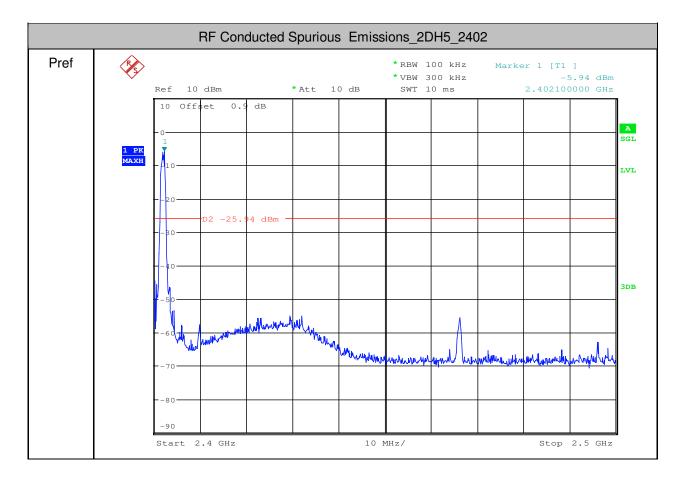


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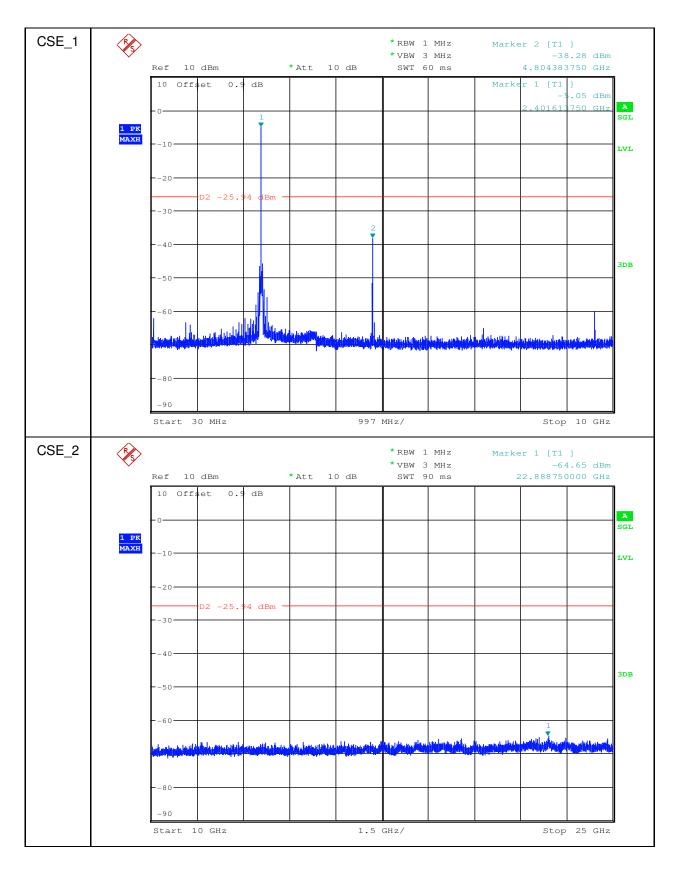


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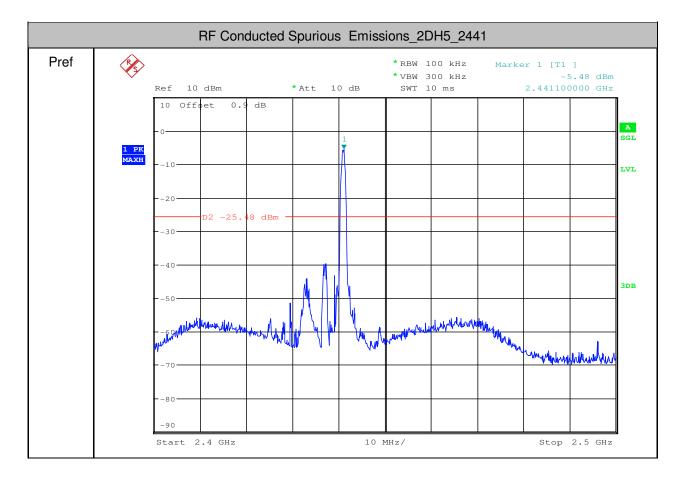


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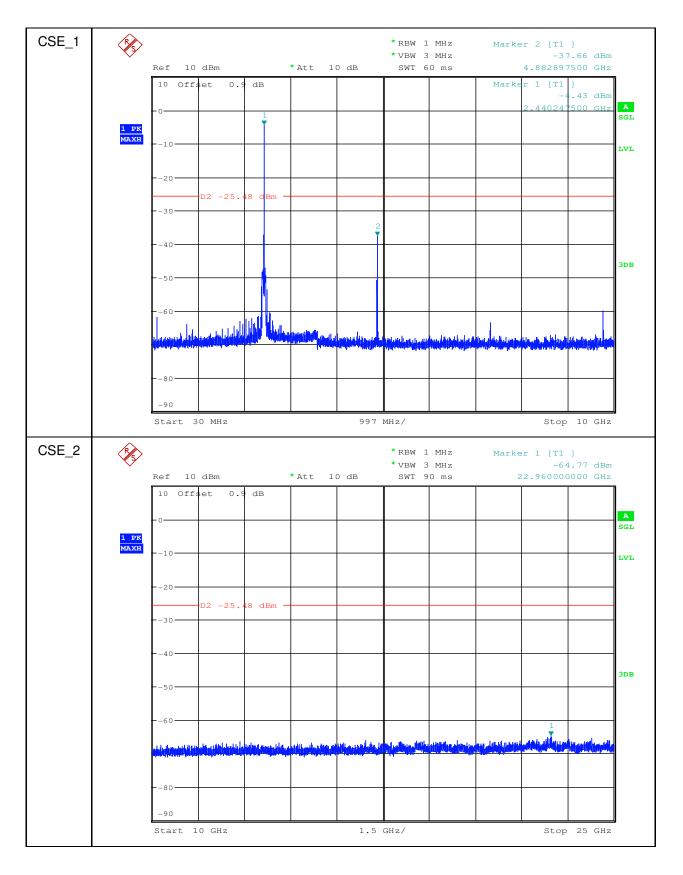


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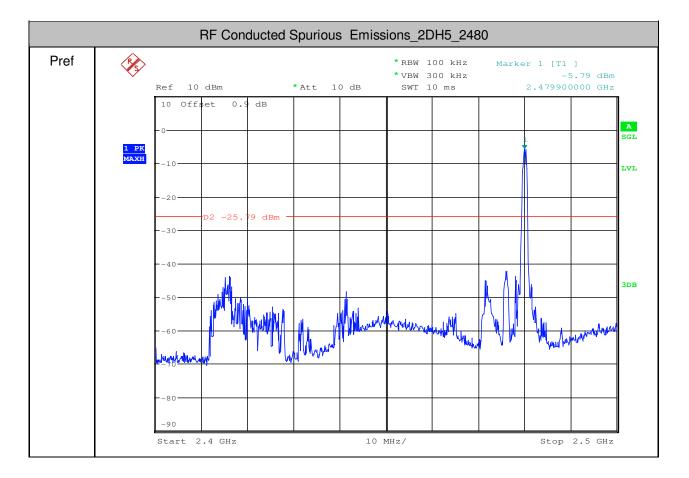


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