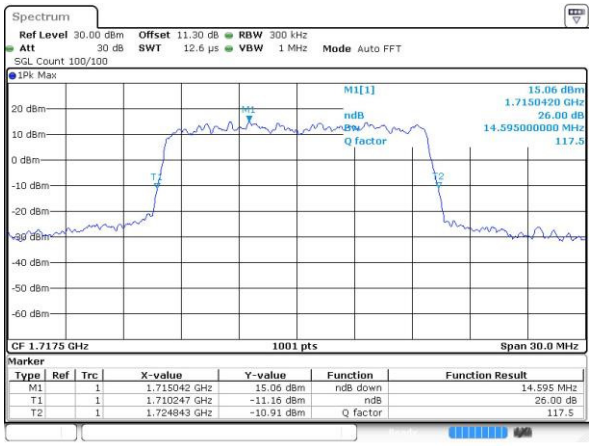
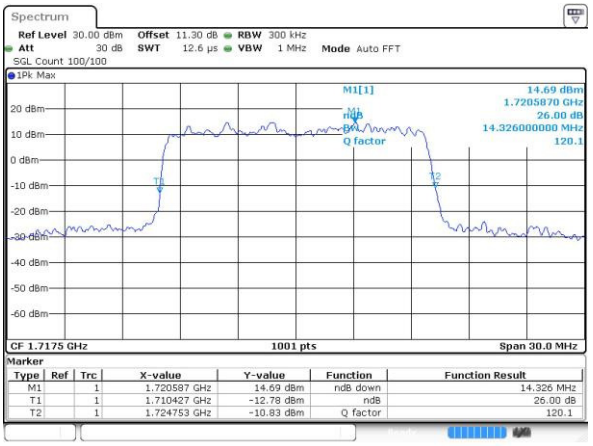
LTE Band 4

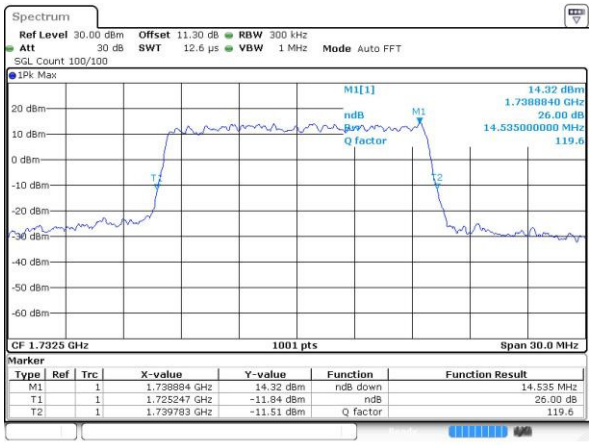
Lowest Channel / 15MHz / QPSK



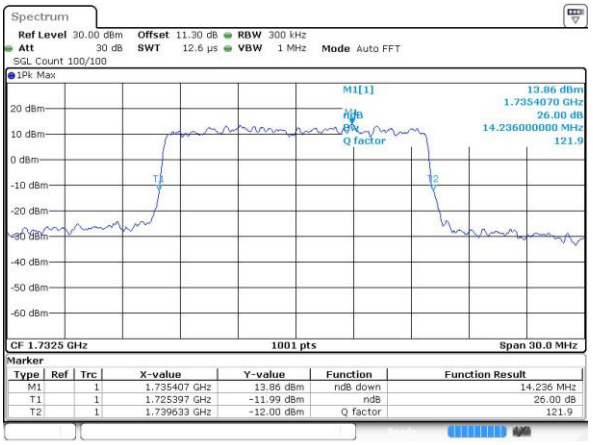
Lowest Channel / 15MHz / 16QAM



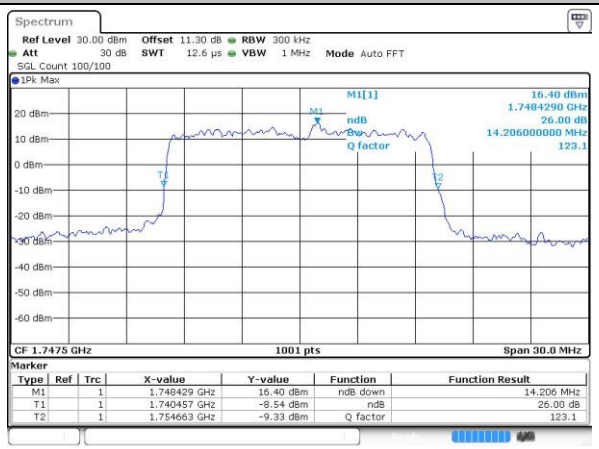
Middle Channel / 15MHz / QPSK



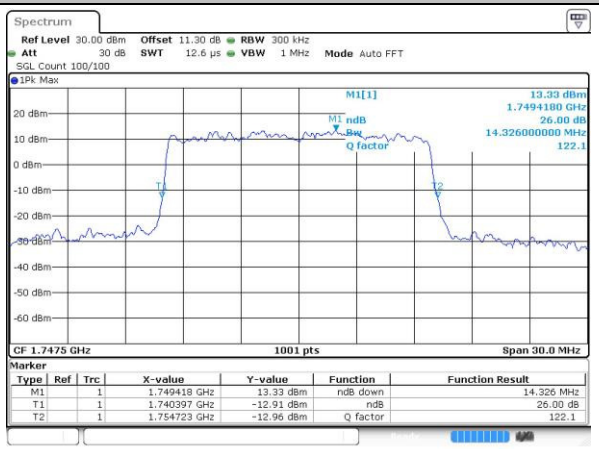
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

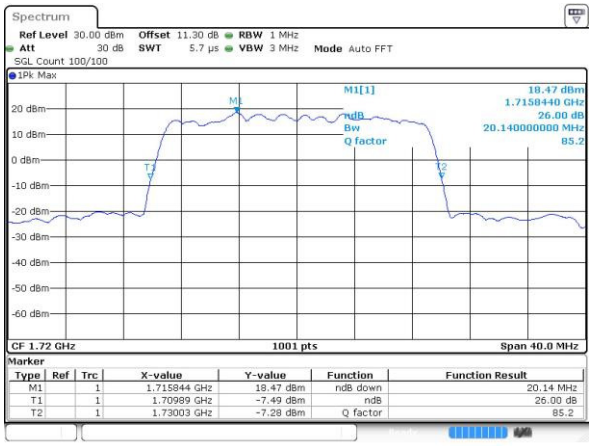


Highest Channel / 15MHz / 16QAM

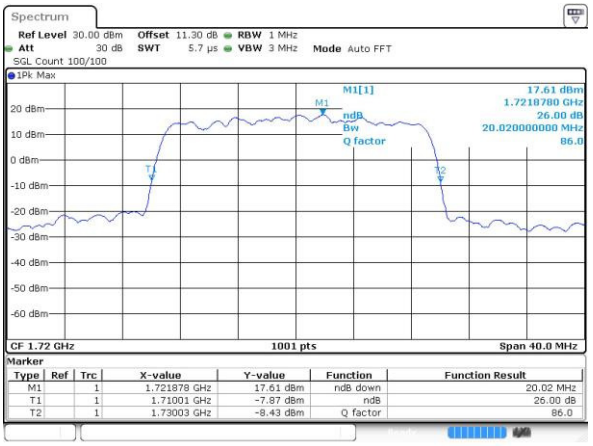


LTE Band 4

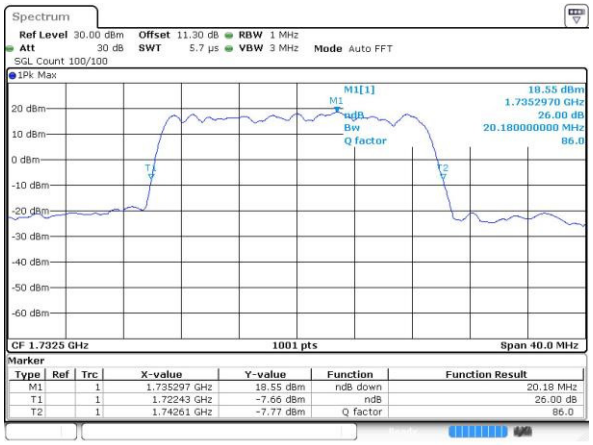
Lowest Channel / 20MHz / QPSK



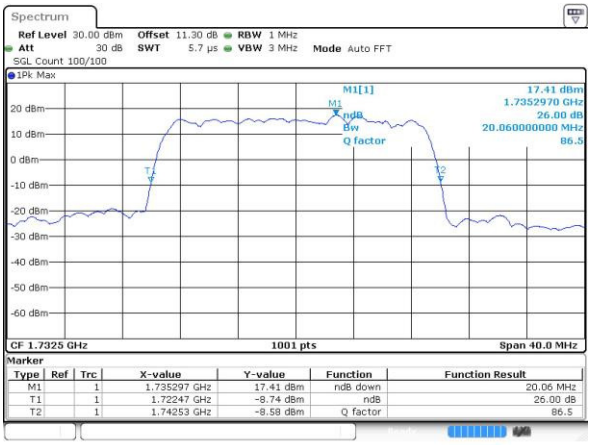
Lowest Channel / 20MHz / 16QAM



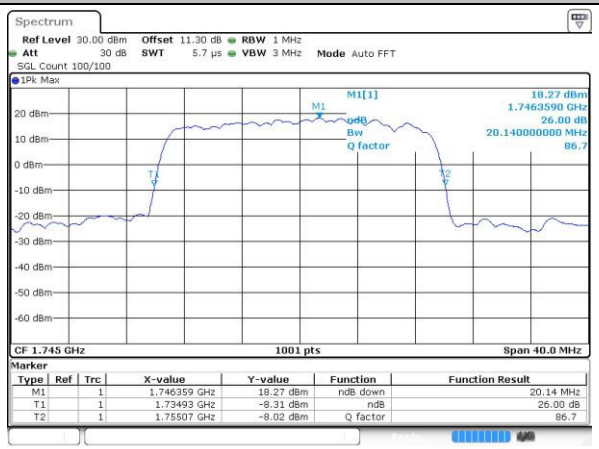
Middle Channel / 20MHz / QPSK



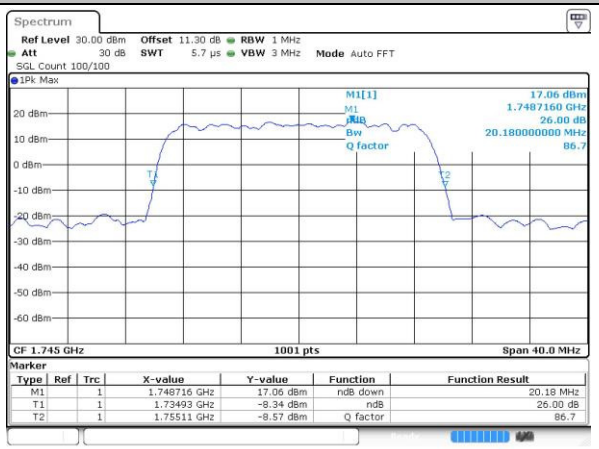
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

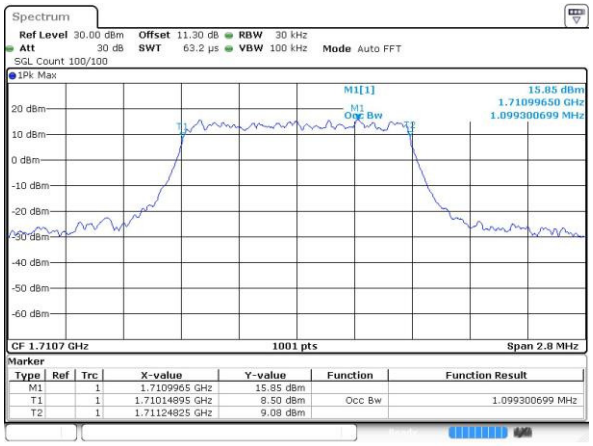


Occupied Bandwidth

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	1.10	1.08	2.72	2.73	4.49	4.49	8.99	8.97	13.40	13.46	18.30	18.18
Middle CH	1.09	1.09	2.70	2.71	4.50	4.49	8.95	9.05	13.43	13.46	18.18	18.38
Highest CH	1.09	1.10	2.71	2.72	4.47	4.48	9.03	9.01	13.37	13.43	18.14	18.42

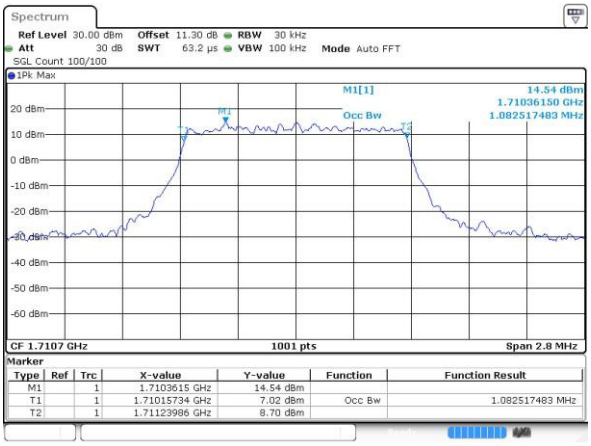
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



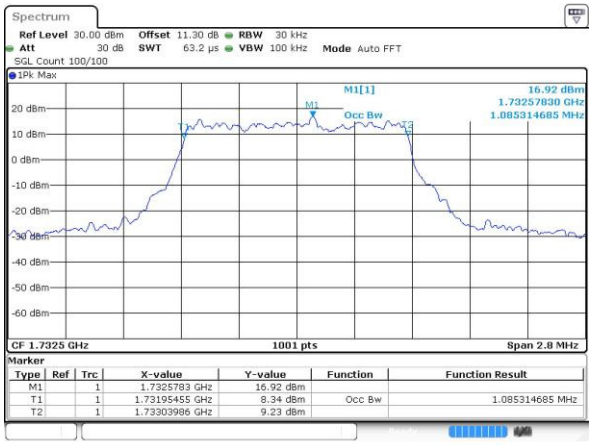
Date: 26.MAY.2016 10:24:00

Lowest Channel / 1.4MHz / 16QAM



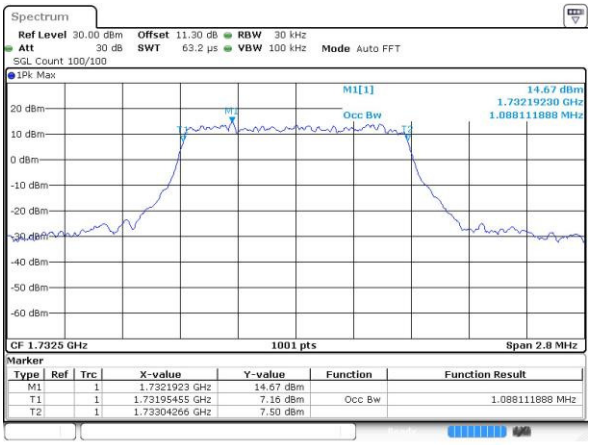
Date: 26.MAY.2016 10:24:10

Middle Channel / 1.4MHz / QPSK



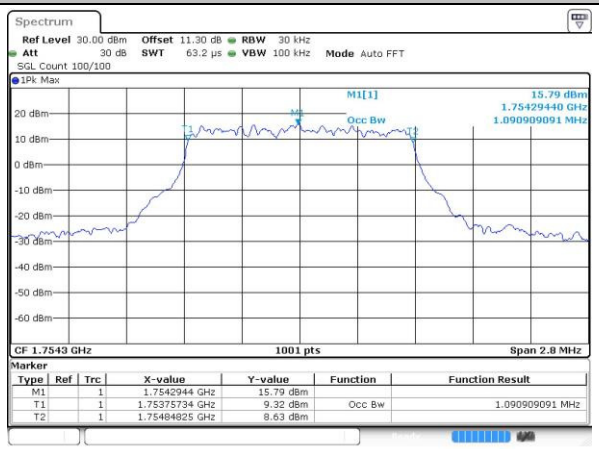
Date: 26.MAY.2016 10:31:10

Middle Channel / 1.4MHz / 16QAM



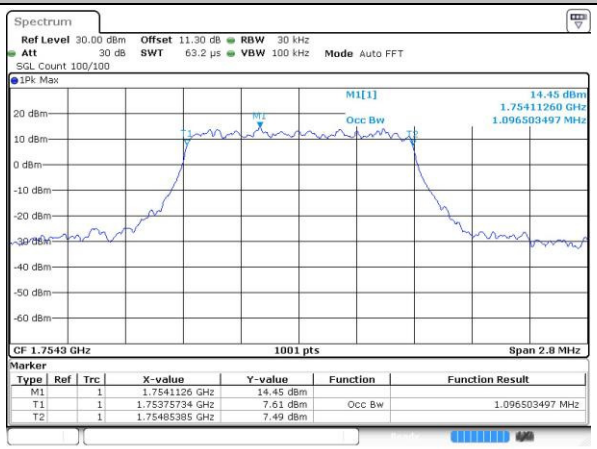
Date: 26.MAY.2016 10:31:21

Highest Channel / 1.4MHz / QPSK



Date: 26.MAY.2016 10:33:42

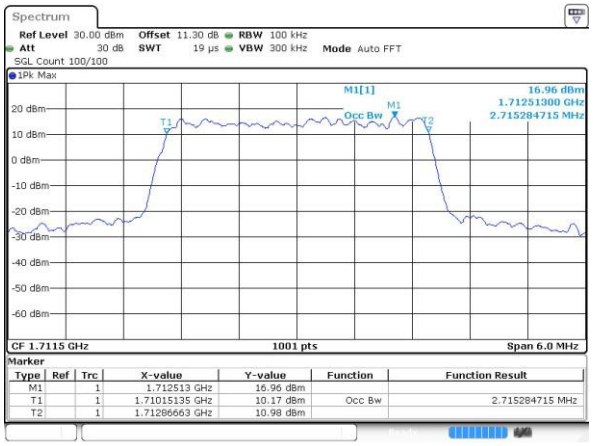
Highest Channel / 1.4MHz / 16QAM



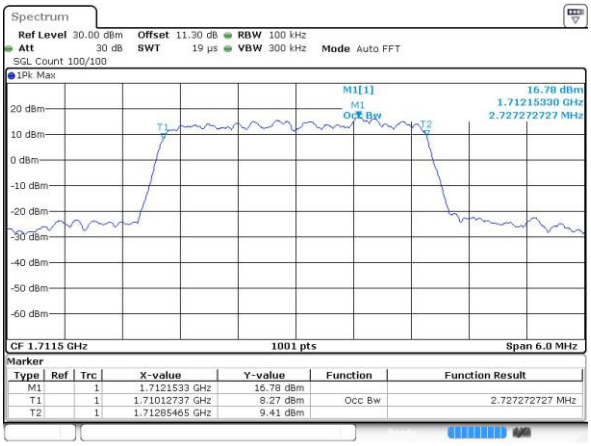
Date: 26.MAY.2016 10:33:52

LTE Band 4

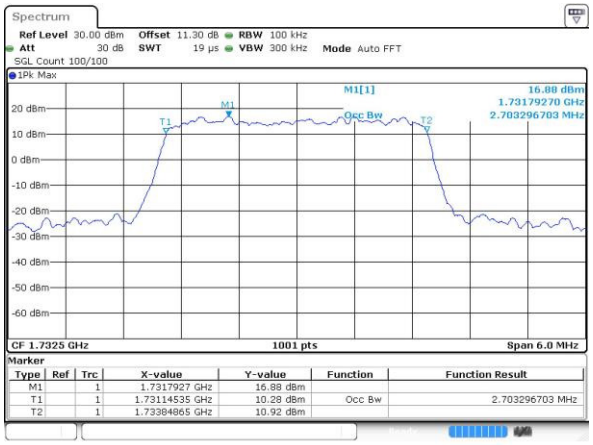
Lowest Channel / 3MHz / QPSK



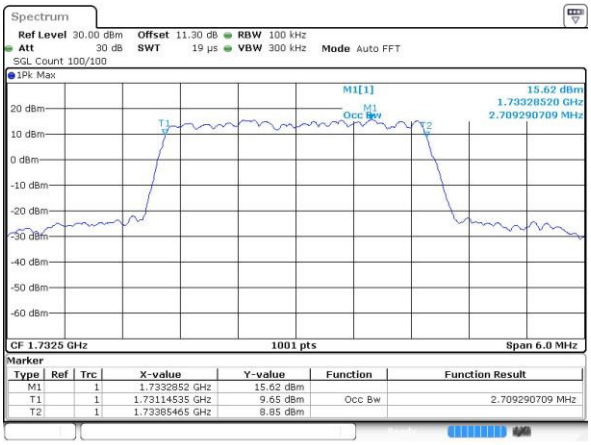
Lowest Channel / 3MHz / 16QAM



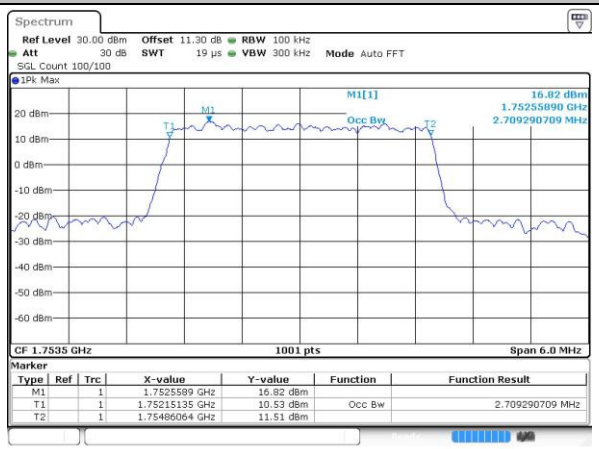
Middle Channel / 3MHz / QPSK



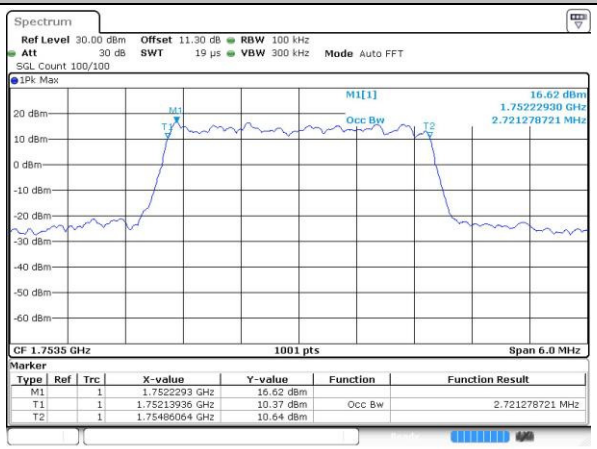
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

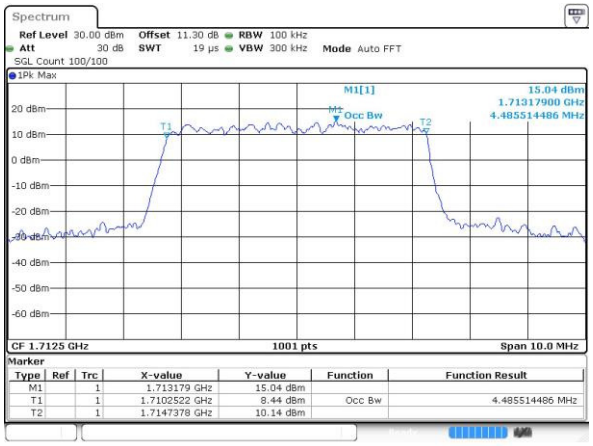


Highest Channel / 3MHz / 16QAM



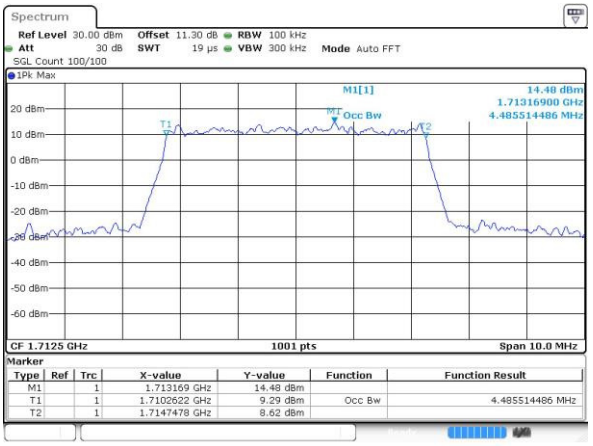
LTE Band 4

Lowest Channel / 5MHz / QPSK



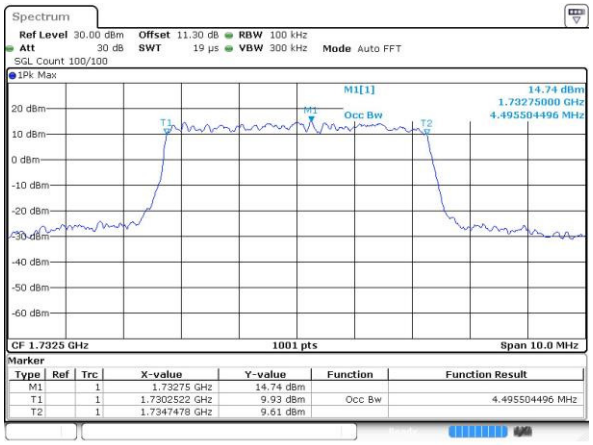
Date: 26.MAY.2016 09:10:42

Lowest Channel / 5MHz / 16QAM



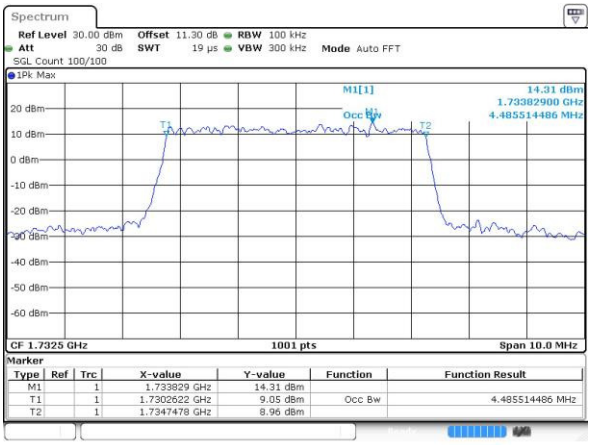
Date: 26.MAY.2016 09:10:53

Middle Channel / 5MHz / QPSK



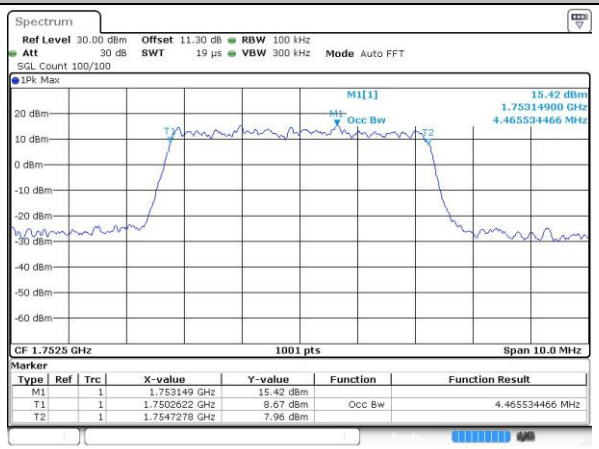
Date: 26.MAY.2016 09:17:51

Middle Channel / 5MHz / 16QAM



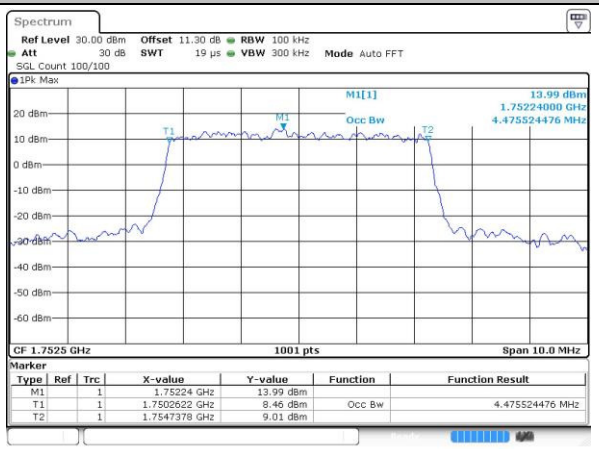
Date: 26.MAY.2016 09:18:01

Highest Channel / 5MHz / QPSK



Date: 26.MAY.2016 09:20:22

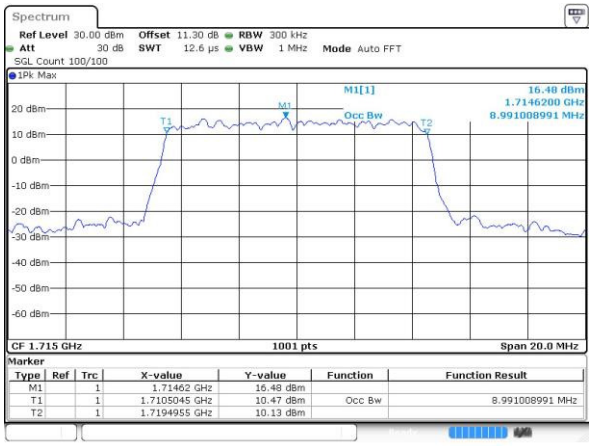
Highest Channel / 5MHz / 16QAM



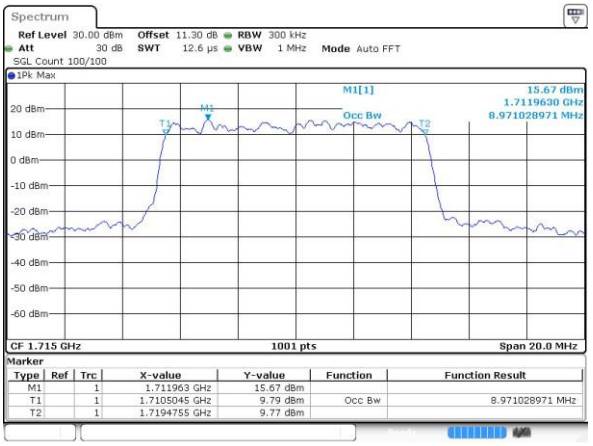
Date: 26.MAY.2016 09:20:33

LTE Band 4

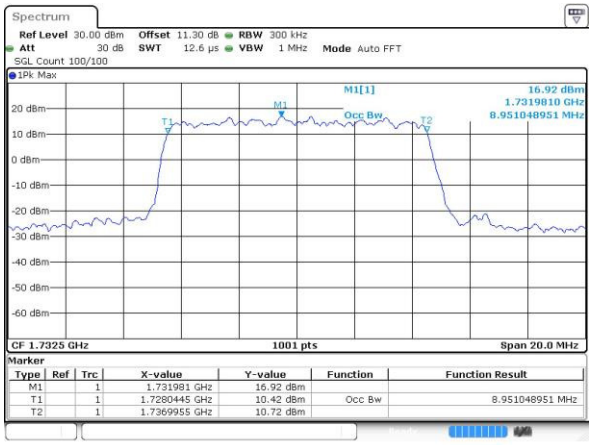
Lowest Channel / 10MHz / QPSK



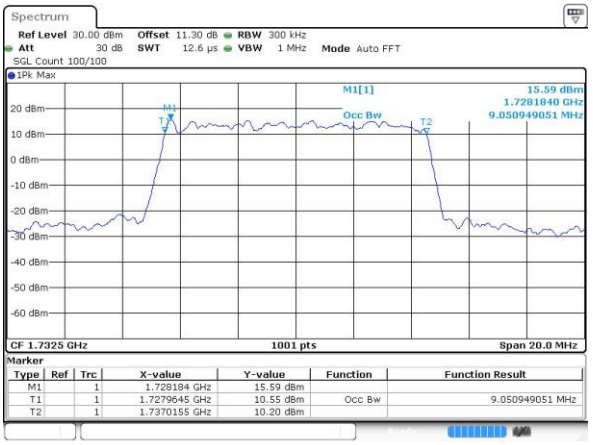
Lowest Channel / 10MHz / 16QAM



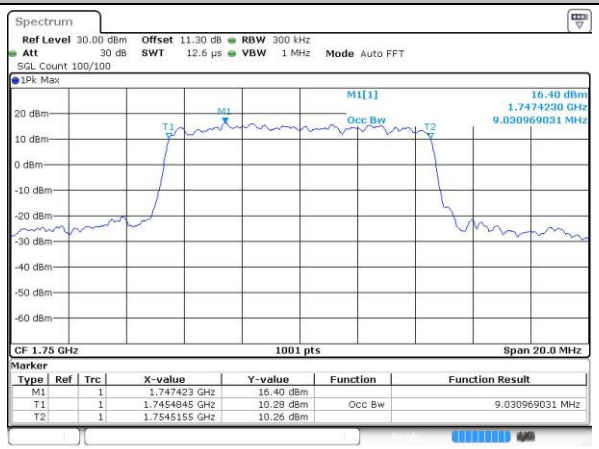
Middle Channel / 10MHz / QPSK



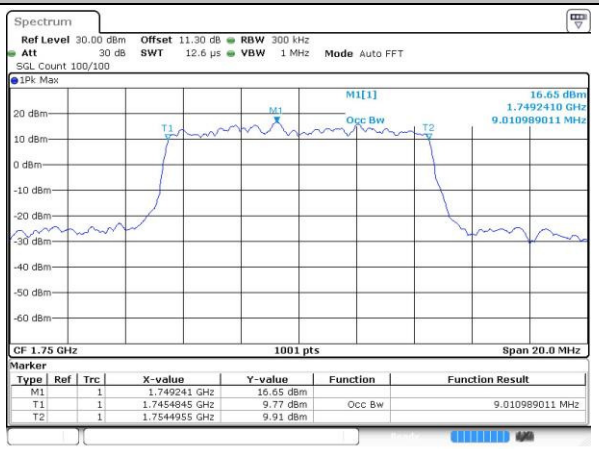
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

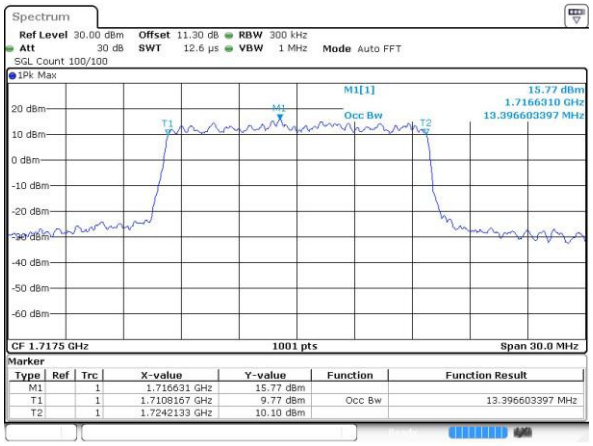


Highest Channel / 10MHz / 16QAM

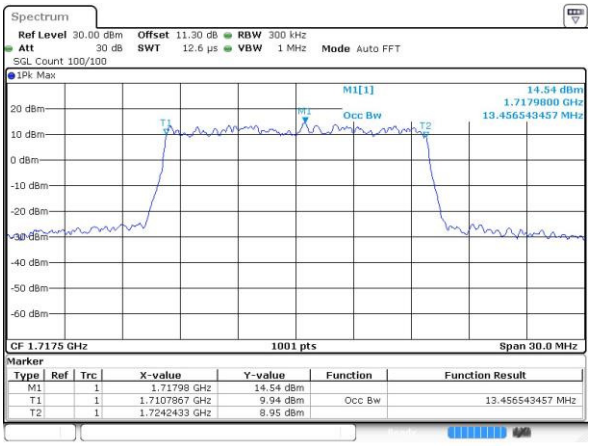


LTE Band 4

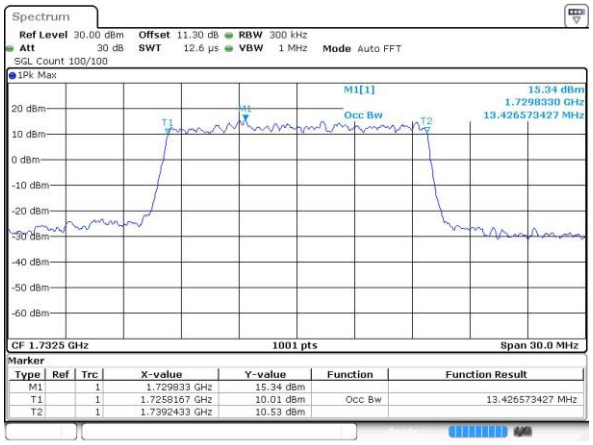
Lowest Channel / 15MHz / QPSK



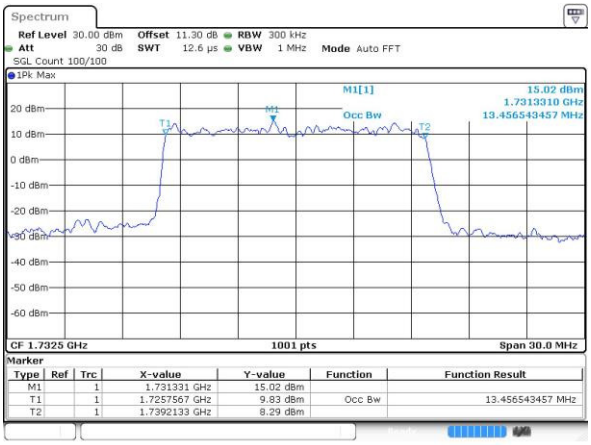
Lowest Channel / 15MHz / 16QAM



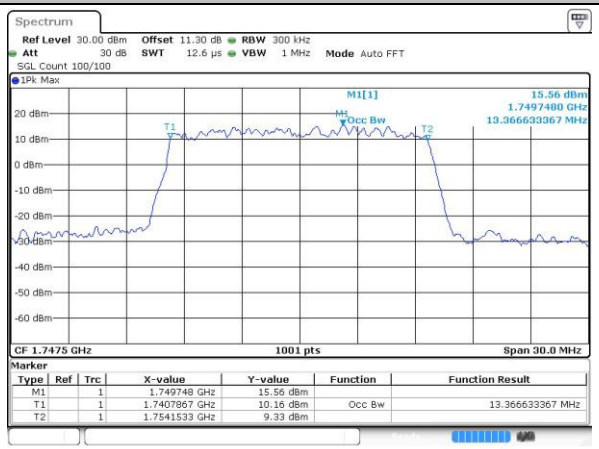
Middle Channel / 15MHz / QPSK



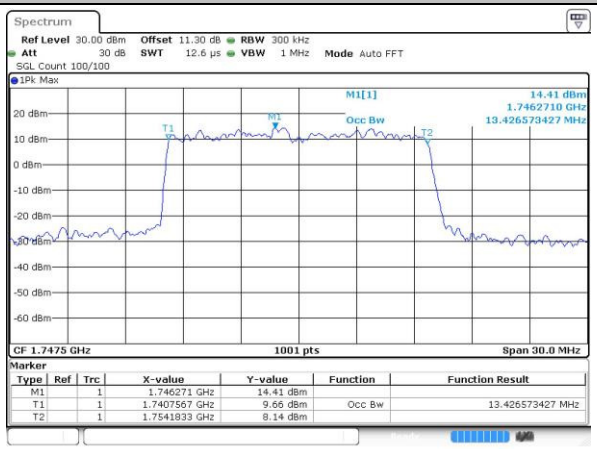
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

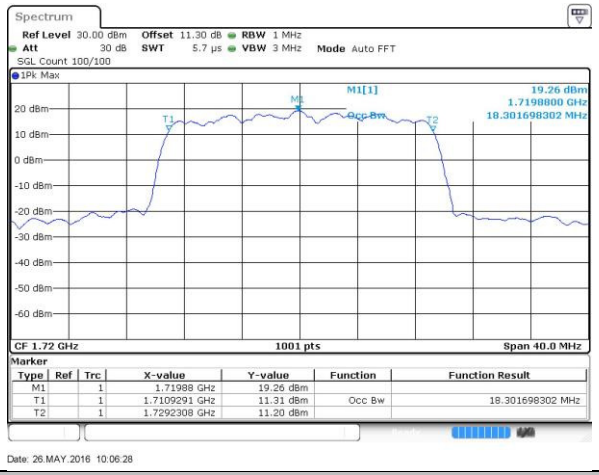


Highest Channel / 15MHz / 16QAM

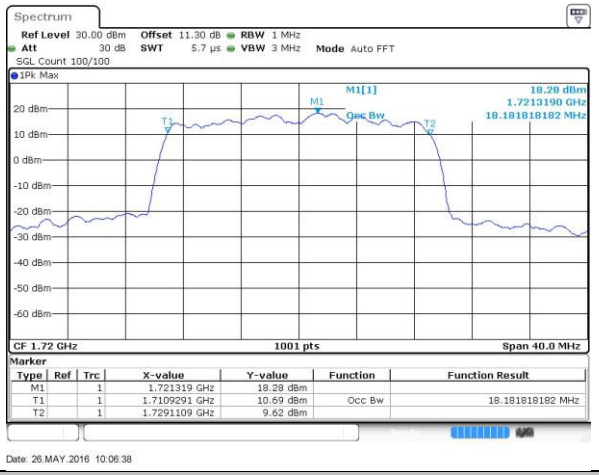


LTE Band 4

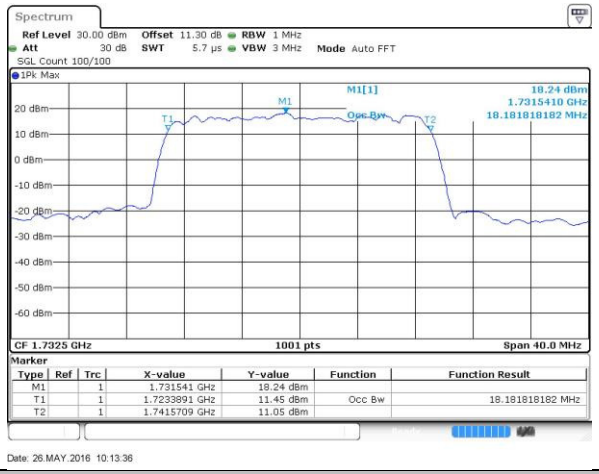
Lowest Channel / 20MHz / QPSK



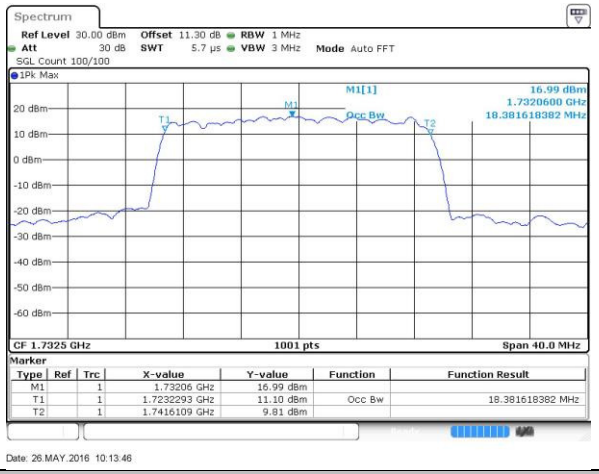
Lowest Channel / 20MHz / 16QAM



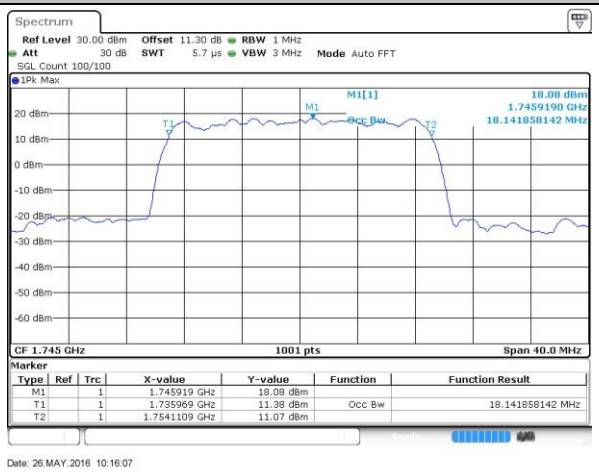
Middle Channel / 20MHz / QPSK



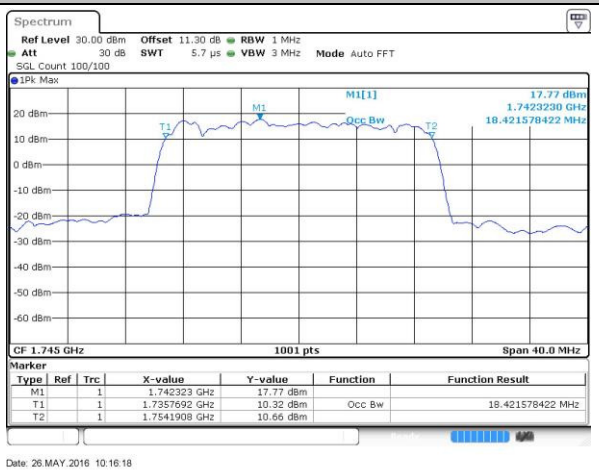
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



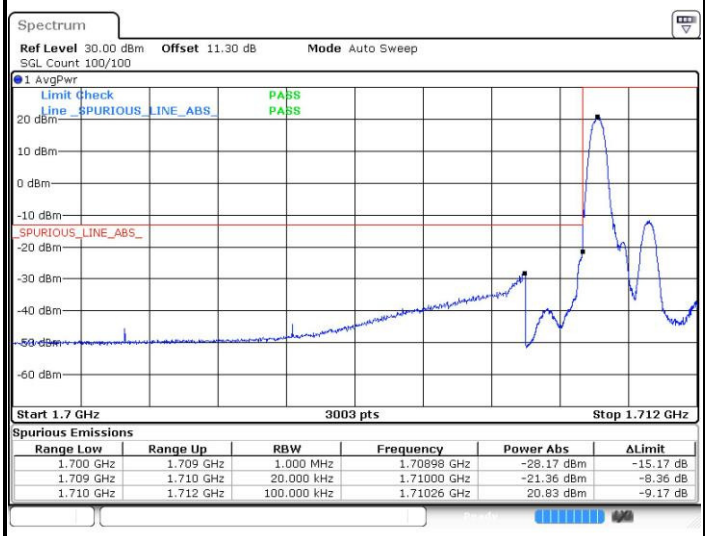
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

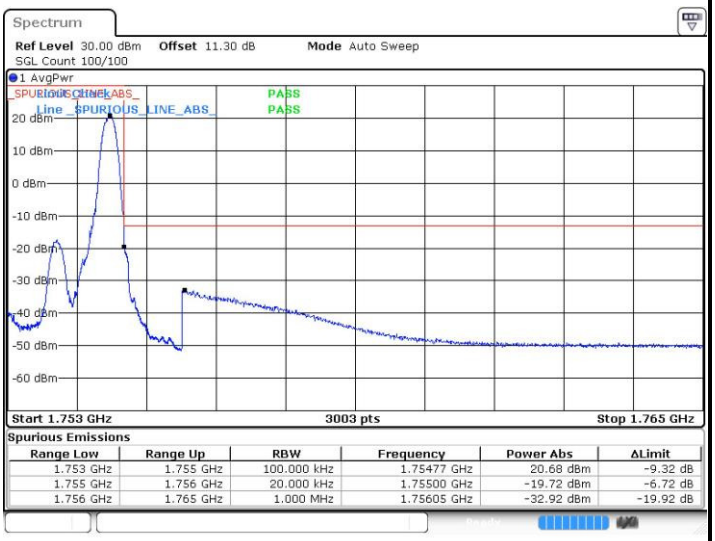


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-28.17 dBm	-15.17 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-21.36 dBm	-8.36 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71026 GHz	20.83 dBm	-9.17 dB

Date: 26.MAY.2016 10:25:40

Highest Band Edge / 1RB

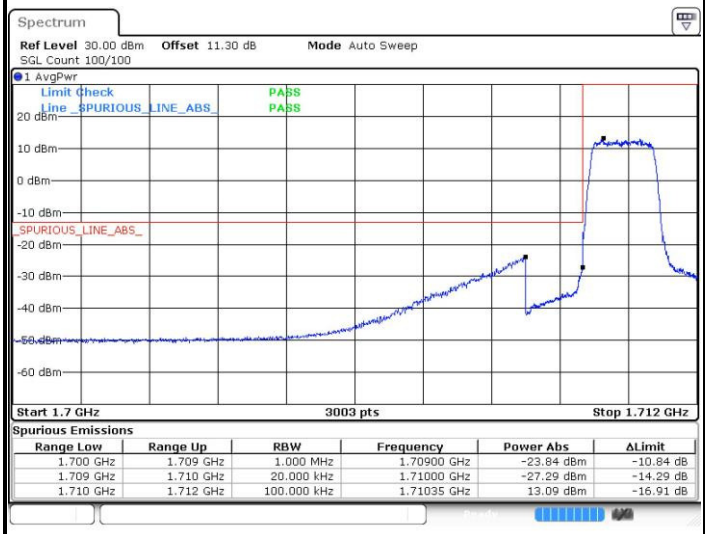


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75477 GHz	20.68 dBm	-9.32 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-19.72 dBm	-6.72 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-32.92 dBm	-19.92 dB

Date: 26.MAY.2016 10:35:23

Lowest Band Edge / Full RB

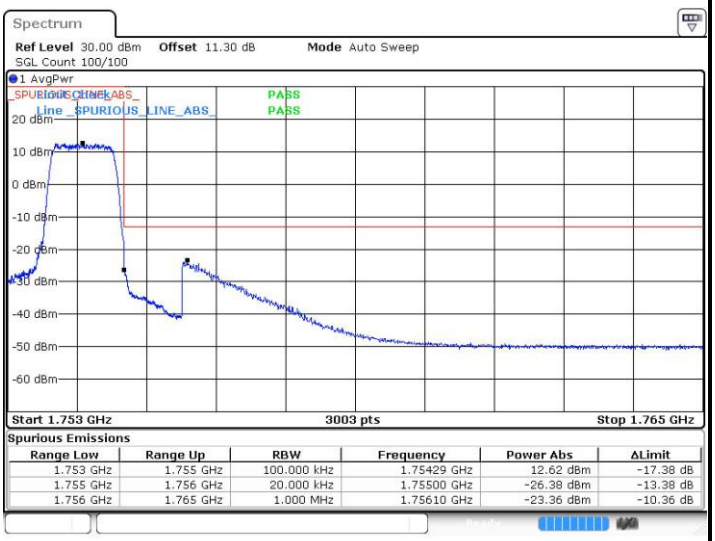


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-23.84 dBm	-10.84 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-27.29 dBm	-14.29 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71035 GHz	13.09 dBm	-16.91 dB

Date: 26.MAY.2016 10:27:59

Highest Band Edge / Full RB



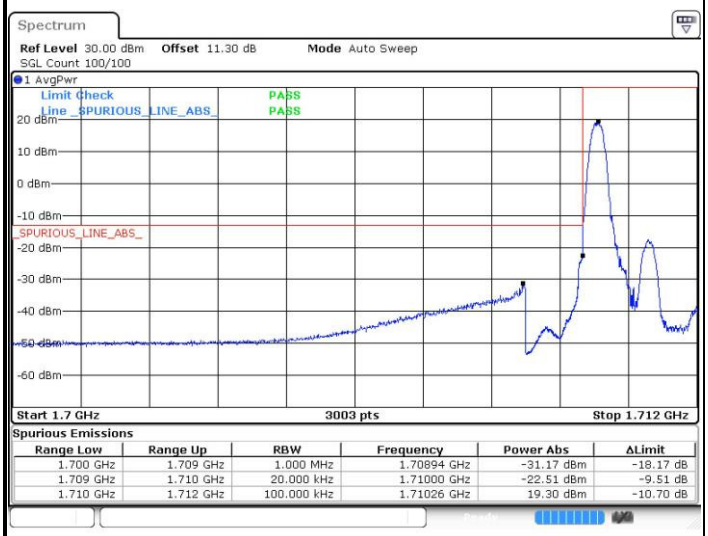
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75429 GHz	12.62 dBm	-17.38 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-26.38 dBm	-13.38 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75610 GHz	-23.36 dBm	-10.36 dB

Date: 26.MAY.2016 10:37:42

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

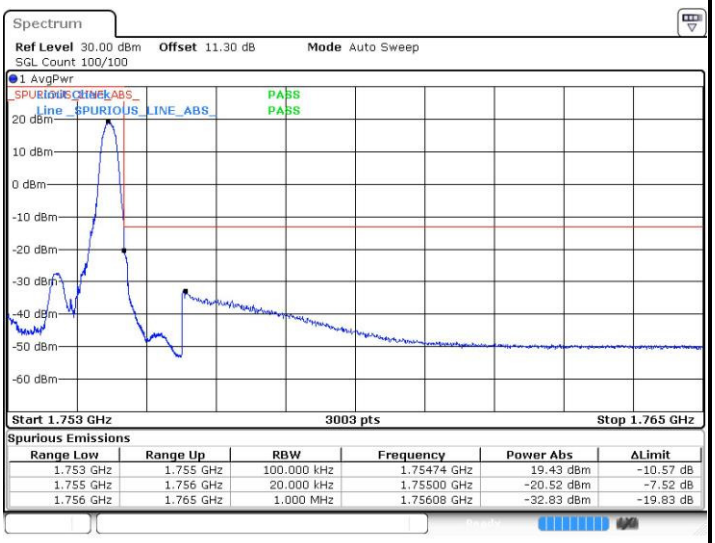


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-31.17 dBm	-18.17 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-22.51 dBm	-9.51 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71026 GHz	19.30 dBm	-10.70 dB

Date: 26.MAY.2016 10:26:50

Highest Band Edge / 1 RB

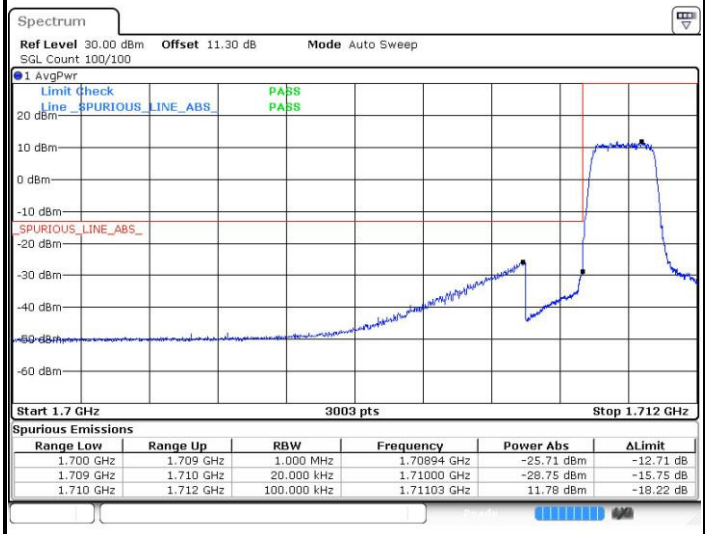


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75474 GHz	19.43 dBm	-10.57 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-20.52 dBm	-7.52 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75608 GHz	-32.83 dBm	-19.83 dB

Date: 26.MAY.2016 10:36:33

Lowest Band Edge / Full RB

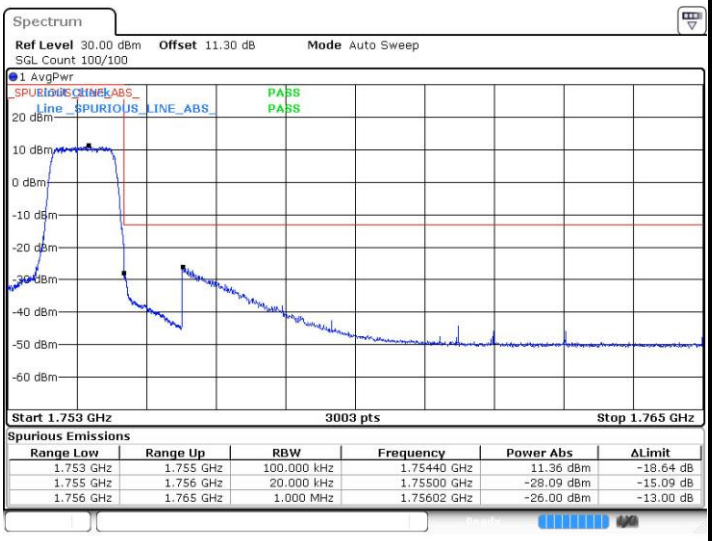


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-25.71 dBm	-12.71 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-28.75 dBm	-15.75 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71103 GHz	11.78 dBm	-18.22 dB

Date: 26.MAY.2016 10:29:08

Highest Band Edge / Full RB



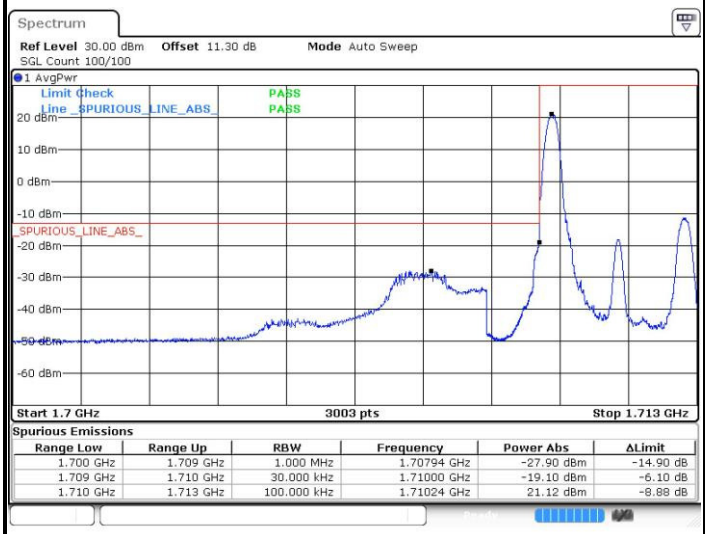
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75440 GHz	11.36 dBm	-18.64 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-28.09 dBm	-15.09 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75602 GHz	-26.00 dBm	-13.00 dB

Date: 26.MAY.2016 10:38:51

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

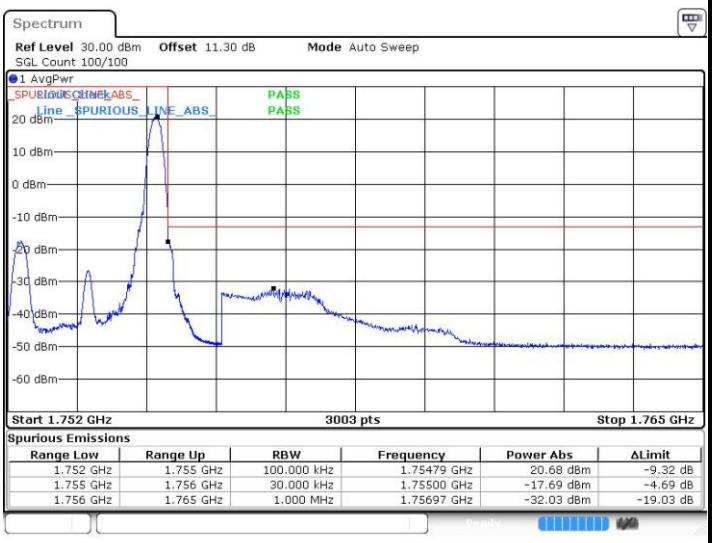


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70794 GHz	-27.90 dBm	-14.90 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-19.10 dBm	-6.10 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71024 GHz	21.12 dBm	-8.88 dB

Date: 26.MAY.2016 08:55:33

Highest Band Edge / 1 RB

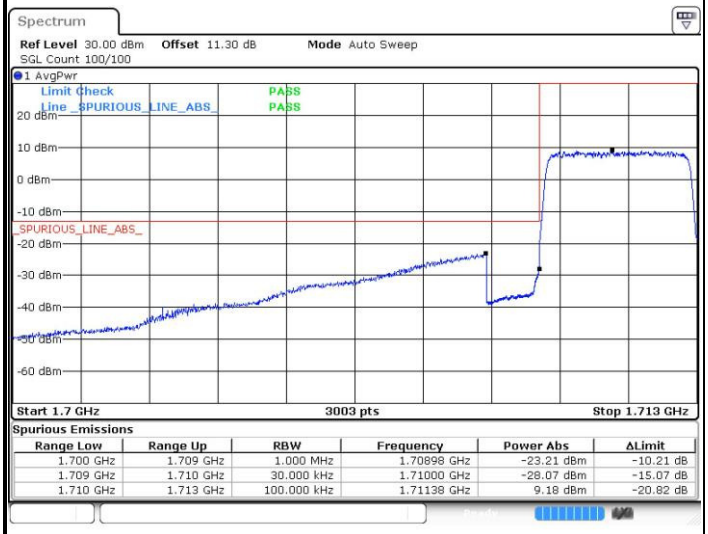


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75479 GHz	20.68 dBm	-9.32 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-17.69 dBm	-4.69 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75697 GHz	-32.03 dBm	-19.03 dB

Date: 26.MAY.2016 09:05:13

Lowest Band Edge / Full RB

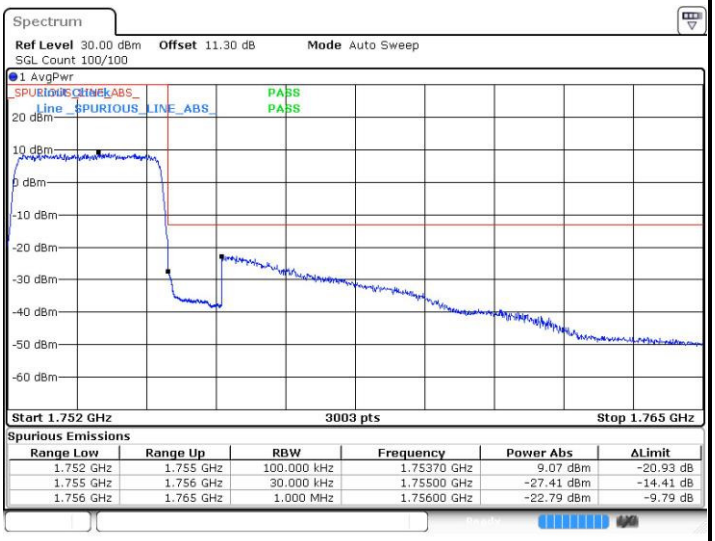


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-23.21 dBm	-10.21 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-28.07 dBm	-15.07 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71138 GHz	9.18 dBm	-20.82 dB

Date: 26.MAY.2016 08:57:51

Highest Band Edge / Full RB



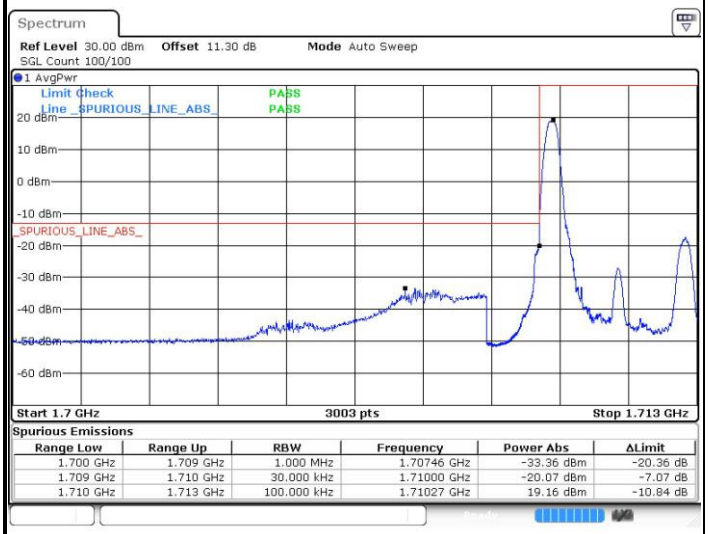
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75370 GHz	9.07 dBm	-20.93 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-27.41 dBm	-14.41 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-22.79 dBm	-9.79 dB

Date: 26.MAY.2016 09:07:32

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

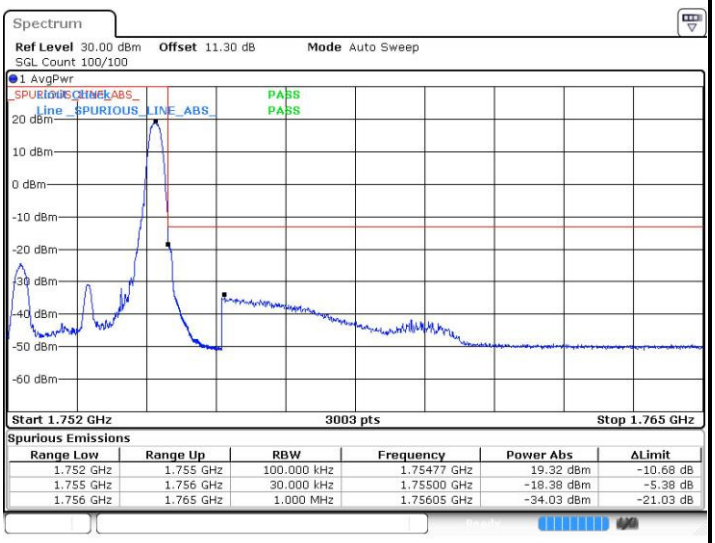


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70746 GHz	-33.36 dBm	-20.36 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-20.07 dBm	-7.07 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71027 GHz	19.16 dBm	-10.84 dB

Date: 26.MAY.2016 08:56:42

Highest Band Edge /1 RB

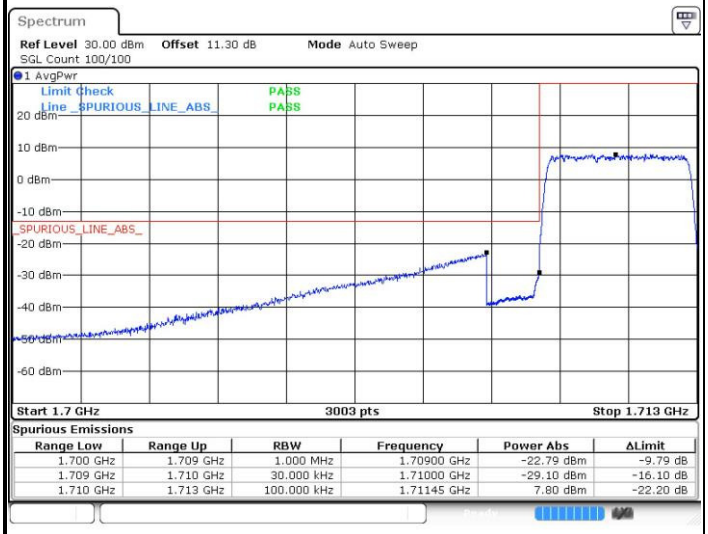


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75477 GHz	19.32 dBm	-10.68 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-18.38 dBm	-5.38 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-34.03 dBm	-21.03 dB

Date: 26.MAY.2016 09:06:23

Lowest Band Edge / Full RB

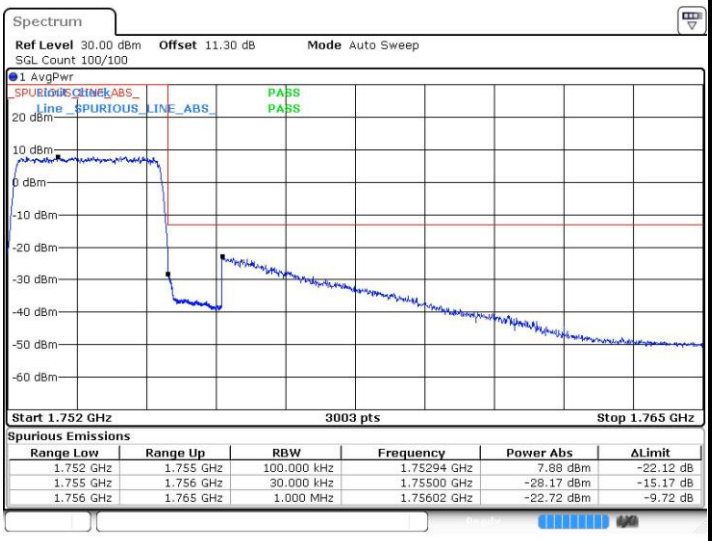


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-22.79 dBm	-9.79 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-29.10 dBm	-16.10 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71145 GHz	7.80 dBm	-22.20 dB

Date: 26.MAY.2016 08:59:00

Highest Band Edge / Full RB



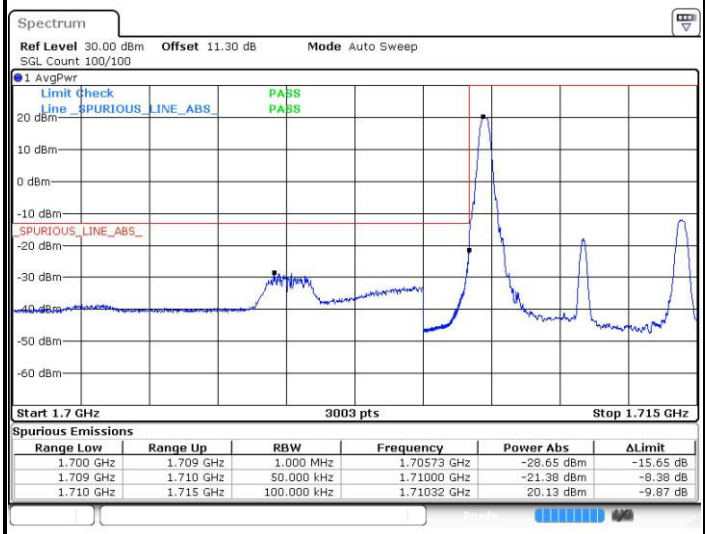
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75294 GHz	7.88 dBm	-22.12 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	1.75602 GHz	-22.72 dBm	-9.72 dB

Date: 26.MAY.2016 09:08:41

LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB

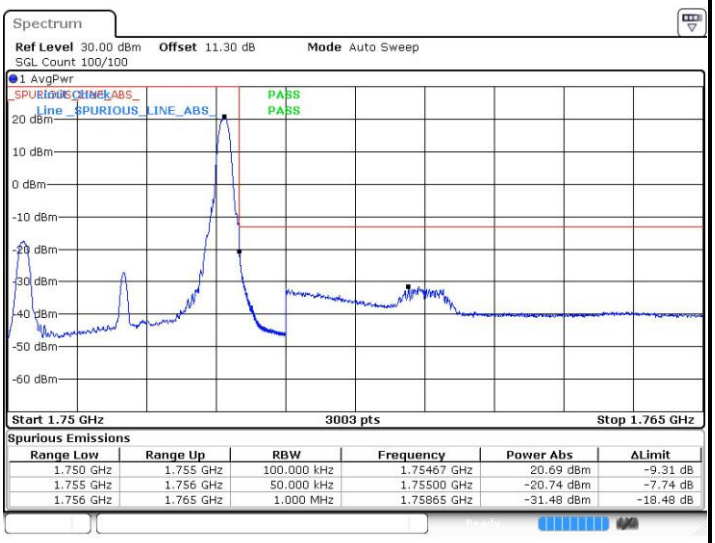


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70573 GHz	-28.65 dBm	-15.65 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-21.38 dBm	-8.38 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71032 GHz	20.13 dBm	-9.87 dB

Date: 26.MAY.2016 09:12:22

Highest Band Edge / 1 RB

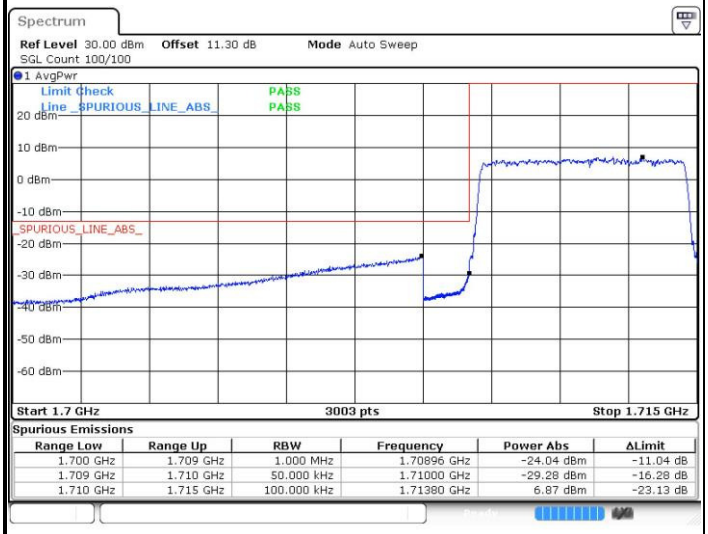


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75467 GHz	20.69 dBm	-9.31 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-20.74 dBm	-7.74 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75865 GHz	-31.48 dBm	-18.48 dB

Date: 26.MAY.2016 09:22:03

Lowest Band Edge / Full RB

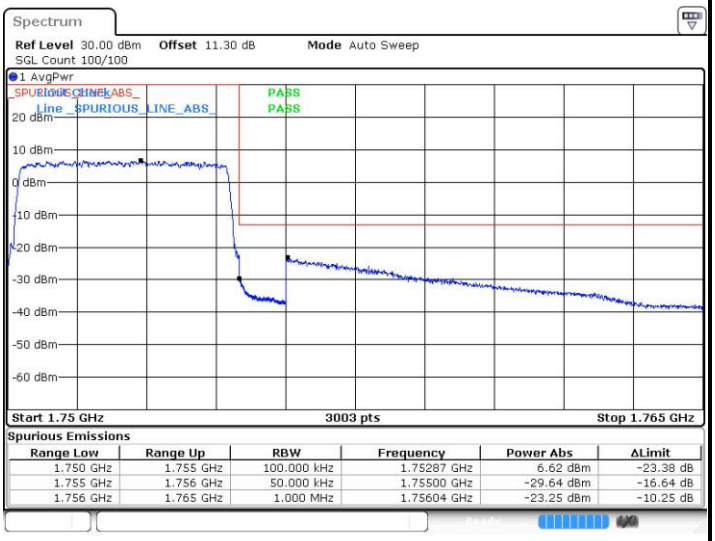


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-24.04 dBm	-11.04 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-29.28 dBm	-16.28 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71380 GHz	6.87 dBm	-23.13 dB

Date: 26.MAY.2016 09:14:41

Highest Band Edge / Full RB



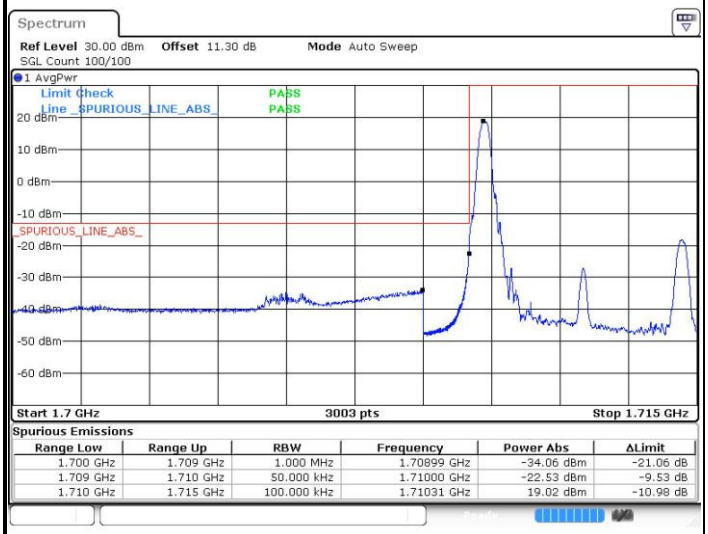
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75287 GHz	6.62 dBm	-23.38 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-29.64 dBm	-16.64 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-23.25 dBm	-10.25 dB

Date: 26.MAY.2016 09:24:22

LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB

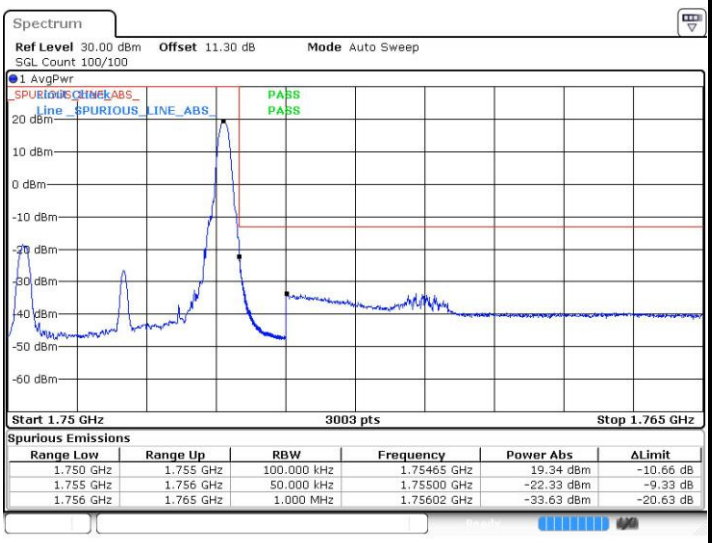


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-34.06 dBm	-21.06 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-22.53 dBm	-9.53 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71031 GHz	19.02 dBm	-10.98 dB

Date: 26.MAY.2016 09:13:32

Highest Band Edge / 1 RB

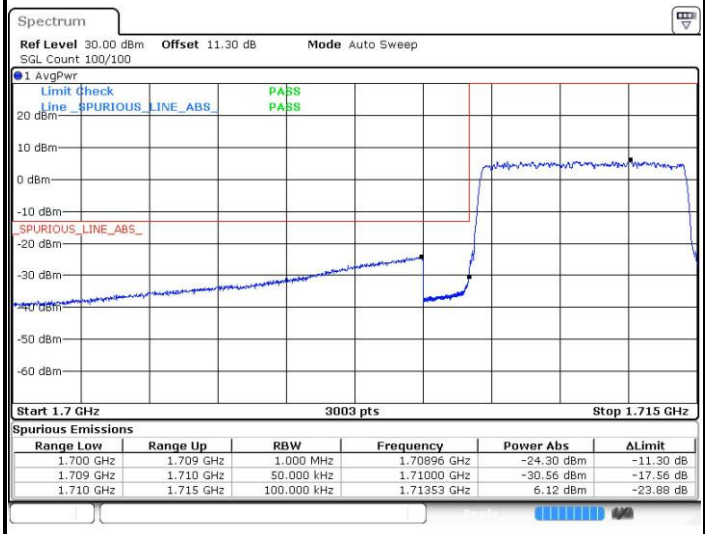


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75465 GHz	19.34 dBm	-10.66 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-22.33 dBm	-9.33 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75602 GHz	-33.63 dBm	-20.63 dB

Date: 26.MAY.2016 09:23:12

Lowest Band Edge / Full RB

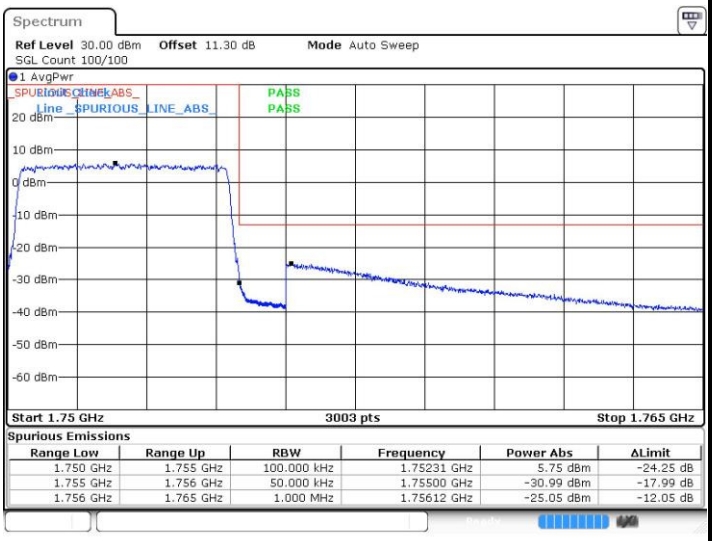


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-24.30 dBm	-11.30 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-30.56 dBm	-17.56 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71353 GHz	6.12 dBm	-23.88 dB

Date: 26.MAY.2016 09:15:50

Highest Band Edge / Full RB



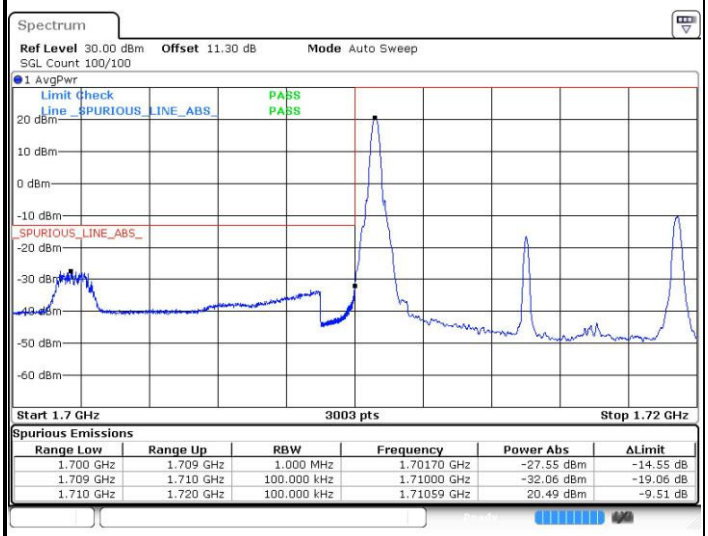
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75231 GHz	5.75 dBm	-24.25 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-30.99 dBm	-17.99 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75612 GHz	-25.05 dBm	-12.05 dB

Date: 26.MAY.2016 09:25:31

LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB

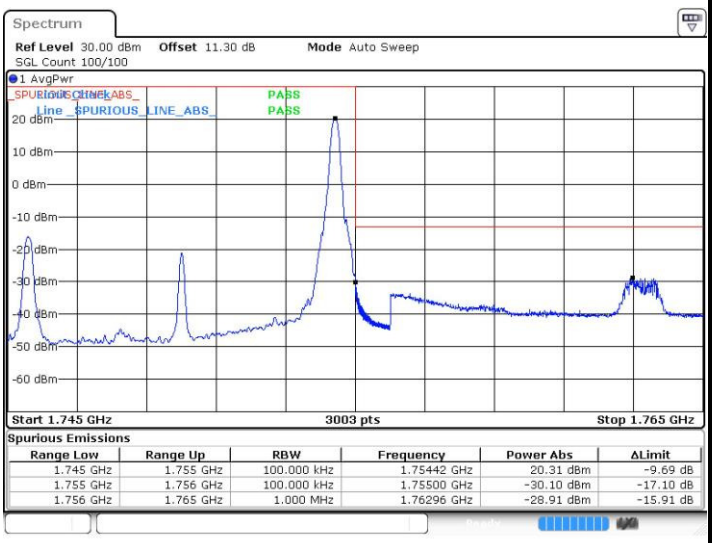


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70170 GHz	-27.55 dBm	-14.55 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-32.06 dBm	-19.06 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71059 GHz	20.49 dBm	-9.51 dB

Date: 26.MAY.2016 09:29:12

Highest Band Edge / 1 RB

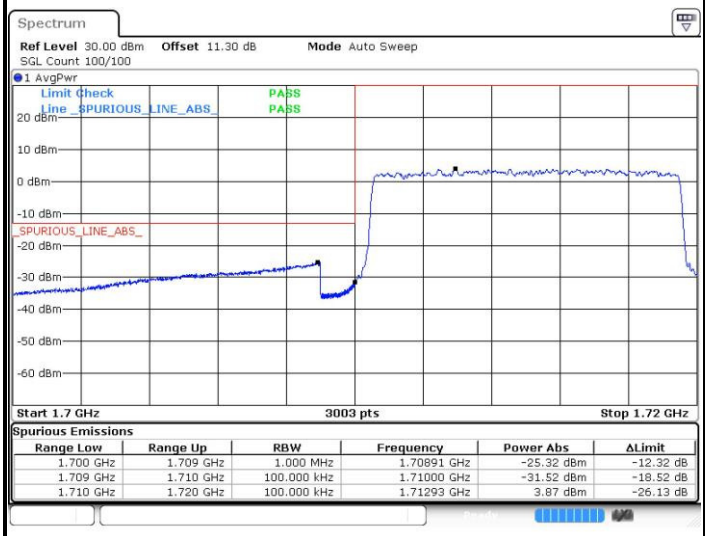


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75442 GHz	20.31 dBm	-9.69 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-30.10 dBm	-17.10 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.76296 GHz	-28.91 dBm	-15.91 dB

Date: 26.MAY.2016 09:38:54

Lowest Band Edge / Full RB

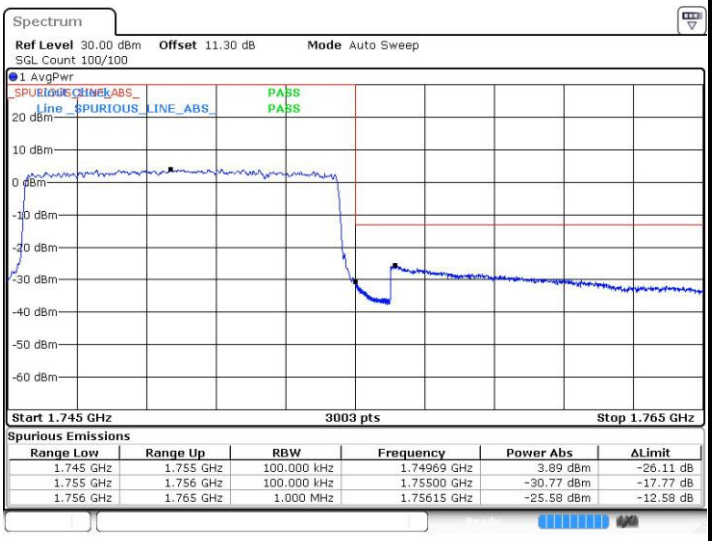


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70891 GHz	-25.32 dBm	-12.32 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-31.52 dBm	-18.52 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71293 GHz	3.87 dBm	-26.13 dB

Date: 26.MAY.2016 09:31:31

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	1.74969 GHz	3.89 dBm	-26.11 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-30.77 dBm	-17.77 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75615 GHz	-25.58 dBm	-12.58 dB

Date: 26.MAY.2016 09:41:12