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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 27 and FCC 47 CFR Part 2 (LTE)

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FCC ID: APYHRO00218

Document 75929719 Report 20 Issue 3

June 2015



Product Service

TÜV SÜD Product Service, Octagon House, Concorde Way, Segensworth North,
Fareham, Hampshire, United Kingdom, PO15 5RL
Tel: +44 (0) 1489 558100. Website: www.tuv-sud.co.uk

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 20 Issue 3

June 2015

PREPARED FOR

Sharp Communication Compliance Ltd
Inspired
Easthampstead Road
Bracknell
Berkshire
RG12 1NS

PREPARED BY

Natalie Bennett
Senior Administrator, Project Support

APPROVED BY

Simon Bennett
Authorised Signatory

DATED

25 June 2015

This report has been up-issued to Issue 3 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 27 and FCC 47 CFR Part 2. The sample tested was found to comply with the requirements defined in the applied rules.

Test Engineer(s);

N Rousell

T Guy



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 27 and FCC 47 CFR Part 2 (LTE)



Product Service

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 27 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 004401115406494 IMEI 004401115406767
Number of Samples Tested	2
Test Specification/Issue/Date	FCC 47 CFR Part 27 (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	30 April 2015
Finish of Test	22 May 2015
Name of Engineer(s)	N Rousell T Guy 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 27 and FCC 47 CFR Part 2 is shown below.

Section	Specification Clause		Test Description	Result	Comments/Base Standard
	Part 27	Part 2			
LTE FDD 17					
2.1	27.50	2.1046	Maximum Conducted Output Power	Pass	
2.2	27.50	2.1046	Peak to Average Ratio	Pass	
2.3	27.53	2.1053	Emission Limitations	Pass	
2.4	27.53	2.1051	Band Edge	Pass	
2.5	27.53 (h)(3) and (m)(6)	2.1051	26 dB Bandwidth	Pass	
2.6	27.54	2.1055	Frequency Stability	Pass	
2.7	-	2.1047 (d)	Modulation Characteristics	-	
LTE TDD 41					
2.1	27.50	2.1046	Maximum Conducted Output Power	Pass	
2.2	27.50	2.1046	Peak to Average Ratio	Pass	
2.3	27.53	2.1053	Emission Limitations	Pass	
2.4	27.53	2.1051	Band Edge	Pass	
2.5	27.53 (h)(3) and (m)(6)	2.1051	26 dB Bandwidth	Pass	
2.6	27.54	2.1055	Frequency Stability	Pass	
2.7	-	2.1047 (d)	Modulation Characteristics	-	



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.



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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 27 and FCC 47 CFR Part 2 (LTE)



Product Service

2.1 MAXIMUM CONDUCTED OUTPUT POWER

2.1.1 Specification Reference

FCC 47 CFR Part 27, Clause 27.50
FCC 47 CFR Part 2, Clause 2.1046

2.1.2 Equipment Under Test and Modification State

SHV32 S/N: IMEI 004401115406494 - Modification State 0

2.1.3 Date of Test

1 May 2015 & 5 May 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 EUT was set to transmit at maximum power on the bottom, middle and top channels with low, mid, high and all resource block configurations.

The test was performed in accordance with KDB 971168 D01 v02r02, clause 5.2.3.

2.1.6 Environmental Conditions

Ambient Temperature	23.1 - 24.1°C
Relative Humidity	30.0 - 46.1%



2.1.7 Test Results

4.0 V DC Supply

LTE FDD 17, 5.0 MHz Bandwidth, QPSK, Maximum Average Conducted Output Power Results

Carrier Power ERP (dBm)											
706.5 MHz				710.0 MHz				713.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
23.39	23.42	23.4	22.3	23.35	23.46	23.41	22.32	23.43	23.41	23.13	22.34

LTE FDD 17, 5.0 MHz Bandwidth, 16-QAM, Maximum Average Conducted Output Power Results

Carrier Power ERP (dBm)											
706.5 MHz				710.0 MHz				713.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
22.78	22.74	22.66	21.3	22.62	22.34	22.83	21.31	22.63	22.81	22.59	21.38

LTE FDD 17, 10.0 MHz Bandwidth, QPSK, Maximum Average Conducted Output Power Results

Carrier Power ERP (dBm)											
709.0 MHz				710.0 MHz				711.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
23.39	23.49	23.37	22.21	23.28	23.18	23.38	22.28	23.41	23.38	23.3	22.34

LTE FDD 17, 10.0 MHz Bandwidth, 16-QAM, Maximum Average Conducted Output Power Results

Carrier Power ERP (dBm)											
709.0 MHz				710.0 MHz				711.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
22.52	22.68	22.55	21.31	22.69	22.69	22.53	21.38	22.57	22.56	22.48	21.41

FCC 47 CFR Part 27, Limit Clause 27.50 (c)(10)

Fixed, Mobile and Portable Stations: <3 W



4.0 V DC Supply

LTE TDD 41, 5.0 MHz Bandwidth, QPSK, Maximum Average Conducted Output Power Results

Carrier Power EIRP (dBm)											
2498.5 MHz				2593.0 MHz				2687.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
20.65	20.81	20.79	20.21	21.13	21.15	21.07	19.97	21.38	21.23	21.33	20.12

LTE TDD 41, 5.0 MHz Bandwidth, 16-QAM, Maximum Average Conducted Output Power Results

Carrier Power EIRP (dBm)											
2498.5 MHz				2593.0 MHz				2687.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
20.08	20.25	20.33	19.18	19.97	19.87	20.12	18.89	20.57	20.99	20.36	19.06

LTE TDD 41, 10.0 MHz Bandwidth, QPSK, Maximum Average Conducted Output Power Results

Carrier Power EIRP (dBm)											
2501.0 MHz				2593.0 MHz				2685.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
20.76	21.05	20.97	20.38	21.03	21.08	20.99	19.92	21.91	21.84	21.61	20.22

LTE TDD 41, 10.0 MHz Bandwidth, 16-QAM, Maximum Average Conducted Output Power Results

Carrier Power EIRP (dBm)											
2501.0 MHz				2593.0 MHz				2685.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
19.69	20.06	19.99	19.26	20.36	20.47	20.21	18.9	20.42	20.41	20.21	19.26



LTE TDD 41, 15.0 MHz Bandwidth, QPSK, Maximum Average Conducted Output Power Results

Carrier Power EIRP (dBm)											
2503.5 MHz				2593.0 MHz				2682.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
21.13	20.75	21.19	20.23	21.21	21.05	21.15	19.83	21.21	21.43	21.63	20.18

LTE TDD 41, 15.0 MHz Bandwidth, 16-QAM, Maximum Average Conducted Output Power Results

Carrier Power EIRP (dBm)											
2503.5 MHz				2593.0 MHz				2682.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
20.12	20.1	20.26	19.29	20.32	20.19	20.34	18.9	20.37	20.24	20.21	19.13

LTE TDD 41, 20.0 MHz Bandwidth, QPSK, Maximum Average Conducted Output Power Results

Carrier Power EIRP (dBm)											
2506.0 MHz				2593.0 MHz				2680.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
20.75	20.71	20.6	19.97	20.84	20.61	20.81	19.86	21.09	20.75	20.9	20.19

LTE TDD 41, 20.0 MHz Bandwidth, 16-QAM, Maximum Average Conducted Output Power Results

Carrier Power EIRP (dBm)											
2506.0 MHz				2593.0 MHz				2680.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
20.07	20.18	20.22	19.07	19.79	19.92	19.71	18.89	21.4	21.19	20.87	19.2

FCC 47 CFR Part 27, Limit Clause 27.50 (h)(2)

Mobile stations are limited to 2.0 watts EIRP.
All user stations are limited to 2.0 watts transmitter output power.



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2.2 PEAK TO AVERAGE RATIO**2.2.1 Specification Reference**

FCC 47 CFR Part 27, Clause 27.50
FCC 47 CFR Part 2, Clause 2.1046

2.2.2 Equipment Under Test and Modification State

SHV32 S/N: IMEI 004401115406494 - Modification State 0

2.2.3 Date of Test

1 May 2015 & 5 May 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 5.7.1.

2.2.6 Environmental Conditions

Ambient Temperature	23.1 - 24.1°C
Relative Humidity	30.0 - 46.1%



2.2.7 Test Results

4.0 V DC Supply

LTE FDD 17, 5.0 MHz Bandwidth, QPSK, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
706.5 MHz				710.0 MHz				713.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
4.0	3.7	3.8	4.9	3.7	3.8	3.9	4.9	3.8	3.7	3.6	4.7

LTE FDD 17, 5.0 MHz Bandwidth, 16-QAM, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
706.5 MHz				710.0 MHz				713.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
5.2	4.7	4.9	6.0	4.7	4.7	4.7	6.0	4.7	4.5	4.5	5.7

LTE FDD 17, 10.0 MHz Bandwidth, QPSK, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
709.0 MHz				710.0 MHz				711.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
4.1	4.0	3.8	5.4	3.9	3.9	3.8	5.2	4.0	4.1	3.9	5.1

LTE FDD 17, 10.0 MHz Bandwidth, 16-QAM, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
709.0 MHz				710.0 MHz				711.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
4.7	4.7	4.7	6.3	4.7	4.7	4.7	6.2	4.8	5.0	4.6	6.0

FCC 47 CFR Part 27, Limit Clause

No limit defined.



4.0 V DC Supply

LTE TDD 41, 5.0 MHz Bandwidth, QPSK, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
2498.5 MHz				2593.0 MHz				2687.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
6.0	6.0	6.1	6.2	6.0	5.9	6.1	6.9	6.6	6.7	6.4	7.4

LTE TDD 41, 5.0 MHz Bandwidth, 16-QAM, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
2498.5 MHz				2593.0 MHz				2687.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
6.5	6.6	6.6	7.2	6.9	6.9	6.8	7.9	6.6	7.0	6.5	8.3

LTE TDD 41, 10.0 MHz Bandwidth, QPSK, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
2501.0 MHz				2593.0 MHz				2685.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
5.9	6.0	6.1	6.5	6.0	6.0	6.3	7.1	6.4	6.4	6.4	7.6

LTE TDD 41, 10.0 MHz Bandwidth, 16-QAM, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
2501.0 MHz				2593.0 MHz				2685.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
7.0	7.2	7.0	7.5	7.4	7.0	7.4	8.0	7.2	7.1	7.3	8.6

LTE TDD 41, 15.0 MHz Bandwidth, QPSK, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
2503.5 MHz				2593.0 MHz				2682.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
5.8	6.0	6.2	7.4	6.1	6.0	6.0	7.7	6.6	6.7	6.5	8.0


LTE TDD 41, 15.0 MHz Bandwidth, 16-QAM, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
2503.5 MHz				2593.0 MHz				2682.5 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
6.9	7.0	7.0	8.2	6.8	6.9	7.4	8.5	7.4	7.5	7.3	8.9

LTE TDD 41, 20.0 MHz Bandwidth, QPSK, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
2506.0 MHz				2593.0 MHz				2680.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
5.7	6.0	6.1	7.8	6.2	6.3	6.3	7.9	6.3	6.6	6.3	8.3

LTE TDD 41, 20.0 MHz Bandwidth, 16-QAM, Peak to Average Ratio Results

Peak To Average Ratio (dB)											
2506.0 MHz				2593.0 MHz				2680.0 MHz			
1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks	1 Resource Block			All Resource Blocks
Low	Mid	High		Low	Mid	High		Low	Mid	High	
6.4	6.8	6.8	8.6	6.4	6.4	6.3	8.8	6.6	6.4	6.3	9.0

FCC 47 CFR Part 27, Limit Clause

No limit defined.



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2.3 EMISSION LIMITATIONS

2.3.1 Specification Reference

FCC 47 CFR Part 27, Clause 27.53
FCC 47 CFR Part 2, Clause 2.1053

2.3.2 Equipment Under Test and Modification State

SHV32 S/N: IMEI 004401115406767 - Modification State 0

2.3.3 Date of Test

30 April 2015, 3 May 2015, 9 May 2015, 17 May 2015 & 22 May 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

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

LTE FDD 17

Measurement Range	Measurement Distance	Displayed Limit Line
30 MHz to 1 GHz	3 m	-13 dBm
1 GHz to 3 GHz	3 m	-13 dBm
3 GHz to 8 GHz	3 m	-13 dBm
8 GHz to 18 GHz	1 m	-13 dBm
18 GHz to 27 GHz	1 m	-13 dBm

LTE TDD 41

Measurement Range	Measurement Distance	Displayed Limit Line
30 MHz to 1 GHz	3 m	-13 dBm*
1 GHz to 3 GHz	3 m	-25 dBm
3 GHz to 8 GHz	3 m	-25 dBm
8 GHz to 18 GHz	1 m	-25 dBm
18 GHz to 27 GHz	1 m	-13 dBm**

*Note: Where the displayed limit line is -13 dBm, the limit line shall be reduced by 12 dB to show compliance with the -25 dBm limit defined in clause 27.53 (m)(4).

**Note: Except where indicated below the plot.



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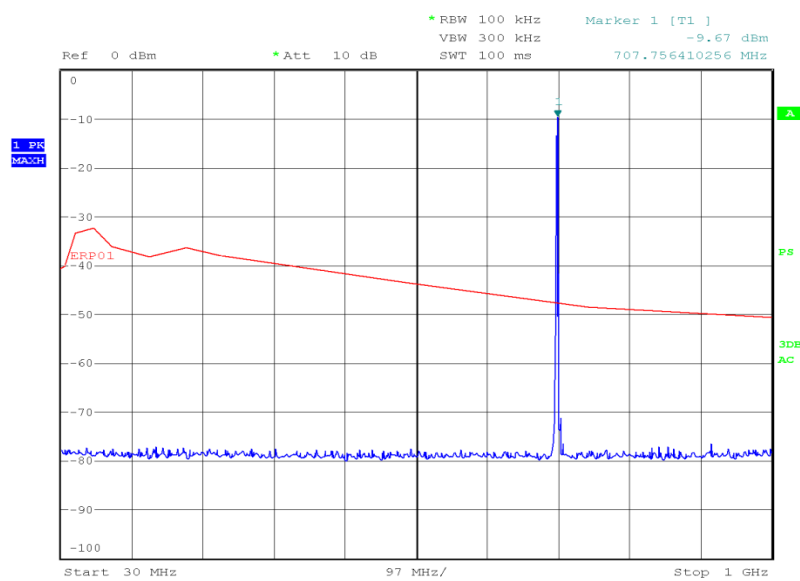
2.3.6 Environmental Conditions

Ambient Temperature 19.5 - 21.5°C
Relative Humidity 29.8 - 36.0%

2.3.7 Test Results

4.0 V DC Supply

LTE FDD 17, 706.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emission Limitations Plot

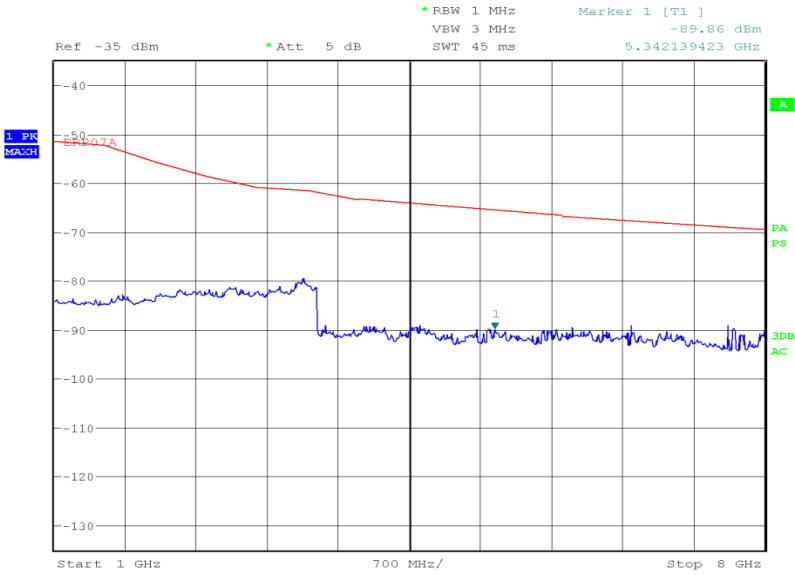


Date: 30.APR.2015 04:50:23



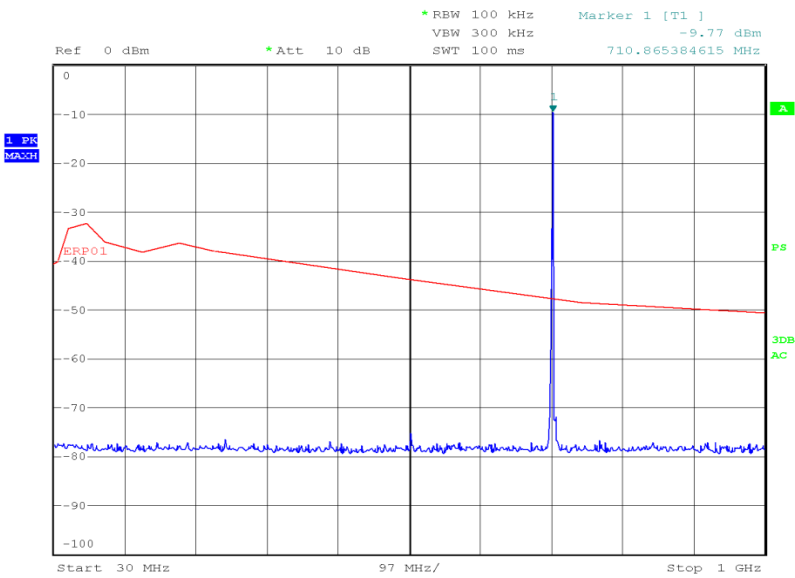
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LTE FDD 17, 706.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 22:25:11

LTE FDD 17, 710.0 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emission Limitations Plot

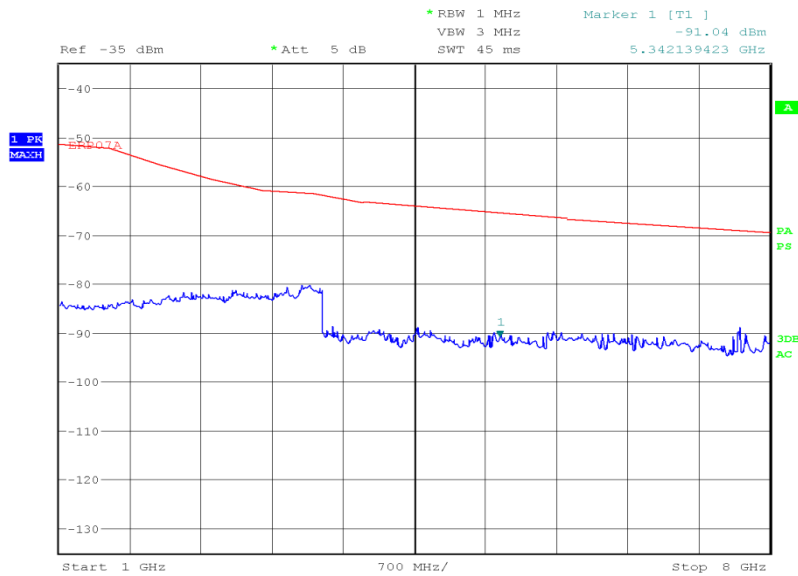


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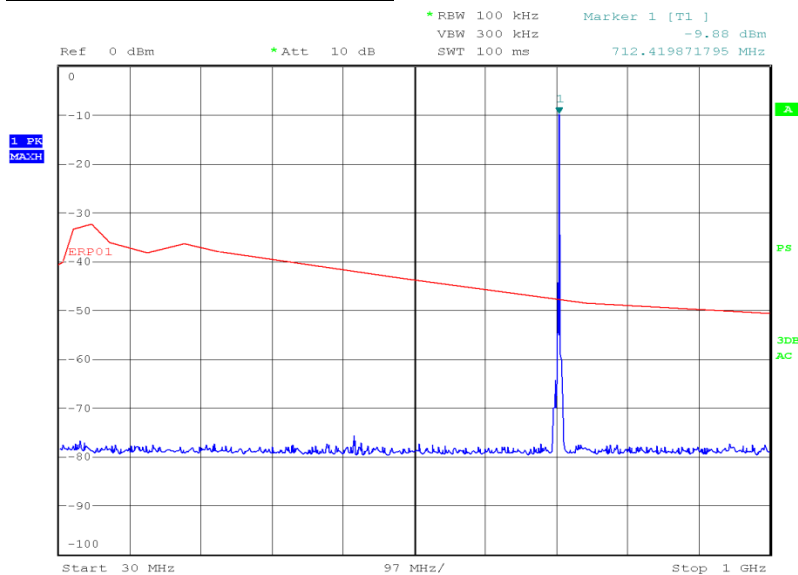
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LTE FDD 17, 710.0 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 22:21:12

LTE FDD 17, 713.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot

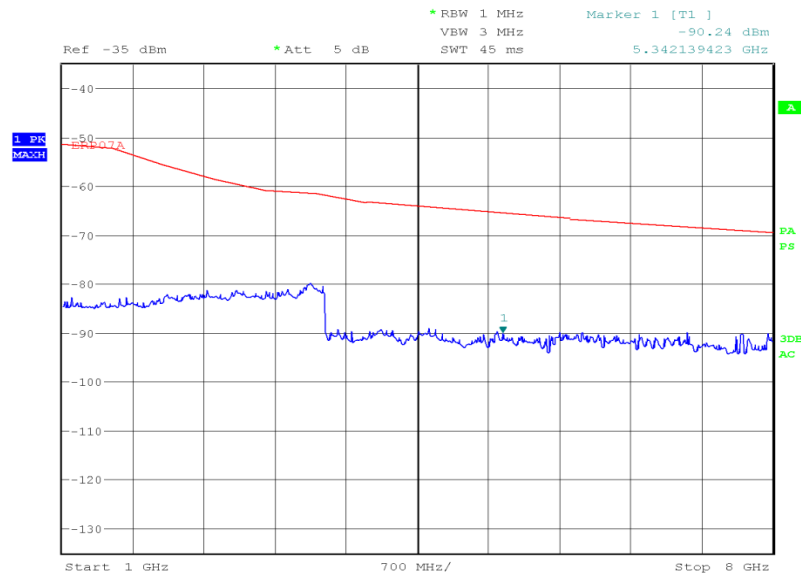


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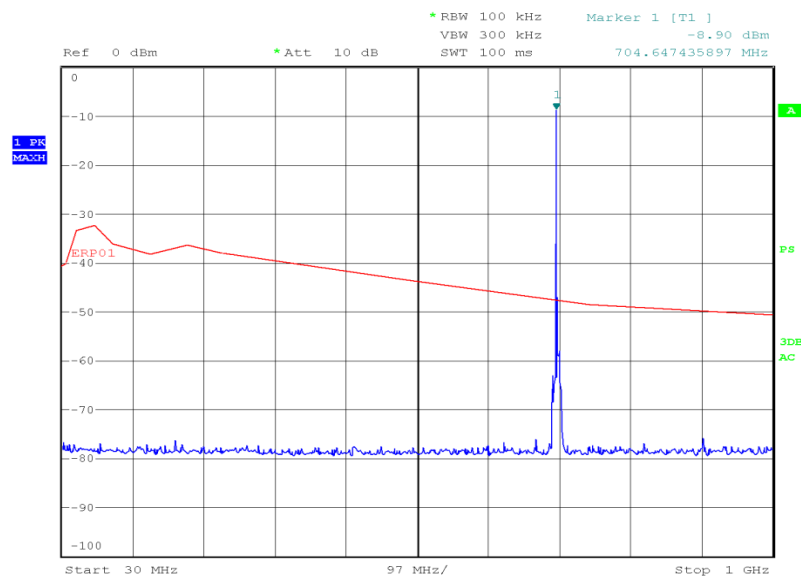
Product Service

LTE FDD 17, 713.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 22:28:27

LTE FDD 17, 706.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot

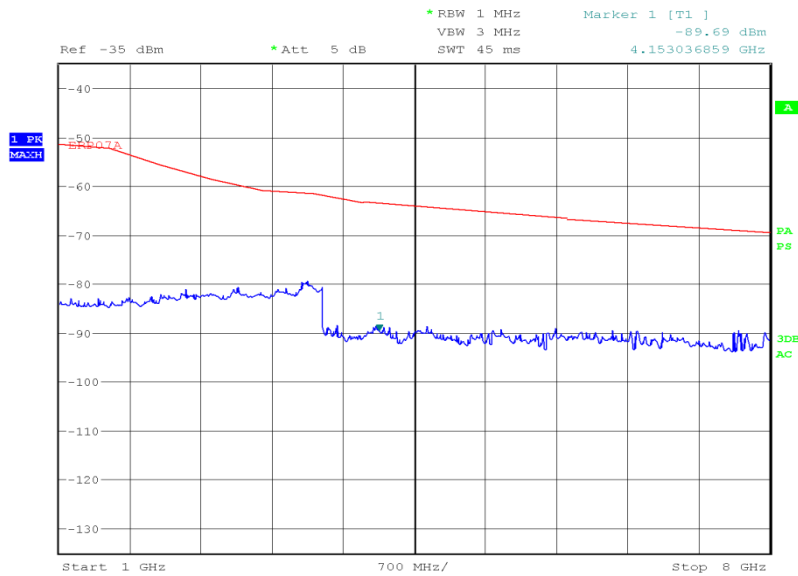


Date: 30.APR.2015 04:58:40



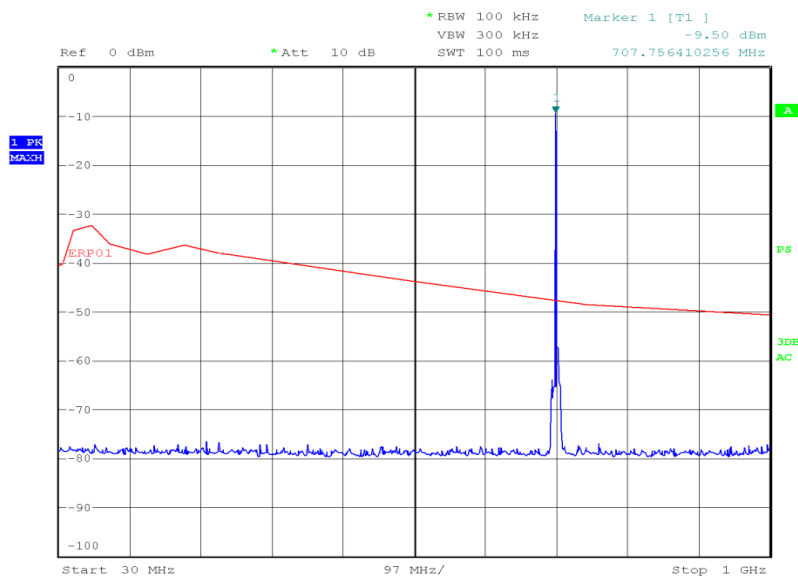
Product Service

LTE FDD 17, 706.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 22:56:19

LTE FDD 17, 710.0 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot

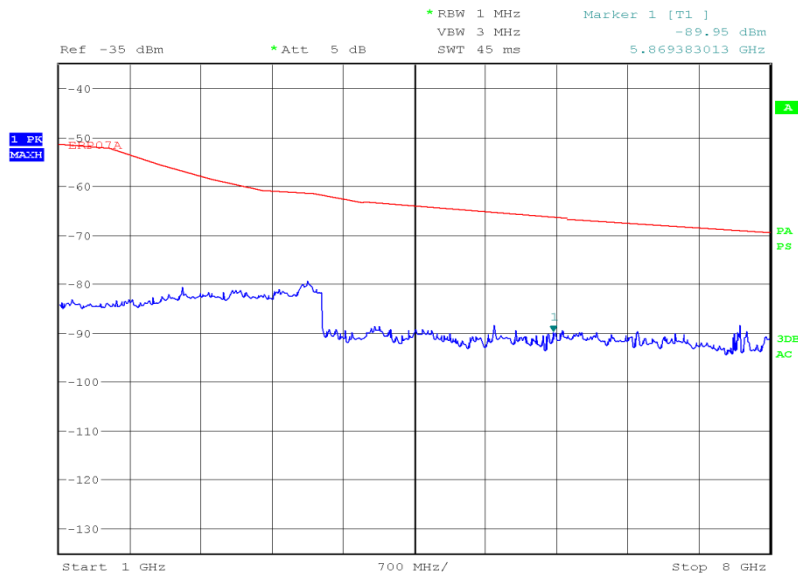


Date: 30.APR.2015 04:54:32



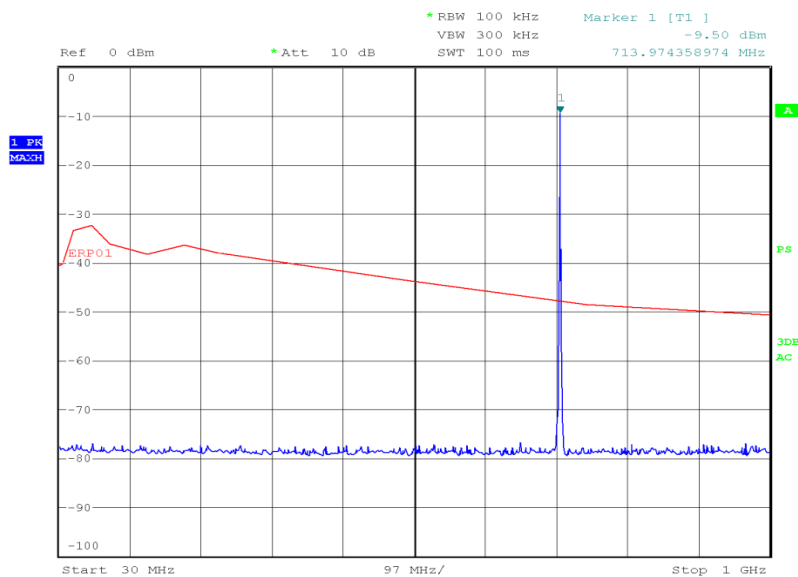
Product Service

LTE FDD 17, 706.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 22:46:56

LTE FDD 17, 713.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emission Limitations Plot

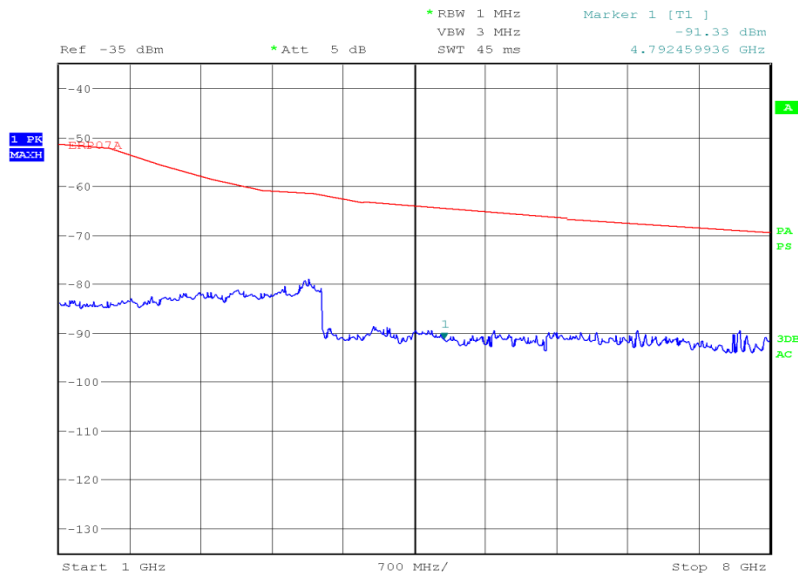


Date: 30.APR.2015 05:02:55



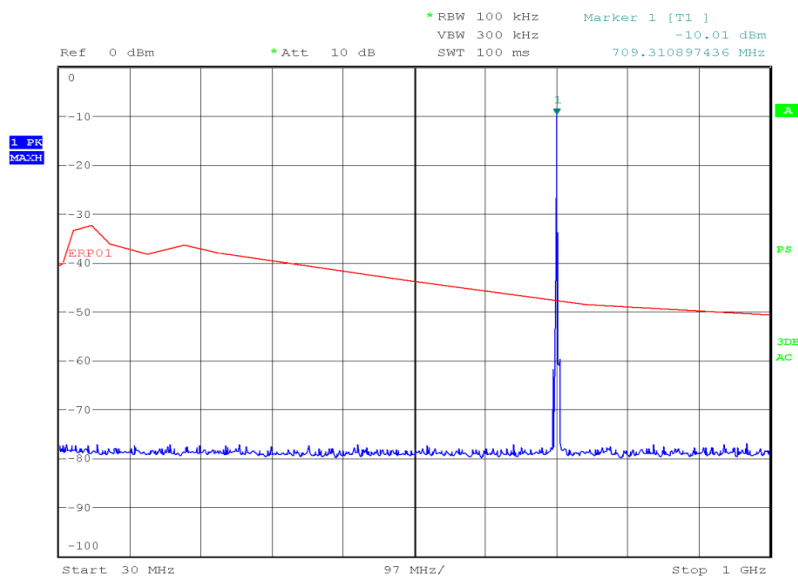
Product Service

LTE FDD 17, 713.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 22:34:09

LTE FDD 17, 709.0 MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emission Limitations Plot

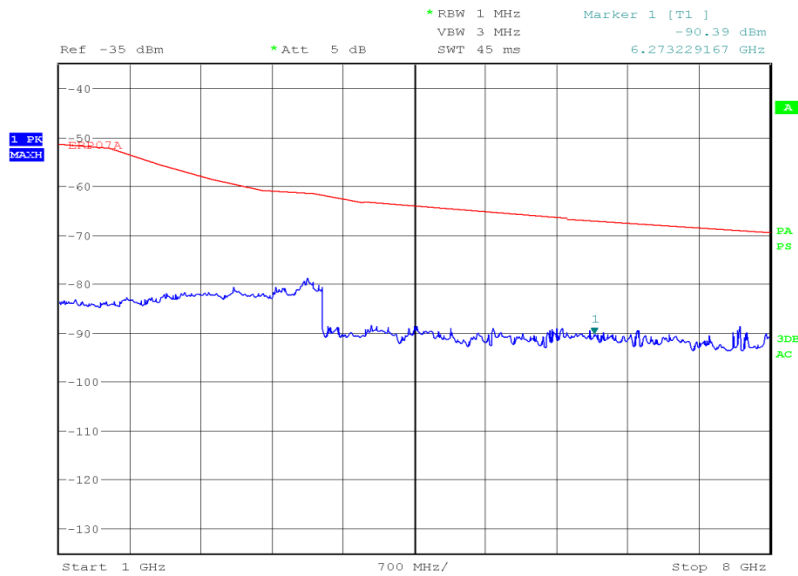


Date: 30.APR.2015 05:09:58



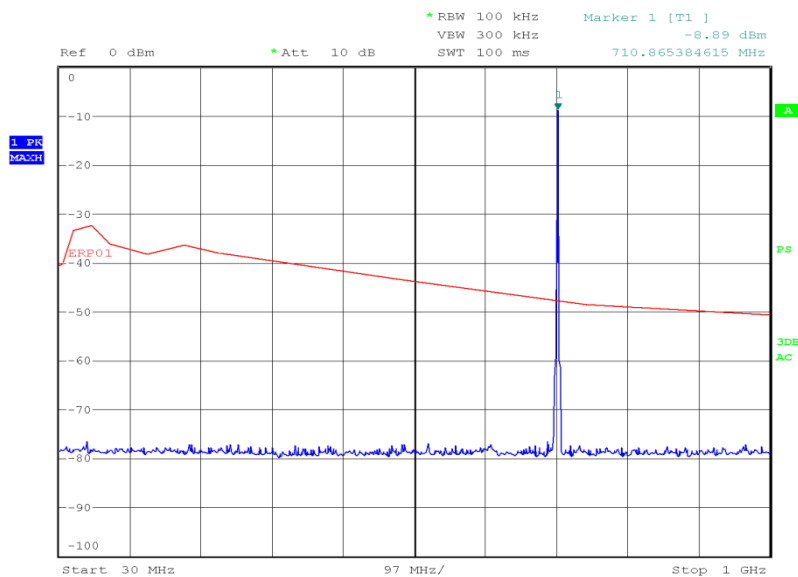
Product Service

LTE FDD 17, 709.0 MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 23:14:07

LTE FDD 17, 710.0 MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emission Limitations Plot

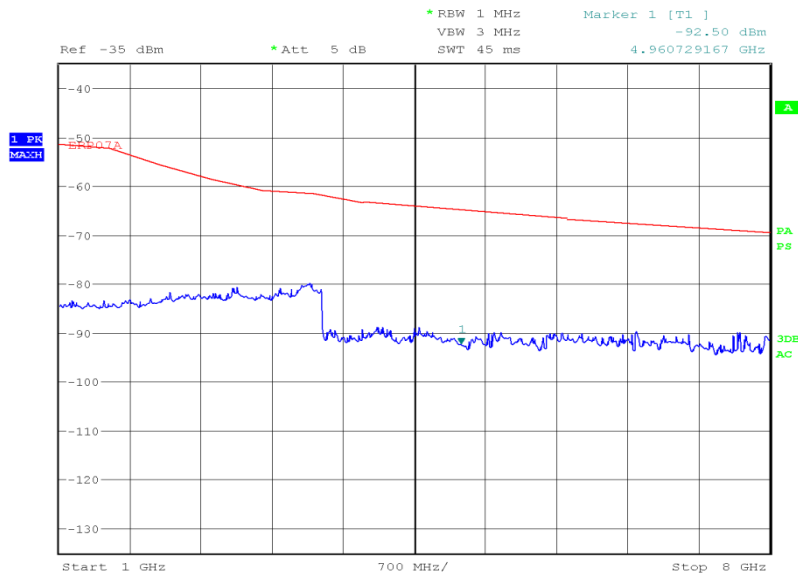


Date: 30.APR.2015 05:07:25



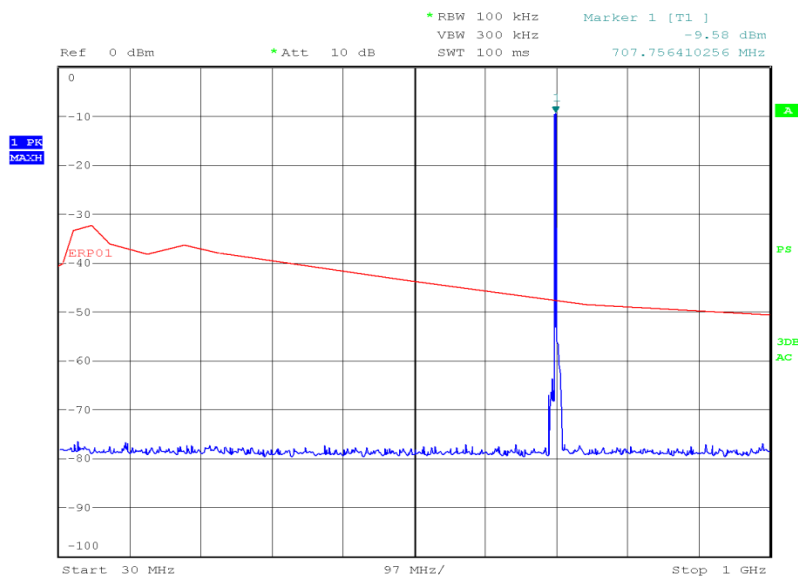
Product Service

LTE FDD 17, 710.0 MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 23:00:29

LTE FDD 17, 711.0 MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot

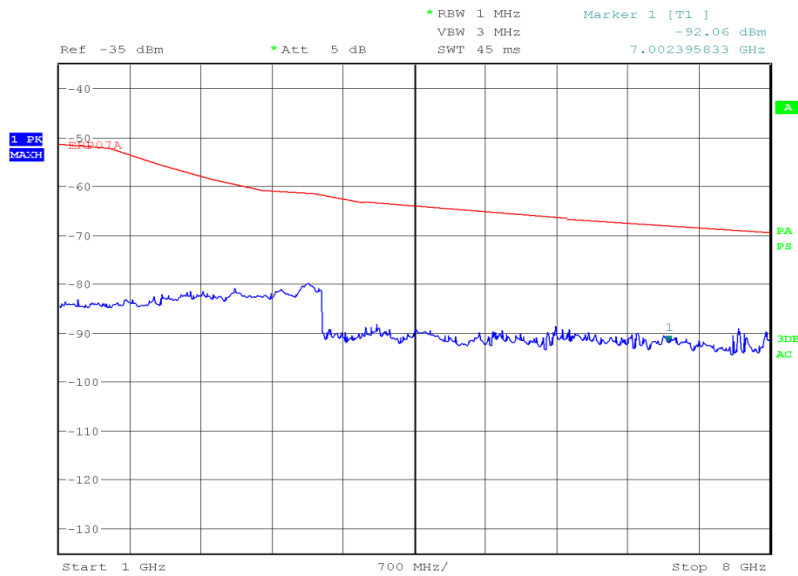


Date: 30.APR.2015 05:13:12



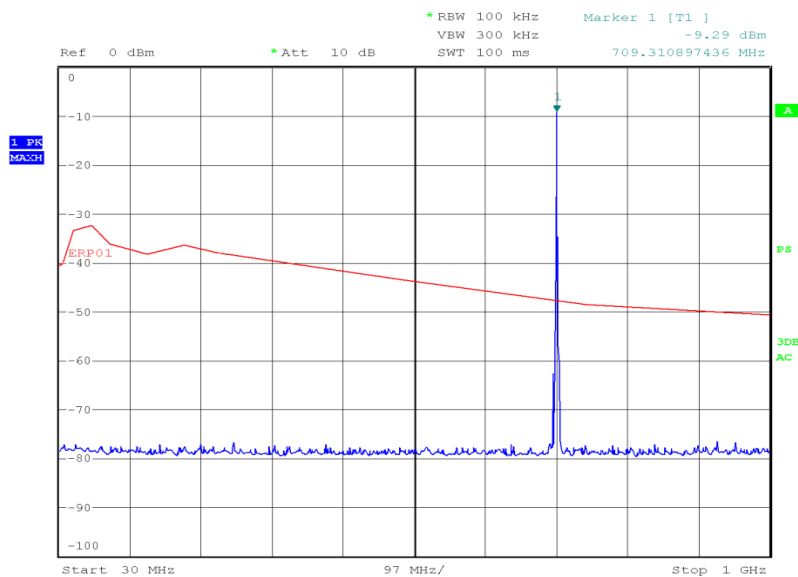
Product Service

LTE FDD 17, 711.0 MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 23:19:59

LTE FDD 17, 709.0 MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emission Limitations Plot

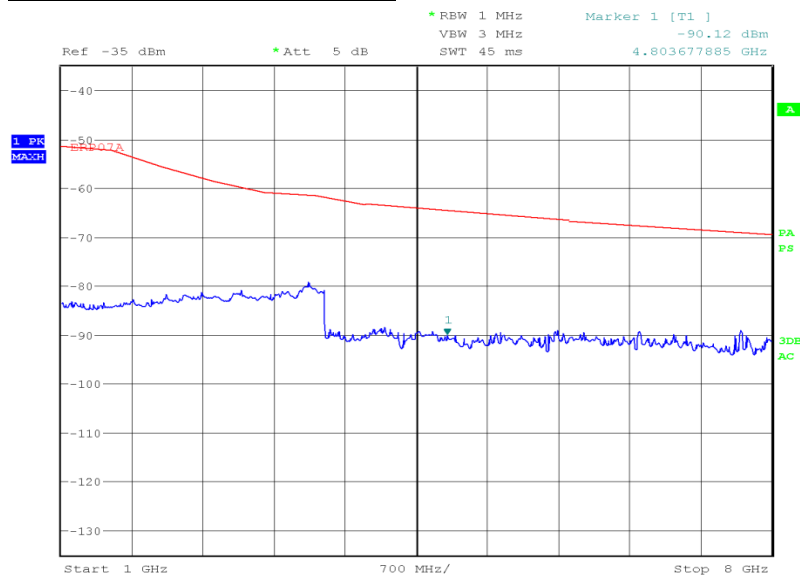


Date: 30.APR.2015 05:23:54



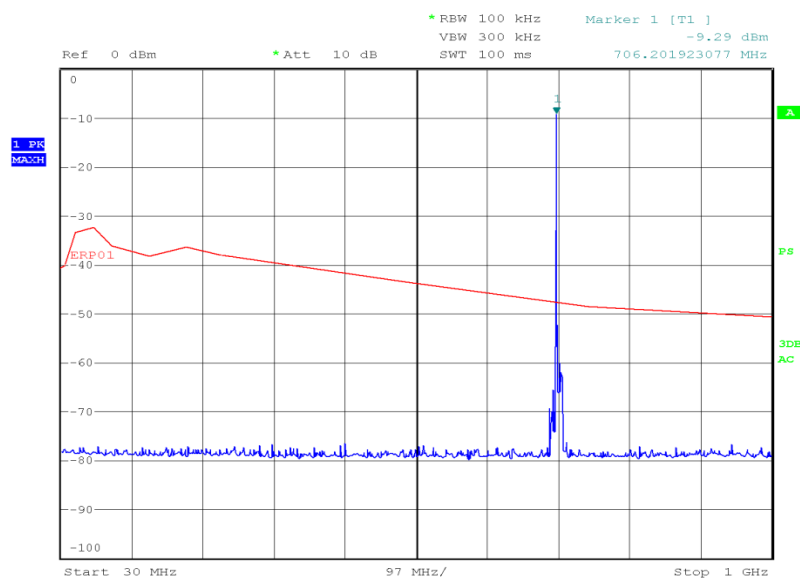
Product Service

LTE FDD 17, 709.0 MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 23:44:39

LTE FDD 17, 710.0 MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot

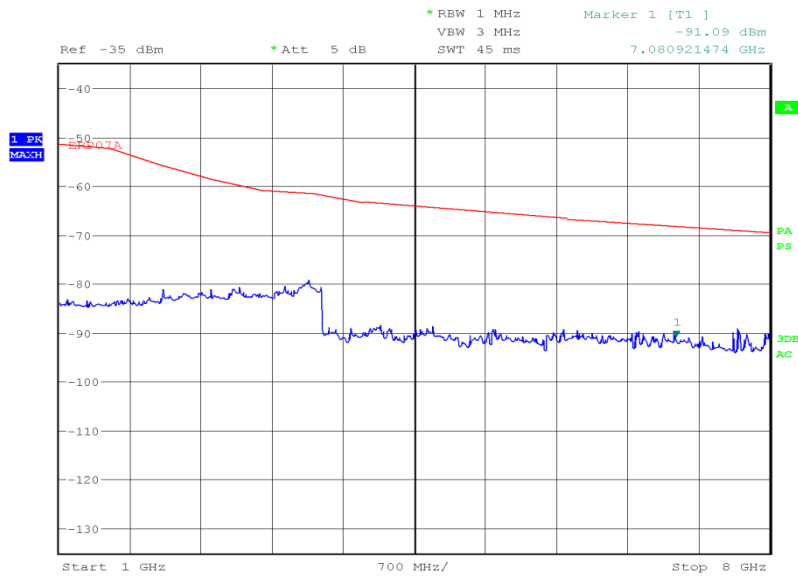


Date: 30.APR.2015 05:18:13



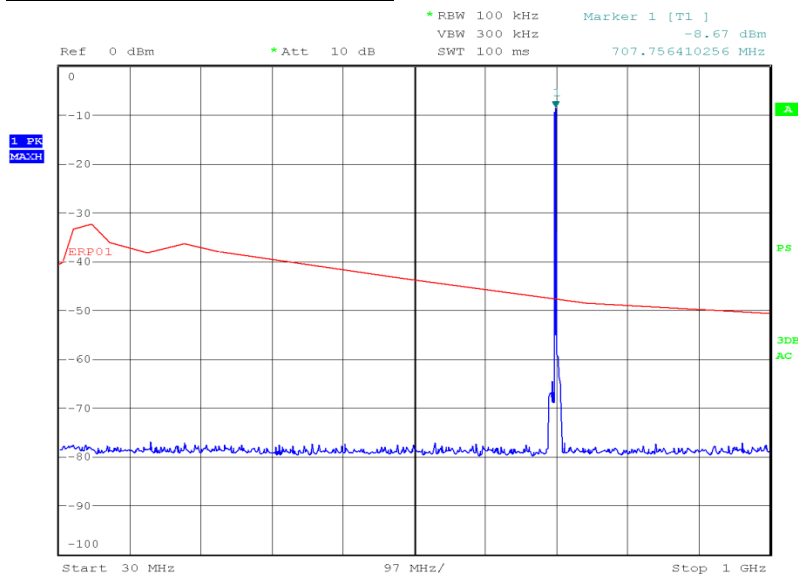
Product Service

LTE FDD 17, 710.0 MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 23:35:00

LTE FDD 17, 711.0 MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot

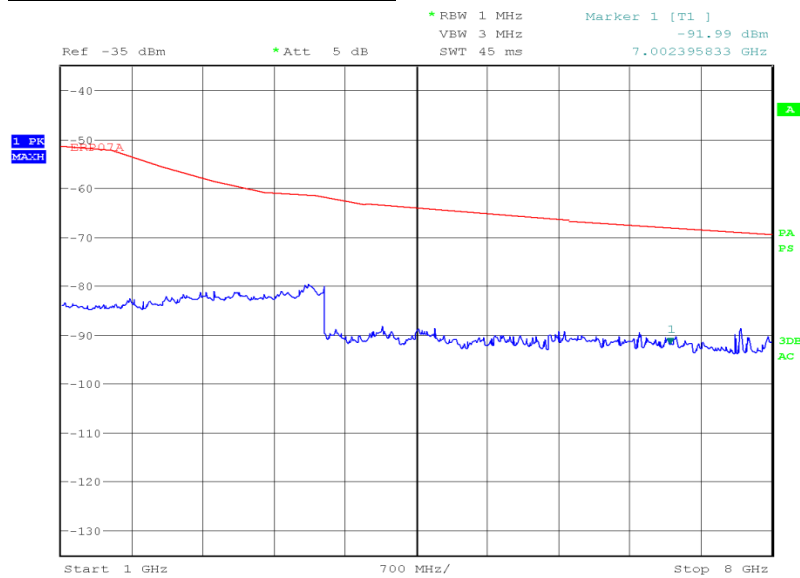


Date: 30.APR.2015 05:20:43



Product Service

LTE FDD 17, 711.0 MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 1 GHz to 8 GHz, Emission Limitations Plot



Date: 2.MAY.2015 23:27:31

FCC 47 CFR Part 27, Limit Clause 27.53 (g)

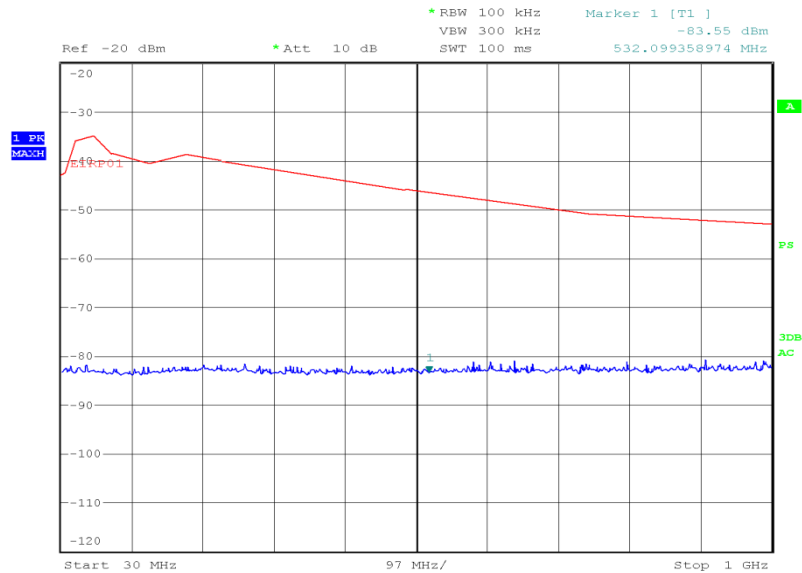
43 + 10log(P) or -13dBm



Product Service

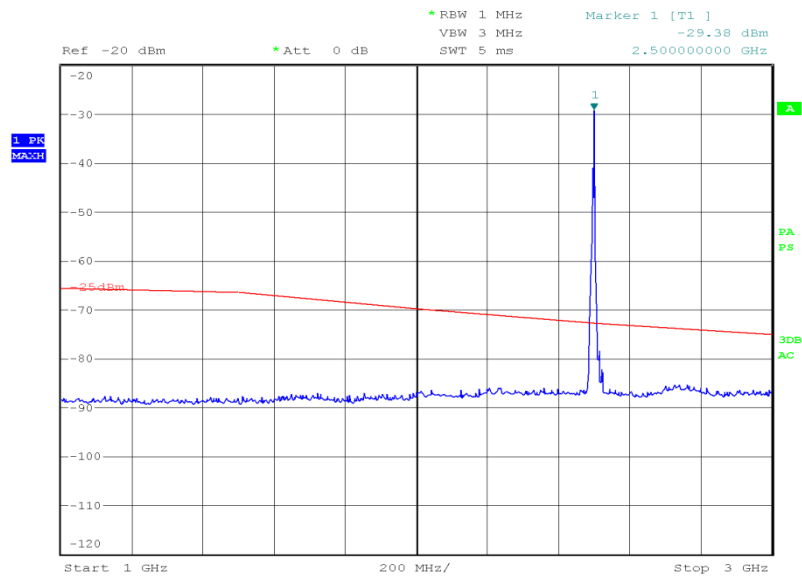
4.0 V DC Supply

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emission Limitations Plot



Date: 1.MAY.2015 04:16:49

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 1 GHz to 3 GHz, Emission Limitations Plot

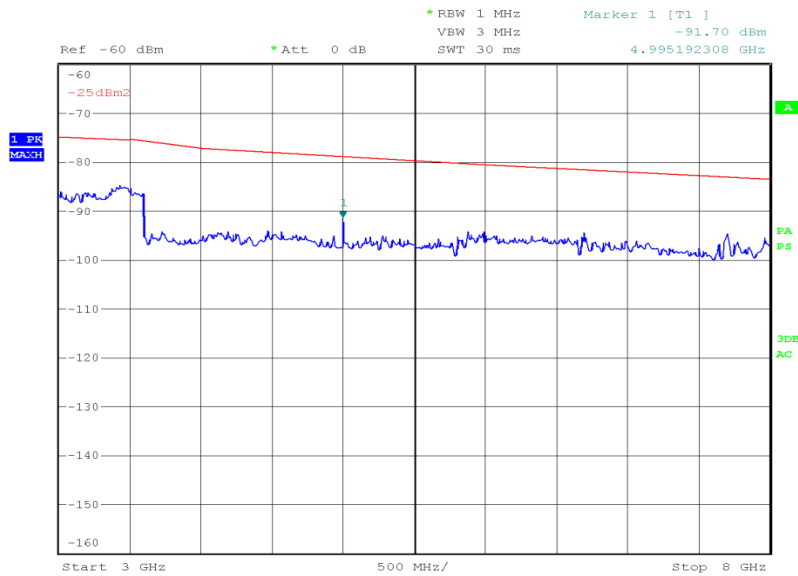


Date: 21.MAY.2015 19:08:16



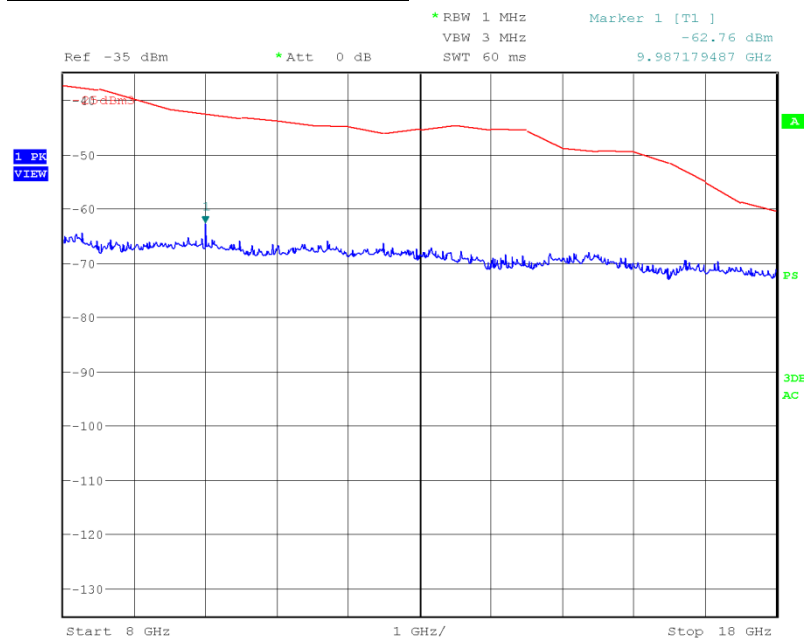
Product Service

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 23:52:11

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 8 GHz to 18 GHz, Emisison Limitations Plot

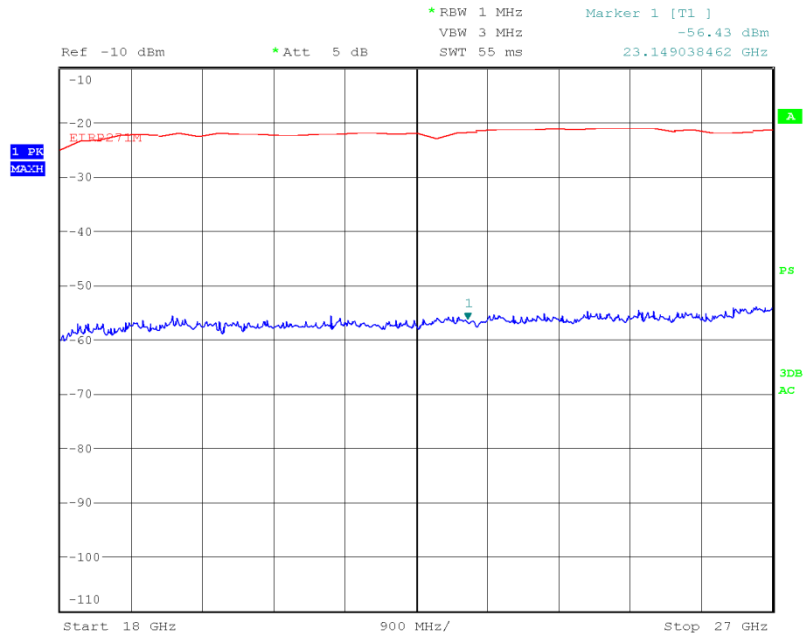


Date: 22.MAY.2015 00:53:24



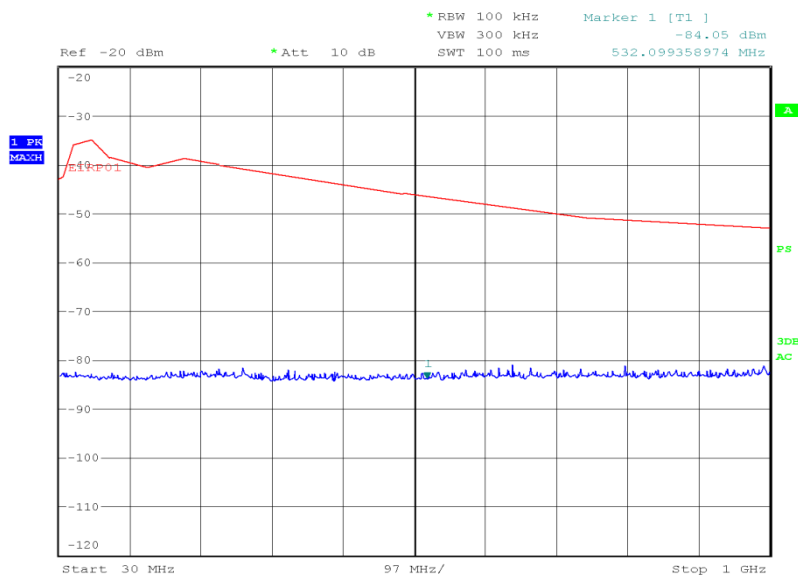
Product Service

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 18 GHz to 27 GHz, Emisison Limitations Plot



Date: 17.MAY.2015 02:31:06

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emisison Limitations Plot

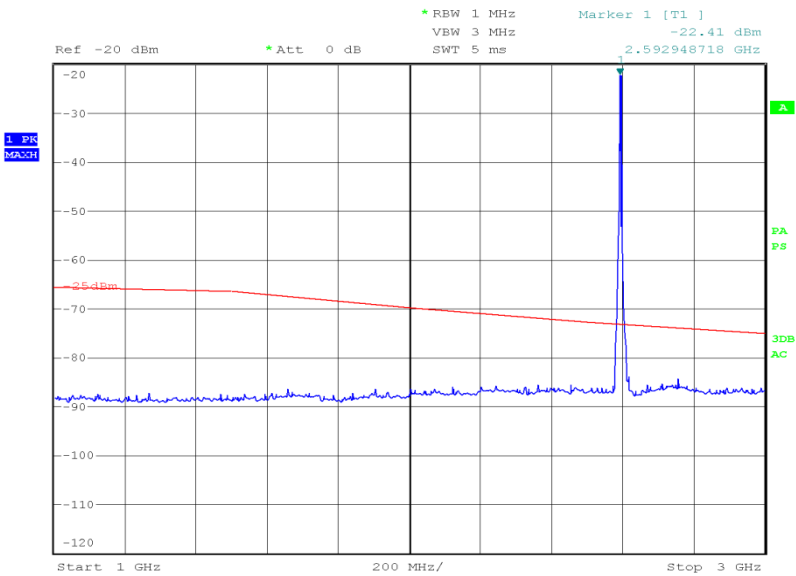


Date: 1.MAY.2015 04:09:42



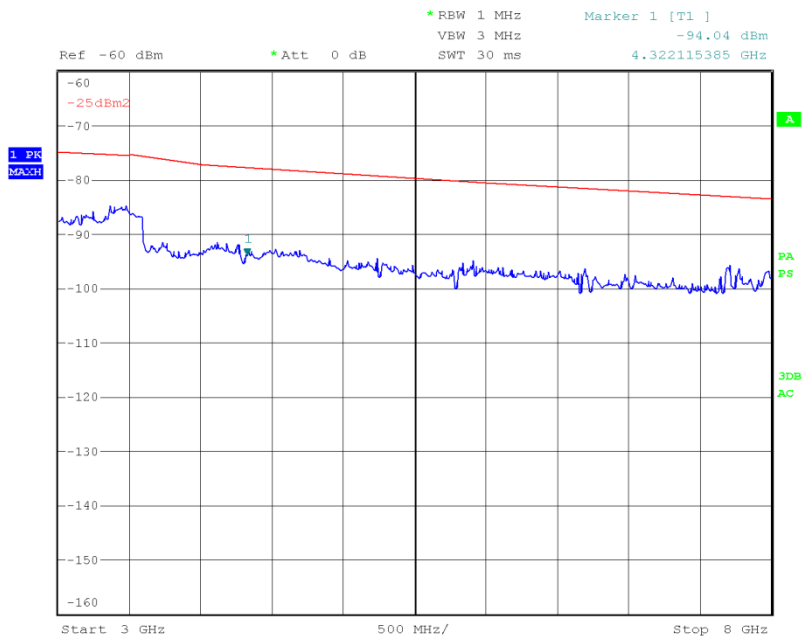
Product Service

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 1 GHz to 3 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 19:01:07

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 3 GHz to 8 GHz, Emisison Limitations Plot

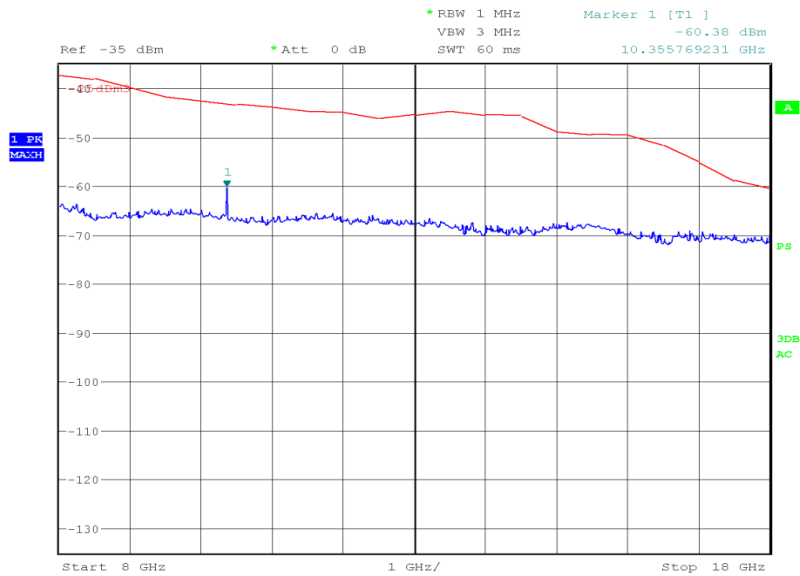


Date: 21.MAY.2015 23:33:25



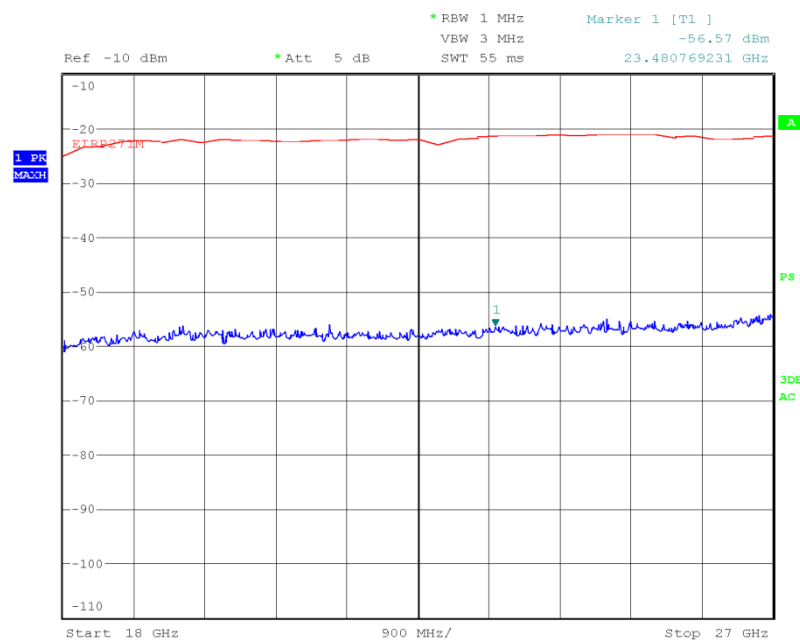
Product Service

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 8 GHz to 18 GHz, Emisison Limitations Plot



Date: 22.MAY.2015 00:44:05

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 18 GHz to 27 GHz, Emisison Limitations Plot

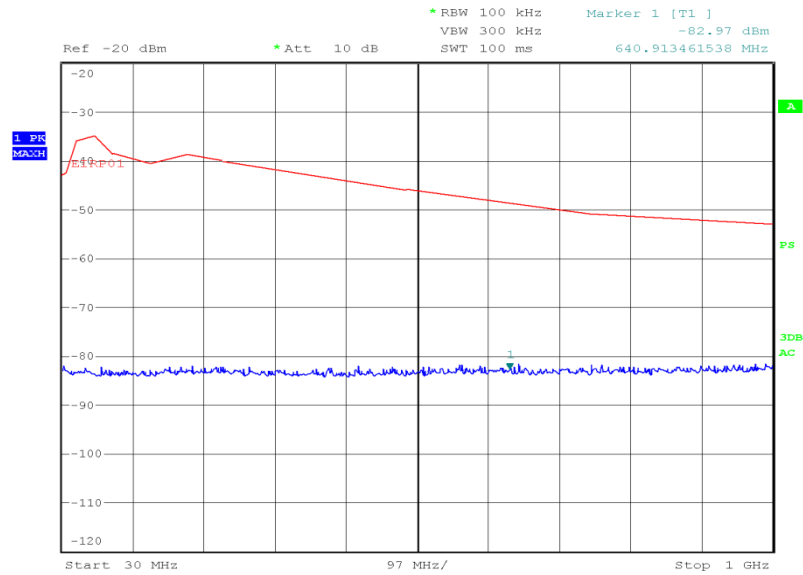


Date: 17.MAY.2015 02:23:03



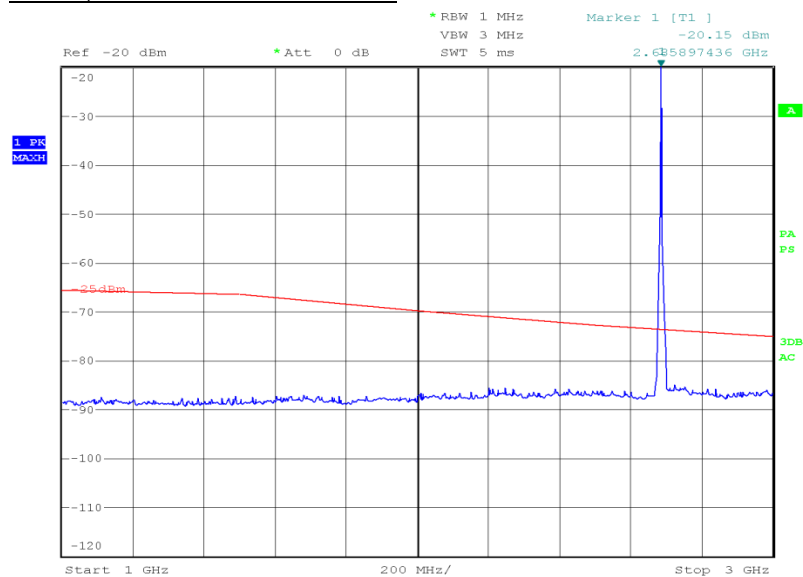
Product Service

LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot



Date: 1.MAY.2015 04:23:10

LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 1 GHz to 3 GHz, Emission Limitations Plot

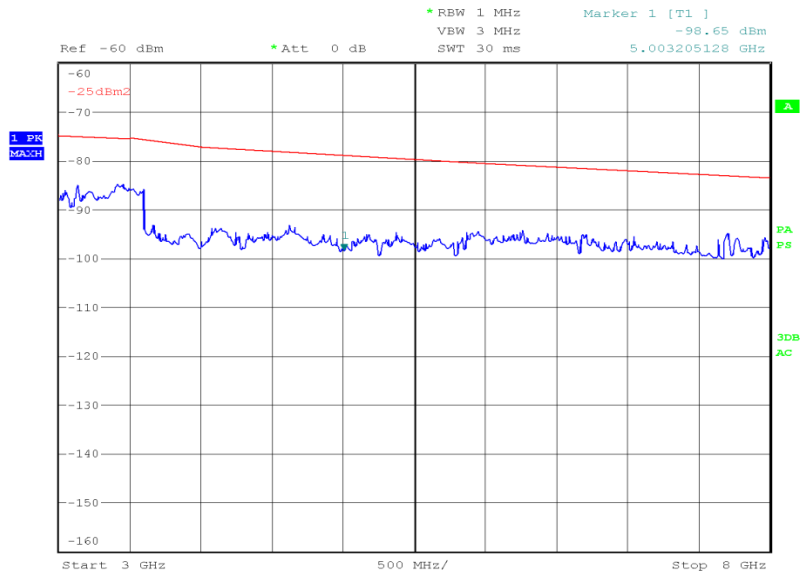


Date: 21.MAY.2015 19:12:55



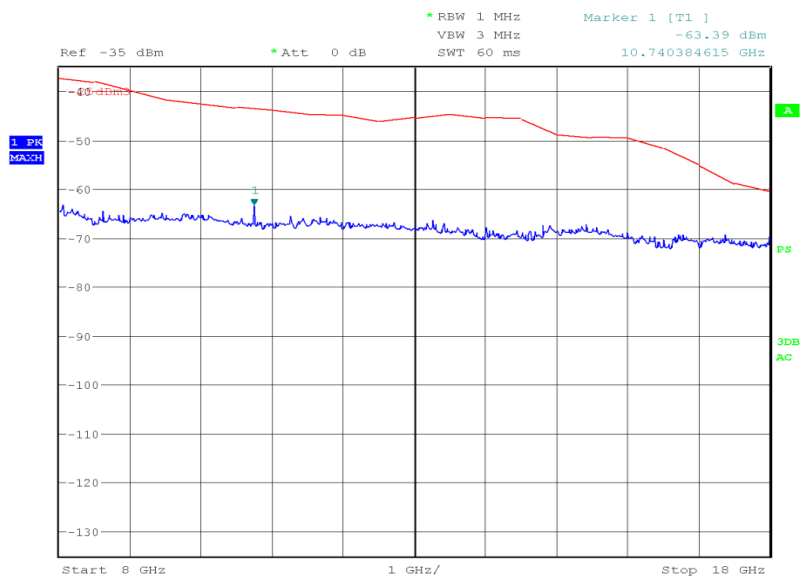
Product Service

LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 3 GHz to 8 GHz, Emission Limitations Plot



Date: 22.MAY.2015 00:04:48

LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 8 GHz to 18 GHz, Emission Limitations Plot

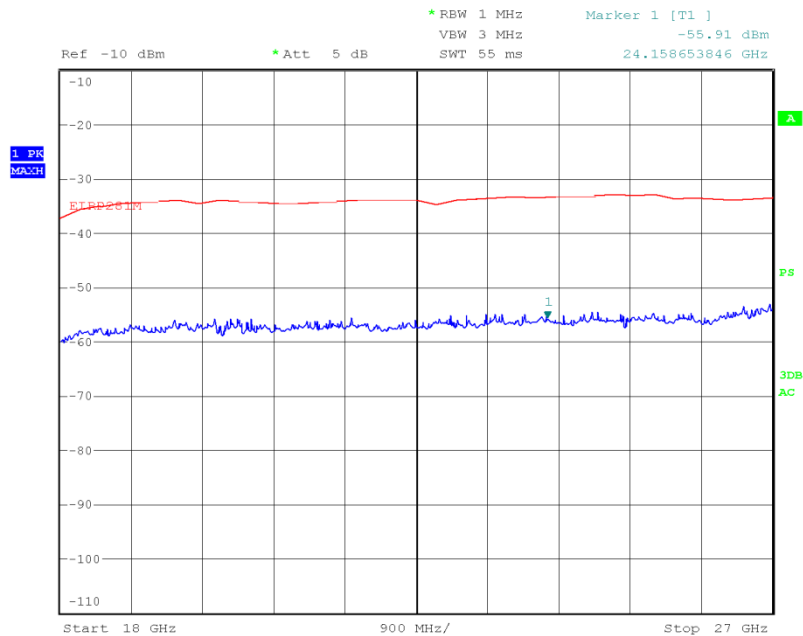


Date: 22.MAY.2015 00:56:24



Product Service

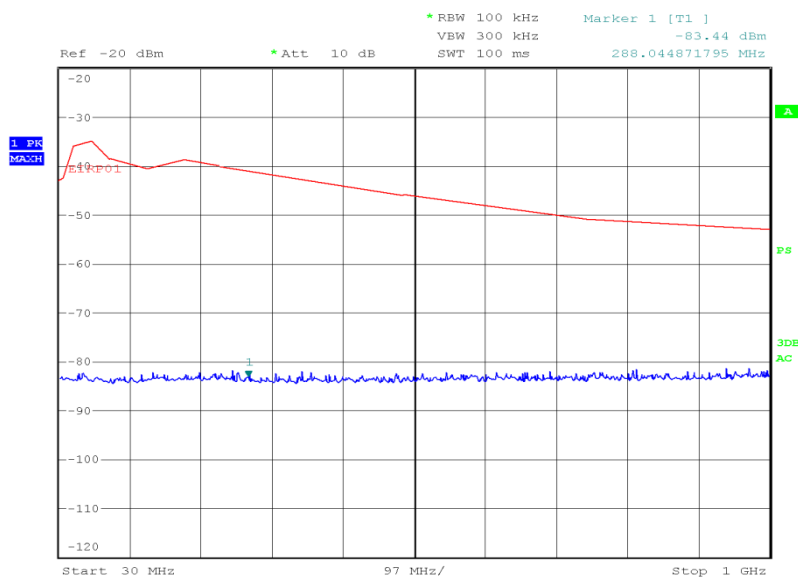
LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 18 GHz to 27 GHz, Emisison Limitations Plot



Date: 17.MAY.2015 02:34:47

The limit line on the above plot is -25 dBm.

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 30 MHz to 1 GHz, Emisison Limitations Plot

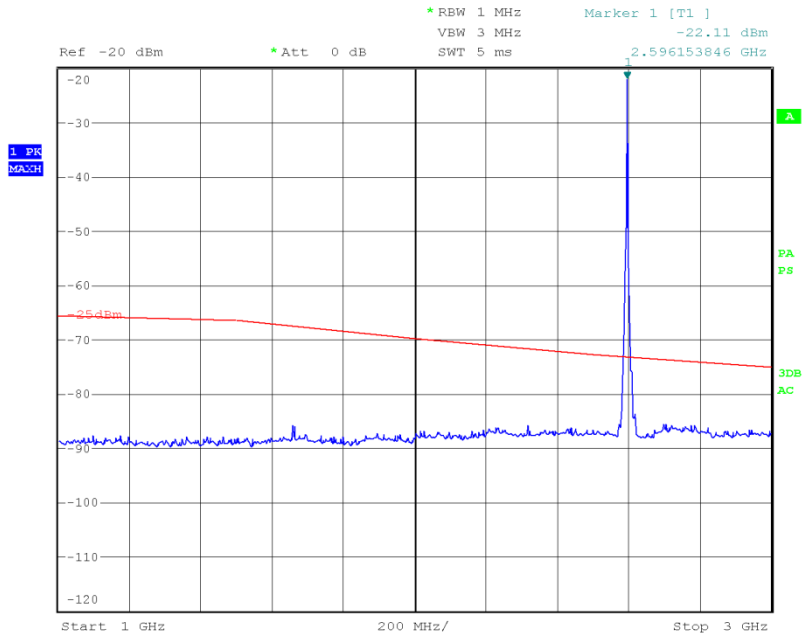


Date: 1.MAY.2015 04:35:24



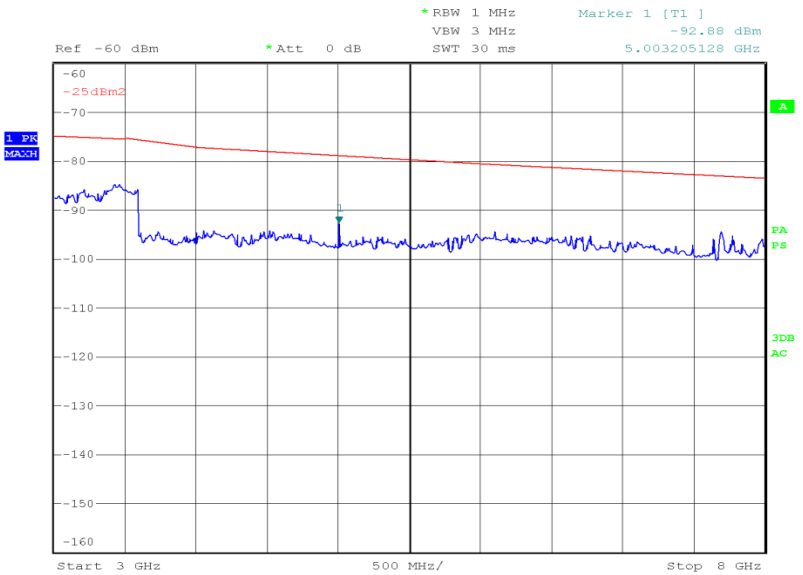
Product Service

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 1 GHz to 3 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 19:02:42

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 3 GHz to 8 GHz, Emisison Limitations Plot

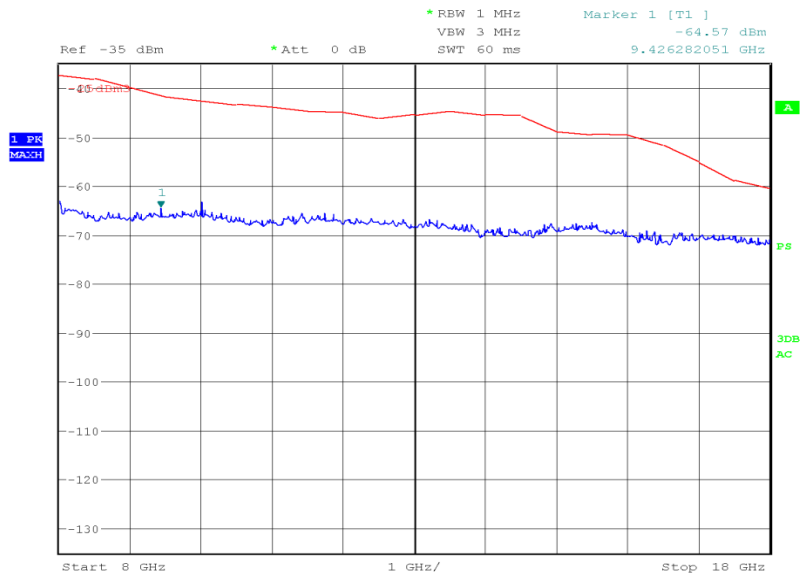


Date: 21.MAY.2015 23:56:00



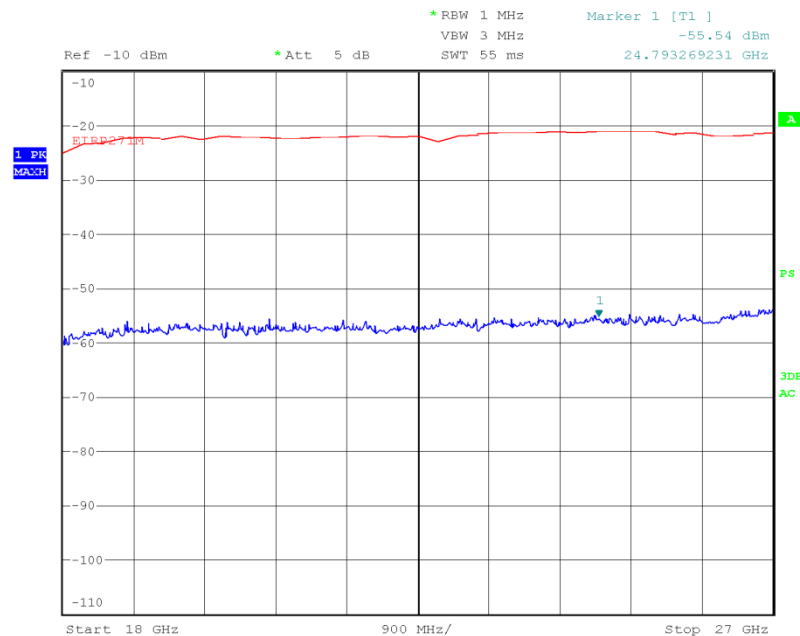
Product Service

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 8 GHz to 18 GHz, Emisison Limitations Plot



Date: 22.MAY.2015 00:50:29

LTE TDD 41, 2498.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 18 GHz to 27 GHz, Emisison Limitations Plot

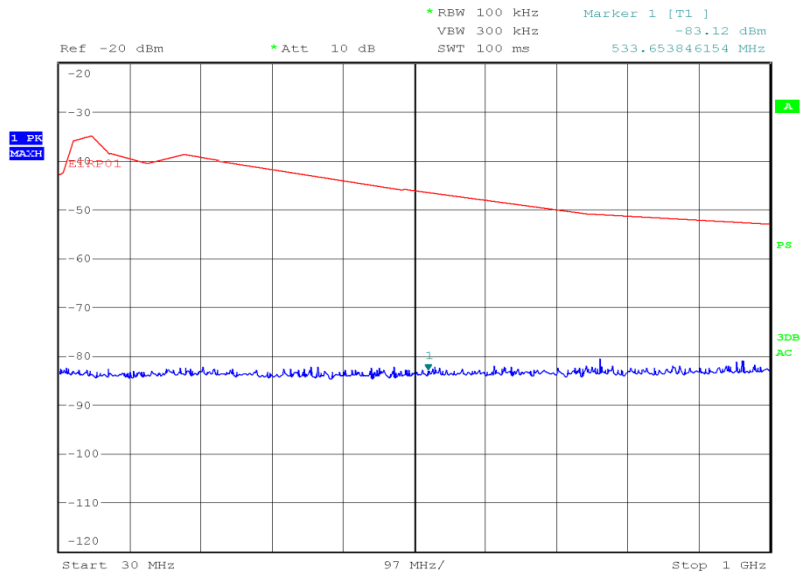


Date: 17.MAY.2015 02:27:22



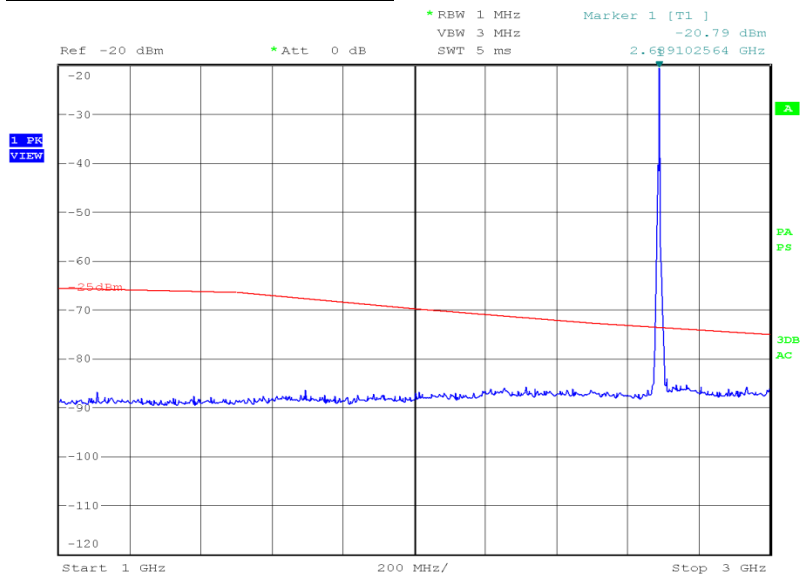
Product Service

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 30 MHz to 1 GHz, Emission Limitations Plot



Date: 1.MAY.2015 04:31:39

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 1 GHz to 3 GHz, Emission Limitations Plot

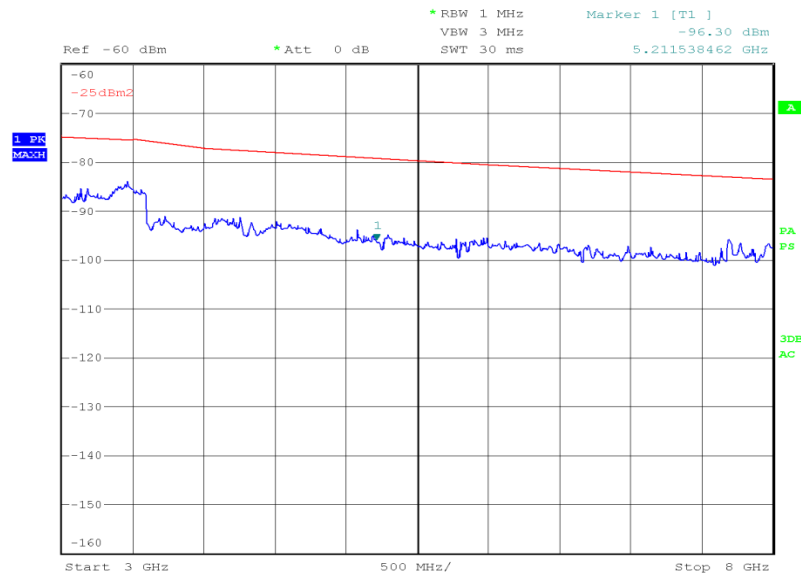


Date: 21.MAY.2015 19:15:17



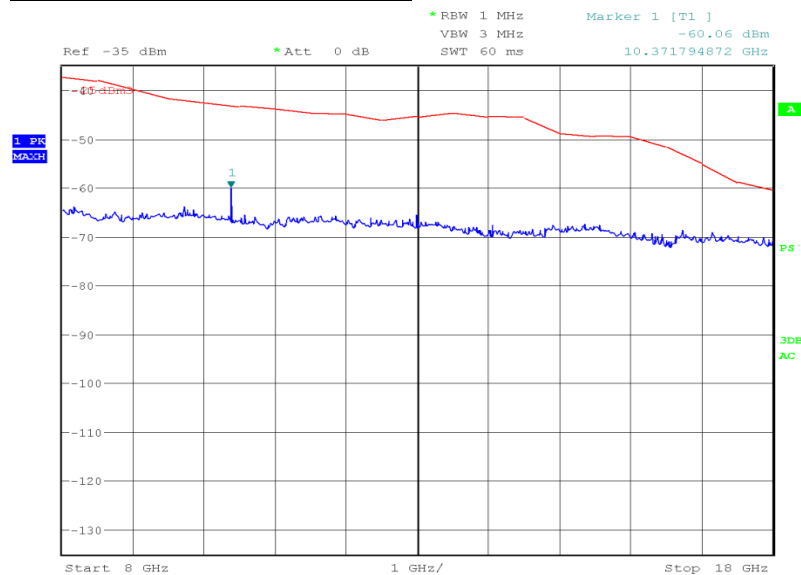
Product Service

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 3 GHz to 8 GHz, Emission Limitations Plot



Date: 21.MAY.2015 23:39:14

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 8 GHz to 18 GHz, Emission Limitations Plot

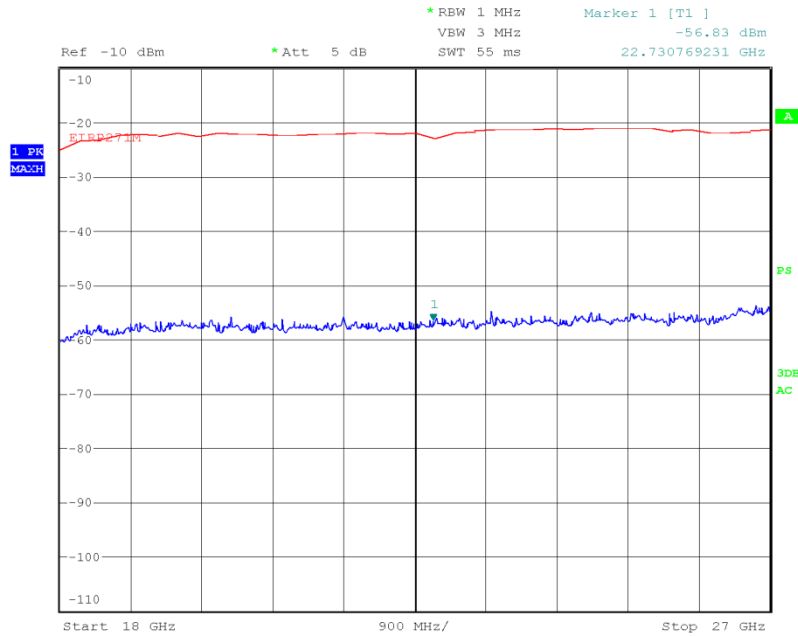


Date: 22.MAY.2015 00:48:11



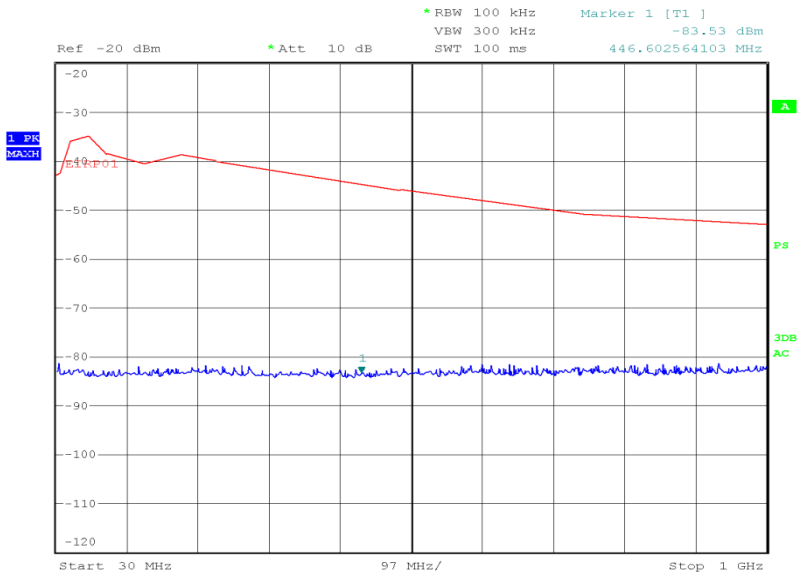
Product Service

LTE TDD 41, 2593.0 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 18 GHz to 27 GHz, Emisison Limitations Plot



Date: 17.MAY.2015 02:24:27

LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emisison Limitations Plot

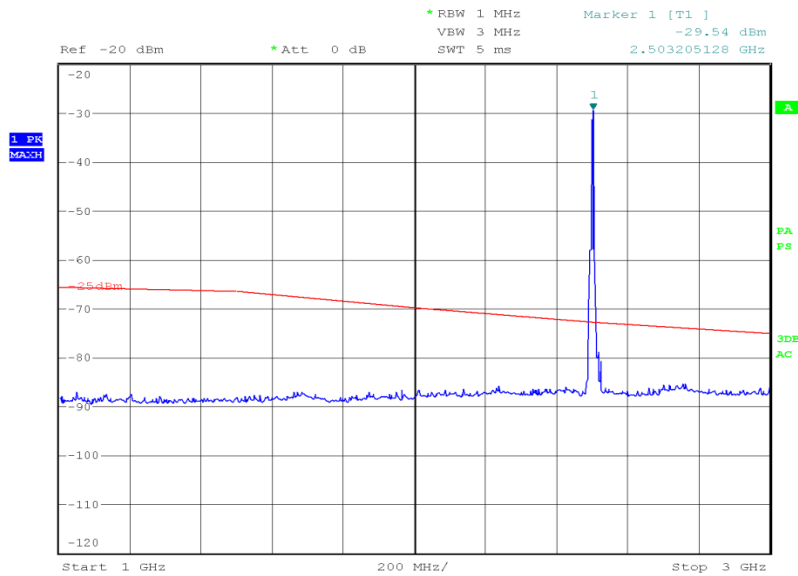


Date: 1.MAY.2015 04:28:19



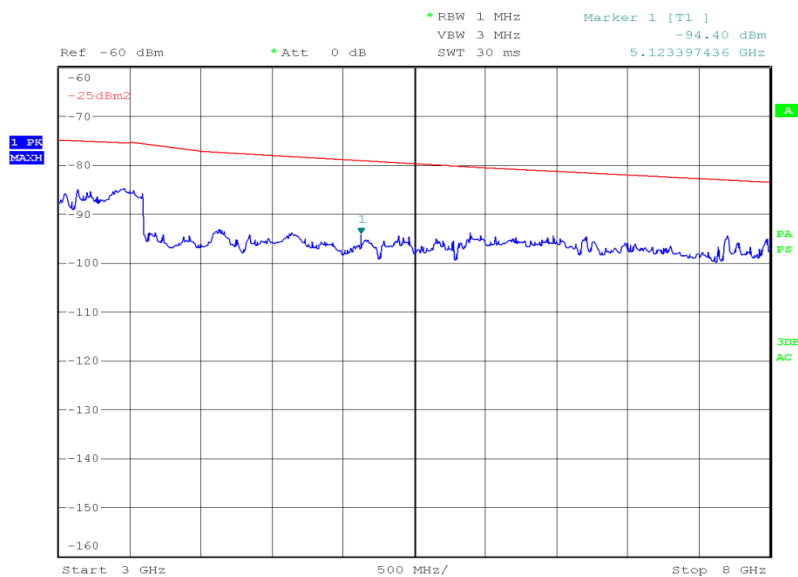
Product Service

LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 1 GHz to 3 GHz, Emission Limitations Plot



Date: 21.MAY.2015 19:05:16

LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 3 GHz to 8 GHz, Emission Limitations Plot

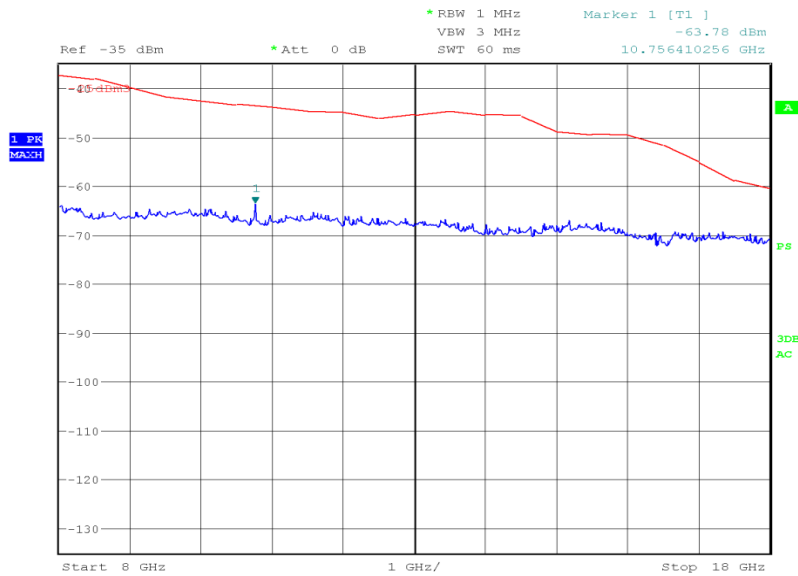


Date: 22.MAY.2015 00:11:53



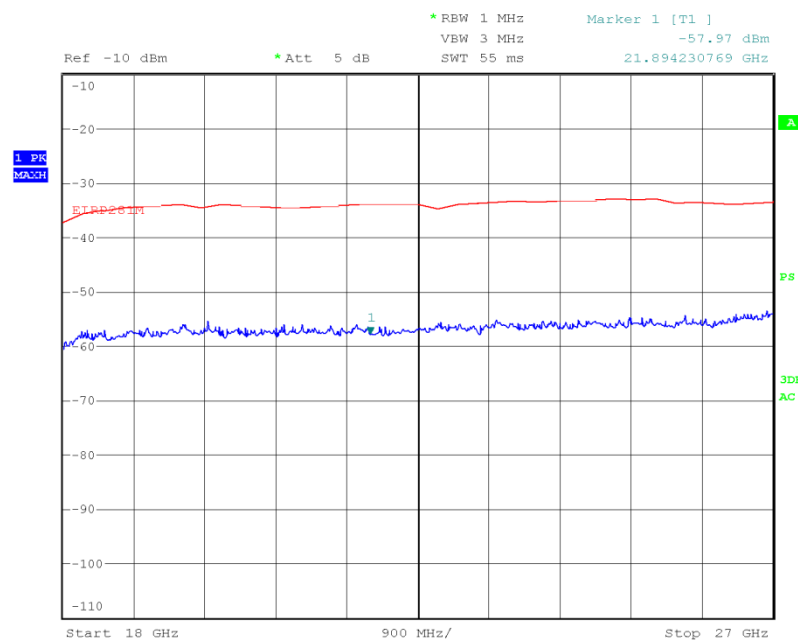
Product Service

LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 8 GHz to 18 GHz, Emission Limitations Plot



Date: 22.MAY.2015 01:00:34

LTE TDD 41, 2687.5 MHz, 5.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 18 GHz to 27 GHz, Emission Limitations Plot



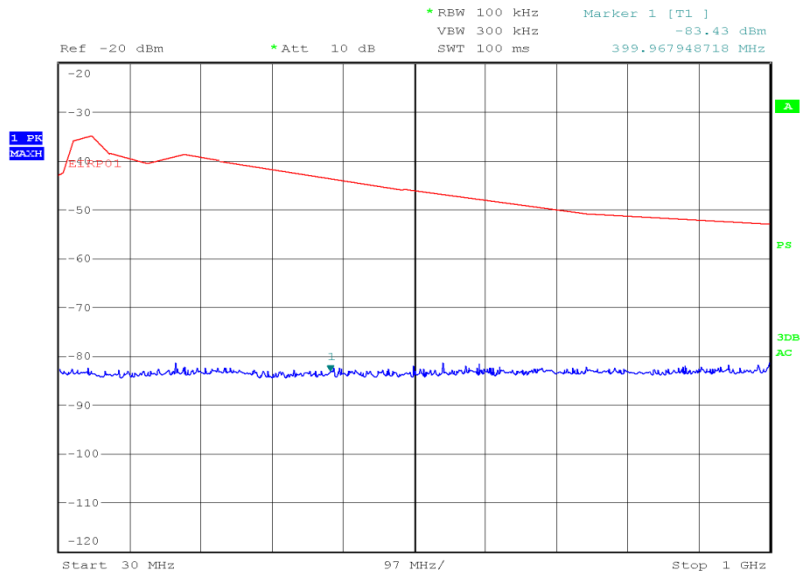
Date: 17.MAY.2015 02:38:11

The limit line on the above plot is -25 dBm.



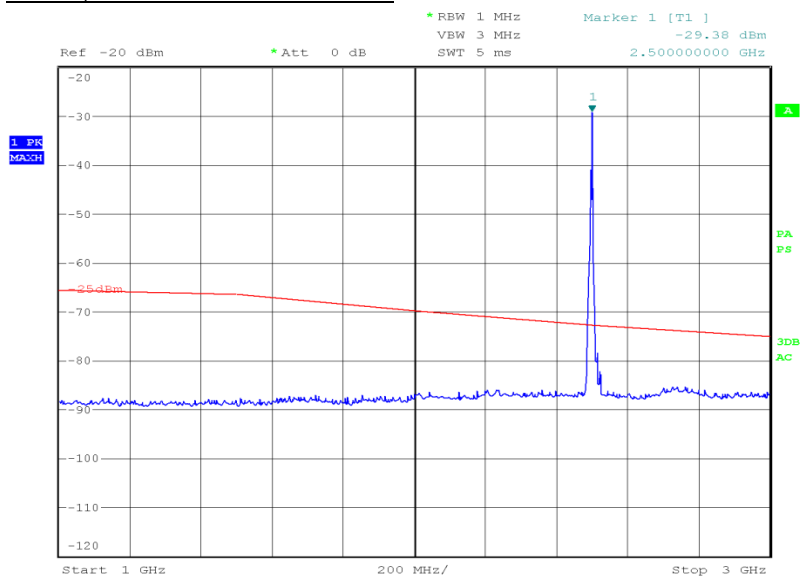
Product Service

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emission Limitations Plot



Date: 1.MAY.2015 04:43:45

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 1 GHz to 3 GHz, Emission Limitations Plot

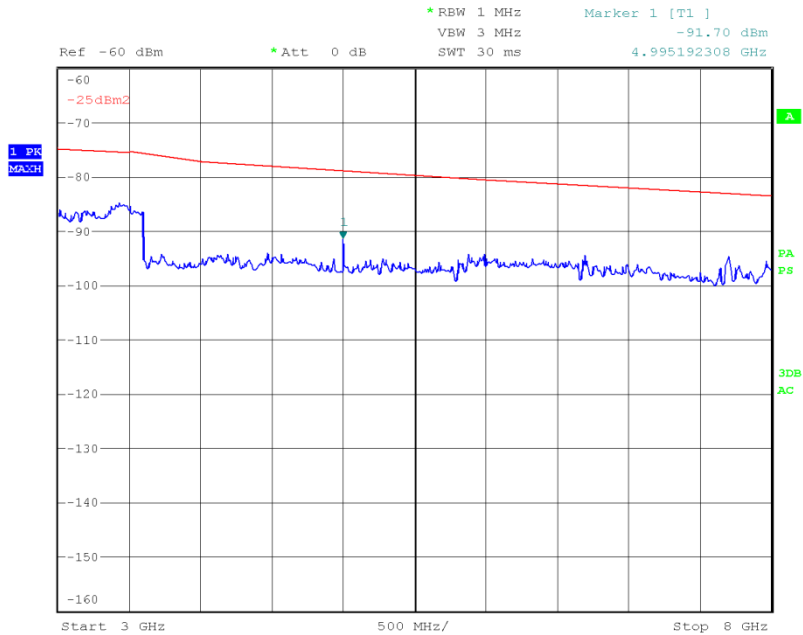


Date: 21.MAY.2015 19:08:16



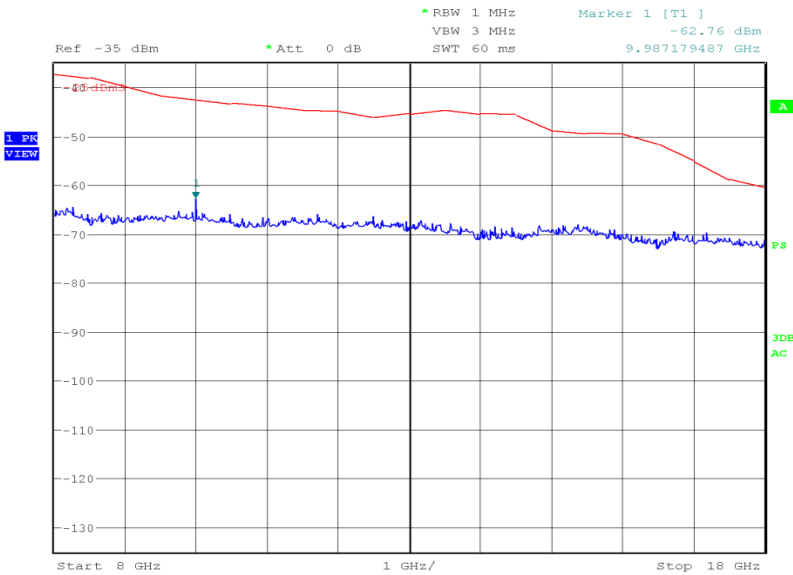
Product Service

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 23:52:11

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 8 GHz to 18 GHz, Emisison Limitations Plot

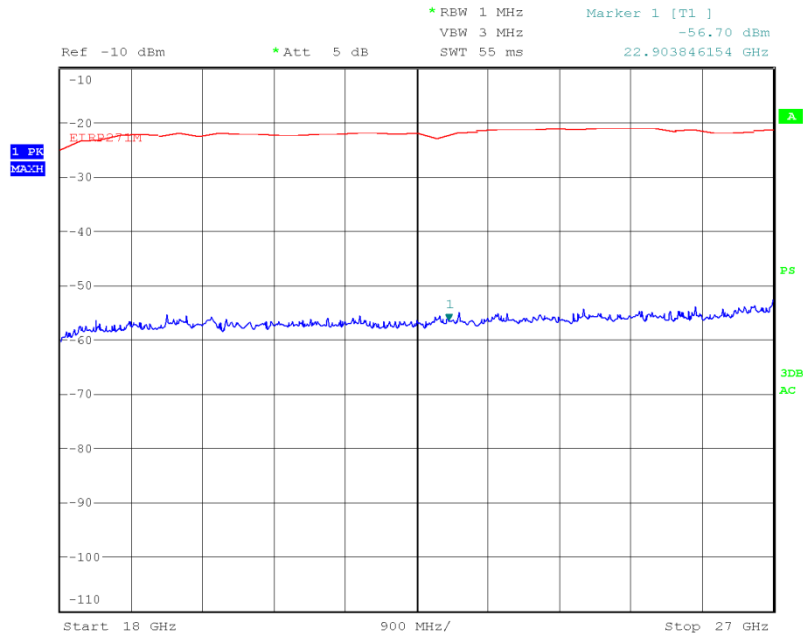


Date: 22.MAY.2015 00:53:24



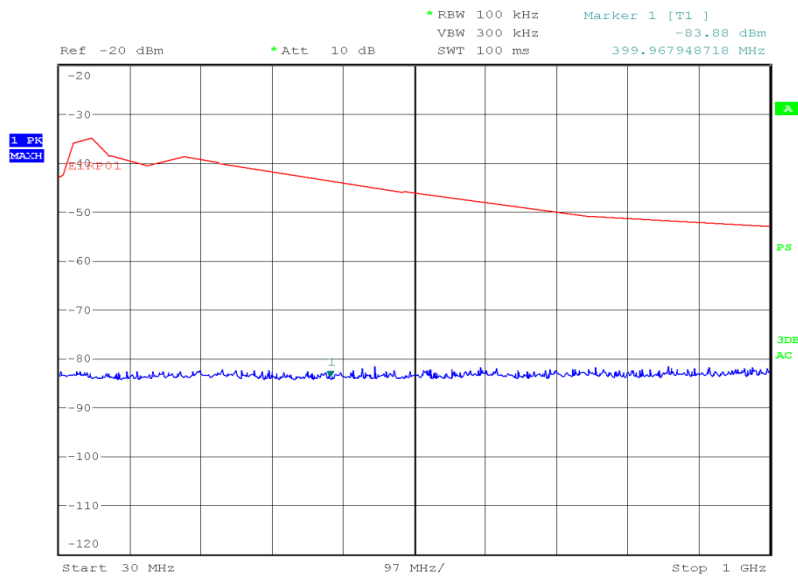
Product Service

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 18 GHz to 27 GHz, Emisison Limitations Plot



Date: 17.MAY.2015 02:49:49

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emisison Limitations Plot

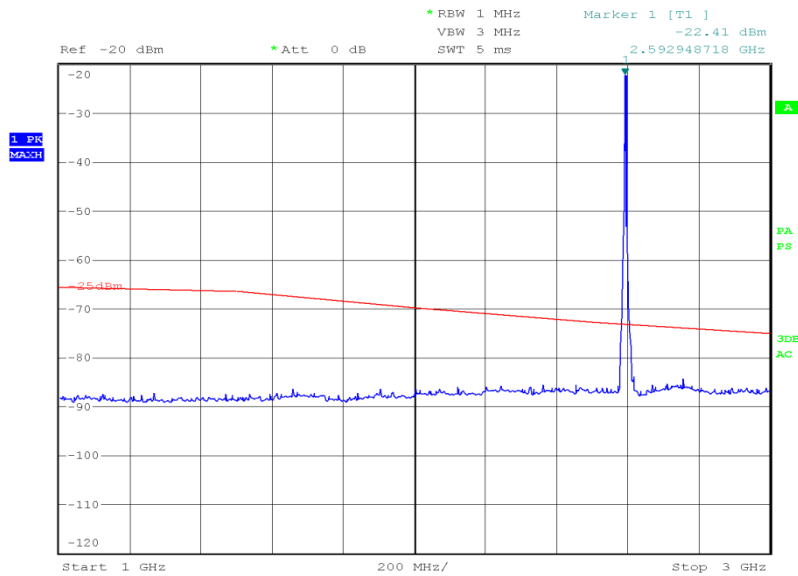


Date: 1.MAY.2015 04:40:07



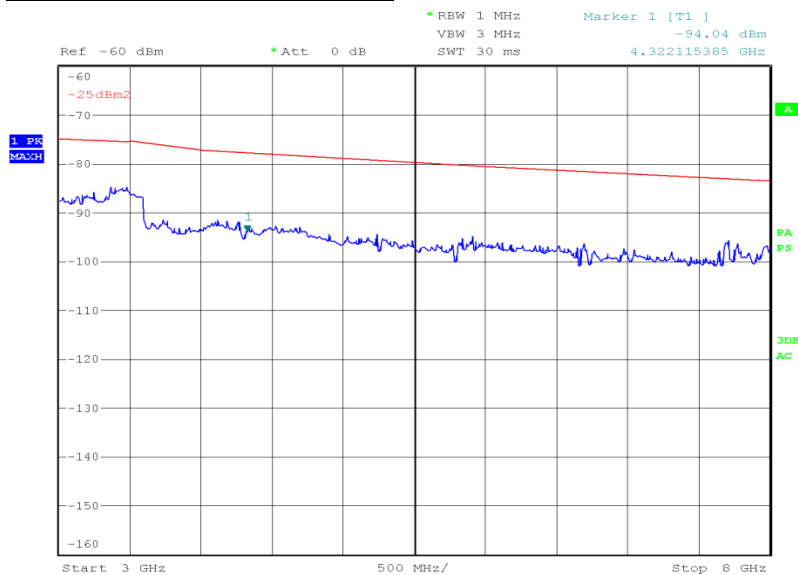
Product Service

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 1 GHz to 3 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 19:01:07

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 3 GHz to 8 GHz, Emisison Limitations Plot

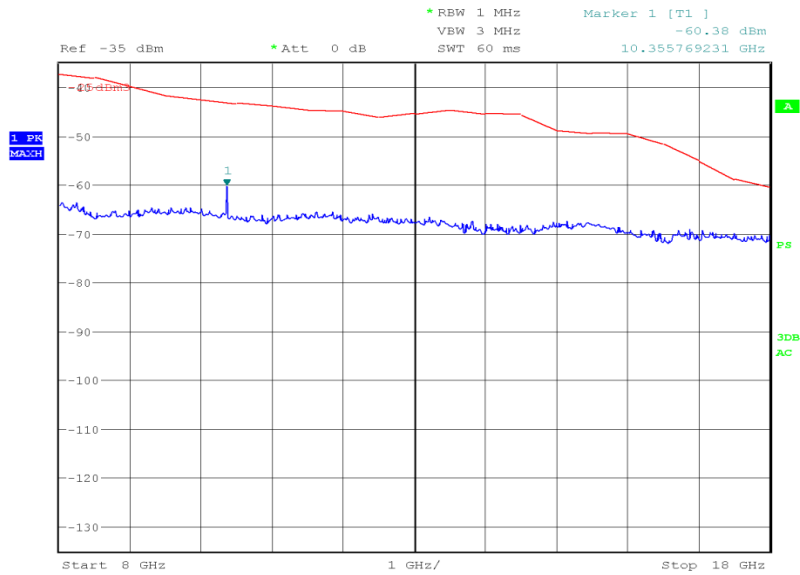


Date: 21.MAY.2015 23:33:25



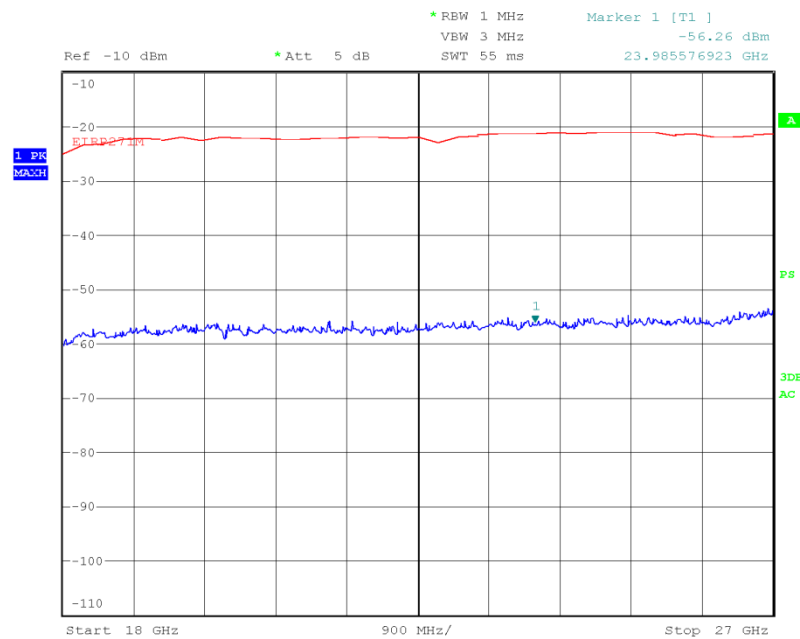
Product Service

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 8 GHz to 18 GHz, Emisison Limitations Plot



Date: 22.MAY.2015 00:44:05

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Mid, 18 GHz to 27 GHz, Emisison Limitations Plot

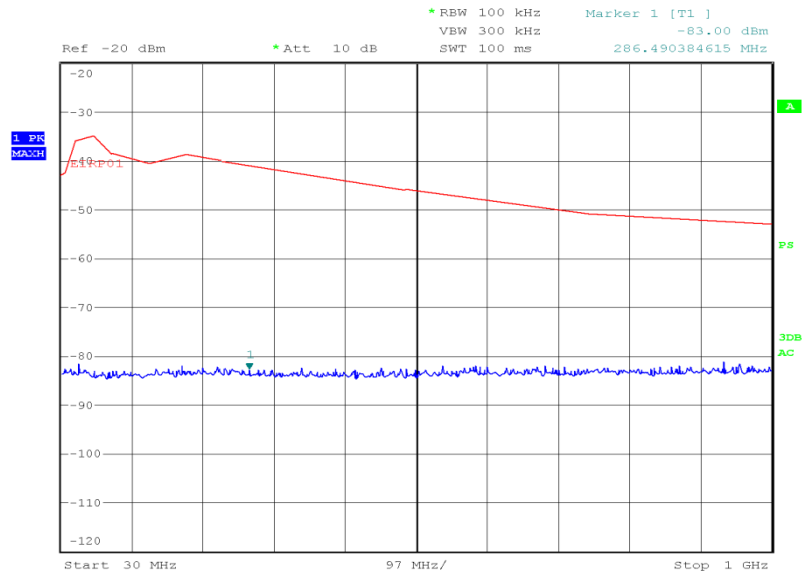


Date: 17.MAY.2015 02:40:29



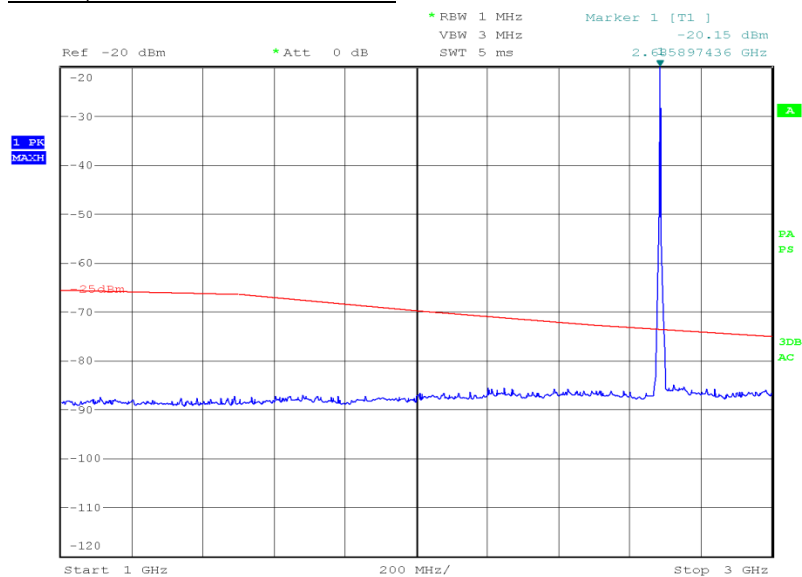
Product Service

LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot



Date: 1.MAY.2015 04:46:55

LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 1 GHz to 3 GHz, Emission Limitations Plot

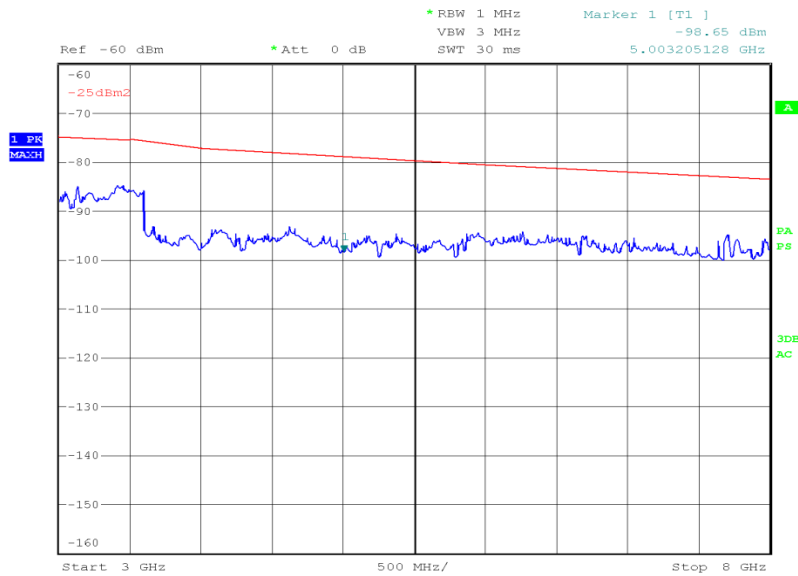


Date: 21.MAY.2015 19:12:55



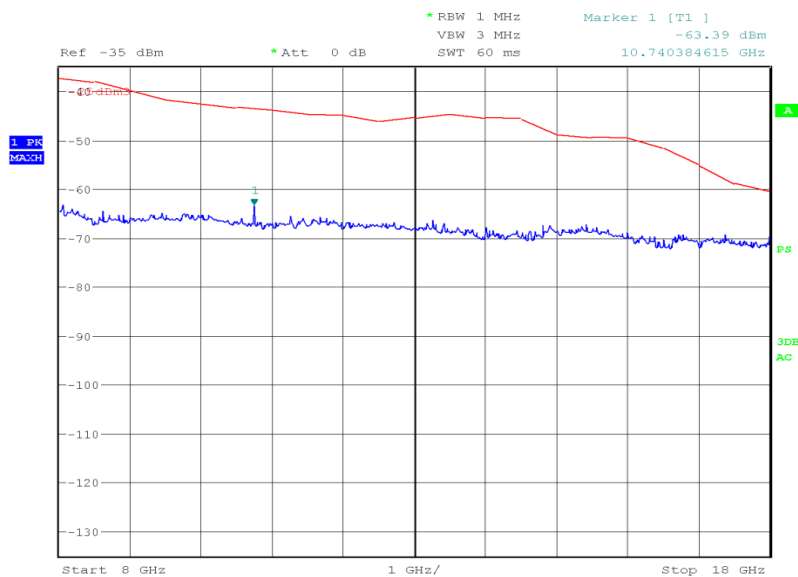
Product Service

LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 22.MAY.2015 00:04:48

LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 8 GHz to 18 GHz, Emisison Limitations Plot

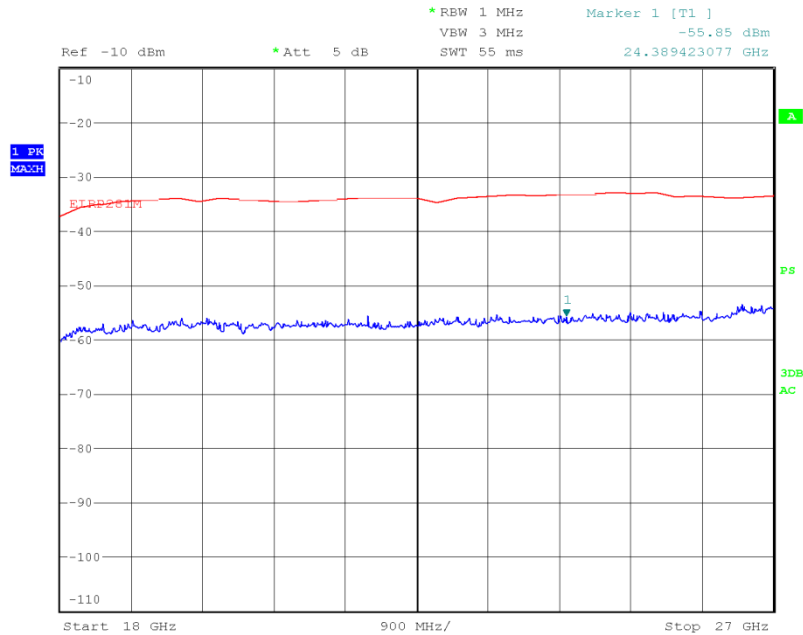


Date: 22.MAY.2015 00:56:24



Product Service

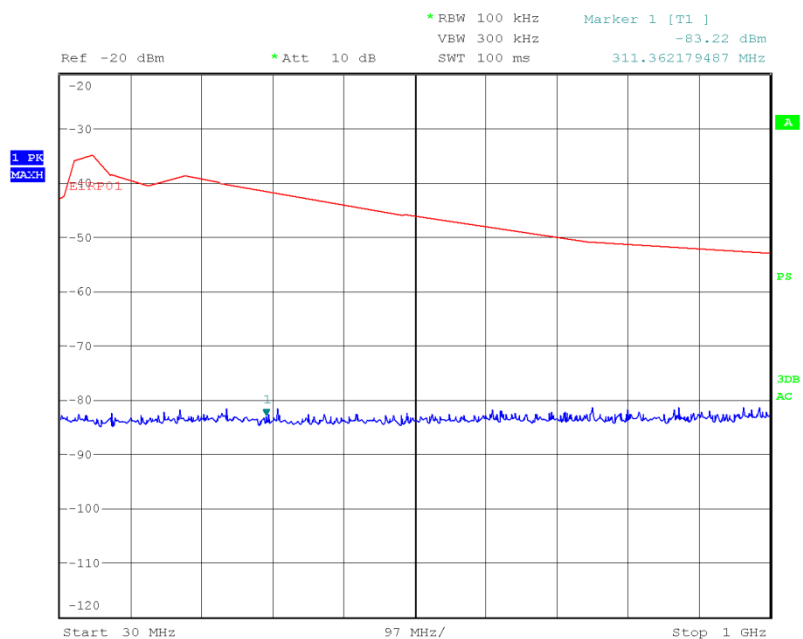
LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 18 GHz to 27 GHz, Emission Limitations Plot



Date: 17.MAY.2015 02:53:16

The limit line on the above plot is -25 dBm.

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emission Limitations Plot

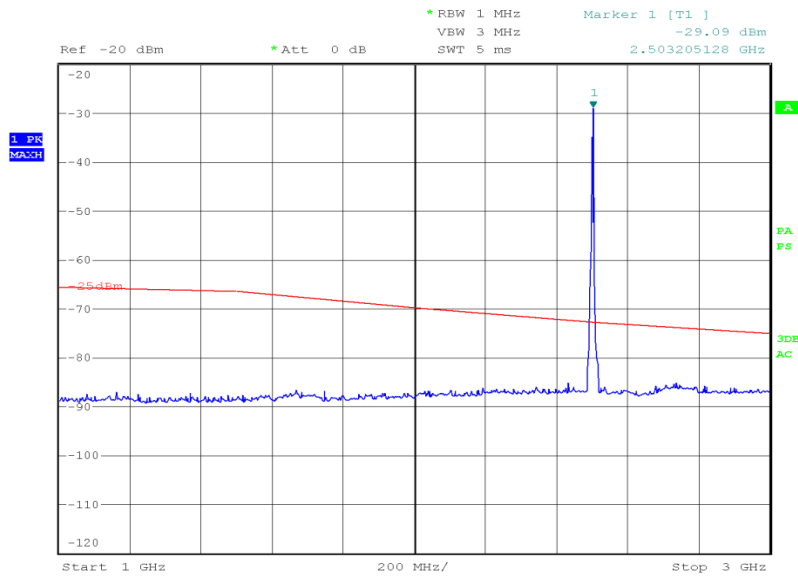


Date: 1.MAY.2015 04:54:05



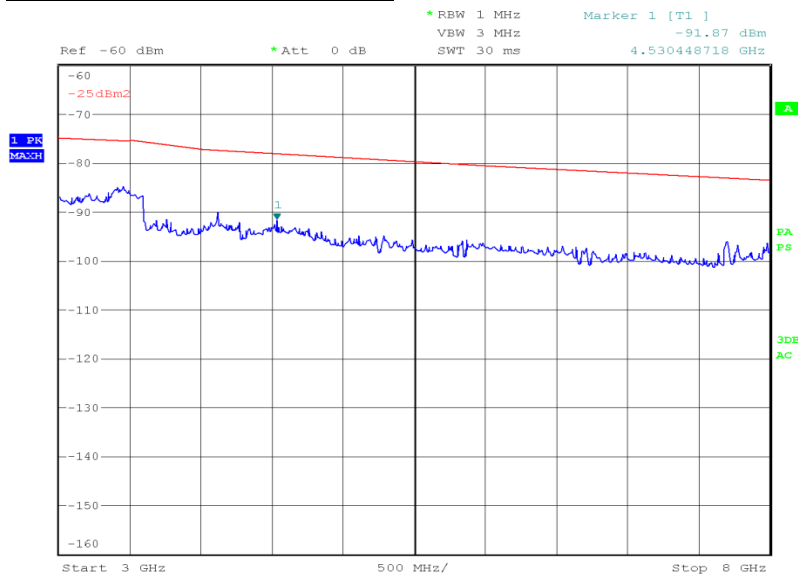
Product Service

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 1 GHz to 3 GHz, Emission Limitations Plot



Date: 21.MAY.2015 19:26:56

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 3 GHz to 8 GHz, Emission Limitations Plot

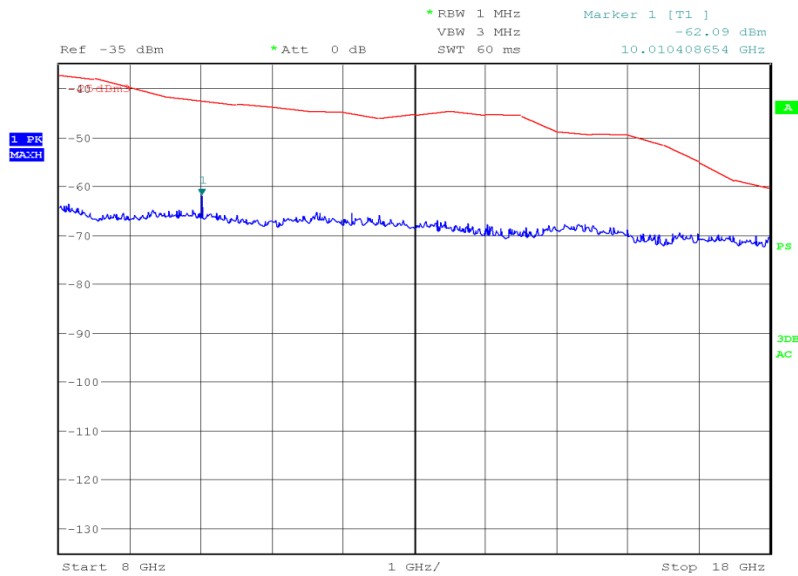


Date: 21.MAY.2015 23:01:55



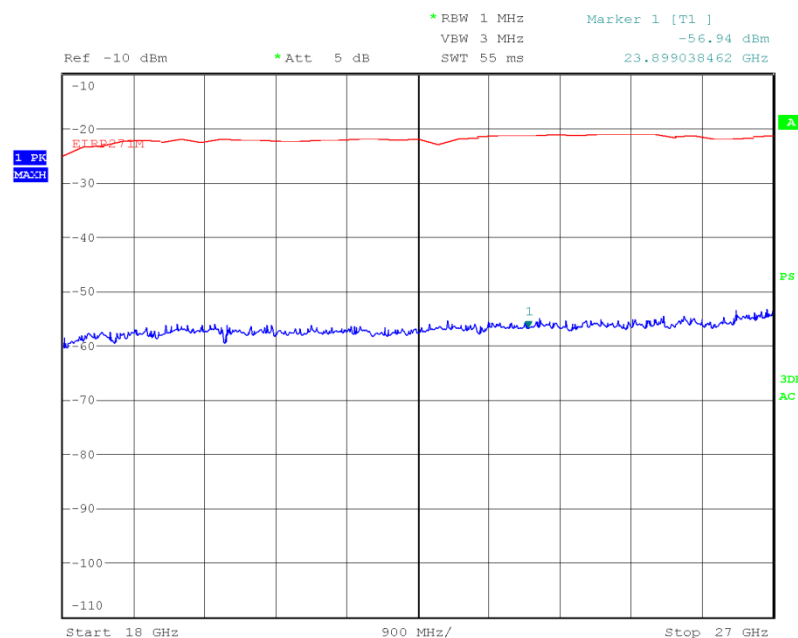
Product Service

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 8 GHz to 18 GHz, Emisison Limitations Plot



Date: 22.MAY.2015 03:14:39

LTE TDD 41, 2501.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 18 GHz to 27 GHz, Emisison Limitations Plot

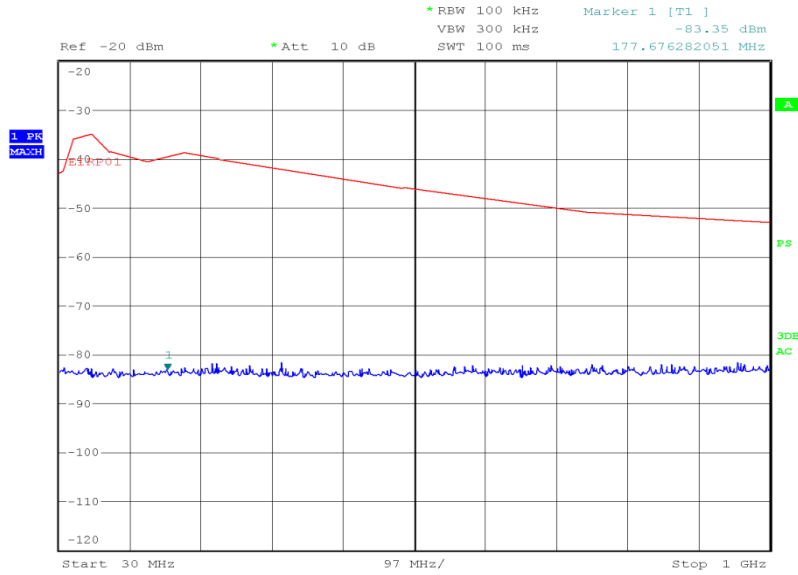


Date: 17.MAY.2015 02:45:04



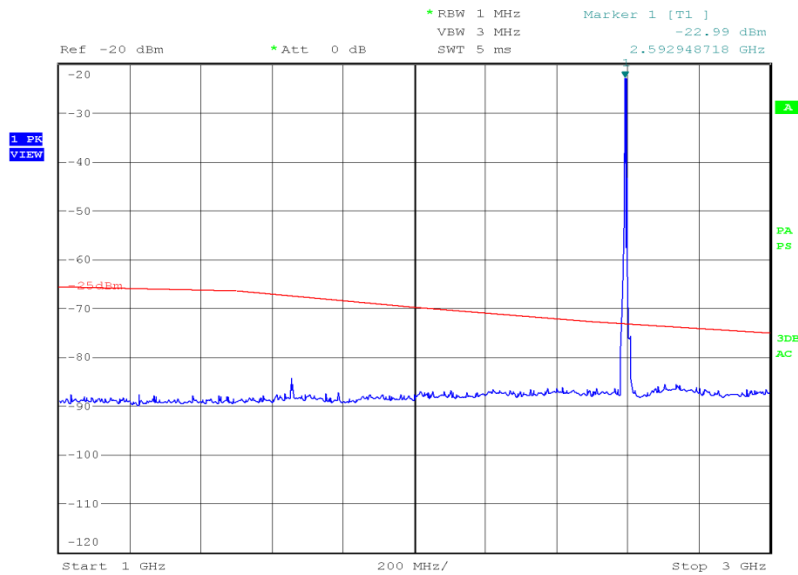
Product Service

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 30 MHz to 1 GHz, Emisison Limitations Plot



Date: 1.MAY.2015 04:51:35

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 1 GHz to 3 GHz, Emisison Limitations Plot

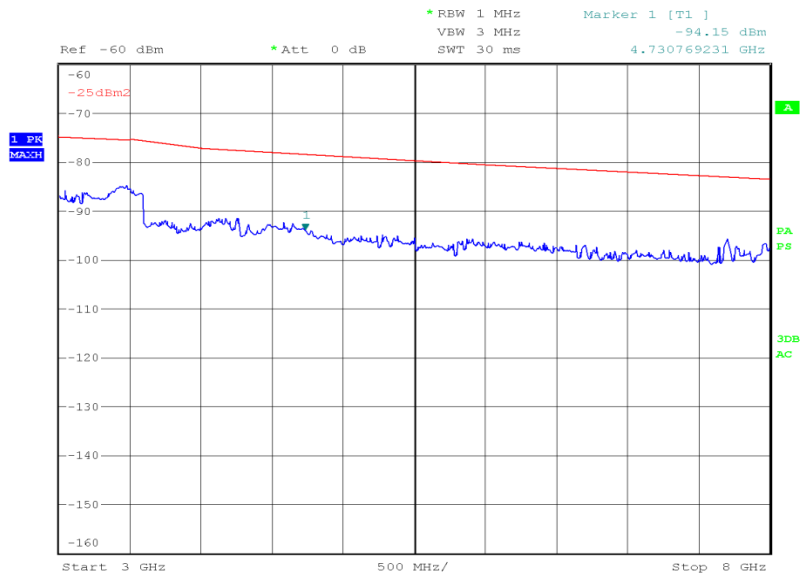


Date: 21.MAY.2015 19:22:52



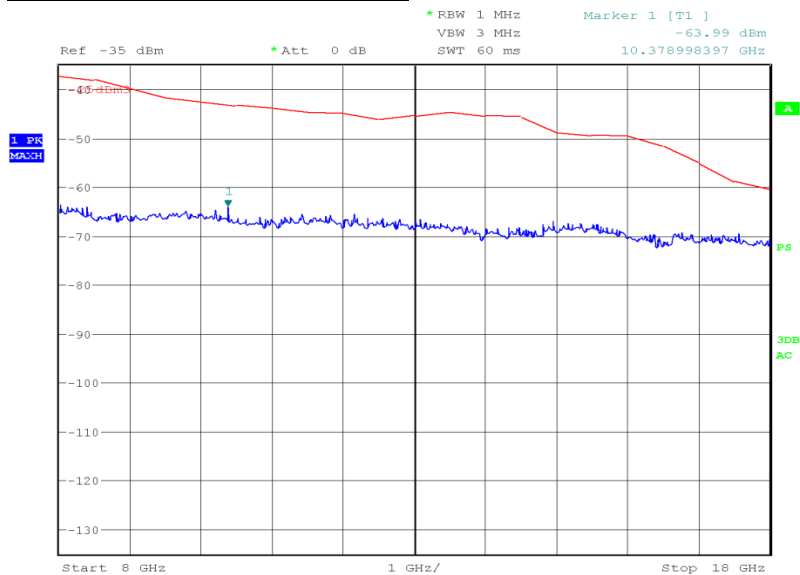
Product Service

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 22:56:03

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 8 GHz to 18 GHz, Emisison Limitations Plot

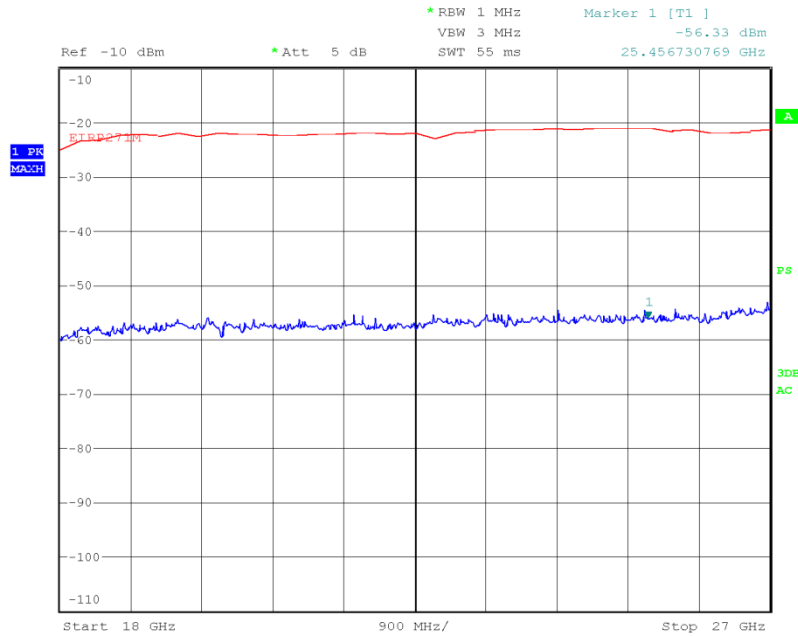


Date: 22.MAY.2015 03:11:47



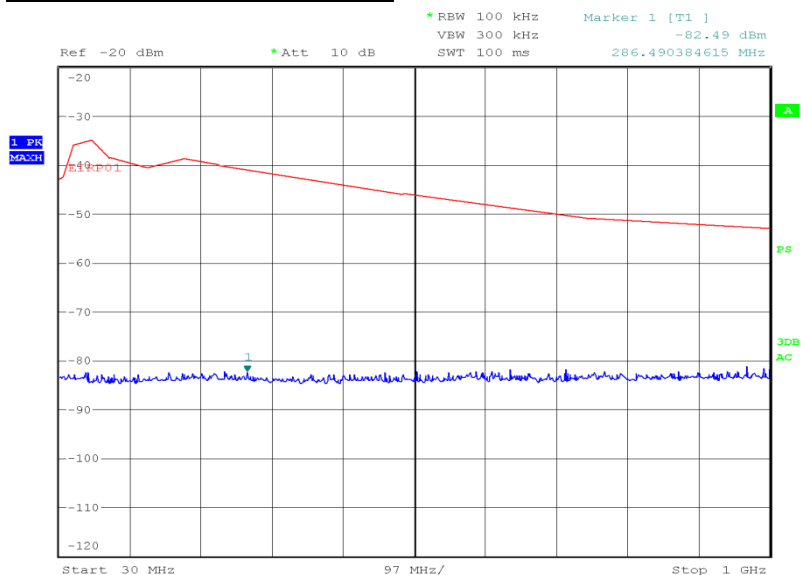
Product Service

LTE TDD 41, 2593.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Mid, 18 GHz to 27 GHz, Emisison Limitations Plot



Date: 17.MAY.2015 02:42:29

LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 30 MHz to 1 GHz, Emisison Limitations Plot

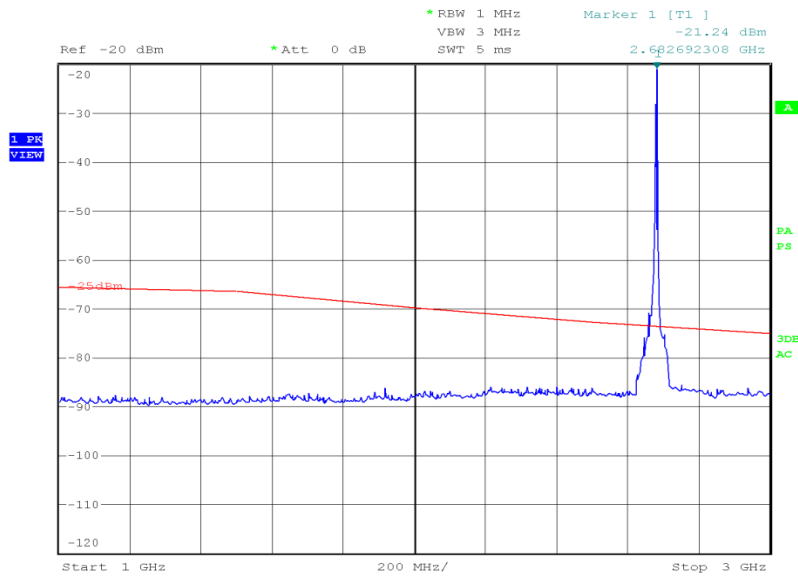


Date: 1.MAY.2015 04:49:10



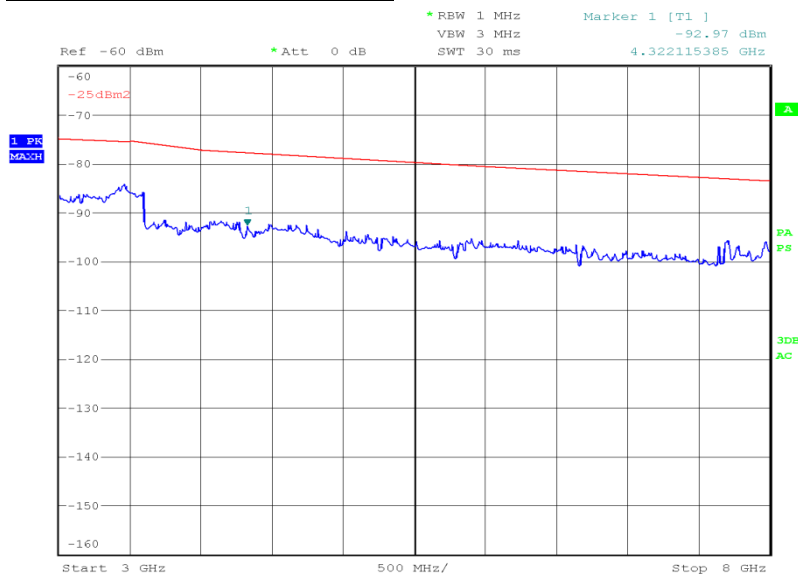
Product Service

LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 1 GHz to 3 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 19:34:13

LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 3 GHz to 8 GHz, Emisison Limitations Plot

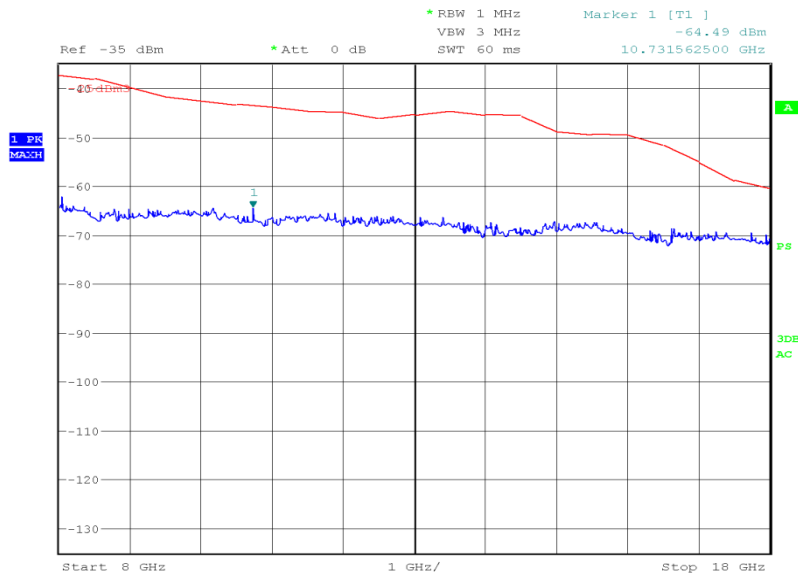


Date: 21.MAY.2015 23:24:17



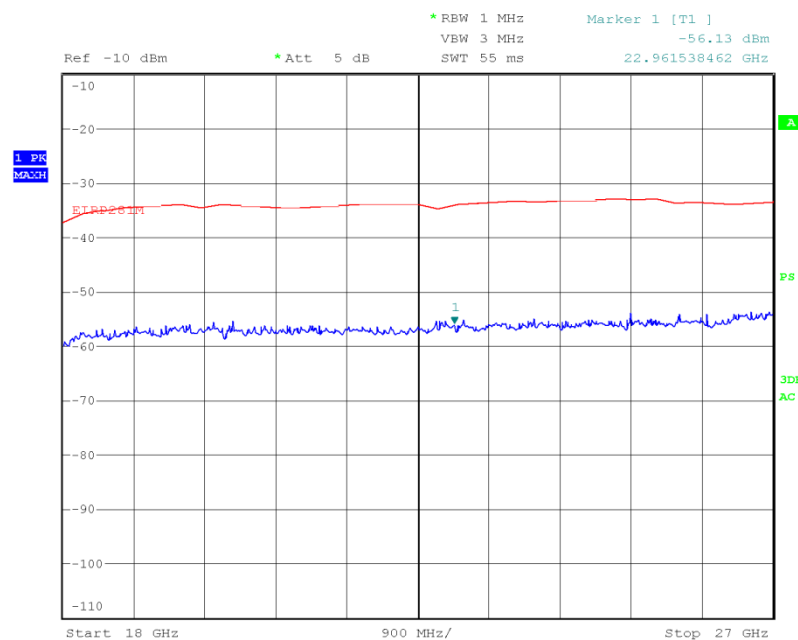
Product Service

LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 8 GHz to 18 GHz, Emisison Limitations Plot



Date: 22.MAY.2015 03:33:30

LTE TDD 41, 2685.0MHz, 10.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 18 GHz to 27 GHz, Emisison Limitations Plot



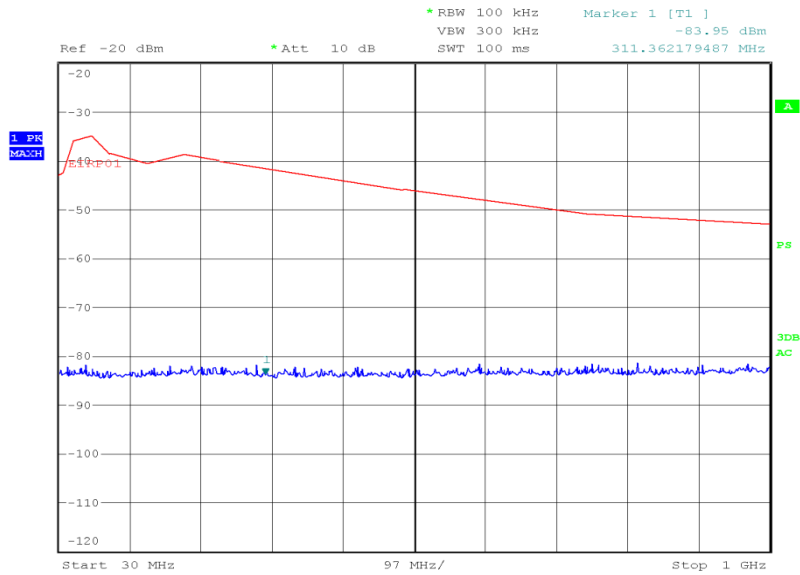
Date: 17.MAY.2015 02:58:35

The limit line on the above plot is -25 dBm.



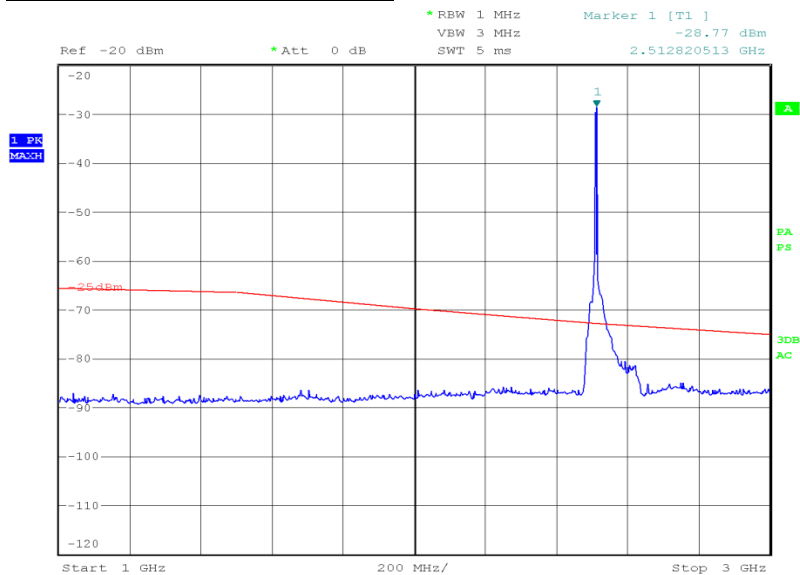
Product Service

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 30 MHz to 1 GHz, Emission Limitations Plot



Date: 1.MAY.2015 05:27:54

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 1 GHz to 3 GHz, Emission Limitations Plot

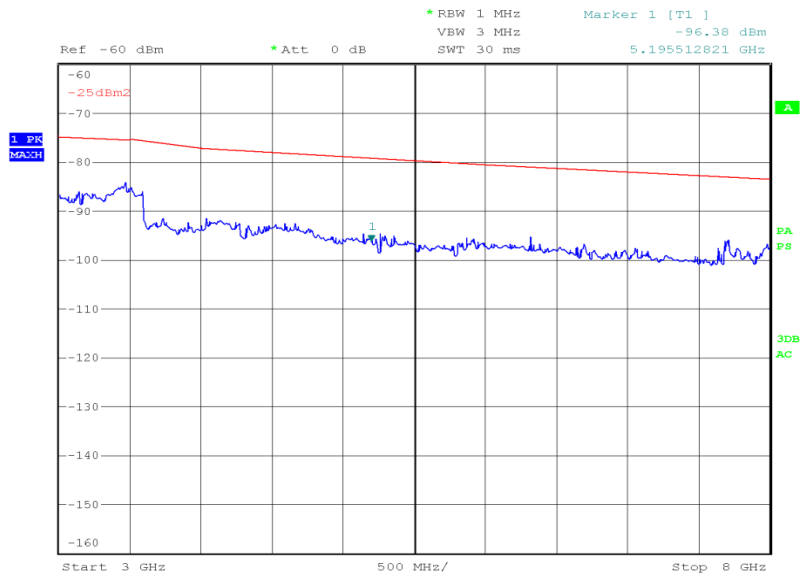


Date: 21.MAY.2015 19:51:14



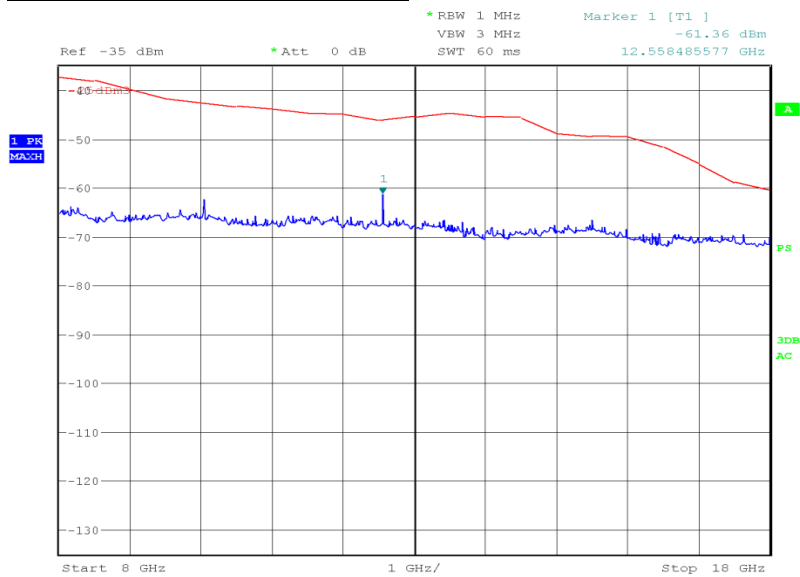
Product Service

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 22:36:01

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 8 GHz to 18 GHz, Emisison Limitations Plot

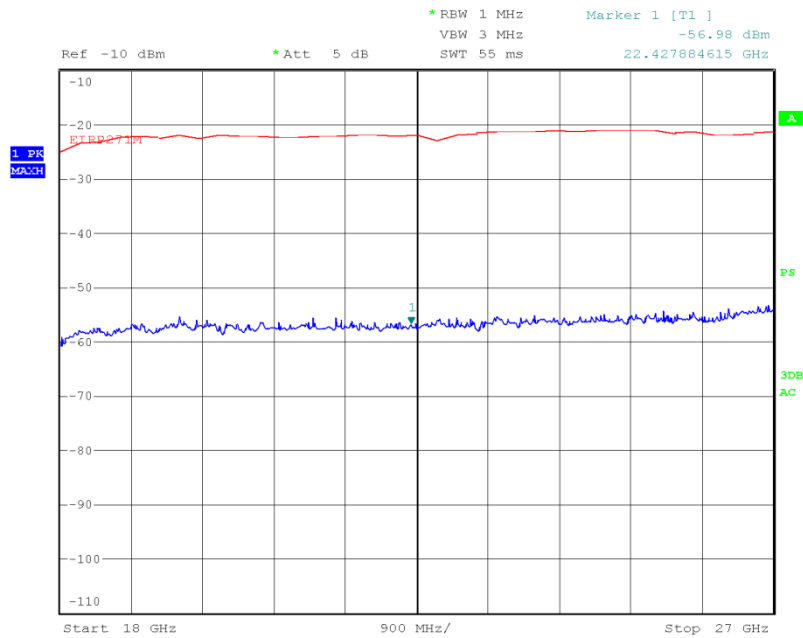


Date: 22.MAY.2015 02:42:21



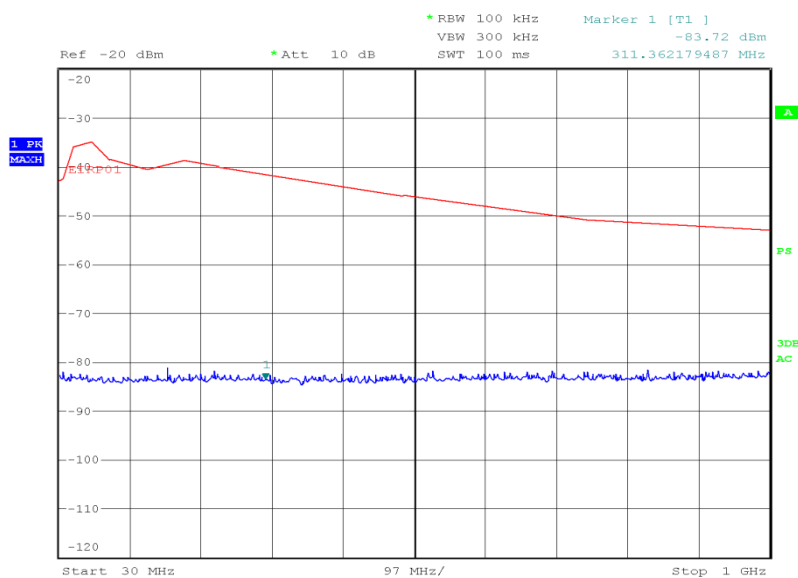
Product Service

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 18 GHz to 27 GHz, Emisison Limitations Plot



Date: 17.MAY.2015 03:27:35

LTE TDD 41, 2593.0MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 30 MHz to 1 GHz, Emisison Limitations Plot

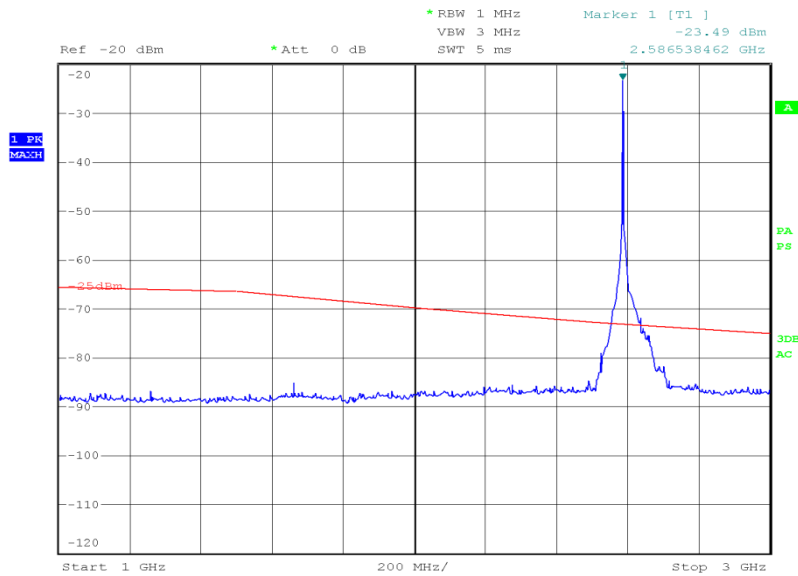


Date: 1.MAY.2015 05:24:16



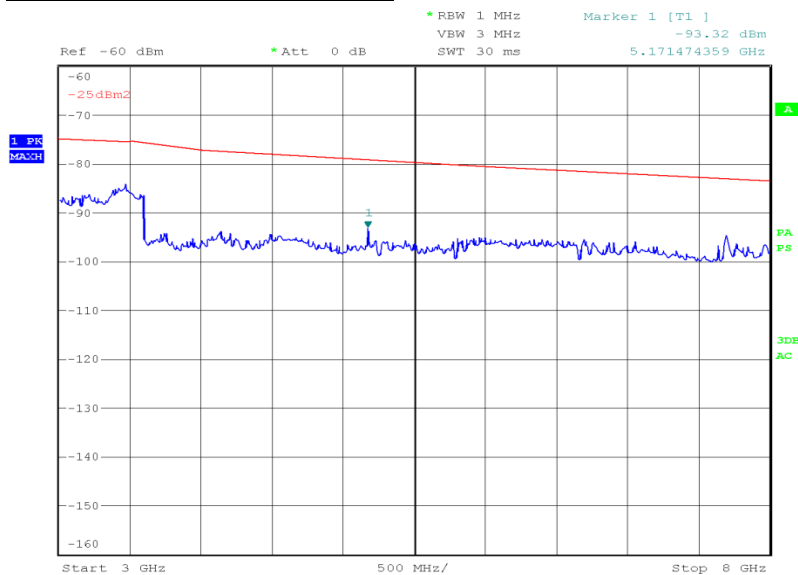
Product Service

LTE TDD 41, 2593.0MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 1 GHz to 3 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 19:38:54

LTE TDD 41, 2593.0MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 3 GHz to 8 GHz, Emisison Limitations Plot

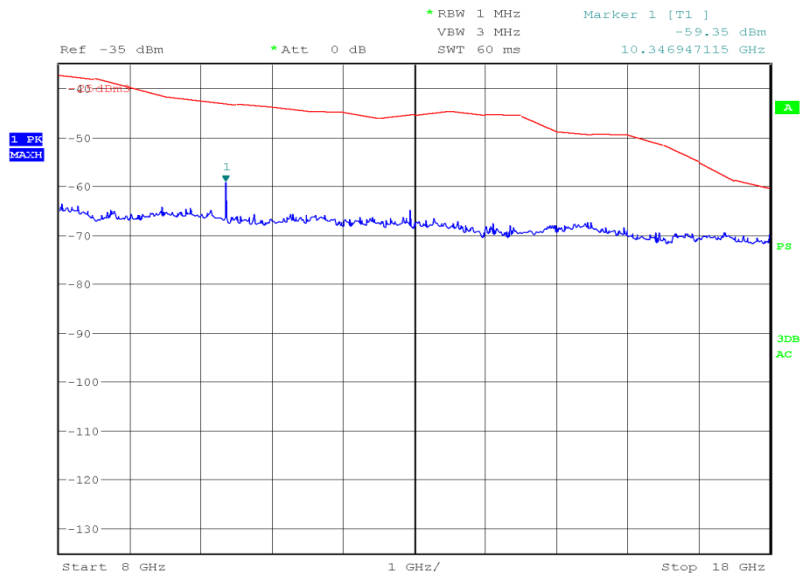


Date: 21.MAY.2015 22:24:26



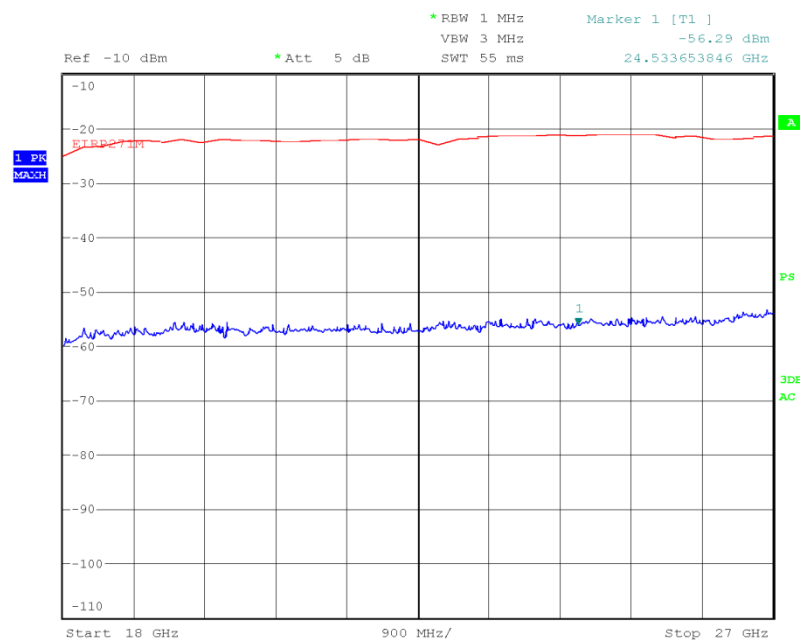
Product Service

LTE TDD 41, 2593.0MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 8 GHz to 18 GHz, Emisison Limitations Plot



Date: 22.MAY.2015 02:33:20

LTE TDD 41, 2593.0MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 18 GHz to 27 GHz, Emisison Limitations Plot

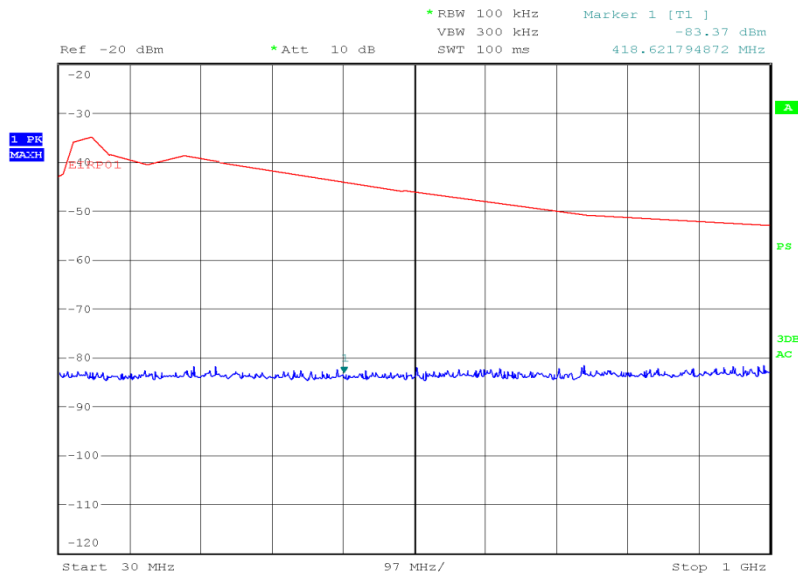


Date: 17.MAY.2015 03:08:23



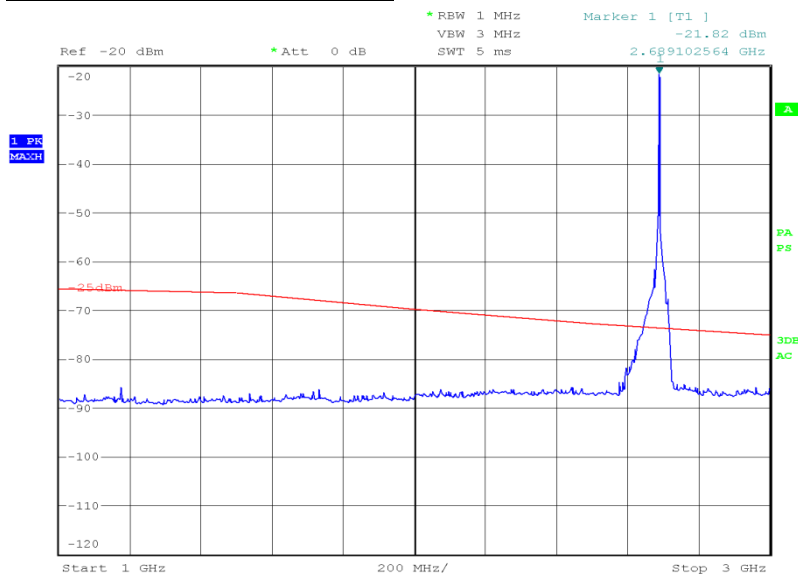
Product Service

LTE TDD 41, 2682.5MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 30 MHz to 1 GHz, Emisison Limitations Plot



Date: 1.MAY.2015 05:30:06

LTE TDD 41, 2682.5 MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 1 GHz to 3 GHz, Emisison Limitations Plot

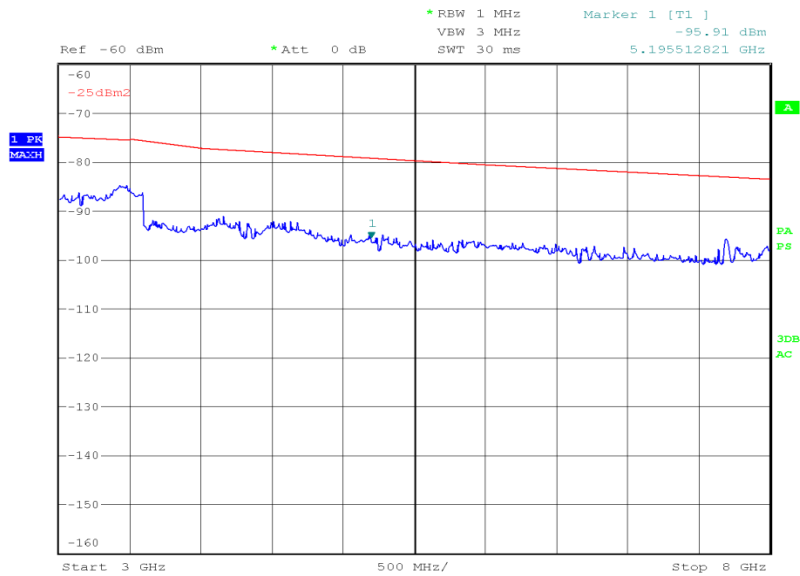


Date: 21.MAY.2015 19:55:03



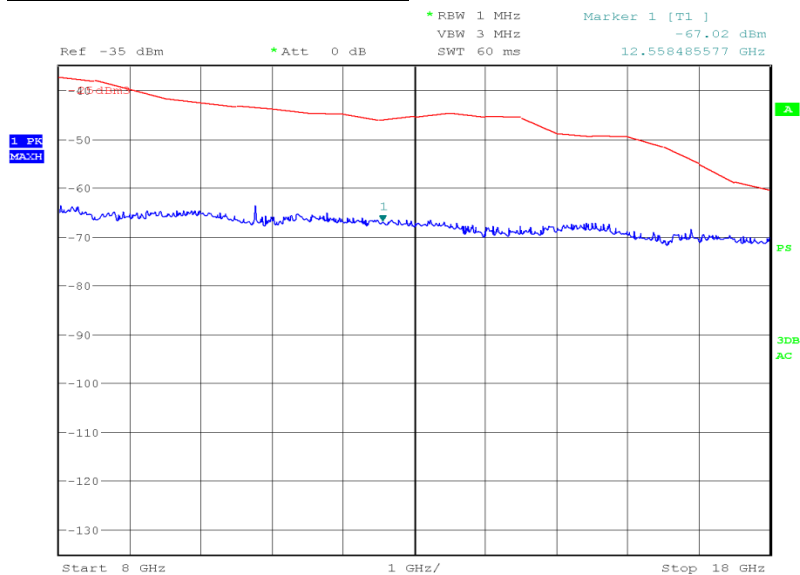
Product Service

LTE TDD 41, 2682.5MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 22:40:05

LTE TDD 41, 2682.5MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 8 GHz to 18 GHz, Emisison Limitations Plot

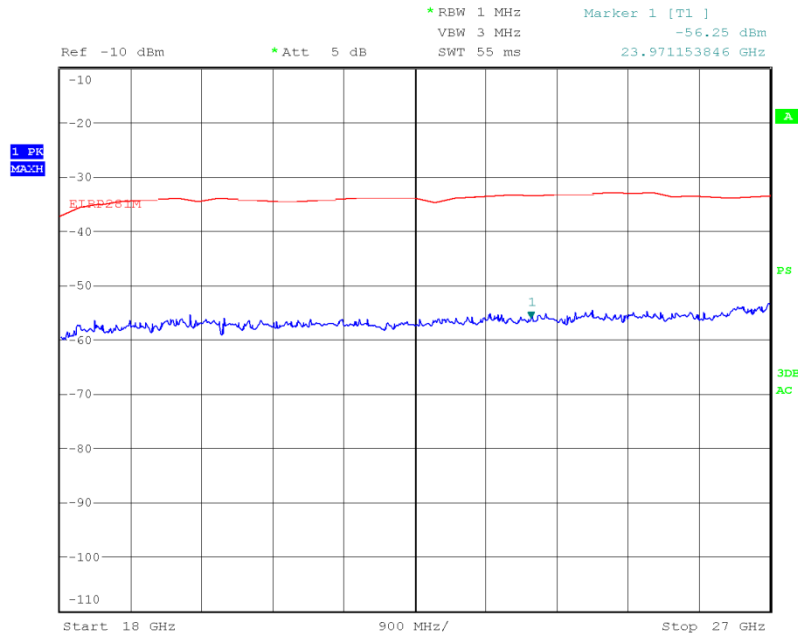


Date: 22.MAY.2015 02:54:05



Product Service

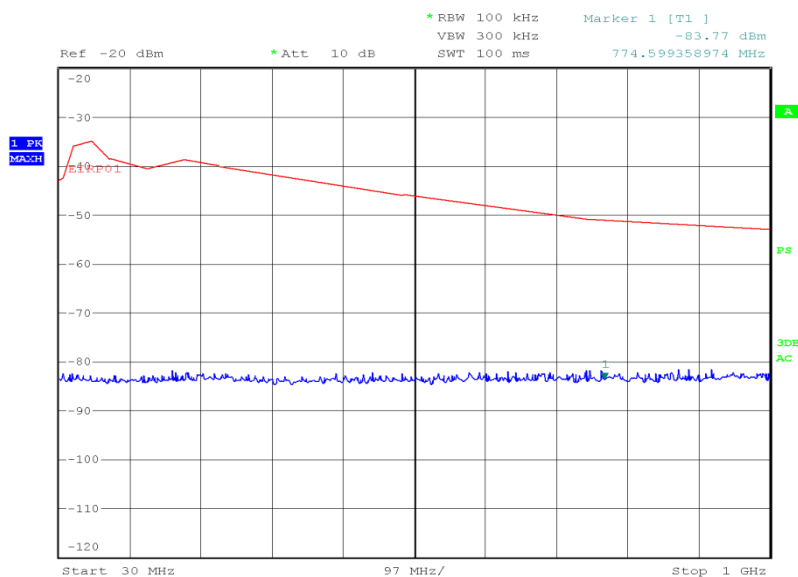
LTE TDD 41, 2682.5MHz, 15.0 MHz Bandwidth, QPSK, 1 Resource Block – High, 18 GHz to 27 GHz, Emisison Limitations Plot



Date: 17.MAY.2015 03:32:50

The limit line on the above plot is -25 dBm.

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 30 MHz to 1 GHz, Emisison Limitations Plot

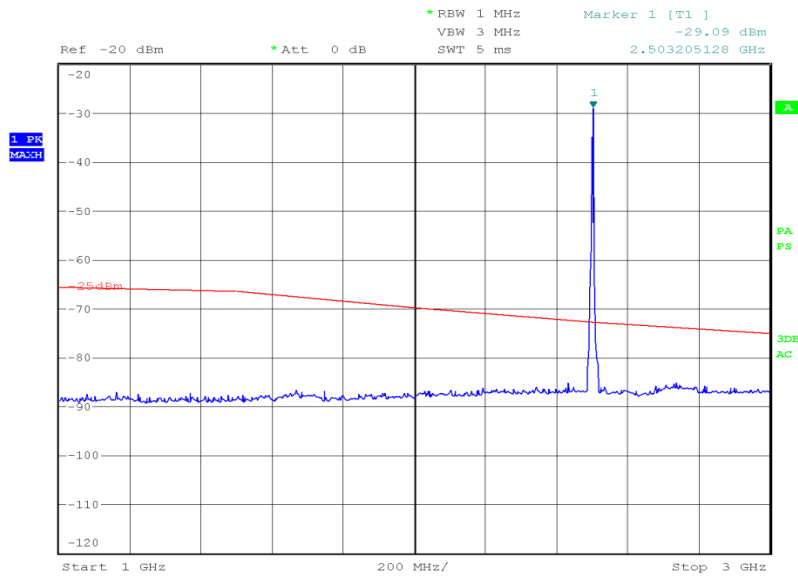


Date: 1.MAY.2015 05:38:36



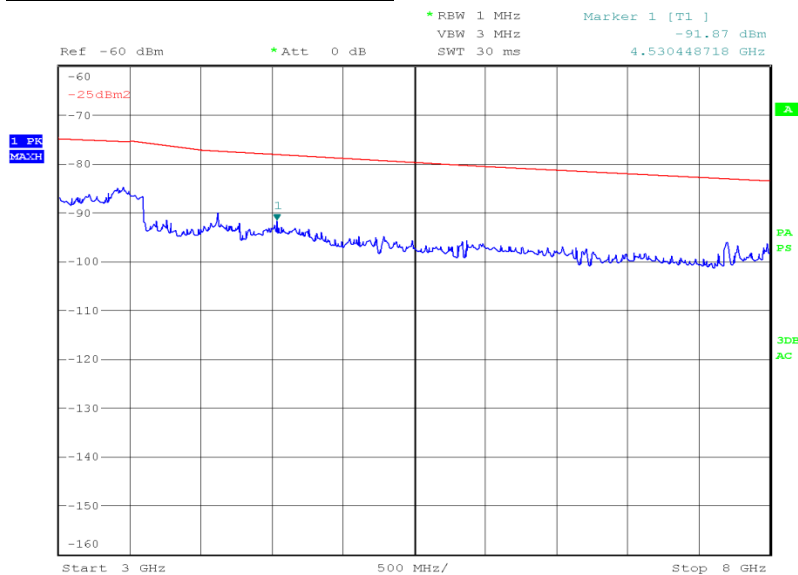
Product Service

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 1 GHz to 3 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 19:26:56

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 3 GHz to 8 GHz, Emisison Limitations Plot

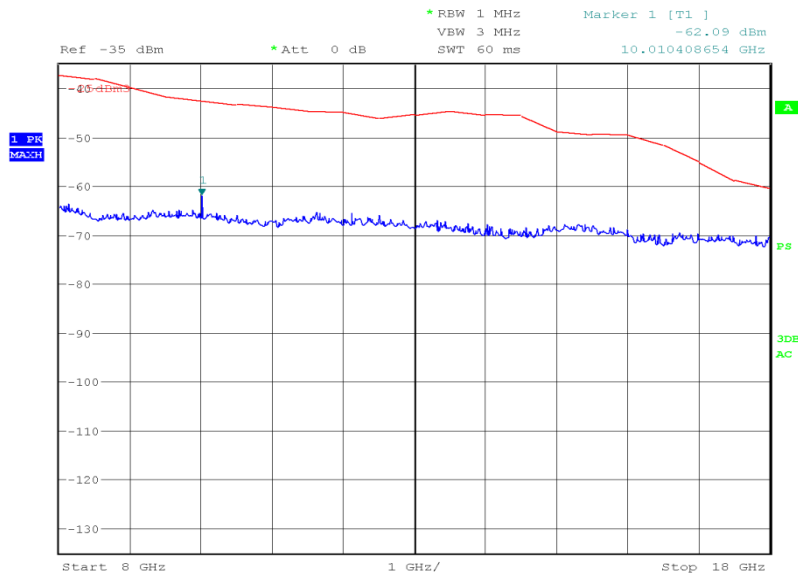


Date: 21.MAY.2015 23:01:55



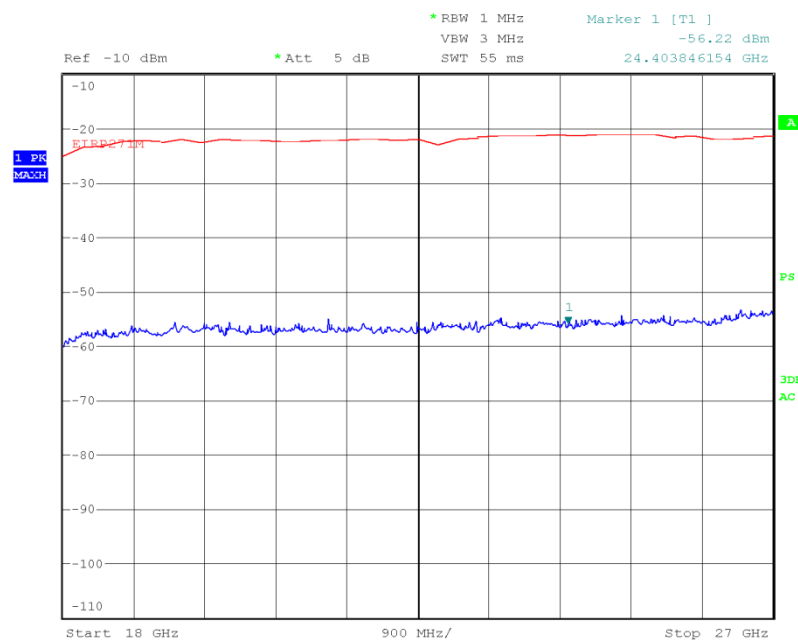
Product Service

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 8 GHz to 18 GHz, Emisison Limitations Plot



Date: 22.MAY.2015 03:14:39

LTE TDD 41, 2503.5MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 18 GHz to 27 GHz, Emisison Limitations Plot

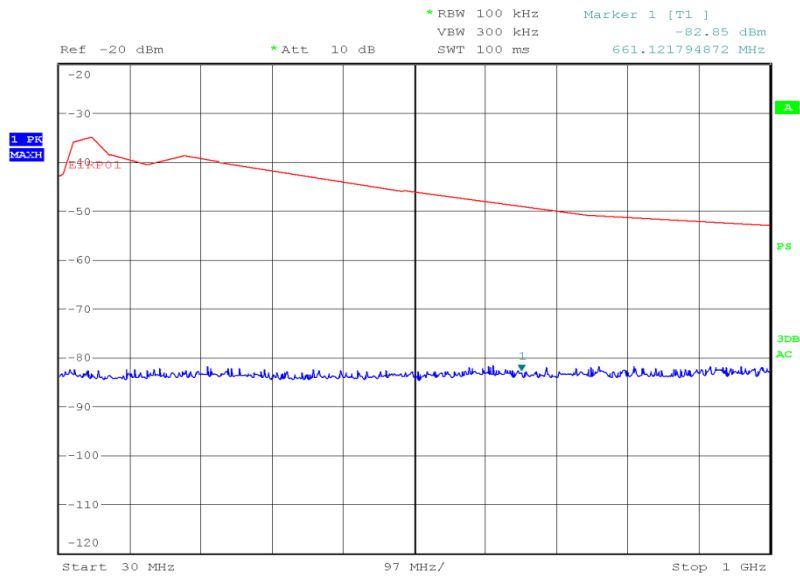


Date: 17.MAY.2015 03:23:34



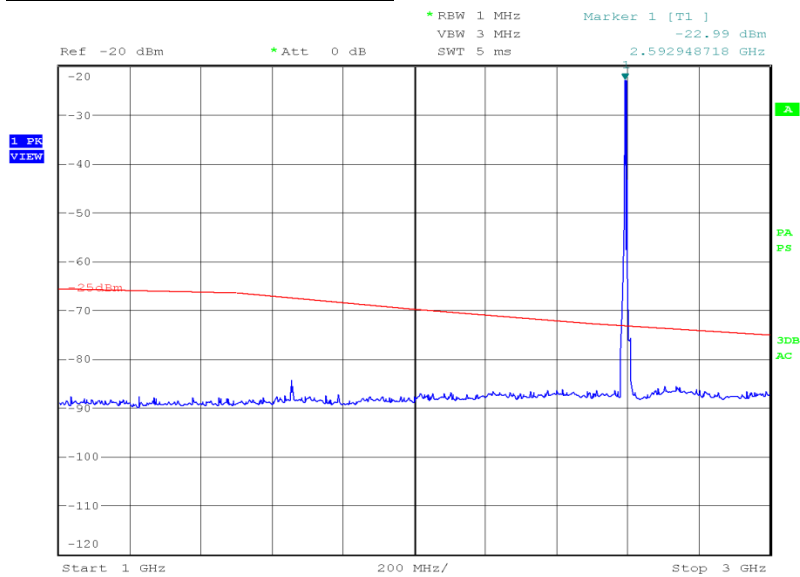
Product Service

LTE TDD 41, 2593.0 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 30 MHz to 1 GHz, Emisison Limitations Plot



Date: 1.MAY.2015 05:35:54

LTE TDD 41, 2593.0 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 1 GHz to 3 GHz, Emisison Limitations Plot

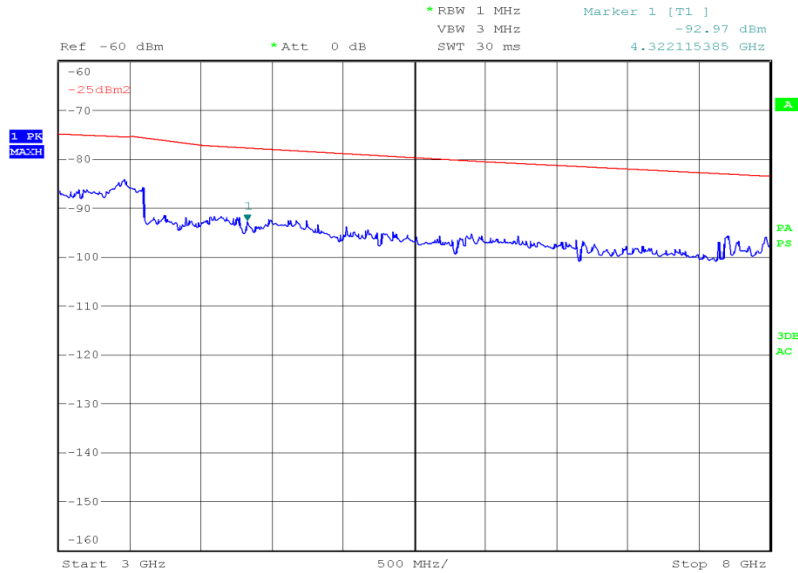


Date: 21.MAY.2015 19:22:52



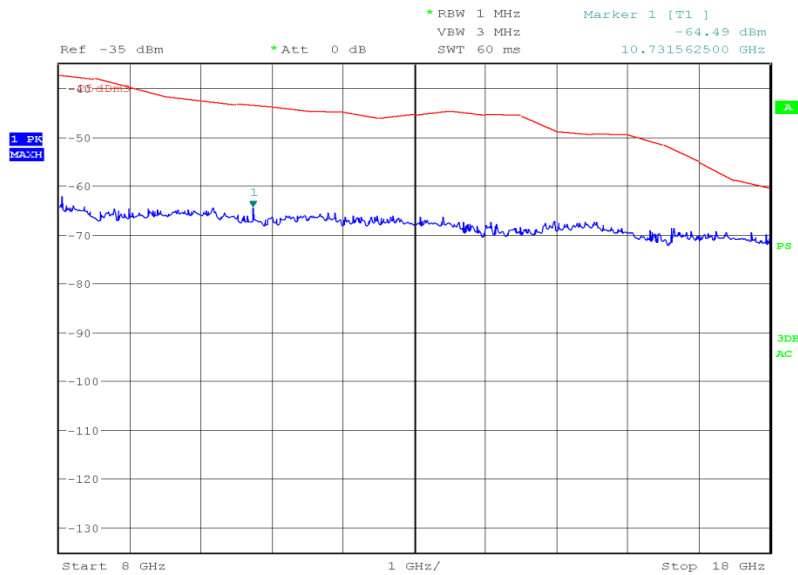
Product Service

LTE TDD 41, 2593.0 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 23:24:17

LTE TDD 41, 2593.0 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 8 GHz to 18 GHz, Emisison Limitations Plot

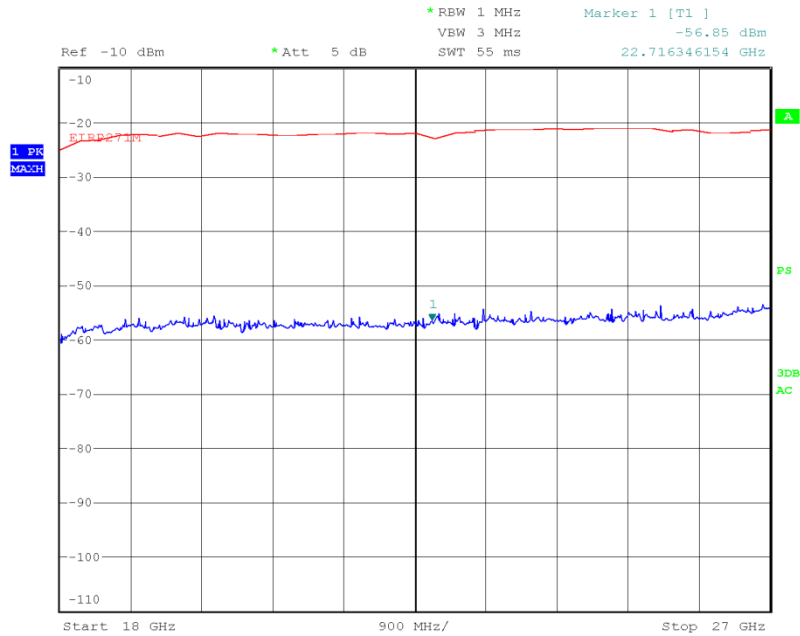


Date: 22.MAY.2015 03:33:30



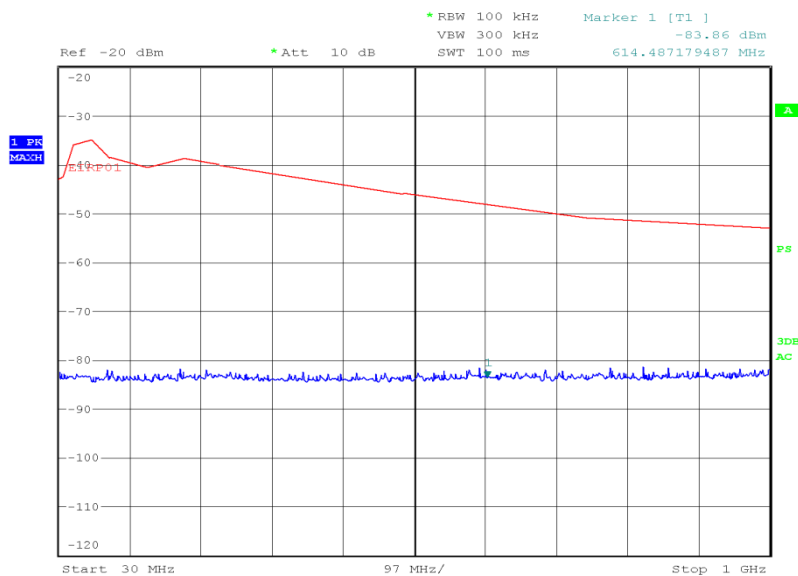
Product Service

LTE TDD 41, 2593.0 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 18 GHz to 27 GHz, Emission Limitations Plot



Date: 17.MAY.2015 03:13:09

LTE TDD 41, 2682.5 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot



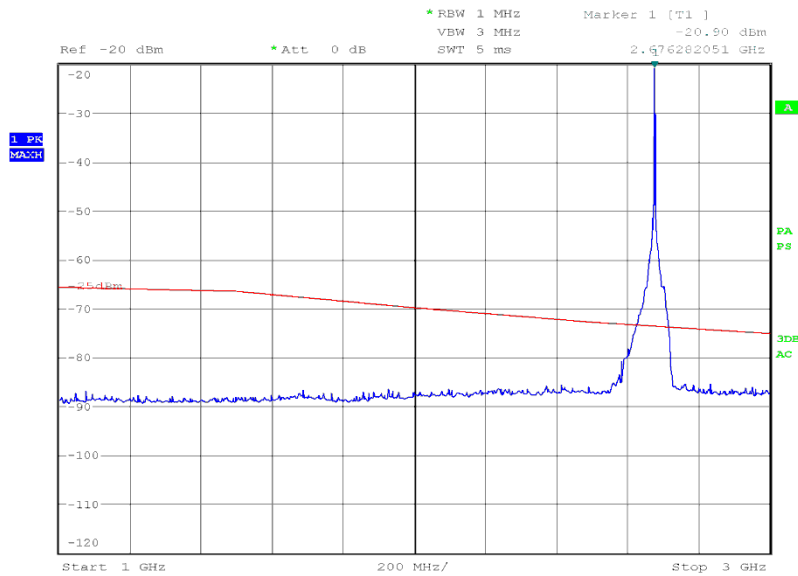
Date: 1.MAY.2015 05:32:57

The limit line on the above plot is -25 dBm.



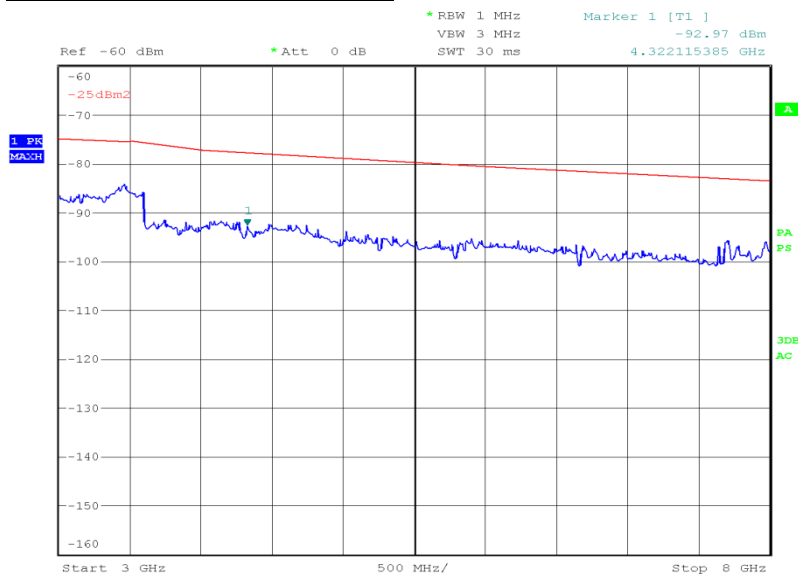
Product Service

LTE TDD 41, 2682.5 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 1 GHz to 3 GHz, Emission Limitations Plot



Date: 21.MAY.2015 19:57:39

LTE TDD 41, 2682.5 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 3 GHz to 8 GHz, Emission Limitations Plot

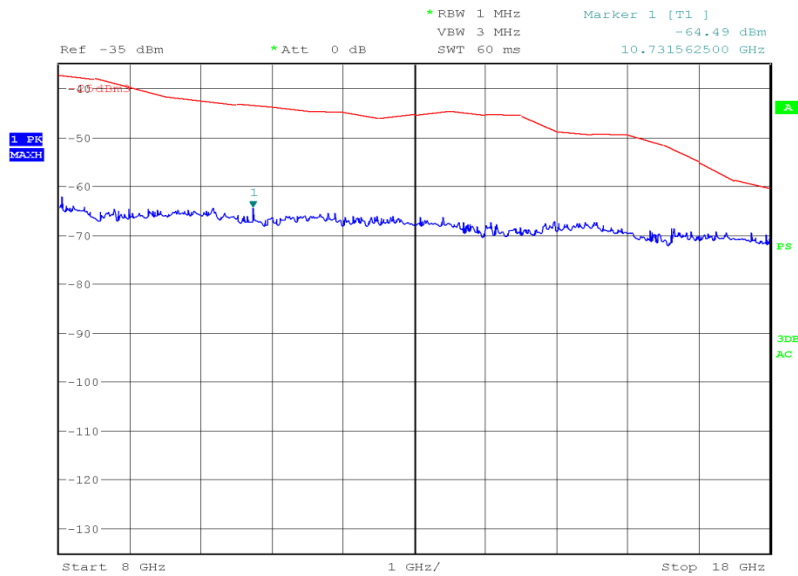


Date: 21.MAY.2015 23:24:17



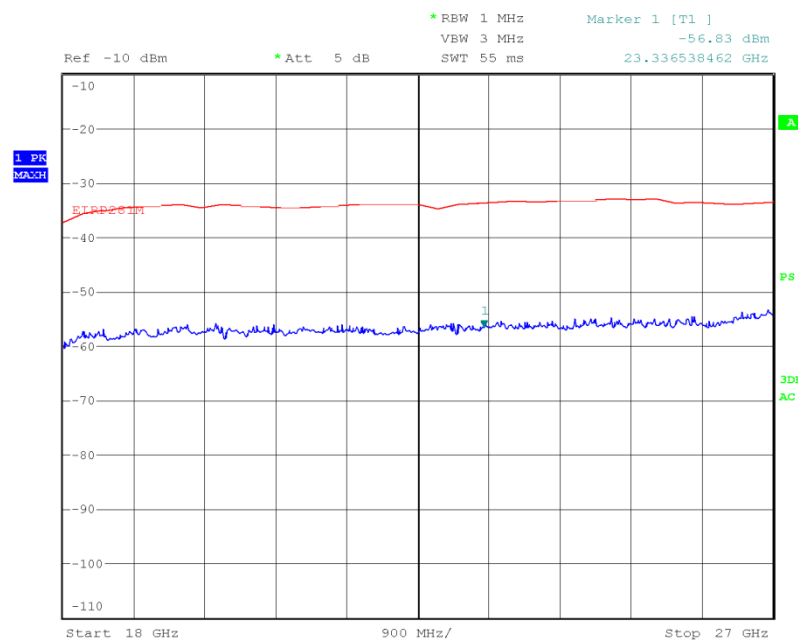
Product Service

LTE TDD 41, 2682.5 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 8 GHz to 18 GHz, Emission Limitations Plot



Date: 22.MAY.2015 03:33:30

LTE TDD 41, 2682.5 MHz, 15.0 MHz Bandwidth, 16-QAM, 1 Resource Block – Low, 18 GHz to 27 GHz, Emission Limitations Plot



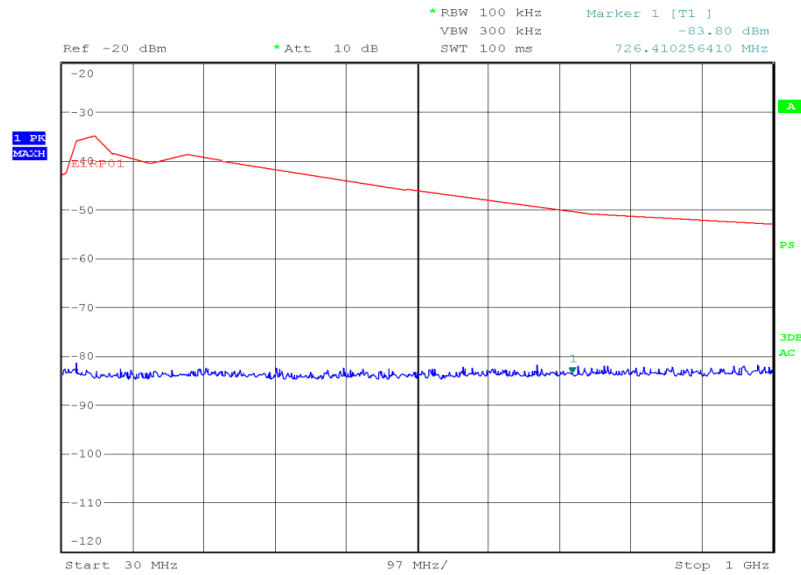
Date: 17.MAY.2015 03:37:47

The limit line on the above plot is -25 dBm.



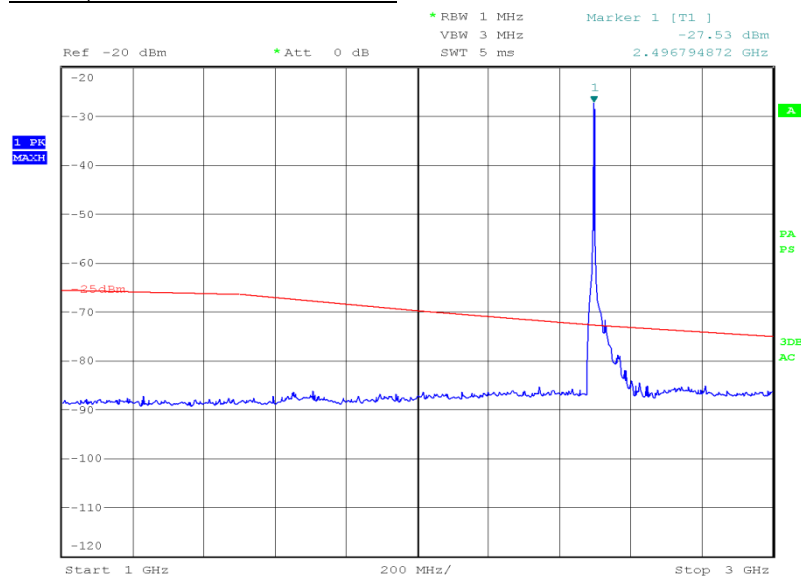
Product Service

LTE TDD 41, 2506.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot



Date: 1.MAY.2015 05:47:07

LTE TDD 41, 2506.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 1 GHz to 3 GHz, Emission Limitations Plot

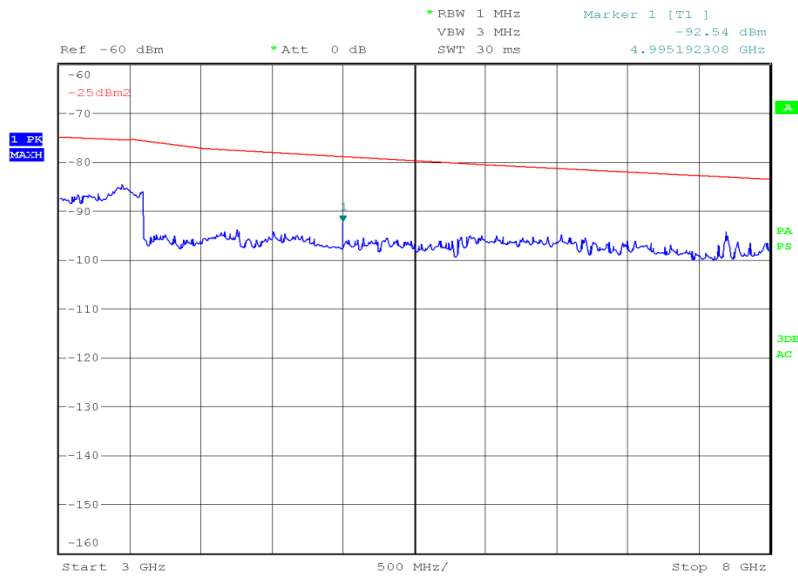


Date: 21.MAY.2015 21:18:12



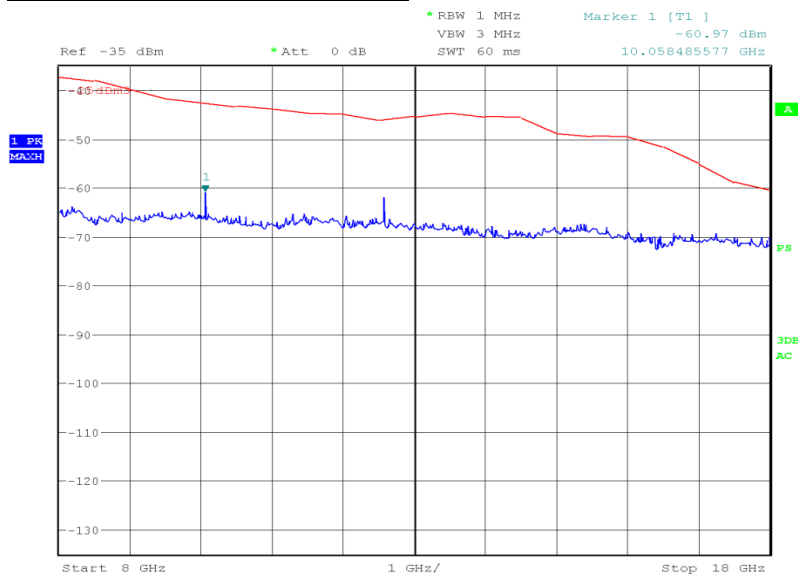
Product Service

LTE TDD 41, 2506.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 22:15:31

LTE TDD 41, 2506.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 8 GHz to 18 GHz, Emisison Limitations Plot

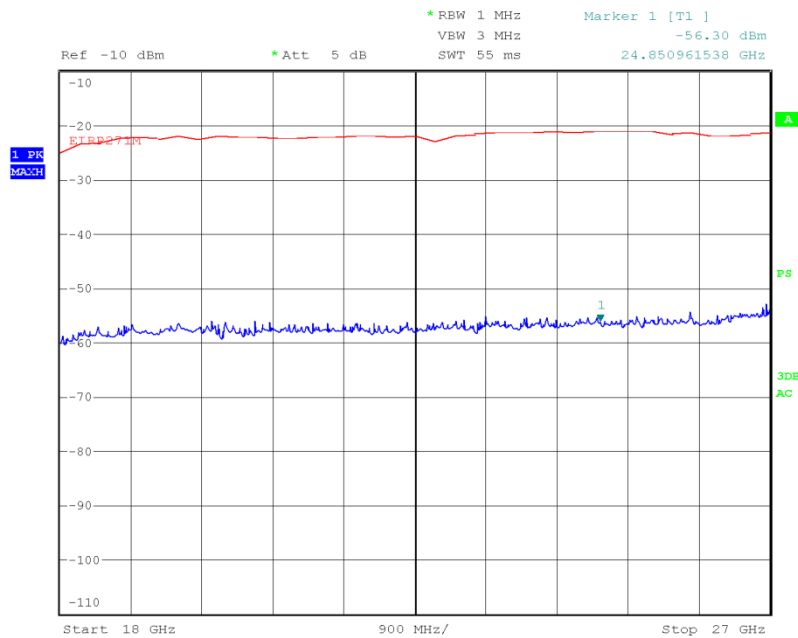


Date: 22.MAY.2015 01:23:15



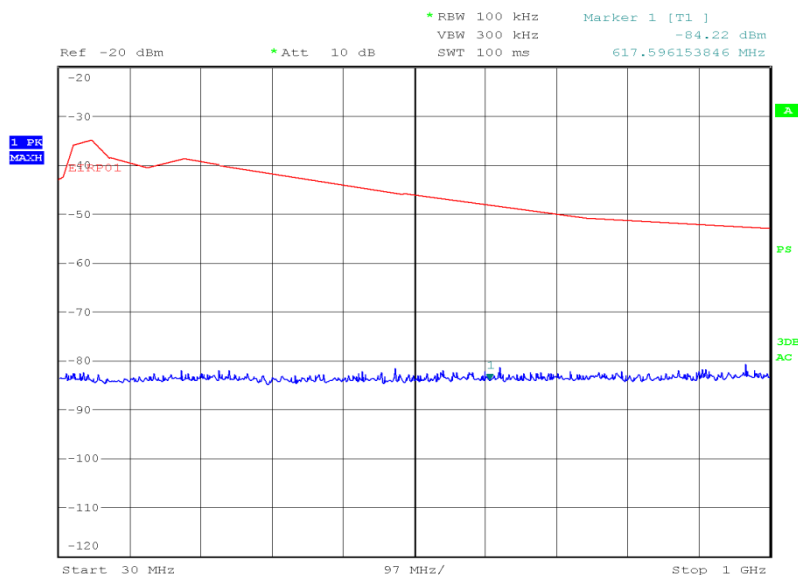
Product Service

LTE TDD 41, 2506.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 18 GHz to 27 GHz, Emission Limitations Plot



Date: 17.MAY.2015 04:13:59

LTE TDD 41, 2593.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 30 MHz to 1 GHz, Emission Limitations Plot

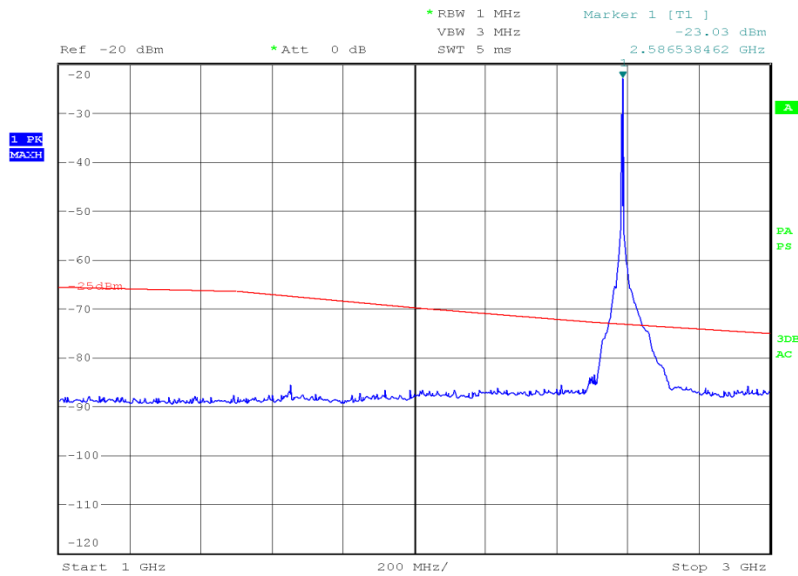


Date: 1.MAY.2015 05:41:54



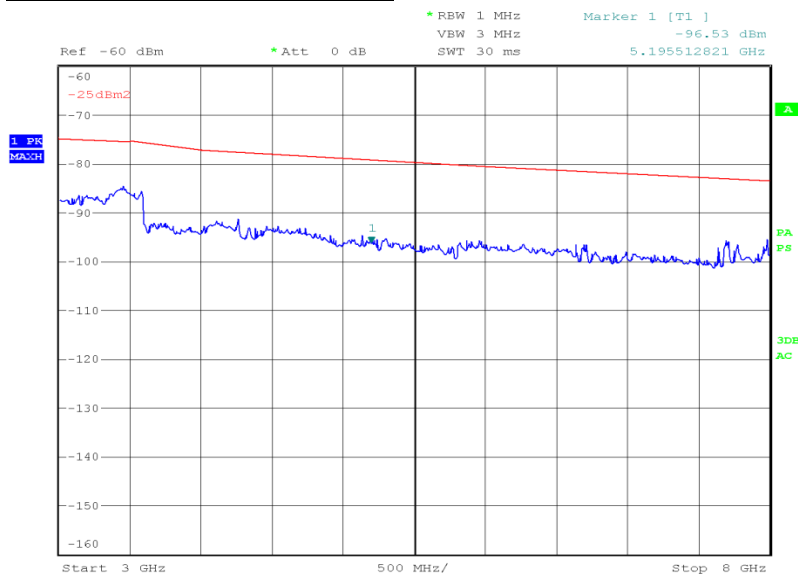
Product Service

LTE TDD 41, 2593.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 1 GHz to 3 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 20:53:17

LTE TDD 41, 2593.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 3 GHz to 8 GHz, Emisison Limitations Plot

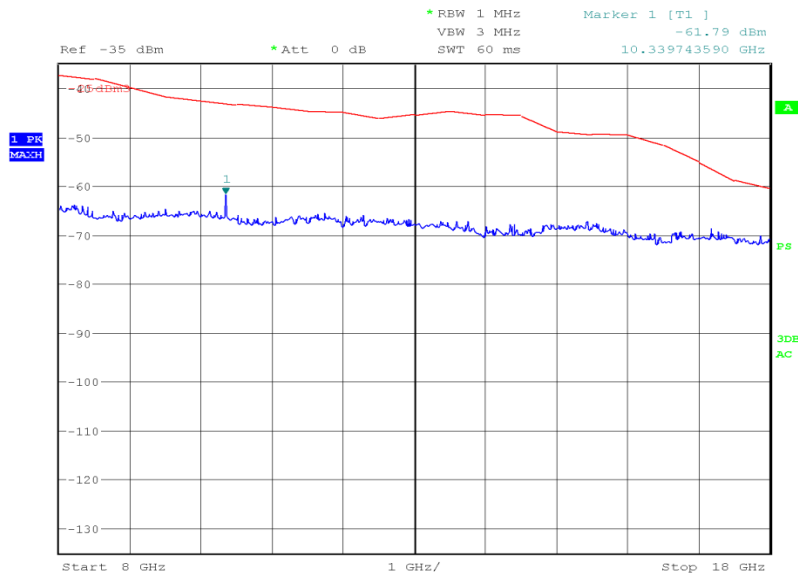


Date: 21.MAY.2015 21:59:29



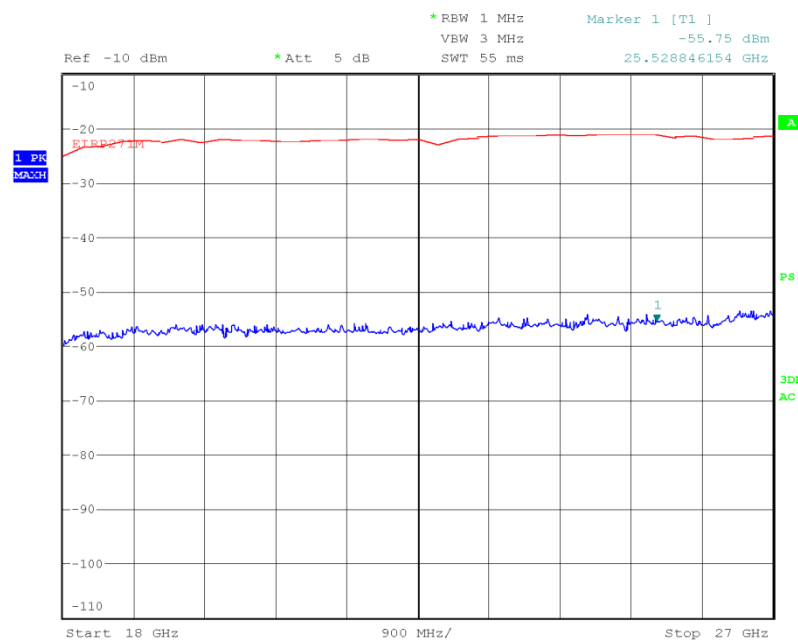
Product Service

LTE TDD 41, 2593.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 8 GHz to 18 GHz, Emisison Limitations Plot



Date: 22.MAY.2015 01:06:07

LTE TDD 41, 2593.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 18 GHz to 27 GHz, Emisison Limitations Plot

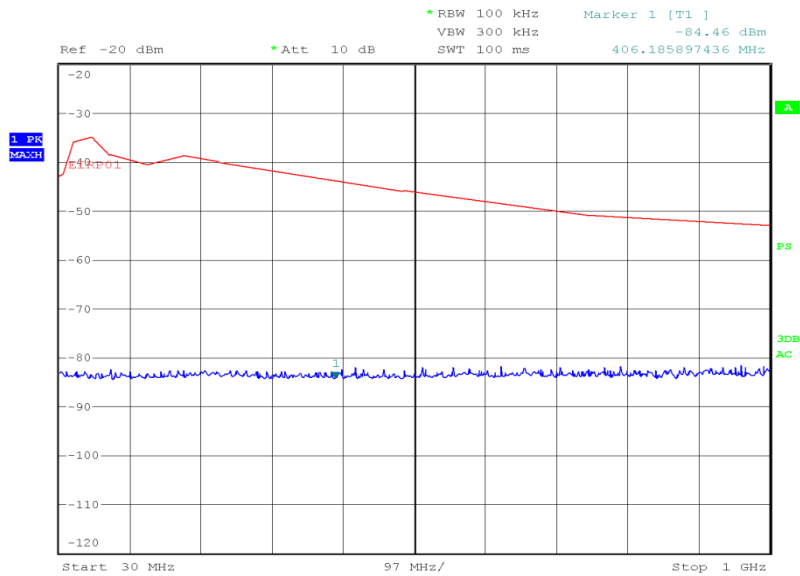


Date: 17.MAY.2015 03:44:41



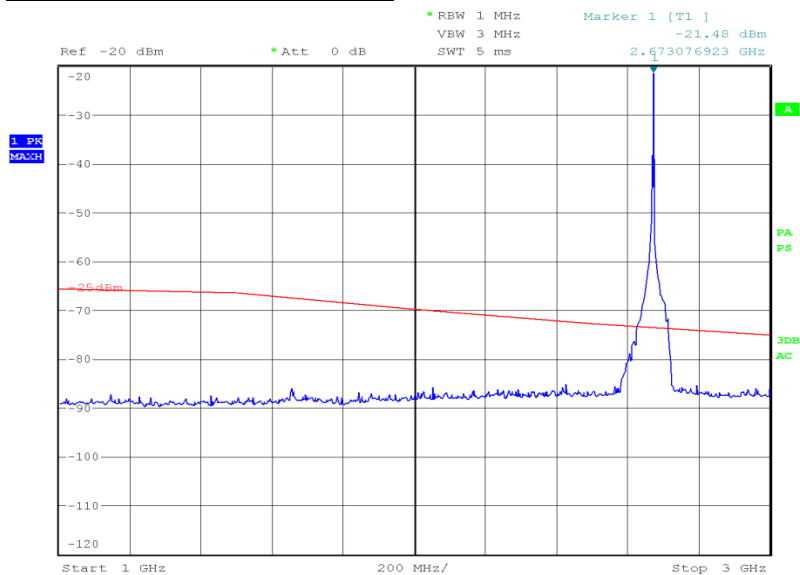
Product Service

LTE TDD 41, 2680.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 30 MHz to 1 GHz, Emisison Limitations Plot



Date: 1.MAY.2015 05:44:55

LTE TDD 41, 2680.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 1 GHz to 3 GHz, Emisison Limitations Plot

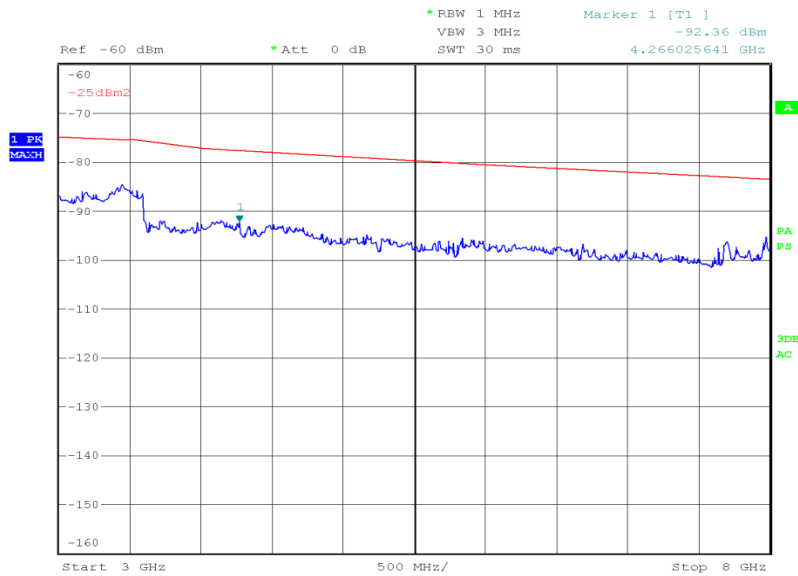


Date: 21.MAY.2015 21:19:46



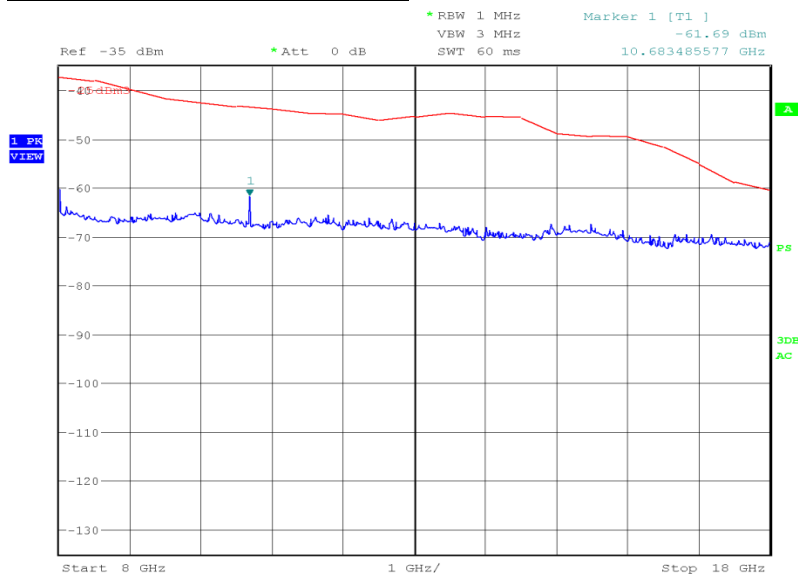
Product Service

LTE TDD 41, 2680.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 21:49:01

LTE TDD 41, 2680.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 8 GHz to 18 GHz, Emisison Limitations Plot

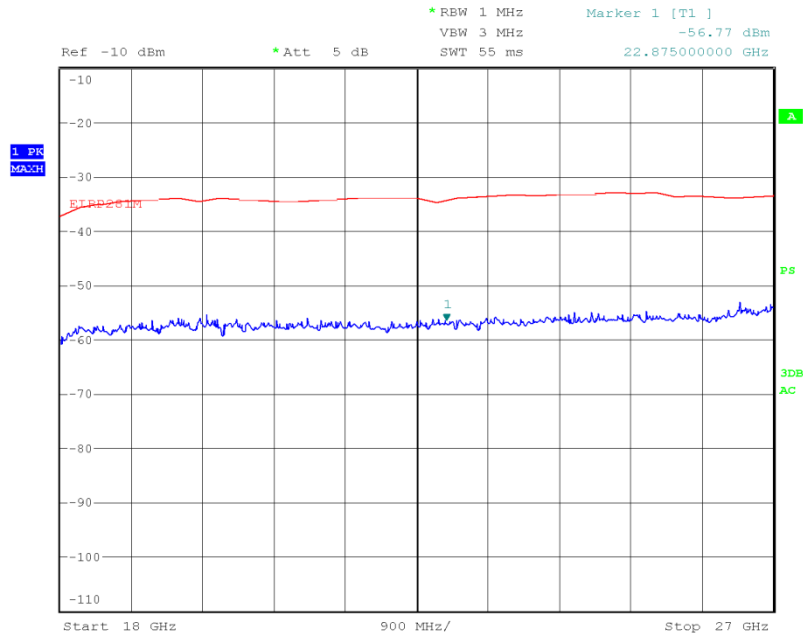


Date: 22.MAY.2015 01:40:50



Product Service

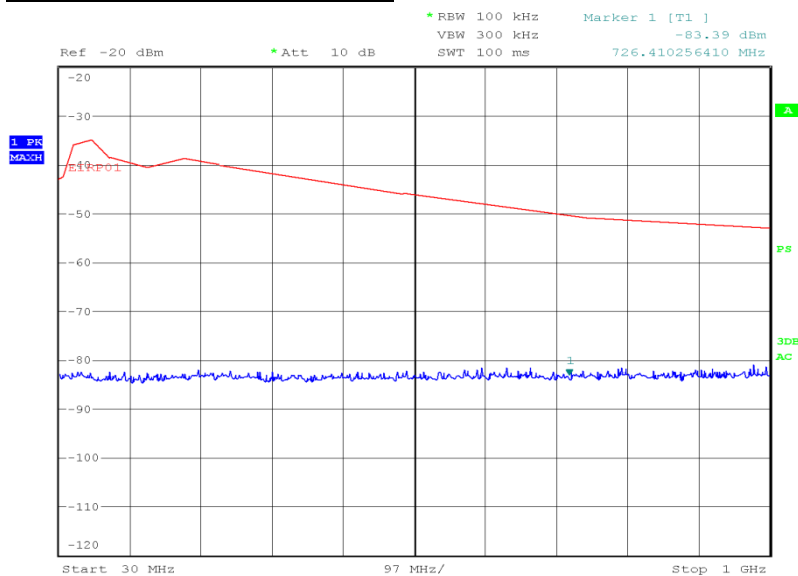
LTE TDD 41, 2680.0 MHz, 20.0 MHz Bandwidth, QPSK, 1 Resource Block – Low, 18 GHz to 27 GHz, Emisison Limitations Plot



Date: 17.MAY.2015 04:16:38

The limit line on the above plot is -25 dBm.

LTE TDD 41, 2506.0 MHz, 20.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 30 MHz to 1 GHz, Emisison Limitations Plot

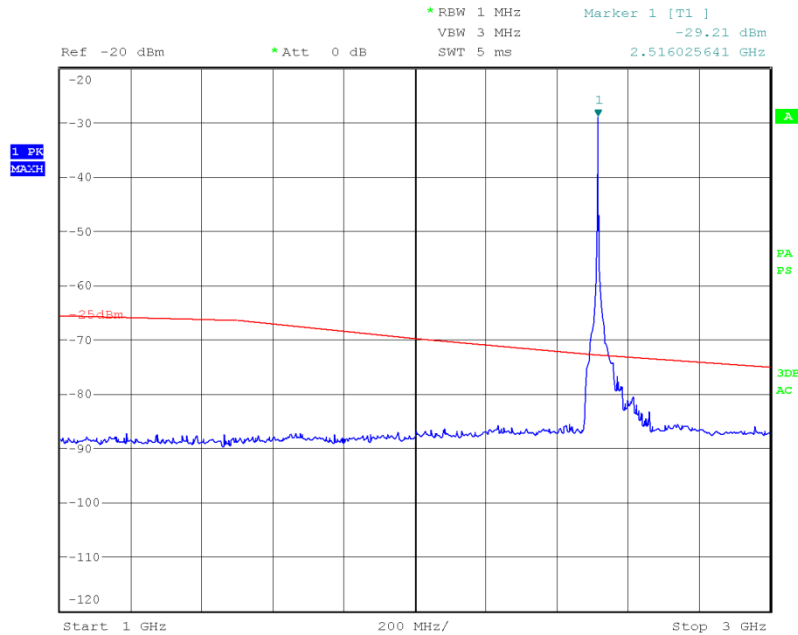


Date: 1.MAY.2015 05:50:46



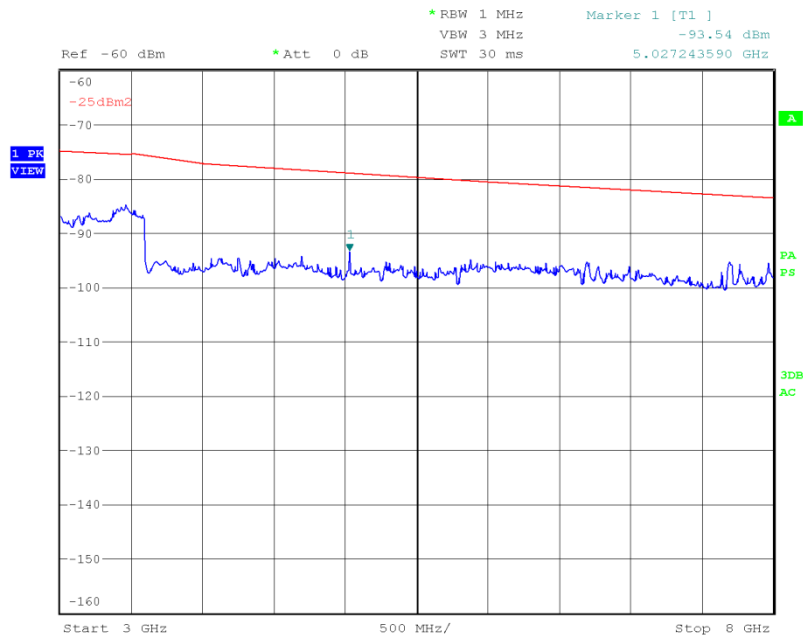
Product Service

LTE TDD 41, 2506.0 MHz, 20.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 1 GHz to 3 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 21:13:30

LTE TDD 41, 2506.0 MHz, 20.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 3 GHz to 8 GHz, Emisison Limitations Plot



Date: 21.MAY.2015 22:17:40



LTE TDD 41, 2506.0 MHz, 20.0 MHz Bandwidth, 16-QAM, 1 Resource Block – High, 18 GHz to 27 GHz, Emission Limitations Plot

