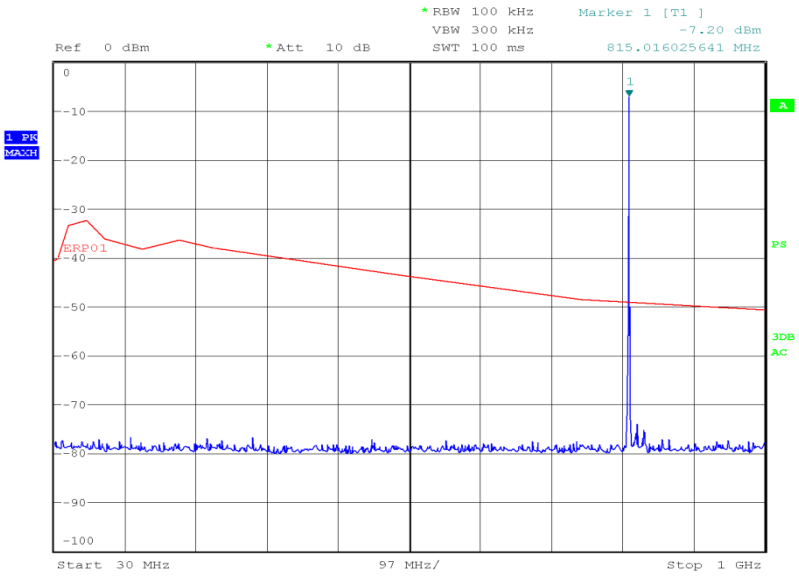
Product Service

2.5.7 Test Results

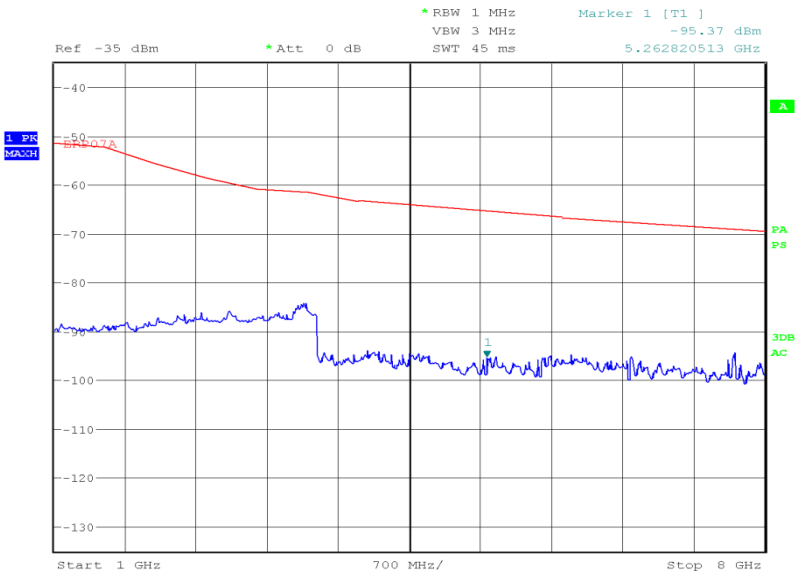
4.0 V DC

LTE FDD 26, 814.7 MHz, 1 Resource Block – Low, 1.4 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



Date: 9.MAY.2015 03:52:02

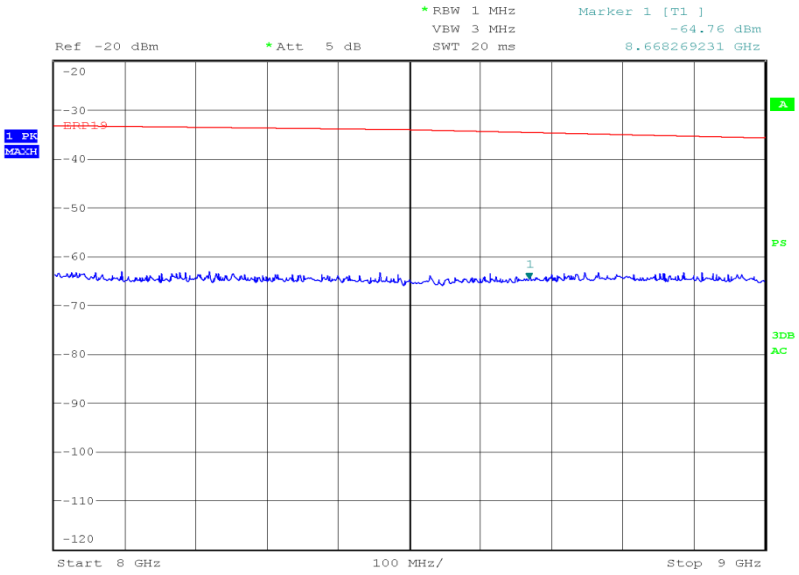
LTE FDD 26, 814.7 MHz, 1 Resource Block – Low, 1.4 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



Date: 8.MAY.2015 03:27:52

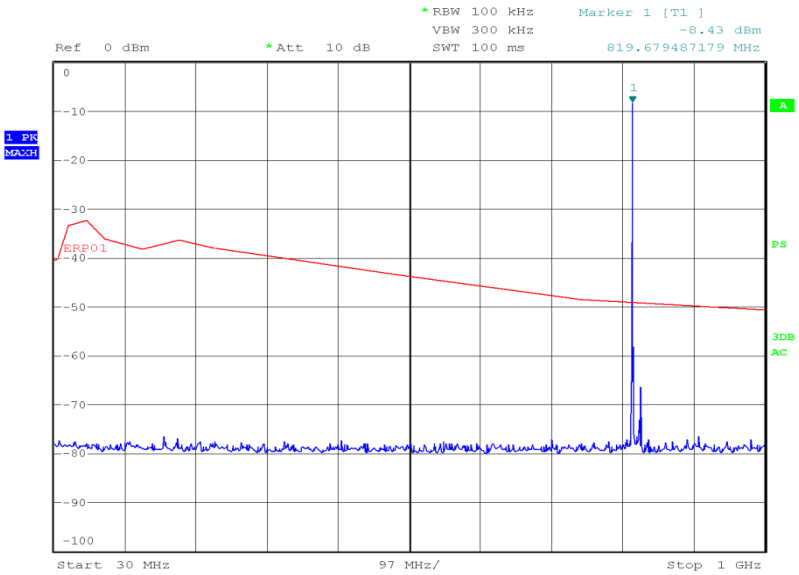
Product Service

LTE FDD 26, 814.7 MHz, 1 Resource Block – Low, 1.4 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



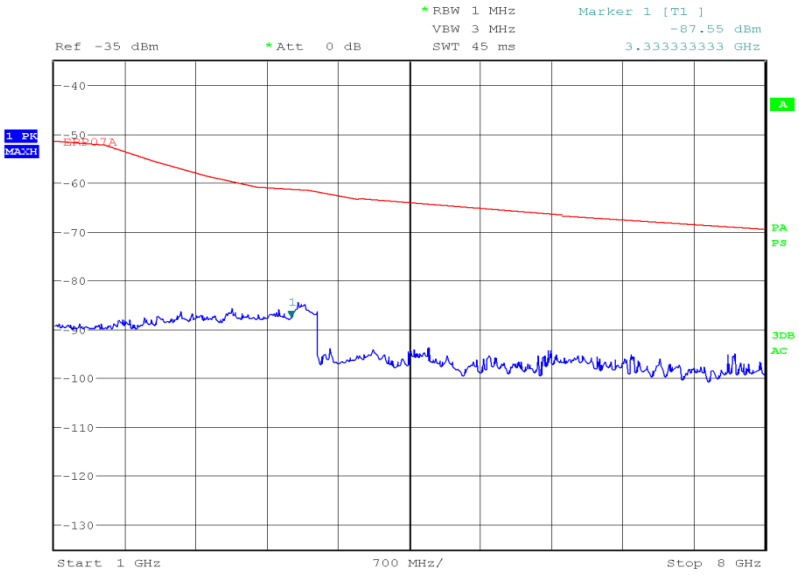
Date: 10.MAY.2015 23:23:49

LTE FDD 26, 819.0 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



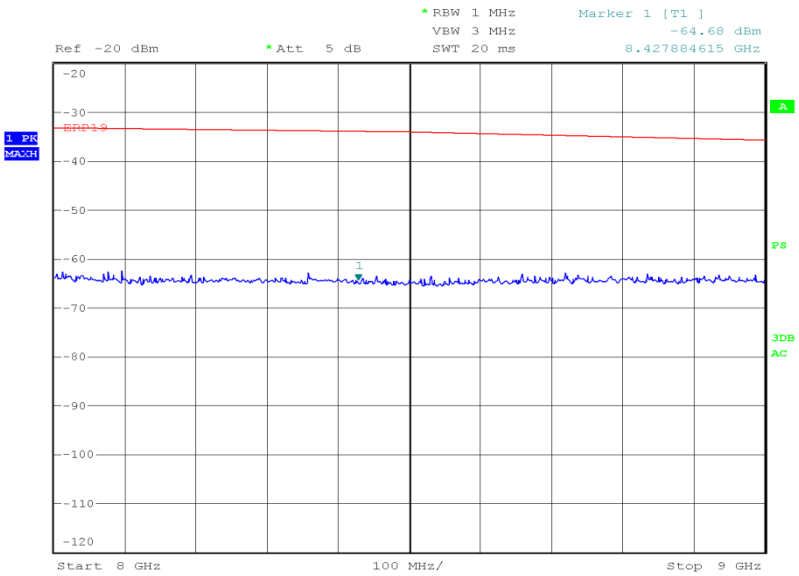
Date: 9.MAY.2015 03:59:12

LTE FDD 26, 819.0 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



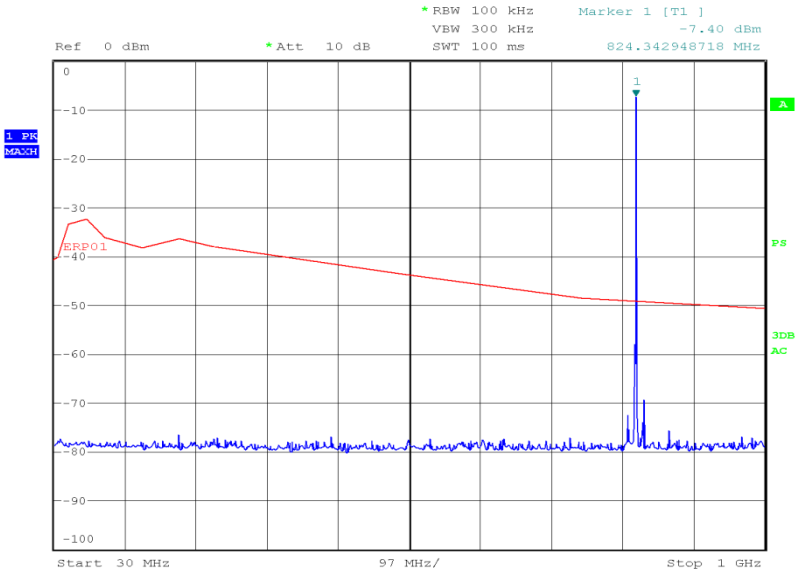
Date: 8.MAY.2015 03:13:34

LTE FDD 26, 819.0 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results

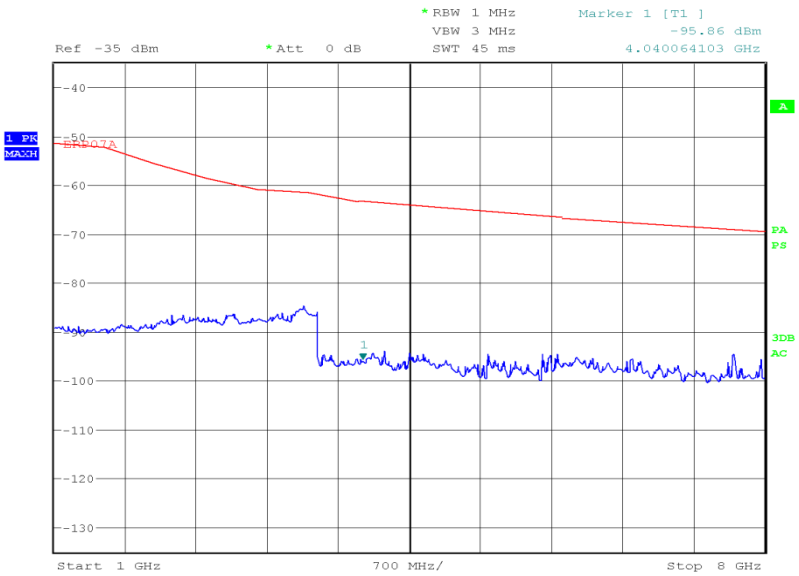


Date: 10.MAY.2015 23:20:33

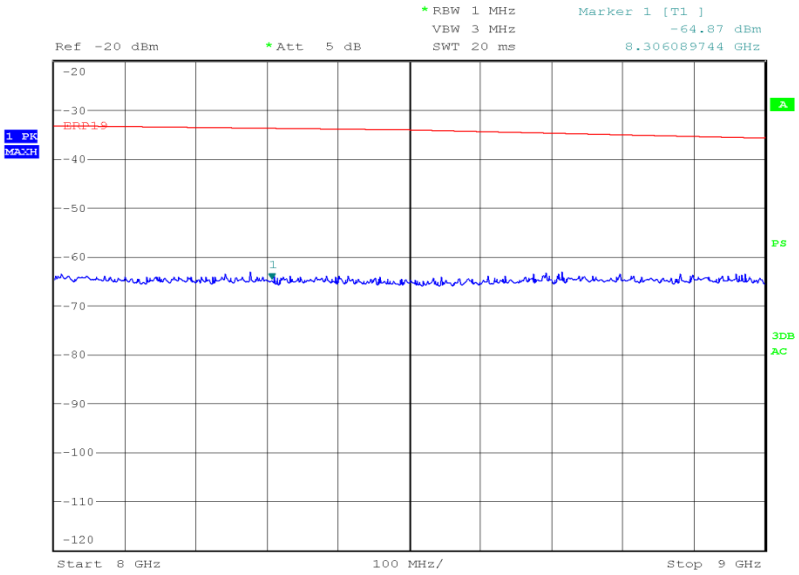
LTE FDD 26, 823.3 MHz, 1 Resource Block – High, 1.4 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



LTE FDD 26, 823.3 MHz, 1 Resource Block – High, 1.4 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results

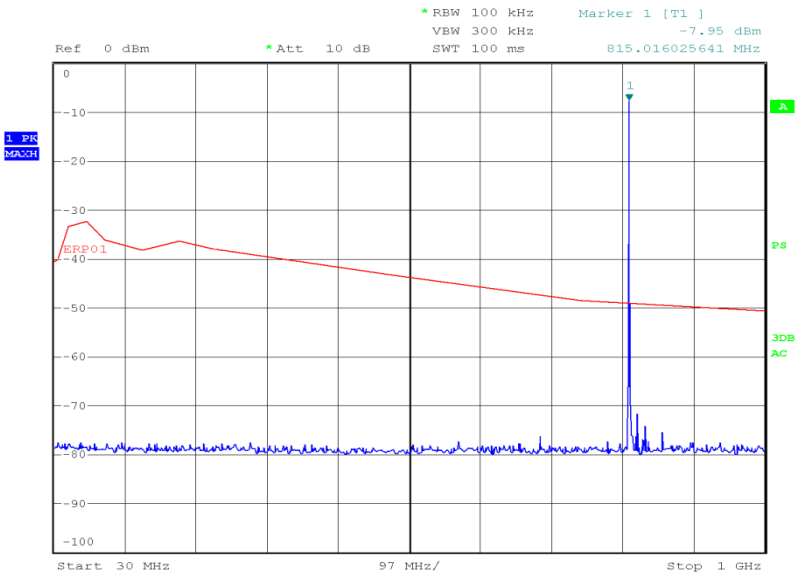


LTE FDD 26, 823.3 MHz, 1 Resource Block – High, 1.4 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



Date: 10.MAY.2015 23:26:21

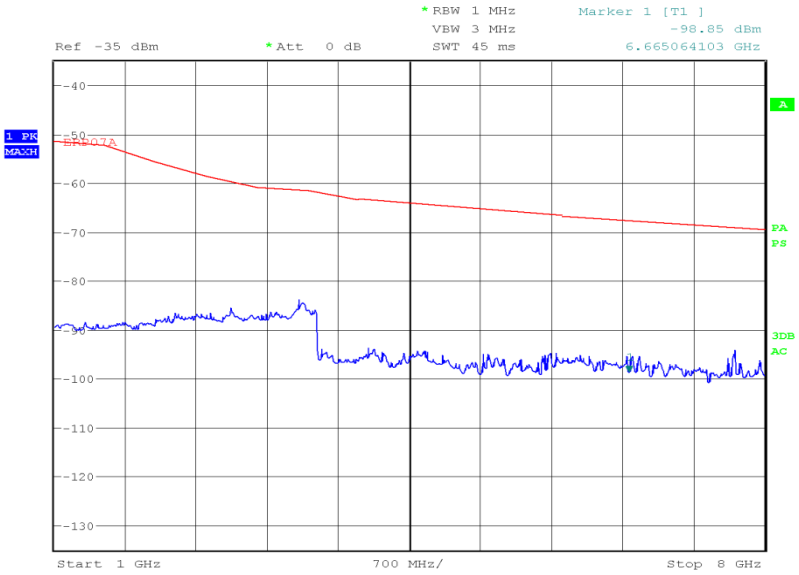
LTE FDD 26, 814.7 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



Date: 9.MAY.2015 03:50:49

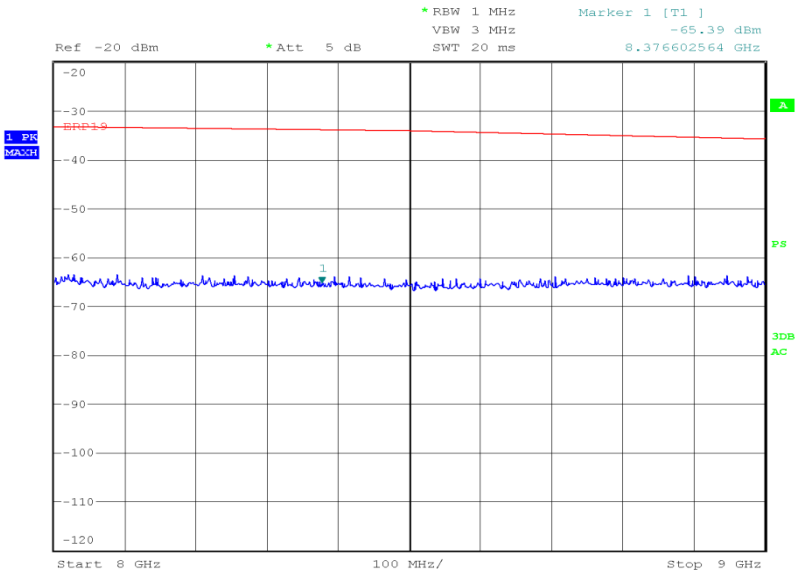
Product Service

LTE FDD 26, 814.7 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, 16-QAM, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



Date: 8.MAY.2015 03:22:52

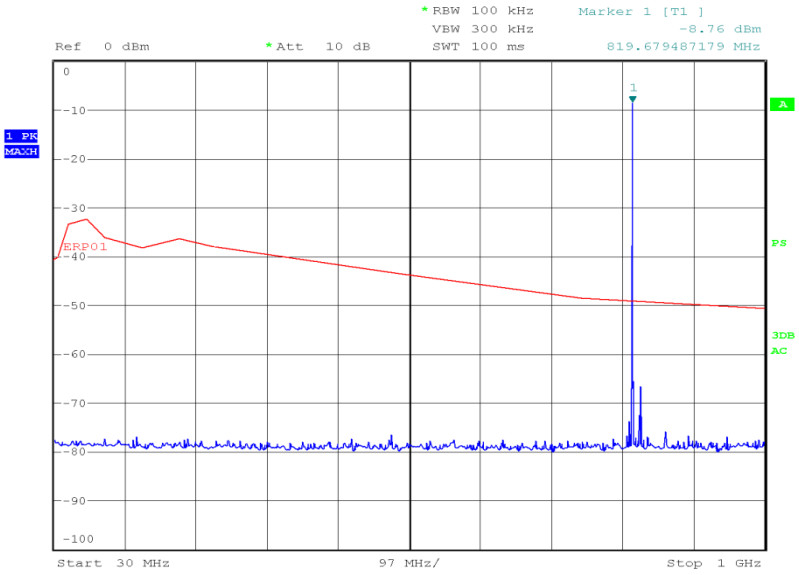
LTE FDD 26, 814.7 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



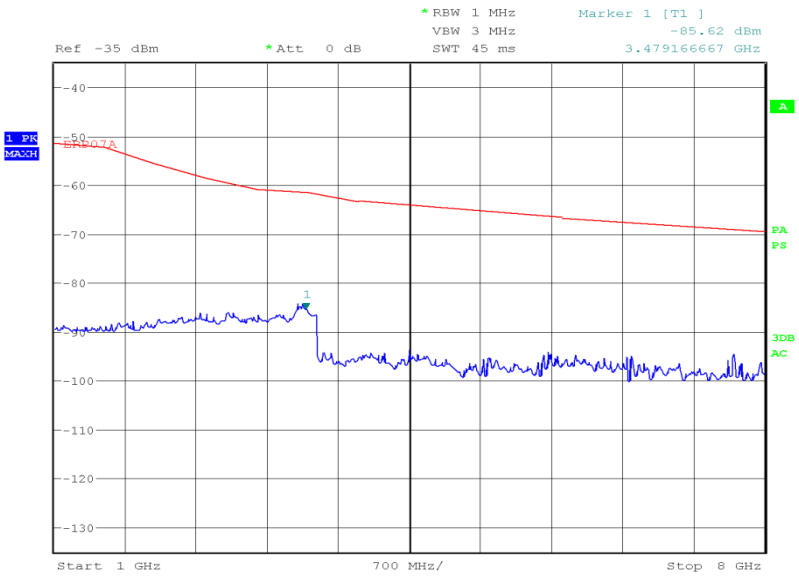
Date: 10.MAY.2015 23:13:17

Product Service

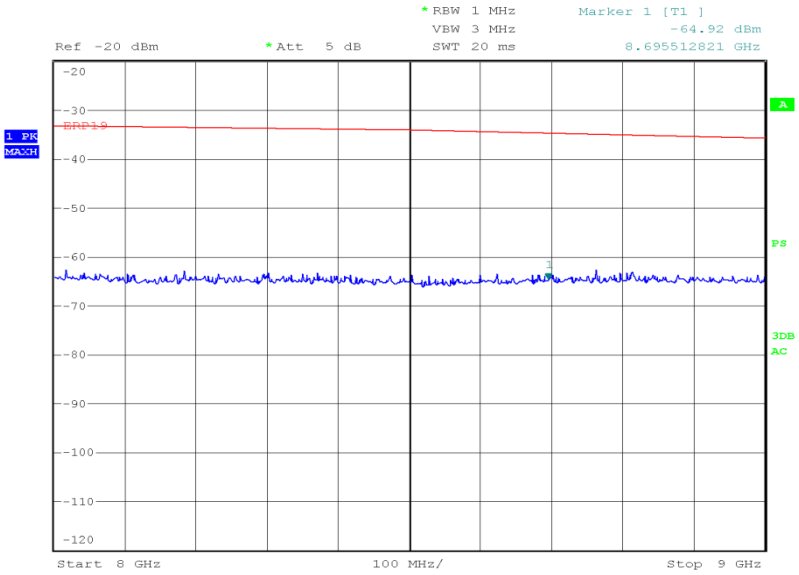
LTE FDD 26, 819.0 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



LTE FDD 26, 819.0 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, 16-QAM, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results

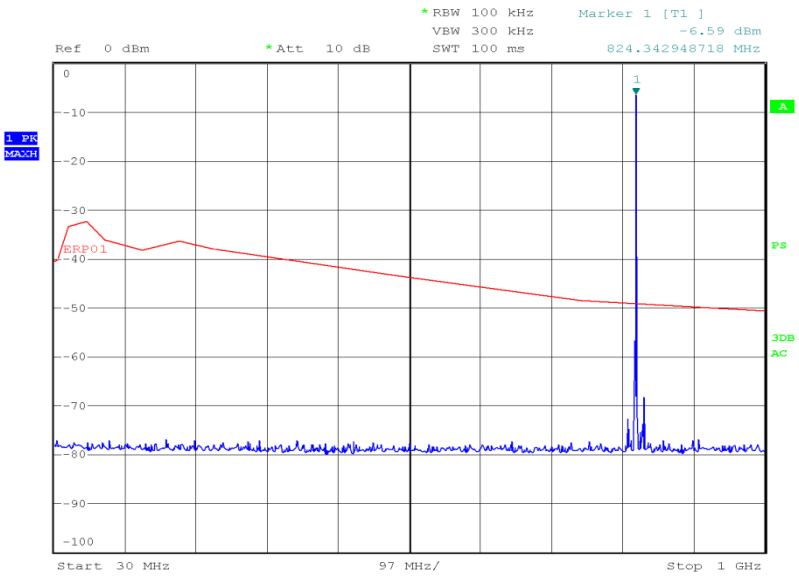


LTE FDD 26, 819.0 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



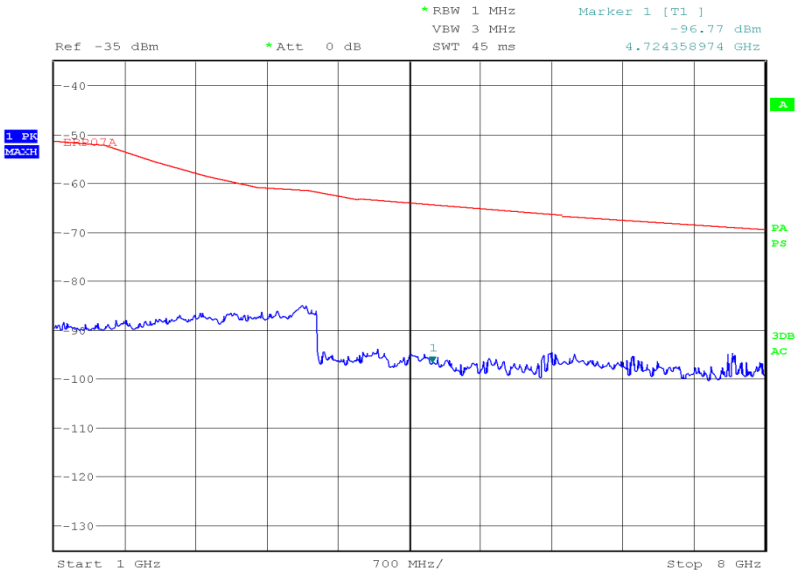
Date: 10.MAY.2015 23:15:31

LTE FDD 26, 823.3 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



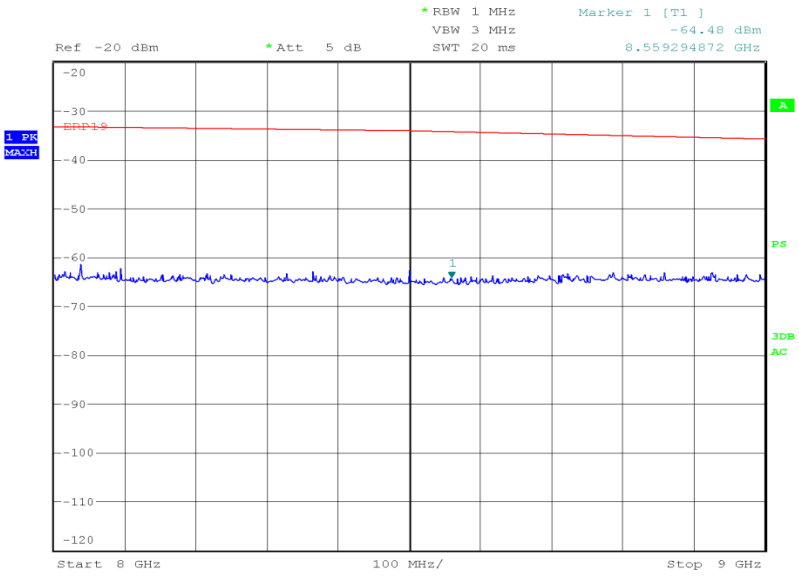
Date: 9.MAY.2015 03:55:55

LTE FDD 26, 828.3 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, 16-QAM, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



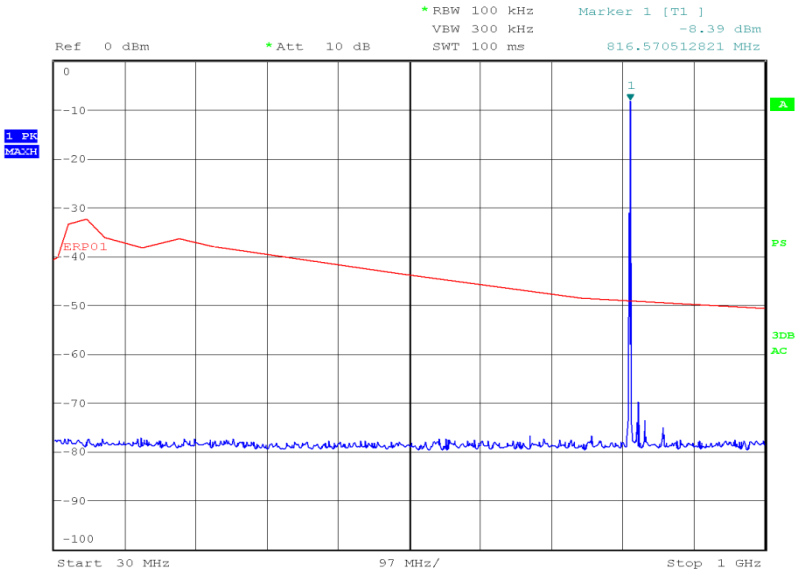
Date: 8.MAY.2015 03:34:51

LTE FDD 26, 828.3 MHz, 1 Resource Block – Mid, 1.4 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



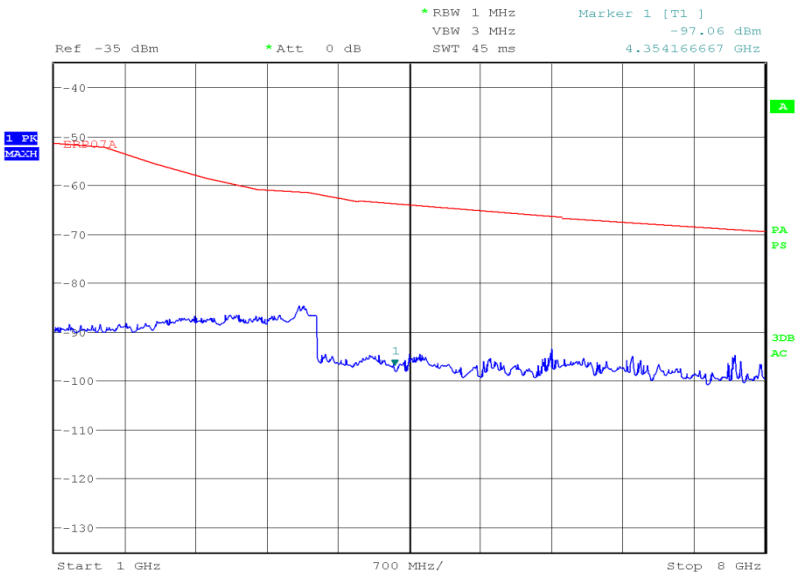
Date: 10.MAY.2015 23:30:57

LTE FDD 26, 815.5 MHz, 1 Resource Block – Mid, 3.0 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



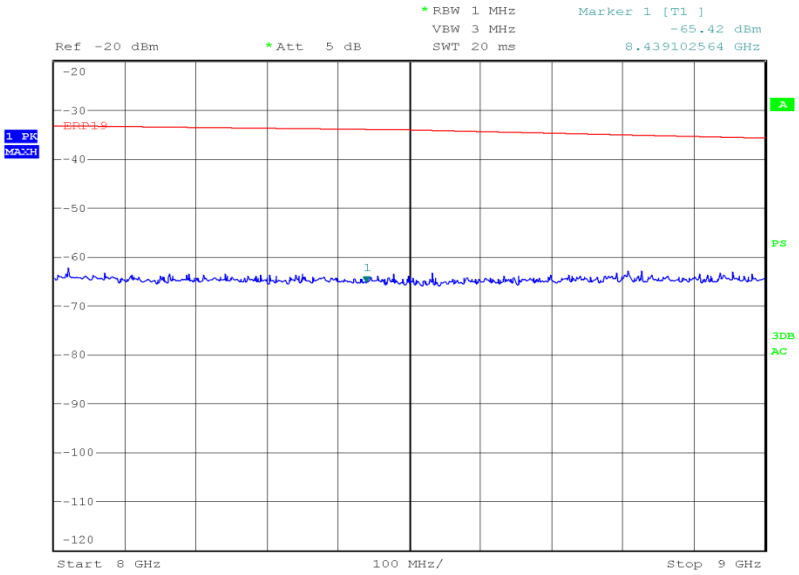
Date: 9.MAY.2015 04:15:30

LTE FDD 26, 815.5 MHz, 1 Resource Block – Mid, 3.0 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



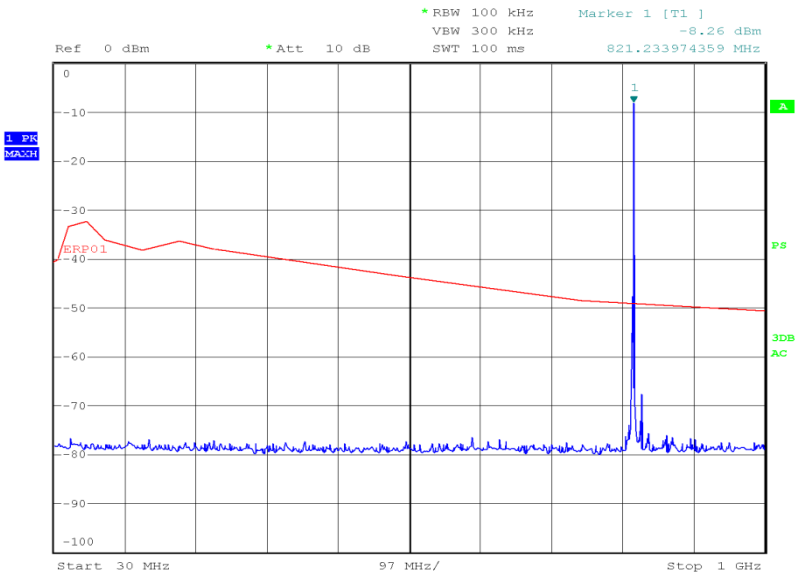
Date: 8.MAY.2015 03:52:07

LTE FDD 26, 815.5 MHz, 1 Resource Block – Mid, 3.0 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



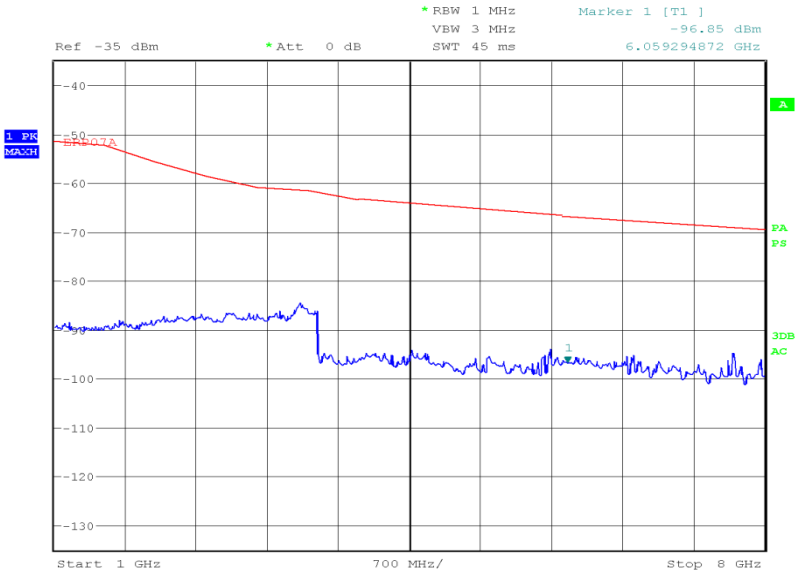
Date: 10.MAY.2015 23:56:37

LTE FDD 26, 819.0 MHz, 1 Resource Block – High, 3.0 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results

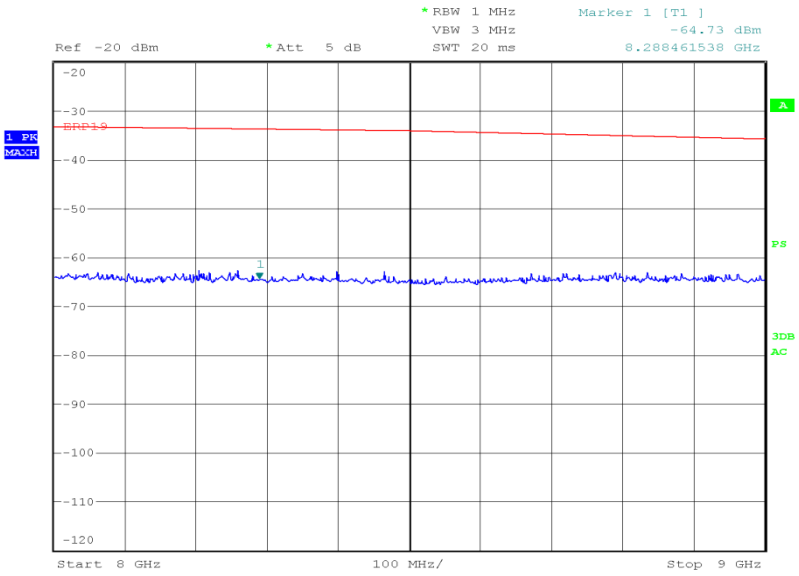


Date: 9.MAY.2015 04:01:57

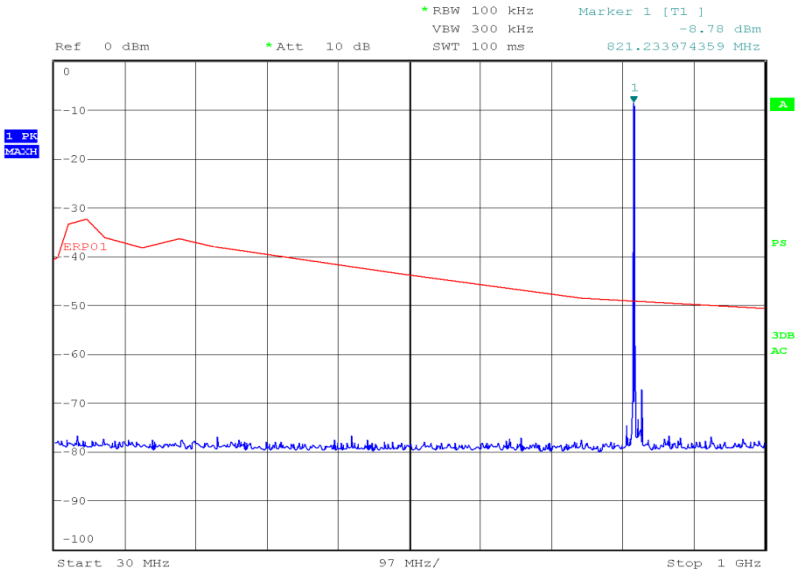
LTE FDD 26, 819.0 MHz, 1 Resource Block – High, 3.0 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



LTE FDD 26, 819.0 MHz, 1 Resource Block – High, 3.0 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results

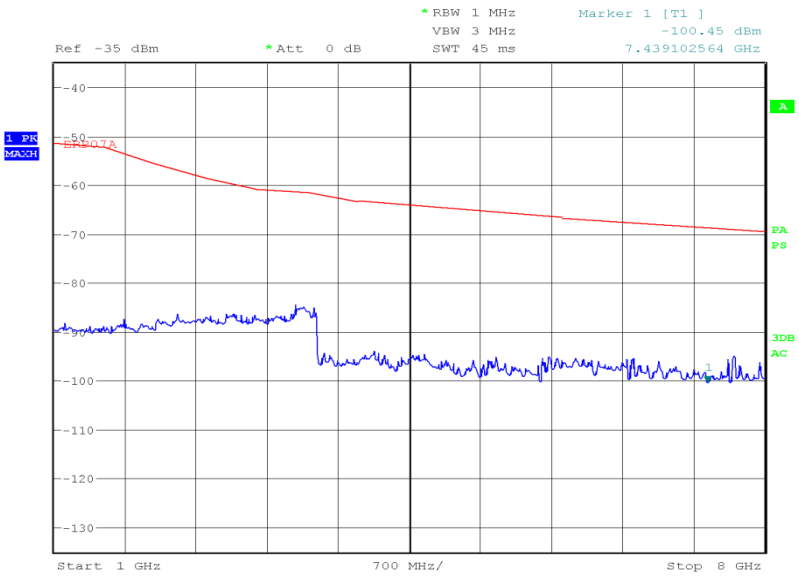


LTE FDD 26, 822.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



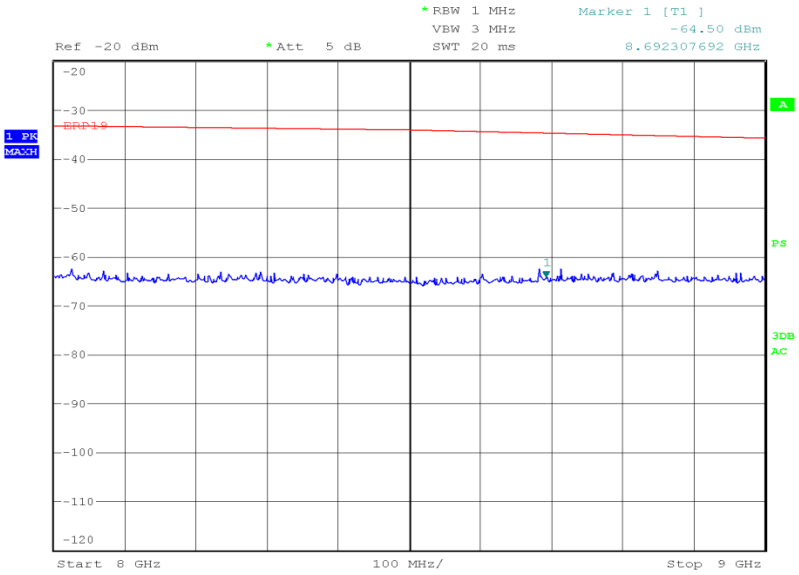
Date: 9.MAY.2015 04:07:30

LTE FDD 26, 822.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results

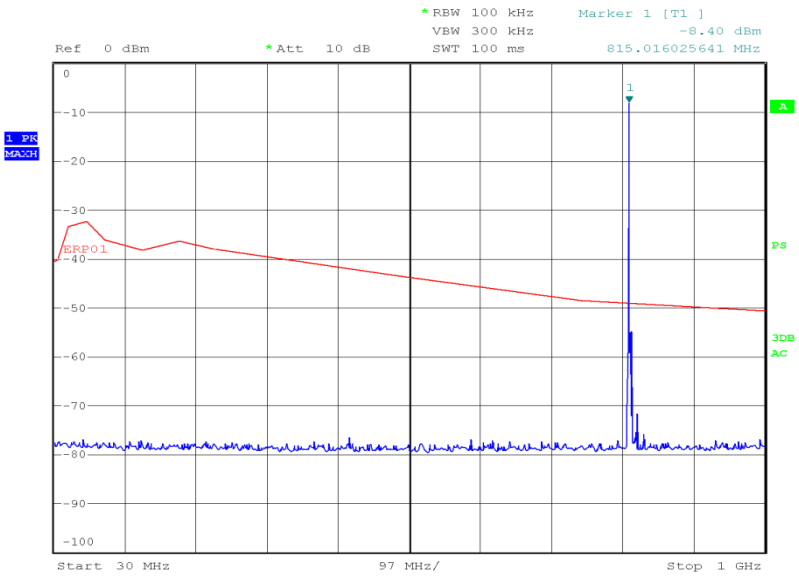


Date: 8.MAY.2015 03:49:08

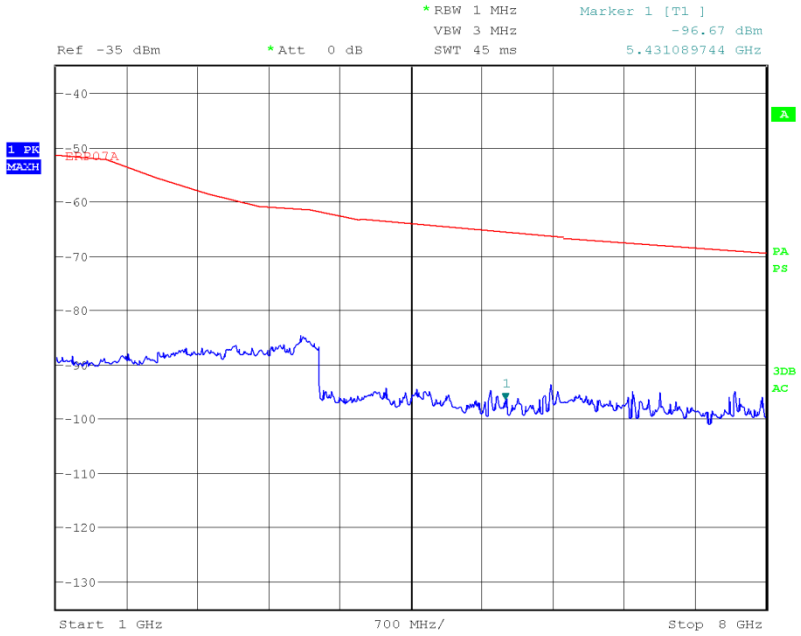
LTE FDD 26, 822.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



LTE FDD 26, 815.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results

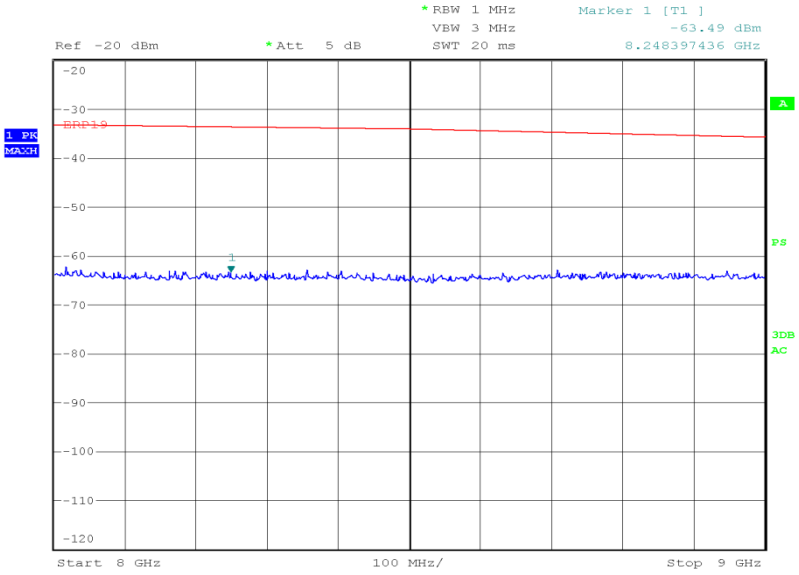


LTE FDD 26, 815.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, 16-QAM, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



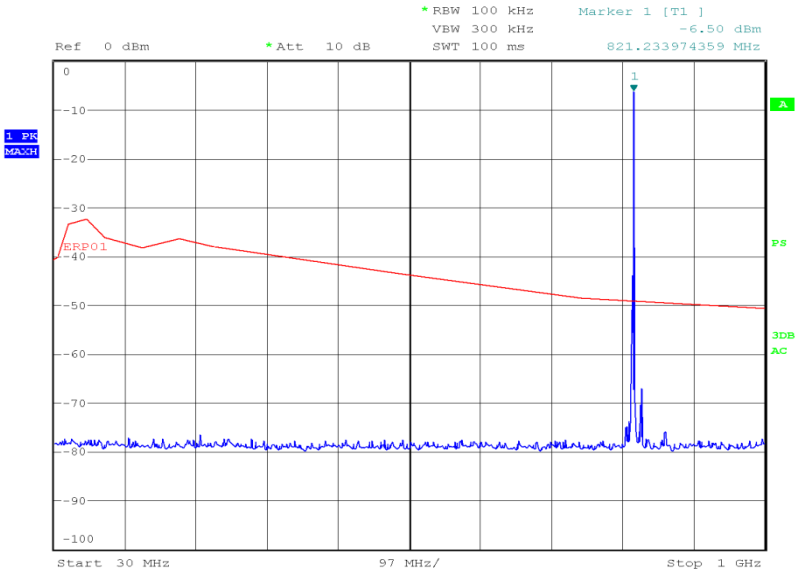
Date: 8.MAY.2015 03:54:45

LTE FDD 26, 815.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



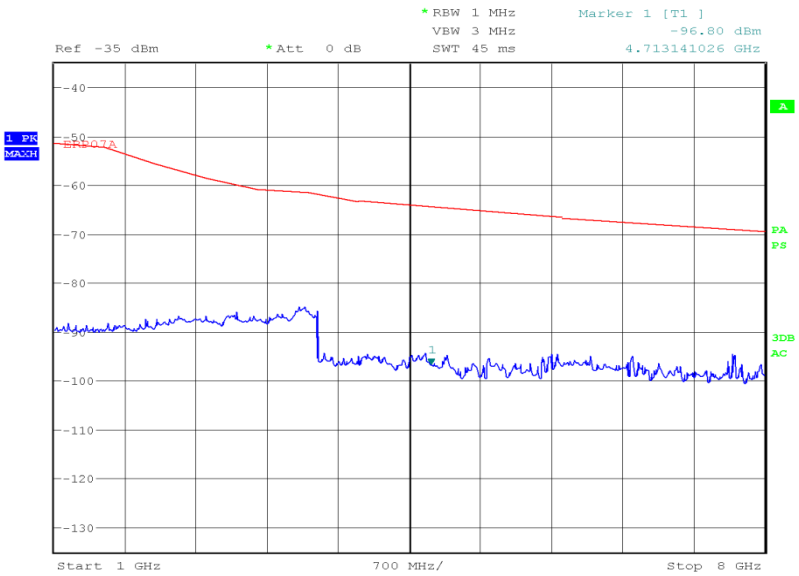
Date: 10.MAY.2015 23:48:47

LTE FDD 26, 819.0 MHz, 1 Resource Block – High, 3.0 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



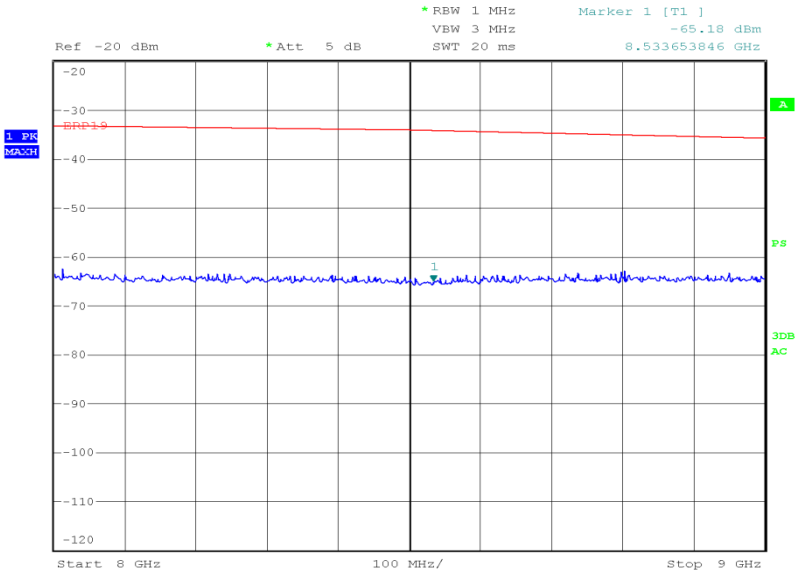
Date: 9.MAY.2015 04:05:27

LTE FDD 26, 819.0 MHz, 1 Resource Block – High, 3.0 MHz Bandwidth, 16-QAM, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



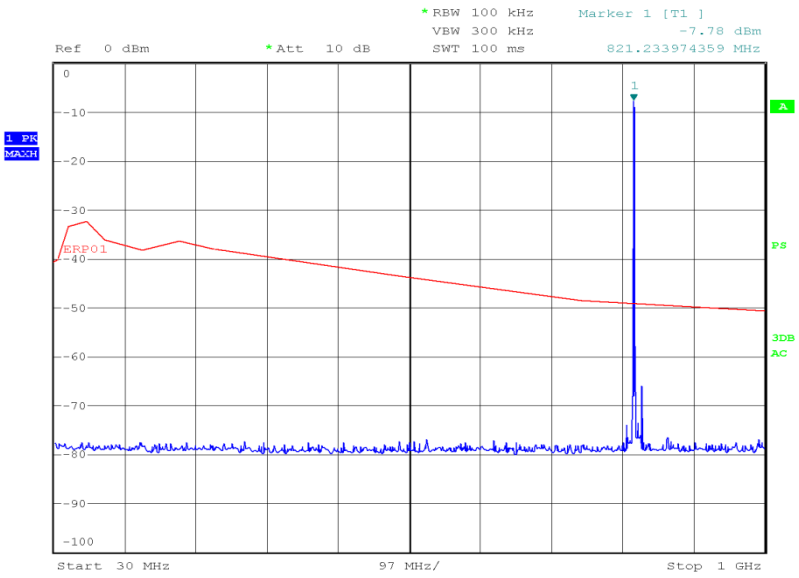
Date: 8.MAY.2015 03:42:34

LTE FDD 26, 819.0 MHz, 1 Resource Block – High, 3.0 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



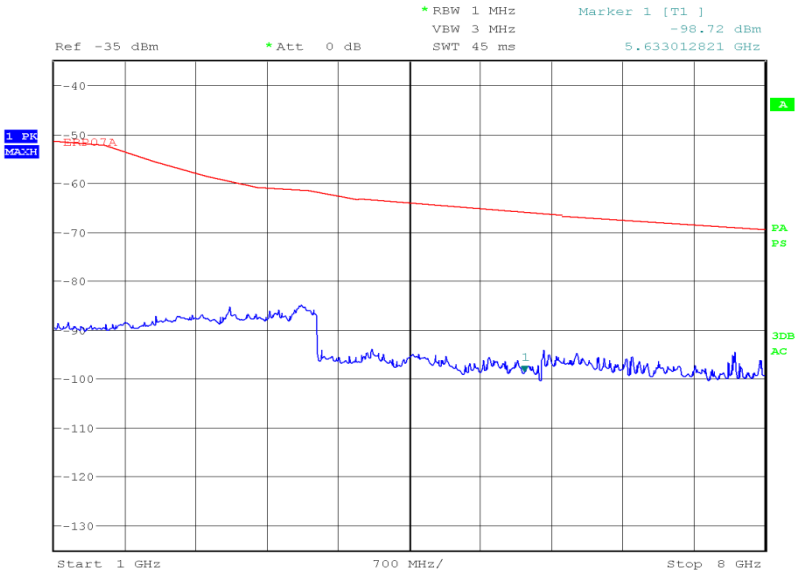
Date: 10.MAY.2015 23:40:34

LTE FDD 26, 822.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



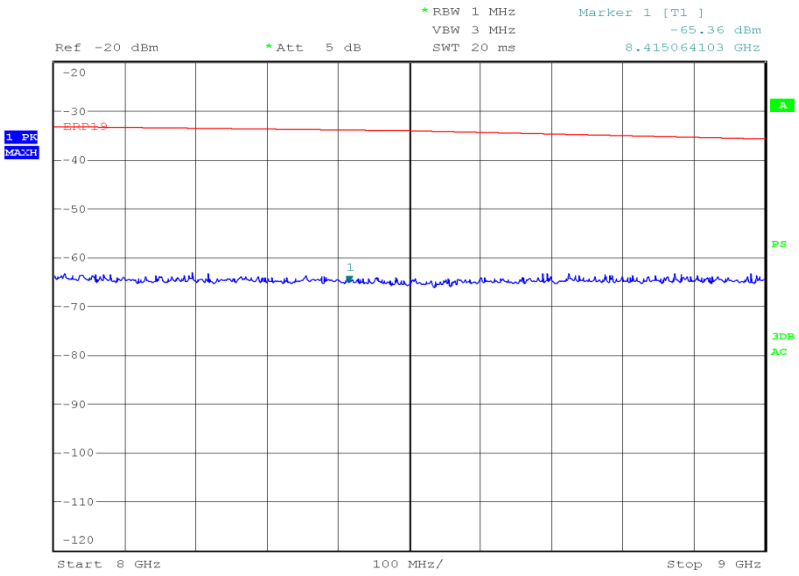
Date: 9.MAY.2015 04:09:15

LTE FDD 26, 822.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, 16-QAM, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



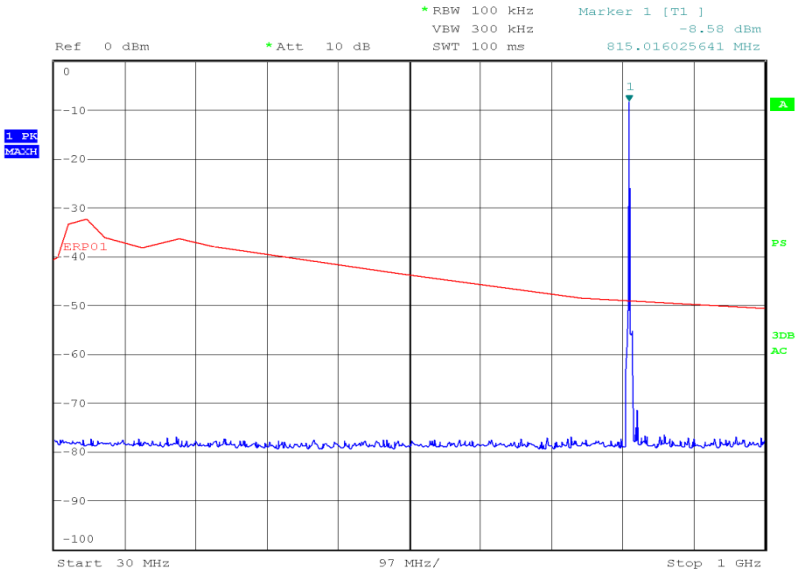
Date: 8.MAY.2015 03:46:00

LTE FDD 26, 822.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results

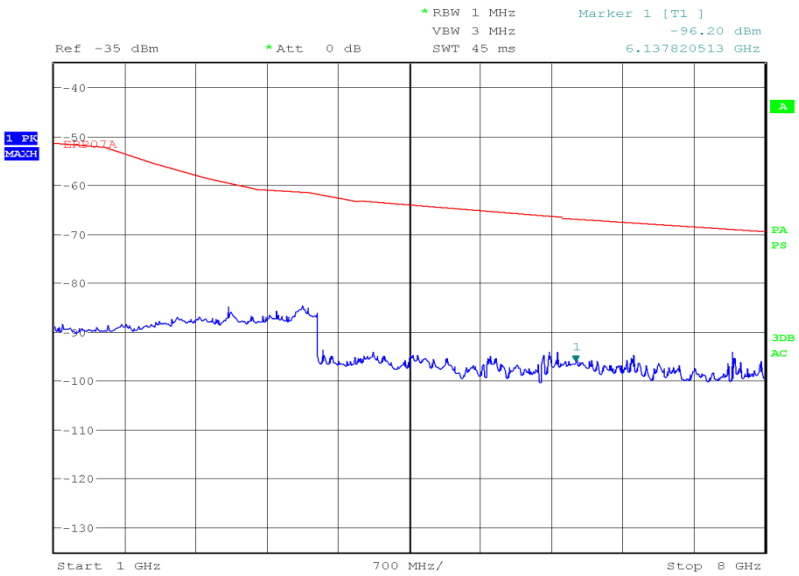


Date: 11.MAY.2015 00:03:38

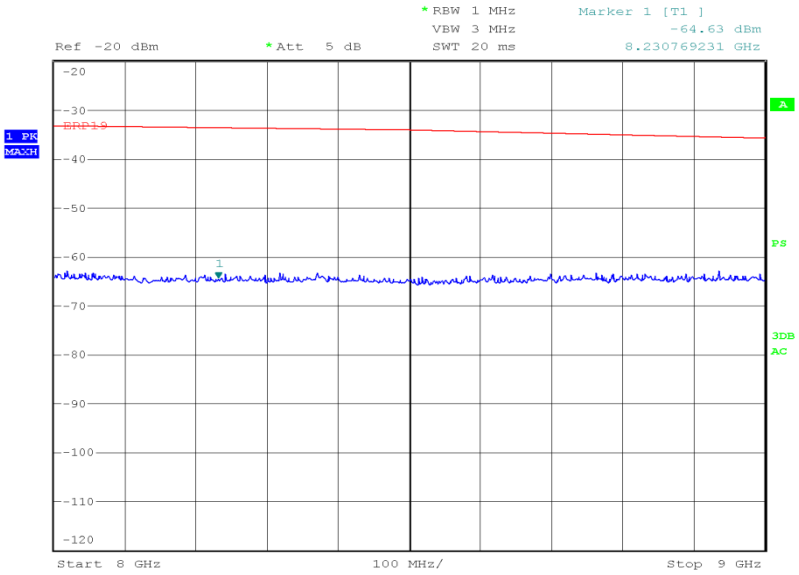
LTE FDD 26, 816.5 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



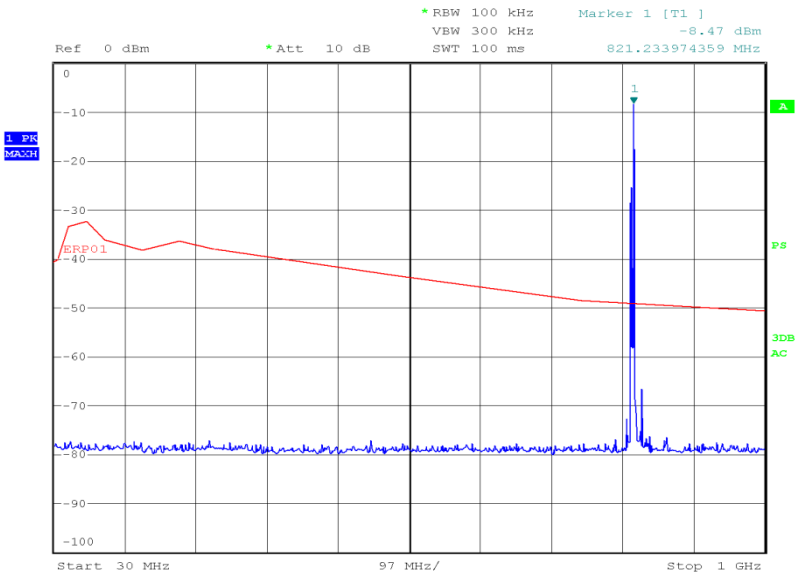
LTE FDD 26, 816.5 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



LTE FDD 26, 816.5 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results

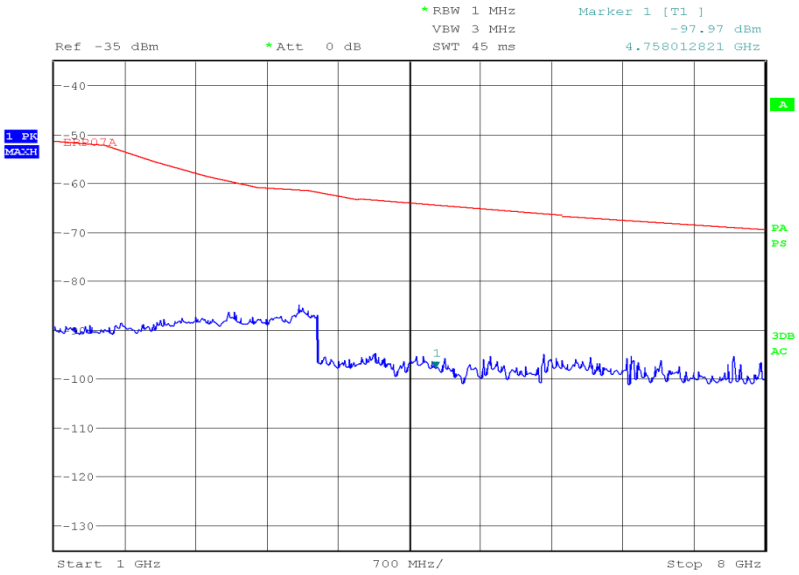


LTE FDD 26, 819.0 MHz, 1 Resource Block – High, 5.0 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



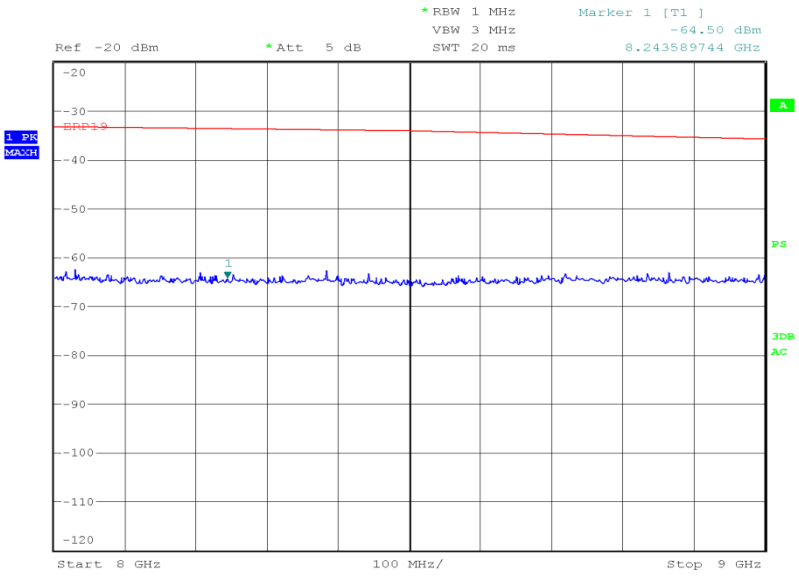
Product Service

LTE FDD 26, 819.0 MHz, 1 Resource Block – High, 5.0 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



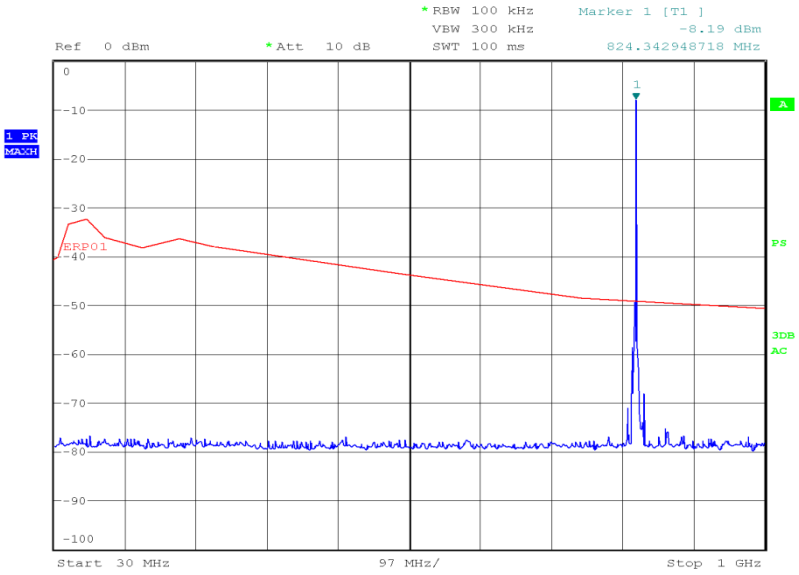
Date: 8.MAY.2015 03:58:47

LTE FDD 26, 819.0 MHz, 1 Resource Block – High, 5.0 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results

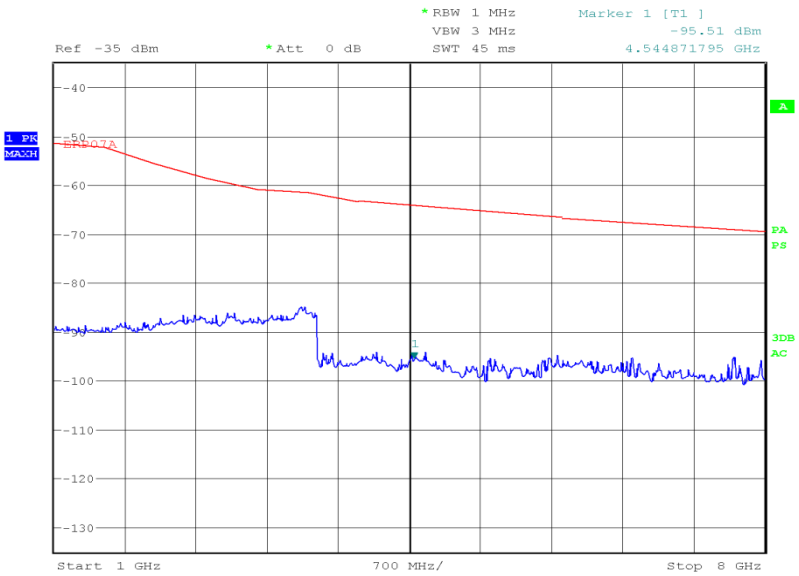


Date: 11.MAY.2015 00:07:53

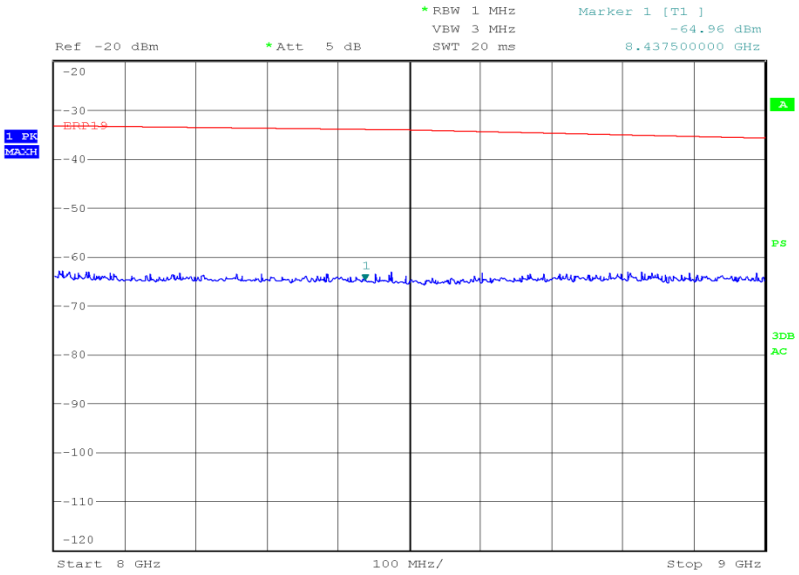
LTE FDD 26, 821.5 MHz, 1 Resource Block – High, 5.0 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



LTE FDD 26, 821.5 MHz, 1 Resource Block – High, 5.0 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results

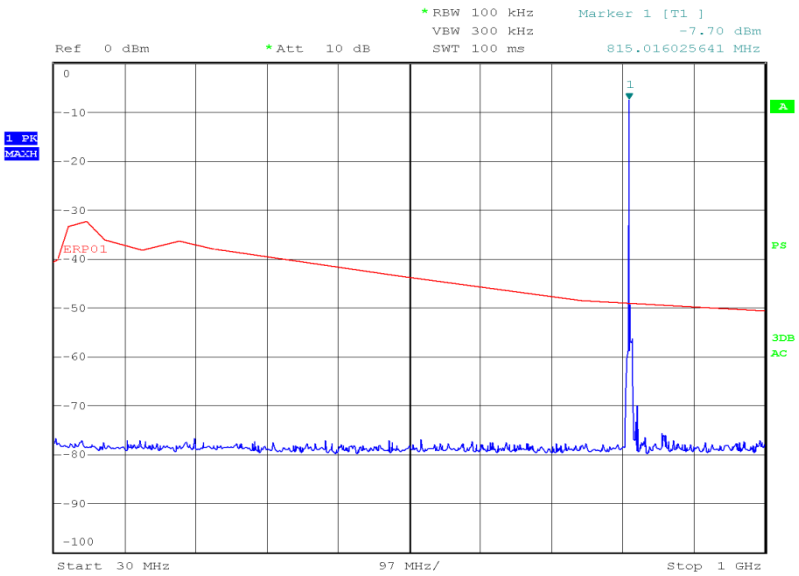


LTE FDD 26, 821.5 MHz, 1 Resource Block – High, 5.0 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



Date: 11.MAY.2015 00:26:58

LTE FDD 26, 816.5 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



Date: 9.MAY.2015 04:32:05

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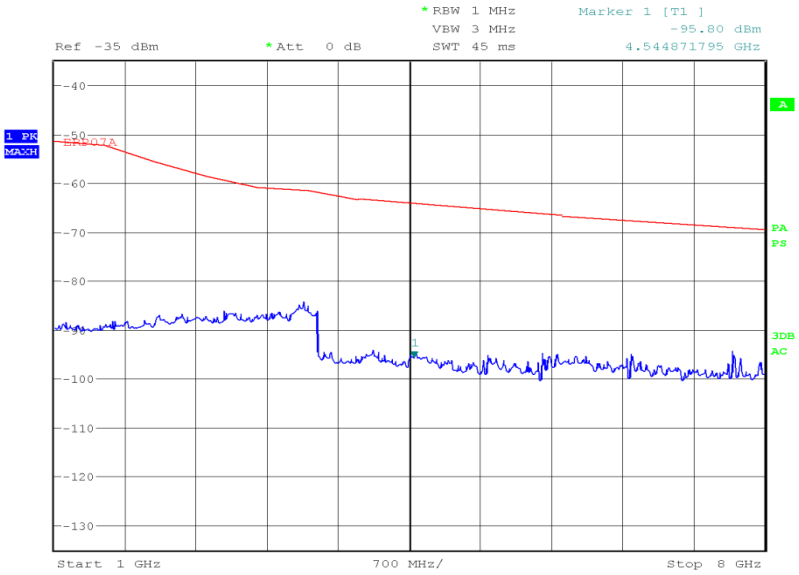
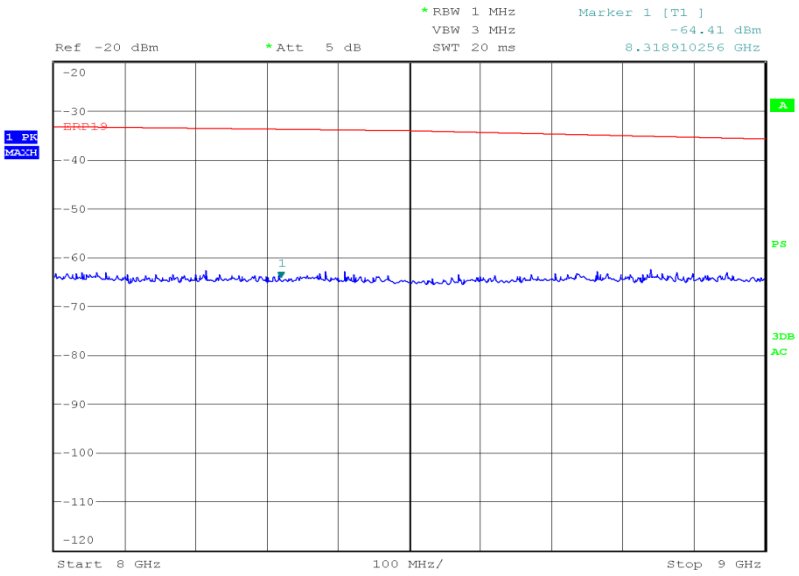


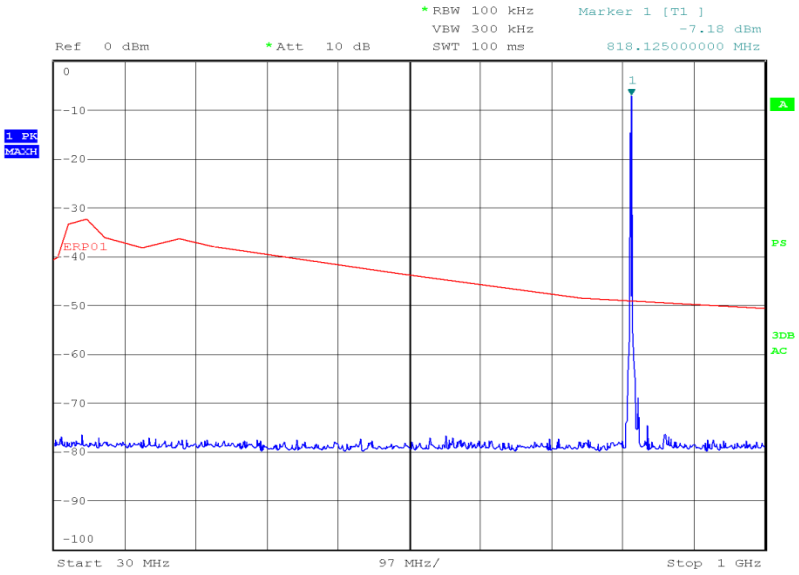
Date: 8.MAY.2015 04:04:40

LTE FDD 26, 816.5 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



Date: 11.MAY.2015 00:18:17

LTE FDD 26, 819.0 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



Date: 9.MAY.2015 04:20:12

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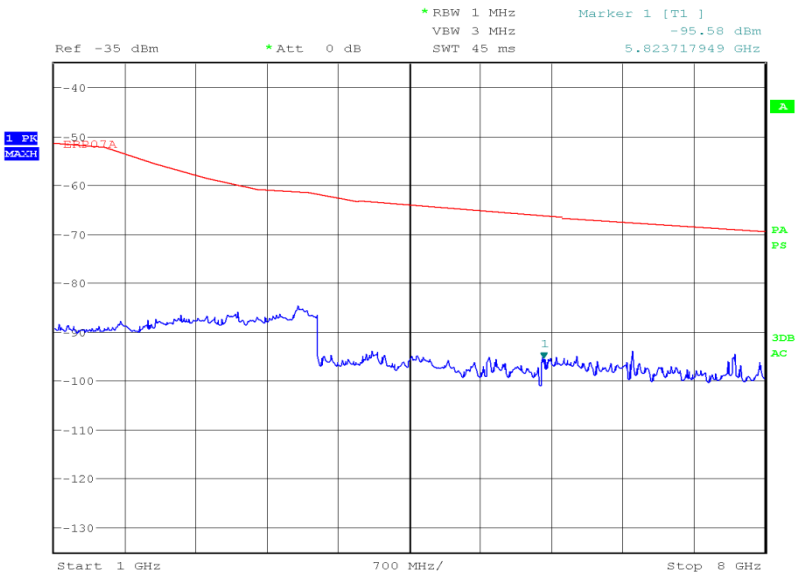
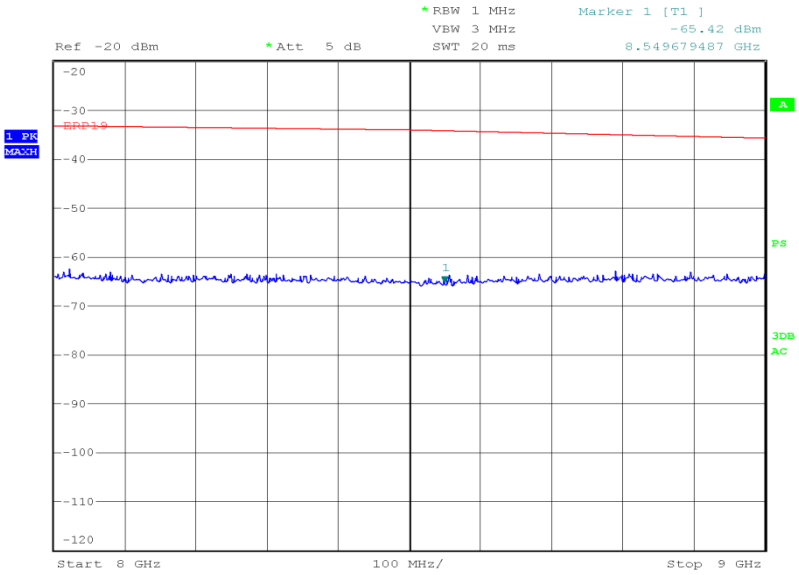


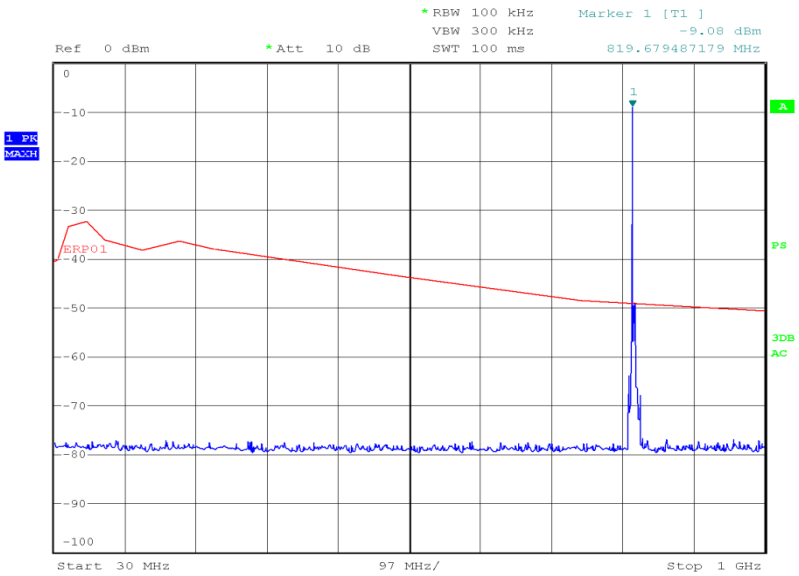
Date: 8.MAY.2015 04:01:37

Product Service

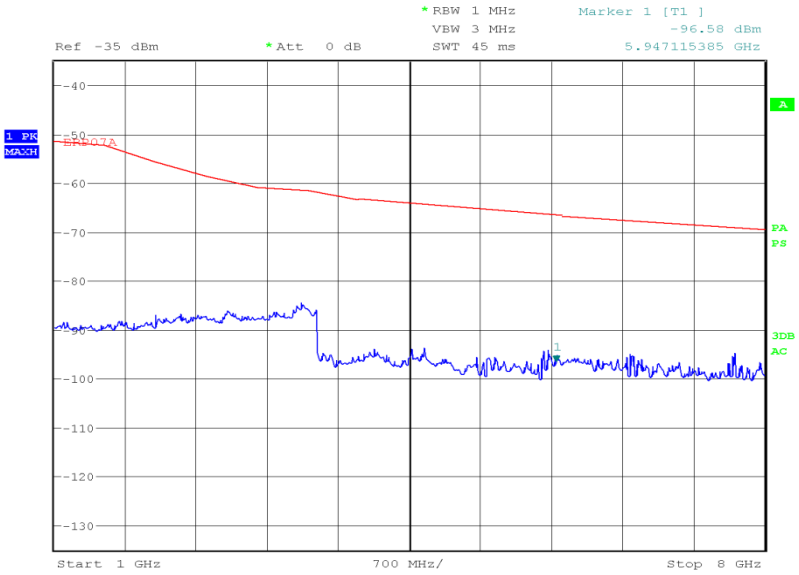
LTE FDD 26, 819.0 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



LTE FDD 26, 821.0 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results

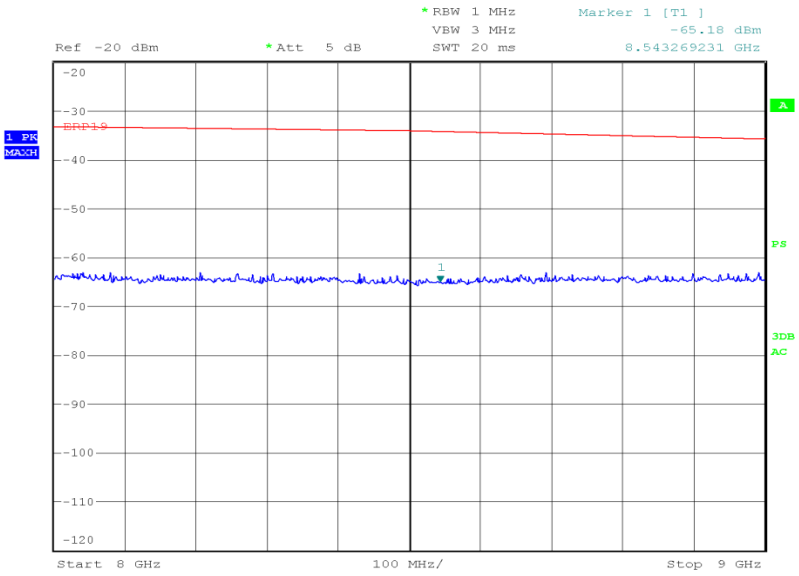


LTE FDD 26, 821.5 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, 16-QAM, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



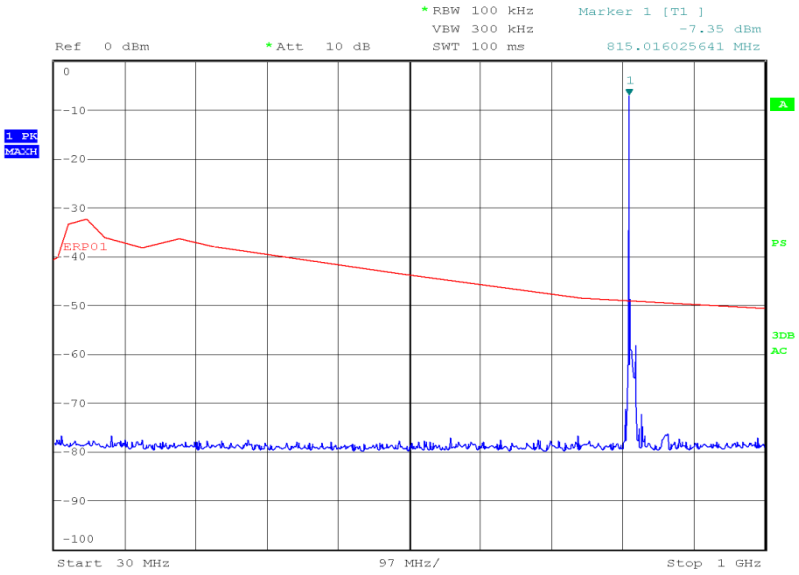
Date: 8.MAY.2015 04:13:37

LTE FDD 26, 821.5 MHz, 1 Resource Block – Low, 5.0 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results

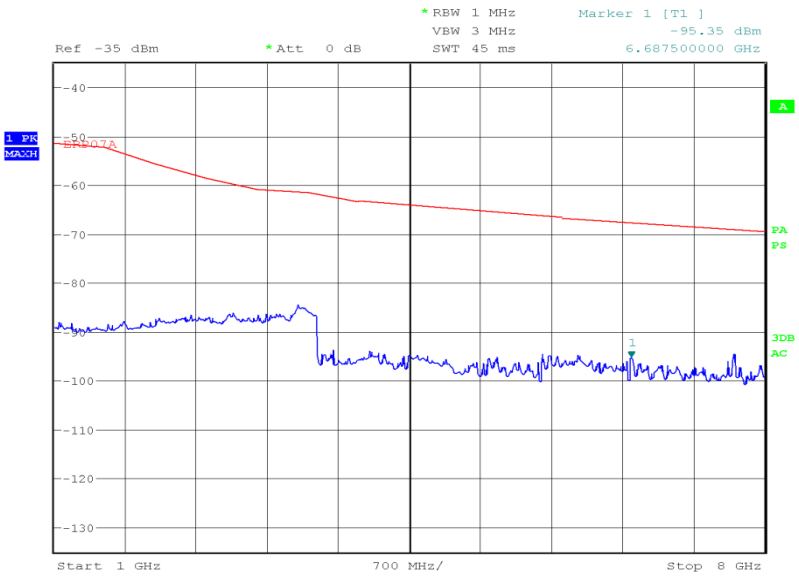


Date: 11.MAY.2015 00:31:39

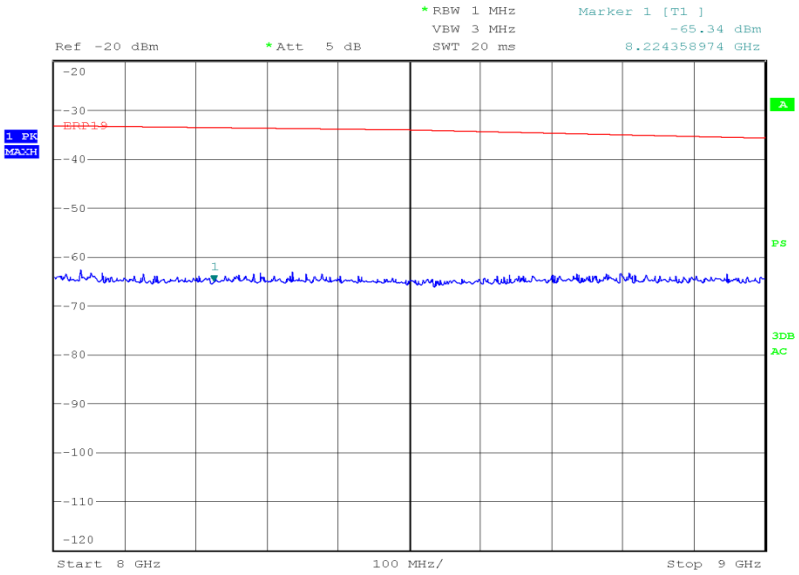
LTE FDD 26, 819.0 MHz, 1 Resource Block – Low, 10.0 MHz Bandwidth, QPSK, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



LTE FDD 26, 819.0 MHz, 1 Resource Block – Low, 10.0 MHz Bandwidth, QPSK, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results

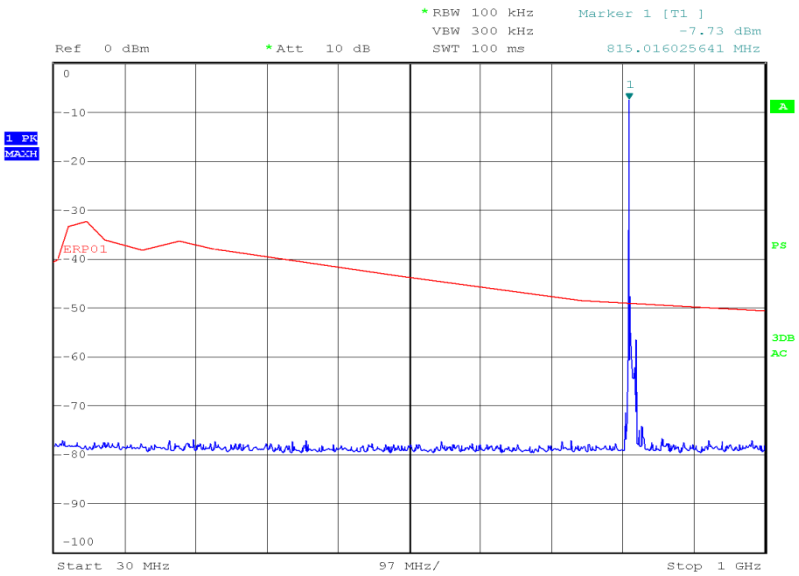


LTE FDD 26, 819.0 MHz, 1 Resource Block – Low, 10.0 MHz Bandwidth, QPSK, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results



Date: 11.MAY.2015 00:41:03

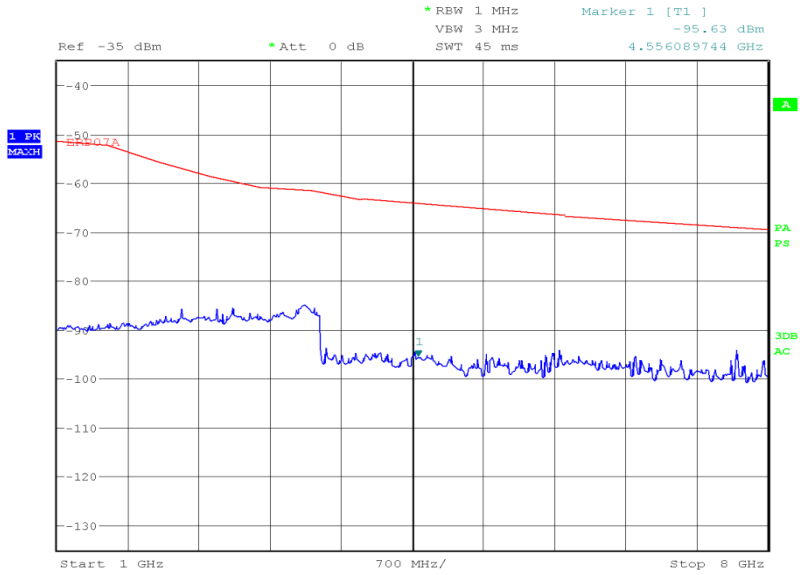
LTE FDD 26, 819.0 MHz, 1 Resource Block – Low, 10.0 MHz Bandwidth, 16-QAM, 30 MHz to 1 GHz, Spurious at Antenna Terminals Results



Date: 9.MAY.2015 04:35:13

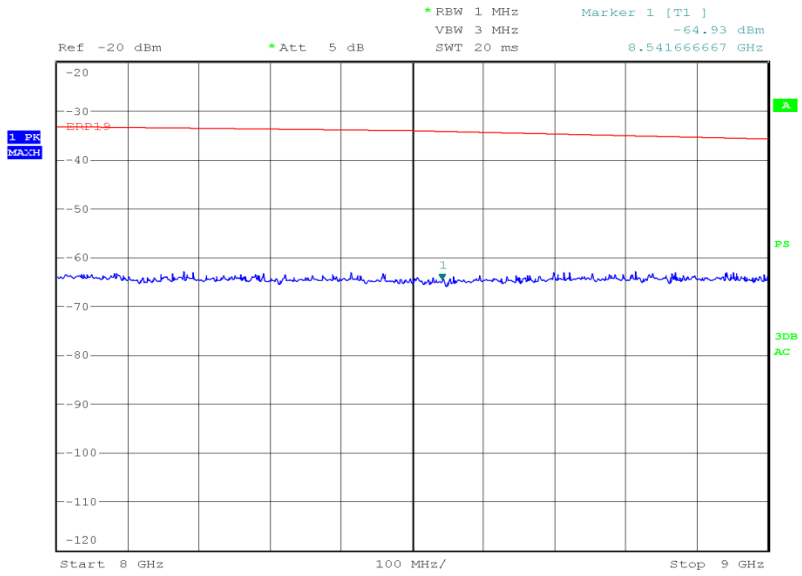
Product Service

LTE FDD 26, 819.0 MHz, 1 Resource Block – Low, 10.0 MHz Bandwidth, 16-QAM, 1 GHz to 8 GHz, Spurious at Antenna Terminals Results



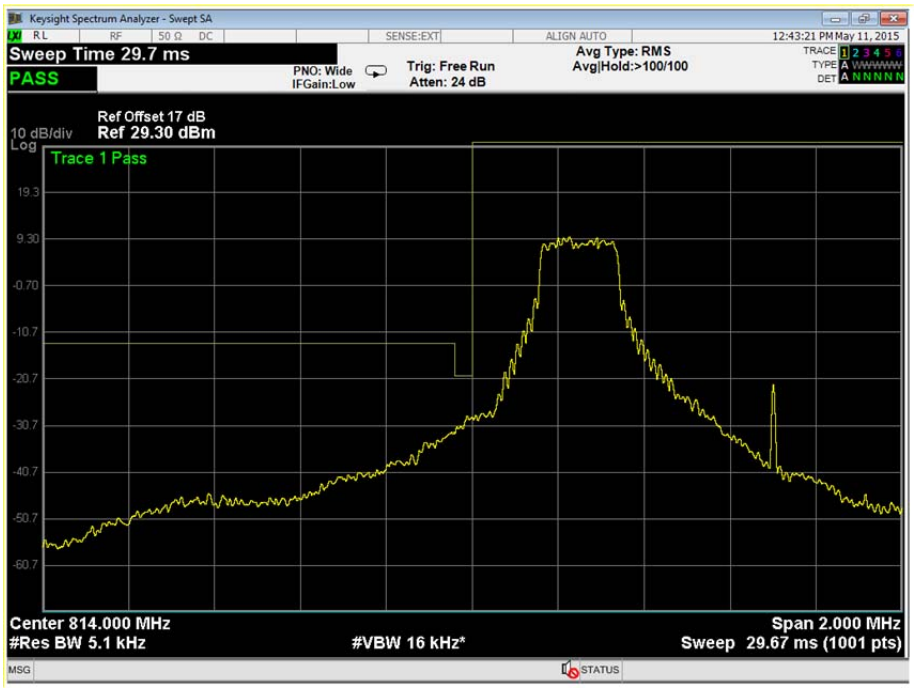
Date: 8.MAY.2015 04:17:15

LTE FDD 26, 819.0 MHz, 1 Resource Block – Low, 10.0 MHz Bandwidth, 16-QAM, 8 GHz to 9 GHz, Spurious at Antenna Terminals Results

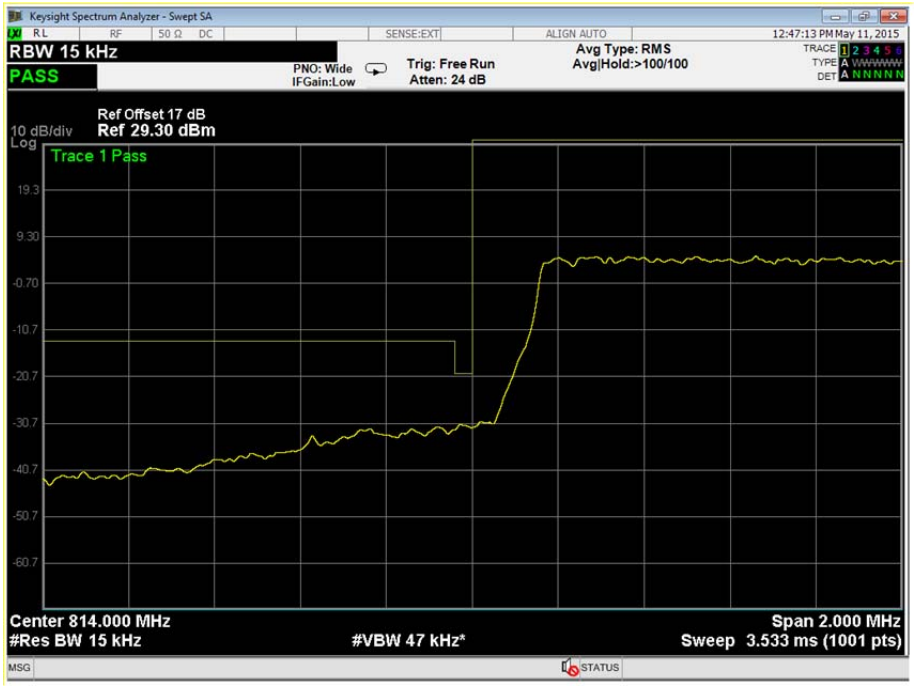


Date: 11.MAY.2015 00:38:12

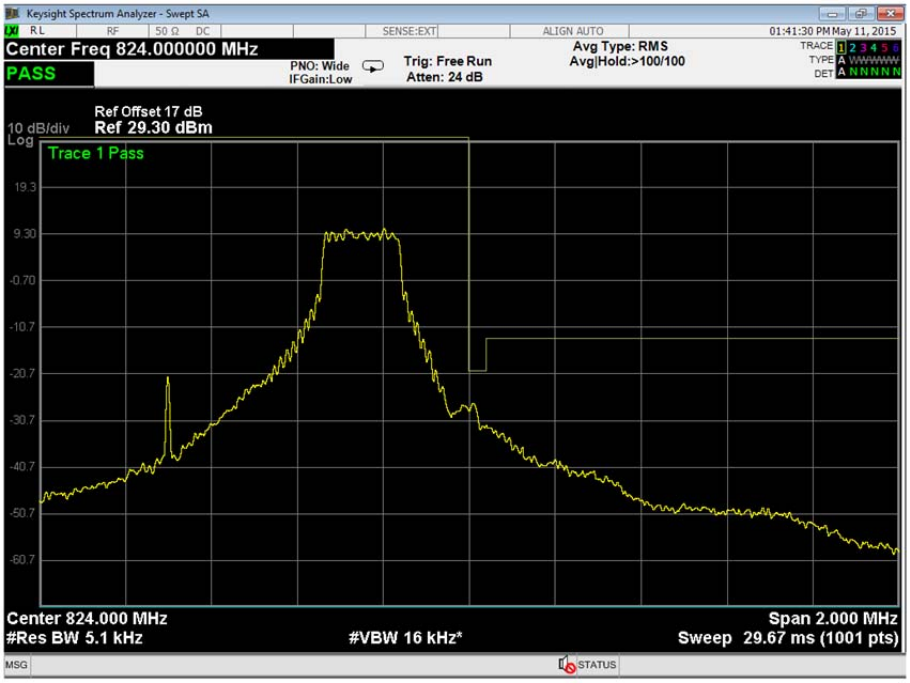
LTE FDD 26, 814.7 MHz, 1 Resource Block – Low, 1.4 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



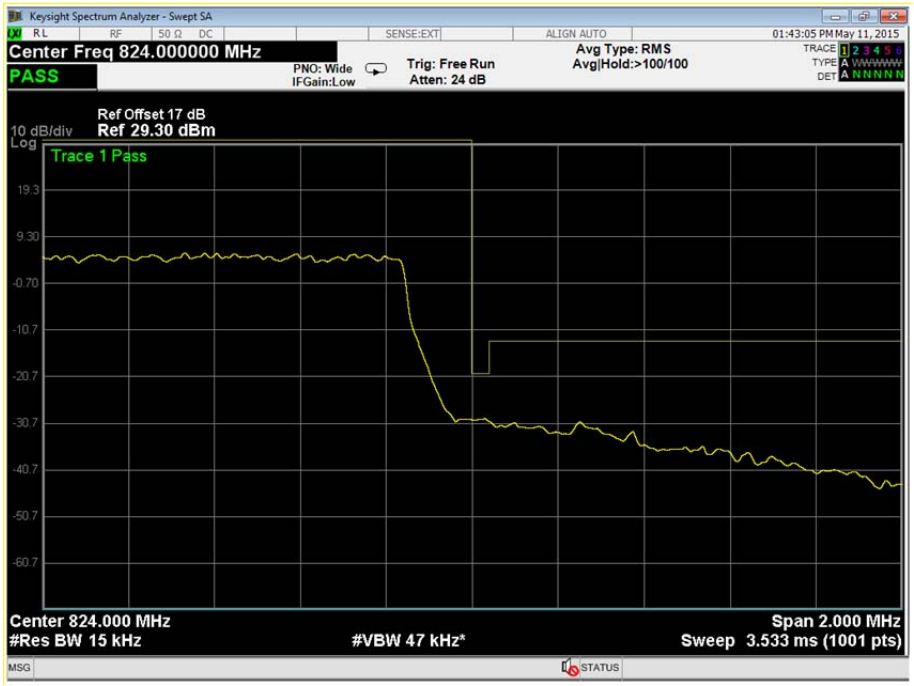
LTE FDD 26, 814.7 MHz, All Resource Blocks, 1.4 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



LTE FDD 26, 823.3 MHz, 1 Resource Block - High, 1.4 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results

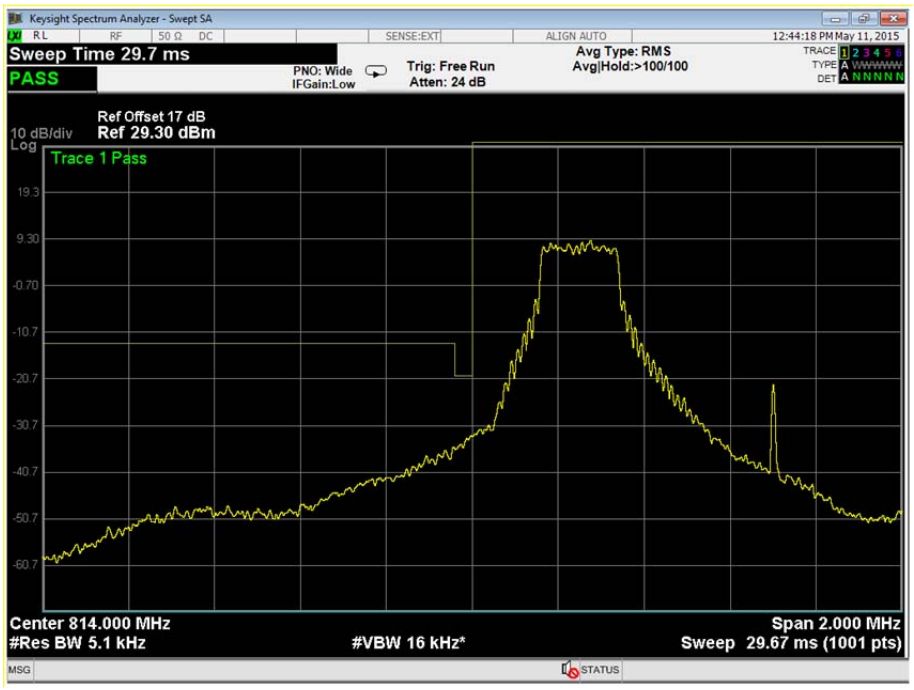


LTE FDD 26, 823.3 MHz, All Resource Blocks, 1.4 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results

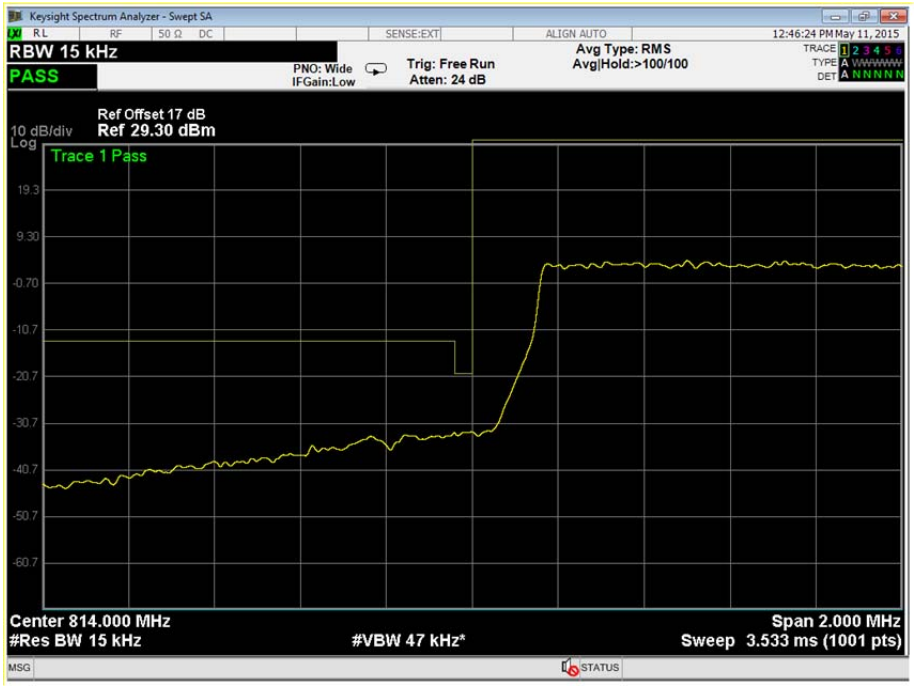


Product Service

LTE FDD 26, 814.7 MHz, 1 Resource Block – Low, 1.4 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

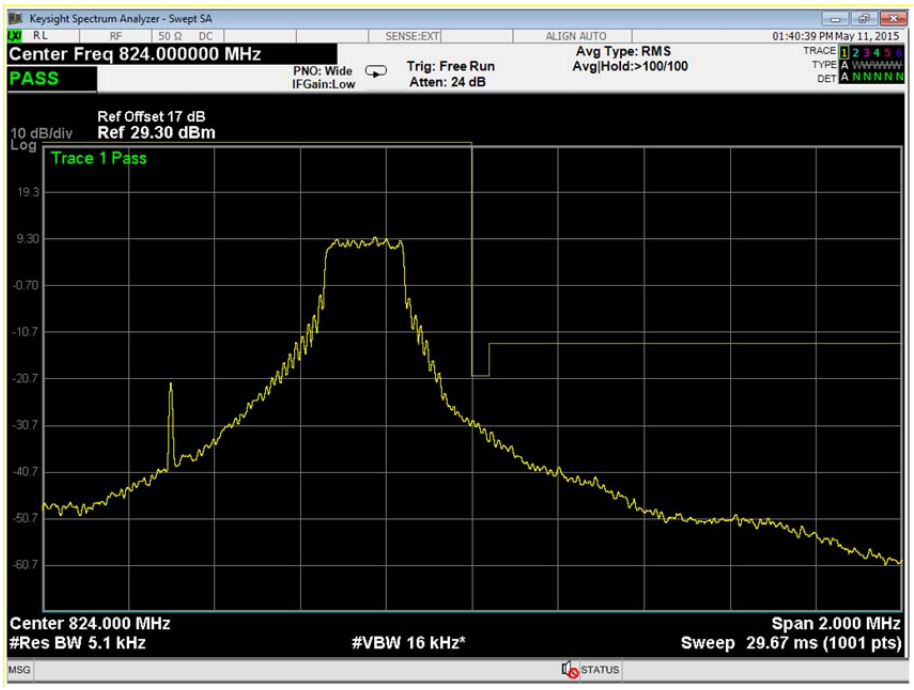


LTE FDD 26, 814.7 MHz, All Resource Blocks, 1.4 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

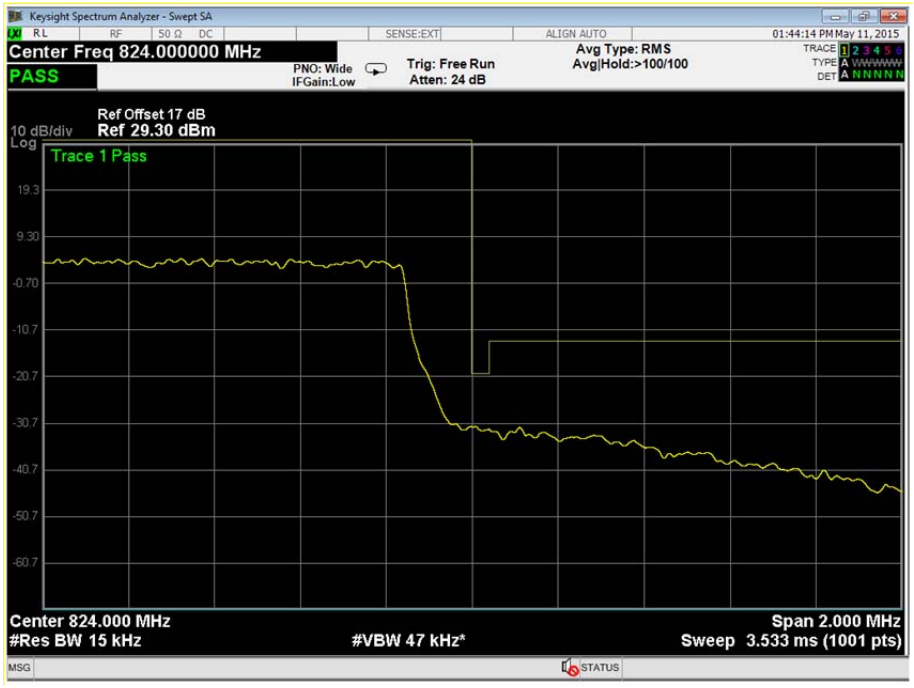


Product Service

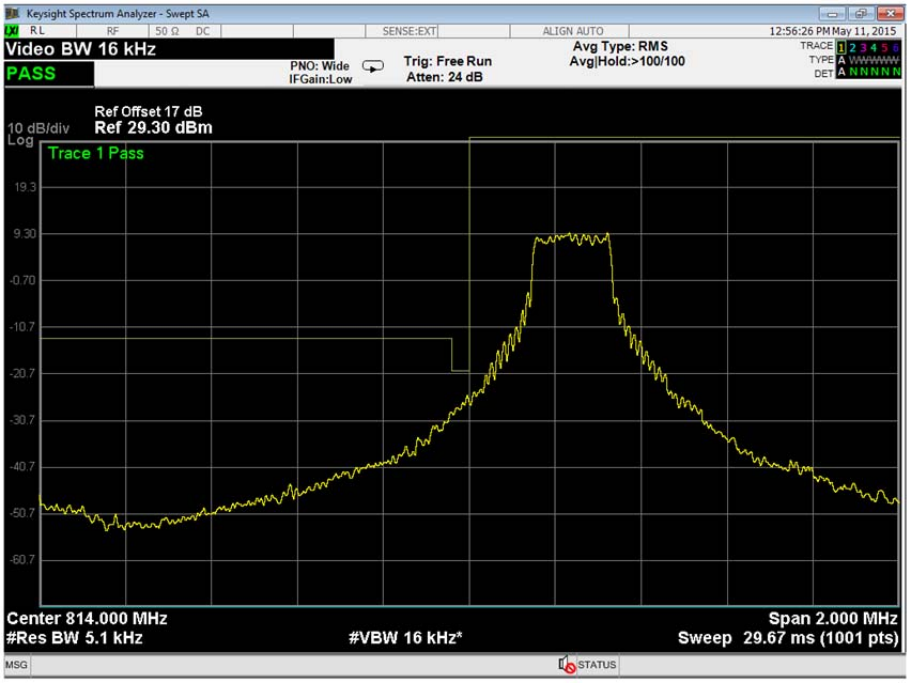
LTE FDD 26, 823.3 MHz, 1 Resource Block - High, 1.4 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results



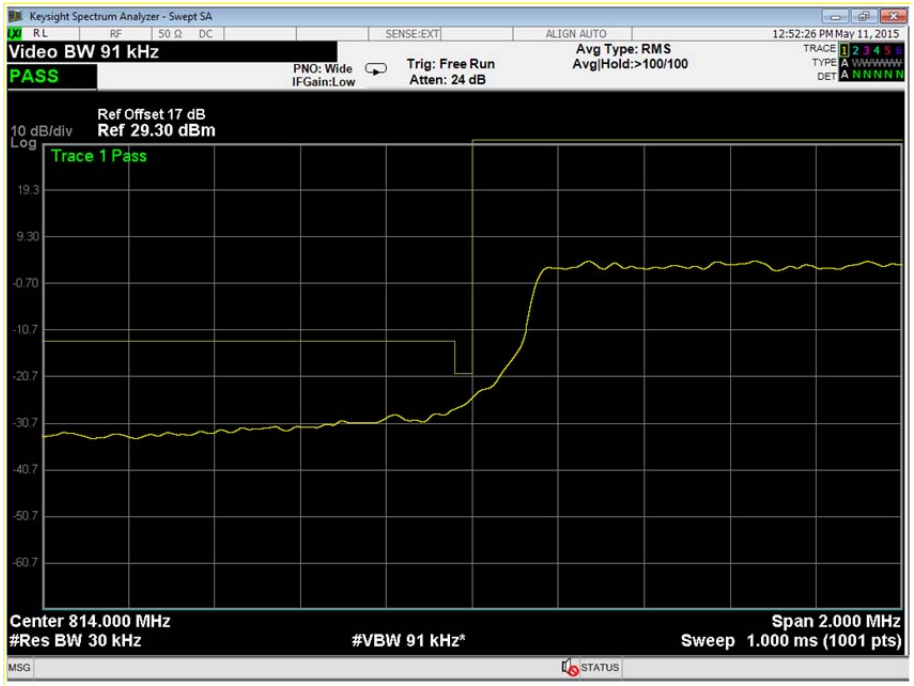
LTE FDD 26, 823.3 MHz, All Resource Blocks, 1.4 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results



LTE FDD 26, 815.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



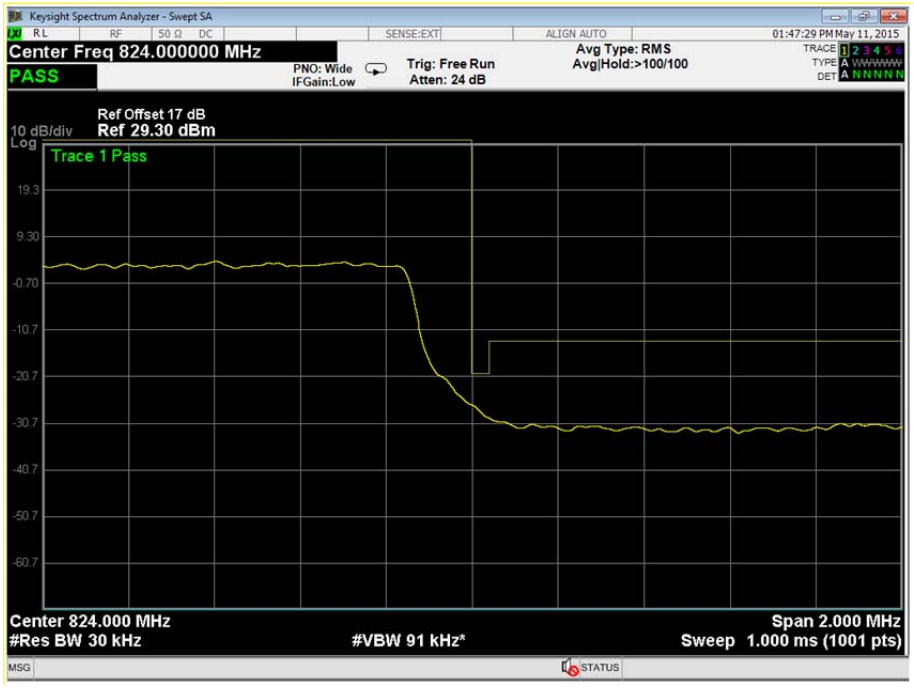
LTE FDD 26, 815.5 MHz, All Resource Blocks, 3.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



Product Service

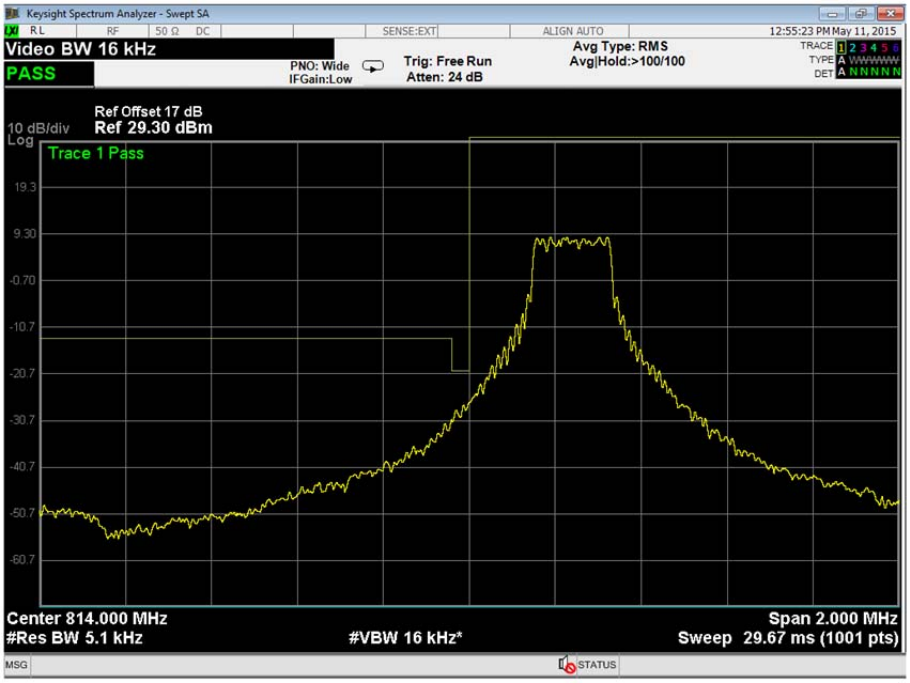
LTE FDD 26, 822.5 MHz, 1 Resource Block - High, 3.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results

LTE FDD 26, 822.5 MHz, All Resource Blocks, 3.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



Product Service

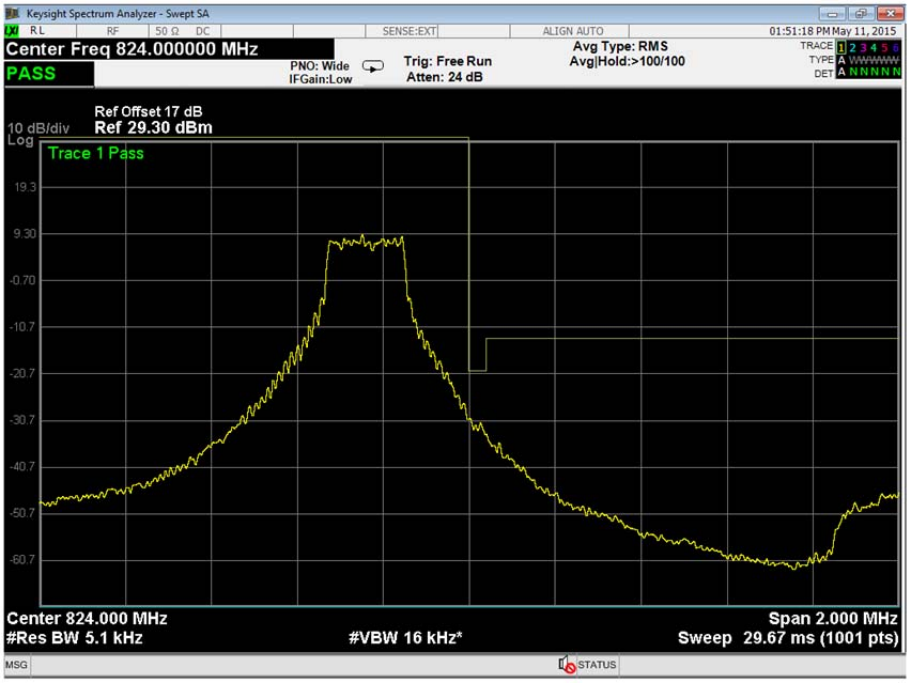
LTE FDD 26, 815.5 MHz, 1 Resource Block – Low, 3.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results



LTE FDD 26, 815.5 MHz, All Resource Blocks, 3.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

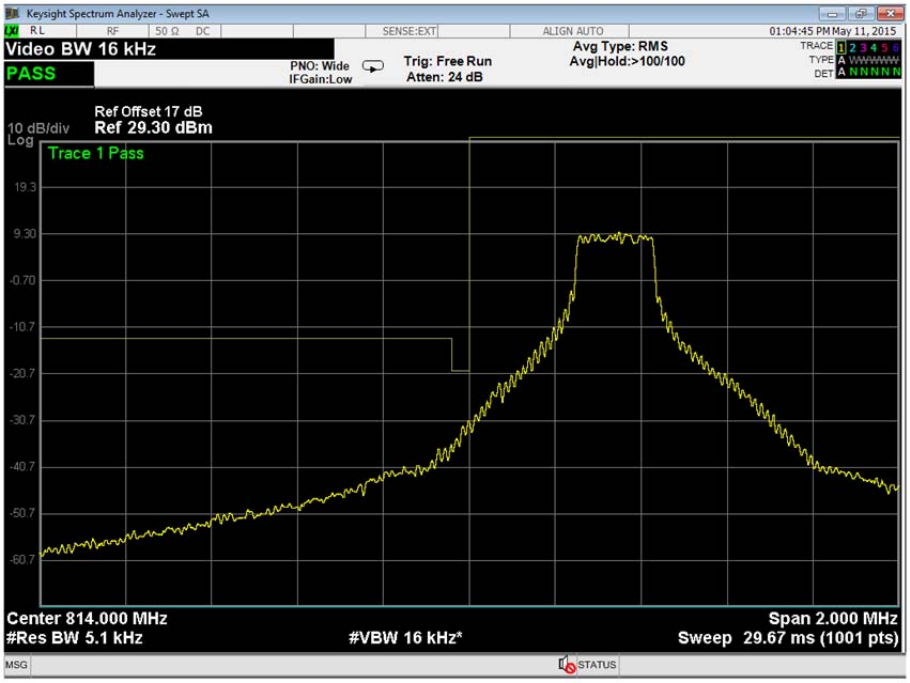
Product Service

LTE FDD 26, 822.5 MHz, 1 Resource Block - High, 3.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

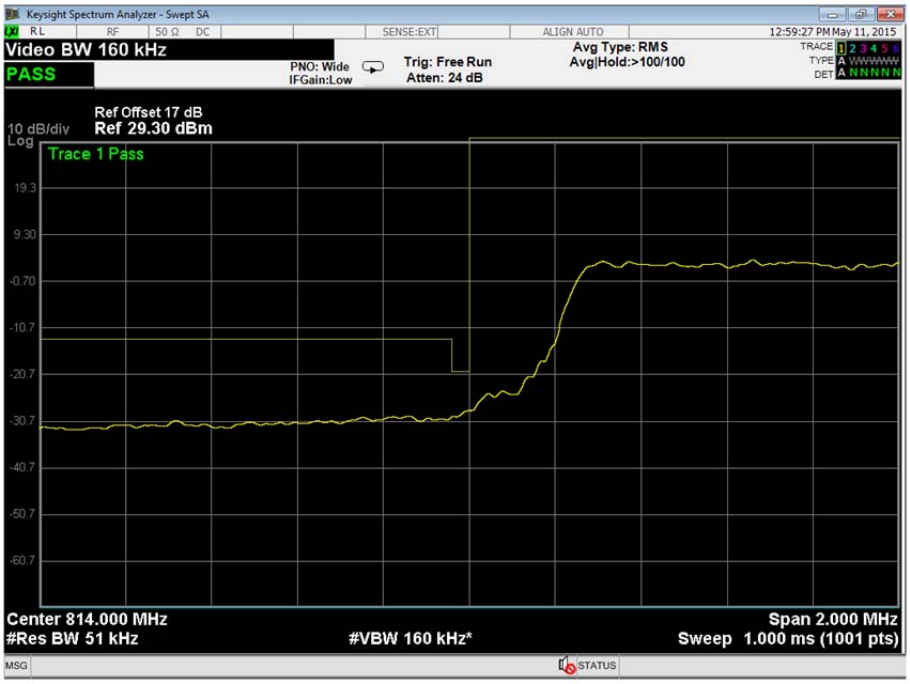


LTE FDD 26, 822.5 MHz, All Resource Blocks, 3.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

LTE FDD 26, 816.5 MHz, 1 Resource Block - Low, 5.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results

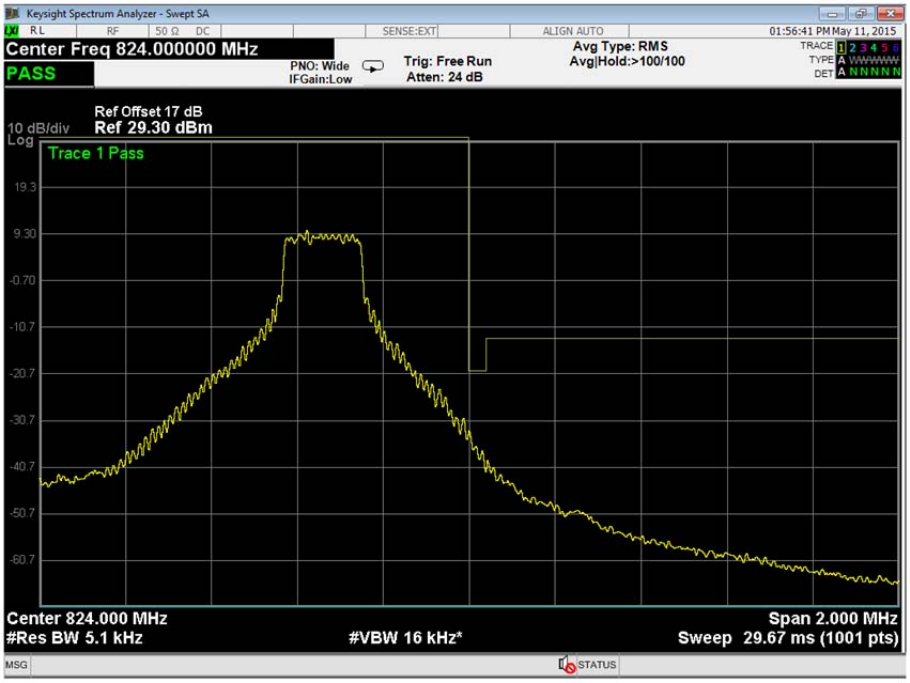


LTE FDD 26, 816.5 MHz, All Resource Blocks, 5.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



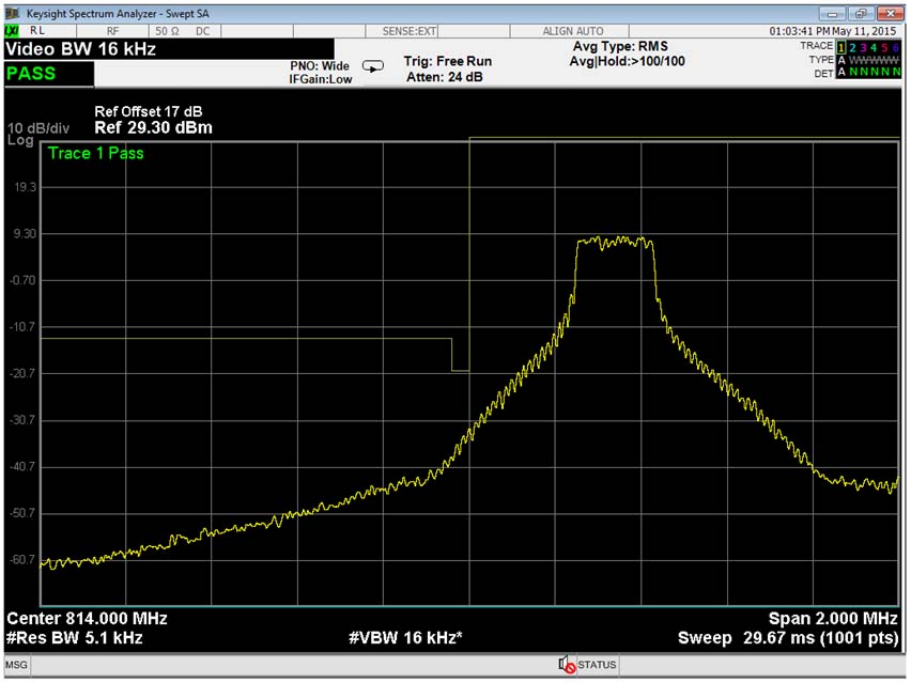
Product Service

LTE FDD 26, 821.5 MHz, 1 Resource Block - High, 5.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



LTE FDD 26, 821.5 MHz, All Resource Blocks, 5.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results

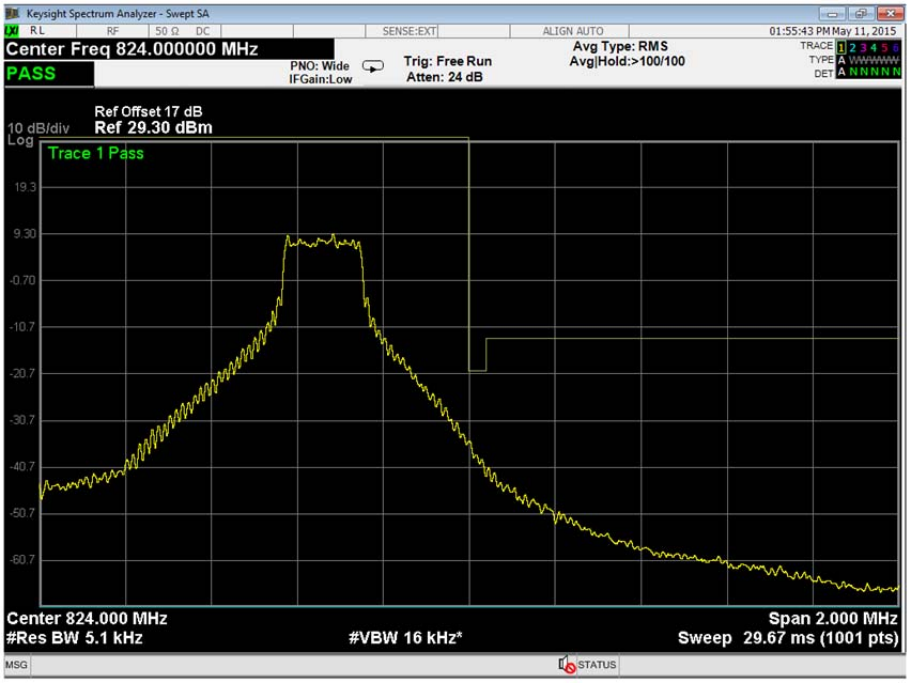
LTE FDD 26, 816.5 MHz, 1 Resource Block - Low, 5.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results



LTE FDD 26, 816.5 MHz, All Resource Blocks, 5.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

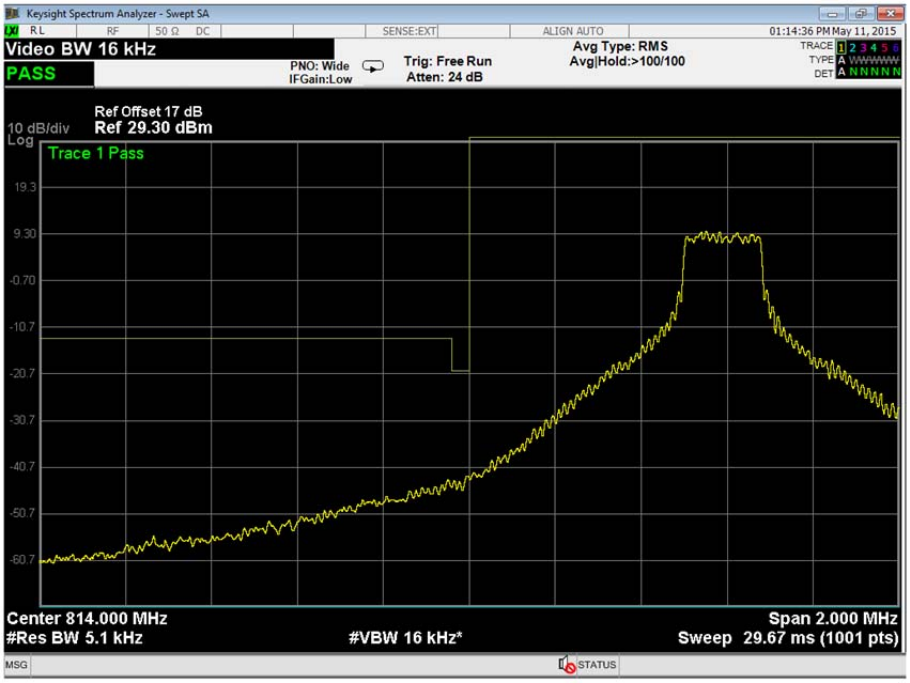
Product Service

LTE FDD 26, 821.5 MHz, 1 Resource Block - High, 5.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

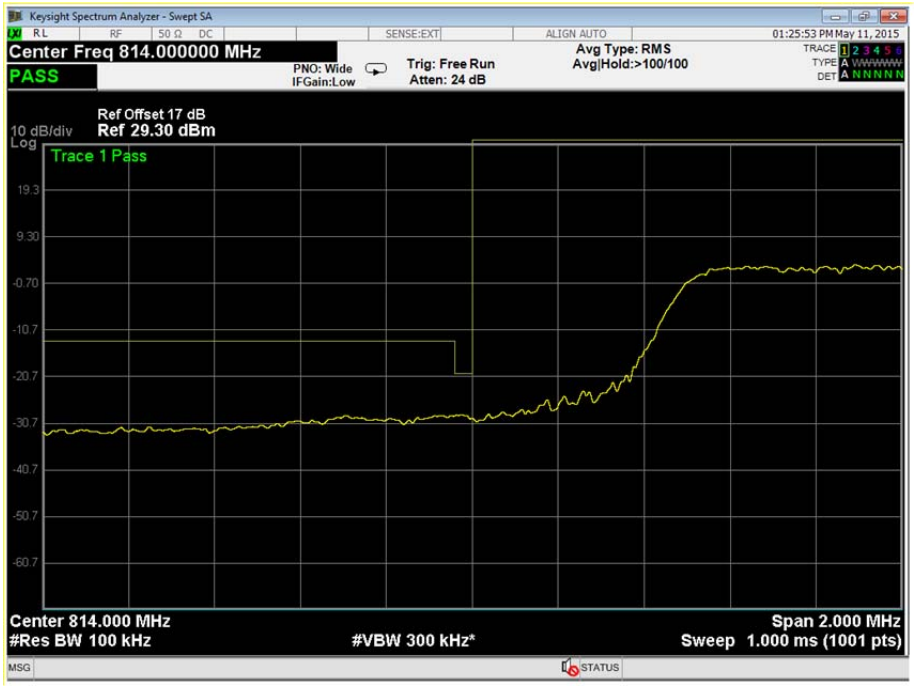


LTE FDD 26, 821.5 MHz, All Resource Blocks, 5.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

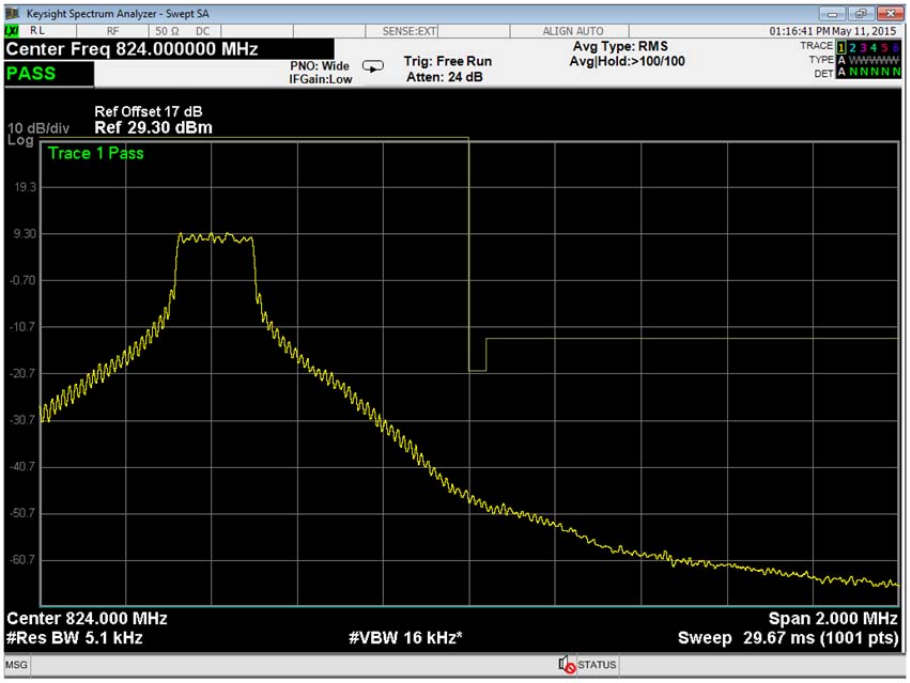
LTE FDD 26, 819 MHz, 1 Resource Block - Low, 10.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



LTE FDD 26, 819 MHz, All Resource Blocks, 10.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



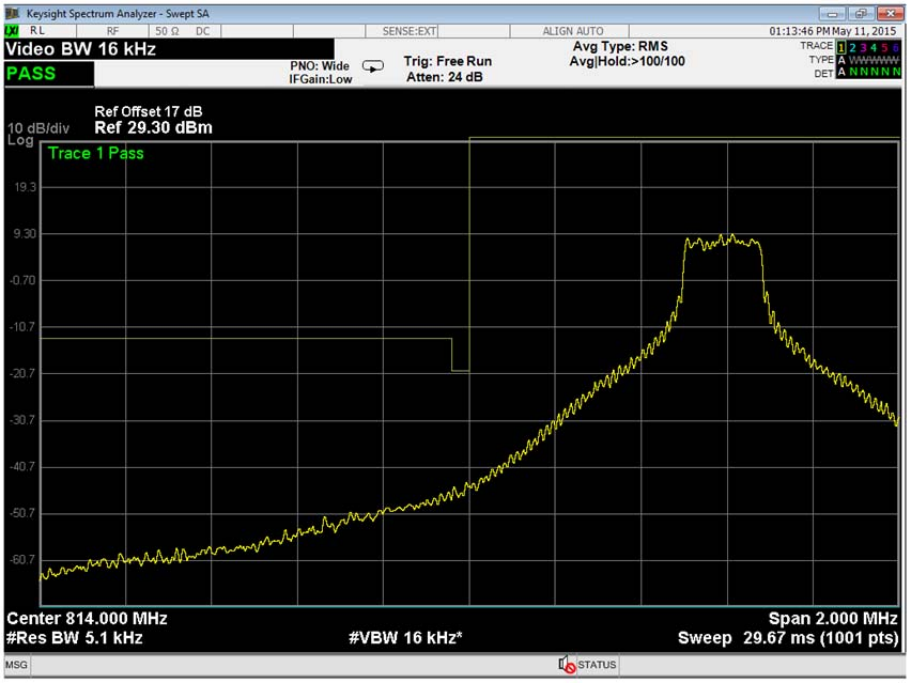
LTE FDD 26, 819 MHz, 1 Resource Block - High, 10.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results



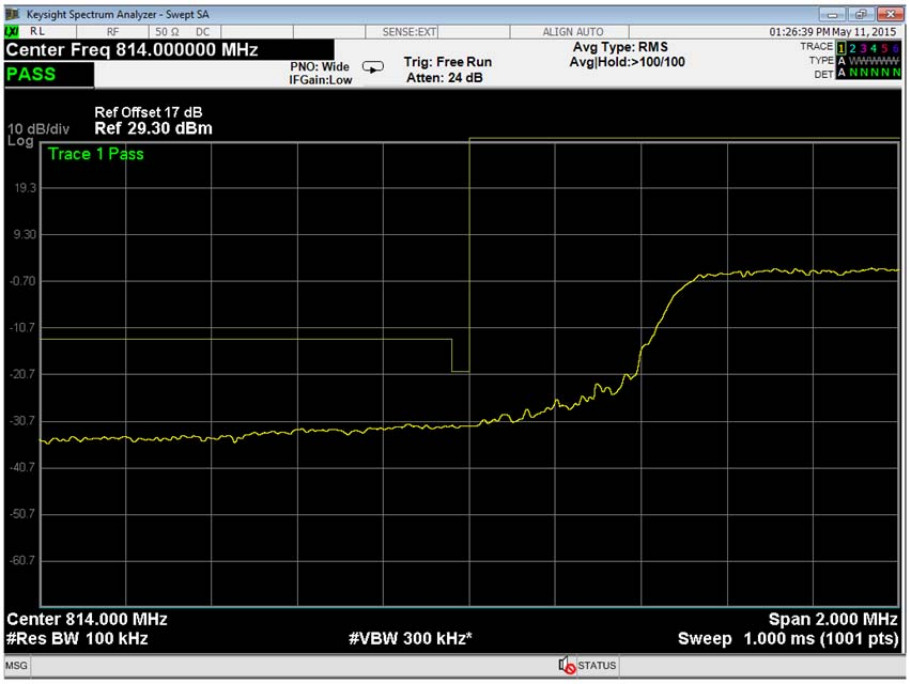
LTE FDD 26, 819 MHz, All Resource Blocks, 10.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results

Product Service

LTE FDD 26, 819 MHz, 1 Resource Block - Low, 10.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

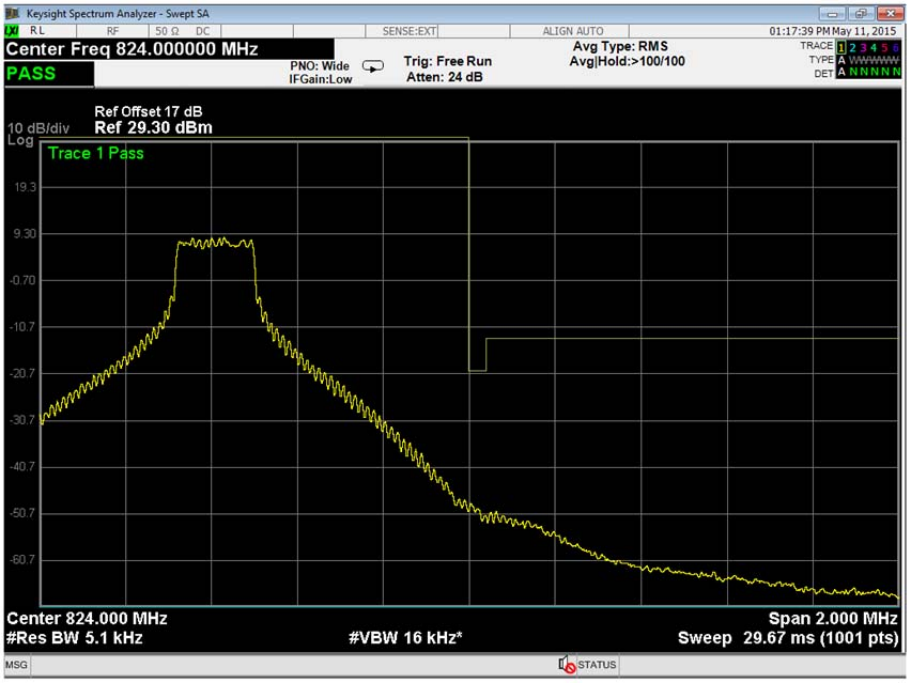


LTE FDD 26, 819 MHz, All Resource Blocks, 10.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

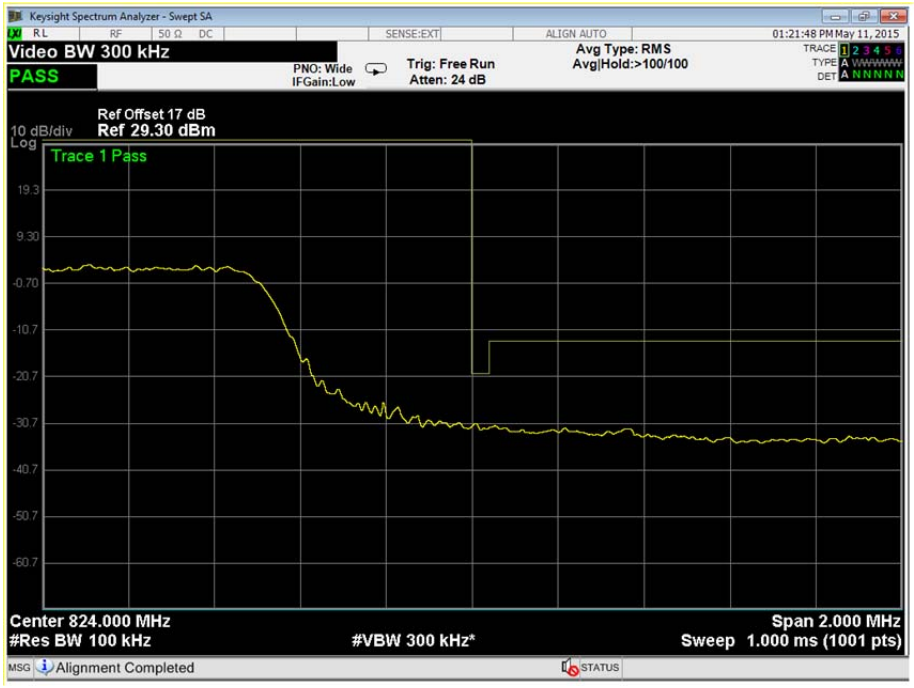


Product Service

LTE FDD 26, 819 MHz, 1 Resource Block - High, 10.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

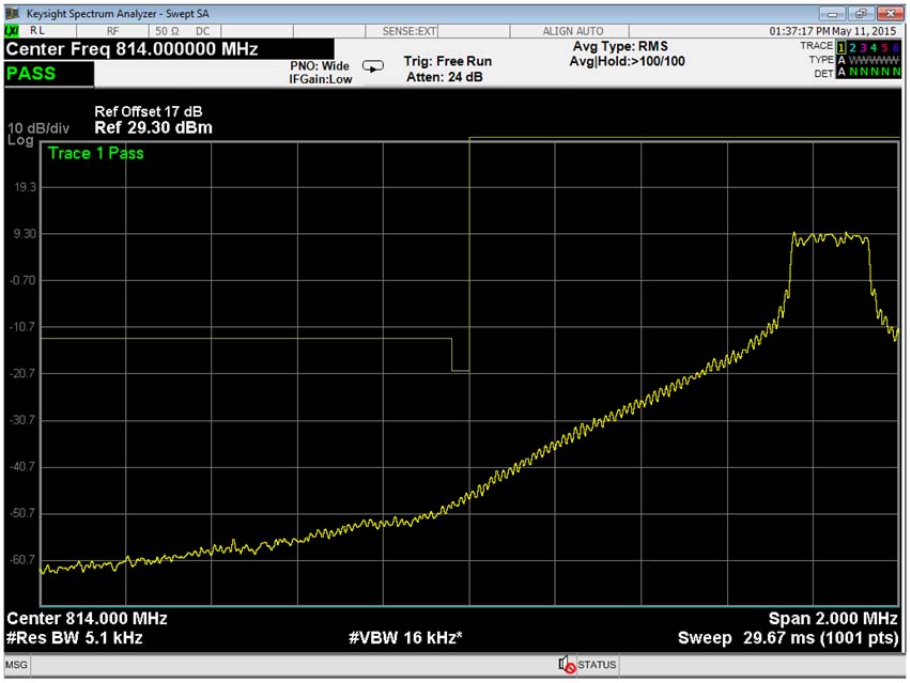


LTE FDD 26, 819 MHz, All Resource Blocks, 10.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results

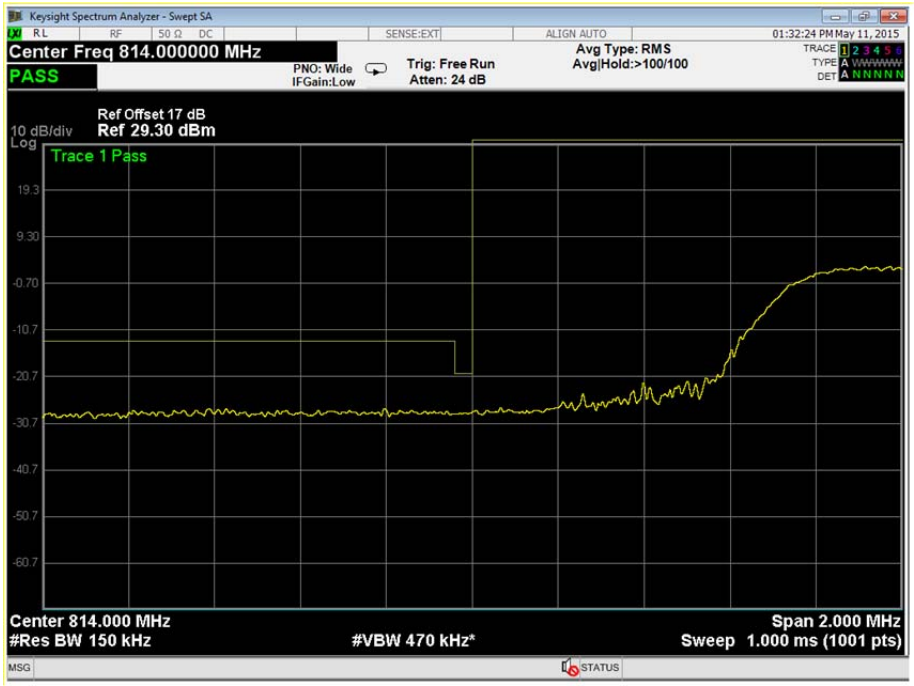


Product Service

LTE FDD 26, 821.5 MHz, 1 Resource Block - Low, 15.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results

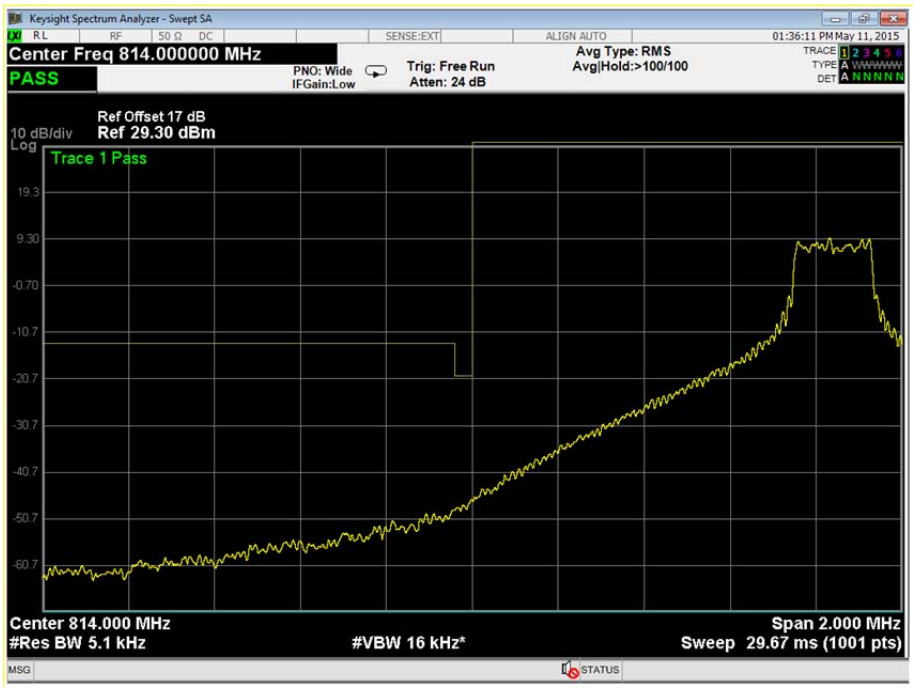


LTE FDD 26, 821.5 MHz, All Resource Blocks, 15.0 MHz Bandwidth, QPSK, Block Edge, Spurious at Antenna Terminals Results

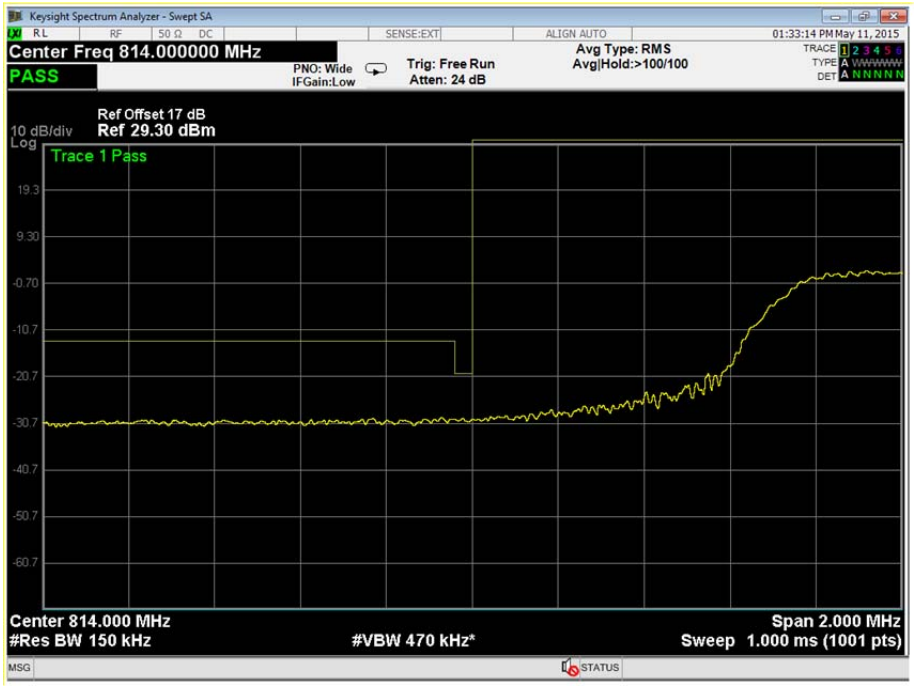


Product Service

LTE FDD 26, 821.5 MHz, 1 Resource Block - Low, 15.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results



LTE FDD 26, 821.5 MHz, All Resource Blocks, 15.0 MHz Bandwidth, 16-QAM, Block Edge, Spurious at Antenna Terminals Results



FCC 47 CFR Part 90, Limit Clause 90.691 (a)(1)(2)

On any frequency removed by up to and include 37.5 kHz	116 + Log_{10}(f/6.1) dBc
	50 + Log_{10}(P) dBc
	80 dBc
On any frequency removed by > 37.5 kHz	-13 dBm
	80 dBc

Note: Whichever is the lesser attenuation

Product Service

SECTION 3

TEST EQUIPMENT USED

Product Service

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 - Occupied Bandwidth					
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	28-Jul-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
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
Section 2.2 - Frequency Stability					
Climatic Chamber	Votsch	VT4002	161	-	O/P Mon
Attenuator 10dB/25W	Weinschel	46-10-43	400	12	4-Jun-2015
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Multimeter	Fluke	75 Mk3	455	12	23-Jul-2015
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	28-Jul-2015
Power Supply	Hewlett Packard	6104A	1948	-	TU
Spectrum Analyser	Rohde & Schwarz	FSU26	2747	12	20-Jan-2016
Radio Communications Test Set	Rohde & Schwarz	CMU 200	2809	12	30-Jun-2015
Digital Thermometer	Digitron	T208	2831	12	31-Jul-2015
Climatic Chamber	TAS	Micro 225	2892	-	O/P Mon
Thermocouple Thermometer	Fluke	51	3173	12	4-Dec-2015
Thermocouple Thermometer	Fluke	51	3174	12	4-Dec-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 - 8 GHz Attenuator	Lucas Weinschel	24-30-33	3963	12	30-Jun-2015
DC - 12.4 GHz 10 dB Attenuator	Suhner	6810.17.A	3965	12	22-Oct-2015
True RMS Multimeter	Fluke	179	4007	12	31-Jul-2015
Wideband Radio Communication Tester	Rohde & Schwarz	CMW 500	4144	12	7-Nov-2015
Type T PFA Insulated Thermocouple	TC Limited	Type T	4229	12	28-Jan-2016
Frequency Standard	Spectracom	Secure Sync 1200-0408-0601	4393	6	28-Jul-2015
PXA Signal Analyser	Agilent Technologies	N9030A PXA	4409	12	16-Feb-2016
1 metre N-Type Cable	IW Microwave	NPS-1806LC-394-NPS	4505	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
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
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
Wideband Radio Test Set	Rohde & Schwarz	CMW500	4546	12	23-Jan-2016
Section 2.5 - Spurious Emissions at Antenna Terminals					
Antenna (Double Ridge Guide, 1GHz-18GHz)	EMCO	3115	234	12	29-Apr-2016
Dual Power Supply Unit	Thurlby	PL320	288	-	TU
Power Supply Unit	Hewlett Packard	6253A	441	-	O/P Mon
Filter (High Pass)	Lorch	SHP7-7000-SR	566	12	24-Feb-2016
Rubidium Standard	Rohde & Schwarz	XSRM	1316	6	28-Jul-2015
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
Antenna (Bilog)	Chase	CBL6143	2904	24	10-Jun-2015
Hygrometer	Rotronic	I-1000	3220	12	24-Jul-2015
Attenuator (10dB, 20W)	Lucas Weinschel	1	3225	12	12-Dec-2015
EMI Test Receiver	Rohde & Schwarz	ESU40	3506	12	27-Oct-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
Mast Controller	maturo Gmbh	NCD	3917	-	TU
DC - 12.4 GHz 10 dB Attenuator	Suhner	6810.17.A	3965	12	22-Oct-2015
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
PXA Signal Analyser	Agilent Technologies	N9030A PXA	4409	12	16-Feb-2016
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
Wideband Radio Test Set	Rohde & Schwarz	CMW500	4546	12	23-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
Occupied Bandwidth	± 16.74 kHz
Frequency Stability	± 46.70 Hz
Maximum Conducted Output Power	± 0.70 dB
Modulation Characteristics	-
Spurious Emissions at Antenna Terminals	± 3.454 dB

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 (Not UKAS Accredited).