FCC REPORT

Report Reference No. .... :	**TRE1709017501**	R/C…….: 49459
FCC ID... :	**ZSW-30-048**	
Applicant's name .... :	**b mobile HK Limited**	
Address...:	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.	
Manufacturer.....................................:	b mobile HK Limited	
Address...:	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.	
Test item description .... :	**Mobile Phone**	
Trade Mark ....:	Bmobile	
Model/Type reference........................:	AX1015	
Listed Model(s) ....:	-	
Standard .... :	**FCC Part 22: PUBLIC MOBILE SERVICES**	
	FCC Part 24: PERSONAL COMMUNICATIONS SERVICES	
Date of receipt of test sample……….:	Sep.20, 2017	
Date of testing………………………...:	Sep.21, 2017 - Oct.10, 2017	
Date of issue………………………….:	Oct.11, 2017	
Result................. …………………..:	**Pass**	
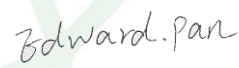
Compiled by (position+printedname+signature)...:	File administrators Candy Liu	*Candy Liu*
Supervised by (position+printedname+signature)....:	Project Engineer : Edward Pan	*Edward.Pan*
Approved by (position+printedname+signature)....:	Manager Hans Hu	*Hans hu*

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

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.

Contents

1. Test standards and Report version

1.1. Applicable Standards

The tests were performed according to following standards:

FCC Part 22:PRIVATE LAND MOBILE RADIO SERVICES.
FCC Part 24:PUBLIC MOBILE SERVICES
FCC Part 27:MISCELLANEOUS WIRELESS COMMUNICATIONS SERVICES
TIA/EIA 603 D June 2010:Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.
FCC Part 2:FREQUENCY ALLOCA-TIONS AND RADIO TREATY MAT-TERS; GENERAL RULES AND REG-ULATIONS
971168 D01 Power Meas License Digital Systems v02r02:provides a methodology for fully characterizing the fundamental power of wideband (> 1 MHz) digitally modulated RF signals acceptable to the FCC for demonstrating compliance for licensed transmitters.

1.2. Report version

Version No.	Date of issue	Description
00	Oct.11, 2017	Original

2. Test Description

Test Item	Section in CFR 47	Result	Test Engineer
RF Output Power	Part 2.1046 Part 22.913(a) Part 24.232(c)	Pass	William Wang
99% & -26 dB Occupied Bandwidth	Part 2.1049 Part 22.917(b) Part 24.238(b)	Pass	William Wang
Conducted Spurious Emissions	Part 2.1051 Part 22.917 Part 24.238	Pass	William Wang
Band Edge	Part 2.1051 Part 22.917 Part 24.238	Pass	William Wang
ERP and EIRP	Part 22.913(a) Part 24.232(b)	Pass	William Wang
Radiated Spurious Emissions	Part 2.1053 Part 22.917 Part 24.238	Pass	William Wang
Frequency stability vs. temperature	Part 2.1055(a)(1)(b) Part 22.355 Part 24.235	Pass	William Wang
Frequency stability vs. voltage	Part 2.1055(d)(1)(2) Part 22.355 Part 24.235	Pass	William Wang
Peak-Average Ratio	Part 24.232	Pass	William Wang

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

3. <u>SUMMARY</u>

3.1. Client Information

Applicant:	b mobile HK Limited
Address:	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.
Manufacturer:	b mobile HK Limited
Address:	Flat 18; 14/F Block 1; Golden Industrial Building;16-26 Kwai Tak Street; Kwai Chung; New Territories; Hong Kong.

3.2. Product Description

Name of EUT:	Mobile Phone
Trade Mark:	Bmobile
Model No.:	AX1015
Listed Model(s):	-
IMEI 1:	861638031655405
IMEI 2:	861638031655413
Power supply:	DC 3.8V From exchange battery
Adapter information:	Input: 100-240Va.c., 50/60Hz, 0.2A Output: 5Vd.c., 500mA
Hardware version:	SPR_S3215_V4.0
Software version:	Bmobile_AX1015_TIGO_V004
2G:	
Support Network:	GSM, GPRS, EGPRS
Support Band:	GSM850, PCS1900
Modulation:	GSM/GPRS/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:	PIFA Antenna
Antenna gain:	GSM850: 1.2 dBi PCS1900: 1.8 dBi
3G:	
Operation Band:	FDD Band II and FDD Band V
Power Class:	Power Class 3
Modilation Type:	QPSK/16QAM/64QAM/HSUPA/HSDPA
DC-HSUPA Release Version:	Not Supported
Antenna type:	PIFA Antenna
Antenna gain:	Band II: 1.8 dBi,Band V: 1.2dBi

3.3. Operation state

➢ **Test frequency list**

GSM850		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	Frequency (MHz)	Channel	Frequency (MHz)
9262	1852.4	4132	826.40
9400	1880.0	4183	836.60
9538	1907.6	4233	846.60

➢ **Test mode**

For RF test items
The EUT has been tested under typical operating condition. Testing was performed by configuring EUT to maimum output power status. The Test EUT support two SIM card(SIM1,SIM2),so all the tests are performed at each SIM card (SIM1,SIM2) mode, the datum recorded is the worst case for all the mode at SIM1 Card mode.

3.4. EUT configuration

The following peripheral devices and interface cables were connected during the measurement:
●   - supplied by the manufacturer
○   - supplied by the lab

		Length (m):	/
		Shield:	/
		Detachable:	/
		Manufacturer:	/
		Model No.:	/

3.5. Modifications

No modifications were implemented to meet testing criteria.

4. <u>TEST ENVIRONMENT</u>

4.1. 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

4.2. Test Facility

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 Laboratories.

A2LA-Lab Cert. No.: 3902.01

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.

FCC-Registration No.: 762235

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.

IC-Registration No.:5377B-1

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-1.

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.

4.3. Equipments Used during the Test

RF Conducted					
No.	Equipment	Manufacturer	Model No.	SerialNo.	Last Cal.
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2016/11/13
2	WIDEB.RADIO COMM.TESRER	Rohde&Schwarz	CMW500	1201.0002K50	2016/11/13
3	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2016/11/13
4	MXA Signal Analyzer	Agilent Technologies	N9020A	MY5050187	2016/11/13
5	Splitter	Mini-Circuit	ZAPD-4	400059	2016/11/13
6	Climate Chamber	ESPEC	EL-10KA	05107008	2016/11/13

RF Radiated					
No.	Equipment	Manufacturer	Model No.	SerialNo.	Last Cal.
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2016/11/13
2	WIDEB.RADIO COMM.TESRER	Rohde&Schwarz	CMW500	1201.0002K50	2016/11/13
3	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2016/11/13
4	HORNANTENNA	ShwarzBeck	9120D	1012	2016/11/13
5	HORNANTENNA	ShwarzBeck	9120D	1011	2016/11/13
6	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	2016/11/13
7	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	539	2016/11/13
8	TURNTABLE	MATURO	TT2.0	----	N/A
9	ANTENNA MAST	MATURO	TAM-4.0-P	----	N/A
10	EMI Test Software	Audix	E3	N/A	N/A
11	EMI Test Receiver	Rohde&Schwarz	ESIB 26	100009	2016/11/13
12	RF Test Panel	Rohde&Schwarz	TS / RSP	335015/ 0017	2016/11/13
13	High pass filter	Compliance Direction systems	BSU-6	34202	2016/11/13
14	Splitter	Mini-Circuit	ZAPD-4	400059	2016/11/13
15	Horn Antenna	SCHWARZBECK	BBHA9170	25841	2016/11/13
16	Horn Antenna	SCHWARZBECK	BBHA9170	25842	2016/11/13
17	Preamplifier	ShwarzBeck	BBV 9718	BBV 9718	2016/11/13
18	Broadband Preamplifier	ShwarzBeck	BBV743	9743-0079	2016/11/13
19	Signal Generator	Rohde&Schwarz	SMF100A	101932	2016/11/13
20	Amplifer	Compliance Direction systems	PAP1-4060	120	2016/11/13
21	TURNTABLE	ETS	2088	2149	2016/11/13
22	ANTENNA MAST	ETS	2075	2346	2016/11/13
23	HORNANTENNA	Rohde&Schwarz	HF906	100068	2016/11/13
24	HORNANTENNA	Rohde&Schwarz	HF906	100039	2016/11/13

The calibration interval was one year.

4.4. 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

4.5. 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 compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurementof mobile radio equipment characteristics;Part 1"and TR-100028-02 "Electromagnetic compatibilityand Radio spectrum Matters (ERM);Uncertainties in the measurementof 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 Huatongwei laboratory is reported:

Test Items	MeasurementUncertainty	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)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.
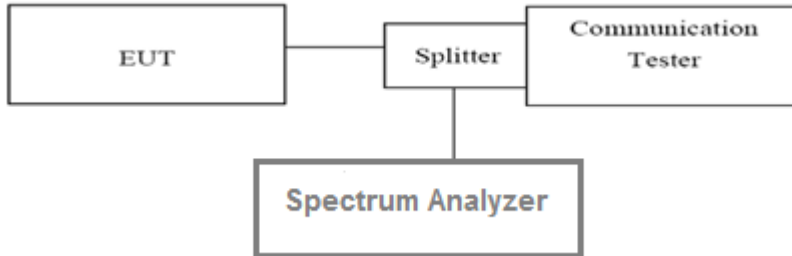
5. TEST CONDITIONS AND RESULTS

5.1. Conducted Output Power

LIMIT
N/A

TEST CONFIGURATION

TEST PROCEDURE

1. The transmitter output port was connected to base station.
2. The RF output of EUT was connected to the spectrum analyzer 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 MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed**   ☐ **Not Applicable**

EUT Mode	Channel	Frequency (MHz)	Power (dBm)
GSM 850 (GMSK)	128	824.20	33.50
	190	836.60	33.46
	251	848.80	33.35
GPRS850 (GMSK,1Slot)	128	824.20	33.39
	190	836.60	33.33
	251	848.80	33.25
EGPRS850 (GMSK,1Slot)	128	824.20	33.32
	190	836.60	33.28
	251	848.80	33.25
PCS1900 (GMSK)	512	1850.20	29.76
	661	1880.00	29.43
	810	1909.80	29.29
GPRS1900 (GMSK,1Slot)	512	1850.20	29.75
	661	1880.00	29.43
	810	1909.80	29.29
EGPRS1900 (GMSK,1Slot)	512	1850.20	29.69
	661	1880.00	29.38
	810	1909.80	29.23
WCDMA Band II	9262	1852.40	23.43
	9400	1880.00	23.52
	9538	1907.60	23.51
WCDMA Band V	4132	826.40	23.30
	4183	836.60	23.28
	4233	846.60	23.16

5.2. 99% & -26 dB Occupied Bandwidth

<u>**LIMIT**</u>
N/A

<u>**TEST CONFIGURATION**</u>
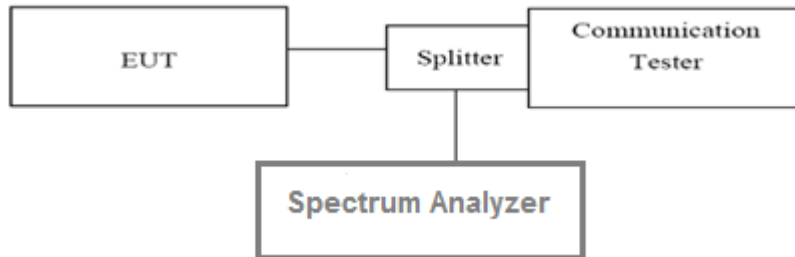
<u>**TEST PROCEDURE**</u>

1.   The EUT's output RF connector was connected with a short cable to the spectrum analyzer

2.   RBWwas 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 isthe delta frequency between the two points where the display line intersects the signal trace.
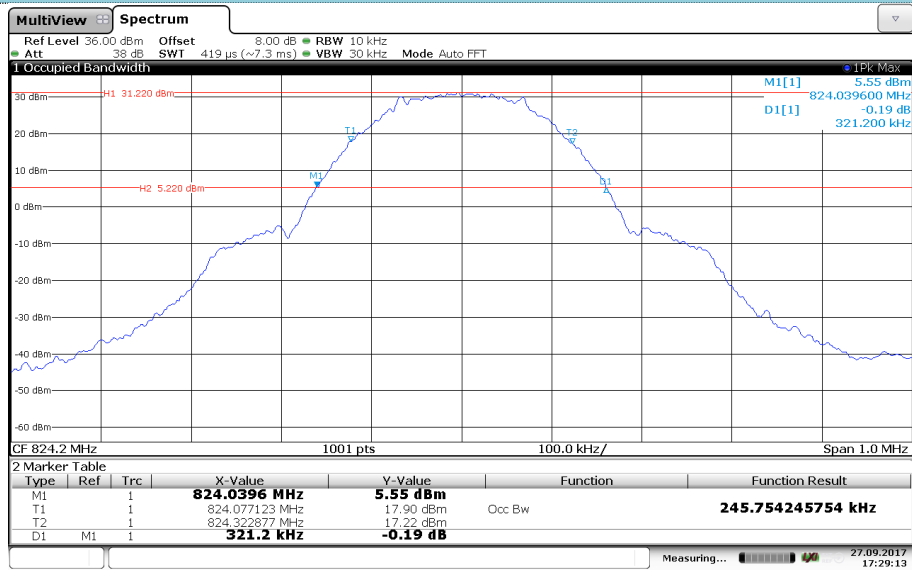
<u>**TEST MODE:**</u>
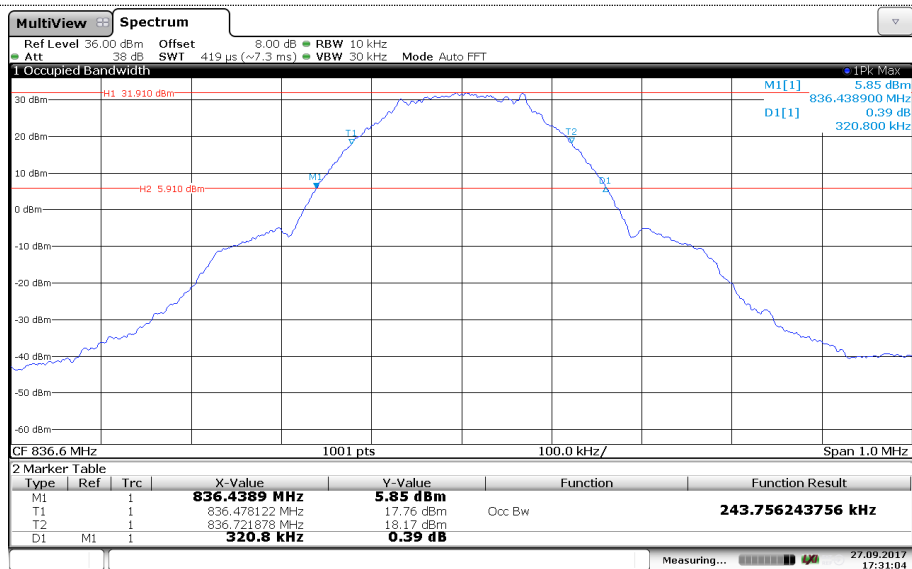Please refer to the clause 3.3

<u>**TEST RESULTS**</u>

☒ **Passed**   ☐ **Not Applicable**

EUT Mode	Channel	Frequency (MHz)	99% Occupy bandwidth (KHz)	-26dB bandwidth (KHz)
GSM 850 (GMSK)	128	824.20	245.75	321.20
	190	836.60	243.75	320.80
	251	848.80	243.75	320.50
GPRS850 (GMSK,1Slot)	128	824.20	242.75	318.30
	190	836.60	242.75	321.20
	251	848.80	241.75	320.90
EGPRS850 (GMSK,1Slot)	128	824.20	243.75	320.20
	190	836.60	243.75	323.10
	251	848.80	242.75	321.50
PCS1900 (GMSK)	512	1850.20	244.75	320.80
	661	1880.00	243.75	321.50
	810	1909.80	243.75	323.80
GPRS1900 (GMSK,1Slot)	512	1850.20	242.75	319.90
	661	1880.00	242.75	320.00
	810	1909.80	242.75	320.80
EGPRS1900 (GMSK,1Slot)	512	1850.20	245.75	317.80
	661	1880.00	243.75	322.10
	810	1909.80	243.75	319.80
WCDMA Band II	9262	1852.40	4095.90	4714.00
	9400	1880.00	4095.90	4689.00
	9538	1907.60	4095.90	4688.00
WCDMA Band V	4132	826.40	4085.91	4680.00
	4183	836.60	4095.90	4670.00
	4233	846.60	4095.90	4701.00

GSM850 For GMSK Moudlation

Date: 27.SEP.2017 17:29:13

Channel 128

Date: 27.SEP.2017 17:31:04

Channel 190

Date: 27.SEP.2017 17:32:44
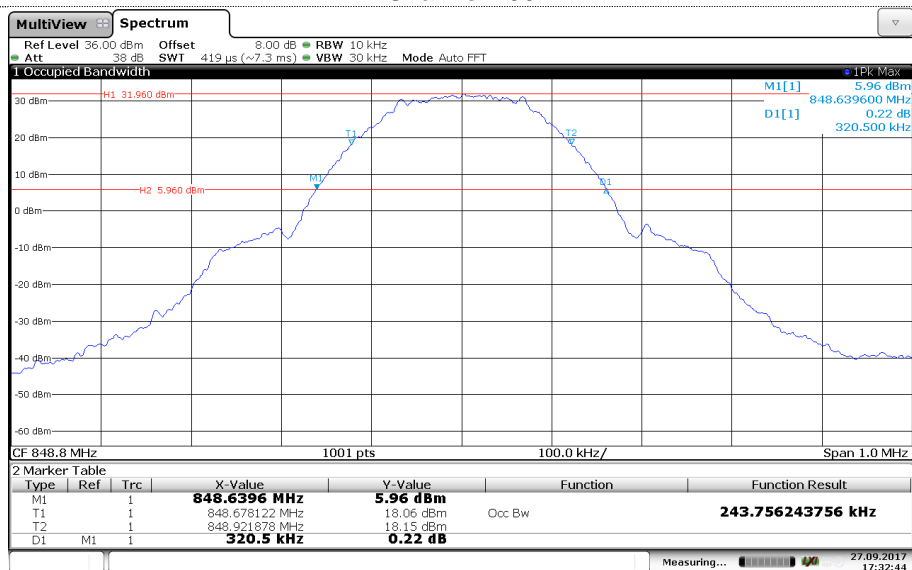
Channel 251

GPRS850 For GMSK Moudlation

Date: 27.SEP.2017 18:29:57

Channel 128

Date: 27.SEP.2017 18:32:39

Channel 190

Date: 27.SEP.2017 18:35:47
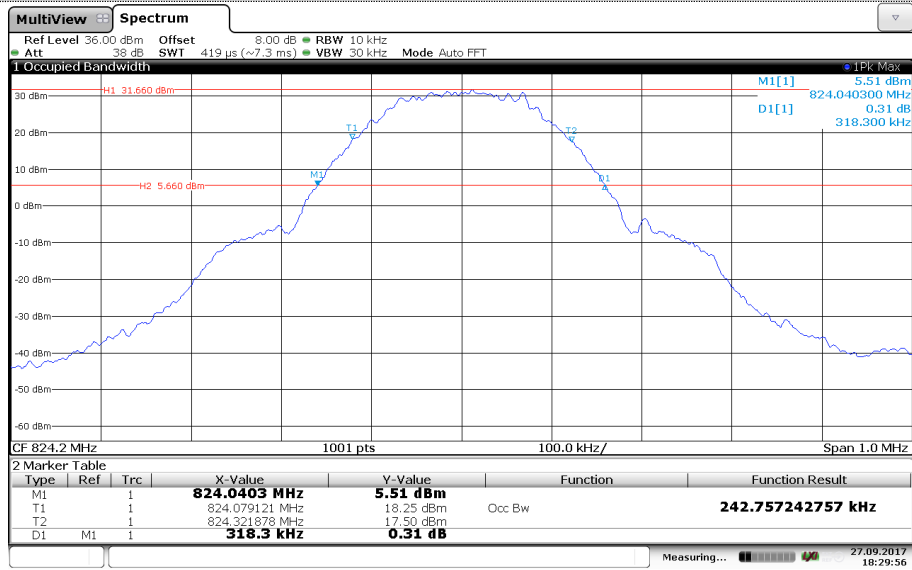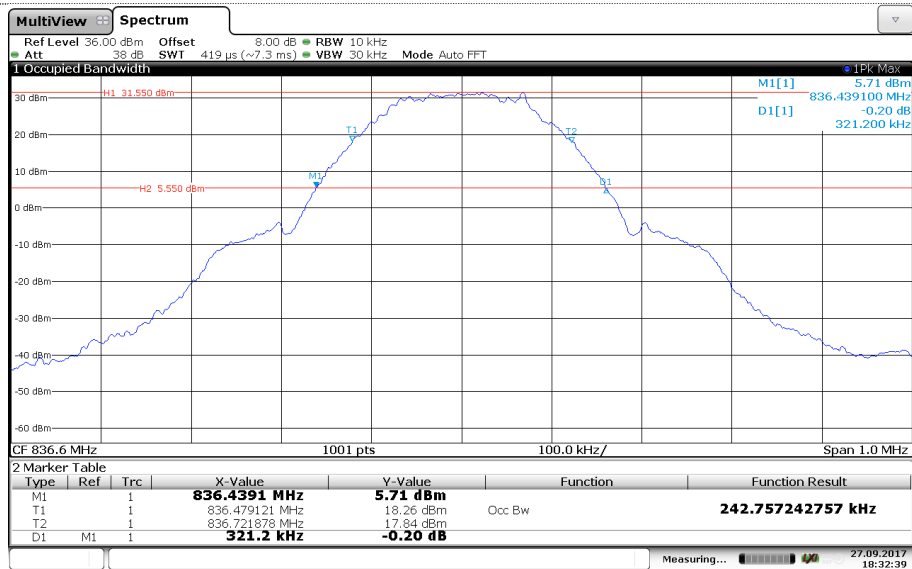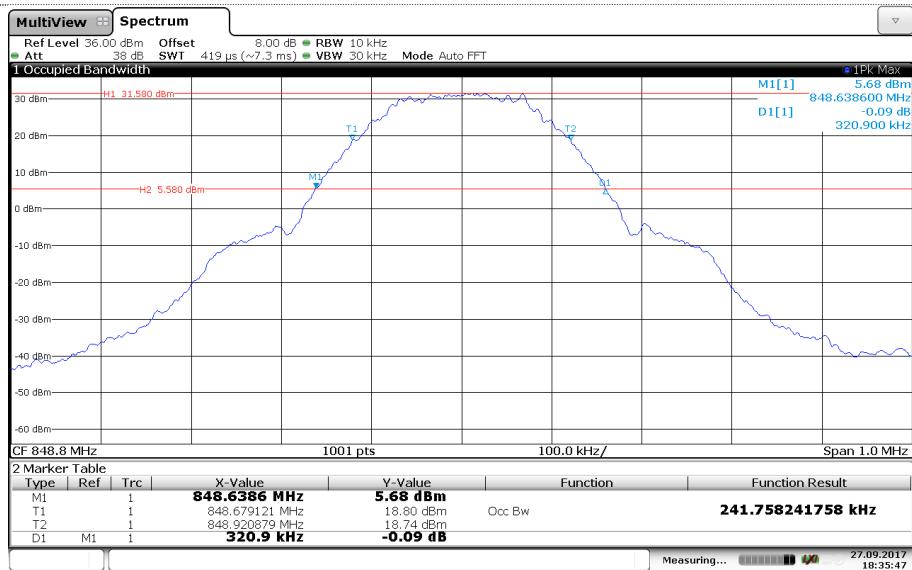
Channel 251

EGPRS850 For GMSK Moudlation

Date: 27.SEP.2017 18:44:20

Channel 128

Date: 27.SEP.2017 20:02:24

Channel 190

Date: 27.SEP.2017 20:03:33
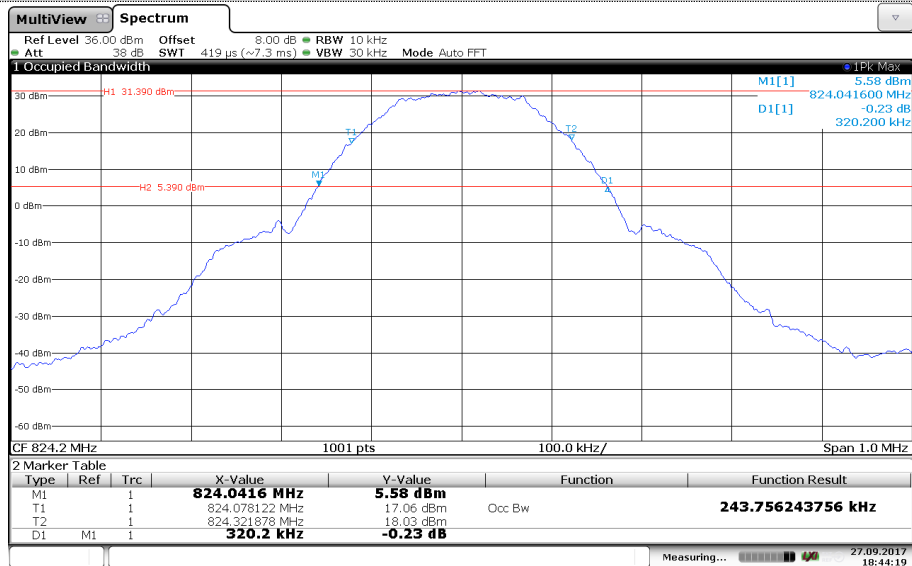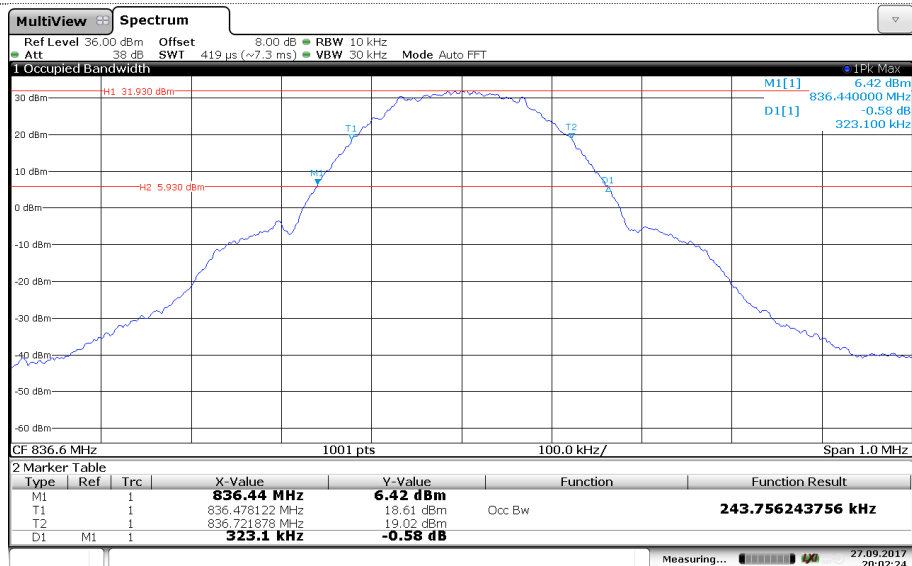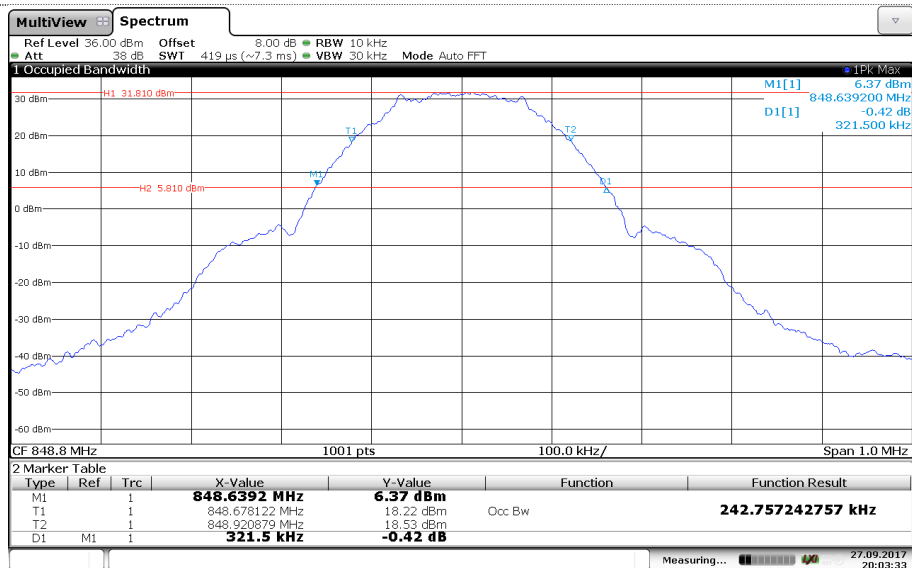
Channel 251

PCS1900 For GMSK Moudlation

Date: 27.SEP.2017 17:37:47

Channel 512

Date: 27.SEP.2017 17:38:46

Channel 661

Date: 27.SEP.2017 17:45:15
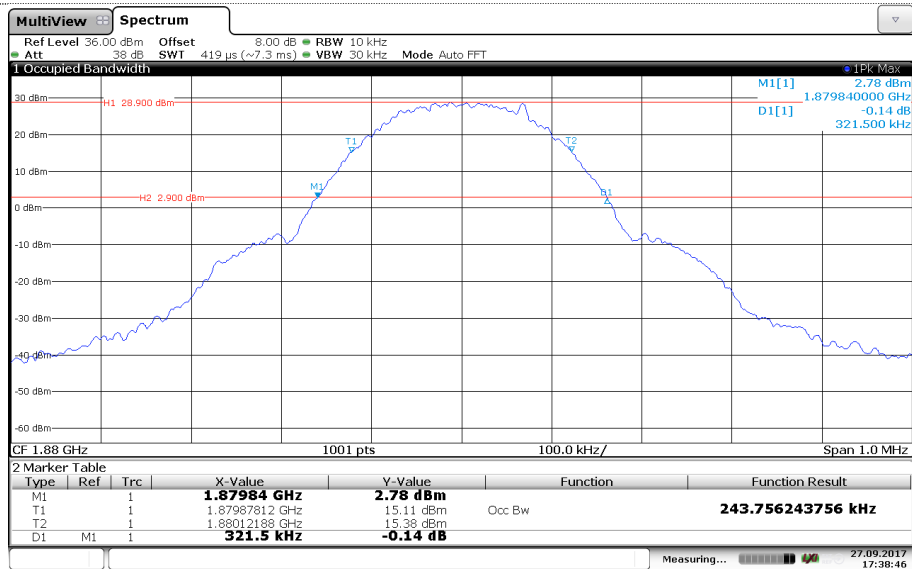
Channel 810

GPRS1900 For GMSK Moudlation
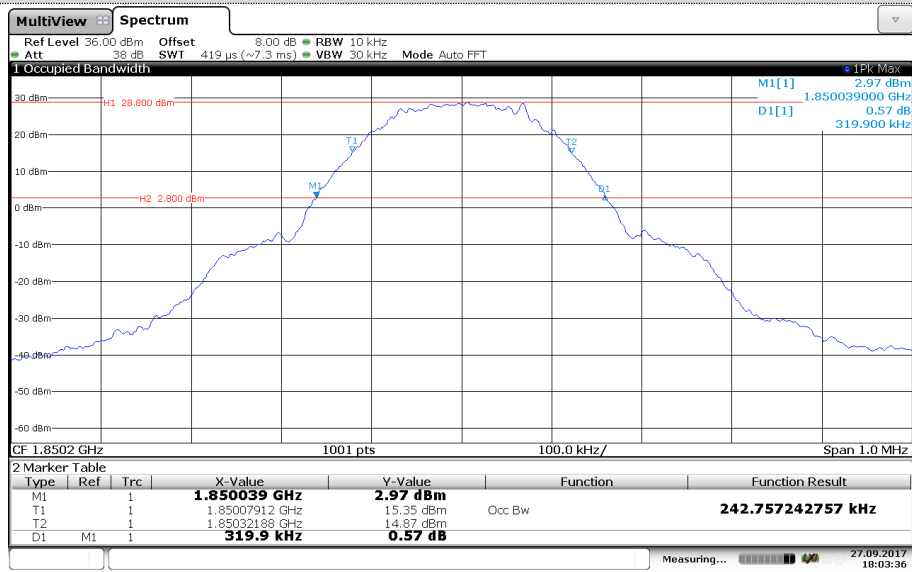
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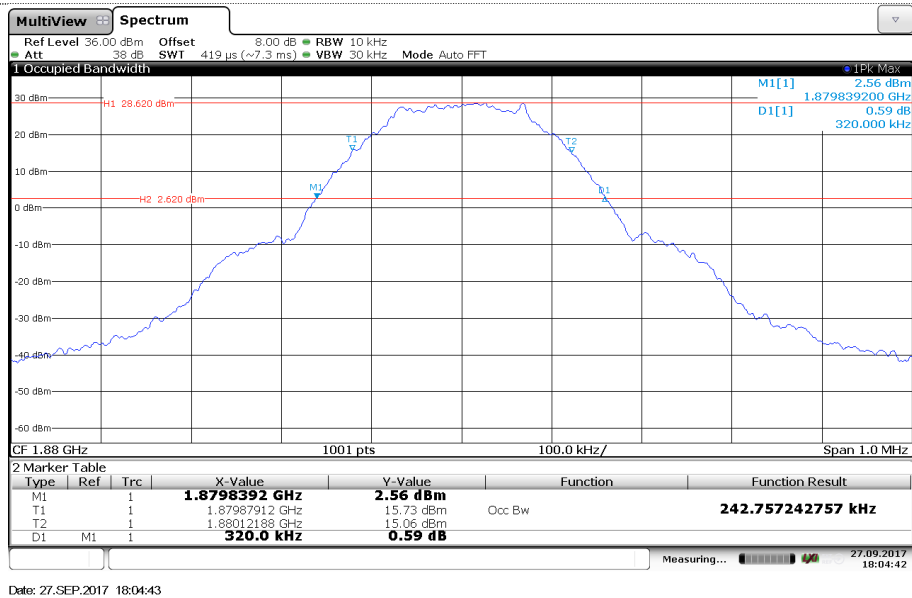
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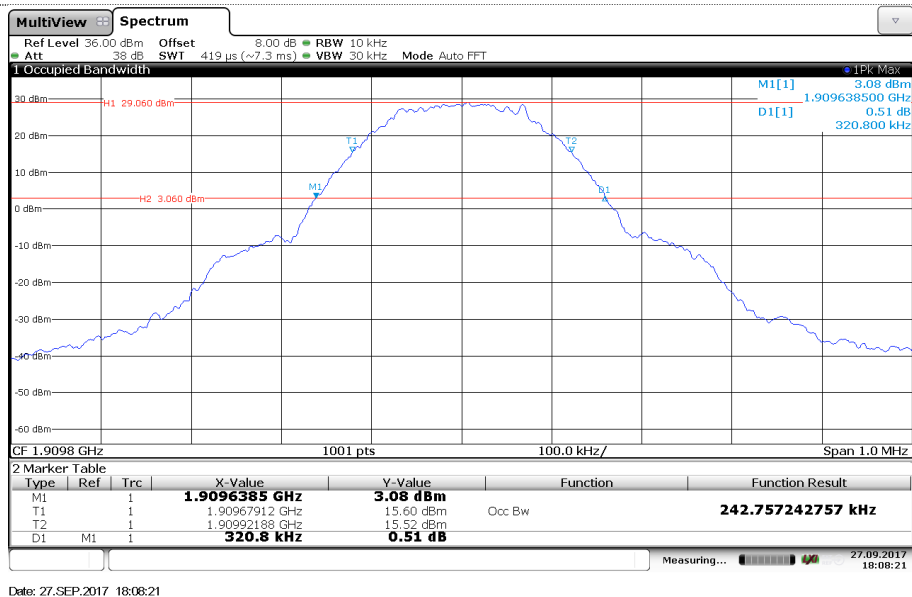
Channel 810

EGPRS1900 For GMSK Moudlation

Date: 27.SEP.2017 18:14:54

Channel 512

Date: 27.SEP.2017 18:16:29

Channel 661

Date: 27.SEP.2017 18:19:44

Channel 810

WCDMA Band II

Date: 27.SEP.2017 16:51:30

Channel 9262

Date: 27.SEP.2017 16:53:56

Channel 9400

Date: 27.SEP.2017 16:55:32
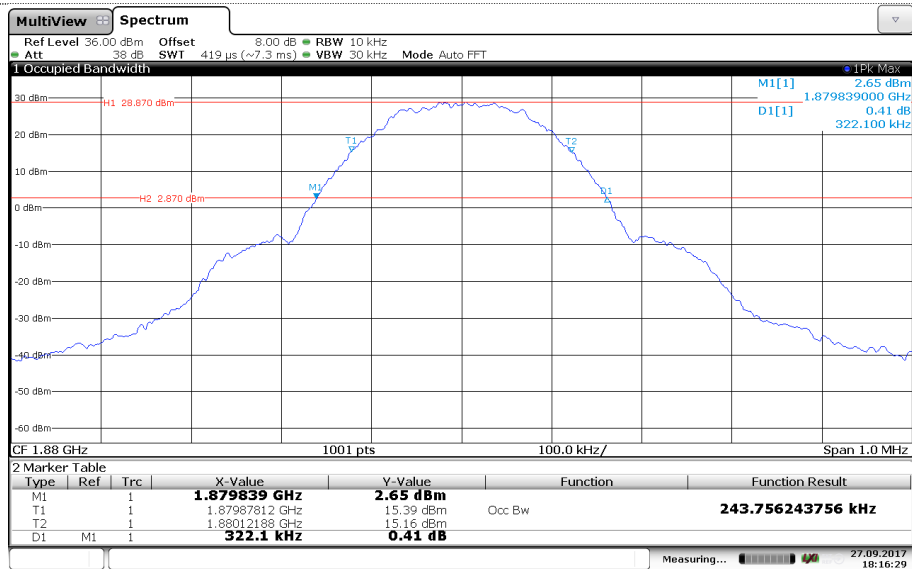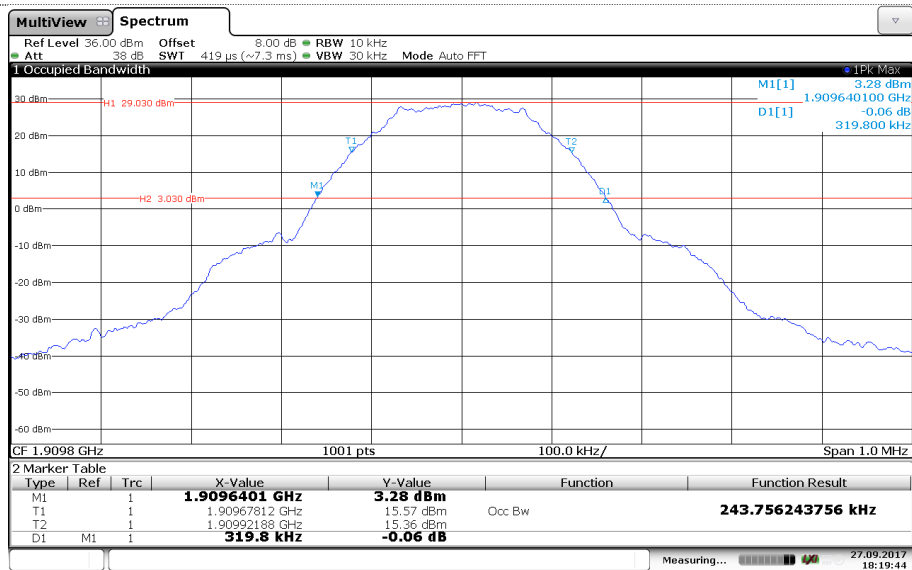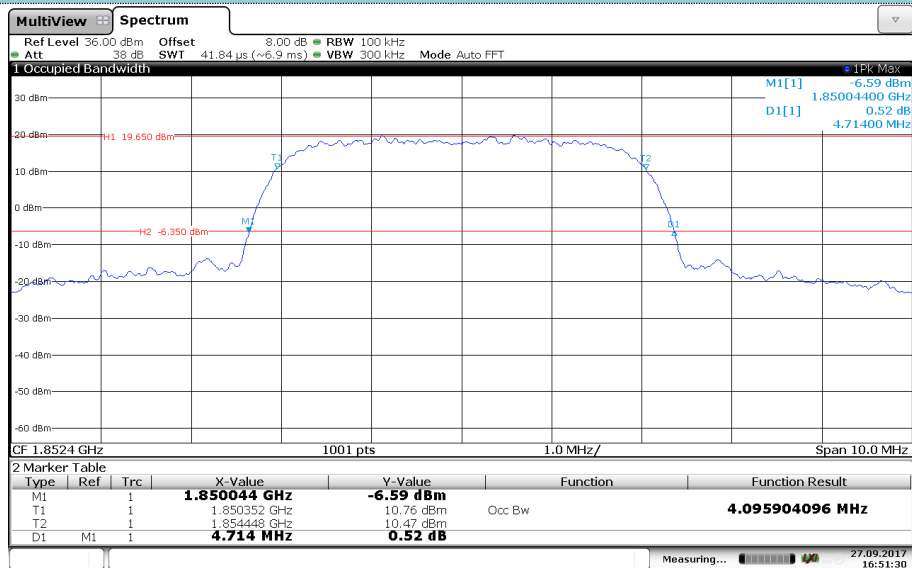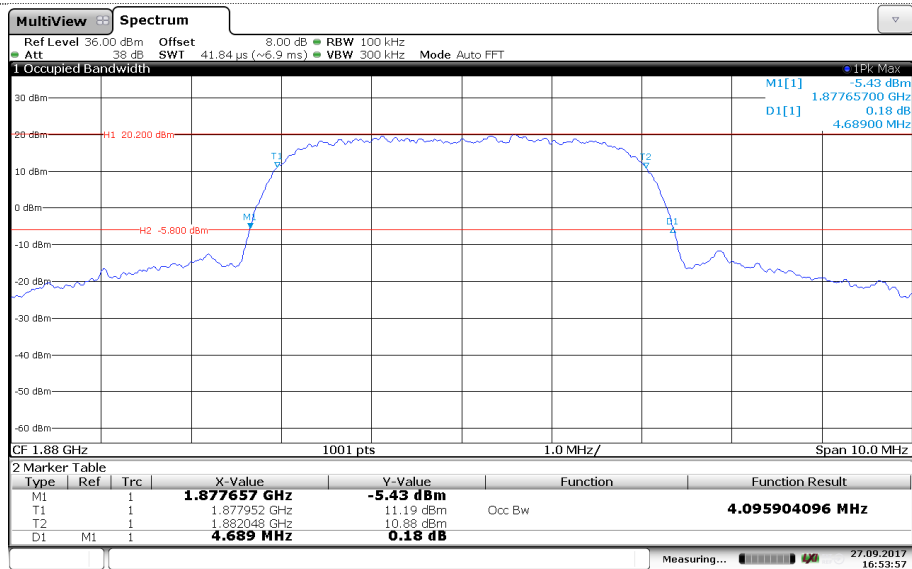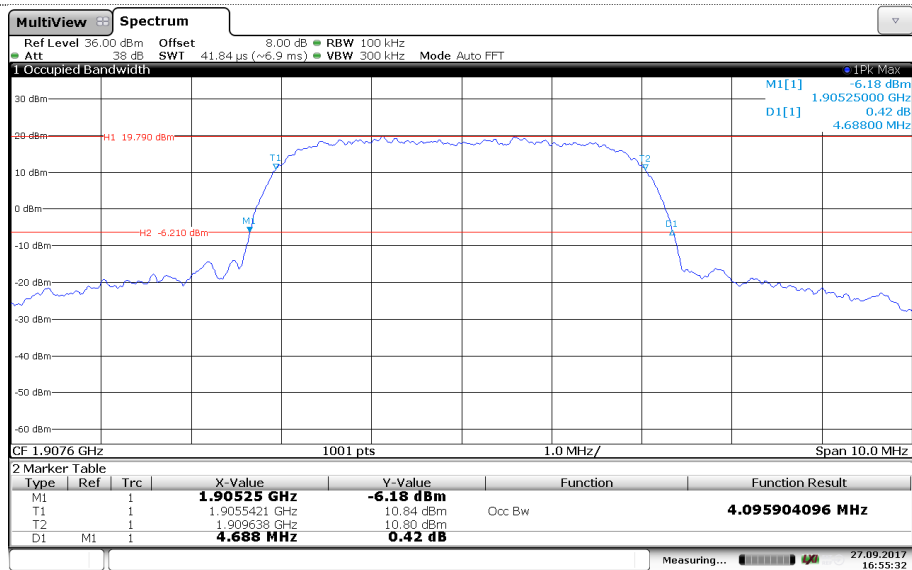
Channel 9538

WCDMA Band V

Channel 4132

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**824.058 MHz**	**-6.60 dBm**		
T1		1	824.36204 MHz	10.84 dBm	Occ Bw	**4.085914086 MHz**
T2		1	828.44795 MHz	10.02 dBm		
D1	M1	1	**4.68 MHz**	**0.51 dB**		

Date: 27.SEP.2017 16:56:38

Channel 4183

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**834.266 MHz**	**-6.20 dBm**		
T1		1	834.55205 MHz	10.50 dBm	Occ Bw	**4.095904096 MHz**
T2		1	838.64795 MHz	10.26 dBm		
D1	M1	1	**4.67 MHz**	**0.01 dB**		

Date: 27.SEP.2017 16:57:52

Channel 4233

Type	Ref	Trc	X-Value	Y-Value	Function	Function Result
M1		1	**844.245 MHz**	**-6.73 dBm**		
T1		1	844.55205 MHz	10.77 dBm	Occ Bw	**4.095904096 MHz**
T2		1	848.64795 MHz	10.28 dBm		
D1	M1	1	**4.701 MHz**	**0.84 dB**		

Date: 27.SEP.2017 16:59:35

5.3. Conducted Spurious Emissions

LIMIT

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 appropriateattenuation.

2. The resolution bandwidth of the spectrum analyzer was set at 1MHz, sufficientscans 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 MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed**   ☐ **Not Applicable**

Note:Worst case at GSM850/PCS1900/WCDMA B2/B5

GSM850
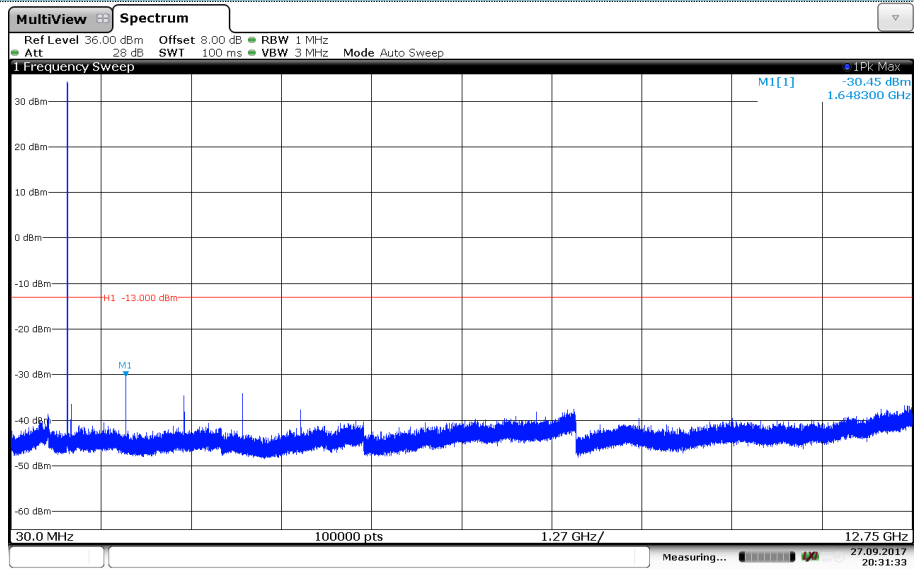
Date: 27.SEP.2017 20:31:34

Channel 128
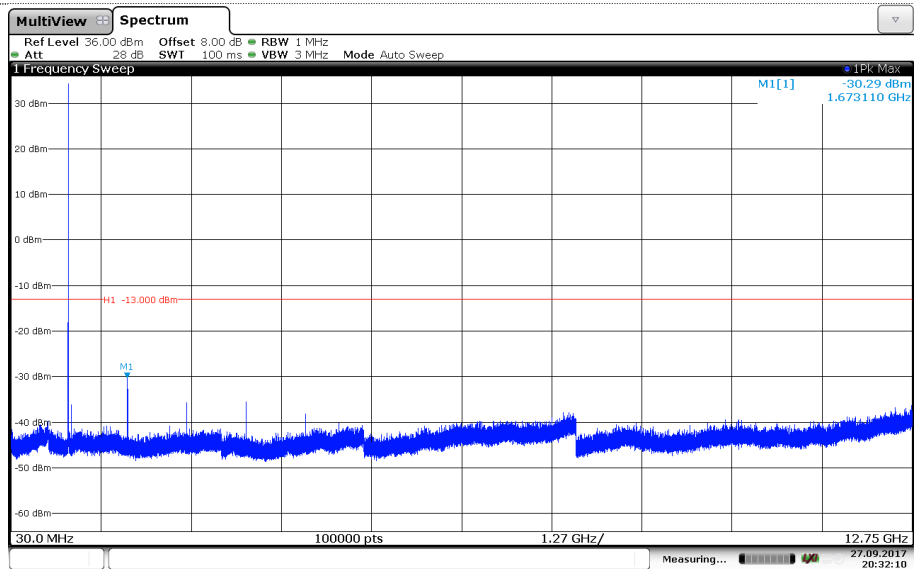
Date: 27.SEP.2017 20:32:09

Channel 190
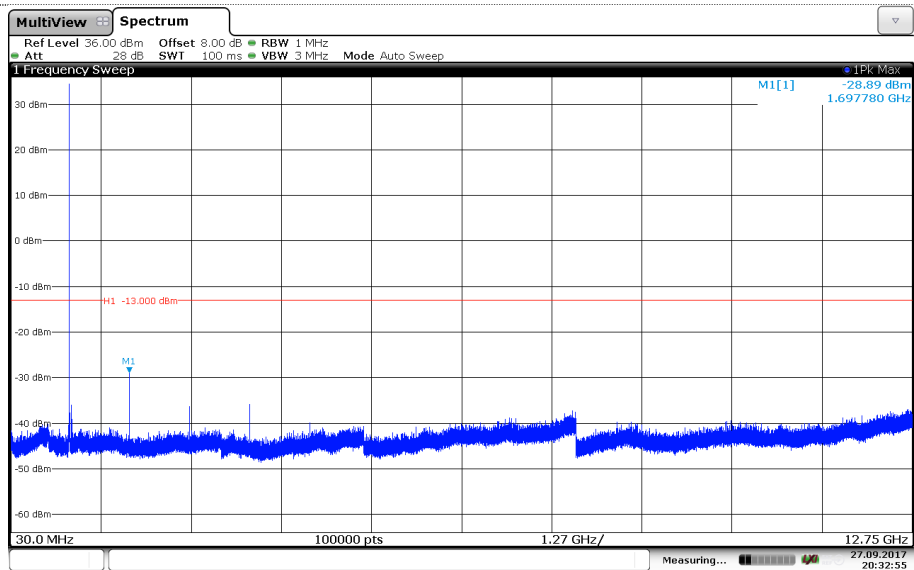
Date: 27.SEP.2017 20:32:55

Channel 251

PCS1900

Date: 27.SEP.2017 20:29:35

Channel 512

Date: 27.SEP.2017 20:28:56
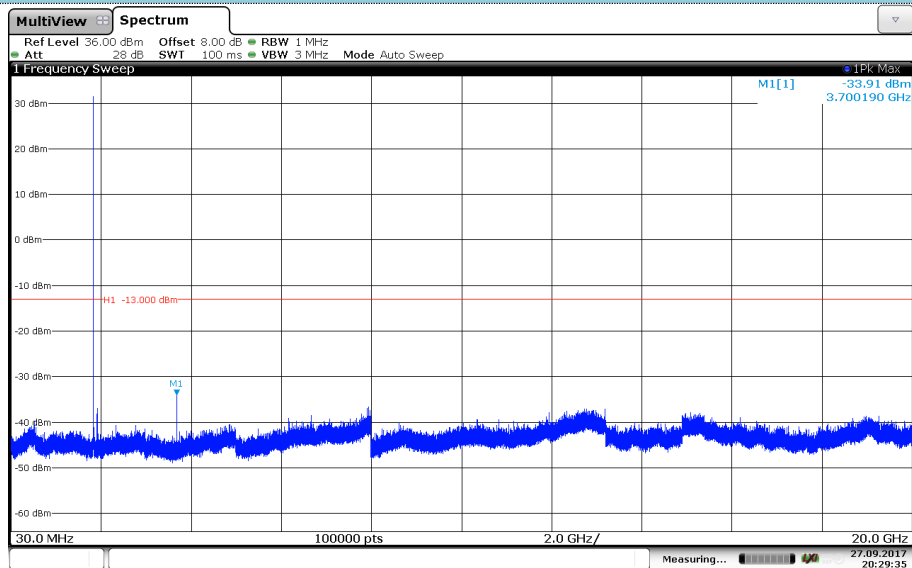
Channel 661
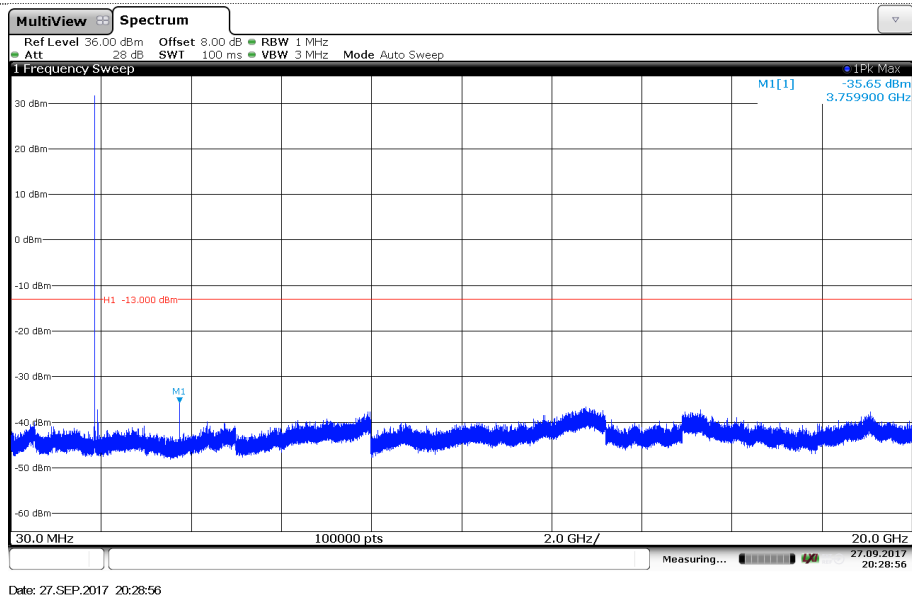
Date: 27.SEP.2017 20:27:49
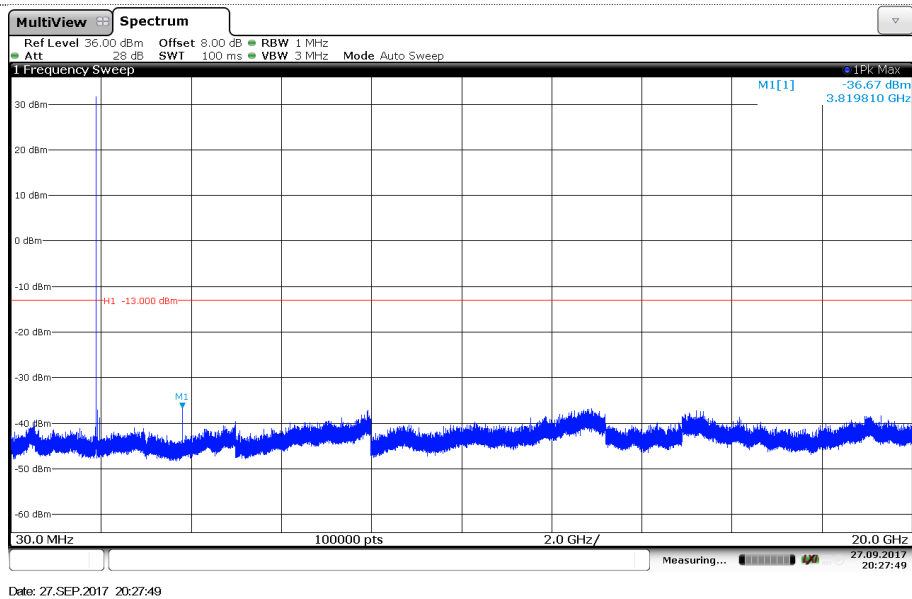
Channel 810
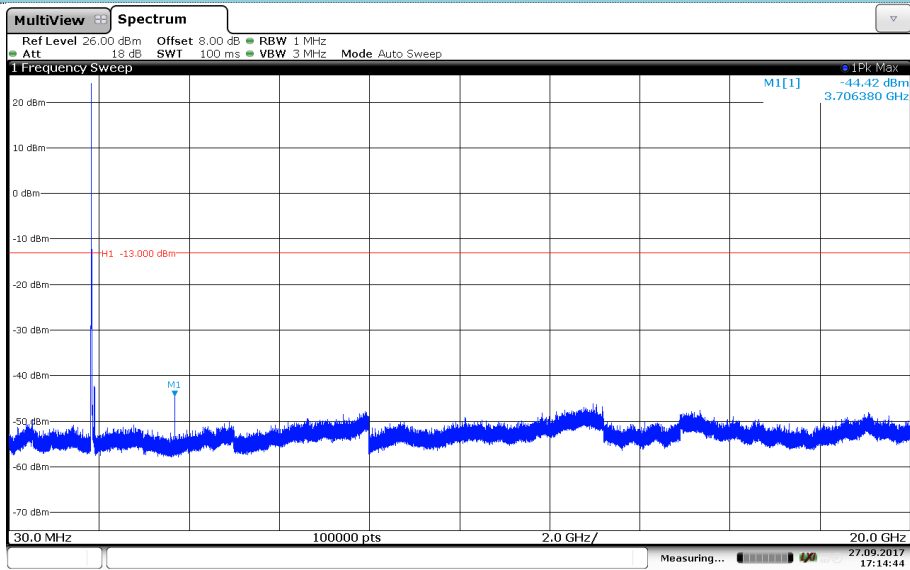
WCDMA Band II

Date: 27.SEP.2017 17:14:44

Channel 9262
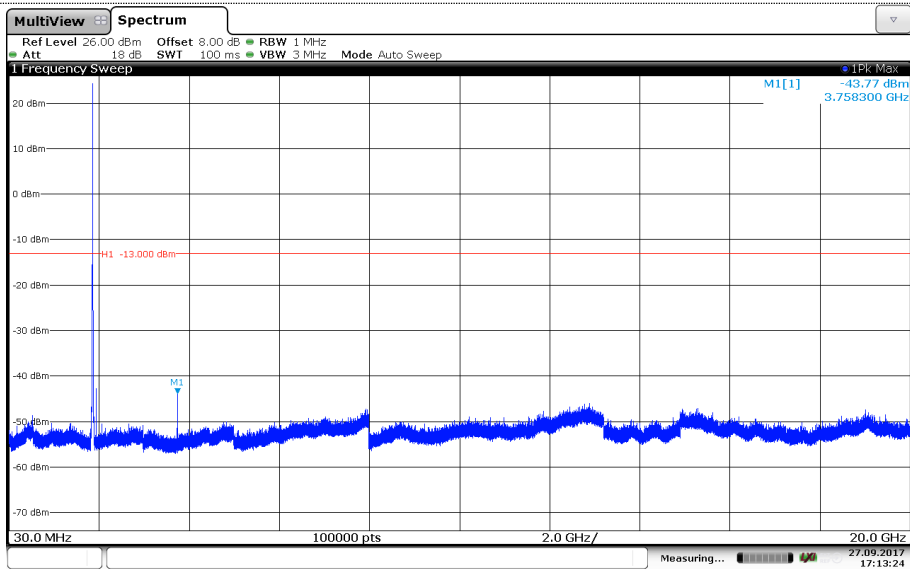
Date: 27.SEP.2017 17:13:24

Channel 9400
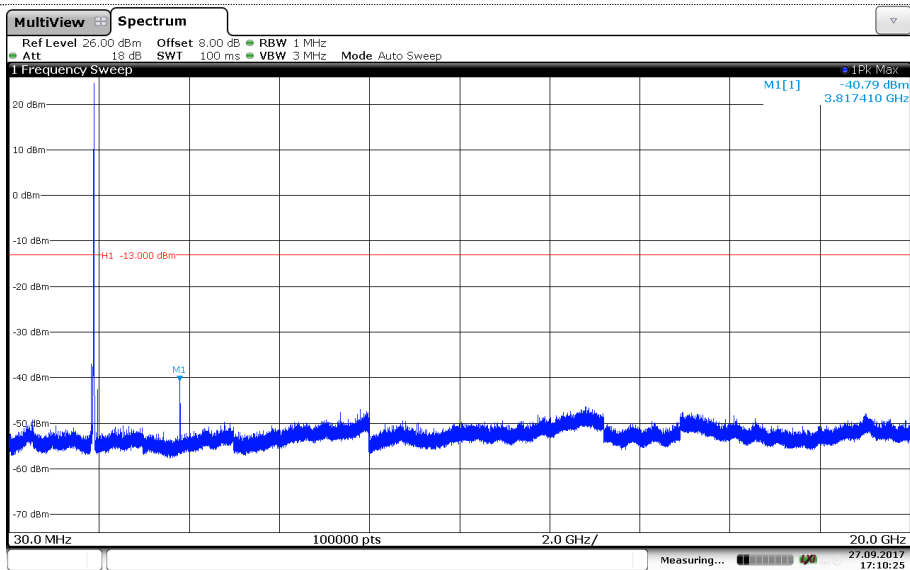
Date: 27.SEP.2017 17:10:26

Channel 9538

WCDMA Band V

MultiView   Spectrum

Ref Level 26.00 dBm   Offset 8.00 dB   ● RBW 1 MHz
● Att   18 dB   SWT   100 ms   ● VBW 3 MHz   Mode Auto Sweep

1 Frequency Sweep   ● 1Pk Max

M1[1]   -44.93 dBm
1.654920 GHz

H1 -13.000 dBm

M1

30.0 MHz   100000 pts   1.27 GHz/   12.75 GHz

Measuring...   27.09.2017 17:15:45
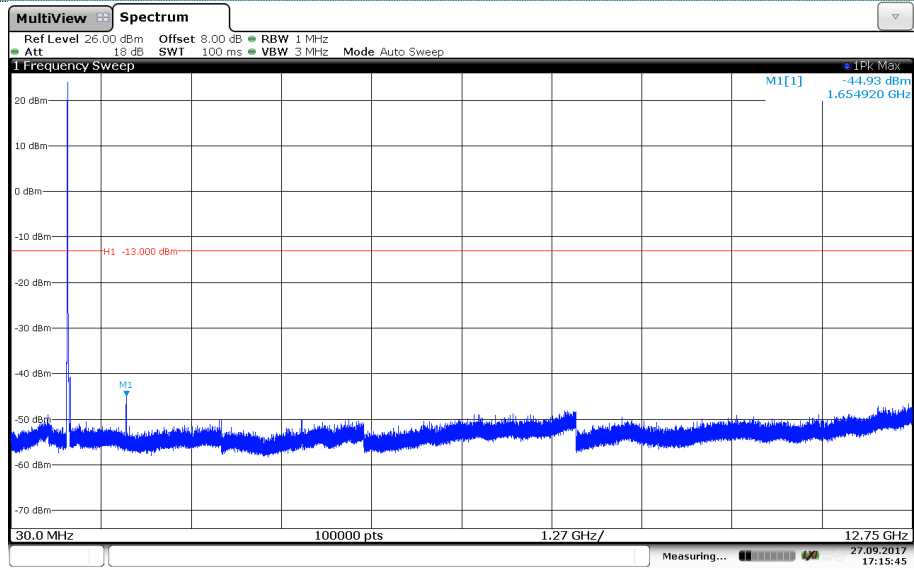
Date: 27.SEP.2017 17:15:45

Channel 4132

MultiView   Spectrum

Ref Level 26.00 dBm   Offset 8.00 dB   ● RBW 1 MHz
● Att   18 dB   SWT   100 ms   ● VBW 3 MHz   Mode Auto Sweep

1 Frequency Sweep   ● 1Pk Max

M1[1]   -39.75 dBm
1.674890 GHz

H1 -13.000 dBm

M1

30.0 MHz   100000 pts   1.27 GHz/   12.75 GHz

Measuring...   27.09.2017 17:16:29
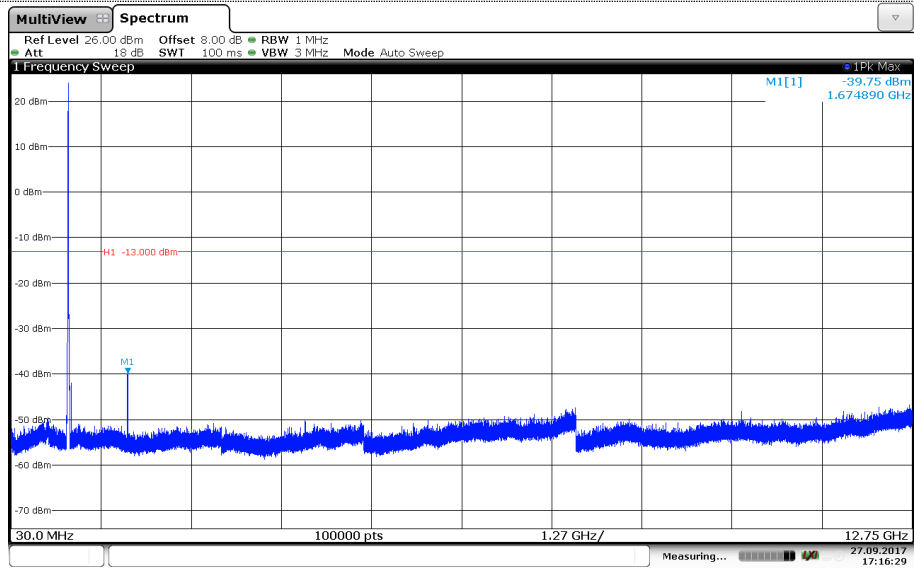
Date: 27.SEP.2017 17:16:29

Channel 4183

MultiView   Spectrum

Ref Level 26.00 dBm   Offset 8.00 dB   ● RBW 1 MHz
● Att   18 dB   SWT   100 ms   ● VBW 3 MHz   Mode Auto Sweep

1 Frequency Sweep   ● 1Pk Max

M1[1]   -42.43 dBm
1.695620 GHz

H1 -13.000 dBm

M1

30.0 MHz   100000 pts   1.27 GHz/   12.75 GHz

Measuring...   27.09.2017 17:17:32
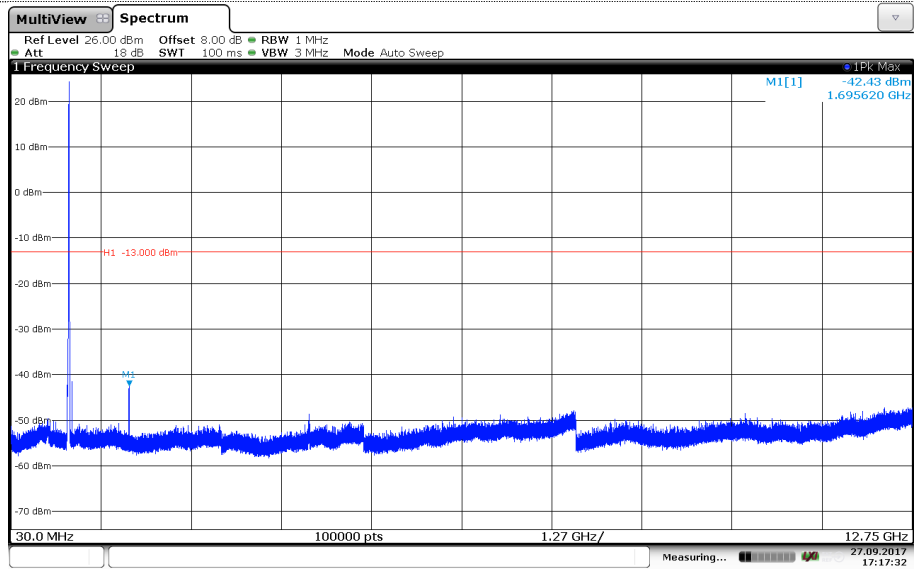
Date: 27.SEP.2017 17:17:32

Channel 4233

5.4. Band Edge

<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.

<u>**TEST CONFIGURATION**</u>

<u>**TEST PROCEDURE**</u>

1.   The RF output of the transceiver was connected to a spectrum analyzer through appropriateattenuation.

2.   For the bandedge: 2G:Set the RBW=3KHz, VBW = 10KHz, Sweep time= Auto

                    3G: Set the RBW=100KHz, VBW = 300KHz, Sweep time= Auto

<u>**TEST MODE:**</u>
Please refer to the clause 3.3

<u>**TEST RESULTS**</u>

☒ **Passed**   ☐ **Not Applicable**

GSM850					
Channel Number	Frequency (MHz)	Measurement Results		Limit (dBm)	Verdict
		Frequency(MHz)	Values(dBm)		
128	824.2	824	-15.31	-13.00	Pass
251	848.8	849	-16.11	-13.00	Pass

GPRS850					
Channel Number	Frequency (MHz)	Measurement Results		Limit (dBm)	Verdict
		Frequency(MHz)	Values(dBm)		
128	824.2	824	-13.18	-13.00	Pass
251	848.8	849	-14.1	-13.00	Pass

EGPRS850					
Channel Number	Frequency (MHz)	Measurement Results		Limit (dBm)	Verdict
		Frequency(MHz)	Values(dBm)		
128	824.2	824	-13.82	-13.00	Pass
251	848.8	849	-14.61	-13.00	Pass

PCS1900					
Channel Number	Frequency (MHz)	Measurement Results		Limit (dBm)	Verdict
		Frequency(MHz)	Values(dBm)		
512	1850.2	1850	-13.97	-13.00	Pass
810	1909.8	1910	-14.27	-13.00	Pass

GPRS1900					
Channel Number	Frequency (MHz)	Measurement Results		Limit (dBm)	Verdict
		Frequency(MHz)	Values(dBm)		
512	1850.2	1850	-13.91	-13.00	Pass
810	1909.8	1910	-14.85	-13.00	Pass

EGPRS1900					
Channel Number	Frequency (MHz)	Measurement Results		Limit (dBm)	Verdict
		Frequency(MHz)	Values(dBm)		
512	1850.2	1850	-14.89	-13.00	Pass
810	1909.8	1910	-15.35	-13.00	Pass

WCDMA Band II					
Channel Number	Frequency (MHz)	Measurement Results		Limit (dBm)	Verdict
		Frequency(MHz)	Values(dBm)		
9262	1852.4	1850	-18.68	-13.00	Pass
9538	1907.6	1910	-19.49	-13.00	Pass

WCDMA Band V					
Channel Number	Frequency (MHz)	Measurement Results		Limit (dBm)	Verdict
		Frequency(MHz)	Values(dBm)		
4132	826.4	824	-20.71	-13.00	Pass
4233	846.6	849	-19.43	-13.00	Pass

GSM850
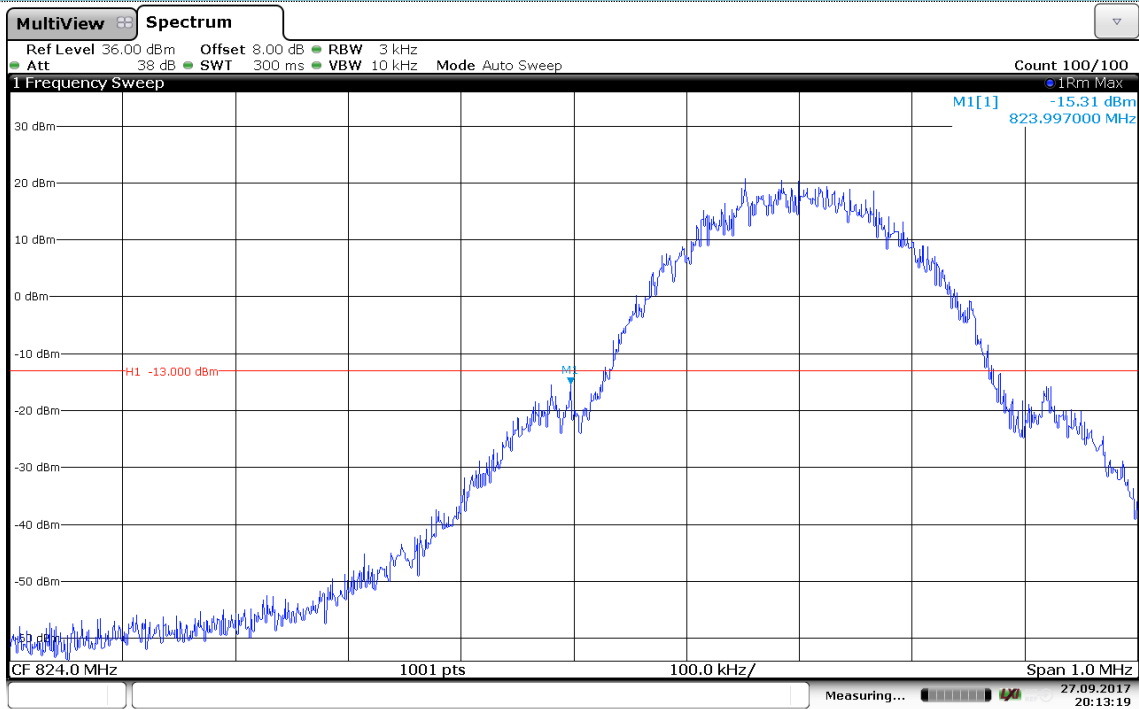
Date: 27.SEP.2017 20:13:19

Channel 128
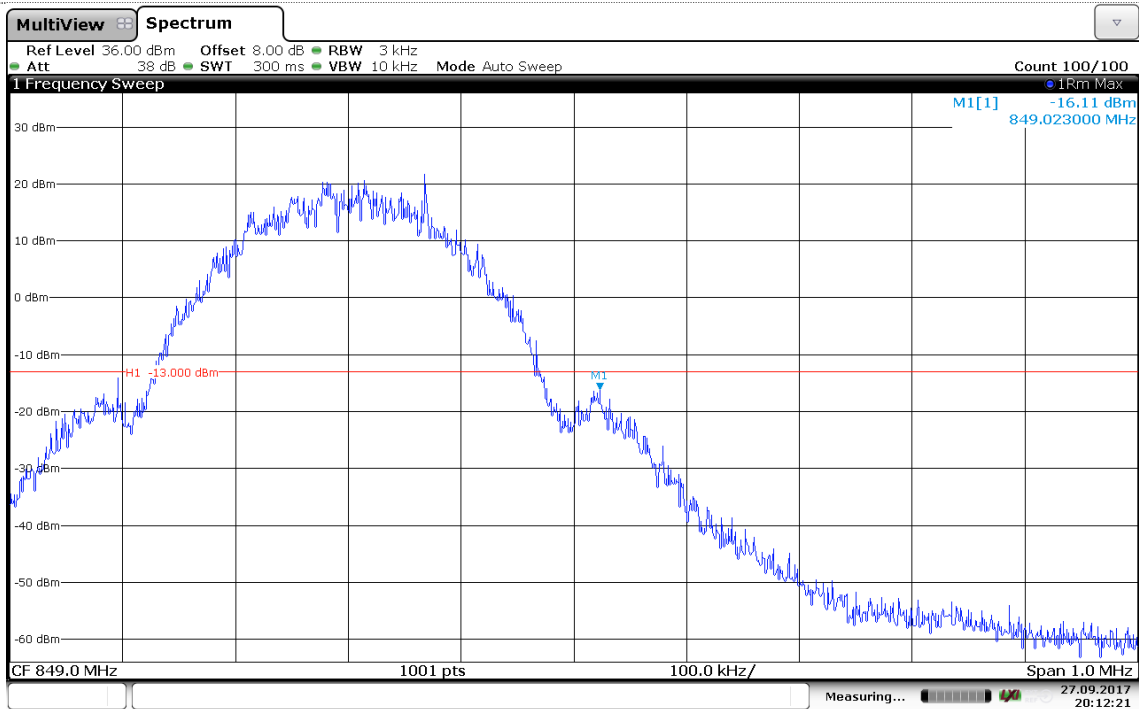
Date: 27.SEP.2017 20:12:22

Channel 251

GPRS850
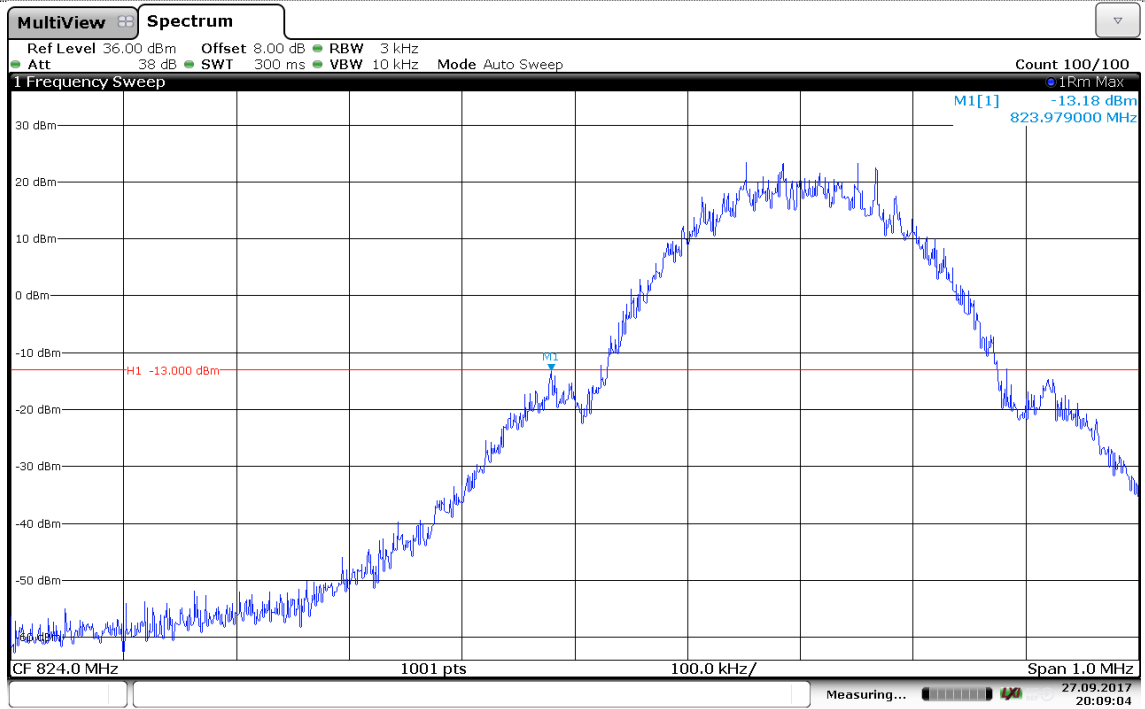
Date: 27.SEP.2017 20:09:04

Channel 128
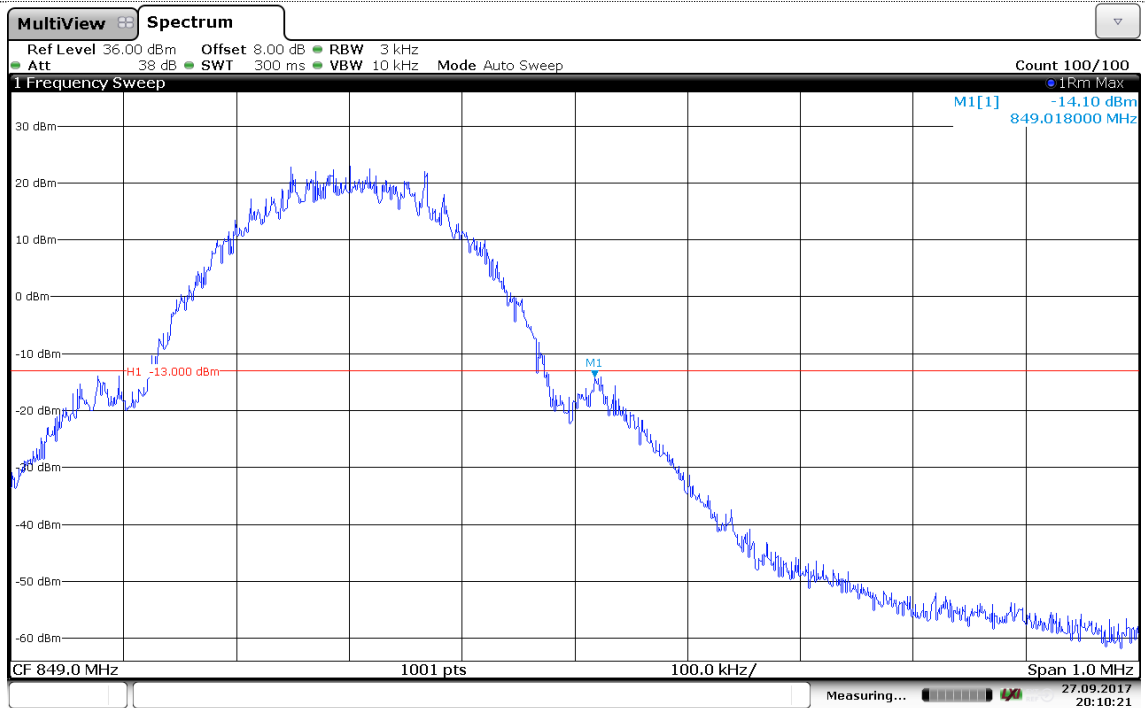
Date: 27.SEP.2017 20:10:21

Channel 251

EGPRS850
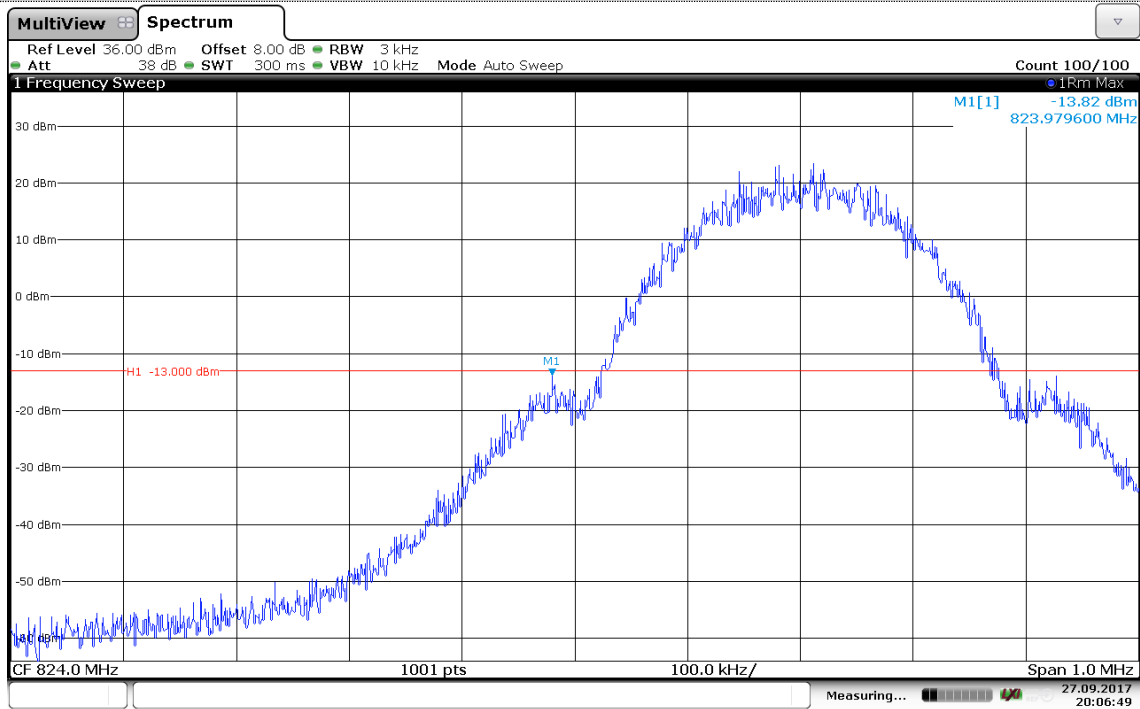
Date: 27.SEP.2017 20:06:48

Channel 128
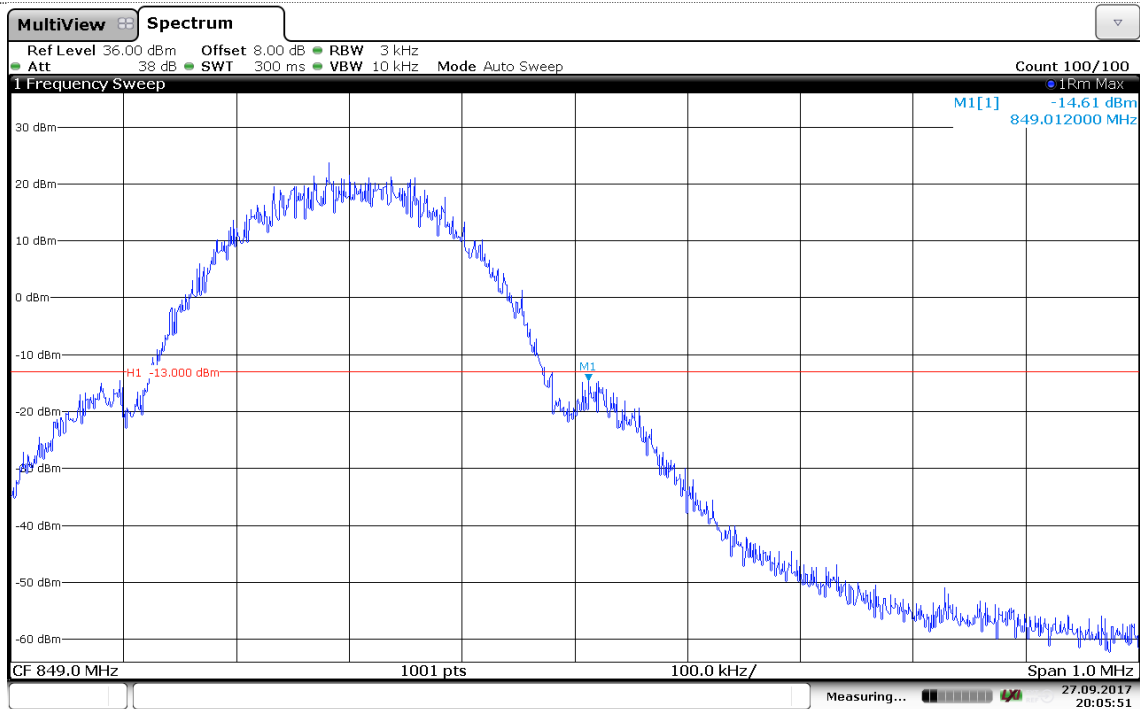
Date: 27.SEP.2017 20:05:51

Channel 251

PCS1900
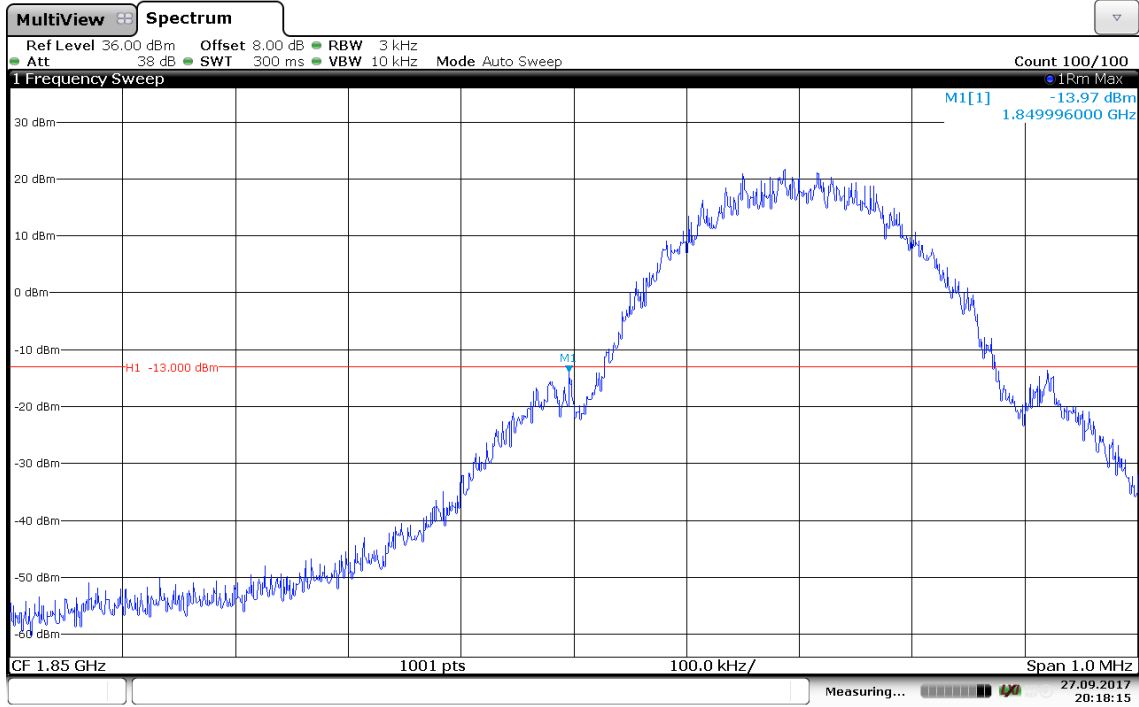
Date: 27.SEP.2017 20:18:15

Channel 512
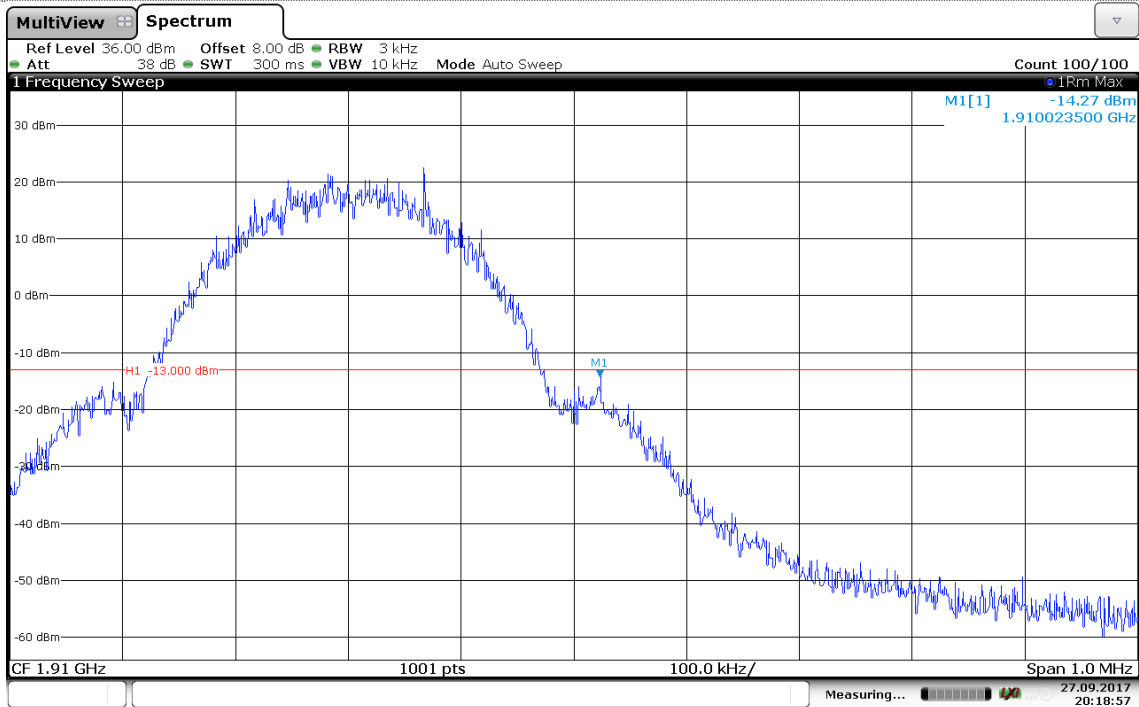
Date: 27.SEP.2017 20:18:57

Channel 810

GPRS1900

MultiView	Spectrum					▽

Ref Level 36.00 dBm   Offset 8.00 dB ● RBW   3 kHz
● Att   38 dB ● SWT   300 ms ● VBW 10 kHz   Mode Auto Sweep   Count 100/100
1 Frequency Sweep   ●1Rm Max

M1[1]   -13.91 dBm
1.849997000 GHz

30 dBm

20 dBm

10 dBm

0 dBm

-10 dBm
H1 -13.000 dBm   M1

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

CF 1.85 GHz   1001 pts   100.0 kHz/   Span 1.0 MHz

Measuring...   27.09.2017
20:21:20
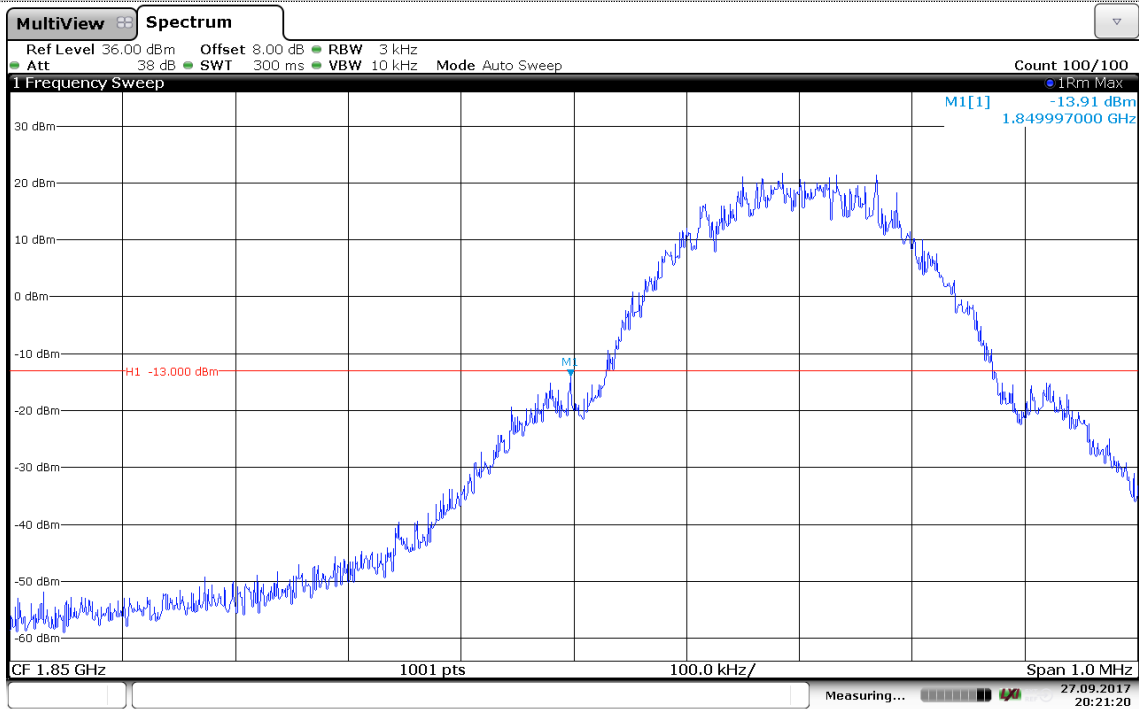
Date: 27.SEP.2017 20:21:20

Channel 512

MultiView	Spectrum					▽

Ref Level 36.00 dBm   Offset 8.00 dB ● RBW   3 kHz
● Att   38 dB ● SWT   300 ms ● VBW 10 kHz   Mode Auto Sweep   Count 100/100
1 Frequency Sweep   ●1Rm Max

M1[1]   -14.85 dBm
1.910020000 GHz

30 dBm

20 dBm

10 dBm

0 dBm

-10 dBm
H1 -13.000 dBm   M1

-20 dBm

-30 dBm

-40 dBm

-50 dBm

-60 dBm

CF 1.91 GHz   1001 pts   100.0 kHz/   Span 1.0 MHz

Measuring...   27.09.2017
20:20:30
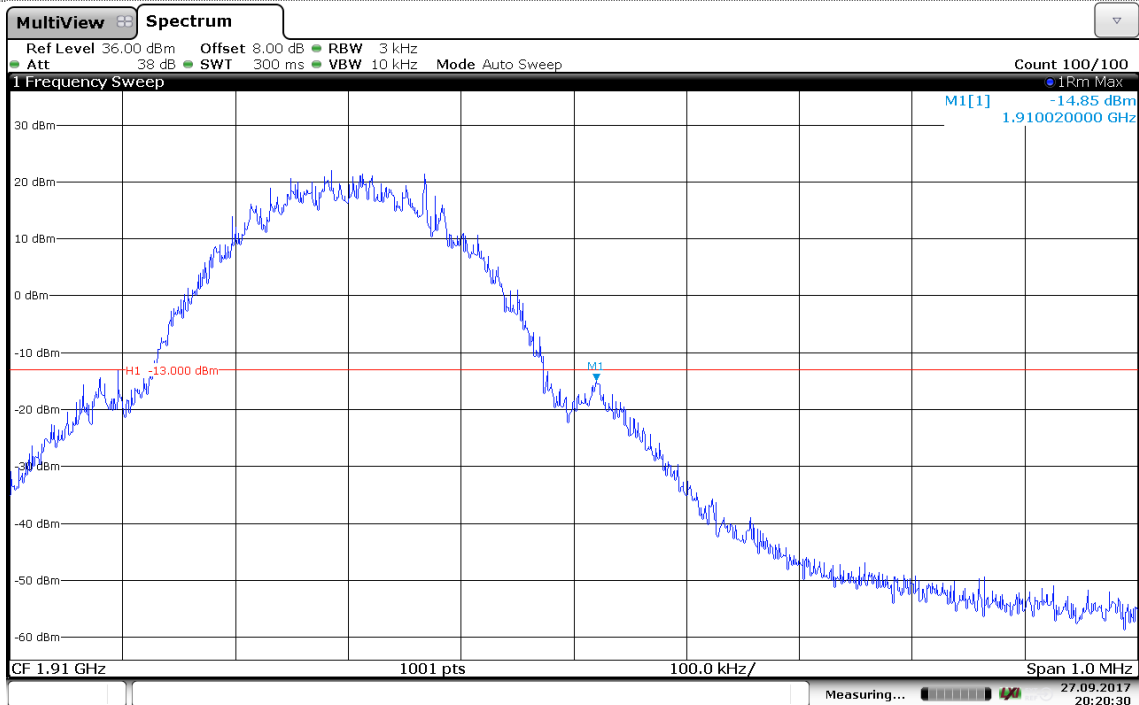
Date: 27.SEP.2017 20:20:31

Channel 810

EGPRS1900
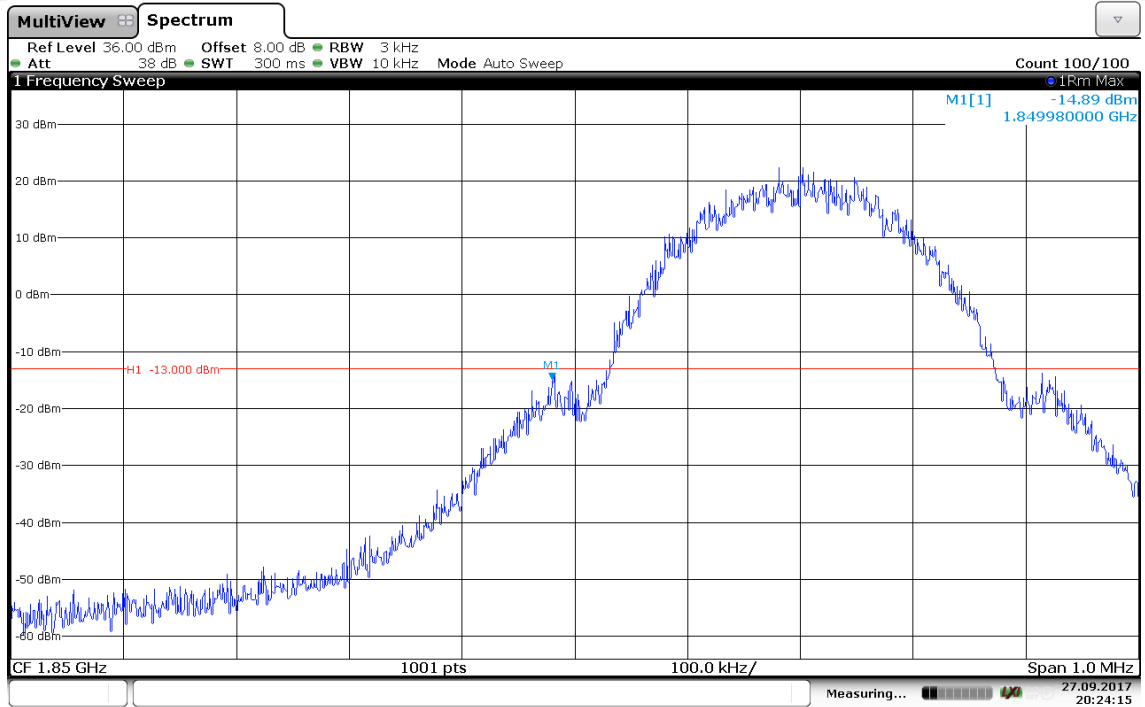
Date: 27.SEP.2017 20:24:15

Channel 512
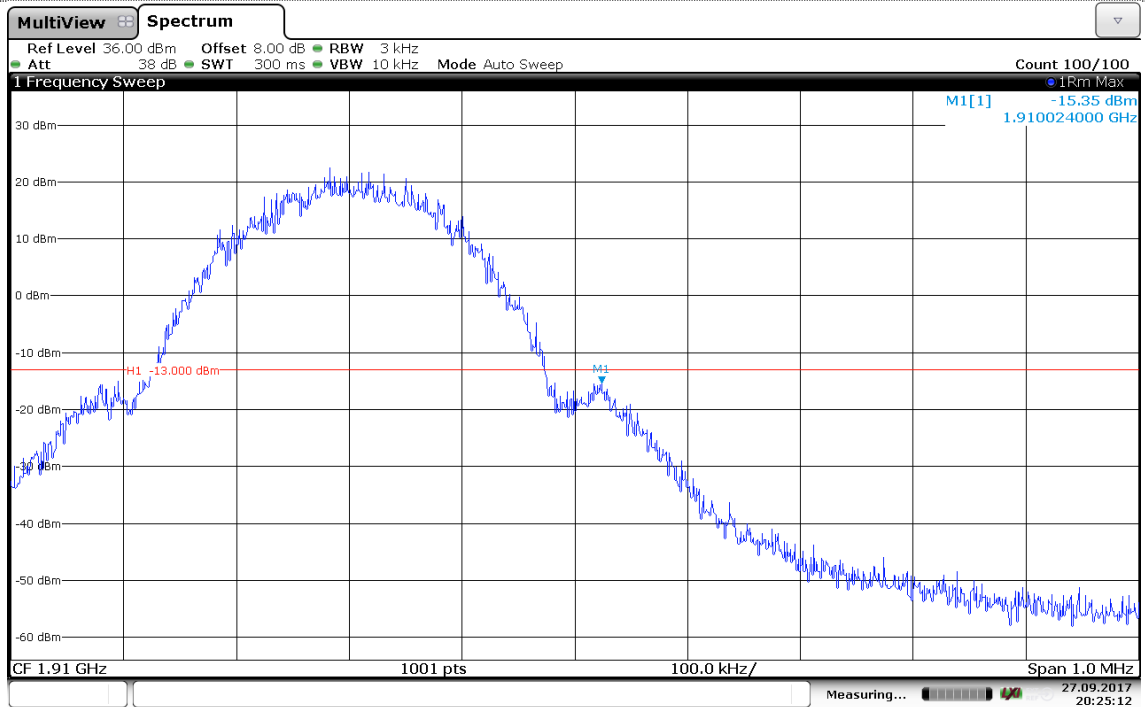
Date: 27.SEP.2017 20:25:12

Channel 810

WCDMA Band II

MultiView | **Spectrum**

Ref Level 36.00 dBm   Offset 8.00 dB ● RBW 100 kHz
● Att   38 dB ● SWT   300 ms ● VBW 300 kHz   Mode Auto Sweep
                                                                          Count 100/100
1 Frequency Sweep   ● 1Rm Max
                                                            M1[1]   -18.68 dBm
                                                                    1.85000000 GHz

30 dBm

20 dBm

10 dBm

0 dBm

-10 dBm
H1 -13.000 dBm

-20 dBm   M1

-30 dBm

-40 dBm

-50 dBm

-60 dBm

CF 1.85 GHz   1001 pts   1.0 MHz/   Span 10.0 MHz

Measuring...   27.09.2017 17:05:37
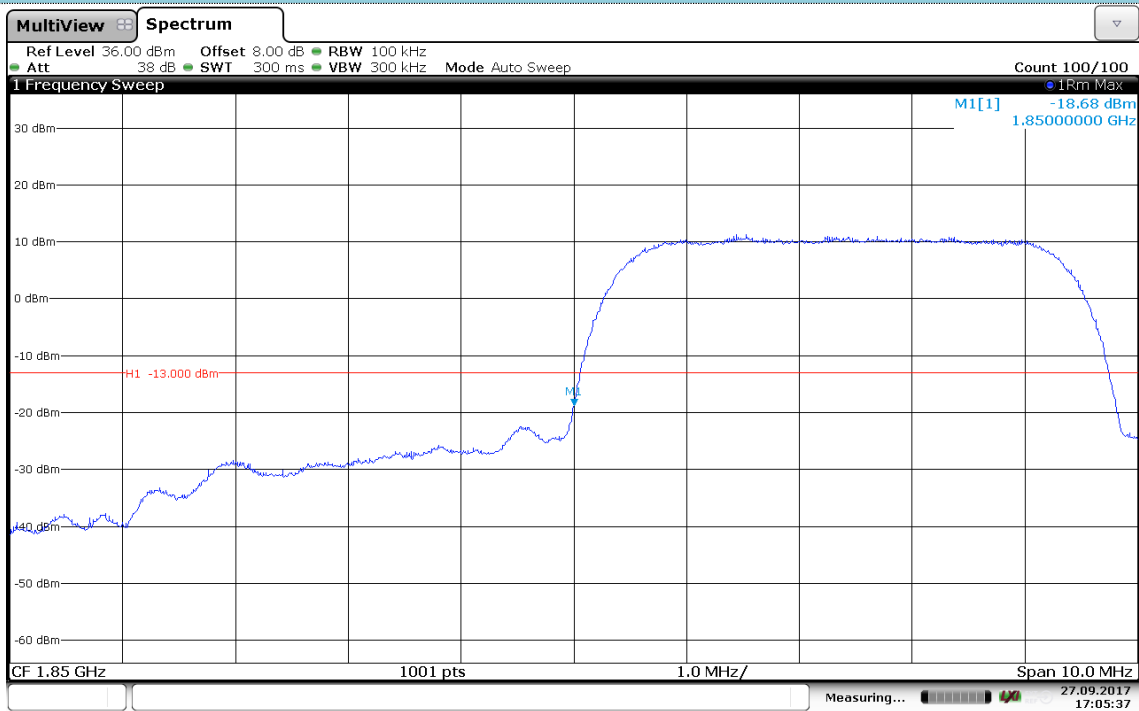
Date: 27.SEP.2017 17:05:37

Channel 9262

MultiView | **Spectrum**

Ref Level 36.00 dBm   Offset 8.00 dB ● RBW 100 kHz
● Att   38 dB ● SWT   300 ms ● VBW 300 kHz   Mode Auto Sweep
                                                                          Count 100/100
1 Frequency Sweep   ● 1Rm Max
                                                            M1[1]   -19.49 dBm
                                                                    1.91000000 GHz

30 dBm

20 dBm

10 dBm

0 dBm

-10 dBm
H1 -13.000 dBm

-20 dBm   M1

-30 dBm

-40 dBm

-50 dBm

-60 dBm

CF 1.91 GHz   1001 pts   1.0 MHz/   Span 10.0 MHz

Measuring...   27.09.2017 17:06:57
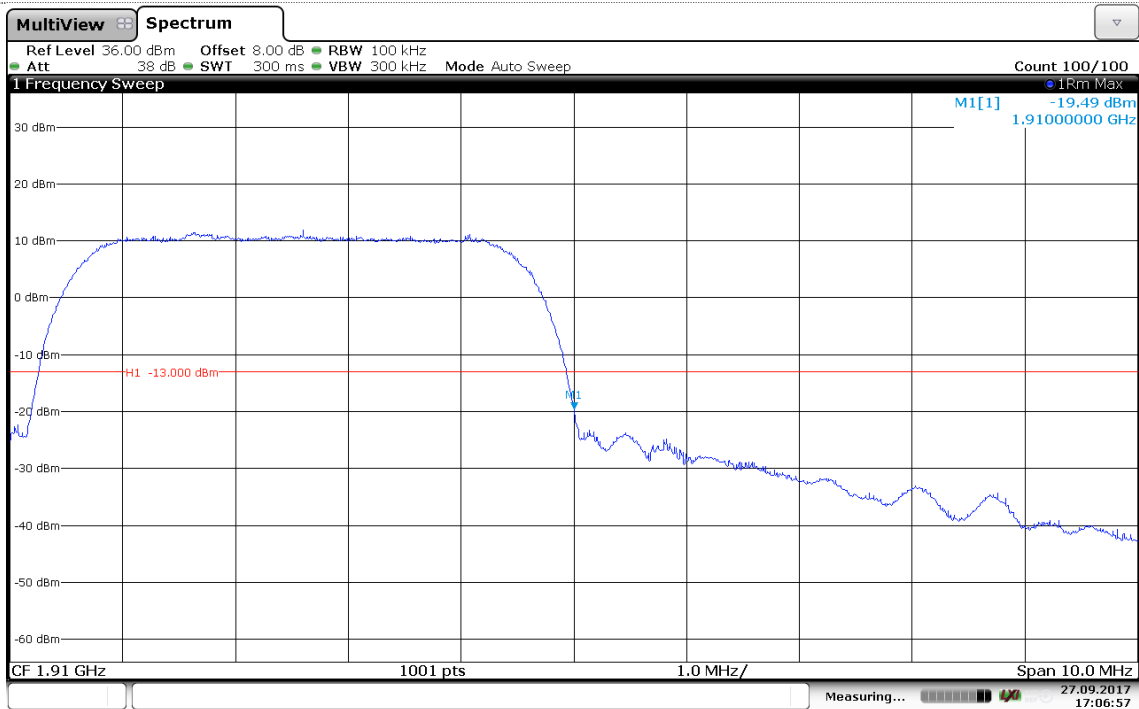
Date: 27.SEP.2017 17:06:58

Channel 9538

WCDMA Band V

Date: 27.SEP.2017 17:03:12

Channel 4132
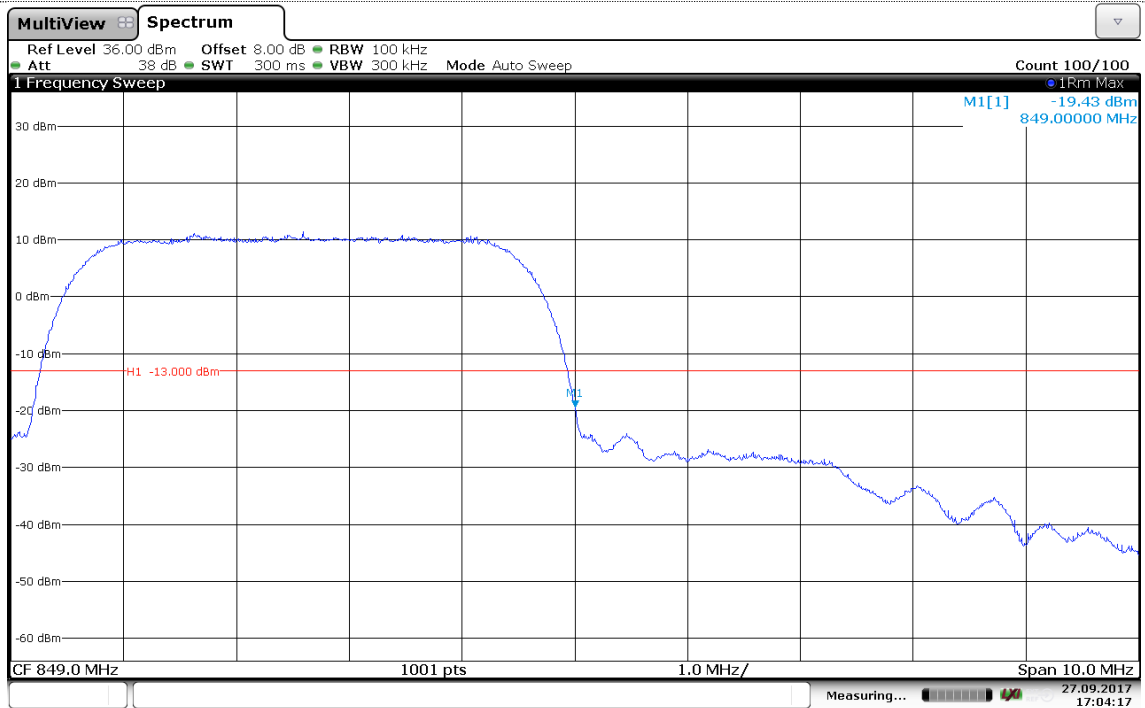
Date: 27.SEP.2017 17:04:17

Channel 4233

5.5. ERP and EIRP

__LIMIT__

GSM850/WCDMA Band V: 7W ERP

PCS1900/WCDMA Band II: 2W EIRP

WCDMA Band V: 1W EIRP

__TEST CONFIGURATION__
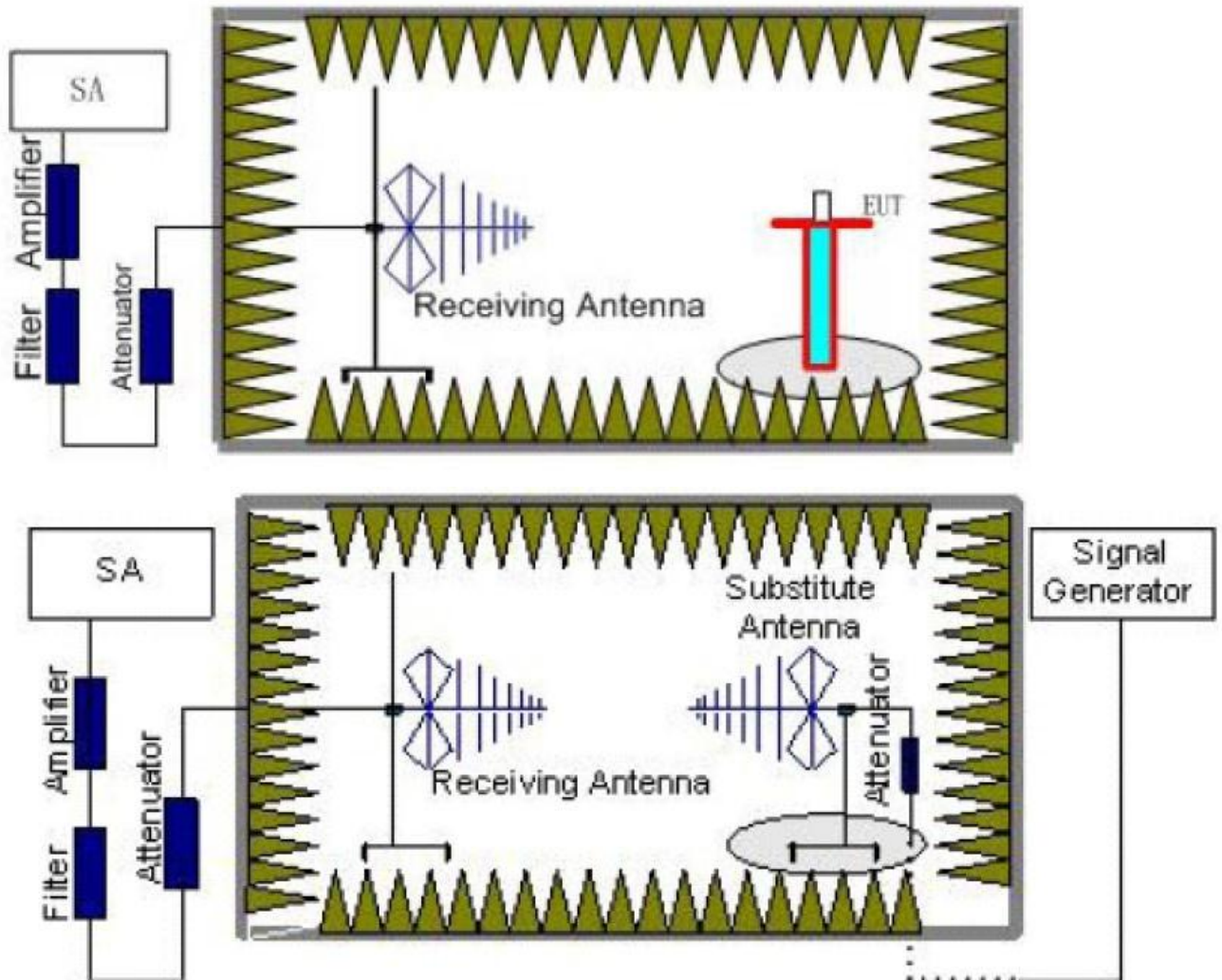
__TEST PROCEDURE__

1. EUT was placed on a 0.8 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 1.0m. 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.
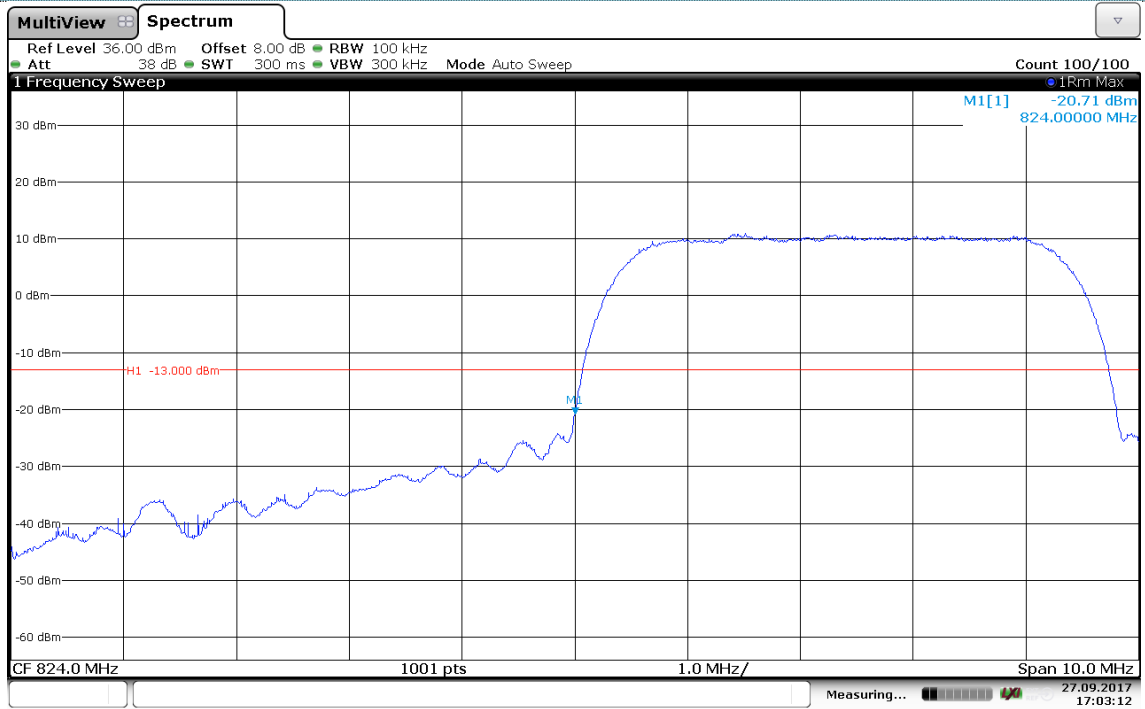
2. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions 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 for above 1GHz and RBW=100kHz,VBW=300kHz for 30MHz to 1GHz,, 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 isconnected 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.

5. 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.

6. 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.

TEST MODE:
Please refer to the clause 3.3

TEST RESULTS

☒ **Passed**   ☐ **Not Applicable**

Mode	Channel	Antenna Pol.	ERP	Limit (dBm)	Result
GSM850	128	V	33.11	38.45	Pass
		H	28.13		
	190	V	32.23		
		H	28.76		
	251	V	33.86		
		H	29.69		
GPRS850	128	V	32.76	38.45	Pass
		H	27.51		
	190	V	32.12		
		H	27.79		
	251	V	32.45		
		H	28.66		
EGPRS850	128	V	32.57	38.45	Pass
		H	27.66		
	190	V	31.79		
		H	27.12		
	251	V	32.02		
		H	27.11		

Mode	Channel	Antenna Pol.	EIRP	Limit (dBm)	Result
PCS1900	512	V	29.12	33.00	Pass
		H	29.43		
	661	V	29.84		
		H	29.86		
	810	V	27.75		
		H	30.10		
GPRS1900	512	V	29.07	33.00	Pass
		H	28.11		
	661	V	29.44		
		H	29.43		
	810	V	27.68		
		H	29.55		
EGPRS1900	512	V	29.33	33.00	Pass
		H	28.43		
	661	V	28.75		
		H	27.53		
	810	V	27.41		
		H	28.99		

Mode	Channel	Antenna Pol.	EIRP	Limit (dBm)	Result
WCDMA Band II	9262	V	18.11	33.00	Pass
		H	19.79		
	9400	V	20.01		
		H	18.98		
	9538	V	20.12		
		H	22.89		

Mode	Channel	Antenna Pol.	ERP	Limit (dBm)	Result
WCDMA Band V	4132	V	17.57	38.45	Pass
		H	17.35		
	4183	V	19.00		
		H	18.24		
	4233	V	19.65		
		H	17.63		

5.6. Radiated Spurious Emission

LIMIT

-13dBm

TEST CONFIGURATION
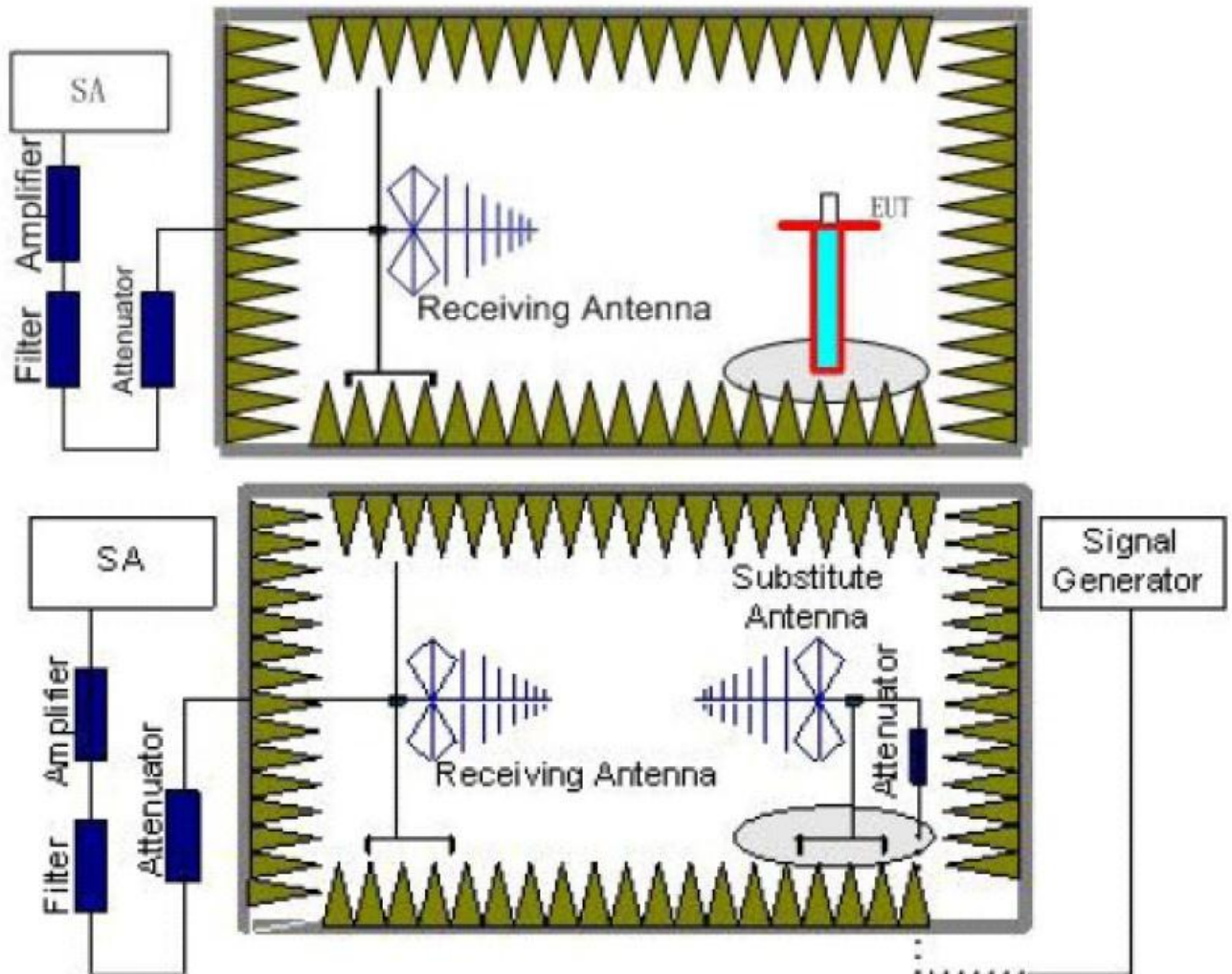
TEST RESULTS

1. EUT was placed on a 0.8 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 1.0m. 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 for above 1GHz and RBW=100kHz,VBW=300kHz for 30MHz to 1GHz, 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 isconnected 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.

5. 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.

6. 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 substitution 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.

TEST MODE:
Please refer to the clause 3.3

TEST RESULTS

☒ **Passed**   ☐ **Not Applicable**

Note: Worst case at GSM850/PCS1900/WCDMA B2/B5

GSM850					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
128	182.21	Vertical	-57.15	-13.00	Pass
	259.91	V	-48.46		
	1648.51	V	-36.55		
	2472.57	V	-47.33		
	4119.70	V	-14.86		
	4945.67	V	-27.37		
	182.21	Horizontal	-58.18	-13.00	Pass
	259.91	H	-43.40		
	1648.51	H	-38.77		
	2472.57	H	-44.08		
	4119.70	H	-16.83		
	4945.67	H	-28.57		
190	182.21	Vertical	-58.54	-13.00	Pass
	259.91	V	-50.39		
	1674.06	V	-38.67		
	1891.17	V	-46.61		
	4179.88	V	-14.98		
	5017.92	V	-25.42		
	182.21	Horizontal	-59.14	-13.00	Pass
	259.91	H	-52.75		
	1674.06	H	-42.22		
	2510.89	H	-44.17		
	4179.88	H	-19.20		
	5017.92	H	-24.14		
251	182.21	Vertical	-56.93	-13.00	Pass
	259.91	V	-45.35		
	1698.14	V	-41.02		
	2547.01	V	-47.16		
	4240.94	V	-20.29		
	5091.22	V	-26.26		
	182.21	Horizontal	-56.84	-13.00	Pass
	259.91	H	-52.42		
	1698.14	H	-42.55		
	2547.01	H	-44.89		
	5091.22	H	-26.89		
	5945.86	H	-39.08		

Remark:
1. The emission behaviour belongs to narrowband spurious emission.
2. The emission levels of not record in the report are very lower than the limit and not show in test report.

PCS1900					
Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
512	182.21	Vertical	-65.17	-13.00	Pass
	259.91	V	-54.15		
	1094.27	V	-48.62		
	1196.11	V	-48.67		
	3700.48	V	-33.82		
	5554.08	V	-48.47		
	156.09	Horizontal	-63.63	-13.00	Pass
	259.91	H	-51.28		
	1260.88	H	-53.13		
	2262.04	H	-48.81		
	3700.48	H	-33.16		
	5554.08	H	-43.21		
661	182.21	Vertical	-63.29	-13.00	Pass
	259.91	V	-51.58		
	1429.11	V	-53.12		
	2340.41	V	-49.42		
	3759.98	V	-35.24		
	5643.40	V	-38.90		
	156.09	Horizontal	-58.01	-13.00	Pass
	182.21	H	-56.72		
	1196.11	H	-51.20		
	2264.53	H	-48.59		
	3759.98	H	-34.17		
	5643.40	H	-45.01		
810	169.24	Vertical	-75.17	-13.00	Pass
	259.91	V	-50.86		
	1091.87	V	-52.57		
	1674.06	V	-52.61		
	3820.45	V	-38.20		
	5725.84	V	-39.78		
	156.09	Horizontal	-57.55	-13.00	Pass
	259.91	H	-50.99		
	1197.42	H	-51.62		
	1513.13	H	-52.33		
	3820.45	H	-36.14		
	5725.84	H	-38.81		

Remark:
1. The emission behaviour belongs to narrowband spurious emission.
2. The emission levels of not record in the report are very lower than the limit and not show in test report.

Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
WCDMA Band II					
9262	43.86	Vertical	-63.24	-13.00	Pass
	266.39	V	-54.69		
	1095.47	V	-48.18		
	2340.41	V	-50.72		
	3705.85	V	-53.45		
	4113.73	V	-51.64		
	184.14	Horizontal	-64.72	-13.00	Pass
	266.39	H	-59.33		
	1290.30	H	-52.01		
	2580.81	H	-46.21		
	3705.85	H	-49.89		
	7252.75	H	-49.23		
9400	143.46	Vertical	-70.03	-13.00	Pass
	266.39	V	-50.33		
	1290.30	V	-51.24		
	2580.81	V	-44.45		
	3754.53	V	-54.49		
	5643.40	V	-50.51		
	143.46	Horizontal	-61.99	-13.00	Pass
	245.69	H	-65.10		
	1196.11	H	-52.07		
	1778.33	H	-48.10		
	3759.98	H	-53.28		
	5635.22	H	-49.77		
9538	43.71	Vertical	-62.63	-13.00	Pass
	266.39	V	-56.61		
	1197.42	V	-52.72		
	1290.30	V	-51.07		
	3814.91	V	-52.29		
	9539.87	V	-37.72		
	99.87	Horizontal	-72.29	-13.00	Pass
	266.39	H	-61.86		
	1260.88	H	-53.77		
	1574.17	H	-53.31		
	3814.91	H	-54.87		
	9553.71	H	-40.57		

Remark:
1. The emission behaviour belongs to narrowband spurious emission.
2. The emission levels of not record in the report are very lower than the limit and not show in test report.

| Channel	Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
		Polarization	Level (dBm)		
4132	266.39	Vertical	-52.82	-13.00	Pass
	784.27	V	-45.79		
	1097.88	V	-51.56		
	1741.59	V	-40.24		
	4131.67	V	-50.63		
	4960.04	V	-49.74		
	143.46	Horizontal	-62.25	-13.00	Pass
	316.45	H	-46.75		
	1653.95	H	-46.07		
	1762.77	H	-47.25		
	3309.48	H	-53.70		
	4137.66	H	-42.52		
4183	74.85	Vertical	-72.93	-13.00	Pass
	266.39	V	-66.20		
	1290.30	V	-53.07		
	2330.15	V	-50.28		
	3343.25	V	-56.32		
	4173.82	V	-41.13		
	143.46	Horizontal	-63.09	-13.00	Pass
	184.14	H	-62.84		
	1290.30	H	-51.58		
	2432.15	H	-46.23		
	4185.95	H	-42.76		
	5010.65	H	-47.29		
4233	46.73	Vertical	-68.45	-13.00	Pass
	266.39	V	-52.55		
	1694.41	V	-40.88		
	2580.81	V	-47.52		
	3387.17	V	-52.85		
	4234.80	V	-40.63		
	43.55	Horizontal	-62.36	-13.00	Pass
	266.39	H	-57.43		
	1197.42	H	-50.11		
	1694.41	H	-40.88		
	4234.80	H	-40.65		
	5083.85	H	-48.15		

Table title: WCDMA Band V

Remark:
1. The emission behaviour belongs to narrowband spurious emission.
2. The emission levels of not record in the report are very lower than the limit and not show in test report.

5.7. Frequency stability V.S. Temperature measurement

LIMIT

2.5ppm

TEST CONFIGURATION
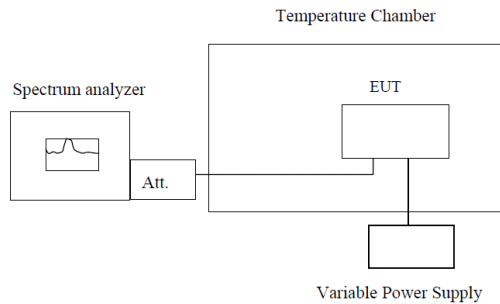
Note :   Measurement setup for testing on Antenna connector

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.

4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°Coperating 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°C increased per stage until the highest temperature of +50°C reached.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed**   ☐ **Not Applicable**

Note:Worst case at GSM850/PCS1900/WCDMA B2/B5 mid channel

Reference Frequency: GSM850 Middle channel=190 channel=836.6MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	4.07	0.005	2.50	Pass
	-20	1.61	0.002		
	-10	2.39	0.003		
	0	3.81	0.005		
	10	2.45	0.003		
	20	3	0.004		
	30	2.62	0.003		
	40	5.42	0.006		
	50	1.78	0.002		

| Reference Frequency: PCS1900 Middle channel=661 channel=1880MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	3.1	0.002	2.50	Pass
	-20	12.49	0.007		
	-10	0.68	0.000		
	0	18.27	0.010		
	10	1.52	0.001		
	20	8.07	0.004		
	30	1.84	0.001		
	40	4.81	0.003		
	50	9.46	0.005		

Reference Frequency: WCDMA Band II Middle channel=9400 channel=1880MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	12.68	0.007	2.50	Pass
	-20	21.32	0.011		
	-10	20.71	0.011		
	0	17.06	0.009		
	10	19.58	0.010		
	20	16.92	0.009		
	30	23.55	0.013		
	40	16.09	0.009		
	50	22.37	0.012		

Reference Frequency: WCDMA Band V Middle channel=4182 channel=836.6MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	9.92	0.012	2.50	Pass
	-20	10.23	0.012		
	-10	8.71	0.010		
	0	11.02	0.013		
	10	9.43	0.011		
	20	12.42	0.015		
	30	7.27	0.009		
	40	10.55	0.013		
	50	8.47	0.010		

5.8. Frequency stability V.S. Voltage measurement

LIMIT

2.5ppm

TEST CONFIGURATION
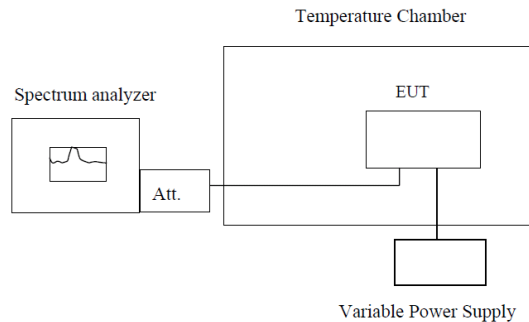
Note : Measurement setup for testing on Antenna connector

TEST PROCEDURE

1. Set chamber temperature to 25℃. Use a variable DC power source topower the EUT and set the voltage to rated voltage.

2. Set the spectrum analyzer RBW lowenough to obtain the desired frequency resolution and recorded the frequency.

3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, recordthe maximum frequency change.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed**   ☐ **Not Applicable**

Note:Worst case at GSM850/PCS1900/WCDMA B2/ B5 mid channel

Reference Frequency: GSM850 (GSM link) Middle channel=190 channel=836.6MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.35	3.00	0.004	2.50	Pass
	3.80	2.62	0.003		
	3.60	5.42	0.006		

Reference Frequency: PCS1900 (GSM link) Middle channel=661 channel=1880MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.35	8.07	0.004	2.50	Pass
	3.80	1.84	0.001		
	3.60	4.81	0.003		

Reference Frequency: WCDMA Band II Middle channel=9400 channel=1880MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm) Result	
		Hz	ppm		
25	4.35	16.92	0.009	2.50	Pass
	3.80	23.55	0.013		
	3.60	16.09	0.009		

Reference Frequency: WCDMA Band V Middle channel=4183 channel=836.6MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.35	12.42	0.015	2.50	Pass
	3.80	7.27	0.009		
	3.60	10.55	0.013		

5.9. Peak-Average Ratio

LIMIT

13dB

TEST CONFIGURATION
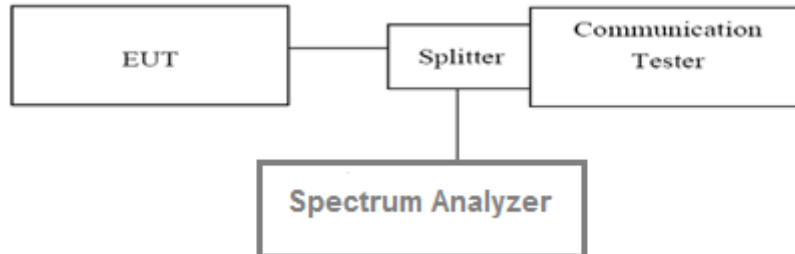
TEST PROCEDURE

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. Forcontinuoussignals(>98% duty cycle), the measurement interval was set to 1ms. For bursttransmissions, the spectrum analyzer is set to use an internal " RF Burst" trigger that issynced with an incoming pulse and the measurement interval is set to less than the durationof the " on time" of one burst to ensure that energy is only captured during a time in whichthetransmitter is operating at maximum power

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

☒ **Passed**   ☐ **Not Applicable**

Band	Channel	Frequency(MHz)	PAR	Limit(dB)	Result
PCS1900	512	1850.2	2.67	13.00	Pass
	661	1880.0	2.66	13.00	Pass
	810	1909.8	2.66	13.00	Pass

Band	Channel	Frequency(MHz)	PAR	Limit(dB)	Result
WCDMA BAND II	9262	1852.4	2.57	13.00	Pass
	9400	1880.0	2.66	13.00	Pass
	9538	1907.6	2.87	13.00	Pass

6. <u>Test Setup Photos of the EUT</u>

Radiated emission:

6. <u>Test Setup Photos of the EUT</u>
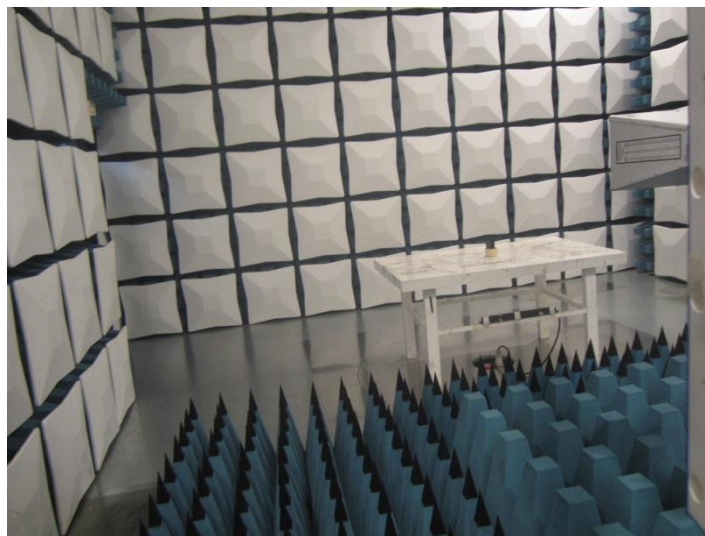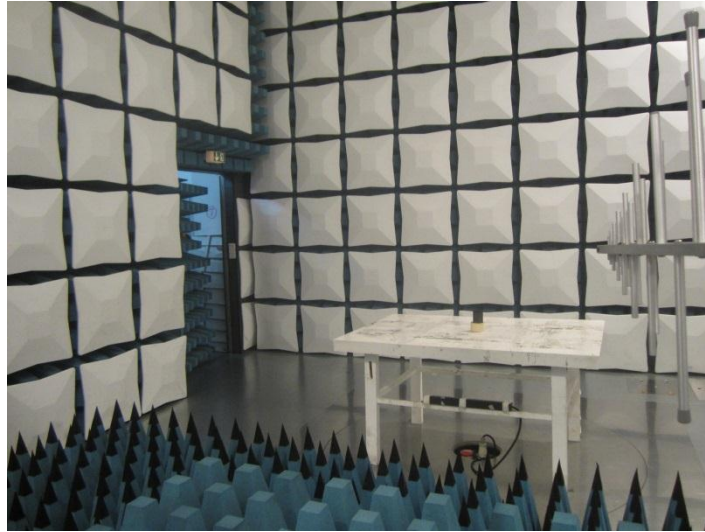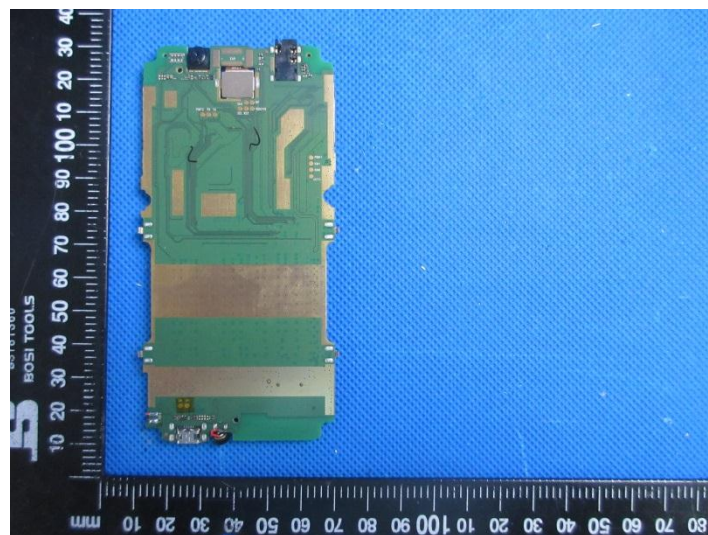
7. External and Internal Photos of the EUT

External photos of the EUT
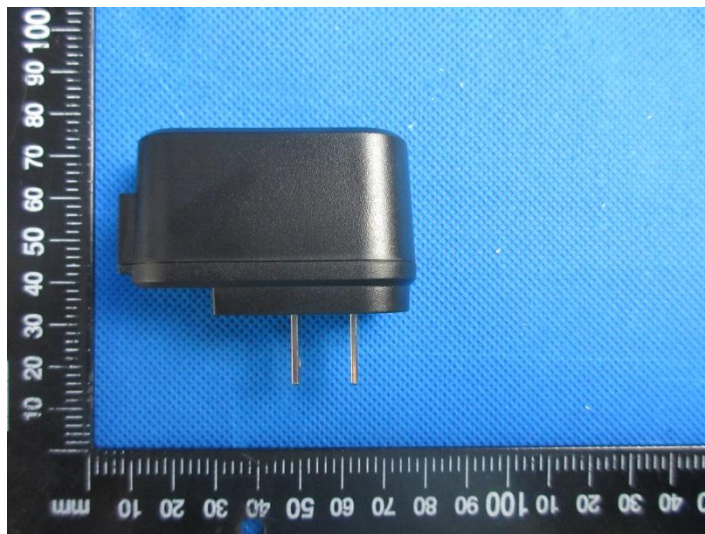
Internal photos of the EUT

GSM/WCDMA/LTE ANT

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