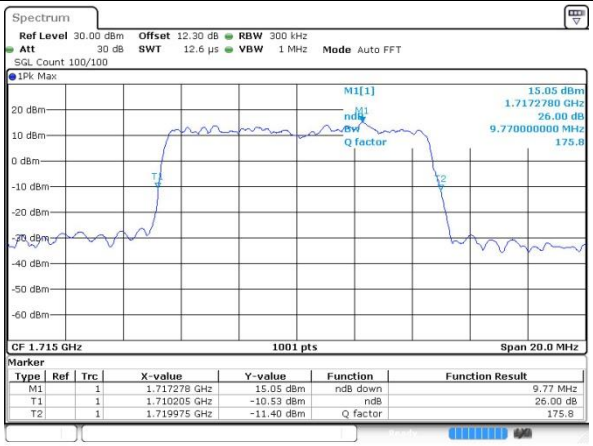
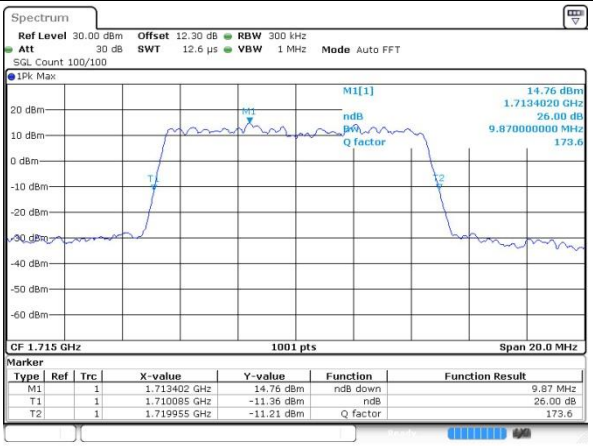
LTE Band 4

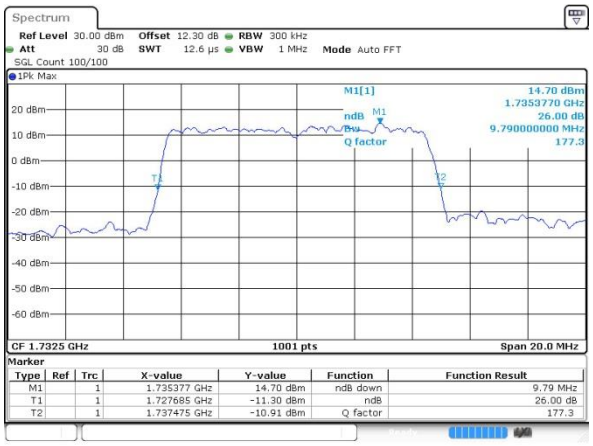
Lowest Channel / 10MHz / QPSK



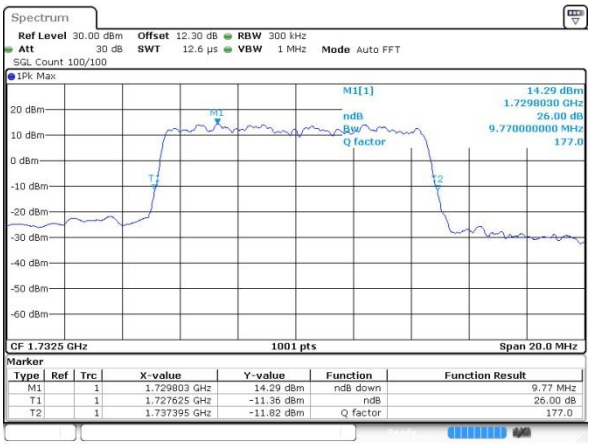
Lowest Channel / 10MHz / 16QAM



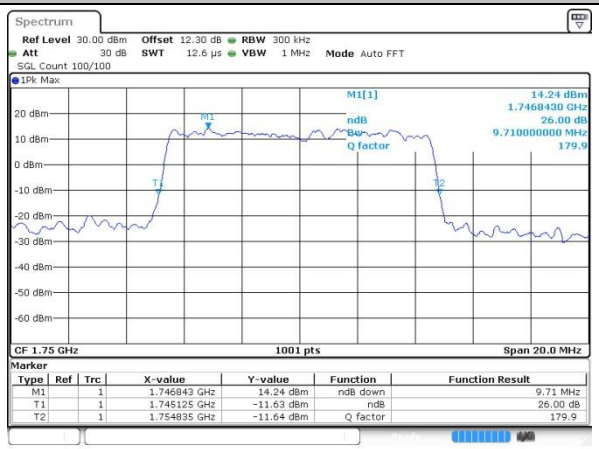
Middle Channel / 10MHz / QPSK



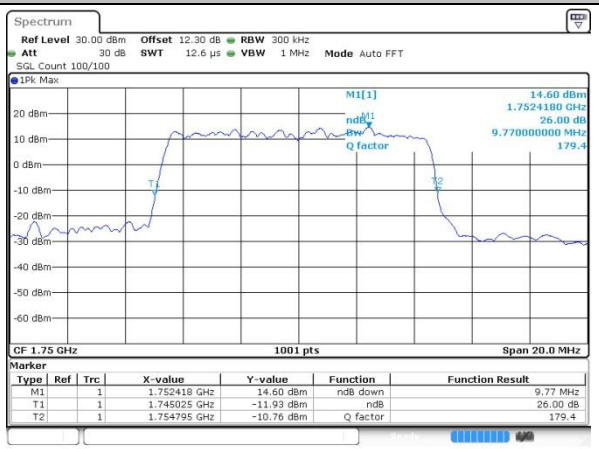
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

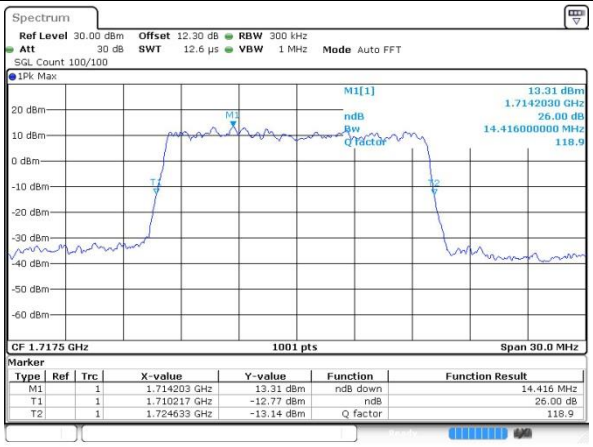


Highest Channel / 10MHz / 16QAM

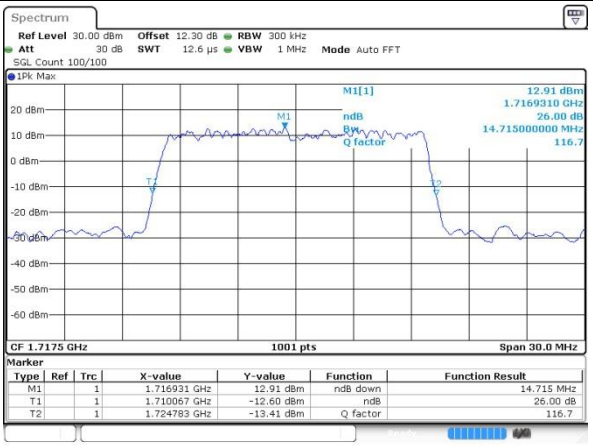


LTE Band 4

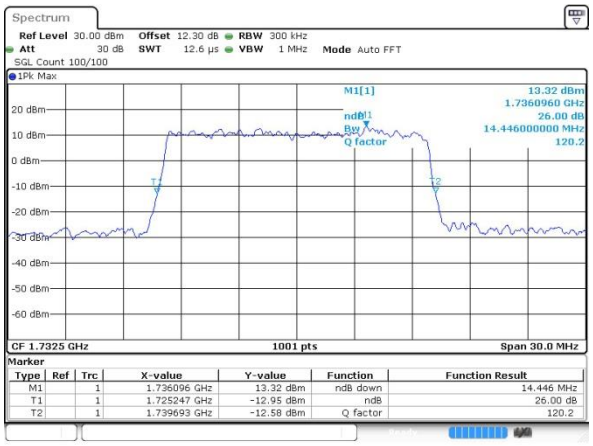
Lowest Channel / 15MHz / QPSK



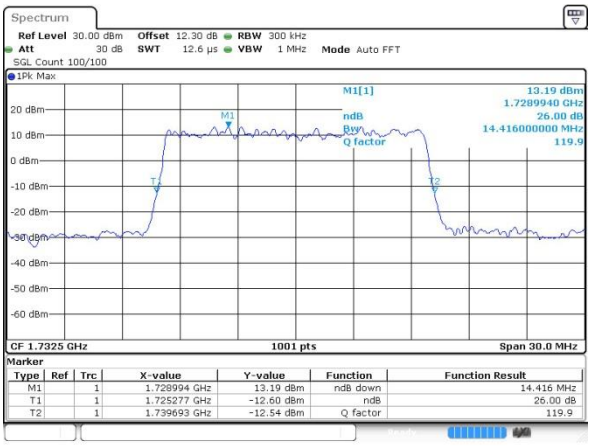
Lowest Channel / 15MHz / 16QAM



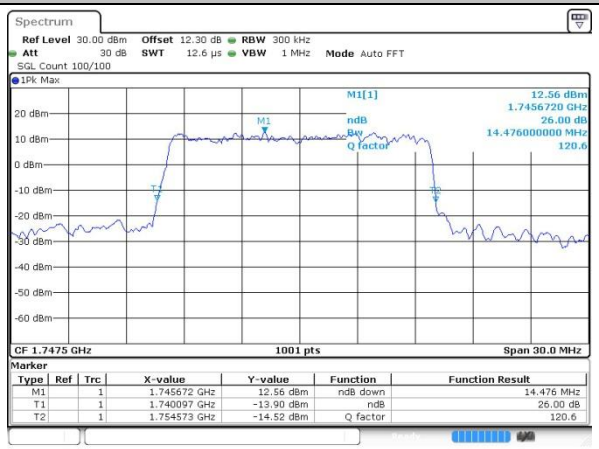
Middle Channel / 15MHz / QPSK



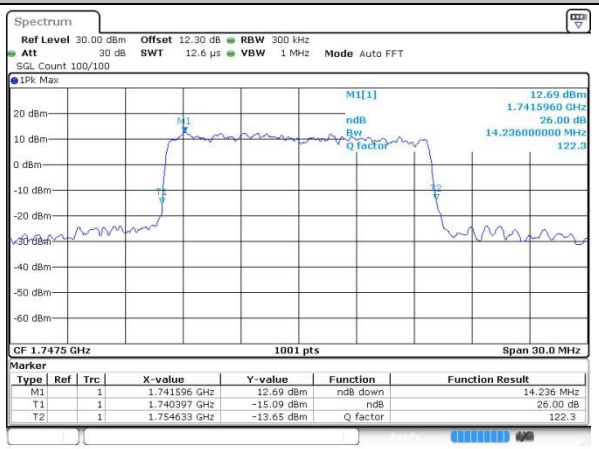
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

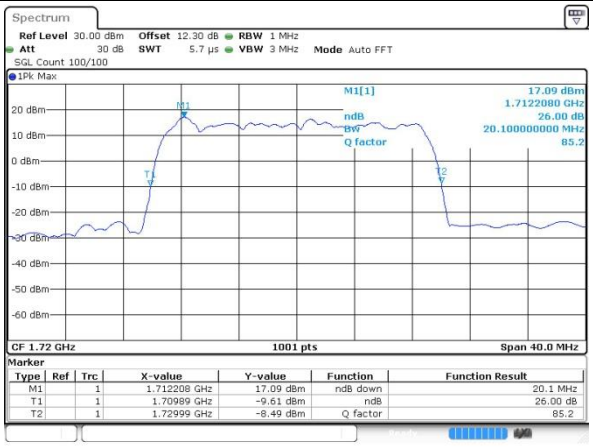


Highest Channel / 15MHz / 16QAM

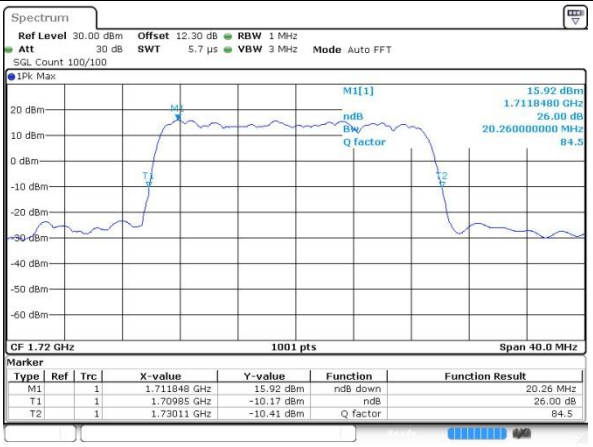


LTE Band 4

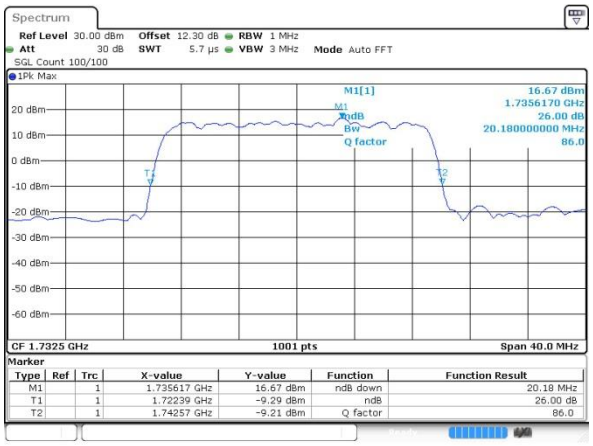
Lowest Channel / 20MHz / QPSK



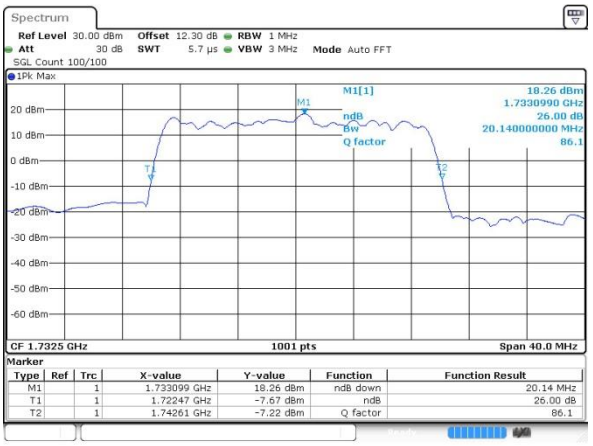
Lowest Channel / 20MHz / 16QAM



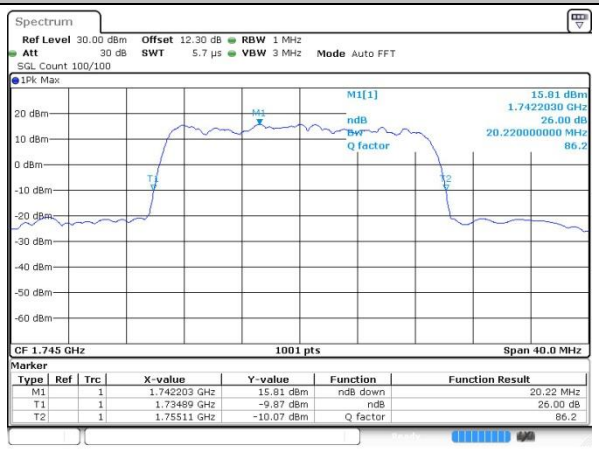
Middle Channel / 20MHz / QPSK



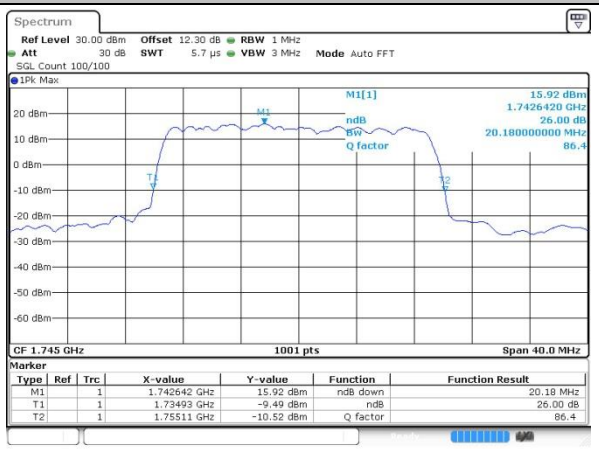
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

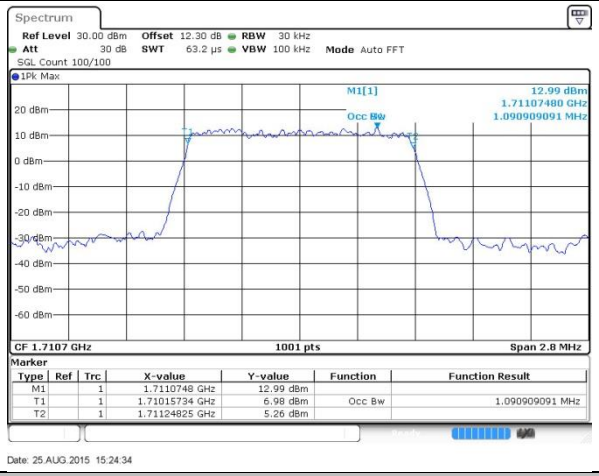


Occupied Bandwidth

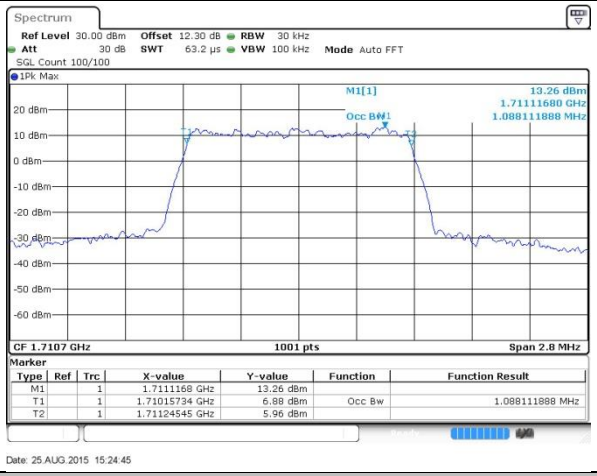
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.71	4.49	4.50	9.05	9.03	13.46	13.40	18.26	18.34
Middle CH	1.09	1.10	2.73	2.70	4.50	4.49	9.03	8.99	13.40	13.43	18.26	18.46
Highest CH	1.10	1.09	2.72	2.72	4.48	4.50	9.09	9.01	13.49	13.40	18.30	18.30

LTE Band 4

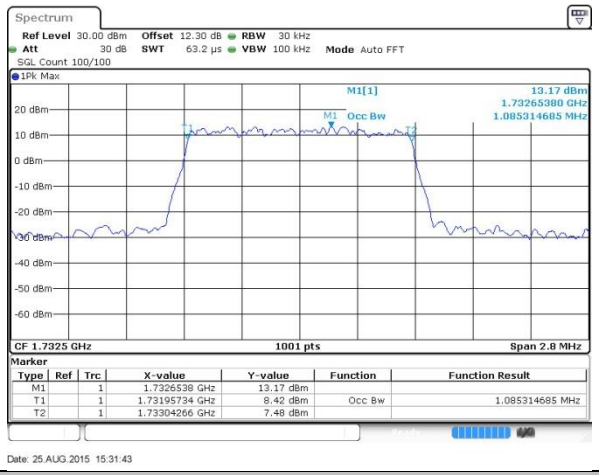
Lowest Channel / 1.4MHz / QPSK



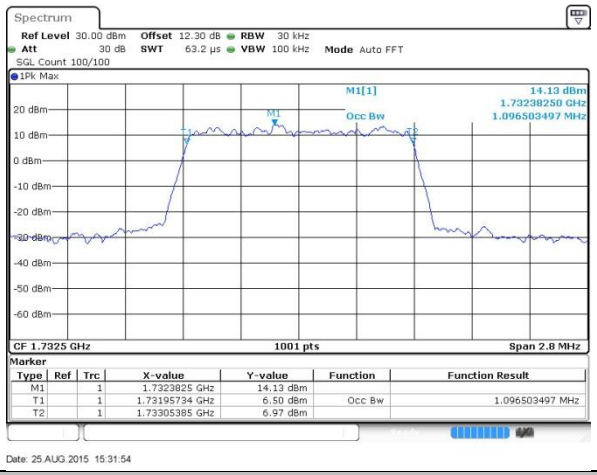
Lowest Channel / 1.4MHz / 16QAM



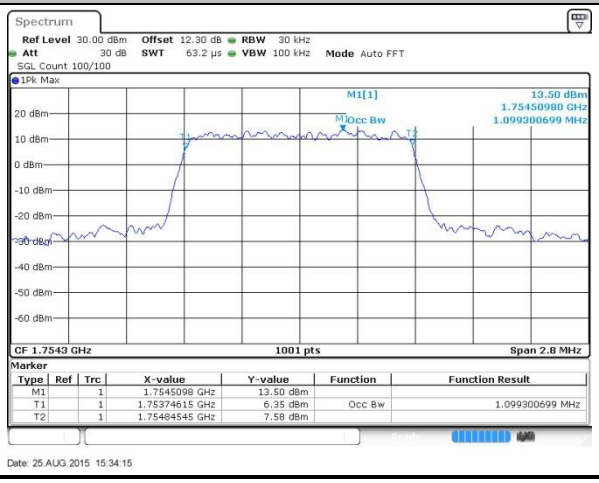
Middle Channel / 1.4MHz / QPSK



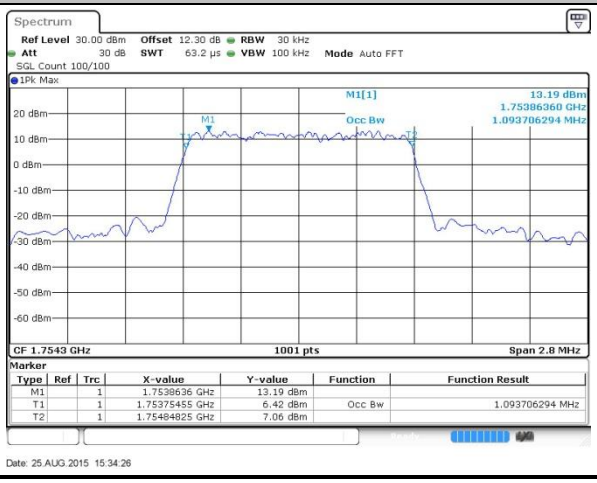
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

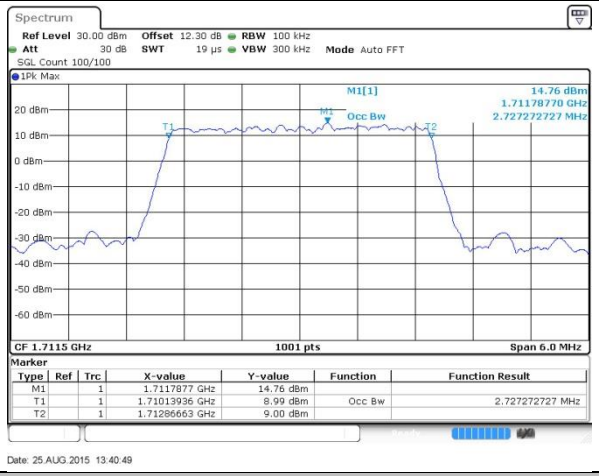


Highest Channel / 1.4MHz / 16QAM

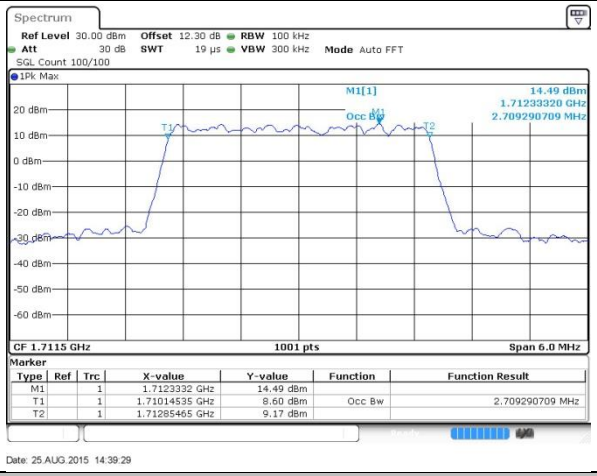


LTE Band 4

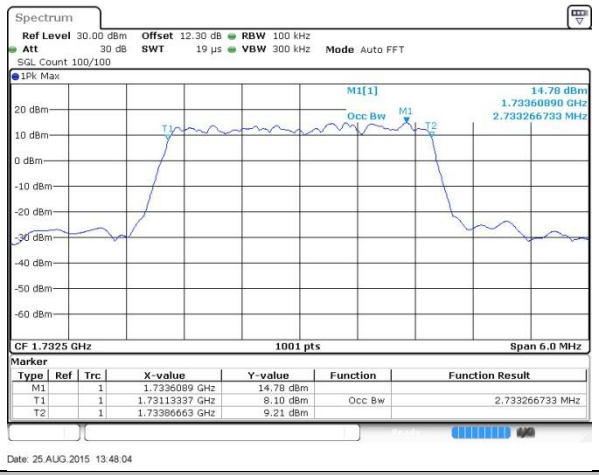
Lowest Channel / 3MHz / QPSK



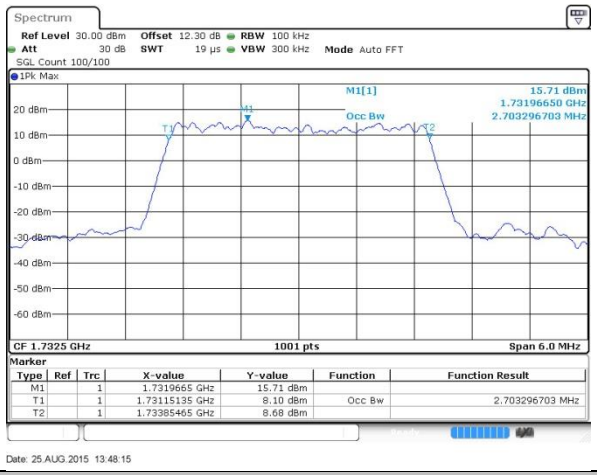
Lowest Channel / 3MHz / 16QAM



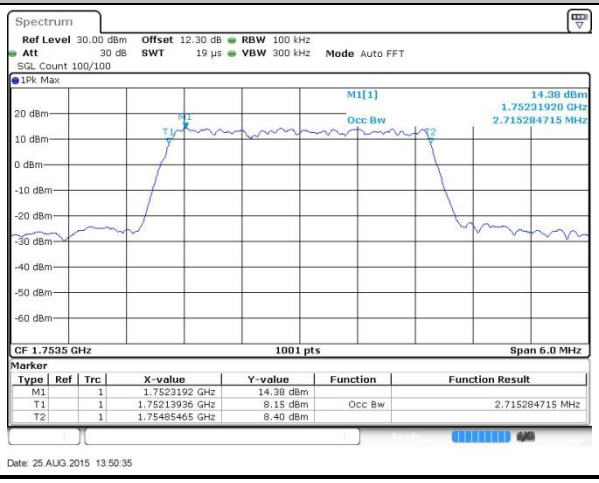
Middle Channel / 3MHz / QPSK



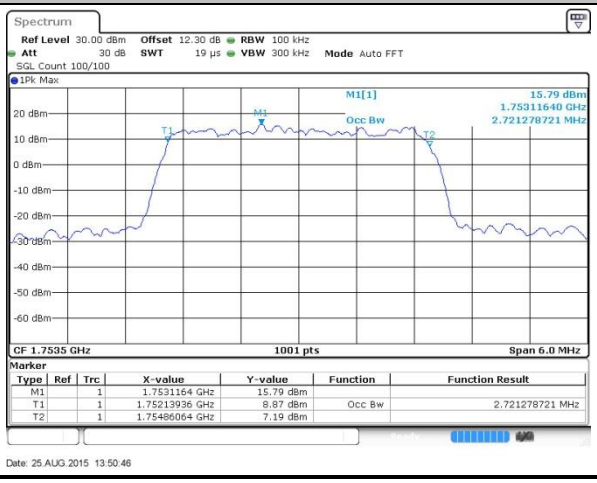
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

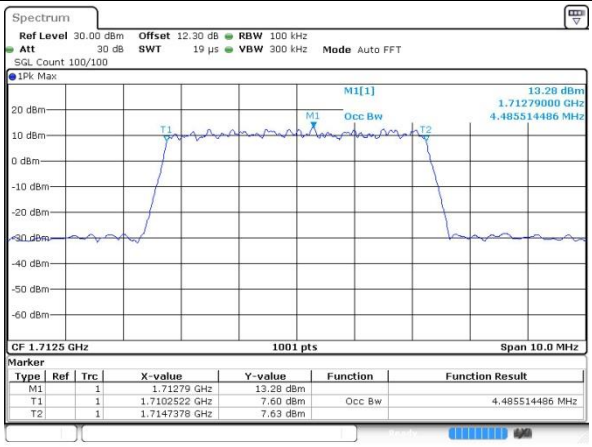


Highest Channel / 3MHz / 16QAM

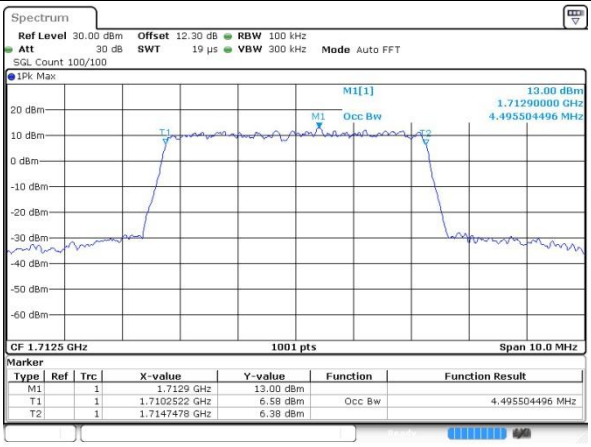


LTE Band 4

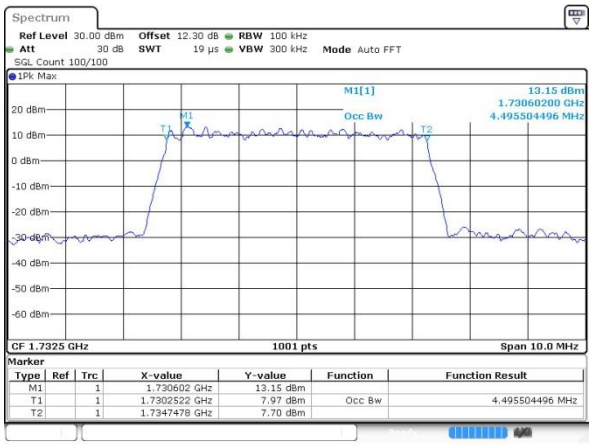
Lowest Channel / 5MHz / QPSK



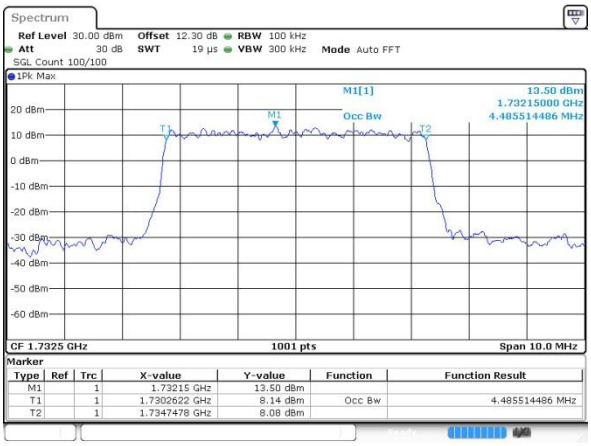
Lowest Channel / 5MHz / 16QAM



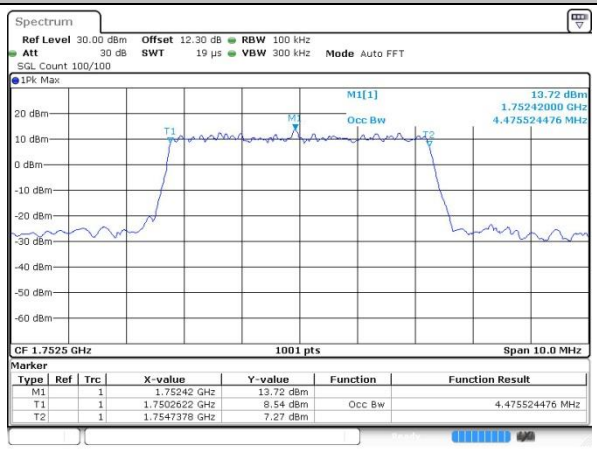
Middle Channel / 5MHz / QPSK



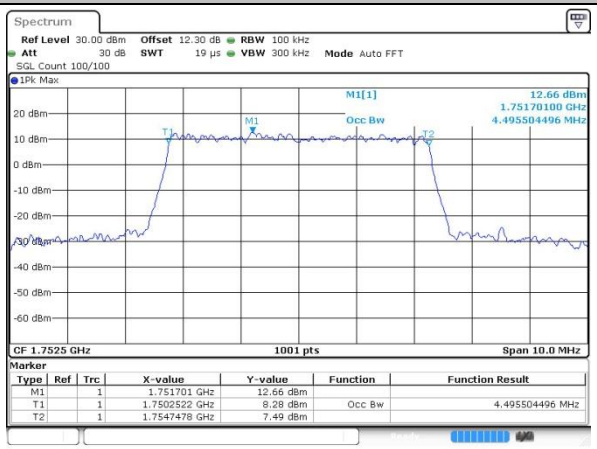
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

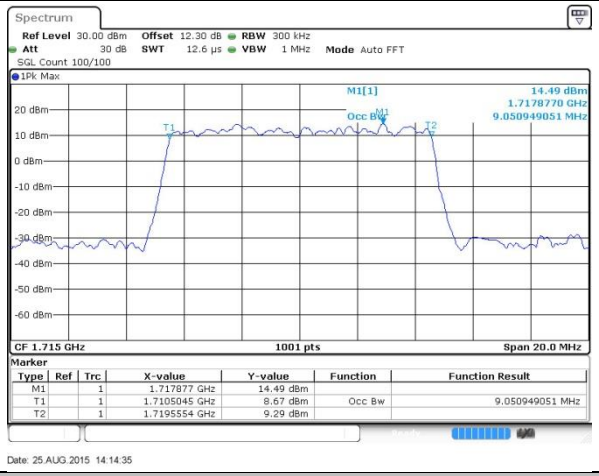


Highest Channel / 5MHz / 16QAM

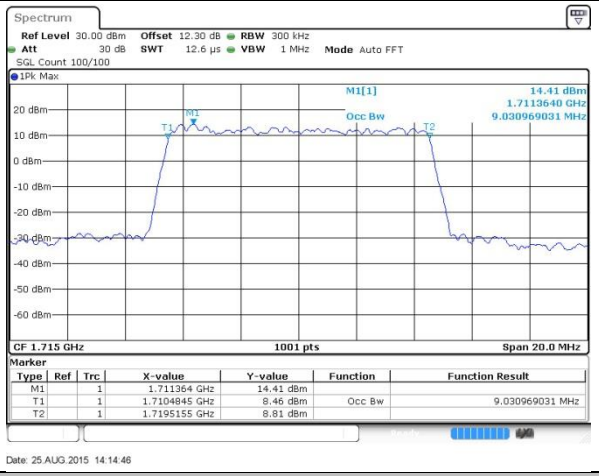


LTE Band 4

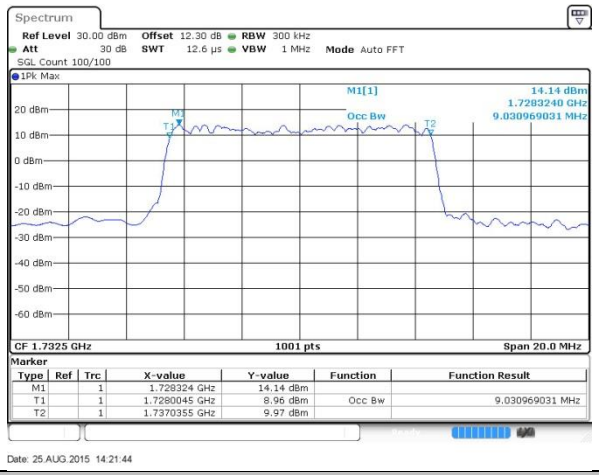
Lowest Channel / 10MHz / QPSK



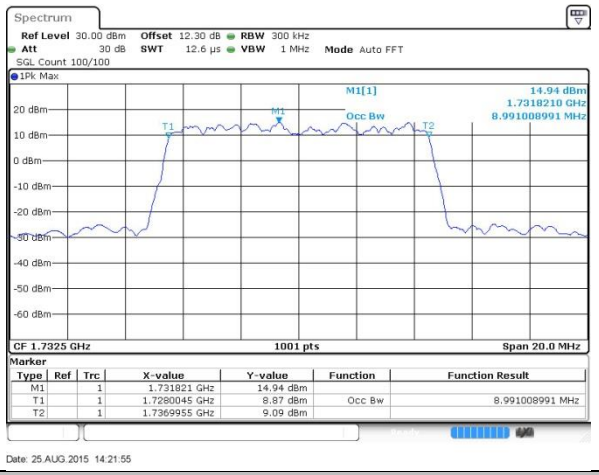
Lowest Channel / 10MHz / 16QAM



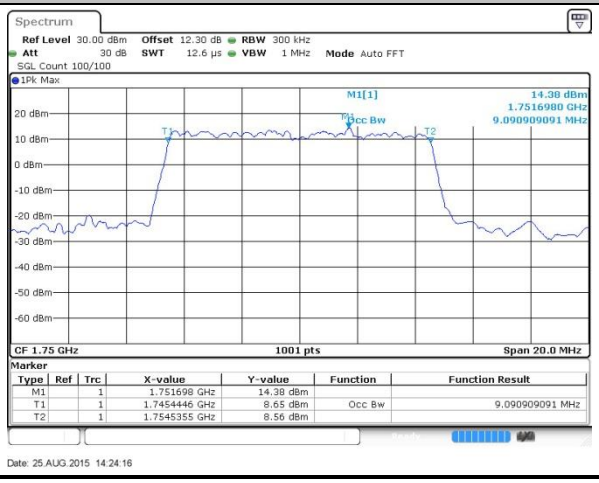
Middle Channel / 10MHz / QPSK



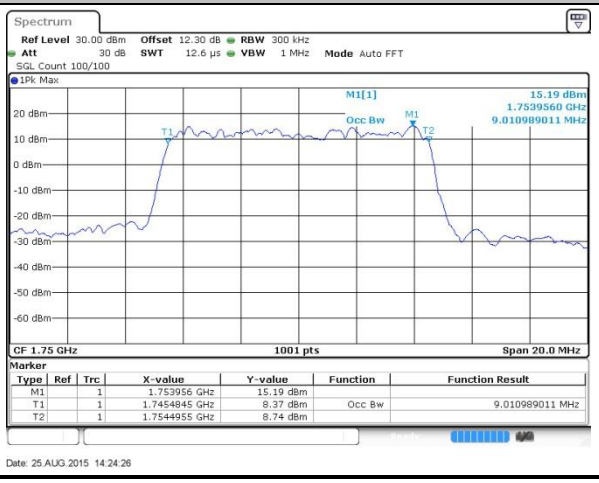
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

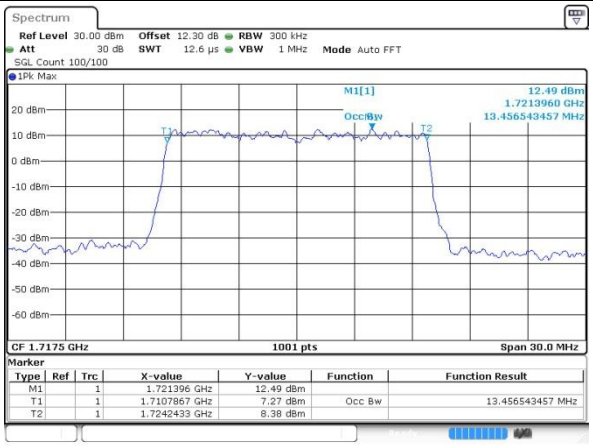


Highest Channel / 10MHz / 16QAM

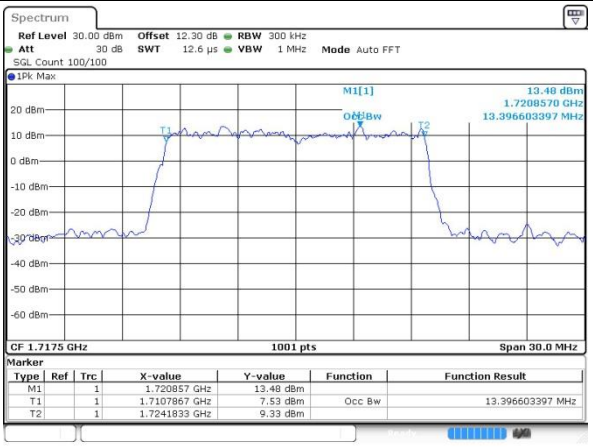


LTE Band 4

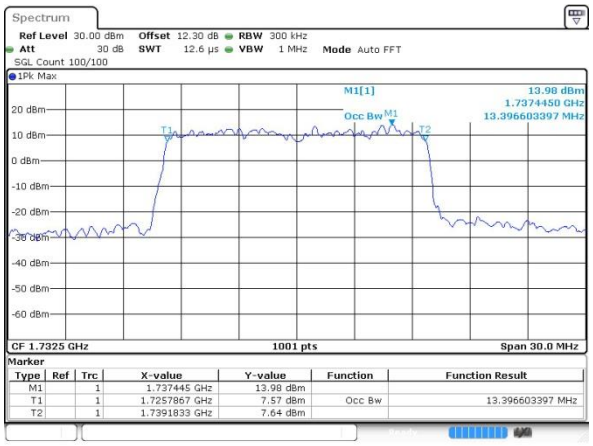
Lowest Channel / 15MHz / QPSK



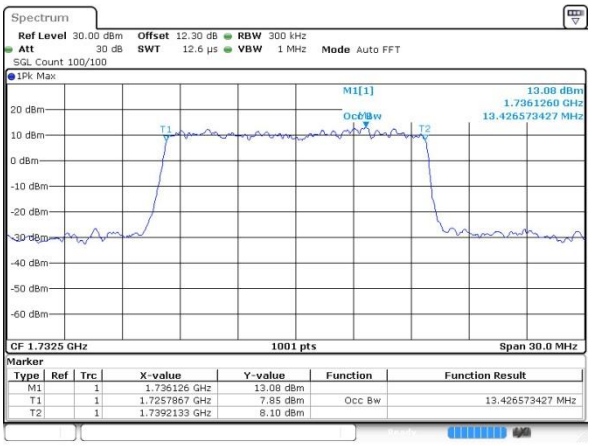
Lowest Channel / 15MHz / 16QAM



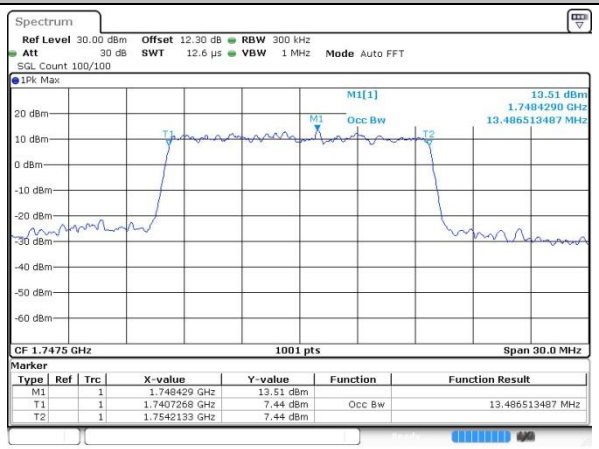
Middle Channel / 15MHz / QPSK



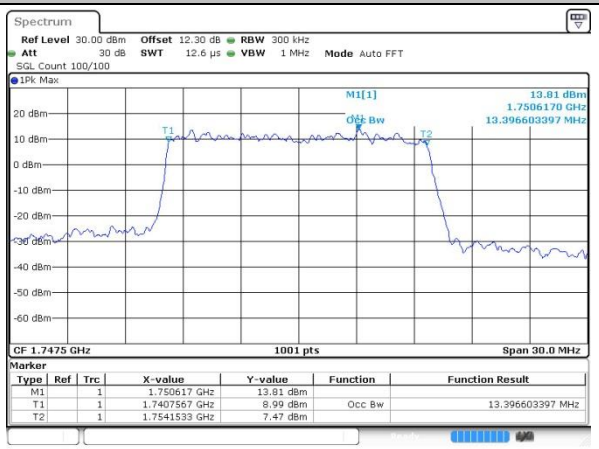
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

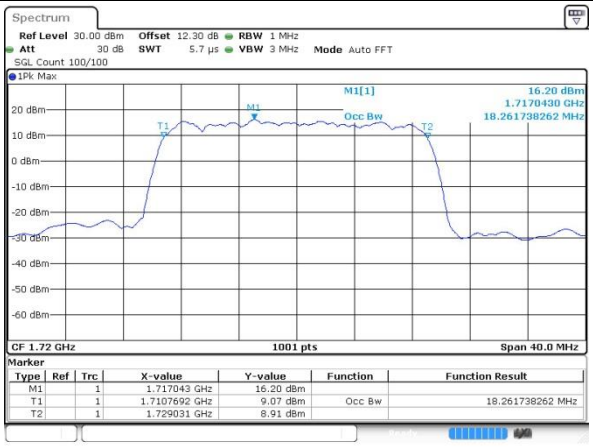


Highest Channel / 15MHz / 16QAM

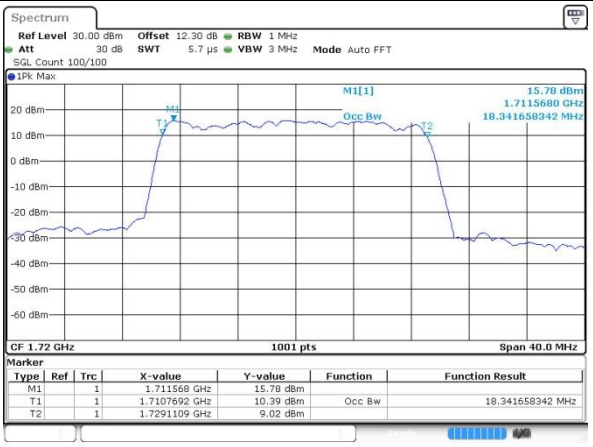


LTE Band 4

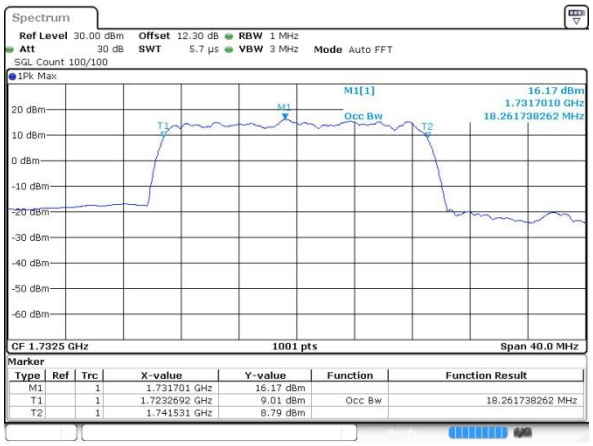
Lowest Channel / 20MHz / QPSK



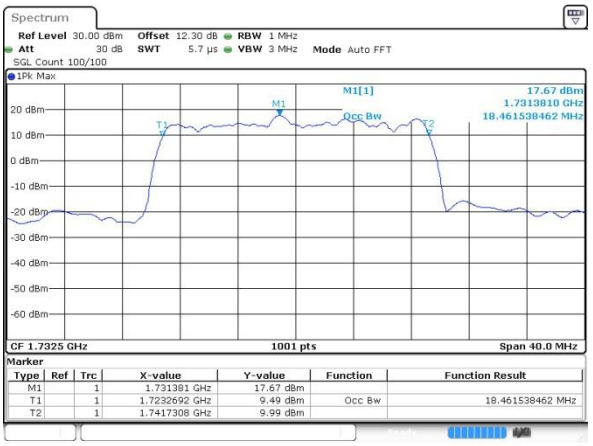
Lowest Channel / 20MHz / 16QAM



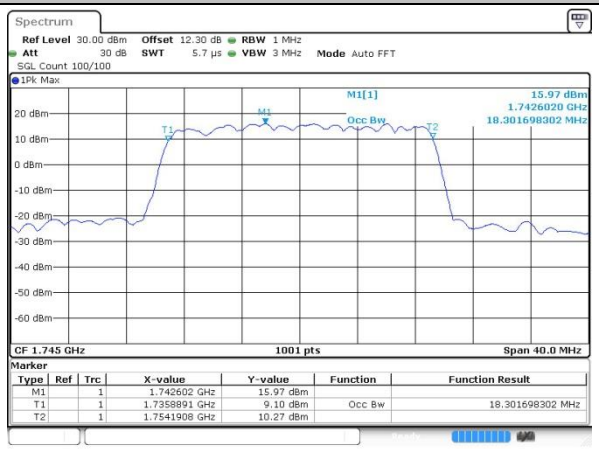
Middle Channel / 20MHz / QPSK



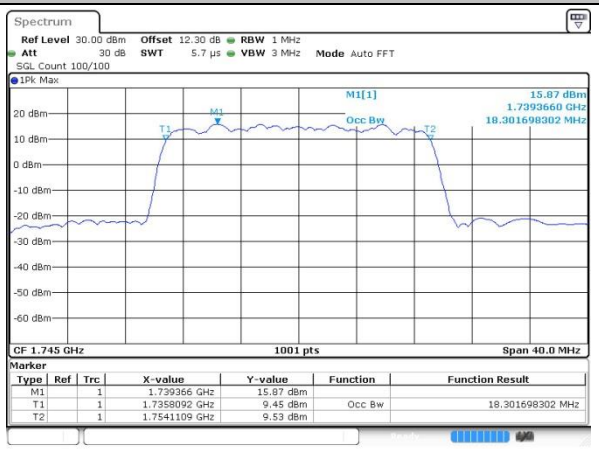
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



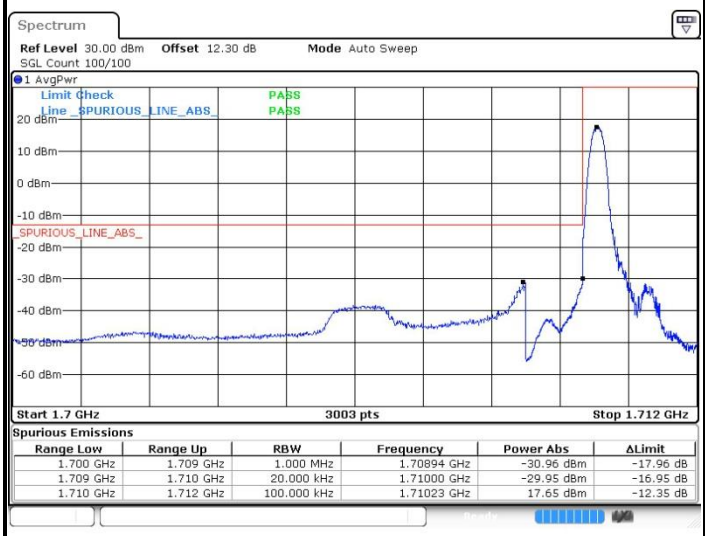
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

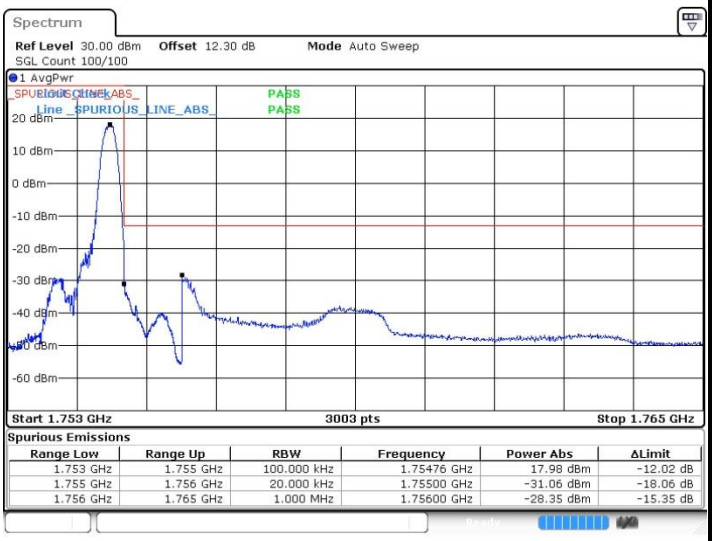


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-30.96 dBm	-17.96 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-29.95 dBm	-16.95 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71023 GHz	17.65 dBm	-12.35 dB

Date: 25.AUG.2015 15:26:15

Highest Band Edge / 1RB

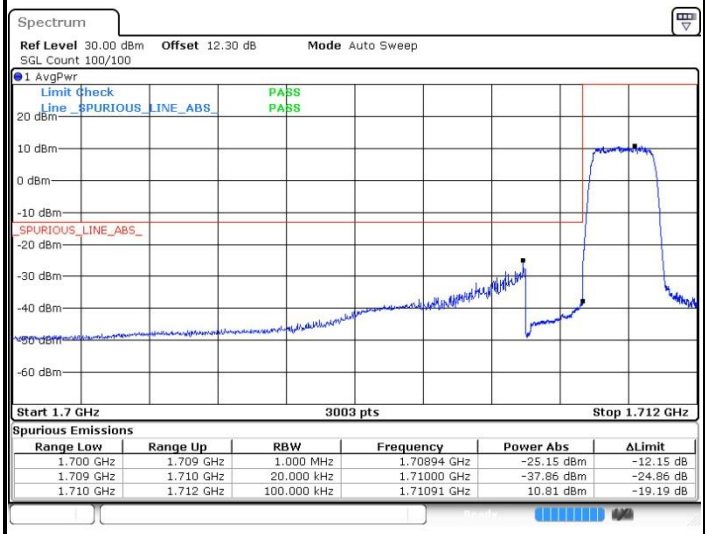


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75476 GHz	17.98 dBm	-12.02 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-31.06 dBm	-18.06 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-28.35 dBm	-15.35 dB

Date: 25.AUG.2015 15:35:56

Lowest Band Edge / Full RB

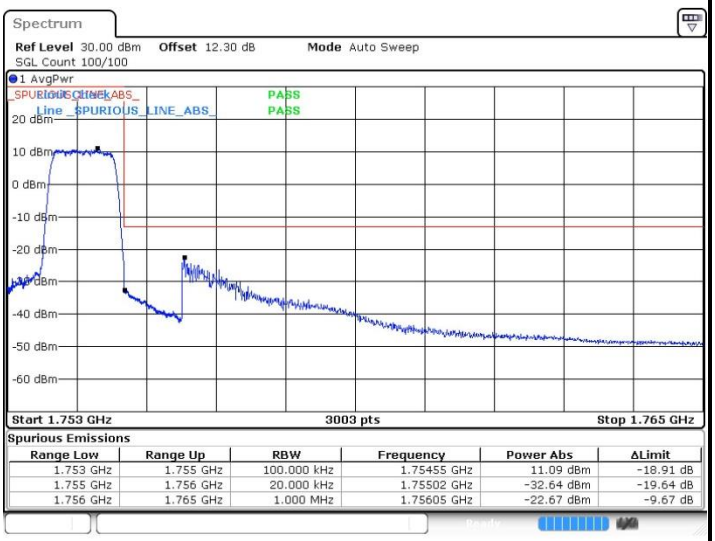


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-25.15 dBm	-12.15 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-37.86 dBm	-24.86 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71091 GHz	10.81 dBm	-19.19 dB

Date: 25.AUG.2015 15:28:33

Highest Band Edge / Full RB



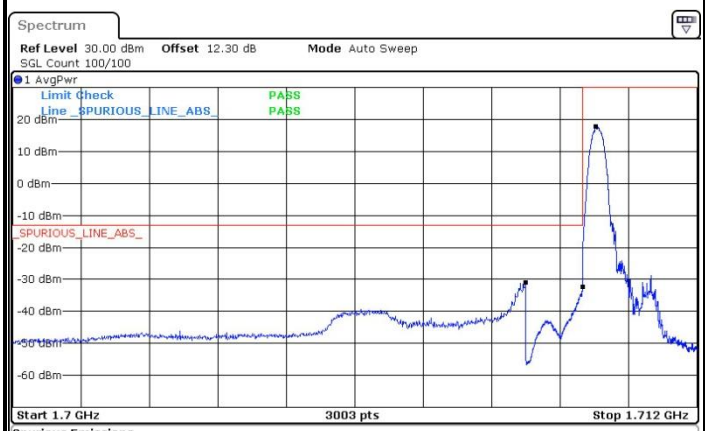
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75455 GHz	11.09 dBm	-18.91 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75502 GHz	-32.64 dBm	-19.64 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-22.67 dBm	-9.67 dB

Date: 25.AUG.2015 15:38:14

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

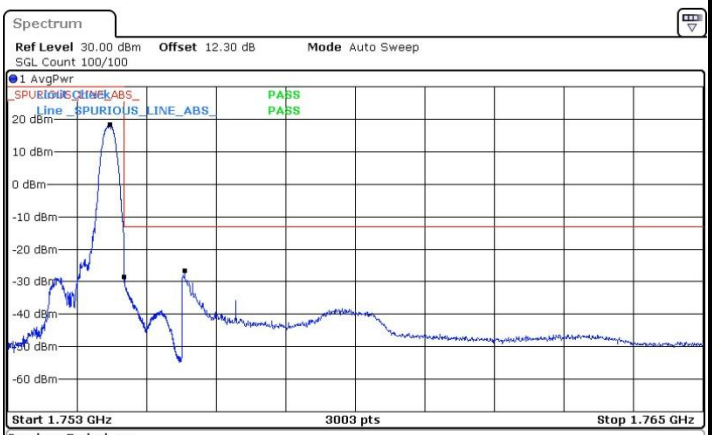


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-31.07 dBm	-18.07 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-32.35 dBm	-19.35 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71022 GHz	17.70 dBm	-12.30 dB

Date: 25.AUG.2015 15:27:24

Highest Band Edge / 1 RB

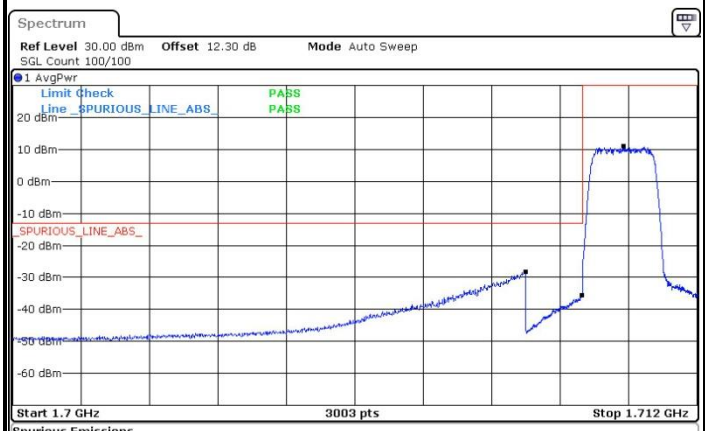


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75477 GHz	18.28 dBm	-11.72 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75501 GHz	-28.48 dBm	-15.48 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-26.69 dBm	-13.69 dB

Date: 25.AUG.2015 15:37:05

Lowest Band Edge / Full RB

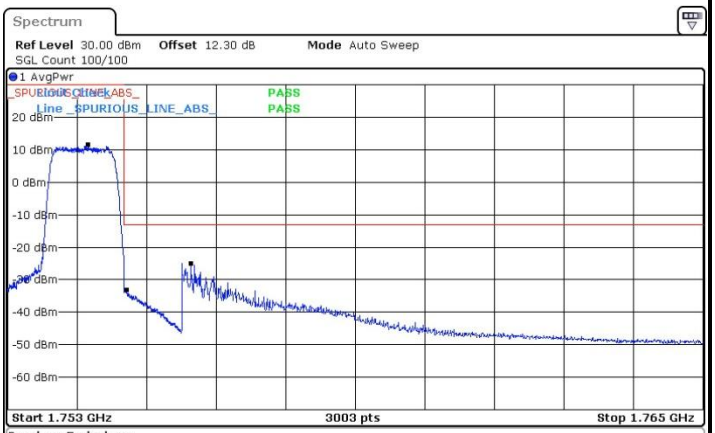


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-28.19 dBm	-15.19 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.70998 GHz	-35.45 dBm	-22.45 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71070 GHz	10.98 dBm	-19.02 dB

Date: 25.AUG.2015 15:29:43

Highest Band Edge / Full RB



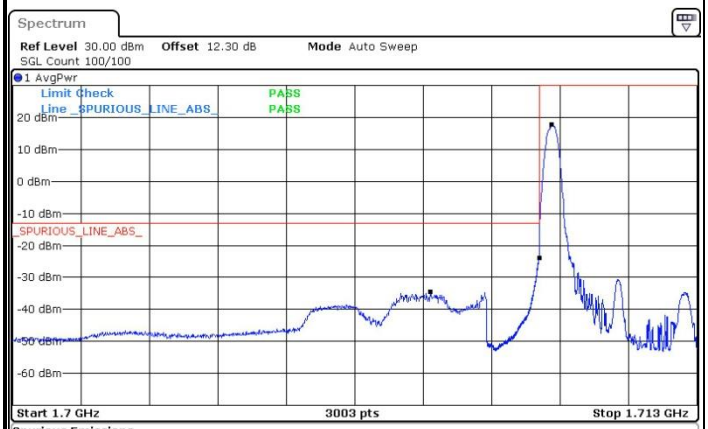
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75439 GHz	11.45 dBm	-18.55 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75505 GHz	-33.27 dBm	-20.27 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75617 GHz	-24.91 dBm	-11.91 dB

Date: 25.AUG.2015 15:39:24

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

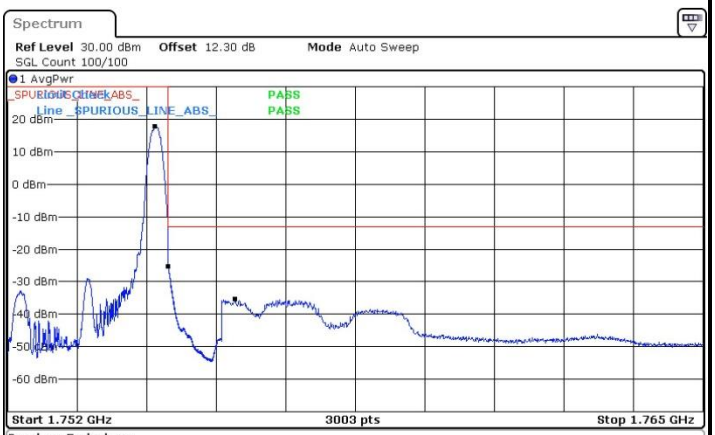


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70793 GHz	-34.48 dBm	-21.48 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-23.87 dBm	-10.87 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71023 GHz	17.73 dBm	-12.27 dB

Date: 25.AUG.2015 13:42:36

Highest Band Edge / 1 RB

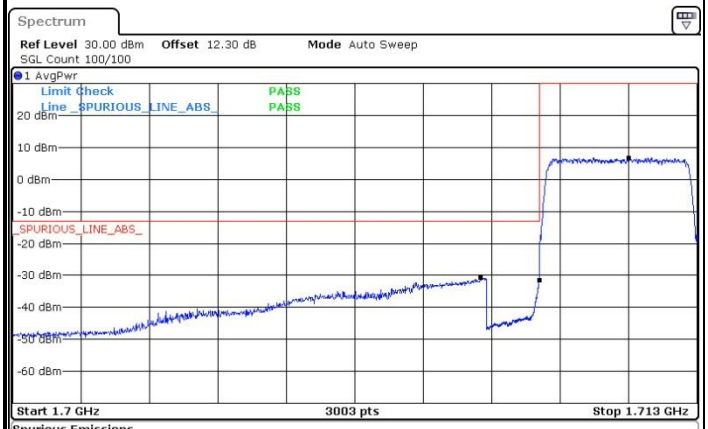


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75475 GHz	17.93 dBm	-12.07 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-25.20 dBm	-12.20 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75625 GHz	-35.41 dBm	-22.41 dB

Date: 25.AUG.2015 13:52:16

Lowest Band Edge / Full RB

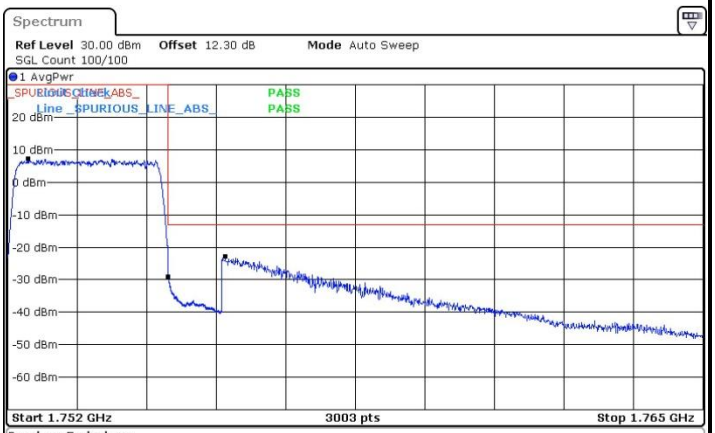


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70889 GHz	-30.82 dBm	-17.82 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-31.65 dBm	-18.65 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71170 GHz	6.62 dBm	-23.38 dB

Date: 25.AUG.2015 13:44:54

Highest Band Edge / Full RB



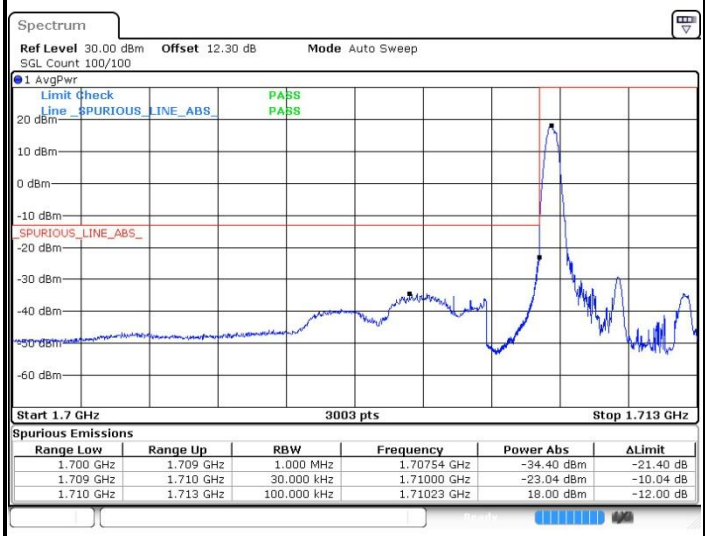
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75238 GHz	7.14 dBm	-22.86 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-29.19 dBm	-16.19 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75606 GHz	-22.92 dBm	-9.92 dB

Date: 25.AUG.2015 13:54:35

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

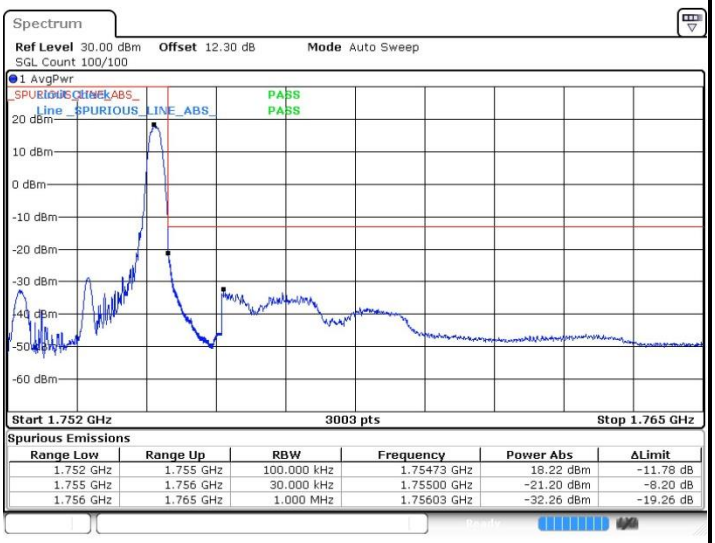


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70754 GHz	-34.40 dBm	-21.40 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-23.04 dBm	-10.04 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71023 GHz	18.00 dBm	-12.00 dB

Date: 25.AUG.2015 13:43:45

Highest Band Edge /1 RB

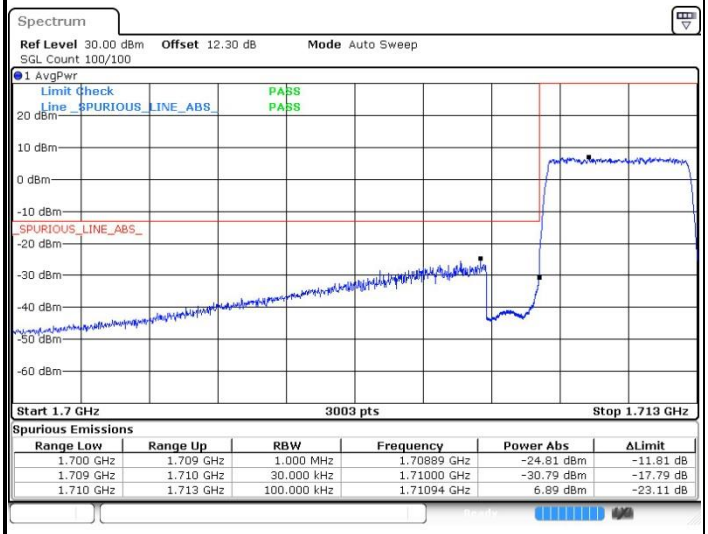


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75473 GHz	18.22 dBm	-11.78 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-21.20 dBm	-8.20 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-32.26 dBm	-19.26 dB

Date: 25.AUG.2015 13:53:25

Lowest Band Edge / Full RB

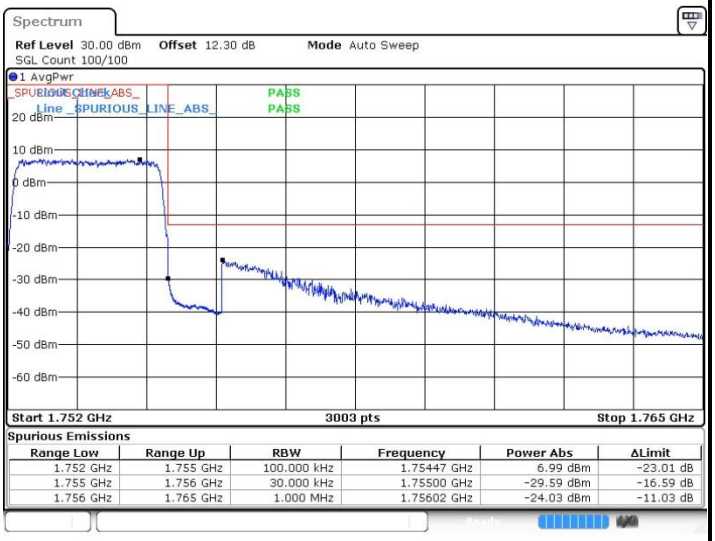


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70889 GHz	-24.81 dBm	-11.81 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-30.79 dBm	-17.79 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71094 GHz	6.89 dBm	-23.11 dB

Date: 25.AUG.2015 13:46:04

Highest Band Edge / Full RB



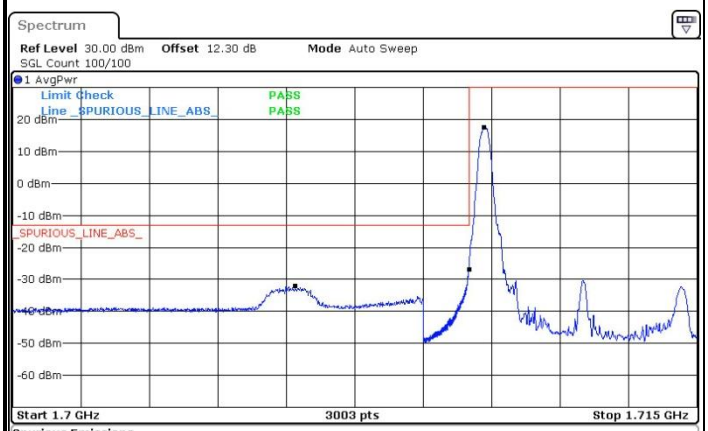
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75447 GHz	6.99 dBm	-23.01 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-29.59 dBm	-16.59 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75602 GHz	-24.03 dBm	-11.03 dB

Date: 25.AUG.2015 13:55:44

LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB

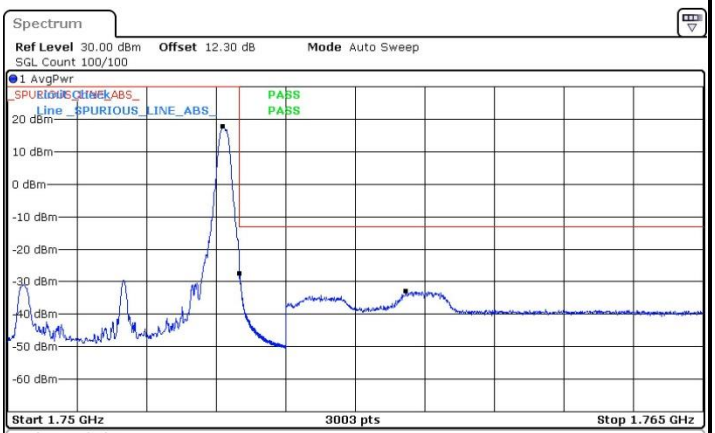


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70619 GHz	-31.95 dBm	-18.95 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-26.82 dBm	-13.82 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71033 GHz	17.67 dBm	-12.33 dB

Date: 25.AUG.2015 13:59:25

Highest Band Edge / 1 RB

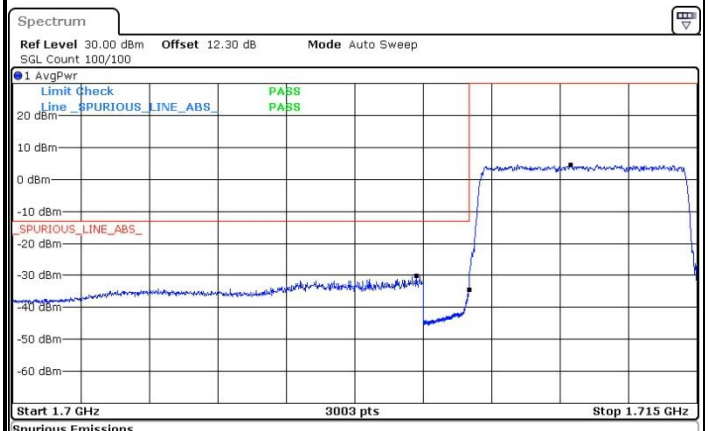


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75463 GHz	17.83 dBm	-12.17 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-27.54 dBm	-14.54 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75858 GHz	-32.89 dBm	-19.89 dB

Date: 25.AUG.2015 14:09:06

Lowest Band Edge / Full RB

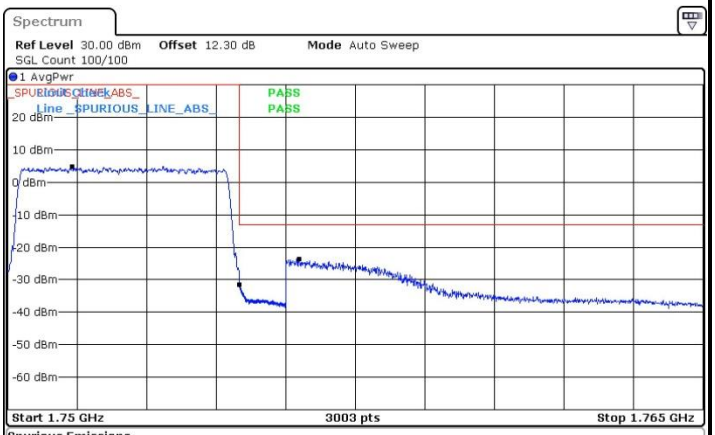


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70885 GHz	-30.19 dBm	-17.19 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-34.48 dBm	-21.48 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71223 GHz	4.53 dBm	-25.47 dB

Date: 25.AUG.2015 14:01:43

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	1.75139 GHz	4.68 dBm	-25.32 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-31.63 dBm	-18.63 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75629 GHz	-23.73 dBm	-10.73 dB

Date: 25.AUG.2015 14:11:25