



Full

TEST REPORT

No. I18D00012-SRD01

For

Client : Shanghai BroadMobi Communication

Technology Co., Ltd.

Production : LTE Wireless Module

Model Name : BM817C

FCC ID: 2AON8-BM817C

Hardware Version: P700A_MB_V1.0

Software Version: M1.0.3_E1.0.0_A1.0.2

Issued date: 2018-03-14

Note:

The test results in this test report relate only to the devices specified in this report. This report shall not be reproduced except in full without the written approval of ECIT Shanghai.

Test Laboratory:

ECIT Shanghai, East China Institute of Telecommunications

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Tel: (+86)-021-63843300, E-Mail: welcome@ecit.org.cn

Revision Version

Report Number	Revision	Date	Memo
I18D00012-SRD01	00	2018-03-02	Initial creation of test report
I18D00012-SRD01	01	2018-03-13	Second creation of test report
I18D00012-SRD01	02	2018-03-14	Third creation of test report

CONTENTS

1.	TEST LABORATORY	5
1.1.	TESTING LOCATION	5
1.2.	TESTING ENVIRONMENT	5
1.3.	PROJECT DATA.....	5
1.4.	SIGNATURE	5
2.	CLIENT INFORMATION	6
2.1.	APPLICANT INFORMATION	6
2.2.	MANUFACTURER INFORMATION	6
3.	EQUIPMENT UNDER TEST (EUT) AND ANCILLARY EQUIPMENT (AE)	7
3.1.	ABOUT EUT	7
3.2.	INTERNAL IDENTIFICATION OF EUT USED DURING THE TEST.....	7
3.3.	INTERNAL IDENTIFICATION OF AE USED DURING THE TEST	7
3.4.	STATEMENTS.....	7
4.	REFERENCE DOCUMENTS.....	8
4.1.	REFERENCE DOCUMENTS FOR TESTING	8
5.	SUMMARY OF TEST RESULTS.....	9
6.	TEST EQUIPMENT UTILIZED	10
7.	TEST ENVIRONMENT	12
ANNEX A.	MEASUREMENT RESULTS.....	13
ANNEX A.1.	OUTPUT POWER	13
ANNEX A.2.	PEAK-TO-AVERAGE POWER RATIO	15
ANNEX A.3.	OCCUPIED BANDWIDTH	17
ANNEX A.4.	-26DB EMISSION BANDWIDTH	31
ANNEX A.5.	BAND EDGE AT ANTENNA TERMINALS.....	45
ANNEX A.6.	FREQUENCY STABILITY.....	53

ANNEX A.7. CONDUCTED SPURIOUS EMISSION.....	59
ANNEX A.8. RADIATED.....	76
ANNEX B. DEVIATIONS FROM PRESCRIBED TEST METHODS.....	95

1. Test Laboratory

1.1. Testing Location

Company Name:	ECIT Shanghai, East China Institute of Telecommunications
Address:	7-8F, G Area, No. 668, Beijing East Road, Huangpu District, Shanghai, P. R. China
Postal Code:	200001
Telephone:	(+86)-021-63843300
Fax:	(+86)-021-63843301

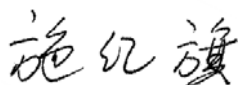
1.2. Testing Environment

Normal Temperature:	15-35°C
Extreme Temperature:	-10/+55°C
Relative Humidity:	20-75%

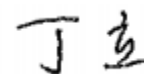
1.3. Project data

Project Leader:	Ning Kang
Testing Start Date:	2018-01-07
Testing End Date:	2018-03-12

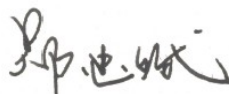
1.4. Signature



Shi Hongqi
(Prepared this test report)



Ding Li
(Reviewed this test report)



Zheng Zhongbin
Director of the laboratory
(Approved this test report)

2. Client Information

2.1. Applicant Information

Company Name: Shanghai BroadMobi Communication Technology Co., Ltd.
Address: 15F,Building9,No99.Tianzhou Rd.,Xuhui District,Shanghai,P.R.China
Postcode: /
Telephone: 021-60913308-816

2.2. Manufacturer Information

Company Name: Huizhou Dubon Industrial Co.,Ltd
Address: North of Lian Fa Rd Tong Hu Economic Zone, Huizhou City,
Guangdong Province ,P.R. China
Postcode: /
Telephone: /

3. Equipment Under Test (EUT) and Ancillary Equipment (AE)

3.1. About EUT

EUT Description	LTE Wireless Module
Model name	BM817C
FCC ID	2AON8-BM817C
Frequency	GSM850/900/1900; WCDMA Band II/IV/V/VIII LTE FDD 2/4/5/8/12/17
Extreme Temperature	-10/+55 °C
Nominal Voltage	3.8V
Extreme High Voltage	4.2V
Extreme Low Voltage	3.6V

Note: Photographs of EUT are shown in ANNEX A of this test report.

3.2. Internal Identification of EUT used during the test

EUT ID*	SN or IMEI	HW Version	SW Version	Date of receipt
N01	N/A	P700A_MB_V1.0	M1.0.3_E1.0.0_A1.0.2	2018-01-06

*EUT ID: is used to identify the test sample in the lab internally.

3.3. Internal Identification of AE used during the test

AE ID*	Description	SN
AE1	RF cable	---
AE2	Dummy Battery	---

*AE ID: is used to identify the test sample in the lab internally.

3.4. Statements

The BM817C, supporting GPRS/EDGE/WCDMA/LTE, manufactured by Huizhou Dubon Industrial Co.,Ltd ,which is a new product for testing.

ECIT has verified that the compliance of the tested device specified in section 5 of this test report is successfully evaluated according to the procedure and test methods as defined in type certification requirement listed in section 5 of this test report.

4. Reference Documents

4.1. Reference Documents for testing

The following documents listed in this section are referred for testing.

Reference	Title	Version
FCC Part 24	PERSONAL COMMUNICATIONS SERVICES	2014
FCC Part 22	PUBLIC MOBILE SERVICES	2014
ANSI-TIA-603-E	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards	2016
ANSI C63.4	Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz	2014

5. SUMMARY OF TEST RESULTS

Item	Test items	FCC rules	result
1	Output Power	2.1046/22.913(a)/24.232(c)	Pass
2	Peak-to-Average Ratio	24.232(d)	Pass
3	99%Occupied Bandwidth	2.1049(h)(i)/ 22.917(b)	Pass
4	-26dB Emission Bandwidth	22.917(b)/§24.238(b)	Pass
5	Band Edge at antenna terminals	22.917(a)/24.238(a)	Pass
6	Frequency stability	2.1055/24.235	Pass
7	Conducted Spurious mission	2.1053/22.917(a)/24.238(a)	Pass
8	Emission Limit	2.1051/22.917/24.238/22.913/24.232	Pass

6. Test Equipment Utilized

Climate chamber

No.	Equipment	Model	Serial Number	Manufacturer	Calibration date	Cal.interval
1	Climate chamber	SH-641	92012011	ESPEC	2017-12-25	2 Year

Radiated emission test system

The test equipment and ancillaries used are as follows.

No.	Equipment	Model	Serial Number	Manufacturer	Calibration date	Cal.interval
1	Universal Radio Communication Tester	CMU200	123123	R&S	2017-05-11	1 Year
2	EMI Test Receiver	ESU40	100307	R&S	2017-05-11	1 Year
3	TRILOG Broadband Antenna	VULB9163	VULB9163-515	Schwarzbeck	2017-02-25	3 Year
4	Double-ridged Waveguide Antenna	ETS-3117	00135890	ETS	2017-01-11	3 Year
5	2-Line V-Network	ENV216	101380	R&S	2017-05-11	1 Year
6	Substitution Antenna	ETS-3117	00135890	ETS	2017-01-11	3 Year
7	RF Signal Generator	SMF100A	102314	R&S	2017-05-11	1 Year
8	Substitution Antenna	VUBA9117	9117-266	Schwarzbeck	2017-11-18	3 Year
9	Amplifier	SCU08	10146	R&S	2017-05-11	1 Year

Conducted test system

No.	Name	Type	SN	Manufacture	Calibration date	Cal.interval
1	Spectrum Analyzer	FSQ26	101096	R&S	2017-05-11	1 Year
2	Universal Radio Communicat	CMU200	123124	R&S	2017-05-11	1 Year
3	DC Power Supply	ZUP60-1 4	LOC-220Z006 -0007	TDL-Lambda	2017-05-11	1 Year

7. Test Environment

Shielding Room1 (6.0 meters×3.0 meters×2.7 meters) did not exceed following limits along the conducted RF performance testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 20 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Ground system resistance	< 0.5 Ω

Control room did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. =25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω

Fully-anechoic chamber1 (6.9 meters×10.9 meters×5.4 meters) did not exceed following limits along the EMC testing:

Temperature	Min. = 15 °C, Max. = 35 °C
Relative humidity	Min. = 25 %, Max. = 75 %
Shielding effectiveness	> 100 dB
Electrical insulation	> 10 kΩ
Ground system resistance	< 0.5 Ω
VSWR	Between 0 and 6 dB, from 1GHz to 18GHz
Site Attenuation Deviation	Between -4 and 4 dB,30MHz to 1GHz
Uniformity of field strength	Between 0 and 6 dB, from 80MHz to 3000 MHz

ANNEX A. MEASUREMENT RESULTS

ANNEX A.1. OUTPUT POWER

A.1.1. Summary

During the process of testing, the EUT was controlled Rhode & Schwarz Digital Radio. Communication tester (CMU-200) to ensure max power transmission and proper modulation. This result contains peak output power and EIRP measurements for the EUT. In all cases, output power is within the specified limits.

A.1.2. Conducted

A.1.2.1. Method of Measurements

Method of measurements please refer to KDB971168 D01 v03 clause 5.

The EUT was set up for the max output power with pseudo random data modulation.

The power was measured with Rhode & Schwarz Spectrum Analyzer FSQ(peak).

These measurements were done at 3 frequencies, 1850.2 MHz, 1880.0MHz and 1909.8MHz for PCS1900 band; 824.2MHz, 836.6MHz and 848.8MHz for GSM850 band. (bottom, middle and top of operational frequency range).

These measurements were done at 3 frequencies, 1852.4 MHz, 1880.0MHz and 1907.6MHz for WCDMA Band II; 826.4MHz, 836.6MHz and 846.6MHz for WCDMA Band V. (bottom, middle and top of operational frequency range).

A.1.2.2 Test procedures:

1. The transmitter output port was connected to base station.
2. Set the EUT at maximum power through base station.
3. Select lowest, middle, and highest channels for each band and different modulation.
4. Measure the maximum burst average power for GSM and maximum average power for other modulation signal.

A.1.2.3 Limit:

22.913(a) Mobile stations are limited to 7watts.

24.232(c) Mobile and portable stations are limited to 2 watts.

A.1.2.4 Test Procedure:

The transmitter output power was connected to calibrated attenuator, the other end of which was connected to signal analyzer. Transmitter output power was read off the power in dBm. The power outputs at the transmitter antenna port was determined by adding the value of attenuator to the signal analyzer reading.

A.1.2.5 GSM Test Condition:

RBW	VBW	Sweep time	Span
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1MHz	1MHz	300ms	10MHz
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A.1.2.6 WCDMA Test Condition:

RBW	VBW	Sweep time	Span
10MHz	10MHz	800ms	50MHz

A.1.2.7 Measurement results:

GPRS 850 (GMSK 1 Slot)			
Channel/fc(MHz)	Peak power (dBm)	Average power(dBm)	
Mid 189/836.4	31.67	31.48	
Low 128/824.2	31.71	31.55	
High 251/848.8	32.04	31.91	
EDGE 850 (8PSK 1 Slot)			
Channel/fc(MHz)	Peak power (dBm)	Average power(dBm)	
Mid 189/836.4	28.57	25.18	
Low 128/824.2	28.83	25.41	
High 251/848.8	28.43	25.31	

GPRS 1900 (GMSK 1 Slot)			
Channel/fc(MHz)	Peak power (dBm)	Average power(dBm)	
Mid 661/1880	27.98	27.83	
Low 512/1850.2	27.35	27.19	
High 810/1909.8	27.86	27.67	
EDGE 1900 (8PSK 1 Slot)			
Channel/fc(MHz)	Peak power (dBm)	Average power(dBm)	
Mid 661/1880	26.53	23.33	
Low 512/1850.2	26.21	22.85	
High 810/1909.8	26.12	22.75	

WCDMA II		
Channel/fc(MHz)	Peak power (dBm)	AV power (dBm)
Mid 9400 /1880	26.11	23.03
Low 9262/1852.4	25.41	22.79
High 9538/1907.6	26.01	23.08
WCDMA IV		
Channel/fc(MHz)	Peak power (dBm)	AV power (dBm)
Mid 1413/1732.6	25.81	22.78
Low 1312/1712.4	25.86	22.83
High 1513/1752.6	25.58	22.65
WCDMA BAND V		
Channel/fc(MHz)	Peak power (dBm)	AV power (dBm)
Mid 4183/836.6	26.31	23.04
Low 4132/826.4	26.38	23.29
High 4233/846.6	26.06	22.74

Conclusion: PASS

ANNEX A.2. Peak-to-Average Power Ratio

Method of test measurements please refer to KDB971168 D01 v03 clause 5.7.

A.2.1 PAPR Limit

The peak-to-average power ratio (PAPR) of the transmission may not exceed 13dB

A.2.2 Test procedures

1. The EUT was connected to the spectrum analyzer and system simulator via a power divider.
2.
 - 1) Select the spectrum analyzer CCDF function.
 - 2) Set $RBW \geq$ signal's occupied bandwidth.
 - 3) Set the number of counts to a value that stabilizes the measured CCDF curve;
 - 4) Sweep time \geq 1s.
3. Record the maximum PAPR level associated with a probability of 0.1%.

A.2.3 Test results:

GPRSS850			
Channel	128	189	251
Frequency (MHz)	824.2	836.4	848.8
PAPR(dB)	4.04	4.38	4.77
EDGE850			
Channel	128	189	251
Frequency (MHz)	824.2	836.4	848.8
PAPR(dB)	3.98	4.25	4.57

GPRS1900			
Channel	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
PAPR(dB)	4.56	4.98	4.78
EDGE1900			
Channel	512	661	810
Frequency (MHz)	1850.2	1880	1909.8
PAPR(dB)	4.03	4.88	4.45

WCDMA Band II			
Channel	9262	9400	9538
Frequency (MHz)	1852.4	1880	1907.6
PAPR(dB)	4.46	4.68	4.62
WCDMA Band IV			
Channel	1312	1413	1513
Frequency (MHz)	1712.4	1732.6	1752.6
PAPR(dB)	4.74	5.06	5.54
WCDMA Band V			

Channel	4132	4183	4233
Frequency (MHz)	826.4	836.4	846.6
PAPR(dB)	3.81	4.04	3.97

Conclusion: PASS

ANNEX A.3. Occupied Bandwidth

Method of test please refer to KDB971168 D01 v03 clause 4.0.

A.3.1. Occupied Bandwidth

Similar to conducted emissions; occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of GSM850, PCS1900, WCDMA BANDII, WCDMA BANDIV, WCDMA BANDV.

A.3.2 Test Procedure:

1. The EUT output RF connector was connected with a short cable to the signal analyzer.
2. RBW was set to about 1% of emission BW, VBW \geq 3 times RBW,.
3. 99% bandwidth were measured, the occupied bandwidth is delta frequency between the two points where the display line intersects the signal trace.

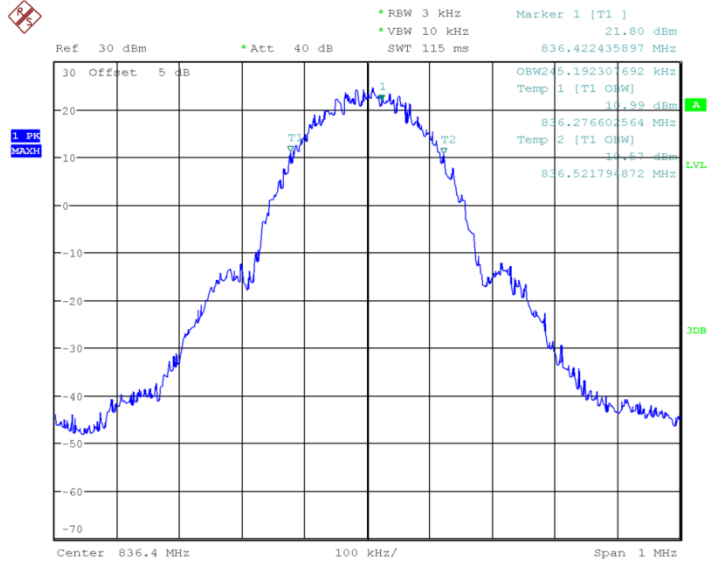
A.3.3 Test result:

GPRS850		
Test channel	Frequency (MHz)	99% Occupied Bandwidth(KHz)
Mid 189	836.4	245.192
Low 128	824.2	246.795
High 251	848.8	245.192
EDGE850		
Test channel	Frequency (MHz)	99% Occupied Bandwidth(KHz)
Mid 189	836.4	243.59
Low 128	824.2	246.795

High 251	848.8	243.59
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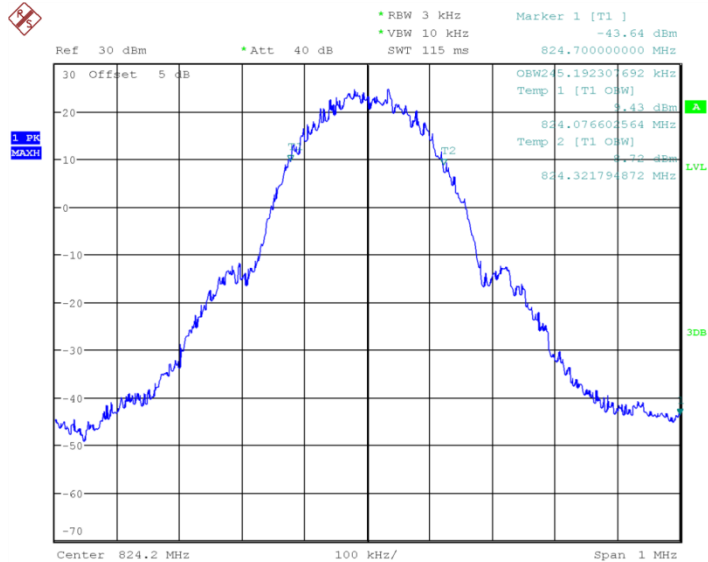
Conclusion: PASS

GPRS 850



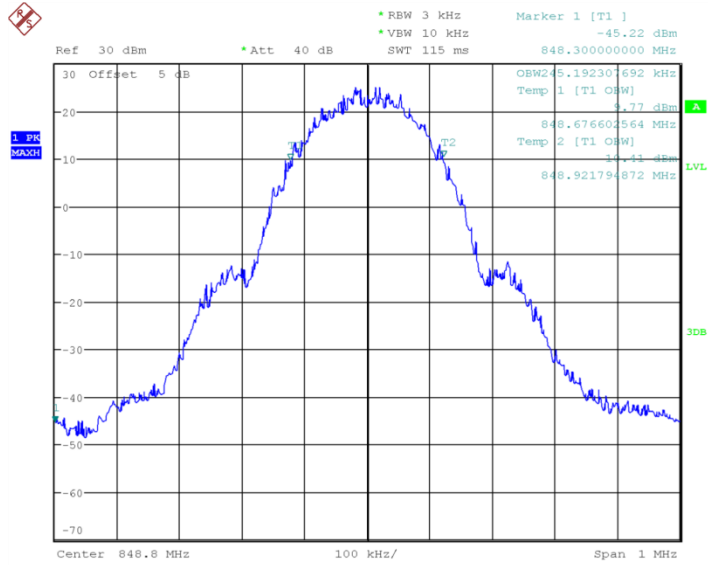
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Channel 189-Occupied Bandwidth (99%)



Date: 27.JAN.2018 07:32:03

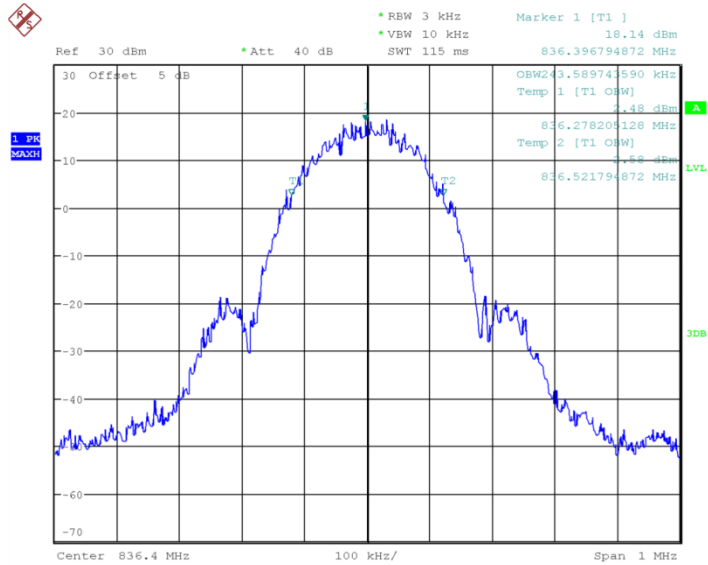
Channel 128-Occupied Bandwidth (99%)



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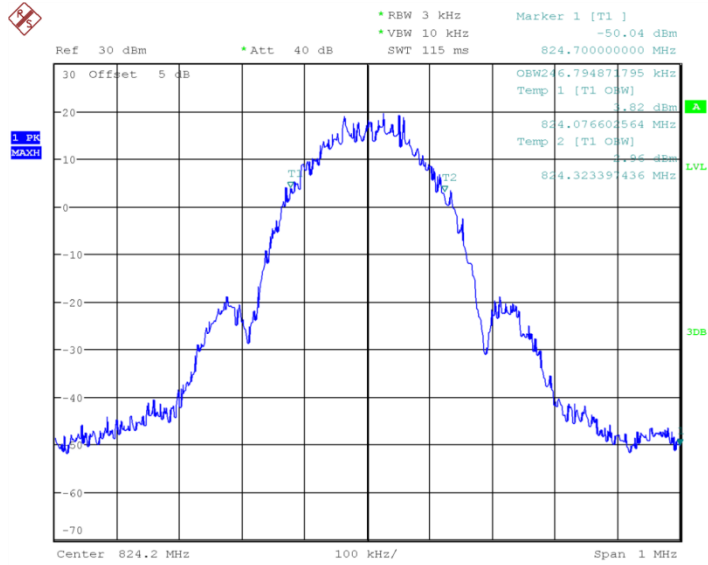
Channel 251-Occupied Bandwidth (99%)

EDGE 850



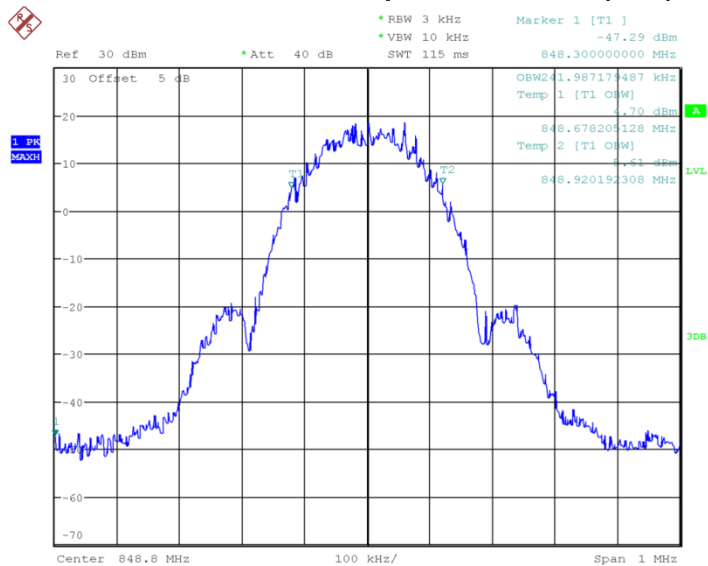
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Channel 189-Occupied Bandwidth (99%)



Date: 27.JAN.2018 07:35:59

Channel 128-Occupied Bandwidth (99%)



Date: 27.JAN.2018 07:36:46

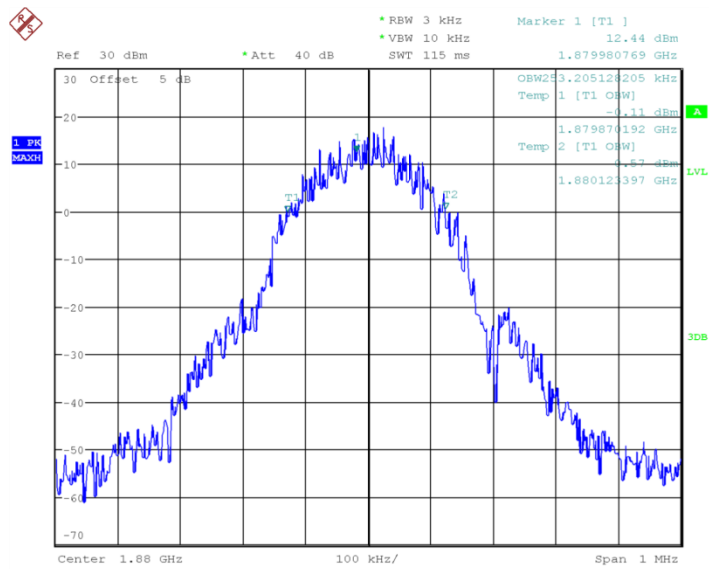
Channel 251-Occupied Bandwidth (99%)

GPRS1900		
Test channel	Frequency (MHz)	99% Occupied Bandwidth(KHz)
Mid 661	1880	245.192
Low 512	1850.2	241.987
High 810	1909.8	222.756

EDGE1900		
Test channel	Frequency (MHz)	99% Occupied Bandwidth(KHz)
Mid 661	1880	222.756
Low 512	1850.2	241.987
High 810	1909.8	229.167

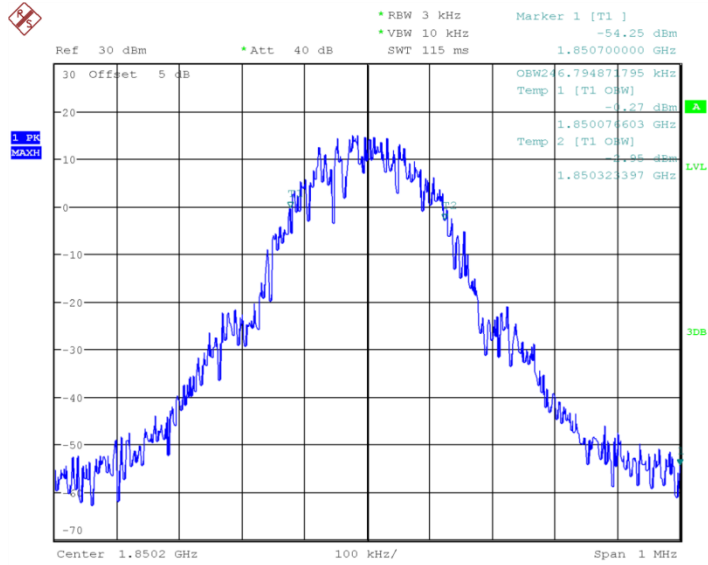
Conclusion: PASS

GPRS 1900



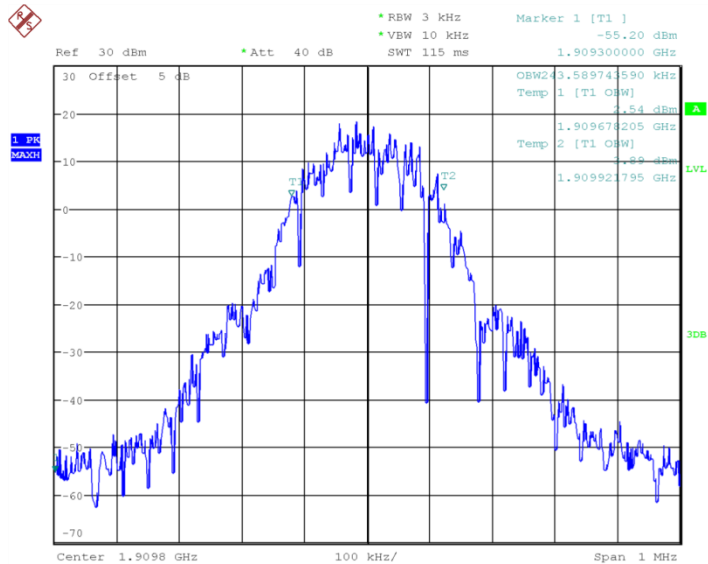
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Channel 661-Occupied Bandwidth



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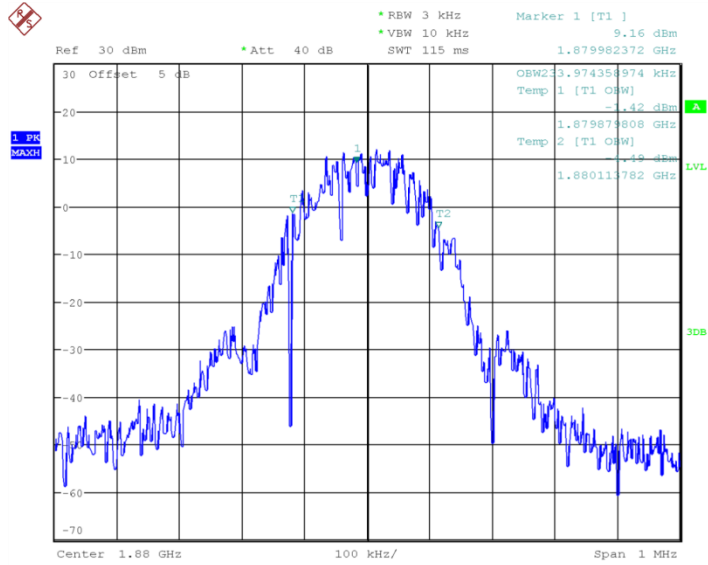
Channel512-Occupied Bandwidth



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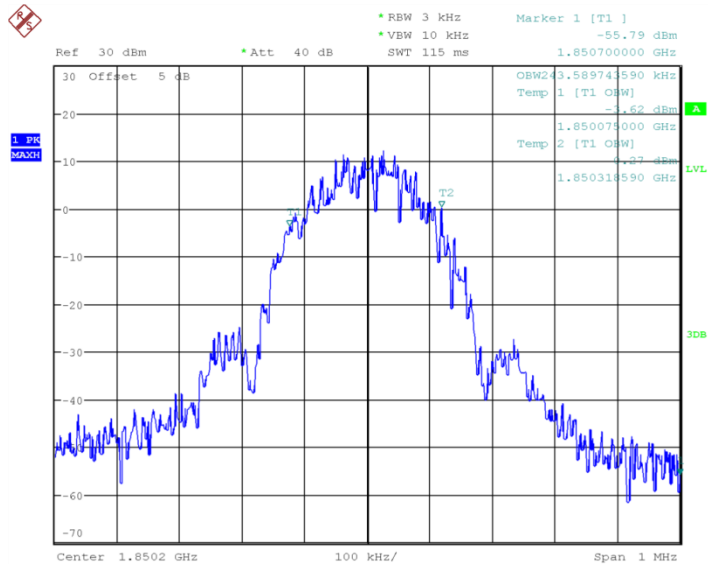
Channel 810-Occupied Bandwidth

EDGE 1900



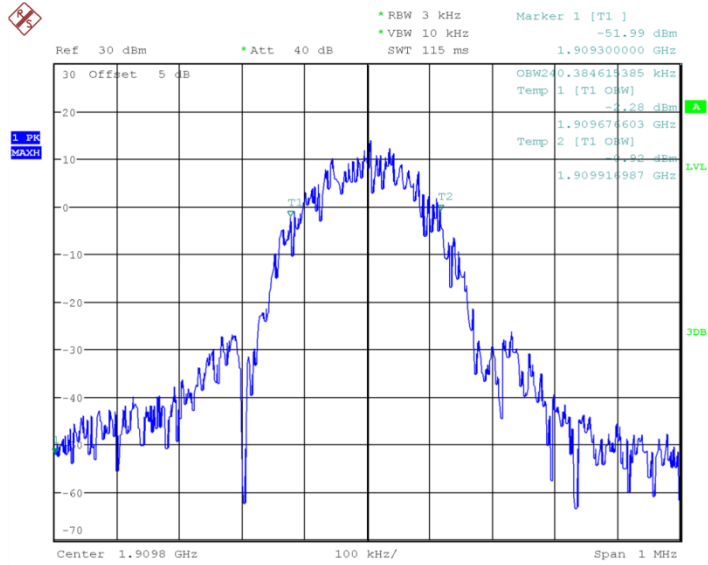
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Channel 661-Occupied Bandwidth



Date: 27.JAN.2018 07:43:00

Channel 512-Occupied Bandwidth



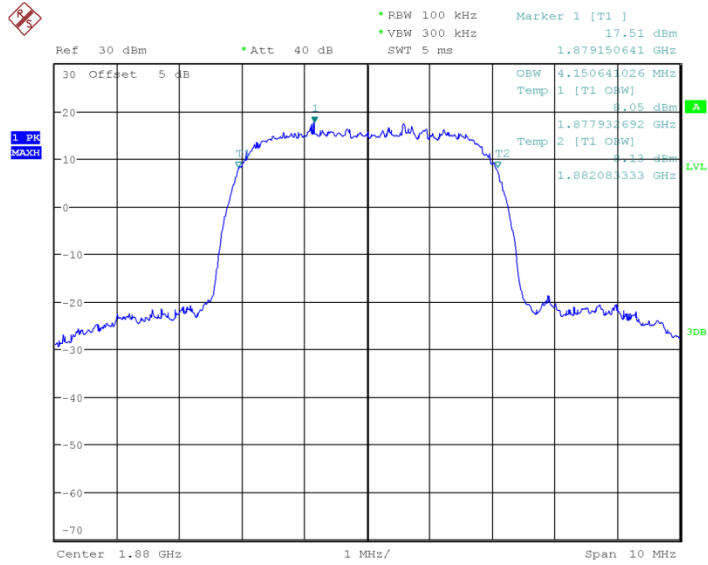
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Channel 810-Occupied Bandwidth

WCDMA BAND II		
Test channel	Frequency (MHz)	99% Occupied Bandwidth(MHz)
Mid 9400	1880	4.151
Low 9262	1852.4	4.151
High 9538	1907.6	4.135

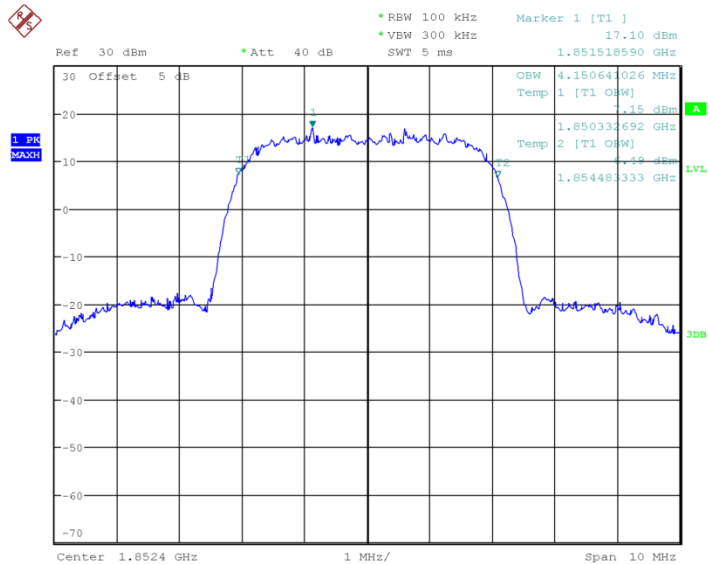
Conclusion: PASS

WCDMA BAND II



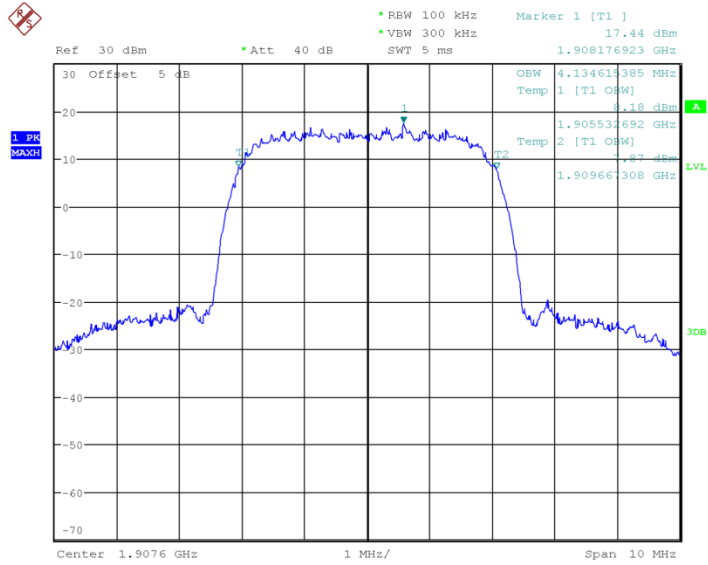
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Channel 9400-Occupied Bandwidth



Date: 27.JAN.2018 09:52:56

Channel 9296-Occupied Bandwidth



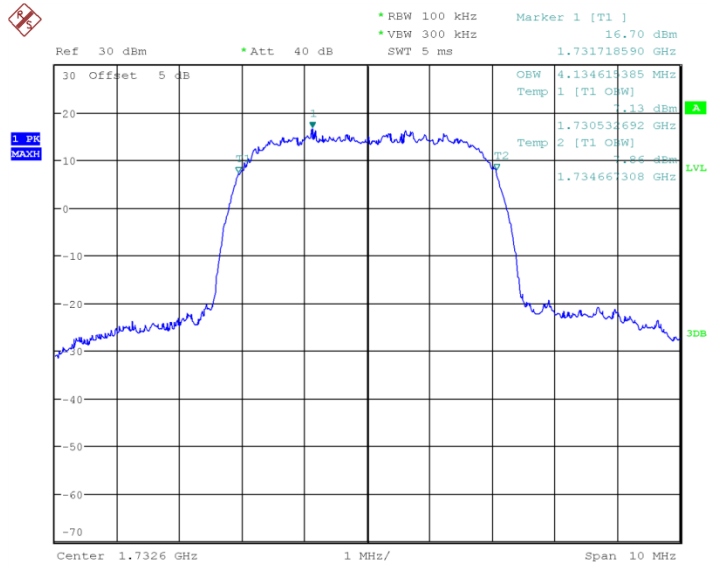
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Channel 9538-Occupied Bandwidth

WCDMA BAND IV		
Test channel	Frequency (MHz)	99% Occupied Bandwidth(MHz)
Mid 1413	1732.6	4.135
Low 1312	1712.4	4.119
High 1513	1752.6	4.151

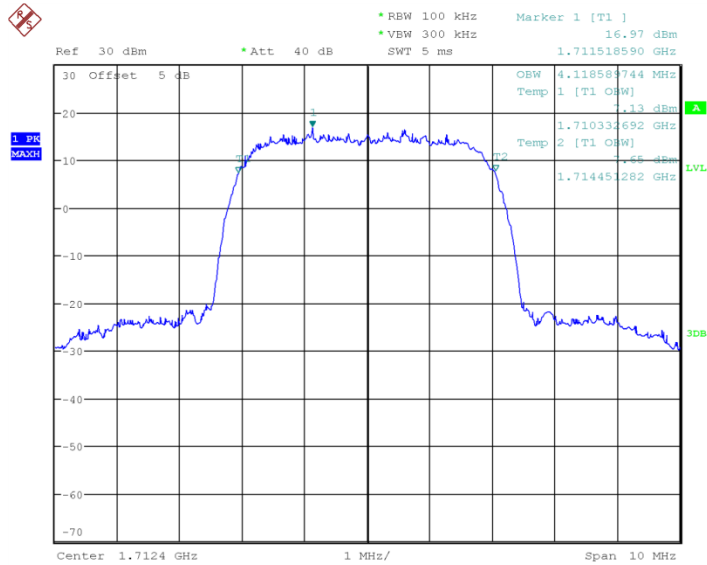
Conclusion: PASS

WCDMA BAND IV



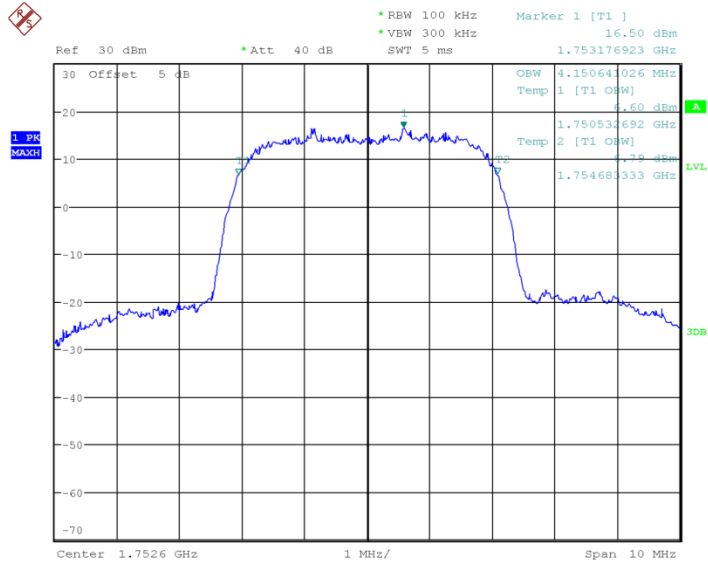
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Channel 1413-Occupied Bandwidth



Date: 27.JAN.2018 09:56:15

Channel 1312-Occupied Bandwidth



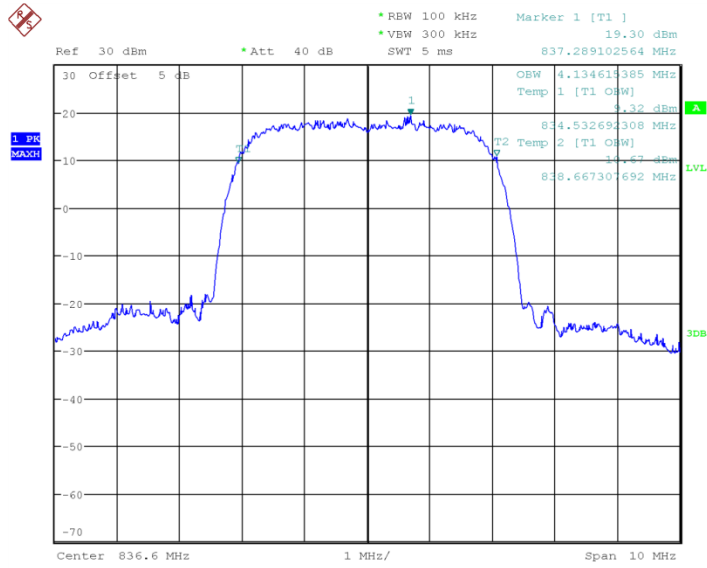
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Channel 1513-Occupied Bandwidth

WCDMA BAND V		
Test channel	Frequency (MHz)	99% Occupied Bandwidth(MHz)
Mid 4183	836.6	4.135
Low 4132	826.4	4.135
High 4233	846.6	4.103

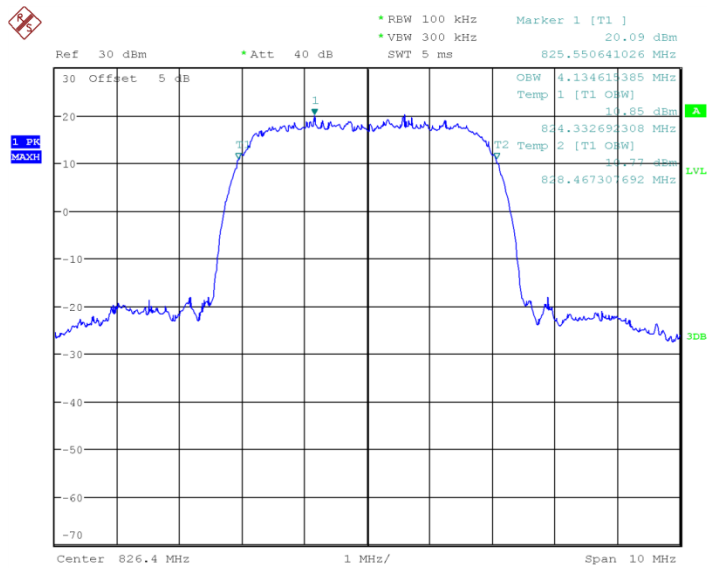
Conclusion: PASS

WCDMA BAND V



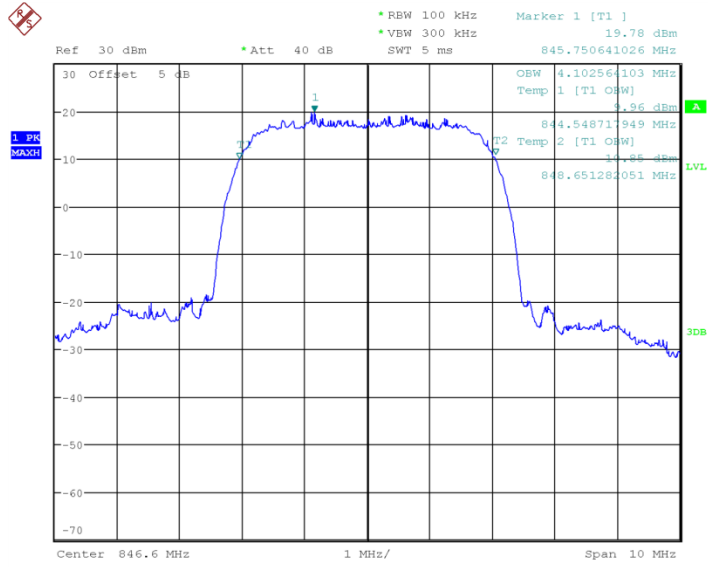
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Channel 4183-Occupied Bandwidth



Date: 27.JAN.2018 09:59:35

Channel 4132-Occupied Bandwidth



Date: 27.JAN.2018 10:00:39

Channel 4233-Occupied Bandwidth

ANNEX A.4. -26dB Emission Bandwidth

Method of test please refer to KDB971168 D01 v03 clause 4.0.

A.4.1. -26dB Emission Bandwidth

Similar to conducted emissions; occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the extreme and mid frequencies of GSM850, PCS1900, WCDMA BANDII, WCDMA BANDIV, WCDMA BANDV.

A.4.2 Test Procedure:

1. The EUT output RF connector was connected with a short cable to the signal analyzer.
2. RBW was set to about 1% of emission BW, VBW \geq 3 times RBW,.
3. 26dB bandwidth were measured, the occupied bandwidth is delta frequency between the two points where the display line intersects the signal trace.

A.4.3 Measurement methods:

For GSM: signal analyzer setting as: RBW=3KHz;VBW=10KHz;Span=1MHz.

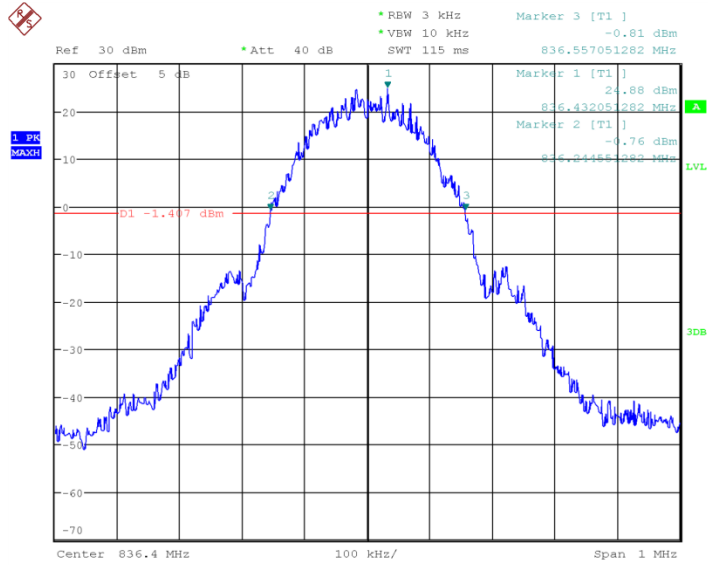
For WCDMA: signal analyzer setting as: RBW=50KHz;VBW=200KHz;Span=10MHz.

A.4.4 Test results:

GPRS 850		
Test channel	Frequency (MHz)	-26dBc Emission Bandwidth(KHz)
Mid 189	836.4	312.5
Low 128	824.2	312.5
High 251	848.8	322.115
EDGE 850		
Test channel	Frequency (MHz)	-26dBc Emission Bandwidth(KHz)
Mid 189	836.4	304.487
Low 128	824.2	301.282
High 251	848.8	309.295

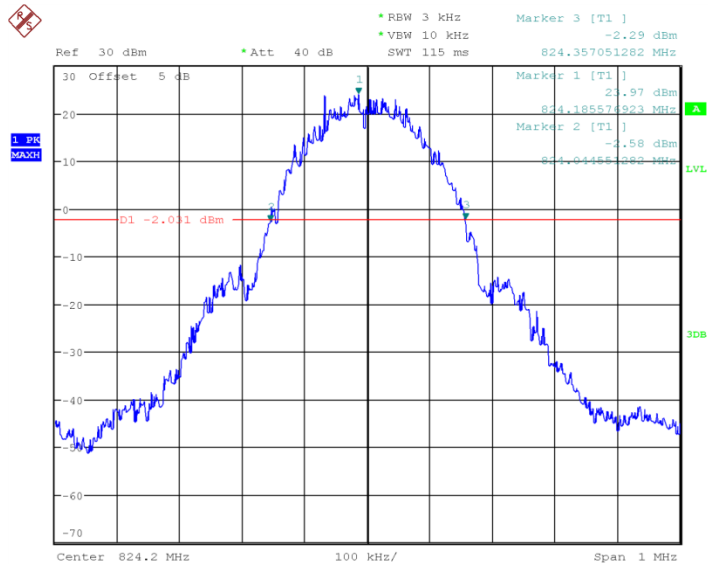
Conclusion: PASS

GPRS 850



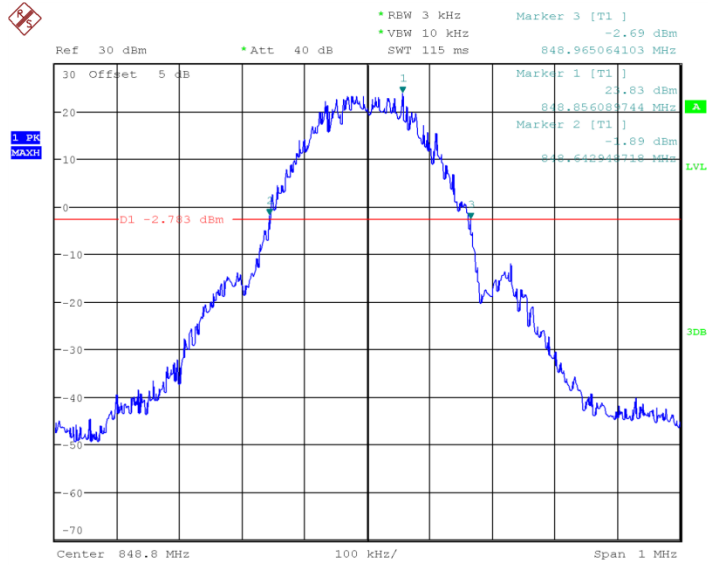
Date: 27.JAN.2018 07:45:47

Channel 189- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 07:46:16

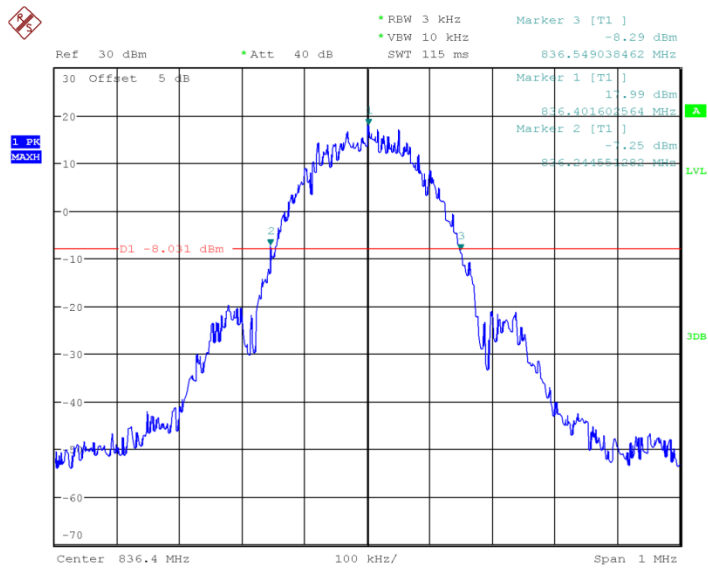
Channel 128- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 07:46:46

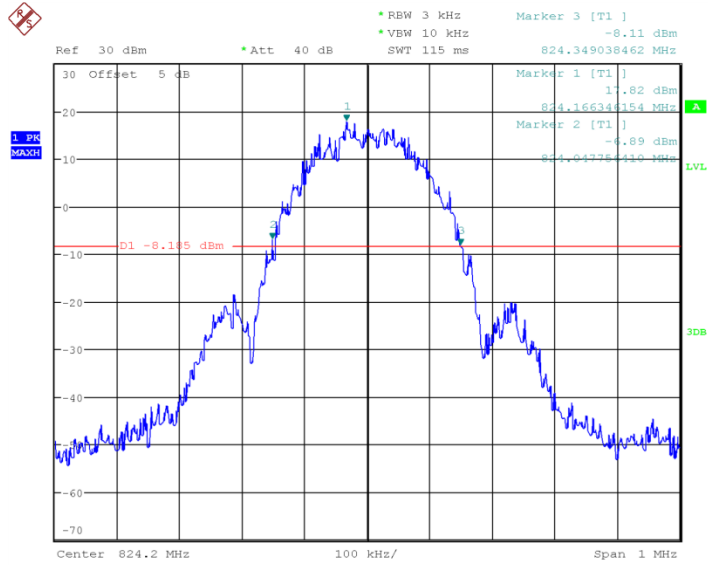
Channel 251- Emission Bandwidth (-26dBc BW)

EDGE 850



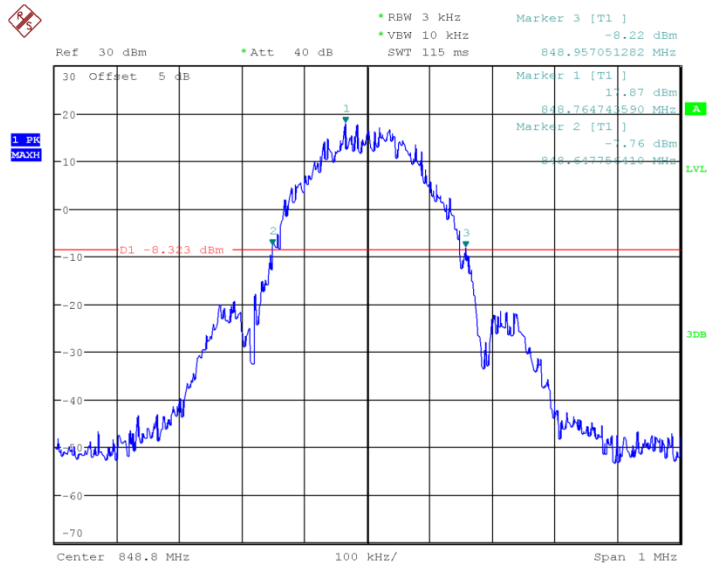
Date: 27.JAN.2018 07:49:32

Channel 189- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 07:50:01

Channel 128- Emission Bandwidth (-26dBc BW)



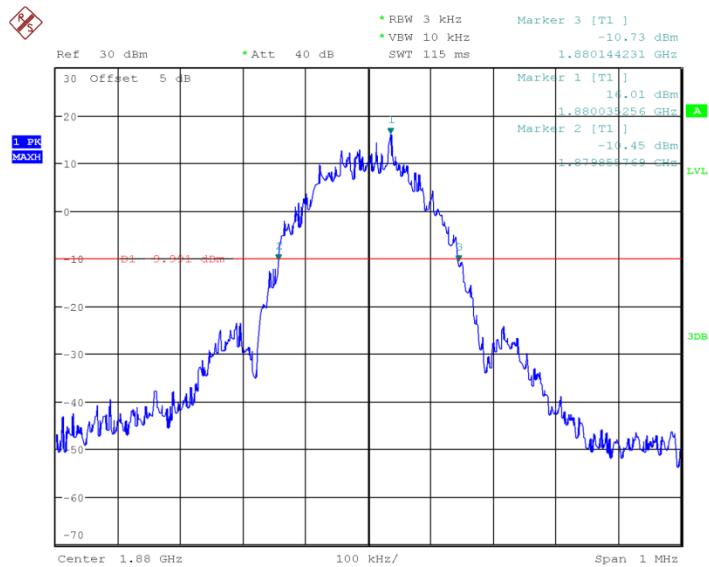
Date: 27.JAN.2018 07:50:30

Channel 251- Emission Bandwidth (-26dBc BW)

GPRS1900		
Test channel	Frequency (MHz)	-26dBc Emission Bandwidth(KHz)
Mid 661	1880	310.897
Low 512	1850.2	318.91
High 810	1909.8	314.103
EDGE1900		
Test channel	Frequency (MHz)	-26dBc Emission Bandwidth(KHz)
Mid 661	1880	288.462
Low 512	1850.2	306.09
High 810	1909.8	306.09

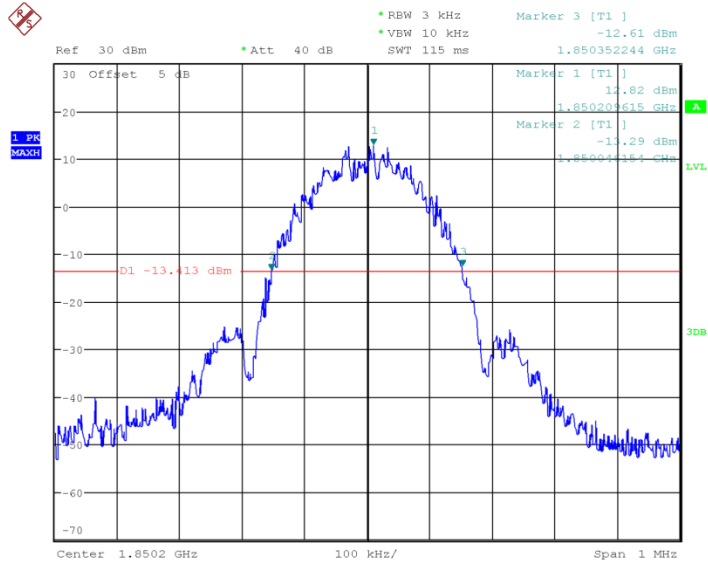
Conclusion: PASS

GPRS 1900



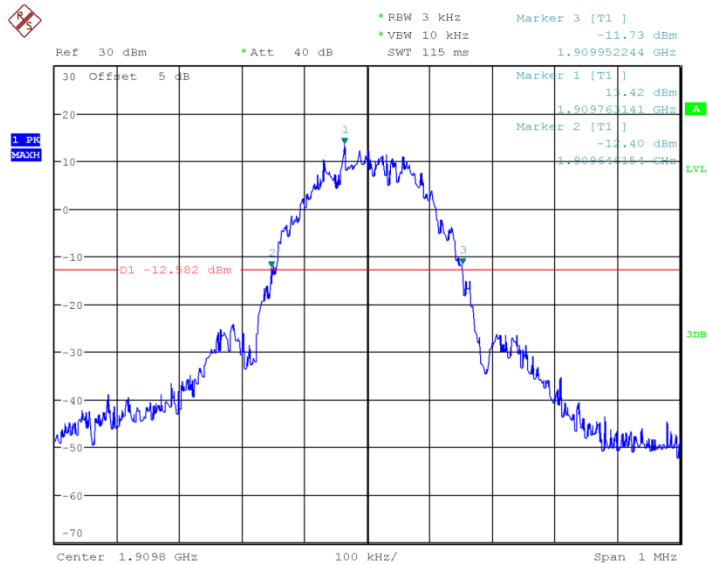
Date: 27.JAN.2018 07:58:07

Channel 661- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 07:58:36

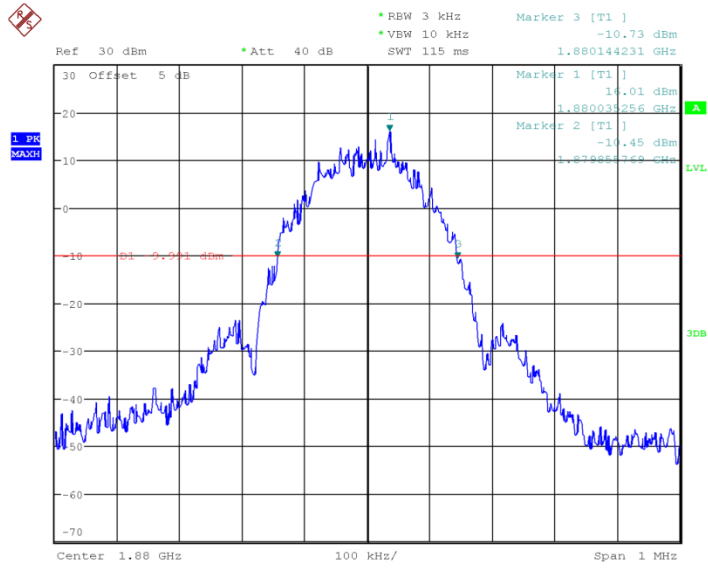
Channel 512- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 07:59:04

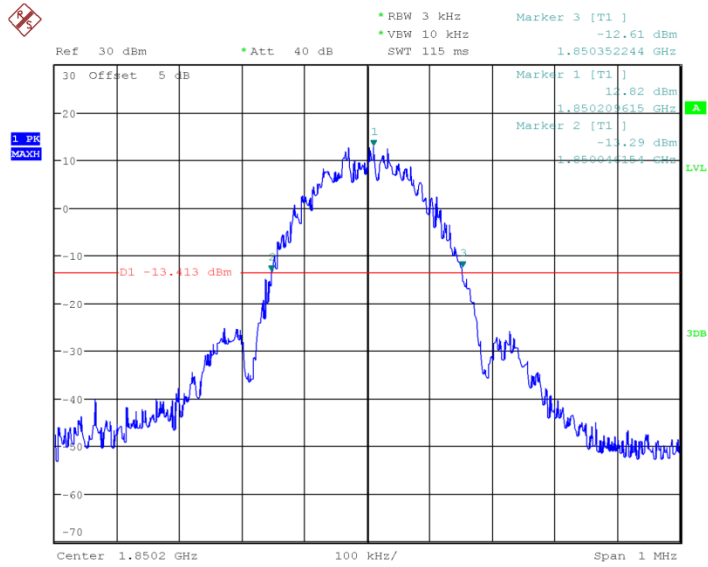
Channel 810- Emission Bandwidth (-26dBc BW)

EDGE 1900



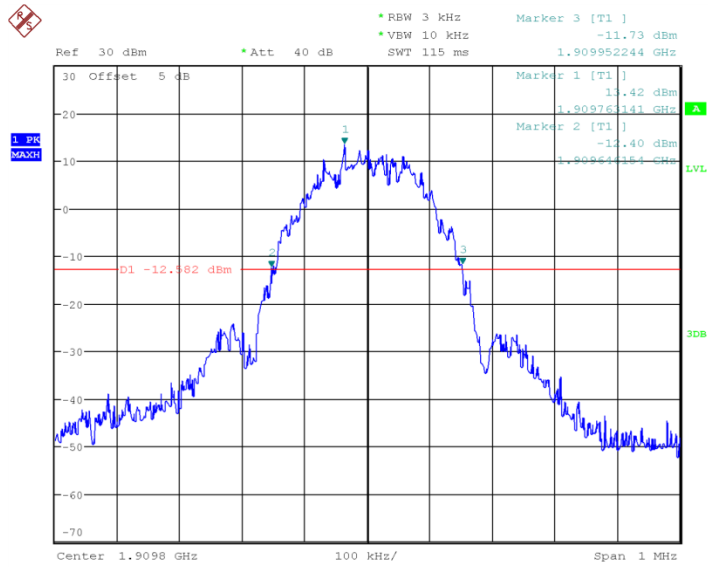
Date: 27.JAN.2018 07:58:07

Channel 661- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 07:58:36

Channel 512- Emission Bandwidth (-26dBc BW)



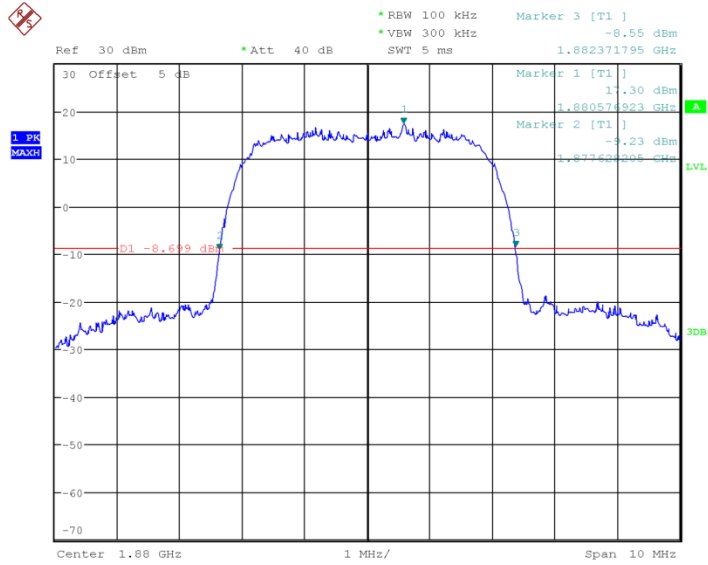
Date: 27.JAN.2018 07:59:04

Channel 810- Emission Bandwidth (-26dBc BW)

WCDMA BAND II		
Test channel	Frequency (MHz)	-26dBc Emission Bandwidth(MHz)
Mid 9400	1880	4.744
Low 9262	1852.4	4.760
High 9538	1907.6	4.760

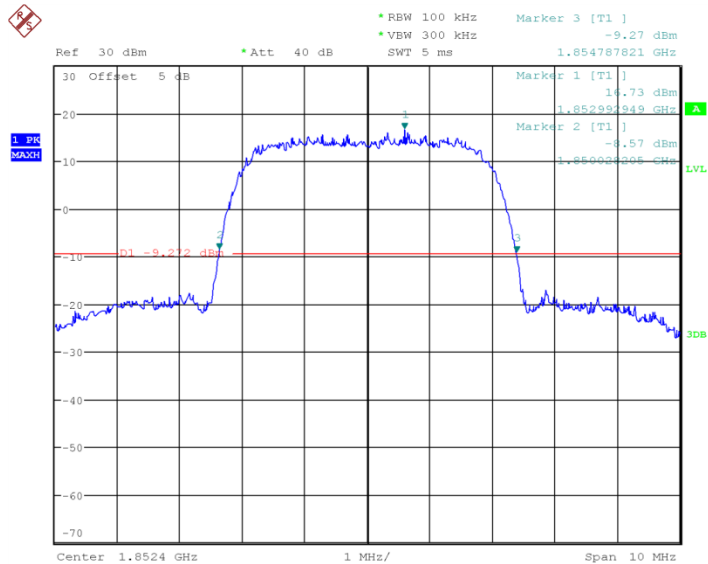
Conclusion: PASS

WCDMA BAND II



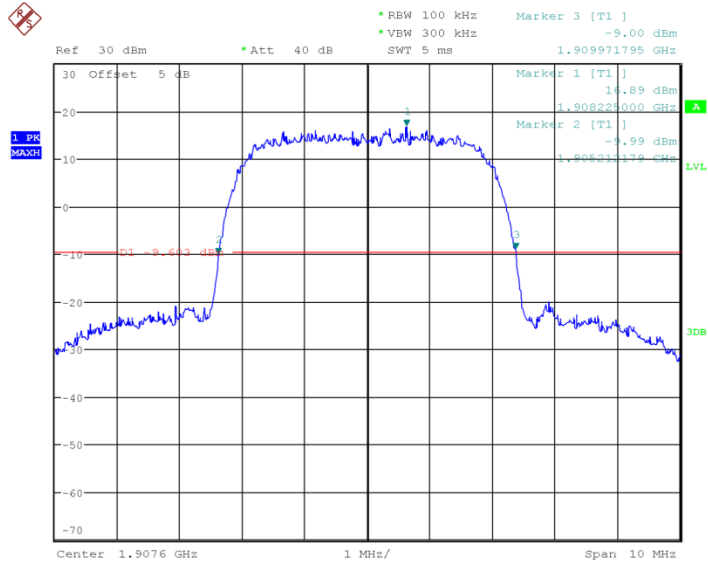
Date: 27.JAN.2018 10:02:51

Channel 940- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 10:03:22

Channel 926- Emission Bandwidth (-26dBc BW)



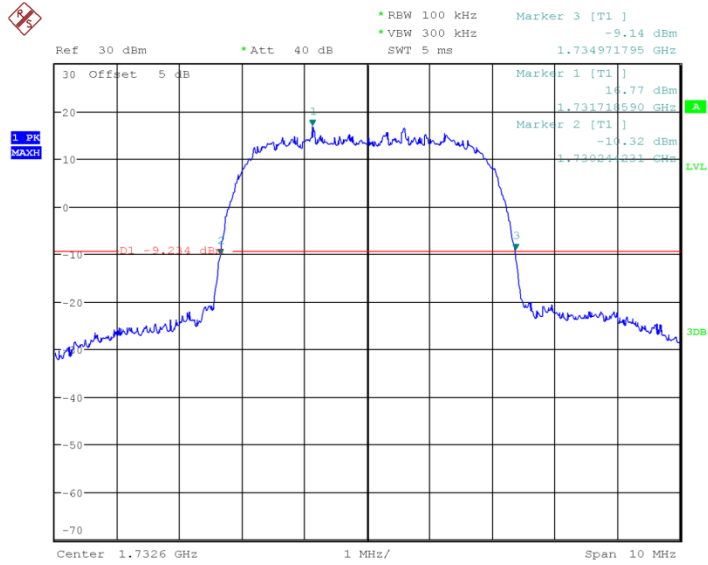
Date: 27.JAN.2018 10:03:54

Channel 9538- Emission Bandwidth (-26dBc BW)

WCDMA BAND IV		
Test channel	Frequency (MHz)	-26dBc Emission Bandwidth(MHz)
Mid 1413	1732.6	4.728
Low 1312	1712.4	4.760
High 1513	1752.6	4.760

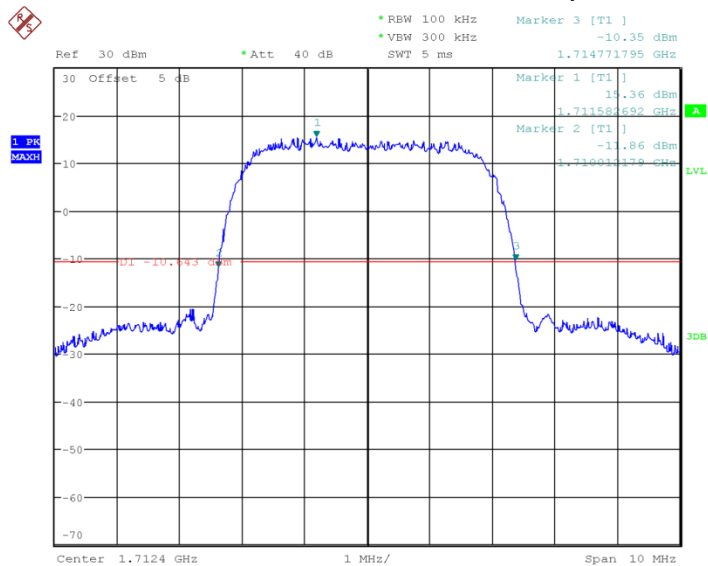
Conclusion: PASS

WCDMA BAND IV



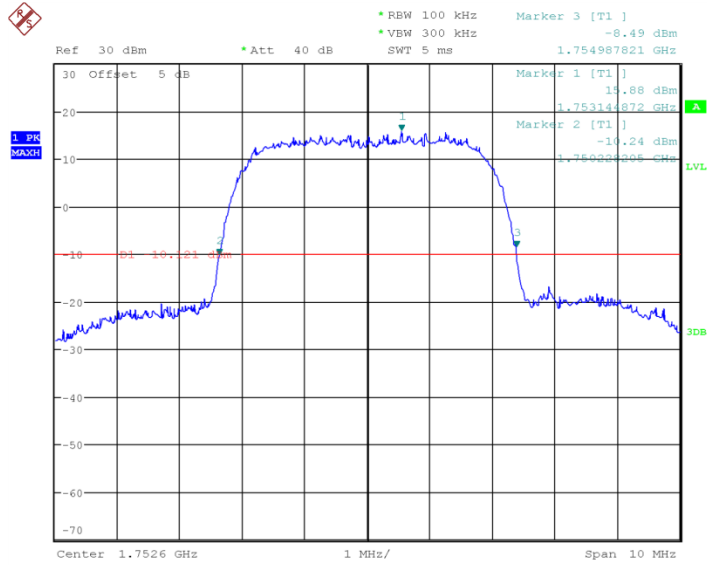
Date: 27.JAN.2018 10:04:34

Channel 1413- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 10:05:06

Channel 1312- Emission Bandwidth (-26dBc BW)



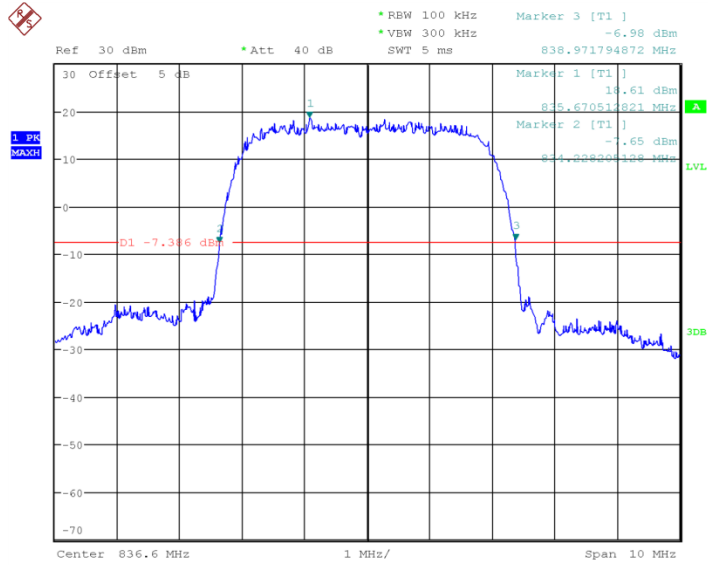
Date: 27.JAN.2018 10:05:38

Channel 1513- Emission Bandwidth (-26dBc BW)

WCDMA BAND V		
Test channel	Frequency (MHz)	-26dBc Emission Bandwidth(MHz)
Mid 4183	836.6	4.744
Low 4132	826.4	4.728
High 4233	846.6	4.712

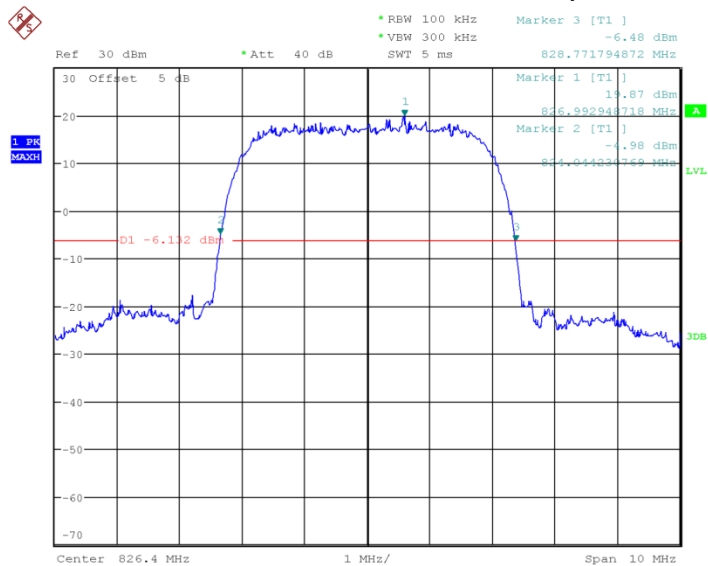
Conclusion: PASS

WCDMA BAND V



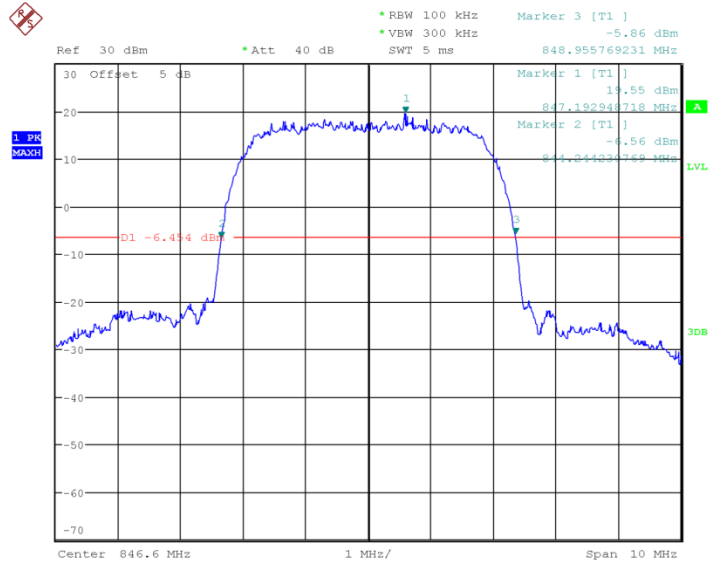
Date: 27.JAN.2018 10:06:18

Channel 4183- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 10:06:50

Channel 4132- Emission Bandwidth (-26dBc BW)



Date: 27.JAN.2018 10:07:22

Channel 4233- Emission Bandwidth (-26dBc BW)

ANNEX A.5. Band Edge at antenna terminals

Method of test measurements please refer to KDB971168 D01 v03 clause 6

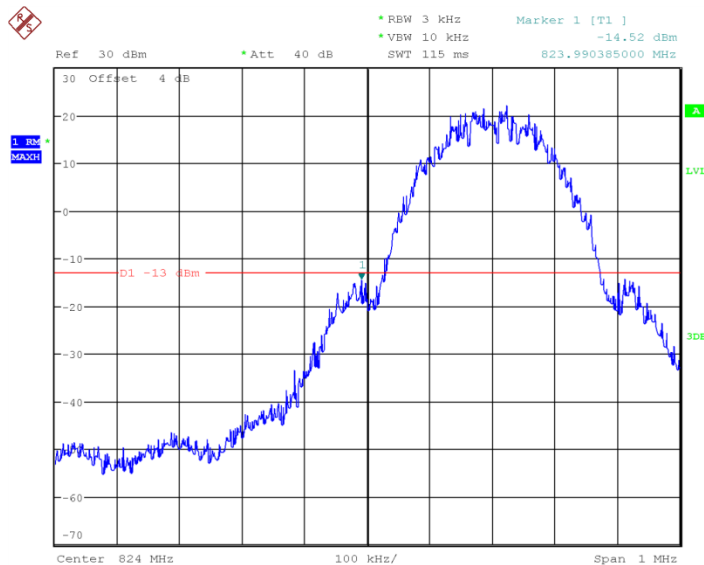
A.5.1 Limit:

The magnitude of each spurious and harmonic emission that can be detected when the equipment is operated under the conditions specification in the instruction manual and/or alignment procedure, shall not be less than $43+10\log$ (Mean power in watts) dBc below the mean power output outside a license's frequency block(-13dBm).

A.5.2 Test procedure:

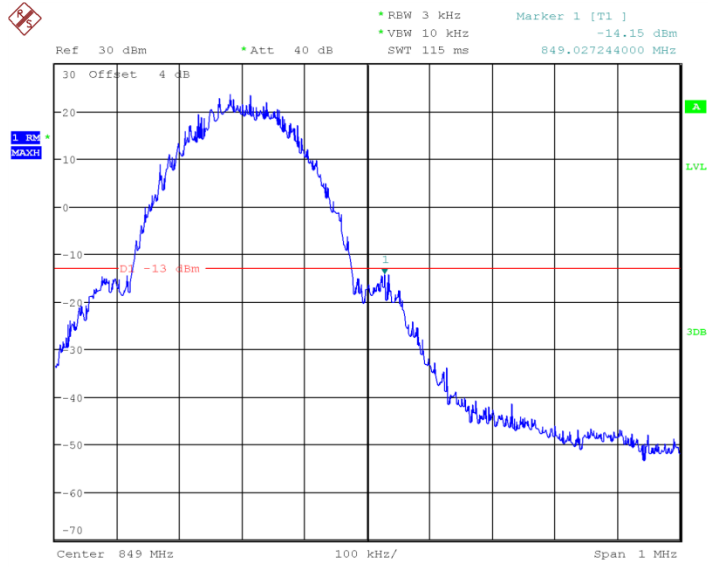
1. The RF output of the transceiver was connected to a signal analyzer through appropriate attenuation.
2. In the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
3. The RF fundamental frequency should be excluded against the limit line in the operating frequency band
4. The limit line is derived from $43+10\log(P)$ Db below the transmitter power P(Watts)
 $=P(W)-[43+10\log(P)](Db)$
 $=[30+10\log(P)](dBm)-[43+10\log(P)](Db)$
 $=-13dBm$

GPRS 850



Date: 27.JAN.2018 08:07:17

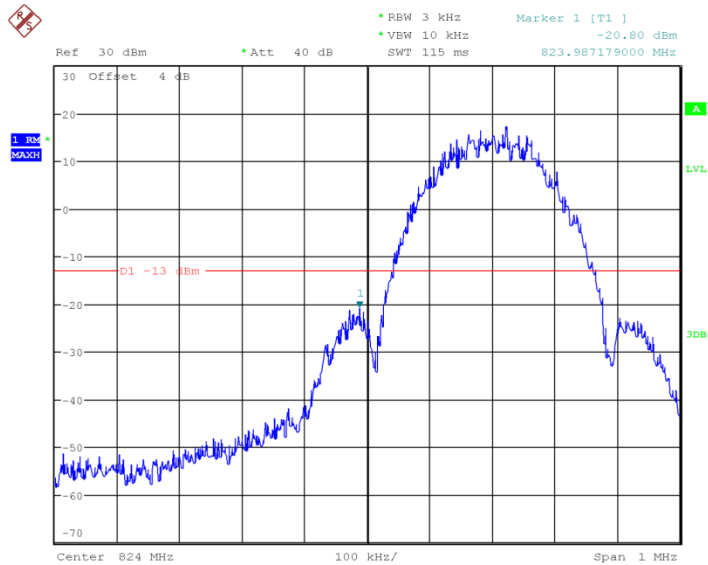
Channel 128- LOW BAND EDGE BLOCK



Date: 27.JAN.2018 08:22:27

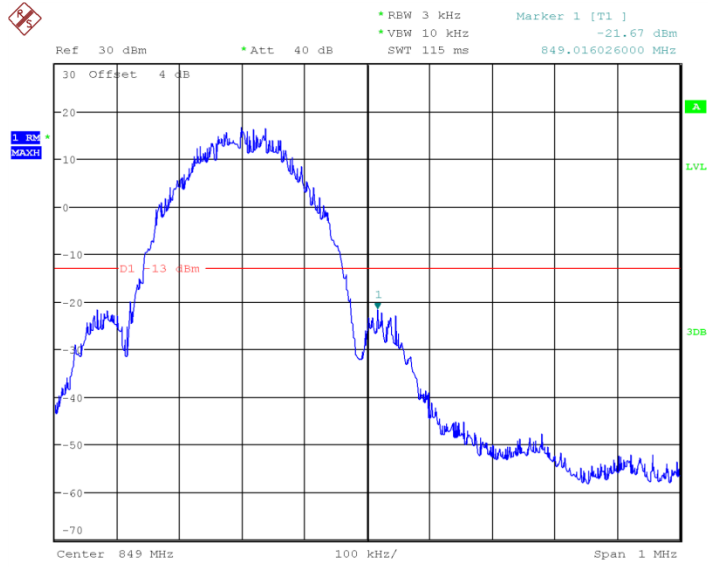
Channel 251- HIGH BAND EDGE BLOCK

EDGE 850



Date: 27.JAN.2018 08:25:12

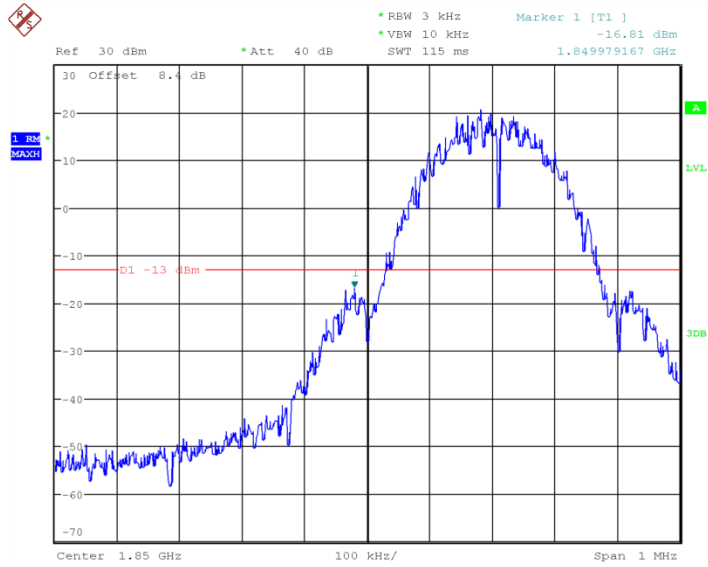
Channel 128- LOW BAND EDGE BLOCK



Date: 27.JAN.2018 08:26:01

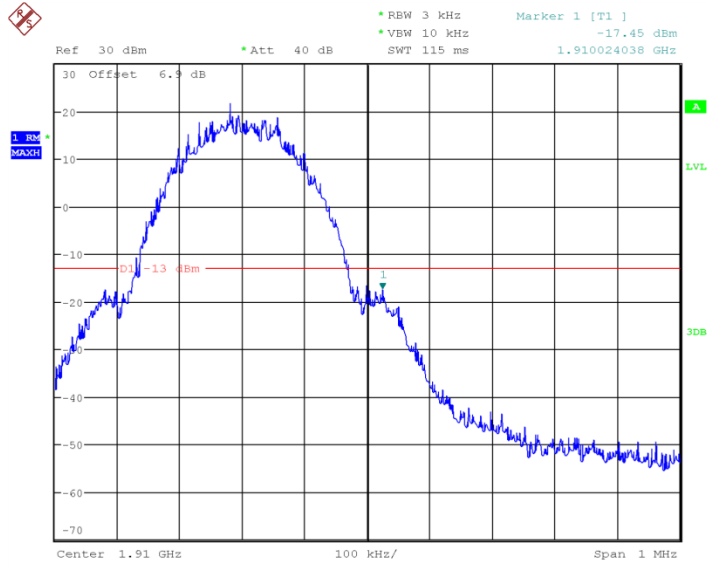
Channel 251- HIGH BAND EDGE BLOCK

GPRS 1900



Date: 27.JAN.2018 08:28:51

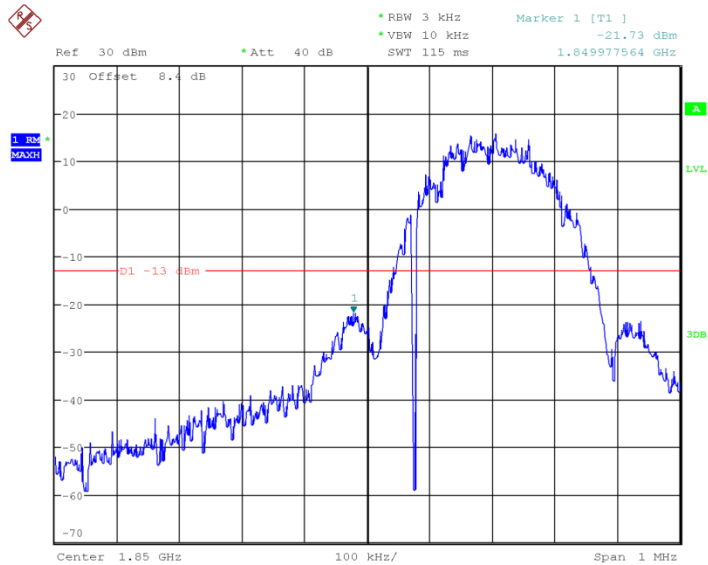
Channel 512- LOW BAND EDGE BLOCK



Date: 27.JAN.2018 08:29:39

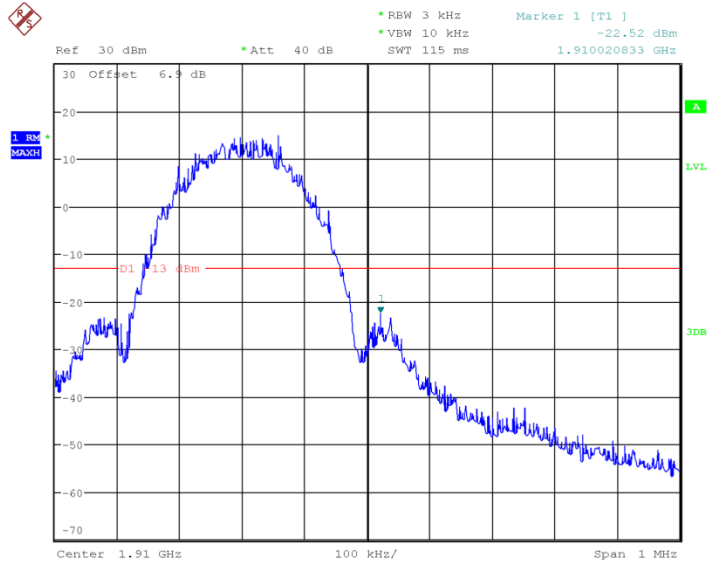
Channel 810- HIGH BAND EDGE BLOCK

EDGE 1900



Date: 27.JAN.2018 08:32:55

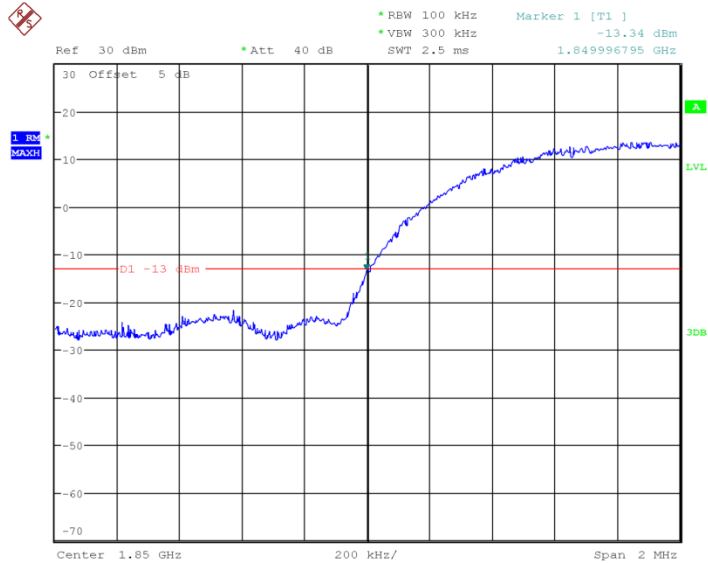
Channel 512- LOW BAND EDGE BLOCK



Date: 27.JAN.2018 08:33:43

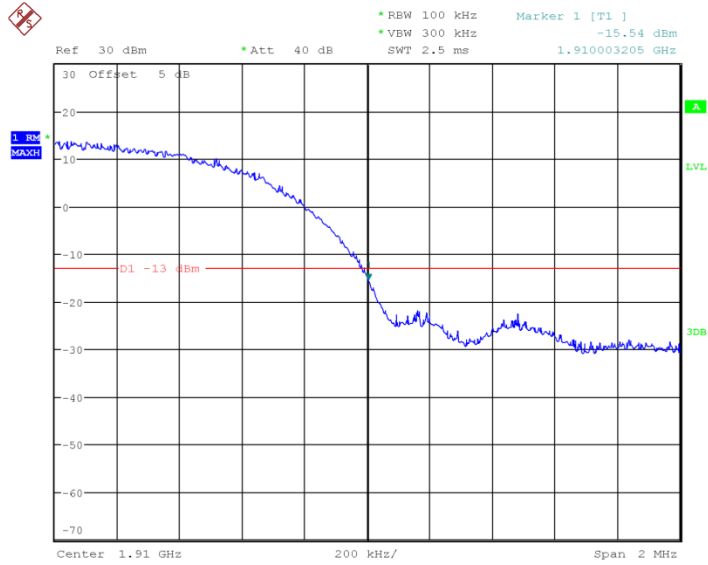
Channel 810- HIGH BAND EDGE BLOCK

WCDMA BAND II



Date: 1.FEB.2018 09:52:31

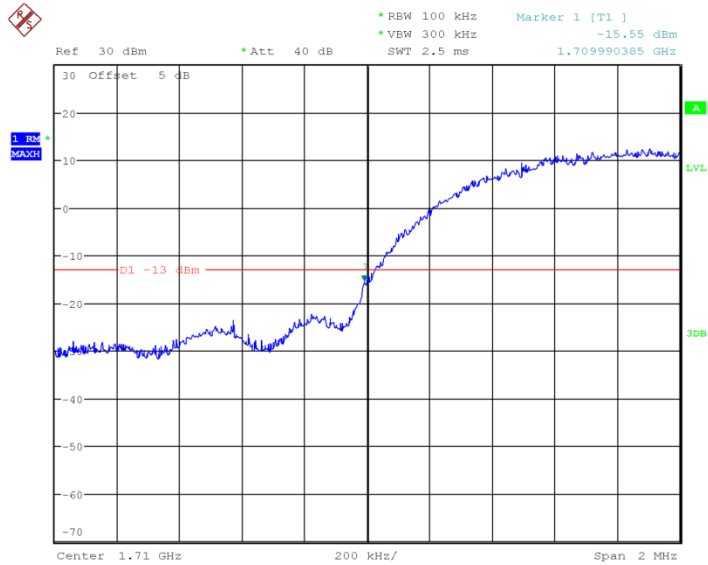
Channel 9262- LOW BAND EDGE BLOCK



Date: 1.FEB.2018 09:53:25

Channel 9538- HIGH BAND EDGE BLOCK

WCDMA BAND IV



Date: 1.FEB.2018 09:54:29

Channel 1312- LOW BAND EDGE BLOCK