



FCC REPORT

Report Reference No..... : TRE1601013002 R/C.....: 87804

FCC ID..... : 2AGBLMV1

Applicant's name..... : OBI Connect FZE

Address..... : B-21,Dubai Airport Free zone,Dubai,United Arab Emirates

Manufacturer..... : ShenZhenHipad Telecommunication Technology Co.,LTD

Address..... : Room502-503,Unit3 ,Building C, Kexing Science Park,Keyuan Road,Hi-tech Industrial Park, Nanshan District, Shenzhen ,China

Test item description : Worldphone

Trade Mark : Obi

Model/Type reference..... : MV1

Listed Model(s) : B5-5.0-OB2

Standard : FCC Part 22: PUBLIC MOBILE SERVICES
FCC Part 24: PERSONAL COMMUNICATIONS SERVICES

Date of receipt of test sample..... : Jan.22, 2016

Date of testing..... : Jan.23, 2016 ~ Feb.16, 2016

Date of issue..... : Feb.17, 2016

Result..... : Pass

Compiled by
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Lion Cai

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(position+printed name+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

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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

[FCC Part 27](#): MISCELLANEOUS WIRELESS COMMUNICATIONS 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 ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS

[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.

[ANSI C63.10-2013](#): American National Standard for Testing Unlicensed Wireless Devices

1.2. Test Description

Test Item	Section in CFR 47	Result
RF Output Power	Part 2.1046 Part 22.913 (a)(2) Part 24.232 (c) Part 27.50 (d)	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) Part 27.53 (h)	Pass
Field Strength of Spurious Radiation	Part 2.1053 Part 22.917 (a) Part 24.238 (a) Part 27.53 (h)	Pass
Out of band emission, Band Edge	Part 22.917 (a) Part 24.238 (a) Part 27.53 (h)	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) Part 27.50 (d)	Pass

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

2. SUMMARY

2.1. Client Information

Applicant:	OBI Connect FZE
Address:	B-21,Dubai Airport Free zone,Dubai,United Arab Emirates
Manufacturer:	ShenZhenHipad Telecommunication Technology Co.,LTD
Address:	Room502-503,Unit3 ,Building C, Kexing Science Park,KeyuanRoad,Hi-tech Industrial Park, Nanshan District, Shenzhen ,China

2.2. Product Description

Name of EUT	Worldphone
Trade Mark:	Obi
Model No.:	MV1
Listed Model(s):	B5-5.0-OB2
IMEI 1:	352593066027101
IMEI 2:	352593066027119
Power supply:	DC 3.8V From internal battery
Adapter information:	Input:AC 100-240V 50/60Hz 0.2A Max Output: 5Vd.c., 1.0A
Hardware version:	V.1.0
Software version:	Version 1.2.3
RF Technical Description	
<input checked="" type="checkbox"/> FDD Band 2	
Operation Frequency:	Uplink: 1850.7 MHz – 1909.3 MHz Downlink: 1930.7 MHz – 1989.3 MHz
Channel bandwidth:	<input checked="" type="checkbox"/> 1.4MHz <input checked="" type="checkbox"/> 3MHz <input checked="" type="checkbox"/> 5MHz <input checked="" type="checkbox"/> 10MHz <input checked="" type="checkbox"/> 15MHz <input checked="" type="checkbox"/> 20MHz
<input checked="" type="checkbox"/> FDD Band 3	
Operation Frequency:	Uplink: 1710.7 MHz – 1784.3 MHz Downlink: 1805.7 MHz – 1879.3 MHz
Channel bandwidth:	<input checked="" type="checkbox"/> 1.4MHz <input checked="" type="checkbox"/> 3MHz <input checked="" type="checkbox"/> 5MHz <input checked="" type="checkbox"/> 10MHz <input checked="" type="checkbox"/> 15MHz <input checked="" type="checkbox"/> 20MHz
<input checked="" type="checkbox"/> FDD Band 4	
Operation Frequency:	Uplink:1710.7 MHz – 1754.3 MHz Downlink: 2110.7 MHz – 2154.3 MHz
Channel bandwidth:	<input checked="" type="checkbox"/> 1.4MHz <input checked="" type="checkbox"/> 3MHz <input checked="" type="checkbox"/> 5MHz <input checked="" type="checkbox"/> 10MHz <input checked="" type="checkbox"/> 15MHz <input checked="" type="checkbox"/> 20MHz
<input checked="" type="checkbox"/> FDD Band 7	
Operation Frequency:	Uplink:2502.5 MHz – 2567.5 MHz Downlink: 2622.5 MHz – 2687.5 MHz
Channel bandwidth:	<input type="checkbox"/> 1.4MHz <input type="checkbox"/> 3MHz <input checked="" type="checkbox"/> 5MHz <input checked="" type="checkbox"/> 10MHz <input checked="" type="checkbox"/> 15MHz <input checked="" type="checkbox"/> 20MHz
<input checked="" type="checkbox"/> FDD Band 28	
Operation Frequency:	Uplink:704.5 MHz – 746.5 MHz Downlink: 759.5MHz – 801.5 MHz
Channel bandwidth:	<input type="checkbox"/> 1.4MHz <input checked="" type="checkbox"/> 3MHz <input checked="" type="checkbox"/> 5MHz <input type="checkbox"/> 10MHz <input type="checkbox"/> 15MHz <input type="checkbox"/> 20MHz
Power Class:	<input type="checkbox"/> Class 1 <input type="checkbox"/> Class 2 <input checked="" type="checkbox"/> Class 3 <input type="checkbox"/> Class 4
Modulation type:	<input checked="" type="checkbox"/> QPSK <input checked="" type="checkbox"/> 16QAM <input type="checkbox"/> 64QAM

Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
Low Range	5	20775	2502.5	2775	2622.5
	10	20800	2505	2800	2625
	15	20825	2507.5	2825	2627.5
	20 [1]	20850	2510	2850	2630
Mid Range	5/10/15 20 [1]	21100	2535	3100	2655
High Range	5	21425	2567.5	3425	2687.5
	10	21400	2565	3400	2685
	15	21375	2562.5	3375	2682.5
	20 [1]	21350	2560	3350	2680
NOTE 1: Bandwidth for which a relaxation of the specified UE receiver sensitivity requirement (TS 36.101 [27] Clause 7.3) is allowed.					

2.4. 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. :	/

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/IEC 17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories, Date of Registration: February 28, 2015. Valid time is until February 27, 2018.

A2LA-Lab Cert. No. 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. 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 FCC 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 Australian C-Tick mark as a result of our A2LA accreditation.

VCCI

The 3m Semi-

anechoic chamber (12.2m×7.95m×6.7m) of Shenzhen Huatongwei International Inspection Co., Ltd.

has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2484. Date of Registration: Dec. 20, 2012. Valid time is until Dec. 29, 2015.

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

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

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

DNV

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

3.3. Environmental conditions

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

Normal Temperature/Tnor:	15~35°C
Relative 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 according to TR-100028-01 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1" and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2" and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system according 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 Emission 1~18GHz	5.16 dB	(1)
Radiated Emission 18-40GHz	5.54 dB	(1)
Occupied Bandwidth	-----	(1)
Emission Mask	-----	(1)
Modulation Characteristic	-----	(1)
Transmitter Frequency Behavior	-----	(1)

(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

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	WIDEB.RADIO COMM.TESRER	Rohde&Schwarz	CMW500	1201.0002K50	2015/11/3
3	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2015/11/2
4	Splitter	Mini-Circuit	ZAPD-4	400059	2015/11/2

Frequency Stability					
No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2015/11/2
2	WIDEB.RADIO COMM.TESRER	Rohde&Schwarz	CMW500	1201.0002K50	2015/11/3
3	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2015/11/2
4	Climate Chamber	ESPEC	EL-10KA	05107008	2015/11/2
5	Splitter	Mini-Circuit	ZAPD-4	400059	2015/11/2

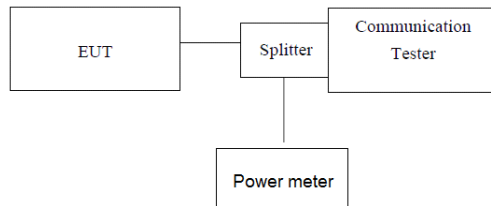
Output Power (Radiated) & Radiated Spurious Emission					
No.	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	UNIVERSAL RADIO COMMUNICATION	Rohde&Schwarz	CMU200	112012	2015/11/2
2	Spectrum Analyzer	Rohde&Schwarz	FSU26	201141	2015/11/2
3	HORN ANTENNA	ShwarzBeck	9120D	1012	2015/11/2
4	HORN ANTENNA	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	Amplifier	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
24	WIDEB.RADIO COMM.TESRER	R&S	CMW500	1201.0002K50	2015/11/3

The calibration interval was one year.

4. TEST CONDITIONS AND RESULTS

4.1. Conducted Output Power

TEST CONFIGURATION



Note: Measurement setup for testing on Antenna connector

TEST PROCEDURE

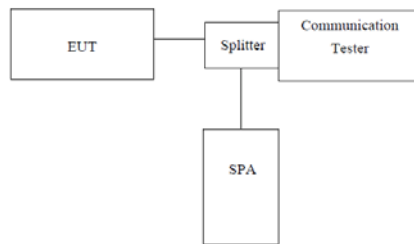
1. The transmitter output port was connected to base station.
2. The RF output of EUT was connected to the power meter by RF cable and attenuator, the path loss was compensated to the results for each measurement.
3. Set EUT at maximum power through base station.
4. Select lowest, middle, and highest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

TEST RESULTS

EUT Mode	Frequency (MHz)	Max Avg.Power QPSK (dBm)	Max Avg.Power 16QAM (dBm)
LTE Band 2	1850.70 – 1909.30	22.52	21.74
LTE Band 4	1710.70 – 1754.30	22.34	21.81
LTE Band 7	2502.50 – 2567.50	22.45	21.89

4.2. Occupy Bandwidth

TEST CONFIGURATION



Note: Measurement setup for testing on Antenna connector

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

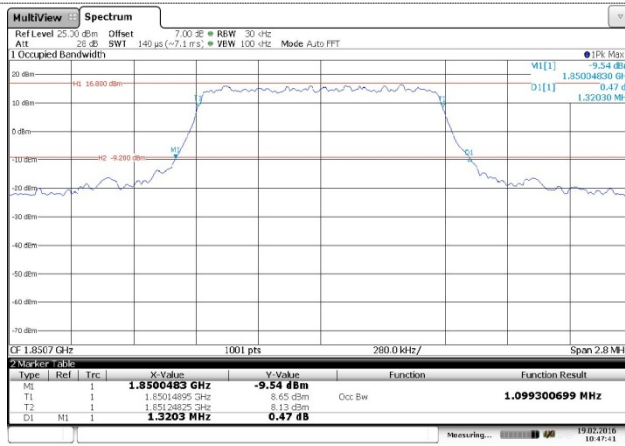
LTE Band 2					
Bandwidth	Channel	99% Occupy bandwidth (MHz)		-26dB bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
1.4MHz	Low	1.10	1.10	1.32	1.32
	Mid	1.11	1.09	1.41	1.33
	High	1.10	1.11	1.37	1.39
3MHz	Low	2.70	2.69	2.97	2.98
	Mid	2.69	2.68	2.93	2.96
	High	2.69	2.70	2.96	2.97
5MHz	Low	4.53	4.51	5.06	5.06
	Mid	4.53	4.51	5.09	5.10
	High	4.52	4.54	5.10	5.06
10MHz	Low	8.59	8.59	9.90	9.70
	Mid	8.93	8.95	9.87	9.85
	High	8.95	8.95	9.83	9.73
15MHz	Low	13.52	13.52	14.96	14.84
	Mid	13.46	13.49	14.87	14.93
	High	13.49	13.49	14.96	14.96
20MHz	Low	17.94	17.94	19.50	19.46
	Mid	17.94	17.90	19.72	19.58
	High	17.90	17.90	19.42	19.66

LTE Band 4					
Bandwidth	Channel	99% Occupy bandwidth (MHz)		-26dB bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
1.4MHz	Low	1.11	1.09	1.42	1.35
	Mid	1.10	1.10	1.30	1.33
	High	1.10	1.10	1.36	1.32
3MHz	Low	2.70	2.70	3.01	3.01
	Mid	2.69	2.69	2.94	2.96
	High	2.68	2.69	3.00	2.97
5MHz	Low	4.55	4.52	5.09	5.16
	Mid	4.51	4.53	5.05	5.05
	High	4.51	4.55	5.12	5.10
10MHz	Low	8.95	8.95	9.99	9.79
	Mid	8.95	8.95	9.79	9.75
	High	8.95	8.95	9.89	9.71
15MHz	Low	13.55	13.55	15.02	14.93
	Mid	13.49	13.52	14.84	14.93
	High	13.52	13.49	15.06	14.97
20MHz	Low	17.94	17.98	19.76	19.52
	Mid	17.98	17.94	19.68	19.40
	High	17.90	17.90	19.41	19.61

LTE Band 7					
Bandwidth	Channel	99% Occupy bandwidth (MHz)		-26dB bandwidth (MHz)	
		QPSK	16QAM	QPSK	16QAM
5MHz	Low	4.52	4.53	5.05	5.04
	Mid	4.50	4.53	5.04	5.09
	High	4.53	4.51	5.08	5.08
10MHz	Low	8.95	8.95	9.81	9.77
	Mid	8.95	8.95	9.81	9.77
	High	8.97	8.95	9.85	9.69
15MHz	Low	13.49	13.52	14.90	14.87
	Mid	13.52	13.52	14.96	14.81
	High	13.52	13.49	14.93	14.90
20MHz	Low	17.94	17.98	19.41	19.45
	Mid	17.94	17.94	19.62	19.50
	High	17.90	17.94	19.35	19.63

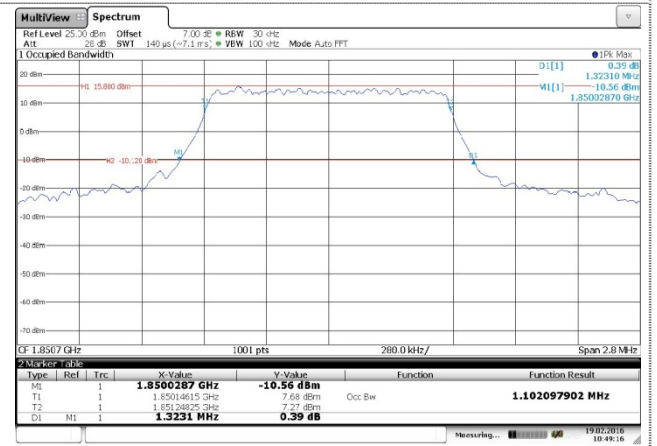
LTE Band 2-1.4MHz

QPSK



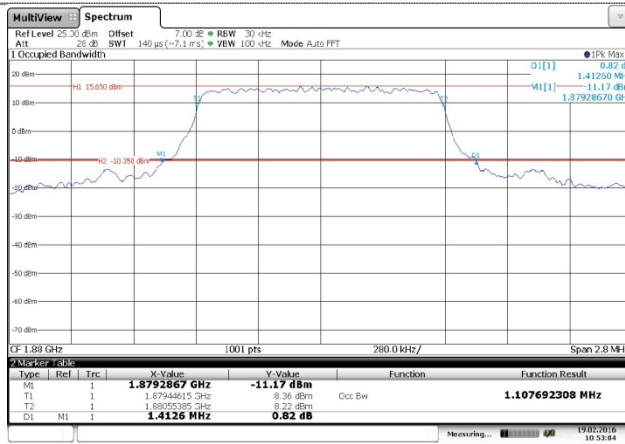
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16QAM



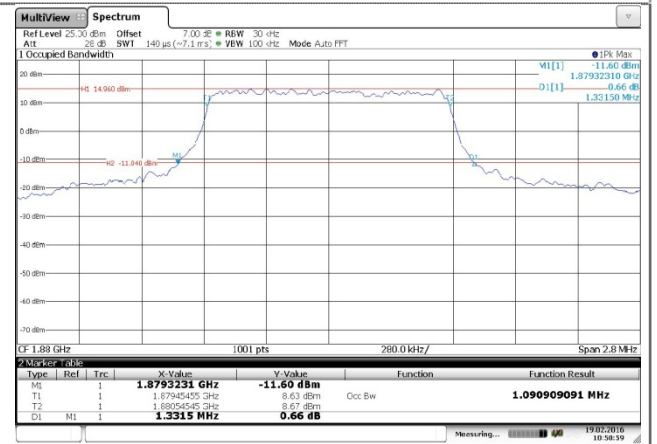
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Channel Low



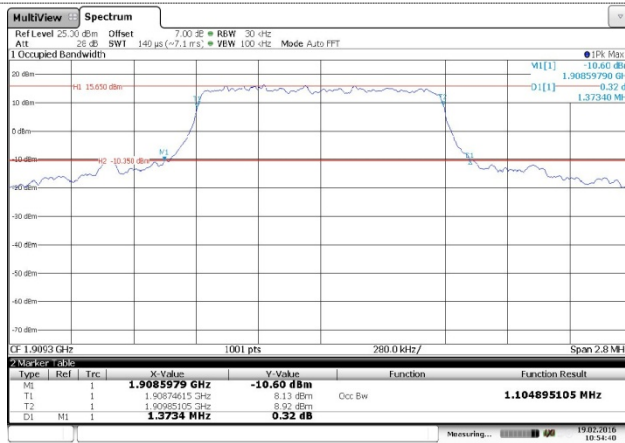
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Channel Low



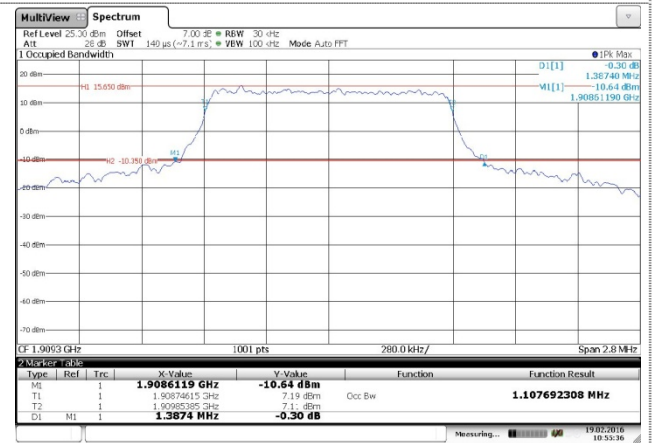
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Channel Mid



Date: 19 FEB 2016 13:54:40

Channel Mid



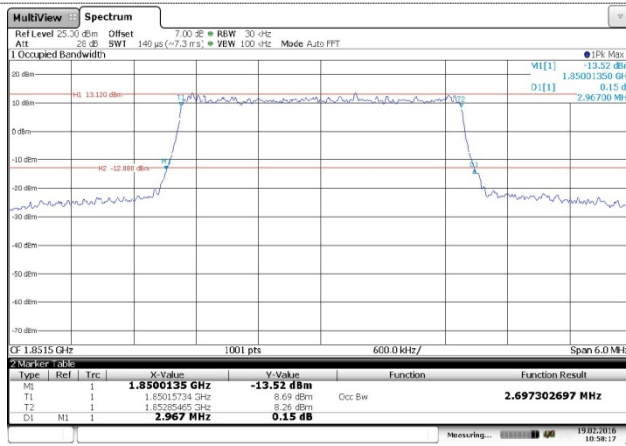
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Channel High

Channel High

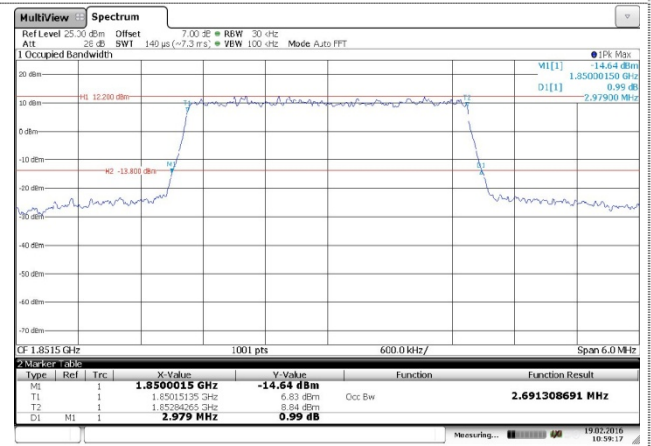
LTE Band 2-3MHz

QPSK



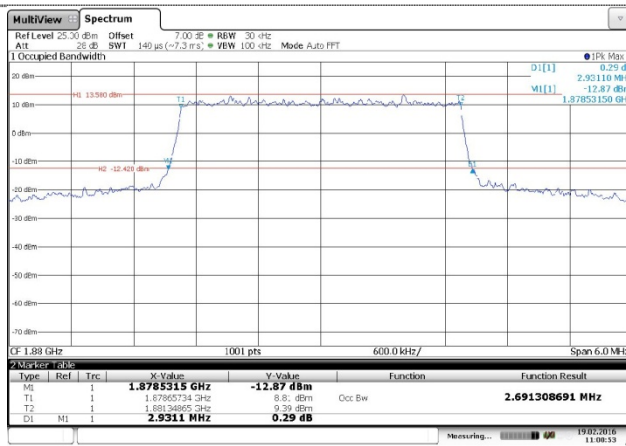
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16QAM



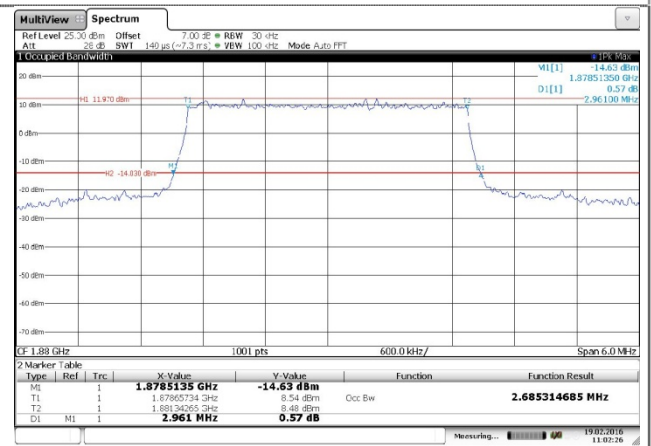
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Channel Low



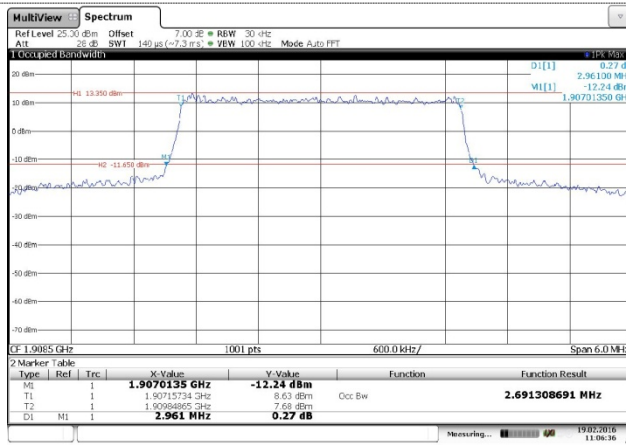
Date: 19 FEB 2016 11:08:53

Channel Low



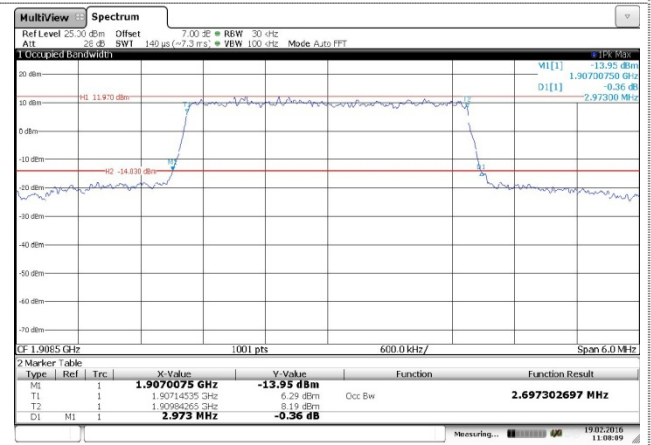
Date: 19 FEB 2016 11:08:56

Channel Mid



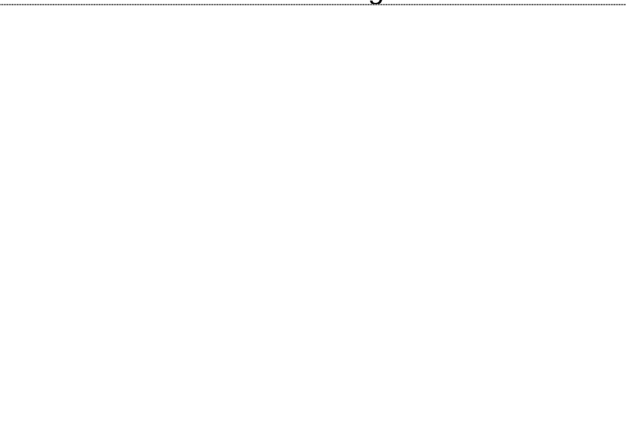
Date: 19 FEB 2016 11:08:36

Channel Mid



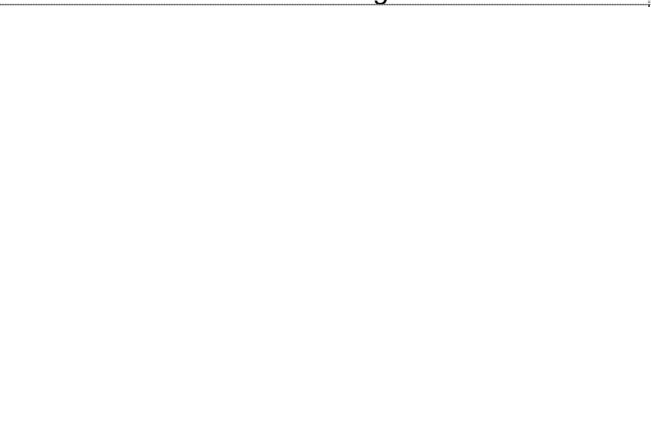
Date: 19 FEB 2016 11:08:59

Channel High



Date: 19 FEB 2016 11:08:17

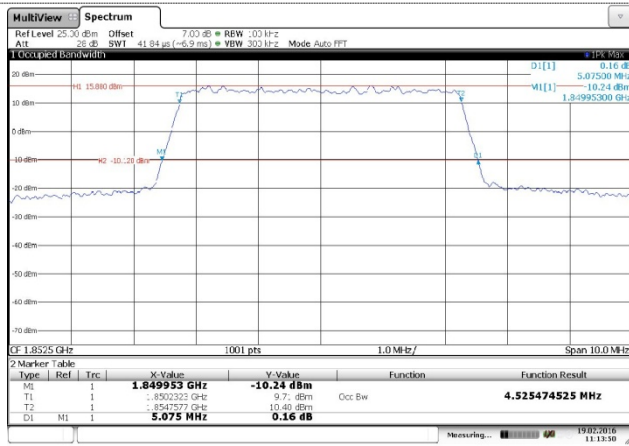
Channel High



Date: 19 FEB 2016 10:58:17

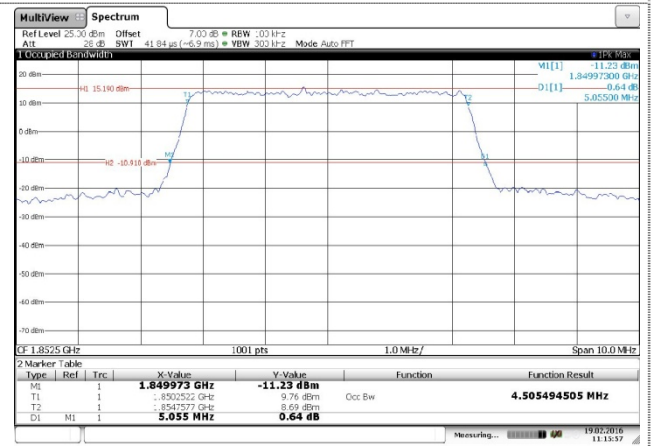
LTE Band 2-5MHz

QPSK



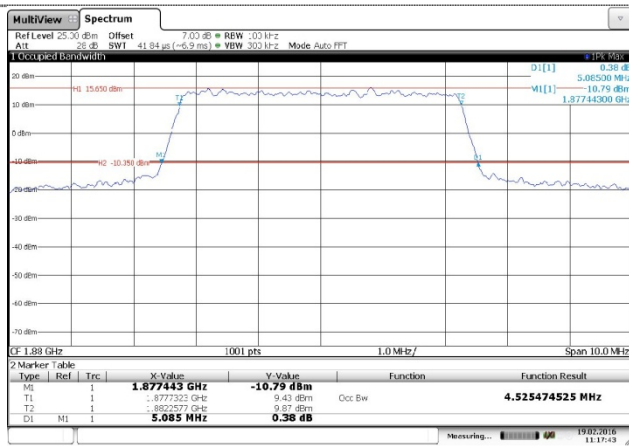
Date: 19 FEB 2016 11:13:50

16QAM



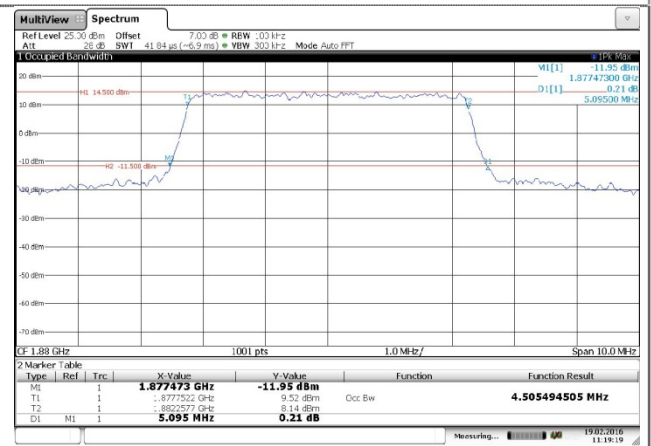
Date: 19 FEB 2016 11:13:58

Channel Low



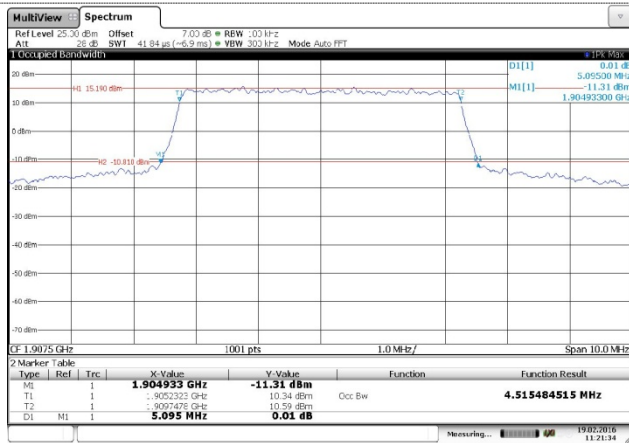
Date: 19 FEB 2016 11:17:43

Channel Low



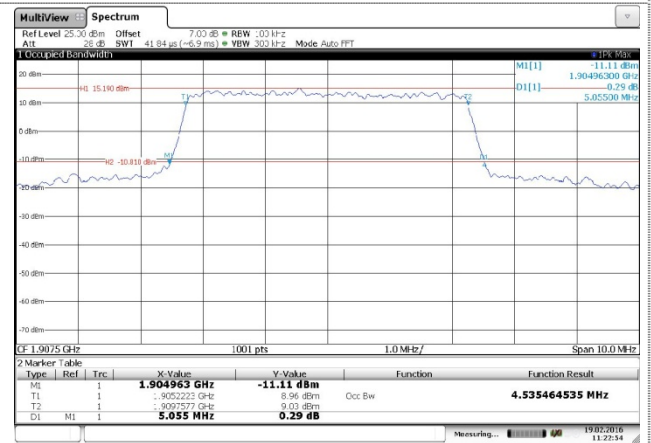
Date: 19 FEB 2016 11:19:19

Channel Mid



Date: 19 FEB 2016 11:21:34

Channel Mid



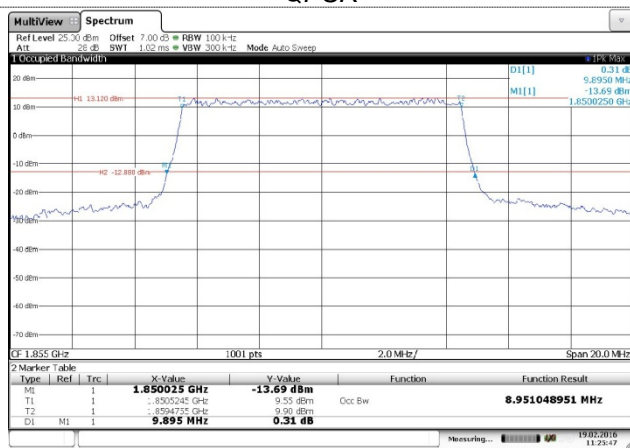
Date: 19 FEB 2016 11:22:55

Channel High

Channel High

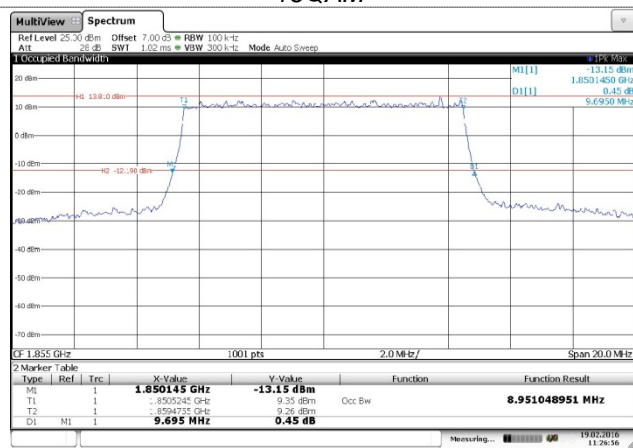
LTE Band 2-10MHz

QPSK



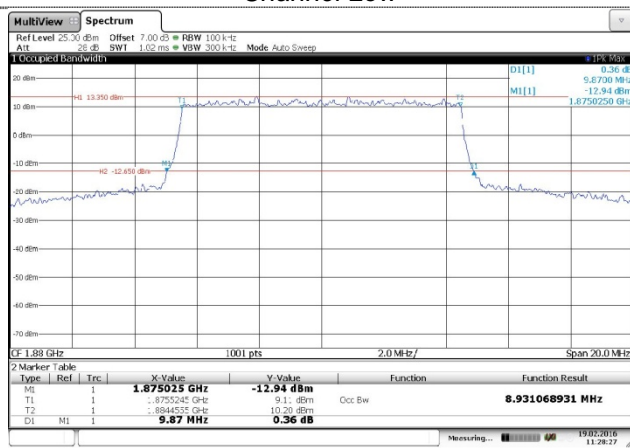
Date: 19 FEB 2016 11:25:47

16QAM



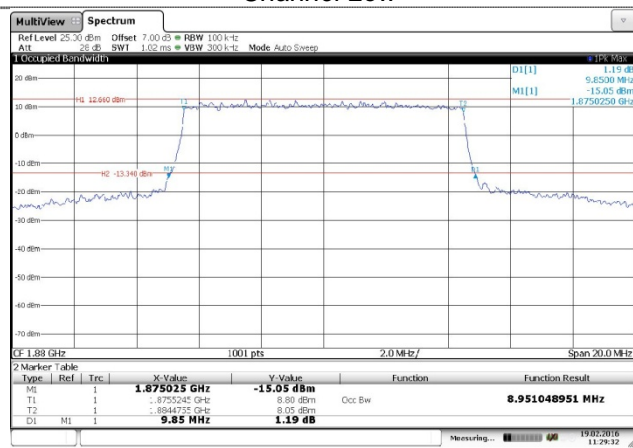
Date: 19 FEB 2016 11:26:56

Channel Low



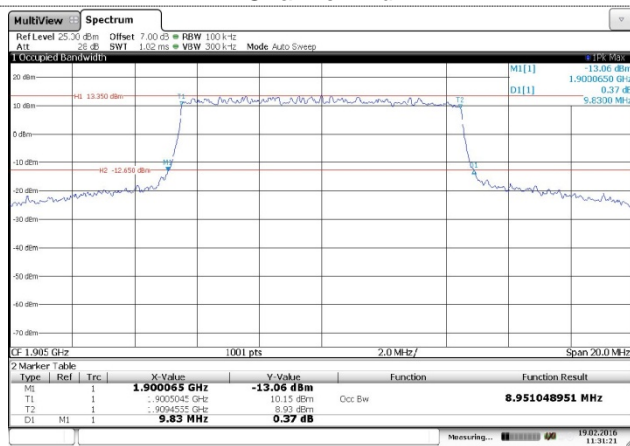
Date: 19 FEB 2016 11:28:27

Channel Low



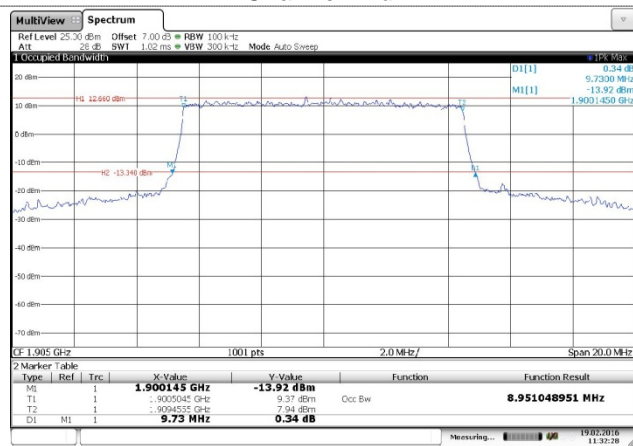
Date: 19 FEB 2016 11:29:32

Channel Mid



Date: 19 FEB 2016 11:31:22

Channel Mid



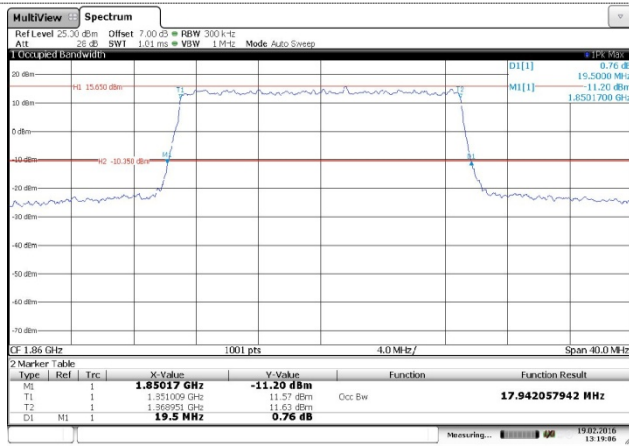
Date: 19 FEB 2016 11:32:28

Channel High

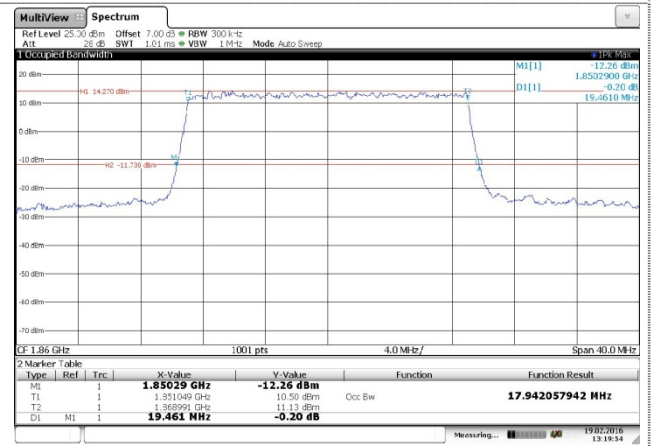
Channel High

LTE Band 2-20MHz

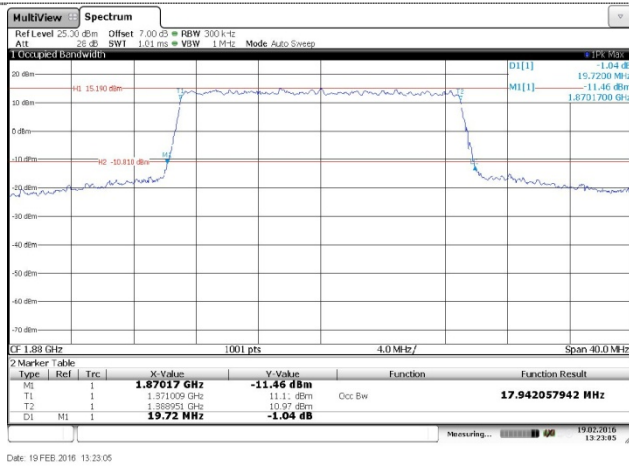
QPSK



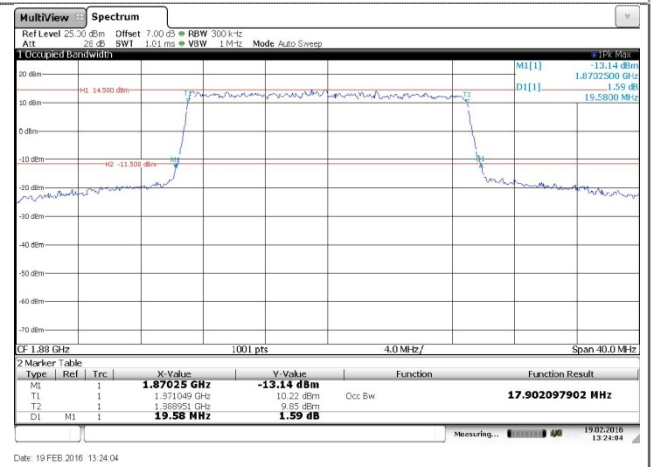
16QAM



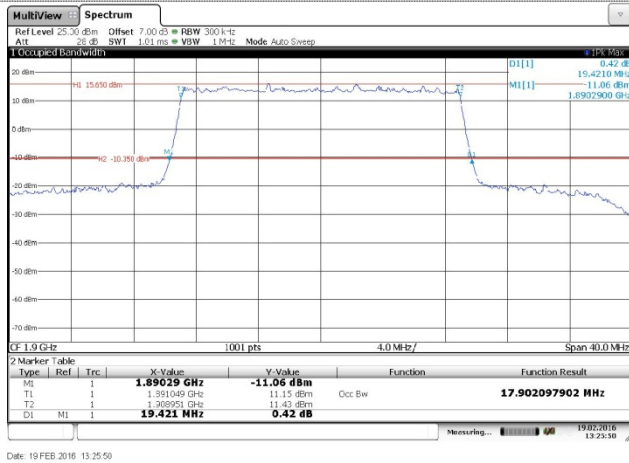
Channel Low



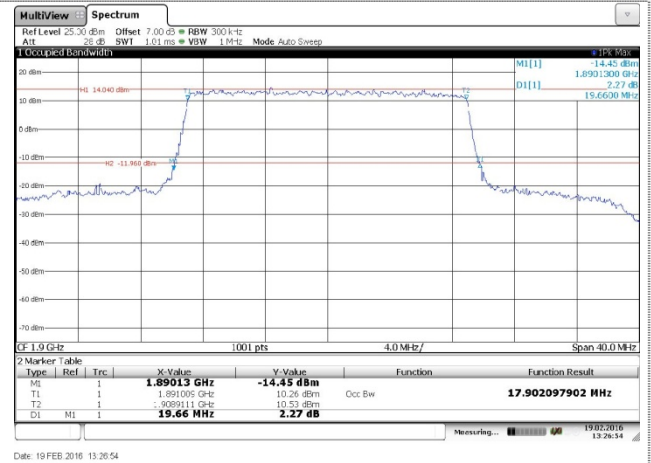
Channel Low



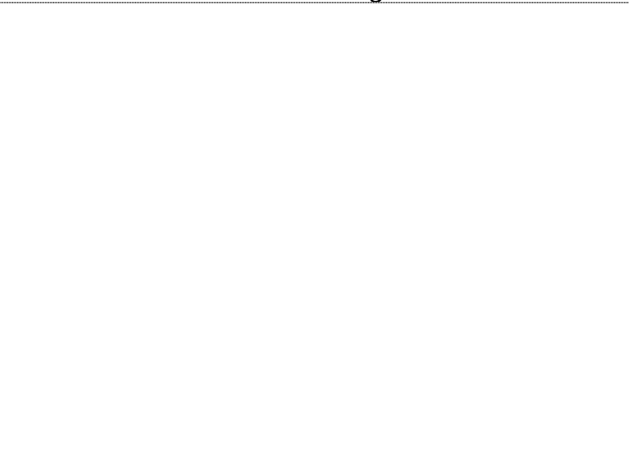
Channel Mid



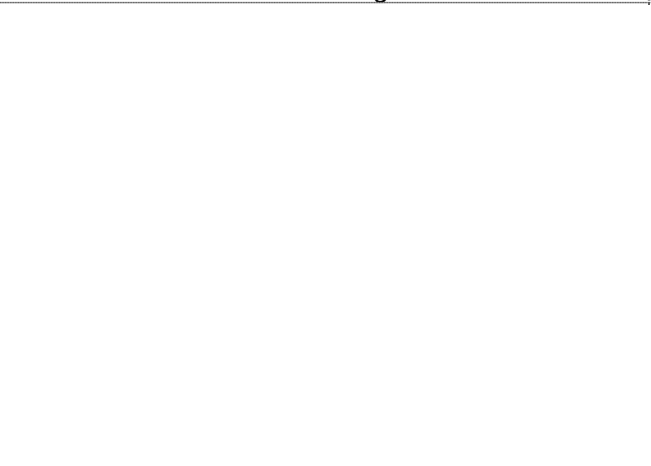
Channel Mid



Channel High

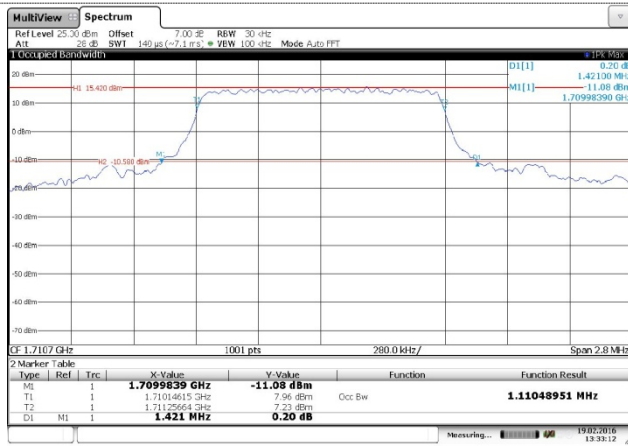


Channel High



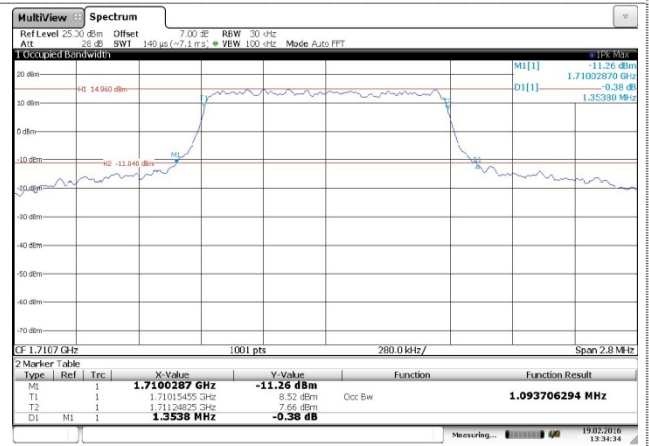
LTE Band 4-1.4MHz

QPSK



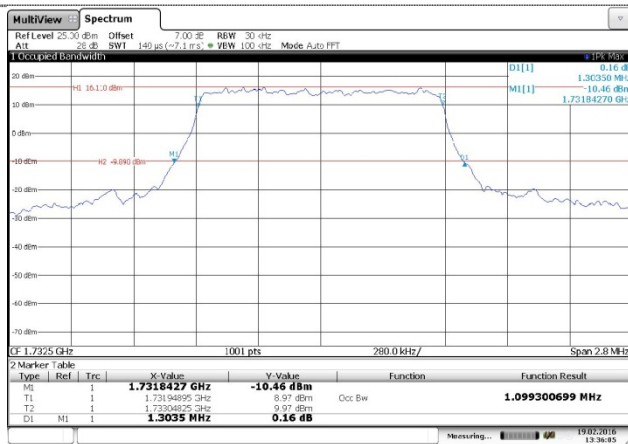
Date: 19 FEB 2016 13:33:13

16QAM



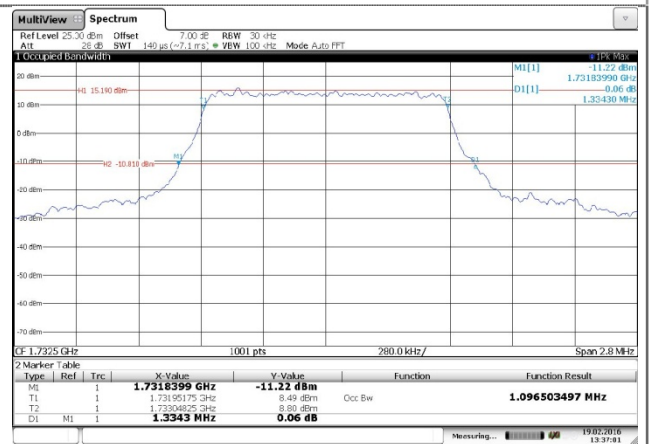
Date: 19 FEB 2016 13:34:34

Channel Low



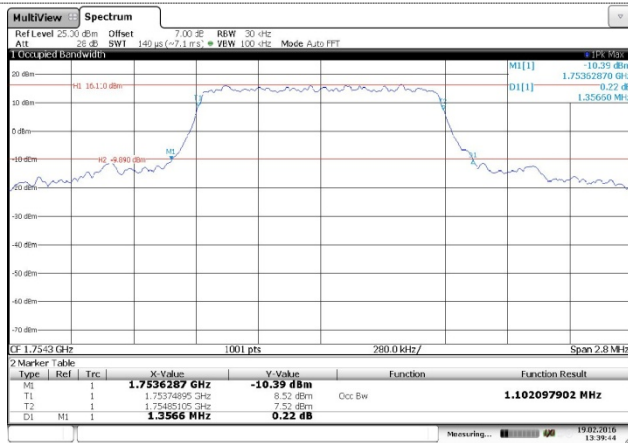
Date: 19 FEB 2016 13:36:05

Channel Low



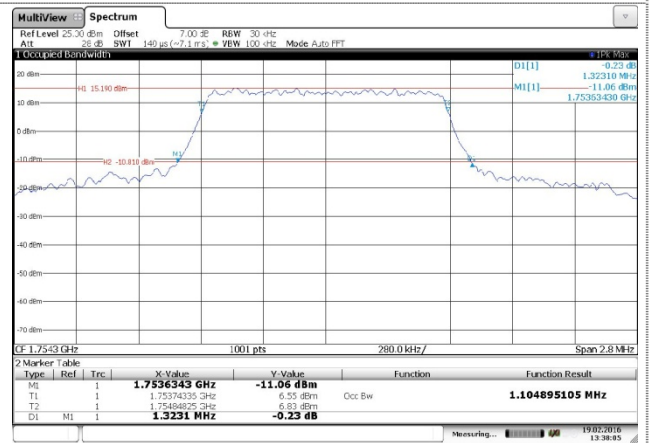
Date: 19 FEB 2016 13:37:02

Channel Mid



Date: 19 FEB 2016 13:39:43

Channel Mid



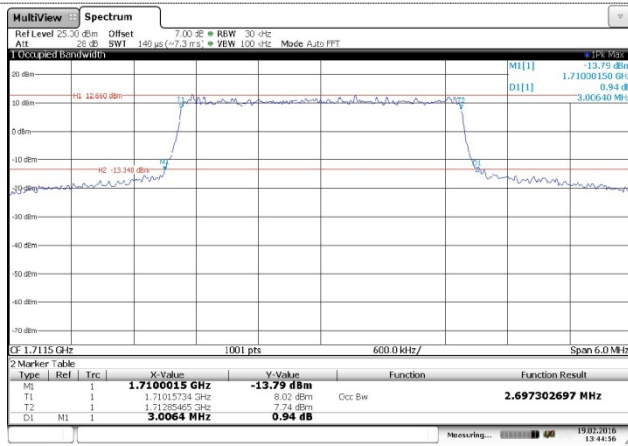
Date: 19 FEB 2016 13:39:05

Channel High

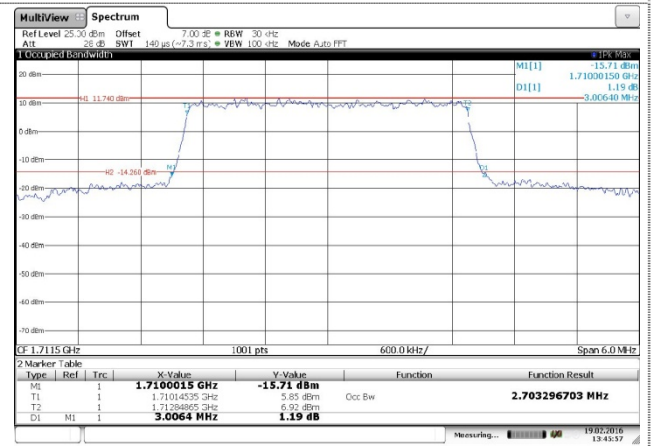
Channel High

LTE Band 4-3MHz

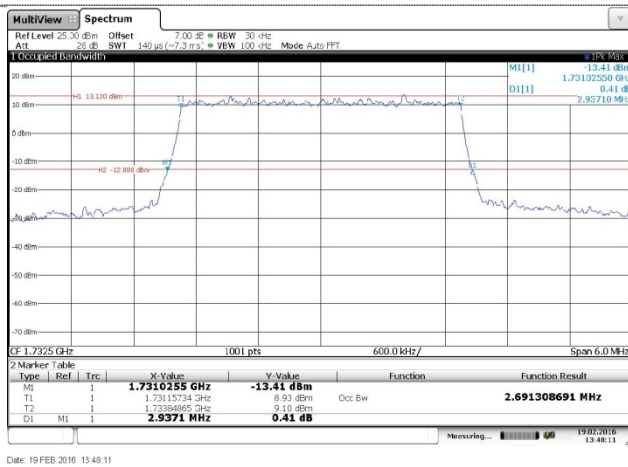
QPSK



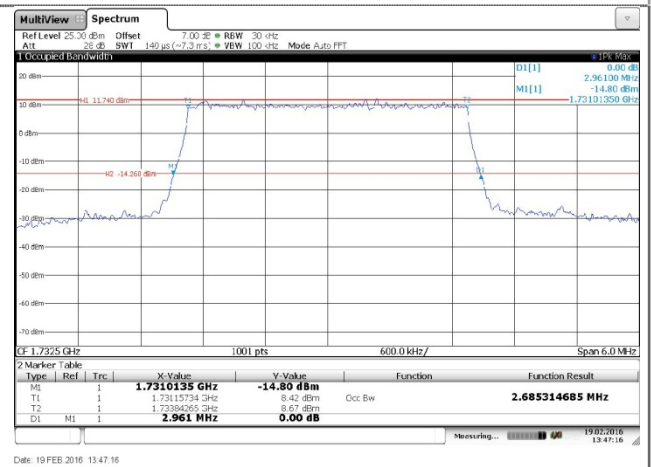
16QAM



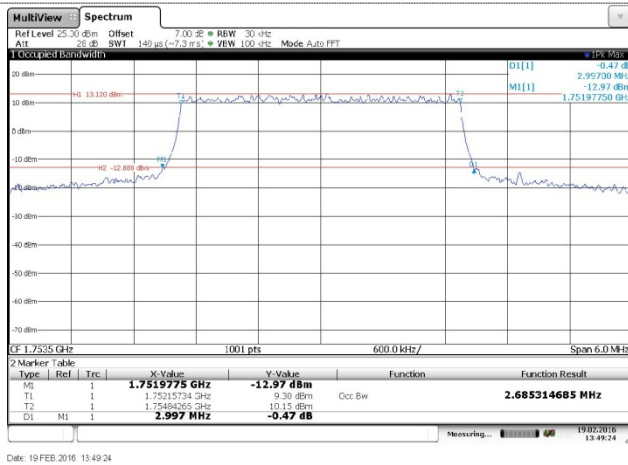
Channel Low



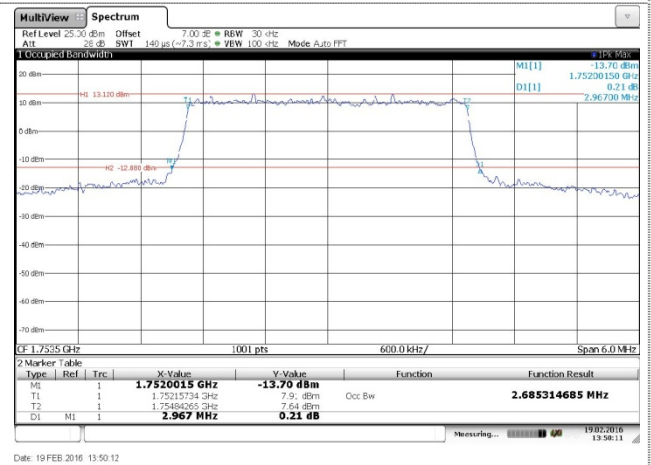
Channel Low



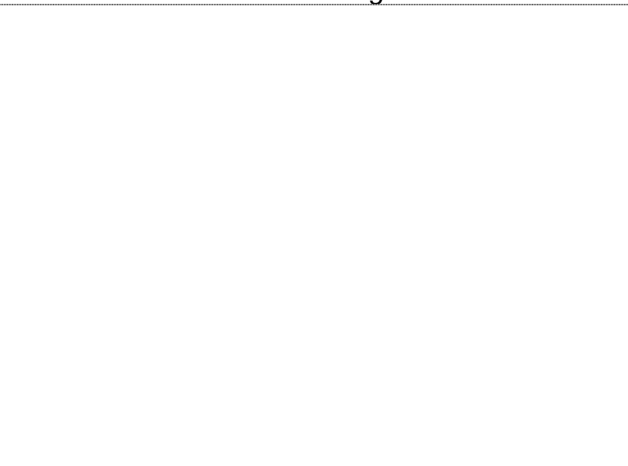
Channel Mid



Channel Mid



Channel High



Channel High

