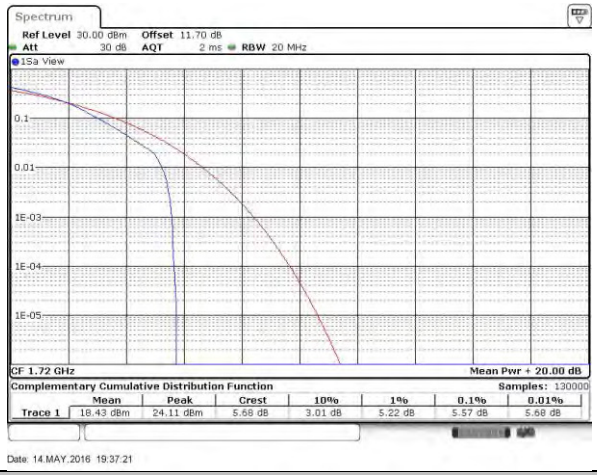
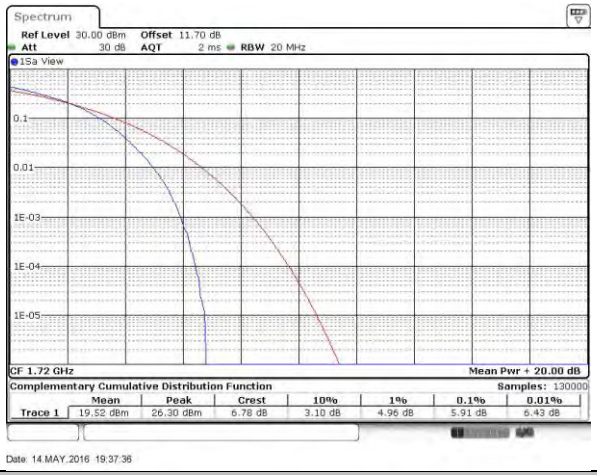
LTE Band 4 / 20MHz / 16QAM

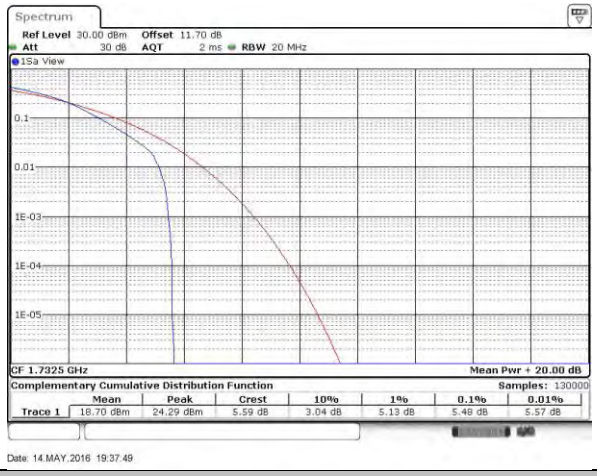
Lowest Channel / 1RB



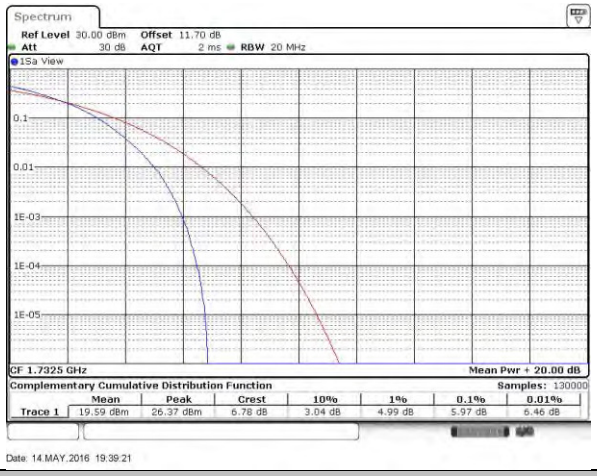
Lowest Channel / Full RB



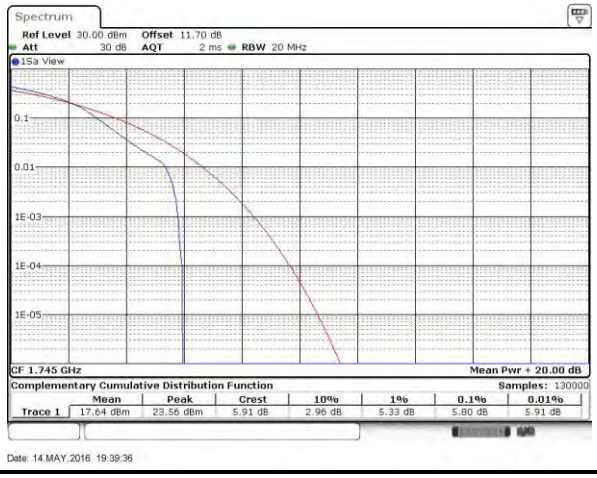
Middle Channel / 1RB



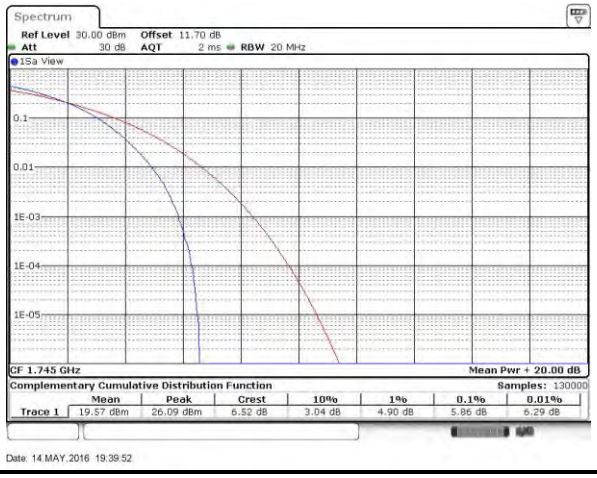
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

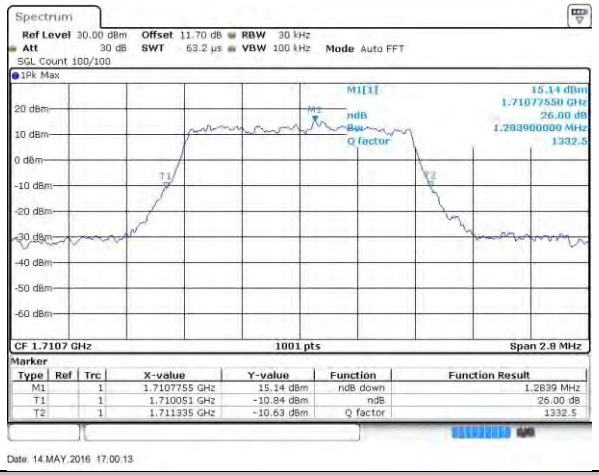


26dB Bandwidth

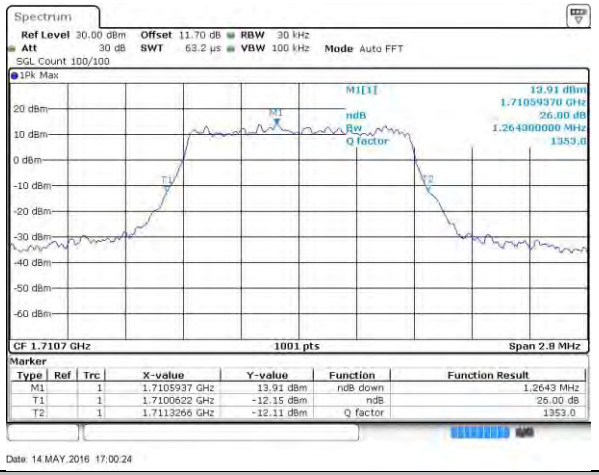
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.28	1.26	2.99	2.96	4.87	4.91	9.79	9.77	14.24	14.33	20.06	20.18
Middle CH	1.29	1.28	3.00	3.00	4.90	5.00	9.83	9.71	14.45	14.37	20.06	20.10
Highest CH	1.26	1.26	3.03	3.01	4.92	4.88	9.93	9.63	14.54	14.54	20.02	20.22

LTE Band 4

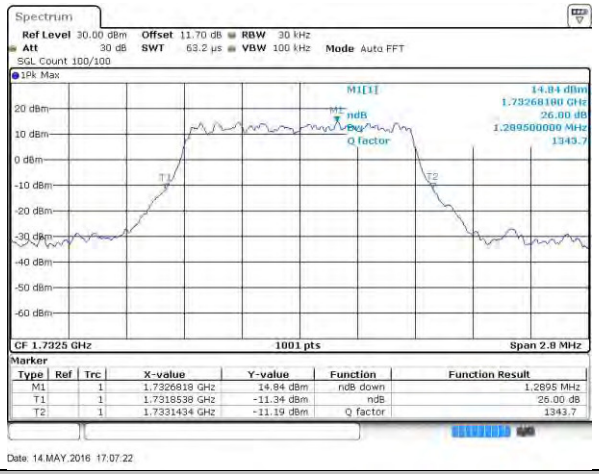
Lowest Channel / 1.4MHz / QPSK



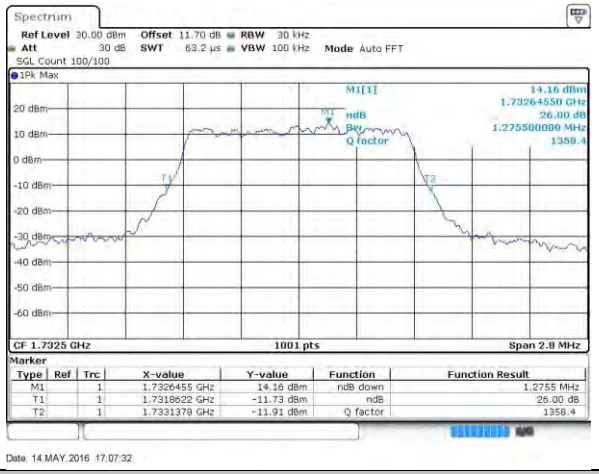
Lowest Channel / 1.4MHz / 16QAM



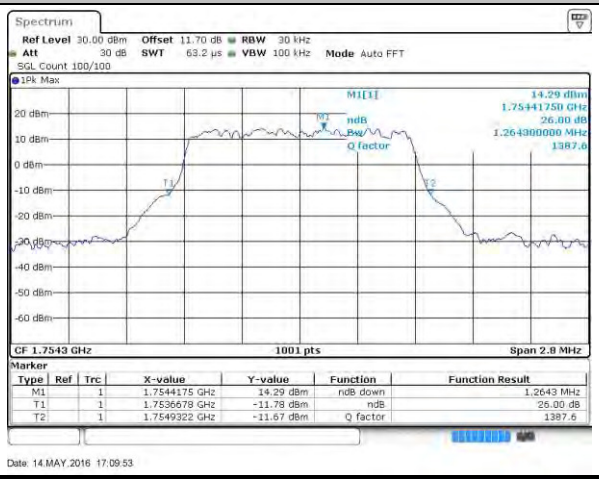
Middle Channel / 1.4MHz / QPSK



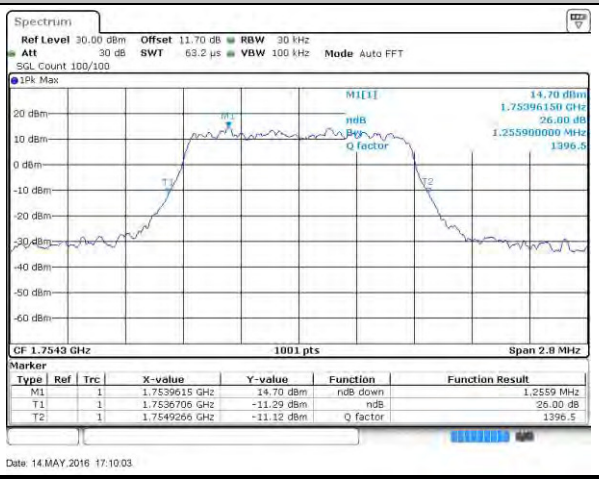
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

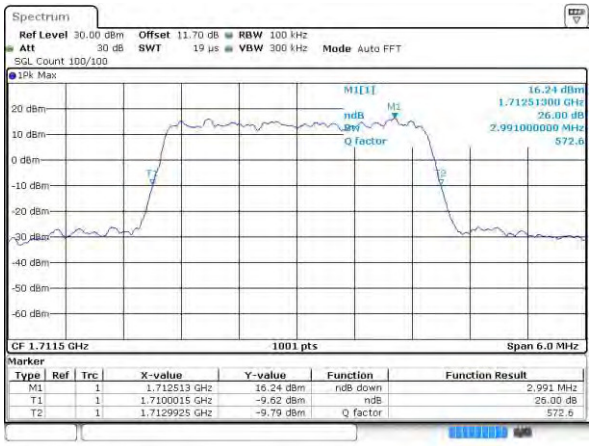


Highest Channel / 1.4MHz / 16QAM

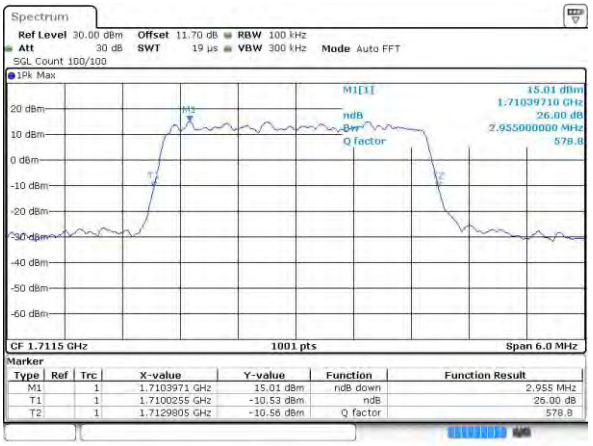


LTE Band 4

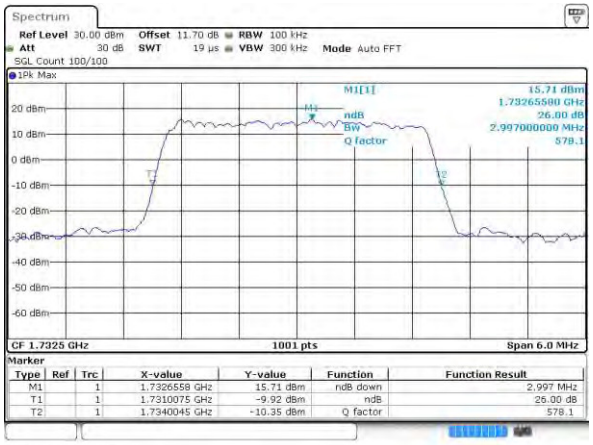
Lowest Channel / 3MHz / QPSK



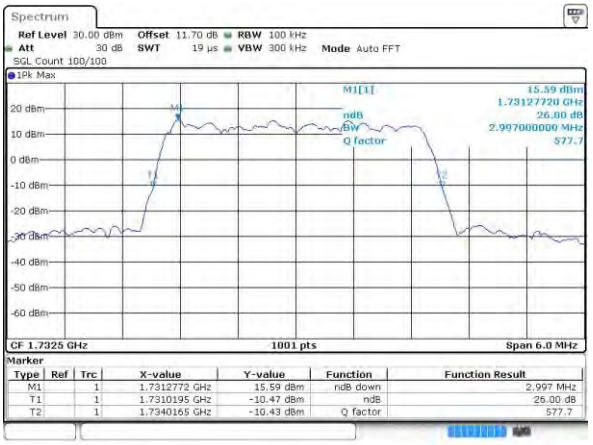
Lowest Channel / 3MHz / 16QAM



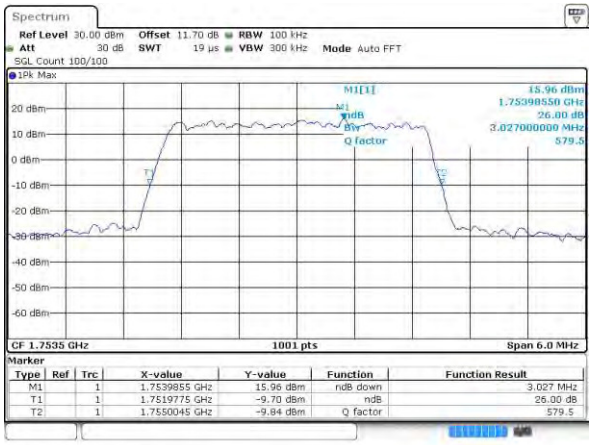
Middle Channel / 3MHz / QPSK



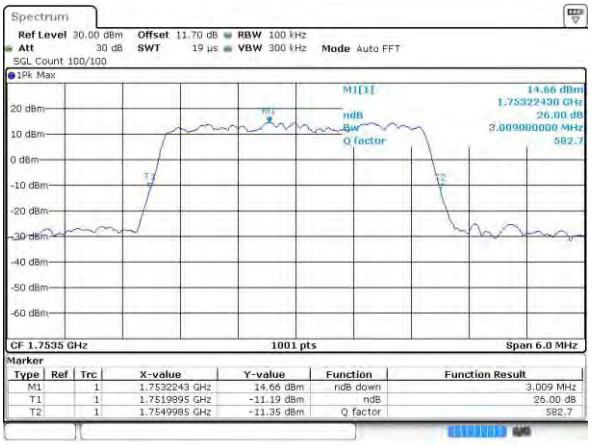
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

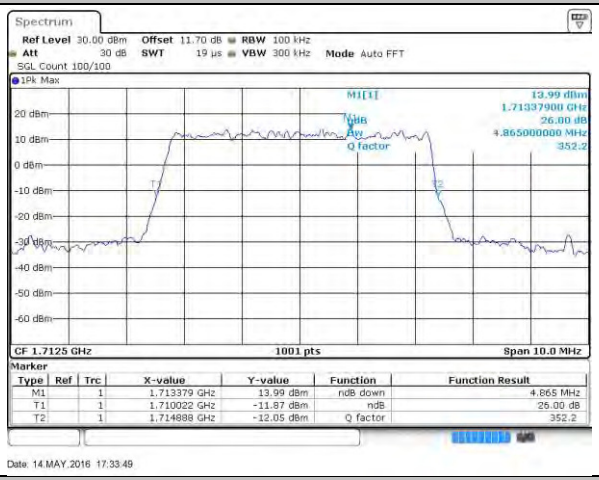


Highest Channel /3MHz / 16QAM

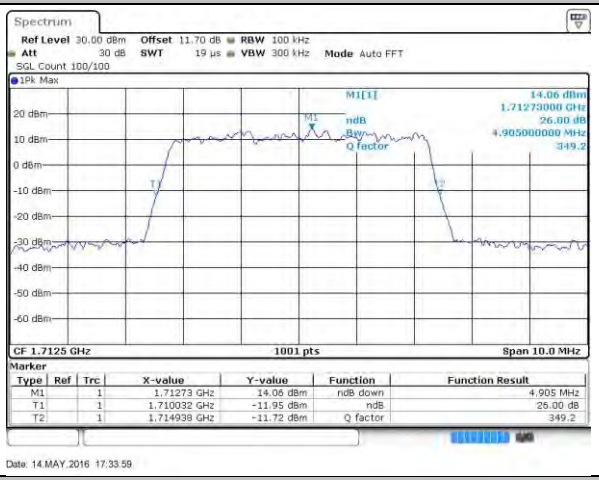


LTE Band 4

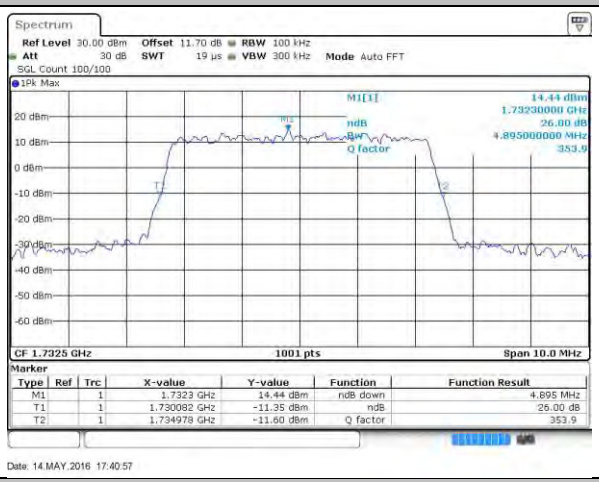
Lowest Channel / 5MHz / QPSK



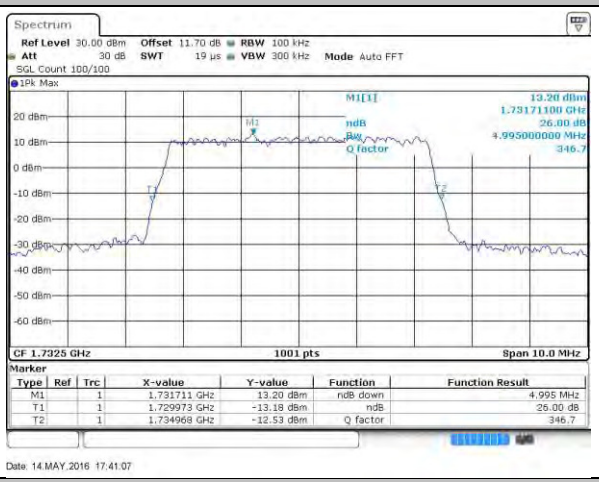
Lowest Channel / 5MHz / 16QAM



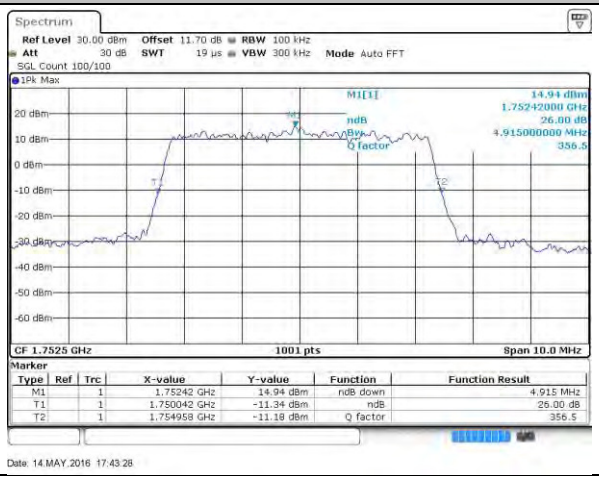
Middle Channel / 5MHz / QPSK



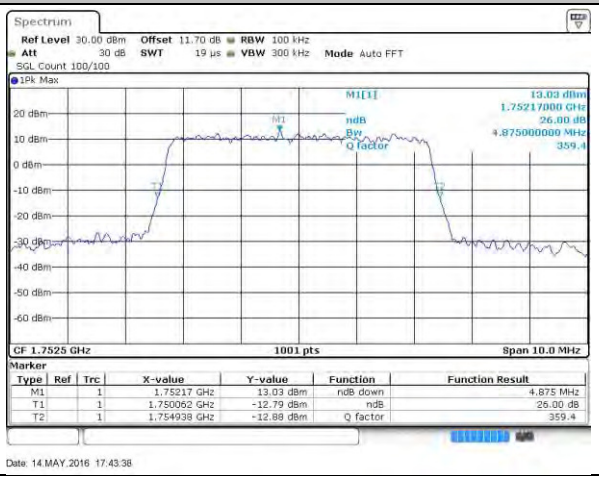
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

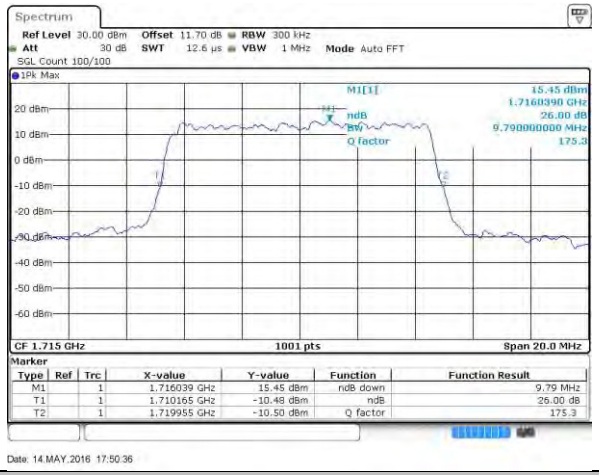


Highest Channel / 5MHz / 16QAM

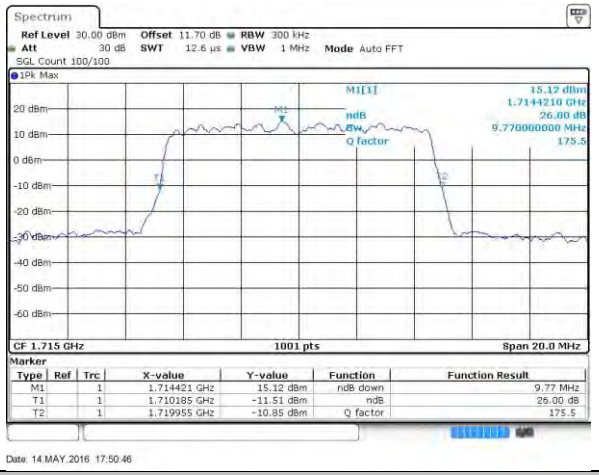


LTE Band 4

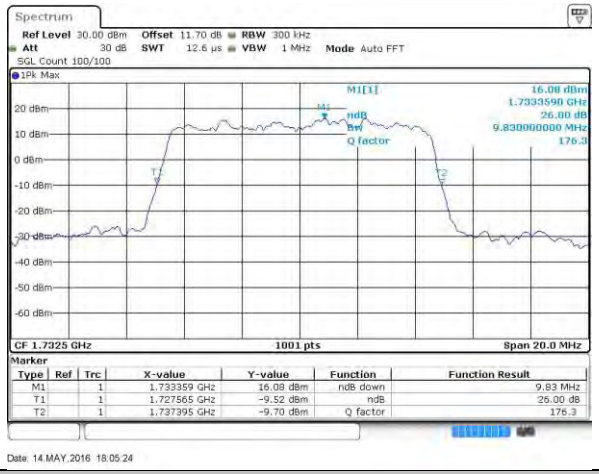
Lowest Channel / 10MHz / QPSK



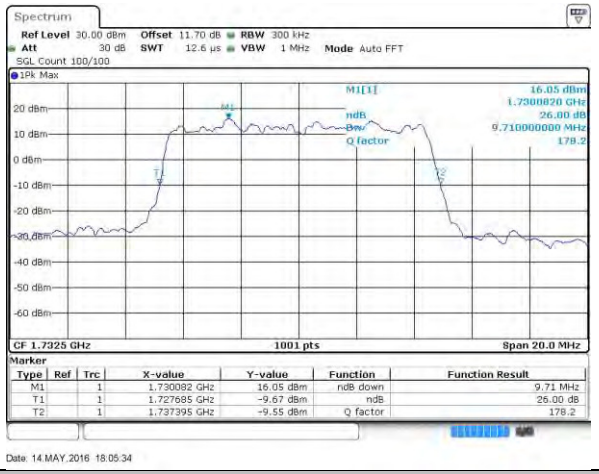
Lowest Channel / 10MHz / 16QAM



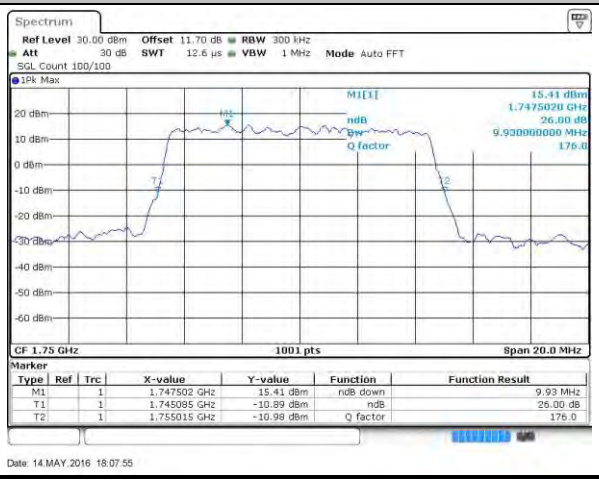
Middle Channel / 10MHz / QPSK



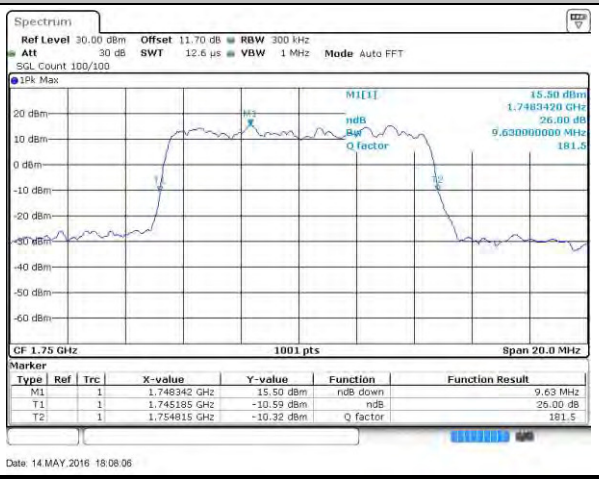
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

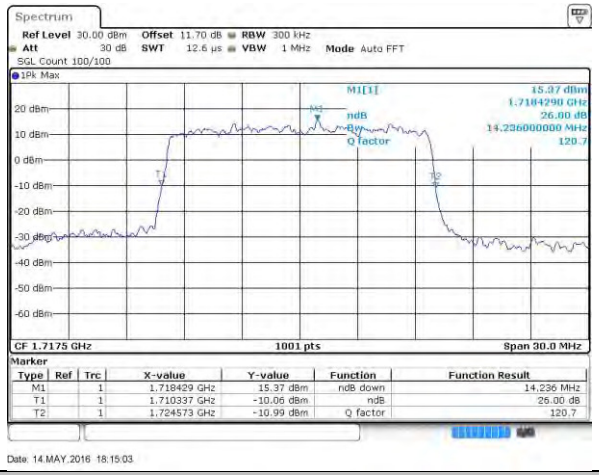


Highest Channel / 10MHz / 16QAM

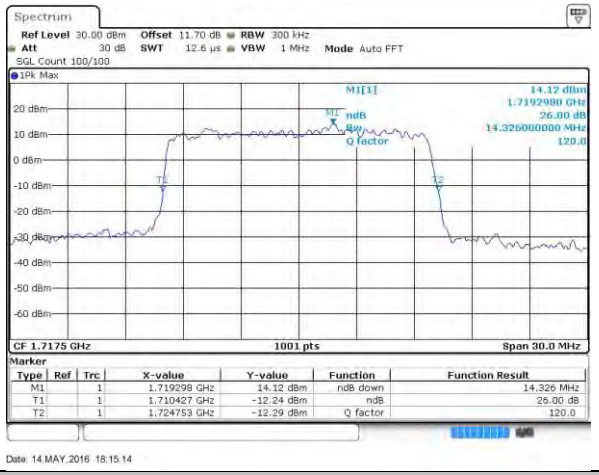


LTE Band 4

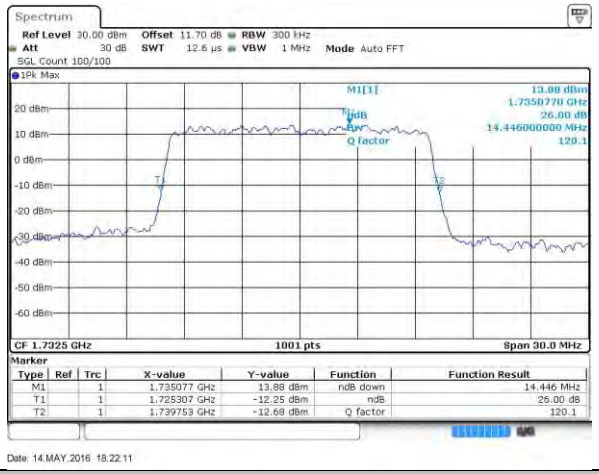
Lowest Channel / 15MHz / QPSK



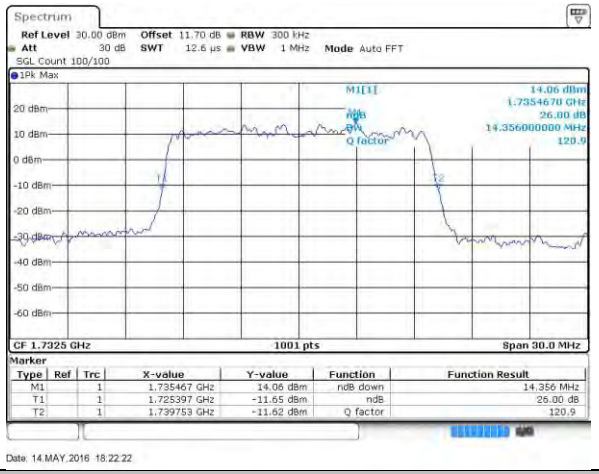
Lowest Channel / 15MHz / 16QAM



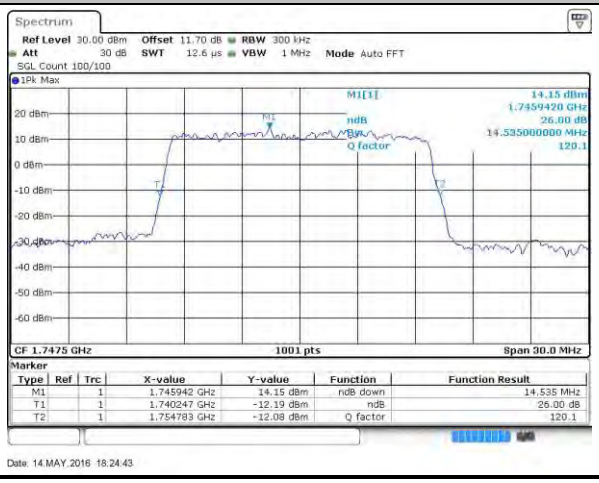
Middle Channel / 15MHz / QPSK



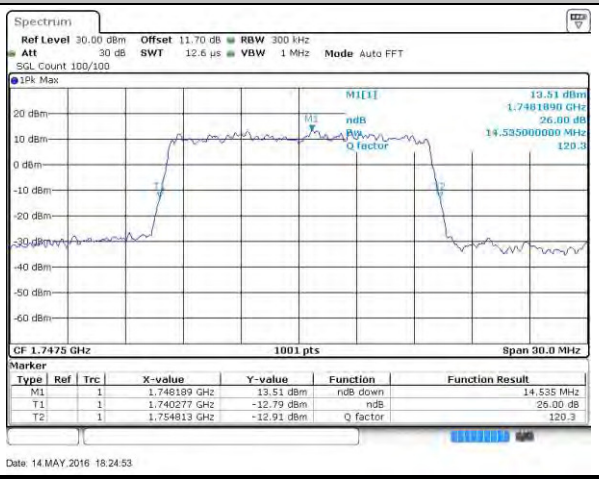
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

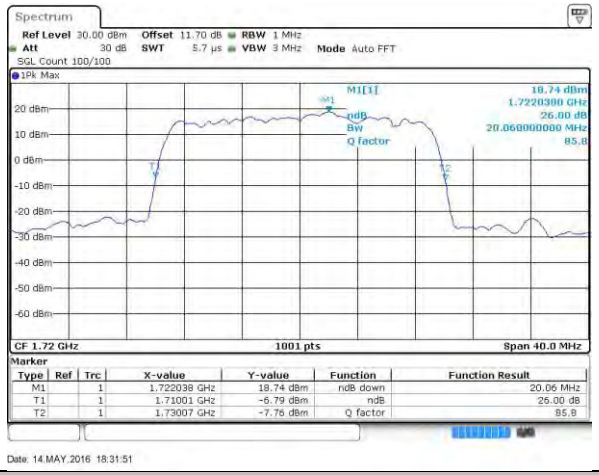


Highest Channel / 15MHz / 16QAM

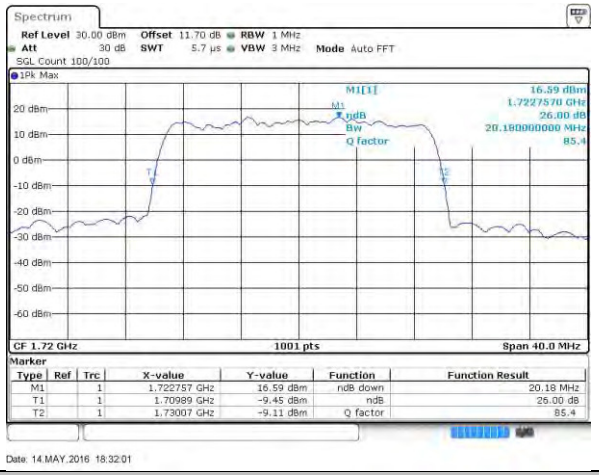


LTE Band 4

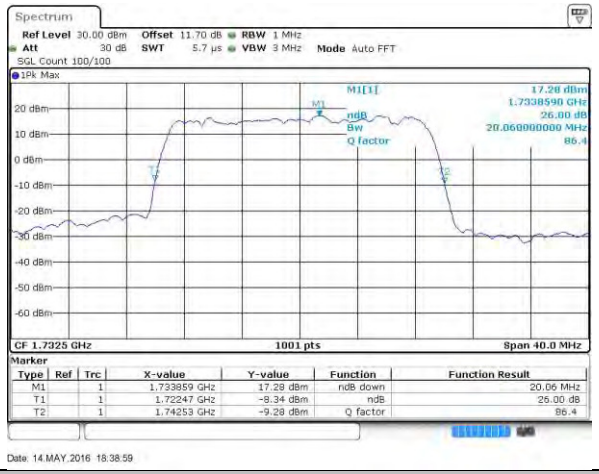
Lowest Channel / 20MHz / QPSK



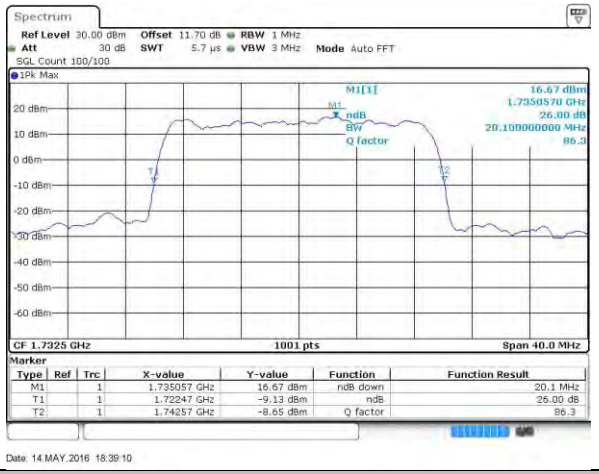
Lowest Channel / 20MHz / 16QAM



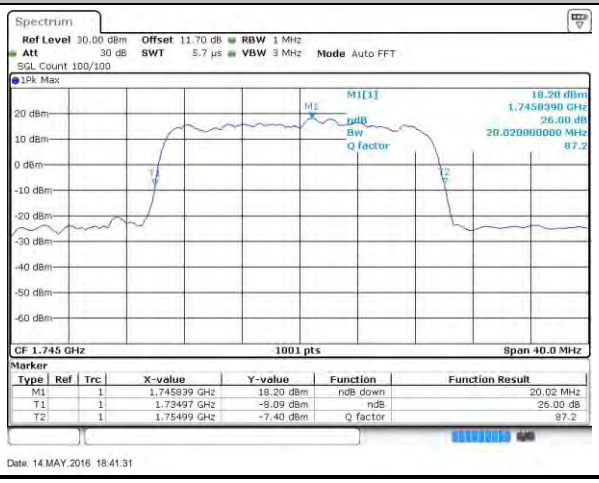
Middle Channel / 20MHz / QPSK



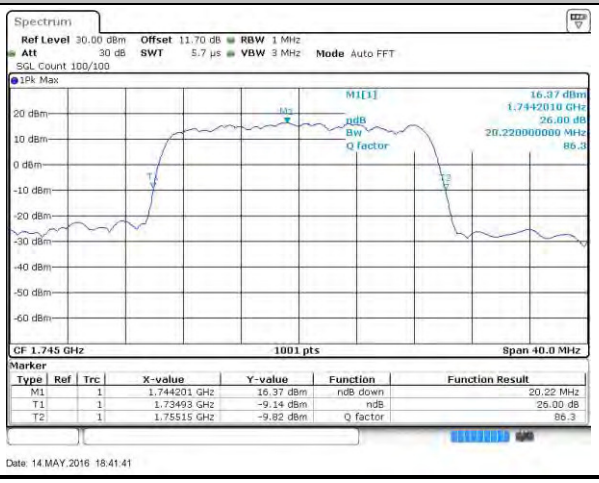
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

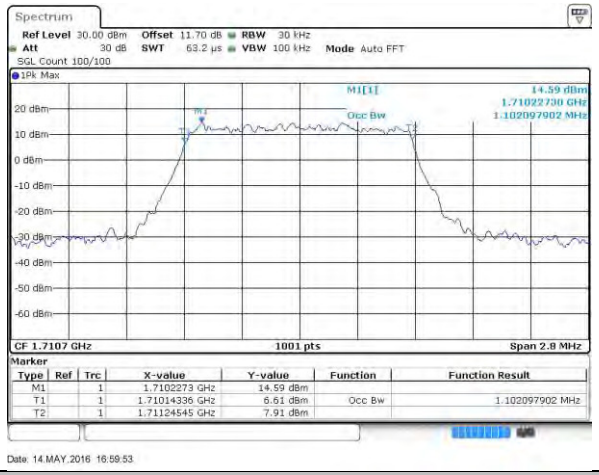


Occupied Bandwidth

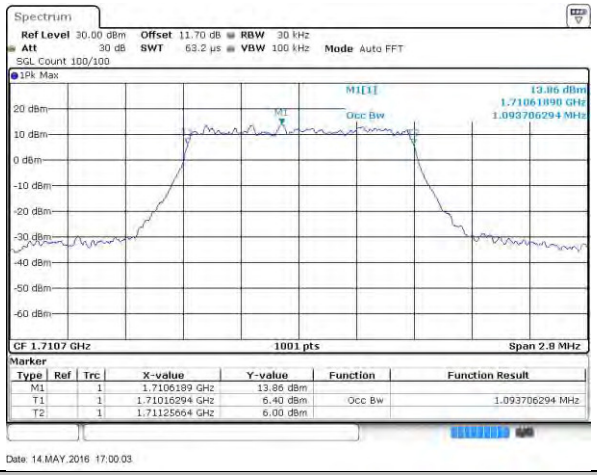
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.10	1.09	2.72	2.72	4.48	4.49	9.03	9.05	13.40	13.34	18.26	18.22
Middle CH	1.09	1.09	2.72	2.73	4.51	4.48	9.01	8.99	13.40	13.40	18.34	18.22
Highest CH	1.09	1.09	2.72	2.70	4.50	4.50	9.01	8.97	13.34	13.40	18.22	18.26

LTE Band 4

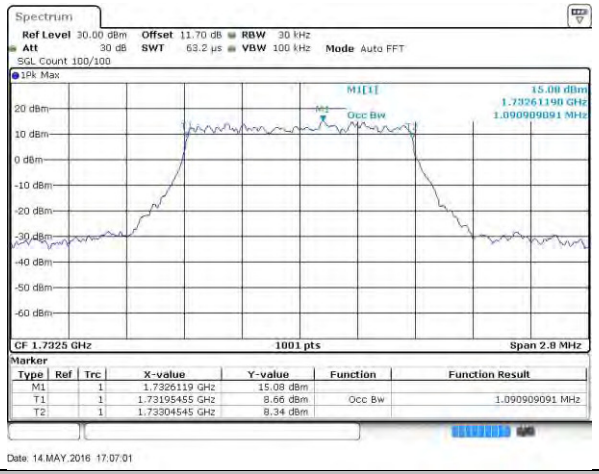
Lowest Channel / 1.4MHz / QPSK



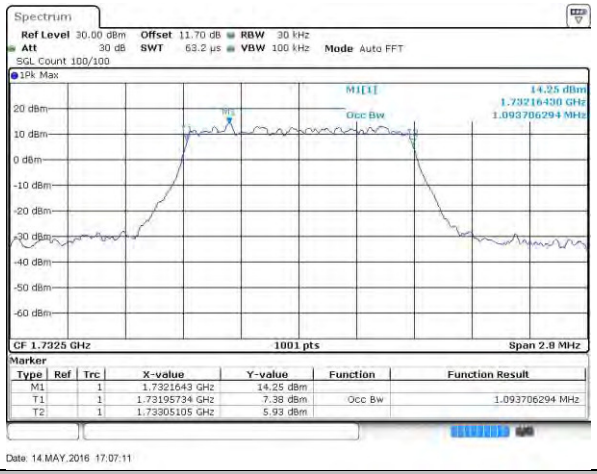
Lowest Channel / 1.4MHz / 16QAM



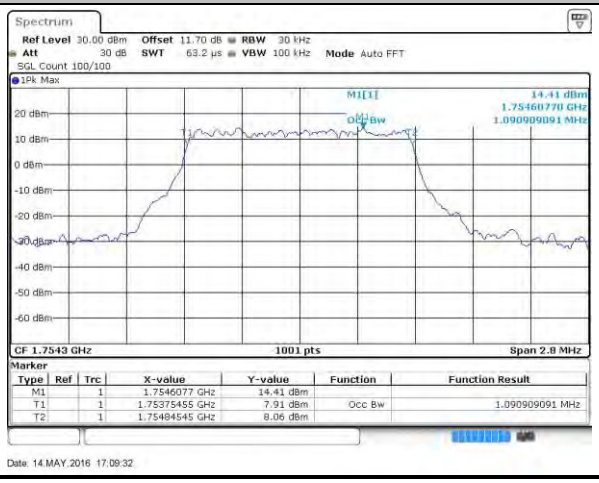
Middle Channel / 1.4MHz / QPSK



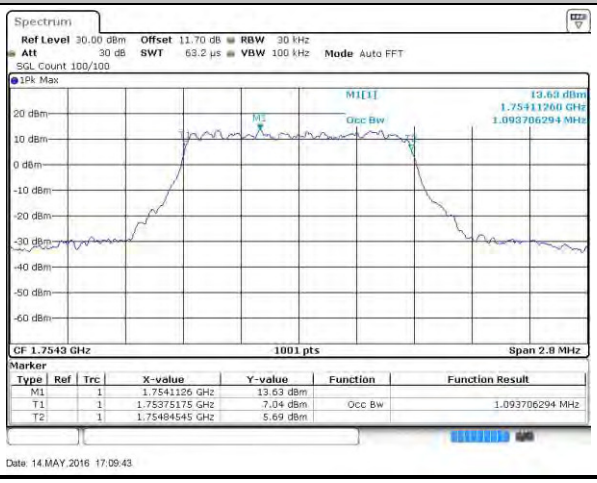
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

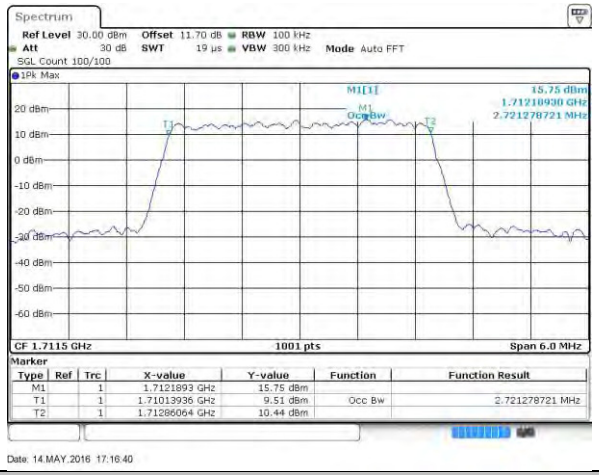


Highest Channel / 1.4MHz / 16QAM

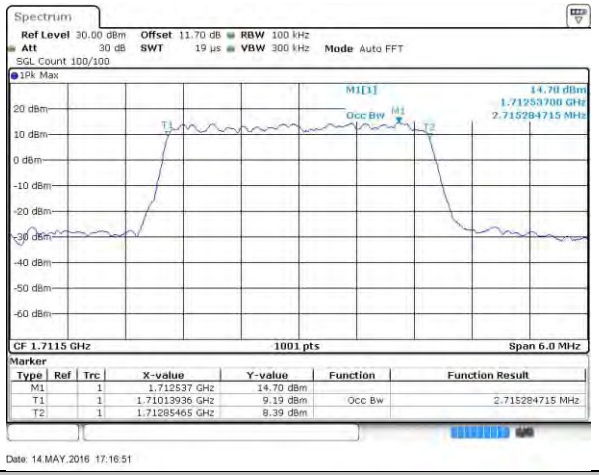


LTE Band 4

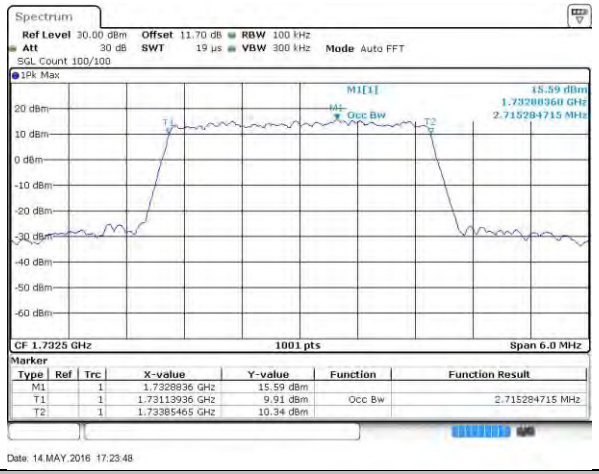
Lowest Channel / 3MHz / QPSK



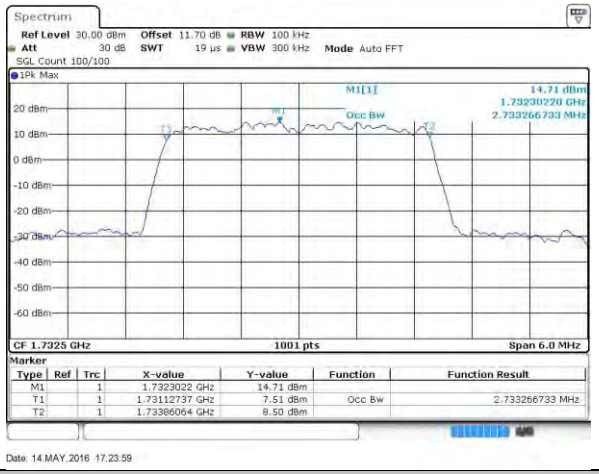
Lowest Channel / 3MHz / 16QAM



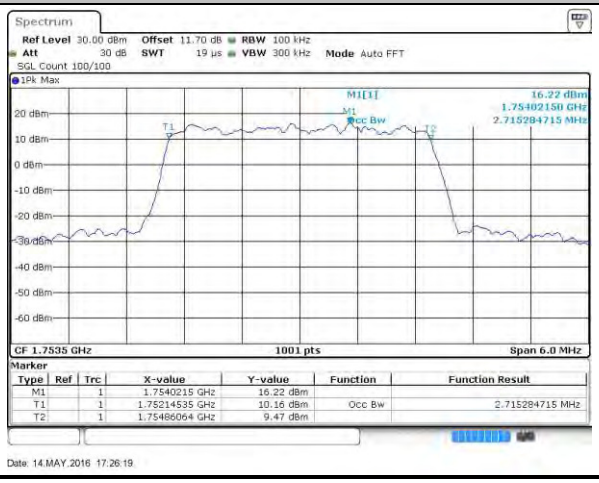
Middle Channel / 3MHz / QPSK



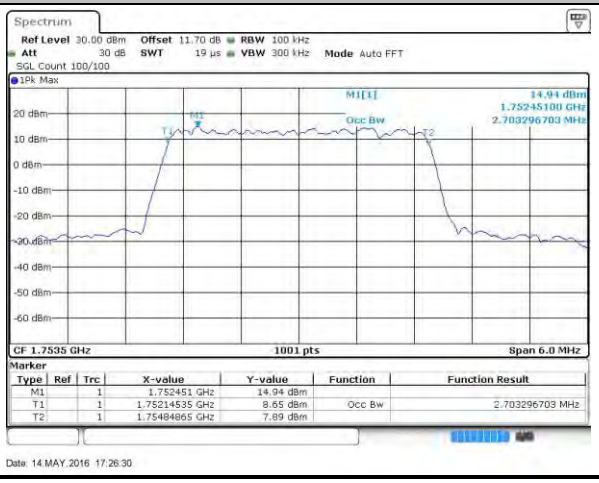
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

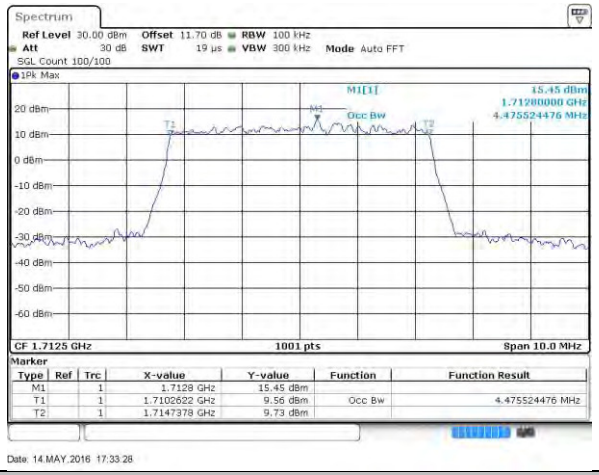


Highest Channel / 3MHz / 16QAM

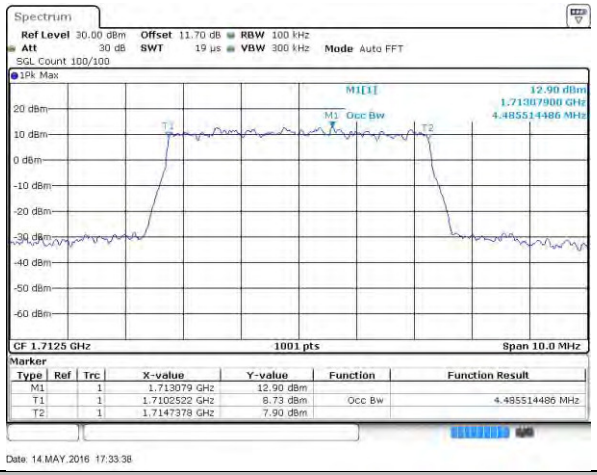


LTE Band 4

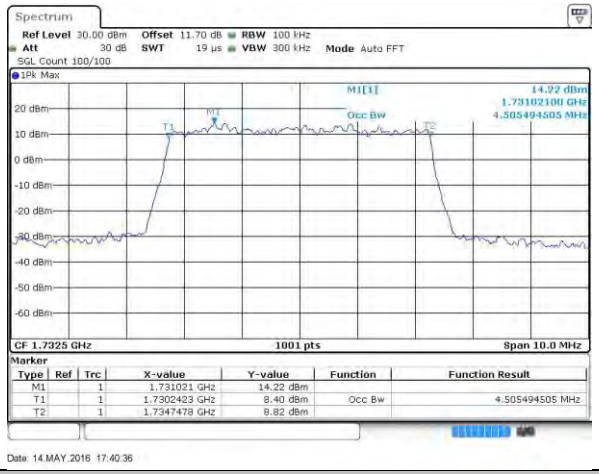
Lowest Channel / 5MHz / QPSK



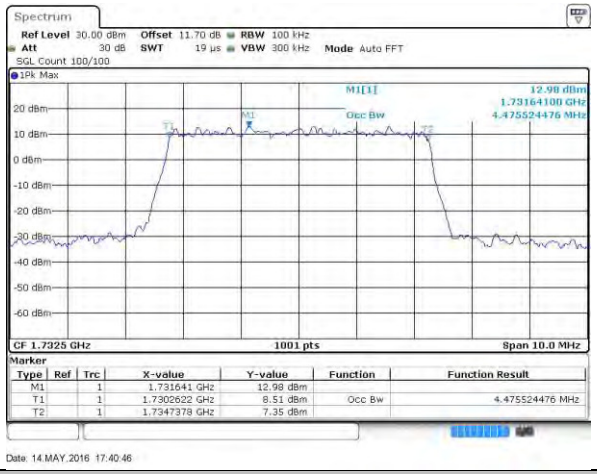
Lowest Channel / 5MHz / 16QAM



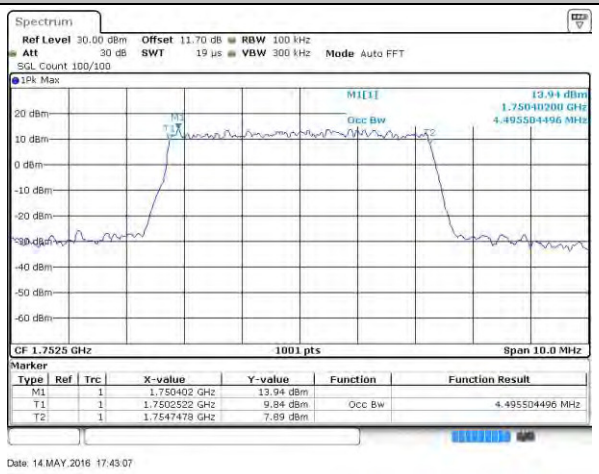
Middle Channel / 5MHz / QPSK



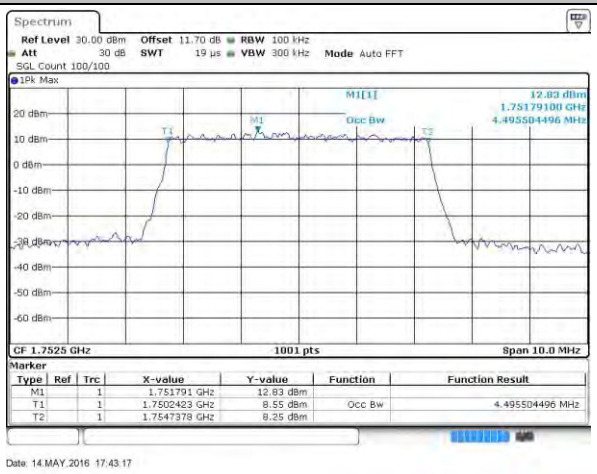
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

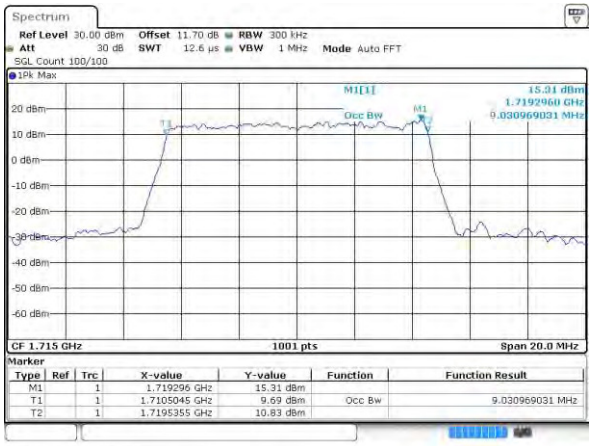


Highest Channel / 5MHz / 16QAM



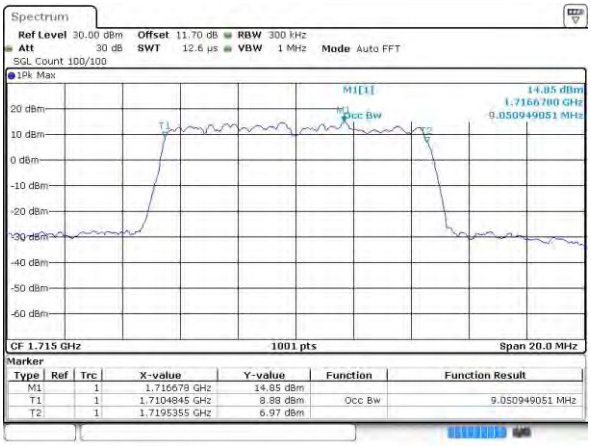
LTE Band 4

Lowest Channel / 10MHz / QPSK



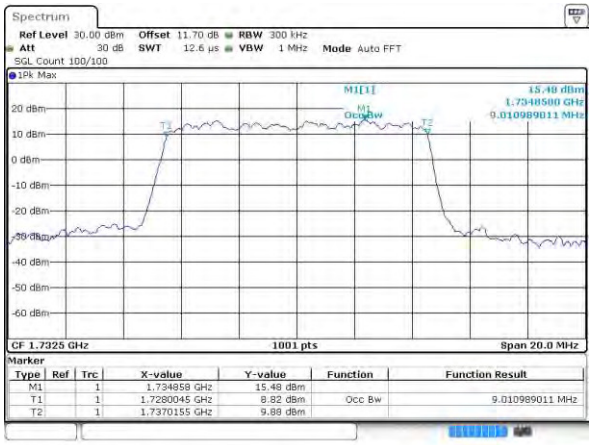
Date: 14.MAY.2016 17:50:15

Lowest Channel / 10MHz / 16QAM



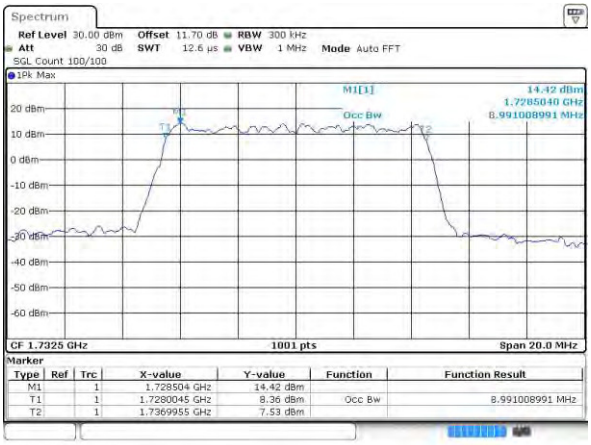
Date: 14.MAY.2016 17:50:26

Middle Channel / 10MHz / QPSK



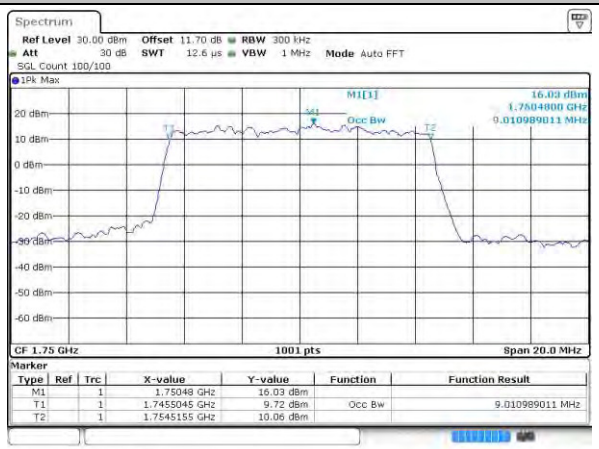
Date: 14.MAY.2016 18:05:03

Middle Channel / 10MHz / 16QAM



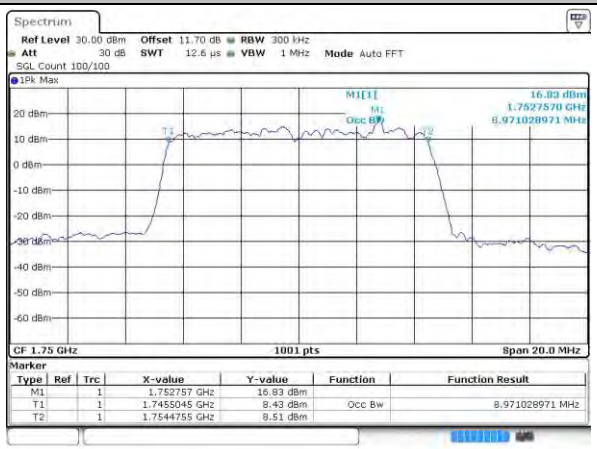
Date: 14.MAY.2016 18:05:13

Highest Channel / 10MHz / QPSK



Date: 14.MAY.2016 18:07:34

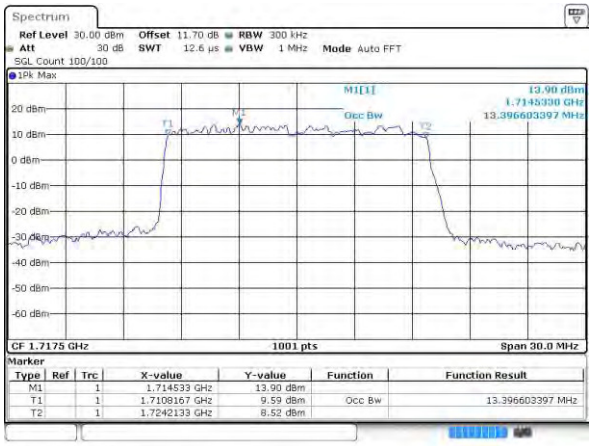
Highest Channel / 10MHz / 16QAM



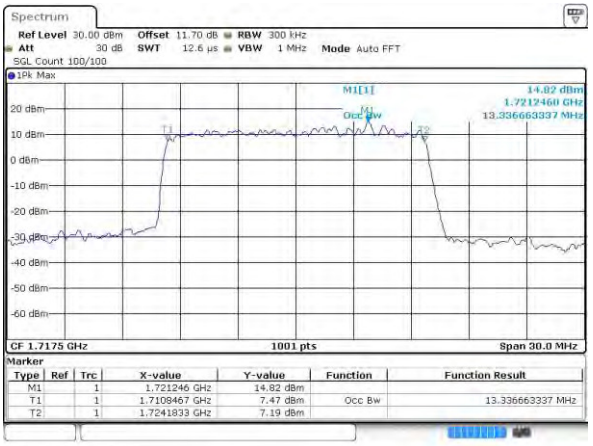
Date: 14.MAY.2016 18:07:45

LTE Band 4

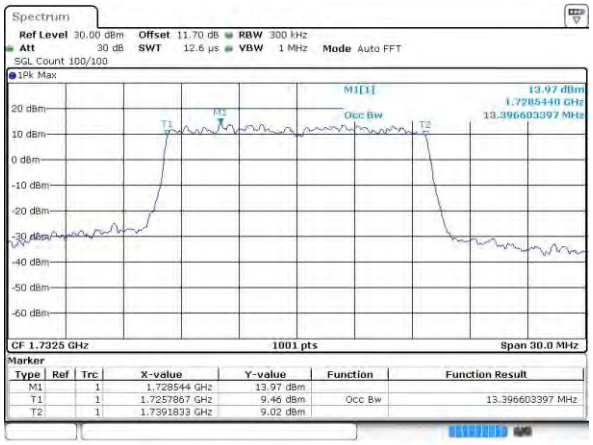
Lowest Channel / 15MHz / QPSK



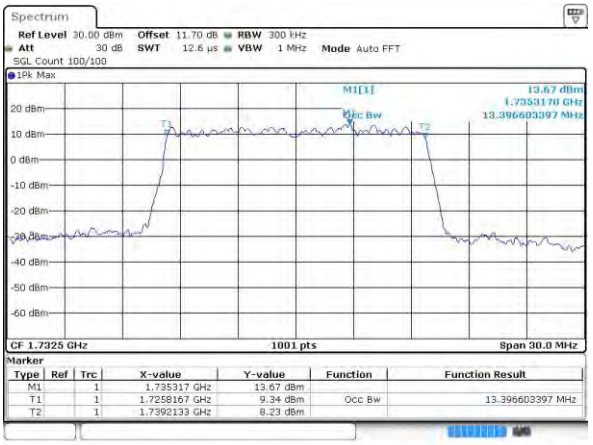
Lowest Channel / 15MHz / 16QAM



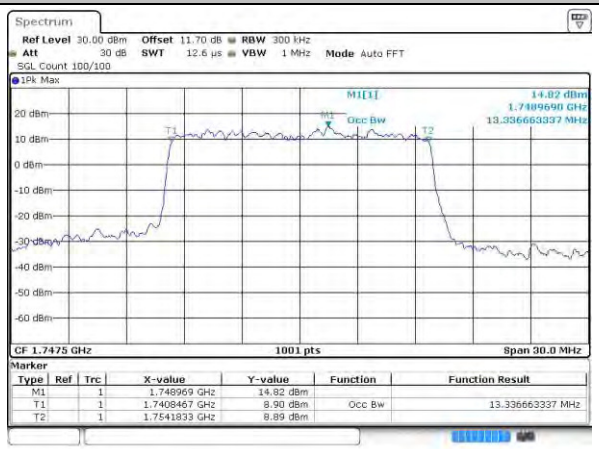
Middle Channel / 15MHz / QPSK



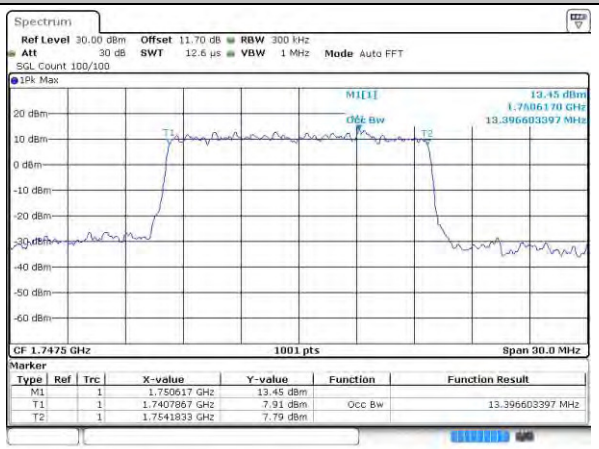
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

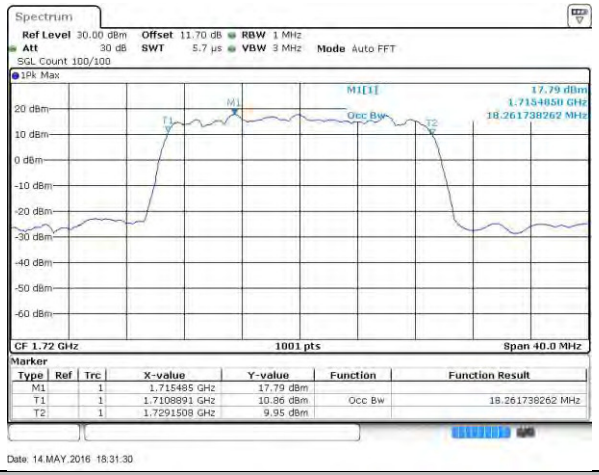


Highest Channel / 15MHz / 16QAM

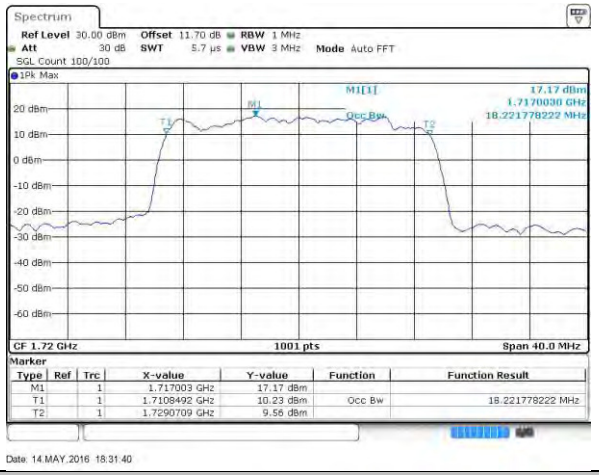


LTE Band 4

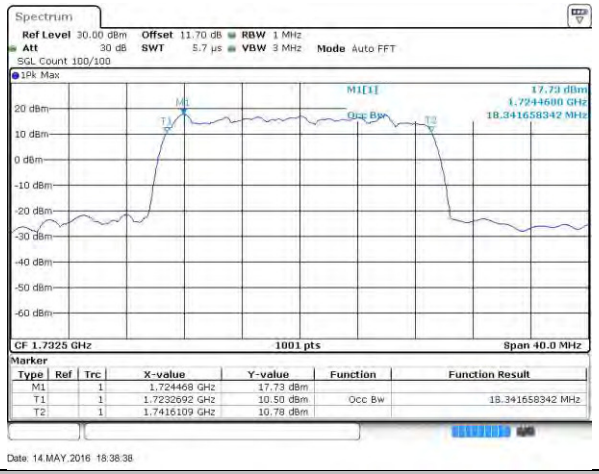
Lowest Channel / 20MHz / QPSK



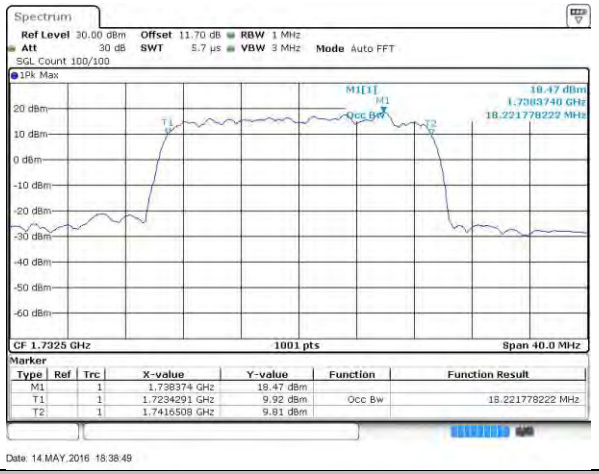
Lowest Channel / 20MHz / 16QAM



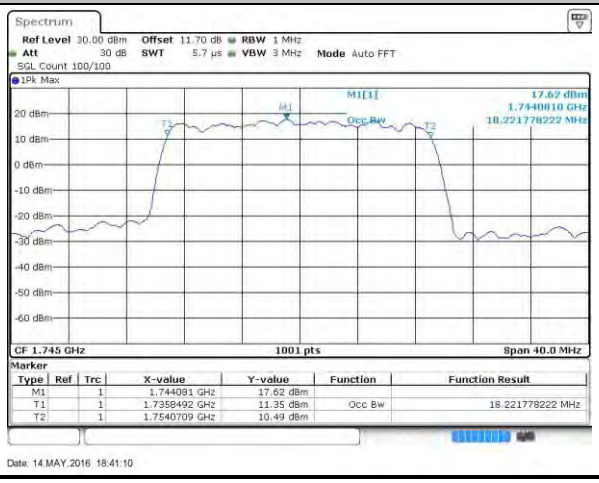
Middle Channel / 20MHz / QPSK



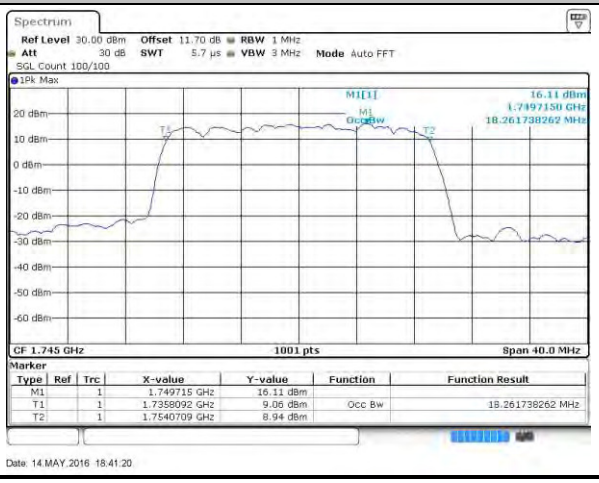
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



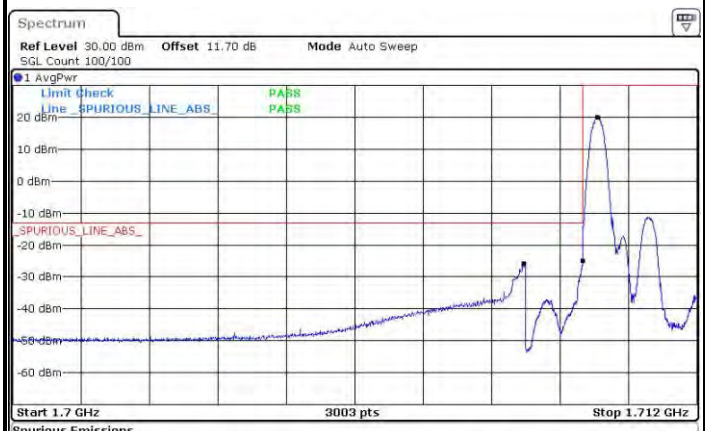
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

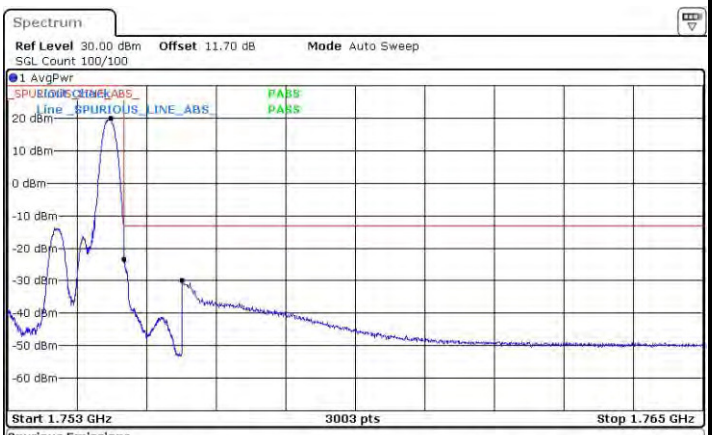


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-25.79 dBm	-12.79 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-25.00 dBm	-12.00 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	19.91 dBm	-10.09 dB

Date: 14.MAY.2016 17:01:33

Highest Band Edge / 1RB

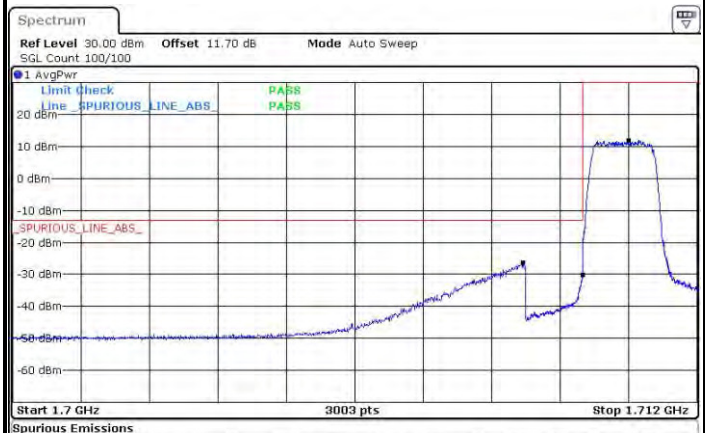


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75478 GHz	20.07 dBm	-9.93 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-23.49 dBm	-10.49 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-29.97 dBm	-16.97 dB

Date: 14.MAY.2016 17:11:12

Lowest Band Edge / Full RB

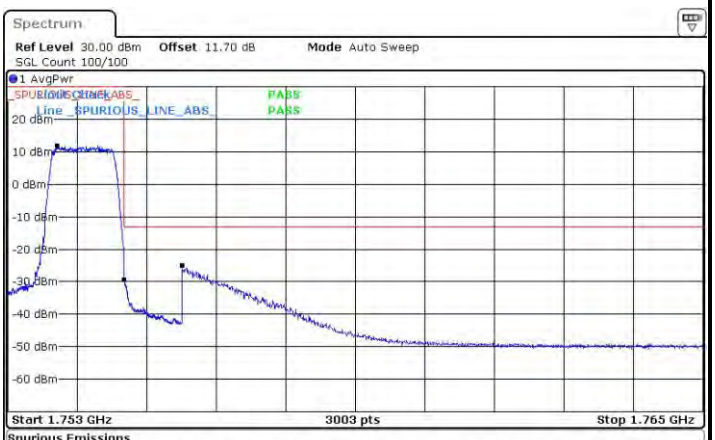


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-26.45 dBm	-13.45 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-30.04 dBm	-17.04 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71079 GHz	11.86 dBm	-18.14 dB

Date: 14.MAY.2016 17:03:51

Highest Band Edge / Full RB



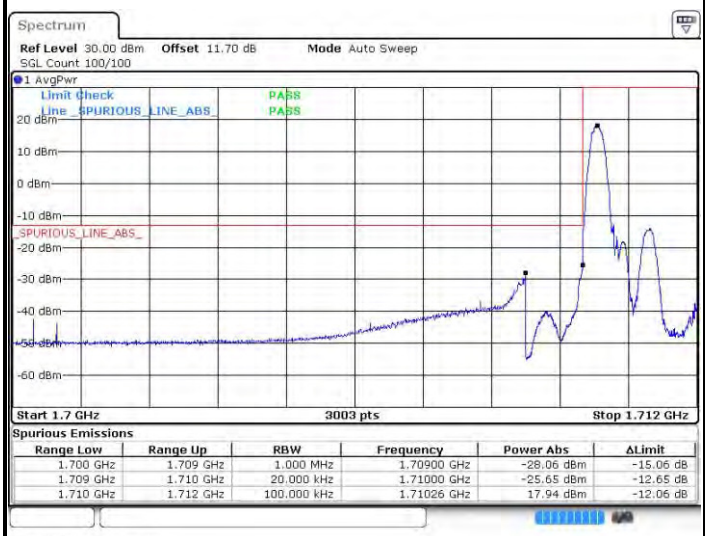
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75386 GHz	11.88 dBm	-18.12 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-29.25 dBm	-16.25 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75601 GHz	-25.06 dBm	-12.06 dB

Date: 14.MAY.2016 17:13:31

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

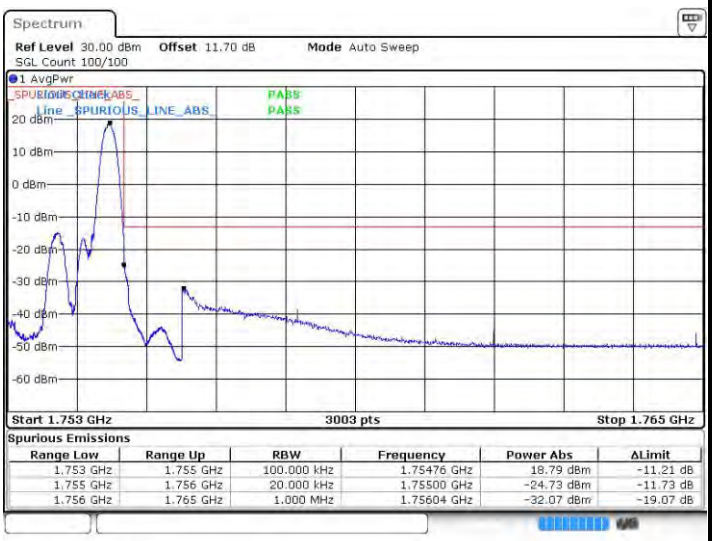


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-28.06 dBm	-15.06 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-25.65 dBm	-12.65 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71026 GHz	17.94 dBm	-12.06 dB

Date: 14.MAY.2016 17:02:42

Highest Band Edge / 1 RB

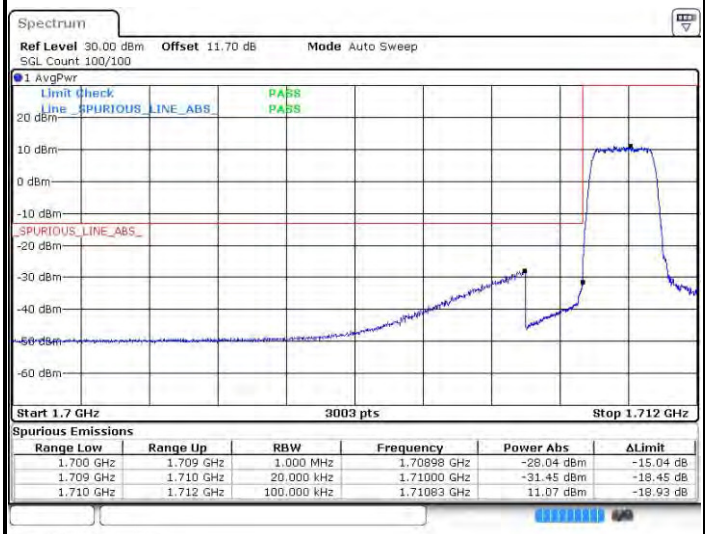


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75476 GHz	18.79 dBm	-11.21 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-24.73 dBm	-11.73 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-32.07 dBm	-19.07 dB

Date: 14.MAY.2016 17:12:21

Lowest Band Edge / Full RB

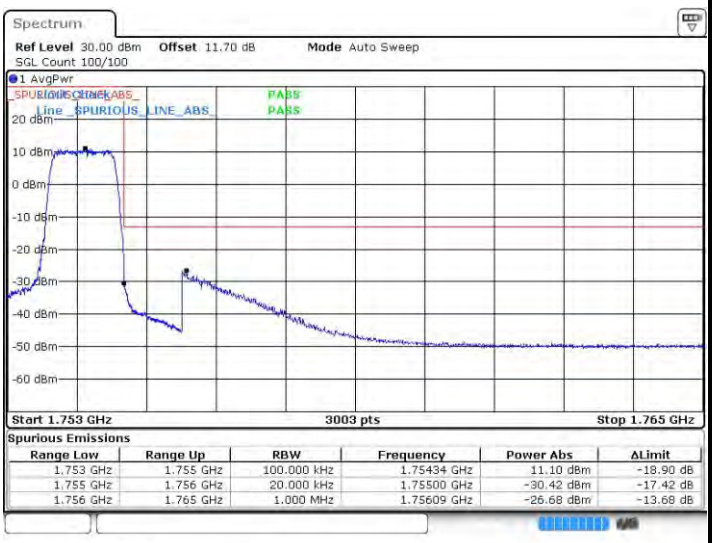


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-28.04 dBm	-15.04 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-31.45 dBm	-18.45 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71083 GHz	11.07 dBm	-18.93 dB

Date: 14.MAY.2016 17:05:00

Highest Band Edge / Full RB



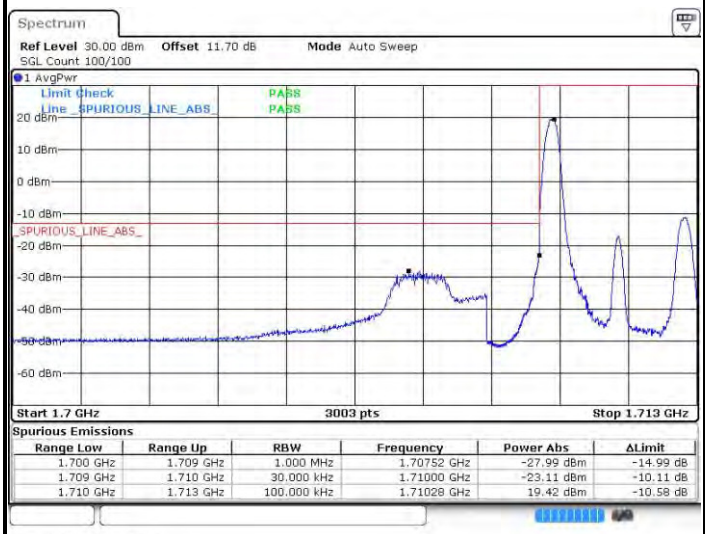
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75434 GHz	11.10 dBm	-18.90 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-30.42 dBm	-17.42 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75609 GHz	-26.68 dBm	-13.68 dB

Date: 14.MAY.2016 17:14:40

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

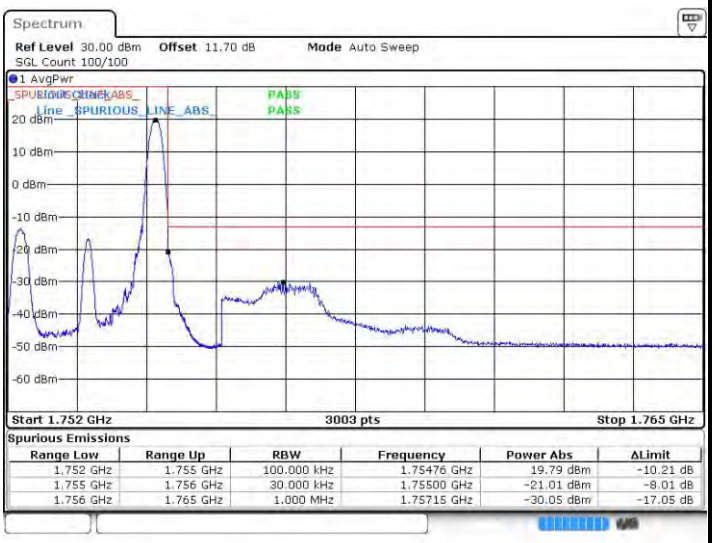


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70752 GHz	-27.99 dBm	-14.99 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-23.11 dBm	-10.11 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71028 GHz	19.42 dBm	-10.58 dB

Date: 14.MAY.2016 17:18:20

Highest Band Edge / 1 RB

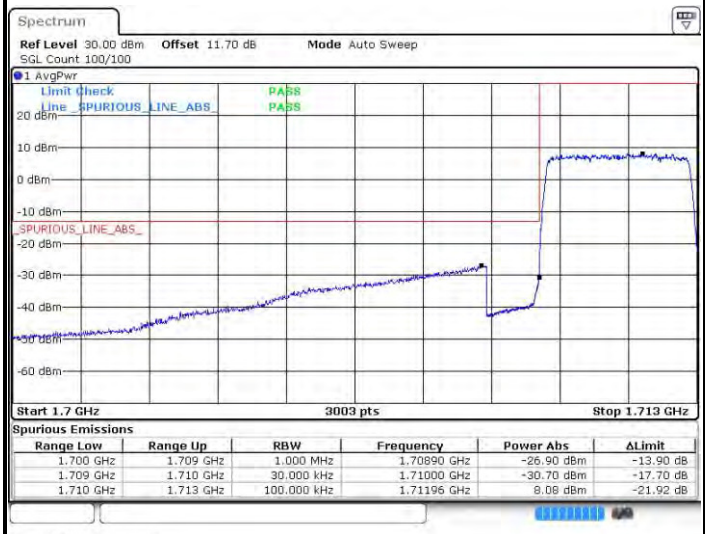


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75476 GHz	19.79 dBm	-10.21 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-21.01 dBm	-8.01 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75715 GHz	-30.05 dBm	-17.05 dB

Date: 14.MAY.2016 17:28:00

Lowest Band Edge / Full RB

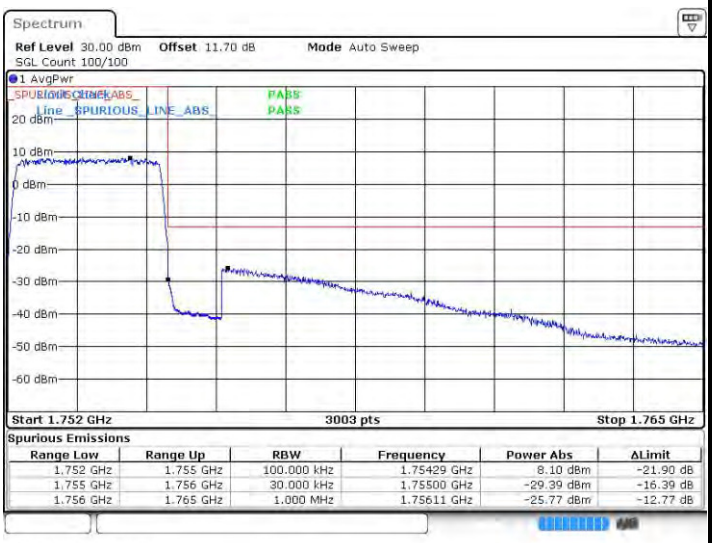


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70890 GHz	-26.90 dBm	-13.90 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-30.70 dBm	-17.70 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71196 GHz	8.08 dBm	-21.92 dB

Date: 14.MAY.2016 17:20:39

Highest Band Edge / Full RB



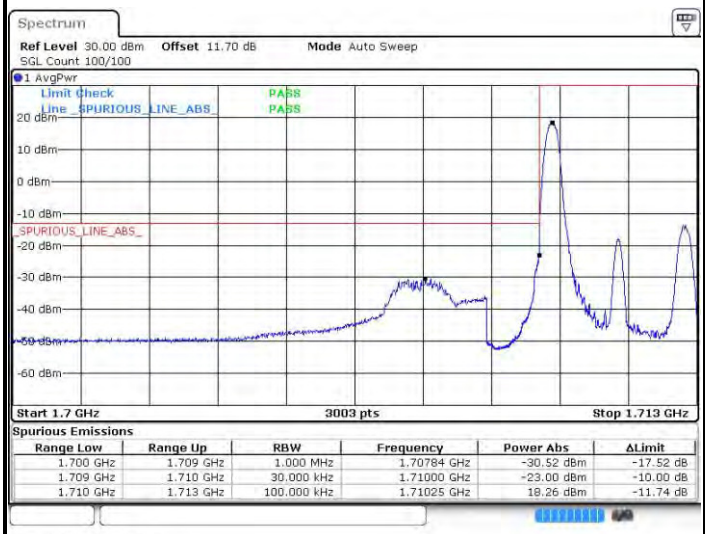
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75429 GHz	8.10 dBm	-21.90 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-29.39 dBm	-16.39 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75611 GHz	-25.77 dBm	-12.77 dB

Date: 14.MAY.2016 17:30:18

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

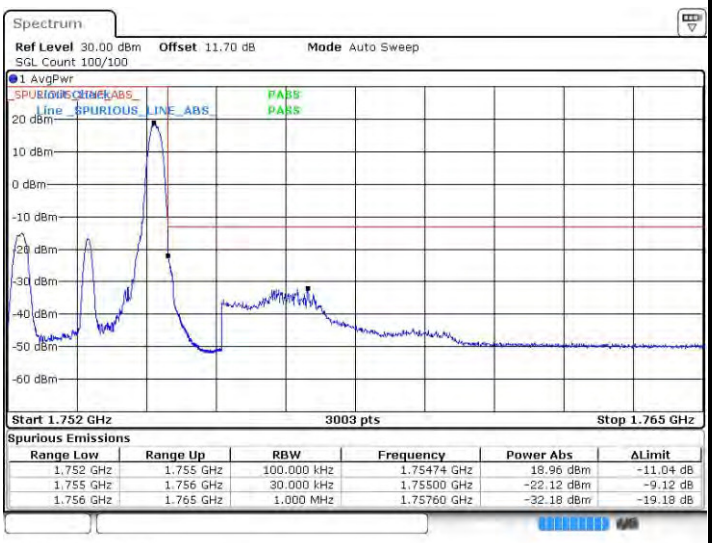


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70784 GHz	-30.52 dBm	-17.52 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-23.00 dBm	-10.00 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71025 GHz	18.26 dBm	-11.74 dB

Date: 14.MAY.2016 17:19:30

Highest Band Edge /1 RB

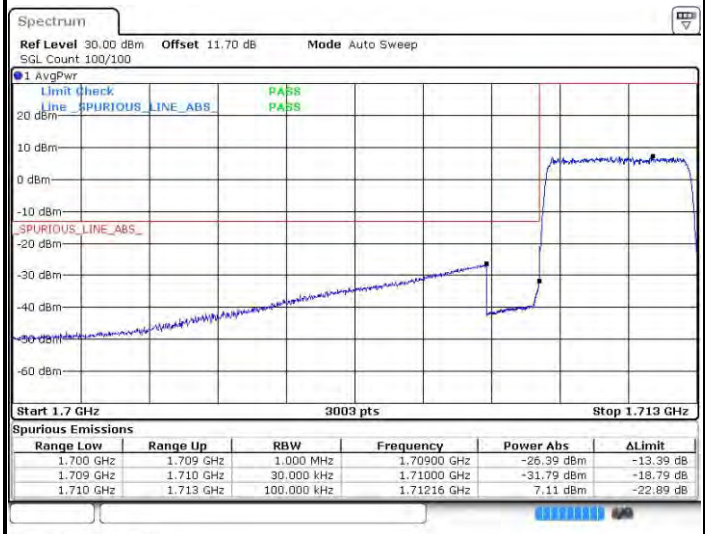


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75474 GHz	18.96 dBm	-11.04 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-22.12 dBm	-9.12 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75760 GHz	-32.18 dBm	-19.18 dB

Date: 14.MAY.2016 17:29:09

Lowest Band Edge / Full RB

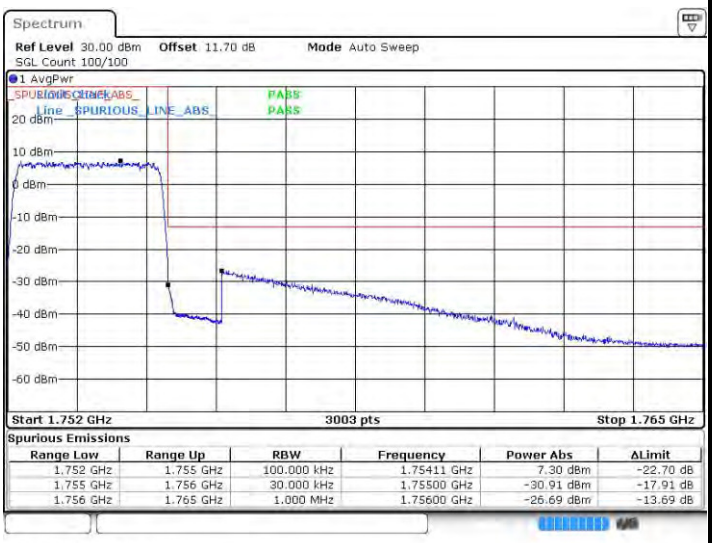


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-26.39 dBm	-13.39 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-31.79 dBm	-18.79 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71216 GHz	7.11 dBm	-22.89 dB

Date: 14.MAY.2016 17:21:48

Highest Band Edge / Full RB



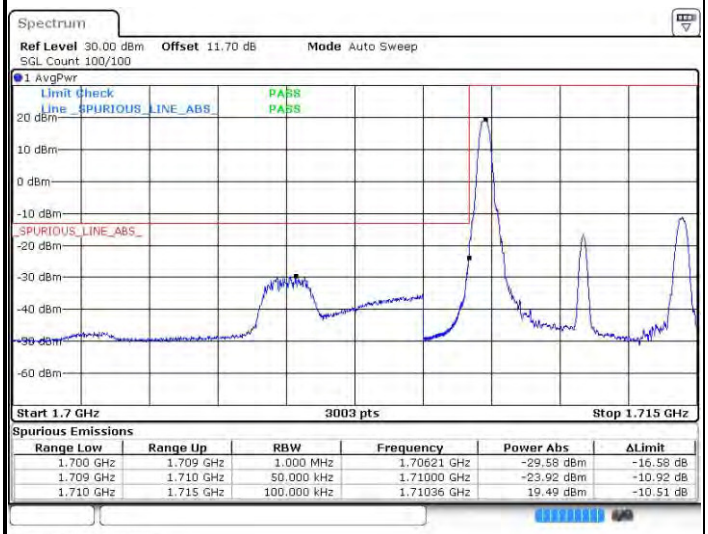
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75411 GHz	7.30 dBm	-22.70 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-30.91 dBm	-17.91 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-26.69 dBm	-13.69 dB

Date: 14.MAY.2016 17:31:27

LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB

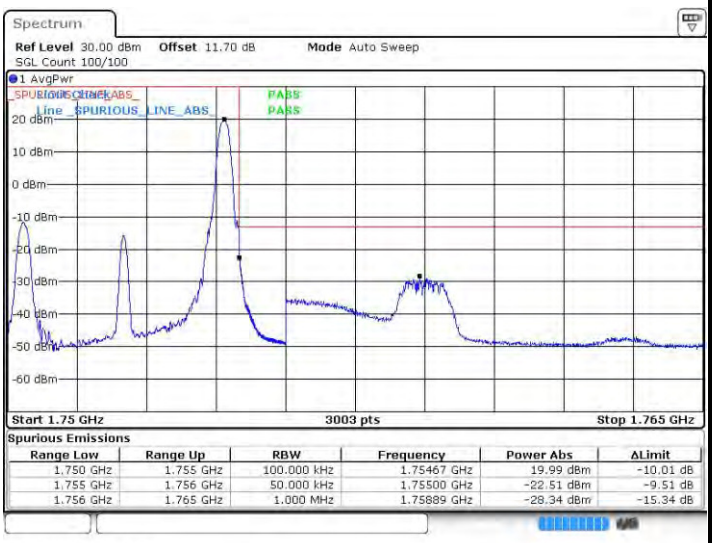


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70621 GHz	-29.58 dBm	-16.58 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-23.92 dBm	-10.92 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71036 GHz	19.49 dBm	-10.51 dB

Date: 14.MAY.2016 17:35:08

Highest Band Edge / 1 RB

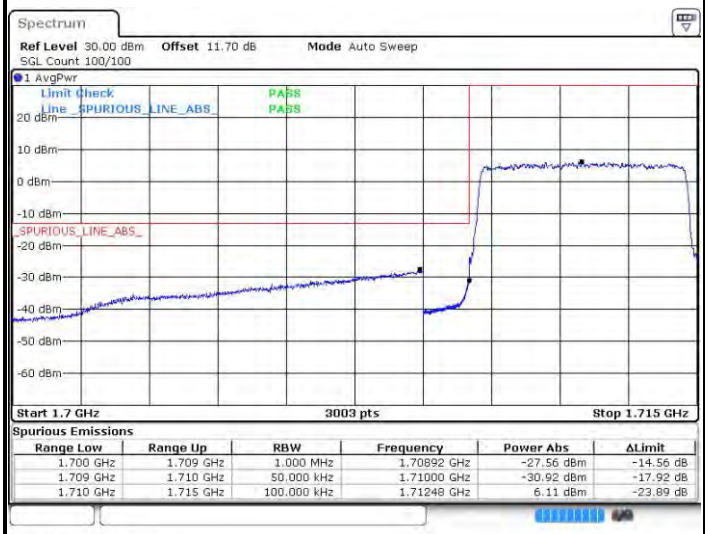


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75467 GHz	19.99 dBm	-10.01 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-22.51 dBm	-9.51 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75889 GHz	-28.34 dBm	-15.34 dB

Date: 14.MAY.2016 17:44:47

Lowest Band Edge / Full RB

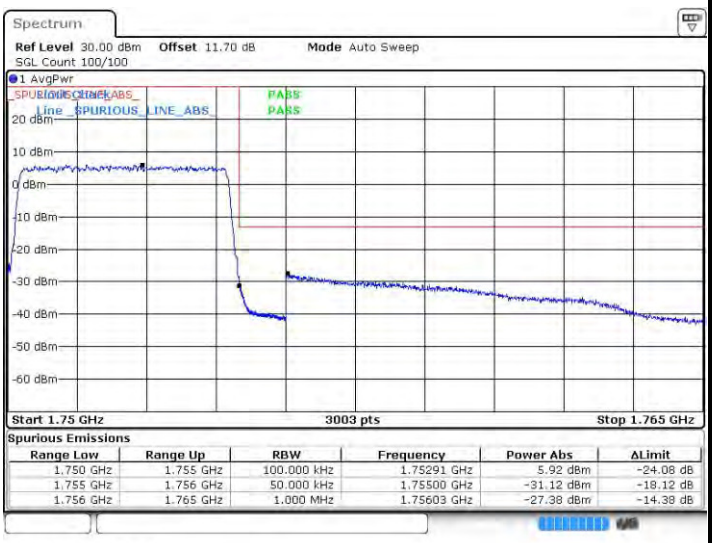


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70892 GHz	-27.56 dBm	-14.56 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-30.92 dBm	-17.92 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71248 GHz	6.11 dBm	-23.89 dB

Date: 14.MAY.2016 17:37:26

Highest Band Edge / Full RB



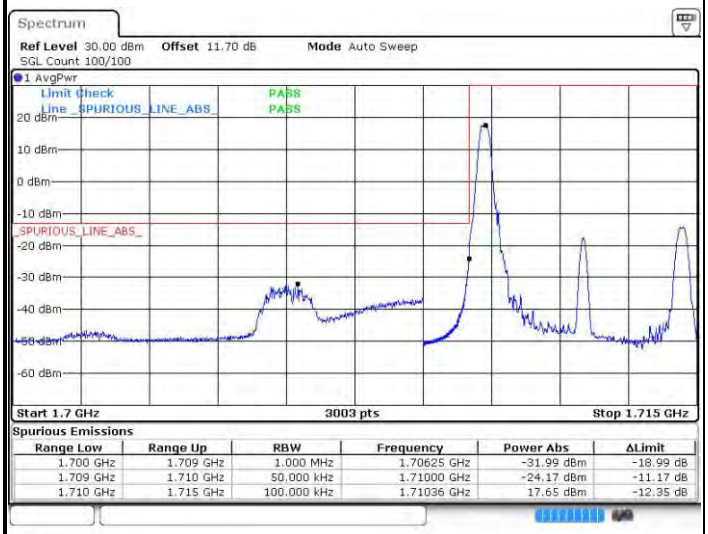
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75291 GHz	5.92 dBm	-24.08 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-31.12 dBm	-18.12 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75603 GHz	-27.38 dBm	-14.38 dB

Date: 14.MAY.2016 17:47:05

LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB

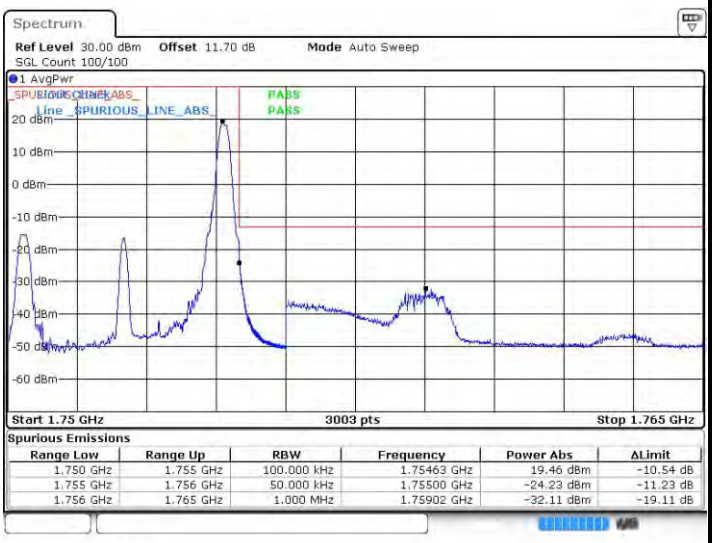


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70625 GHz	-31.99 dBm	-18.99 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-24.17 dBm	-11.17 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71036 GHz	17.65 dBm	-12.35 dB

Date: 14.MAY.2016 17:36:17

Highest Band Edge / 1 RB

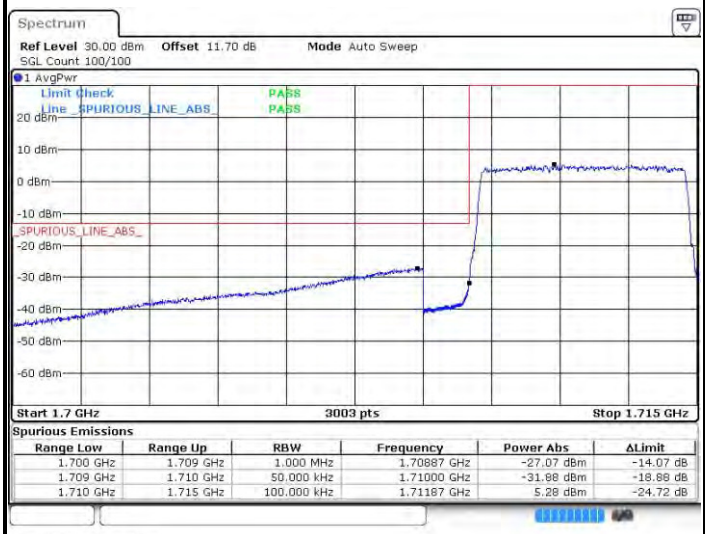


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75463 GHz	19.46 dBm	-10.54 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-24.23 dBm	-11.23 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75902 GHz	-32.11 dBm	-19.11 dB

Date: 14.MAY.2016 17:45:56

Lowest Band Edge / Full RB

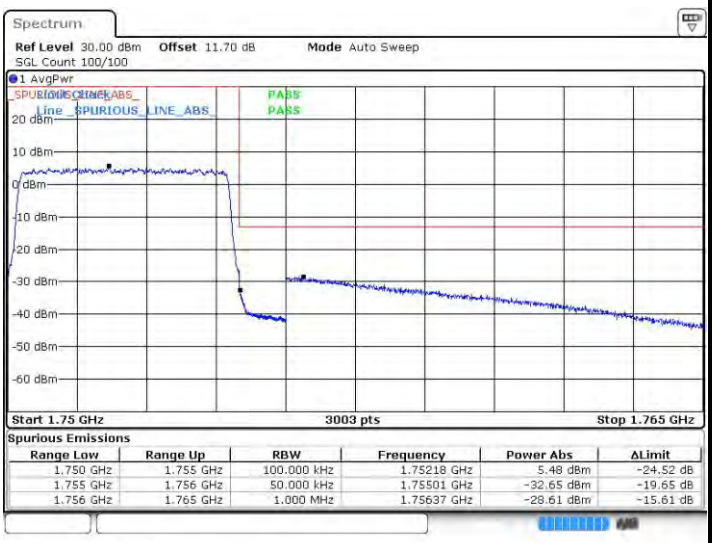


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70887 GHz	-27.07 dBm	-14.07 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-31.88 dBm	-18.88 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71187 GHz	5.28 dBm	-24.72 dB

Date: 14.MAY.2016 17:38:35

Highest Band Edge / Full RB



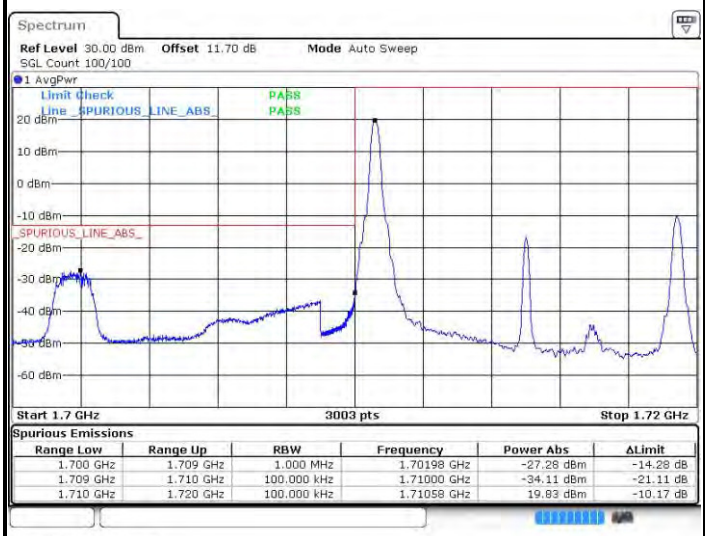
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75218 GHz	5.48 dBm	-24.52 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75501 GHz	-32.65 dBm	-19.65 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75637 GHz	-28.61 dBm	-15.61 dB

Date: 14.MAY.2016 17:48:15

LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB

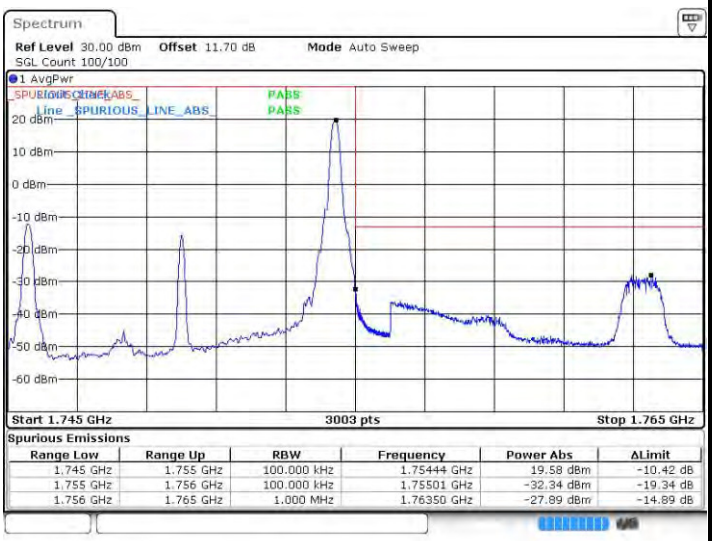


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70198 GHz	-27.28 dBm	-14.28 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-34.11 dBm	-21.11 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71058 GHz	19.83 dBm	-10.17 dB

Date: 14.MAY.2016 17:51:55

Highest Band Edge / 1 RB

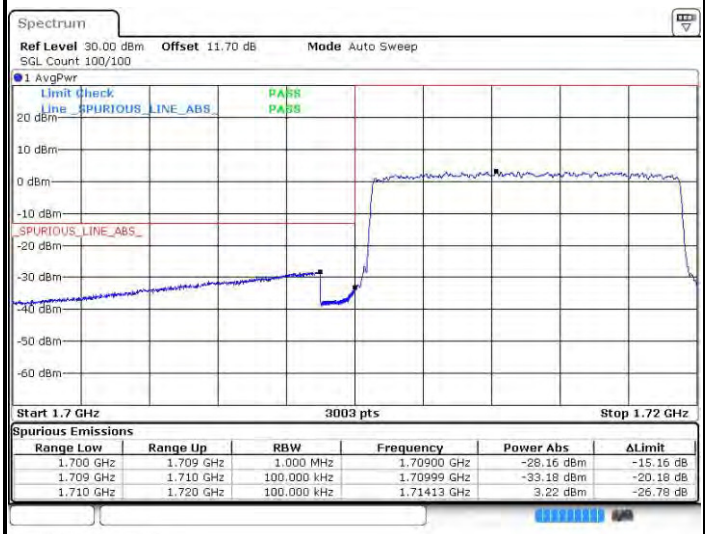


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75444 GHz	19.58 dBm	-10.42 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-32.34 dBm	-19.34 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.76350 GHz	-27.89 dBm	-14.89 dB

Date: 14.MAY.2016 18:09:14

Lowest Band Edge / Full RB

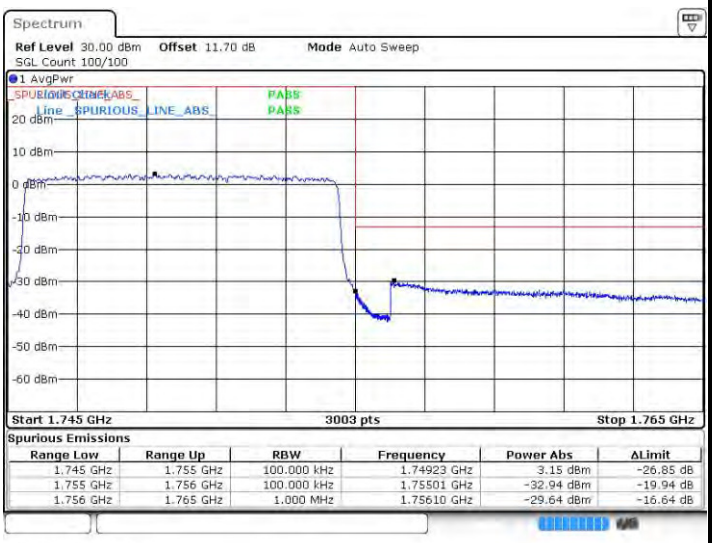


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-28.16 dBm	-15.16 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70999 GHz	-33.18 dBm	-20.18 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71413 GHz	3.22 dBm	-26.78 dB

Date: 14.MAY.2016 17:54:14

Highest Band Edge / Full RB



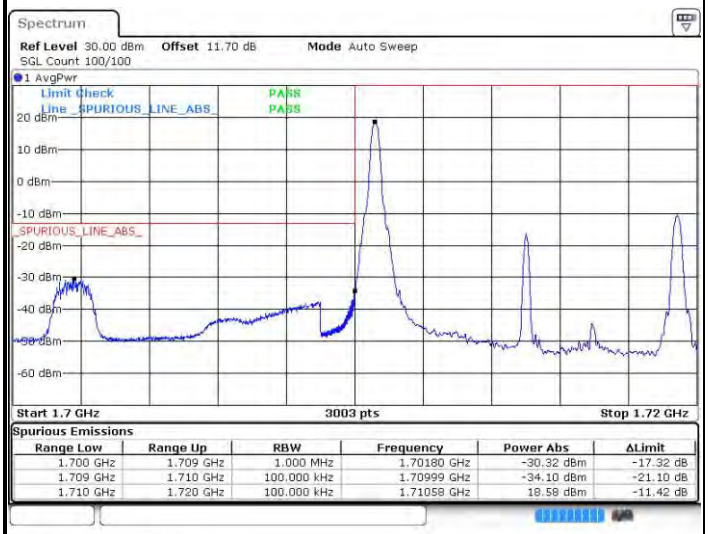
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.74923 GHz	3.15 dBm	-26.85 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-32.94 dBm	-19.94 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75610 GHz	-29.64 dBm	-16.64 dB

Date: 14.MAY.2016 18:11:33

LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

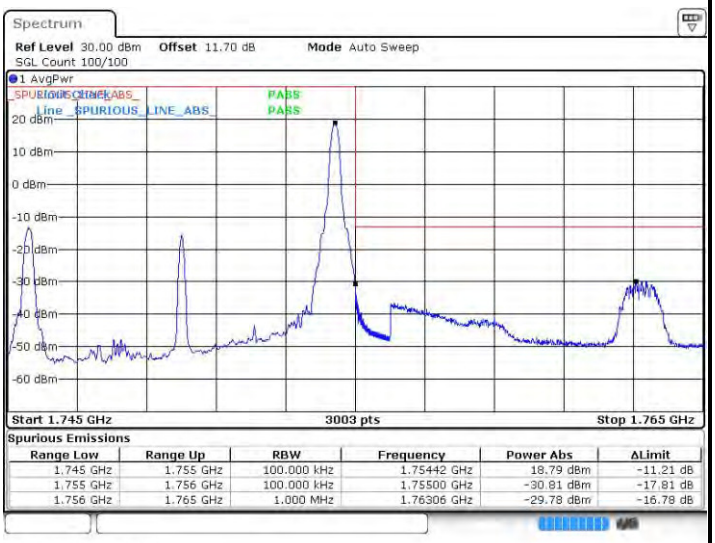


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70180 GHz	-30.32 dBm	-17.32 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70999 GHz	-34.10 dBm	-21.10 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71058 GHz	18.58 dBm	-11.42 dB

Date: 14.MAY.2016 17:53:04

Highest Band Edge / 1 RB

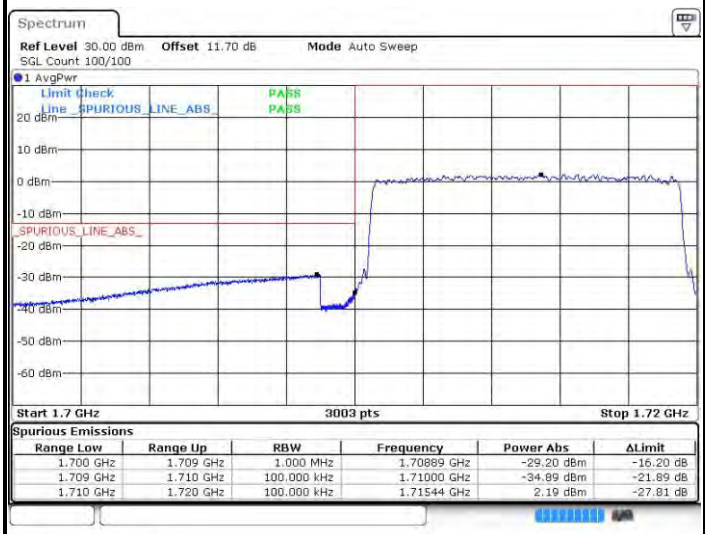


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75442 GHz	18.79 dBm	-11.21 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-30.81 dBm	-17.81 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.76306 GHz	-29.78 dBm	-16.78 dB

Date: 14.MAY.2016 18:10:24

Lowest Band Edge / Full RB

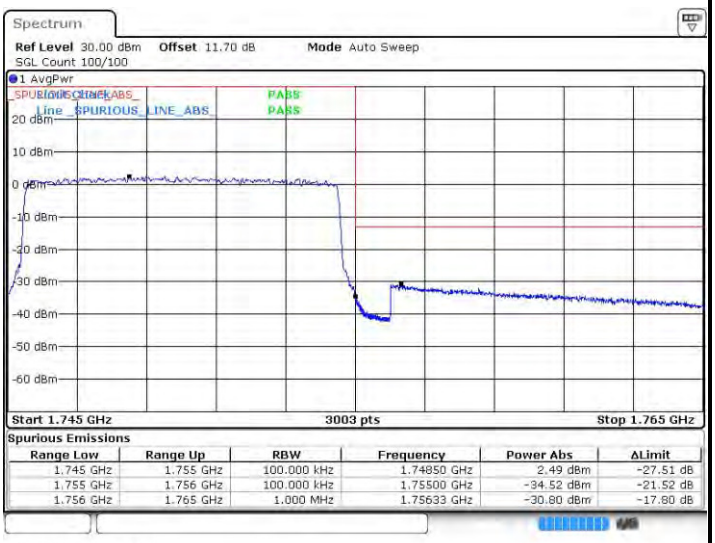


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70889 GHz	-29.20 dBm	-16.20 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-34.89 dBm	-21.89 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71544 GHz	2.19 dBm	-27.81 dB

Date: 14.MAY.2016 17:55:23

Highest Band Edge / Full RB



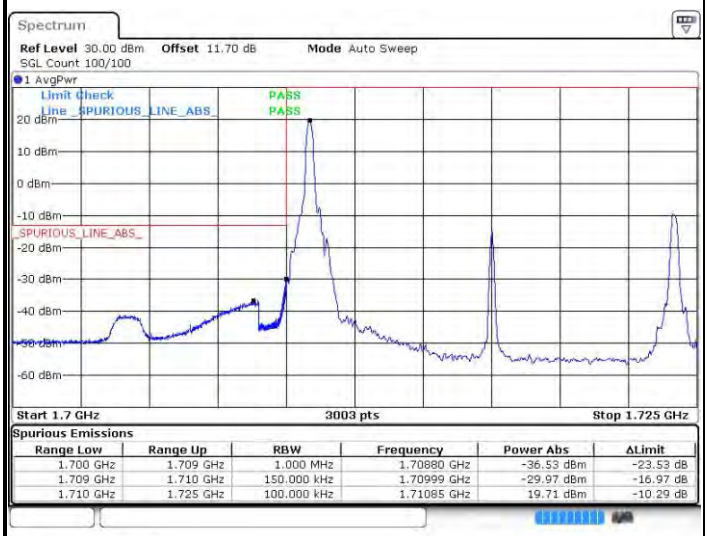
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.74850 GHz	2.49 dBm	-27.51 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75500 GHz	-34.52 dBm	-21.52 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75633 GHz	-30.80 dBm	-17.80 dB

Date: 14.MAY.2016 18:12:42

LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB

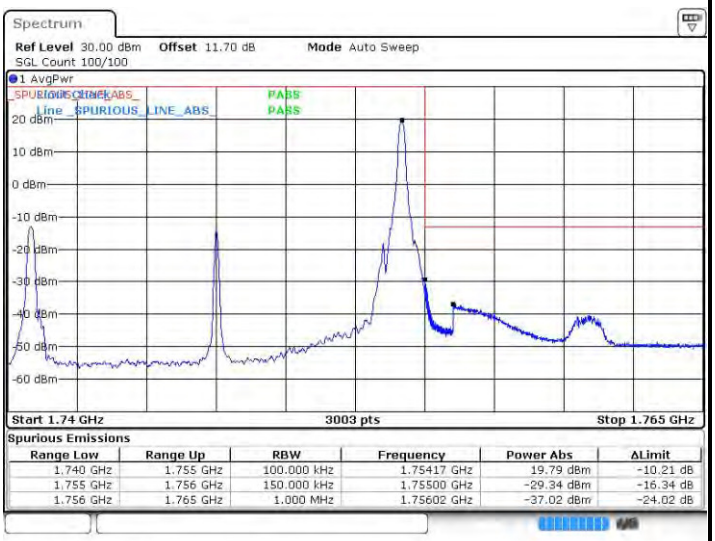


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70880 GHz	-36.53 dBm	-23.53 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-29.97 dBm	-16.97 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71085 GHz	19.71 dBm	-10.29 dB

Date: 14.MAY.2016 18:16:22

Highest Band Edge / 1 RB

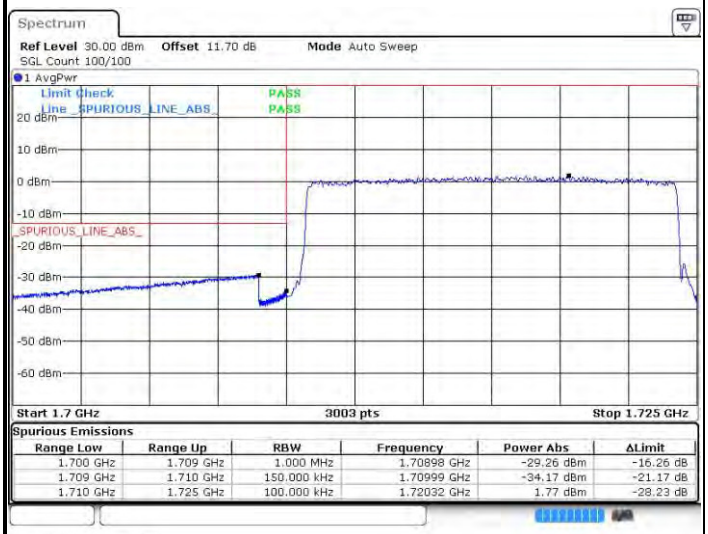


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75417 GHz	19.79 dBm	-10.21 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75500 GHz	-29.34 dBm	-16.34 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75602 GHz	-37.02 dBm	-24.02 dB

Date: 14.MAY.2016 18:26:02

Lowest Band Edge / Full RB

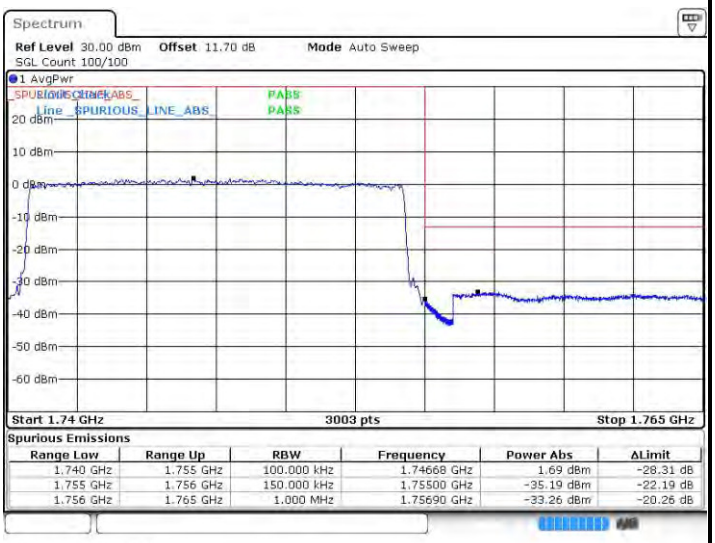


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70898 GHz	-29.26 dBm	-16.26 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-34.17 dBm	-21.17 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.72032 GHz	1.77 dBm	-28.23 dB

Date: 14.MAY.2016 18:18:41

Highest Band Edge / Full RB



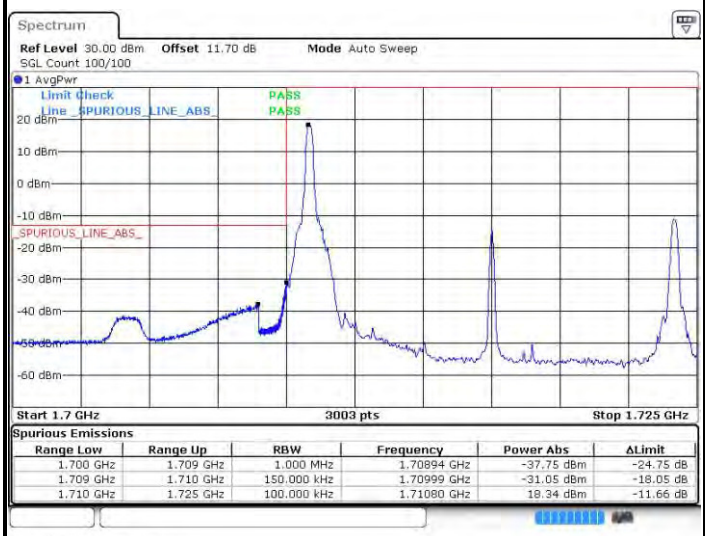
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.74668 GHz	1.69 dBm	-28.31 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75500 GHz	-35.19 dBm	-22.19 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75690 GHz	-33.26 dBm	-20.26 dB

Date: 14.MAY.2016 18:28:20

LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

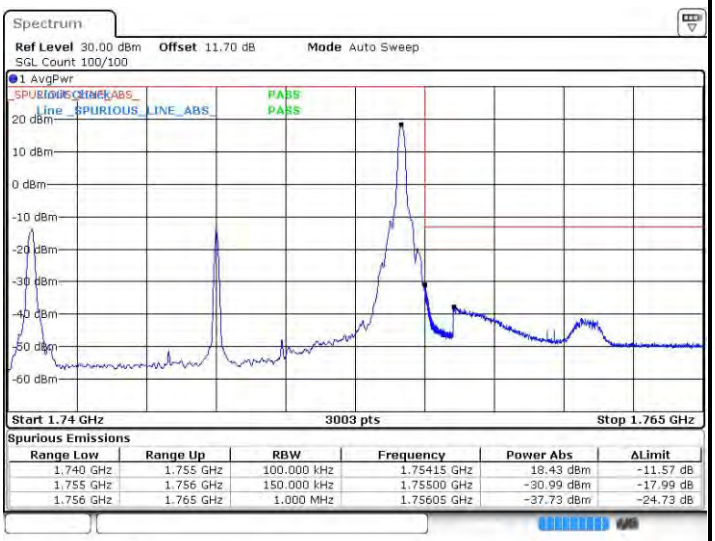


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70894 GHz	-37.75 dBm	-24.75 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-31.05 dBm	-18.05 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71080 GHz	18.34 dBm	-11.66 dB

Date: 14.MAY.2016 18:17:32

Highest Band Edge / 1 RB

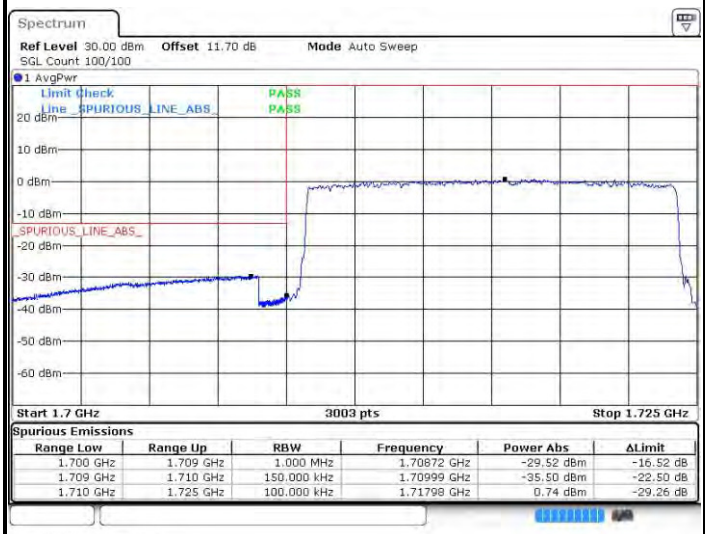


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75415 GHz	18.43 dBm	-11.57 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75500 GHz	-30.99 dBm	-17.99 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-37.73 dBm	-24.73 dB

Date: 14.MAY.2016 18:27:11

Lowest Band Edge / Full RB

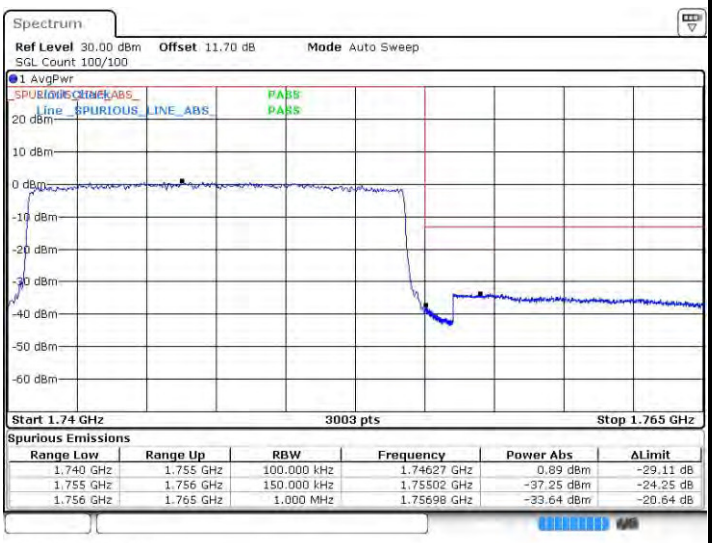


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70872 GHz	-29.52 dBm	-16.52 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-35.50 dBm	-22.50 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71798 GHz	0.74 dBm	-29.26 dB

Date: 14.MAY.2016 18:19:50

Highest Band Edge / Full RB



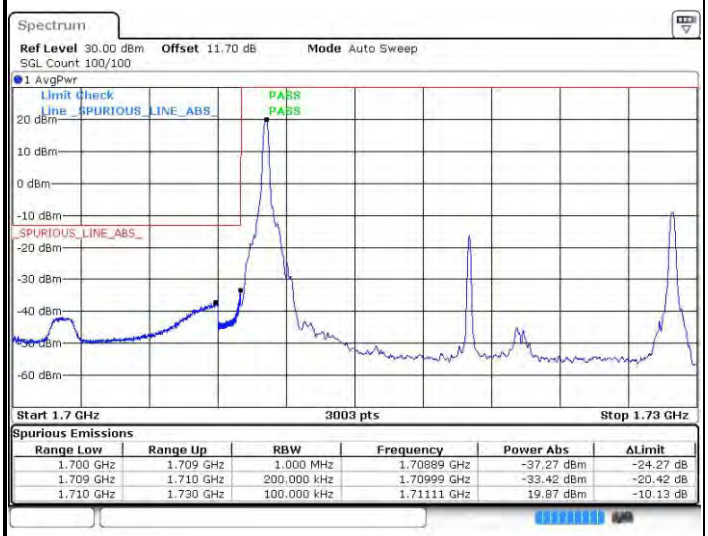
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.74627 GHz	0.89 dBm	-29.11 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75502 GHz	-37.25 dBm	-24.25 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75698 GHz	-33.64 dBm	-20.64 dB

Date: 14.MAY.2016 18:29:29

LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB

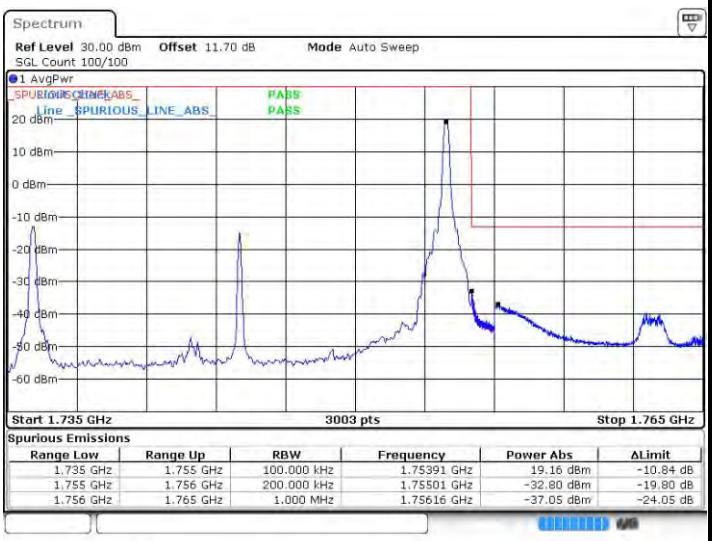


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70889 GHz	-37.27 dBm	-24.27 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-33.42 dBm	-20.42 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71111 GHz	19.87 dBm	-10.13 dB

Date: 14.MAY.2016 18:33:10

Highest Band Edge / 1 RB

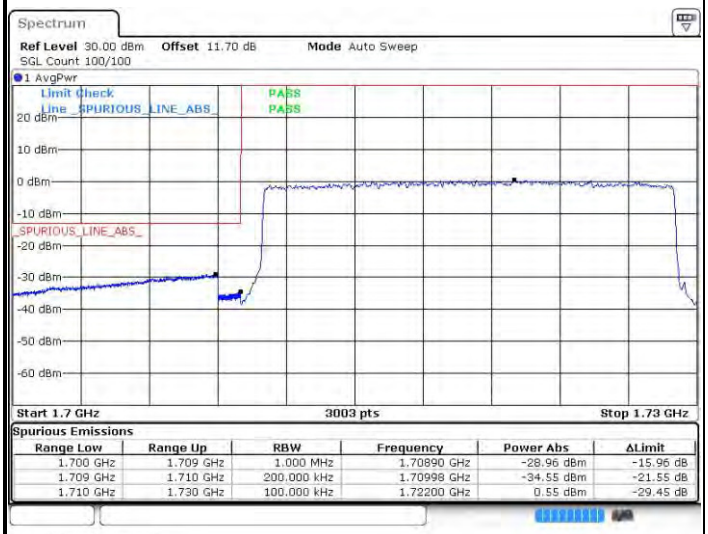


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75391 GHz	19.16 dBm	-10.84 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75501 GHz	-32.80 dBm	-19.80 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75616 GHz	-37.05 dBm	-24.05 dB

Date: 14.MAY.2016 18:42:50

Lowest Band Edge / Full RB

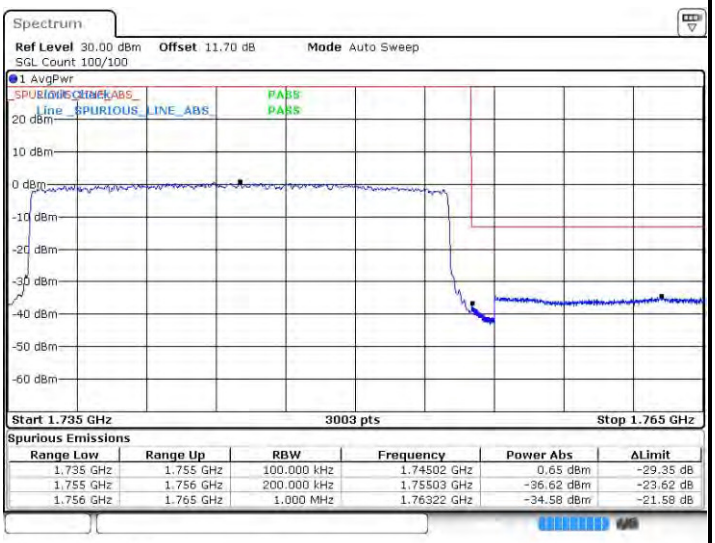


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70890 GHz	-28.96 dBm	-15.96 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70998 GHz	-34.55 dBm	-21.55 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72200 GHz	0.55 dBm	-29.45 dB

Date: 14.MAY.2016 18:35:29

Highest Band Edge / Full RB



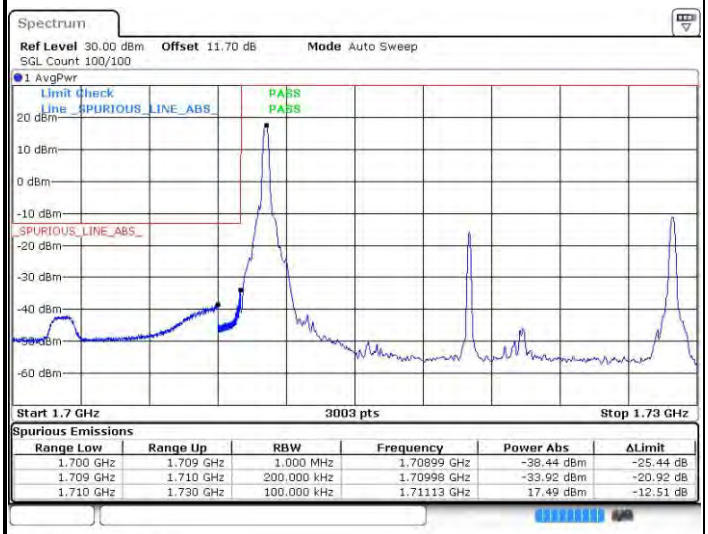
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.74502 GHz	0.65 dBm	-29.35 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75503 GHz	-36.62 dBm	-23.62 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.76322 GHz	-34.58 dBm	-21.58 dB

Date: 14.MAY.2016 18:45:08

LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

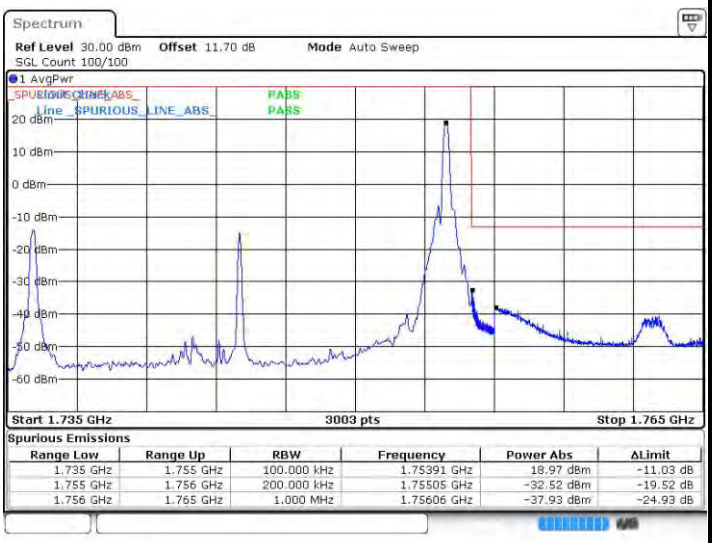


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-38.44 dBm	-25.44 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70998 GHz	-33.92 dBm	-20.92 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71113 GHz	17.49 dBm	-12.51 dB

Date: 14.MAY.2016 18:34:19

Highest Band Edge / 1 RB

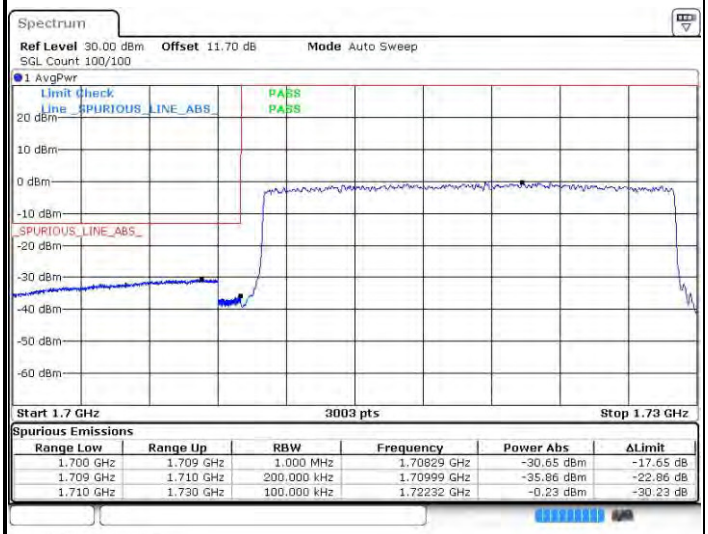


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75391 GHz	18.97 dBm	-11.03 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75505 GHz	-32.52 dBm	-19.52 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75606 GHz	-37.93 dBm	-24.93 dB

Date: 14.MAY.2016 18:43:59

Lowest Band Edge / Full RB

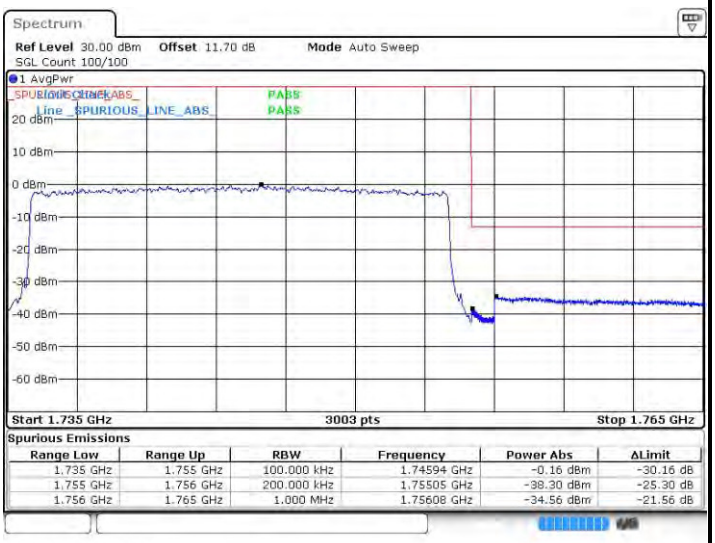


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70829 GHz	-30.65 dBm	-17.65 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-35.86 dBm	-22.86 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.72232 GHz	-0.23 dBm	-30.23 dB

Date: 14.MAY.2016 18:36:38

Highest Band Edge / Full RB



Spurious Emissions

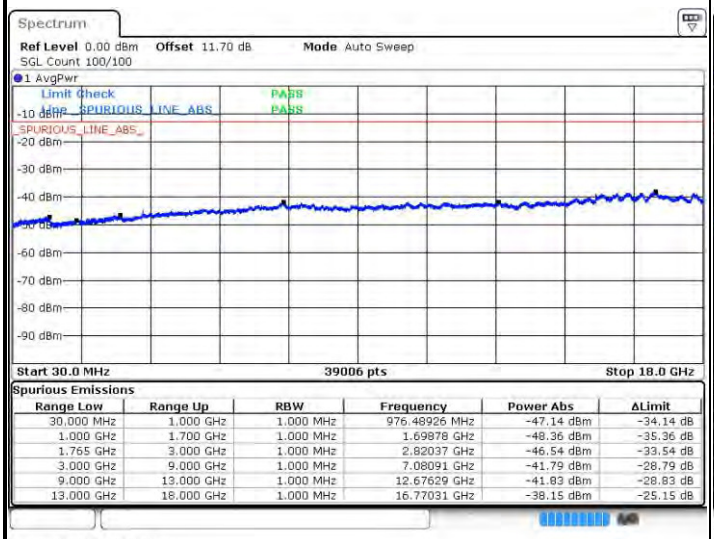
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.74594 GHz	-0.16 dBm	-30.16 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75505 GHz	-38.30 dBm	-25.30 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75608 GHz	-34.56 dBm	-21.56 dB

Date: 14.MAY.2016 18:46:18

Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

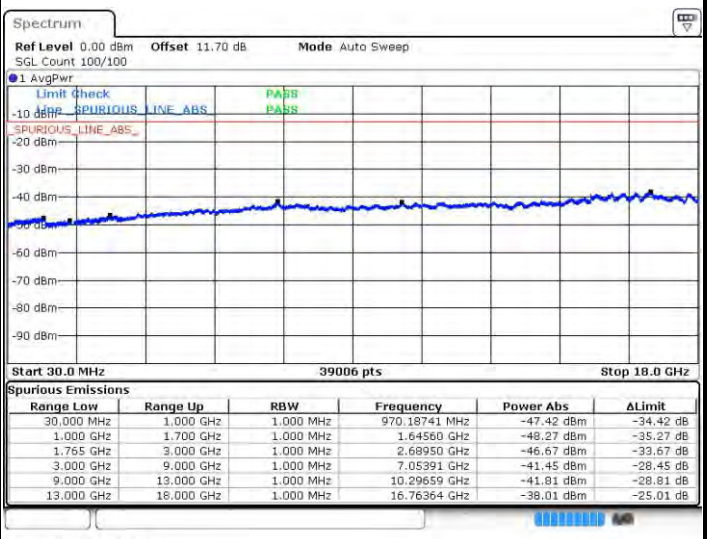


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-47.14 dBm	-34.14 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-48.36 dBm	-35.36 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82037 GHz	-46.54 dBm	-33.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.08091 GHz	-41.79 dBm	-28.79 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67629 GHz	-41.83 dBm	-28.83 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77031 GHz	-38.15 dBm	-25.15 dB

Date: 14.MAY.2016 17:05:55

Lowest Channel / 16QAM

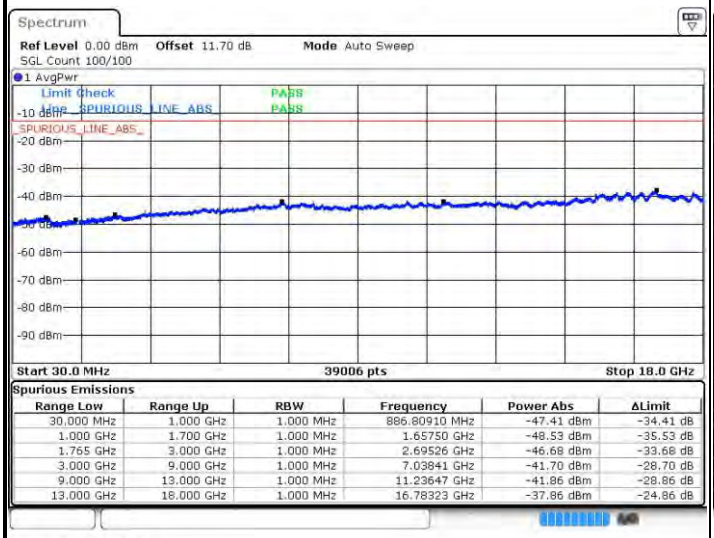


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	970.18741 MHz	-47.42 dBm	-34.42 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64560 GHz	-48.27 dBm	-35.27 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68950 GHz	-46.67 dBm	-33.67 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05391 GHz	-41.45 dBm	-28.45 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.29659 GHz	-41.81 dBm	-28.81 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76364 GHz	-38.01 dBm	-25.01 dB

Date: 14.MAY.2016 17:06:50

Middle Channel / QPSK

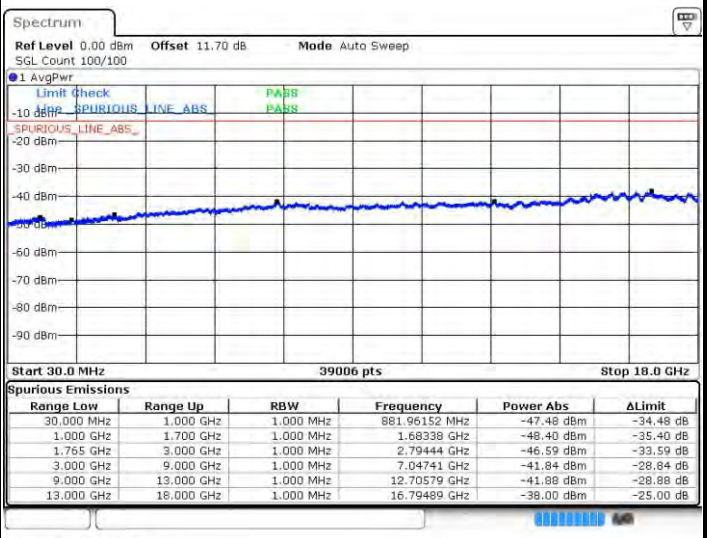


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	886.80910 MHz	-47.41 dBm	-34.41 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65750 GHz	-48.53 dBm	-35.53 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69526 GHz	-46.68 dBm	-33.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.03841 GHz	-41.70 dBm	-28.70 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.23647 GHz	-41.86 dBm	-28.86 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78323 GHz	-37.86 dBm	-24.86 dB

Date: 14.MAY.2016 17:08:27

Middle Channel / 16QAM



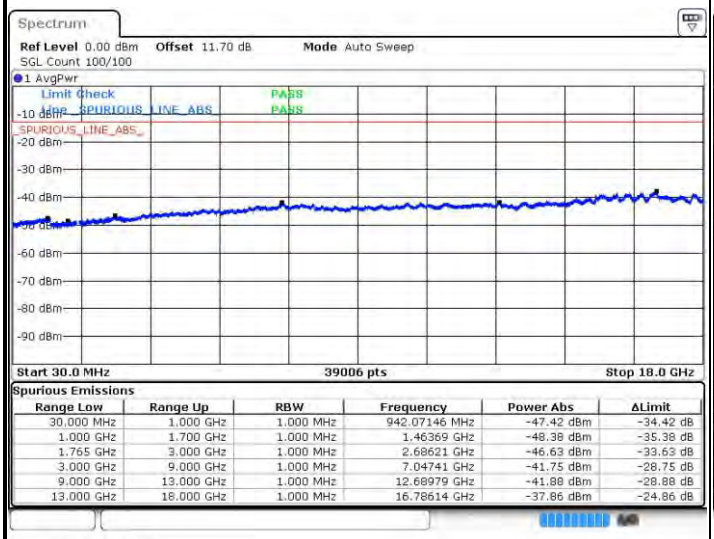
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.96152 MHz	-47.48 dBm	-34.48 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68338 GHz	-48.40 dBm	-35.40 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.79444 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04741 GHz	-41.84 dBm	-28.84 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70579 GHz	-41.88 dBm	-28.88 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79489 GHz	-38.00 dBm	-25.00 dB

Date: 14.MAY.2016 17:09:21

LTE Band 4 / 1.4MHz

Highest Channel / QPSK

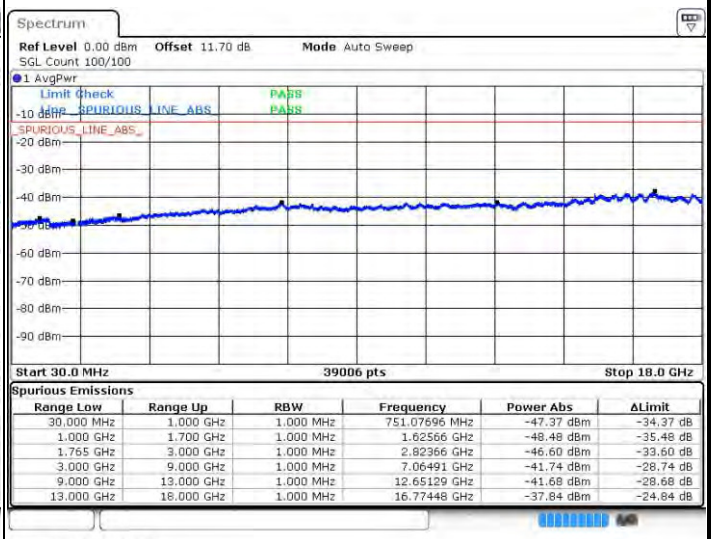


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.07146 MHz	-47.42 dBm	-34.42 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.46369 GHz	-48.38 dBm	-35.38 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68621 GHz	-46.63 dBm	-33.63 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04741 GHz	-41.75 dBm	-28.75 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68979 GHz	-41.88 dBm	-28.88 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78614 GHz	-37.86 dBm	-24.86 dB

Date: 14.MAY.2016 17:15:35

Highest Channel / 16QAM



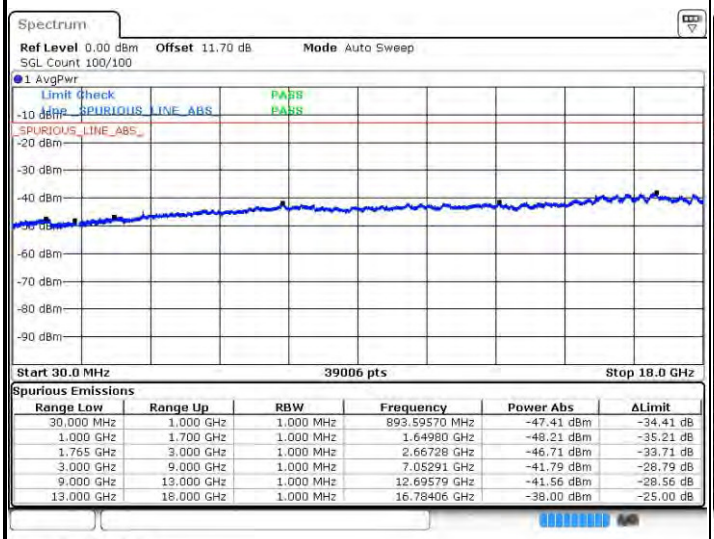
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	751.07696 MHz	-47.37 dBm	-34.37 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.62566 GHz	-48.48 dBm	-35.48 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82366 GHz	-46.60 dBm	-33.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06491 GHz	-41.74 dBm	-28.74 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65129 GHz	-41.68 dBm	-28.68 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77448 GHz	-37.84 dBm	-24.84 dB

Date: 14.MAY.2016 17:16:30

LTE Band 4 / 3MHz

Lowest Channel / QPSK

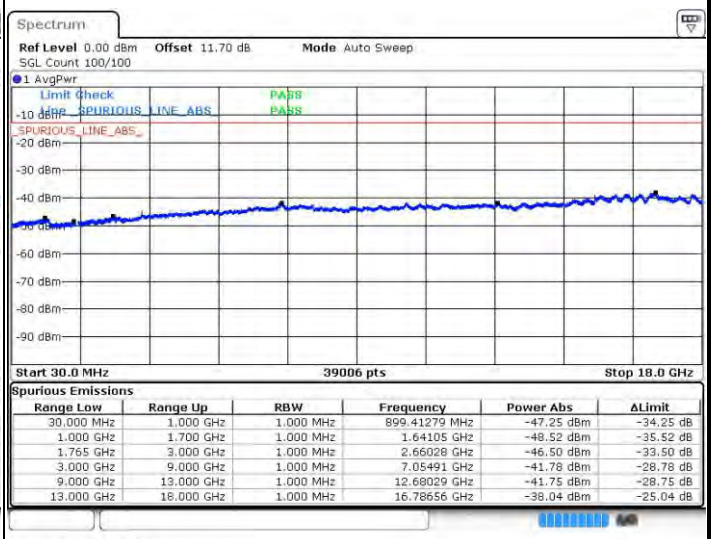


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	893.59570 MHz	-47.41 dBm	-34.41 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64980 GHz	-48.21 dBm	-35.21 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66728 GHz	-46.71 dBm	-33.71 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05291 GHz	-41.79 dBm	-28.79 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69579 GHz	-41.56 dBm	-28.56 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78406 GHz	-38.00 dBm	-25.00 dB

Date: 14.MAY.2016 17:22:43

Lowest Channel / 16QAM



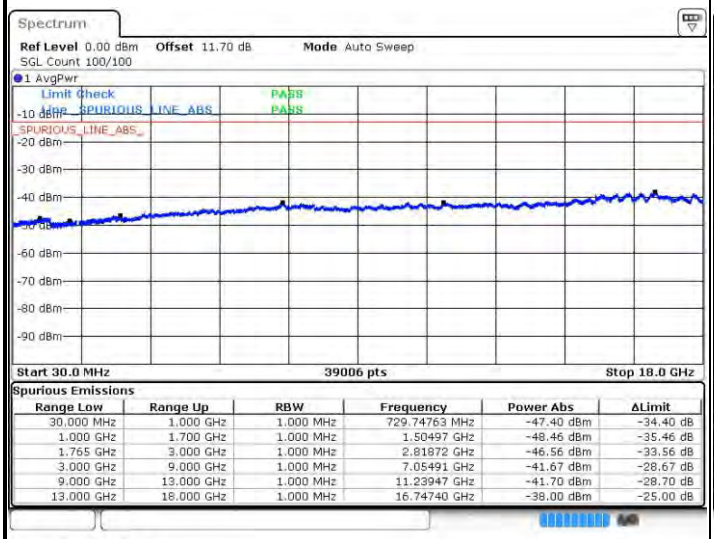
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.41279 MHz	-47.25 dBm	-34.25 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64105 GHz	-48.52 dBm	-35.52 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66028 GHz	-46.50 dBm	-33.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05491 GHz	-41.78 dBm	-28.78 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68029 GHz	-41.75 dBm	-28.75 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78656 GHz	-38.04 dBm	-25.04 dB

Date: 14.MAY.2016 17:23:38

LTE Band 4 / 3MHz

Middle Channel / QPSK

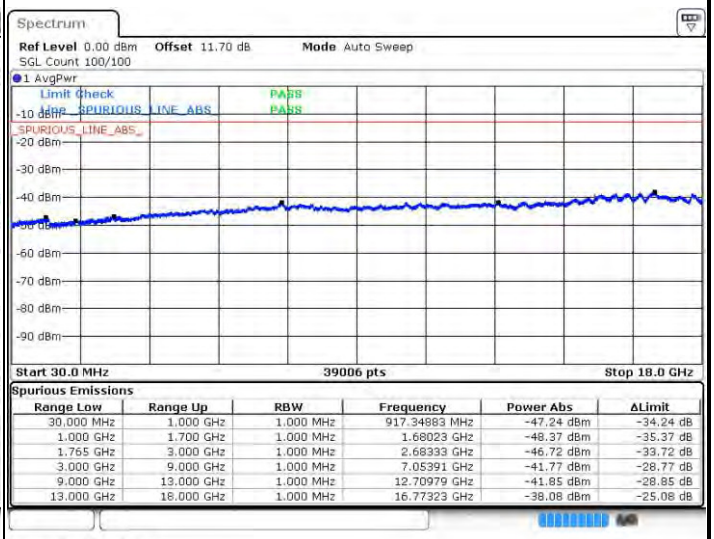


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	729.74763 MHz	-47.40 dBm	-34.40 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.50497 GHz	-48.46 dBm	-35.46 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81872 GHz	-46.56 dBm	-33.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05491 GHz	-41.67 dBm	-28.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.23947 GHz	-41.70 dBm	-28.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.74740 GHz	-38.00 dBm	-25.00 dB

Date: 14.MAY.2016 17:25:14

Middle Channel / 16QAM

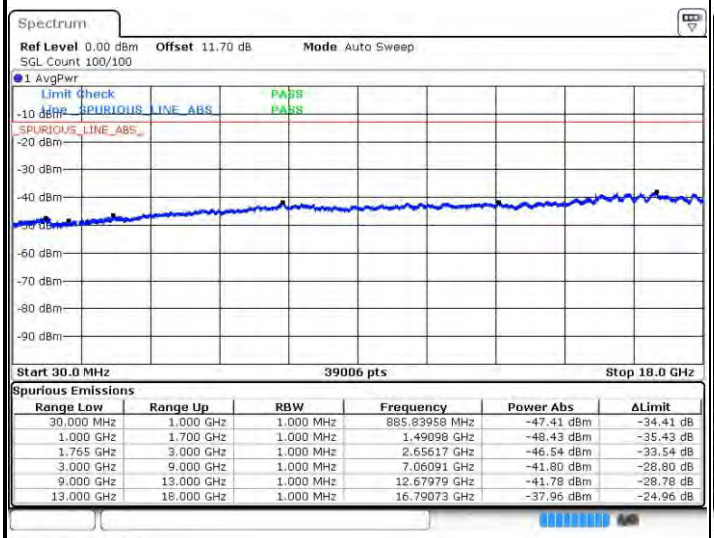


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-47.24 dBm	-34.24 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68023 GHz	-48.37 dBm	-35.37 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68333 GHz	-46.72 dBm	-33.72 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05391 GHz	-41.77 dBm	-28.77 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70979 GHz	-41.85 dBm	-28.85 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77323 GHz	-38.08 dBm	-25.08 dB

Date: 14.MAY.2016 17:26:09

Highest Channel / QPSK

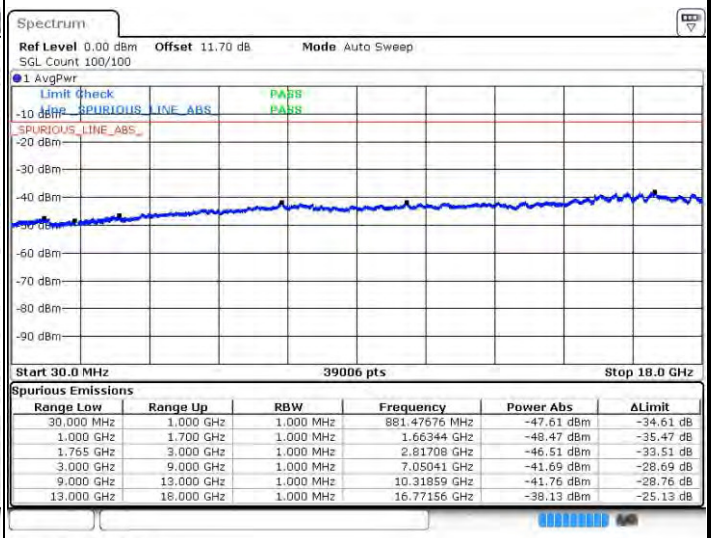


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	885.83958 MHz	-47.41 dBm	-34.41 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.49098 GHz	-48.43 dBm	-35.43 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65617 GHz	-46.54 dBm	-33.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06091 GHz	-41.80 dBm	-28.80 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67979 GHz	-41.78 dBm	-28.78 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79073 GHz	-37.96 dBm	-24.96 dB

Date: 14.MAY.2016 17:32:22

Highest Channel / 16QAM



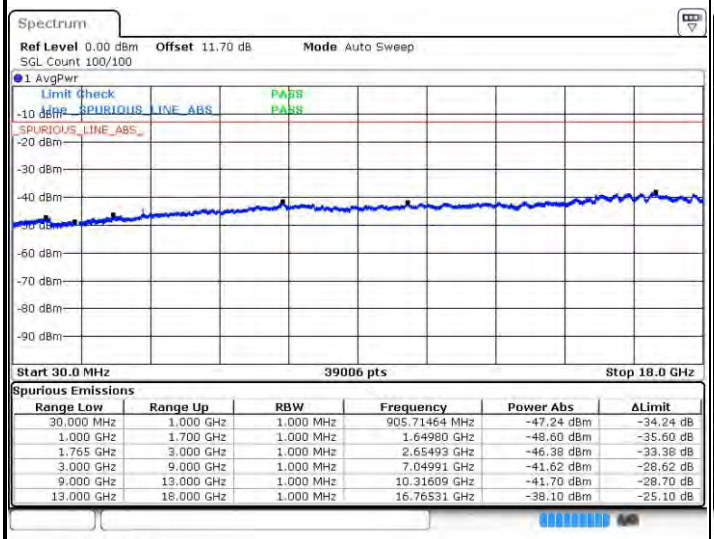
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	881.47676 MHz	-47.61 dBm	-34.61 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66344 GHz	-48.47 dBm	-35.47 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81708 GHz	-46.51 dBm	-33.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05041 GHz	-41.69 dBm	-28.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31859 GHz	-41.76 dBm	-28.76 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77156 GHz	-38.13 dBm	-25.13 dB

Date: 14.MAY.2016 17:33:17

LTE Band 4 / 5MHz

Lowest Channel / QPSK

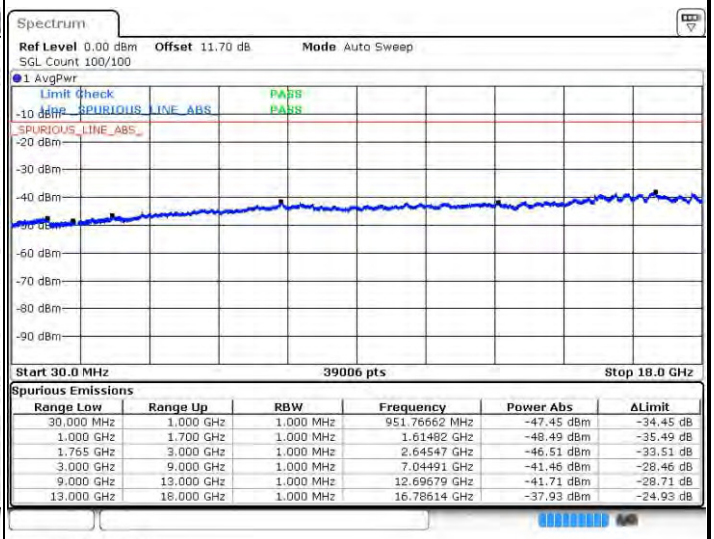


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.71464 MHz	-47.24 dBm	-34.24 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64980 GHz	-48.60 dBm	-35.60 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65493 GHz	-46.38 dBm	-33.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04991 GHz	-41.62 dBm	-28.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31609 GHz	-41.70 dBm	-28.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76531 GHz	-38.10 dBm	-25.10 dB

Date: 14.MAY.2016 17:39:30

Lowest Channel / 16QAM

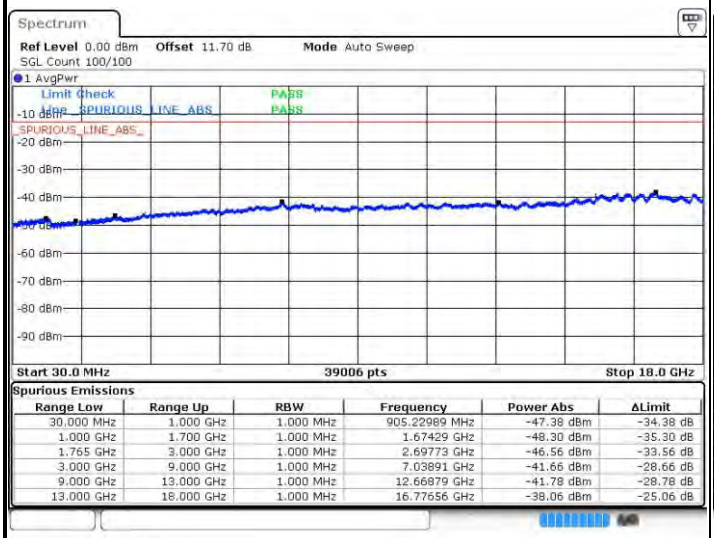


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	951.76662 MHz	-47.45 dBm	-34.45 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61482 GHz	-48.49 dBm	-35.49 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.64547 GHz	-46.51 dBm	-33.51 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04491 GHz	-41.46 dBm	-28.46 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-41.71 dBm	-28.71 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78614 GHz	-37.93 dBm	-24.93 dB

Date: 14.MAY.2016 17:40:25

Middle Channel / QPSK

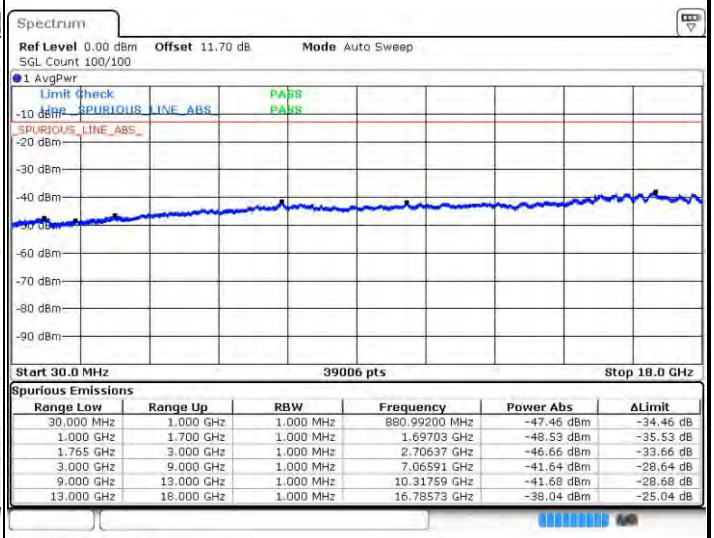


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	905.22989 MHz	-47.38 dBm	-34.38 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67429 GHz	-48.30 dBm	-35.30 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69773 GHz	-46.56 dBm	-33.56 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.03891 GHz	-41.66 dBm	-28.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.66879 GHz	-41.78 dBm	-28.78 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77656 GHz	-38.06 dBm	-25.06 dB

Date: 14.MAY.2016 17:42:01

Middle Channel / 16QAM



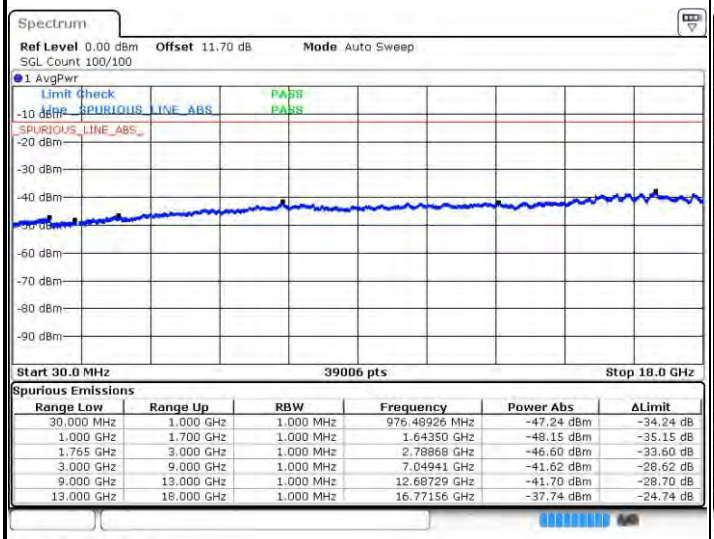
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.99200 MHz	-47.46 dBm	-34.46 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69703 GHz	-48.53 dBm	-35.53 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.70637 GHz	-46.66 dBm	-33.66 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06591 GHz	-41.64 dBm	-28.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31759 GHz	-41.68 dBm	-28.68 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78573 GHz	-38.04 dBm	-25.04 dB

Date: 14.MAY.2016 17:42:56

LTE Band 4 / 5MHz

Highest Channel / QPSK

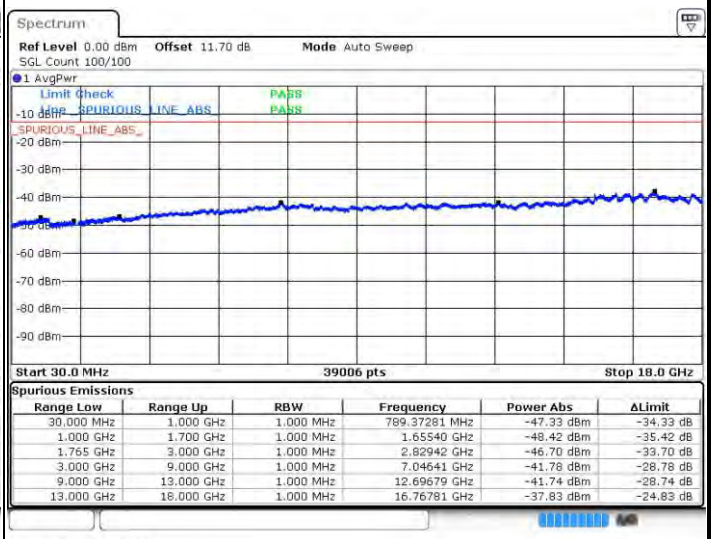


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	976.48926 MHz	-47.24 dBm	-34.24 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64350 GHz	-48.15 dBm	-35.15 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.78868 GHz	-46.60 dBm	-33.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04941 GHz	-41.62 dBm	-28.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68729 GHz	-41.70 dBm	-28.70 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77156 GHz	-37.74 dBm	-24.74 dB

Date: 14.MAY.2016 17:49:10

Highest Channel / 16QAM



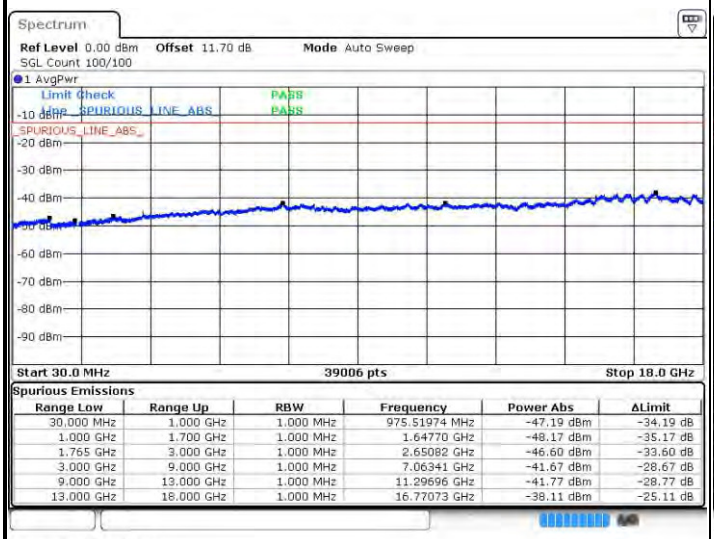
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	789.37281 MHz	-47.33 dBm	-34.33 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65540 GHz	-48.42 dBm	-35.42 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82942 GHz	-46.70 dBm	-33.70 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04641 GHz	-41.78 dBm	-28.78 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-41.74 dBm	-28.74 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76781 GHz	-37.83 dBm	-24.83 dB

Date: 14.MAY.2016 17:50:04

LTE Band 4 / 10MHz

Lowest Channel / QPSK

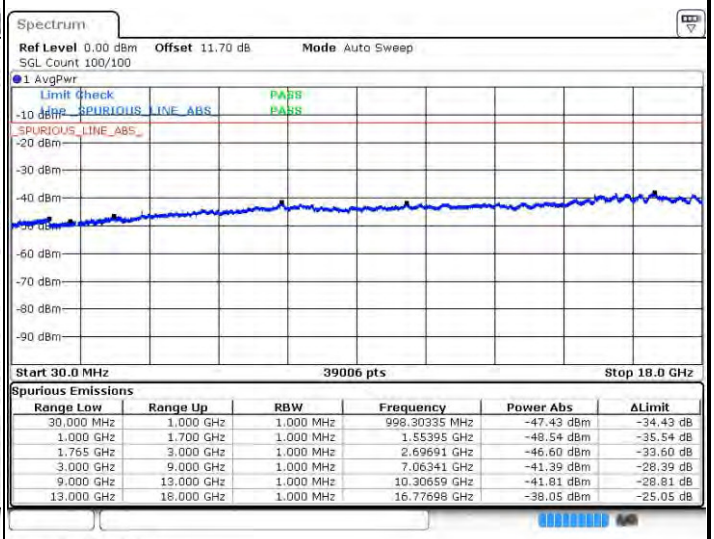


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	975.51974 MHz	-47.19 dBm	-34.19 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64770 GHz	-48.17 dBm	-35.17 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65082 GHz	-46.60 dBm	-33.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06341 GHz	-41.67 dBm	-28.67 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.29696 GHz	-41.77 dBm	-28.77 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77073 GHz	-38.11 dBm	-25.11 dB

Date: 14.MAY.2016 17:56:18

Lowest Channel / 16QAM



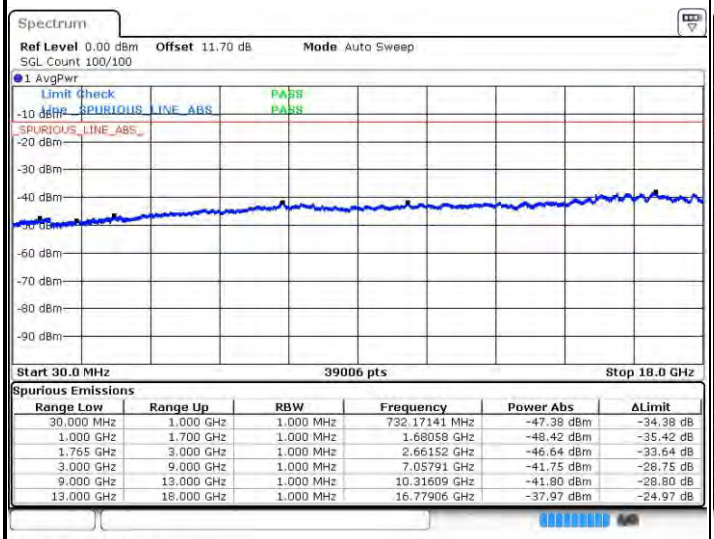
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.30335 MHz	-47.43 dBm	-34.43 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.55395 GHz	-48.54 dBm	-35.54 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69691 GHz	-46.60 dBm	-33.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06341 GHz	-41.39 dBm	-28.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30659 GHz	-41.81 dBm	-28.81 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77698 GHz	-38.05 dBm	-25.05 dB

Date: 14.MAY.2016 17:57:12

LTE Band 4 / 10MHz

Middle Channel / QPSK

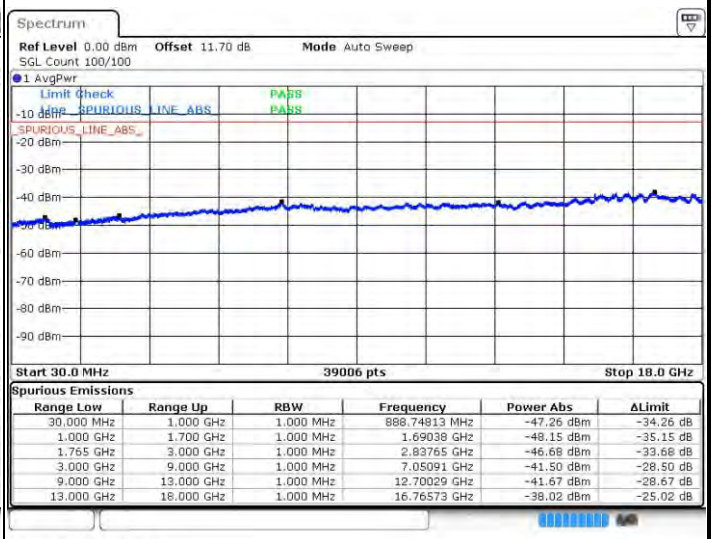


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	732.17141 MHz	-47.38 dBm	-34.38 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68058 GHz	-48.42 dBm	-35.42 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66152 GHz	-46.64 dBm	-33.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05791 GHz	-41.75 dBm	-28.75 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31609 GHz	-41.80 dBm	-28.80 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77906 GHz	-37.97 dBm	-24.97 dB

Date: 14.MAY.2016 18:06:29

Middle Channel / 16QAM

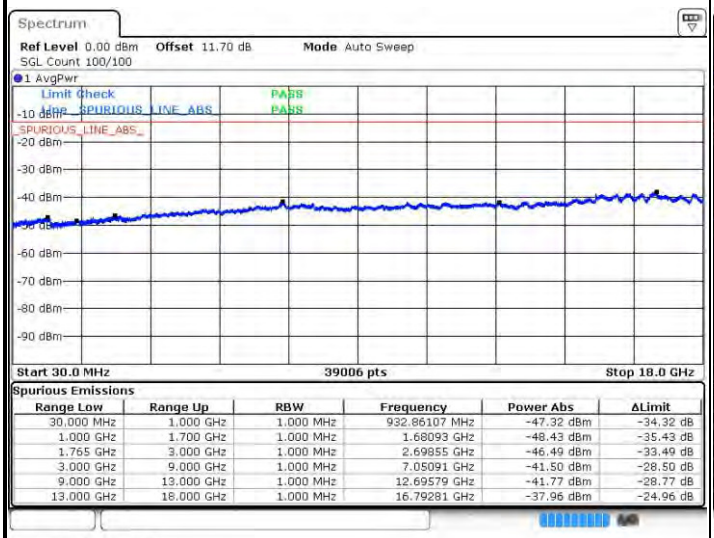


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.74813 MHz	-47.26 dBm	-34.26 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69038 GHz	-48.15 dBm	-35.15 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83765 GHz	-46.68 dBm	-33.68 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05091 GHz	-41.50 dBm	-28.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70029 GHz	-41.67 dBm	-28.67 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76573 GHz	-38.02 dBm	-25.02 dB

Date: 14.MAY.2016 18:07:23

Highest Channel / QPSK

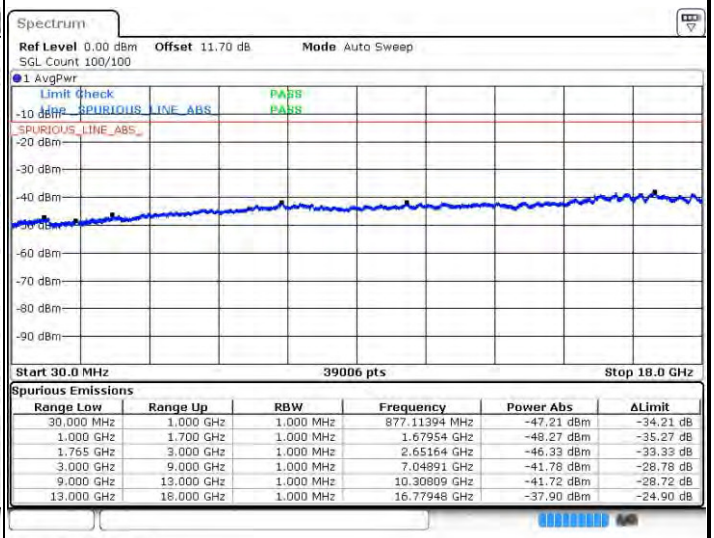


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	932.86107 MHz	-47.32 dBm	-34.32 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68093 GHz	-48.43 dBm	-35.43 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.69855 GHz	-46.49 dBm	-33.49 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05091 GHz	-41.50 dBm	-28.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69579 GHz	-41.77 dBm	-28.77 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.79281 GHz	-37.96 dBm	-24.96 dB

Date: 14.MAY.2016 18:13:37

Highest Channel / 16QAM



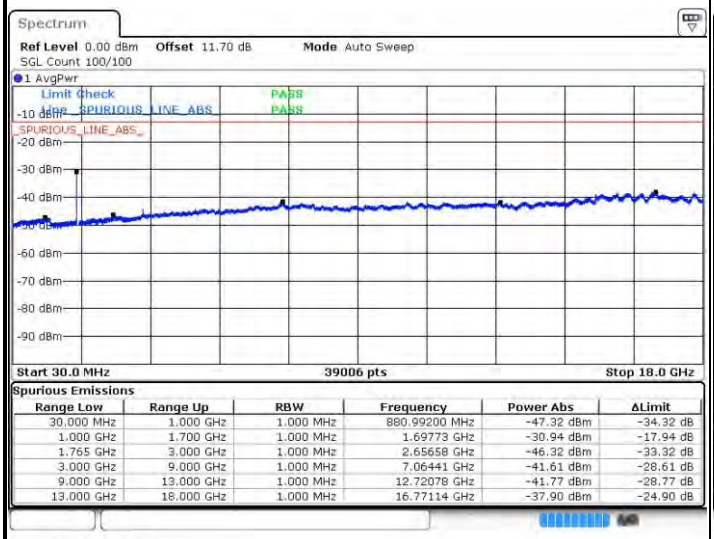
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	877.11394 MHz	-47.21 dBm	-34.21 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67954 GHz	-48.27 dBm	-35.27 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65164 GHz	-46.33 dBm	-33.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04891 GHz	-41.78 dBm	-28.78 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.30809 GHz	-41.72 dBm	-28.72 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77948 GHz	-37.90 dBm	-24.90 dB

Date: 14.MAY.2016 18:14:32

LTE Band 4 / 15MHz

Lowest Channel / QPSK

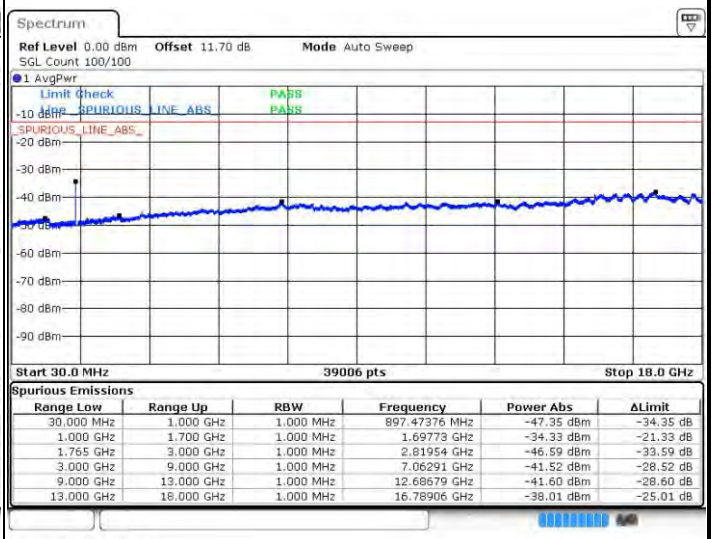


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.99200 MHz	-47.32 dBm	-34.32 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-30.94 dBm	-17.94 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.65658 GHz	-46.32 dBm	-33.32 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06441 GHz	-41.61 dBm	-28.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.72078 GHz	-41.77 dBm	-28.77 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77114 GHz	-37.90 dBm	-24.90 dB

Date: 14.MAY.2016 18:20:45

Lowest Channel / 16QAM

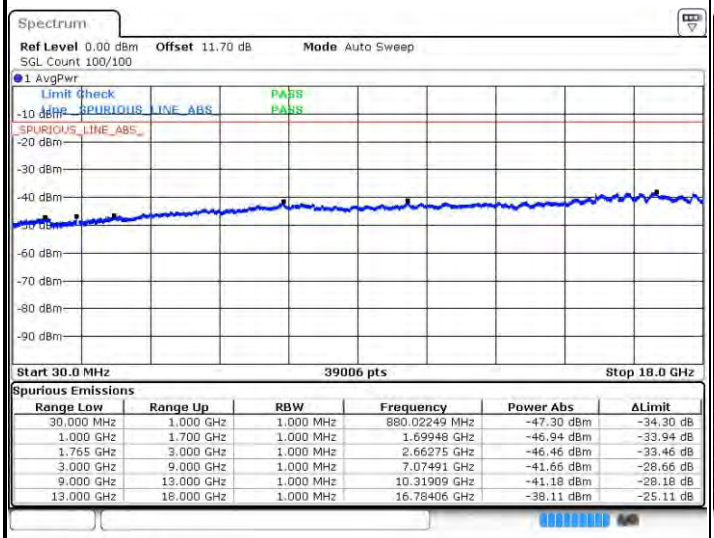


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	897.47376 MHz	-47.35 dBm	-34.35 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-34.33 dBm	-21.33 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81954 GHz	-46.59 dBm	-33.59 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06291 GHz	-41.52 dBm	-28.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68679 GHz	-41.60 dBm	-28.60 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78906 GHz	-38.01 dBm	-25.01 dB

Date: 14.MAY.2016 18:21:40

Middle Channel / QPSK

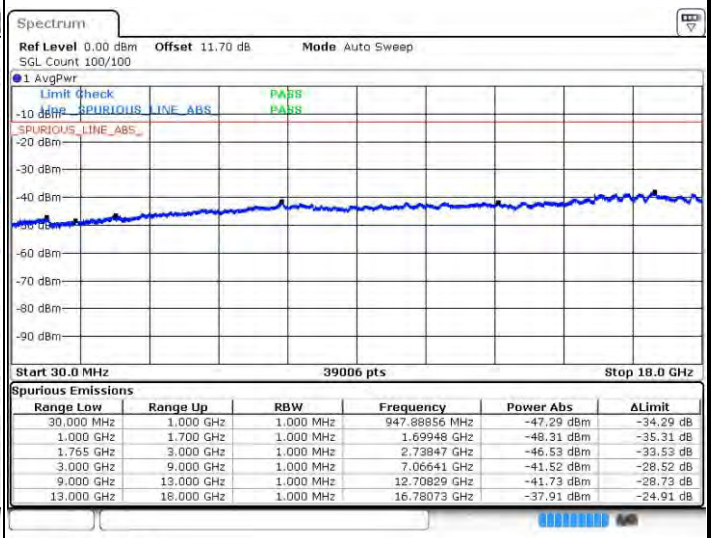


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.02249 MHz	-47.30 dBm	-34.30 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-46.94 dBm	-33.94 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.66275 GHz	-46.46 dBm	-33.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07491 GHz	-41.66 dBm	-28.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.31909 GHz	-41.18 dBm	-28.18 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78406 GHz	-38.11 dBm	-25.11 dB

Date: 14.MAY.2016 18:23:16

Middle Channel / 16QAM



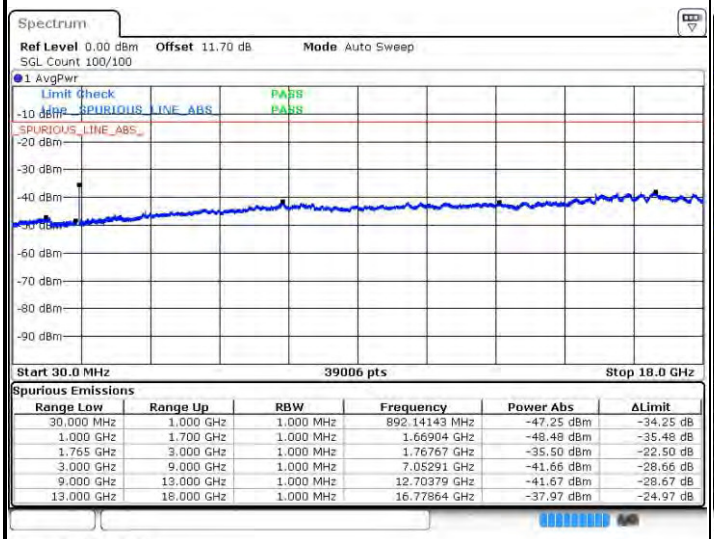
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	947.88856 MHz	-47.29 dBm	-34.29 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-48.31 dBm	-35.31 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.73847 GHz	-46.53 dBm	-33.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06641 GHz	-41.52 dBm	-28.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-41.73 dBm	-28.73 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78073 GHz	-37.91 dBm	-24.91 dB

Date: 14.MAY.2016 18:24:11

LTE Band 4 / 15MHz

Highest Channel / QPSK

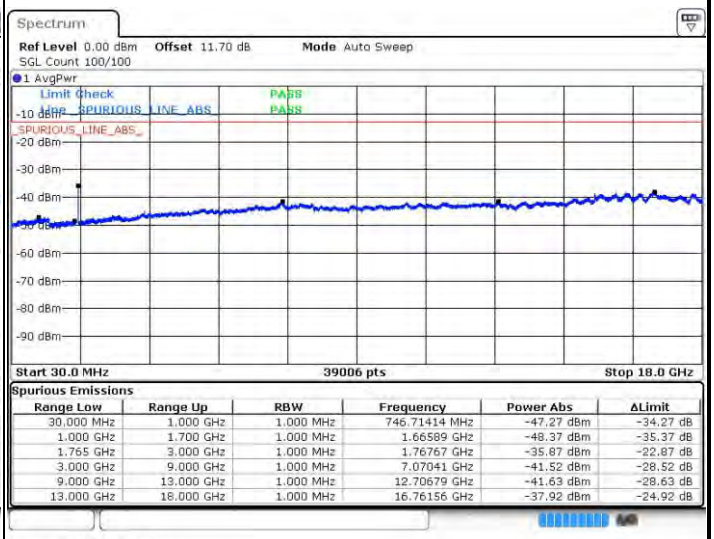


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.14143 MHz	-47.25 dBm	-34.25 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66904 GHz	-48.48 dBm	-35.48 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-35.50 dBm	-22.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05291 GHz	-41.66 dBm	-28.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70379 GHz	-41.67 dBm	-28.67 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77864 GHz	-37.97 dBm	-24.97 dB

Date: 14.MAY.2016 18:30:24

Highest Channel / 16QAM



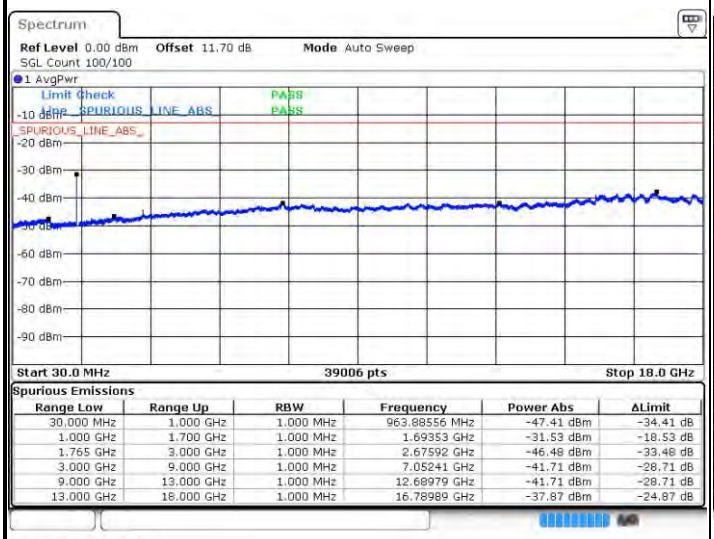
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	746.71414 MHz	-47.27 dBm	-34.27 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66589 GHz	-48.37 dBm	-35.37 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-35.87 dBm	-22.87 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.07041 GHz	-41.52 dBm	-28.52 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70679 GHz	-41.63 dBm	-28.63 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.76156 GHz	-37.92 dBm	-24.92 dB

Date: 14.MAY.2016 18:31:19

LTE Band 4 / 20MHz

Lowest Channel / QPSK

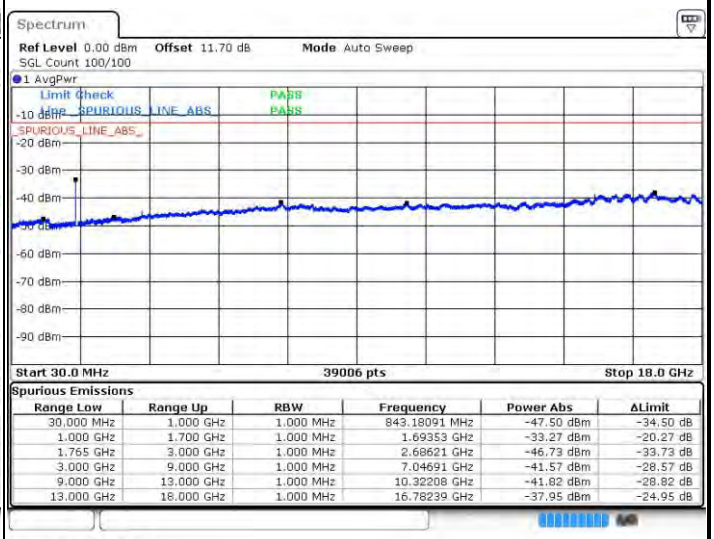


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	963.88556 MHz	-47.41 dBm	-34.41 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-31.53 dBm	-18.53 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.67592 GHz	-46.48 dBm	-33.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05241 GHz	-41.71 dBm	-28.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68979 GHz	-41.71 dBm	-28.71 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78989 GHz	-37.87 dBm	-24.87 dB

Date: 14.MAY.2016 18:37:33

Lowest Channel / 16QAM



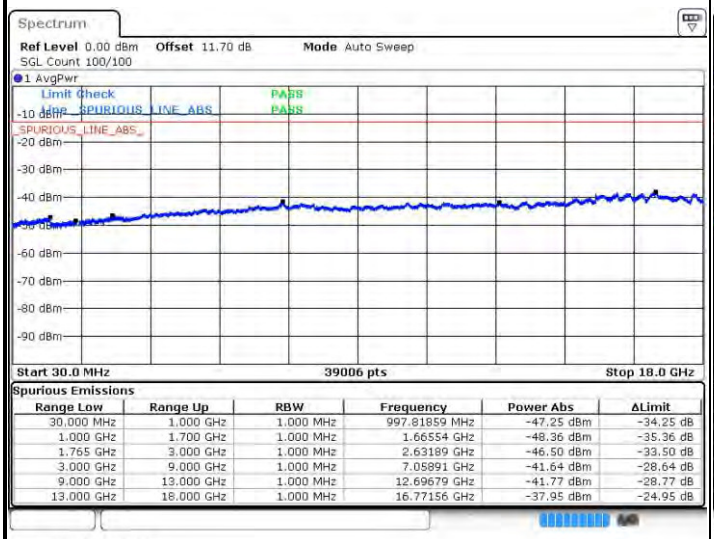
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	843.18091 MHz	-47.50 dBm	-34.50 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-33.27 dBm	-20.27 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.68621 GHz	-46.73 dBm	-33.73 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04691 GHz	-41.57 dBm	-28.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.32208 GHz	-41.82 dBm	-28.82 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78239 GHz	-37.95 dBm	-24.95 dB

Date: 14.MAY.2016 18:38:28

LTE Band 4 / 20MHz

Middle Channel / QPSK

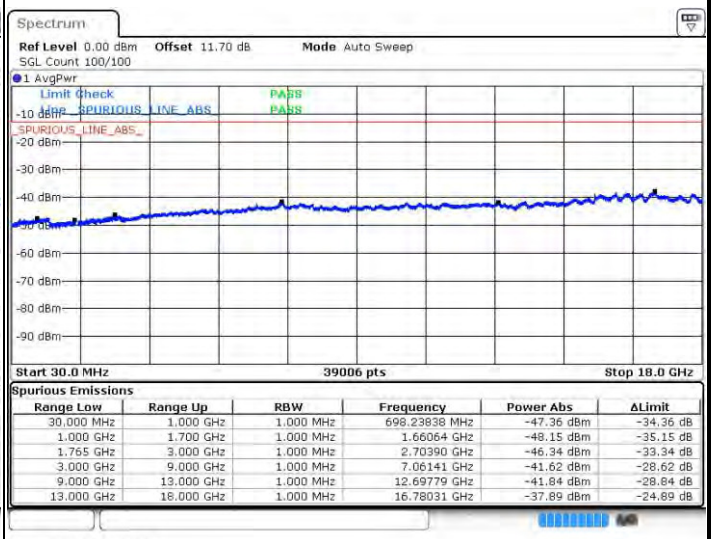


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-47.25 dBm	-34.25 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66554 GHz	-48.36 dBm	-35.36 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.63189 GHz	-46.50 dBm	-33.50 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.05891 GHz	-41.64 dBm	-28.64 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-41.77 dBm	-28.77 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77156 GHz	-37.95 dBm	-24.95 dB

Date: 14.MAY.2016 18:40:04

Middle Channel / 16QAM

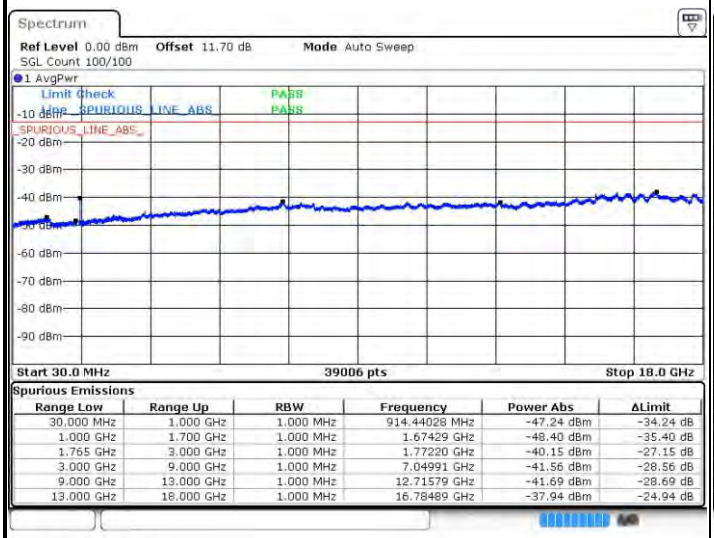


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	698.23838 MHz	-47.36 dBm	-34.36 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66064 GHz	-48.15 dBm	-35.15 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.70390 GHz	-46.34 dBm	-33.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.06141 GHz	-41.62 dBm	-28.62 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-41.84 dBm	-28.84 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78031 GHz	-37.89 dBm	-24.89 dB

Date: 14.MAY.2016 18:40:59

Highest Channel / QPSK

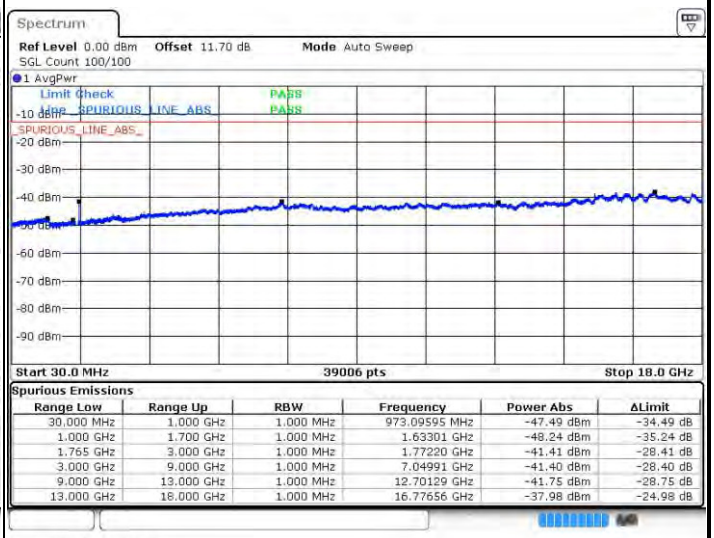


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.44028 MHz	-47.24 dBm	-34.24 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67429 GHz	-48.40 dBm	-35.40 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-40.15 dBm	-27.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04991 GHz	-41.56 dBm	-28.56 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.71579 GHz	-41.69 dBm	-28.69 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.78489 GHz	-37.94 dBm	-24.94 dB

Date: 14.MAY.2016 18:47:13

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	973.09595 MHz	-47.49 dBm	-34.49 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.63301 GHz	-48.24 dBm	-35.24 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-41.41 dBm	-28.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	7.04991 GHz	-41.40 dBm	-28.40 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70129 GHz	-41.75 dBm	-28.75 dB
13.000 GHz	18.000 GHz	1.000 MHz	16.77656 GHz	-37.98 dBm	-24.98 dB

Date: 14.MAY.2016 18:48:07

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0098	PASS
40	Normal Voltage	0.0001	
30	Normal Voltage	0.0095	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0095	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0105	
20	Maximum Voltage	0.0100	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0007	

Note:

1. Normal Voltage = 4.0V. ；Battery End Point (BEP) = 3.6 V.；Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

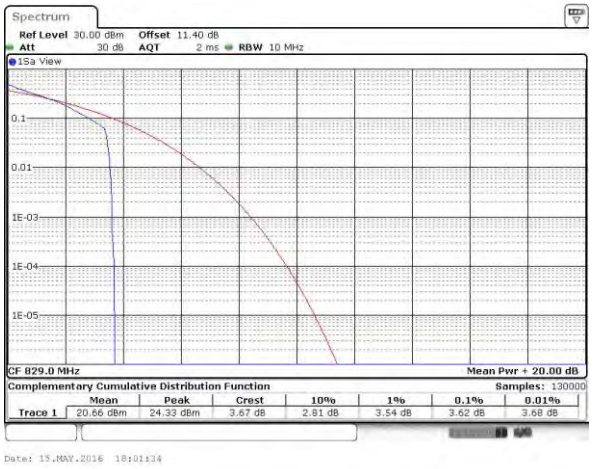
LTE Band 5

Peak-to-Average Ratio

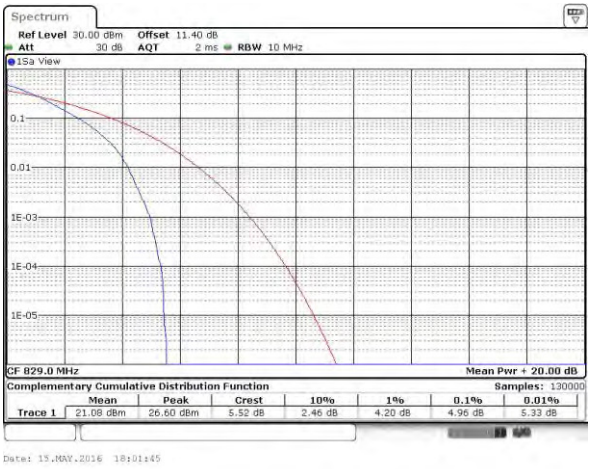
Mode	LTE Band 5 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.62	4.96	4.43	5.91	PASS
Middle CH	3.94	5.04	4.49	6.06	
Highest CH	3.80	4.81	4.61	5.71	

LTE Band 5 / 10MHz / QPSK

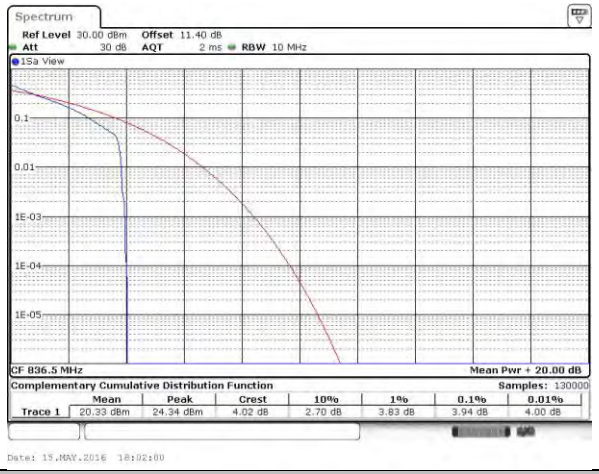
Lowest Channel / 1RB



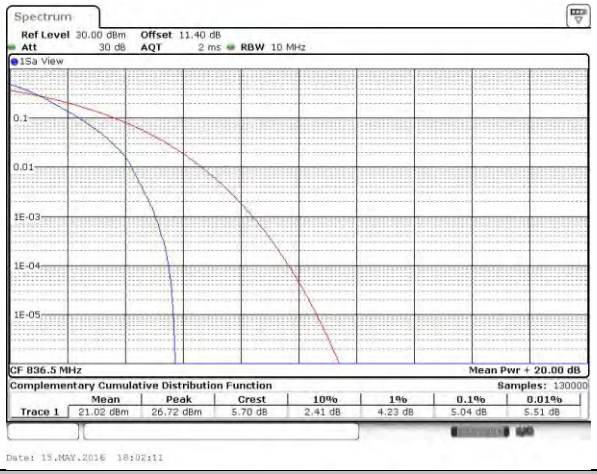
Lowest Channel / Full RB



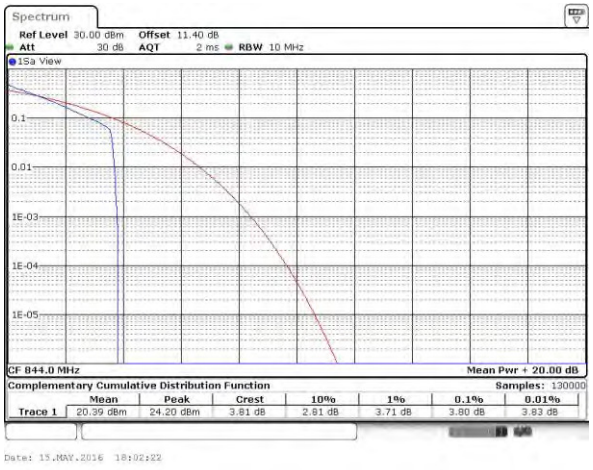
Middle Channel / 1RB



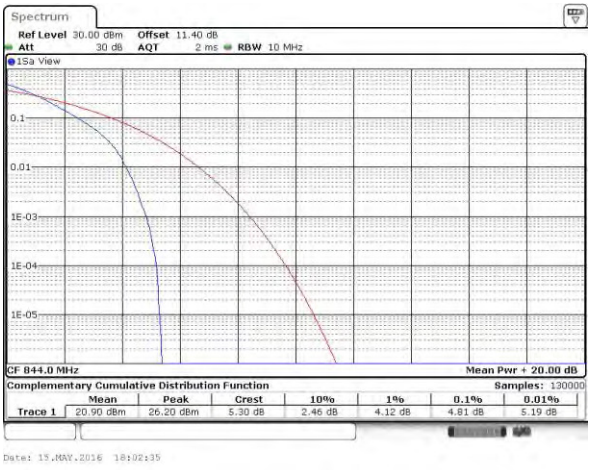
Middle Channel / Full RB



Highest Channel / 1RB

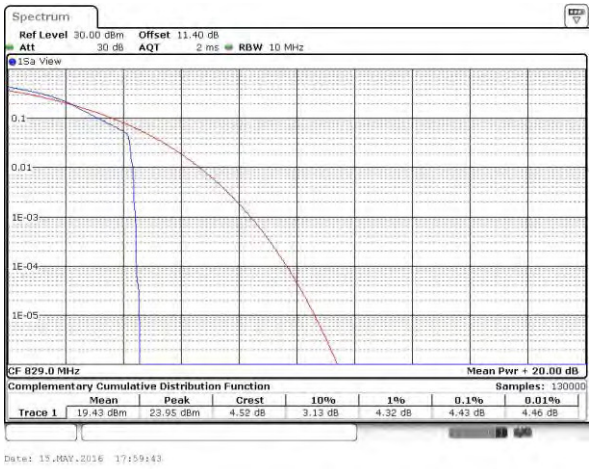


Highest Channel / Full RB

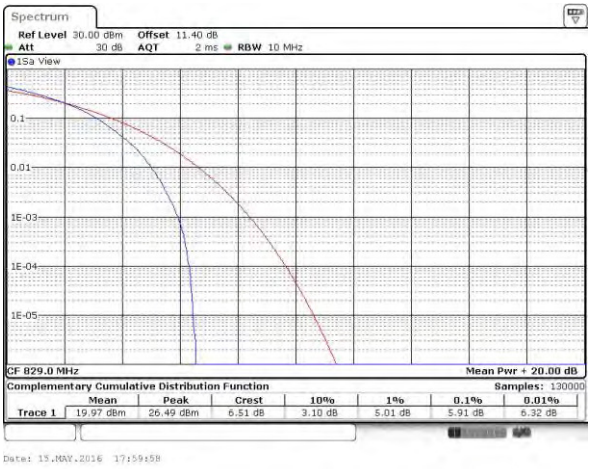


LTE Band 5 / 10MHz / 16QAM

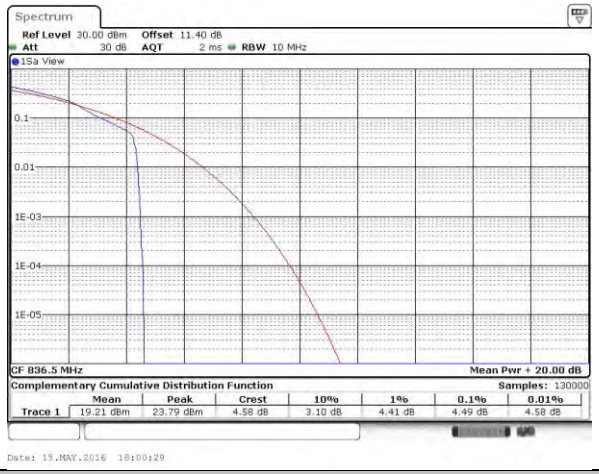
Lowest Channel / 1RB



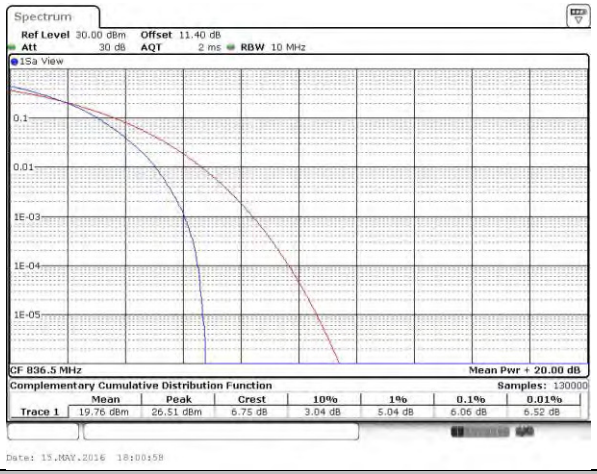
Lowest Channel / Full RB



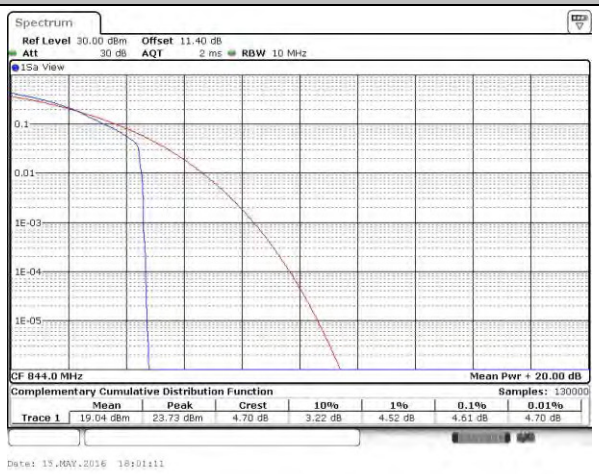
Middle Channel / 1RB



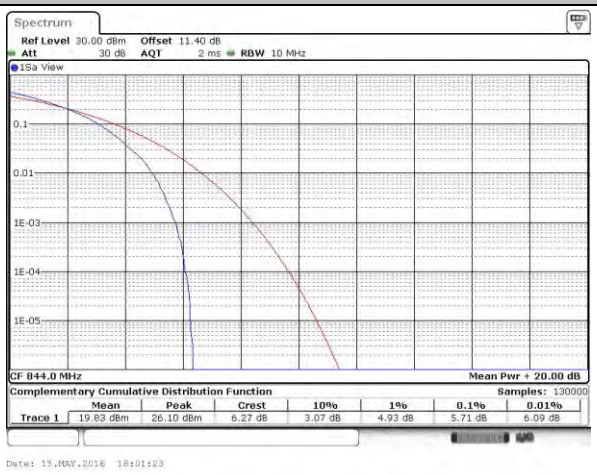
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

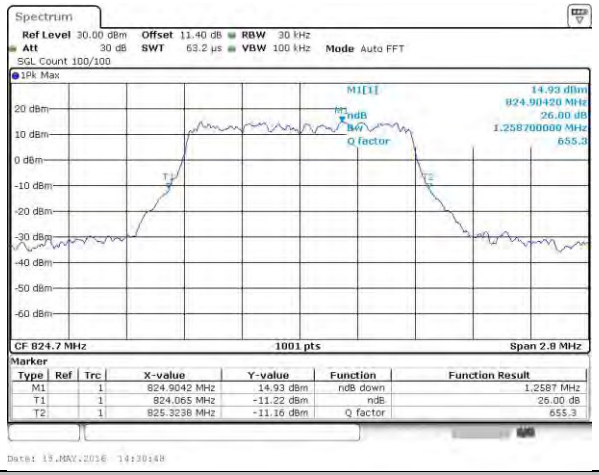


26dB Bandwidth

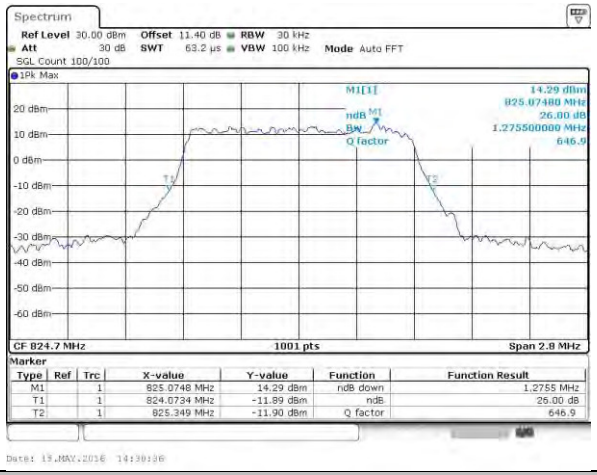
Mode	LTE Band 5 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.26	1.28	3.02	2.99	5.00	4.95	10.03	9.71	-	-	-	-
Middle CH	1.26	1.29	3.01	2.97	4.95	4.90	9.67	9.67	-	-	-	-
Highest CH	1.26	1.27	3.02	2.98	4.93	4.88	9.83	9.79	-	-	-	-

LTE Band 5

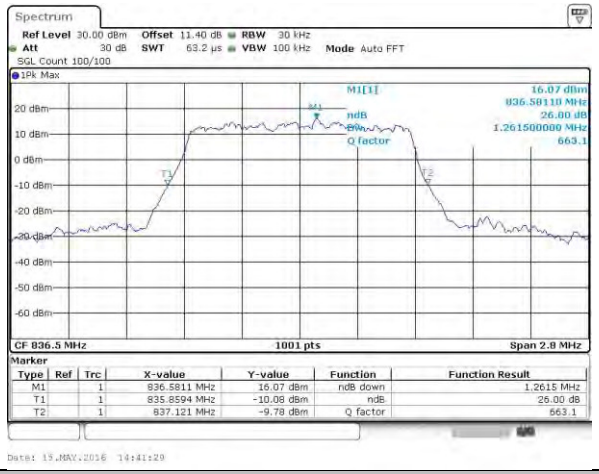
Lowest Channel / 1.4MHz / QPSK



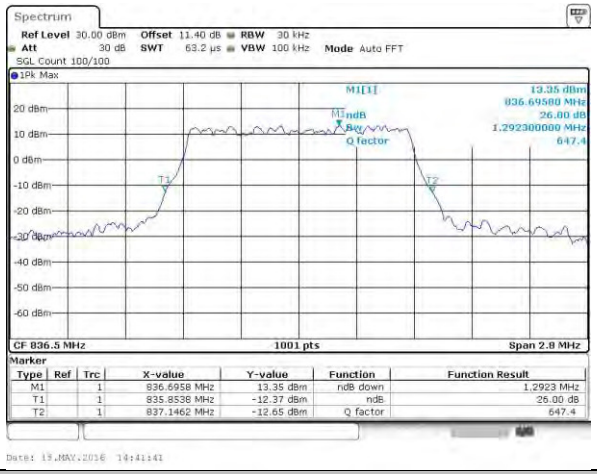
Lowest Channel / 1.4MHz / 16QAM



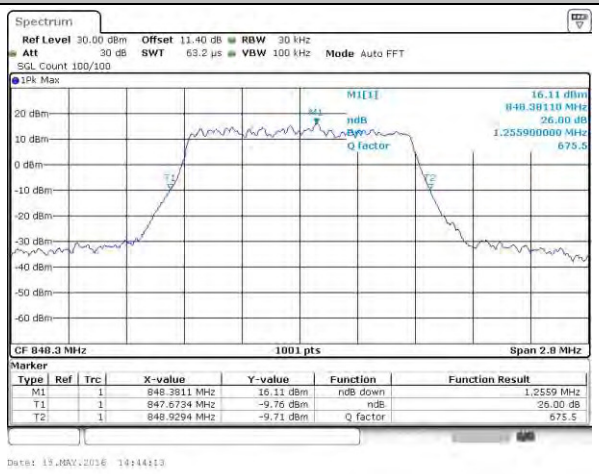
Middle Channel / 1.4MHz / QPSK



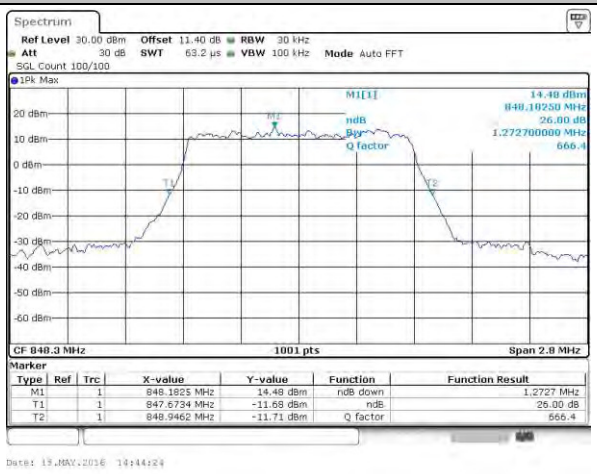
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

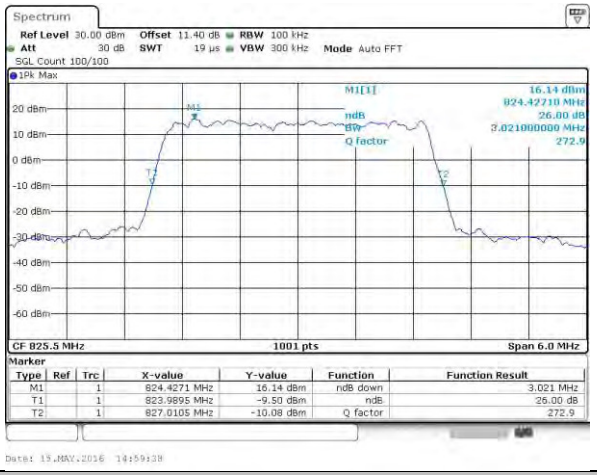


Highest Channel / 1.4MHz / 16QAM

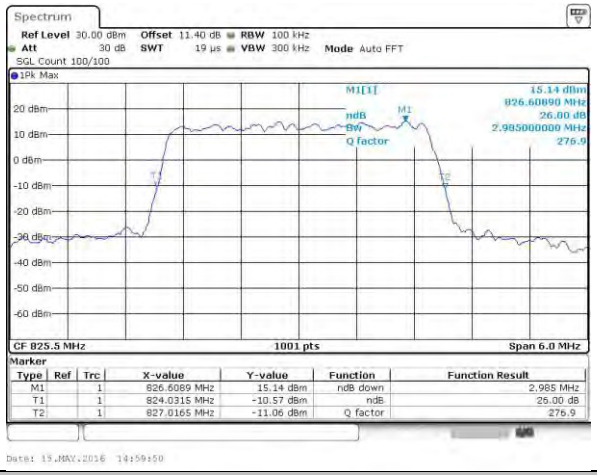


LTE Band 5

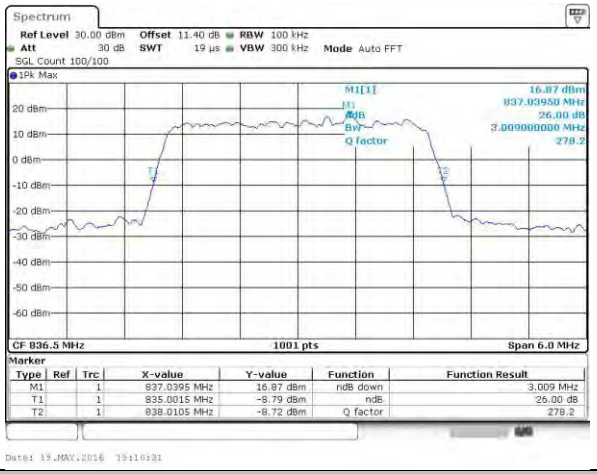
Lowest Channel / 3MHz / QPSK



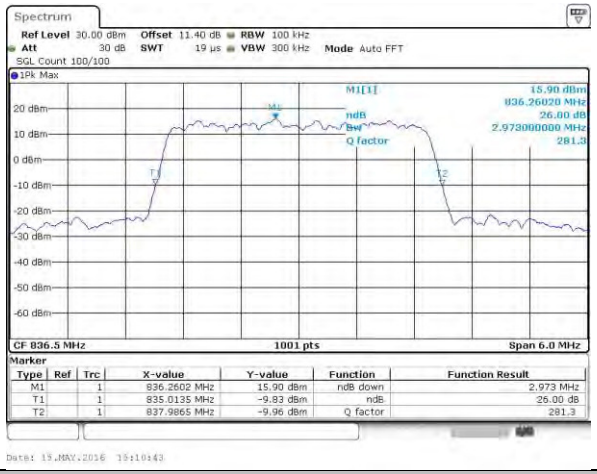
Lowest Channel / 3MHz / 16QAM



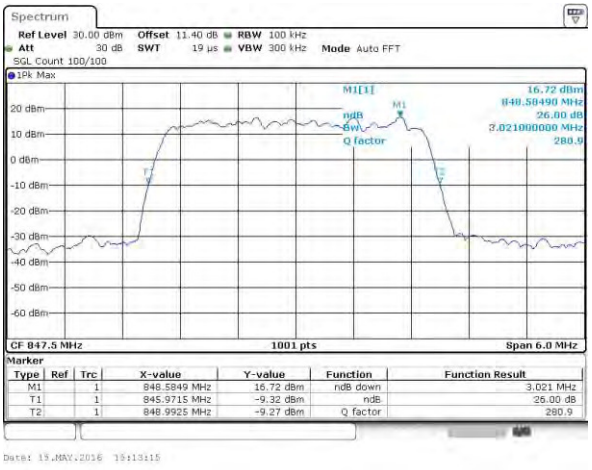
Middle Channel / 3MHz / QPSK



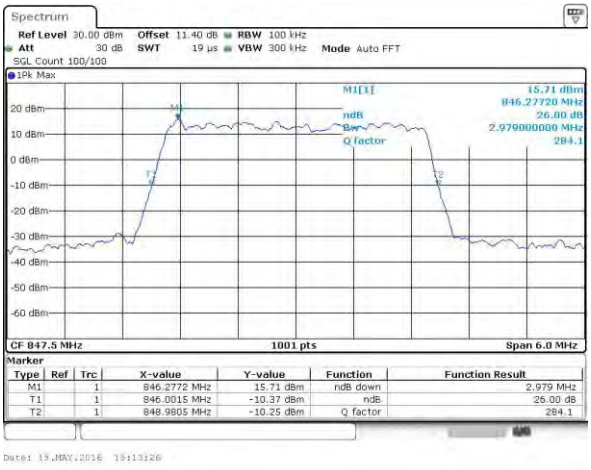
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

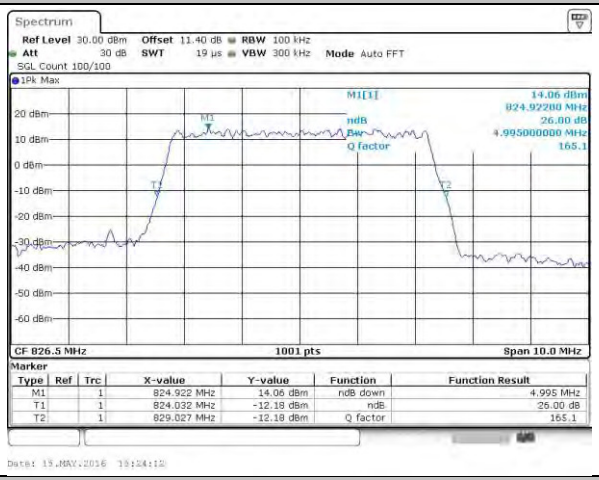


Highest Channel /3MHz / 16QAM

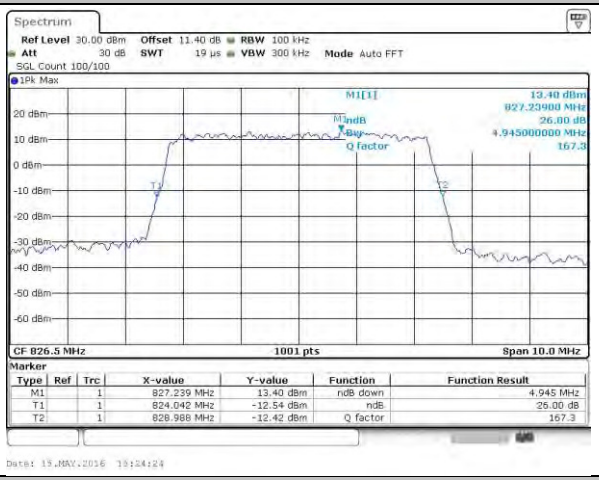


LTE Band 5

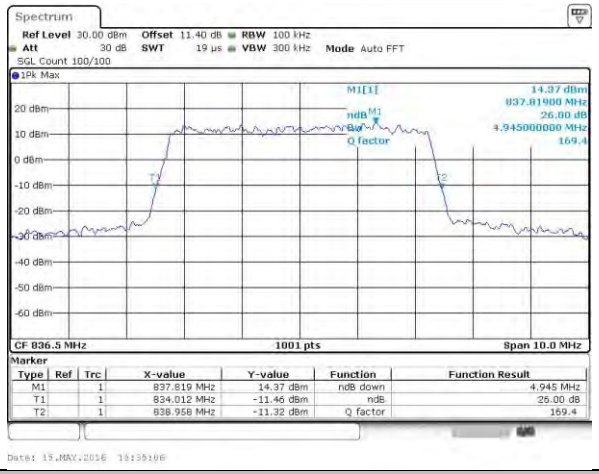
Lowest Channel / 5MHz / QPSK



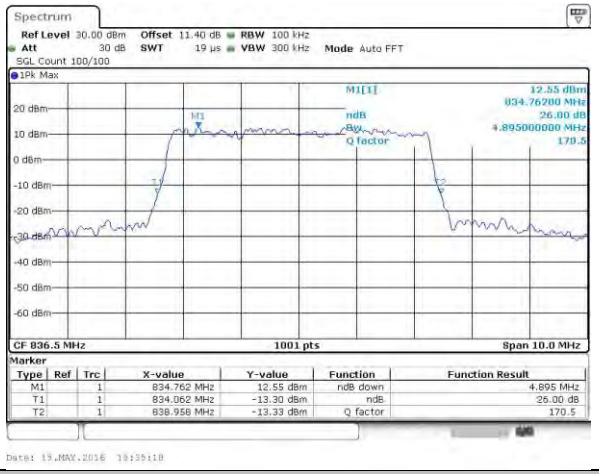
Lowest Channel / 5MHz / 16QAM



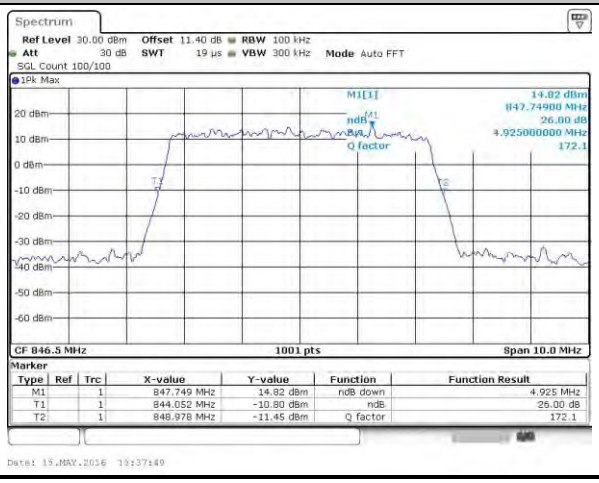
Middle Channel / 5MHz / QPSK



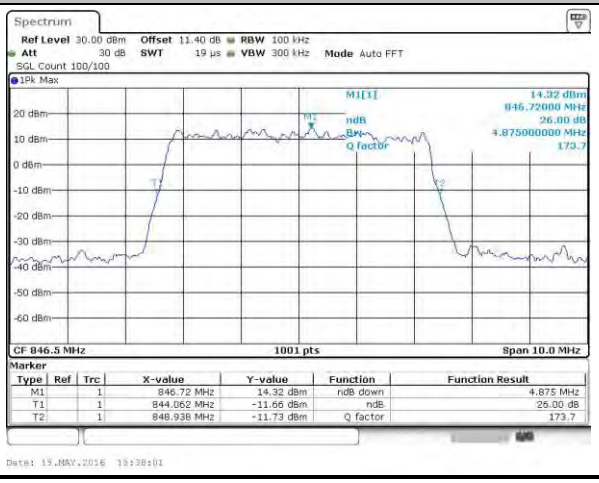
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

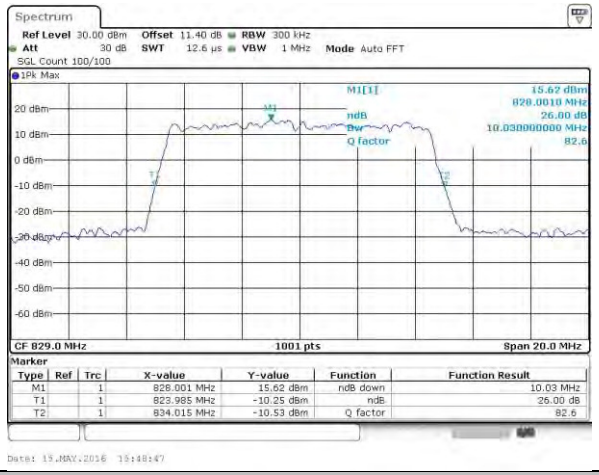


Highest Channel / 5MHz / 16QAM

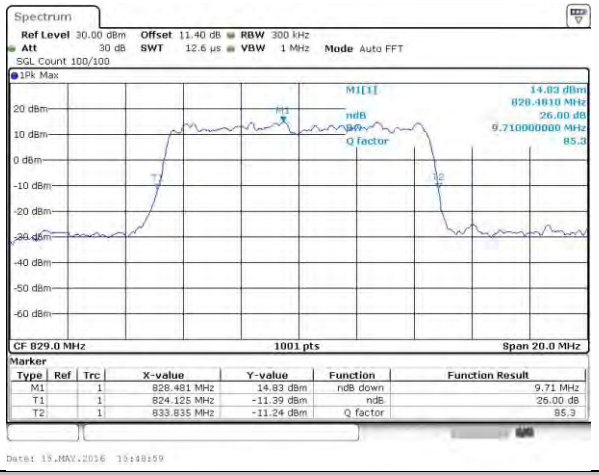


LTE Band 5

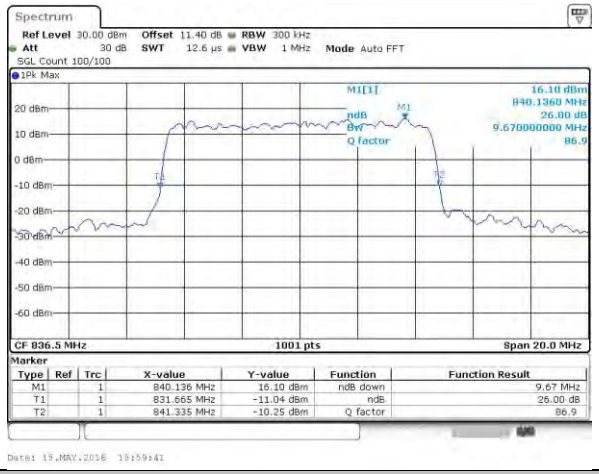
Lowest Channel / 10MHz / QPSK



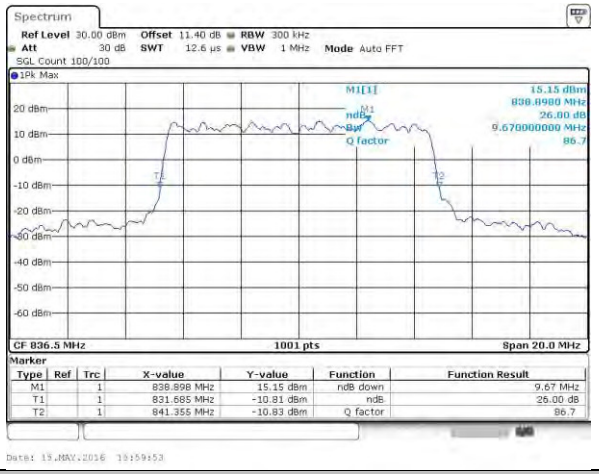
Lowest Channel / 10MHz / 16QAM



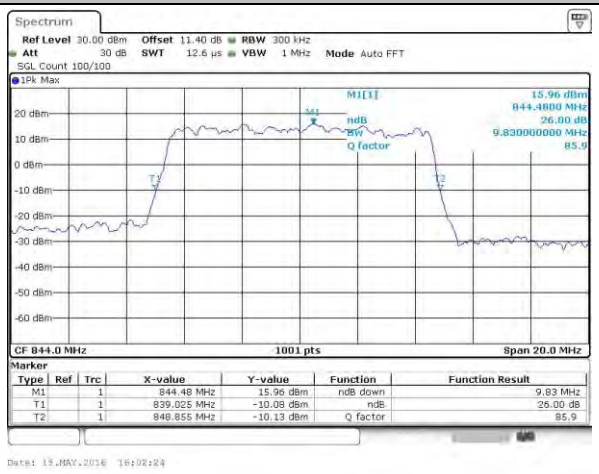
Middle Channel / 10MHz / QPSK



Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM