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Report On

FCC Testing of the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS
In accordance with FCC 47 CFR Part 22 and FCC 47 CFR Part 2 (WCDMA FDD V)

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FCC ID: APYHRO00218

Document 75929719 Report 17 Issue 4

June 2015



Product Service

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COMMERCIAL-IN-CONFIDENCE

REPORT ON

FCC Testing of the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC, FeliCa) and GPS
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Document 75929719 Report 17 Issue 4

May 2015

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DATED

25 June 2015

This report has been up-issued to Issue 4 to amend the antenna gain.

ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate limited compliance with FCC 47 CFR Part 22 and FCC 47 CFR Part 2. The sample tested was found to comply with the requirements defined in the applied rules.

Test Engineer(s);

M Toubella

M Russell



G Lawler

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SECTION 1

REPORT SUMMARY

FCC Testing of the
Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V),
Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with
Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS
In accordance with FCC 47 CFR Part 22 and FCC 47 CFR Part 2 (WCDMA FDD V)



1.1 INTRODUCTION

The information contained in this report is intended to show the verification of FCC Testing of the Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS to the requirements of FCC 47 CFR Part 22 and FCC 47 CFR Part 2.

Objective	To perform FCC Testing to determine the Equipment Under Test's (EUT's) compliance with the Test Specification, for the series of tests carried out.
Manufacturer	Sharp Corporation
Model Number(s)	SHV32
Serial Number(s)	IMEI 004401115406387 IMEI 004401115406734
Number of Samples Tested	2
Test Specification/Issue/Date	FCC 47 CFR Part 22 (2014) FCC 47 CFR Part 2 (2014)
Disposal	Held Pending Disposal
Reference Number	Not Applicable
Date	Not Applicable
Order Number	10477
Date	02 March 2015
Start of Test	14 April 2015
Finish of Test	10 May 2015
Name of Engineer(s)	M Toubella M Russell G Lawler
Related Document(s)	ANSI C63.4 (2003) ANSI TIA-603-C (2004)



1.2 BRIEF SUMMARY OF RESULTS

A brief summary of the tests carried out in accordance with FCC 47 CFR Part 22 and FCC 47 CFR Part 2 (WCDMA FDD V) is shown below.

Section	Specification Clause		Test Description	Result	Comments/Base Standard
	Part 22	Part 2			
WCDMA FDD V					
2.1	22.355	2.1055	Frequency Tolerance	Pass	
2.2	22.905 and 22.917	2.1051	Spurious Emissions at Band Edge	Pass	
2.3	22.913 (a)	2.1046	Maximum Conducted Output Power	Pass	
2.4	22.917	2.1053	Emission Limitations for Cellular Equipment	Pass	
2.5	22.917 (b)	2.1049 (h)	26 dB Bandwidth	Pass	
2.6	-	2.1047 (d)	Modulation Characteristics	-	Customer Declaration



Product Service

1.3 PRODUCT TECHNICAL DESCRIPTION

Please refer to the SHV32 Model Description Form.

1.4 PRODUCT INFORMATION

1.4.1 Technical Description

The Equipment Under Test (EUT) was a Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V), Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS. A full technical description can be found in the manufacturer's documentation.

1.5 TEST CONDITIONS

For all tests the EUT was set up in accordance with the relevant test standard and to represent typical operating conditions. Tests were applied with the EUT situated in a shielded enclosure.

The EUT was powered from a 4.0 V DC supply.

FCC Measurement Facility Registration Number
90987 Octagon House, Fareham Test Laboratory

1.6 DEVIATIONS FROM THE STANDARD

No deviations from the applicable test standard were made during testing.

1.7 MODIFICATION RECORD

Modification 0 - No modifications were made to the test sample during testing.



Product Service

SECTION 2

TEST DETAILS

FCC Testing of the
Sharp SHV32 Hex-band LTE (B1 / B3 / B5 / B17 / B26 / B28), Dual-band WCDMA (FDD I / V),
Quad-band GSM (850/900/1800/1900) & AXGP (TDD41) multi mode Smart phone with
Bluetooth, WLAN, SRD (NFC,FeliCa) and GPS
In accordance with FCC 47 CFR Part 22 and FCC 47 CFR Part 2 (WCDMA FDD V)



Product Service

2.1 FREQUENCY TOLERANCE

2.1.1 Specification Reference

FCC 47 CFR Part 22, Clause 22.355
FCC 47 CFR Part 2, Clause 2.1055

2.1.2 Equipment Under Test and Modification State

SHV32 S/N: IMEI 004401115406387 - Modification State 0

2.1.3 Date of Test

28 April 2015 & 29 April 2015

2.1.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.1.5 Test Procedure

The test was performed in accordance with KDB 971168 D01 v02r02, Clause 9.

2.1.6 Environmental Conditions

Ambient Temperature	21.3°C
Relative Humidity	24.5%



Product Service

2.1.7 Test Results

4.0 V DC Supply

WCDMA FDD V, 835.00 MHz, RMC 12.2 kbps, QPSK, Frequency Tolerance Under Temperature Variations Results

Temperature	Fundamental Frequency Deviation (ppm)
-30 °C	-0.008
-20 °C	-0.010
-10 °C	-0.008
0 °C	-0.010
+10 °C	-0.010
+20 °C	-0.007
+30 °C	-0.008
+40 °C	-0.008
+50 °C	-0.010

WCDMA FDD V, 835.00 MHz, RMC 12.2 kbps, QPSK, Frequency Tolerance Under Voltage Variations Results

Voltage	Fundamental Frequency Deviation (ppm)
4.0 V DC	-0.007
3.7 V DC	-0.010

FCC 47 CFR Part 22, Limit Clause 22.355

Frequency Range (MHz)	Base, Fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20	20	50
50 to 450	5	5	50
450 to 512	2.5	5	5
821 to 896	1.5	2.5	2.5
928 to 929	5.0	-	-
929 to 960	1.5	-	-
2110 to 2220	10	-	-



Product Service

2.2 SPURIOUS EMISSIONS AT BAND EDGE

2.2.1 Specification Reference

FCC 47 CFR Part 22, Clause 22.905 and 22.917
FCC 47 CFR Part 2, Clause 2.1051

2.2.2 Equipment Under Test and Modification State

SHV32 S/N: IMEI 004401115406387 - Modification State 0

2.2.3 Date of Test

14 April 2015

2.2.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.2.5 Test Procedure

This test was performed in accordance with KDB 971168 D01 v02r02, clause 6.

Remarks

The EUT was configured with using a communications test set at maximum output power using 12.2 kbps RMC data connection.

2.2.6 Environmental Conditions

Ambient Temperature	22.7°C
Relative Humidity	41.4%



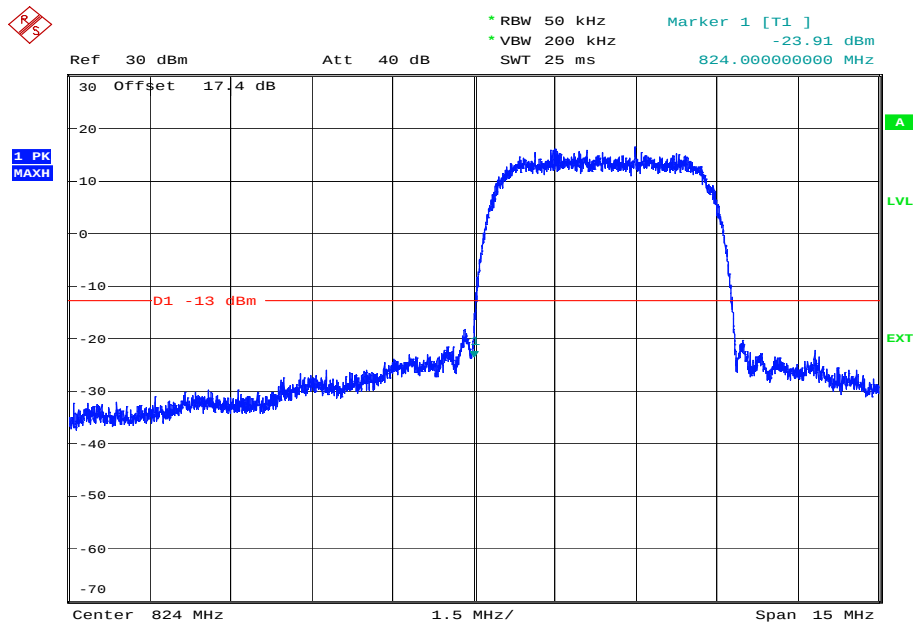
2.2.7 Test Results

4.0 V DC Supply

WCDMA FDD V, RMC 12.2 kbps, QPSK, Spurious Emissions at Band Edge Results

Block Edge	Frequency Block (MHz)	
	A :824.0 MHz – 835.0 MHz	B :846.5 MHz – 849.0 MHz
Lower	Channel: 4132 826.4 MHz	-
Upper	-	Channel: 4233 846.6 MHz

WCDMA FDD V, RMC 12.2 kbps, QPSK, Frequency Block A, Spurious Emissions at Band Edge Plot

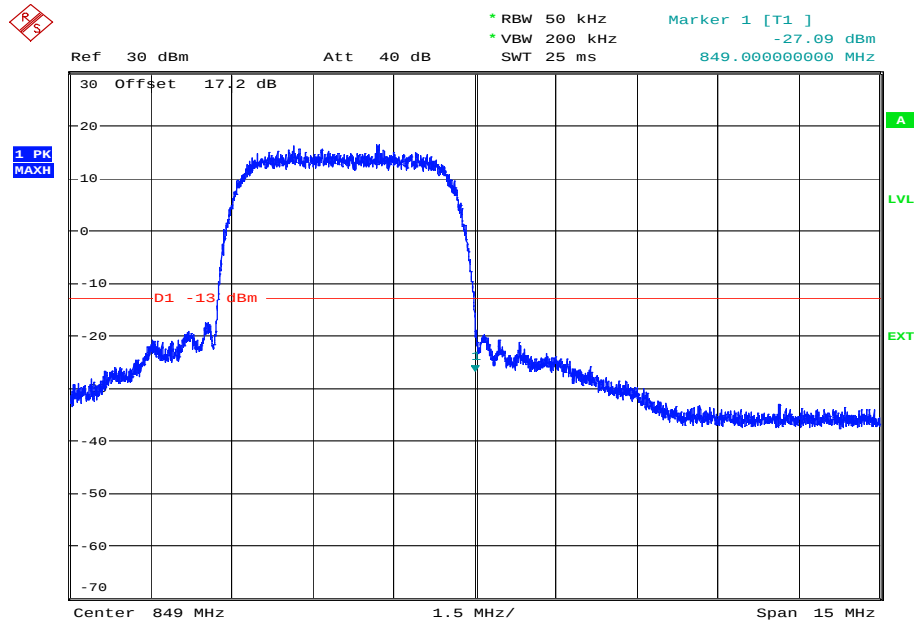


Date: 14.APR.2015 17:47:56



Product Service

WCDMA FDD V, RMC 12.2 kbps, QPSK, Frequency Block B, Spurious Emissions at Band Edge Plot



Date: 14.APR.2015 17:46:14

FCC 47 CFR Part 22, Limit Clause 22.905 and 22.917

-13 dBm at block edge.



Product Service

2.3 MAXIMUM CONDUCTED OUTPUT POWER

2.3.1 Specification Reference

FCC 47 CFR Part 22, Clause 22.913 (a)
FCC 47 CFR Part 2, Clause 2.1046

2.3.2 Equipment Under Test and Modification State

SHV32 S/N: IMEI 004401115406387 - Modification State 0

2.3.3 Date of Test

14 April 2015

2.3.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.3.5 Test Procedure

This test was performed in accordance with KDB 971168 D01 v02r02, clause 5.1.2.

Remarks

The EUT was configured with using a communications test set at maximum output power using 12.2 kbps RMC data connection.

2.3.6 Environmental Conditions

Ambient Temperature 23.4°C
Relative Humidity 41.9%

2.3.7 Test Results

4.0 V DC Supply

WCDMA FDD V, RMC 12.2 kbps, Maximum Peak Conducted Output Power Results

Frequency	Conducted Power (dBm)	Antenna Gain	ERP (dBm)	ERP (W)
826.40 MHz	27.05	1.0 dBi	25.90	0.389
835.00 MHz	27.12	1.0 dBi	25.97	0.395
846.60 MHz	26.74	1.0 dBi	25.59	0.362

FCC 47 CFR Part 22, Limit Clause 22.913 (a)(2)

Mobile Transmitters: 7 W or 38.45 dBm



Product Service

2.4 EMISSION LIMITATIONS FOR CELLULAR EQUIPMENT

2.4.1 Specification Reference

FCC 47 CFR Part 22, Clause 22.917
FCC 47 CFR Part 2, Clause 2.1053

2.4.2 Equipment Under Test and Modification State

SHV32 S/N: IMEI 004401115406734 - Modification State 0

2.4.3 Date of Test

10 May 2015

2.4.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.4.5 Test Procedure

The test was performed in accordance with KDB 971168 D01 v02r02, Clause 5.8 and 7 and ANSI C63.4, Clause 8.3 and ANSI TIA-603-C.

2.4.6 Environmental Conditions

Ambient Temperature	21.6°C
Relative Humidity	37.0%



Product Service

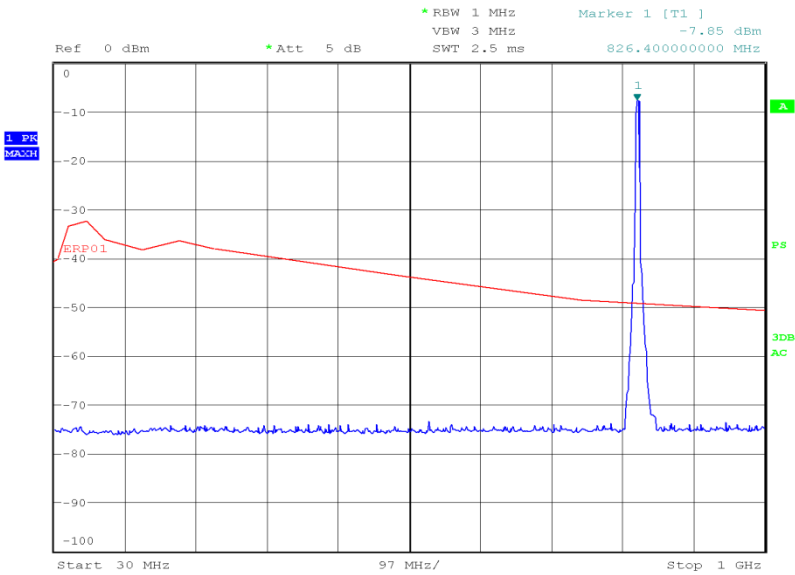
2.4.7 Test Results

WCDMA FDD V, 826.40 MHz, Emission Limitations for Cellular Equipment Results

Frequency (MHz)	Emission Results (dBm)
*	

*No emissions were detected within 10 dB of the limit.

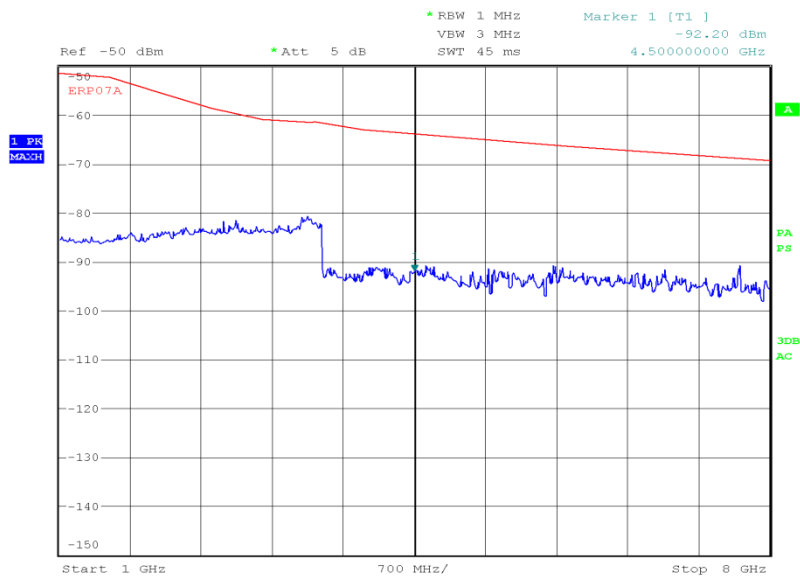
WCDMA FDD V, 826.40 MHz, 30 MHz to 1 GHz, Emission Limitations for Cellular Equipment Plot



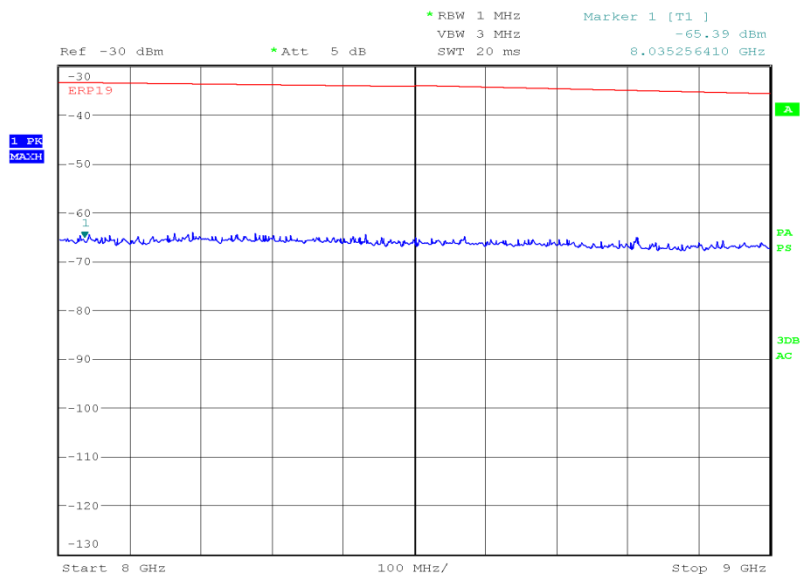
Date: 10.MAY.2015 08:26:09



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WCDMA FDD V, 826.40 MHz, 1 GHz to 8 GHz, Emission Limitations for Cellular Equipment Plot

Date: 10.MAY.2015 09:09:11

WCDMA FDD V, 826.40 MHz, 8 GHz to 9 GHz, Emission Limitations for Cellular Equipment Plot

Date: 10.MAY.2015 09:28:27



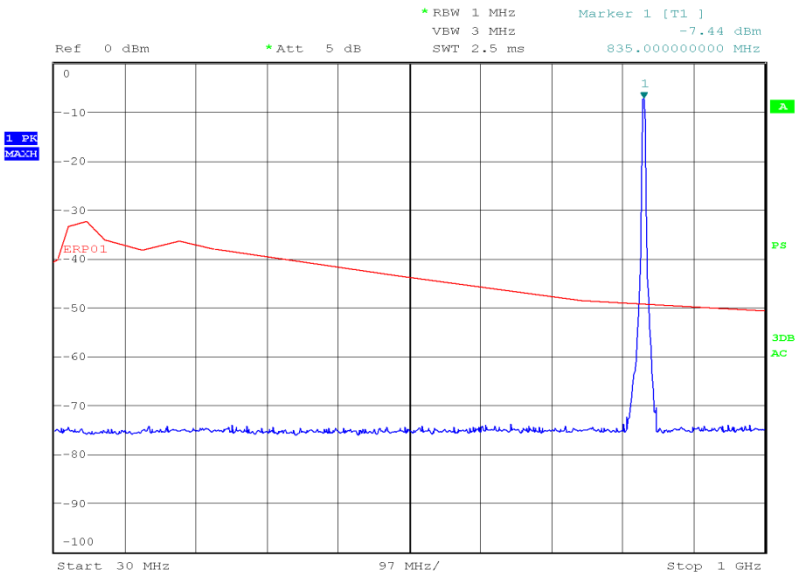
Product Service

WCDMA FDD V, 835.00 MHz, Emission Limitations for Cellular Equipment Results

Frequency (MHz)	Emission Results (dBm)
*	

*No emissions were detected within 10 dB of the limit.

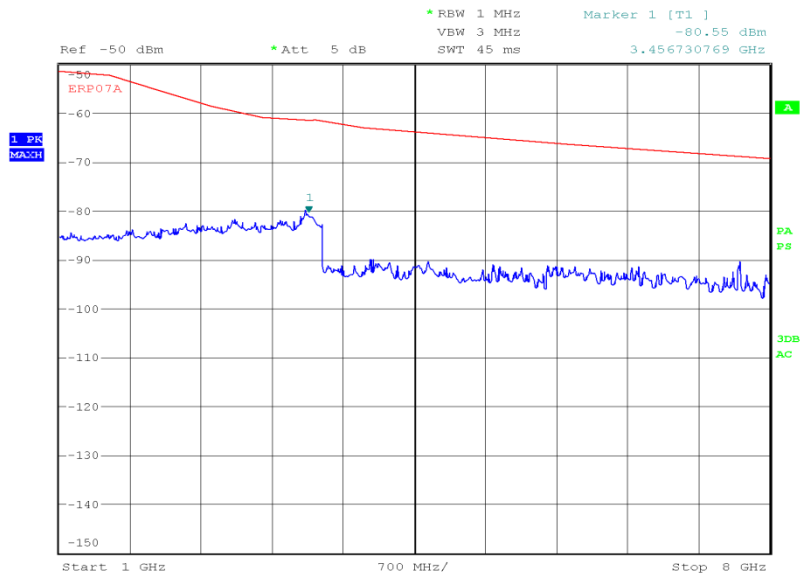
WCDMA FDD V, 835.00 MHz, 30 MHz to 1 GHz, Emission Limitations for Cellular Equipment Plot



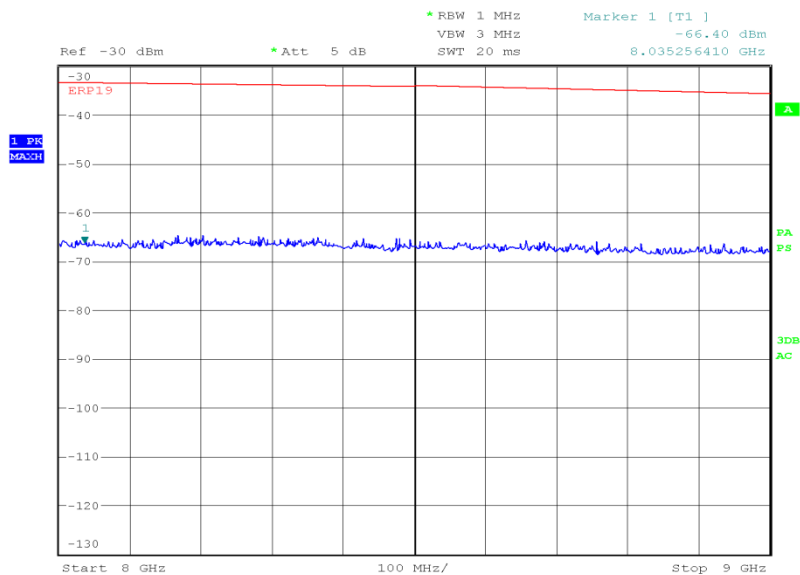
Date: 10.MAY.2015 08:45:41



Product Service

WCDMA FDD V, 835.00 MHz, 1 GHz to 8 GHz, Emission Limitations for Cellular Equipment Plot

Date: 10.MAY.2015 09:06:32

WCDMA FDD V, 835.00 MHz, 8 GHz to 9 GHz, Emission Limitations for Cellular Equipment Plot

Date: 10.MAY.2015 09:30:14



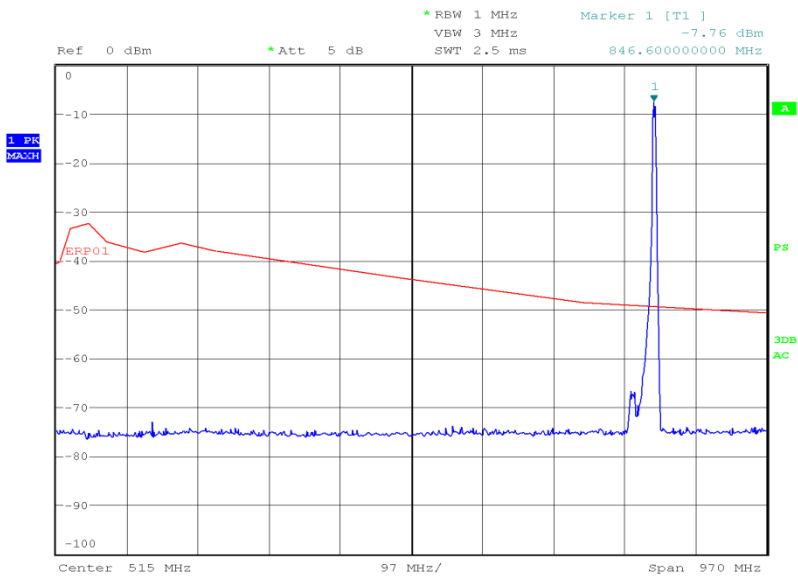
Product Service

WCDMA FDD V, 846.60 MHz, Emission Limitations for Cellular Equipment Results

Frequency (MHz)	Emission Results (dBm)
*	

*No emissions were detected within 10 dB of the limit.

WCDMA FDD V, 846.60 MHz, 30 MHz to 1 GHz, Emission Limitations for Cellular Equipment Plot

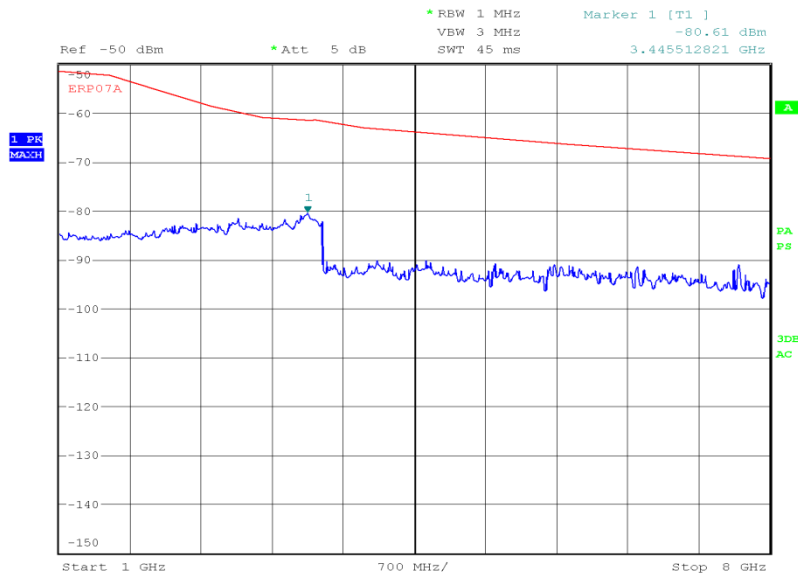


Date: 10.MAY.2015 08:48:18



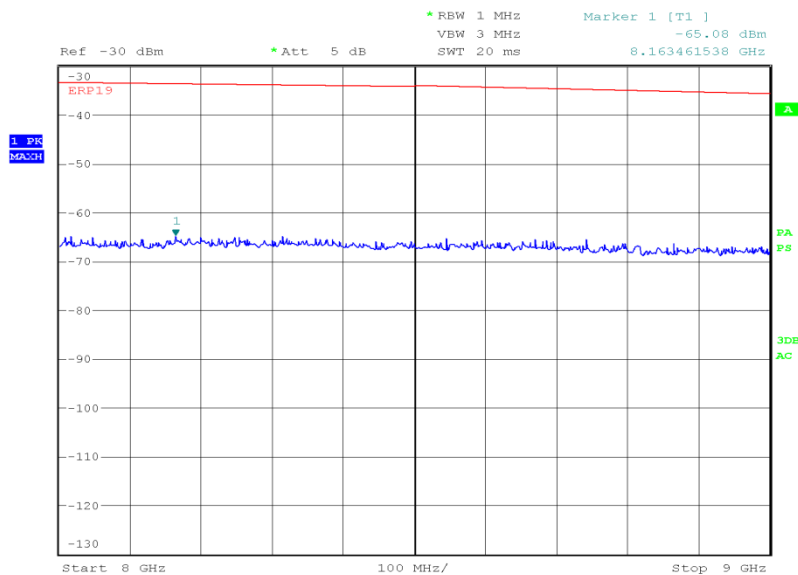
Product Service

WCDMA FDD V, 846.60 MHz, 1 GHz to 8 GHz, Emission Limitations for Cellular Equipment Plot



Date: 10.MAY.2015 09:02:00

WCDMA FDD V, 846.60 MHz, 8 GHz to 9 GHz, Emission Limitations for Cellular Equipment Plot



Date: 10.MAY.2015 09:32:28

FCC 47 CFR Part 22, Limit Clause 22.917 (a)

$$43 + 10 \log(P) \text{ or } -13 \text{ dBm}$$



Product Service

2.5 26 dB BANDWIDTH**2.5.1 Specification Reference**

FCC 47 CFR Part 22, Clause 22.917 (b)
FCC 47 CFR Part 2, Clause 2.1049 (h)

2.5.2 Equipment Under Test and Modification State

SHV32 S/N: IMEI 004401115406387 - Modification State 0

2.5.3 Date of Test

14 April 2015

2.5.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.5.5 Test Procedure

This test was performed in accordance with KDB 971168 D01 v02r02, clause 4.1.

Remarks

The EUT was configured with using a communications test set at maximum output power using 12.2 kbps RMC data connection.

2.5.6 Environmental Conditions

Ambient Temperature	22.9°C
Relative Humidity	43.4%



Product Service

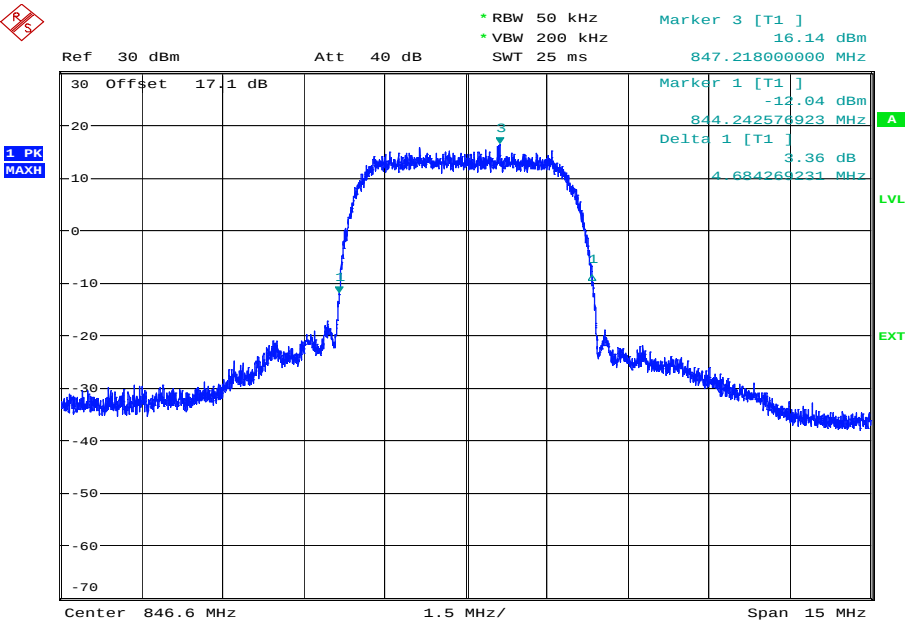
2.5.7 Test Results

4.0 V DC Supply

WCDMA FDD V, QPSK, 26 dB Bandwidth Results

826.40 MHz	835.00 MHz	846.60 MHz
kHz	kHz	kHz
4684.27	4678.08	4721.96

WCDMA FDD V, 826.40 MHz, QPSK, 26 dB Bandwidth Plot

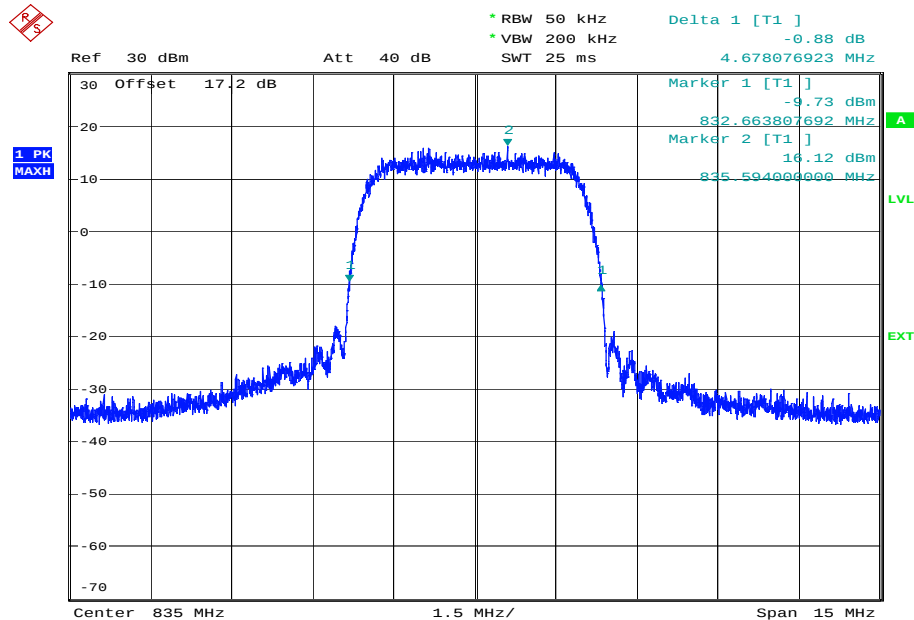


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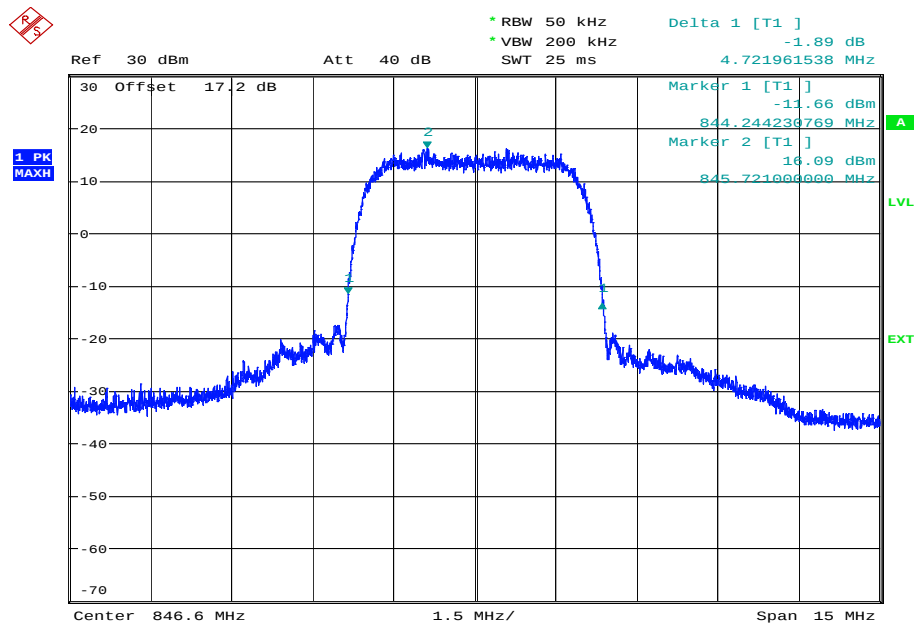
Product Service

WCDMA FDD V, 835.00 MHz, QPSK, 26 dB Bandwidth Plot



Date: 14.APR.2015 17:33:45

WCDMA FDD V, 846.60 MHz, QPSK, 26 dB Bandwidth Plot



Date: 14.APR.2015 17:36:23

FCC 47 CFR Part 22, Limit Clause

None specified.



2.6 MODULATION CHARACTERISTICS

2.6.1 Specification Reference

FCC 47 CFR Part 2, Clause 2.1047 (d)

2.6.2 Equipment Under Test

SHV32

2.6.3 Test Results

WCDMA FDD V, Modulation Characteristics, Customer Description

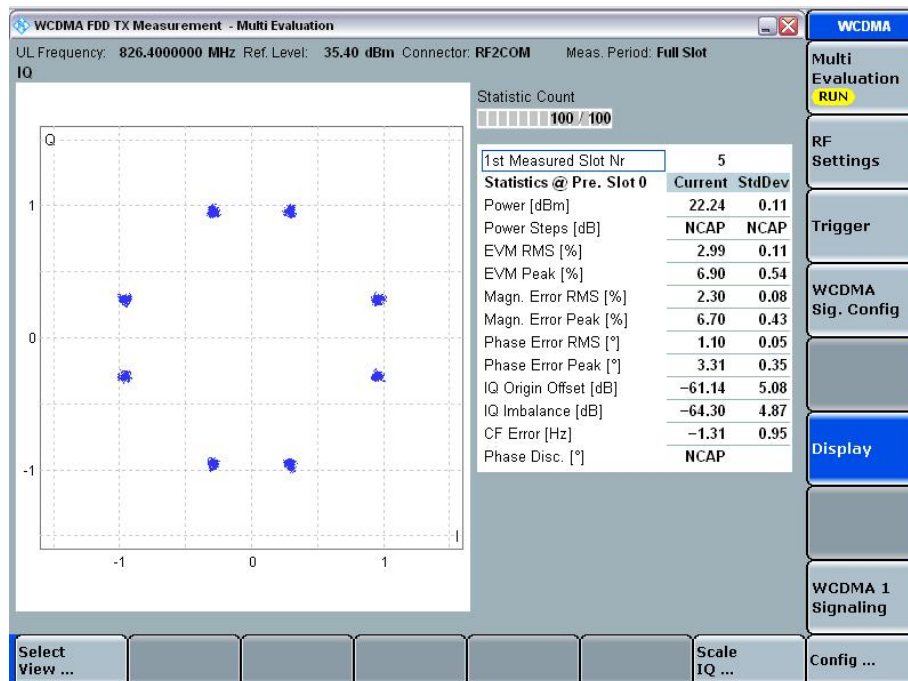
For the period of test the EUT met the requirements of FCC CFR 47 Part 2 for Modulation Characteristics.

The test results are shown below.

4.0 V DC Supply

QPSK

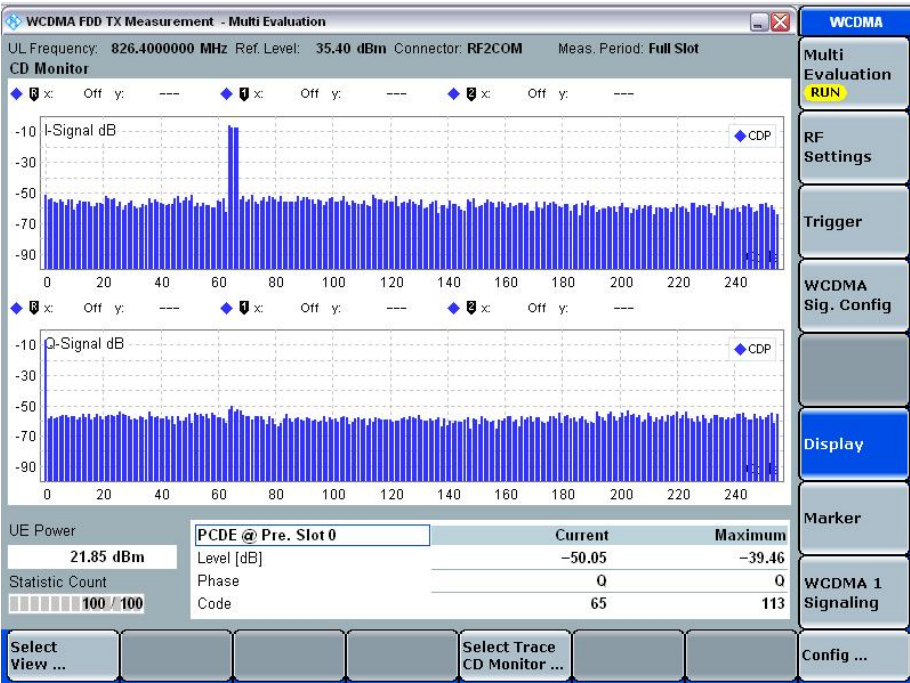
Constellation Diagram



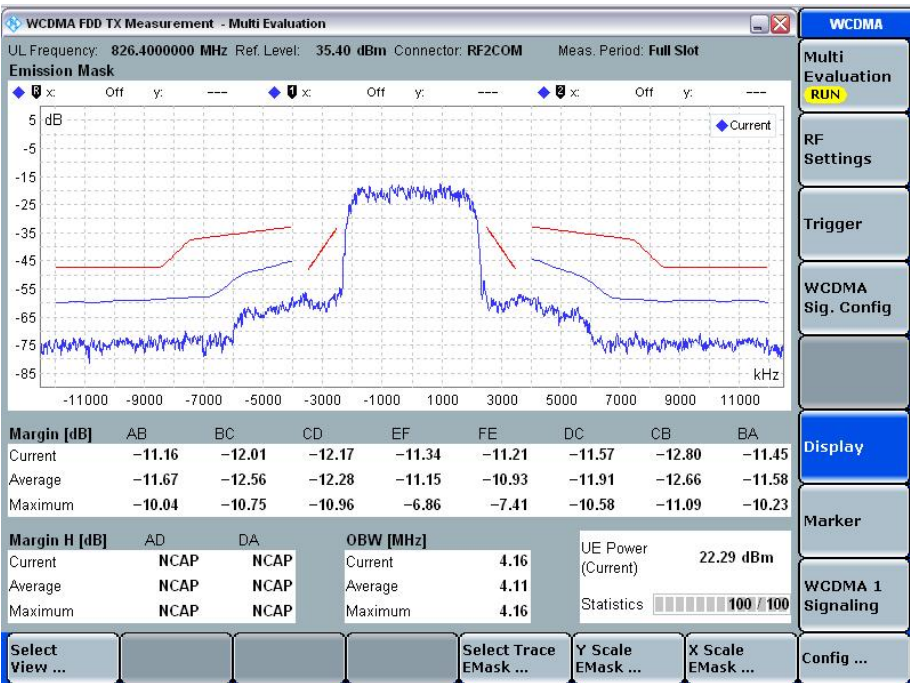


Product Service

I and Q Code Domain



Spectrum Emission Mask



FCC 47 CFR Part 2, Limit Clause 2.1047 (d)

A curve or equivalent data which shows that the equipment will meet the modulation requirements of the rules under which the equipment is to be licensed.



Product Service

SECTION 3

TEST EQUIPMENT USED



3.1 TEST EQUIPMENT USED

List of absolute measuring and other principal items of test equipment.

Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Section 2.1 - Frequency Tolerance					
Climatic Chamber	Votsch	VT4002	161	-	O/P Mon
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Temperature Chamber	Montford	2F3	467	-	O/P Mon
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	28-Jul-2015
Multimeter	Iso-tech	IDM101	2419	12	7-Oct-2015
Digital Thermometer	Digitron	T208	2831	12	31-Jul-2015
Radio Communications Test Set	Rohde & Schwarz	CMU 200	3035	12	6-Nov-2015
Attenuator (30dB/50W)	Aeroflex / Weinschel	47-30-34	3164	12	12-Dec-2015
Thermocouple Thermometer	Fluke	51	3174	12	4-Dec-2015
Hygrometer	Rotronic	I-1000	3220	12	24-Jul-2015
Combiner/Splitter	Weinschel	1506A	3877	12	24-Mar-2016
Frequency Standard	Spectracom	Secure Sync 1200-0408-0601	4393	6	28-Jul-2015
1 metre N-Type Cable	IW Microwave	NPS-1806LC-394-NPS	4505	12	26-Feb-2016
2 metre N-Type Cable	Florida Labs	NMS-235SP-78.8-NMS	4508	12	26-Feb-2016
Section 2.2 - Spurious Emissions at Band Edge					
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Attenuator (10dB)	Weinschel	47-10-34	481	12	1-Apr-2016
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	28-Jul-2015
Spectrum Analyser	Rohde & Schwarz	FSU26	2747	12	20-Jan-2016
Radio Communications Test Set	Rohde & Schwarz	CMU 200	3035	12	6-Nov-2015
Hygrometer	Rotronic	I-1000	3220	12	24-Jul-2015
Attenuator (10dB, 20W)	Lucas Weinschel	1	3225	12	12-Dec-2015
Signal Analyser	Rohde & Schwarz	FSQ 26	3545	12	6-Aug-2015
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	3-Sep-2015
Combiner/Splitter	Weinschel	1506A	3877	12	24-Mar-2016
Tilt Antenna Mast	maturo GmbH	TAM 4.0-P	3916	-	TU
True RMS Multimeter	Fluke	179	4007	12	31-Jul-2015
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	24-Sep-2015
Frequency Standard	Spectracom	Secure Sync 1200-0408-0601	4393	6	28-Jul-2015
1 metre N-Type Cable	IW Microwave	NPS-1806LC-394-NPS	4504	12	26-Feb-2016
1 metre SMA Cable	IW Microwave	3PS-1806LC-394-3PS	4522	12	29-Jan-2016



Instrument	Manufacturer	Type No.	TE No.	Calibration Period (months)	Calibration Due
Section 2.3 – Maximum Conducted Output Power					
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Radio Communications Test Set	Rohde & Schwarz	CMU 200	3035	12	6-Nov-2015
Hygrometer	Rotronic	I-1000	3220	12	24-Jul-2015
Attenuator (10dB, 20W)	Lucas Weinschel	1	3225	12	12-Dec-2015
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	3-Sep-2015
Combiner/Splitter	Weinschel	1506A	3877	12	24-Mar-2016
DC - 12.4 GHz 10 dB Attenuator	Suhner	6810.17.A	3965	12	22-Oct-2015
P-Series Power Meter	Agilent Technologies	N1911A	3980	12	22-Sep-2015
50 MHz-18 GHz Wideband Power Sensor	Agilent Technologies	N1921A	3982	12	22-Sep-2015
True RMS Multimeter	Fluke	179	4007	12	31-Jul-2015
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	24-Sep-2015
1 metre N-Type Cable	IW Microwave	NPS-1806LC-394-NPS	4504	12	26-Feb-2016
1 metre SMA Cable	IW Microwave	3PS-1806LC-394-3PS	4522	12	29-Jan-2016
Section 2.4 - Emission Limitations for Cellular Equipment					
Antenna (Double Ridge Guide, 1GHz-18GHz)	EMCO	3115	234	12	29-Apr-2016
Dual Power Supply Unit	Thurlby	PL320	288	-	TU
Pre-Amplifier	Phase One	PS04-0086	1533	12	23-Dec-2015
Screened Room (5)	Rainford	Rainford	1545	24	26-Jun-2015
Turntable Controller	Inn-Co GmbH	CO 1000	1606	-	TU
Sweep Generator	Hewlett Packard	8350B	1904	-	TU
Hygrometer	Rotronic	A1	2138	12	3-Dec-2015
Multimeter	Iso-tech	IDM101	2418	12	26-Sep-2015
Antenna (Bilog)	Chase	CBL6143	2904	24	10-Jun-2015
Radio Communications Test Set	Rohde & Schwarz	CMU 200	3035	12	6-Nov-2015
Dual Power Supply (0-30V, 0-2A)	Farnell	LT30-2	3333	-	TU
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	27-Oct-2015
9m RF Cable (N Type)	Rhophase	NPS-2303-9000-NPS	3791	-	TU
Tilt Antenna Mast	maturo GmbH	TAM 4.0-P	3916	-	TU
Mast Controller	maturo GmbH	NCD	3917	-	TU
Suspended Substrate Highpass Filter	Advance Power Components	11SH10-3000/X18000-O/O	4412	12	24-Mar-2016
Section 2.5 - 26 dB Bandwidth					
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Attenuator (10dB)	Weinschel	47-10-34	481	12	1-Apr-2016
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	28-Jul-2015
Multimeter	Iso-tech	IDM101	2419	12	7-Oct-2015
Spectrum Analyser	Rohde & Schwarz	FSU26	2747	12	20-Jan-2016
Hygrometer	Rotronic	I-1000	3220	12	24-Jul-2015
Attenuator (10dB, 20W)	Lucas Weinschel	1	3225	12	12-Dec-2015
Signal Analyser	Rohde & Schwarz	FSQ 26	3545	12	6-Aug-2015
Network Analyser	Rohde & Schwarz	ZVA 40	3548	12	3-Sep-2015
Combiner/Splitter	Weinschel	1506A	3877	12	24-Mar-2016
True RMS Multimeter	Fluke	179	4007	12	31-Jul-2015
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	4144	12	7-Nov-2015
Calibration Unit	Rohde & Schwarz	ZV-Z54	4368	12	24-Sep-2015
Frequency Standard	Spectracom	Secure Sync 1200-0408-0601	4393	6	28-Jul-2015
1 metre N-Type Cable	IW Microwave	NPS-1806LC-394-NPS	4504	12	26-Feb-2016
1 metre SMA Cable	IW Microwave	3PS-1806LC-394-3PS	4522	12	29-Jan-2016

TU – Traceability Unscheduled, O/P MON – Output Monitored with Calibrated Equipment



3.2 MEASUREMENT UNCERTAINTY

For a 95% confidence level, the measurement uncertainties for defined systems are:-

Test Discipline	MU
Modulation Characteristics	-
Frequency Tolerance	± 46.70 Hz
Maximum Conducted Output Power	± 0.70 dB
Emission Limitations for Cellular Equipment	30 MHz to 1 GHz: ± 5.1 dB 1 GHz to 40 GHz: ± 6.3 dB
Spurious Emissions at Band Edge	30 MHz to 1 GHz: ± 5.1 dB 1 GHz to 40 GHz: ± 6.3 dB
26 dB Bandwidth	± 16.74 kHz



Product Service

SECTION 4

ACCREDITATION, DISCLAIMERS AND COPYRIGHT



4.1 ACCREDITATION, DISCLAIMERS AND COPYRIGHT



This report relates only to the actual item/items tested.

Our UKAS Accreditation does not cover opinions and interpretations and any expressed are outside the scope of our UKAS Accreditation.

Results of tests not covered by our UKAS Accreditation Schedule are marked NUA
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