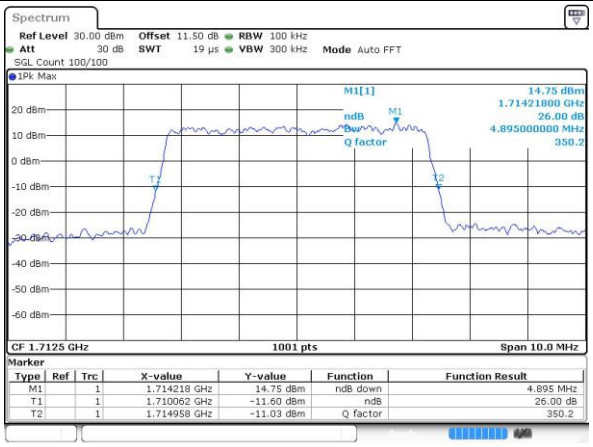
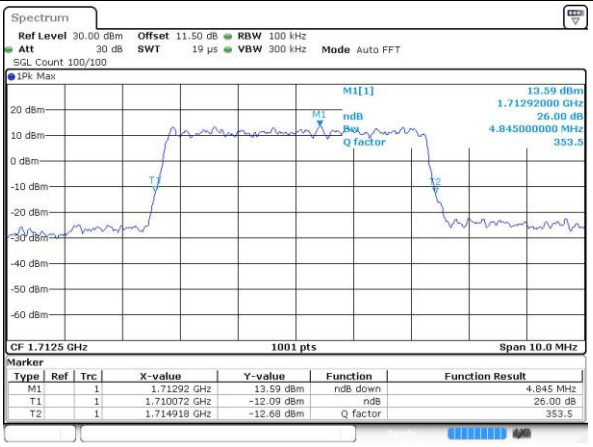
LTE Band 4

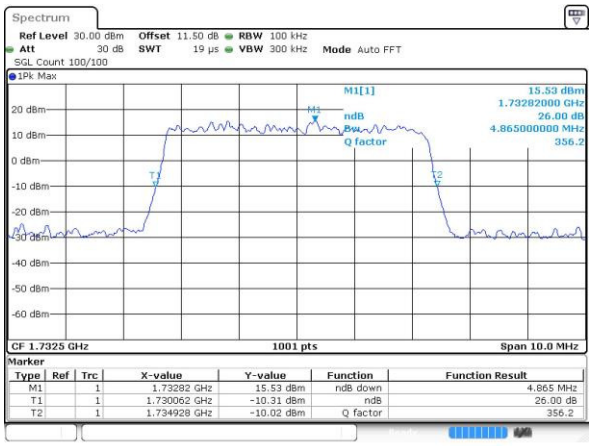
Lowest Channel / 5MHz / QPSK



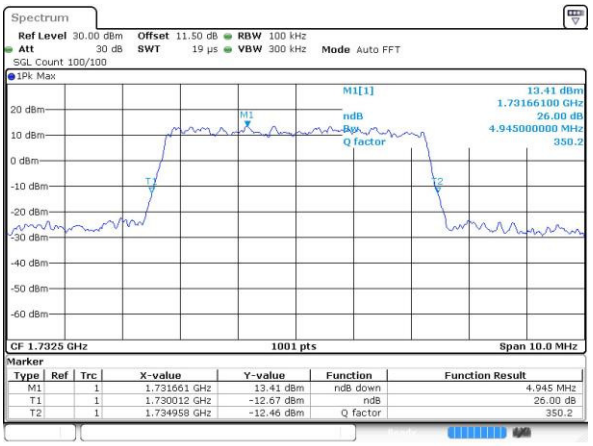
Lowest Channel / 5MHz / 16QAM



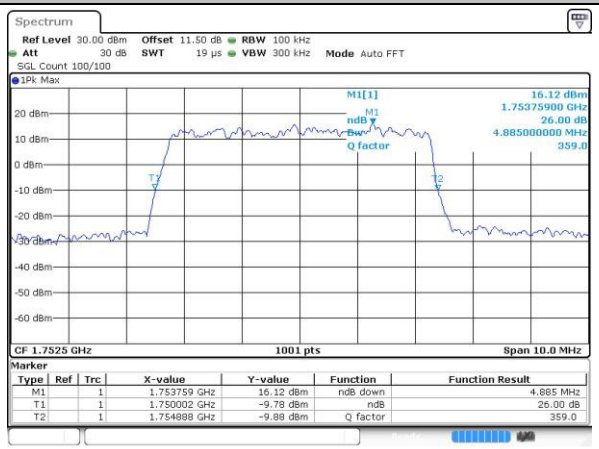
Middle Channel / 5MHz / QPSK



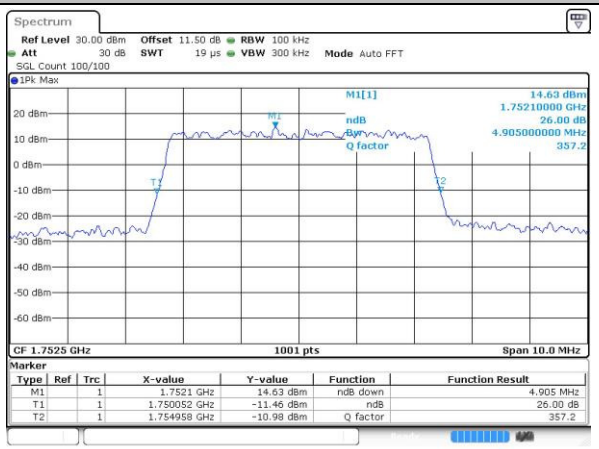
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

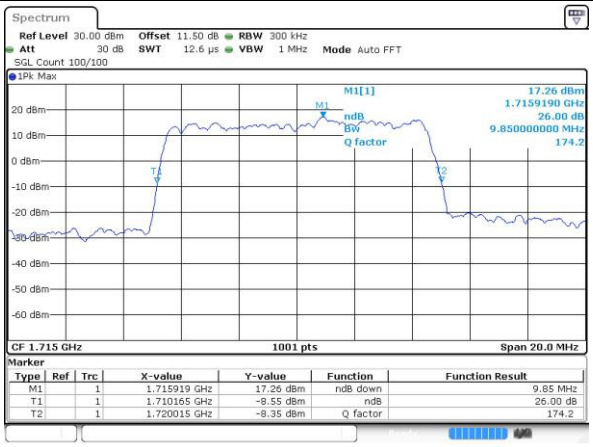


Highest Channel / 5MHz / 16QAM

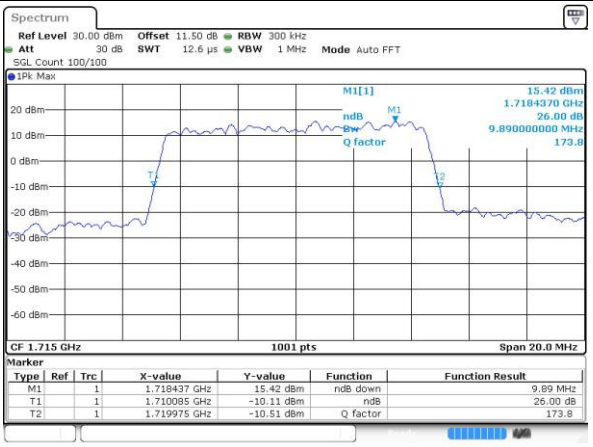


LTE Band 4

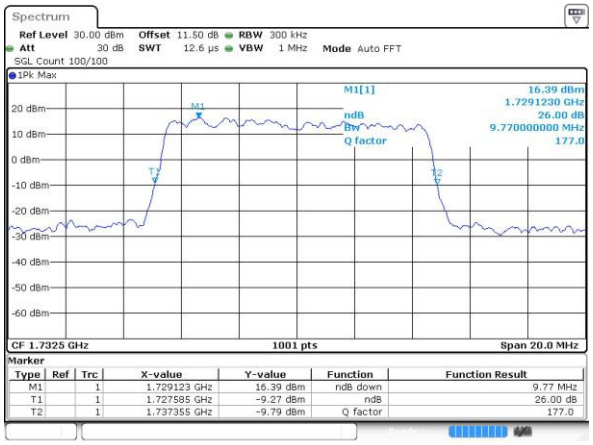
Lowest Channel / 10MHz / QPSK



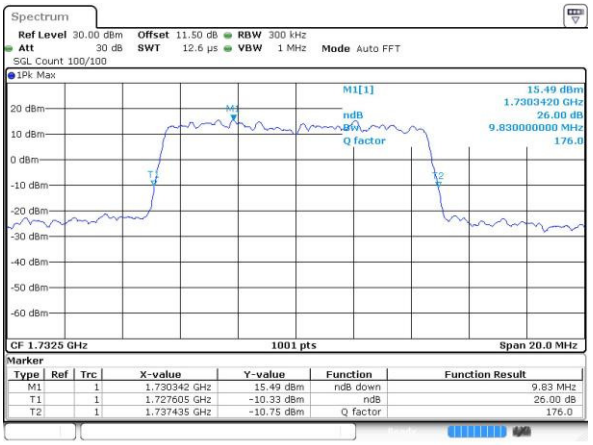
Lowest Channel / 10MHz / 16QAM



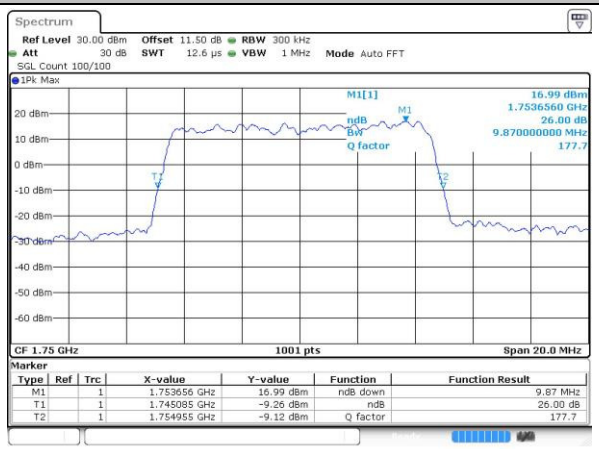
Middle Channel / 10MHz / QPSK



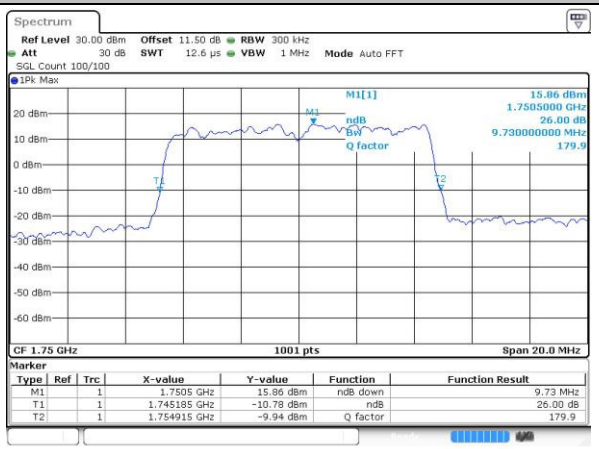
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

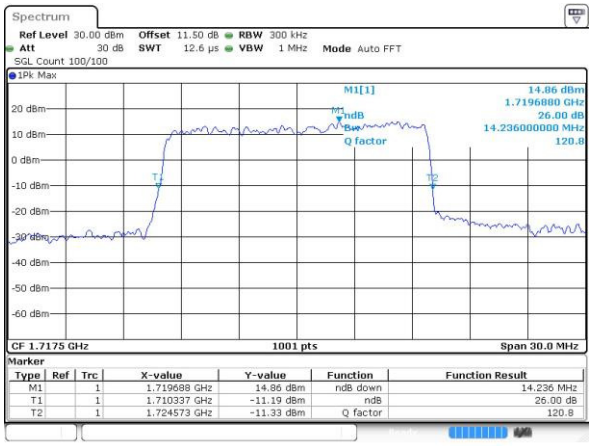


Highest Channel / 10MHz / 16QAM

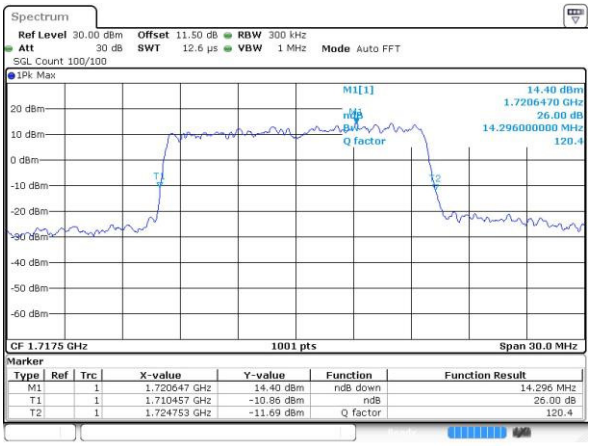


LTE Band 4

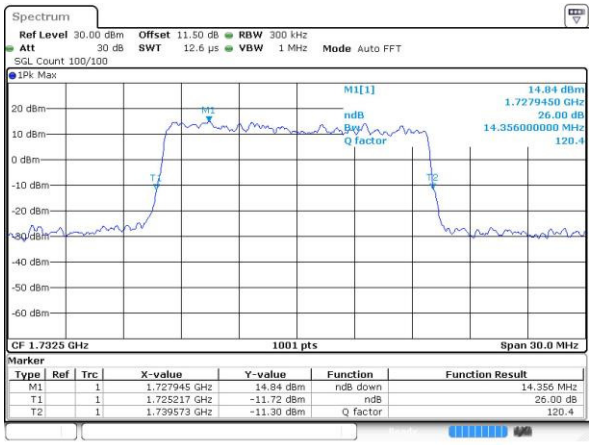
Lowest Channel / 15MHz / QPSK



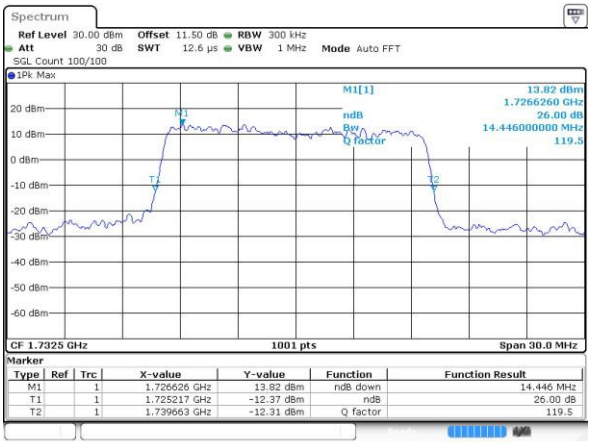
Lowest Channel / 15MHz / 16QAM



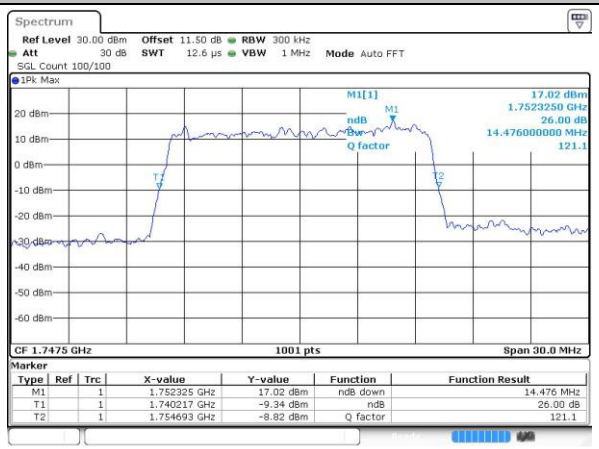
Middle Channel / 15MHz / QPSK



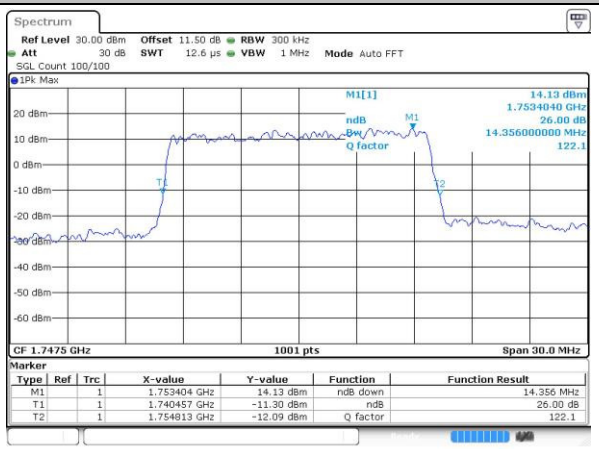
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

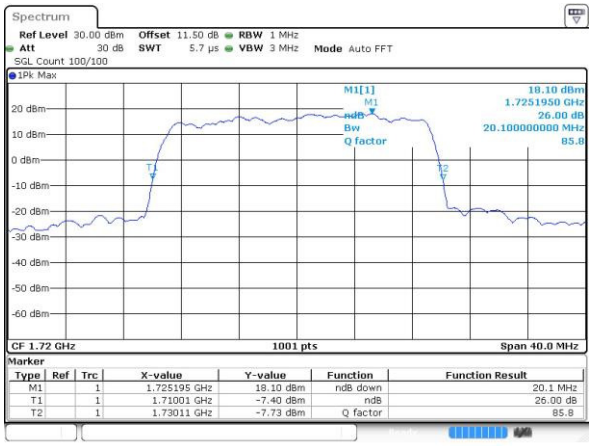


Highest Channel / 15MHz / 16QAM

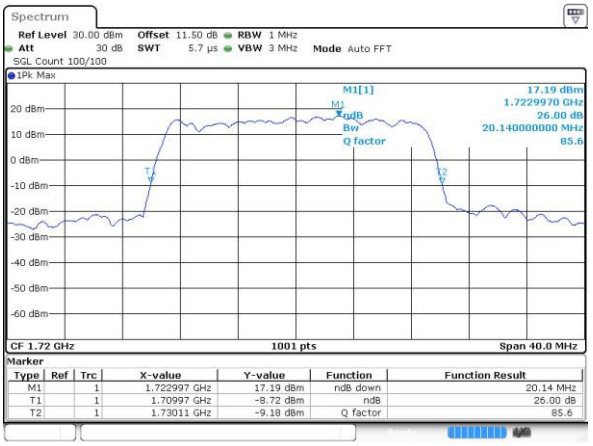


LTE Band 4

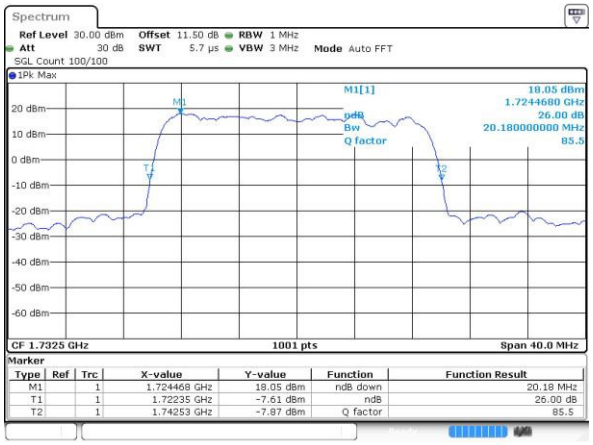
Lowest Channel / 20MHz / QPSK



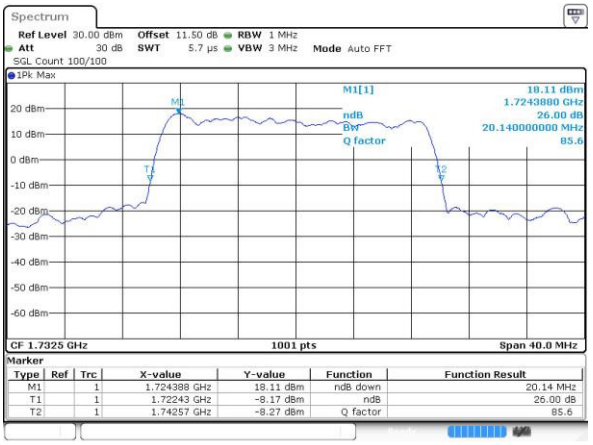
Lowest Channel / 20MHz / 16QAM



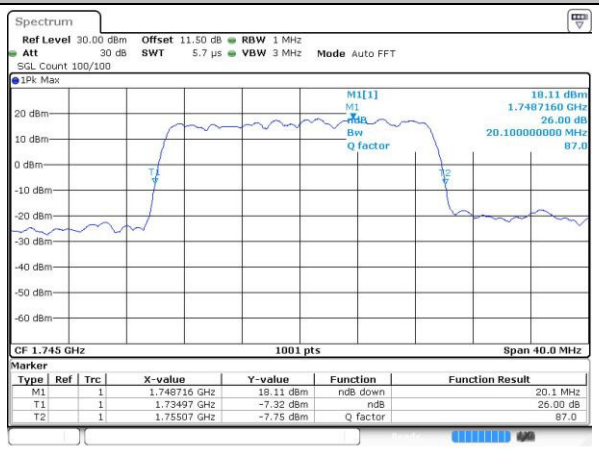
Middle Channel / 20MHz / QPSK



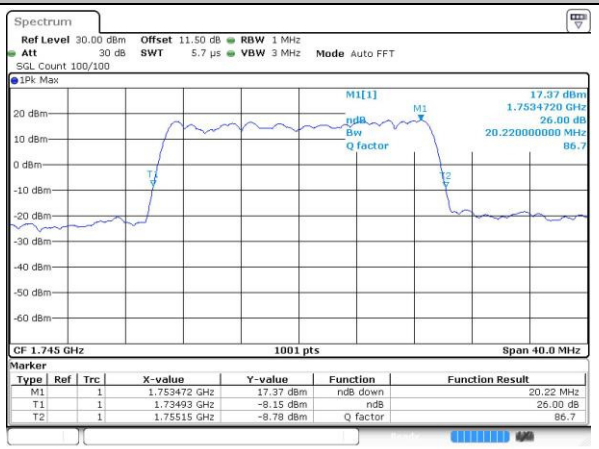
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

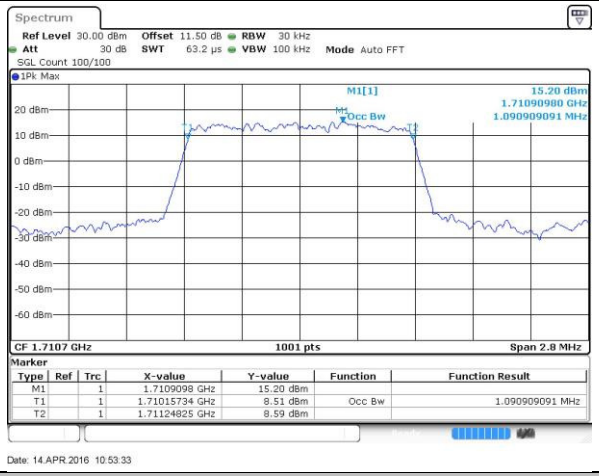


Occupied Bandwidth

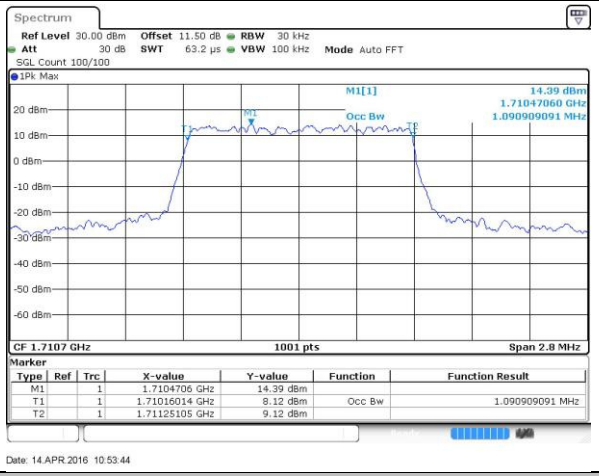
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.73	4.5	4.49	9.07	8.99	13.37	13.43	18.34	18.1
Middle CH	1.09	1.09	2.73	2.73	4.49	4.49	9.03	9.03	13.46	13.43	18.26	18.3
Highest CH	1.09	1.09	2.72	2.69	4.49	4.51	9.05	8.99	13.46	13.49	18.46	18.42

LTE Band 4

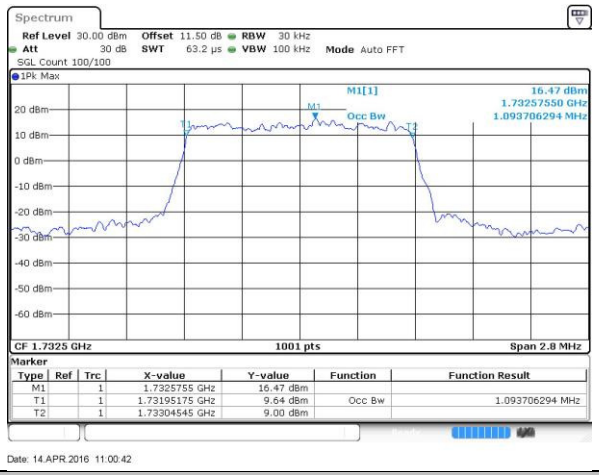
Lowest Channel / 1.4MHz / QPSK



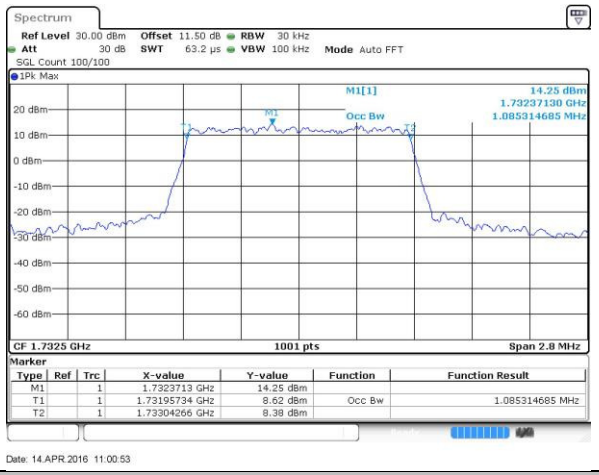
Lowest Channel / 1.4MHz / 16QAM



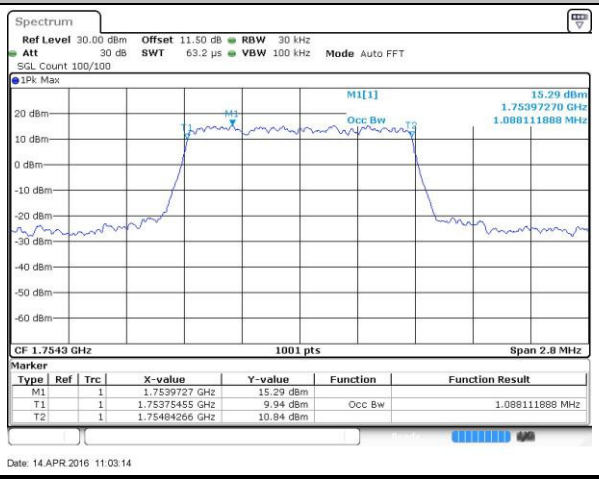
Middle Channel / 1.4MHz / QPSK



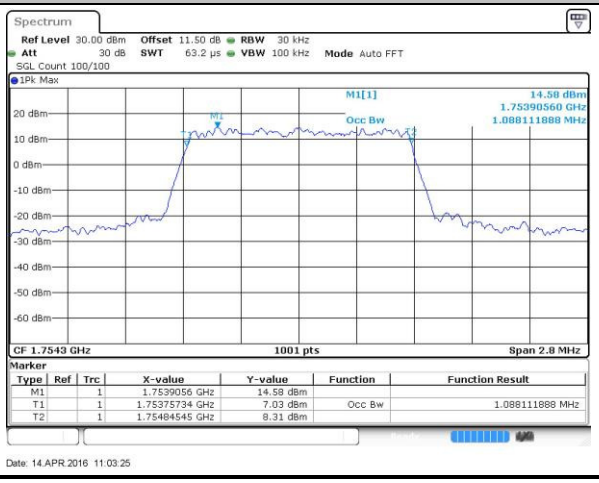
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

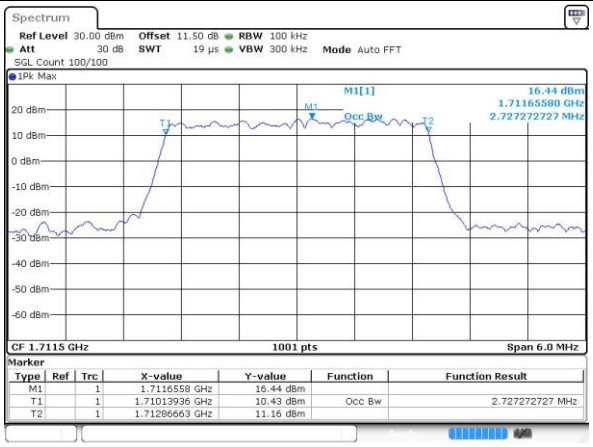


Highest Channel / 1.4MHz / 16QAM

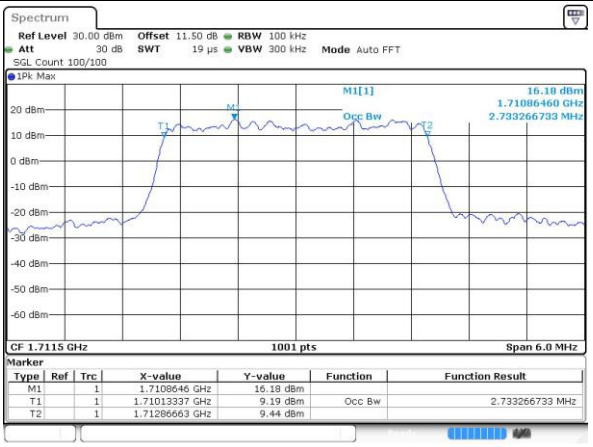


LTE Band 4

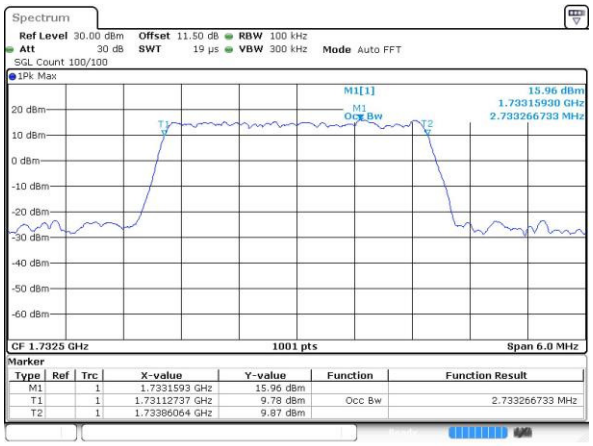
Lowest Channel / 3MHz / QPSK



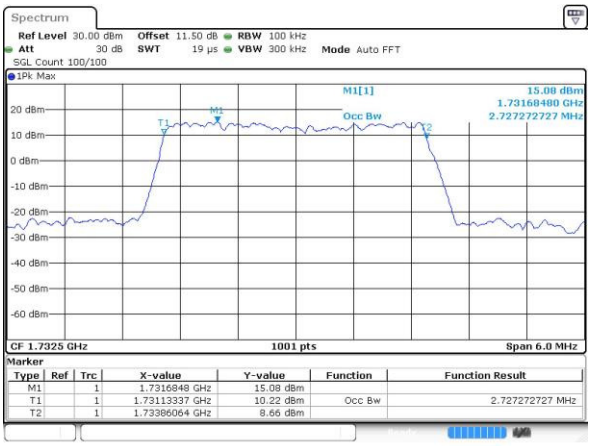
Lowest Channel / 3MHz / 16QAM



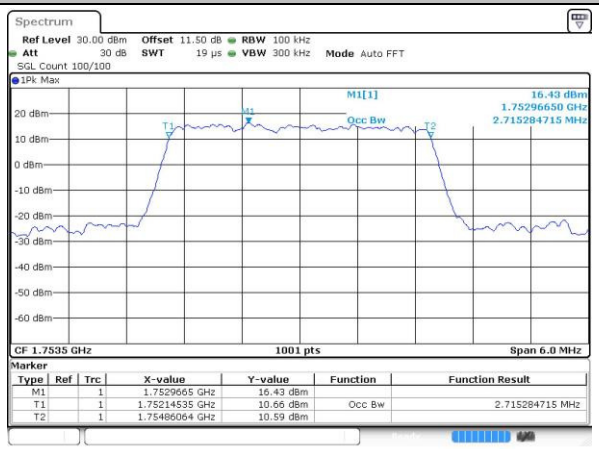
Middle Channel / 3MHz / QPSK



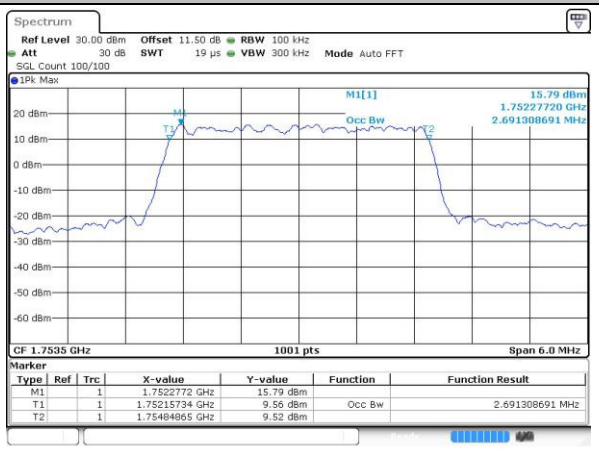
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

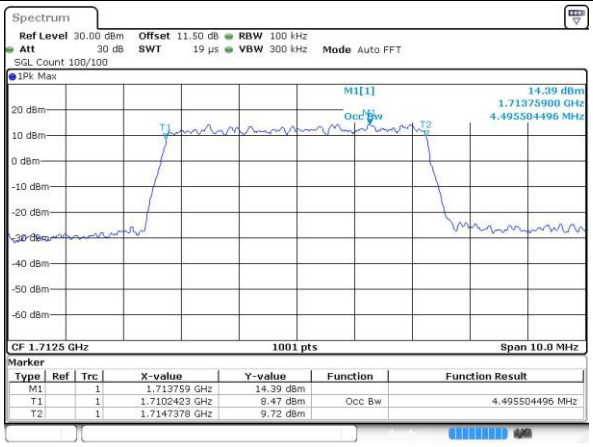


Highest Channel / 3MHz / 16QAM

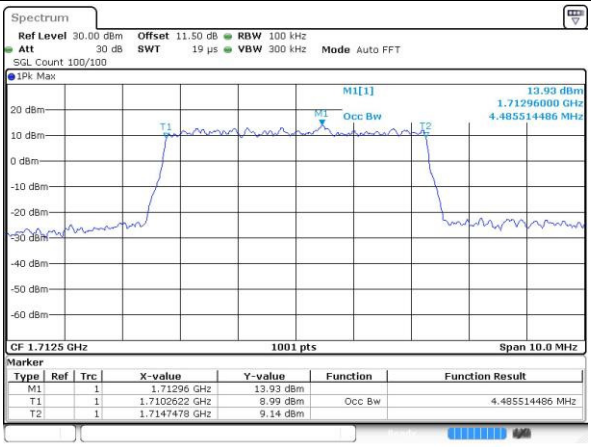


LTE Band 4

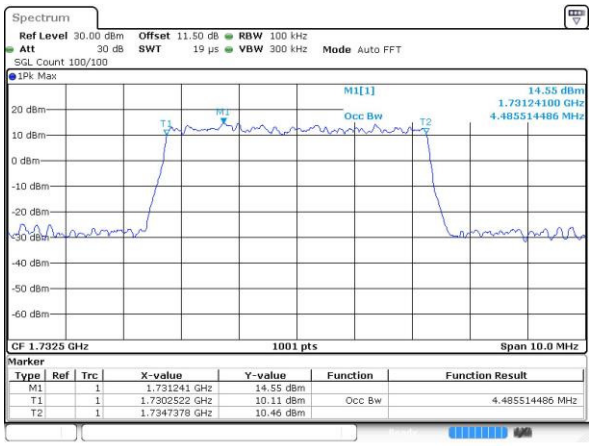
Lowest Channel / 5MHz / QPSK



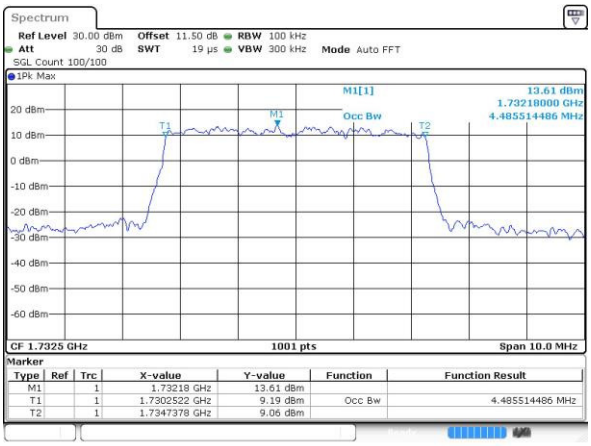
Lowest Channel / 5MHz / 16QAM



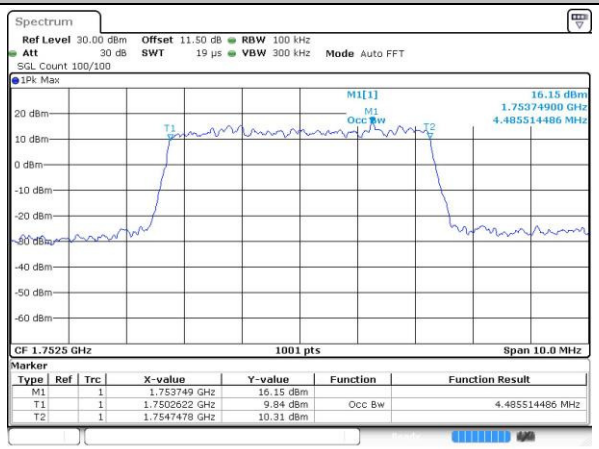
Middle Channel / 5MHz / QPSK



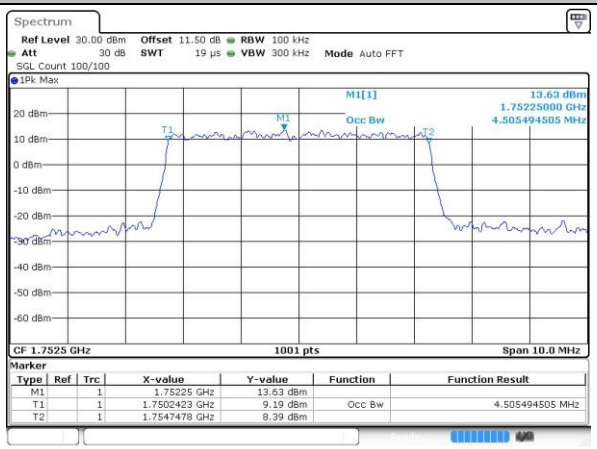
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

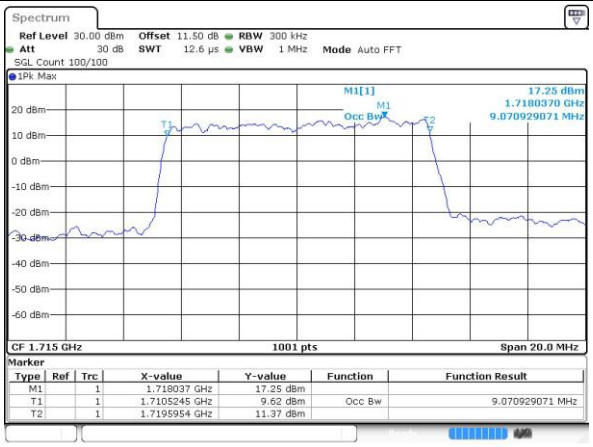


Highest Channel / 5MHz / 16QAM

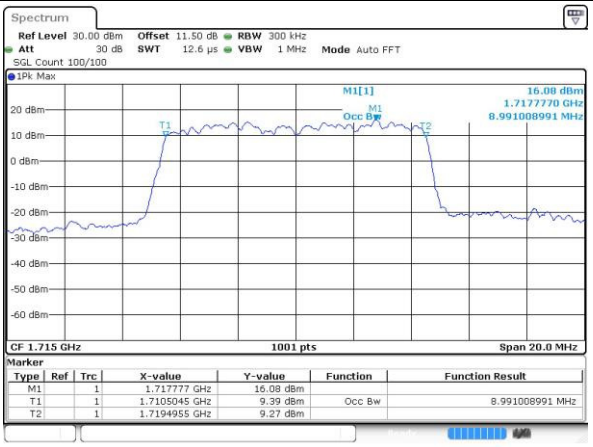


LTE Band 4

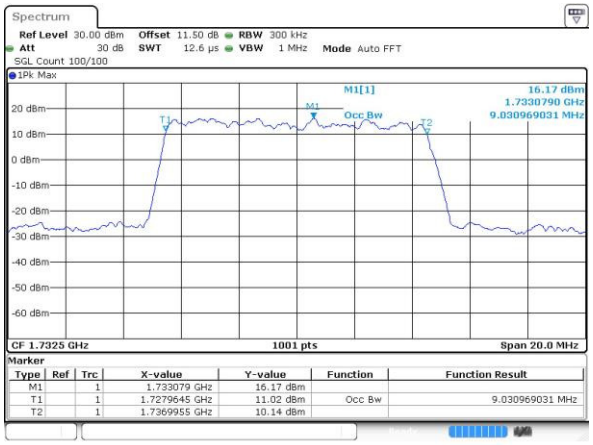
Lowest Channel / 10MHz / QPSK



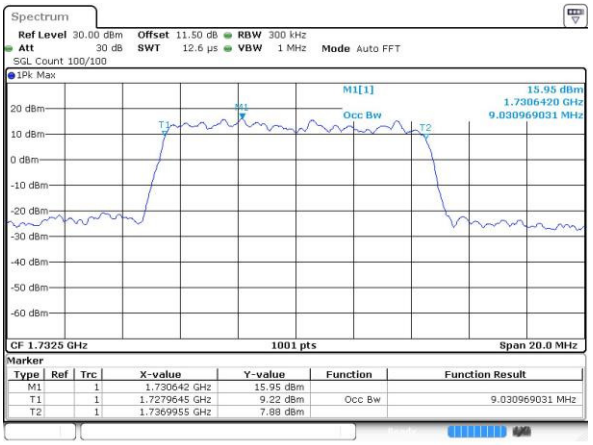
Lowest Channel / 10MHz / 16QAM



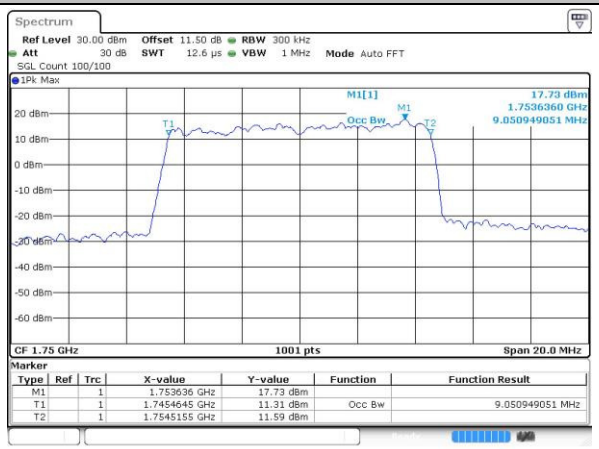
Middle Channel / 10MHz / QPSK



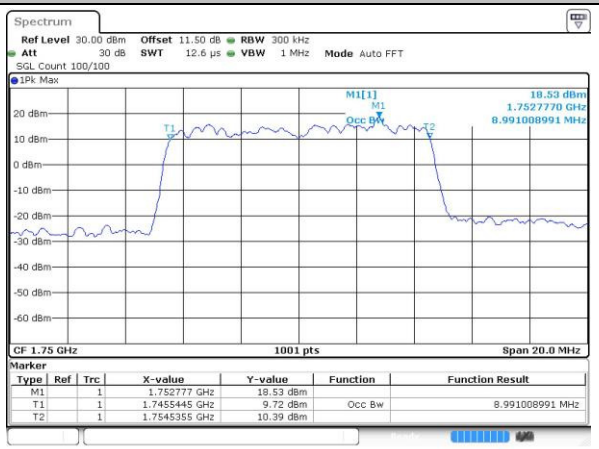
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

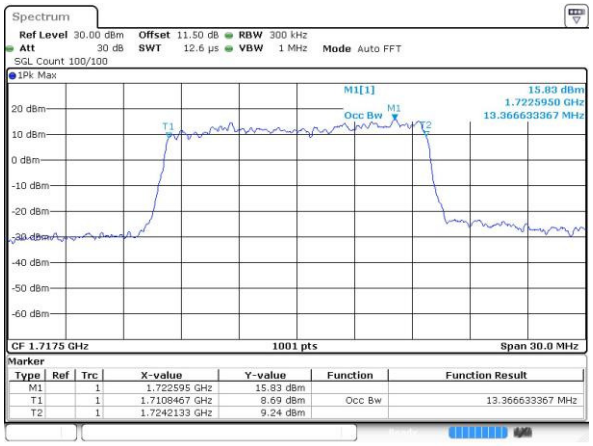


Highest Channel / 10MHz / 16QAM



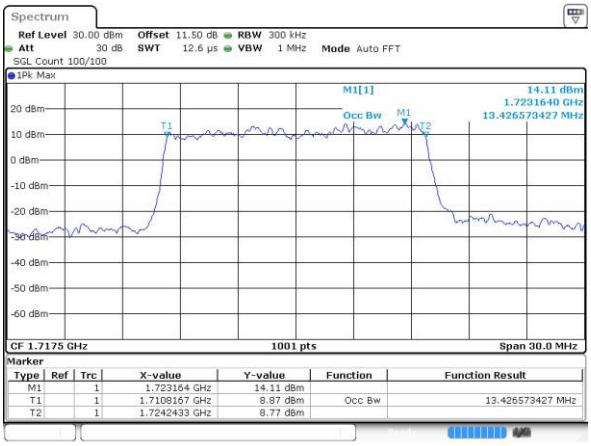
LTE Band 4

Lowest Channel / 15MHz / QPSK



Date: 14.APR.2016 15:10:11

Lowest Channel / 15MHz / 16QAM



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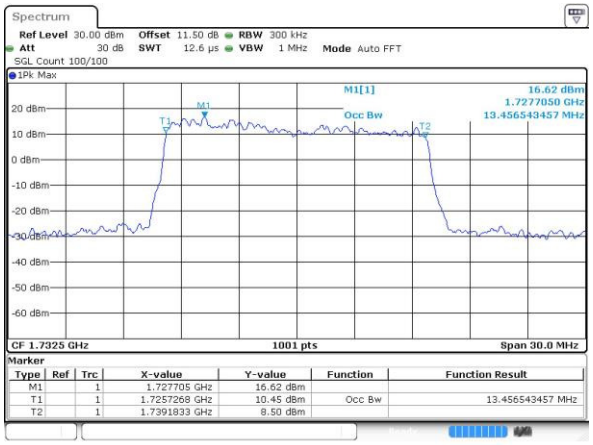
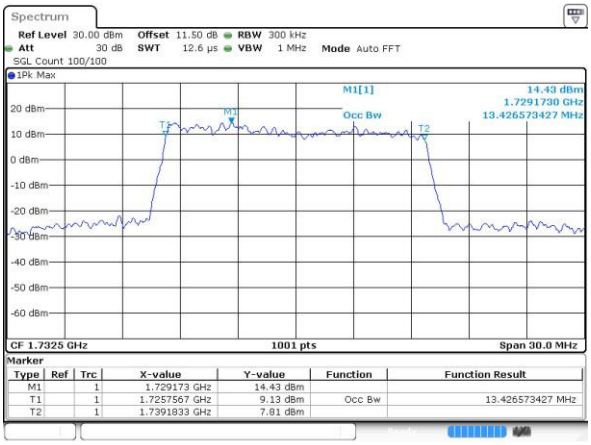
Middle Channel / 15MHz / QPSK



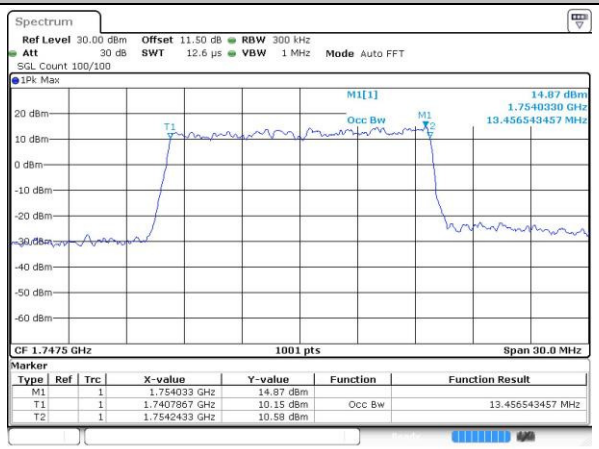
Date: 14.APR.2016 15:17:20

Middle Channel / 15MHz / 16QAM



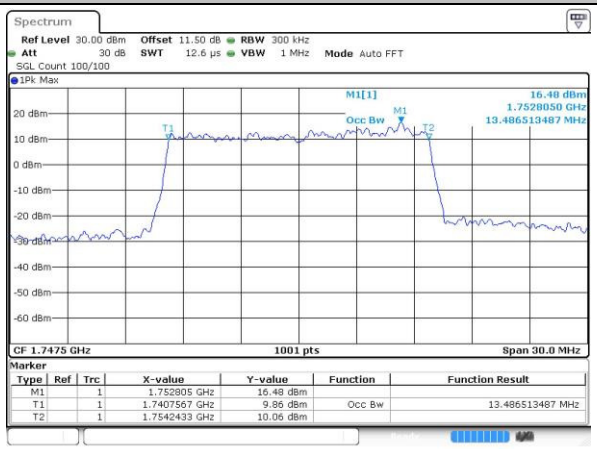
Date: 14.APR.2016 15:17:30

Highest Channel / 15MHz / QPSK



Date: 14.APR.2016 15:19:51

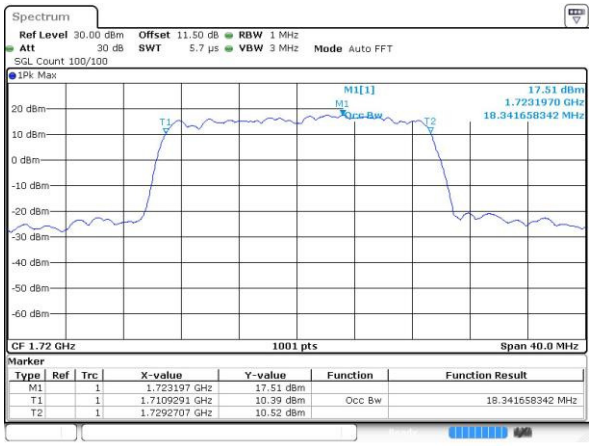
Highest Channel / 15MHz / 16QAM



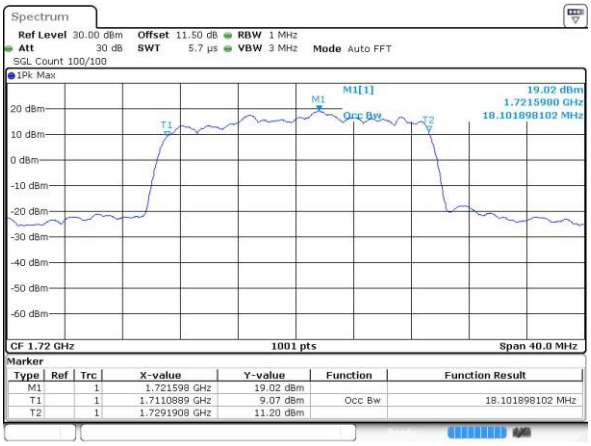
Date: 14.APR.2016 15:20:02

LTE Band 4

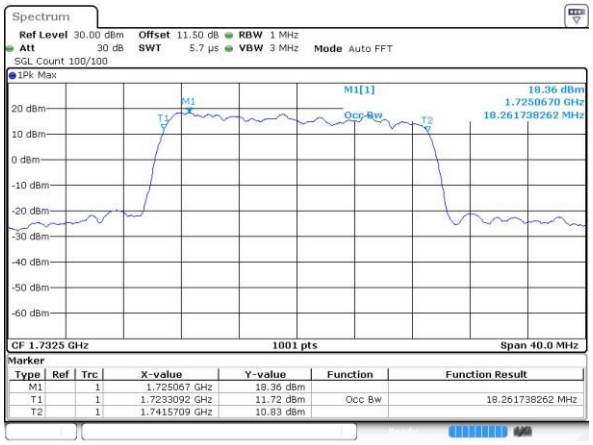
Lowest Channel / 20MHz / QPSK



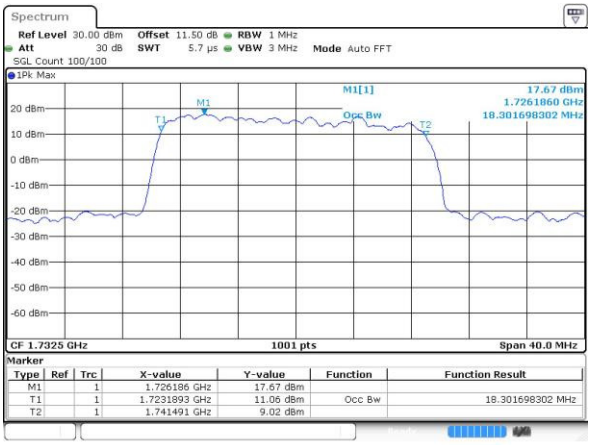
Lowest Channel / 20MHz / 16QAM



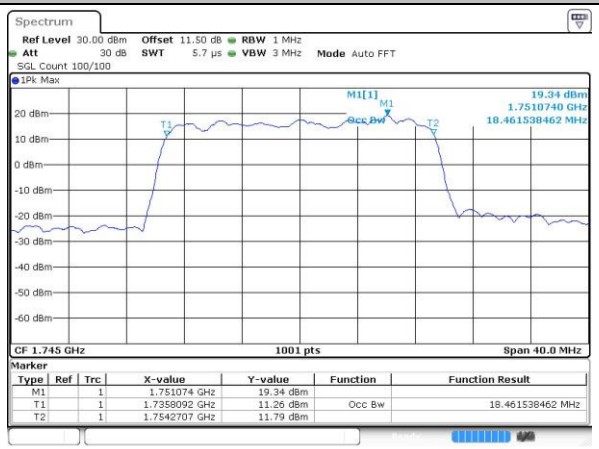
Middle Channel / 20MHz / QPSK



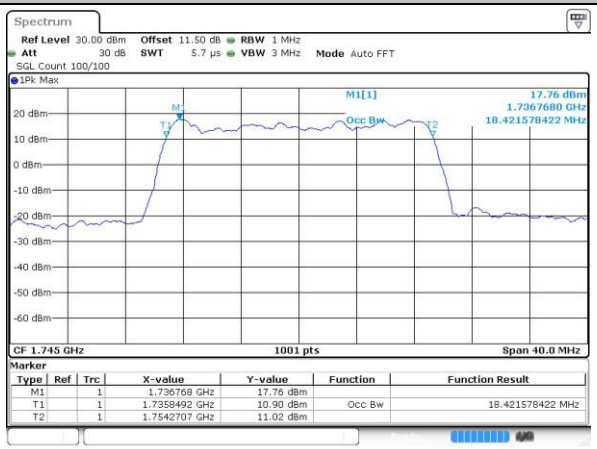
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



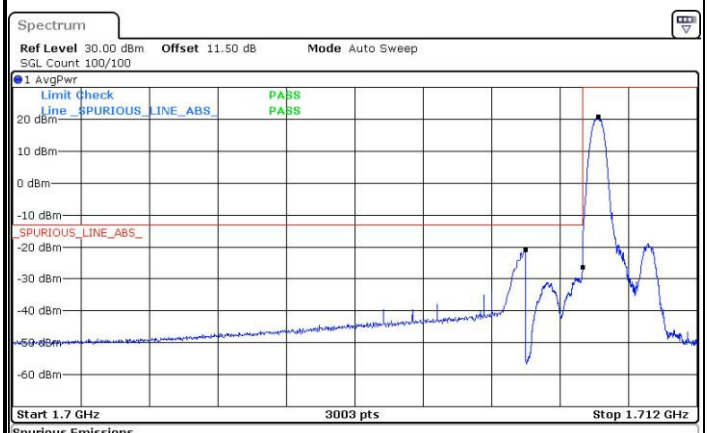
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

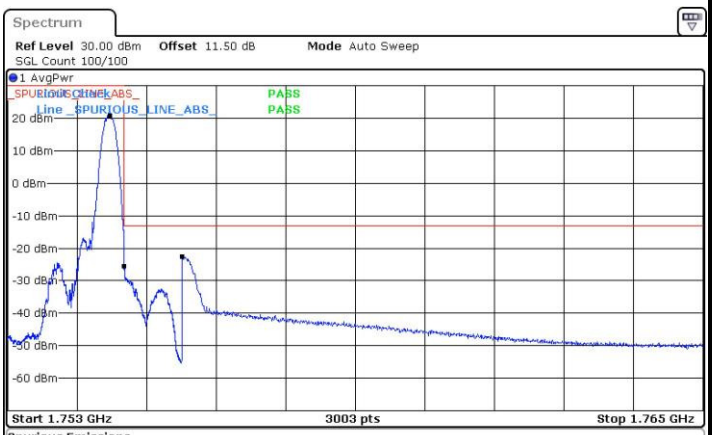


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-20.97 dBm	-7.97 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-26.32 dBm	-13.32 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71027 GHz	20.69 dBm	-9.31 dB

Date: 14.APR.2016 10:55:14

Highest Band Edge / 1RB

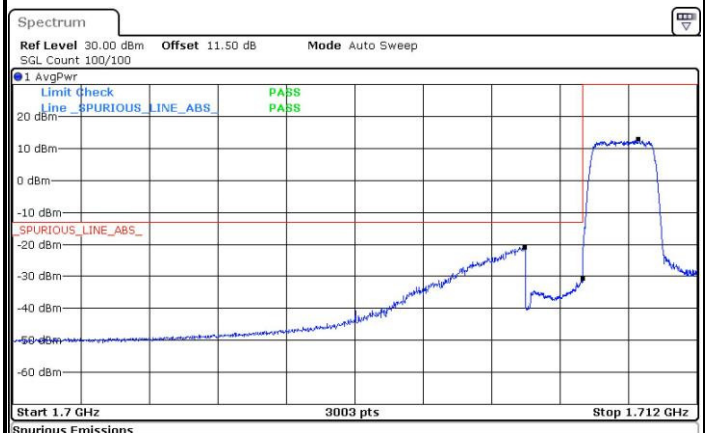


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75477 GHz	20.92 dBm	-9.08 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-25.62 dBm	-12.62 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-22.55 dBm	-9.55 dB

Date: 14.APR.2016 11:04:55

Lowest Band Edge / Full RB

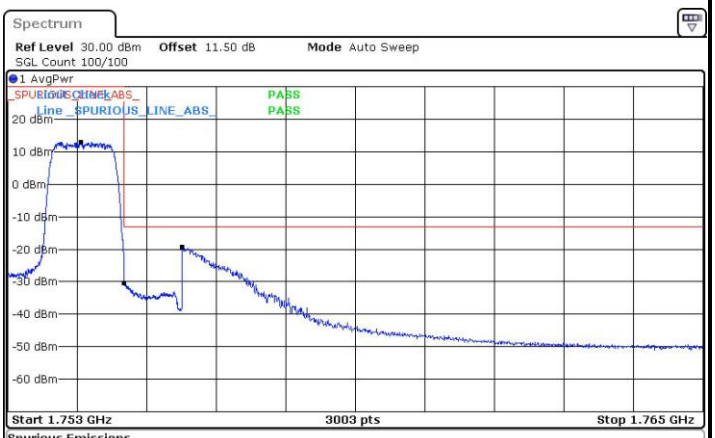


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-20.91 dBm	-7.91 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-30.70 dBm	-17.70 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71097 GHz	12.87 dBm	-17.13 dB

Date: 14.APR.2016 10:57:32

Highest Band Edge / Full RB



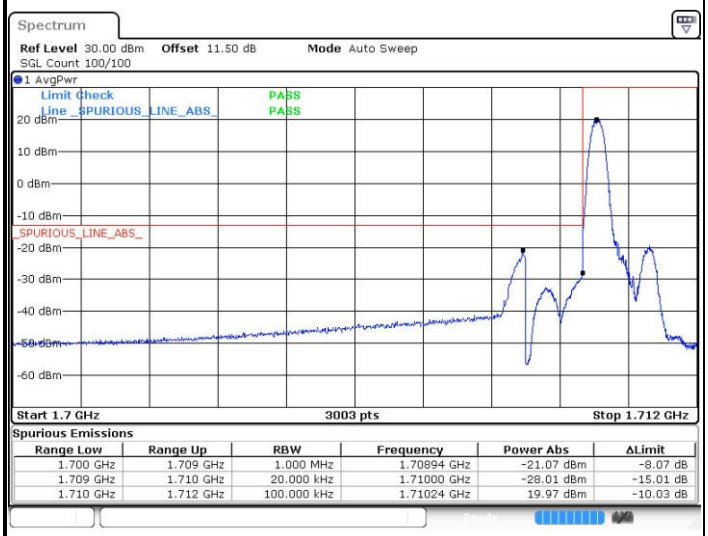
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75427 GHz	12.94 dBm	-17.06 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75501 GHz	-30.56 dBm	-17.56 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-19.28 dBm	-6.28 dB

Date: 14.APR.2016 11:07:13

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

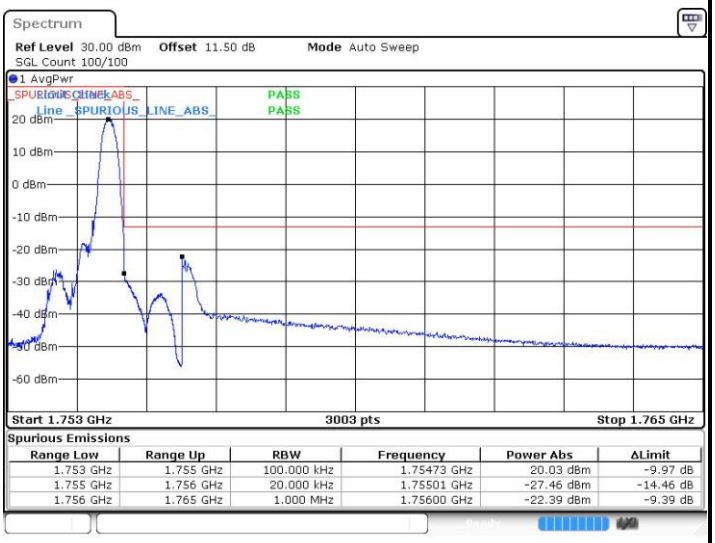


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-21.07 dBm	-8.07 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-28.01 dBm	-15.01 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71024 GHz	19.97 dBm	-10.03 dB

Date: 14.APR.2016 10:56:23

Highest Band Edge / 1 RB

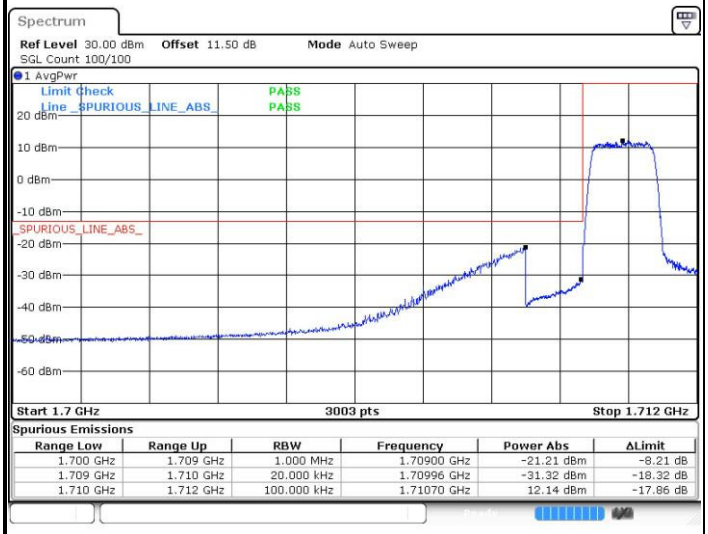


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	20.03 dBm	-9.97 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75501 GHz	-27.46 dBm	-14.46 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-22.39 dBm	-9.39 dB

Date: 14.APR.2016 11:06:04

Lowest Band Edge / Full RB

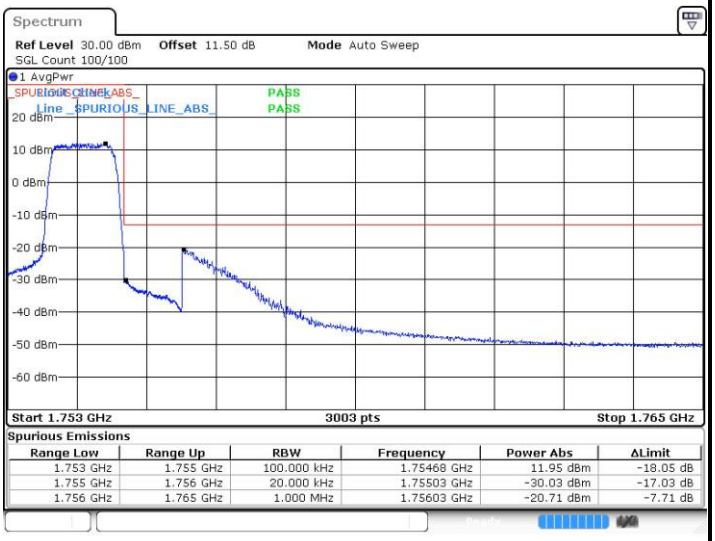


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-21.21 dBm	-8.21 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.70996 GHz	-31.32 dBm	-18.32 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71070 GHz	12.14 dBm	-17.86 dB

Date: 14.APR.2016 10:58:42

Highest Band Edge / Full RB



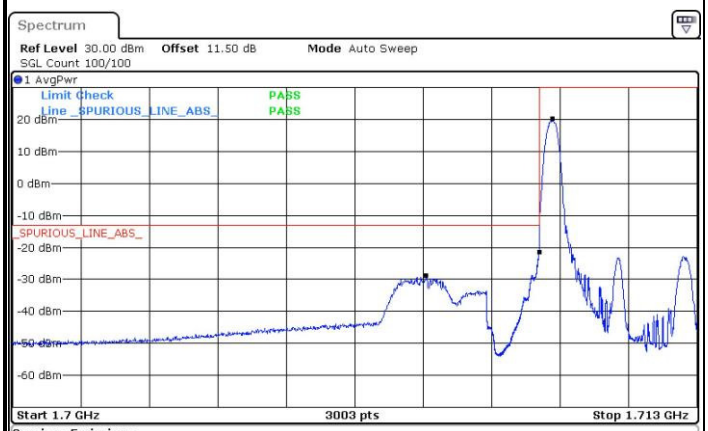
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75468 GHz	11.95 dBm	-18.05 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75503 GHz	-30.03 dBm	-17.03 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-20.71 dBm	-7.71 dB

Date: 14.APR.2016 11:08:23

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

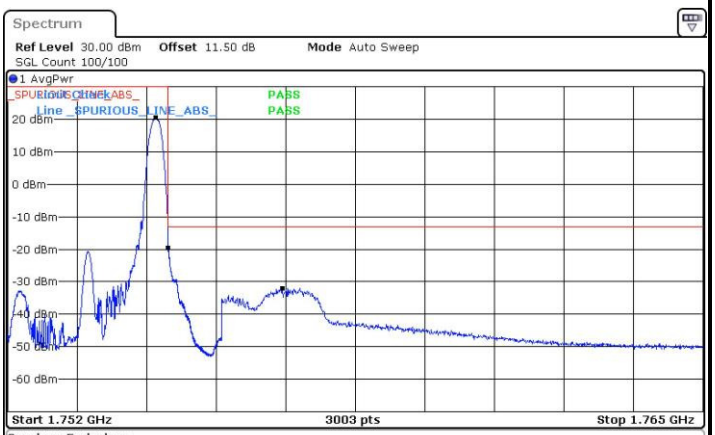


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70785 GHz	-28.70 dBm	-15.70 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-21.50 dBm	-8.50 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71026 GHz	20.28 dBm	-9.72 dB

Date: 14.APR.2016 11:12:04

Highest Band Edge / 1 RB

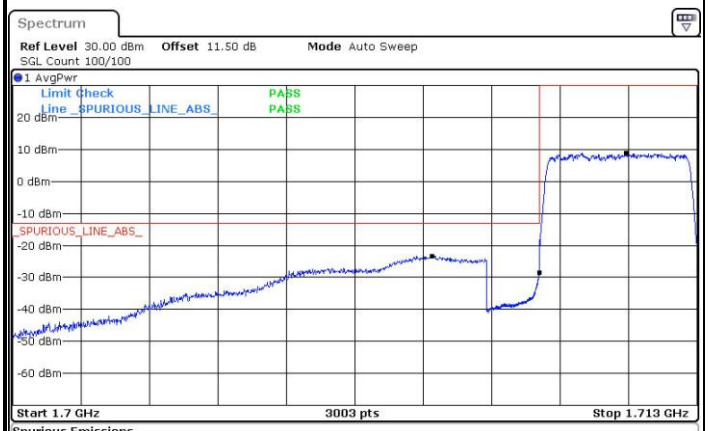


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75477 GHz	20.40 dBm	-9.60 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-19.49 dBm	-6.49 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75713 GHz	-32.02 dBm	-19.02 dB

Date: 14.APR.2016 11:21:44

Lowest Band Edge / Full RB

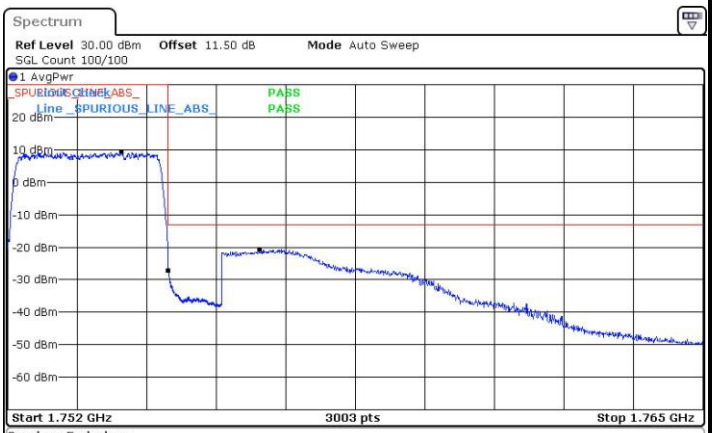


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70797 GHz	-23.27 dBm	-10.27 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-28.56 dBm	-15.56 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71165 GHz	8.93 dBm	-21.07 dB

Date: 14.APR.2016 11:14:23

Highest Band Edge / Full RB



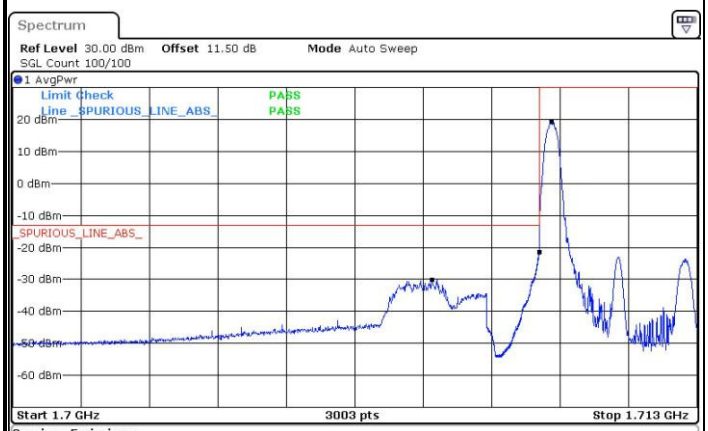
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75413 GHz	9.44 dBm	-20.56 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-27.27 dBm	-14.27 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75671 GHz	-20.60 dBm	-7.60 dB

Date: 14.APR.2016 11:24:03

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

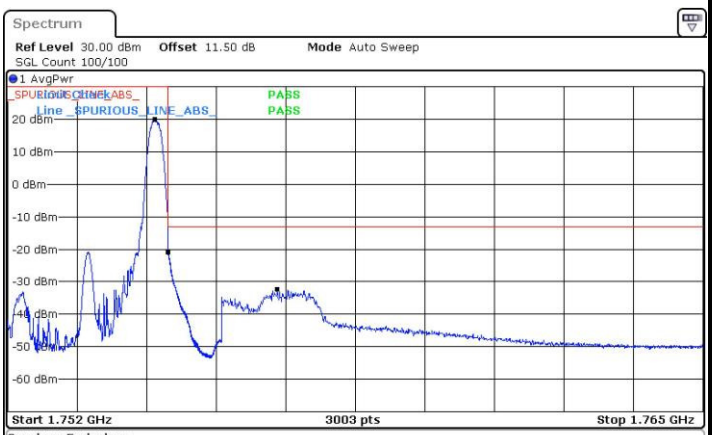


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70796 GHz	-30.16 dBm	-17.16 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-21.51 dBm	-8.51 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71023 GHz	19.33 dBm	-10.67 dB

Date: 14.APR.2016 11:13:13

Highest Band Edge /1 RB

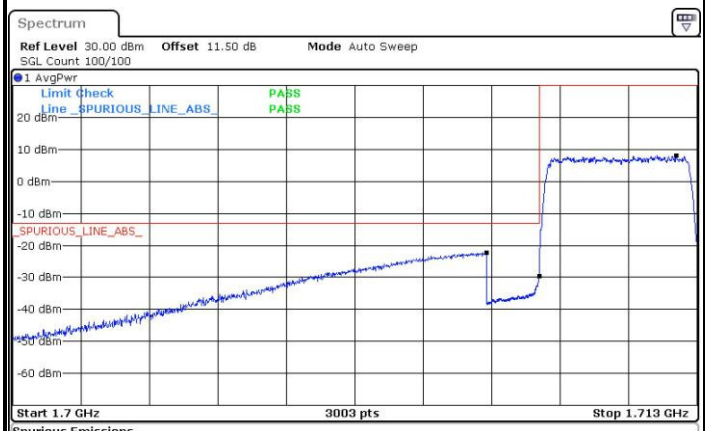


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75474 GHz	19.90 dBm	-10.10 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-21.02 dBm	-8.02 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75704 GHz	-32.38 dBm	-19.38 dB

Date: 14.APR.2016 11:22:54

Lowest Band Edge / Full RB

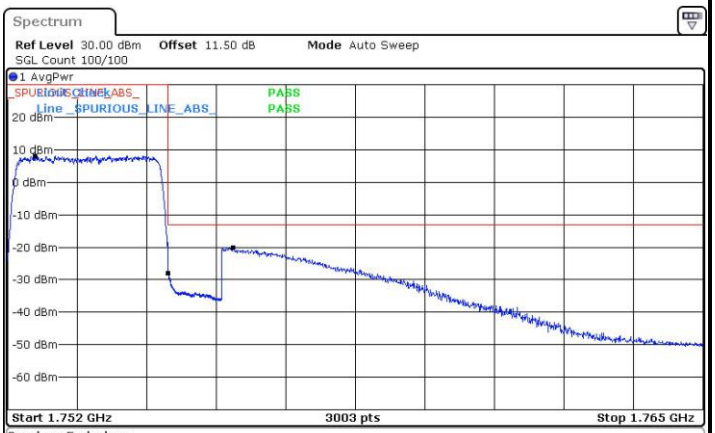


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-22.24 dBm	-9.24 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-29.72 dBm	-16.72 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71260 GHz	8.12 dBm	-21.88 dB

Date: 14.APR.2016 11:15:32

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75252 GHz	8.12 dBm	-21.88 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-27.88 dBm	-14.88 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75621 GHz	-20.07 dBm	-7.07 dB

Date: 14.APR.2016 11:25:12