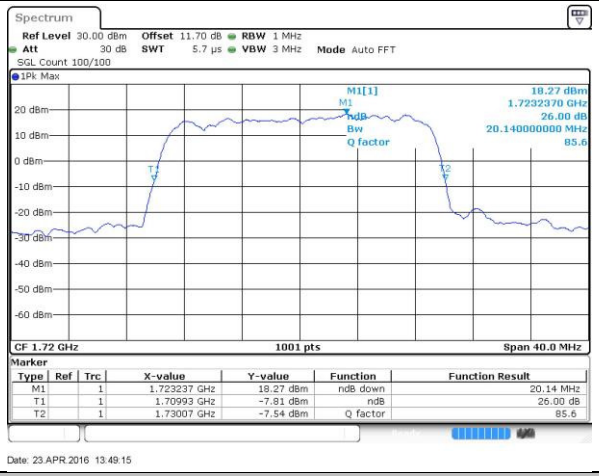
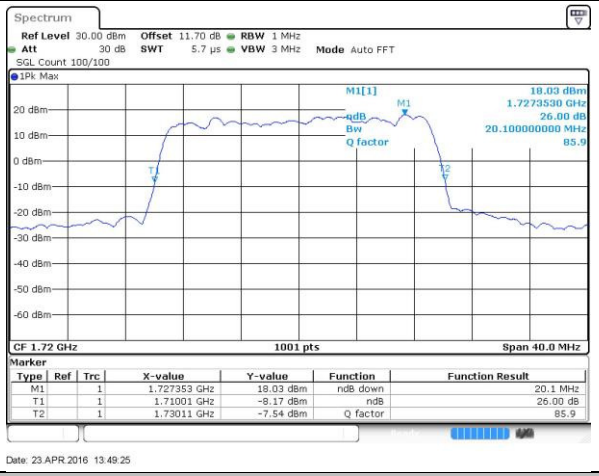
LTE Band 4

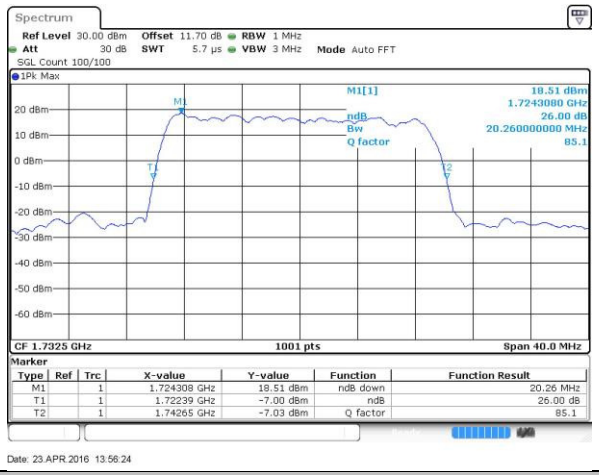
Lowest Channel / 20MHz / QPSK



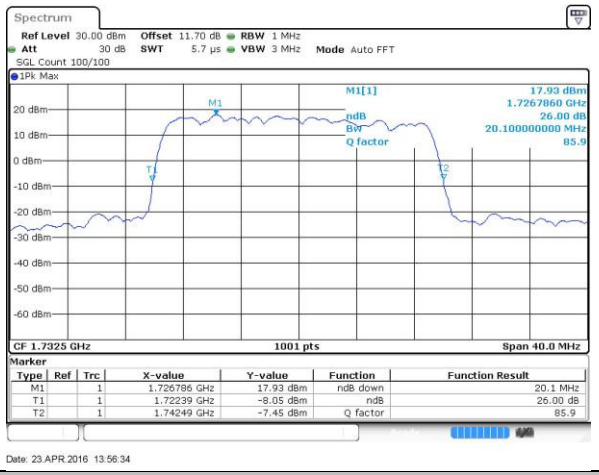
Lowest Channel / 20MHz / 16QAM



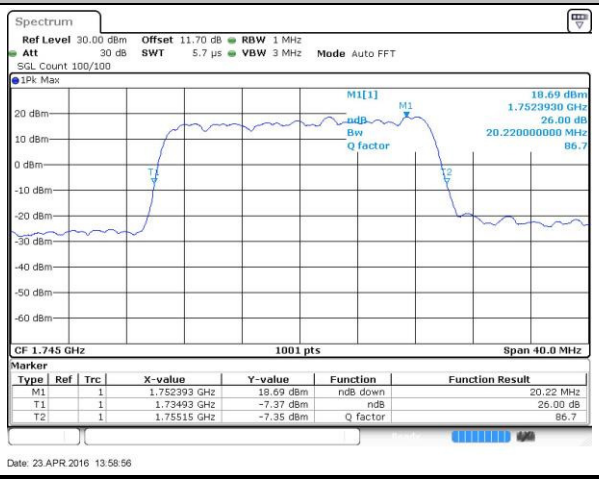
Middle Channel / 20MHz / QPSK



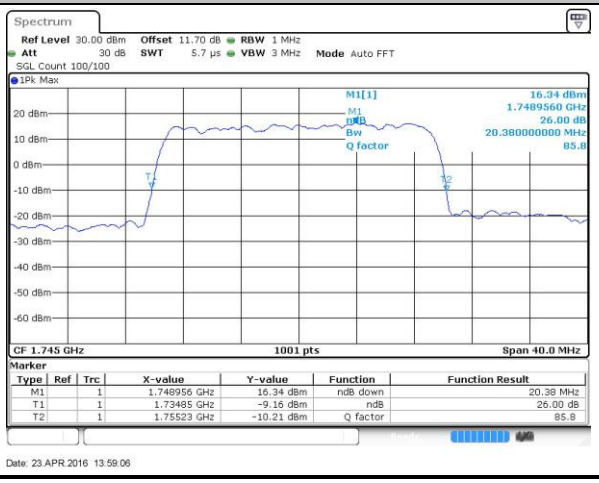
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

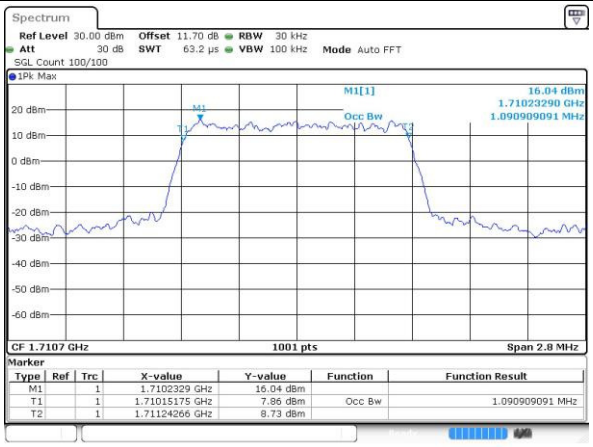


Occupied Bandwidth

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	2.72	2.73	4.49	4.5	9.01	9.03	13.4	13.49	18.22	18.3
Middle CH	1.09	1.09	2.71	2.72	4.49	4.49	9.01	9.01	13.49	13.43	18.3	18.46
Highest CH	1.09	1.1	2.75	2.72	4.48	4.5	8.97	9.05	13.43	13.43	18.34	18.46

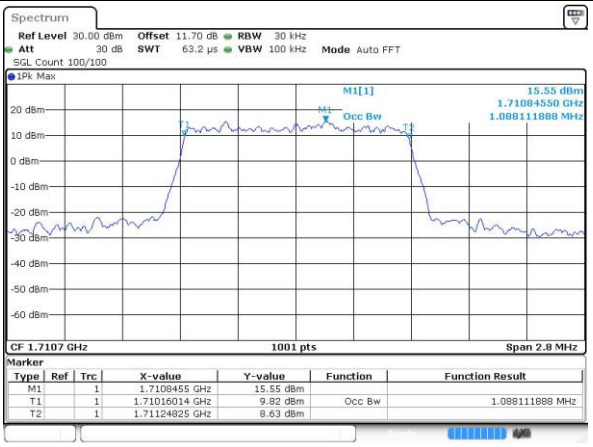
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



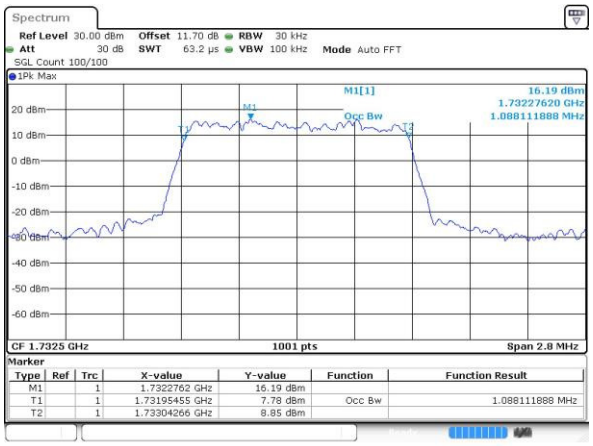
Date: 23.APR.2016 14:11:21

Lowest Channel / 1.4MHz / 16QAM



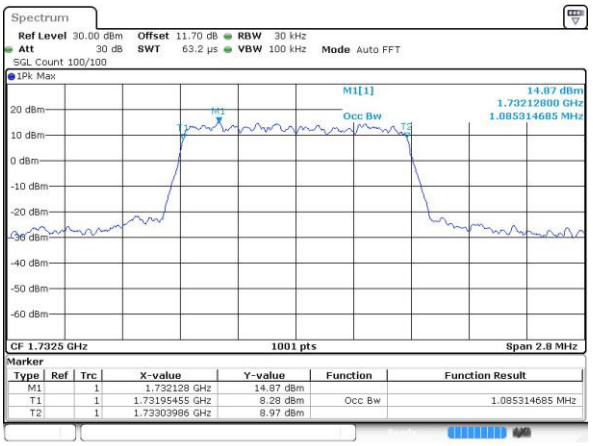
Date: 23.APR.2016 14:11:50

Middle Channel / 1.4MHz / QPSK



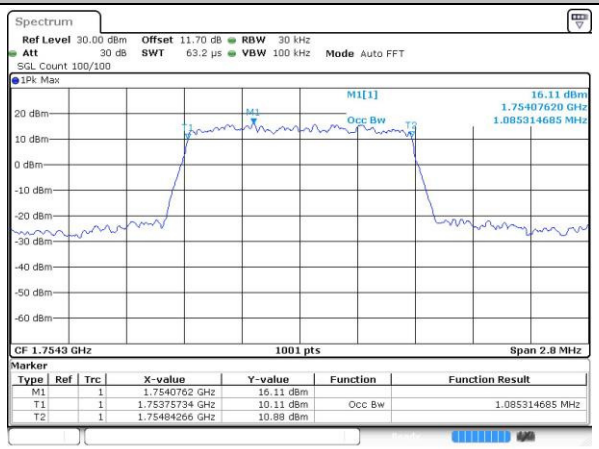
Date: 23.APR.2016 14:18:48

Middle Channel / 1.4MHz / 16QAM



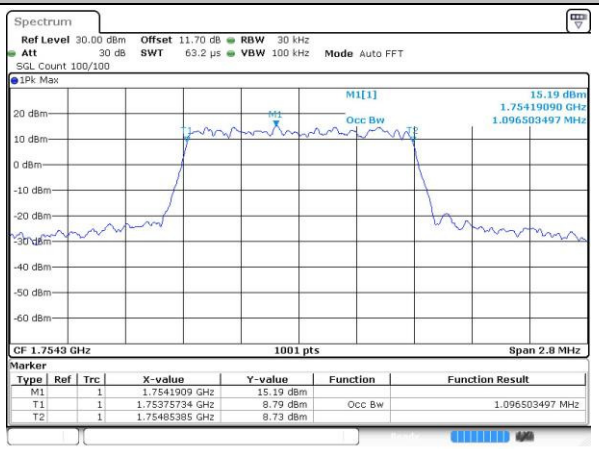
Date: 23.APR.2016 14:18:59

Highest Channel / 1.4MHz / QPSK



Date: 23.APR.2016 14:21:20

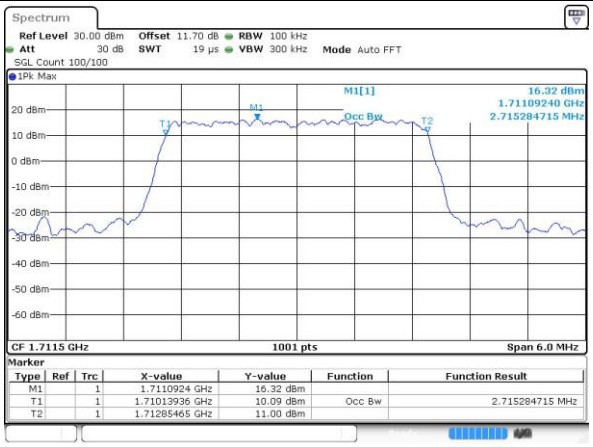
Highest Channel / 1.4MHz / 16QAM



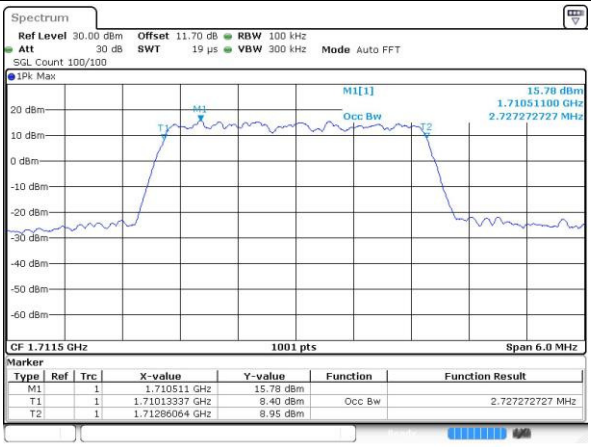
Date: 23.APR.2016 14:21:30

LTE Band 4

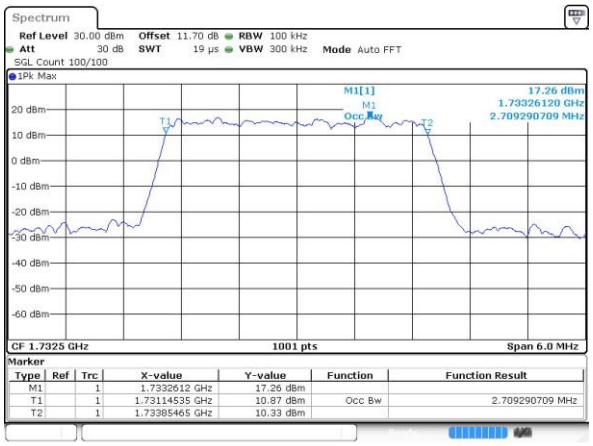
Lowest Channel / 3MHz / QPSK



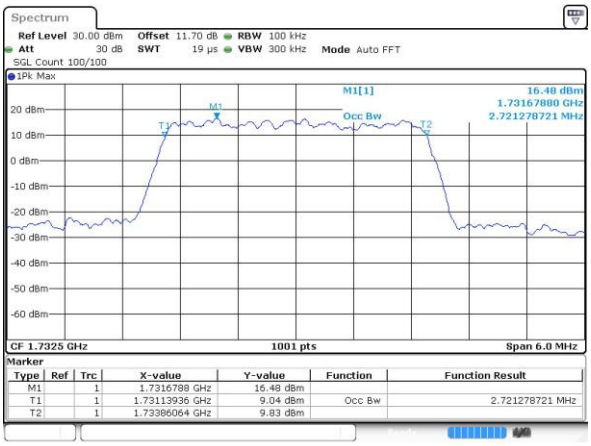
Lowest Channel / 3MHz / 16QAM



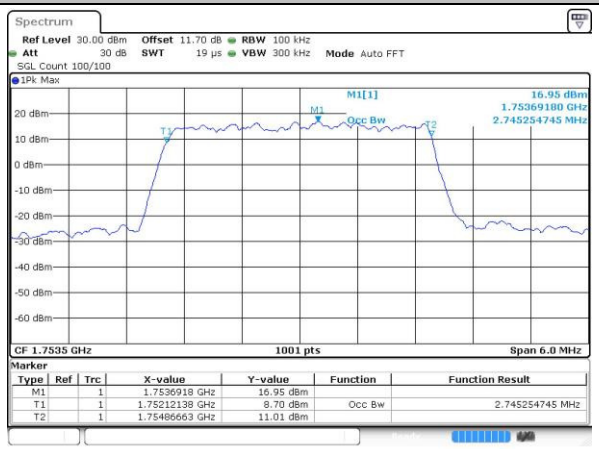
Middle Channel / 3MHz / QPSK



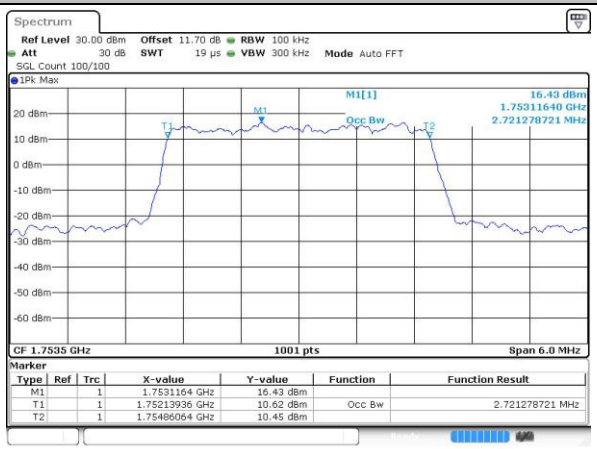
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

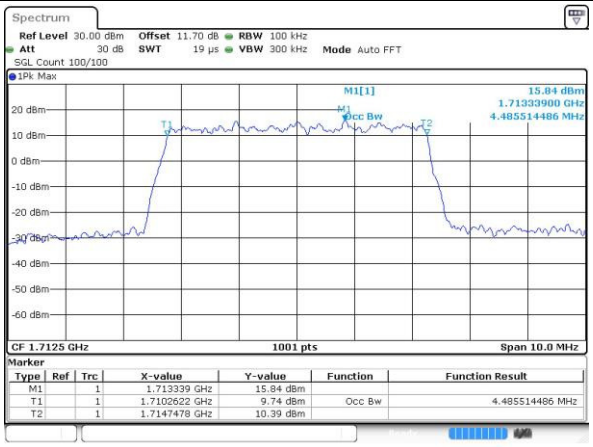


Highest Channel / 3MHz / 16QAM

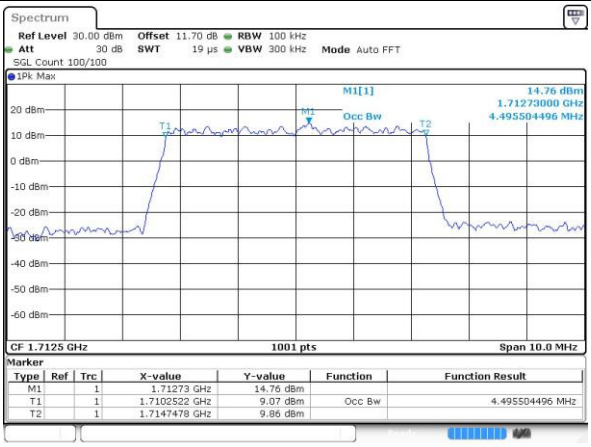


LTE Band 4

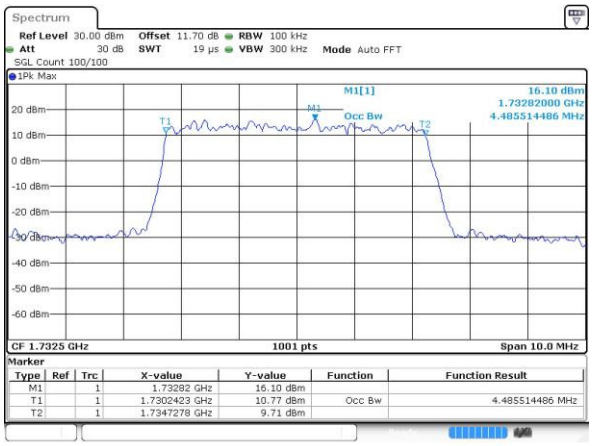
Lowest Channel / 5MHz / QPSK



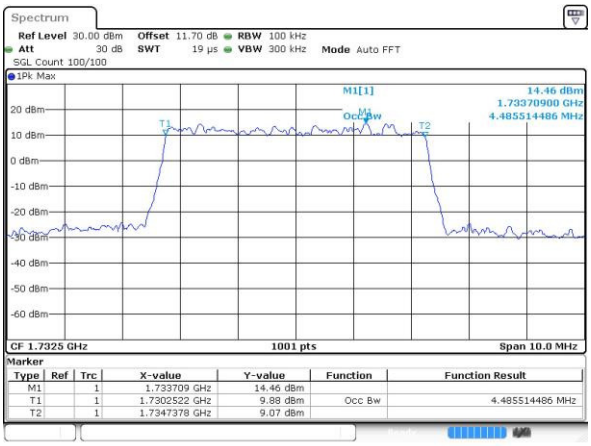
Lowest Channel / 5MHz / 16QAM



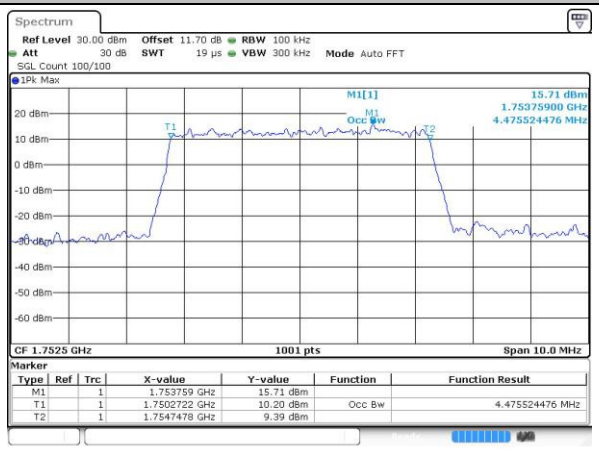
Middle Channel / 5MHz / QPSK



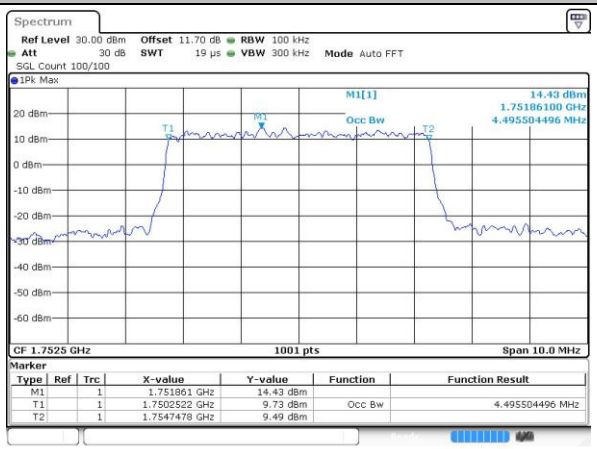
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

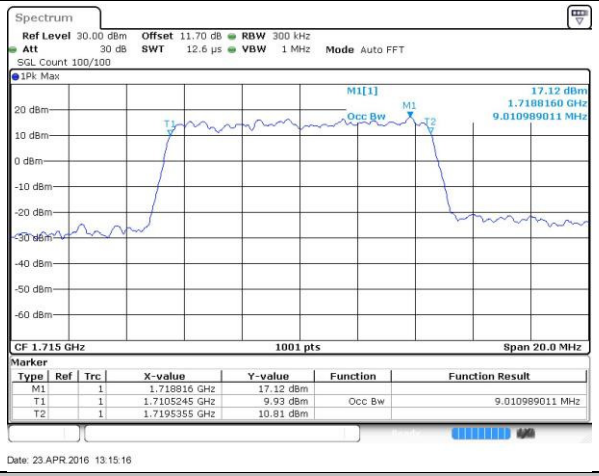


Highest Channel / 5MHz / 16QAM

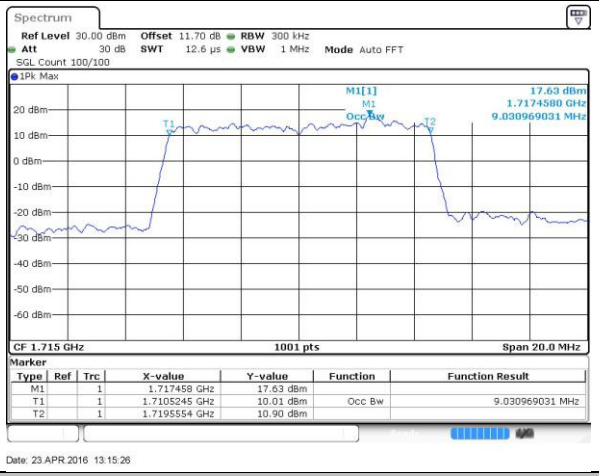


LTE Band 4

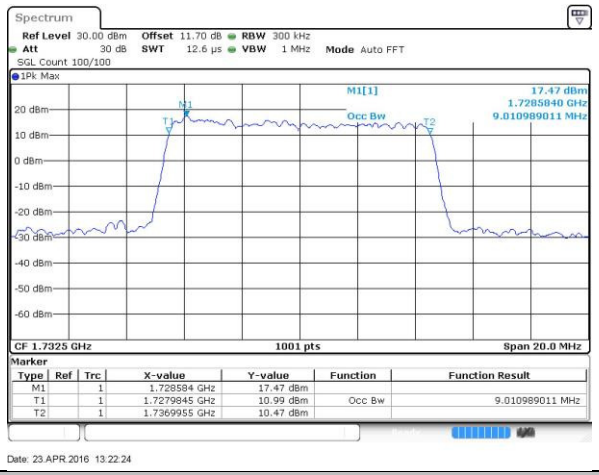
Lowest Channel / 10MHz / QPSK



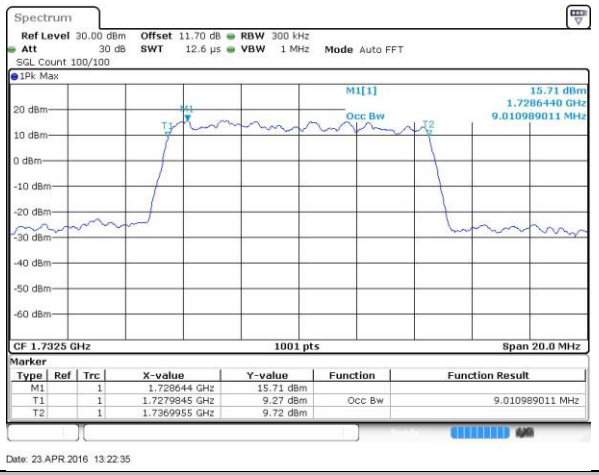
Lowest Channel / 10MHz / 16QAM



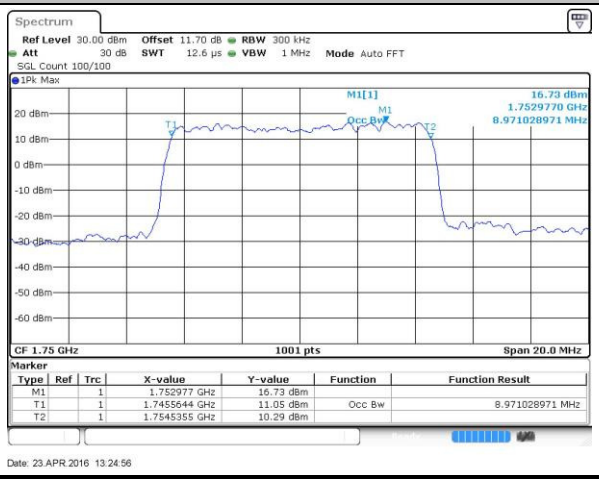
Middle Channel / 10MHz / QPSK



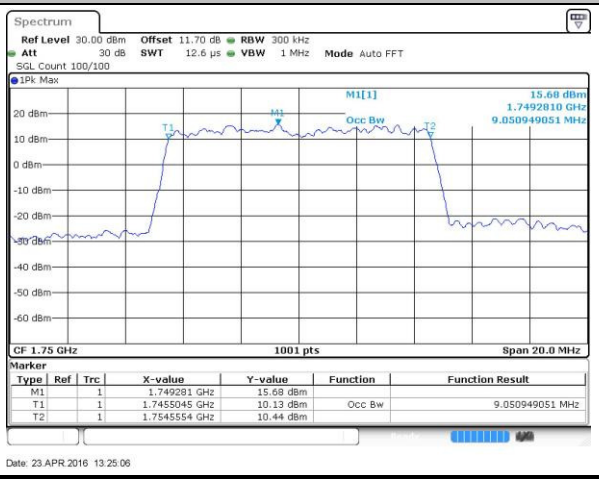
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

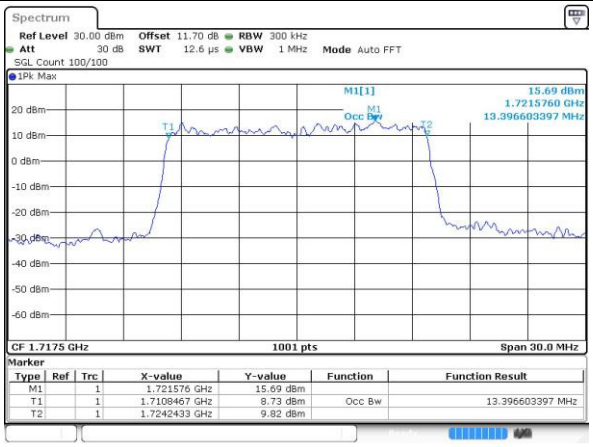


Highest Channel / 10MHz / 16QAM



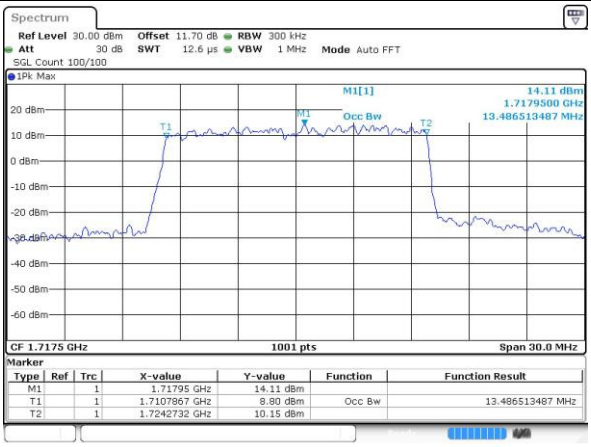
LTE Band 4

Lowest Channel / 15MHz / QPSK



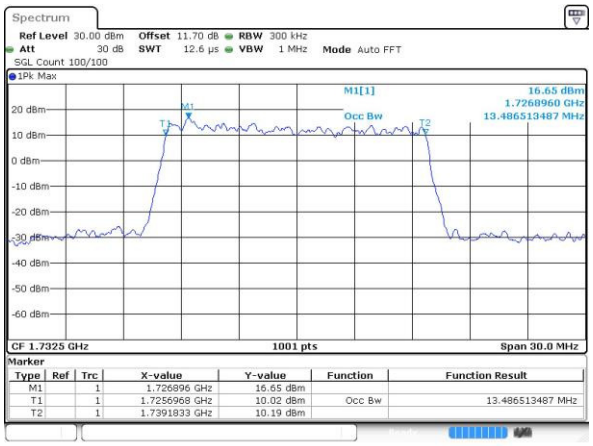
Date: 23.APR.2016 13:32:04

Lowest Channel / 15MHz / 16QAM



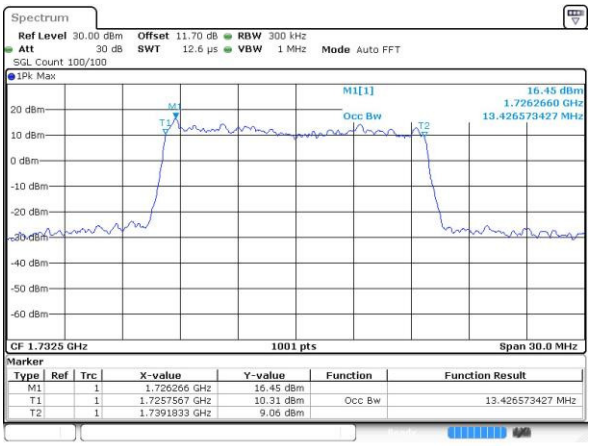
Date: 23.APR.2016 13:32:15

Middle Channel / 15MHz / QPSK



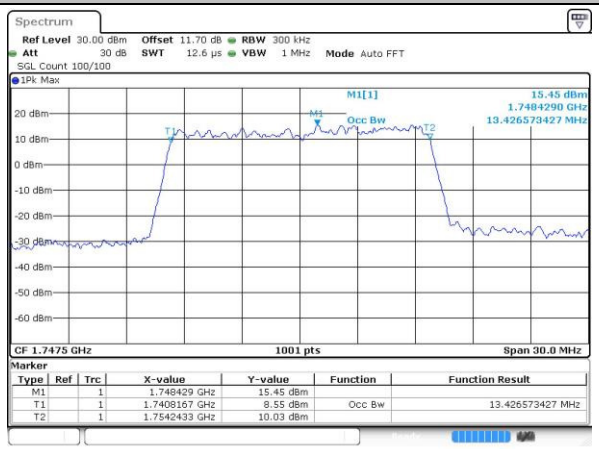
Date: 23.APR.2016 13:39:13

Middle Channel / 15MHz / 16QAM



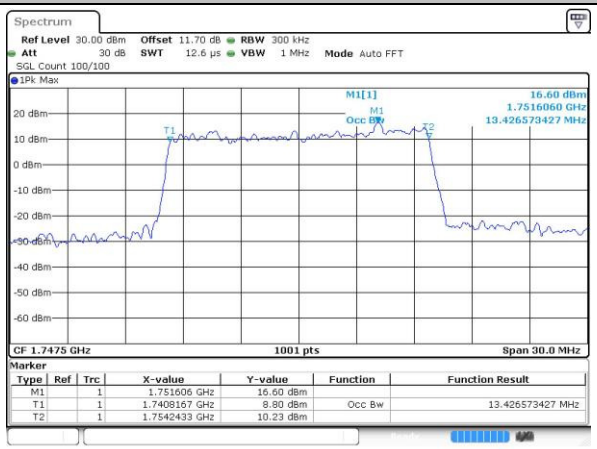
Date: 23.APR.2016 13:39:24

Highest Channel / 15MHz / QPSK



Date: 23.APR.2016 13:41:45

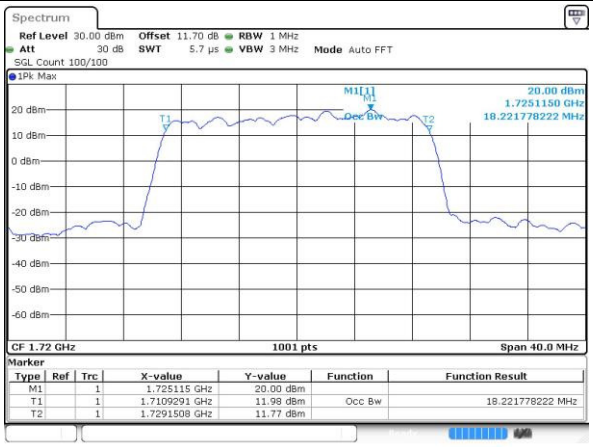
Highest Channel / 15MHz / 16QAM



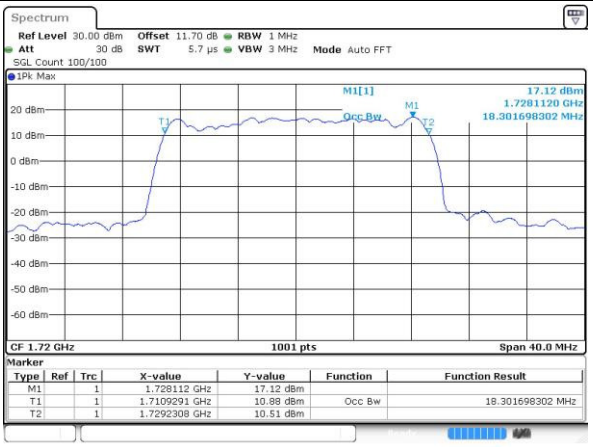
Date: 23.APR.2016 13:41:55

LTE Band 4

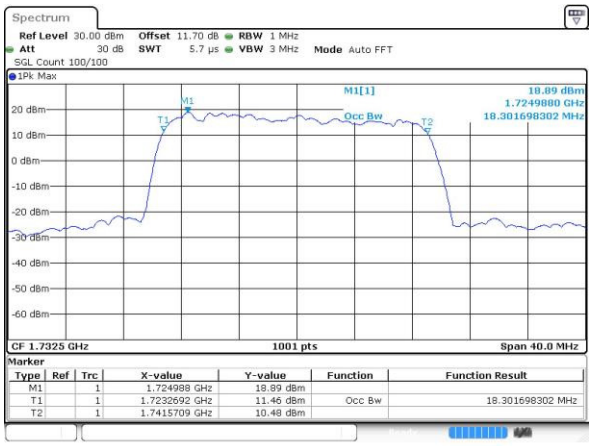
Lowest Channel / 20MHz / QPSK



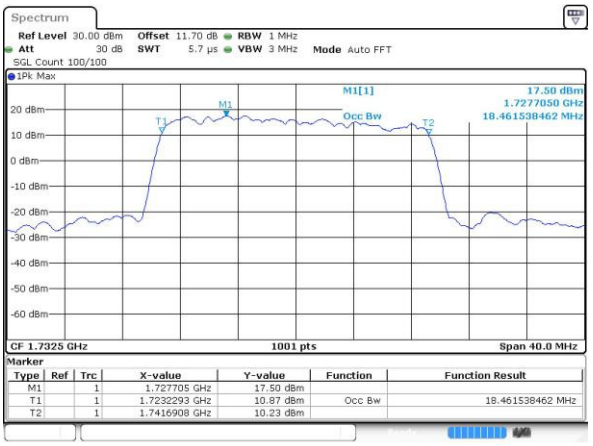
Lowest Channel / 20MHz / 16QAM



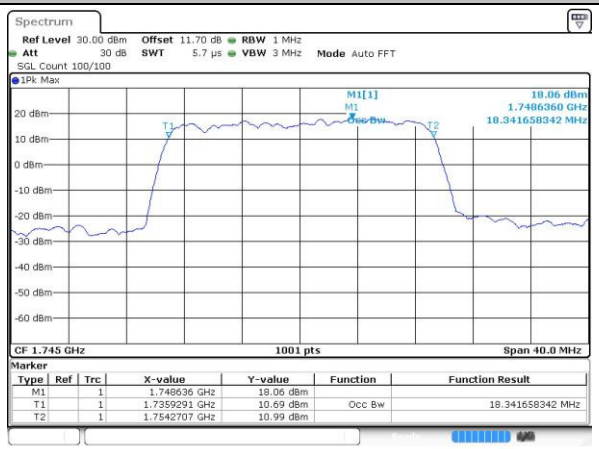
Middle Channel / 20MHz / QPSK



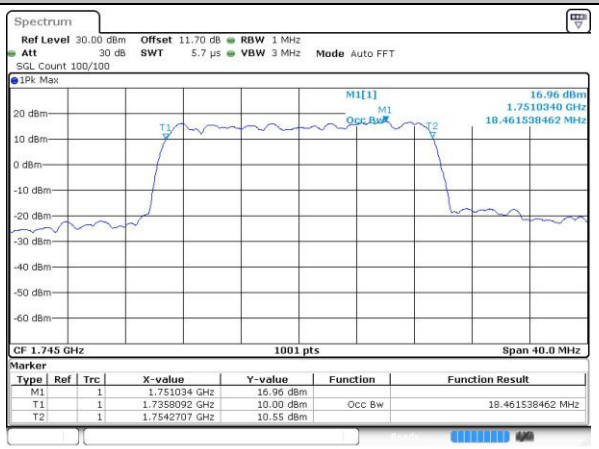
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



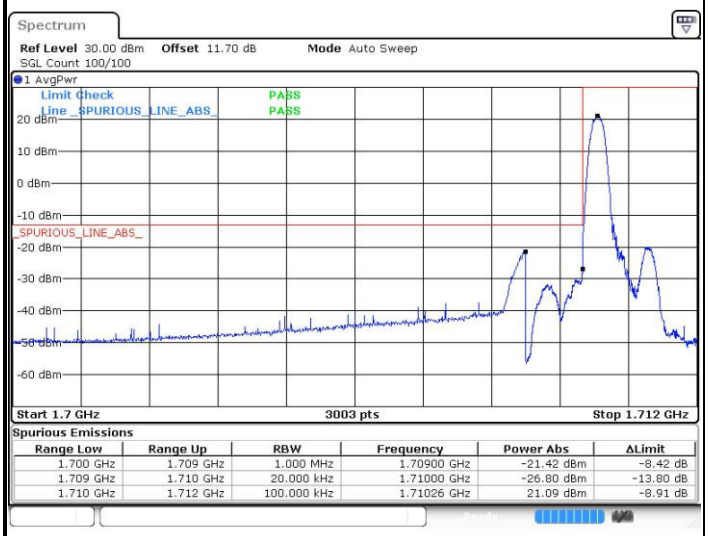
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

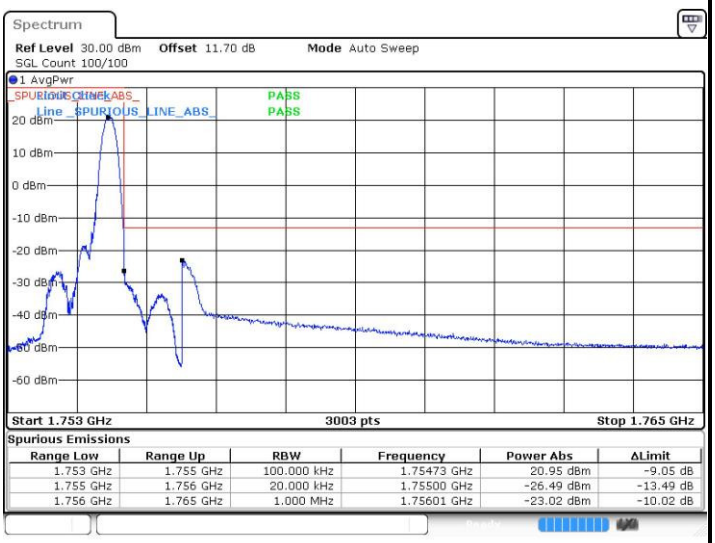


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-21.42 dBm	-8.42 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-26.80 dBm	-13.80 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71026 GHz	21.09 dBm	-8.91 dB

Date: 23.APR.2016 14:13:20

Highest Band Edge / 1RB

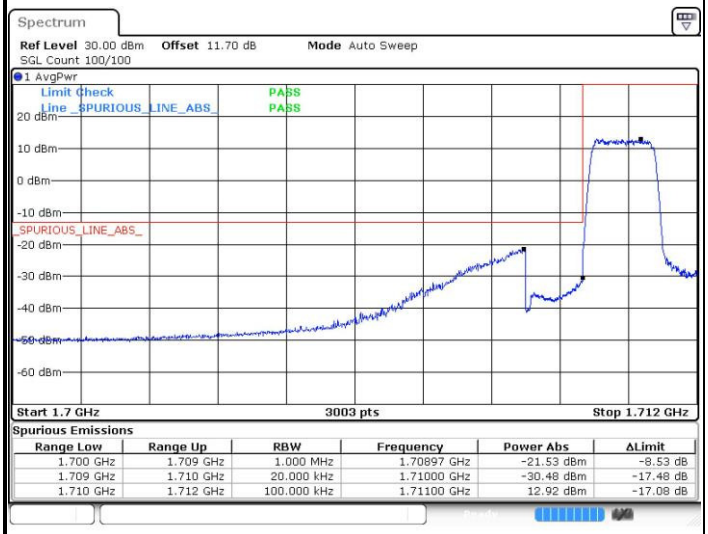


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	20.95 dBm	-9.05 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-26.49 dBm	-13.49 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-23.02 dBm	-10.02 dB

Date: 23.APR.2016 14:23:00

Lowest Band Edge / Full RB

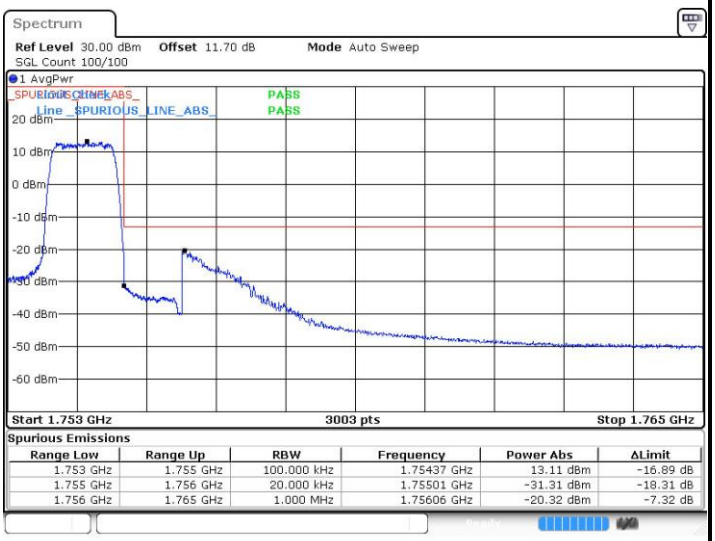


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-21.53 dBm	-8.53 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-30.48 dBm	-17.48 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71100 GHz	12.92 dBm	-17.08 dB

Date: 23.APR.2016 14:15:39

Highest Band Edge / Full RB



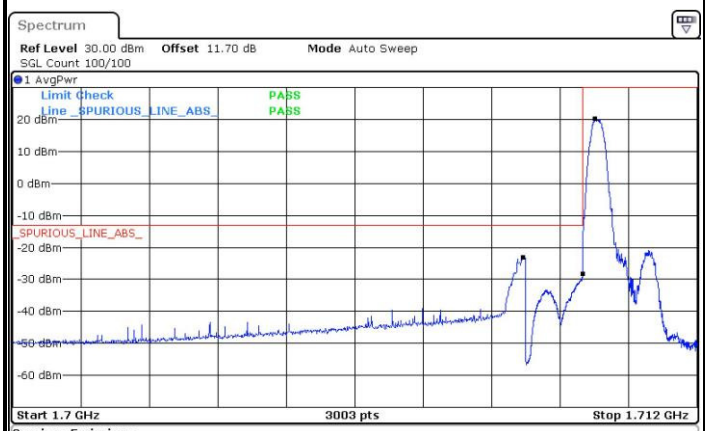
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75437 GHz	13.11 dBm	-16.89 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75501 GHz	-31.31 dBm	-18.31 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75606 GHz	-20.32 dBm	-7.32 dB

Date: 23.APR.2016 14:25:19

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

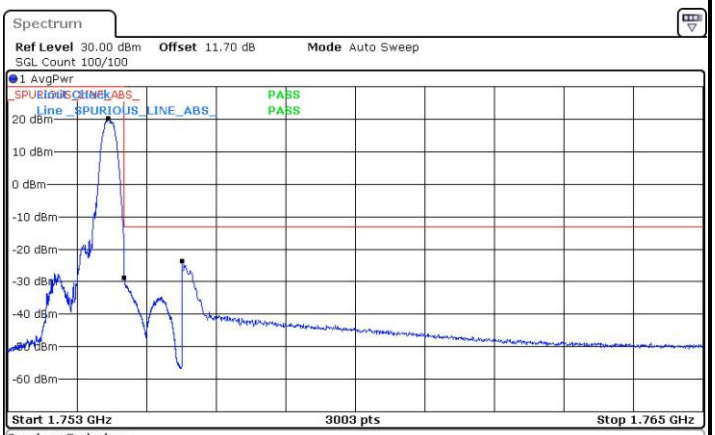


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-23.05 dBm	-10.05 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-28.39 dBm	-15.39 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71021 GHz	20.12 dBm	-9.88 dB

Date: 23.APR.2016 14:14:29

Highest Band Edge / 1 RB

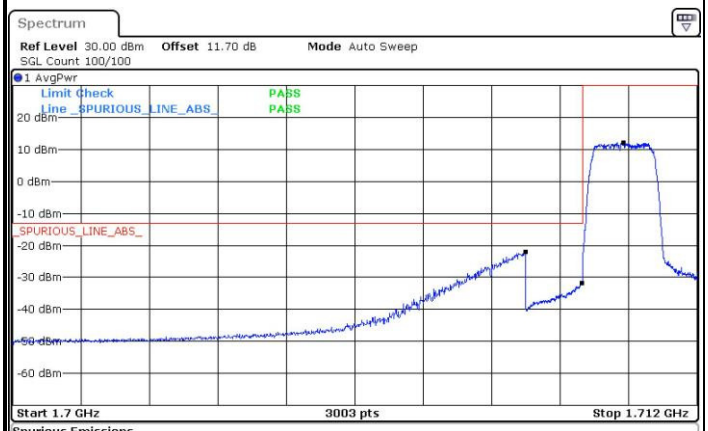


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	20.33 dBm	-9.67 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75501 GHz	-28.84 dBm	-15.84 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-23.55 dBm	-10.55 dB

Date: 23.APR.2016 14:24:10

Lowest Band Edge / Full RB

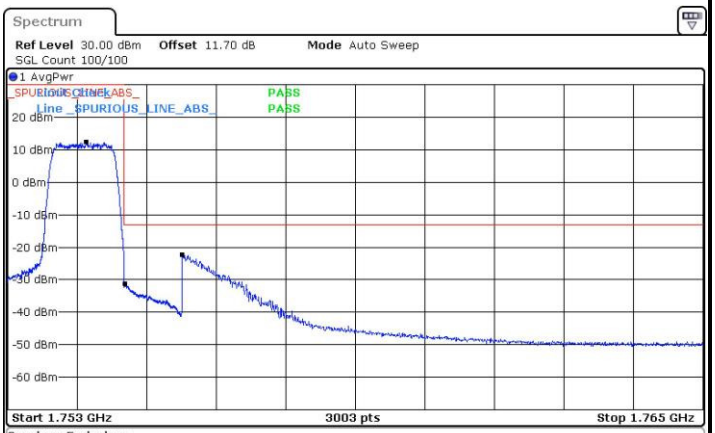


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-22.16 dBm	-9.16 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.70998 GHz	-31.69 dBm	-18.69 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71070 GHz	12.18 dBm	-17.82 dB

Date: 23.APR.2016 14:16:48

Highest Band Edge / Full RB



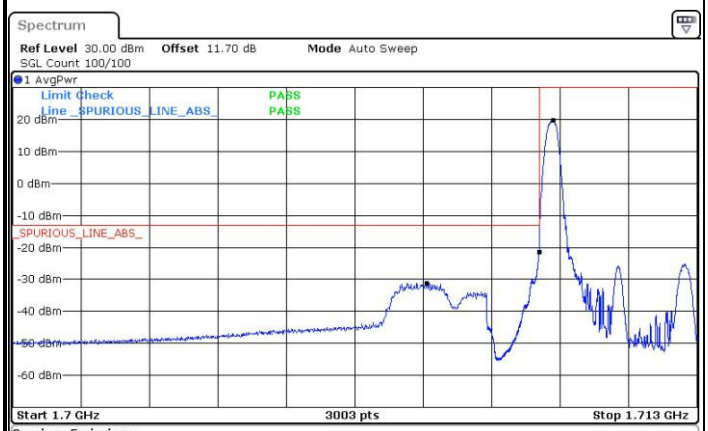
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75436 GHz	12.37 dBm	-17.63 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75503 GHz	-31.31 dBm	-18.31 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-22.31 dBm	-9.31 dB

Date: 23.APR.2016 14:26:28

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

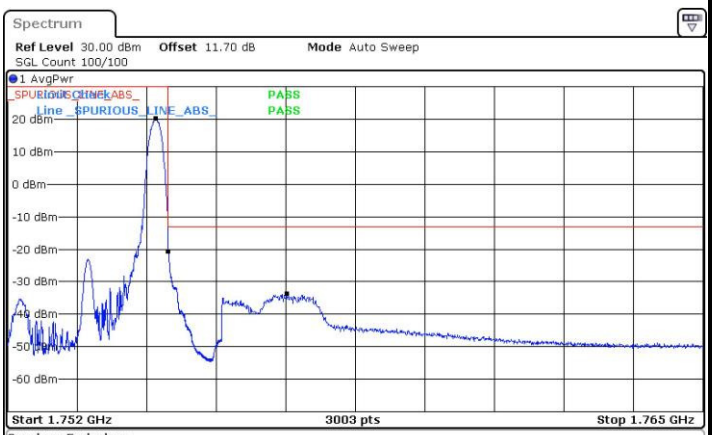


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70787 GHz	-31.15 dBm	-18.15 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-21.58 dBm	-8.58 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71026 GHz	19.79 dBm	-10.21 dB

Date: 23.APR.2016 12:37:40

Highest Band Edge / 1 RB

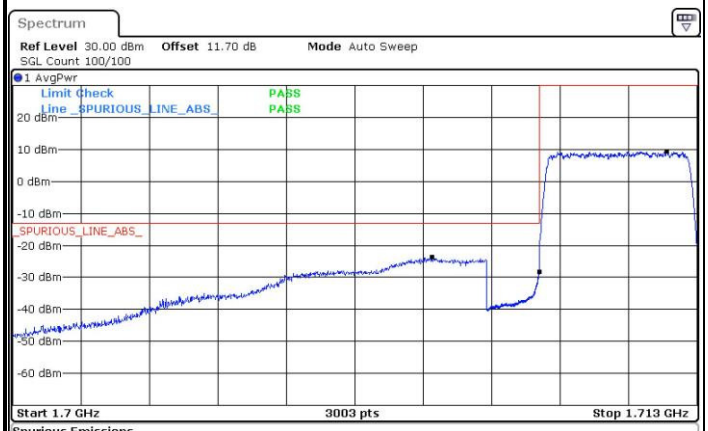


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75477 GHz	20.26 dBm	-9.74 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-20.66 dBm	-7.66 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75721 GHz	-33.70 dBm	-20.70 dB

Date: 23.APR.2016 12:52:58

Lowest Band Edge / Full RB

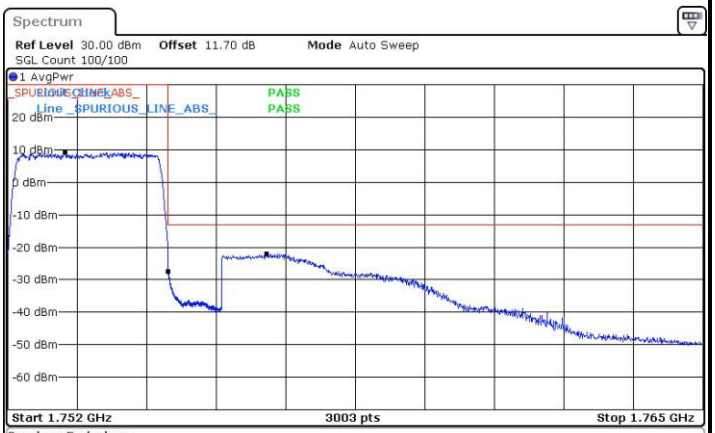


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70797 GHz	-23.74 dBm	-10.74 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-28.38 dBm	-15.38 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71242 GHz	9.47 dBm	-20.53 dB

Date: 23.APR.2016 12:39:59

Highest Band Edge / Full RB



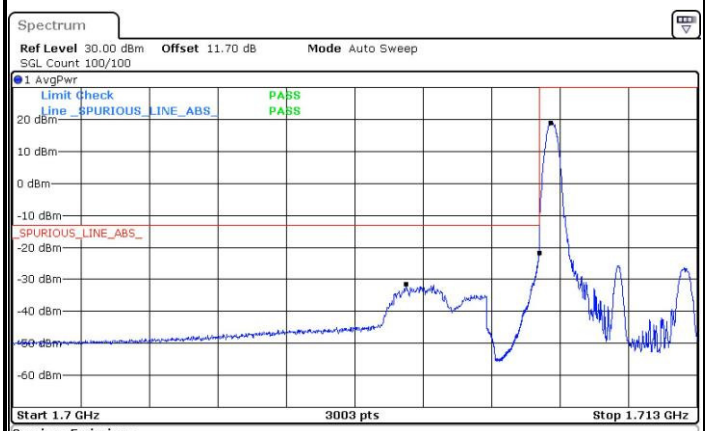
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75307 GHz	9.25 dBm	-20.75 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-27.36 dBm	-14.36 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75683 GHz	-22.09 dBm	-9.09 dB

Date: 23.APR.2016 12:55:17

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

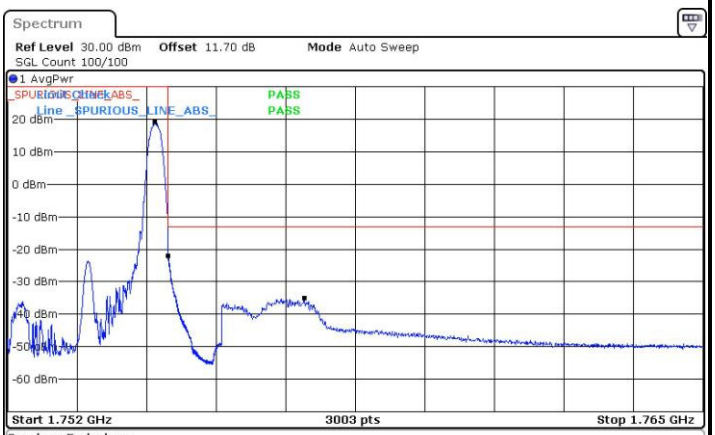


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70748 GHz	-31.50 dBm	-18.50 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-21.73 dBm	-8.73 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71021 GHz	18.91 dBm	-11.09 dB

Date: 23.APR.2016 12:38:49

Highest Band Edge /1 RB

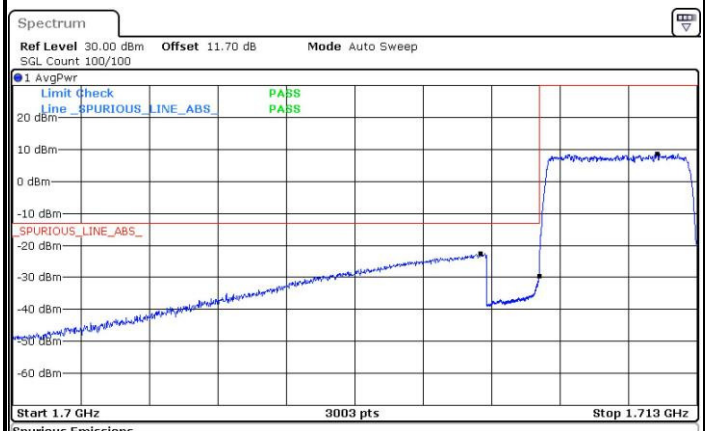


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75476 GHz	19.21 dBm	-10.79 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-22.05 dBm	-9.05 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75754 GHz	-35.11 dBm	-22.11 dB

Date: 23.APR.2016 12:54:07

Lowest Band Edge / Full RB

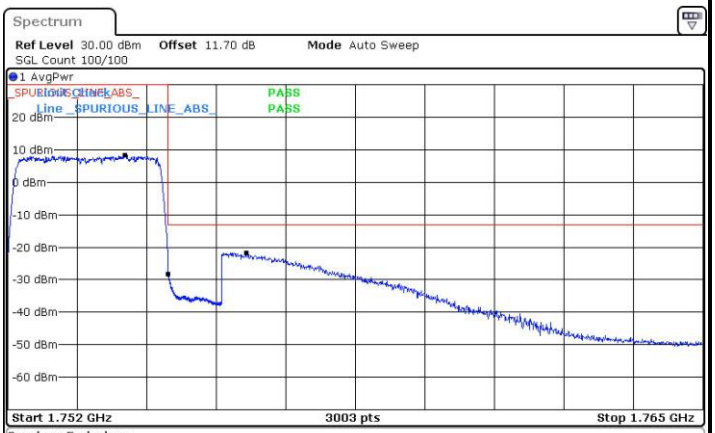


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70888 GHz	-22.65 dBm	-9.65 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-29.60 dBm	-16.60 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71225 GHz	8.67 dBm	-21.33 dB

Date: 23.APR.2016 12:41:08

Highest Band Edge / Full RB



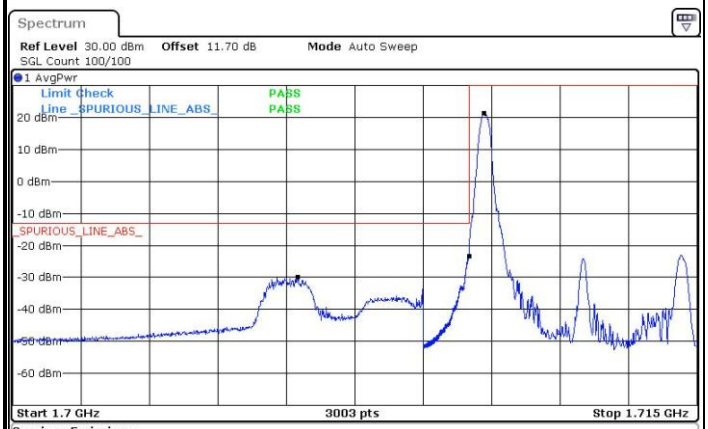
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75419 GHz	8.27 dBm	-21.73 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-28.17 dBm	-15.17 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75645 GHz	-21.76 dBm	-8.76 dB

Date: 23.APR.2016 12:56:26

LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB

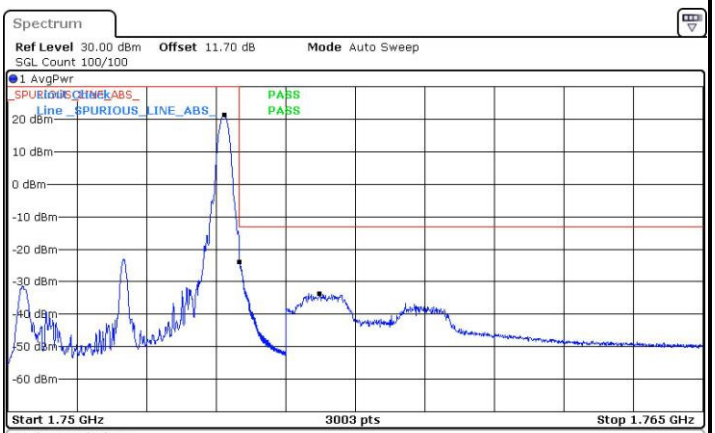


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70625 GHz	-29.88 dBm	-16.88 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-23.40 dBm	-10.40 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71033 GHz	21.28 dBm	-8.72 dB

Date: 23.APR.2016 13:00:07

Highest Band Edge / 1 RB

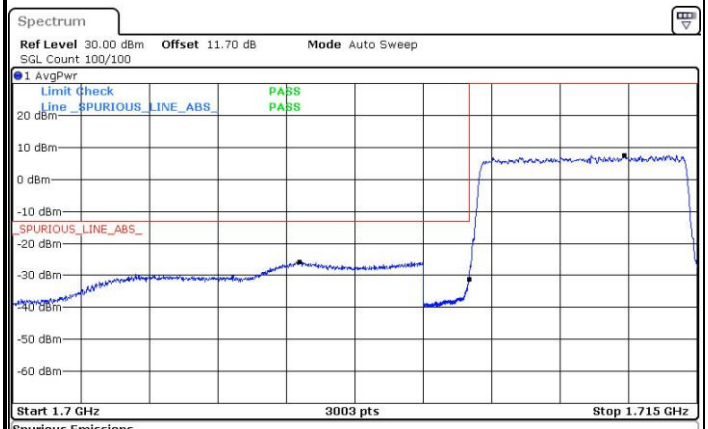


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75467 GHz	21.25 dBm	-8.75 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-23.87 dBm	-10.87 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75672 GHz	-33.67 dBm	-20.67 dB

Date: 23.APR.2016 13:09:47

Lowest Band Edge / Full RB

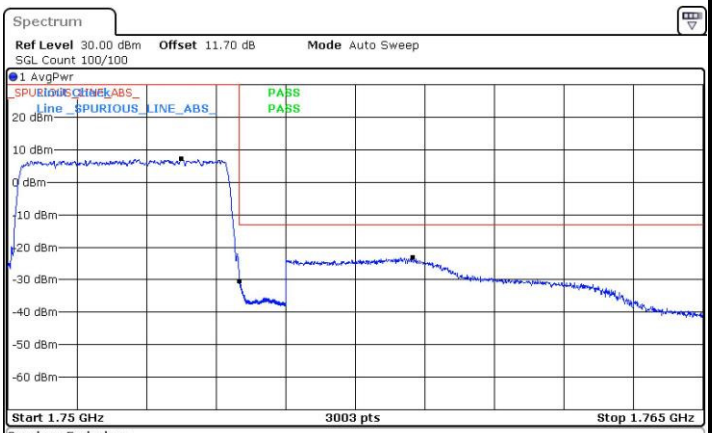


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70629 GHz	-25.84 dBm	-12.84 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-31.36 dBm	-18.36 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71340 GHz	7.56 dBm	-22.44 dB

Date: 23.APR.2016 13:02:25

Highest Band Edge / Full RB



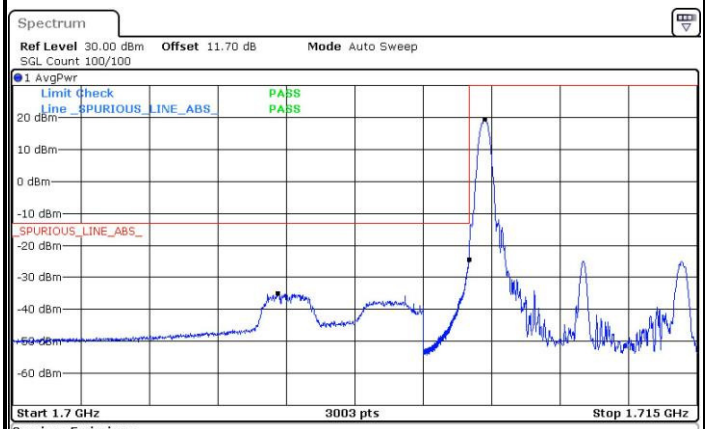
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75373 GHz	7.24 dBm	-22.76 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-30.47 dBm	-17.47 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75874 GHz	-23.20 dBm	-10.20 dB

Date: 23.APR.2016 13:12:06

LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB

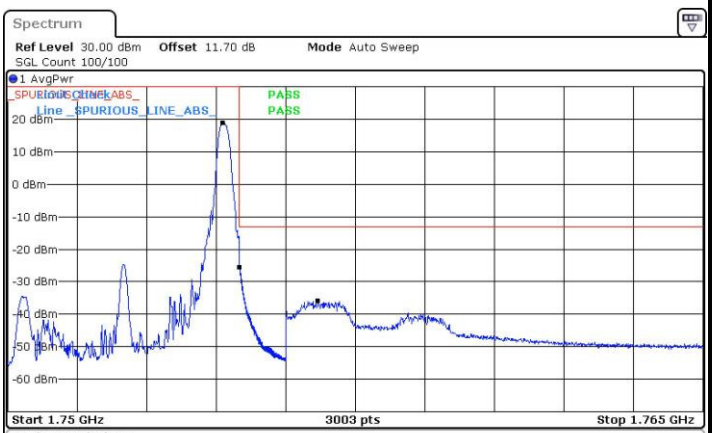


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70580 GHz	-34.98 dBm	-21.98 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-24.61 dBm	-11.61 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71035 GHz	19.33 dBm	-10.67 dB

Date: 23.APR.2016 13:01:16

Highest Band Edge / 1 RB

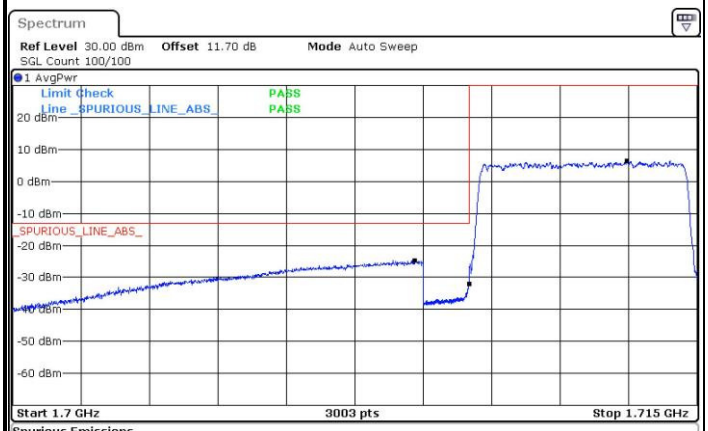


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75463 GHz	18.91 dBm	-11.09 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-25.46 dBm	-12.46 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75669 GHz	-35.79 dBm	-22.79 dB

Date: 23.APR.2016 13:10:56

Lowest Band Edge / Full RB

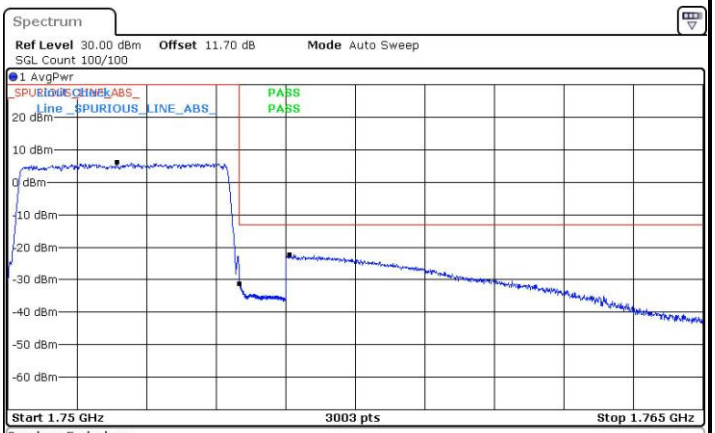


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70881 GHz	-24.77 dBm	-11.77 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-32.06 dBm	-19.06 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71346 GHz	6.38 dBm	-23.62 dB

Date: 23.APR.2016 13:03:35

Highest Band Edge / Full RB



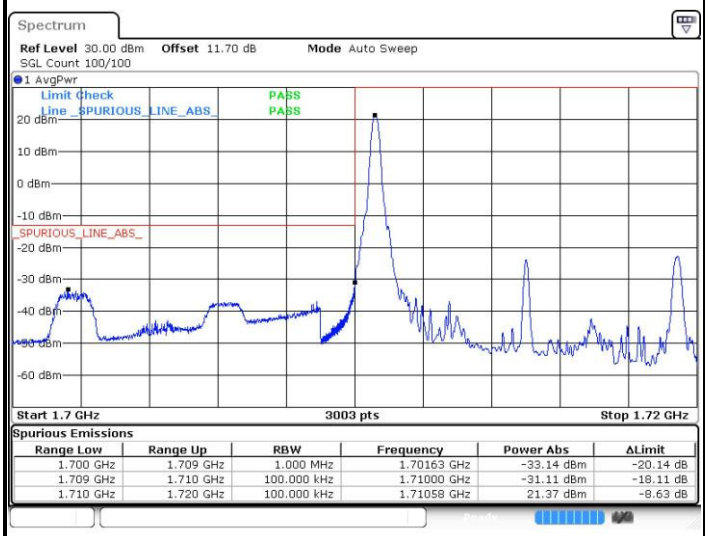
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75236 GHz	6.06 dBm	-23.94 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-31.28 dBm	-18.28 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75609 GHz	-22.19 dBm	-9.19 dB

Date: 23.APR.2016 13:13:15

LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB

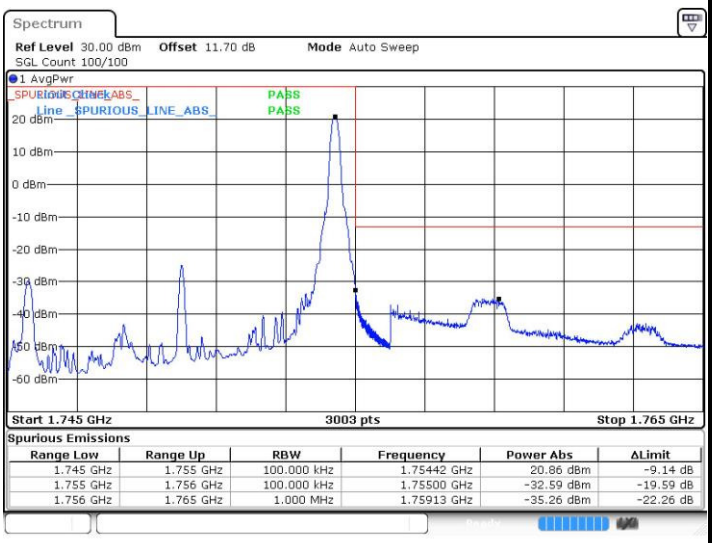


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70163 GHz	-33.14 dBm	-20.14 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-31.11 dBm	-18.11 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71058 GHz	21.37 dBm	-8.63 dB

Date: 23.APR.2016 13:16:56

Highest Band Edge / 1 RB

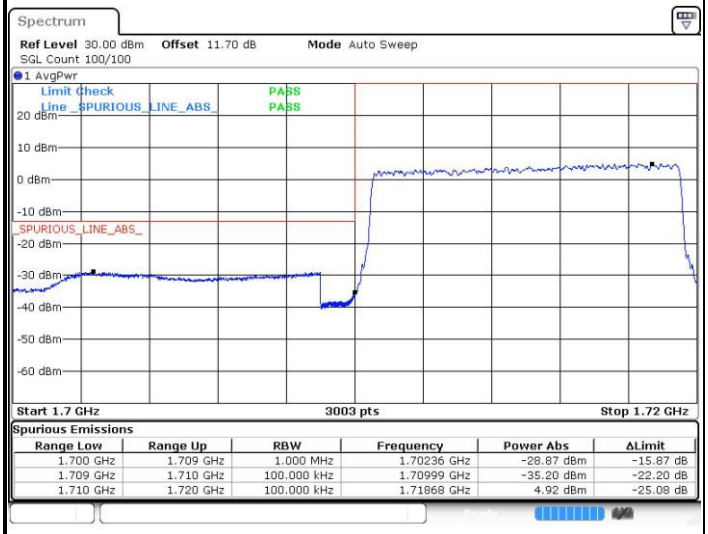


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75442 GHz	20.86 dBm	-9.14 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-32.59 dBm	-19.59 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75913 GHz	-35.26 dBm	-22.26 dB

Date: 23.APR.2016 13:26:36

Lowest Band Edge / Full RB

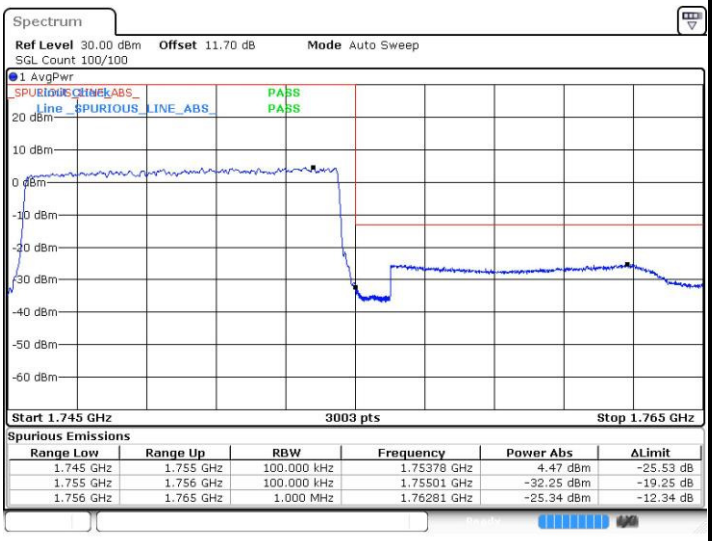


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70236 GHz	-28.87 dBm	-15.87 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70999 GHz	-35.20 dBm	-22.20 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71868 GHz	4.92 dBm	-25.08 dB

Date: 23.APR.2016 13:19:15

Highest Band Edge / Full RB



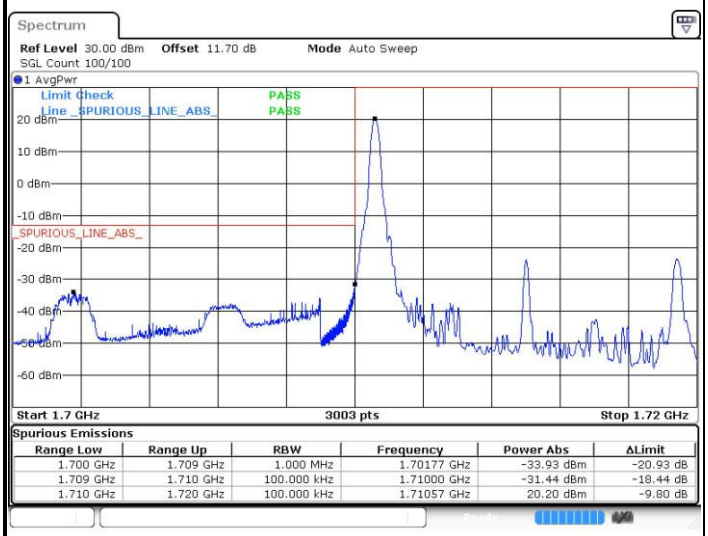
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75378 GHz	4.47 dBm	-25.53 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-32.25 dBm	-19.25 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.76281 GHz	-25.34 dBm	-12.34 dB

Date: 23.APR.2016 13:28:55

LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

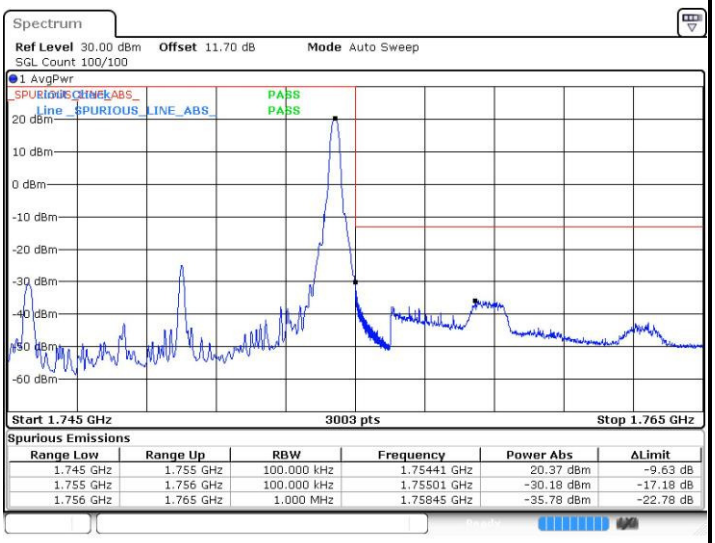


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70177 GHz	-33.93 dBm	-20.93 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-31.44 dBm	-18.44 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71057 GHz	20.20 dBm	-9.80 dB

Date: 23.APR.2016 13:18:05

Highest Band Edge / 1 RB

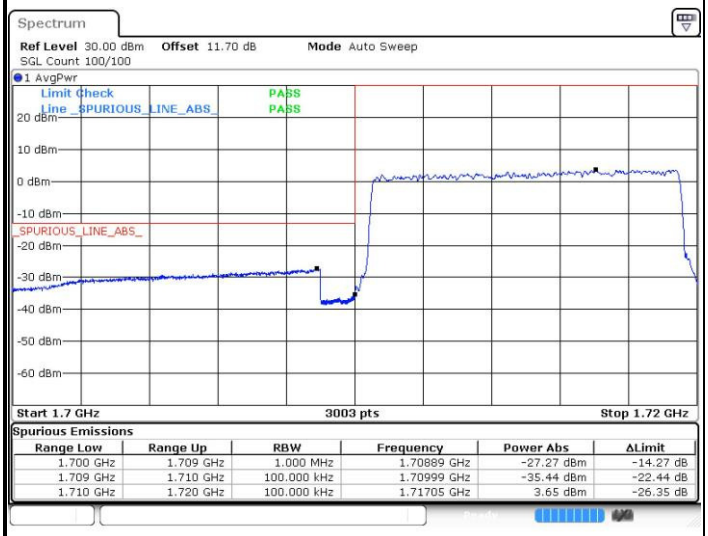


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75441 GHz	20.37 dBm	-9.63 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-30.18 dBm	-17.18 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75845 GHz	-35.78 dBm	-22.78 dB

Date: 23.APR.2016 13:27:45

Lowest Band Edge / Full RB

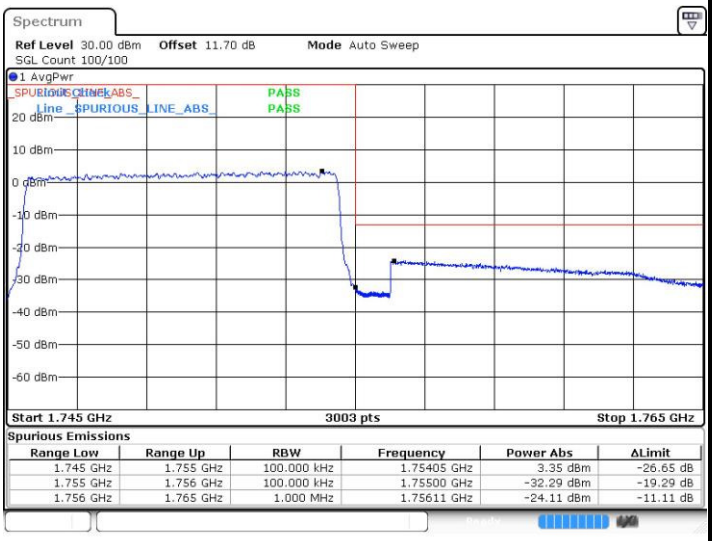


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70889 GHz	-27.27 dBm	-14.27 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70999 GHz	-35.44 dBm	-22.44 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71705 GHz	3.65 dBm	-26.35 dB

Date: 23.APR.2016 13:20:24

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75405 GHz	3.35 dBm	-26.65 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-32.29 dBm	-19.29 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75611 GHz	-24.11 dBm	-11.11 dB

Date: 23.APR.2016 13:30:04