



FCC REPORT

Report Reference No:	TRE1511007601 R/C
FCC ID:	2ABOSGCSKYFUEGO50D
Applicant's name:	Sky Phone LLC
Address	1348 Washington Av. #350, Miami Beach FL. 33139
Manufacturer	DongGuan Tenexon Communication Technology Co., Ltd.
Address	L1 - L3, Block A, Building B, KeYuan 9th Road No. 1, Tangxia Town, Dongguan City ,Guangdong China.
Test item description:	Smart Phone
Trade Mark	SKY
Model/Type reference:	Fuego 5.0D
Listed Model(s)	W509
Standard:	FCC Part 22: PUBLIC MOBILE SERVICES FCC Part 24: PERSONAL COMMUNICATIONS SERVICES
Date of receipt of test sample:	Nov. 16, 2015
Date of testing	Nov. 17, 2015 ~ Nov. 27, 2015
Date of issue	Nov. 28, 2015
Result	Pass
Compiled by (position+printed name+signature):	File administrators Candy Liu
Supervised by (position+printed name+signature):	Project Engineer Lion Cai
Approved by (position+printed name+signature):	Manager Hans Hu
Testing Laboratory Name :	Shenzhen Huatongwei International Inspection Co., Ltd
Address	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China
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The test report merely corresponds to the test sample. It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

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1. TEST STANDARDS AND TEST DESCRIPTION

1.1. Test Standards

The tests were performed according to following standards:

FCC Part 22 (10-1-13 Edition): PRIVATE LAND MOBILE RADIO SERVICES.

FCC Part 24(10-1-13 Edition): PUBLIC MOBILE SERVICES

TIA/EIA 603 D June 2010: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

47 CFR FCC Part 15 Subpart B: - Unintentional Radiators

FCC Part 2: FREQUENCY ALLOCA-TIONS AND RADIO TREATY MAT-TERS; GENERAL RULES AND REG-ULATIONS

<u>KDB971168 v02r02:2014-10-17</u> Procedures for Compliance Measurement of the Fundamental Emission Power of Licensed Wideband (> 1 MHz) Digital Transmission Systems

ANSI C63.4:2014 Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz

1.2. Test Description

Test Item	Section in CFR 47	Result
AC Power Conducted Emission	Part 15.207	Pass
RF Output Power	Part 2.1046 Part 22.913 (a)(2) Part 24.232 (c)	Pass
Modulation Characteristics	Part 2.1047	Pass
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917 Part 24.238	Pass
Spurious Emissions at Antenna Terminal	Part 2.1051 Part 22.917 (a) Part 24.238 (a)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a)	Pass
Out of band emission, Band Edge	Part 22.917 (a) Part 24.238 (a)	Pass
Frequency stability vs. temperature	Part 2.1055(a)(1)(b)	Pass
Frequency stability vs. voltage	Part 2.1055(d)(1)(2)	Pass
Peak-Average Ratio	Part 24.232 (d)	Pass

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

2. SUMMARY

2.1. Client Information

Applicant:	Sky Phone LLC	
Address:	1348 Washington Av. #350, Miami Beach FL. 33139	
Manufacturer: DongGuan Tenexon Communication Technology Co., Ltd.		
Address:	L1 - L3, Block A, Building B, KeYuan 9th Road No. 1, Tangxia Town, Dongguan City ,Guangdong China.	

2.2. Product Description

Name of EUT	Smart Phone
Trade Mark:	SKY
Model No.:	Fuego 5.0D
Listed Model(s):	W509
IMEI1:	358228054952654
IMEI2:	358228054958748
Power supply:	DC 3.8V From internal battery
Adapter information:	Model:Fuego 5.0D Input:AC 100-240V 50/60Hz 0.2A Output: 5Vd.c., 1.0A
2G:	
Support Network:	GSM, GPRS, EGPRS
Support Band:	GSM850, DCS1900
Modulation:	GSM/GPRS: GMSK EGPRS: GMSK
Transmit Frequency:	GSM850: 824.20MHz-848.80MHz PCS1900: 1850.20MHz-1909.80MHz
Receive Frequency:	GSM850: 869.20MHz-893.80MHz PCS1900: 1930.20MHz-1989.80MHz
GPRS Class:	12
EGPRS Class:	12
Antenna type:	Intergal Antenna
Antenna gain:	GSM850:1.0dBi PCS1900:1.0dBi
Hardware version:	FS706-MB-V0.1
Software version:	zh988_d10_trx_l402_fwvga_64g8g_R08_20151209_release.tar.gz
3G:	
Operation Band:	FDD Band II and FDD Band V
Power Class:	Power Class 3
Modilation Type:	QPSK for WCDMA/HSUPA/HSDPA
WCDMA Release Version:	Release 7
HSDPA Release Version:	Category 14
HSUPA Release Version:	Category 6
DC-HSUPA Release Version:	Not Supported

Antenna type:	Intergal Antenna
Antenna gain:	Band II:1.0, Band V: 1.0dBi

Remark: Test model and list model are not different, except model name.

Test Frequency:

GSM 850		PCS1900	
Channel Frequency (MHz)		Channel Frequency (MHz	
128	824.20	512	1850.20
190	836.60	661	1880.00
251	848.80	810	1909.80

FDD Band II		FDD Band V	
Channel	Channel Frequency (MHz)		Frequency (MHz)
9262	1852.4	4132	826.40
9400	1880.0	4183	836.60
9538	1907.6	4233	846.60

2.3. EUT operation mode

1. The EUT has been tested under typical operating condition. The Applicant provides software to control the EUT for staying in continous transmitting and receiving mode for testing.

2.All the tests are performed at each SIM card mode, the datum recorded is the worst case for all the mode at SIM1 Card mode.

2.4. EUT configuration

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

supplied by the manufacturer

 $\odot\,$ - supplied by the lab

	Length (m) :	/
	Shield :	/
	Detachable :	/
M	anufacturer :	/
	Model No. :	/

2.5. Modifications

No modifications were implemented to meet testing criteria.

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Laboratory:Shenzhen Huatongwei International Inspection Co., Ltd. Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, 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/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Labo

ratories, Date of Registration: February 28, 2015. Valid time is until February 27, 2018.

A2LA-Lab Cert. No. 3902.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for tec hnical 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 progra m requirements in the identified field of testing. Valid time is until December 31, 2016.

FCC-Registration No.: 317478

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 FC C is maintained in our files. Registration 317478, Renewal date Jul. 18, 2014, valid time is until Jul. 18, 2017.

IC-Registration No.: 5377A&5377B

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.

Two 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. 5377B on Dec.03, 2014, valid time is until Dec.03, 2017.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Aust ralian 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. h as 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 R egistration 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 D NV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Di rectives 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 D NV Laboratory Quality Manual towards subcontractors. Valid time is until Aug. 24, 2016.

3.3. Environmental conditions

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

Normal Temperature/Tnor:	15~35°C
lative Humidity	30~60 %
Air Pressure	950-1050 hPa

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 compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurement 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 Huatongwei laboratory is reported:

Test Items	Measurement Uncertainty	Notes
Frequency stability	25 Hz	(1)
Transmitter power conducted	0.57 dB	(1)
Transmitter power Radiated	2.20 dB	(1)
Conducted spurious emission 9KHz-12.75 GHz	1.60 dB	(1)
Conducted Emission 9KHz-30MHz	3.39 dB	(1)
Radiated Emission 30~1000MHz	4.24 dB	(1)
Radiated Emissio 1~18GHz	5.16 dB	(1)
Radiated Emissio 18-40GHz	5.54 dB	(1)
Occupied Bandwidth		(1)
Emission Mask		(1)
Modulation Characteristic		(1)
Transmitter Frequency Behavior		(1)

 This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

3.5. Equipments Used during the Test

AC Po	AC Power Conducted Emission					
No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	
1	Artificial Mains	Rohde&Schwarz	ESH2-Z5	100028	2015/11/2	
2	EMI Test Receiver	Rohde&Schwarz	ESCS 30	100038	2015/11/2	
3	Pulse Limiter	Rohde&Schwarz	ESHSZ2	100044	2015/11/2	
4	EMI Test Software	Rohde&Schwarz	ES-K1 V1.71	N/A	N/	
5	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2015/11/2	

Output Power(Conducted) & Occupied Bandwidth & Emission Bandwidth & Band Edge Compliance & Conducted Spurious Emission

No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2015/11/2
2	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2015/11/2
3	Splitter	Mini-Circuit	ZAPD-4	400059	2015/11/2

Freque	Frequency Stability									
No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.					
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2015/11/2					
2	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2015/11/2					
3	Climate Chamber	ESPEC	EL-10KA	05107008	2015/11/2					
4	Splitter	Mini-Circuit	ZAPD-4	400059	2015/11/2					

Output Power (Radiated) & Radiated Spurious Emission								
No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.			
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2015/11/2			
2	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2015/11/2			
3	HORN ANTENNA	ShwarzBeck	9120D	1012	2015/11/2			
4	HORN ANTENNA	ShwarzBeck	9120D	1011	2015/11/2			
5	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	2015/11/2			
6	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	539	2015/11/2			
7	TURNTABLE	MATURO	TT2.0		N/A			
8	ANTENNA MAST	MATURO	TAM-4.0-P		N/A			
9	EMI Test Software	Audix	E3	N/A	N/A			
10	EMI Test Receiver	Rohde&Schwarz	ESIB 26	100009	2015/11/2			
11	RF Test Panel	Rohde&Schwarz	TS / RSP	335015/ 0017	2015/11/2			
12	High pass filter	Compliance Direction systems	BSU-6	34202	2015/11/2			
13	Splitter	Mini-Circuit	ZAPD-4	400059	2015/11/2			
14	Horn Antenna	SCHWARZBECK	BBHA9170	25841	2015/11/2			
15	Horn Antenna	SCHWARZBECK	BBHA9170	25842	2015/11/2			
16	Preamplifier	ShwarzBeck	BBV 9718	BBV 9718	2015/11/2			
17	Broadband Preamplifier	ShwarzBeck	BBV743	9743-0079	2015/11/2			
18	Signal Generator	Rohde&Schwarz	SMF100A	101932	2015/11/2			
19	Amplifer	Compliance Direction systems	PAP1-4060	120	2015/11/2			
20	TURNTABLE	ETS	2088	2149	2015/11/2			
21	ANTENNA MAST	ETS	2075	2346	2015/11/2			
22	HORN ANTENNA	Rohde&Schwarz	HF906	100068	2015/11/2			
23	HORN ANTENNA	Rohde&Schwarz	HF906	100039	2015/11/2			

The calibration interval was one year.

4. TEST CONDITIONS AND RESULTS

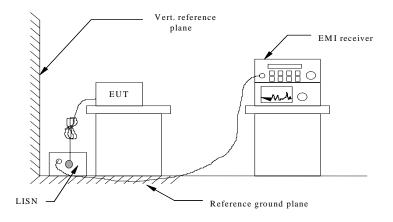
4.1. Conducted Emissions Test

LIMIT:

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

* Decreasing linearly with the logarithm of the frequency

TEST CONFIGURATION

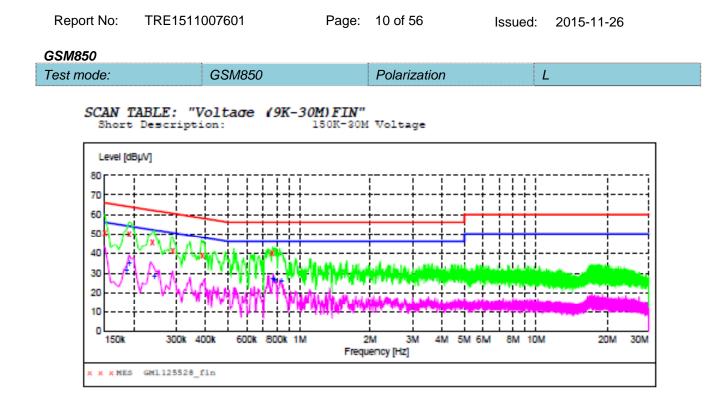


TEST PROCEDURE

- 1 The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. The EUT is a tabletop system; a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.4-2014.
- 2 Support equipment, if needed, was placed as per ANSI C63.4-2014.
- 3 All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4-2014.
- 4 If a EUT received DC power from the adapter, the adapter received AC120V/60Hz power through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5 All support equipments received AC power from a second LISN, if any.
- 6 The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7 Analyzer / Receiver scanned from 150 KHz to 30MHz for emissions in each of the test modes.
- 8 During the above scans, the emissions were maximized by cable manipulation.

TEST RESULTS

Note: We tested all modes and recorded the worst case at GSM900



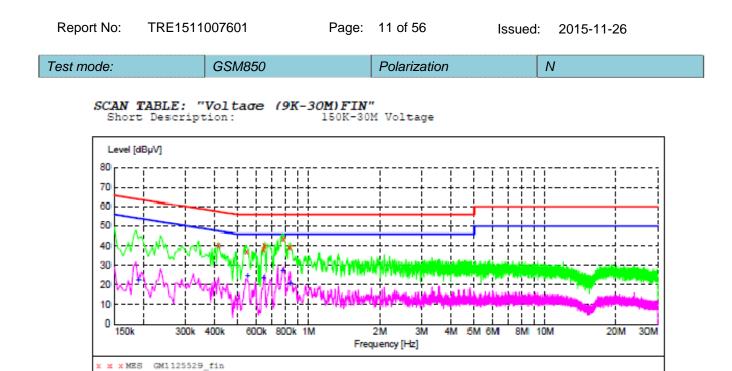
MEASUREMENT RESULT: "GM1125528 fin"

11/25/2015 3:48PM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.150000	50.50	10.2	66	15.5	QP	Ll	GND
0.190500	49.70	10.2	64	14.3	QP	L1	GND
0.240000	45.70	10.2	62	16.4	QP	L1	GND
0.289500	41.00	10.2	61	19.5	QP	L1	GND
0.388500	38.60	10.2	58	19.5	QP	L1	GND
0.762000	39.60	10.2	56	16.4	QP	L1	GND

MEASUREMENT RESULT: "GM1125528 fin2"

11/25/2015 3:48PM Frequency Level Transd Limit Margin Detector Line PE MHz dBµV dB dBµV dB 54 54 52 0.186000 31.90 10.2 0.190500 34.80 10.2 0.244500 28.90 10.2 22.3 AV GND L1 19.2 AV L1GND 23.0 AV L1 GND 0.766500 27.20 10.2 46 0.775500 27.10 10.2 46 0.834000 26.10 10.2 46 18.8 AV L1 GND 18.9 AV 19.9 AV GND L1 L1GND



MEASUREMENT RESULT: "GM1125529 fin"

11/25/2015 3:55PM

Frequency MHz	Level dBµV		Limit dBµV	Margin dB	Detector	Line	PE
0.415500	40.10	10.2	58	17.4	QP	N	GND
0.546000	37.00	10.2	56	19.0	QP	N	GND
0.640500	38.40	10.2	56	17.6	QP	N	GND
0.645000	40.60	10.2	56	15.4	QP	N	GND
0.780000	43.90	10.2	56	12.1	QP	N	GND
0.829500	39.30	10.2	56	16.7	QP	N	GND

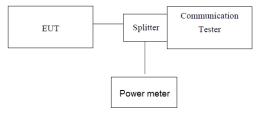
MEASUREMENT RESULT: "GM1125529 fin2"

11/25/2015 3:55PM

Frequency MHz		Transd dB		Margin dB	Detector	Line	PE
0.190500	22.60	10.2	54	31.4	AV	N	GND
0.550500	24.80	10.2	46	21.2	AV	N	GND
0.640500	24.00	10.2	46	22.0	AV	N	GND
0.775500	27.80	10.2	46	18.2	AV	N	GND
0.834000	20.90	10.2	46	25.1	AV	N	GND

4.2. Conducted Peak Output Power

TEST CONFIGURATION



Note: Measurement setup for testing on Antenna connector

TEST PROCEDURE

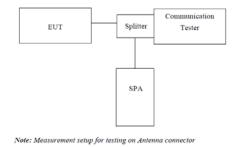
- 1. The transmitter output port was connected to base station.
- 2. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement.
- 3. Set EUT at maximum power through base station.
- 4. Select lowest, middle, and highest channels for each band and different modulation.
- 5. Measure the maximum burst average power.

TEST RESULTS

EUT Mode	Channel	Frequency (MHz)	Power (dBm)
	128	824.20	32.87
GSM 850 (GMSK)	190	836.60	32.98
	251	848.80	33.08
	128	824.20	32.85
GPRS850 (GMSK,1Slot)	190	836.60	33.01
	251	848.80	33.10
50550000	128	824.20	32.90
EGPRS850 (GMSK,1Slot)	190	836.60	32.98
(GMSR, 15101)	251	848.80	33.09
	512	1850.20	30.09
PCS1900 (GMSK)	661	1880.00	30.04
(Cimory)	810	1909.80	30.01
	512	1850.20	30.10
GPRS1900 (GMSK,1Slot)	661	1880.00	30.06
	810	1909.80	29.98
50000000	512	1850.20	30.08
EGPRS1900 (GMSK,1Slot)	661	1880.00	30.03
(UMBR, 10101)	810	1909.80	29.98
	9262	1852.40	20.90
WCDMA Band II	9400	1880.00	20.97
	9538	1907.60	20.95
	4132	826.40	22.40
WCDMA Band V	4183	836.60	22.37
	4233	846.60	22.30

4.3. Occupy Bandwidth

TEST CONFIGURATION



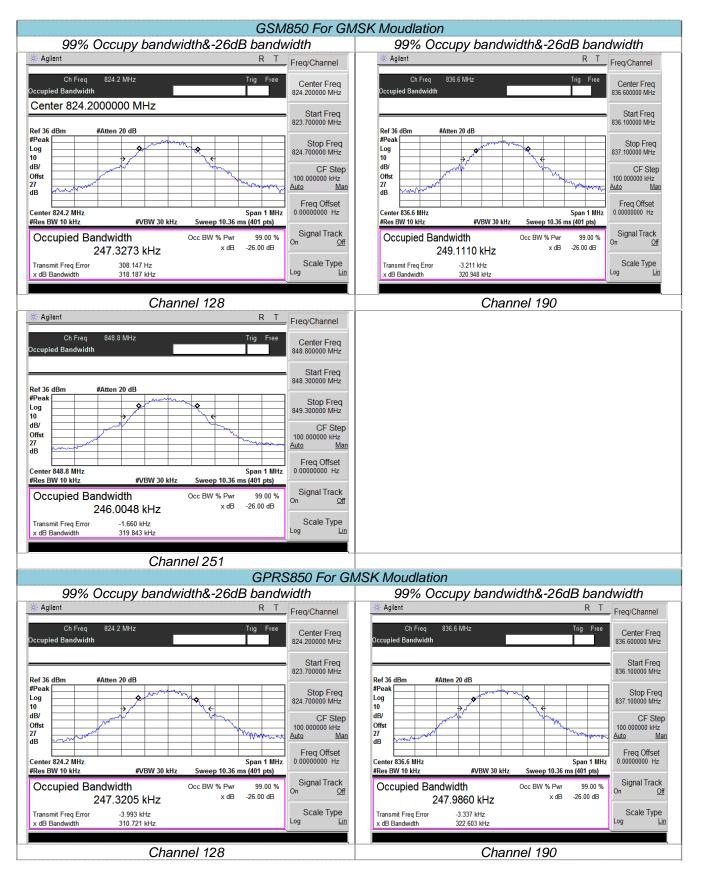
TEST PROCEDURE

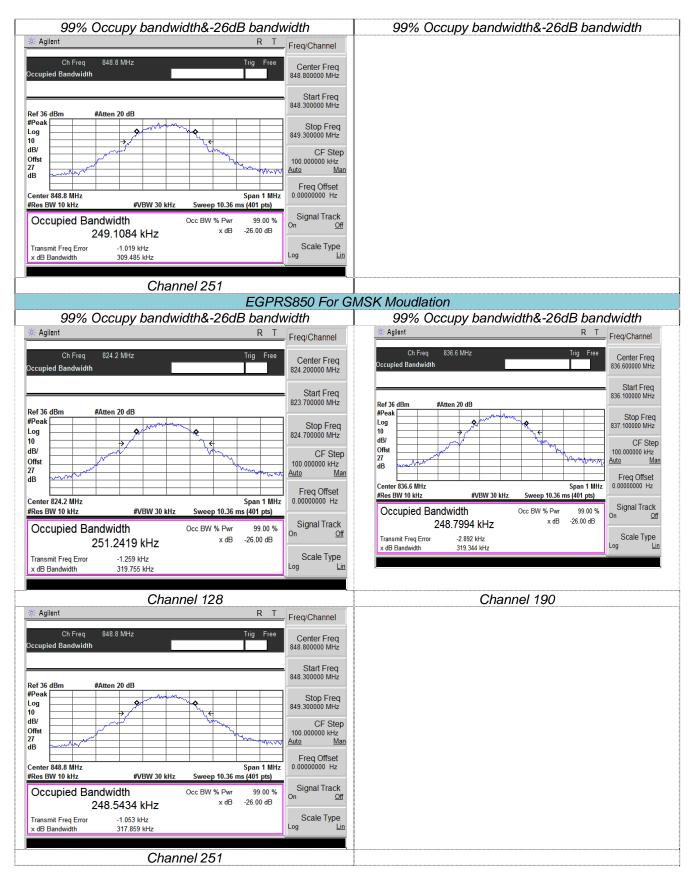
- 1. The EUT's output RF connector was connected with a short cable to the spectrum analyzer
- 2. RBW was set to about 1% of emission BW, VBW= 3 times RBW.
- 3. -26dBc display line was placed on the screen (or 99% bandwidth), the occupied bandwidth is the delta frequency between the two points where the display line intersects the signal trace.

TEST RESULTS

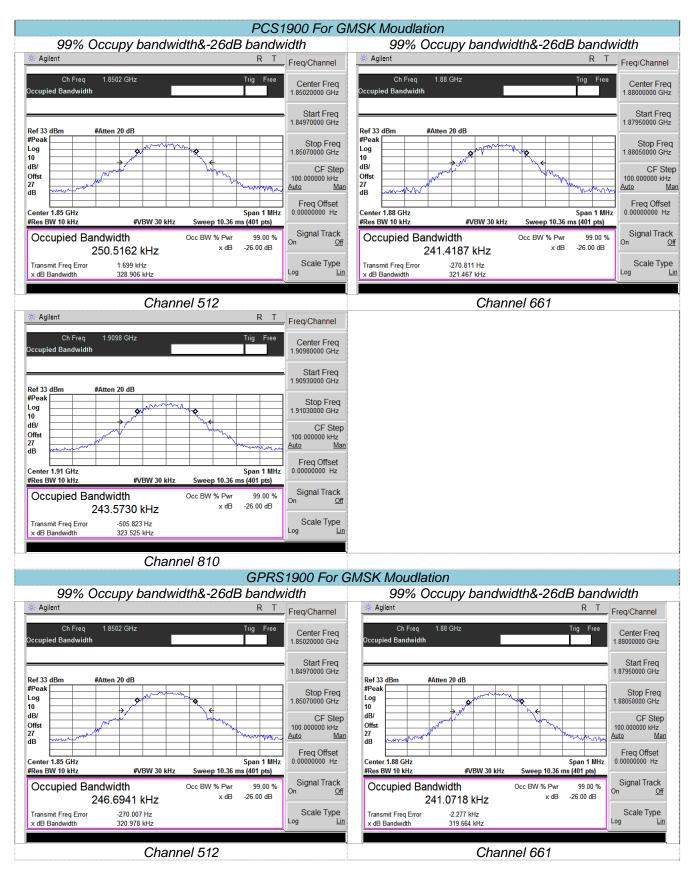
EUT Mode	Channel	Frequency (MHz)	requency (MHz) 99% Occupy bandwidth (KHz)	
	128	824.20	247.33	318.19
GSM 850 (GMSK)	190	836.60	249.11	320.95
	251	848.80	246.00	319.84
	128	824.20	247.33	310.72
GPRS850 (GMSK,1Slot)	190	836.60	247.99	322.60
	251 848.80 2 128 824.20 2	249.11	309.49	
50550050	128	824.20	251.24	319.76
EGPRS850 (GMSK,1Slot)	190	836.60	248.80	319.34
	251	848.80	248.54	317.86
	512	1850.20	250.52	328.91
PCS1900 (GMSK)	661	1880.00	241.42	321.47
	810	1909.80	243.57	323.53
	512	1850.20	246.69	320.98
GPRS1900 (GMSK,1Slot)	661	1880.00	241.07	319.66
	810	1909.80	243.14	318.03
	512	1850.20	247.81	316.65
EGPRS1900 (GMSK,1Slot)	661	1880.00	244.43	322.13
	810	1909.80	241.71	316.85
	9262	1852.4	4149.60	4695.00
WCDMA Band II	9400	1880.0	4145.60	4707.00
	9538	1907.6	4158.60	4717.00
	4132	826.4	4149.70	4700.00
WCDMA Band V	4183	836.6	4174.90	4698.00
	4233	846.6	4123.50	4691.00

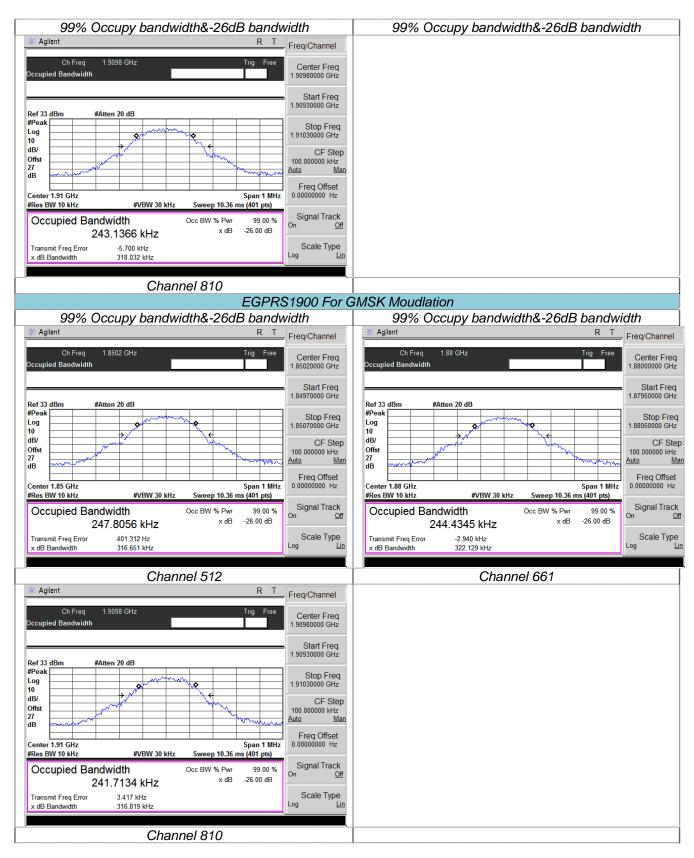
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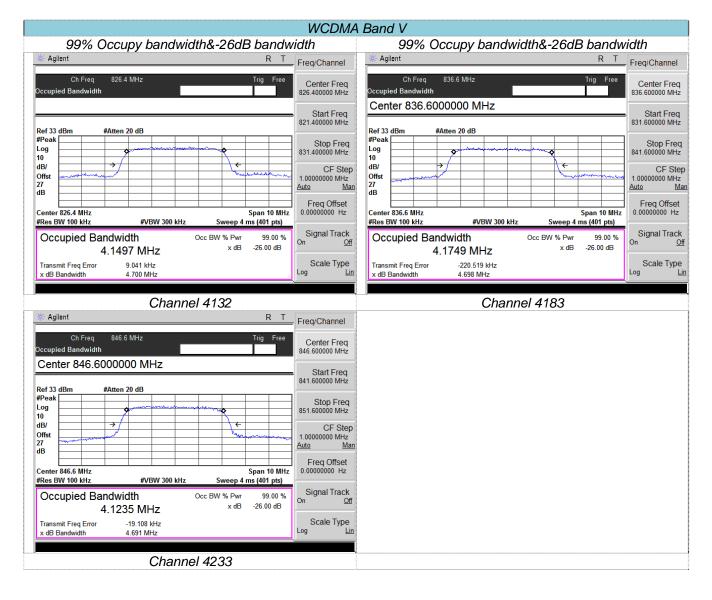




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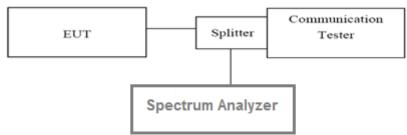
4.4. Out of band emission at antenna terminals

<u>LIMIT</u>

Part 24.238 and Part 22.917 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P) dB$.

The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

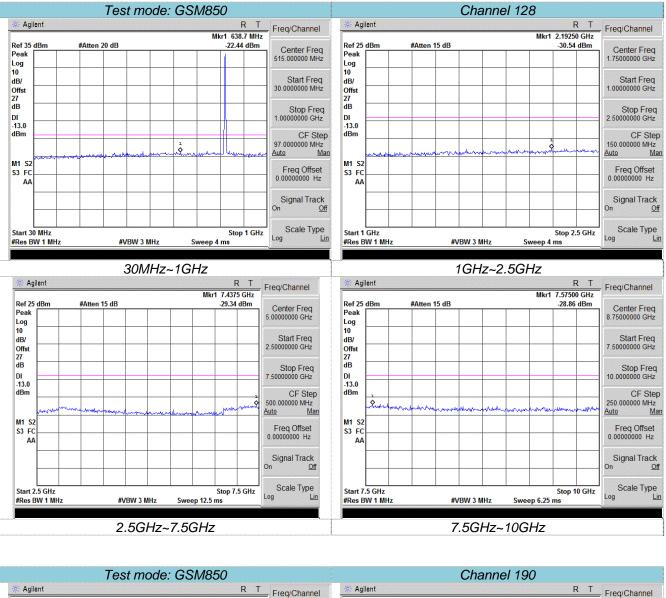
TEST CONFIGURATION

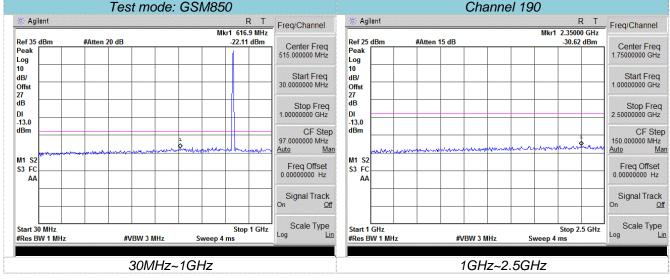


TEST PROCEDURE

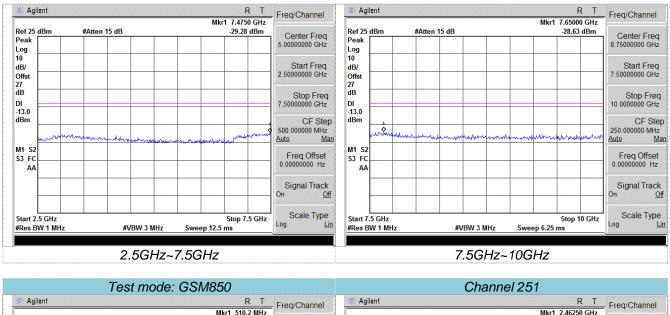
- 1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
- 2. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.
- 3. For the out of band: Set the RBW= 1MHz, VBW = 3MHz, Start=30MHz, Stop= 10th harmonic.

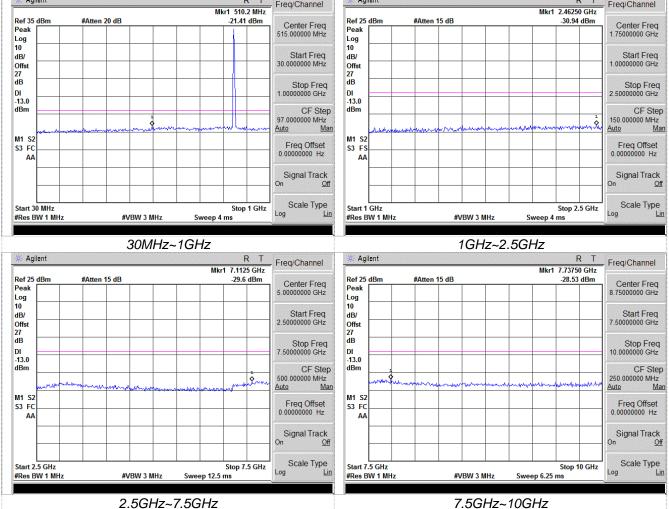
TEST RESULTS



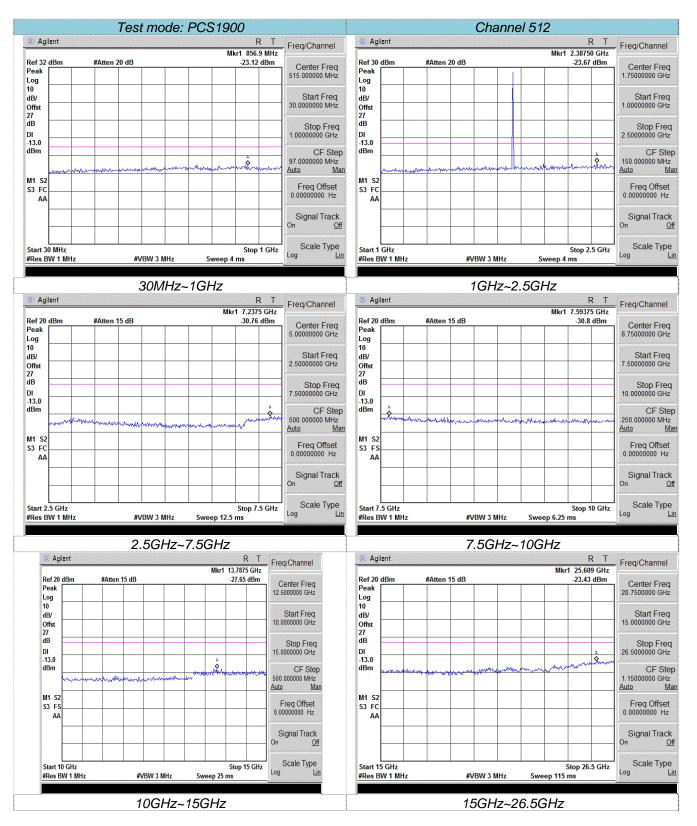


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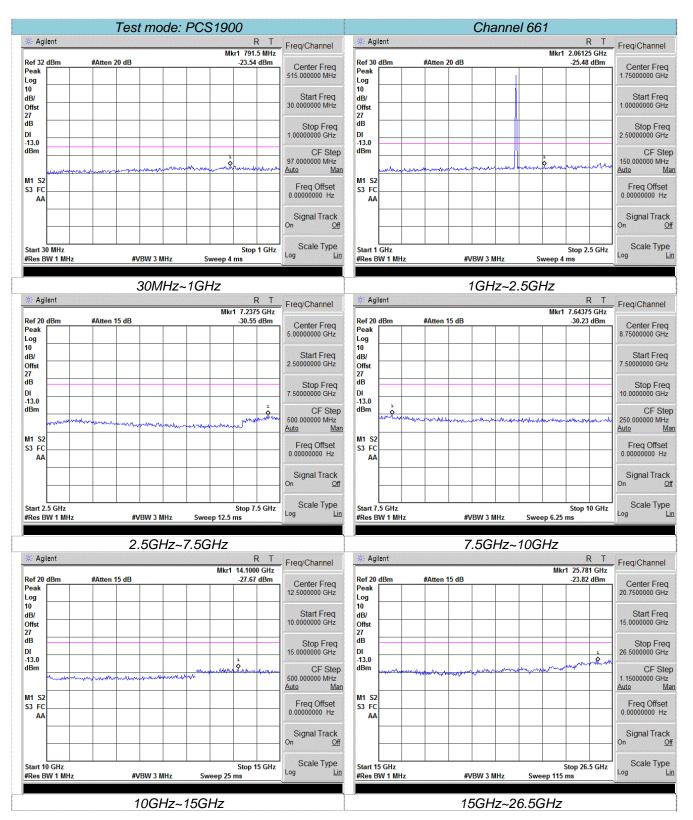




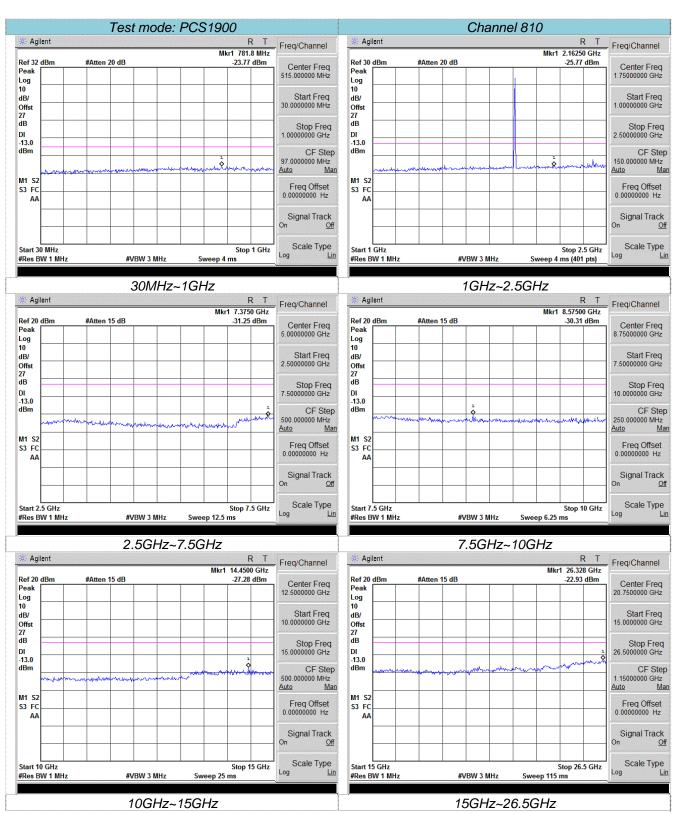


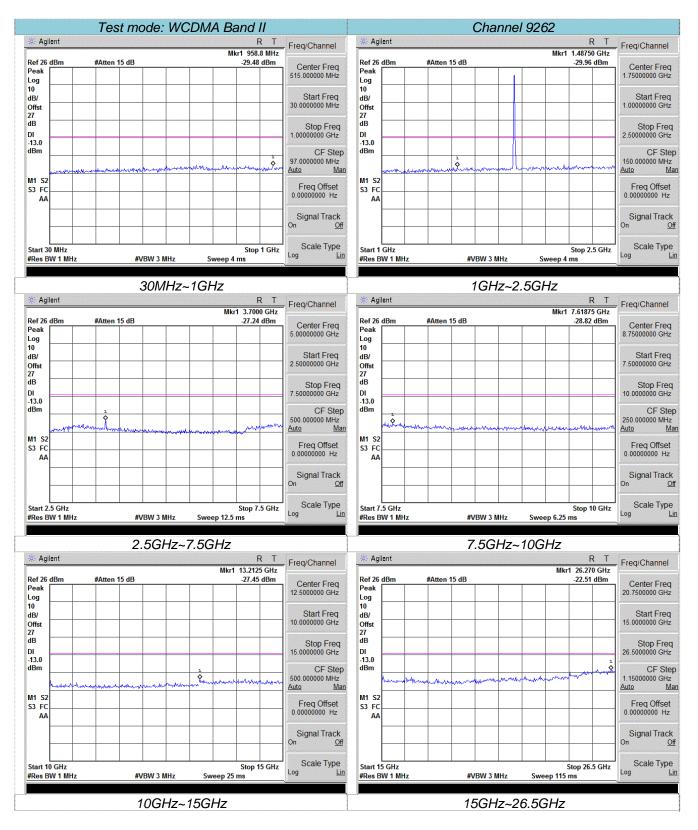


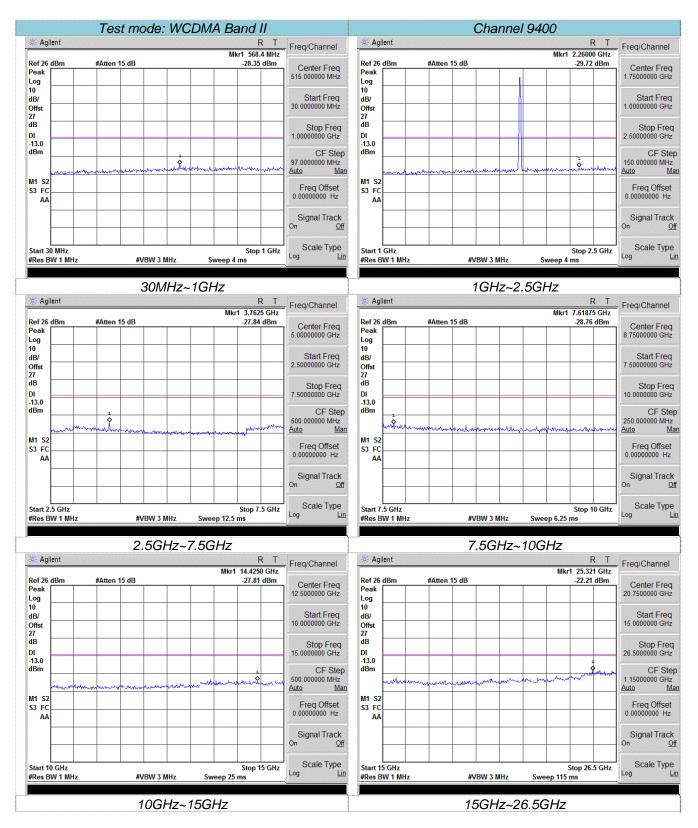


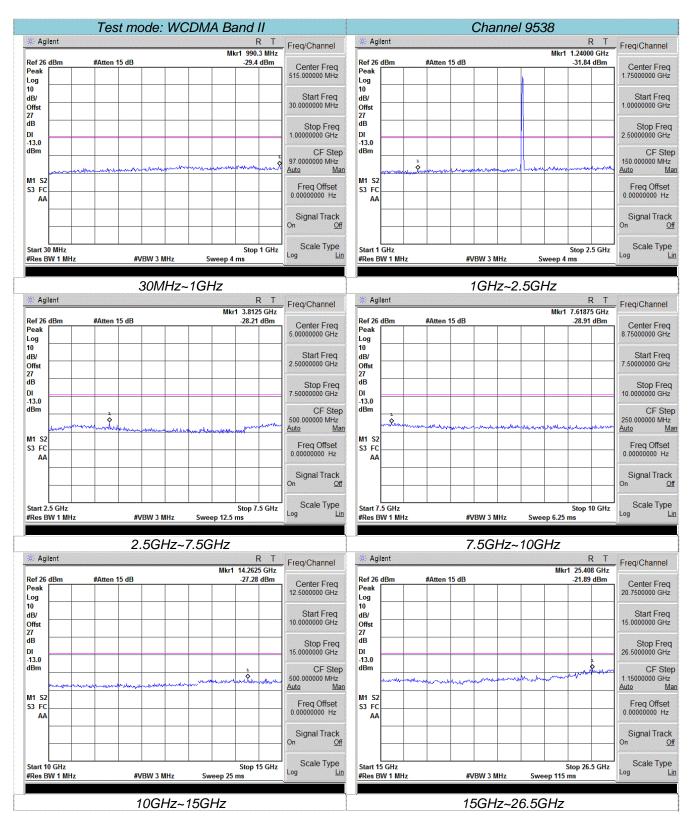


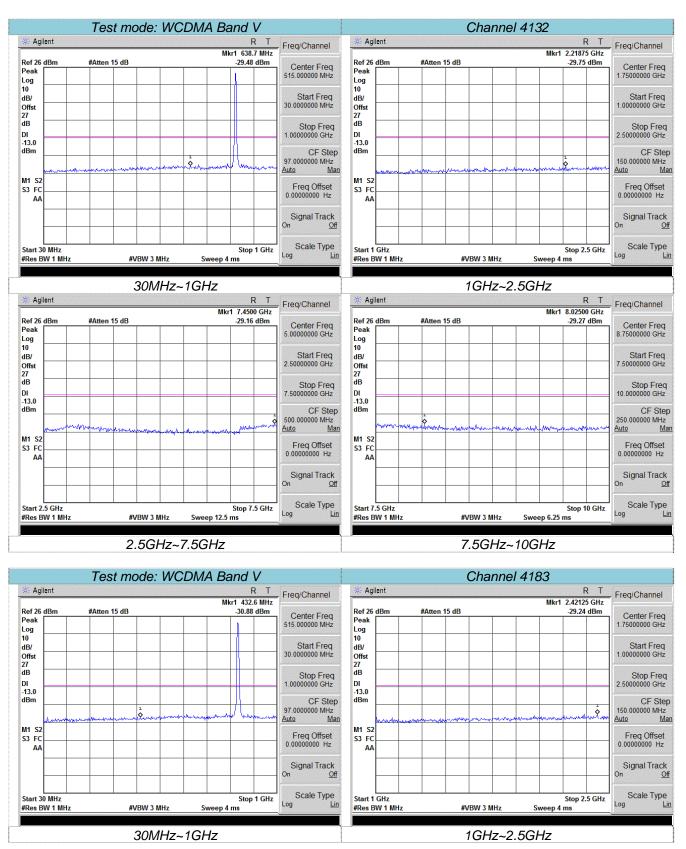




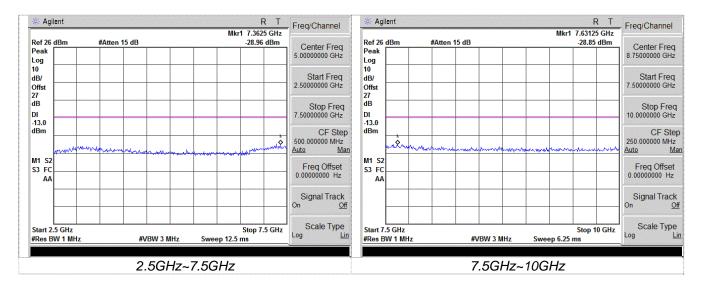


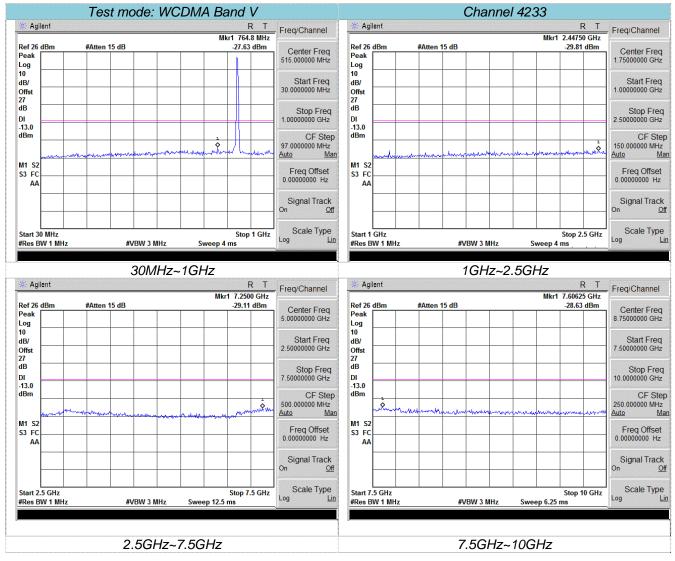






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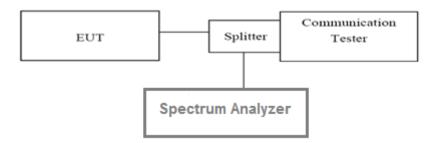
4.5. Band Edge compliance

<u>LIMIT</u>

Part 24.238 and Part 22.917 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P) dB$.

The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

TEST CONFIGURATION



TEST PROCEDURE

- 1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
- For the bandedge: 2G:Set the RBW=10KHz, VBW = 30KHz, Sweep time= Auto
 3G: Set the RBW=100KHz, VBW = 300KHz, Sweep time= Auto

TEST RESULTS

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GSM850								
Channel	Frequency	Measureme	nt Results	Limit Verdict				
Number	(MHz)	Frequency (MHz)	Values (dBm)	(dBm)	verdict			
128	824.20	824.00	-21.04	-13.00	Pass			
251	848.80	849.00	-21.97	-13.00	Pass			

	GPRS850									
Channel	Frequency	Measurement Results		Limit Verdict						
Number	(MHz)	Frequency (MHz)	Values (dBm)	(dBm)	Verdici					
128	824.20	823.99	-21.37	-13.00	Pass					
251	848.80	849.00	-19.38	-13.00	Pass					

	EGPRS850									
Channel	Frequency	Measurement Results		Limit Verdiet						
Number	(MHz)	Frequency (MHz)	Values (dBm)	(dBm)	Verdict					
128	824.20	823.99	-21.99	-13.00	Pass					
251	848.80	849.01	-20.67	-13.00	Pass					

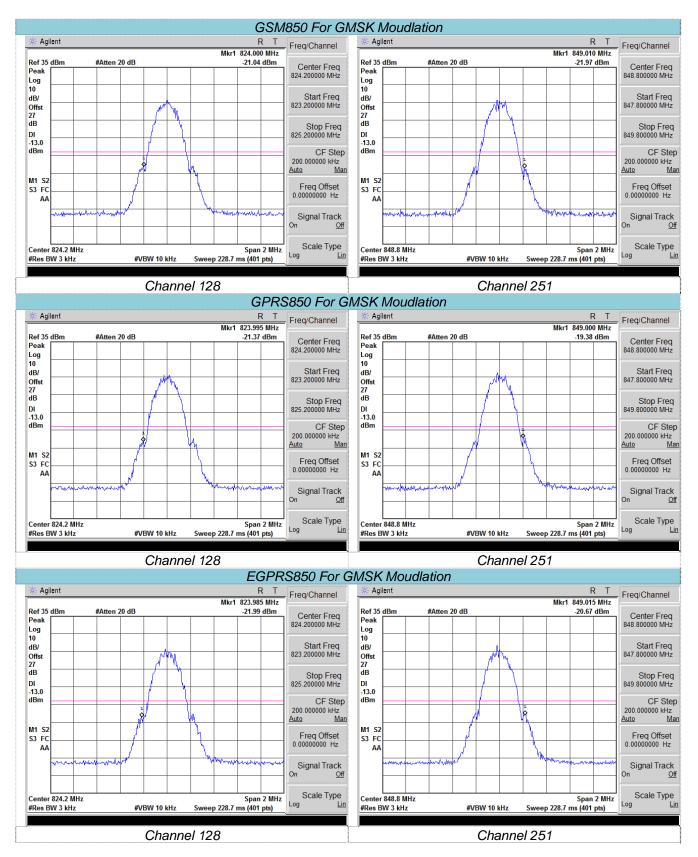
PCS1900						
Channel	Frequency	Measurement Results				
Number	(MHz)	Frequency (MHz)	Values (dBm)	(dBm)	Verdict	
512	1850.20	1850.00	-18.62	-13.00	Pass	
810	1909.80	1910.00	-19.8	-13.00	Pass	

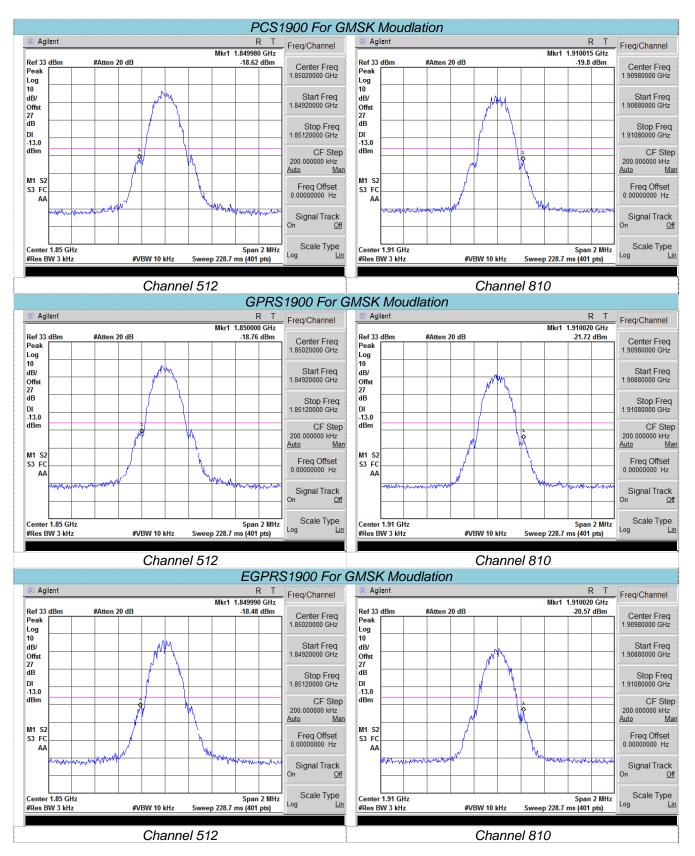
GPRS1900						
Channel	Frequency	Measureme	nt Results	Limit	Verdict	
Number	(MHz)	Frequency (MHz)	Values (dBm)	(dBm)	verdict	
512	1850.20	1850.00	-18.76	-13.00	Pass	
810	1909.80	1910.00	-21.72	-13.00	Pass	

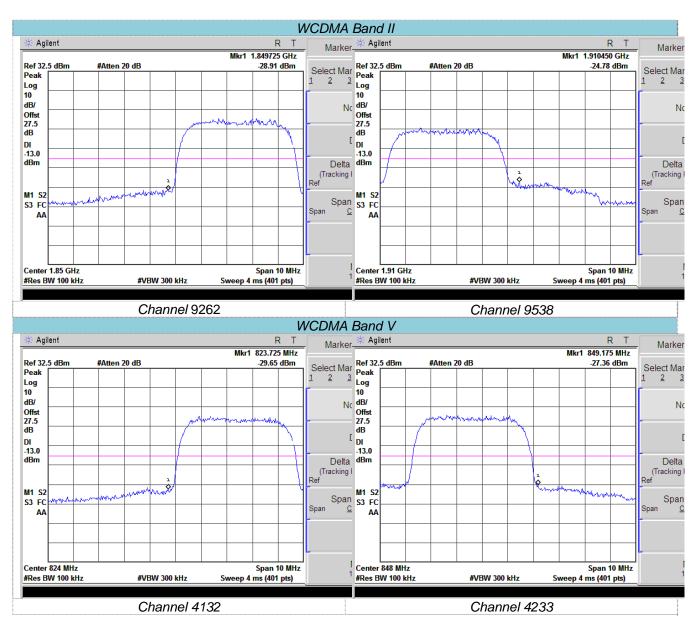
EGPRS1900						
Channel	Frequency	Measureme	nent Results Limit Ve			
Number	(MHz)	Frequency (MHz)	Values (dBm)	(dBm)	Verdict	
512	1850.20	1850.00	-18.48	-13.00	Pass	
810	1909.80	1910.00	-20.57	-13.00	Pass	

WCDMA Band II						
Channel	Frequency	Measureme	nt Results	Limit	Verdict	
Number	(MHz)	Frequency (MHz)	Values (dBm)	(dBm)	verdict	
9262	1852.4	1850.00	-26.33	-13.00	Pass	
9538	1907.6	1910.69	-24.22	-13.00	Pass	

WCDMA Band V						
Channel	Frequency	Measureme	Verdict			
Number	(MHz)	Frequency (MHz)	Values (dBm)	(dBm)	Verdict	
4132	826.4	824.00	-22.97	-13.00	Pass	
4233	846.6	849.09	-21.35	-13.00	Pass	





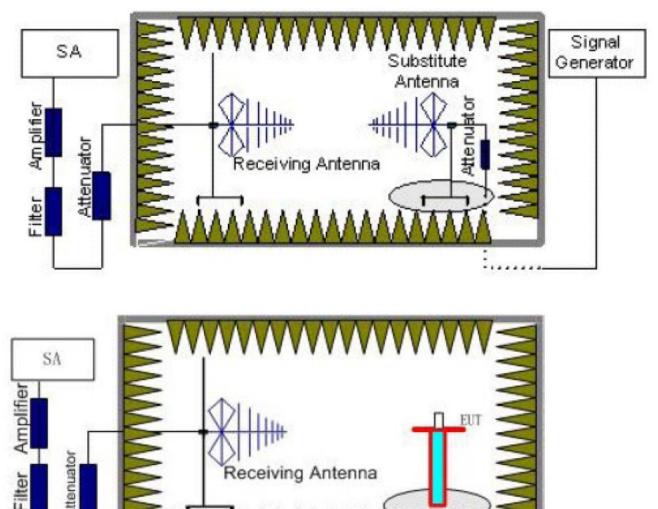


4.6. Radiated Power Measurement

<u>LIMIT</u>

GSM850/WCDMA Band V: 7W ERP PCS1900/WCDMA Band II: 2W EIRP

TEST CONFIGURATION



TEST PROCEDURE

- EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.
- 2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- 3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (Pr).
- 4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the

frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.

- A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
- The measurement results are obtained as described below: Power(EIRP)=PMea- PAg - Pcl + Ga We used SMF100A micowave signal generator which signal level can up to 33dBm,so we not used power Amplifier for substituation test; The measurement results are amend as described below: Power(EIRP)=PMea- Pcl + Ga
- This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
 ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.

	1	1			1
Mode	Channel	Antenna Pol.	ERP	Limit (dBm)	Result
	128	V	29.63		
	120	Н	27.92		
GSM850	190	V	29.69	38.45	Pass
6510050	190	Н	27.85	30.43	F d S S
	251	V	29.84		
	231	Н	27.63		
	128	V	29.92		Pass
	120	Н	27.68	- 38.45	
GPRS850	190	V	29.73		
	190	Н	27.86		
	251	V	27.52		
	201	Н	29.46		
	128	V	29.76		
	120	Н	27.52		
EGPRS850	190	V	29.64	38.45	Pass
	190	Н	27.86	38.45	r ass
	251	V	29.94		
	231	Н	27.25		

TEST RESULTS

GSM:

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Mode	Channel	Antenna Pol.	EIRP	Limit (dBm)	Result
	512	V	27.58		
	512	Н	25.47		
PCS1900	661	V	27.96	33.01	Pass
FC31900	001	Н	25.86	55.01	F 855
	810	V	27.94		
	010	Н	25.64		
	512	V	27.89		Pass
	012	Н	27.54	33.01 33.01 33.01 33.01	
GPRS1900	661	V	27.43		
	001	Н	25.64		
	810	V	27.58		
	010	Н	26.43		
	512	V	27.52		
	512	н	25.36		
EGPRS 1900	661	V	27.64	33.01	Pass
201101900	601	Н	25.86	33.01	1 455
	810	V	27.38		
	010	Н	25.09		

WCDMA:

Mode	Channel	Antenna Pol.	EIRP	Limit (dBm)	Result
	9262	V	18.54		Pass
		Н	16.37		
WCDMA Band II	9400 - 9538 -	V	18.76	- 33.01	
		Н	16.59		
		V	18.76		
		Н	16.43		

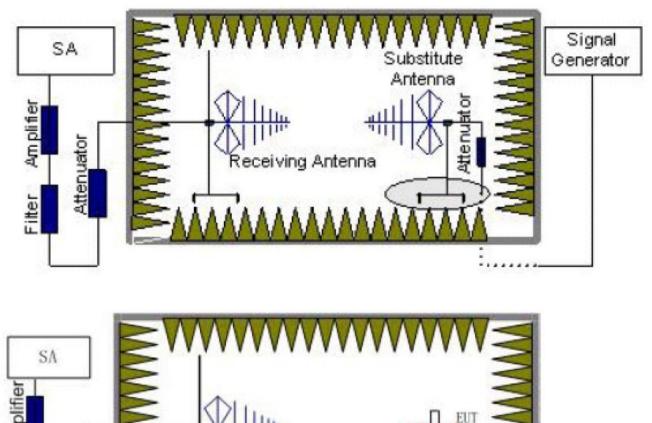
Mode	Channel	Antenna Pol.	ERP	Limit (dBm)	Result
	4122	V	19.52		Pass
	4132	Н	17.46	- 38.45	
WCDMA Band V	4183 - 4233 -	V	19.84		
		Н	17.38		
		V	19.69		
		Н	17.32		

4.7. Radiated Spurious Emssion

<u>LIMIT</u>

-13dBm

TEST CONFIGURATION



TEST RESULTS

enuato

 EUT was placed on a 1.50 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.50m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all transmit frequencies in three channels (High, Middle, Low) were measured with peak detector.

Receiving Antenna

- 2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- 3. The EUT is then put into continuously transmitting mode at its maximum power level during the test.Set Test Receiver or Spectrum RBW=1MHz,VBW=3MHz, And the maximum value of the receiver should be recorded as (Pr).

- 4. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
- A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
- The measurement results are obtained as described below: Power(EIRP)=PMea- PAg - Pcl + Ga We used SMF100A micowave signal generator which signal level can up to 33dBm,so we not used power Amplifier for substituation test; The measurement results are amend as described below: Power(EIRP)=PMea- Pcl + Ga
- 7. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.

ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.

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		GS	M850		
Channel	hannel Frequency Spurious Emission				Decult
Channel	(MHz)	Polarization	Level (dBm)	Limit (aBm)	Result
	1648.40	Vertical	-36.58		
	2472.60	V	-43.61		
	3296.80	V	-42.38	-13.00	Pass
	4121.00	V	-51.67		
400	4945.20	V			
128	1648.40	Horizontal	-34.34		
	2472.60	н	-45.15		
	3296.80	Н	-41.99	-13.00	Pass
	4121.00	н	-52.45		
	4945.20	н			
	1673.20	Vertical	-36.74	-13.00	Pass
	2509.80	V	-42.95		
	3346.40	V	-42.63		
	4183.00	V	-51.37		
100	5019.60	V			
190	1673.20	Horizontal	-35.28		Pass
	2509.80	н	-45.36		
	3346.40	н	-41.74	-13.00	
	4183.00	Н	-52.08		
	5019.60	н		-13.00	
	1697.60	Vertical	-35.93		
	2546.40	V	-43.42		
	3395.20	V	-42.35	-13.00	Pass
	4244.00	V	-51.36		
054	5092.80	V			
251	1697.60	Horizontal	-34.37		
	2546.40	н	-45.85		
	3395.20	н	-41.29	-13.00	Pass
	4244.00	н	-52.76		
	5092.80	Н			

Remark :

The emission behaviour belongs to narrowband spurious emission. 1.

2.

Remark"---" means that the emission level is too low to be measured The emission levels of below 1 GHz are very lower than the limit and not show in test report. 3.

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		PC	S1900		
Charact	Frequency	Spurious	Emission	Lizzit (dDzz)	Decult
Channel	(MHz)	Polarization	Level (dBm)	Limit (aBm)	Result
	3700.40	Vertical	-45.25		
	5550.60	V	-43.64		
	7400.80	V	-36.87	-13.00	Pass
	9251.00	V	-47.95		
540	11101.20	V			
512	3700.40	Horizontal	-47.52		
	5550.60	Н	-45.84		
	7400.80	Н	-37.63	-13.00	Pass
	9251.00	Н	-49.38		
	11101.20	Н			
	3760.00	Vertical	-44.36		Pass
	5640.00	V	-43.85		
	7520.00	V	-35.74	-13.00	
	9400.00	V	-46.87		
661	11280.00	V			
001	3760.00	Horizontal	-46.75		
	5640.00	Н	-45.93		
	$12 \qquad \begin{array}{ c c c c c c } \hline 11101.20 & V & \\ \hline 3700.40 & Horizontal & -47.52 \\ \hline 5550.60 & H & -45.84 \\ \hline 7400.80 & H & -37.63 \\ \hline 7400.80 & H & -37.63 \\ \hline 9251.00 & H & \\ \hline 11101.20 & H & \\ \hline 3760.00 & Vertical & -44.36 \\ \hline 5640.00 & V & -43.85 \\ \hline 7520.00 & V & -35.74 \\ \hline 9400.00 & V & -35.74 \\ \hline 9400.00 & V & \\ \hline 3760.00 & Horizontal & -46.75 \\ \hline 5640.00 & H & -45.93 \\ \hline 7520.00 & H & -38.32 \\ \hline 7520.00 & H & -38.32 \\ \hline 7520.00 & H & -49.37 \\ \hline 11280.00 & H & \\ \hline 3819.60 & Vertical & -45.63 \\ \hline 5729.40 & V & -44.08 \\ \hline 7639.20 & V & -36.87 \\ \hline 9549.00 & V & \\ \hline 10 \qquad \hline \end{array}$	-13.00	Pass		
	9400.00	Н	-49.37	-13.00 -13.00 -13.00	
	11280.00	Н			
	3819.60	Vertical	-45.63		
	5729.40	V	-44.08		
	7639.20	V	-36.87	-13.00	Pass
	9549.00	V	-47.3		
810	11458.80	V			
010	3819.60	Horizontal	-48.32		
	5729.40	Н	-44.52		
	7639.20	Н	-38.06	-13.00	Pass
	9549.00	Н	-49.63		
	11458.80	Н			

Remark :

1.

The emission behaviour belongs to narrowband spurious emission. Remark"----" means that the emission level is too low to be measured

2. 3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

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		WCDM	A Band II		
Channel	Frequency	Spurious	Emission	Limit (dBm)	Result
Channel	(MHz)	Polarization	Level (dBm)	сіпіц (авті)	Result
	3704.80	Vertical	-43.22		
	5557.20	V	-46.74	-13.00	Pass
	7409.60	V	-49.85	-13.00	Fass
9262	9262.00	9262.00 V			
9202	3704.80	Horizontal	-42.58		
	5557.20	Н	-49.57	-13.00	Pass
	7409.60	Н	-50.68	-13.00	FdSS
	9262.00	Н			
	3760.00	Vertical	-43.76	-13.00	Pass
	5640.00	V	-46.98		
	7520.00	V	-49.57		FdSS
9400	9400.00	V			
9400	3760.00	Horizontal	-42.36		Dese
	5640.00	Н	-48.07	-13.00	
	7520.00	Н	-50.44	-13.00	Pass
	9400.00	Н			
	3815.20	Vertical	-42.74		
	5722.80	V	-45.35	12.00	Pass
	7630.40	V	-49.68	-13.00	rass
9538	9538.00	V			
9038	3815.20	Horizontal	-42.98		
	5722.80	Н	-49.06	-13.00	Doop
	7630.40	Н	-49.37	-13.00	Pass
	9538.00	Н			

Remark :

4. 5. The emission behaviour belongs to narrowband spurious emission.

Remark"----" means that the emission level is too low to be measured The emission levels of below 1 GHz are very lower than the limit and not show in test report. 6.

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		WCDM	A Band V		
Channel	Frequency	Spurious	Emission	Limit (dDm)	Result
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result
	1652.80	Vertical	-50.46		
	2479.20	V	-41.32	-13.00	Pass
	3305.60	V	-46.94	-13.00	Pass
4132	4132.00	V			
4132	1652.80	Horizontal	-47.33		
	2479.20	Н	-42.33	-13.00	Pass
	3305.60	Н	-46.86	-13.00	Fd55
	4132.00	Н			
	1673.20	Vertical	-50.94	-13.00	
	2509.80	V	-41.08		Pass
	3346.40	V	-45.75		Fd55
4183	4183.00	V			
4105	1673.20	Horizontal	-47.46		
	2509.80	Н	-42.57	-13.00	Pass
	3346.40	Н	-45.94	-13.00	F d 55
	4183.00	Н			
	1693.20	Vertical	-49.35		
	2539.80	V	-41.37	-13.00	Pass
	3386.40	V	-46.06	-13.00	F d 3 3
4233	4233.00	V			
4200	1693.20	Horizontal	-47.78		
	2539.80	Н	-42.39	-13.00	Pass
	3386.40	Н	-46.65	-13.00	r ass
	4233.00	Н			

Remark :

4. The emission behaviour belongs to narrowband spurious emission.

5. 6.

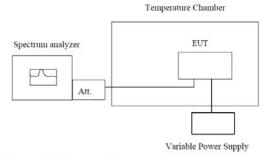
Remark"---" means that the emission level is too low to be measured The emission levels of below 1 GHz are very lower than the limit and not show in test report.

4.8. Frequency stability V.S. Temperature measurement

<u>LIMIT</u>

2.5ppm

TEST CONFIGURATION



Note : Measurement setup for testing on Antenna connector

TEST PROCEDURE

- 1. The equipment under test was connected to an external DC power supply and input rated voltage.
- 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators.
- 3. The EUT was placed inside the temperature chamber.
- Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25℃ operating frequency as reference frequency.
- 5. Turn EUT off and set the chamber temperature to -30° C. After the temperature stabilized for approximately 30 minutes recorded the frequency.
- 6. Repeat step measure with 10° increased per stage until the highest temperature of +50° reached.

Power supplied	To see a set use (%)	Frequency error			D
(Vdc)	Temperature (℃)	Hz	ppm	Limit (ppm)	Result
	-30	27	0.032		
	-20	16	0.019]	
	-10	30	0.036		
	0	12	0.014		
3.80	10	26	0.031	2.5	Pass
	20	14	0.017]	
	30	30	0.036	-	
	40	31	0.037		
	50	22	0.026]	
Re	ference Frequency: PC	S1900 Middle ch	annel=661 chan	nel=1880MHz	
Power supplied	Temperature (℃)	Frequer	ncy error	Limit (ppm)	Result
(Vdc)		Hz	ppm	Liniit (ppin)	Result
	-30	19	0.010		
	-20	22	0.012		
	-10	28	0.015		
	0	32	0.017		
3.80	10	30	0.016	2.5	Pass
	20	25	0.013]	
	30	37	0.020		
	40	26	0.014]	
	50	18	0.010		

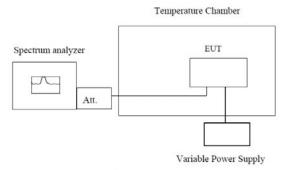
Referen	ce Frequency: WCDN	/A Band II Middle	channel=9400 c	hannel=1880MH	Z
Power supplied	Temperature (℃)	Frequer	icy error	Limit (ppm)	Result
(Vdc)		Hz	ppm	Linit (ppin)	Result
	-30	26	0.014	-	
	-20	19	0.010		
	-10	32	0.017		
	0	14	0.007		
3.80	10	25	0.013	2.5	Pass
	20	19	0.010		
	30	28	0.015	-	
	40	32	0.017		
	50	17	0.009		
Reference	ce Frequency: WCDN	IA Band V Middle	channel=4183 cl	nannel=836.6MH	Z
Power supplied	Temperature (℃)	Frequency error		Limit (ppm)	Result
(Vdc)		Hz	ppm	Linii (ppin)	Result
	-30	18	0.022		
	-20	26	0.031		
	-10	18	0.022		
	0	33	0.039		
3.80	10	32	0.038	2.5	Pass
	20	17	0.020]	
	30	21	0.025	-	
	40	27	0.032		
	50	22	0.026]	

4.9. Frequency stability V.S. Voltage measurement

<u>LIMIT</u>

2.5ppm

TEST CONFIGURATION



Note : Measurement setup for testing on Antenna connector

TEST PROCEDURE

- 1. Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage.
- 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
- 3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.

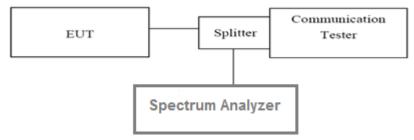
Reference	e Frequency: GSM85	0 (GSM link) Mide	lle channel=190	channel=836.6MH	łz
Temperature (℃)	Power supplied	Frequency error		Limit (ppm)	Result
	(Vdc)	Hz	ppm	Emit (ppm)	Result
	4.30	26	0.031		
25	3.80	15	0.018	2.5	Pass
	3.60	24	0.029		
Reference	Frequency: PCS190	00 (GSM link) Mid	dle channel=661	channel=1880MH	Ηz
Temperature (℃)	Power supplied	Frequen	ncy error	Limit (ppm)	Result
remperature (C)	(Vdc)	Hz	ppm	Limit (ppm)	Result
	4.30	13	0.007		
25	3.80	26	0.014	2.5	Pass
	3.60	29	0.015		
Referen	ce Frequency: WCD	MA Band II Middle	channel=9400 c	hannel=1880MHz	<u>.</u>
Tomporature ($^{\circ}$)	Power supplied	Frequency error		Limit (ppm)	Result
Temperature (℃)	(Vdc)	Hz	ppm	Linit (ppn)	Result
	4.30	21	0.011		
25	3.80	29	0.015	2.5	Pass
	3.60	28	0.015		
Reference	e Frequency: WCDM	A Band V Middle	channel=4183 c	hannel=836.6MH	Z
Temperature (℃)	Power supplied	Frequen	ncy error	Limit (ppm)	Result
	(Vdc)	Hz	ppm	Limit (ppm)	Result
	4.30	17	0.020		
25	3.80	16	0.019	2.5	Pass
	3.60	25	0.030		

4.10. Peak-Average Ratio

<u>LIMIT</u>

13dB

TEST CONFIGURATION



TEST PROCEDURE

According with KDB 971168

- 1. The signal analyzer's CCDF measurement profile is enabled
- 2. Frequency = carrier center frequency
- 3. Measurement BW > Emission bandwidth of signal
- 4. The signal analyzer was set to collect one million samples to generate the CCDF curve

5. The measurement interval was set depending on the type of signal analyzed. For continuous signals(>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the " on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

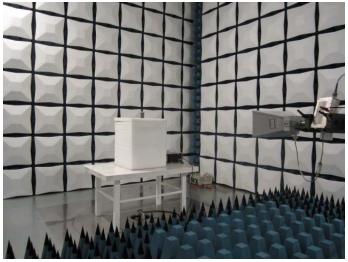
Band	Channel	Frequency(MHz)	PAR	Limit(dB)	Result
	128	824.2	0.13	13	Pass
GSM850	190	836.6	0.11	13	Pass
	251	848.8	0.14	0.13 13 0.11 13	Pass
	512	1850.2	0.09	13	Pass
PCS1900	661	1880.0	0.12	13	Pass
	810	1909.8	0.15	13	Pass

Band	Channel	Frequency(MHz)	PAR	Limit(dB)	Result
WCDMA BAND V	4132	826.4	2.15	13	Pass
	4183	836.6	2.03	13	Pass
	4233	846.6	2.11	13	Pass
WCDMA BAND II	9262	1852.4	2.21	13	Pass
	9400	1880.0	2.16	13	Pass
	9538	1907.6	2.19	13	Pass

5. Test Setup Photos of the EUT

Radiated emission:







Conducted emission:

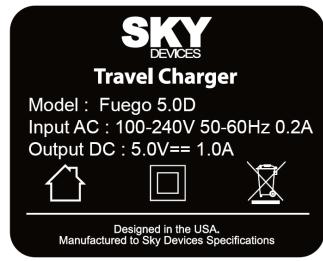


6. External and Internal Photos of the EUT

External photos of the EUT

















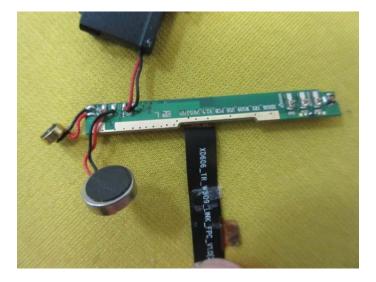


Internal photos of the EUT



















.....End of Report.....