#### Shenzhen Huatongwei International Inspection Co., Ltd.



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# **TEST REPORT**

**Report Reference No.....: TRE1509010702** R/C.....: 74567

FCC ID.....: WA6I134

Applicant's name.....: Verykool USA INC

Manufacturer...... MOBIWIRE MOBILES (NINGBO) CO.,LTD

Test item description .....: Mobile Phone

Trade Mark ..... verykool

Model/Type reference..... i134

Standard .....: FCC CFR Title 47 Part 15 Subpart C Section 15.247

Date of receipt of test sample...... Sep 28, 2015

Date of testing...... Sep 29, 2015- Oct 19, 2015

Date of issue...... Oct 20, 2015

Result...... PASS

Compiled by

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Testing Laboratory Name .....: Shenzhen Huatongwei International Inspection Co., Ltd

Address...... Bldg3, Hongfa Hi-tech Industrial Park, Genyu Road, Shenzhen,

China

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# 1. TEST STANDARDS ANDTEST DESCRIPTION

# 1.1. Test Standards

The tests were performed according to following standards:

<u>FCC Rules Part 15.247</u>: Frequency Hopping, Direct Spread Spectrum and Hybrid Systems that are in operation within the bands of 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz.

ANSI C63.10-2013: American National Standard for Testing Unlicensed Wireless Devicese

# 1.2. Test Description

ReportSection	Test Item	Section in CFR 47	Result
4.1	Antenna Requirement	15.203/15.247 (c)	Pass
4.2	4.2 AC Power Line Conducted Emission 15.207		Pass
4.3	Conducted Peak Output Power	15.247 (b)(1)	Pass
4.4	20dB Occupied Bandwidth	15.247 (a)(1)	Pass
4.5	Carrier Frequencies Separation	15.247 (a)(1)	Pass
4.6	Hopping Channel Number	15.247 (a)(1)	Pass
4.7	Dwell Time	15.247 (a)(1)	Pass
4.8	Pseudorandom Frequency Hopping Sequence	15.247(b)(4)&TCB Exclusion List (7 July 2002)	Pass
4.9	Restricted band	15.247(d)/15.205	Pass
4.10/4.11	Radiated Emission	15.247(d)/15.209	Pass

Remark: The measurement uncertainty is not included in the test result.

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# 2. **SUMMARY**

# 2.1. Client Information

Applicant:	Verykool USA INC
Address:	3636 Nobel Drive, Suite 325,San Diego,CA 92122,USA
Manufacturer:	MOBIWIRE MOBILES (NINGBO) CO.,LTD
Address:	No.999,Dacheng East Road,Fenghua City,Zhejiang Province,China

# 2.2. Product Description

N. CEUT	
Name of EUT	Mobile Phone
Trade Mark: verykool	
Model No.:	i134
Listed Model(s):	-
Power supply:	DC3.70V From internal battery
Adapter information: Model:QBAR3G	
	Input:100-300Va.c., 50/60Hz, 0.12A
	Output: 5.0Vd.c.,0.55A
Bluetooth	
Version:	Supported BT2.1+EDR
Modulation:	GFSK, π/4DQPSK, 8DPSK
Operation frequency:	2402MHz~2480MHz
Channel number:	79
Channel separation: 1MHz	
Antenna type:	Integral Antenna
Antenna gain:	-1dBi

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# 2.3. Operation state

# ◆ Test frequency list

According to section 15.31(m), regards to the operating frequency range over 10 MHz, must select three channel which were tested. the Lowest frequency, the middle frequency, and the highest frequency of channel were selected to perform the test, please see the above gray bottom.

Channel	Frequency (MHz)
0	2402
1	2403
:	:
39	2441
i i	::
77	2479
78	2480

### **♦** Test mode

For RF test items:

the engineering test program was provided and enabled to make EUT continuous transmit/receive.

For AC power line conducted emissions:

the EUT was set to connect with the Bluetooth under large package sizes transmission.

# 2.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:

- supplied by the manufacturer
- O supplied by the lab

	11 /		
0	Power Cable	Length (m):	1
		Shield :	1
		Detachable :	1
0	Multimeter	Manufacturer :	1
		Model No. :	1

## 2.5. Modifications

No modifications were implemented to meet testing criteria.

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# 3. TEST ENVIRONMENT

#### **3.1.** Address of the test laboratory

Laboratory:Shenzhen Huatongwei International Inspection Co., Ltd. (Gongming) Address: Bldg3, Hongfa Hi-tech Industrial Park, Genyu Road, Shenzhen, China Phone: 86-755-26748019 Fax: 86-755-26748089

# **3.2.** Test Facility

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

#### CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories, Date of Registration: February 28, 2015. Valid time is until February 27, 2018.

### A2LA-Lab Cert. No. 2243.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is until Sept 30, 2015.

#### FCC-Registration No.: 662850

Shenzhen Huatongwei International Inspection Co., Ltd. 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 662850, Renewal date Jul. 01, 2012, valid time is until Jun. 01, 2015.

#### FCC-Registration No.: 317478

Shenzhen Huatongwei International Inspection Co., Ltd. (Gongming 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 317478, Renewal date July 18, 2014, valid time is until July. 18, 2017.

#### IC-Registration No.: 5377A

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377A on Dec. 31, 2013, valid time is until Dec. 31, 2016.

#### IC-Registration No.: 5377B

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. (Gongming EMC Laboratory) has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377B on September 3, 2014, valid time is until September 3, 2017.

#### **ACA**

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

#### VCCI

The 3m Semi-anechoic chamber (12.2m×7.95m×6.7m) of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.:R-2484. Date of Registration: Dec. 20, 2012. Valid time is until Dec. 29, 2015.

Radiated disturbance above 1GHz measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-292. Date of Registration: Dec. 24, 2013. Valid time is until Dec. 23, 2016.

Main Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-2726. Date of Registration: Dec. 20, 2012. Valid time is until Dec. 19, 2015.

Telecommunication Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: T-1837. Date of Registration: May 07, 2013. Valid time is until May 06, 2016.

#### DNV

Shenzhen Huatongwei International Inspection Co., Ltd. has been found to comply with the requirements of DNV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Directives and in the voluntary field. The acceptance is based on a formal quality Audit and follow-ups according to relevant parts of ISO/IEC Guide 17025 (2005), in accordance with the requirements of the DNV Laboratory Quality Manual towards subcontractors. Valid time is until Aug. 24, 2016.

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#### 3.3. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

Temperature:	15~35°C
lative Humidity:	30~60 %
Air Pressure:	950~1050mba

## 3.4. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01"Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1"and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongweilaboratory is reported:

Test Items	MeasurementUncertainty	Notes
Transmitter power conducted	0.57 dB	(1)
Transmitter power Radiated	2.20 dB	(1)
Conducted spurious emission 9KHz-40 GHz	1.60 dB	(1)
Radiated spurious emission 9KHz-40 GHz	2.20 dB	(1)
Conducted Emission 9KHz-30MHz	3.39 dB	(1)
Radiated Emission30~1000MHz	4.24 dB	(1)
Radiated Emissio 1~18GHz	5.16 dB	(1)
Radiated Emissio 18-40GHz	5.54 dB	(1)
Occupied Bandwidth		(1)

<sup>(1)</sup> This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

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# 3.5. Equipments Used during the Test

Cond	Conducted Emission (AC Main)					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal	
1	Artificial Mains	Rohde&Schwarz	ESH2-Z5	100028	2014/11/01	
2	EMI Test Receiver	Rohde&Schwarz	ESCI3	100038	2014/11/01	
3	Pulse Limiter	Rohde&Schwarz	ESHSZ2	100044	2014/11/01	
4	EMI Test Software	Rohde&Schwarz	ES-K1 V1.71	N/A	N/A	

Radia	Radiated Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal	
1	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	2014/11/01	
2	EMI TEST RECEIVER	Rohde&Schwarz	ESI 26	100009	2014/11/01	
3	EMI TEST Software	Audix	E3	N/A	N/A	
4	TURNTABLE	ETS	2088	2149	N/A	
5	ANTENNA MAST	ETS	2075	2346	N/A	
6	EMI TEST Software	Rohde&Schwarz	ESK1	N/A	N/A	
7	HORNANTENNA	ShwarzBeck	9120D	1011	2014/11/01	
8	Amplifer	Sonoma	310N	E009-13	2014/11/01	
9	JS amplifer	Rohde&Schwarz	JS4-00101800- 28-5A	F201504	2014/11/01	
10	High pass filter	Compliance Direction systems	BSU-6	34202	2014/11/01	
11	HORNANTENNA	ShwarzBeck	9120D	1012	2014/11/01	
12	Amplifer	Compliance Direction systems	PAP1-4060	120	2014/11/01	
13	Loop Antenna	Rohde&Schwarz	HFH2-Z2	100020	2014/11/01	
14	TURNTABLE	MATURO	TT2.0		N/A	
15	ANTENNA MAST	MATURO	TAM-4.0-P		N/A	
16	Horn Antenna	SCHWARZBECK	BBHA9170	25841	2014/11/01	
17	ULTRA-BROADBAND ANTENNA	Rohde&Schwarz	HL562	100015	2014/11/01	

I	Maximum Peak Output Power / Power Spectral Density / 6dB Bandwidth / Band Edge Compliance of RF					
Emis	Emission / Spurious RF Conducted Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal	
1	Spectrum Analyzer	Rohde&Schwarz	FSP	1164.4391.40	2014/11/01	

The Cal.Interval was one year

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# 4. TEST CONDITIONS AND RESULTS

## 4.1. Antenna requirement

### Requirement

### FCC CFR Title 47 Part 15 Subpart C Section 15.203:

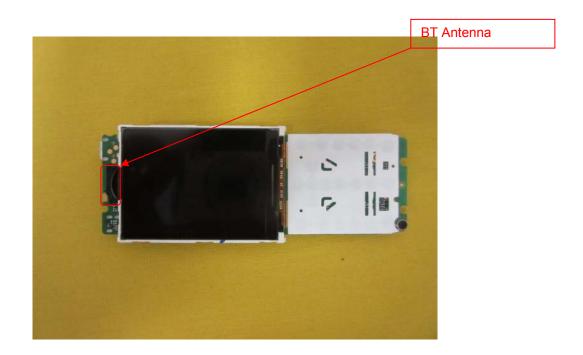
An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of anantenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

## FCC CFR Title 47 Part 15 Subpart C Section 15.247(c) (1)(i):

(i) Systems operating in the 2400-2483.5 MHz band that is used exclusively for fixed. Point-to-point operations may employ transmitting antennas with directional gain greater than 6dBi provided the maximum conducted output power of the intentional radiator is reduced by 1 dB for every 3 dB that the directional gain of the antenna exceeds 6dBi.

#### **Test Result:**

The antenna is integralantenna, the best case gain of the antenna is-1dBi



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# 4.2. Conducted Emission (AC Main)

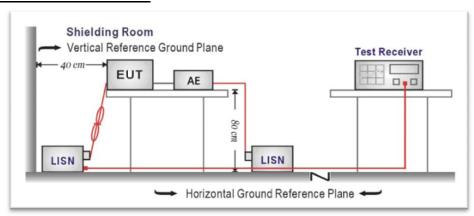
#### LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.207

Fraguency range (MHz)	Limit (dBuV)		
Frequency range (MHz)	Quasi-peak	Average	
0.15-0.5	66 to 56*	56 to 46*	
0.5-5	56	46	
5-30	60	50	

<sup>\*</sup> Decreases with the logarithm of the frequency.

### **TEST CONFIGURATION**



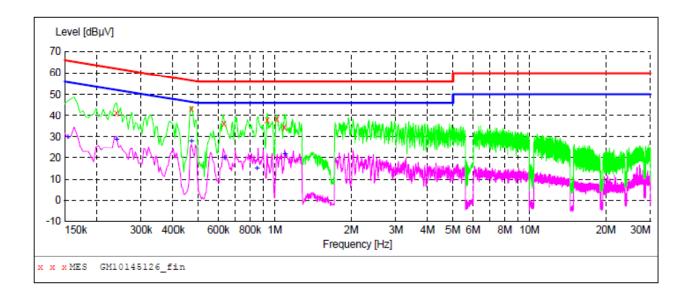
#### **TEST PROCEDURE**

- 1. The EUT was setup according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
- 2. The EUT was placed on a platform of nominal size, 1 m by 1.5 m, raised 80 cm above the conducting ground plane. The vertical conducting plane was located 40 cm to the rear of the EUT. All other surfaces of EUT were at least 80 cm from any other grounded conducting surface.
- 3. The EUT and simulators are connected to the main power through a line impedancestabilization network (LISN). The LISN provides a 50 ohm /50uH coupling impedance for themeasuring equipment.
- 4. The peripheral devices are also connected to the main power through aLISN. (Please refer to the block diagram of the test setup and photographs)
- 5. Each current-carrying conductor of the EUT power cord, except the ground (safety) conductor,was individually connected through a LISN to the input power source.
- 6. The excess length of the power cord between the EUT and the LISN receptacle were foldedback and forth at the center of the lead to form a bundle not exceeding 40 cm in length.
- 7. Conducted emissions were investigated over the frequency range from 0.15MHz to 30MHzusing a receiver bandwidth of 9 kHz.

#### **TEST RESULTS**

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Test mode:AC 120V	BT	Polarization	L
7 000 7770 000 720 7		, olarization	_



# MEASUREMENT RESULT: "GM10145126\_fin"

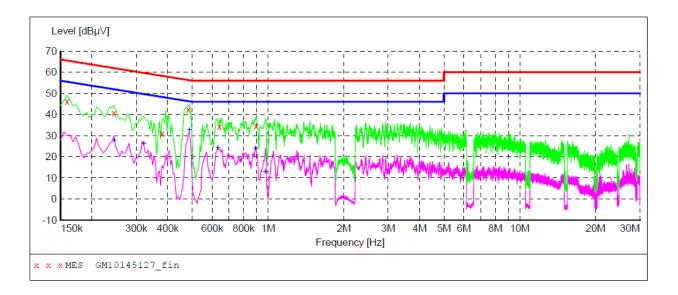
10/14/2015 Trequency	l:39PM Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.240000	41.30	10.2	62	20.8	QP	L1	GND
0.469500	43.30	10.2	57	13.2	QP	L1	GND
0.631500	36.20	10.2	56	19.8	QP	L1	GND
0.933000	37.60	10.2	56	18.4	QP	L1	GND
1.018500	38.10	10.2	56	17.9	QP	L1	GND
1.090500	34.40	10.2	56	21.6	QP	L1	GND

# MEASUREMENT RESULT: "GM10145126\_fin2"

1	0/14/2015 1: Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
	0.154500	29.80	10.2	56	26.0	AV	L1	GND
	0.240000	28.70	10.2	52	23.4	AV	L1	GND
	0.469500	27.70	10.2	47	18.8	AV	L1	GND
	0.631500	19.80	10.2	46	26.2	AV	L1	GND
	0.852000	14.90	10.2	46	31.1	AV	L1	GND
	1.099500	21.80	10.2	46	24.2	AV	L1	GND

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Test mode: AC 120V	BT	Polarization	N



# MEASUREMENT RESULT: "GM10145127 fin"

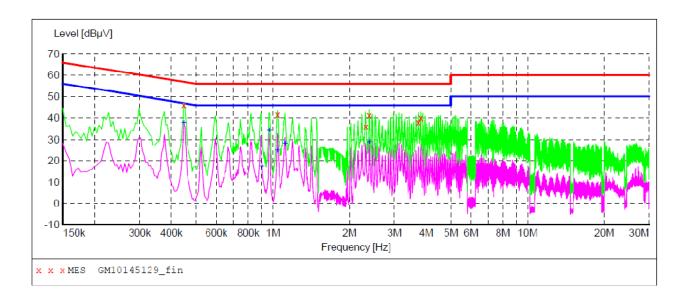
10/14/2015 1	:41PM						
Frequency	Level	Transd	Limit	Margin	Detector	Line	PE
MHz	dΒμV	dB	dΒμV	dB			
0.159000	46.00	10.2	66	19.5	QP	N	GND
0.244500	40.70	10.2	62	21.2	QP	N	GND
0.379500	31.10	10.2	58	27.2	QP	N	GND
0.483000	42.40	10.2	56	13.9	QP	N	GND
0.640500	34.10	10.2	56	21.9	QP	N	GND
0.897000	34.50	10.2	56	21.5	QP	N	GND

# MEASUREMENT RESULT: "GM10145127\_fin2"

10/14/2015	1:41PM						
Frequenc	4				Detector	Line	PE
MH	iz dBµV	dB	dΒμV	dB			
0.24450	0.7 50	10.0	E 0	24.4	7. 7. 7	NT	CMD
0.24450	0 27.50	10.2	52	24.4	AV	N	GND
0.32100	0 26.00	10.2	50	23.7	AV	N	GND
0.48750	0 32.60	10.2	46	13.6	AV	N	GND
0.63150	0 24.00	10.2	46	22.0	AV	N	GND
0.89250	0 23.80	10.2	46	22.2	AV	N	GND
0.97350	0 12.80	10.2	46	33.2	AV	N	GND

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Test mode:AC 240V	RT	Polarization	1
1 631 111006.AC 240 V	DI	rulanzaliun	L



# MEASUREMENT RESULT: "GM10145129\_fin"

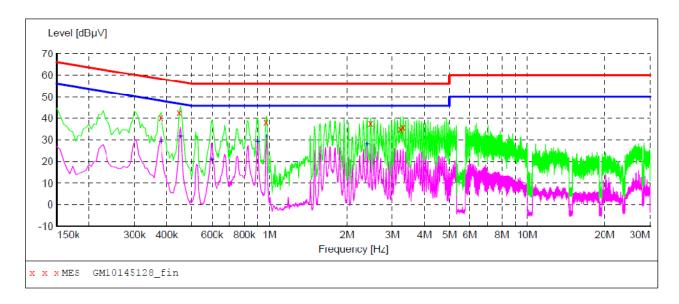
10/14/2015 1:	49PM						
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.447000 1.041000 2.314500 2.386500 3.727500 3.799500	46.00 41.50 36.00 41.20 37.90 40.10	10.2 10.2 10.3 10.3 10.3	57 56 56 56 56	10.9 14.5 20.0 14.8 18.1 15.9	QP QP QP QP QP	L1 L1 L1 L1 L1	GND GND GND GND GND GND

# MEASUREMENT RESULT: "GM10145129 fin2"

10	0/14/2015 1: Frequency MHz		Transd dB	Limit dBuV	Margin dB	Detector	Line	PE
		'		'				
	0.447000	37.70	10.2	47	9.2	AV	L1	GND
	0.906000	17.20	10.2	46	28.8	AV	L1	GND
	0.969000	33.90	10.2	46	12.1	AV	L1	GND
	1.041000	24.80	10.2	46	21.2	AV	L1	GND
	1.117500	28.20	10.2	46	17.8	AV	L1	GND
	2 386500	28 80	10 3	46	17 2	Δ77	T.1	GMD

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Test mode: AC 240V BT Polarization N
--------------------------------------



# MEASUREMENT RESULT: "GM10145128\_fin"

10/14/20	15 1:4	5PM						
Frequ	ency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.37	9500	40.20	10.2	58	18.1	QP	N	GND
0.44	7000	42.60	10.2	57	14.3	QP	N	GND
0.96	9000	38.30	10.2	56	17.7	QP	N	GND
2.46	7500	37.60	10.3	56	18.4	QP	N	GND
3.22	3500	35.10	10.3	56	20.9	QP	N	GND
3.29	5500	36.00	10.3	56	20.0	QP	N	GND

# MEASUREMENT RESULT: "GM10145128 fin2"

10/14/2015 1: Frequency MHz		Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.379500	29.10	10.2	48	19.2	AV	N	GND
0.451500	31.40	10.2	47	15.4	AV	N	GND
0.595500	20.90	10.2	46	25.1	AV	N	GND
0.901500	29.10	10.2	46	16.9	AV	N	GND
0.973500	31.70	10.2	46	14.3	AV	N	GND
2.395500	28.00	10.3	46	18.0	AV	N	GND

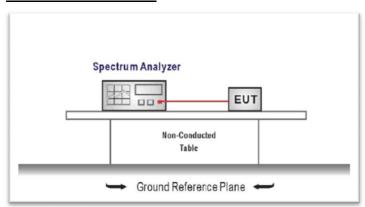
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# 4.3. Conducted Peak Output Power

# **LIMIT**

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3): 30dBm

# **TEST CONFIGURATION**



# **TEST PROCEDURE**

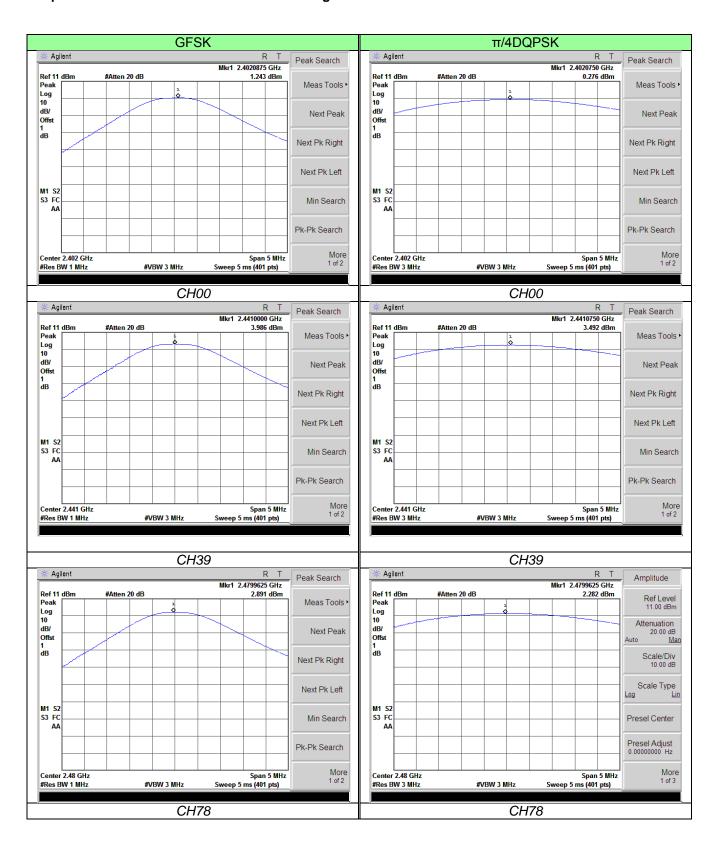
Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum.

# **TEST RESULTS**

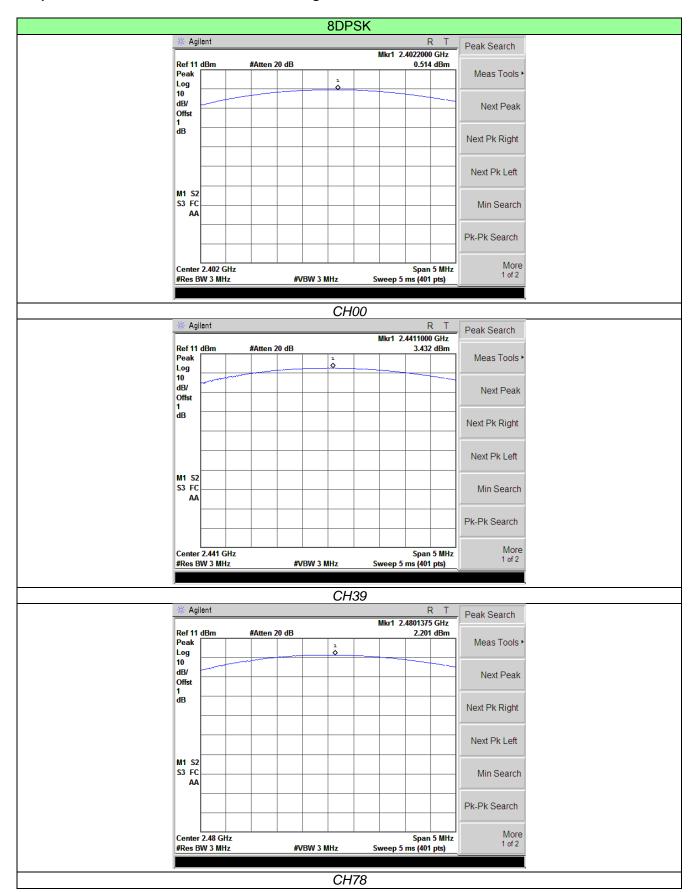
Modulation type	Channel	Output power (dBm)	Limit (dBm)	Result	
	00	1.24			
GFSK	39	3.98	30.00	Pass	
	78	2.89			
	00	0.27	21.00	Pass	
π/4DQPSK	39	3.49			
	78	2.28			
	00	0.51			
8DPSK	39	3.43	21.00	Pass	
	78	2.20			

Test plot as follows:

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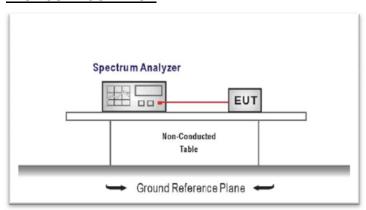
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### 4.4. 20dB Emission Bandwidth

### **LIMIT**

N/A

# **TEST CONFIGURATION**



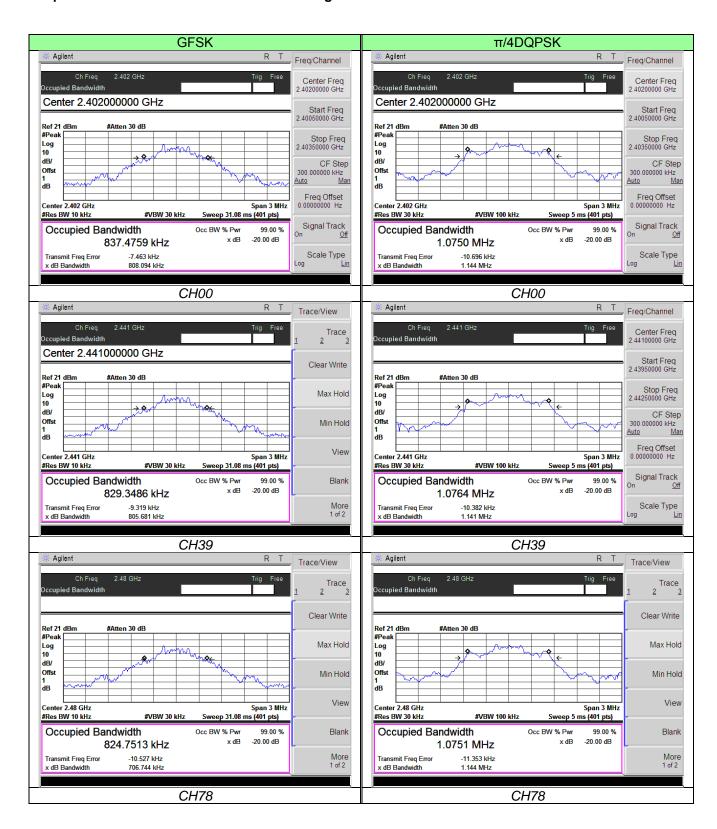
### TEST PROCEDURE

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator.
- 2. The bandwidth of the fundamental frequency was measured by spectrum analyzer withRBW≥1% of the 20 dB bandwidthand VBW≥RBW.
- 3. The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

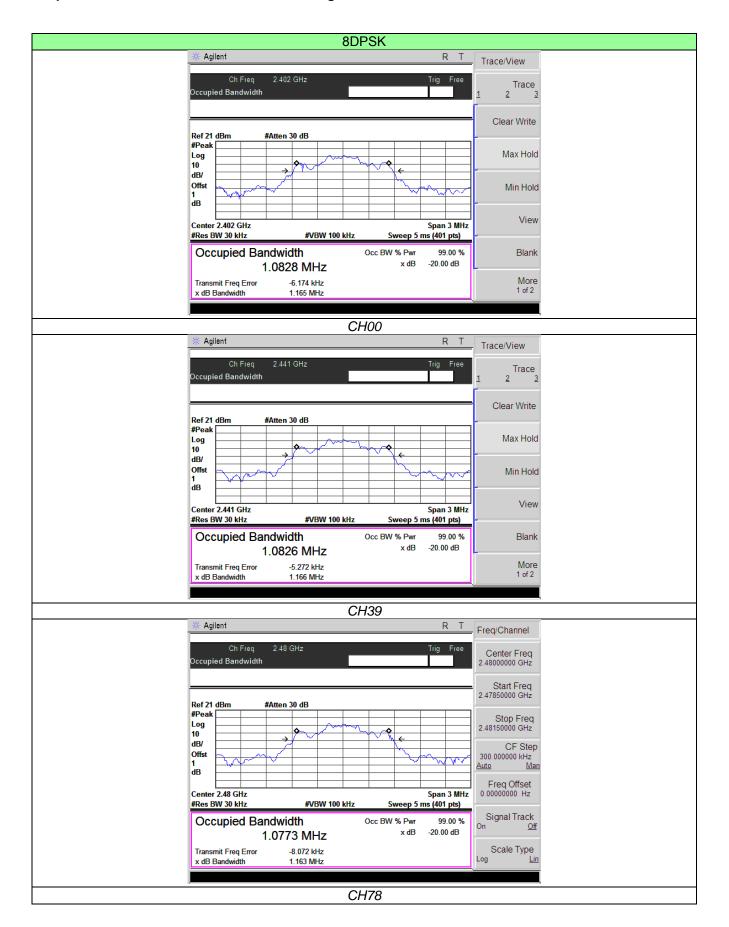
# **TEST RESULTS**

Modulation type	Channel	20dB Bandwidth (MHz)	Limit (MHz)	Result
	00	0.808	808	
GFSK	39	0.805	1	Pass
	78	0.706		
	00	1.144		
π/4DQPSK	39	1.141	1	Pass
	78	1.144		
	00	1.165		
8DPSK	39	1.166	1	Pass
	78	1.163		

Test plot as follows:



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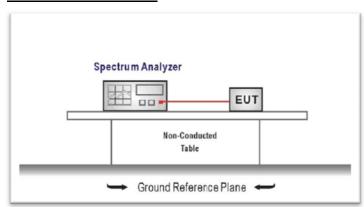
# 4.5. Carrier Frequencies Separation

### **LIMIT**

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(1):

frequency hopping systems shall have hopping channel carrier frequencies separated by minimum of 25KHz or the 2/3\*20dB bandwidth of the hopping channel, whichever is greater.

# **TEST CONFIGURATION**



### **TEST PROCEDURE**

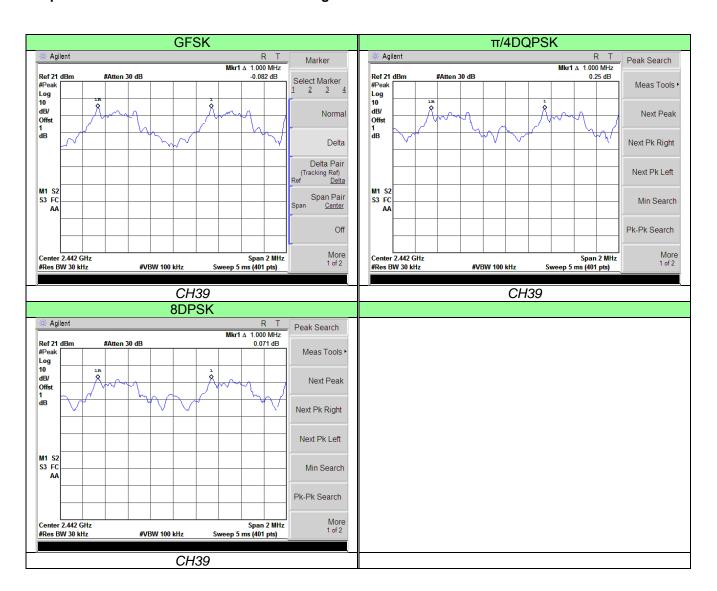
- 1. The transmitter output was connected to the spectrum analyzer through an attenuator.
- 2. The bandwidth of the fundamental frequency was measured by spectrum analyzer with RBW=30 KHz and VBW=100KHz.

#### **TEST RESULTS**

Modulation type	Channel	Carrier Frequencies Separation (MHz)	Limit (MHz)	Result
GFSK	39	1.000	0.808	Pass
π/4DQPSK	39	1.000	0.763	Pass
8DPSK	39	1.000	0.777	Pass

Test plot as follows:

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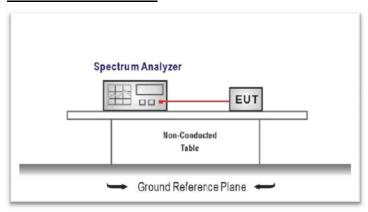
# 4.6. Hopping Channel Number

### **LIMIT**

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(1):

Frequency hopping systems in the 2400–2483.5 MHz band shall use at least 15 channels.

### **TEST CONFIGURATION**



# **TEST PROCEDURE**

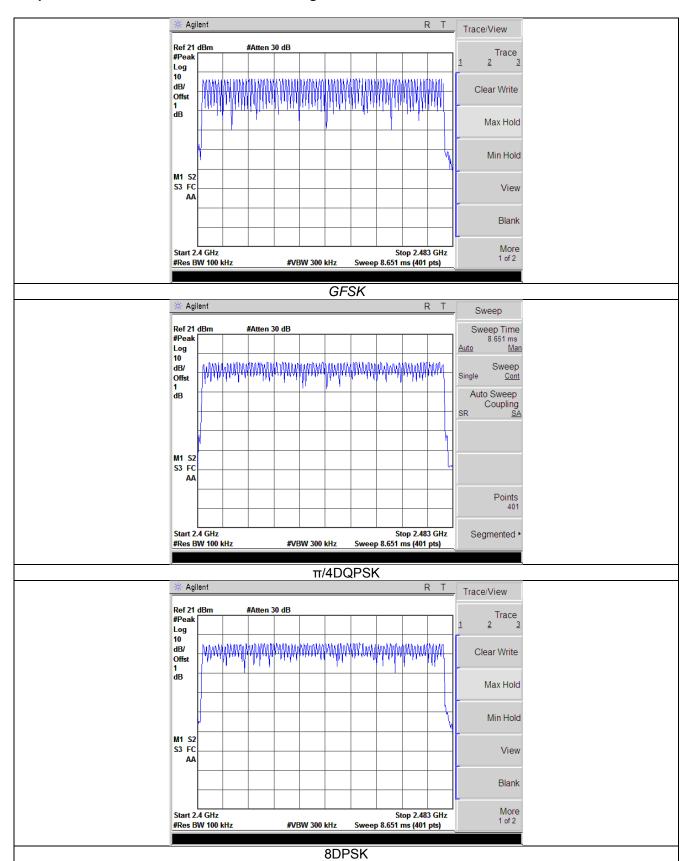
- 1. The transmitter output was connected to the spectrum analyzer through an attenuator.
- 2. The bandwidth of the fundamental frequency was measured by spectrum analyzer with RBW=100kHz and VBW=300kHz.

# **TEST RESULTS**

Modulation type	Channel number	Limit (MHz)	Result	
GFSK	79			
π/4DQPSK	79	15	Pass	
8DPSK	79			

Test plot as follows:

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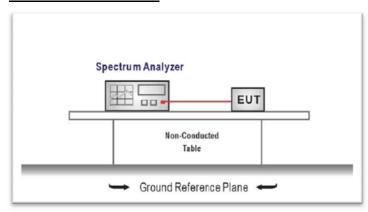
#### 4.7. Dwell Time

#### LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(1):

The average time of occupancy on any channel shall not be greater than 0.4 seconds within a pe-riod of 0.4 seconds multiplied by the number of hopping channels employed.

#### **TEST CONFIGURATION**



#### **TEST PROCEDURE**

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator.
- Set center frequency of spectrum analyzer=operating frequency with RBW=1MHz and VBW=1MHz,Span=0Hz.

### **TEST RESULTS**

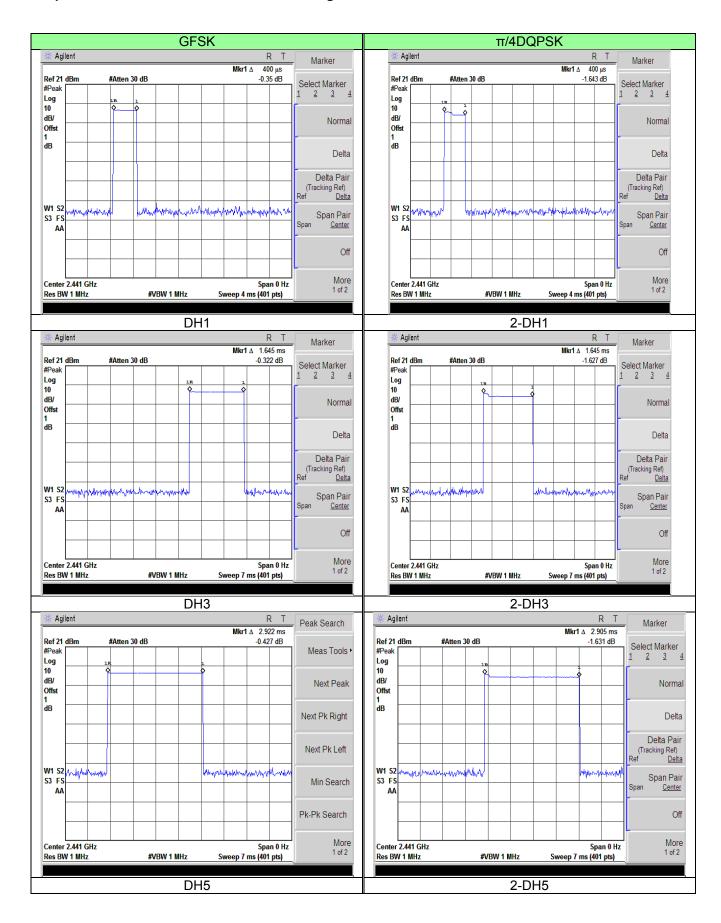
Modulation type	Channel	Channel Dwell time (Second)		Result	
	DH1	0.128			
GFSK	DH3	0.263	0.40	Pass	
	DH5	0.312	7		
	2-DH1	0.128			
π/4DQPSK	2-DH3	0.263	0.40	Pass	
	2-DH5	0.310			
8DPSK	3-DH1	0.128			
	3-DH3	0.259	0.40	Pass	
	3-DH5	0.286			

#### Note:

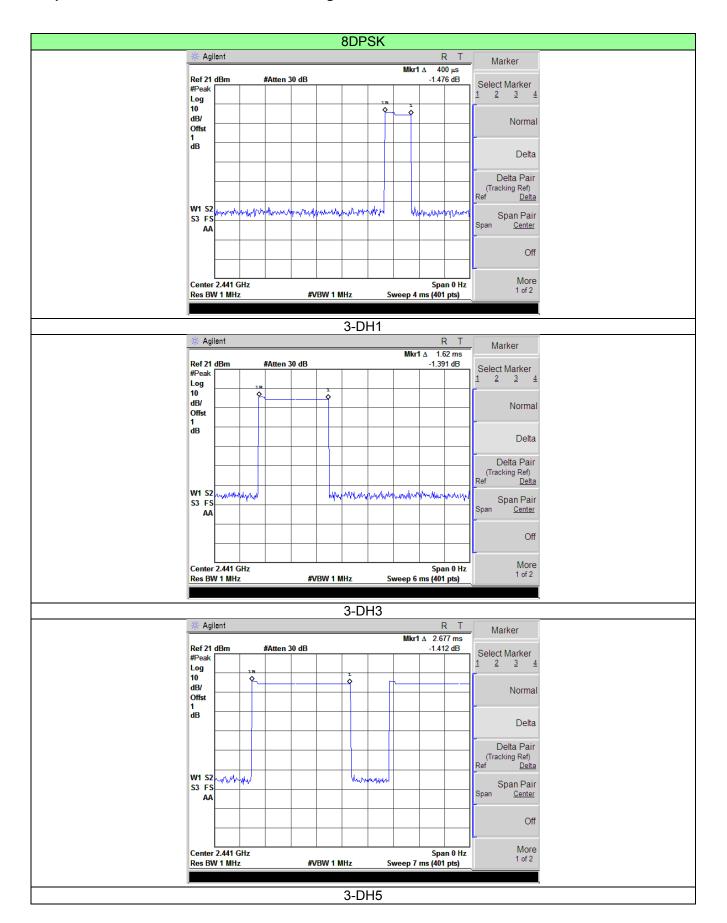
- We have tested all mode at high, middle and low channel, and recoreded worst case at middle channel.
- Dwell time=Pulse time (ms) × (1600 ÷ 2 ÷ 79) ×31.6 Second for DH1, 2-DH1, 3-DH1
   Dwell time=Pulse time (ms) × (1600 ÷ 4 ÷ 79) ×31.6 Second for DH3, 2-DH3, 3-DH3
   Dwell time=Pulse time (ms) × (1600 ÷ 6 ÷ 79) ×31.6 Second for DH5, 2-DH5, 3-DH5

Test plot as follows:

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# 4.8. Pseudorandom Frequency Hopping Sequence

#### LIMIT

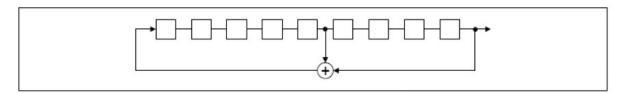
FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(1):

Frequency hopping systems shall have hopping channel carrier fre-quencies separated by a minimum of 25 kHz or the 20 dB bandwidth of the hop-ping channel, whichever is greater. Al-ternatively, frequency hopping systems operating in the 2400–2483.5 MHz band may have hopping channel carrier fre-quencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW. The system shall hop to channel frequencies that are selected at the system hopping rate from a pseudo ran-domly ordered list of hopping fre-quencies. Each frequency must be used equally on the average by each trans-mitter. The system receivers shall have input bandwidths that match the hop-ping channel bandwidths of their cor-responding transmitters and shall shift frequencies in synchronization with the transmitted signals.

#### **TEST RESULTS**

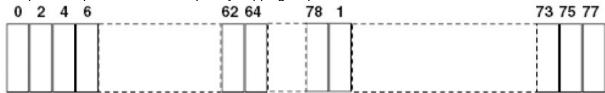
The pseudorandom frequency hopping sequence may be generated in a nice-stage shift register whose 5<sup>th</sup> and 9<sup>th</sup> stage outputs are added in a modulo-two addition stage. And the result is fed back to the input of the friststage. The sequence begins with the frist one of 9 consecutive ones, for example: 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 explame of pseudorandom frequency hopping sequence as follows:



Each frequency used equally one the average by each transmitter.

The system receiver have input bandwidths that match the hopping channel bandwidths of their corresponding transmitter and shift frequencies in synchronization with the transmitted signals.

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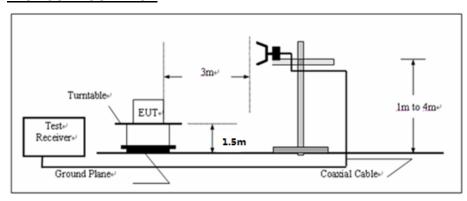
# 4.9. Restricted band (radiated)

#### LIMIT

FCC CFR Title 47 Part 15 Subpart C Section 15.209

Frequency	Limit (dBuV/m @3m)	Value
Above 1GHz	54.00	Average
	74.00	Peak

#### **TEST CONFIGURATION**



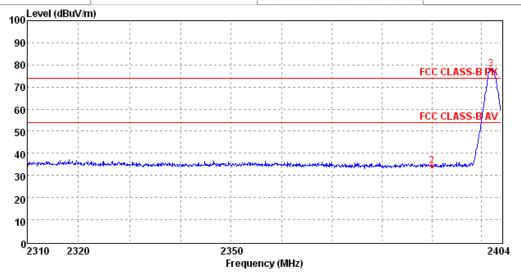
## **TEST PROCEDURE**

- 1. The EUT was setup according to ANSI C63.10:2013 for compliance to FCC 47CFR 15.247 requirements.
- 2. The EUT is placed on a turn table which is 0.8 meter above ground. The turn table is rotated360 degrees to determine the position of the maximum emission level.
- The EUT waspositioned such that the distance from antenna to the EUT was 3 meters.
- 4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. Thisis repeated for both horizontal and vertical polarization of the antenna. In order to find themaximum emission, all of the interface cables were manipulated according to ANSI C63.10:2013. on radiated measurement.
- The receiver set as follow: RBW=1MHz, VBW=3MHz for Peak value RBW=1MHz, VBW=10Hz for Average value.
- The frequency range from 2310MHz to 2483.5MHz harmonic is checked.

## **TEST RESULTS**

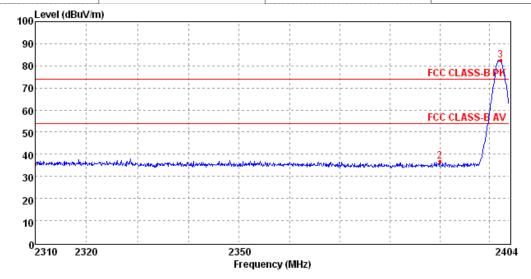
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Worst mode:	GFSK Modulation	Test Channel:	00
Deteccter:	Peak	Polarization:	Horizontal



Mark Frequency Reading Antenna Cable Preamp Le∨el dBuV/m Limit 0∨er Remark MHz dBuV/m dB dB dB dBuV/m limit 38.94 26.99 1 2310.00 6.68 37.51 35.10 74.00 -38.90 Peak 2390.04 37.79 2 27.23 6.81 37.57 34.26 74.00 -39.74 Peak 74.00 2401.89 81.63 27.27 6.83 37.58 78.15 4.15 Peak

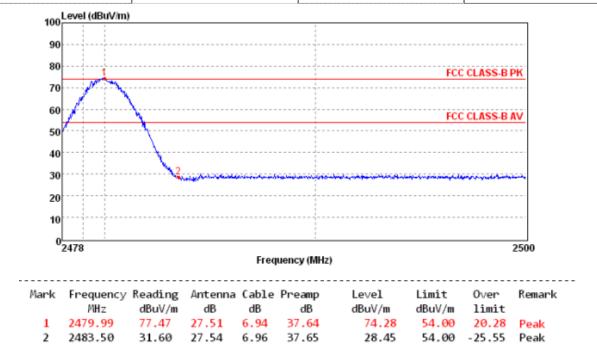
Worst mode:	GFSK Modulation	Test Channel:	00
Deteccter:	Peak	Polarization:	Vertical



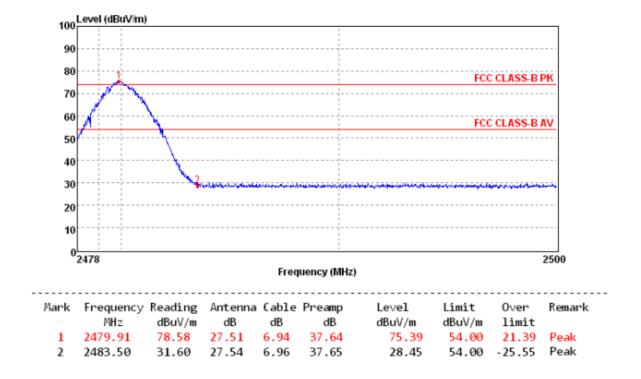
Ма	rk	Frequency MHz	_	Antenna dB		•	Le∨el dBuV/m	Limit dBuV/m	0∨er limit	Remark
	1	2310.00	39.56	26.99	6.68	37.51	35.72	74.00	-38.28	Peak
	2	2390.04	40.24	27.23	6.81	37.57	36.71	74.00	-37.29	Peak
	3	2402 28	85 92	27 27	6 83	37 58	82 44	74 00	8 44	Peak

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Worst mode:	GFSK Modulation	Test Channel:	78
Deteccter:	Peak	Polarization:	Horizontal



Worst mode:	GFSK Modulation	Test Channel:	78	
Deteccter:	Peak	Polarization:	Vertical	



Note: Have pre-scan all modulation mode, found the GFSK modulation which it was worst case, so only the worst case's data on the test report and the Peak Level result is lower than the AV limit, so the AV result is not require.

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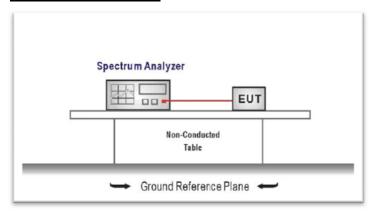
# 4.10. Bandedge and Spurious Emission (conducted)

### **LIMIT**

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (d):

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.

#### **TEST CONFIGURATION**



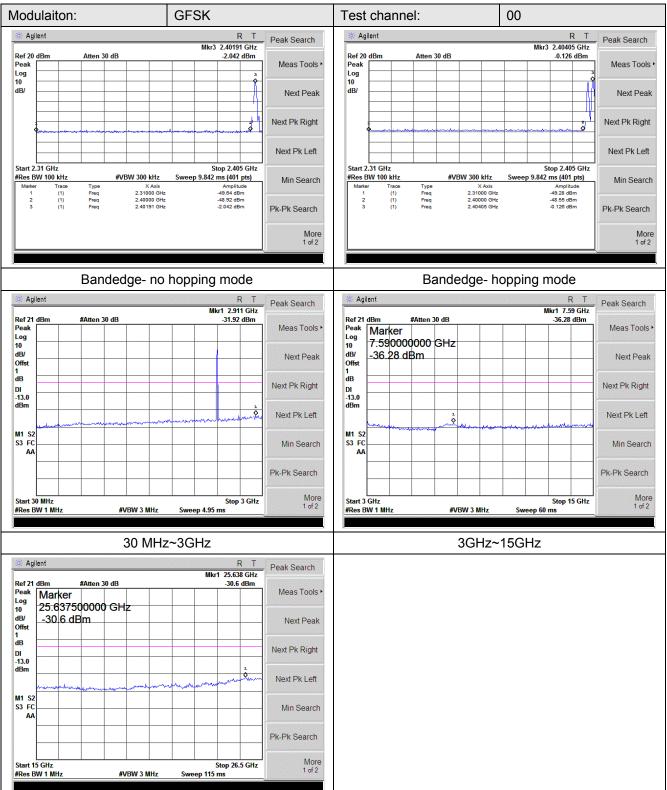
#### **TEST PROCEDURE**

- 1. The transmitter output was connected to the spectrum analyzer through an attenuator.
- 2. Conducted spurious emission the bandwidth of the fundamental frequency was measured by spectrum analyzer withRBW=100 KHz and VBW=300KHz.
- 3. Below -20dB of the highest emission level in operating band.

### **TEST RESULTS**

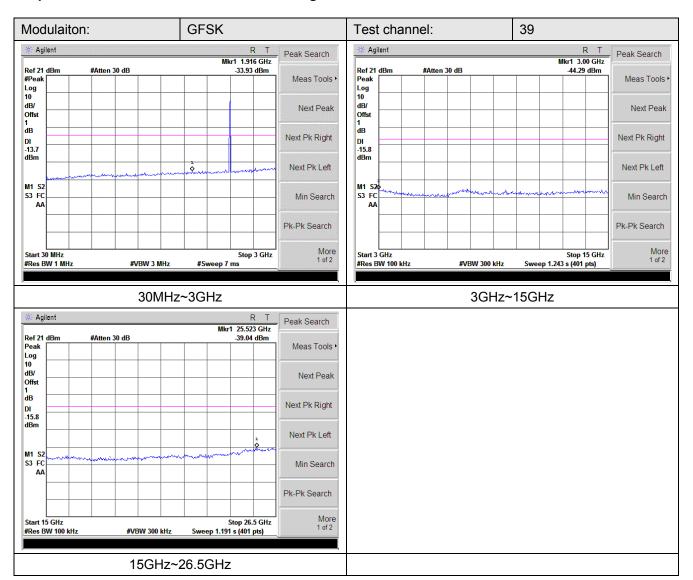
Test plot as follows:

Report No: TRE1509010702 Page: 33 of 49 Issued: 2015-10-20 Modulaiton: **GFSK** Test channel: 00 Agilent Agilent R T Peak Search Mkr3 2.40191 GHz Mkr3 2.40405 GHz



15GHz~26.5GHz

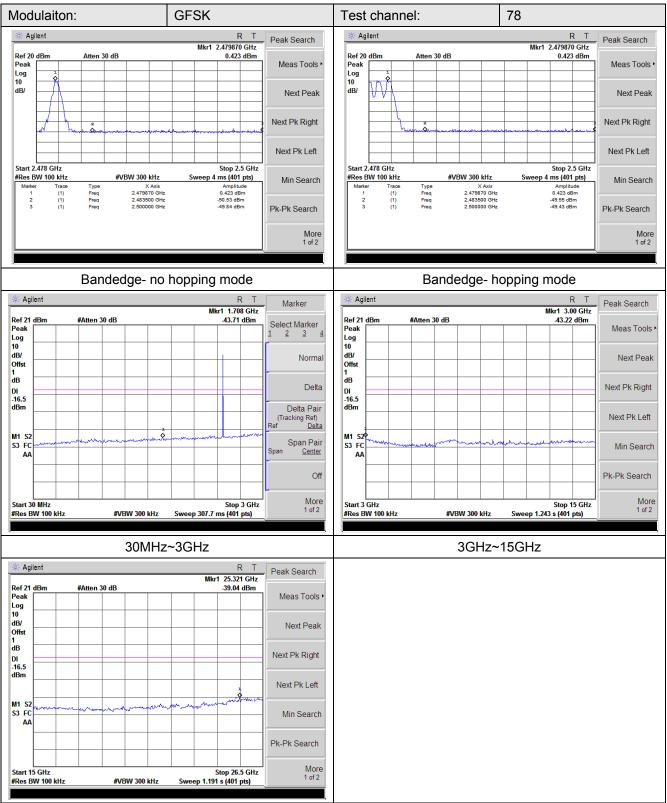
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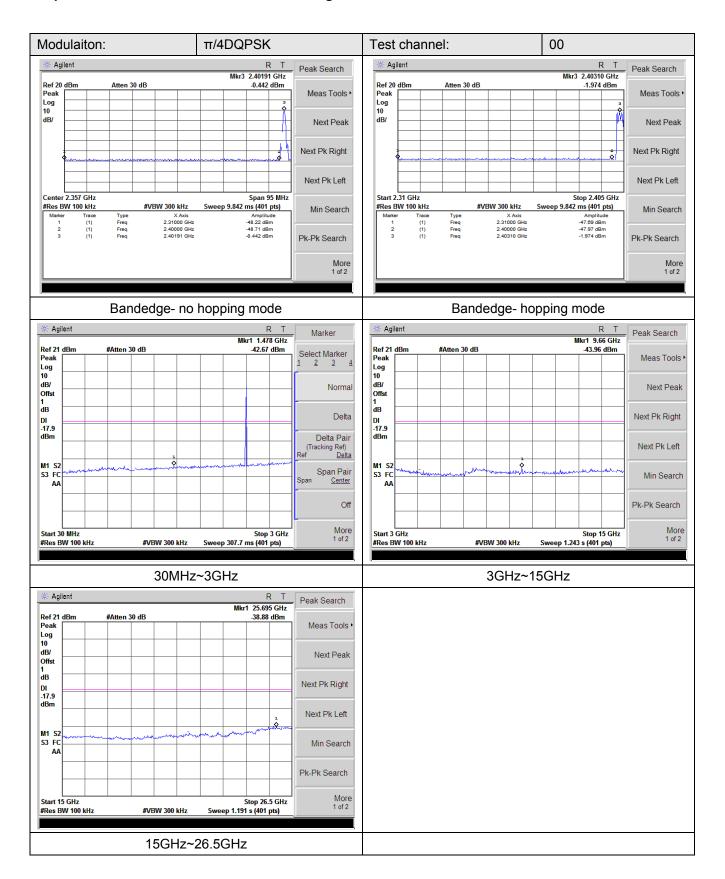
 Modulaiton:
 GFSK
 Test channel:
 78

 \*\* Agilent
 R T Peak Search
 \*\* Agilent
 R T Peak Search

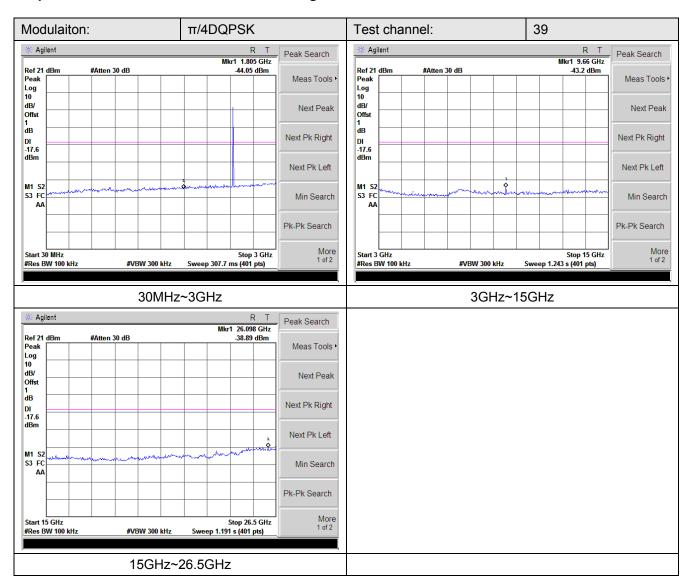


15GHz~26.5GHz

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TRE1509010702 Report No: Page: 38 of 49 Issued: 2015-10-20 Modulaiton: π/4DQPSK Test channel: 78 Agilent Agilent Peak Search Peak Search Mkr1 2.479815 GHz Mkr1 2.479815 GHz Ref 20 dBm Peak Ref 20 dBm Atten 30 dB -0.512 dBm Atten 30 dB -0.433 dBm Meas Tools Meas Tools Log 10 dB/ Log 10 dB/ Next Peak Next Peak Next Pk Right Next Pk Right Ž. å Next Pk Left Next Pk Left Start 2.478 GHz Stop 2.5 GHz Start 2.478 GHz Sweep 4 ms (401 pts)

Amplitude
-0.512 dBm
-49.37 dBm
-49.65 dBm #VBW 300 kHz #VBW 300 kHz #Res BW 100 kHz #Res BW 100 kHz Sweep 4 ms (401 pts) Min Search Min Search Amplitude -0.433 dBm -49.37 dBm -49.65 dBm X Axis 2.479815 GHz 2.483500 GHz 2.500000 GHz X Axis 2.479815 GHz 2.483500 GHz 2.500000 GHz Pk-Pk Search Pk-Pk Search More 1 of 2 More 1 of 2 Bandedge- no hopping mode Bandedge-hopping mode . Agilent # Agilent Marker Peak Search Mkr1 1.857 GHz Mkr1 9.66 GHz #Atten 30 dB #Atten 30 dB Ref 21 dBm 43.94 dBm Ref 21 dBm -44.04 dBm Select Marker Meas Tools • Log 10 dB/ Offst Log 10 dB/ Offst Normal Next Peak 1 dB dΒ Delta Next Pk Right DI -18.7 dBm DI -18.7 dBm Delta Pair (Tracking Ref) Ref <u>Delta</u> Next Pk Left M1 S2 M1 S2 ż Span Pair S3 FC AA S3 FC Min Search Span AA Off Pk-Pk Search More 1 of 2 Stop 3 GHz Sweep 307.7 ms (401 pts) More 1 of 2 Start 30 MHz #Res BW 100 kHz Start 3 GHz #Res BW 100 kHz Stop 15 GHz Sweep 1.243 s (401 pts) #VBW 300 kHz #VBW 300 kHz 30MHz~3GHz 3GHz~15GHz 🔆 Agilent Peak Search Mkr1 25.666 GHz -39.36 dBm #Atten 30 dB Meas Tools • Peak Log 10 dB/ Offst Next Peak dB Next Pk Right DI -18.7 dBm



TRE1509010702 Issued: 2015-10-20 Report No: Page: 39 of 49 Modulaiton: 8DPSK Test channel: 00 . Agilent Agilent Peak Search Trace/View Mkr3 2.40191 GHz Mkr3 2.40191 GHz 0.293 dBm Ref 20 dBm Atten 30 dB Atten 30 dB -0.629 dBm Trace Meas Tools Peak 2 Log 10 dB/ Log 10 dB/ Next Peak Clear Write 0 Q. Next Pk Right Max Hold Next Pk Left Min Hold Start 2.31 GHz Stop 2.405 GHz Start 2.31 GHz Stop 2.405 GHz Stop 2.403 Gn.
Sweep 9.842 ms (401 pts)

Amplitude

48.52 dBm

47.69 dBm

0.293 dBm #VBW 300 kHz

X Axis
2.31000 GHz
2.40000 GHz
2.40191 GHz Sweep 9.842 ms (401 pts) #VBW 300 kHz #Res BW 100 kHz #Res BW 100 kHz Marker Trace Min Search View X Axis 2.31000 GHz 2.40000 GHz 2.40191 GHz Amplitude -47.33 dBm -47.79 dBm -0.629 dBm Pk-Pk Search More 1 of 2 More 1 of 2 Bandedge- no hopping mode Bandedge-hopping mode # Agilent # Agilent Marker Peak Search Mkr1 1.834 GHz Mkr1 9.66 GHz #Atten 30 dB #Atten 30 dB Ref 21 dBm 42.99 dBm Ref 21 dBm -43.85 dBm Select Marker Meas Tools • Log 10 dB/ Offst Log 10 dB/ Offst Normal Next Peak 1 dB dΒ Delta Next Pk Right DI -18.2 dBm DI -18.2 dBm Delta Pair (Tracking Ref) Ref <u>Delta</u> Next Pk Left M1 S2 M1 S2 Ŷ. Span Pair S3 FC S3 FC Min Search Span AA Off Pk-Pk Search More 1 of 2 Stop 3 GHz Sweep 307.7 ms (401 pts) More 1 of 2 Start 30 MHz #Res BW 100 kHz Start 3 GHz #Res BW 100 kHz Stop 15 GHz Sweep 1.243 s (401 pts) #VBW 300 kHz #VBW 300 kHz 30MHz~3GHz 3GHz~15GHz 🔆 Agilent Peak Search Mkr1 26.471 GHz #Atten 30 dB -39.58 dBm Meas Tools • Peak Log 10 dB/ Offst Next Peak dB Next Pk Right DI -18.2 dBm Next Pk Left M1 S2 S3 FC AA Min Search

Pk-Pk Search

Stop 26.5 GHz

Sweep 1.191 s (401 pts)

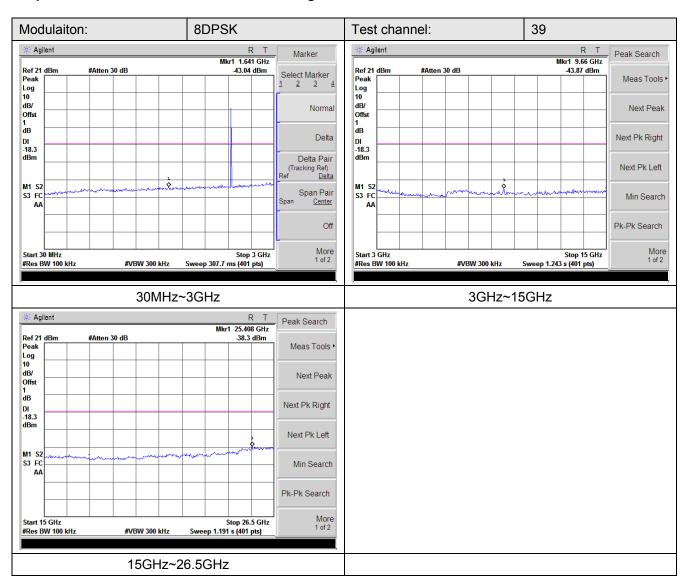
Start 15 GHz

#Res BW 100 kHz

#VBW 300 kHz

15GHz~26.5GHz

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TRE1509010702 Report No: Page: 41 of 49 Issued: 2015-10-20 Modulaiton: 8DPSK Test channel: 78 Agilent Agilent Peak Search Peak Search Mkr1 2.479815 GHz Mkr1 2.478220 GHz Ref 20 dBm Ref 20 dBm -1.213 dBm Atten 30 dB -0.644 dBm Atten 30 dB Meas Tools Meas Tools Peak Log 10 dB/ Log 10 dB/ VW Next Peak Next Peak Next Pk Right Next Pk Right Ô. Ô Next Pk Left Next Pk Left Start 2.478 GHz Stop 2.5 GHz Start 2.478 GHz Sweep 4 ms (401 pts)

Amplitude
-0.644 dBm
-48.25 dBm
-49.96 dBm #Res BW 100 kHz

Marker Trace
1 (1)
2 (1)
3 (1) #VBW 300 kHz #VBW 300 kHz #Res BW 100 kHz Sweep 4 ms (401 pts) Min Search Min Search Amplitude -1.213 dBm -48.62 dBm -48.67 dBm X Axis 2.479815 GHz 2.483500 GHz 2.500000 GHz X Axis 2.478220 GHz 2.483500 GHz 2.500000 GHz Pk-Pk Search Pk-Pk Search More 1 of 2 More 1 of 2 Bandedge- no hopping mode Bandedge-hopping mode . Agilent # Agilent Marker Peak Search Mkr1 1.946 GHz Mkr1 3.03 GHz #Atten 30 dB #Atten 30 dB Ref 21 dBm 42.91 dBm Ref 21 dBm -43.51 dBm Select Marker Meas Tools • Log 10 dB/ Offst Log 10 dB/ Offst Normal Next Peak 1 dB dΒ Delta Next Pk Right DI -18.7 dBm DI -18.7 dBm Delta Pair (Tracking Ref) Ref <u>Delta</u> Next Pk Left M1 S2 S3 FC AA M1 S2 S3 FC AA **\Q** Span Pair Min Search Span Off Pk-Pk Search More 1 of 2 Stop 3 GHz Sweep 307.7 ms (401 pts) More 1 of 2 Start 30 MHz #Res BW 100 kHz Start 3 GHz #Res BW 100 kHz Stop 15 GHz Sweep 1.243 s (401 pts) #VBW 300 kHz #VBW 300 kHz 30MHz~3GHz 3GHz~15GHz 🔆 Agilent Peak Search Mkr1 26.356 GHz -39.52 dBm #Atten 30 dB Meas Tools • Peak Log 10 dB/ Offst Next Peak dB Next Pk Right DI -18.7 dBm



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# 4.11. Spurious Emission (radiated)

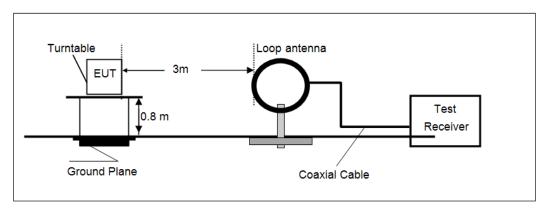
# **LIMIT**

FCC CFR Title 47 Part 15 Subpart C Section 15.209

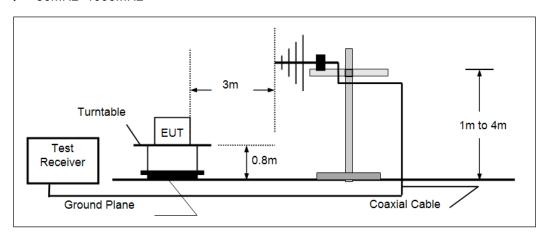
Frequency	Limit (dBuV/m @3m)	Value
30MHz-88MHz	40.00	Quasi-peak
88MHz-216MHz	43.50	Quasi-peak
216MHz-960MHz	46.00	Quasi-peak
960MHz-1GHz	54.00	Quasi-peak
Above 1GHz	54.00	Average
	74.00	Peak

# **TEST CONFIGURATION**

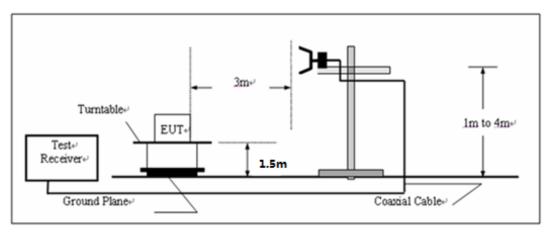
## ♦ Below 30MHz



# ◆ 30MHz~1000MHz



# ♦ Above 1GHz



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## **TEST PROCEDURE**

1. The EUT was placed on the top of a rotating table 0.8 meters above the groundat a 3 meter camber. The table was rotated 360 degrees todetermine the position of the highest radiation.

- 2. The EUT was set 3 meters away from the interference-receiving antenna, whichwas mounted on the top of a variable-height antenna tower.
- 3. 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.
- 4. For each suspected emission, the EUT was arranged to its worst case and thenthe antenna was tuned to heights from 1 meter to 4 meters and the rotatablewas turned from 0 degrees to 360 degrees to find the maximum reading.
- 5. Use the following spectrum analyzer settings
  - a) Span shall wide enough to fully capture the emission being measured;
  - b) Below 1GHz, RBW=120KHz, VBW=300KHz, Sweep=auto, Detector function=peak, Trace=max hold; If the emission level of the EUT measured by the peak detectoris 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, theemission measurement will be repeated using the quasi-peak detector and reported.
  - c) Above 1GHz, RBW=1MHz, VBW=3MHz for Peak value RBW=1MHz, VBW=10Hz for Average value.

## **TEST RESULTS**

#### Noted:

Have pre-scan all modulation mode, found the GFSK modulation which it was worst case, so only the worst case's data on the test report.

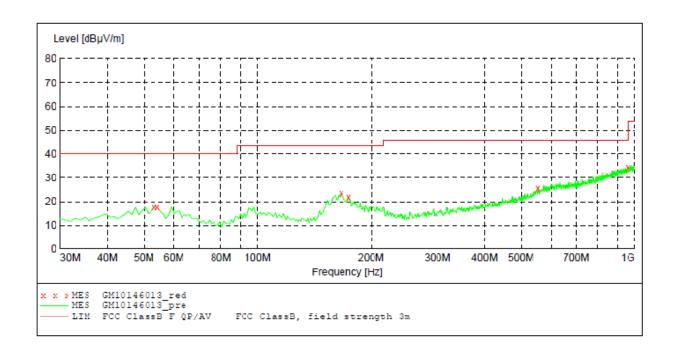
#### Measurement data:

#### ■ 9kHz ~ 30MHz

The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line per 15.31(o) was not reported.

■ 30MHz ~ 1GHz

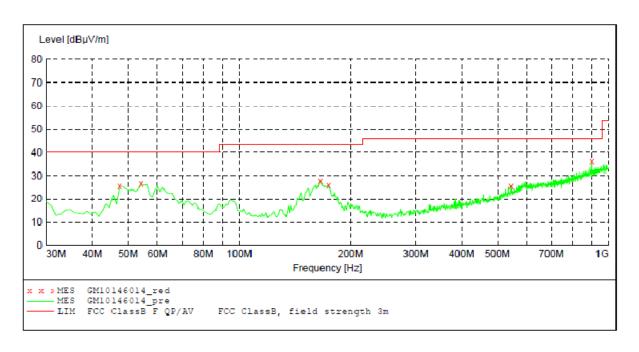
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# MEASUREMENT RESULT: "GM10146013\_red"

10/14/2015 10 Frequency MHz			Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
53.280000	17.70	-14.5	40.0	22.3	QP	300.0	137.00	HORIZONTAL
54.250000	17.80	-14.6	40.0	22.2	QP	300.0	101.00	HORIZONTAL
166.770000	23.50	-16.7	43.5	20.0	QP	300.0	137.00	HORIZONTAL
174.530000	22.00	-16.2	43.5	21.5	QP	300.0	137.00	HORIZONTAL
554.770000	25.70	-4.6	46.0	20.3	QP	100.0	28.00	HORIZONTAL
957.320000	34.20	3.8	46.0	11.8	OP	300.0	229.00	HORIZONTAL

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# MEASUREMENT RESULT: "GM10146014\_red"

10/14/2015 10	37AM							
Frequency MHz	Level dBµV/m				Det.	Height cm	Azimuth deg	Polarization
47.460000	25.70	-14.5	40.0	14.3	QP	100.0	237.00	VERTICAL
54.250000	26.50	-14.6	40.0	13.5	QP	100.0	52.00	VERTICAL
165.800000	27.90	-16.8	43.5	15.6	QP	100.0	104.00	VERTICAL
174.530000	26.00	-16.2	43.5	17.5	QP	100.0	87.00	VERTICAL
544.100000	25.70	-5.1	46.0	20.3	QP	100.0	87.00	VERTICAL
900.090000	36.40	2.7	46.0	9.6	OP	100.0	144.00	VERTICAL

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# ■ Above 1GHz

	CH00 for GFSK								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
4804.00	39.02	31.28	5.66	35.29	40.67	74.00	-33.33	Vertical	
7206.00	35.60	36.22	6.87	35.15	43.54	74.00	-30.46	Vertical	
9608.00	36.75	37.85	8.80	35.55	47.85	74.00	-26.15	Vertical	
12010.00	*							Vertical	Peak
4804.00	39.87	31.28	5.66	35.29	41.52	74.00	-32.48	Horizontal	reak
7206.00	36.14	36.22	6.87	35.15	44.08	74.00	-29.92	Horizontal	
9608.00	36.84	37.85	8.80	35.55	47.94	74.00	-26.06	Horizontal	
12010.00	*							Horizontal	
4804.00	32.93	31.28	5.66	35.29	34.58	54.00	-19.42	Vertical	
7206.00	30.00	36.22	6.87	35.15	37.94	54.00	-16.06	Vertical	
9608.00	28.33	37.85	8.80	35.55	39.43	54.00	-14.57	Vertical	
12010.00	*							Vertical	Average
4804.00	32.60	31.28	5.66	35.29	34.25	54.00	-19.75	Horizontal	Average
7206.00	29.92	36.22	6.87	35.15	37.86	54.00	-16.14	Horizontal	
9608.00	28.37	37.85	8.80	35.55	39.47	54.00	-14.53	Horizontal	
12010.00	*							Horizontal	

	CH39 for GFSK								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
4882.00	39.03	30.88	5.70	35.27	40.34	74.00	-33.66	Vertical	
7323.00	36.15	35.82	6.91	35.13	43.75	74.00	-30.25	Vertical	
9764.00	37.30	37.45	8.84	35.53	48.06	74.00	-25.94	Vertical	
12205.00	*							Vertical	Peak
4882.00	39.94	30.88	5.70	35.27	41.25	74.00	-32.75	Horizontal	Peak
7323.00	35.87	35.82	6.91	35.13	43.47	74.00	-30.53	Horizontal	
9764.00	37.18	37.45	8.84	35.53	47.94	74.00	-26.06	Horizontal	
12205.00	*							Horizontal	
4882.00	33.44	30.88	5.70	35.27	34.75	54.00	-19.25	Vertical	
7323.00	30.24	35.82	6.91	35.13	37.84	54.00	-16.16	Vertical	
9764.00	28.49	37.45	8.84	35.53	39.25	54.00	-14.75	Vertical	
12205.00	*							Vertical	Average
4882.00	33.38	30.88	5.70	35.27	34.69	54.00	-19.31	Horizontal	Average
7323.00	29.92	35.82	6.91	35.13	37.52	54.00	-16.48	Horizontal	
9764.00	29.10	37.45	8.84	35.53	39.86	54.00	-14.14	Horizontal	
12205.00	*							Horizontal	

## Remark:

- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.

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	CH78 for GFSK								
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit Line (dBuV/m)	Margin Limit (dB)	Polarization	Test value
4960.00	39.47	30.98	5.73	35.32	40.86	74.00	-33.14	Vertical	
7440.00	36.26	35.92	6.94	35.18	43.94	74.00	-30.06	Vertical	
9920.00	37.91	37.55	8.87	35.58	48.75	74.00	-25.25	Vertical	
12400.00	*							Vertical	Dook
4960.00	39.63	30.98	5.73	35.32	41.02	74.00	-32.98	Horizontal	Peak
7440.00	35.97	35.92	6.94	35.18	43.65	74.00	-30.35	Horizontal	
9920.00	37.90	37.55	8.87	35.58	48.74	74.00	-25.26	Horizontal	
12400.00	*							Horizontal	
4960.00	33.13	30.98	5.73	35.32	34.52	54.00	-19.48	Vertical	
7440.00	29.75	35.92	6.94	35.18	37.43	54.00	-16.57	Vertical	
9920.00	28.80	37.55	8.87	35.58	39.64	54.00	-14.36	Vertical	
12400.00	*							Vertical	Average
4960.00	33.26	30.98	5.73	35.32	34.65	54.00	-19.35	Horizontal	Average
7440.00	29.06	35.92	6.94	35.18	36.74	54.00	-17.26	Horizontal	
9920.00	29.14	37.55	8.87	35.58	39.98	54.00	-14.02	Horizontal	
12400.00	*							Horizontal	

#### Remark.

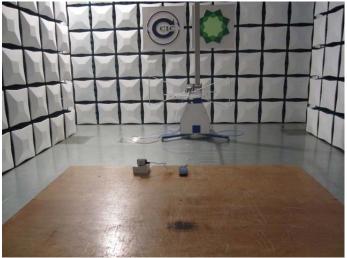
- 1. Final Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "\*", means this data is the too weak instrument of signal is unable to test.
- 3. The emission levels of other frequencies are very lower than the limit and not show in test report.

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# 5. Test Setup Photos of the EUT

Radiated Emission





Conducted Emission (AC Mains)



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# 6. External and Internal Photos of the EUT

Reference to Test Report TRE	1509010701
	End of Report