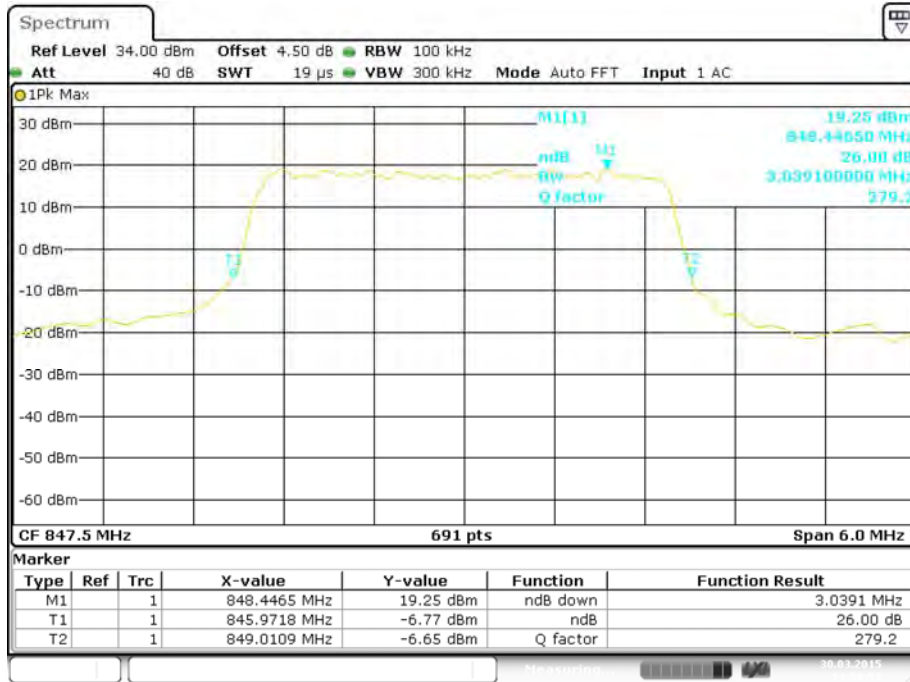
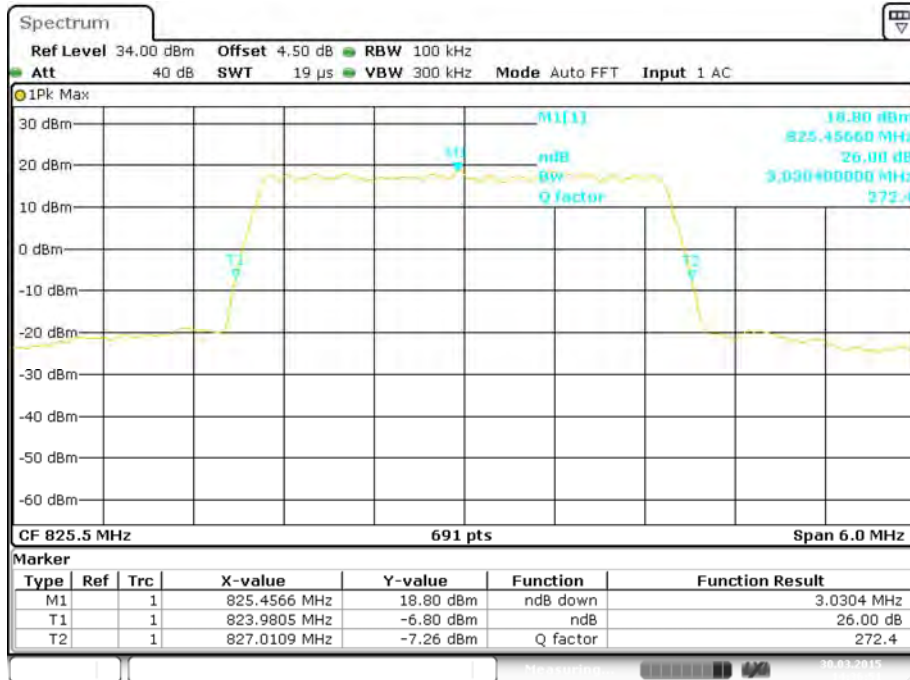


QPSK (3.0 MHz) - 26 dB Bandwidth, High channel



Date: 30.MAR.2015 14:50:52

16-QAM (3.0 MHz) - 26 dB Bandwidth, Low channel



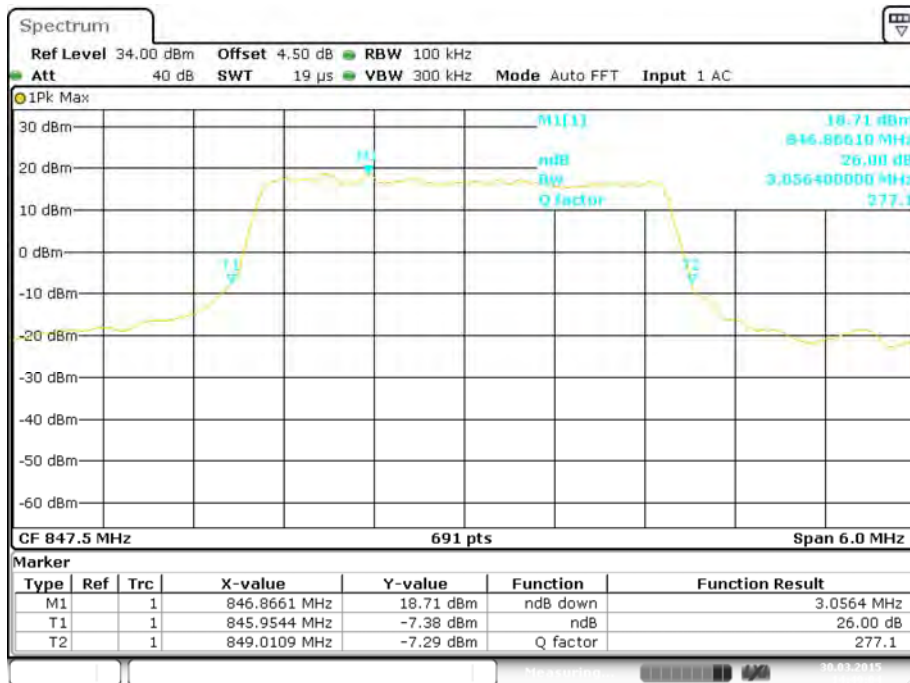
Date: 30.MAR.2015 14:36:51

16-QAM (3.0 MHz) - 26 dB Bandwidth, Middle channel



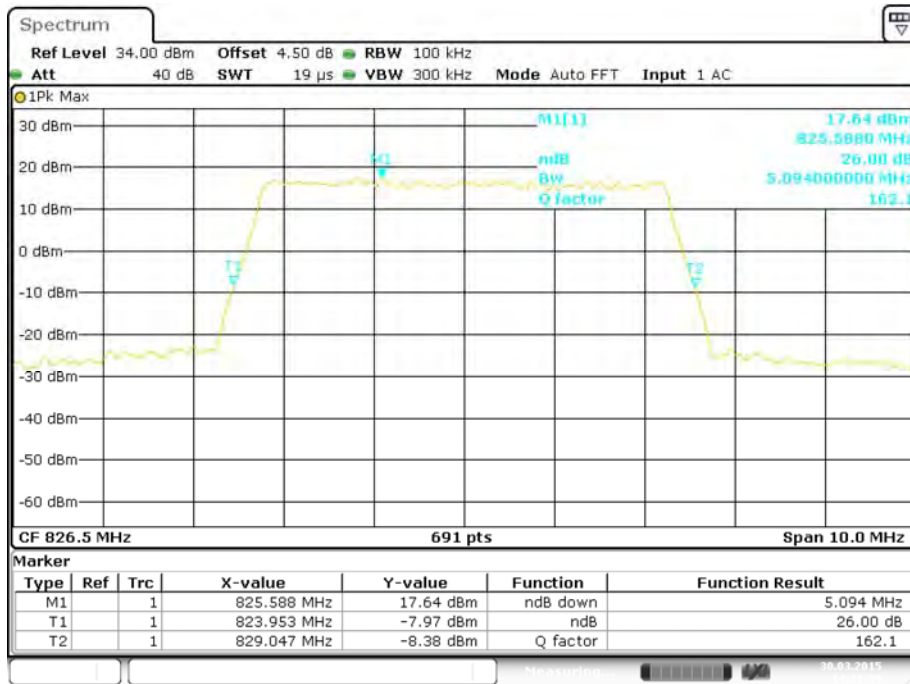
Date: 30.MAR.2015 14:34:28

16-QAM (3.0 MHz) - 26 dB Bandwidth, High channel

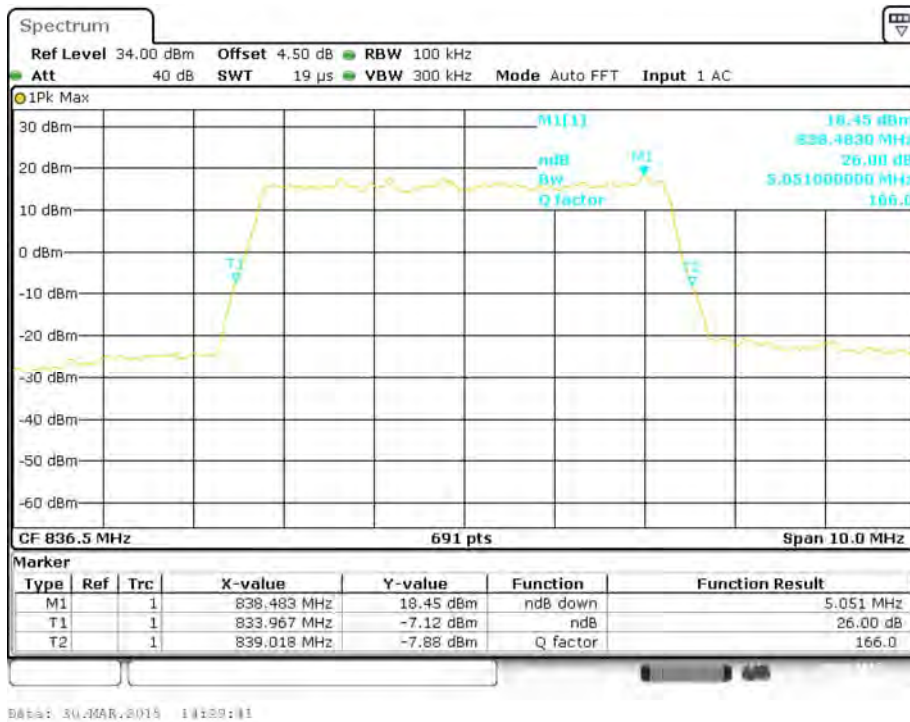


Date: 30.MAR.2015 14:49:04

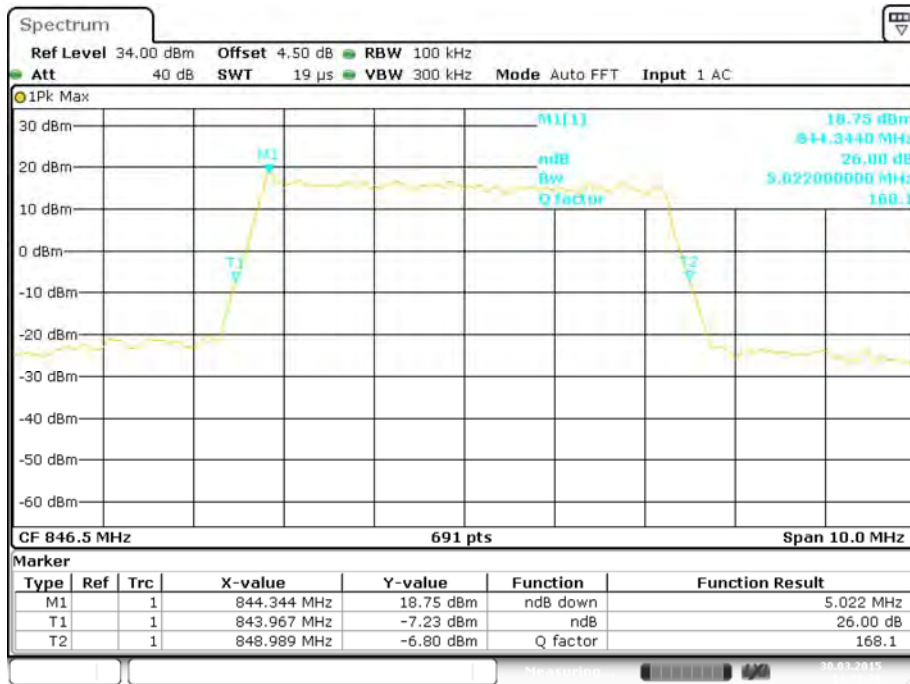
QPSK (5.0 MHz) - 26 dB Bandwidth, Low channel



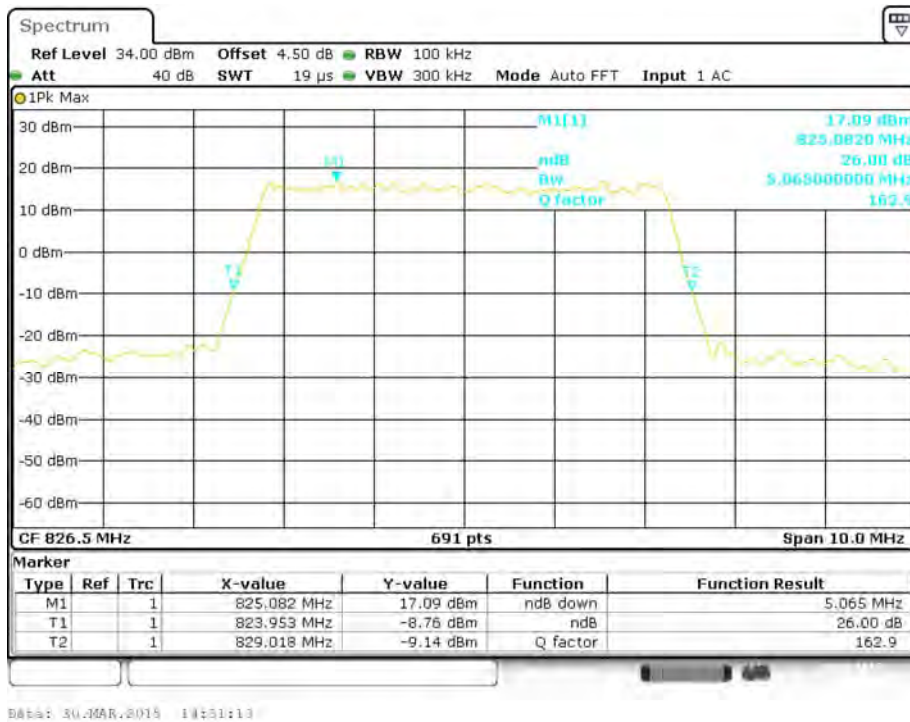
QPSK (5.0 MHz) - 26 dB Bandwidth, Middle channel



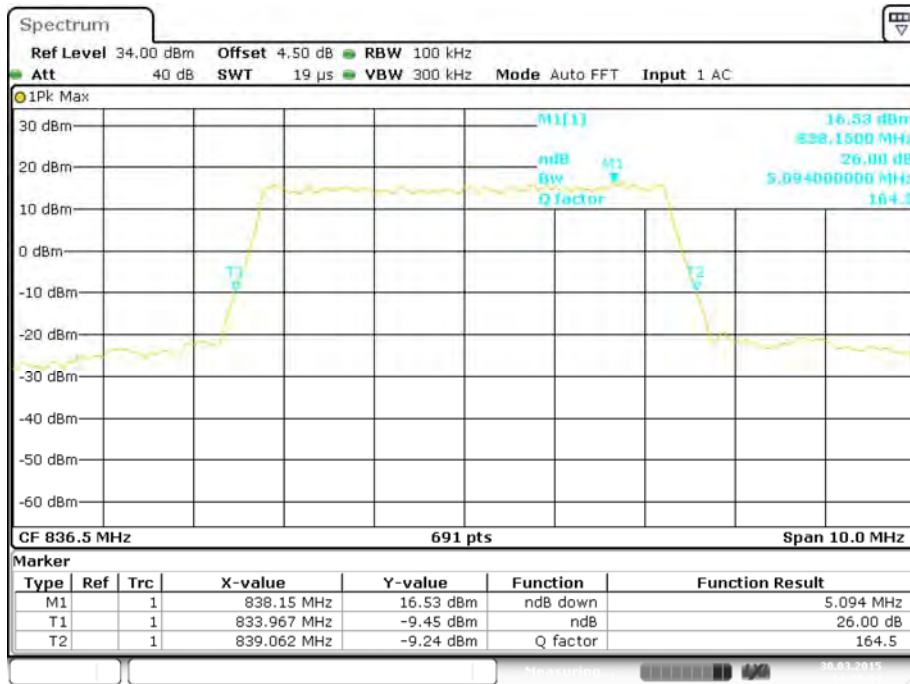
QPSK (5.0 MHz) - 26 dB Bandwidth, High channel



16-QAM (5.0 MHz) - 26 dB Bandwidth, Low channel

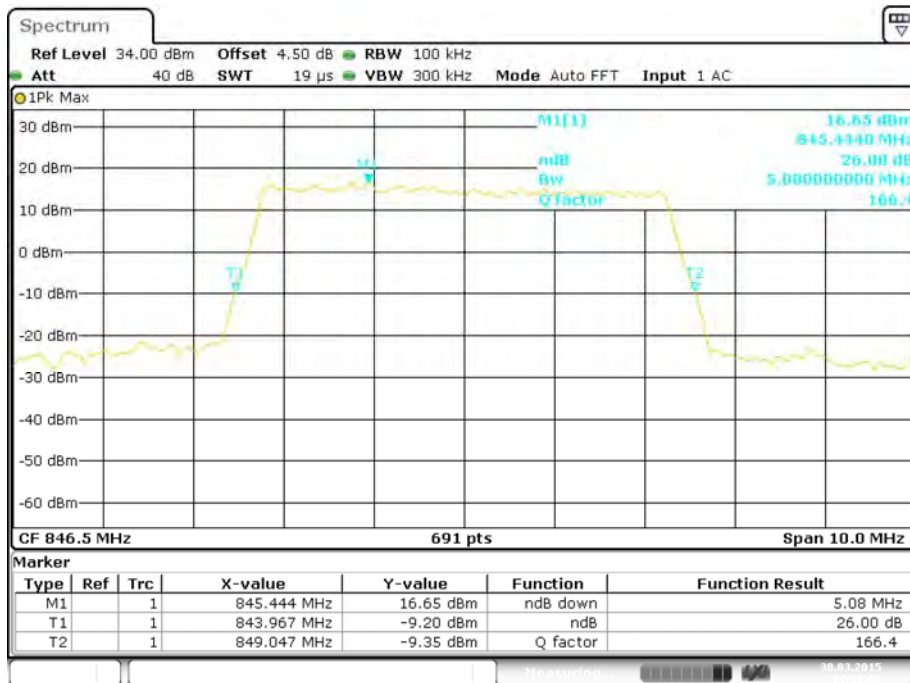


16-QAM (5.0 MHz) - 26 dB Bandwidth, Middle channel



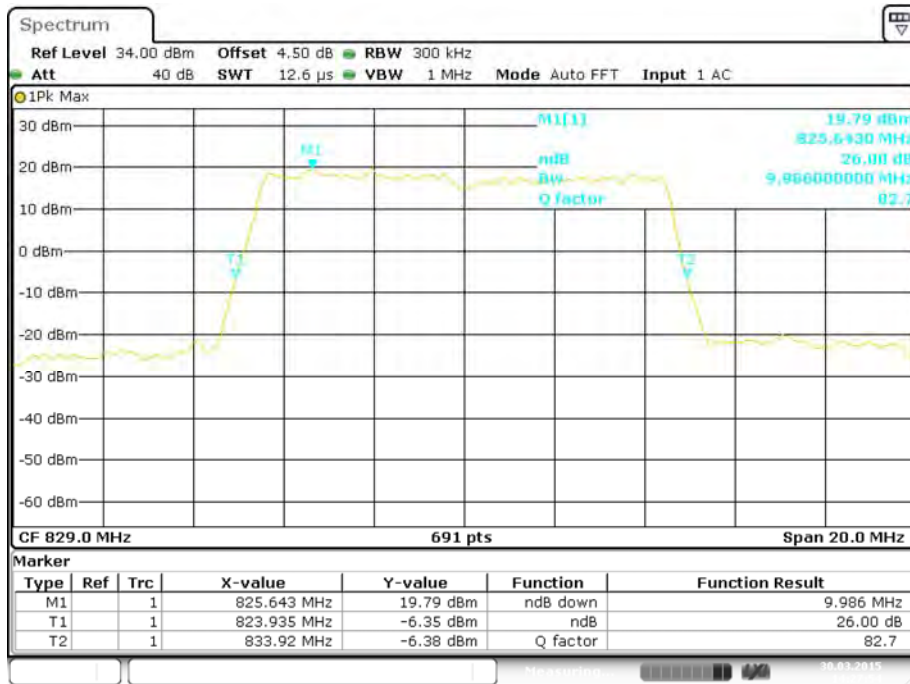
Date: 30.MAR.2015 14:30:35

16-QAM (5.0 MHz) - 26 dB Bandwidth, High channel



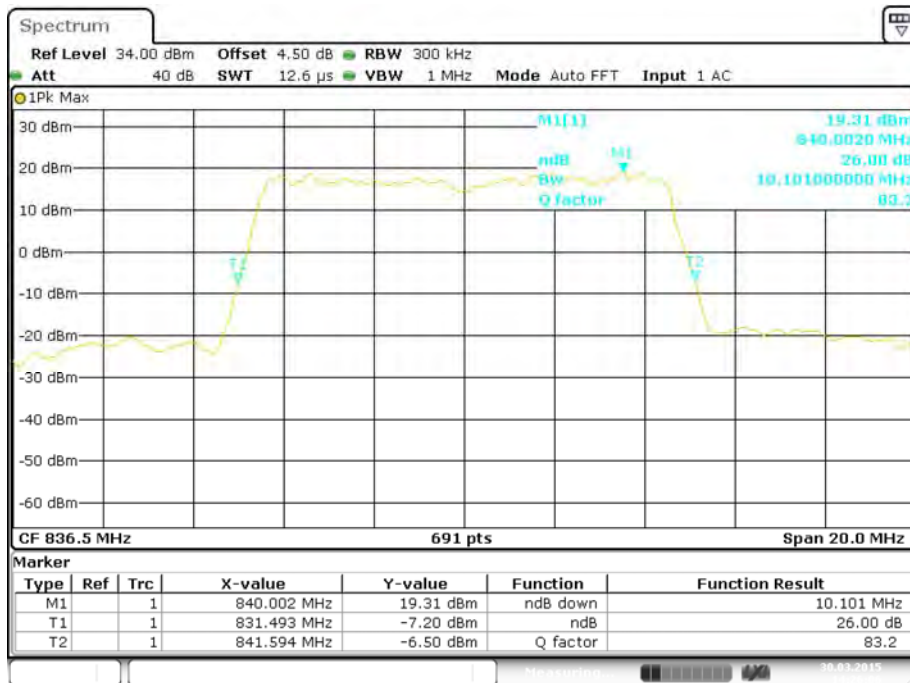
Date: 30.MAR.2015 14:33:06

QPSK (10.0 MHz) - 26 dB Bandwidth, Low channel



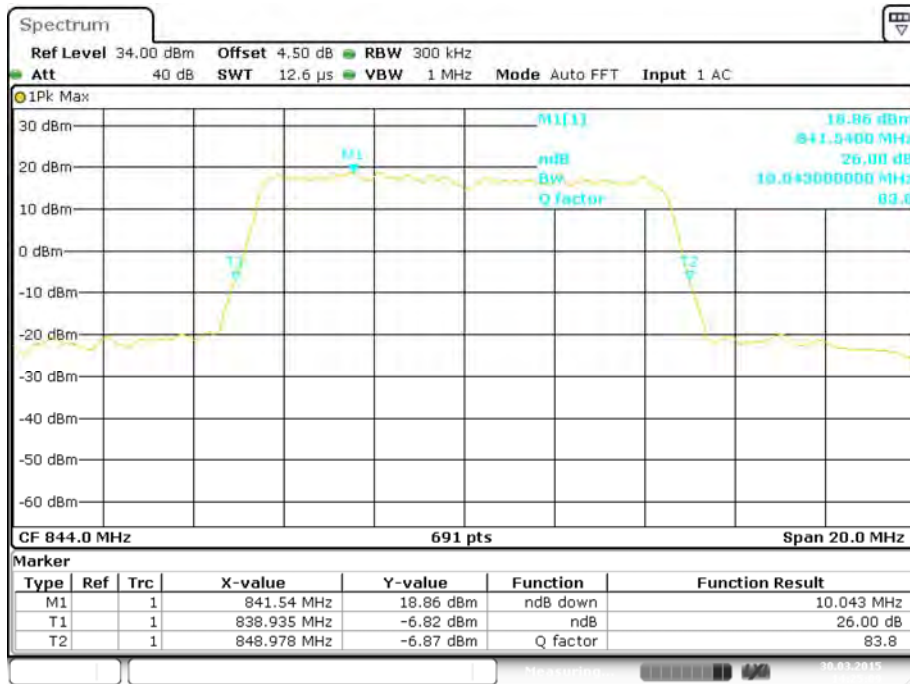
Date: 30.MAR.2015 14:27:54

QPSK (10.0 MHz) - 26 dB Bandwidth, Middle channel



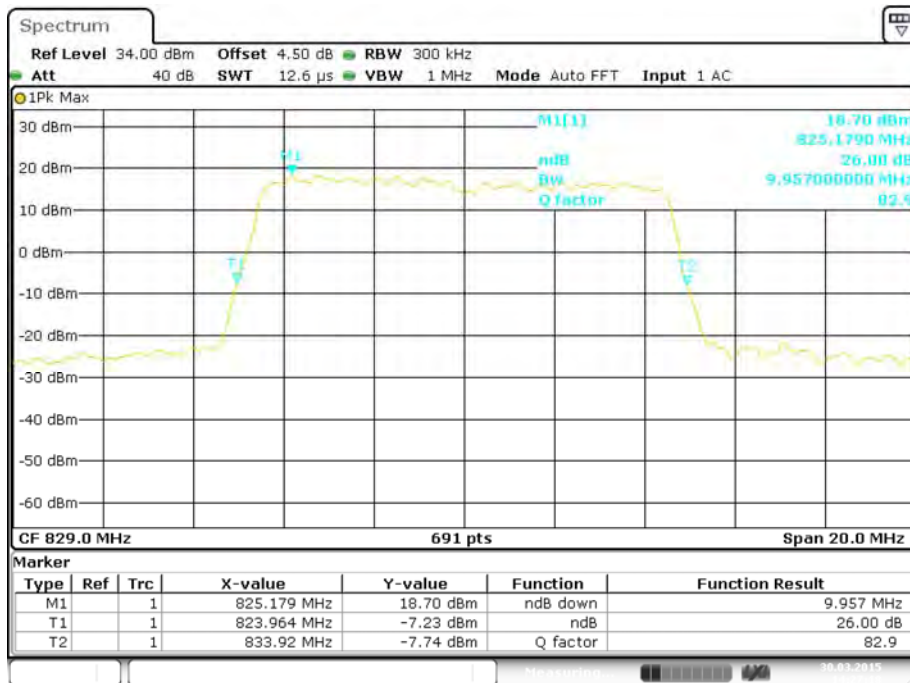
Date: 30.MAR.2015 14:26:07

QPSK (10.0 MHz) - 26 dB Bandwidth, High channel



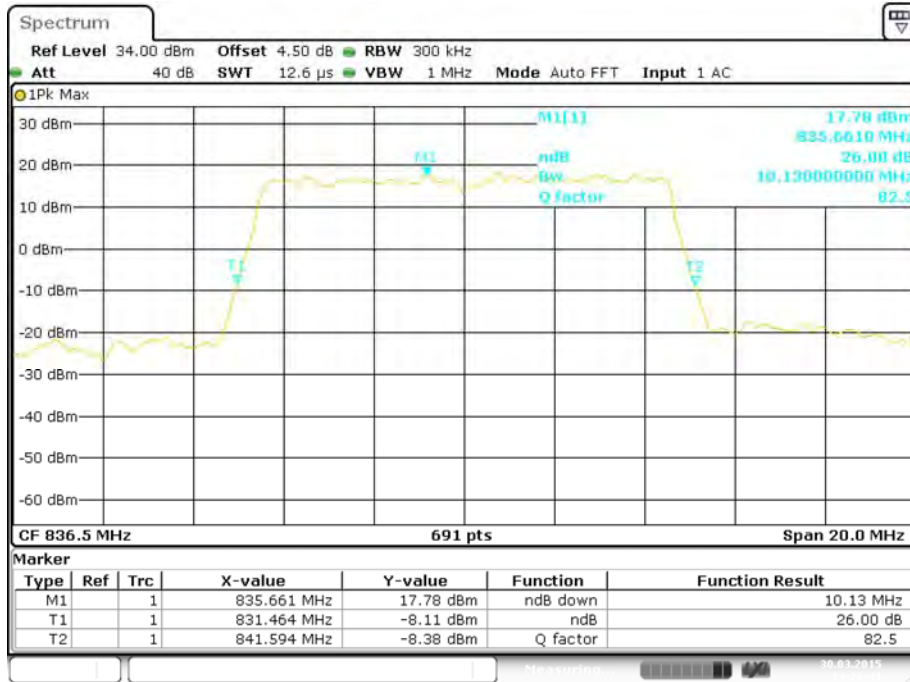
Date: 30.MAR.2015 14:25:09

16-QAM (10.0 MHz) - 26 dB Bandwidth, Low channel



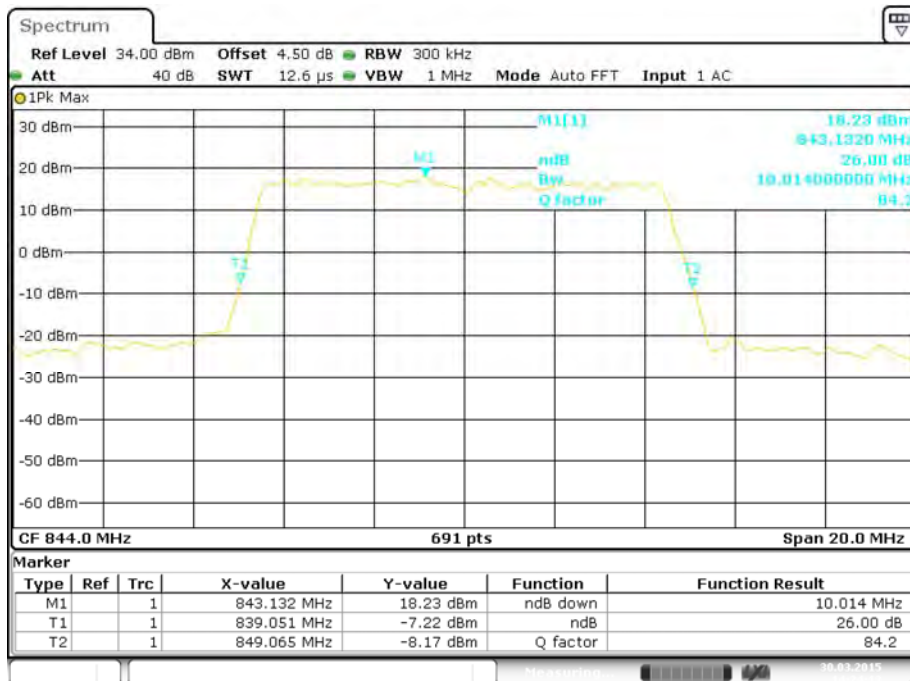
Date: 30.MAR.2015 14:27:18

16-QAM (10.0 MHz) - 26 dB Bandwidth, Middle channel



Date: 30.MAR.2015 14:26:41

16-QAM (10.0 MHz) - 26 dB Bandwidth, High channel



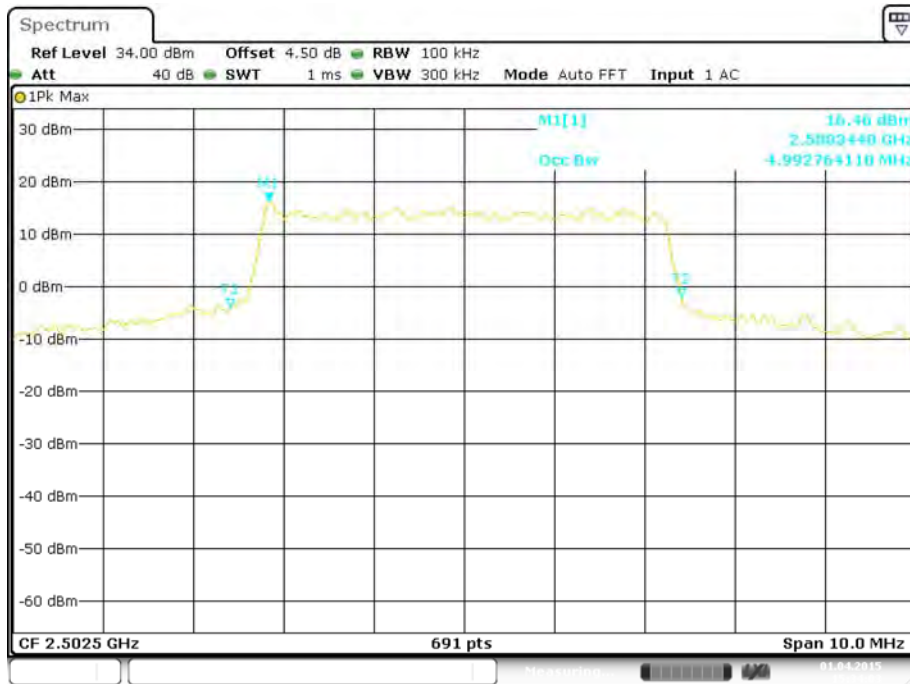
Date: 30.MAR.2015 14:24:13

Band 7:

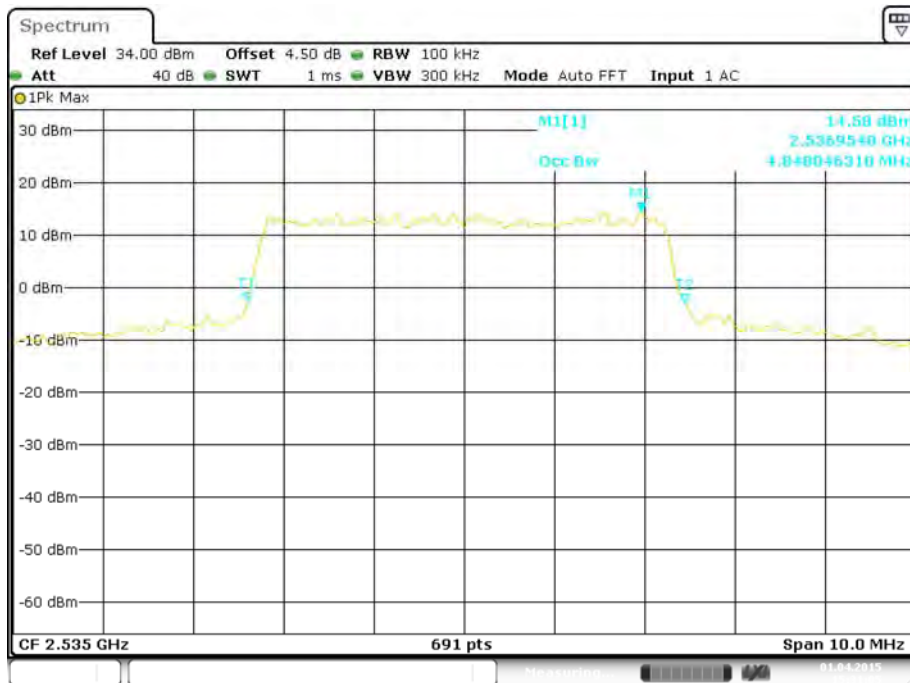
99% Occupied Bandwidth		Low channel (MHz)	Middle channel (MHz)	High channel (MHz)
5.0 MHz	QPSK	4.99	4.85	5.70
	16QAM	5.14	4.85	5.90
10.0 MHz	QPSK	9.41	9.55	10.97
	16QAM	10.07	9.52	9.55
15.0 MHz	QPSK	13.79	18.15	14.04
	16QAM	13.85	17.96	14.04
20.0 MHz	QPSK	19.08	19.64	19.16
	16QAM	18.90	19.16	19.16

26 dB Emission Bandwidth		Low channel (MHz)	Middle channel (MHz)	High channel (MHz)
5.0 MHz	QPSK	5.70	5.17	5.08
	16QAM	5.67	5.17	5.11
10.0 MHz	QPSK	11.35	10.56	15.60
	16QAM	11.03	10.13	11.38
15.0 MHz	QPSK	15.80	16.02	14.89
	16QAM	16.80	15.07	15.37
20.0 MHz	QPSK	20.48	20.24	20.54
	16QAM	20.61	20.18	20.73

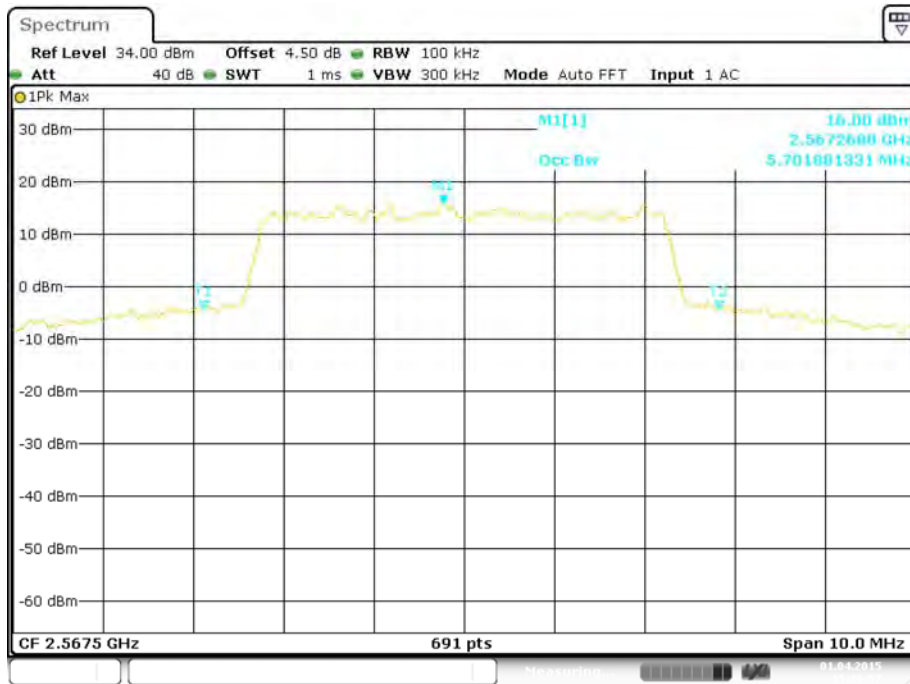
QPSK (5.0 MHz) - 99% Occupied Bandwidth, Low channel



QPSK (5.0 MHz) - 99% Occupied Bandwidth, Middle channel



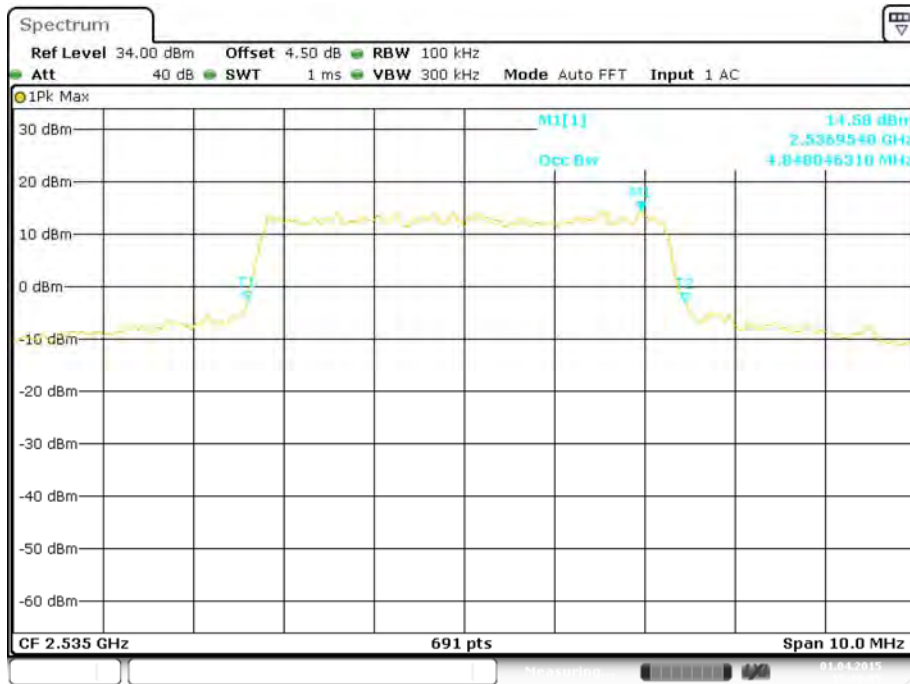
QPSK (5.0 MHz) - 99% Occupied Bandwidth, High channel



16-QAM (5.0 MHz) - 99% Occupied Bandwidth, Low channel



16-QAM (5.0 MHz) - 99% Occupied Bandwidth, Middle channel



16-QAM (5.0 MHz) - 99% Occupied Bandwidth, High channel



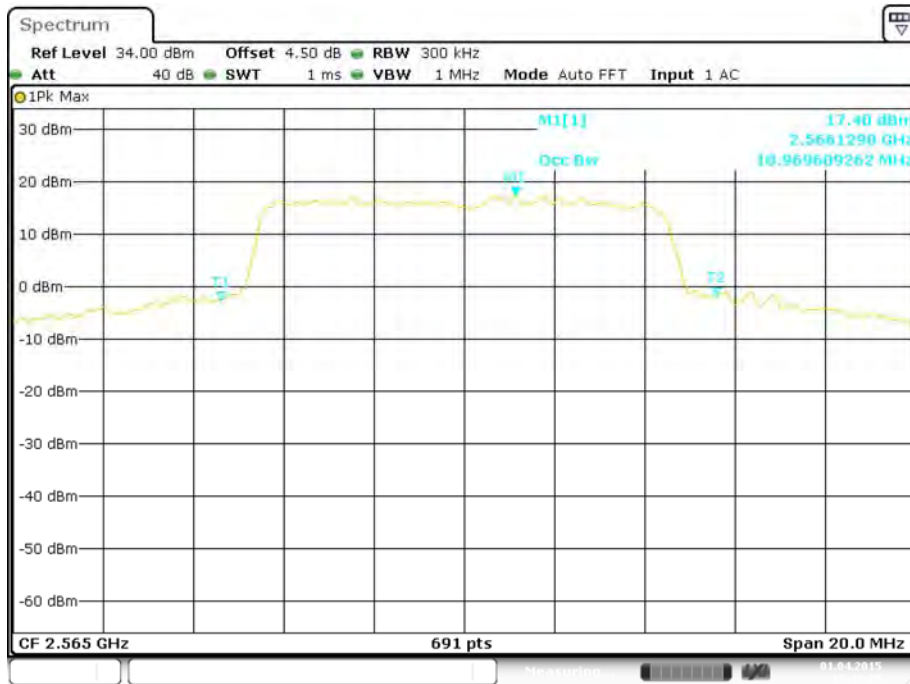
QPSK (10.0 MHz) - 99% Occupied Bandwidth, Low channel



QPSK (10.0 MHz) - 99% Occupied Bandwidth, Middle channel



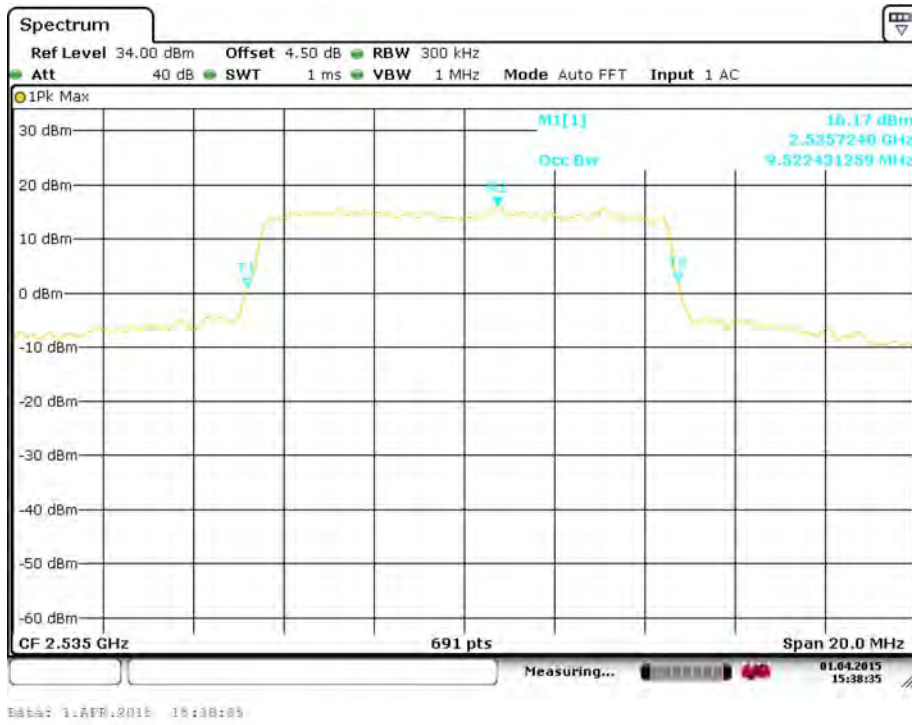
QPSK (10.0 MHz) - 99% Occupied Bandwidth, High channel



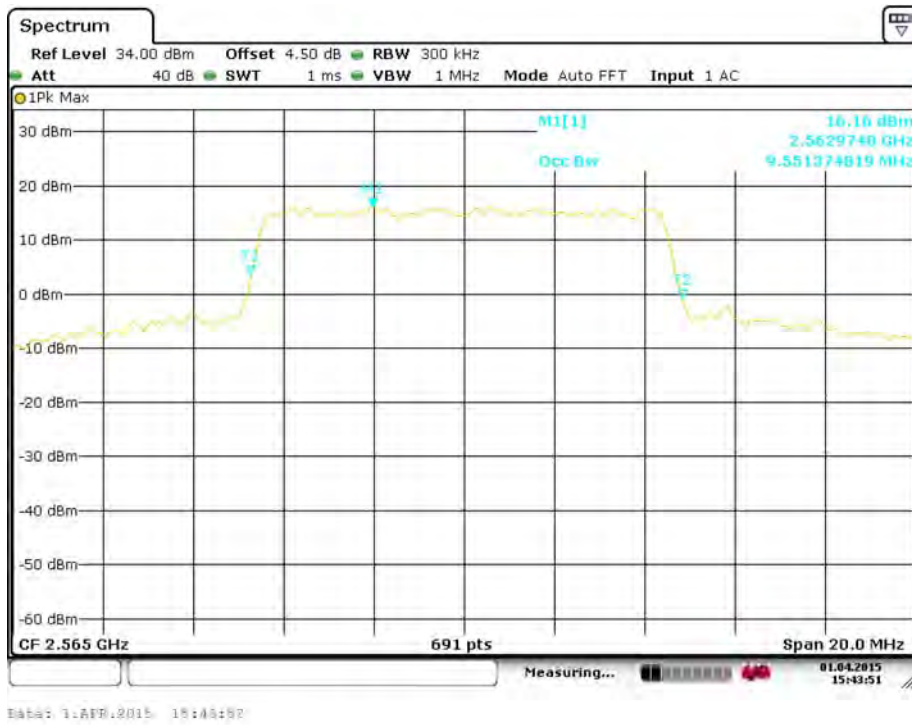
16-QAM (10.0 MHz) - 99% Occupied Bandwidth, Low channel



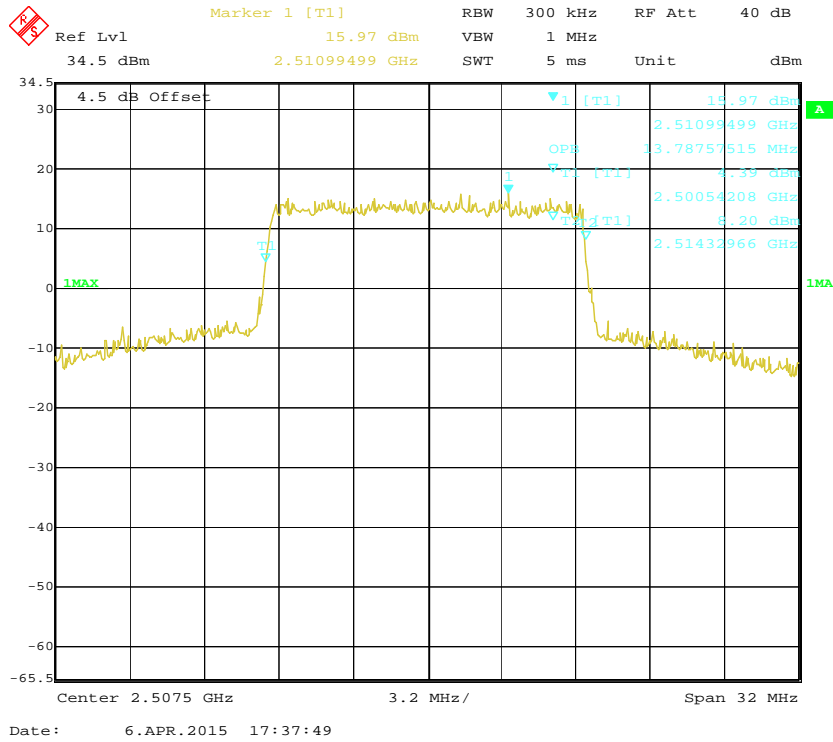
16-QAM (10.0 MHz) - 99% Occupied Bandwidth, Middle channel



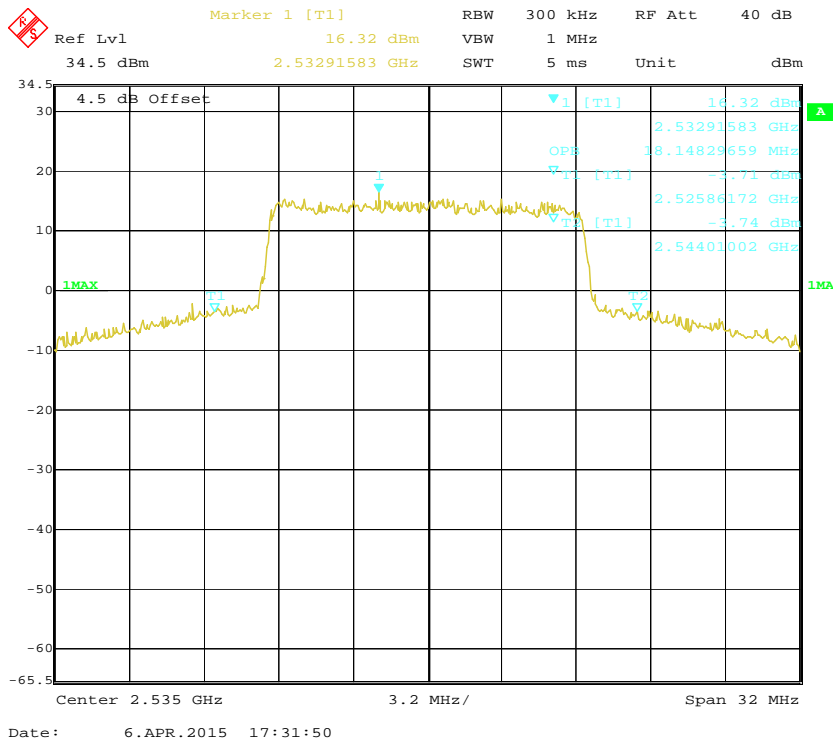
16-QAM (10.0 MHz) - 99% Occupied Bandwidth, High channel



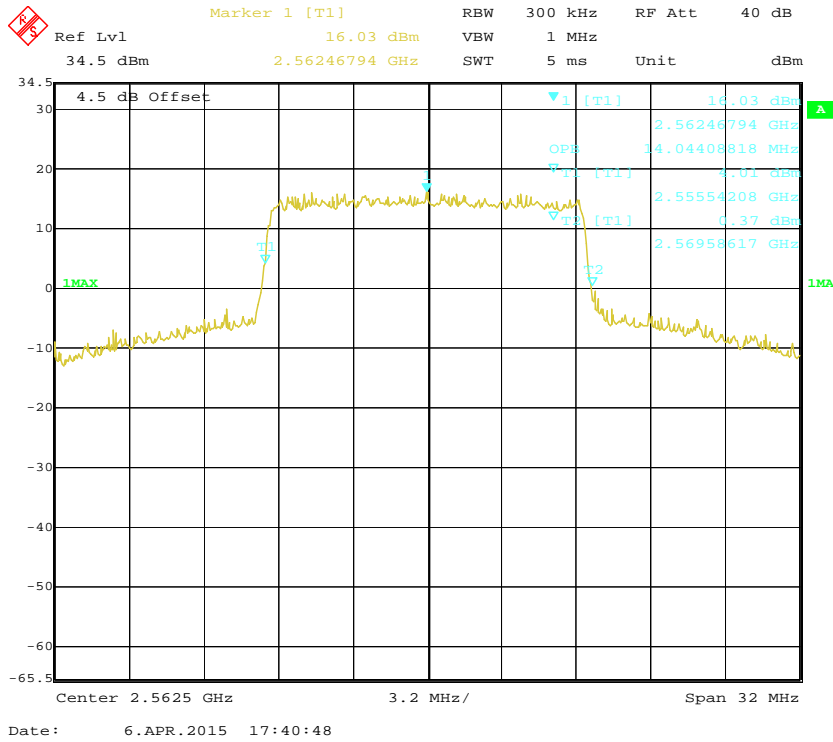
QPSK (15.0 MHz) - 99% Occupied Bandwidth, Low channel



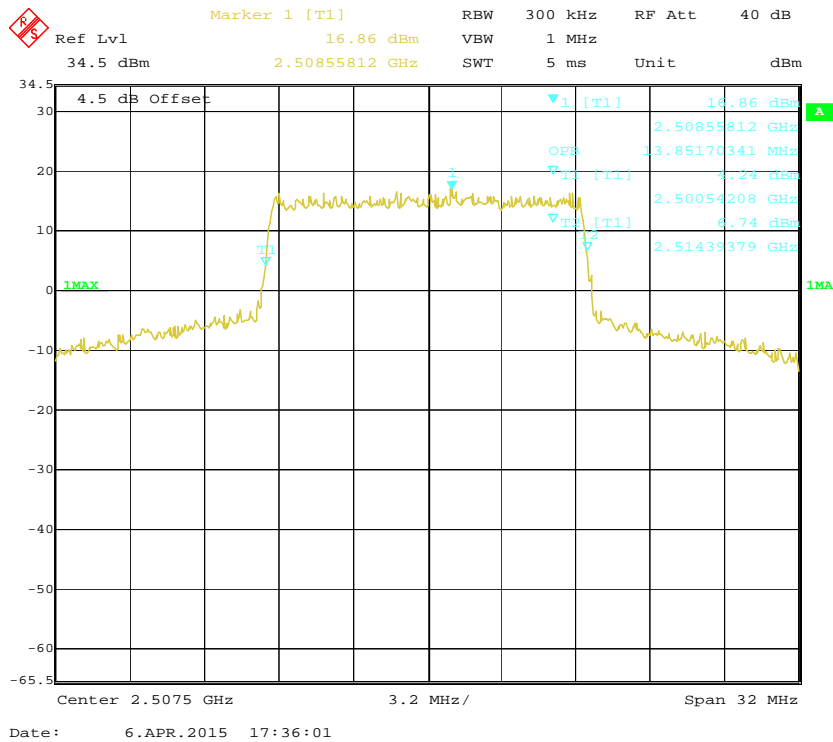
QPSK (15.0 MHz) - 99% Occupied Bandwidth, Middle channel



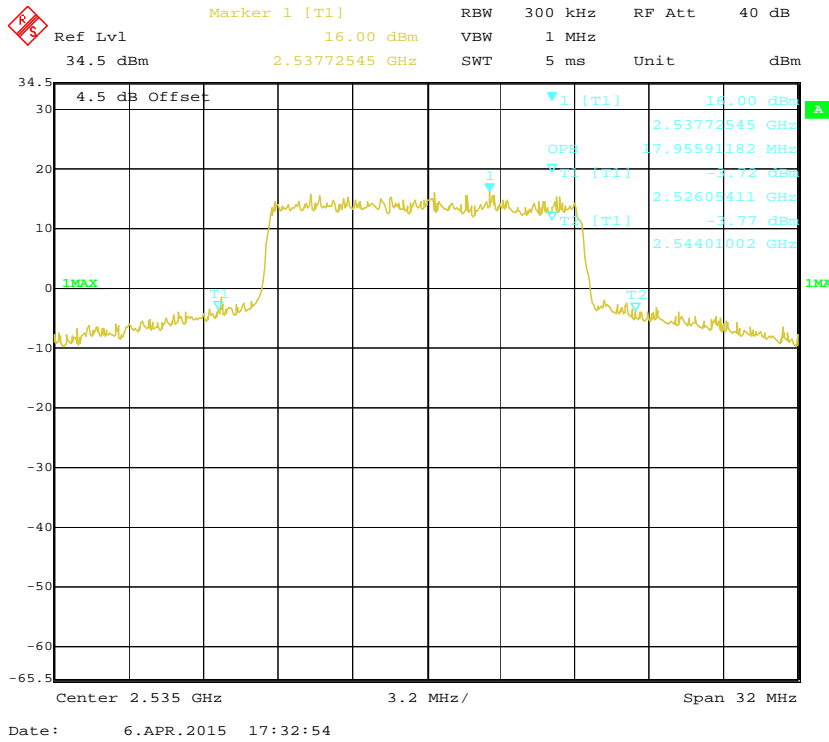
QPSK (15.0 MHz) - 99% Occupied Bandwidth, High channel



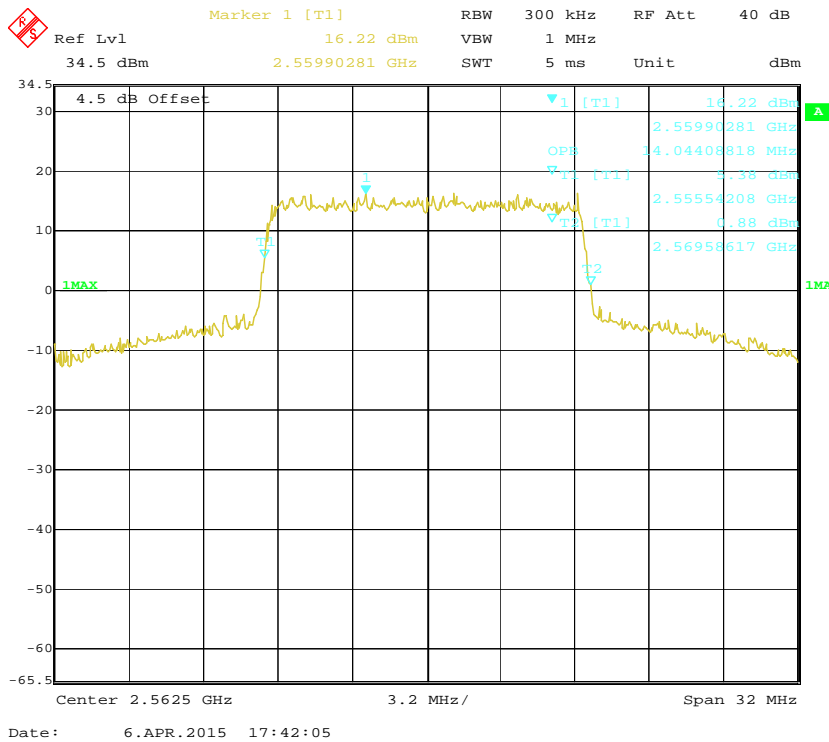
16-QAM (15.0 MHz) - 99% Occupied Bandwidth, Low channel



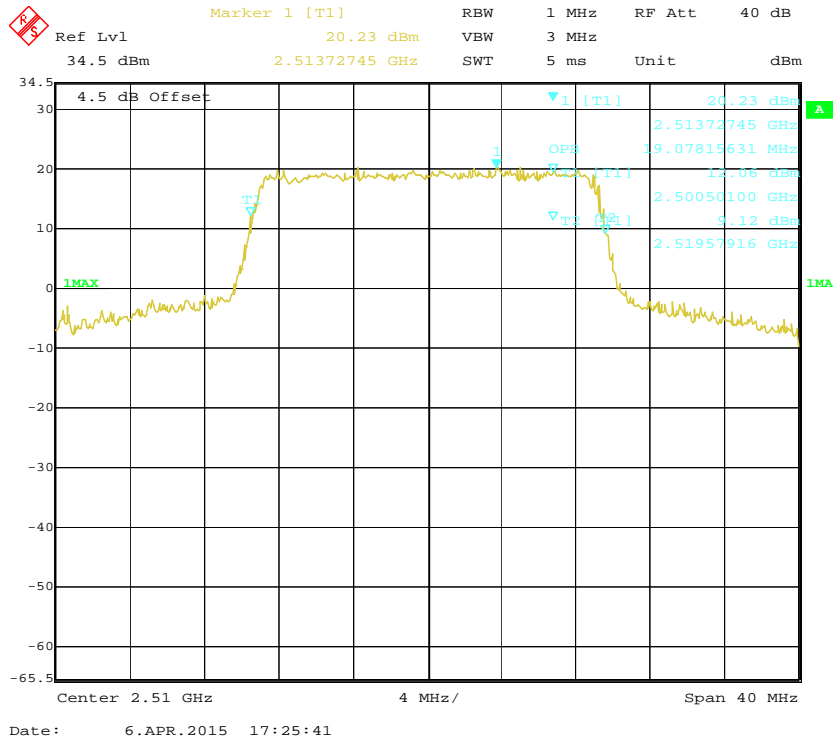
16-QAM (15.0 MHz) - 99% Occupied Bandwidth, Middle channel



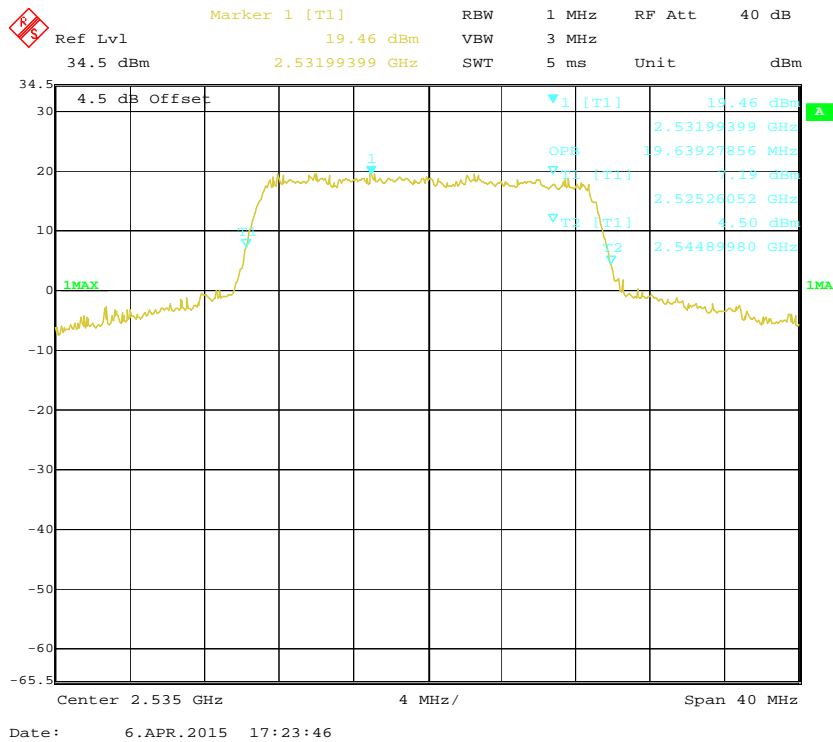
16-QAM (15.0 MHz) - 99% Occupied Bandwidth, High channel



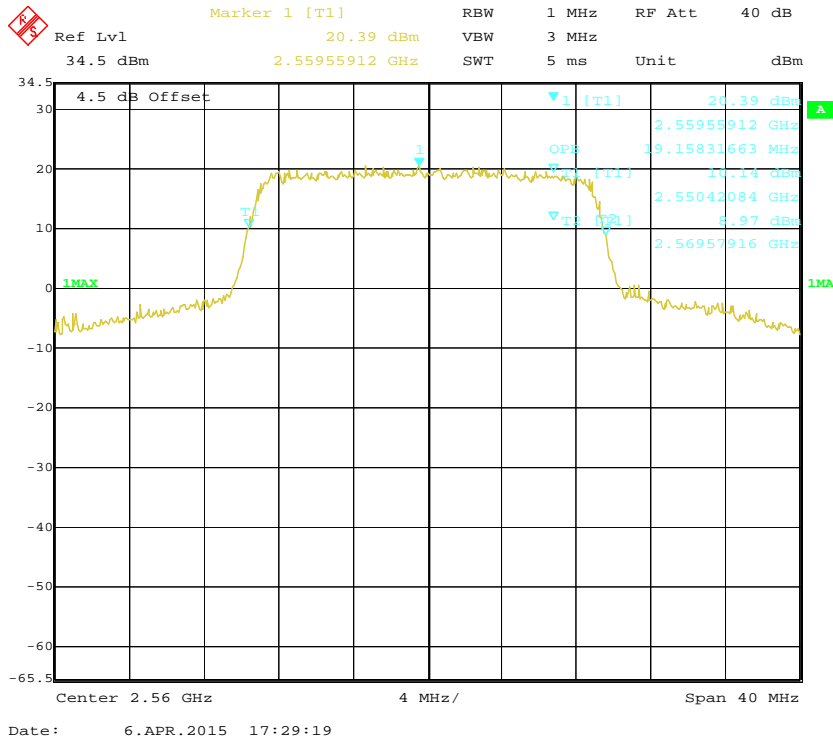
QPSK (20.0 MHz) - 99% Occupied Bandwidth, Low channel



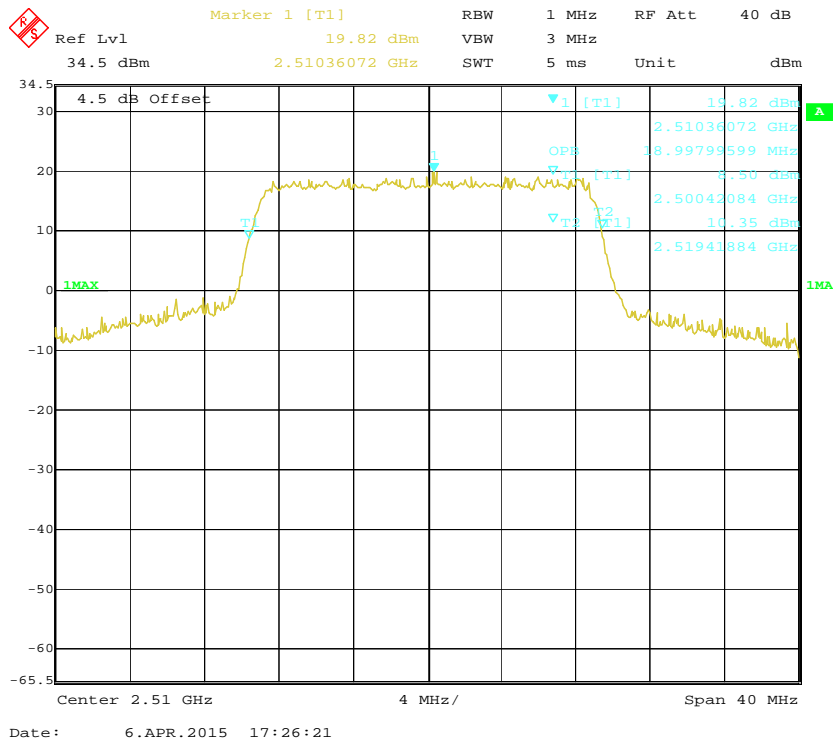
QPSK (20.0 MHz) - 99% Occupied Bandwidth, Middle channel



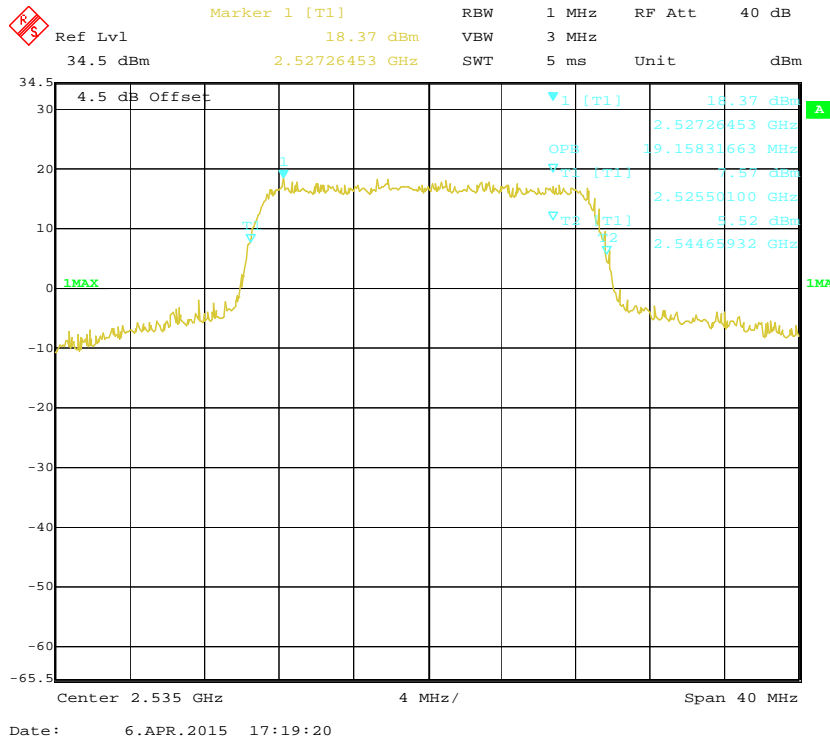
QPSK (20.0 MHz) - 99% Occupied Bandwidth, High channel



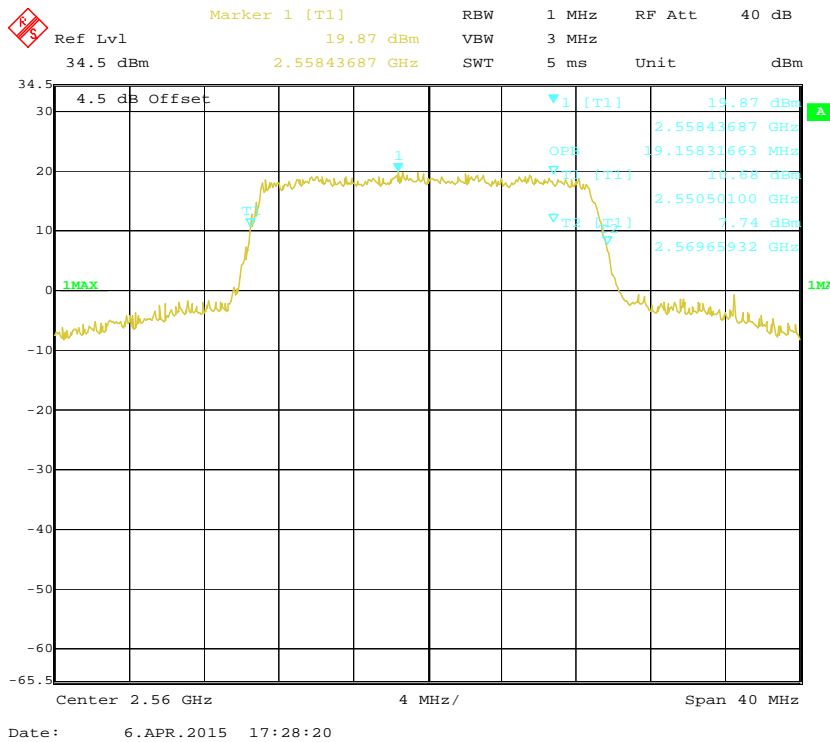
16-QAM (20.0 MHz) - 99% Occupied Bandwidth, Low channel



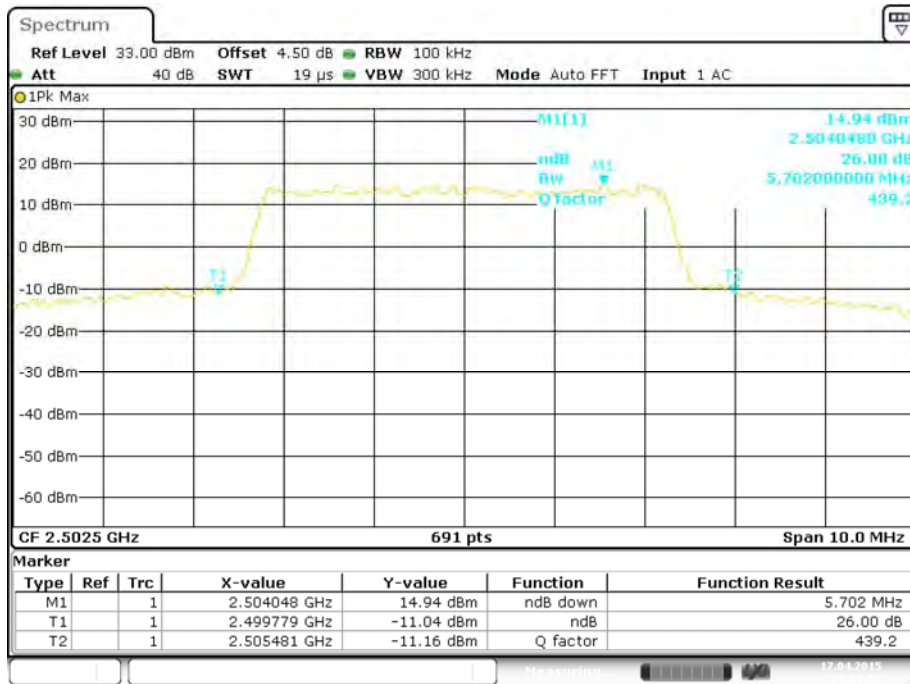
16-QAM (20.0 MHz) - 99% Occupied Bandwidth, Middle channel



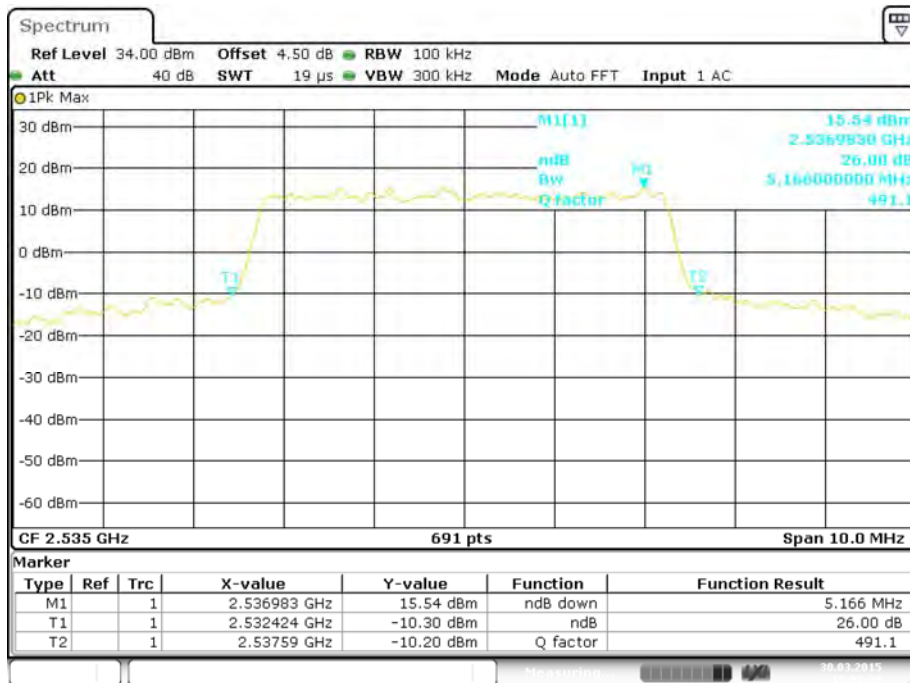
16-QAM (20.0 MHz) - 99% Occupied Bandwidth, High channel



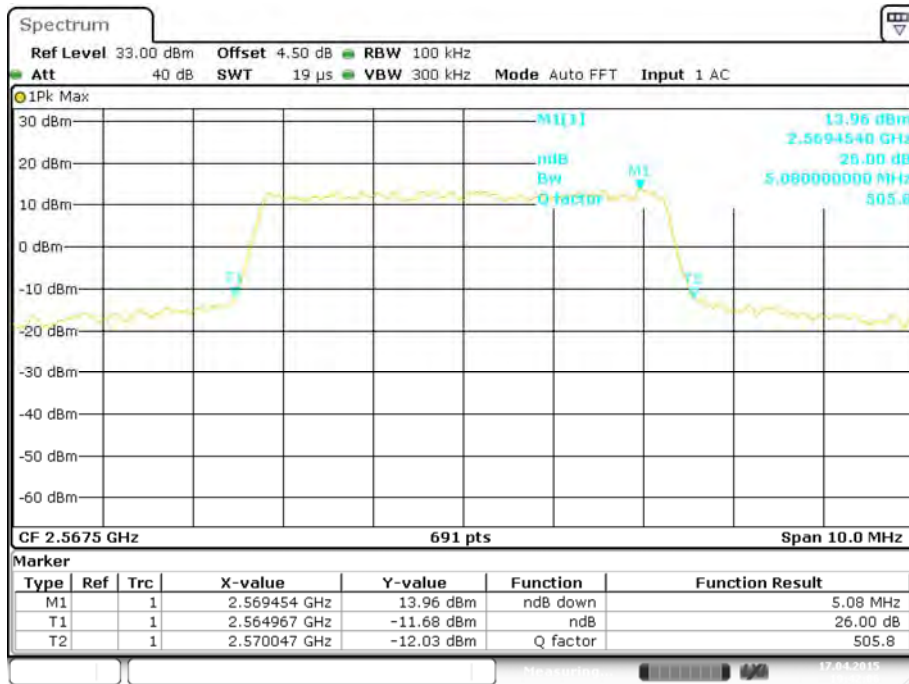
QPSK (5.0 MHz) - 26 dB Bandwidth, Low channel



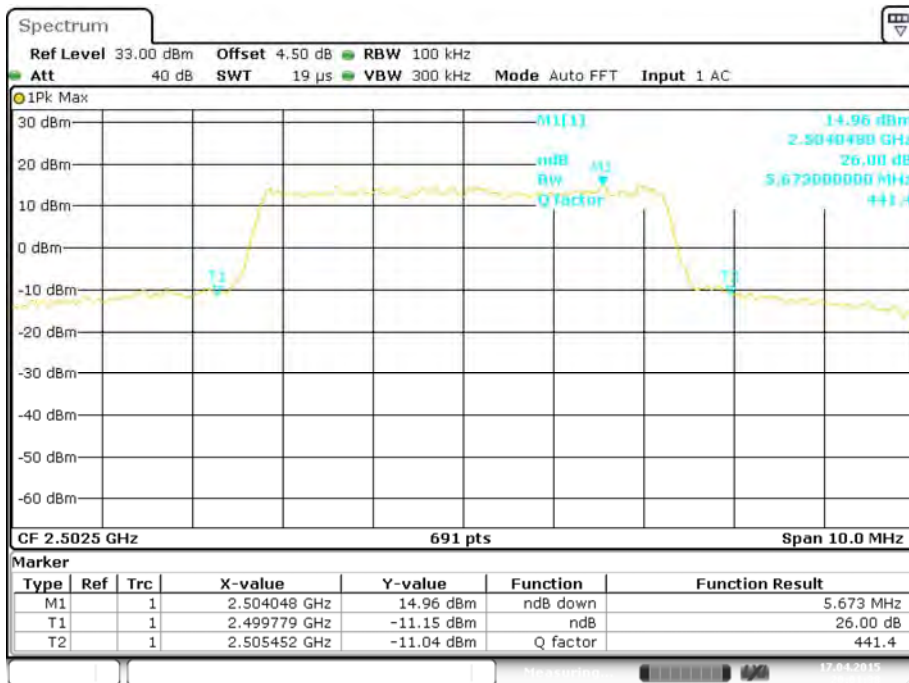
QPSK (5.0 MHz) - 26 dB Bandwidth, Middle channel



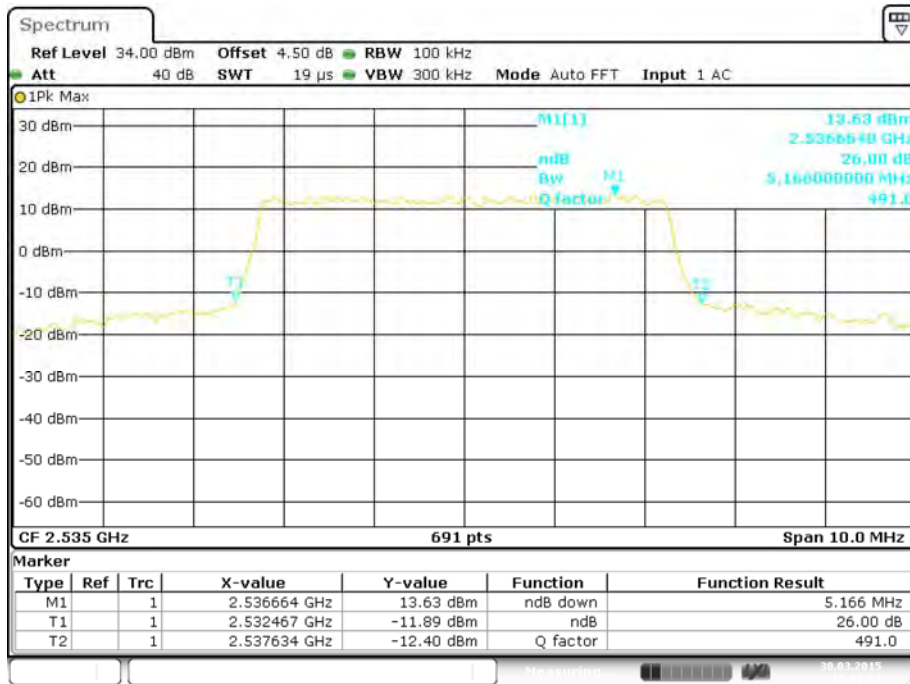
QPSK (5.0 MHz) - 26 dB Bandwidth, High channel



16-QAM (5.0 MHz) - 26 dB Bandwidth, Low channel

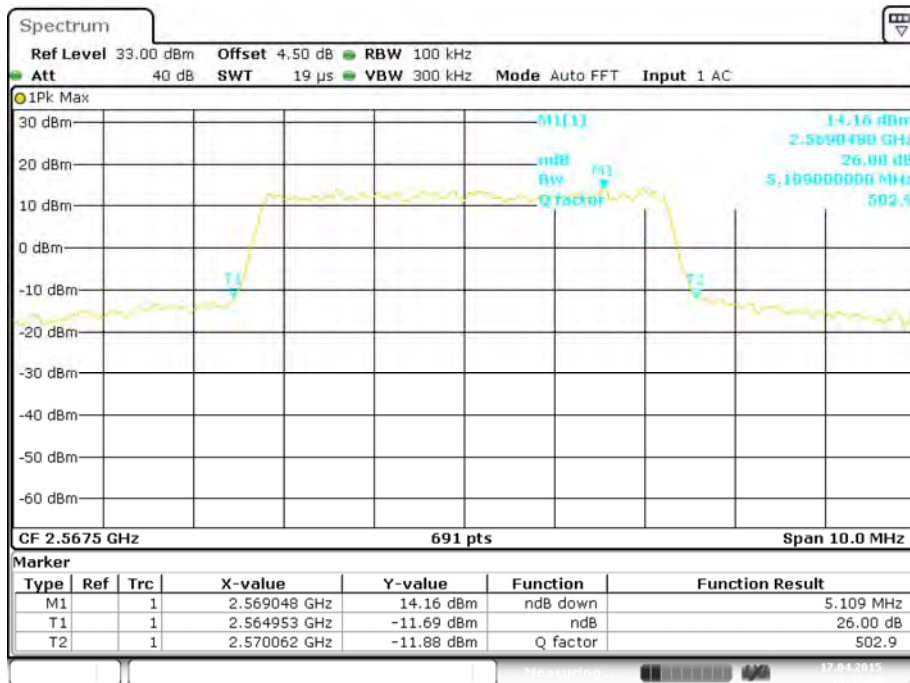


16-QAM (5.0 MHz) - 26 dB Bandwidth, Middle channel



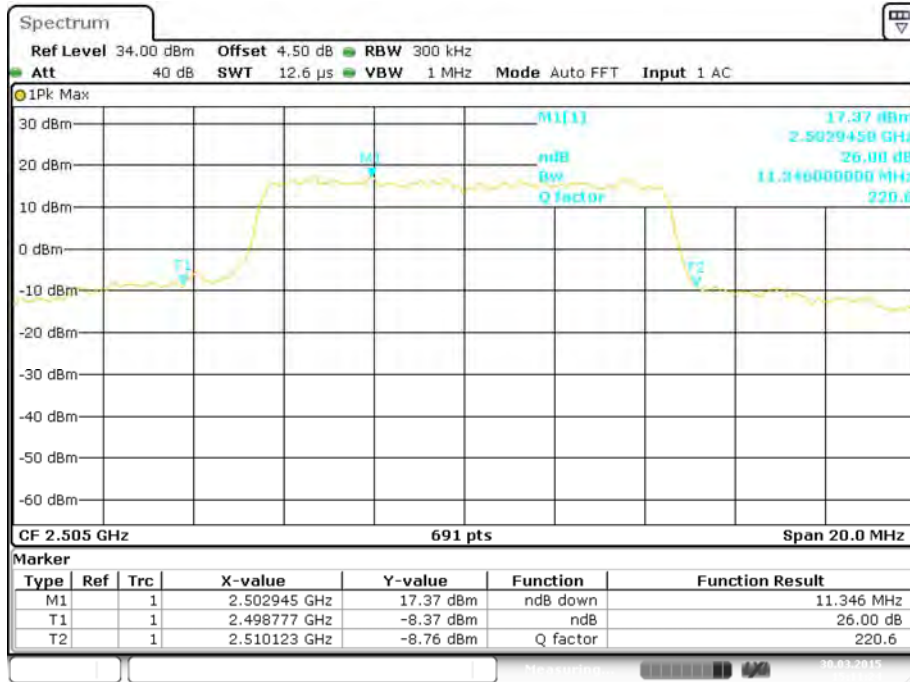
Date: 30.MAR.2015 15:01:31

16-QAM (5.0 MHz) - 26 dB Bandwidth, High channel



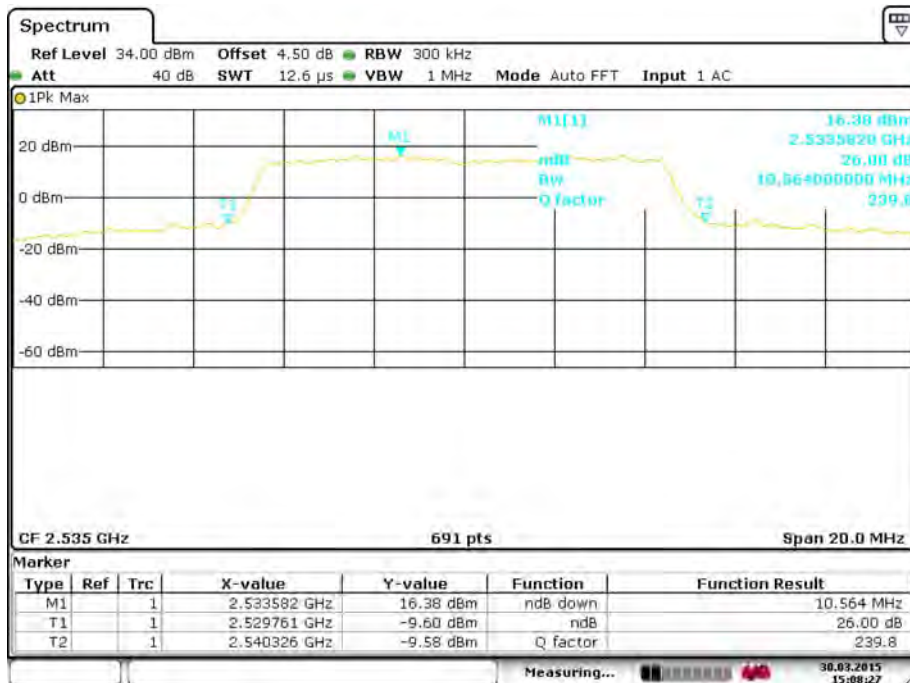
Date: 17.APR.2015 19:43:08

QPSK (10.0 MHz) - 26 dB Bandwidth, Low channel



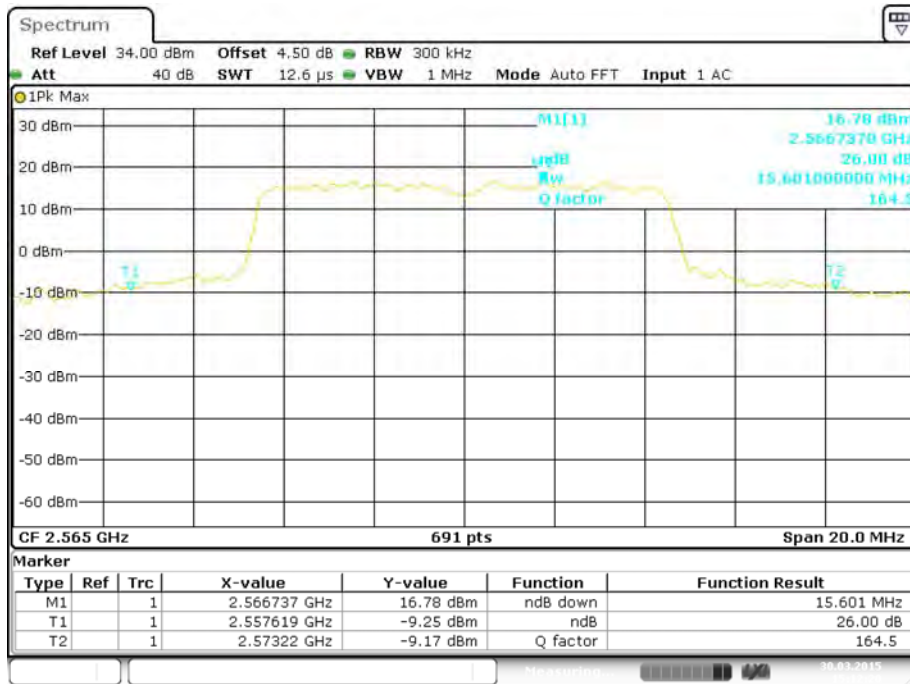
Date: 30.MAR.2015 15:11:25

QPSK (10.0 MHz) - 26 dB Bandwidth, Middle channel



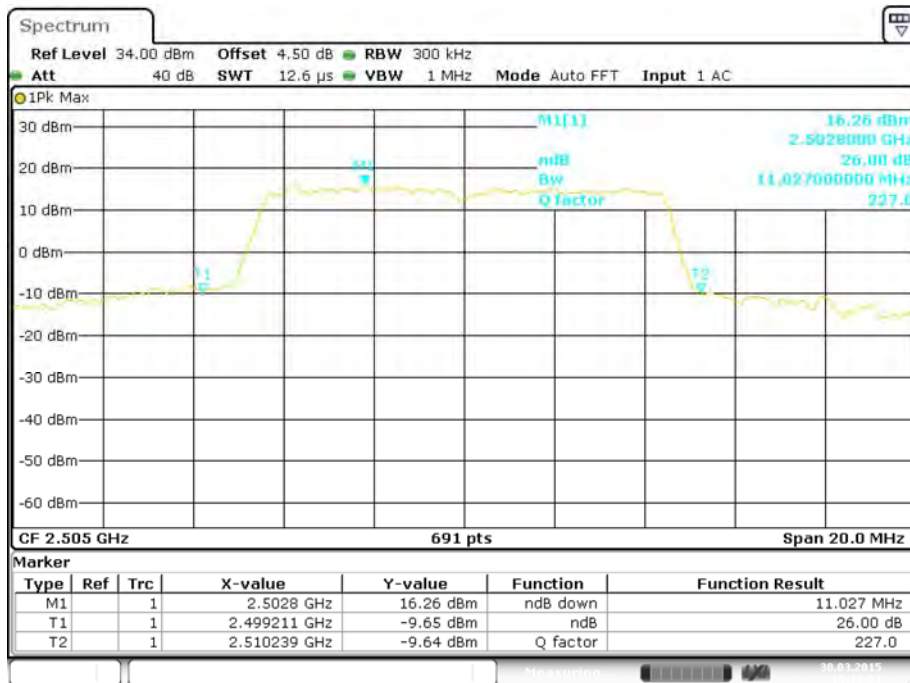
Date: 30.MAR.2015 15:09:27

QPSK (10.0 MHz) - 26 dB Bandwidth, High channel



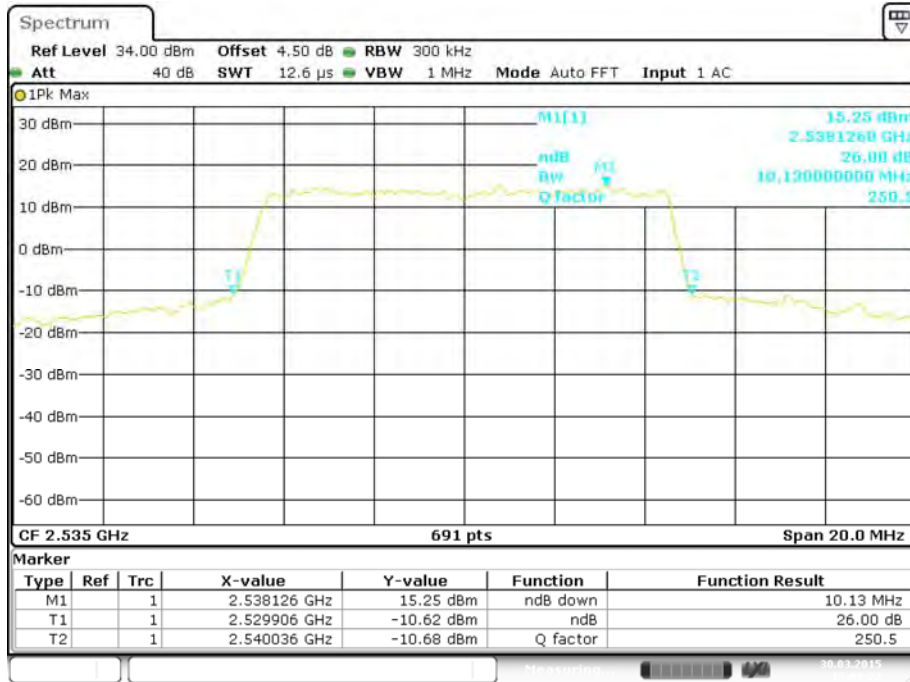
Date: 30.MAR.2015 15:12:21

16-QAM (10.0 MHz) - 26 dB Bandwidth, Low channel



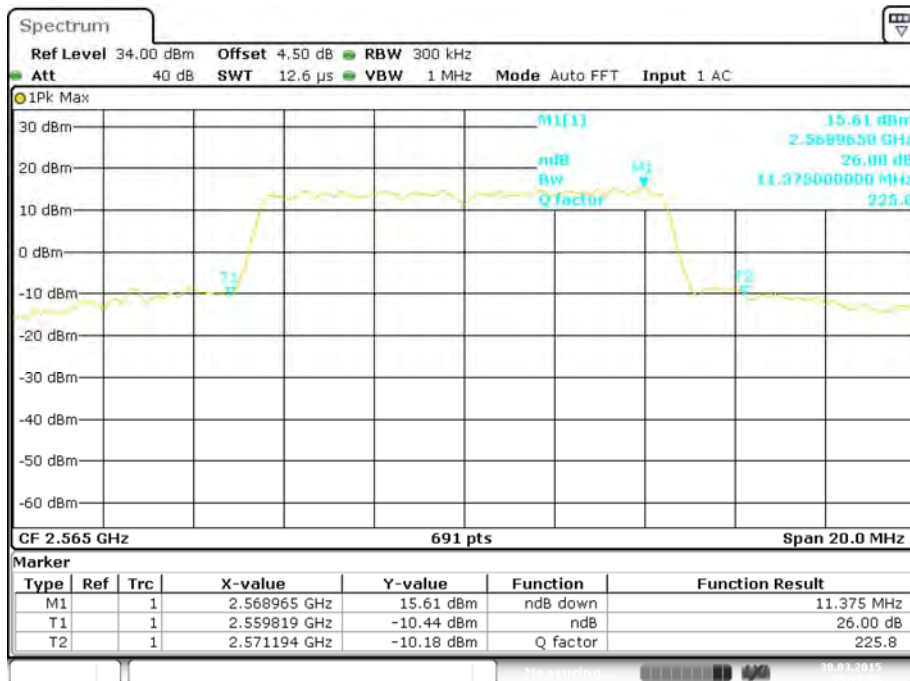
Date: 30.MAR.2015 15:10:22

16-QAM (10.0 MHz) - 26 dB Bandwidth, Middle channel



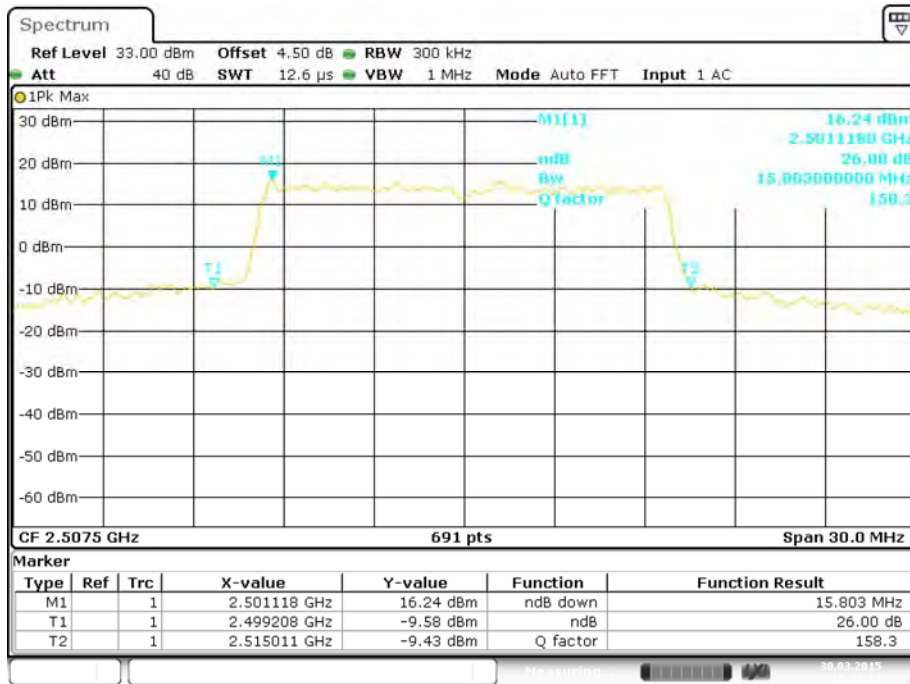
Date: 30.MAR.2015 15:09:23

16-QAM (10.0 MHz) - 26 dB Bandwidth, High channel



Date: 30.MAR.2015 15:12:56

QPSK (15.0 MHz) - 26 dB Bandwidth, Low channel



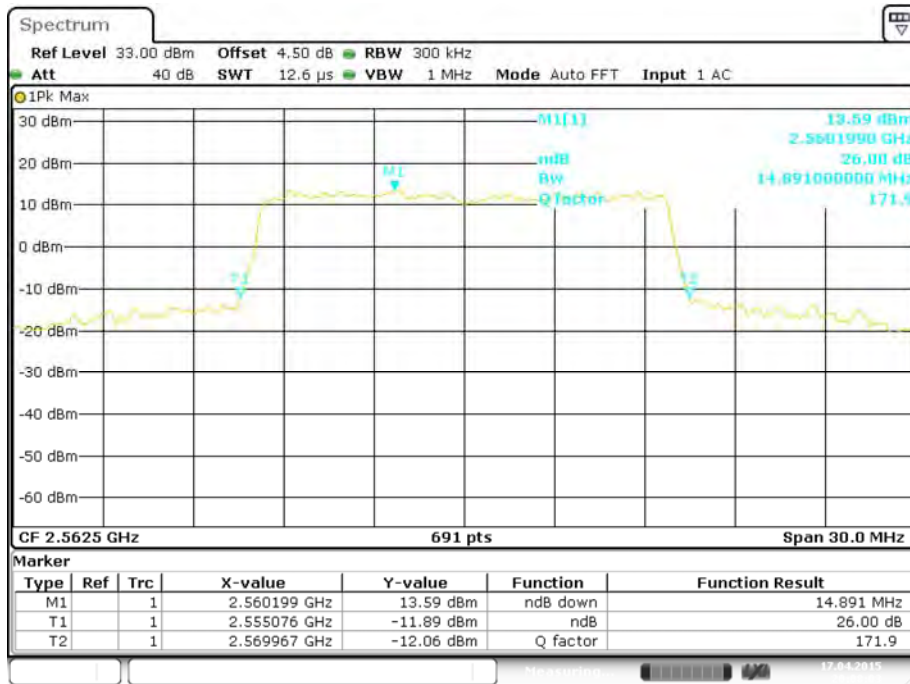
Date: 30.MAR.2015 15:35:12

QPSK (15.0 MHz) - 26 dB Bandwidth, Middle channel



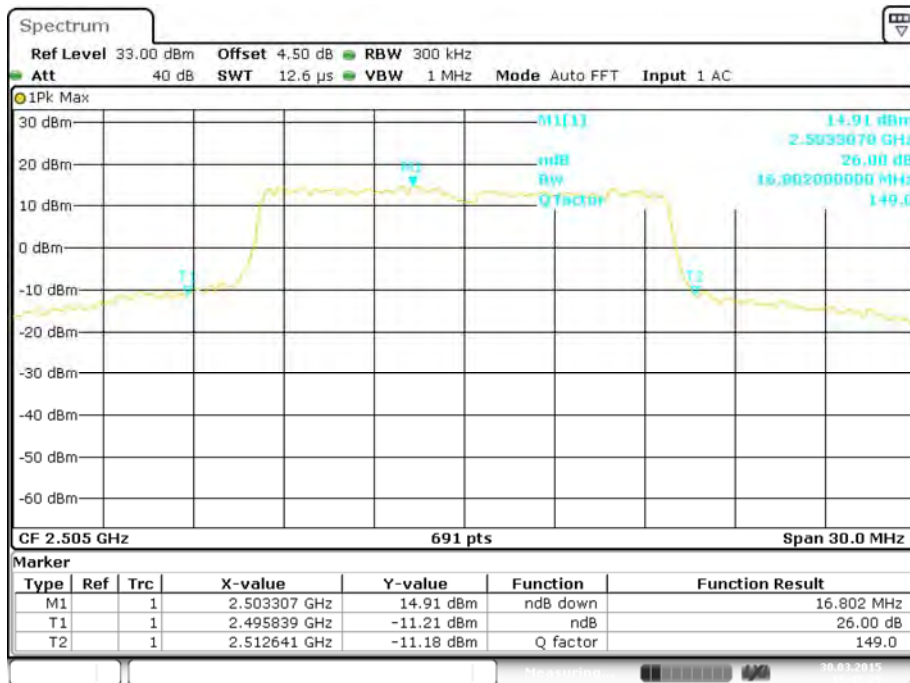
Date: 30.MAR.2015 15:33:05

QPSK (15.0 MHz) - 26 dB Bandwidth, High channel



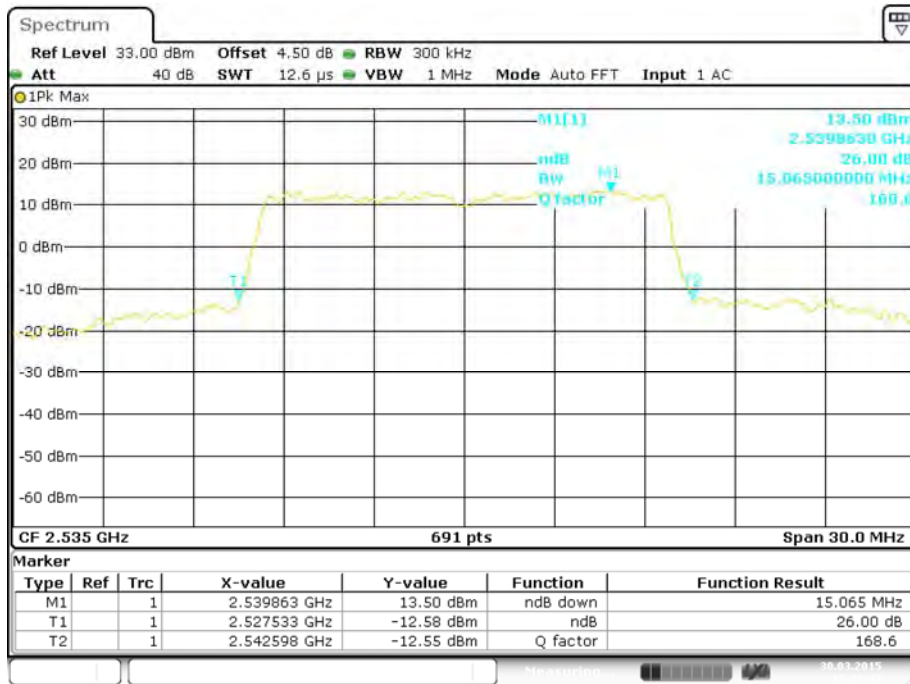
Date: 17.APR.2015 20:08:03

16-QAM (15.0 MHz) - 26 dB Bandwidth, Low channel



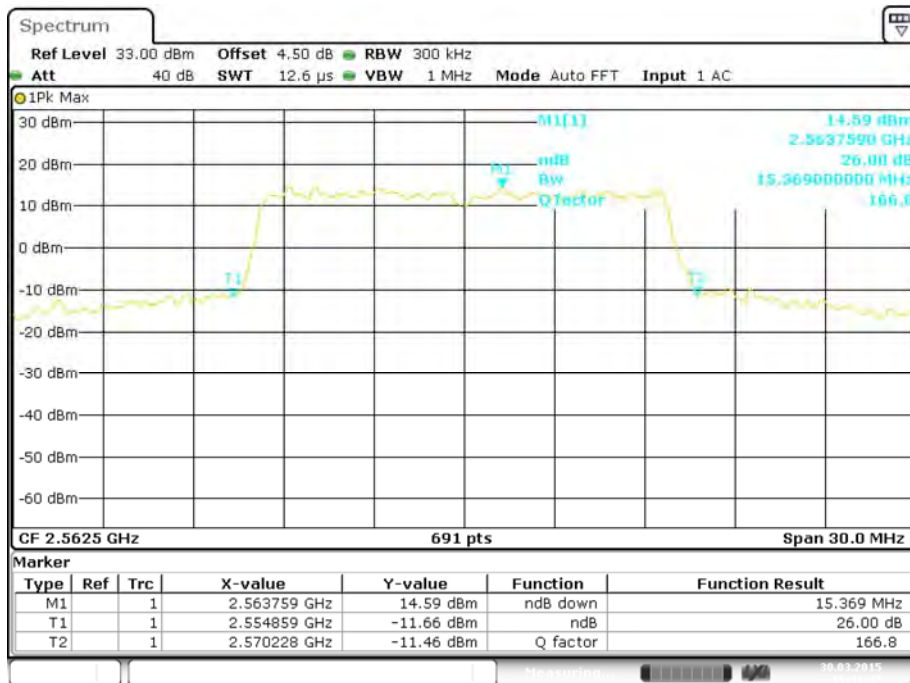
Date: 30.MAR.2015 15:45:26

16-QAM (15.0 MHz) - 26 dB Bandwidth, Middle channel



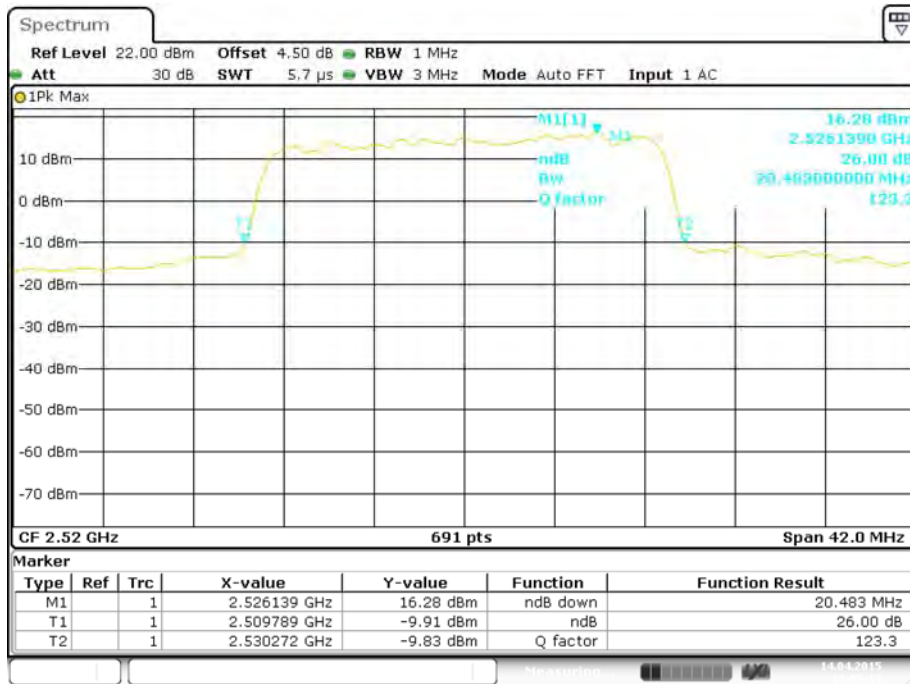
Date: 30.MAR.2015 15:33:43

16-QAM (15.0 MHz) - 26 dB Bandwidth, High channel



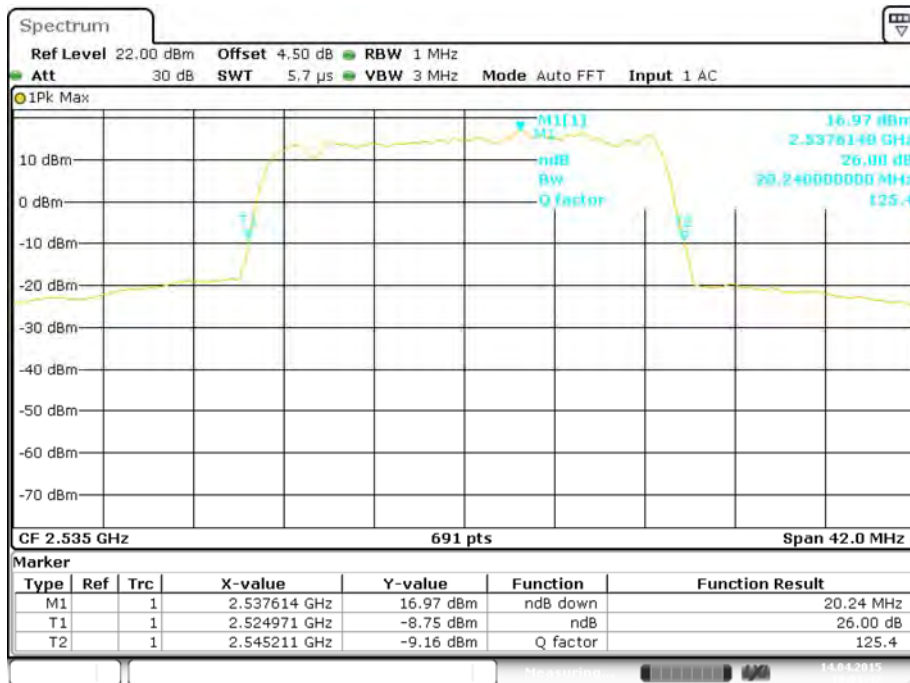
Date: 30.MAR.2015 15:41:47

QPSK (20.0 MHz) - 26 dB Bandwidth, Low channel



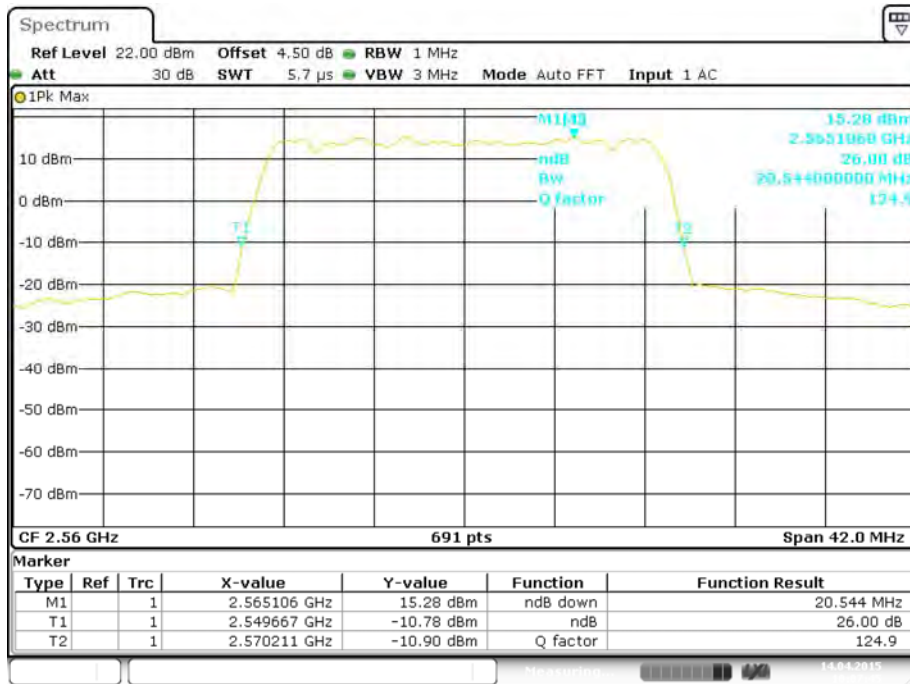
Date: 14.APR.2015 10:05:13

QPSK (20.0 MHz) - 26 dB Bandwidth, Middle channel



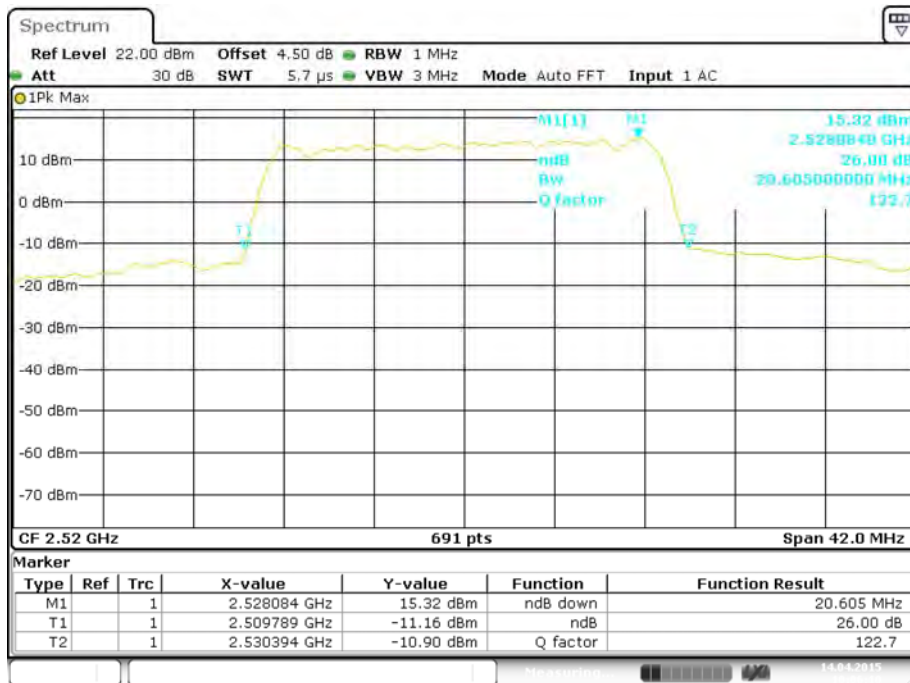
Date: 14.APR.2015 10:01:43

QPSK (20.0 MHz) - 26 dB Bandwidth, High channel



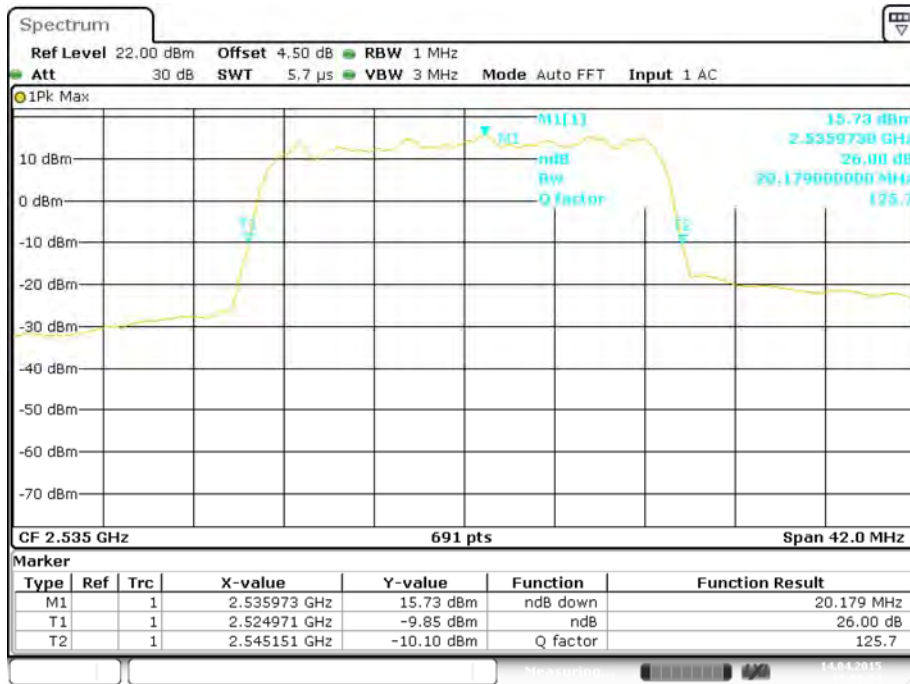
Date: 14.APR.2015 10:07:45

16-QAM (20.0 MHz) - 26 dB Bandwidth, Low channel



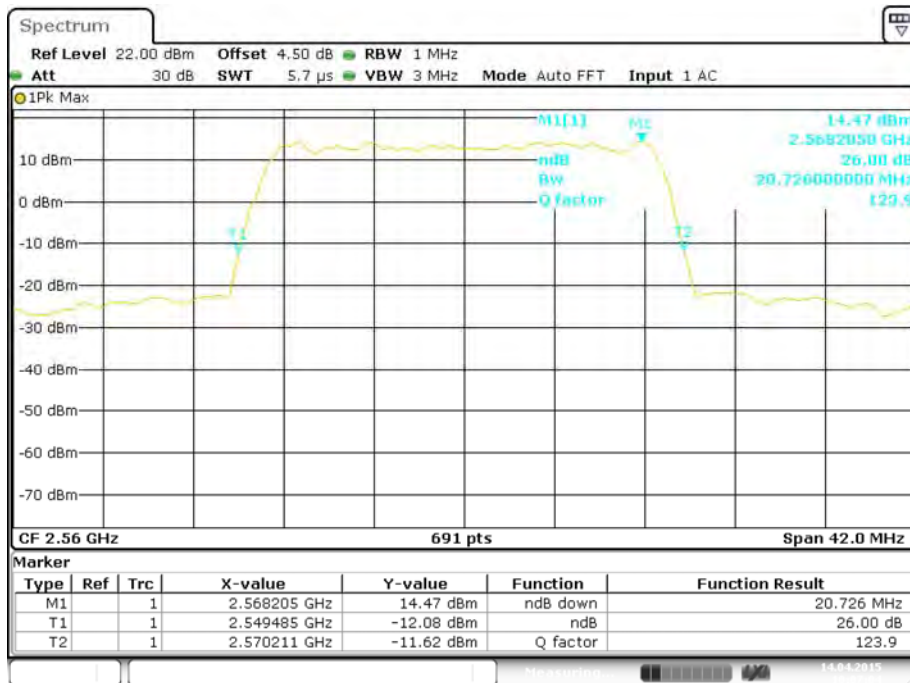
Date: 14.APR.2015 10:06:11

16-QAM (20.0 MHz) - 26 dB Bandwidth, Middle channel



Date: 14.APR.2015 10:00:04

16-QAM (20.0 MHz) - 26 dB Bandwidth, High channel



Date: 14.APR.2015 10:07:05

Band 17:

99% Occupied Bandwidth		Low channel (MHz)	Middle channel (MHz)	High channel (MHz)
5.0 MHz	QPSK	4.53	4.54	4.53
	16QAM	4.50	4.52	4.53
10.0 MHz	QPSK	9.00	9.12	9.12
	16QAM	9.06	9.12	9.06

26 dB Emission Bandwidth		Low channel (MHz)	Middle channel (MHz)	High channel (MHz)
5.0 MHz	QPSK	5.06	5.05	5.05
	16QAM	5.04	5.06	5.08
10.0 MHz	QPSK	10.04	10.19	10.19
	16QAM	10.07	10.16	9.09

QPSK (5.0 MHz) - 99% Occupied Bandwidth, Low channel



Date: 1.APR.2015 15:28:51

QPSK (5.0 MHz) - 99% Occupied Bandwidth, Middle channel

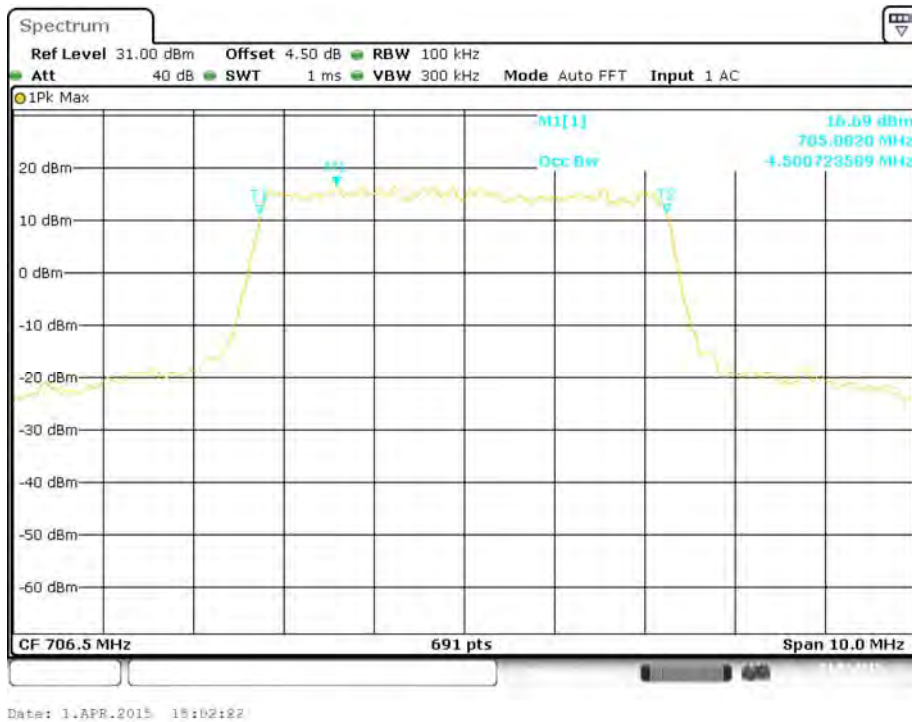


Date: 1.APR.2015 15:00:25

QPSK (5.0 MHz) - 99% Occupied Bandwidth, High channel



16-QAM (5.0 MHz) - 99% Occupied Bandwidth, Low channel



16-QAM (5.0 MHz) - 99% Occupied Bandwidth, Middle channel



Date: 1.APR.2015 15:01:38

16-QAM (5.0 MHz) - 99% Occupied Bandwidth, High channel



Date: 1.APR.2015 14:58:28

QPSK (10.0 MHz) - 99% Occupied Bandwidth, Low channel



QPSK (10.0 MHz) - 99% Occupied Bandwidth, Middle channel



QPSK (10.0 MHz) - 99% Occupied Bandwidth, High channel



16-QAM (10.0 MHz) - 99% Occupied Bandwidth, Low channel



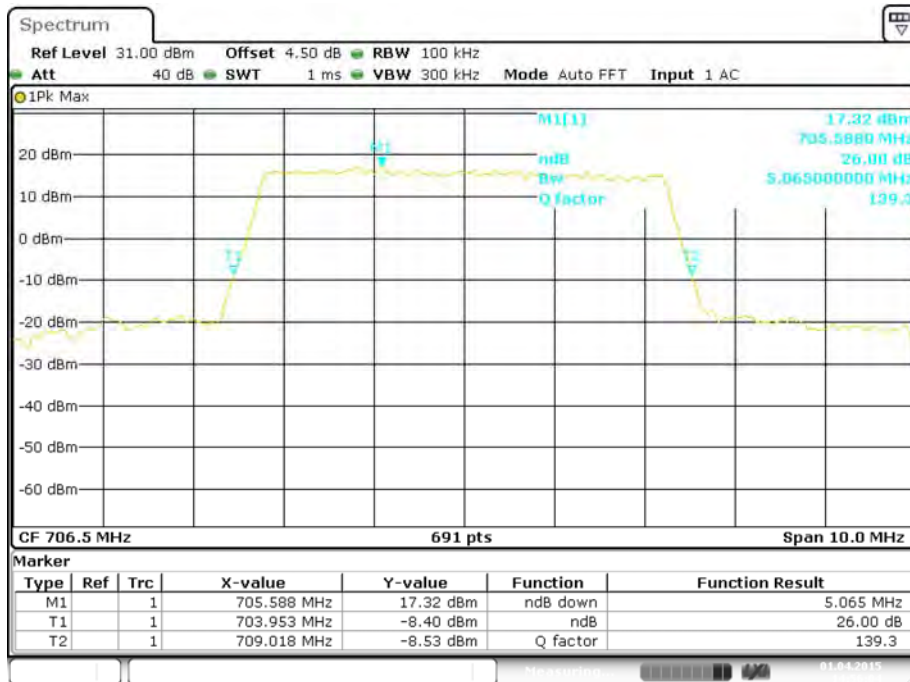
16-QAM (10.0 MHz) - 99% Occupied Bandwidth, Middle channel



16-QAM (10.0 MHz) - 99% Occupied Bandwidth, High channel

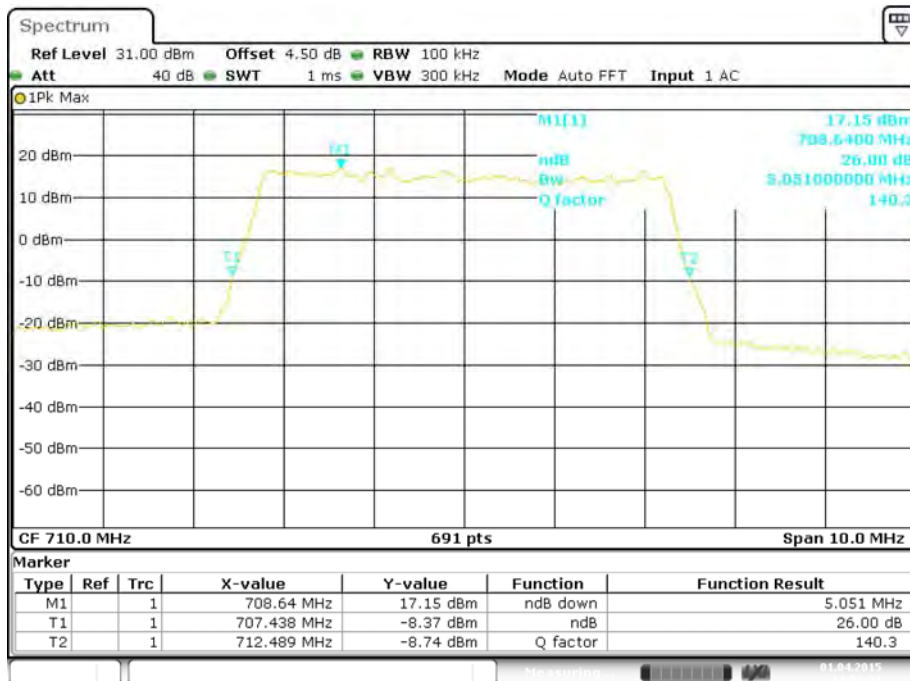


QPSK (5.0 MHz) - 26 dB Bandwidth, Low channel



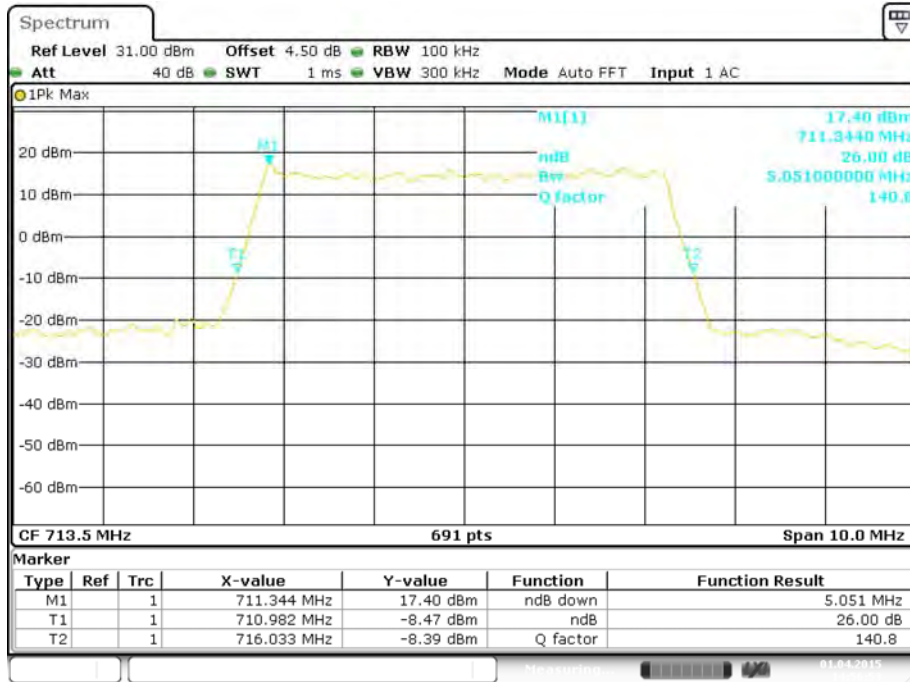
Date: 1.APR.2015 14:56:04

QPSK (5.0 MHz) - 26 dB Bandwidth, Middle channel



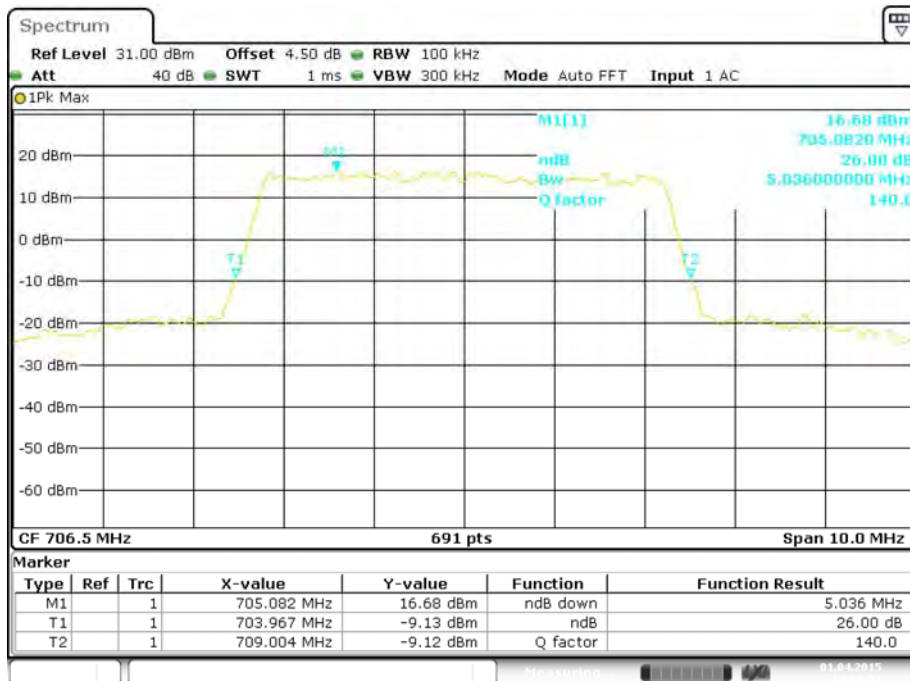
Date: 1.APR.2015 14:53:32

QPSK (5.0 MHz) - 26 dB Bandwidth, High channel



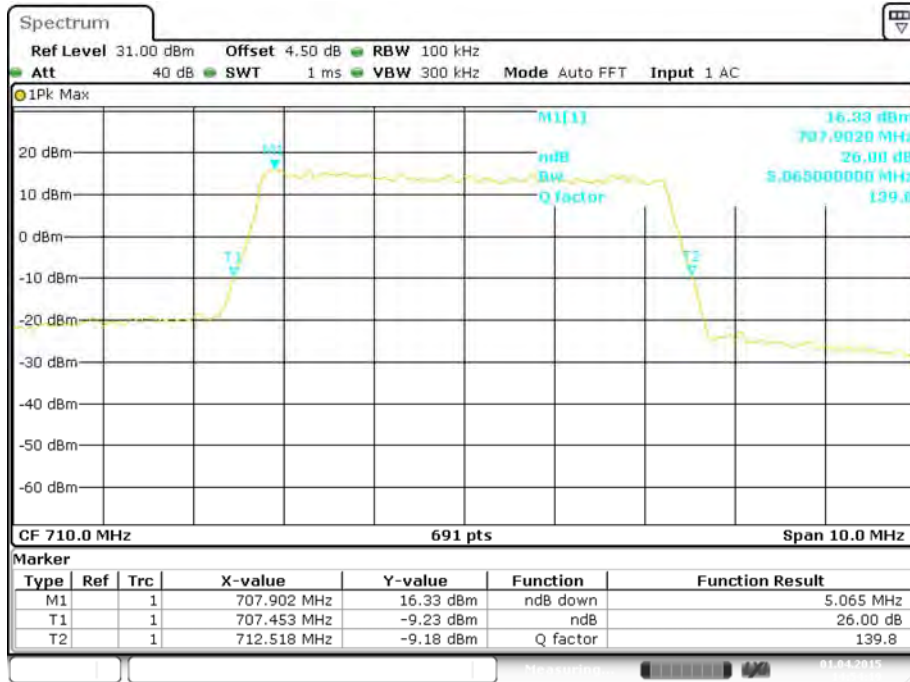
Date: 1.APR.2015 14:56:53

16-QAM (5.0 MHz) - 26 dB Bandwidth, Low channel



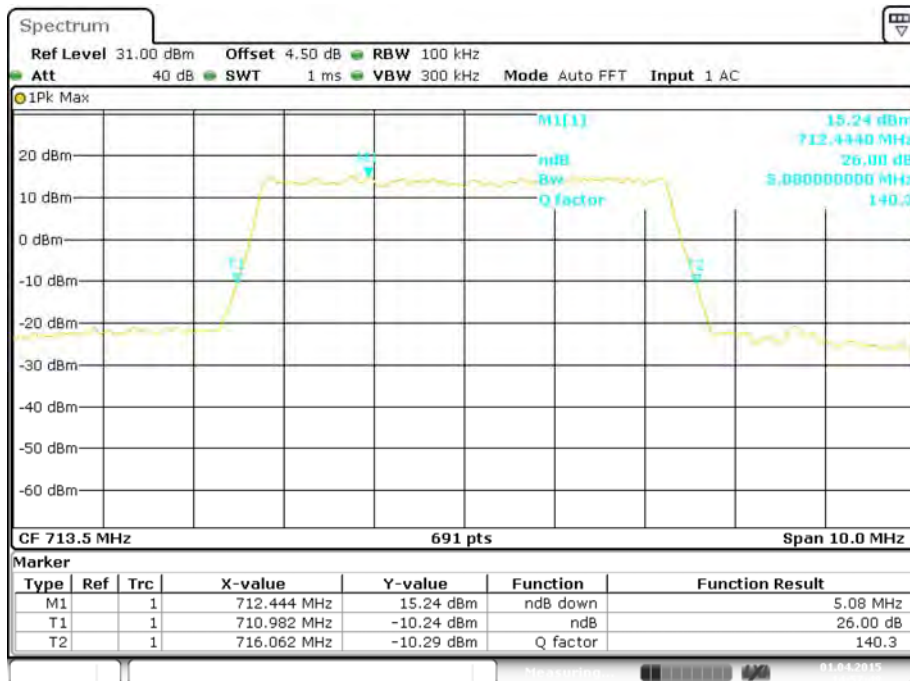
Date: 1.APR.2015 14:55:22

16-QAM (5.0 MHz) - 26 dB Bandwidth, Middle channel



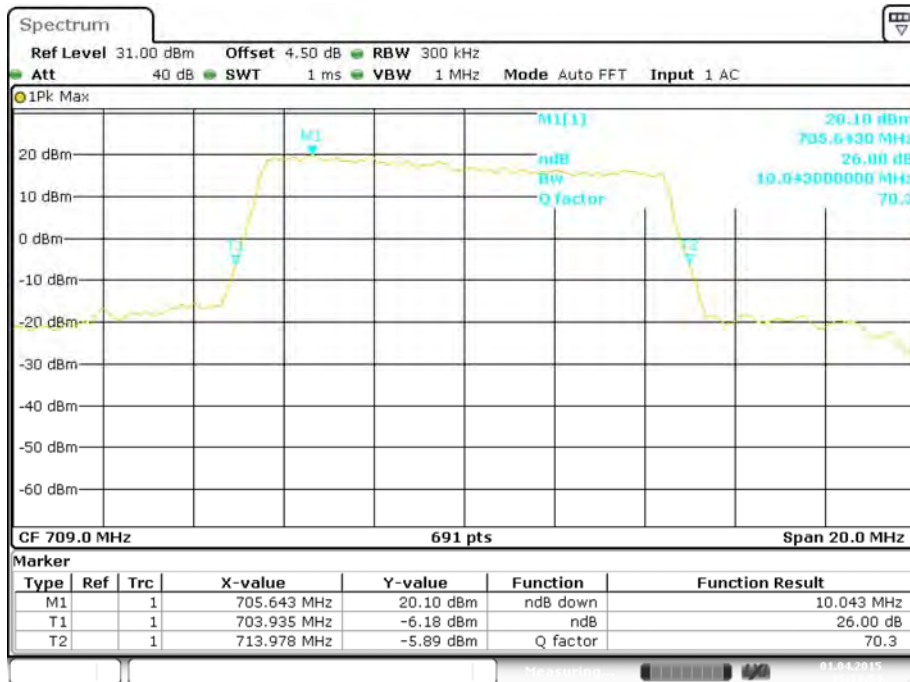
Date: 1.APR.2015 14:54:19

16-QAM (5.0 MHz) - 26 dB Bandwidth, High channel



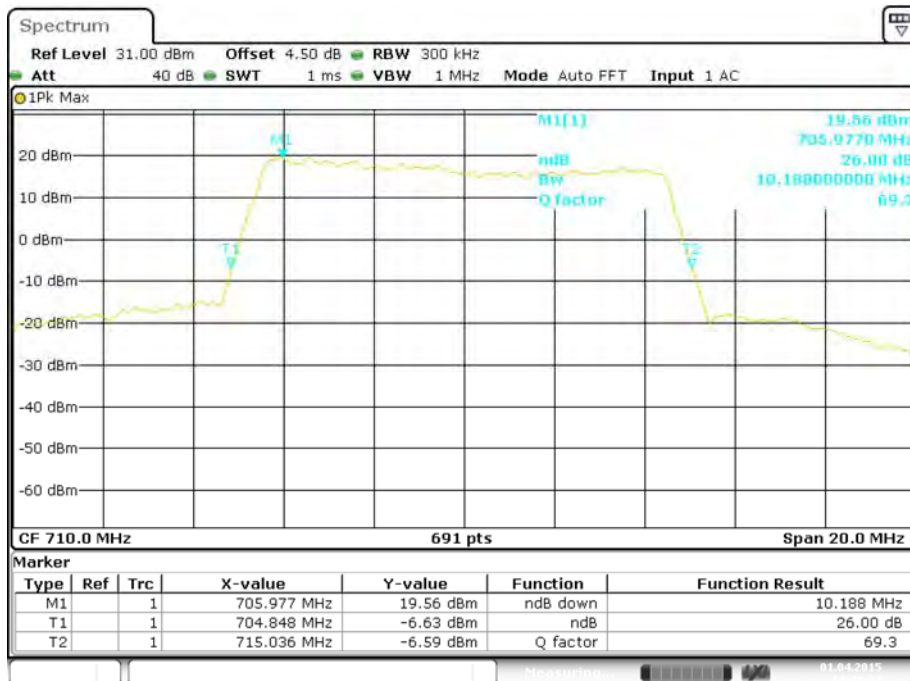
Date: 1.APR.2015 14:57:48

QPSK (10.0 MHz) - 26 dB Bandwidth, Low channel



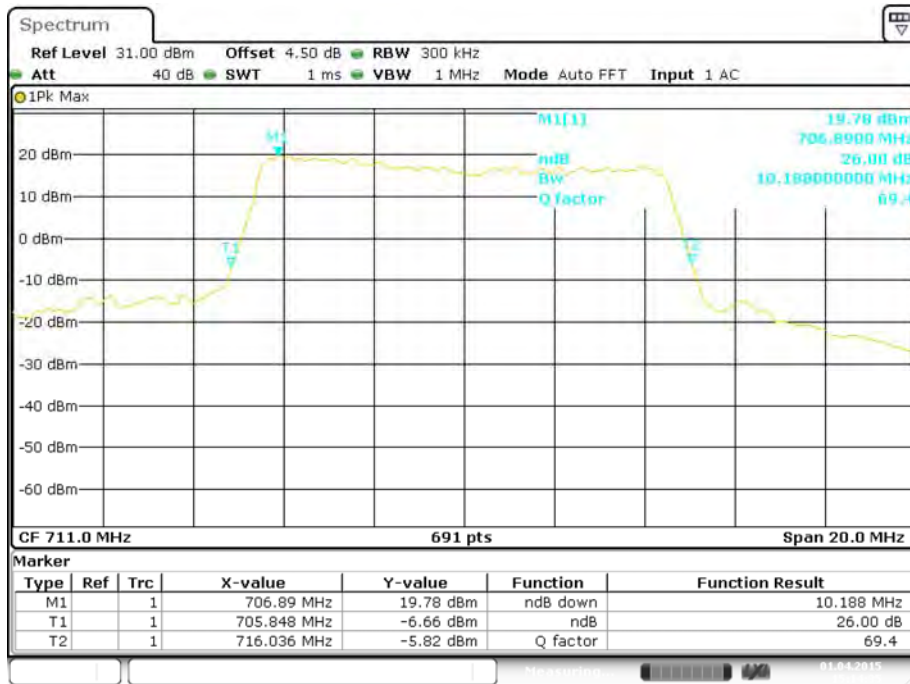
Date: 1.APR.2015 15:11:54

QPSK (10.0 MHz) - 26 dB Bandwidth, Middle channel



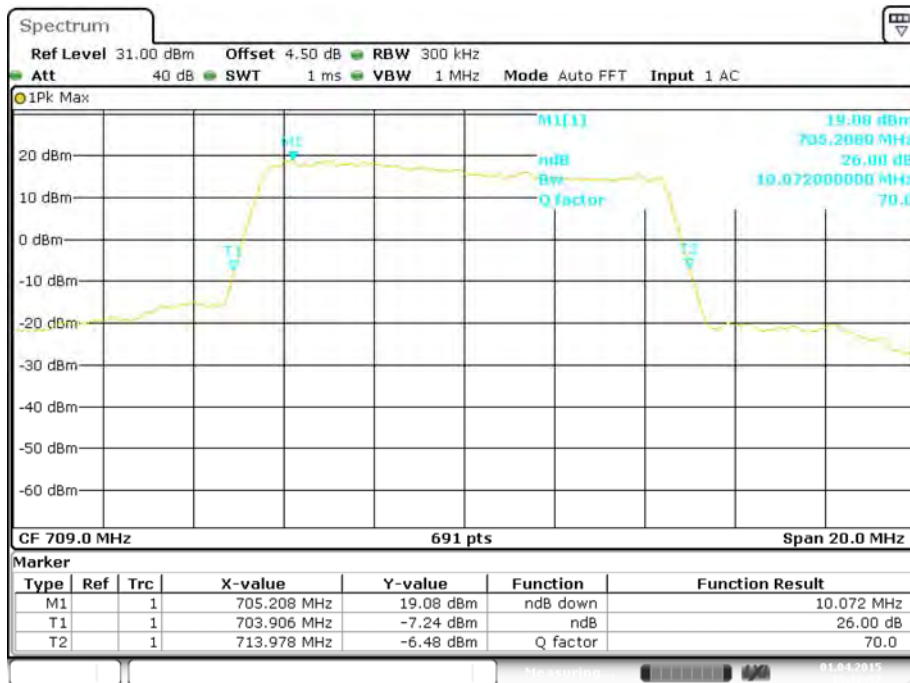
Date: 1.APR.2015 14:48:23

QPSK (10.0 MHz) - 26 dB Bandwidth, High channel



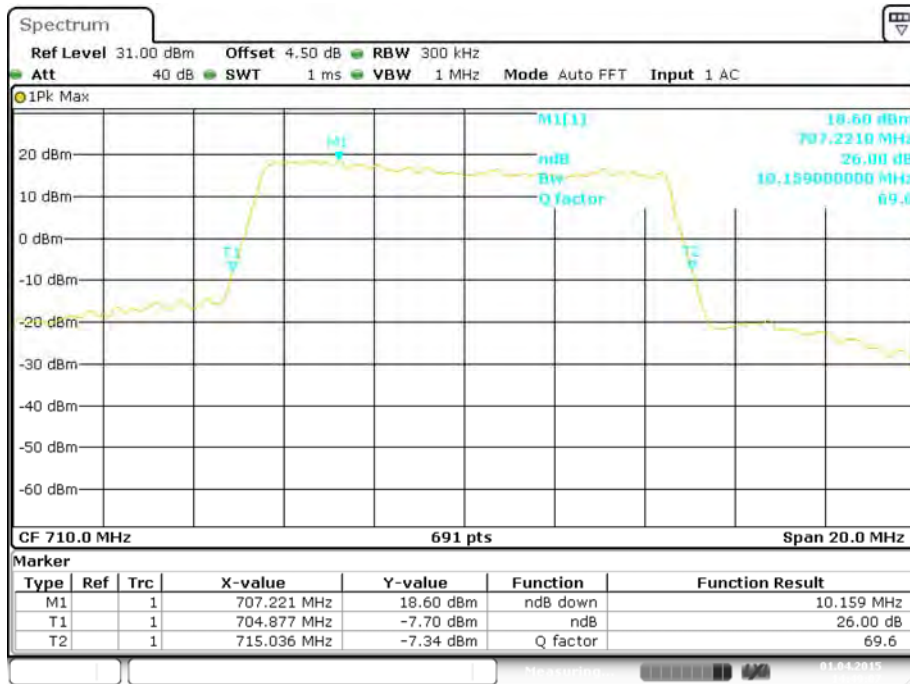
Date: 1.APR.2015 15:14:36

16-QAM (10.0 MHz) - 26 dB Bandwidth, Low channel



Date: 1.APR.2015 15:12:57

16-QAM (10.0 MHz) - 26 dB Bandwidth, Middle channel



Date: 1.APR.2015 14:49:07

16-QAM (10.0 MHz) - 26 dB Bandwidth, High channel



Date: 1.APR.2015 15:15:58

FCC §2.1051, §22.917(a) & §24.238(a) & §27.53 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

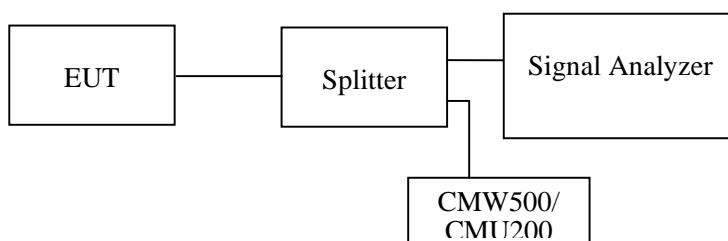
Applicable Standards

FCC §2.1051, §22.917(a) and §24.238(a) and §27.53.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.



Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	Signal Analyzer	FSIQ26	837405/023	2014-08-22	2015-08-22
Rohde & Schwarz	Universal Radio Communication Tester	CMU200	106891	2014-11-23	2015-11-23

* **Statement of Traceability:** Bay Area Compliance Laboratories Corp. (Shenzhen) attests that all calibrations have been performed in accordance to requirements, traceable to National Primary Standards and International System of Units (SI).

Test Data

Environmental Conditions

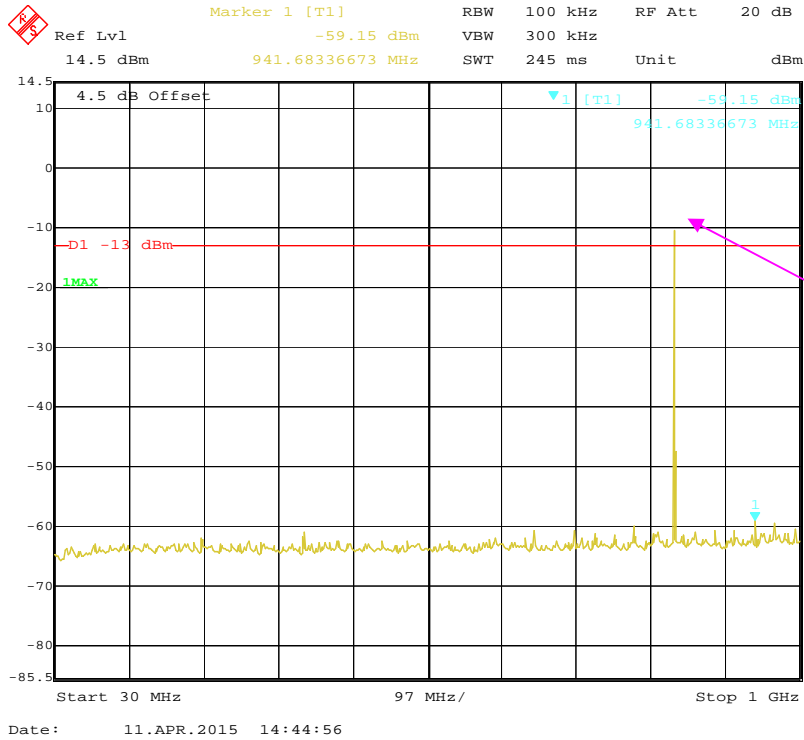
Temperature:	20~26 °C
Relative Humidity:	51~55 %
ATM Pressure:	100.0~100.5 kPa

The testing was performed by Simon Wang from 2015-03-26 to 2015-04-11.

Please refer to the following plots.

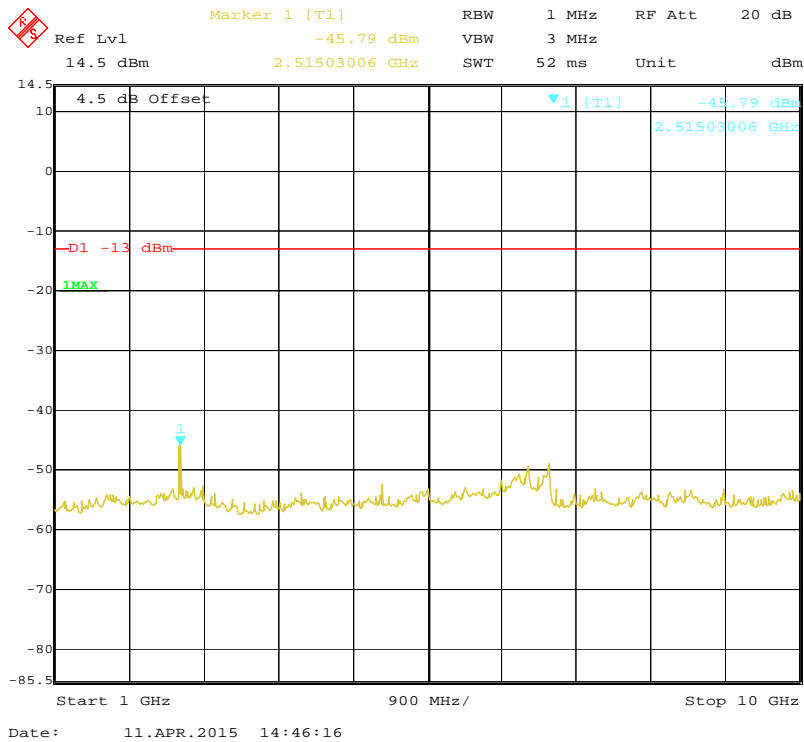
Cellular Band (Part 22H)

30 MHz – 1 GHz (GSM Mode)

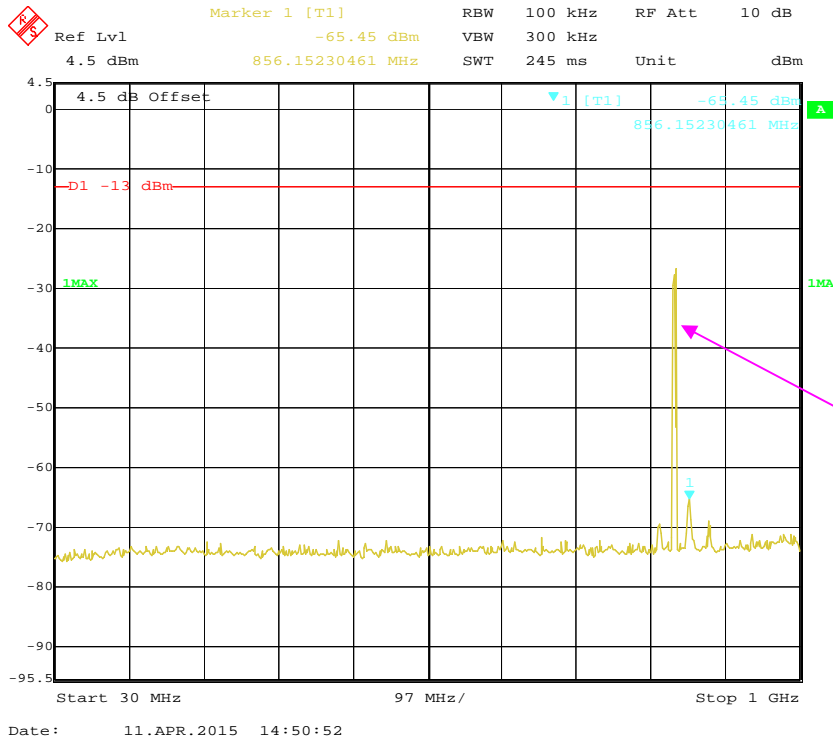


Fundamental test with notch filter

1 GHz – 10 GHz (GSM Mode)

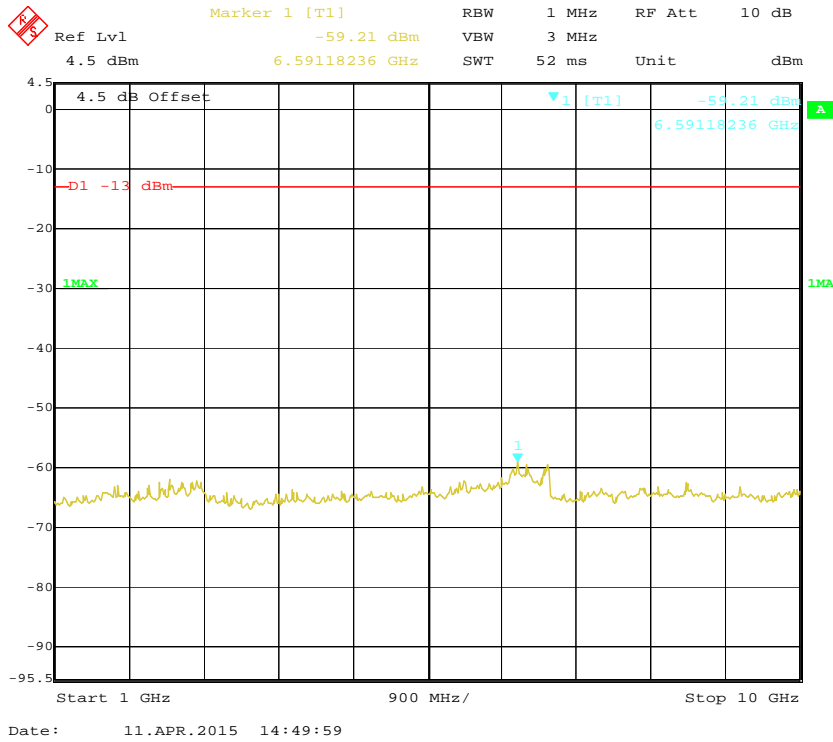


30 MHz – 1 GHz (WCDMA Mode)



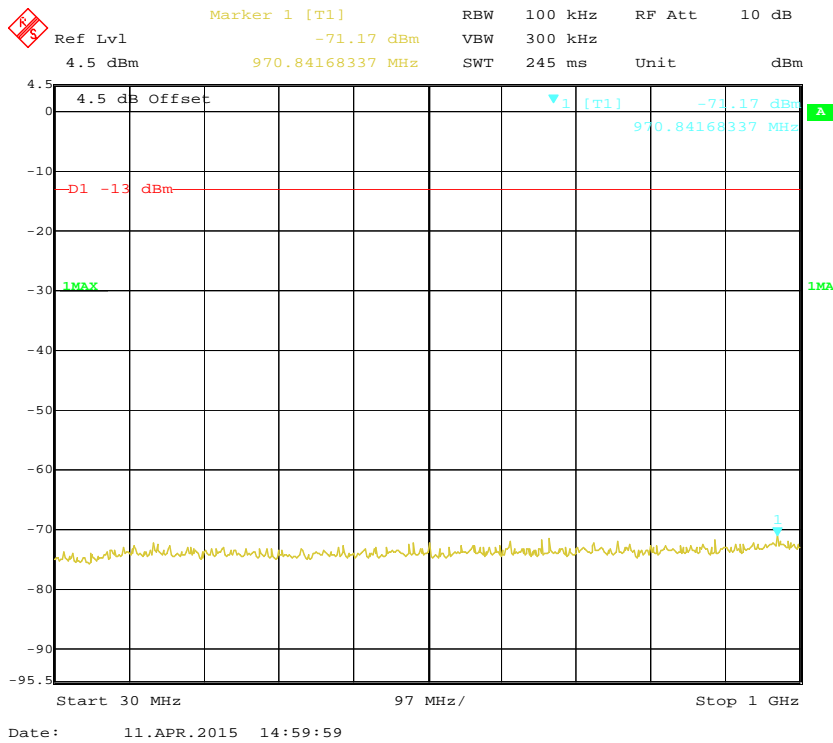
Fundamental test with notch filter

1 GHz – 10 GHz (WCDMA Mode)

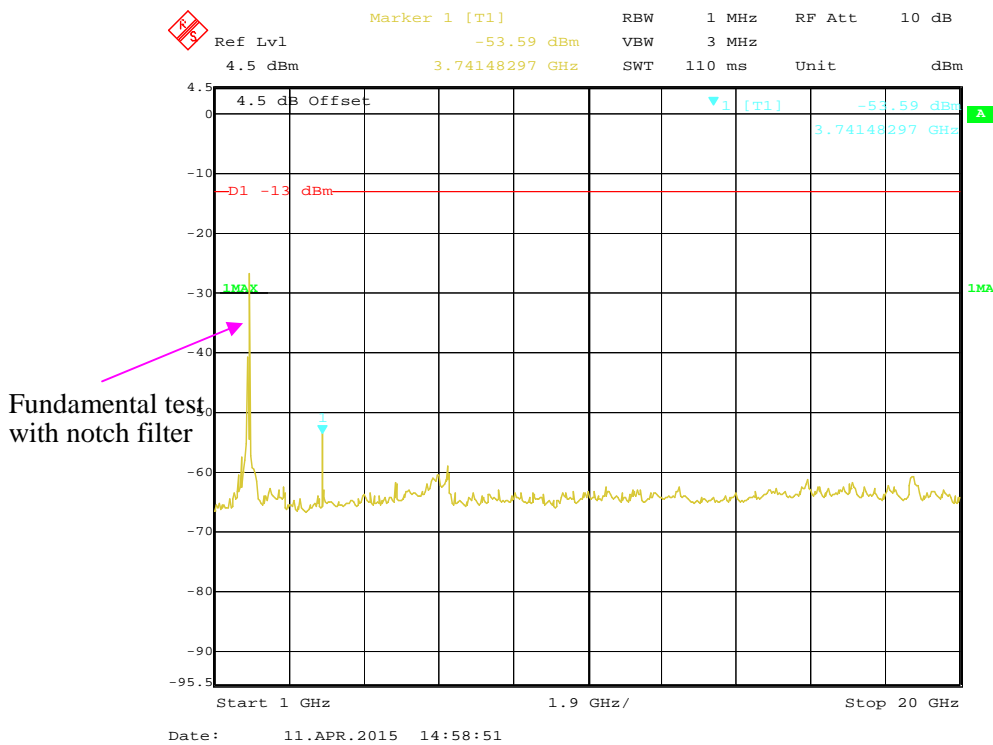


PCS Band (Part 24E)

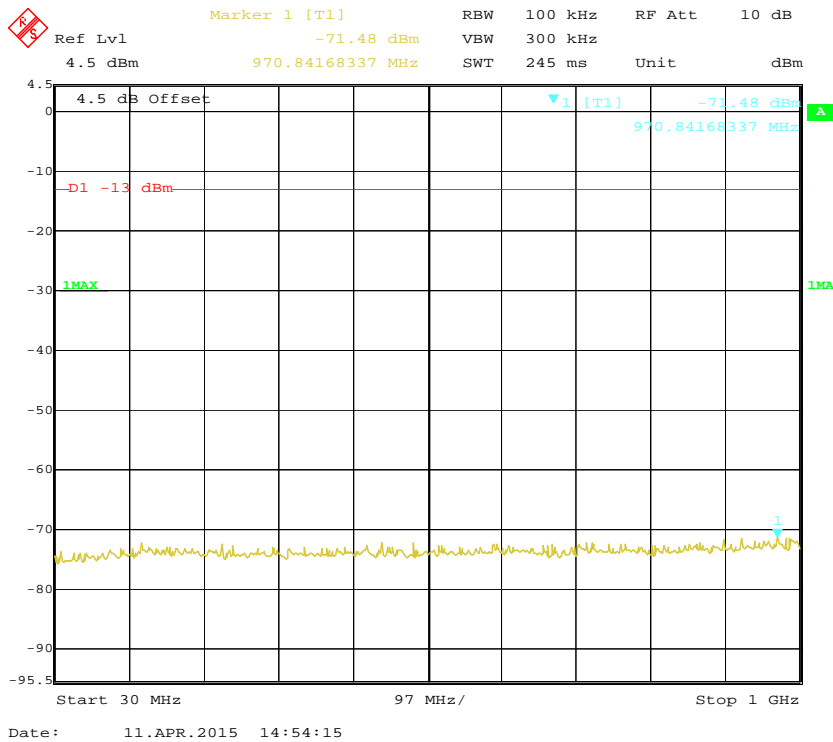
30 MHz – 1 GHz (GSM Mode)



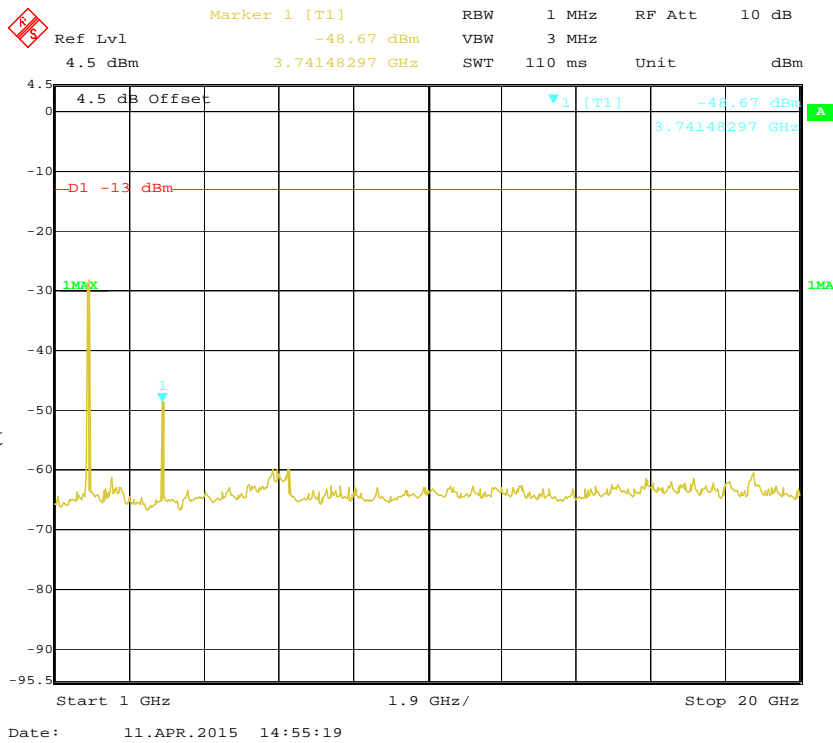
1 GHz – 20 GHz (GSM Mode)



30 MHz – 1 GHz (WCDMA Mode)



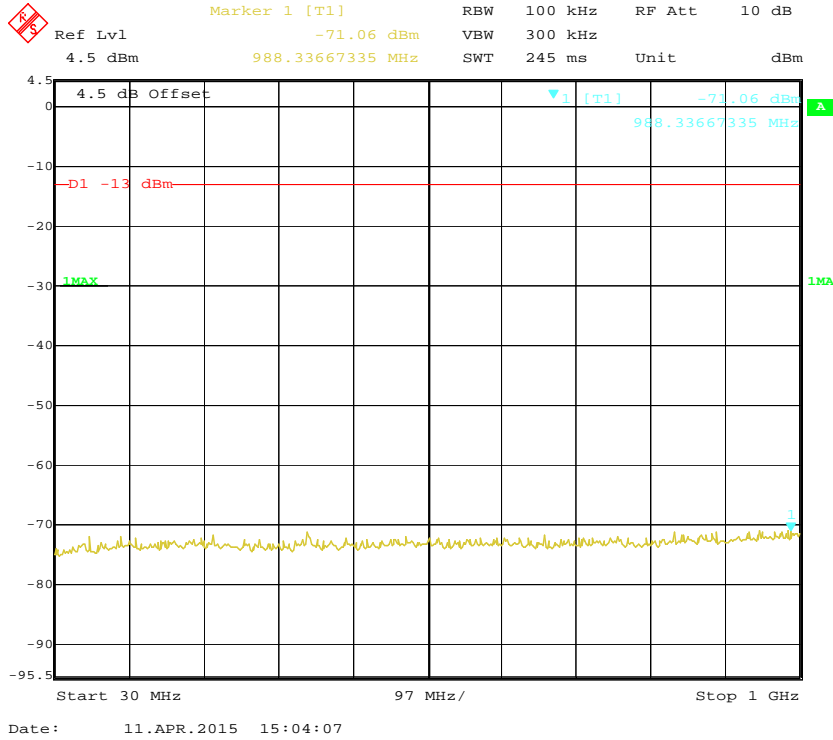
1 GHz – 20 GHz (WCDMA Mode)



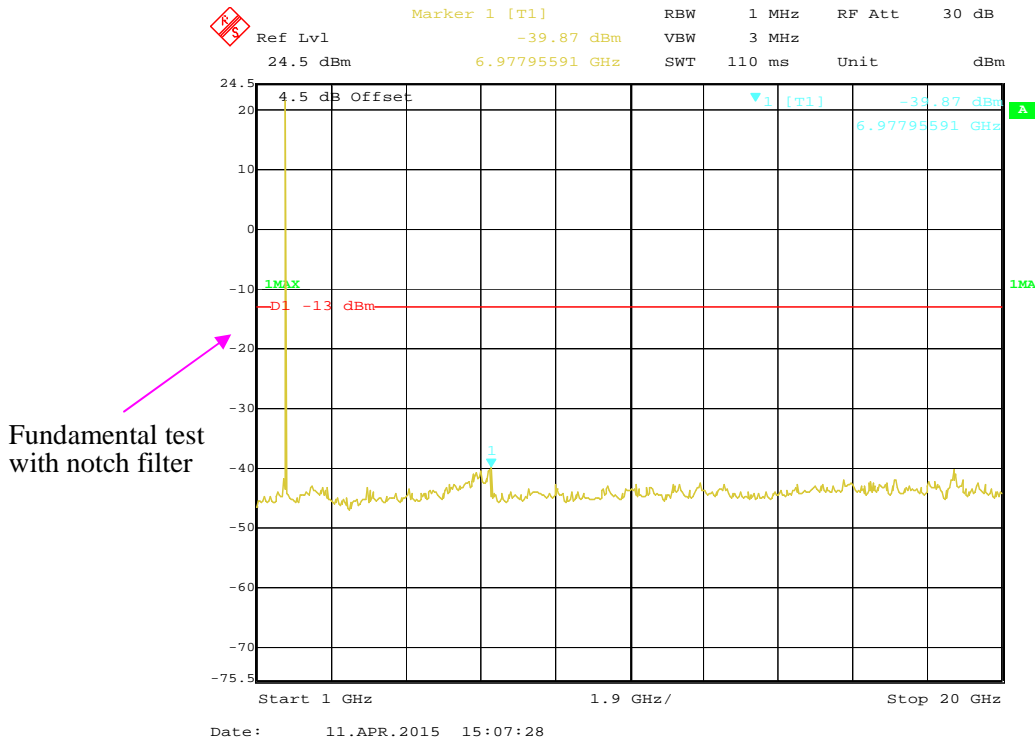
Fundamental test
with notch filter

AWS Band

30 MHz – 1 GHz (WCDMA Mode)

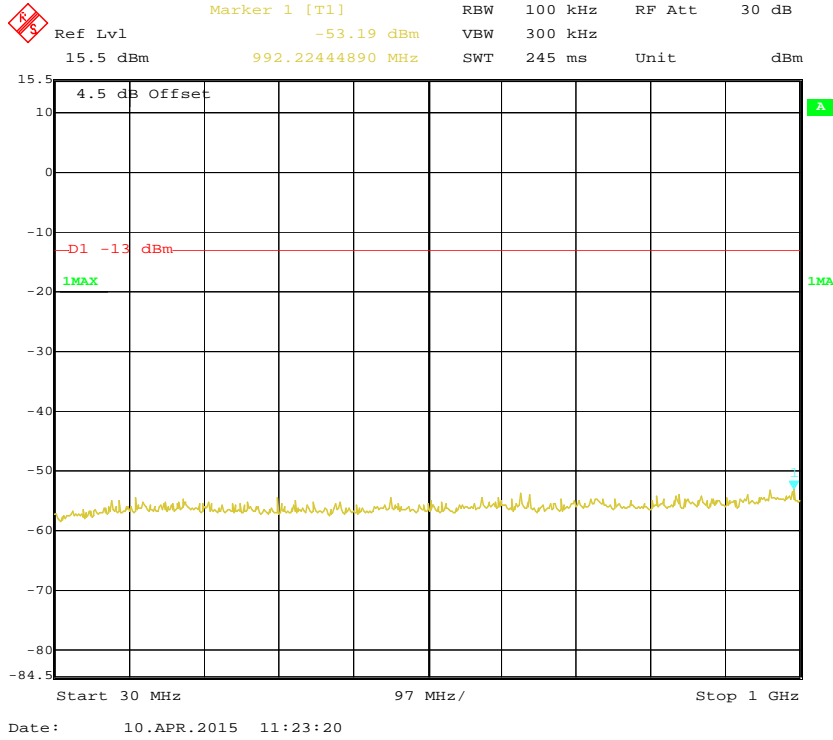


1 GHz – 20 GHz (WCDMA Mode)

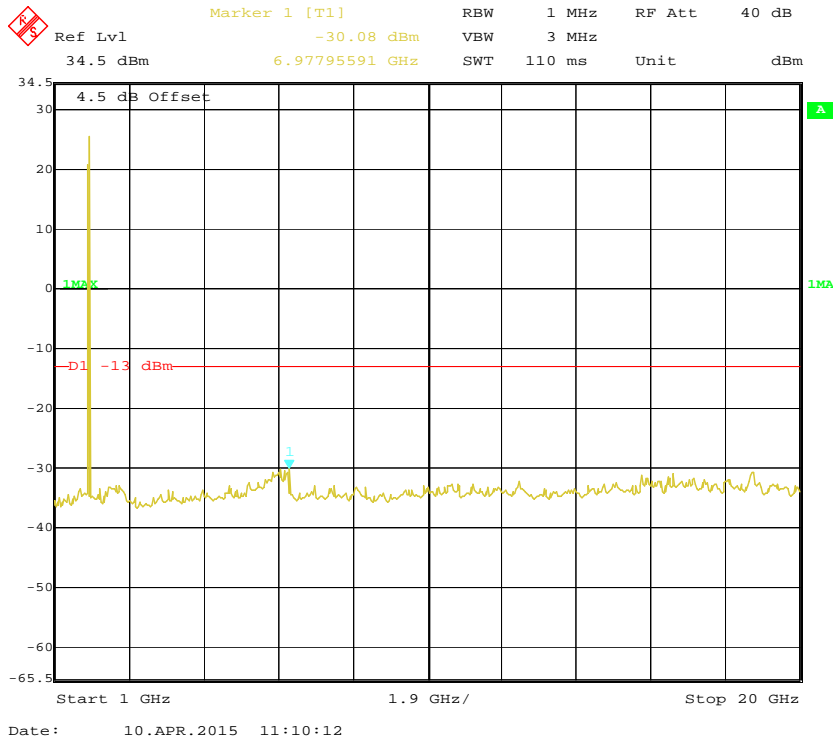


Band 2:

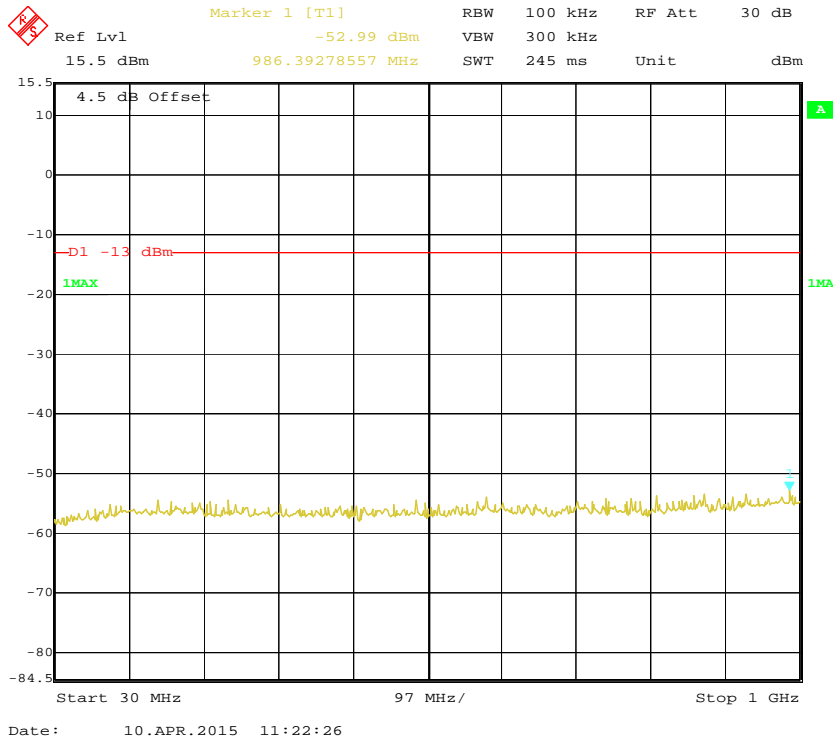
30 MHz - 1 GHz (1.4 MHz, Middle Channel)



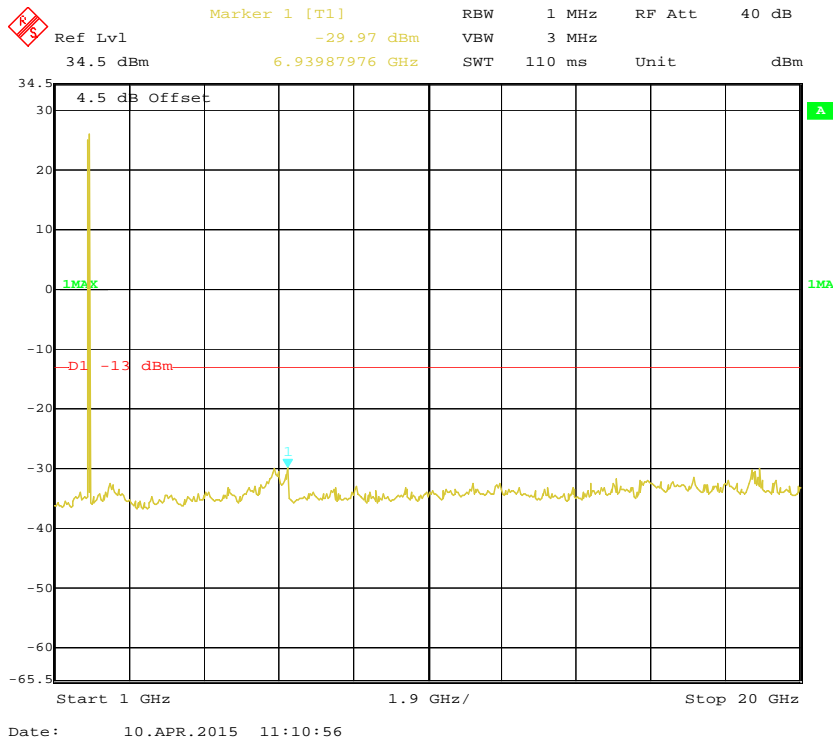
1 GHz - 20 GHz (1.4 MHz, Middle Channel)



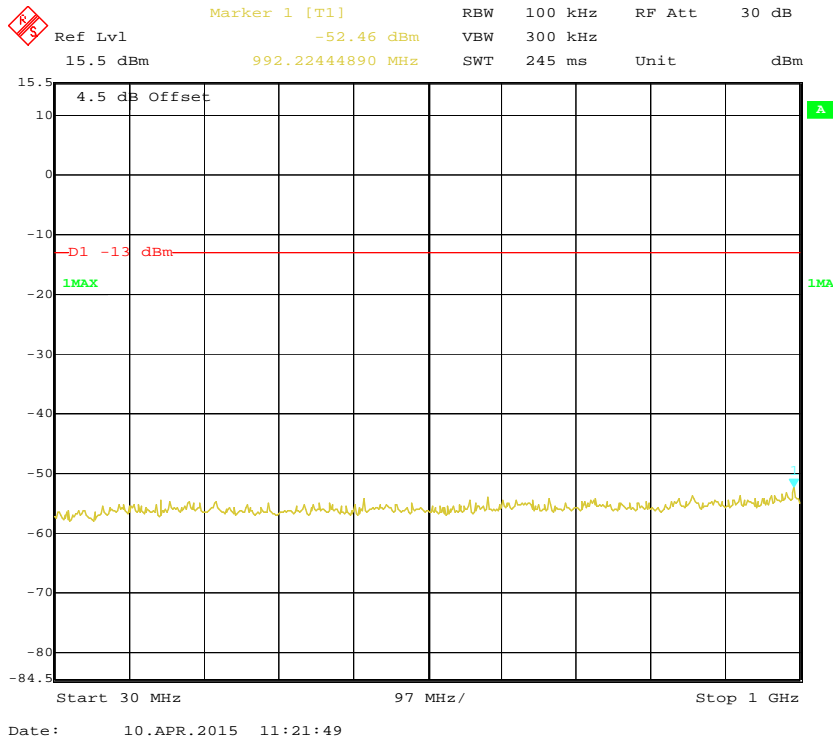
30 MHz - 1 GHz (3.0 MHz, Middle Channel)



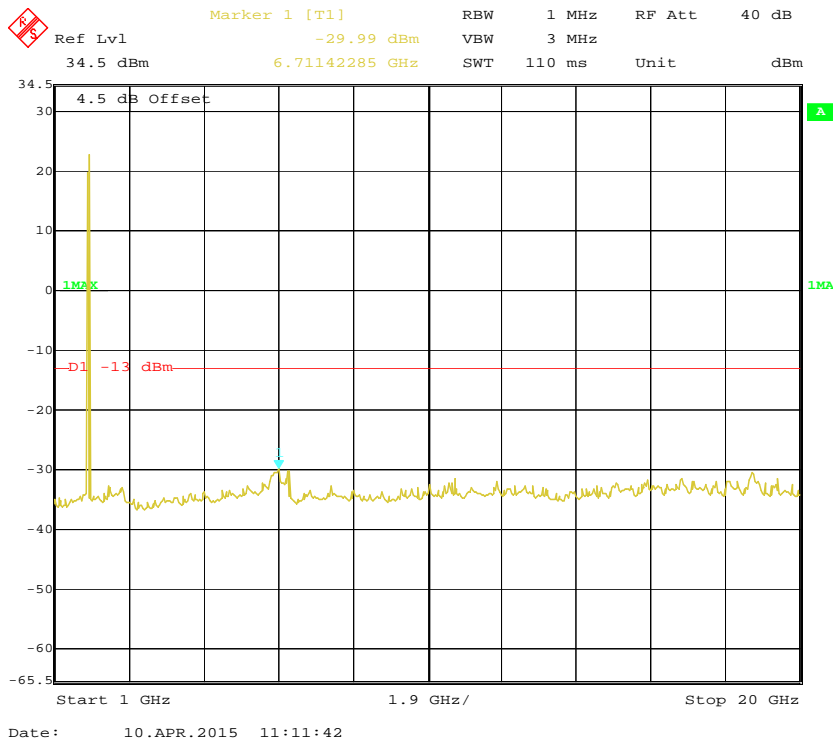
1 GHz - 20 GHz (3.0 MHz, Middle Channel)



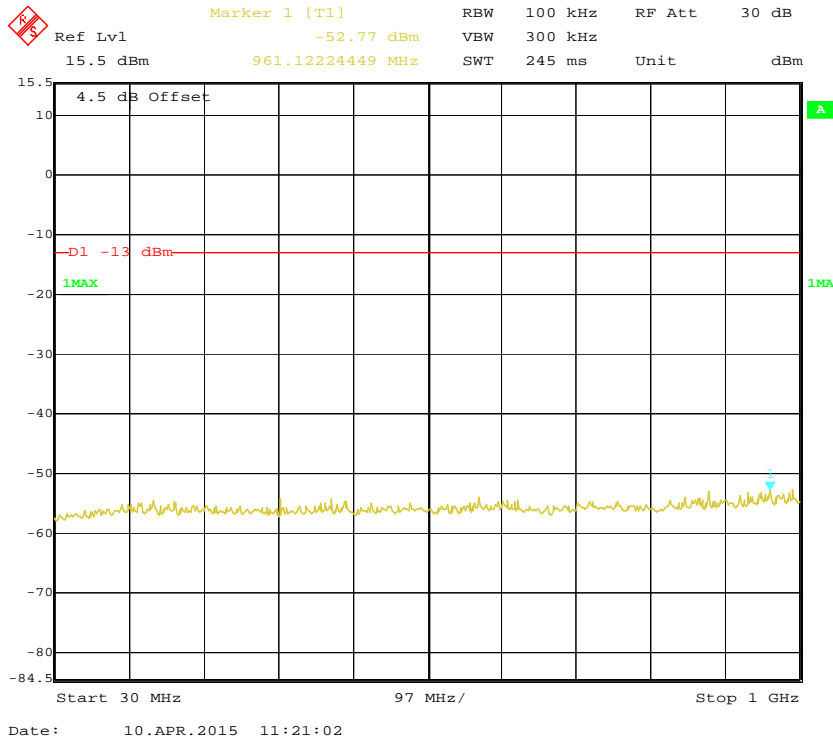
30 MHz - 1 GHz (5.0 MHz, Middle Channel)



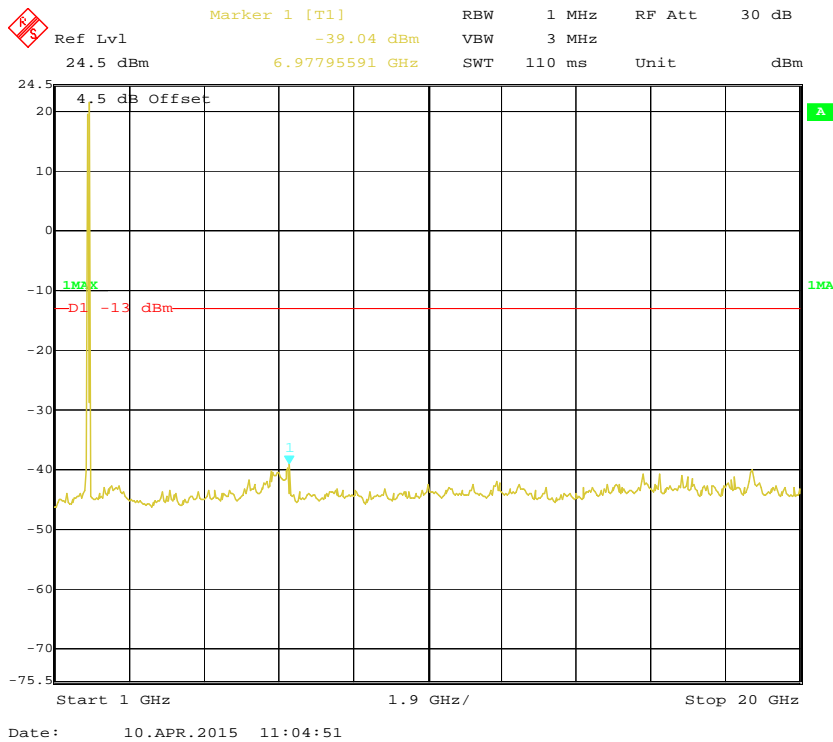
1 GHz - 20 GHz (5.0 MHz, Middle Channel)



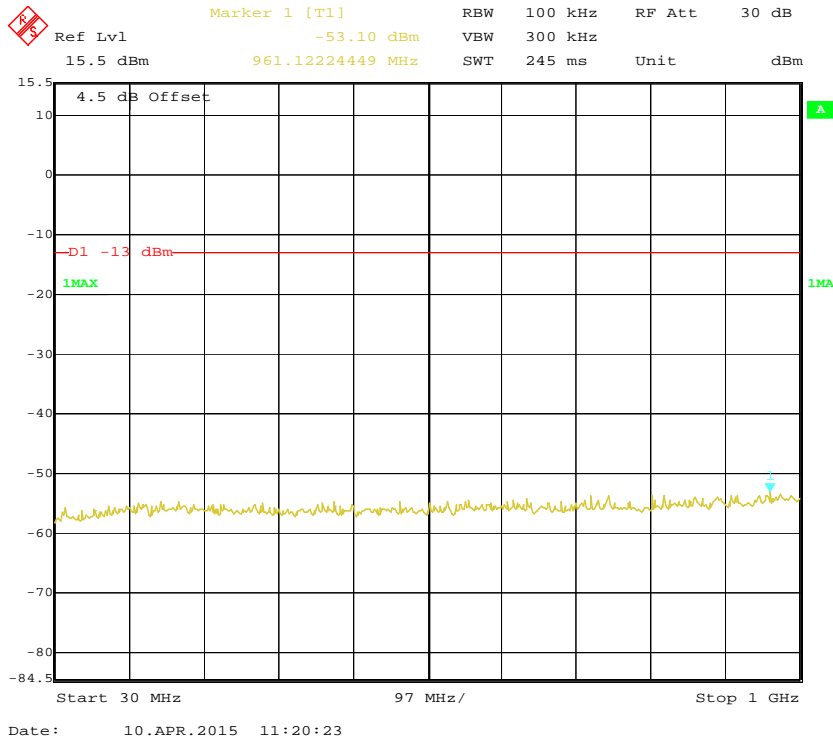
30 MHz - 1 GHz (10.0 MHz, Middle Channel)



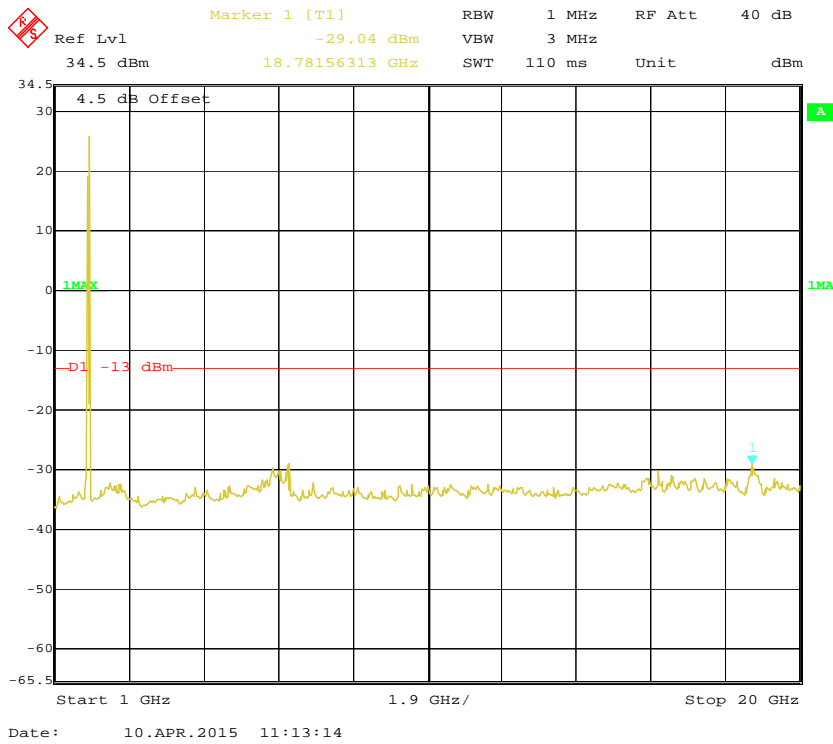
1 GHz - 20 GHz (10.0 MHz, Middle Channel)



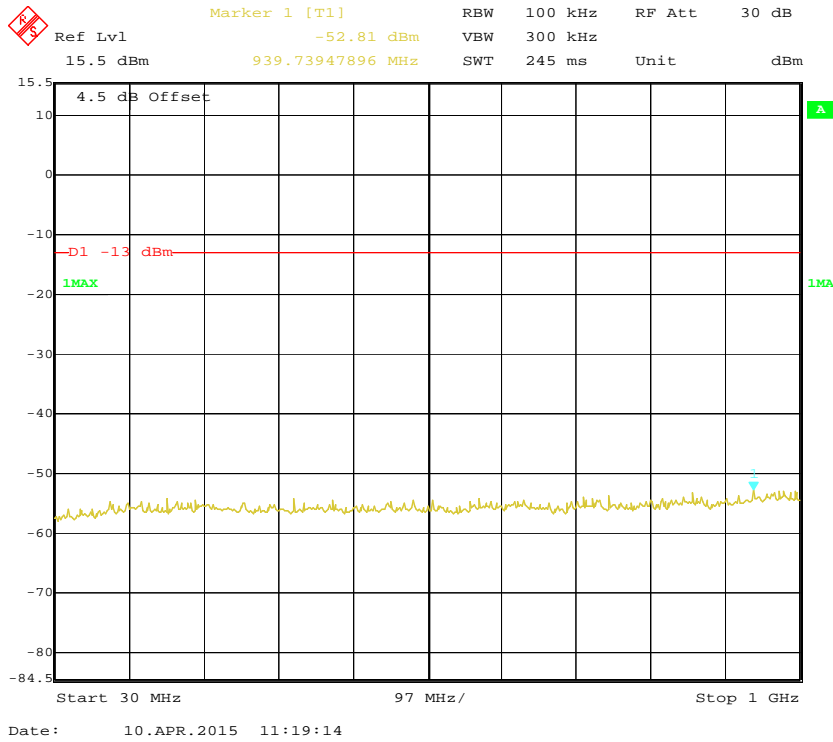
30 MHz - 1 GHz (15.0 MHz, Middle Channel)



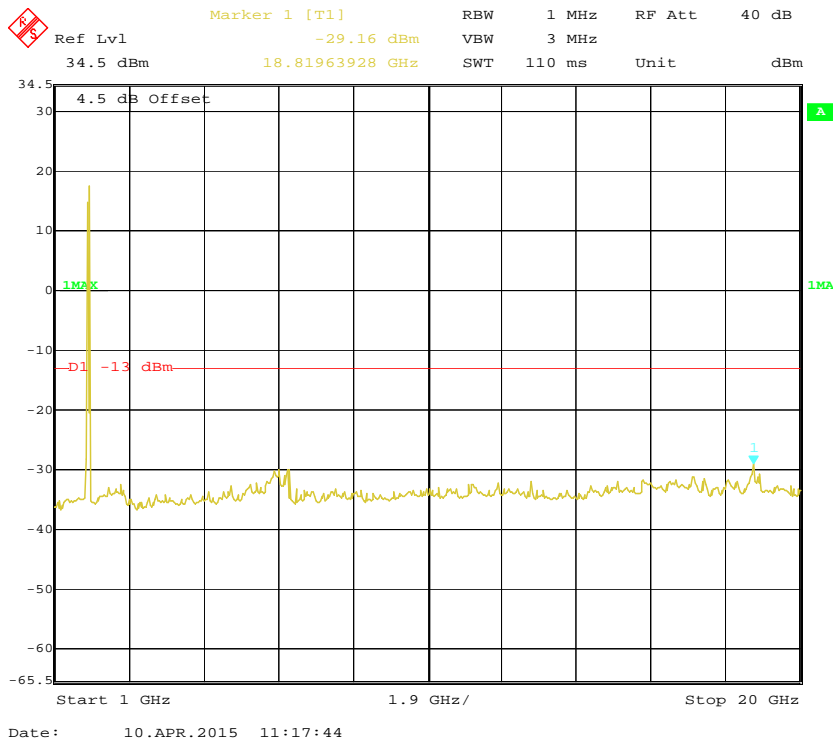
1 GHz - 20 GHz (15.0 MHz, Middle Channel)



30 MHz - 1 GHz (20.0 MHz, Middle Channel)

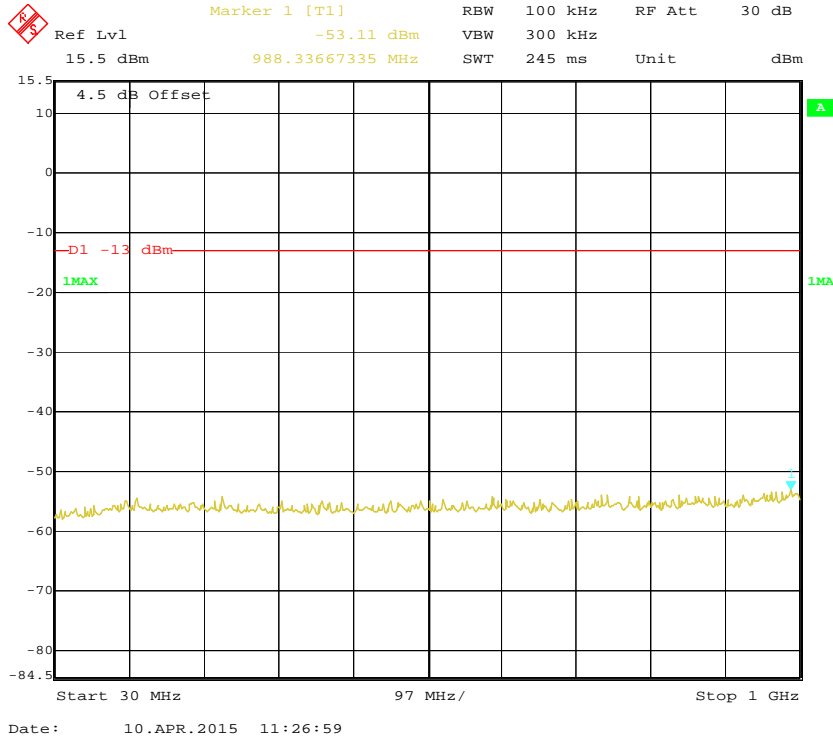


1 GHz - 20 GHz (20.0 MHz, Middle Channel)

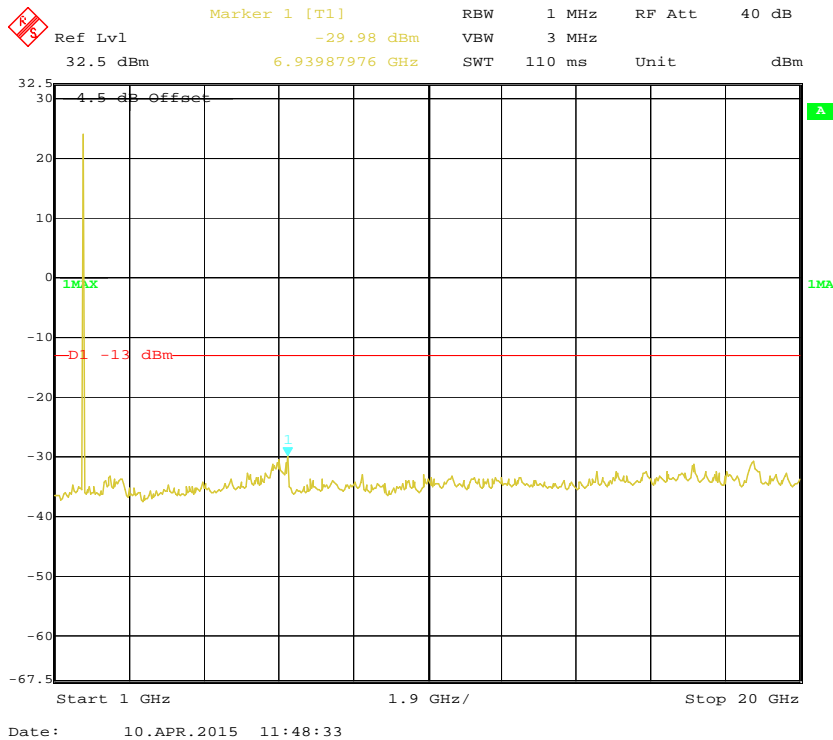


Band 4:

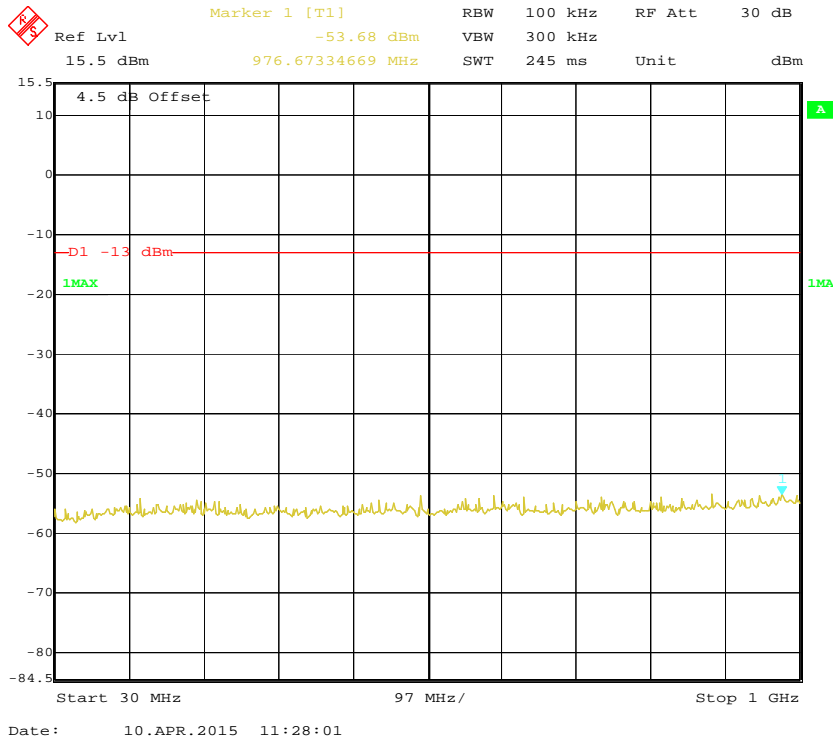
30 MHz - 1 GHz (1.4 MHz, Middle Channel)



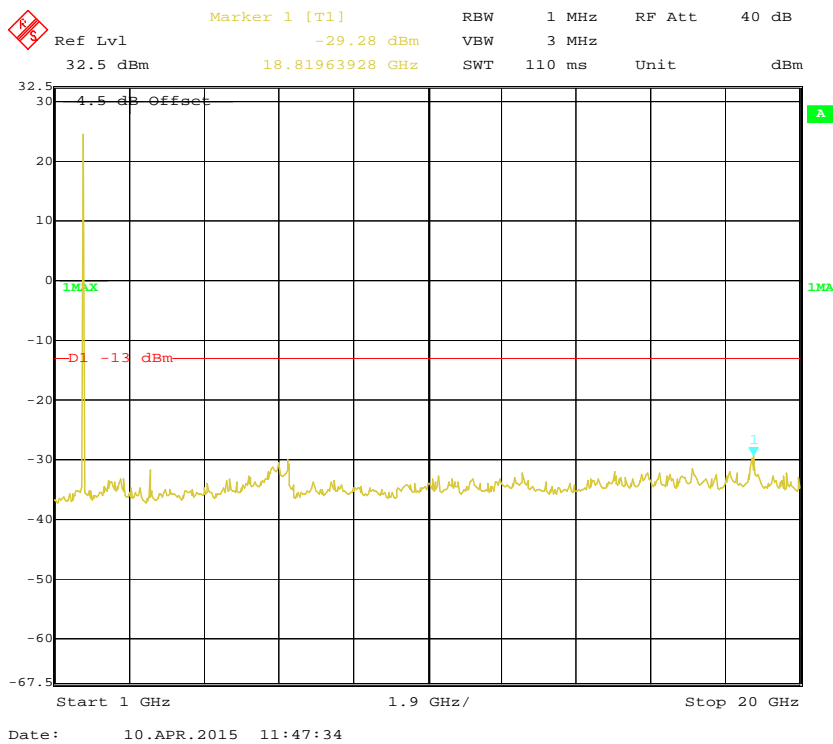
1 GHz - 20 GHz (1.4 MHz, Middle Channel)



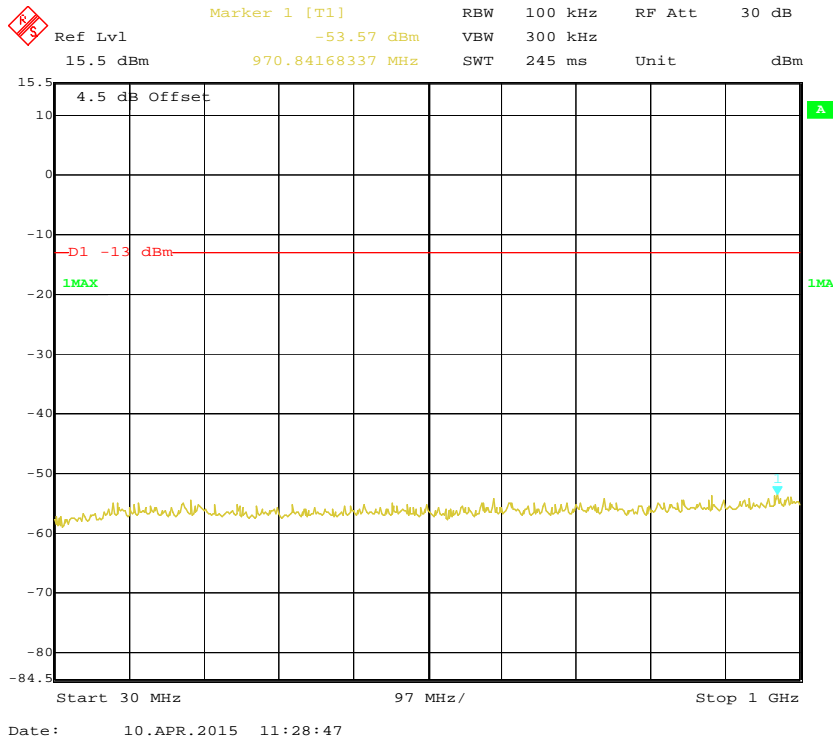
30 MHz - 1 GHz (3.0 MHz, Middle Channel)



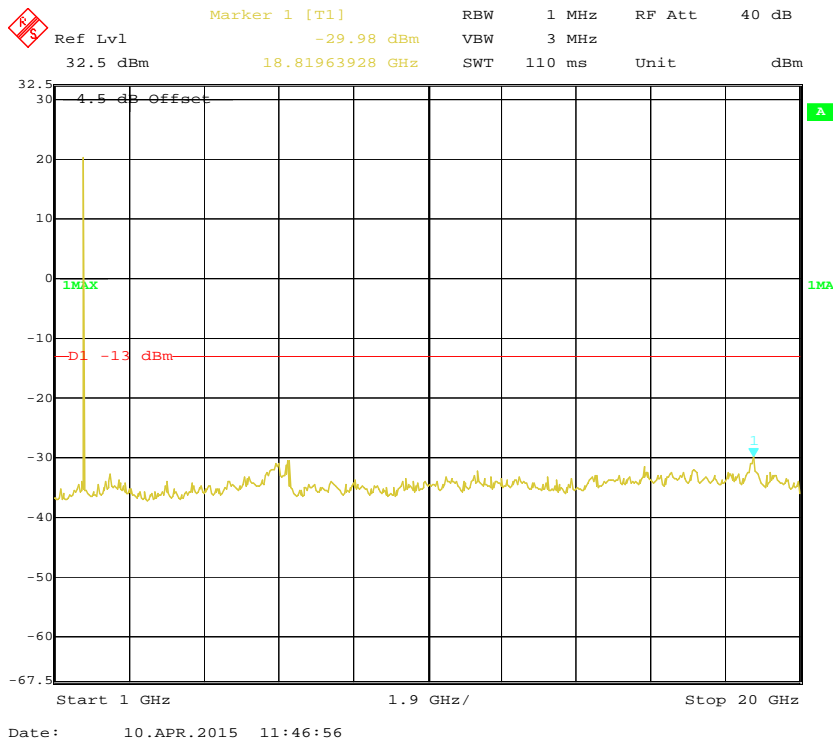
1 GHz - 20 GHz (3.0 MHz, Middle Channel)



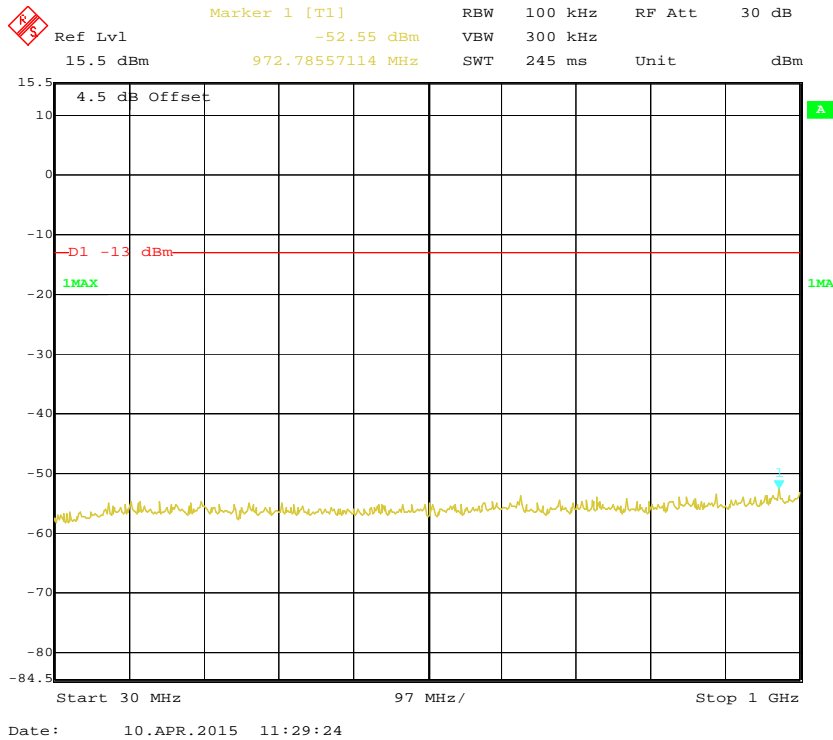
30 MHz - 1 GHz (5.0 MHz, Middle Channel)



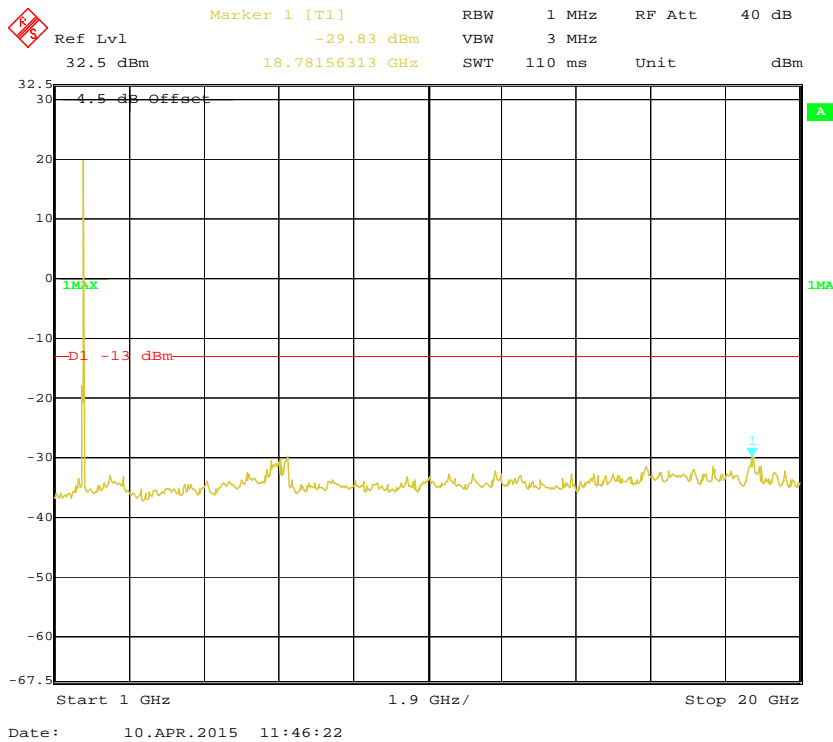
1 GHz - 20 GHz (5.0 MHz, Middle Channel)



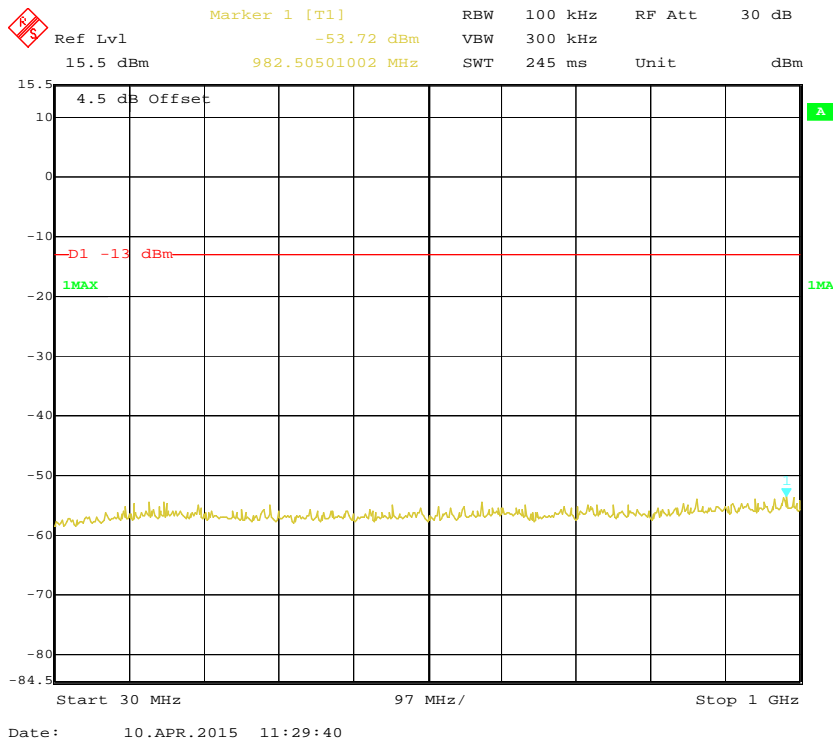
30 MHz - 1 GHz (10.0 MHz, Middle Channel)



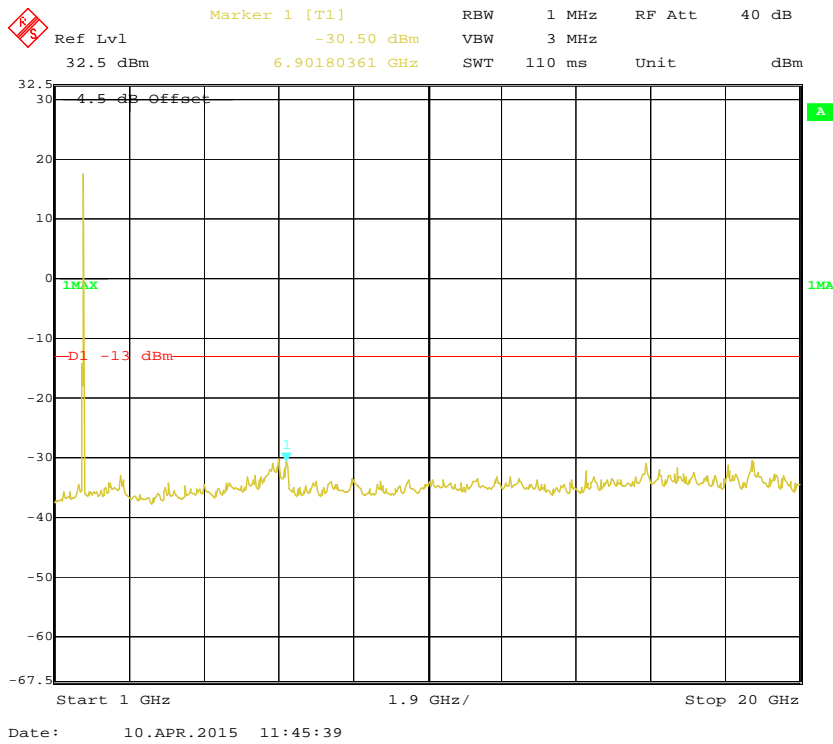
1 GHz - 20 GHz (10.0 MHz, Middle Channel)



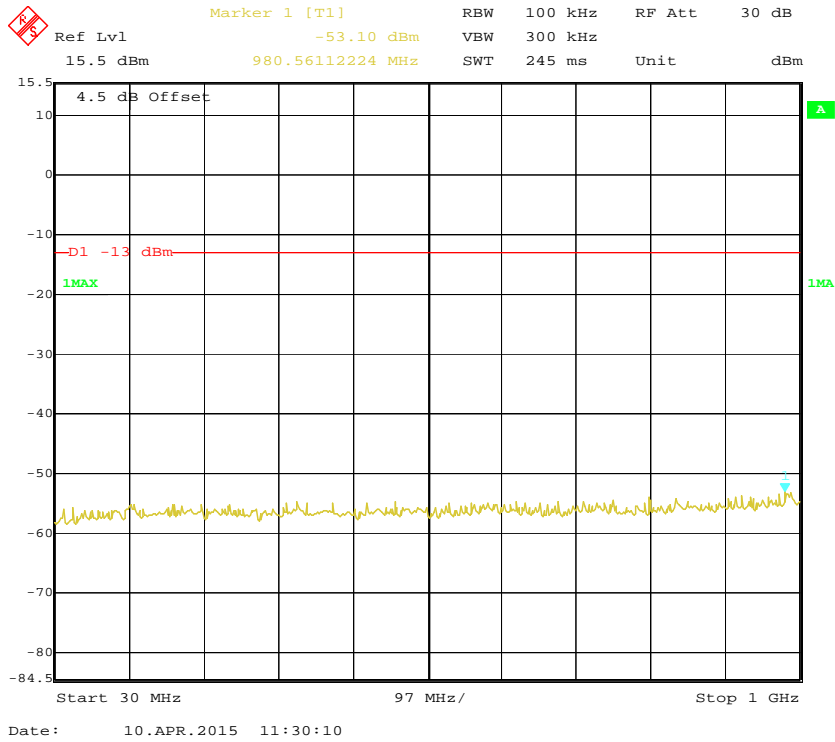
30 MHz - 1 GHz (15.0 MHz, Middle Channel)



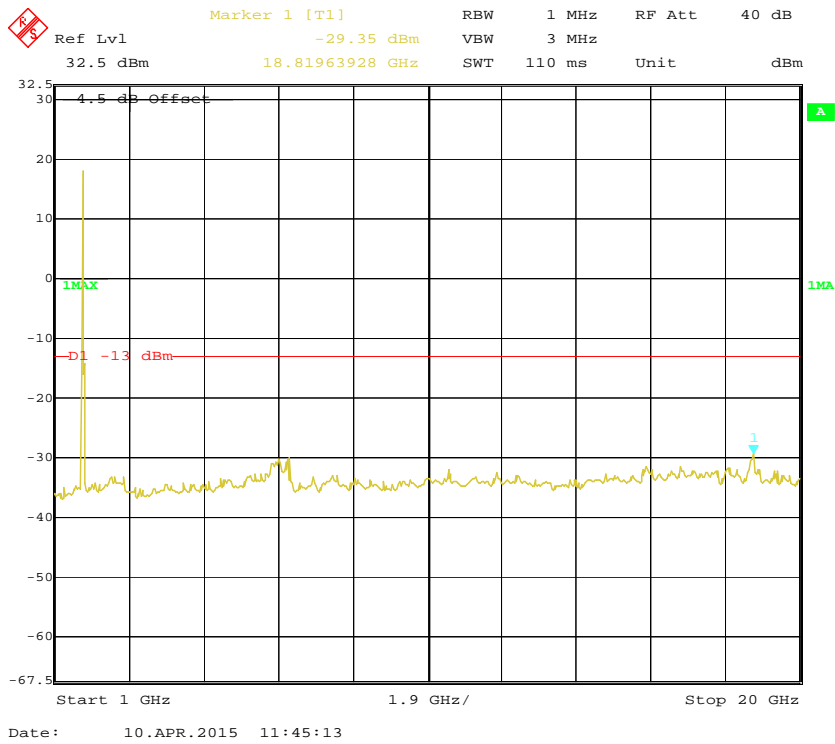
1 GHz - 20 GHz (15.0 MHz, Middle Channel)



30 MHz - 1 GHz (20.0 MHz, Middle Channel)

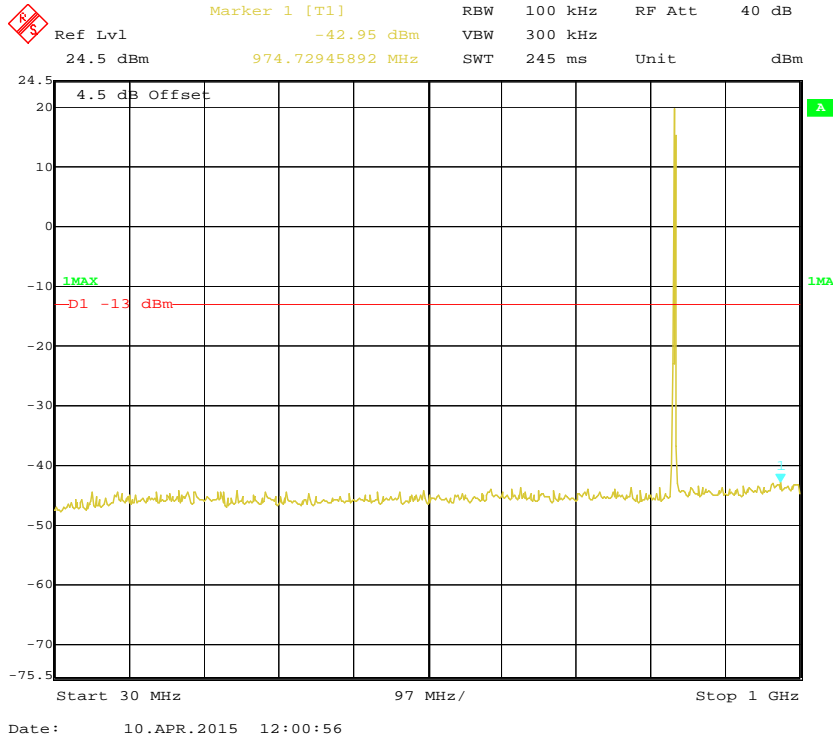


1 GHz - 20 GHz (20.0 MHz, Middle Channel)

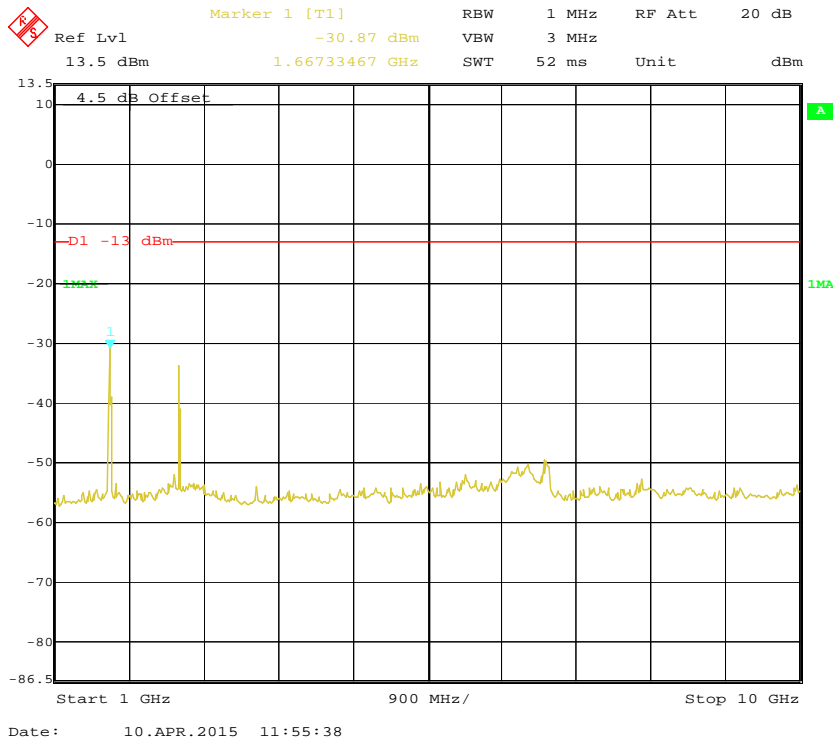


Band 5:

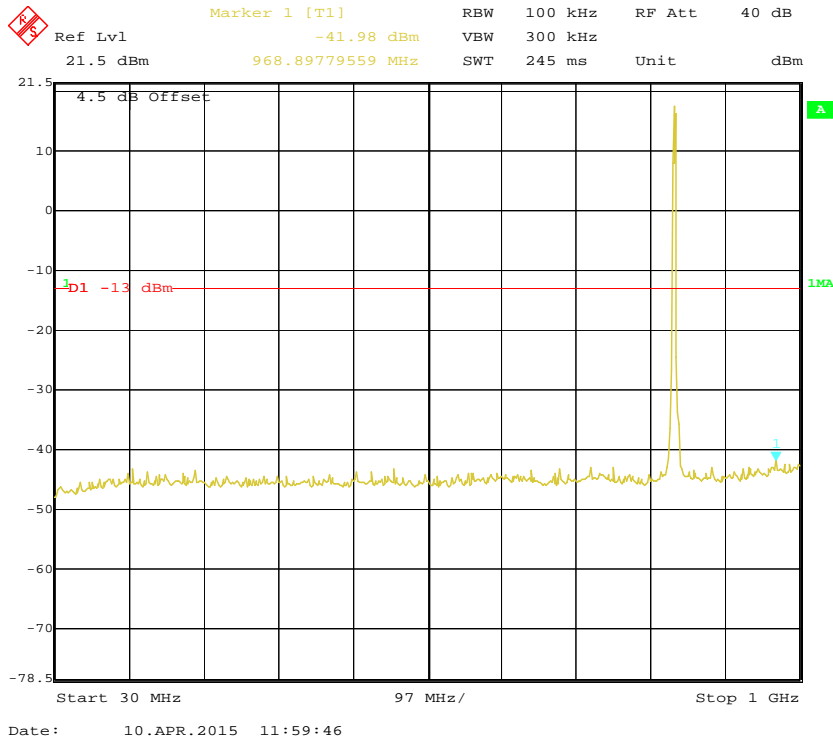
30 MHz - 1 GHz (1.4 MHz, Middle Channel)



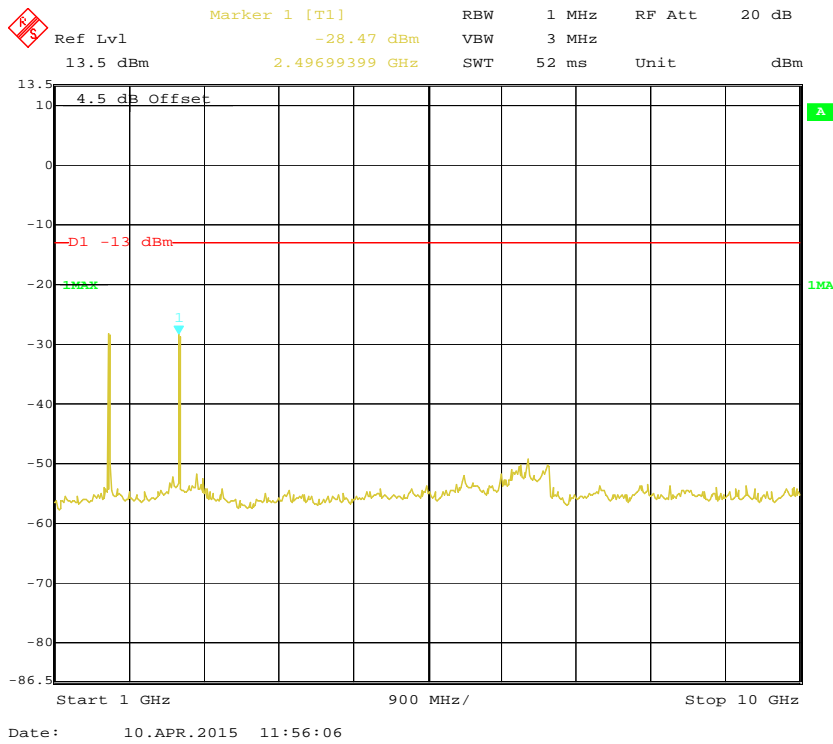
1 GHz - 20 GHz (1.4 MHz, Middle Channel)



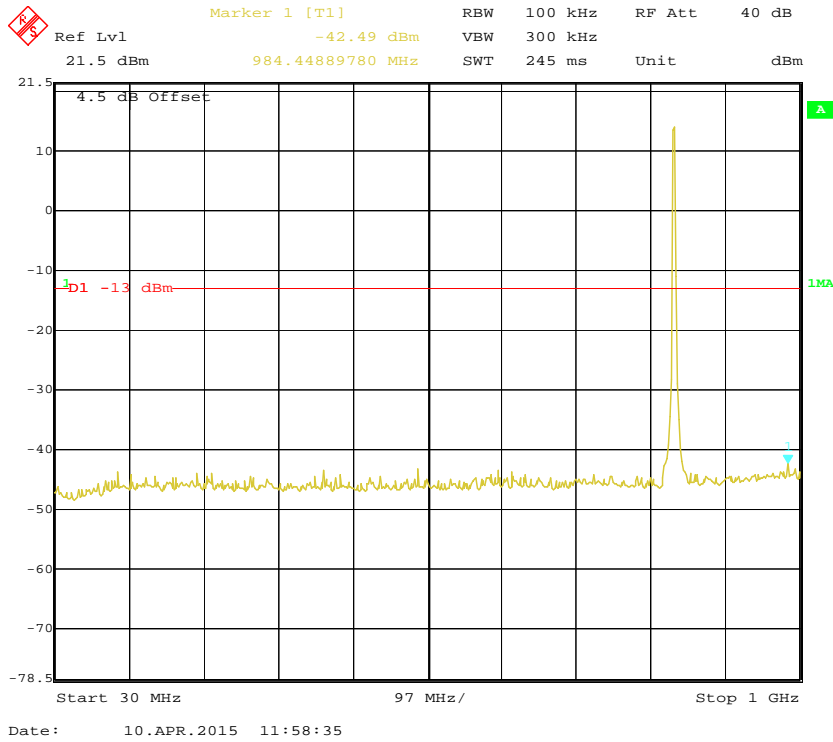
30 MHz - 1 GHz (3.0 MHz, Middle Channel)



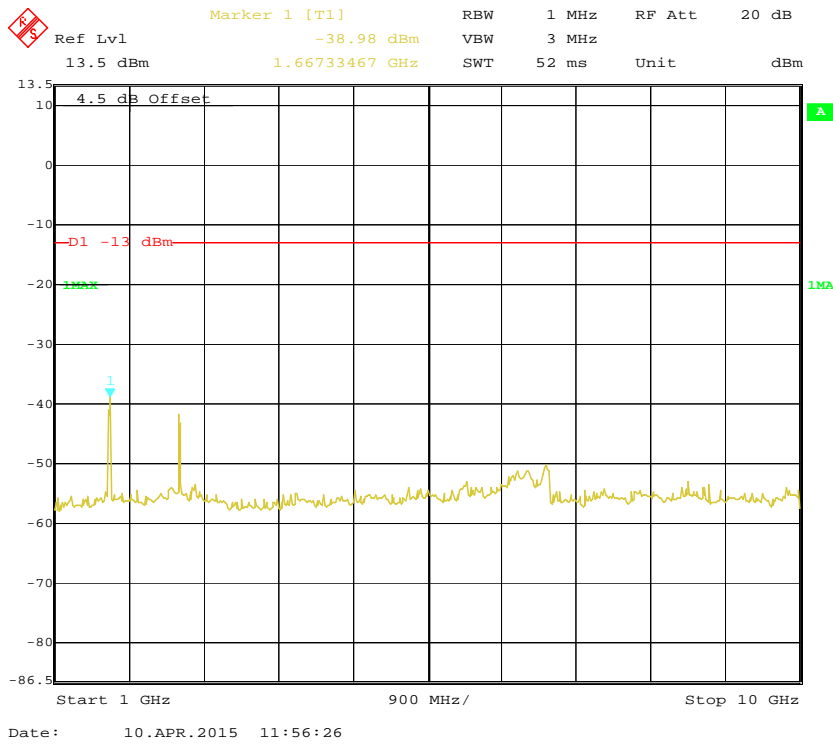
1 GHz - 20 GHz (3.0 MHz, Middle Channel)



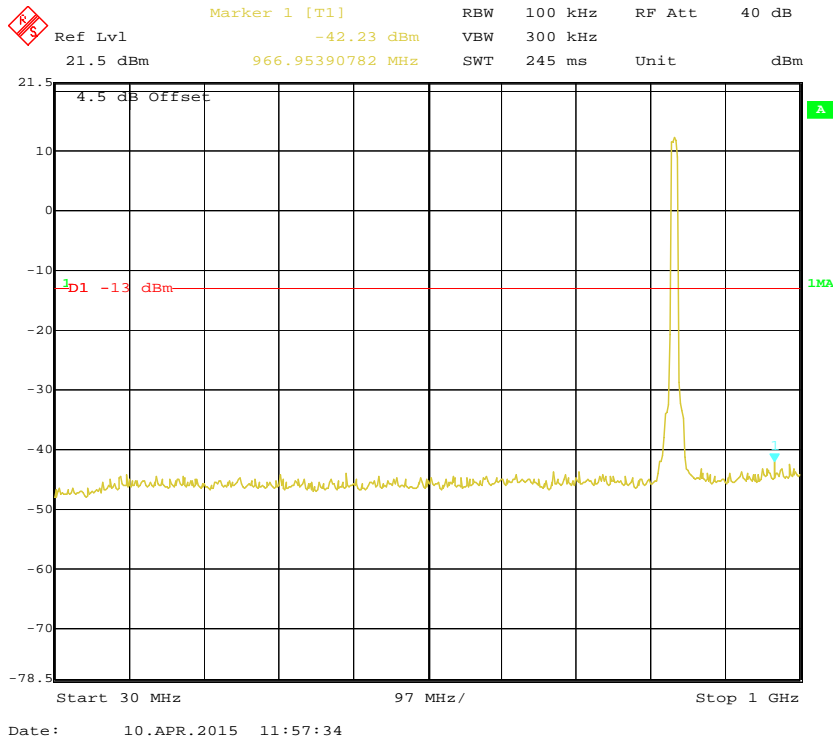
30 MHz - 1 GHz (5.0 MHz, Middle Channel)



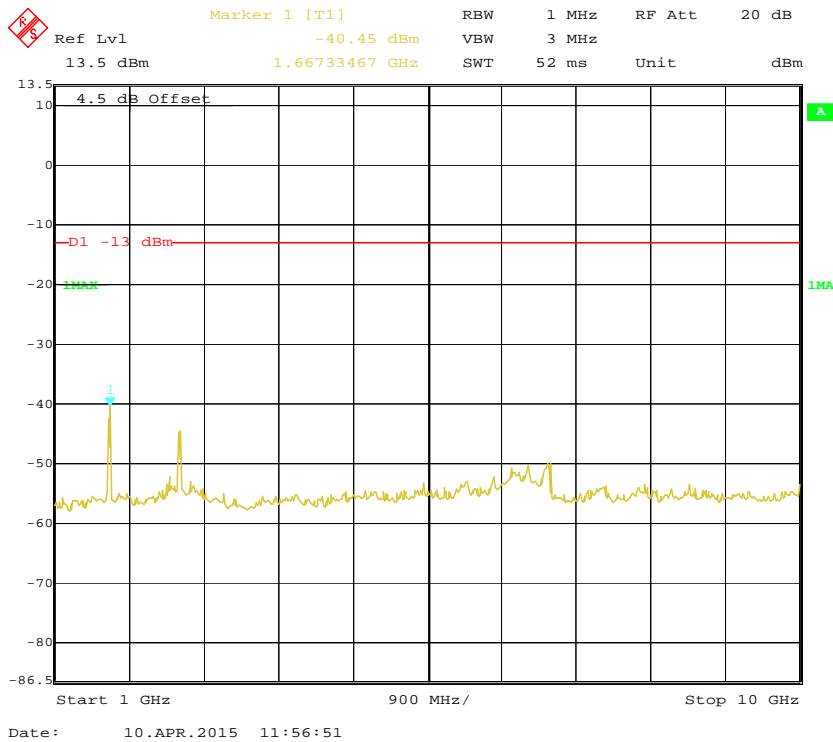
1 GHz - 20 GHz (5.0 MHz, Middle Channel)



30 MHz - 1 GHz (10.0 MHz, Middle Channel)

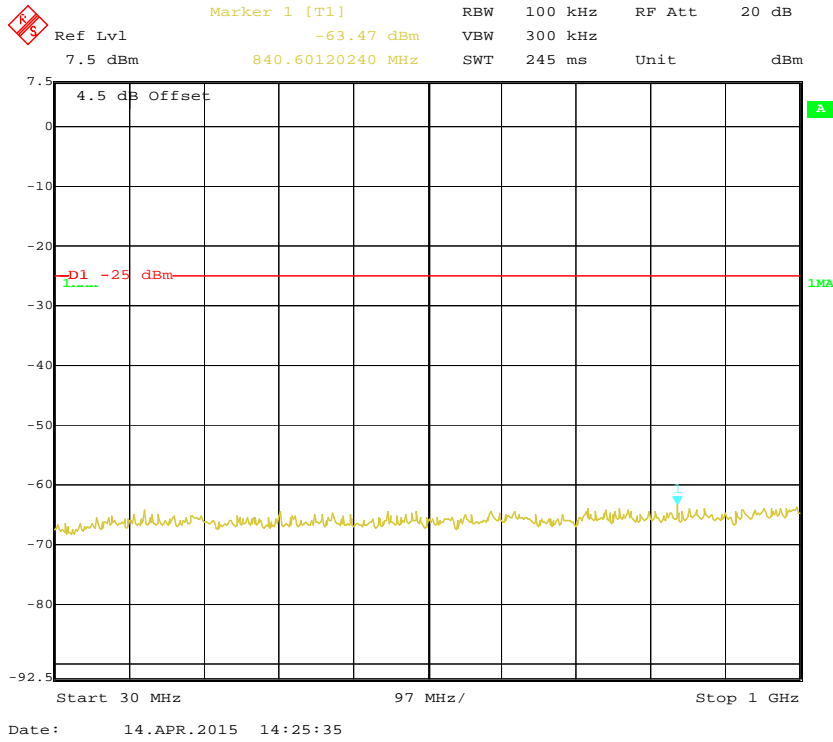


1 GHz - 20 GHz (10.0 MHz, Middle Channel)

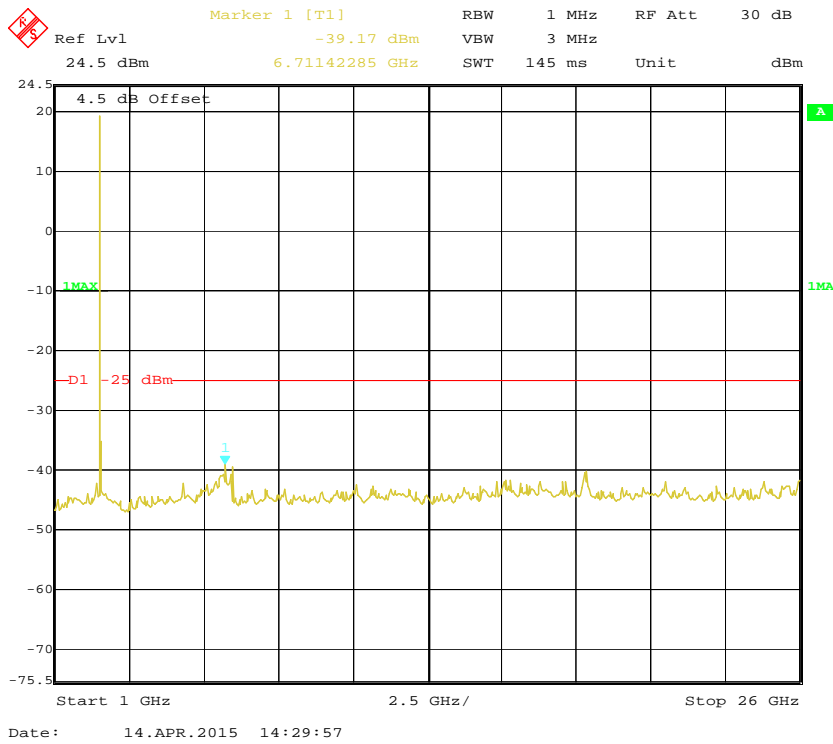


Band 7:

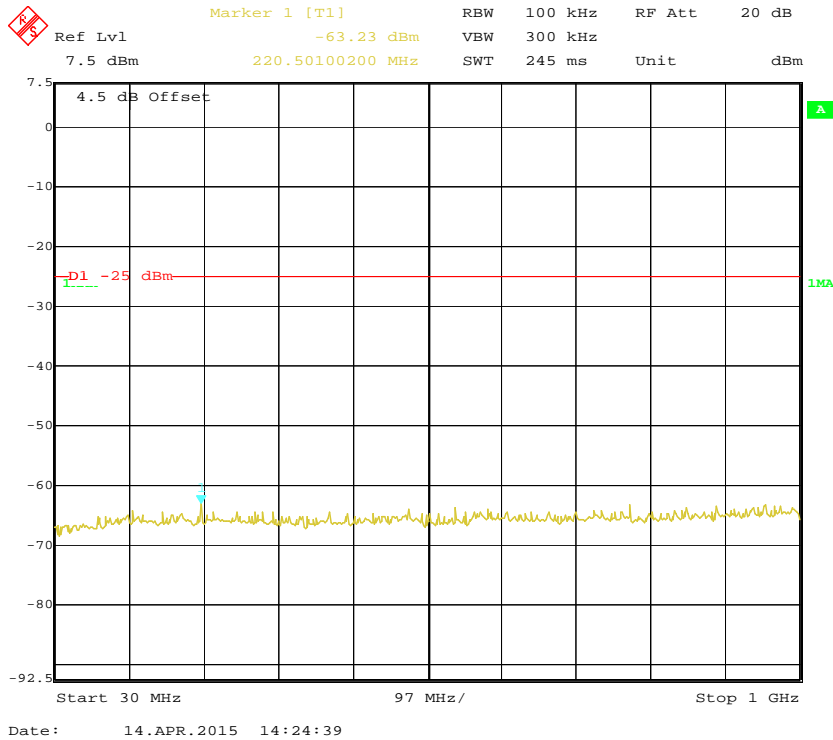
30 MHz - 1 GHz (5.0 MHz, Middle Channel)



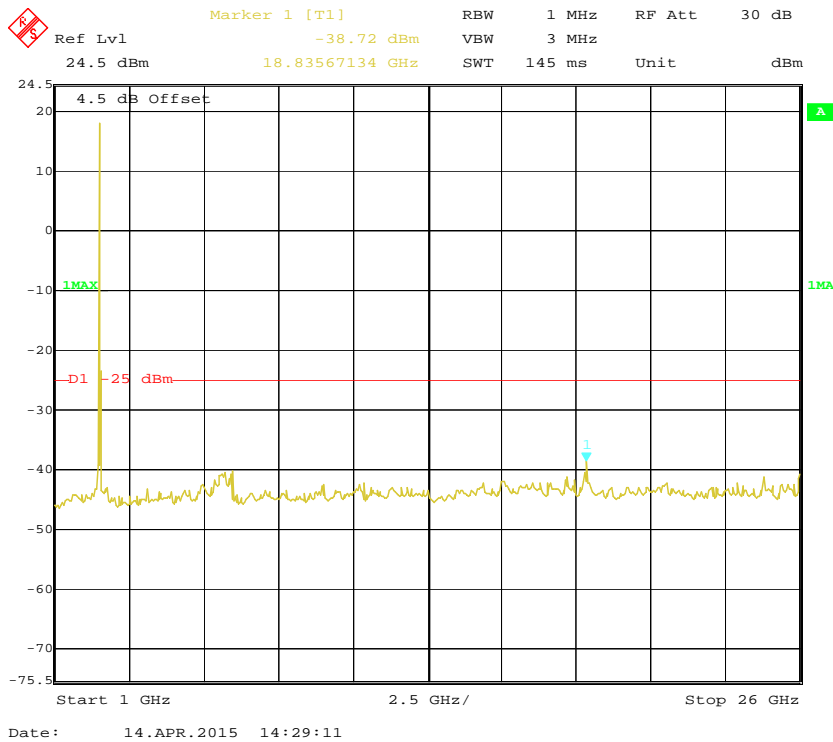
1 GHz - 26 GHz (5.0 MHz, Middle Channel)



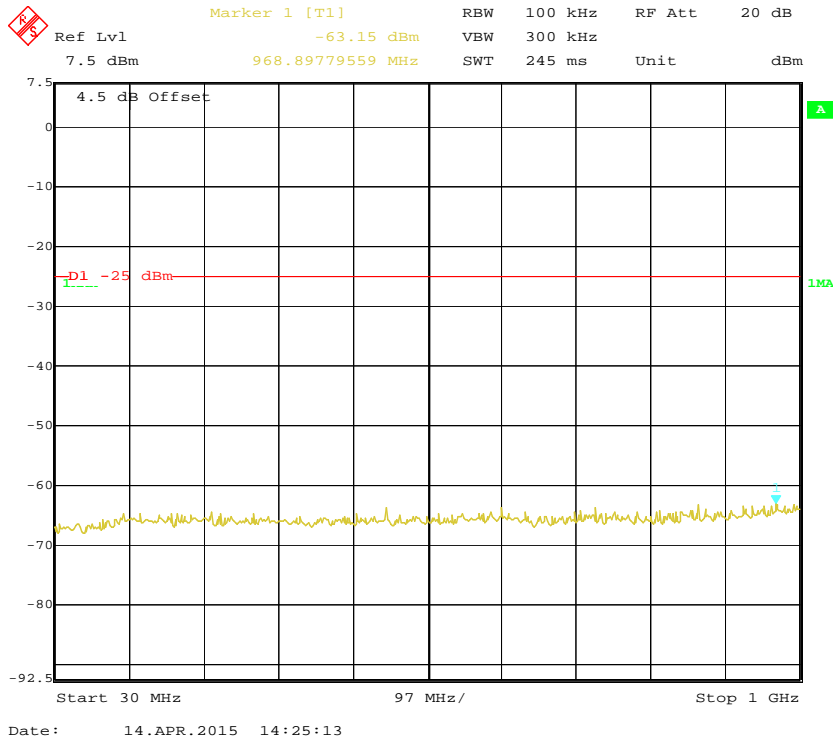
30 MHz - 1 GHz (10.0 MHz, Middle Channel)



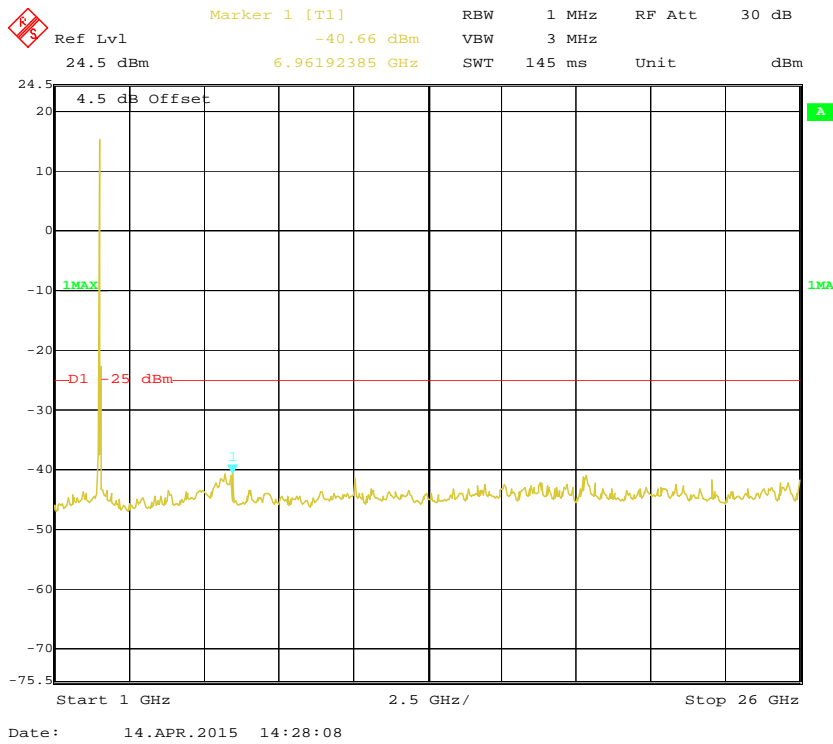
1 GHz - 26 GHz (10.0 MHz, Middle Channel)



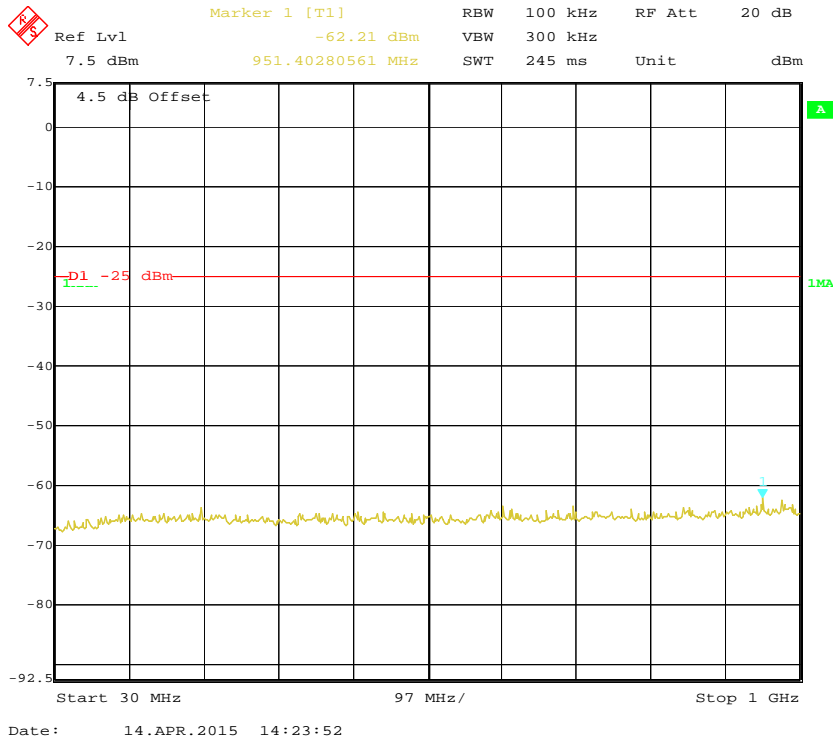
30 MHz - 1 GHz (15.0 MHz, Middle Channel)



1 GHz - 26 GHz (15.0 MHz, Middle Channel)



30 MHz - 1 GHz (20.0 MHz, Middle Channel)



1 GHz - 26 GHz (20.0 MHz, Middle Channel)

