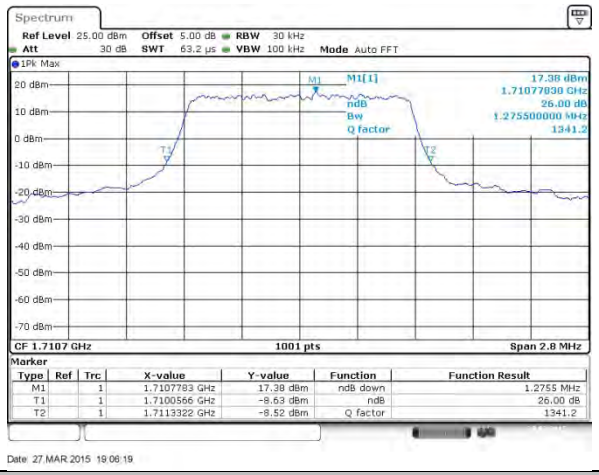
26dB Bandwidth

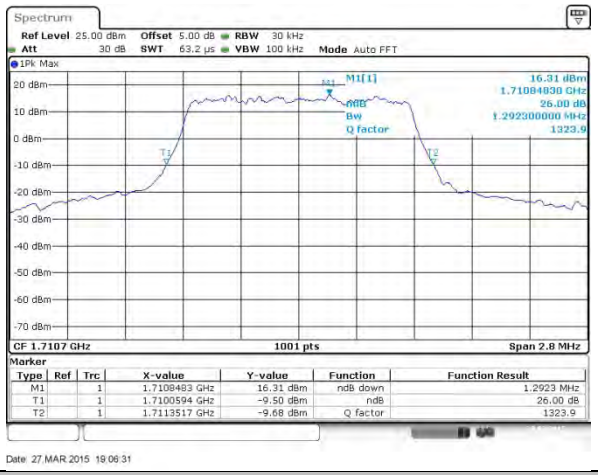
Mode	LTE Band 4 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.28	1.29	3.05	3.05	5.01	4.98	9.97	9.93	14.51	14.72	20.30	20.10
Middle CH	1.29	1.29	3.05	3.05	5.02	5.03	9.95	10.05	14.69	14.69	20.42	20.34
Highest CH	1.28	1.30	3.05	3.04	5.05	5.05	10.03	9.91	14.63	14.51	20.22	20.18

LTE Band 4

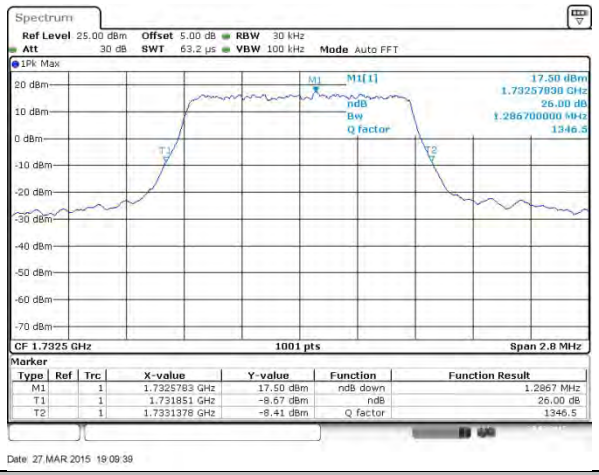
Lowest Channel / 1.4MHz / QPSK



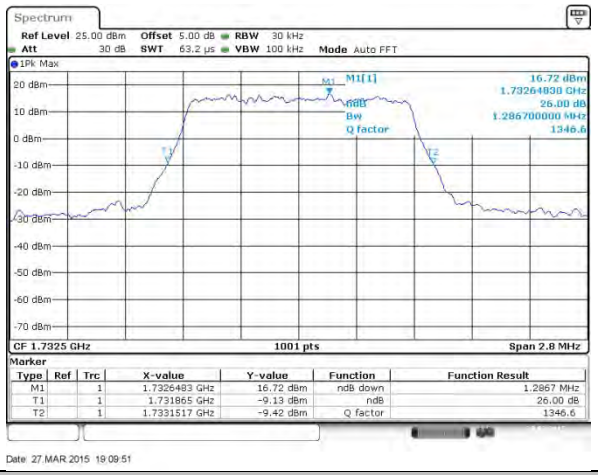
Lowest Channel / 1.4MHz / 16QAM



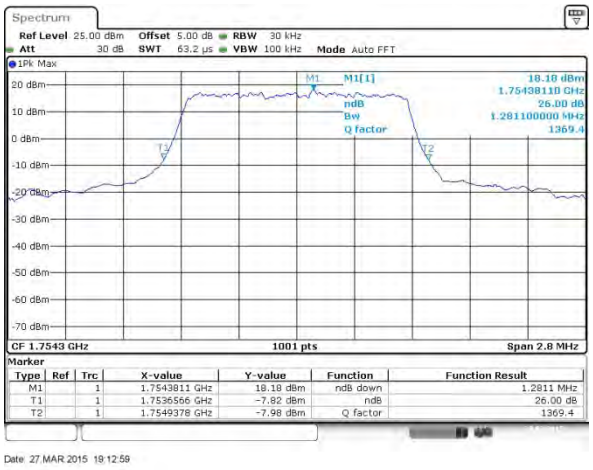
Middle Channel / 1.4MHz / QPSK



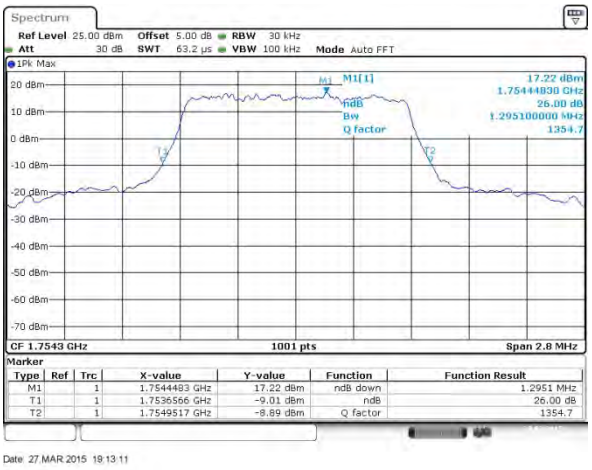
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

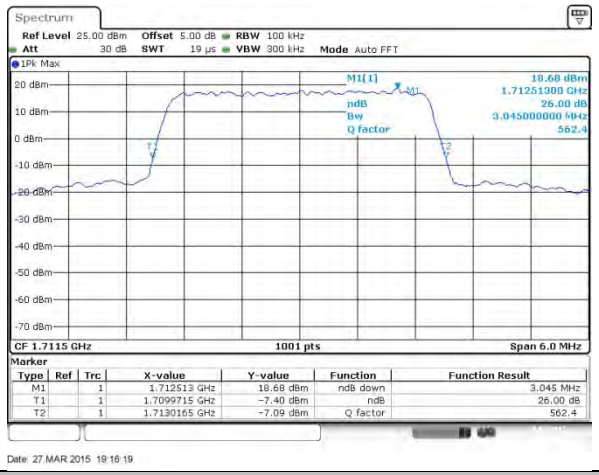


Highest Channel / 1.4MHz / 16QAM

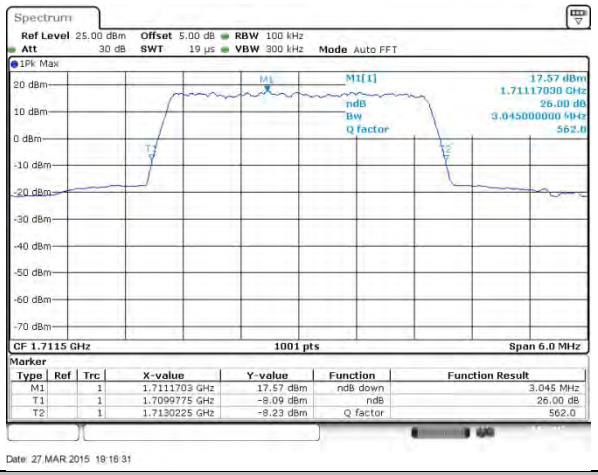


LTE Band 4

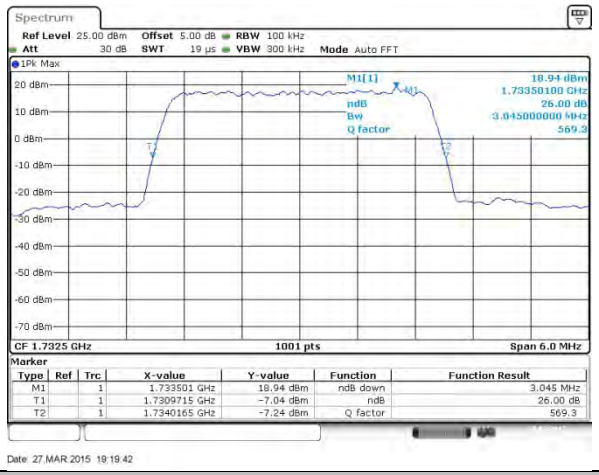
Lowest Channel / 3MHz / QPSK



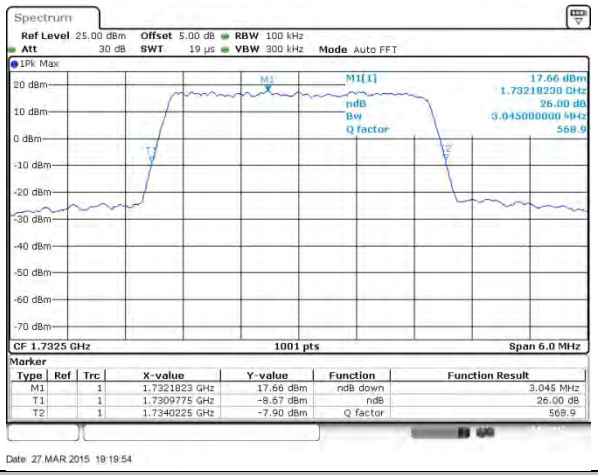
Lowest Channel / 3MHz / 16QAM



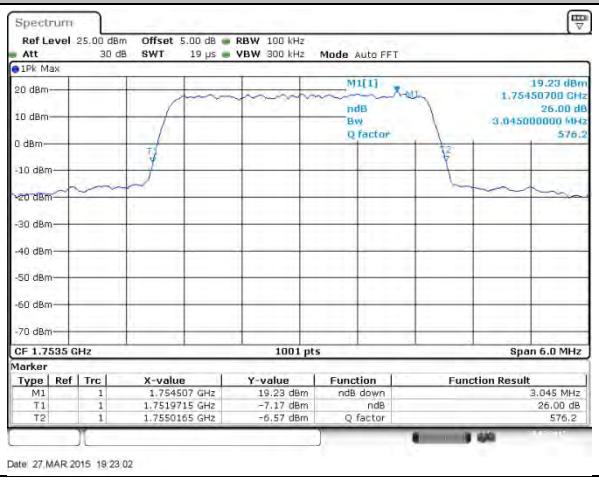
Middle Channel / 3MHz / QPSK



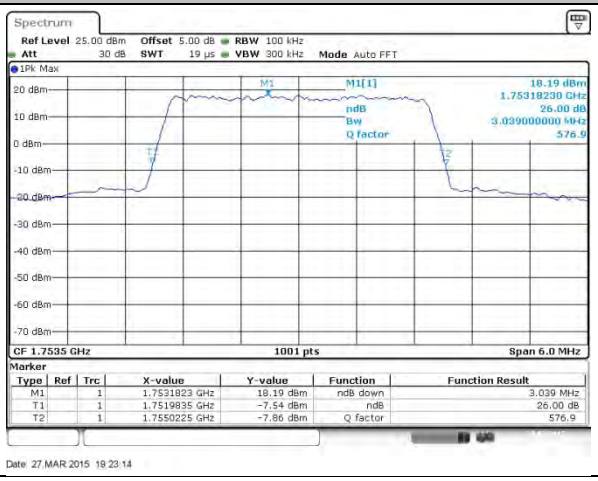
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

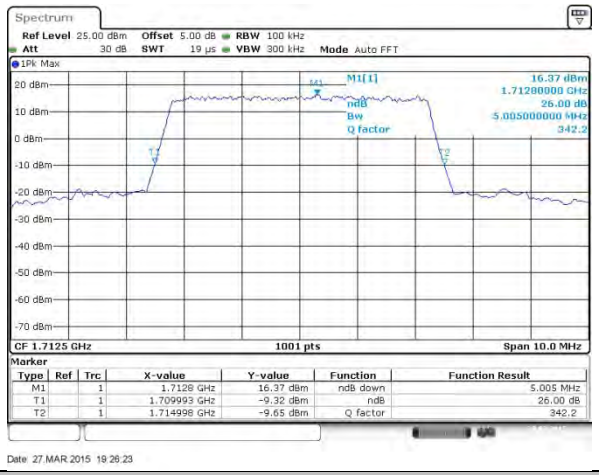


Highest Channel /3MHz / 16QAM

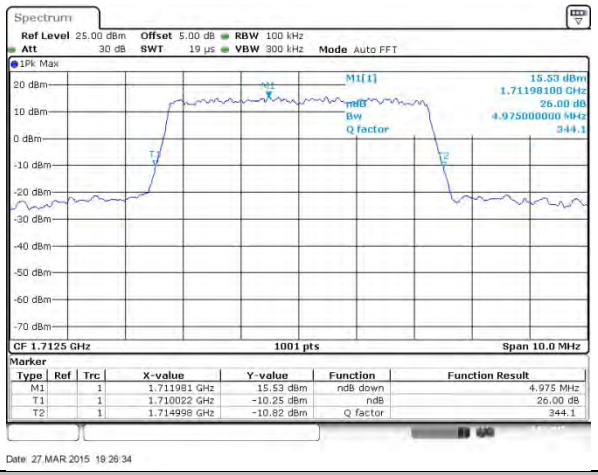


LTE Band 4

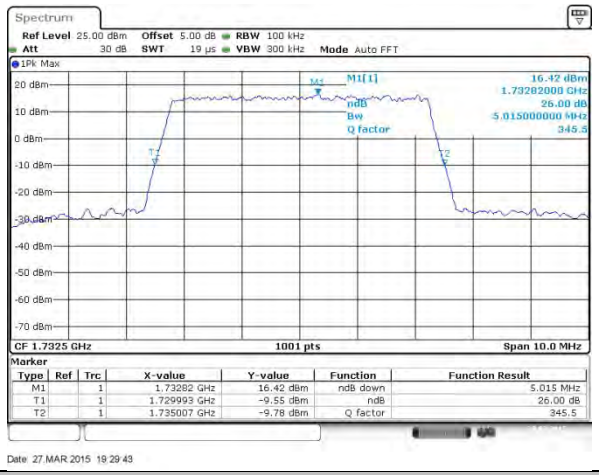
Lowest Channel / 5MHz / QPSK



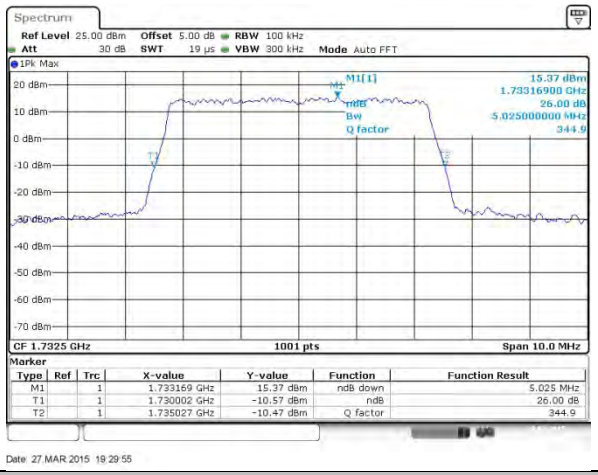
Lowest Channel / 5MHz / 16QAM



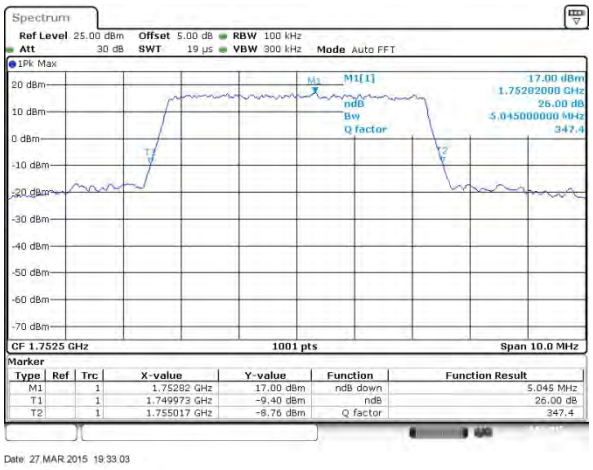
Middle Channel / 5MHz / QPSK



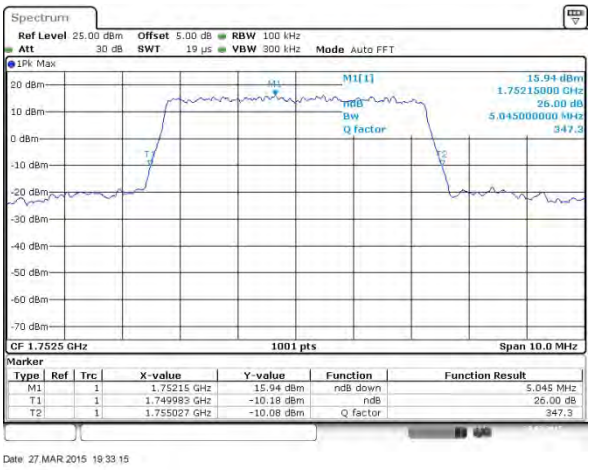
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

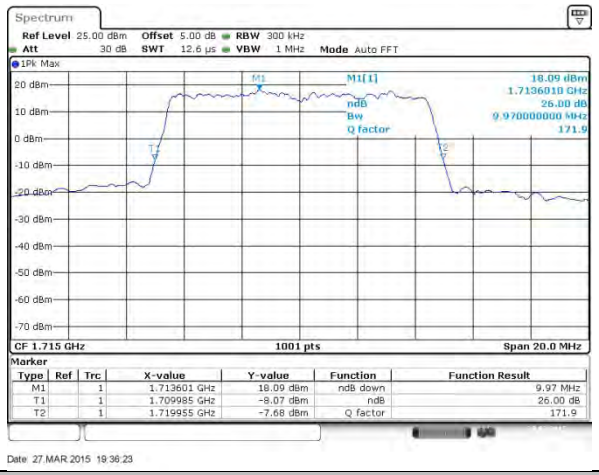


Highest Channel / 5MHz / 16QAM

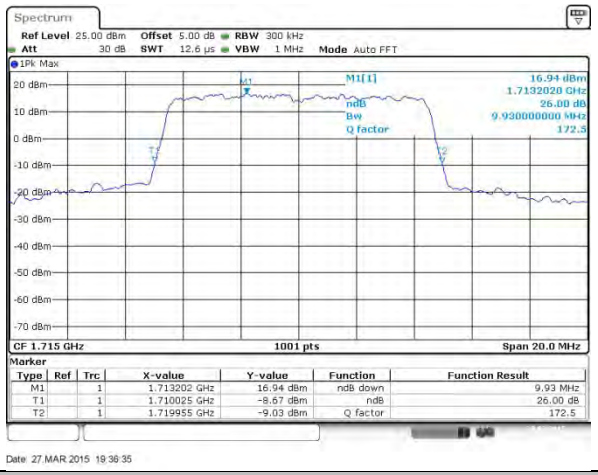


LTE Band 4

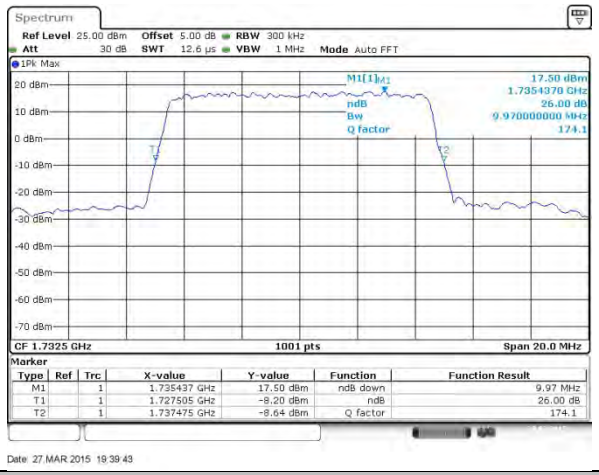
Lowest Channel / 10MHz / QPSK



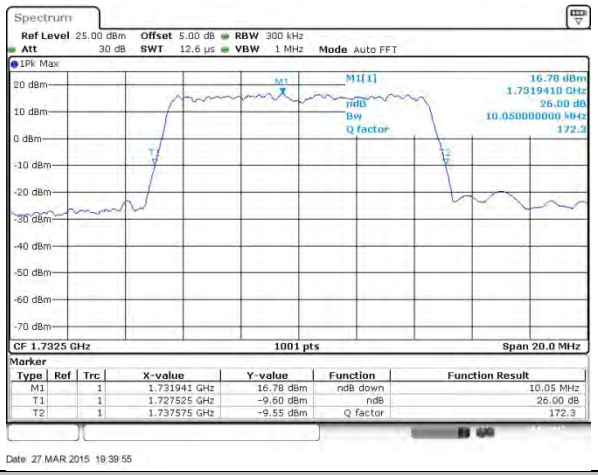
Lowest Channel / 10MHz / 16QAM



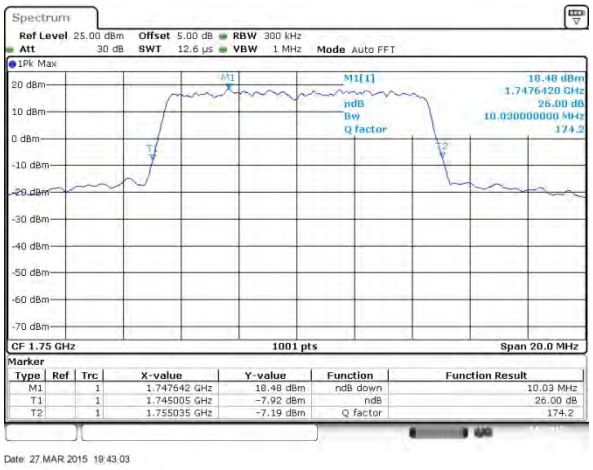
Middle Channel / 10MHz / QPSK



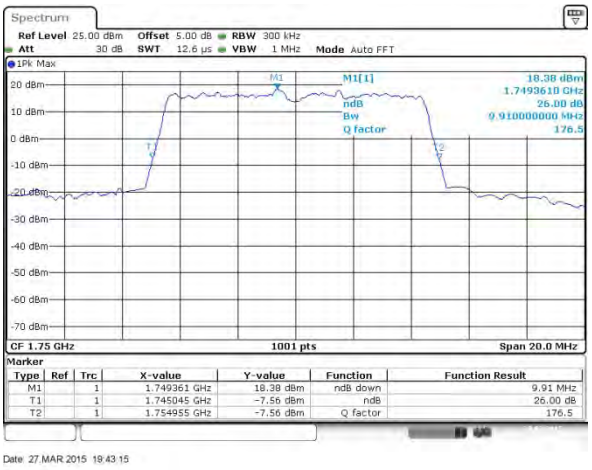
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

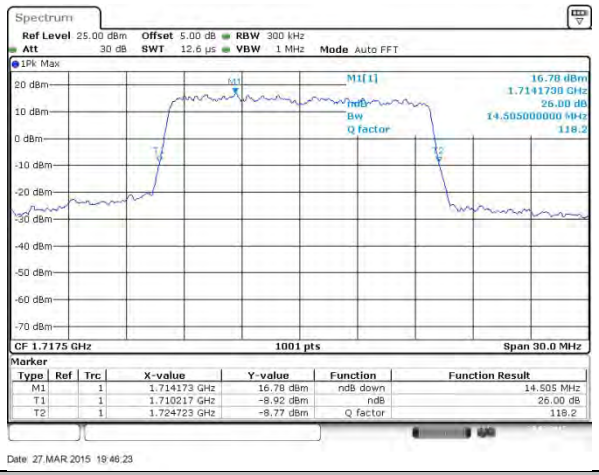


Highest Channel / 10MHz / 16QAM

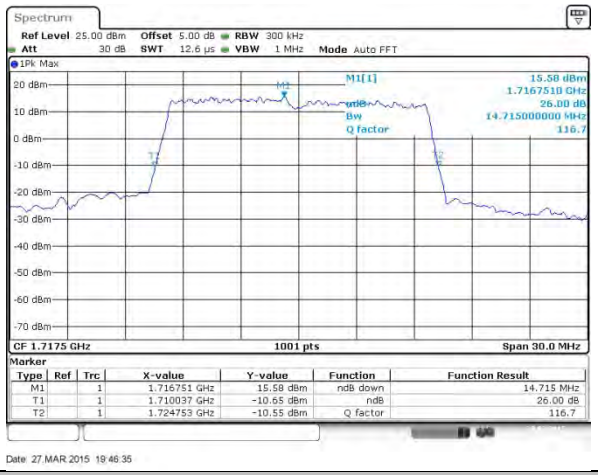


LTE Band 4

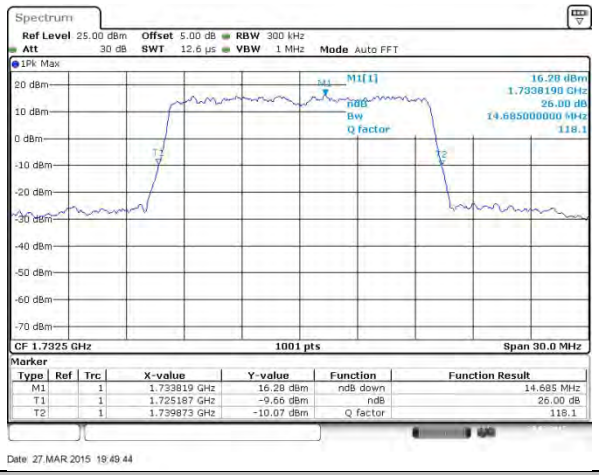
Lowest Channel / 15MHz / QPSK



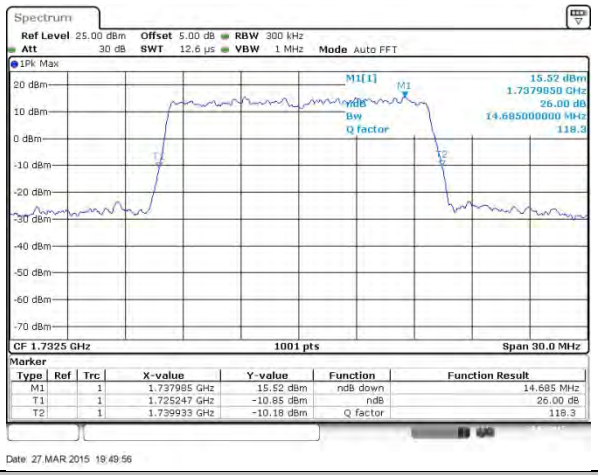
Lowest Channel / 15MHz / 16QAM



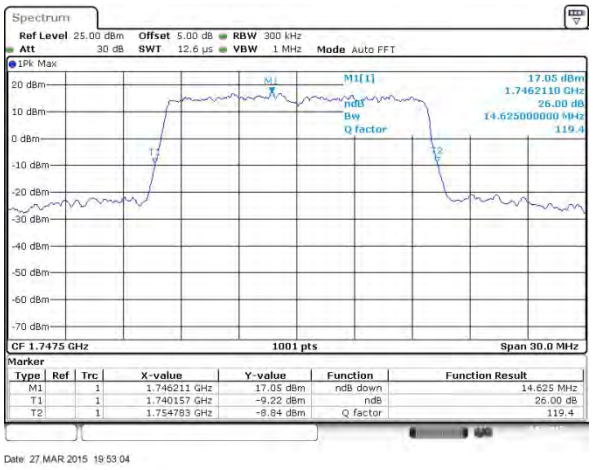
Middle Channel / 15MHz / QPSK



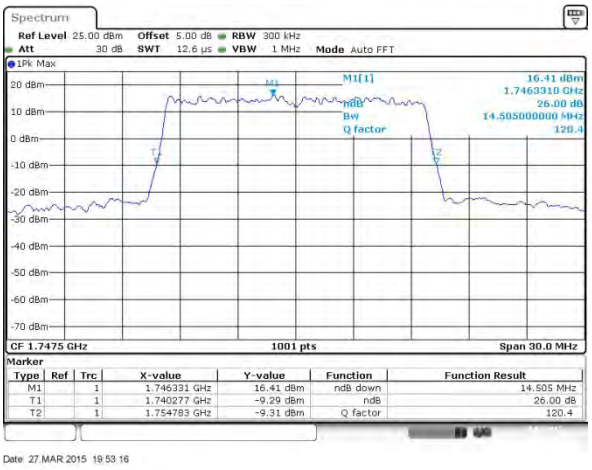
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

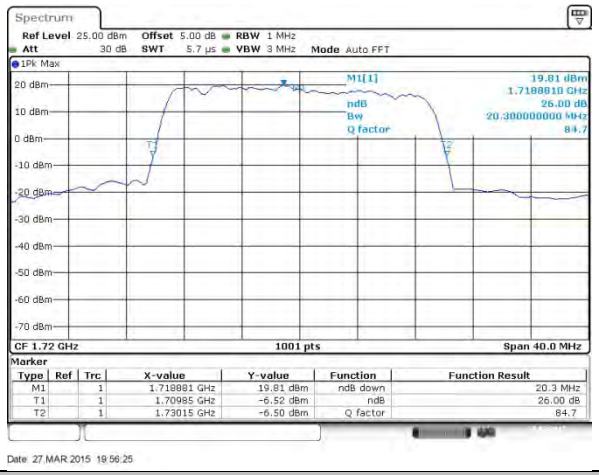


Highest Channel / 15MHz / 16QAM

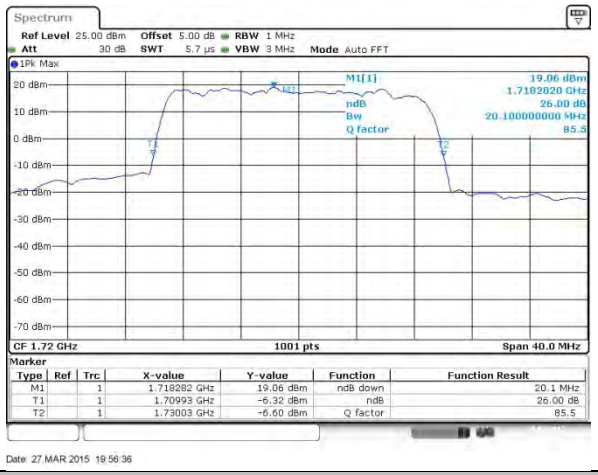


LTE Band 4

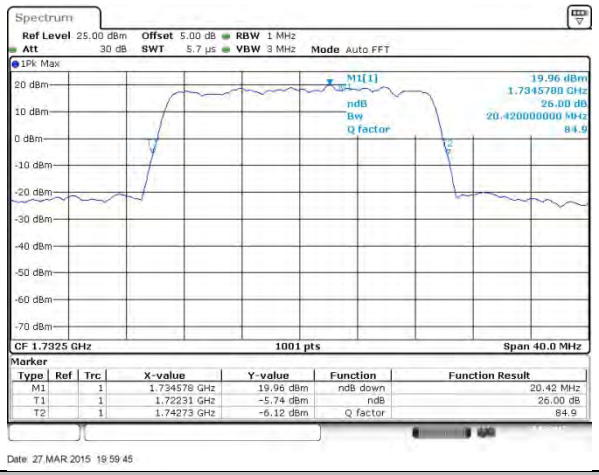
Lowest Channel / 20MHz / QPSK



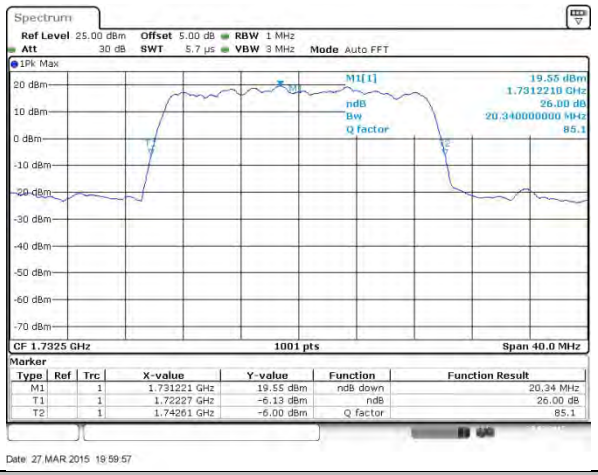
Lowest Channel / 20MHz / 16QAM



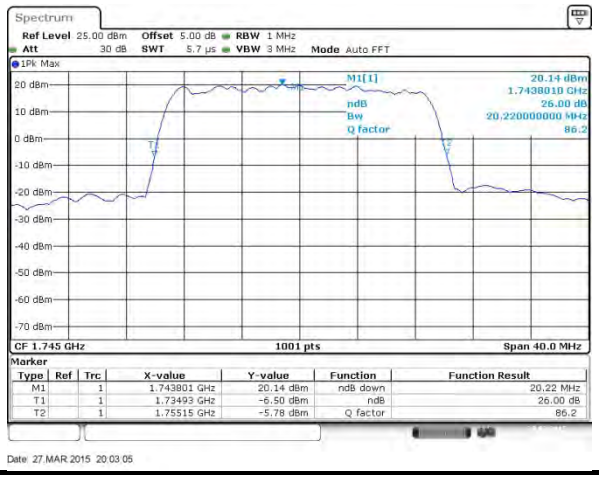
Middle Channel / 20MHz / QPSK



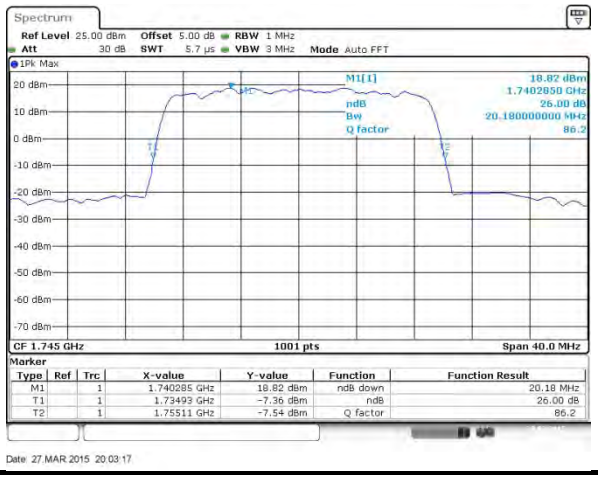
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

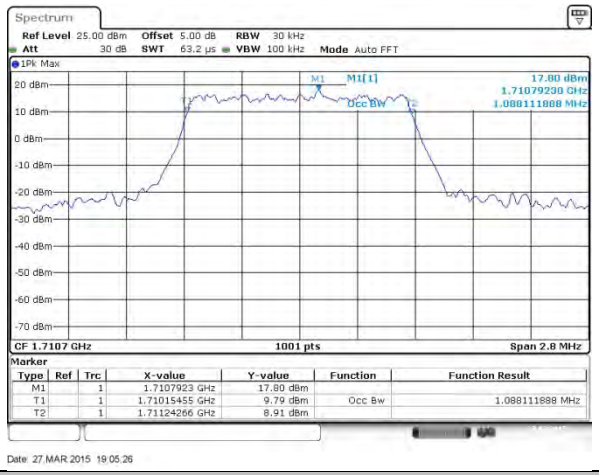


Occupied Bandwidth

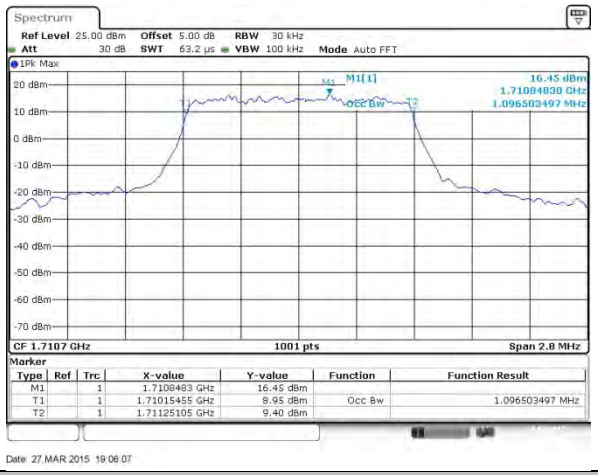
Mode	LTE Band 4 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.10	2.72	2.73	4.49	4.49	9.01	9.01	13.46	13.43	18.22	18.34
Middle CH	1.09	1.10	2.73	2.72	4.50	4.50	9.01	9.01	13.43	13.43	18.34	18.38
Highest CH	1.10	1.10	2.72	2.72	4.50	4.50	9.03	9.03	13.43	13.40	18.22	18.22

LTE Band 4

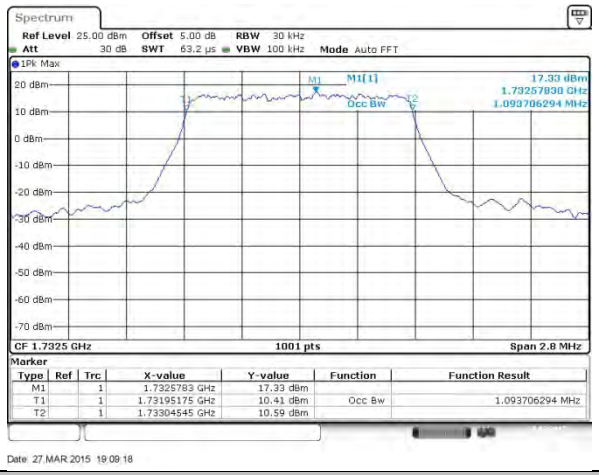
Lowest Channel / 1.4MHz / QPSK



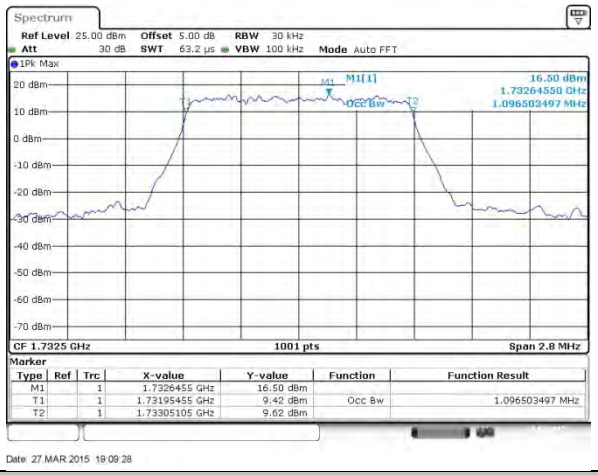
Lowest Channel / 1.4MHz / 16QAM



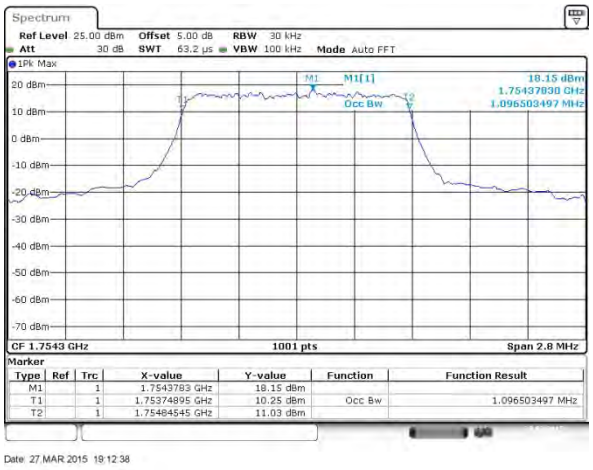
Middle Channel / 1.4MHz / QPSK



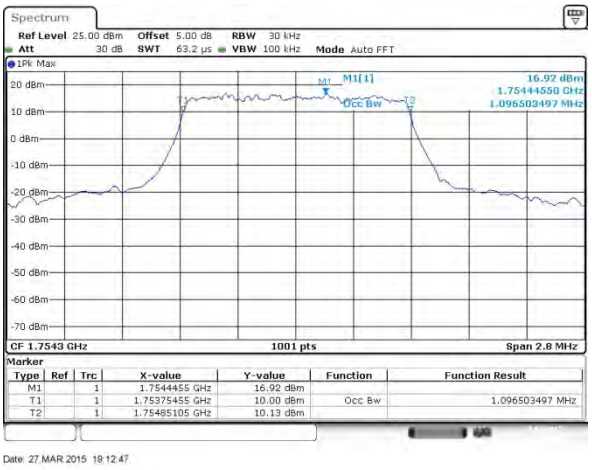
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

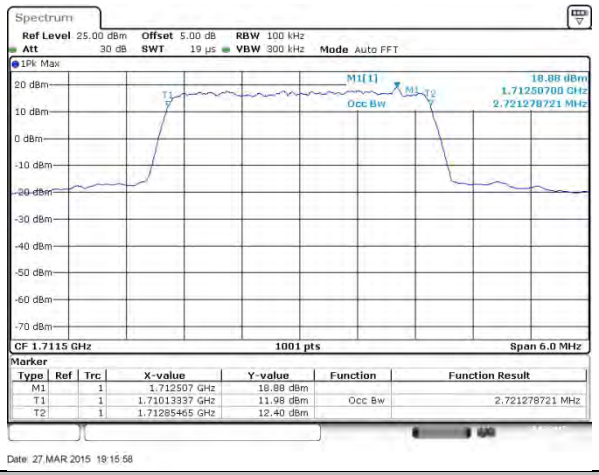


Highest Channel / 1.4MHz / 16QAM

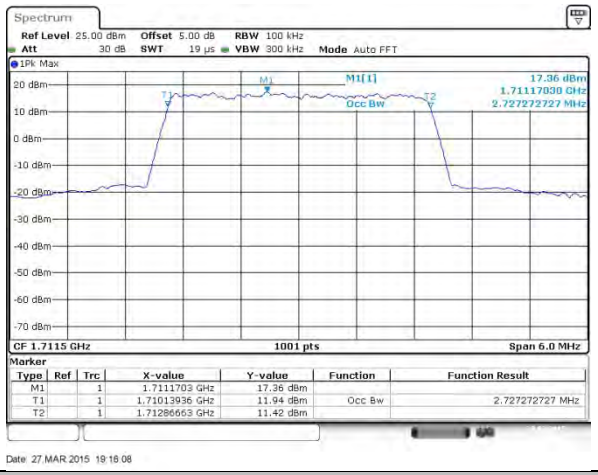


LTE Band 4

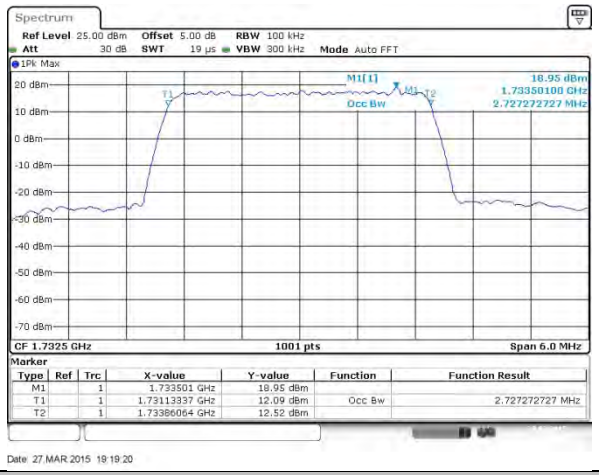
Lowest Channel / 3MHz / QPSK



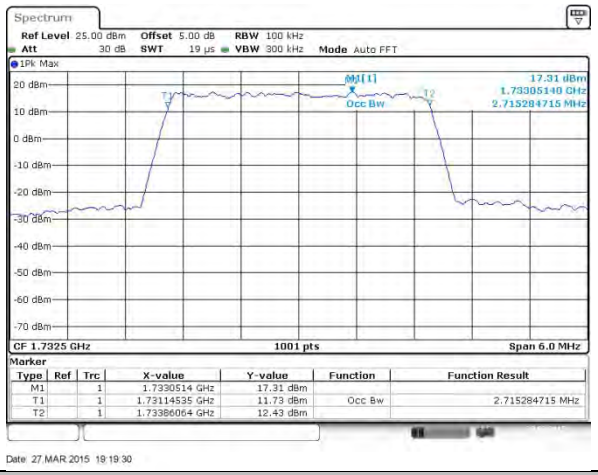
Lowest Channel / 3MHz / 16QAM



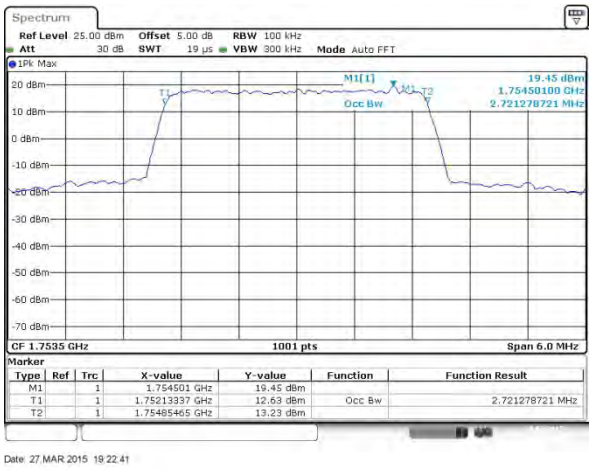
Middle Channel / 3MHz / QPSK



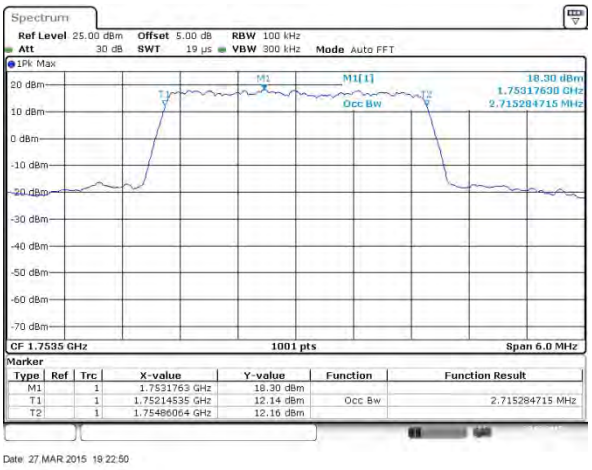
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

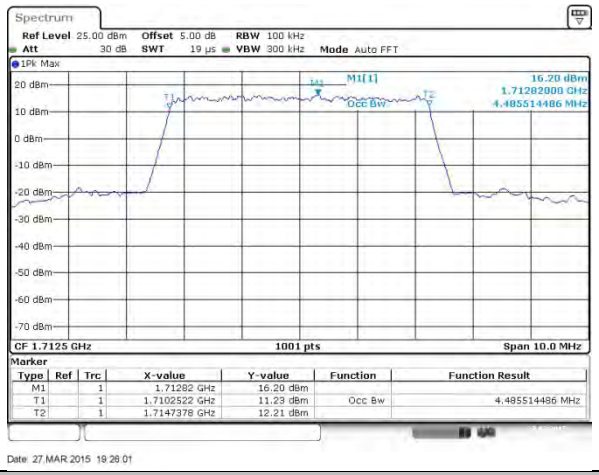


Highest Channel / 3MHz / 16QAM

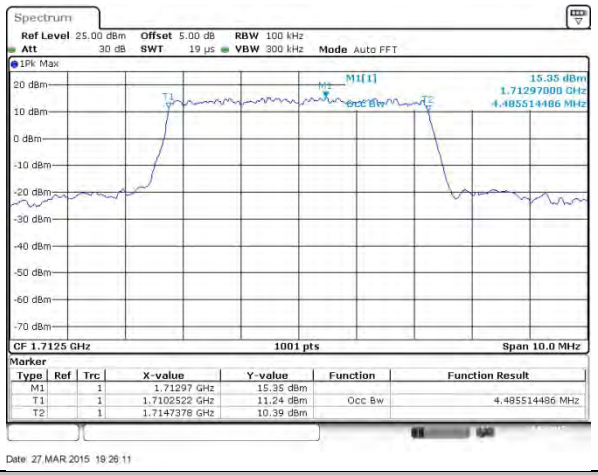


LTE Band 4

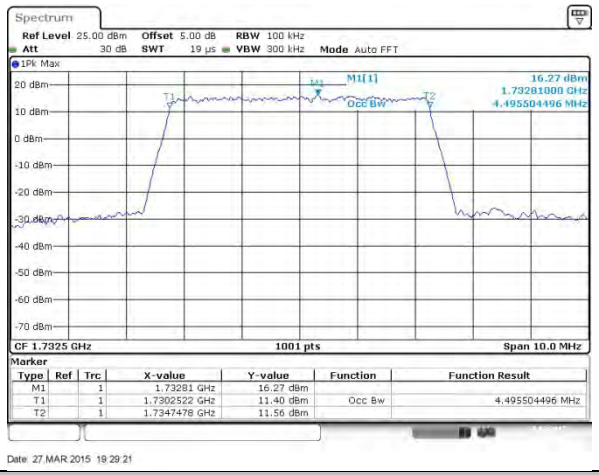
Lowest Channel / 5MHz / QPSK



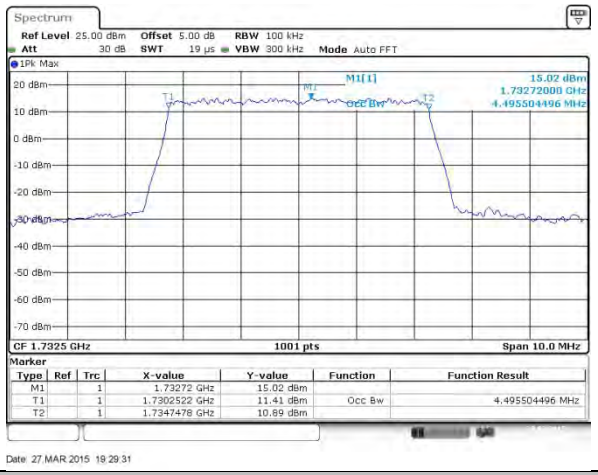
Lowest Channel / 5MHz / 16QAM



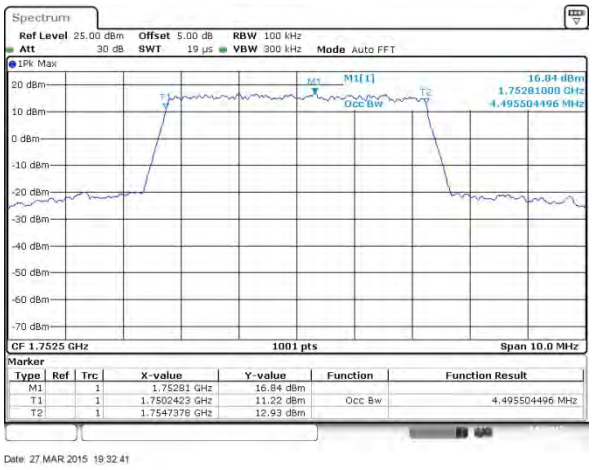
Middle Channel / 5MHz / QPSK



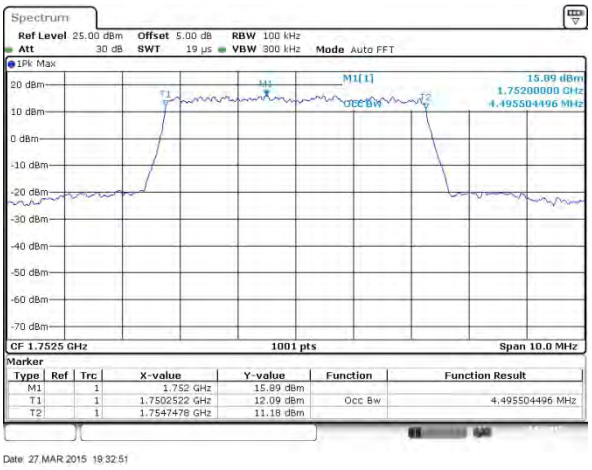
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

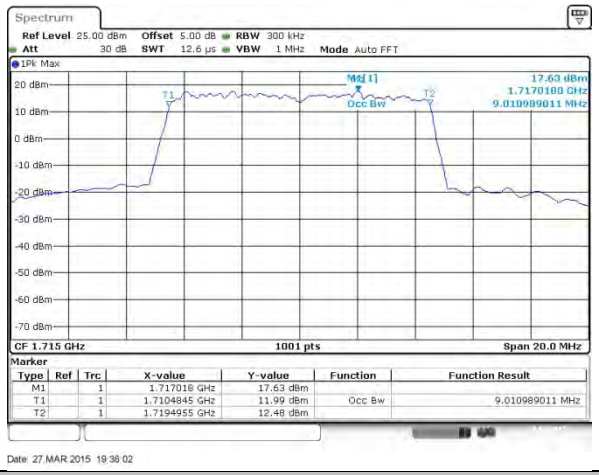


Highest Channel / 5MHz / 16QAM

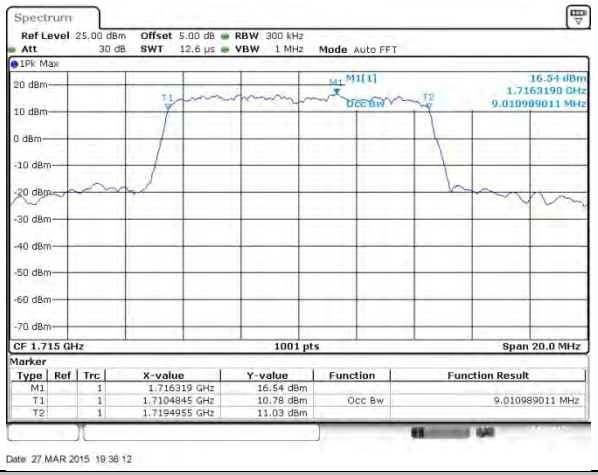


LTE Band 4

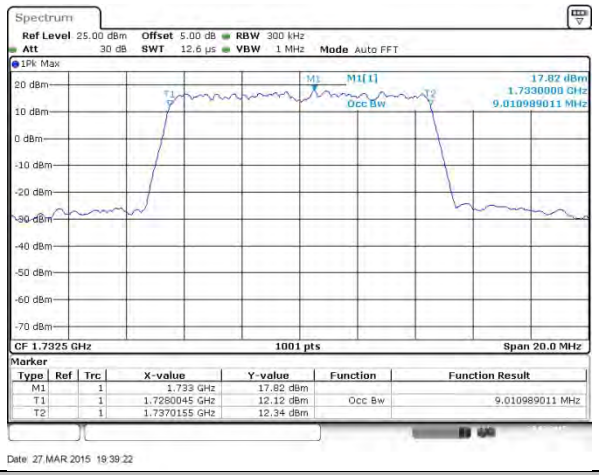
Lowest Channel / 10MHz / QPSK



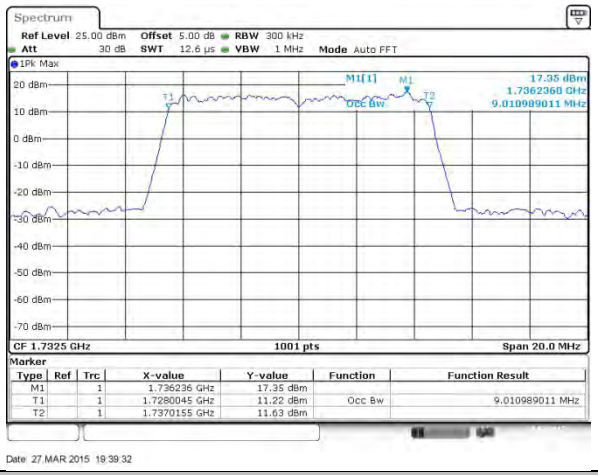
Lowest Channel / 10MHz / 16QAM



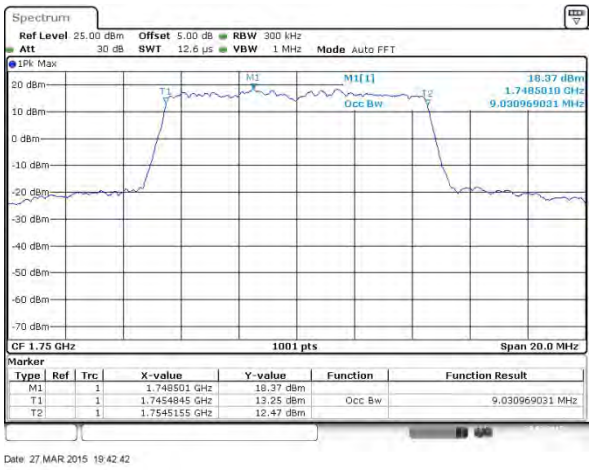
Middle Channel / 10MHz / QPSK



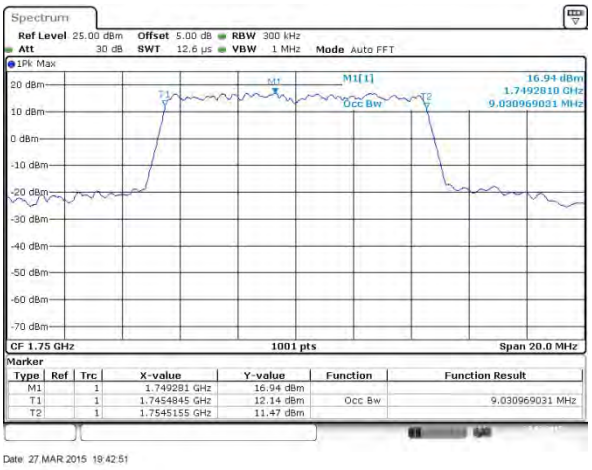
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

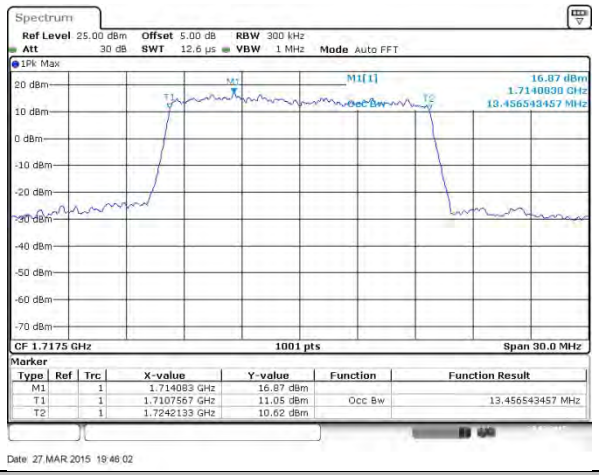


Highest Channel / 10MHz / 16QAM

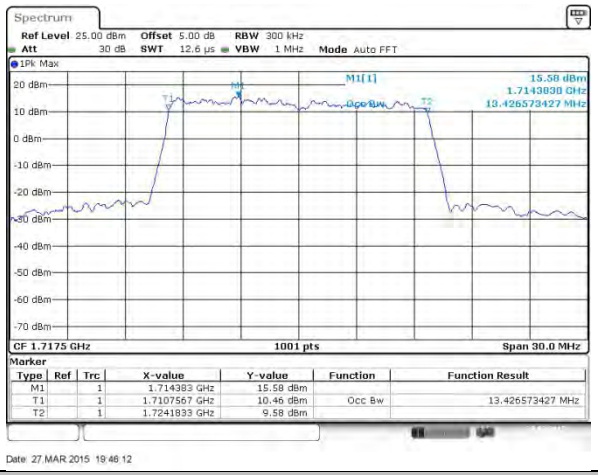


LTE Band 4

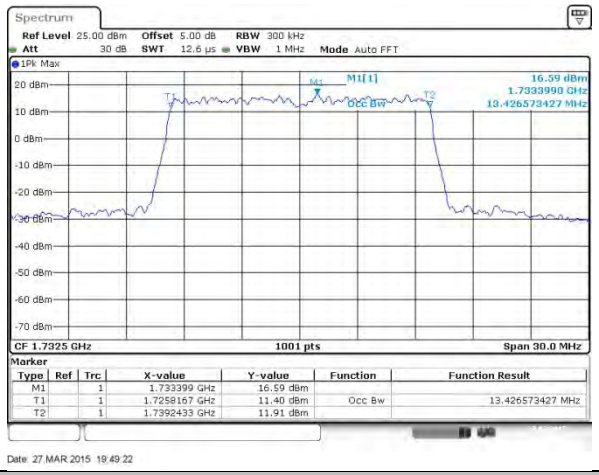
Lowest Channel / 15MHz / QPSK



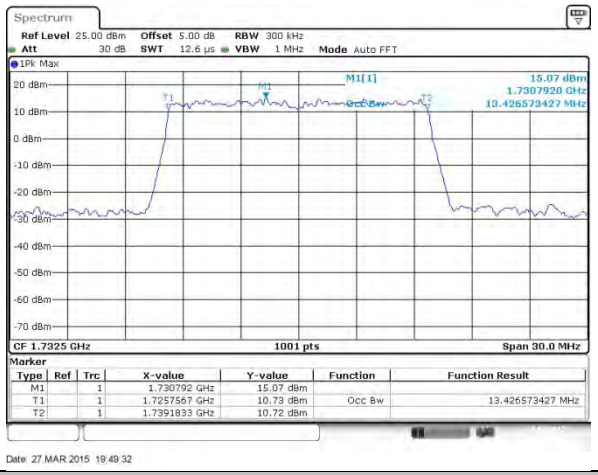
Lowest Channel / 15MHz / 16QAM



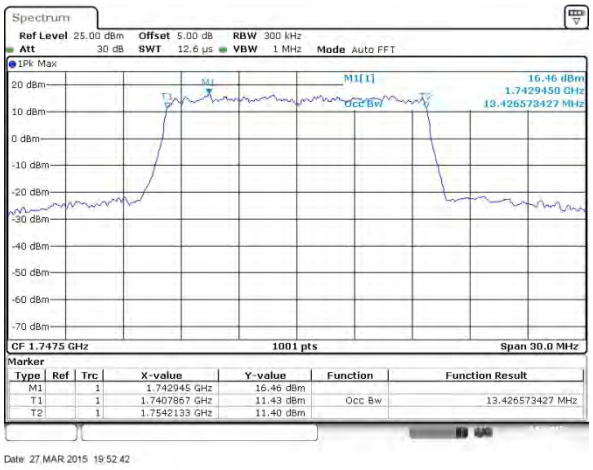
Middle Channel / 15MHz / QPSK



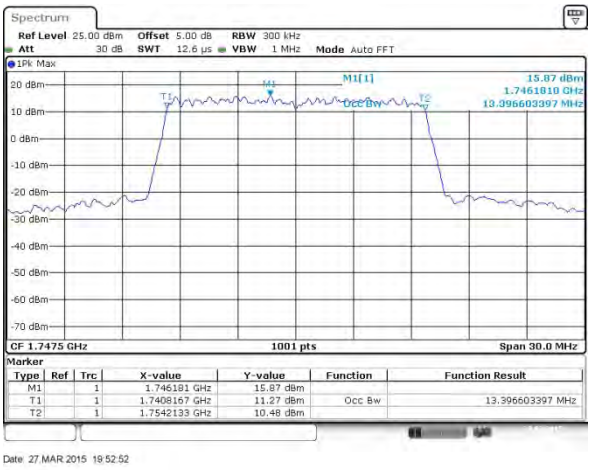
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

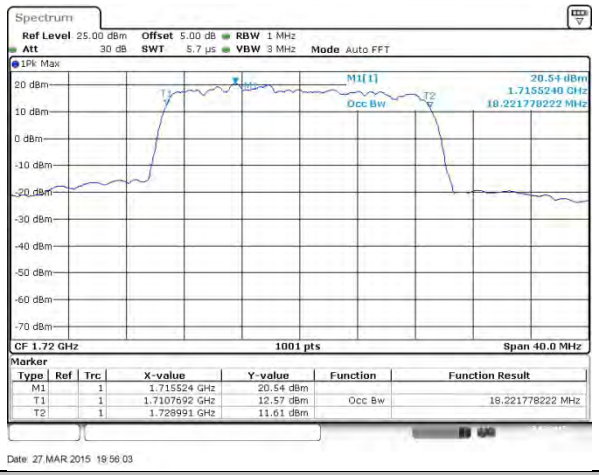


Highest Channel / 15MHz / 16QAM

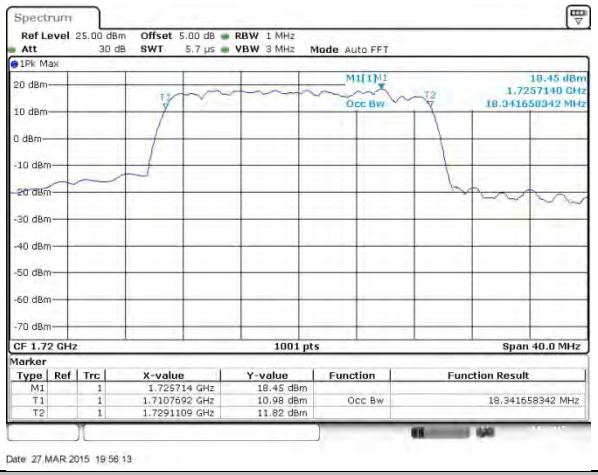


LTE Band 4

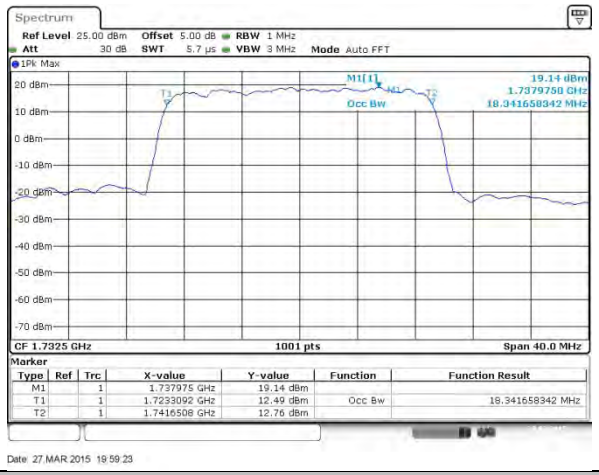
Lowest Channel / 20MHz / QPSK



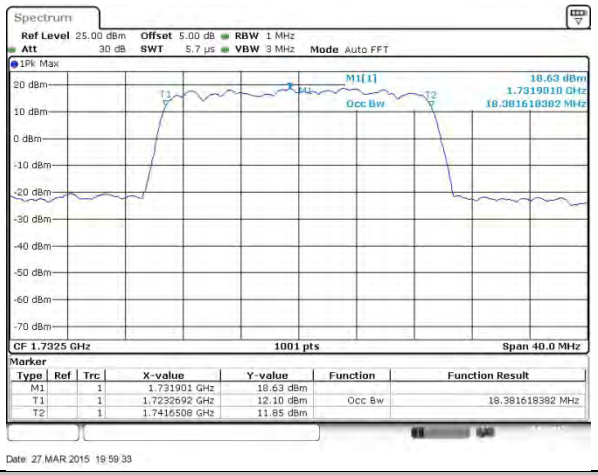
Lowest Channel / 20MHz / 16QAM



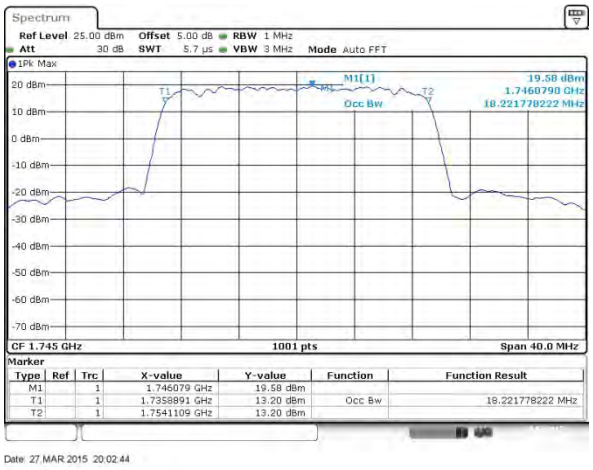
Middle Channel / 20MHz / QPSK



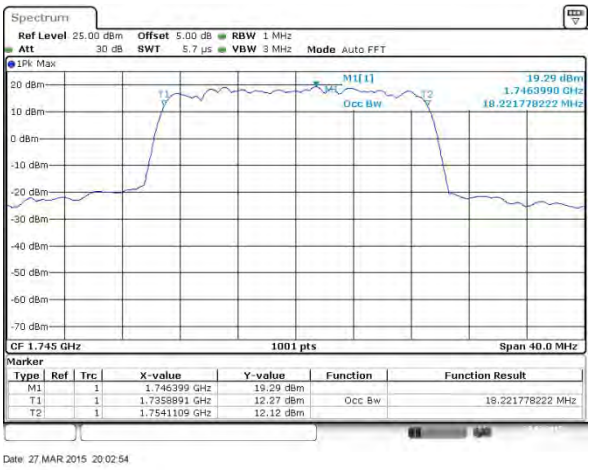
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



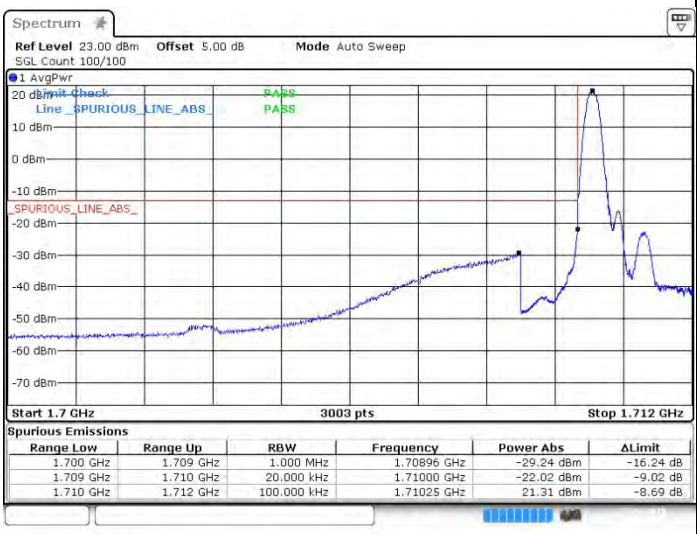
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 4 / 1.4MHz / QPSK

Lowest Band Edge / 1RB

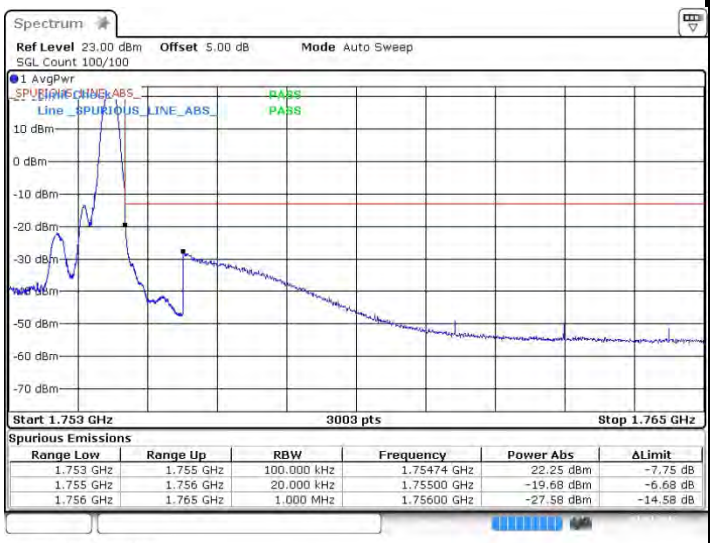


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70896 GHz	-29.24 dBm	-16.24 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-22.02 dBm	-9.02 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71025 GHz	21.31 dBm	-8.69 dB

Date: 27.MAR.2015 20:09:56

Highest Band Edge / 1RB

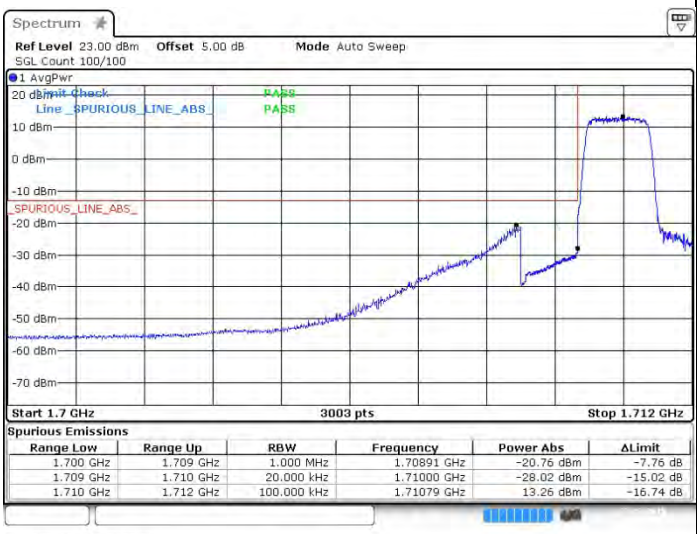


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75474 GHz	22.25 dBm	-7.75 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-19.68 dBm	-6.68 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-27.58 dBm	-14.58 dB

Date: 27.MAR.2015 20:17:32

Lowest Band Edge / Full RB

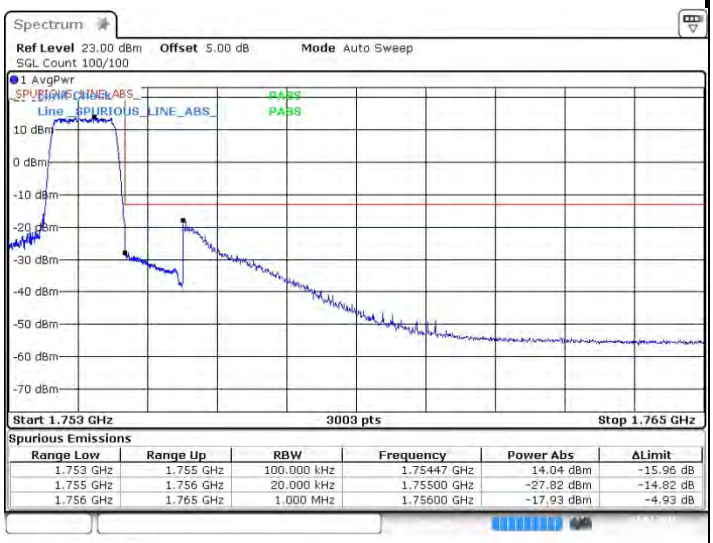


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70891 GHz	-20.76 dBm	-7.76 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-28.02 dBm	-15.02 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71079 GHz	13.26 dBm	-16.74 dB

Date: 27.MAR.2015 20:11:15

Highest Band Edge / Full RB



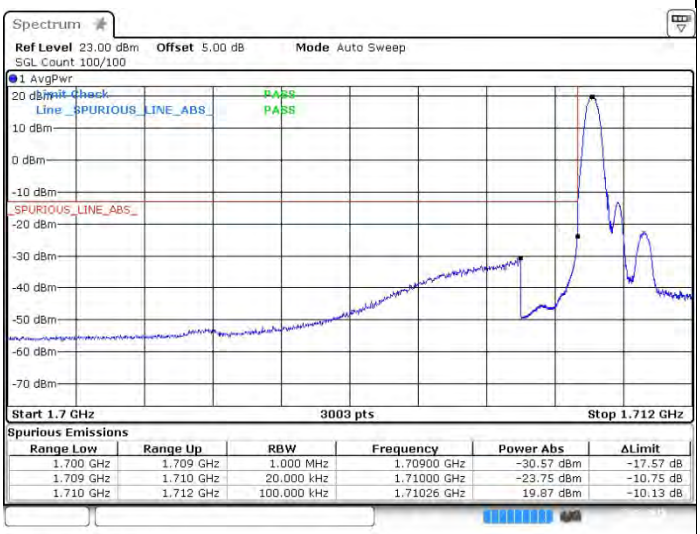
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75447 GHz	14.04 dBm	-15.96 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-27.82 dBm	-14.82 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-17.93 dBm	-4.93 dB

Date: 27.MAR.2015 20:15:33

LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

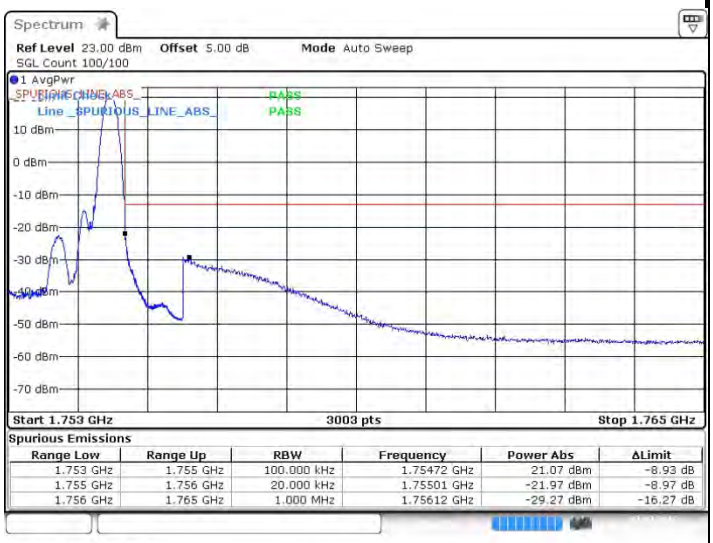


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-30.57 dBm	-17.57 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-23.75 dBm	-10.75 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71026 GHz	19.87 dBm	-10.13 dB

Date: 27.MAR.2015 20:08:46

Highest Band Edge / 1 RB

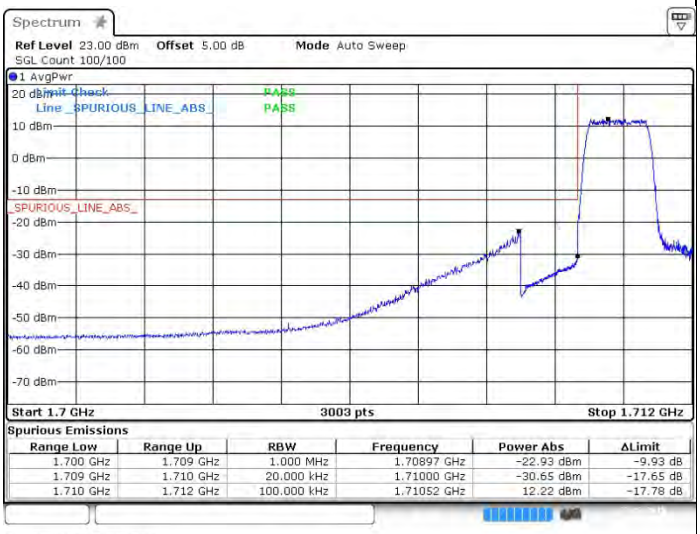


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75472 GHz	21.07 dBm	-8.93 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75501 GHz	-21.97 dBm	-8.97 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75612 GHz	-29.27 dBm	-16.27 dB

Date: 27.MAR.2015 20:19:02

Lowest Band Edge / Full RB

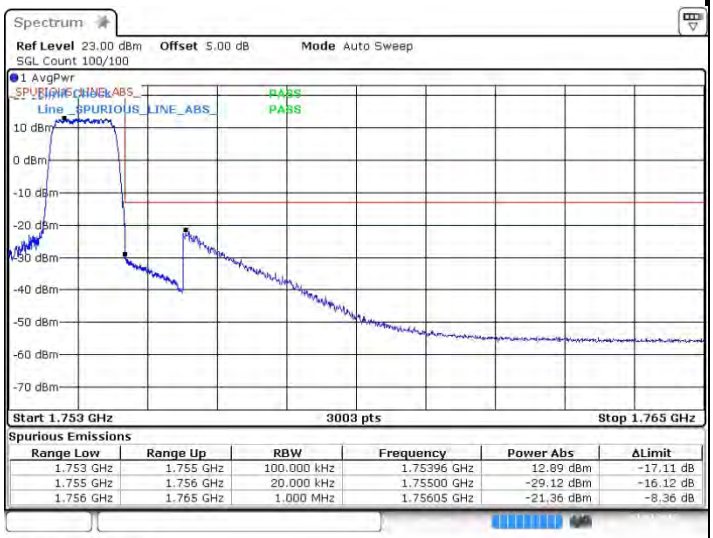


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70897 GHz	-22.93 dBm	-9.93 dB
1.709 GHz	1.710 GHz	20.000 kHz	1.71000 GHz	-30.65 dBm	-17.65 dB
1.710 GHz	1.712 GHz	100.000 kHz	1.71052 GHz	12.22 dBm	-17.78 dB

Date: 27.MAR.2015 20:12:54

Highest Band Edge / Full RB



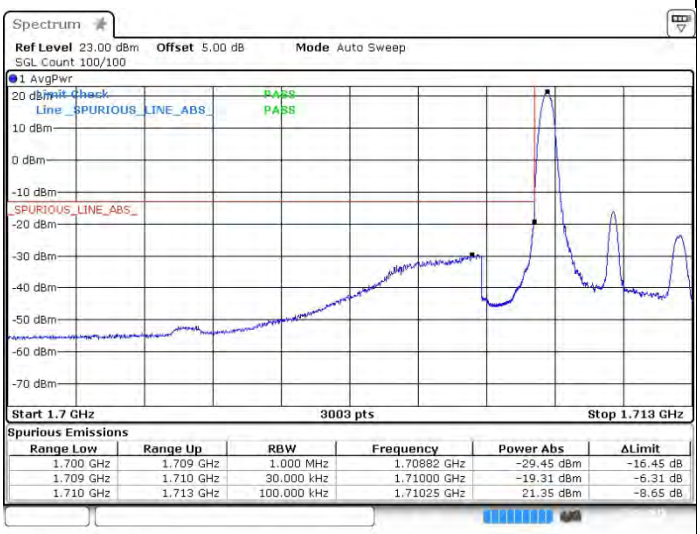
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.753 GHz	1.755 GHz	100.000 kHz	1.75396 GHz	12.89 dBm	-17.11 dB
1.755 GHz	1.756 GHz	20.000 kHz	1.75500 GHz	-29.12 dBm	-16.12 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-21.36 dBm	-8.36 dB

Date: 27.MAR.2015 20:14:25

LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB

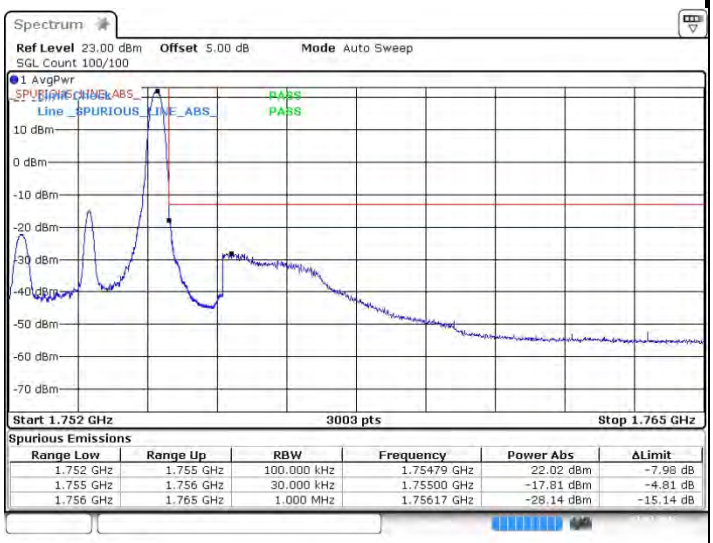


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70882 GHz	-29.45 dBm	-16.45 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-19.31 dBm	-6.31 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71025 GHz	21.35 dBm	-8.65 dB

Date: 27.MAR.2015 20:23:06

Highest Band Edge / 1 RB

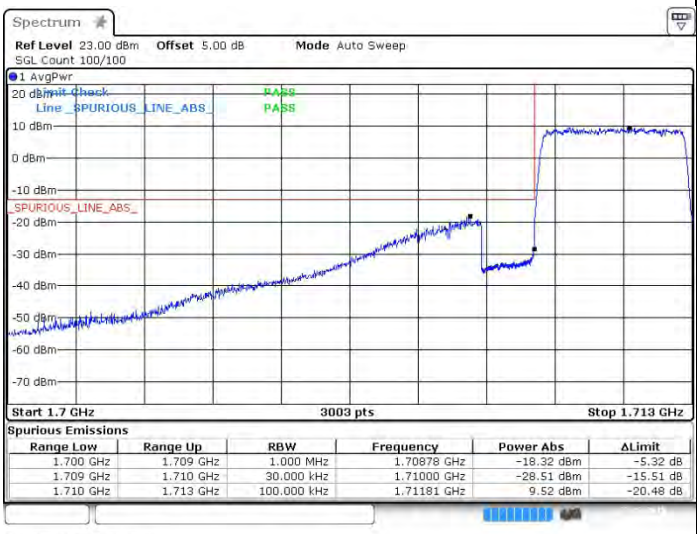


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75479 GHz	22.02 dBm	-7.98 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-17.81 dBm	-4.81 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75617 GHz	-28.14 dBm	-15.14 dB

Date: 27.MAR.2015 20:26:40

Lowest Band Edge / Full RB

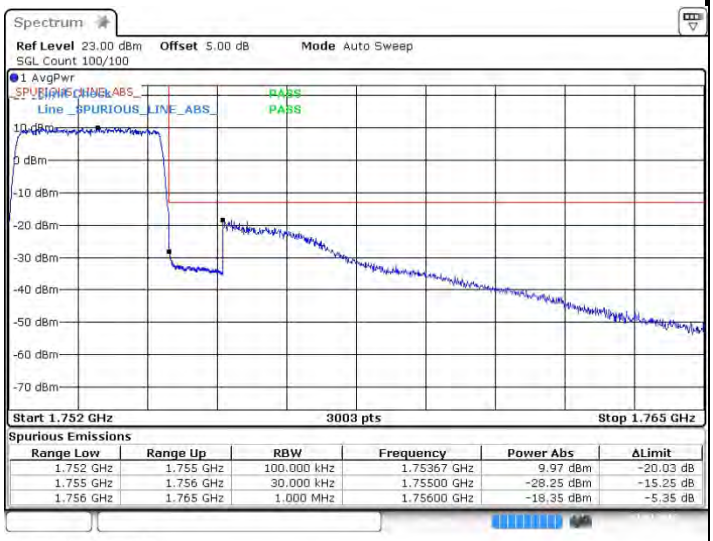


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70878 GHz	-18.32 dBm	-5.32 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-28.51 dBm	-15.51 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71181 GHz	9.52 dBm	-20.48 dB

Date: 27.MAR.2015 20:23:45

Highest Band Edge / Full RB



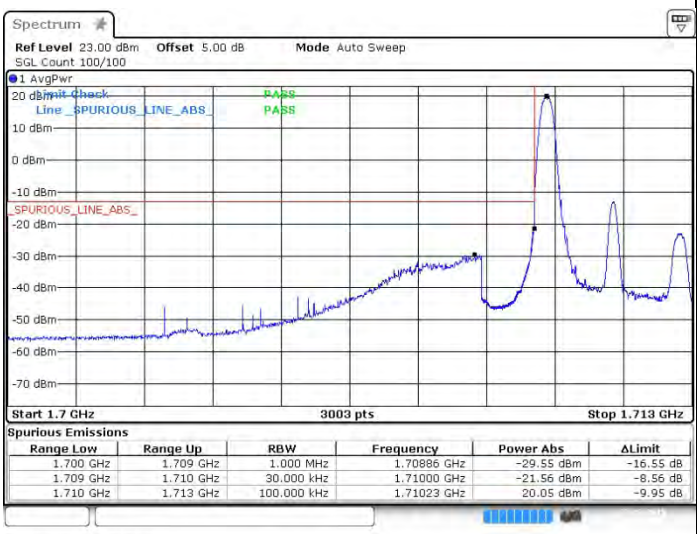
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75367 GHz	9.97 dBm	-20.03 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-28.25 dBm	-15.25 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75600 GHz	-18.35 dBm	-5.35 dB

Date: 27.MAR.2015 20:25:58

LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

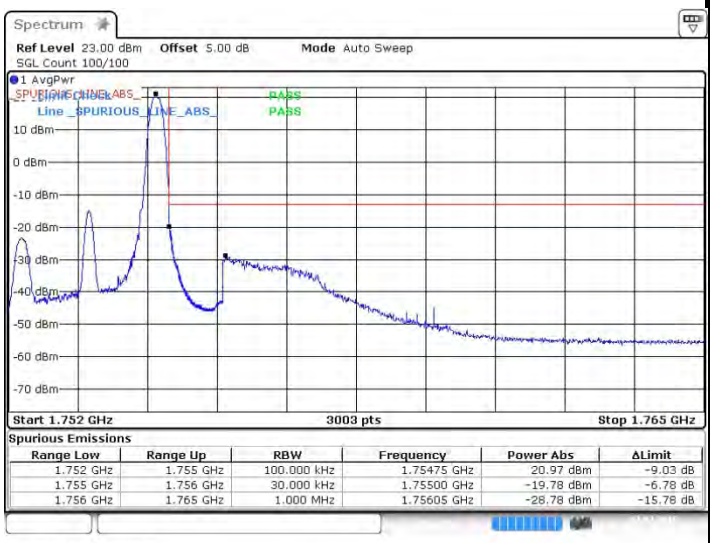


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70886 GHz	-29.55 dBm	-16.55 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-21.56 dBm	-8.56 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71023 GHz	20.05 dBm	-9.95 dB

Date: 27.MAR.2015 20:22:17

Highest Band Edge /1 RB

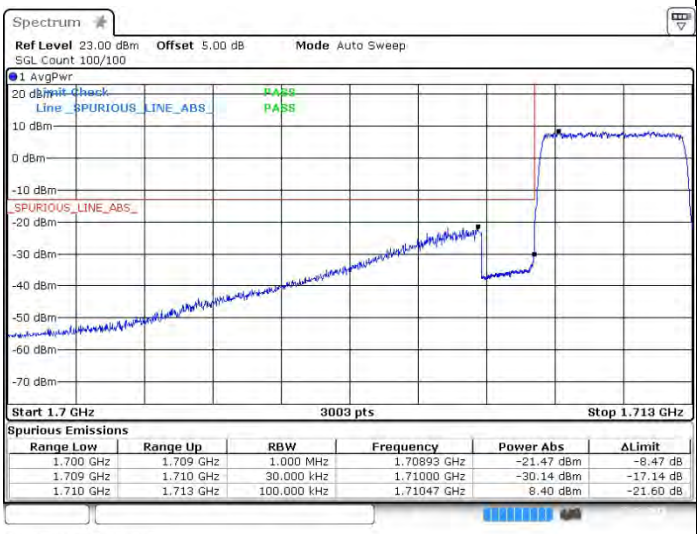


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75475 GHz	20.97 dBm	-9.03 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-19.78 dBm	-6.78 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-28.78 dBm	-15.78 dB

Date: 27.MAR.2015 20:27:21

Lowest Band Edge / Full RB

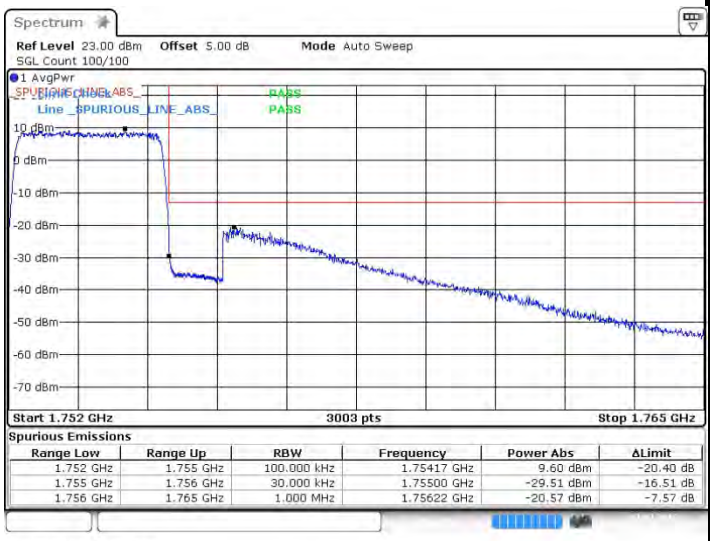


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70893 GHz	-21.47 dBm	-8.47 dB
1.709 GHz	1.710 GHz	30.000 kHz	1.71000 GHz	-30.14 dBm	-17.14 dB
1.710 GHz	1.713 GHz	100.000 kHz	1.71047 GHz	8.40 dBm	-21.60 dB

Date: 27.MAR.2015 20:24:31

Highest Band Edge / Full RB



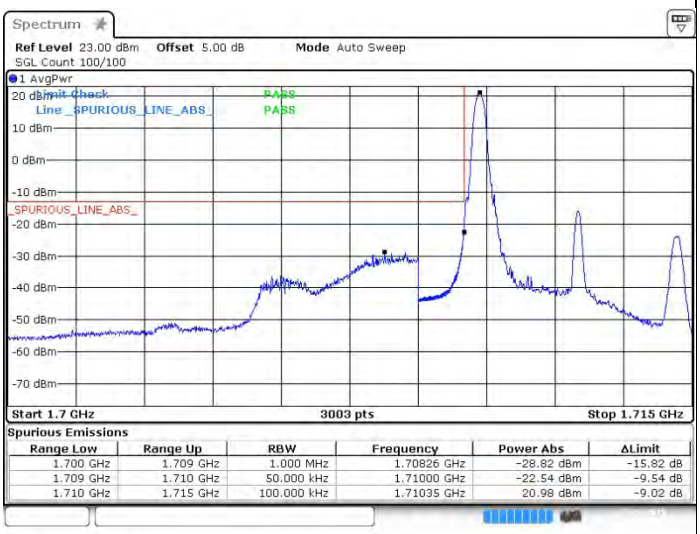
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.752 GHz	1.755 GHz	100.000 kHz	1.75417 GHz	9.60 dBm	-20.40 dB
1.755 GHz	1.756 GHz	30.000 kHz	1.75500 GHz	-29.51 dBm	-16.51 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75622 GHz	-20.57 dBm	-7.57 dB

Date: 27.MAR.2015 20:25:17

LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB

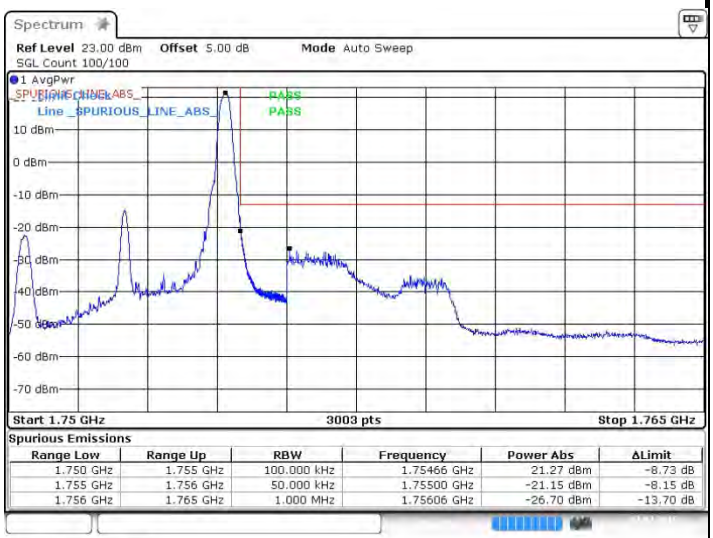


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70826 GHz	-28.82 dBm	-15.82 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-22.54 dBm	-9.54 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71035 GHz	20.98 dBm	-9.02 dB

Date: 27.MAR.2015 20:29:00

Highest Band Edge / 1 RB

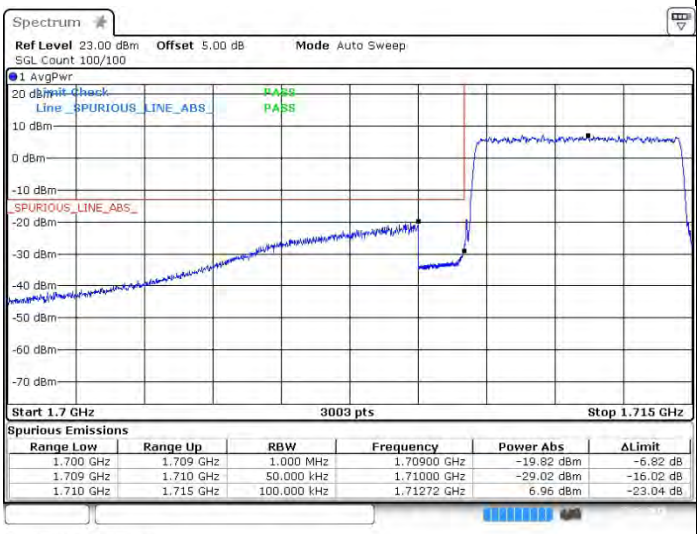


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75466 GHz	21.27 dBm	-8.73 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-21.15 dBm	-8.15 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75606 GHz	-26.70 dBm	-13.70 dB

Date: 27.MAR.2015 20:39:28

Lowest Band Edge / Full RB

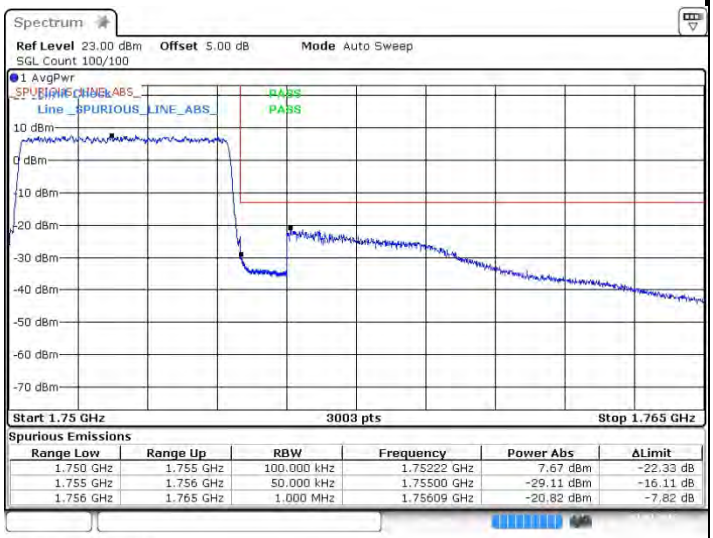


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-19.82 dBm	-6.82 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-29.02 dBm	-16.02 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71272 GHz	6.96 dBm	-23.04 dB

Date: 27.MAR.2015 20:31:06

Highest Band Edge / Full RB



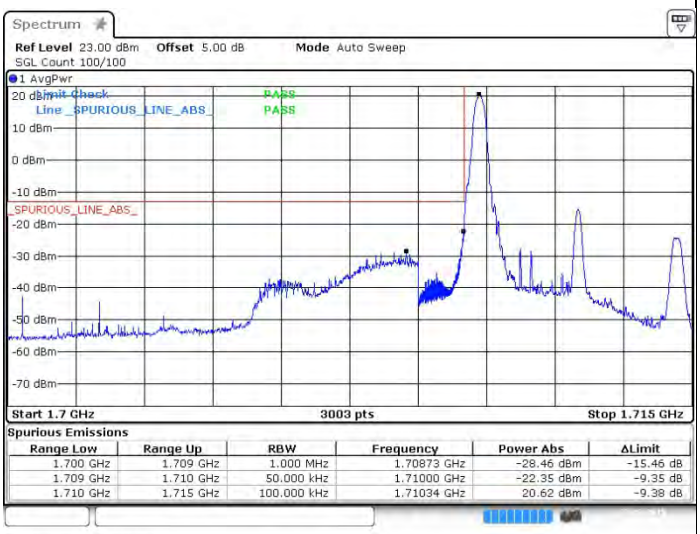
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75222 GHz	7.67 dBm	-22.33 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-29.11 dBm	-16.11 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75609 GHz	-20.82 dBm	-7.82 dB

Date: 27.MAR.2015 20:31:52

LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB

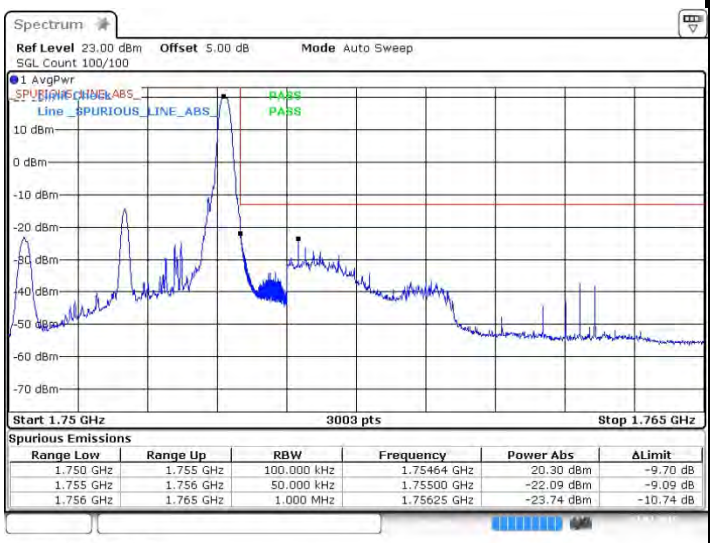


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70873 GHz	-28.46 dBm	-15.46 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.71000 GHz	-22.35 dBm	-9.35 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71034 GHz	20.62 dBm	-9.38 dB

Date: 27.MAR.2015 20:30:01

Highest Band Edge / 1 RB

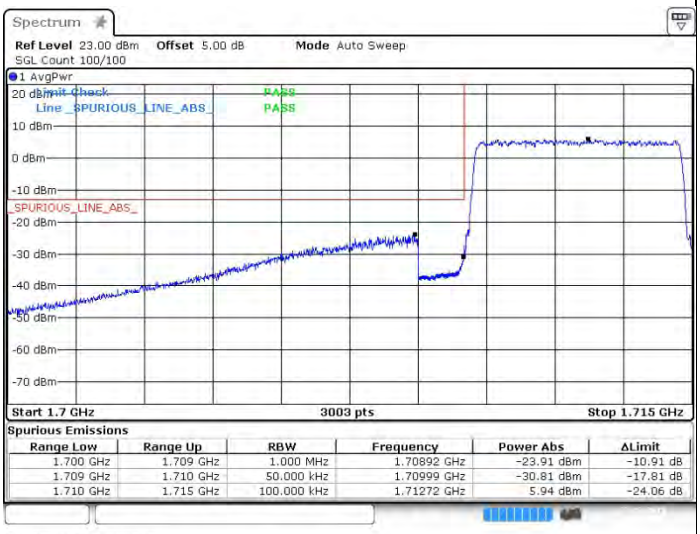


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75464 GHz	20.30 dBm	-9.70 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-22.09 dBm	-9.09 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75625 GHz	-23.74 dBm	-10.74 dB

Date: 27.MAR.2015 20:38:56

Lowest Band Edge / Full RB

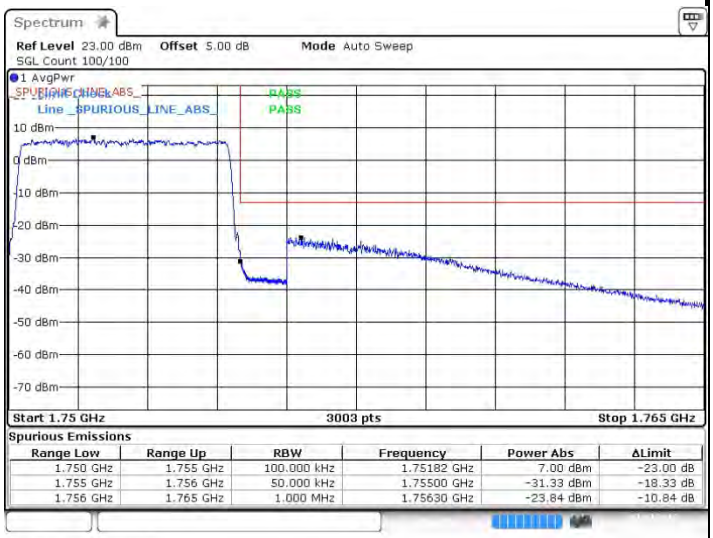


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70892 GHz	-23.91 dBm	-10.91 dB
1.709 GHz	1.710 GHz	50.000 kHz	1.70999 GHz	-30.81 dBm	-17.81 dB
1.710 GHz	1.715 GHz	100.000 kHz	1.71272 GHz	5.94 dBm	-24.06 dB

Date: 27.MAR.2015 20:30:41

Highest Band Edge / Full RB



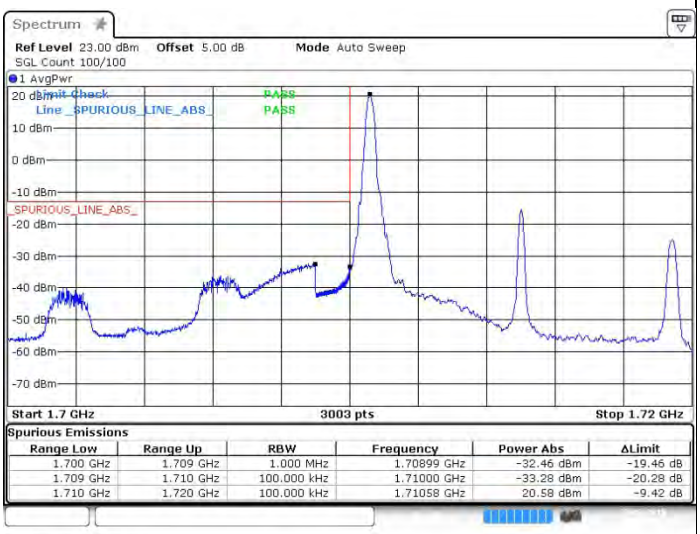
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.750 GHz	1.755 GHz	100.000 kHz	1.75182 GHz	7.00 dBm	-23.00 dB
1.755 GHz	1.756 GHz	50.000 kHz	1.75500 GHz	-31.33 dBm	-18.33 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75630 GHz	-23.84 dBm	-10.84 dB

Date: 27.MAR.2015 20:32:16

LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB

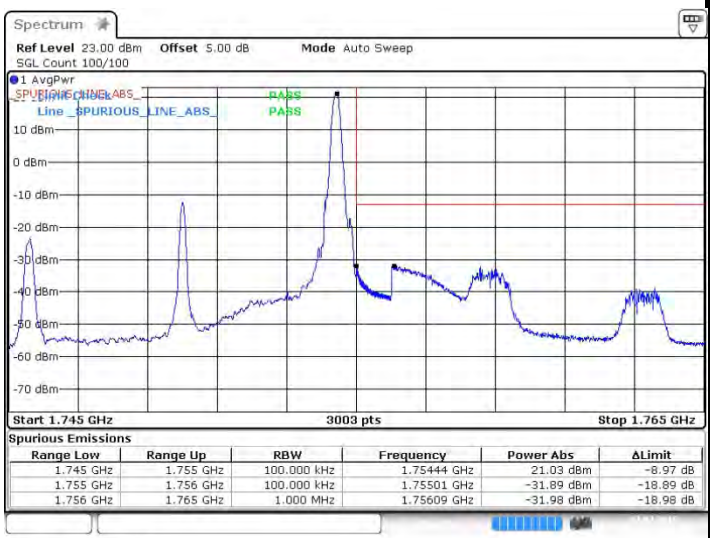


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70899 GHz	-32.46 dBm	-19.46 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-33.28 dBm	-20.28 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71058 GHz	20.58 dBm	-9.42 dB

Date: 27.MAR.2015 20:40:03

Highest Band Edge / 1 RB

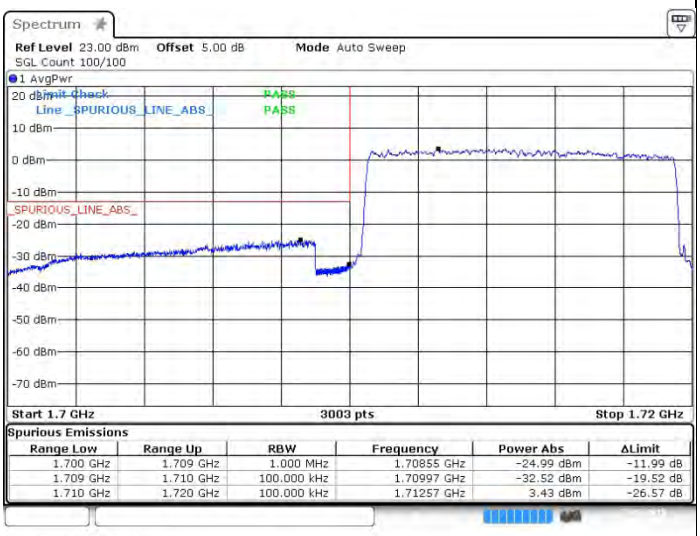


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75444 GHz	21.03 dBm	-8.97 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-31.89 dBm	-18.89 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75609 GHz	-31.98 dBm	-18.98 dB

Date: 27.MAR.2015 20:44:45

Lowest Band Edge / Full RB

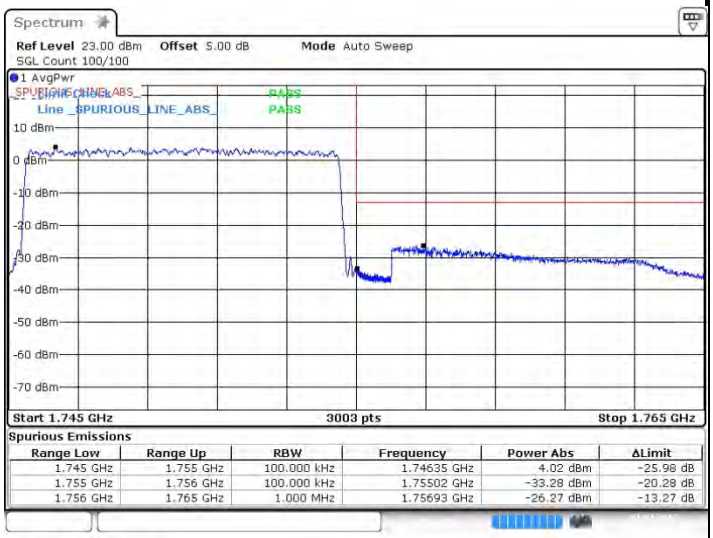


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70855 GHz	-24.99 dBm	-11.99 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70997 GHz	-32.52 dBm	-19.52 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71257 GHz	3.43 dBm	-26.57 dB

Date: 27.MAR.2015 20:42:29

Highest Band Edge / Full RB



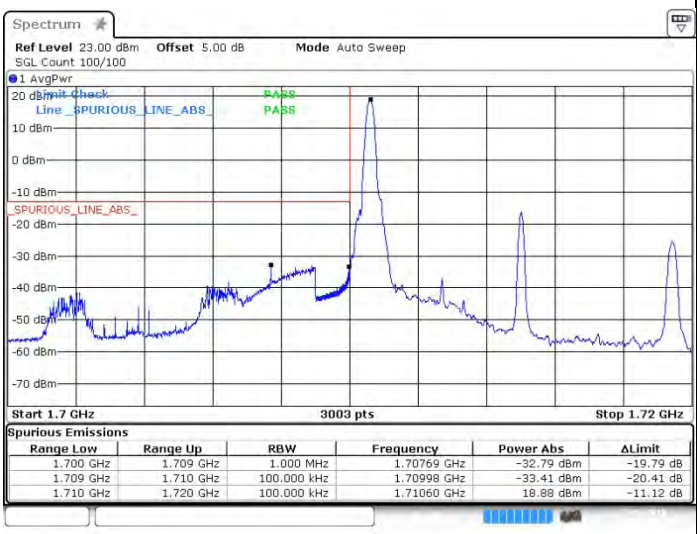
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.74635 GHz	4.02 dBm	-25.98 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75502 GHz	-33.28 dBm	-20.28 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75693 GHz	-26.27 dBm	-13.27 dB

Date: 27.MAR.2015 20:43:00

LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

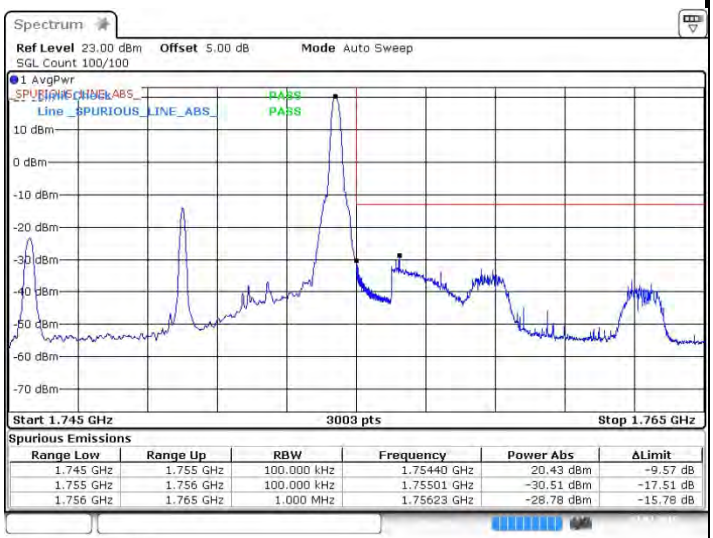


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70769 GHz	-32.79 dBm	-19.79 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.70998 GHz	-33.41 dBm	-20.41 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71060 GHz	18.88 dBm	-11.12 dB

Date: 27.MAR.2015 20:40:25

Highest Band Edge / 1 RB

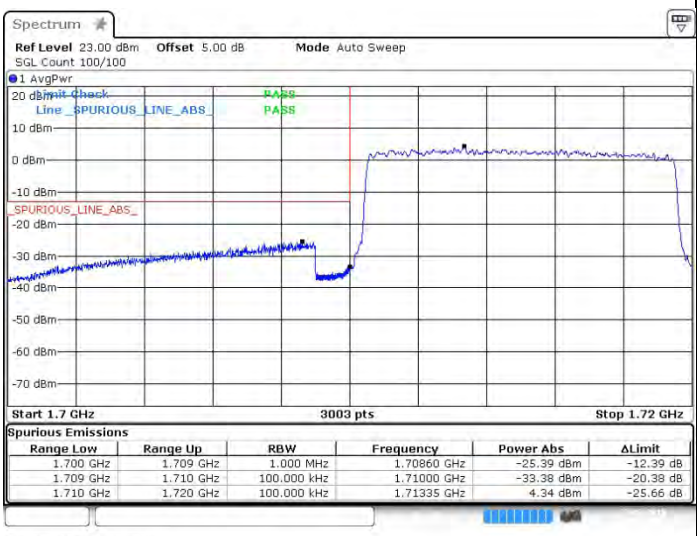


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.75440 GHz	20.43 dBm	-9.57 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-30.51 dBm	-17.51 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75623 GHz	-28.78 dBm	-15.78 dB

Date: 27.MAR.2015 20:44:19

Lowest Band Edge / Full RB

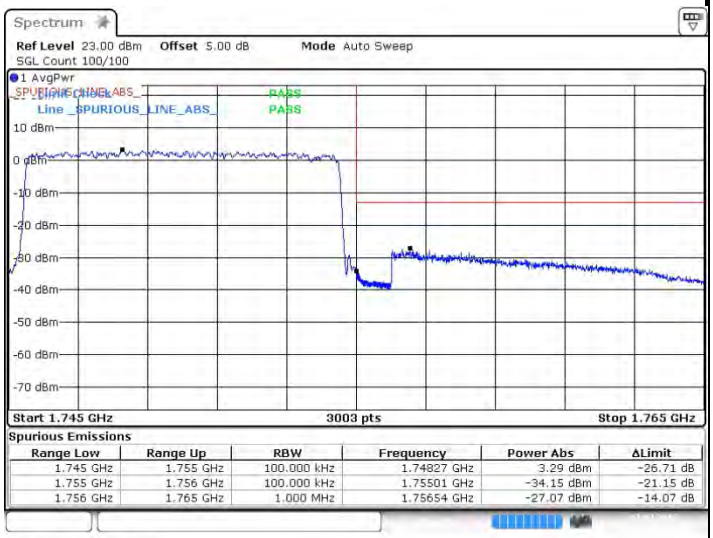


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70860 GHz	-25.39 dBm	-12.39 dB
1.709 GHz	1.710 GHz	100.000 kHz	1.71000 GHz	-33.38 dBm	-20.38 dB
1.710 GHz	1.720 GHz	100.000 kHz	1.71335 GHz	4.34 dBm	-25.66 dB

Date: 27.MAR.2015 20:40:56

Highest Band Edge / Full RB



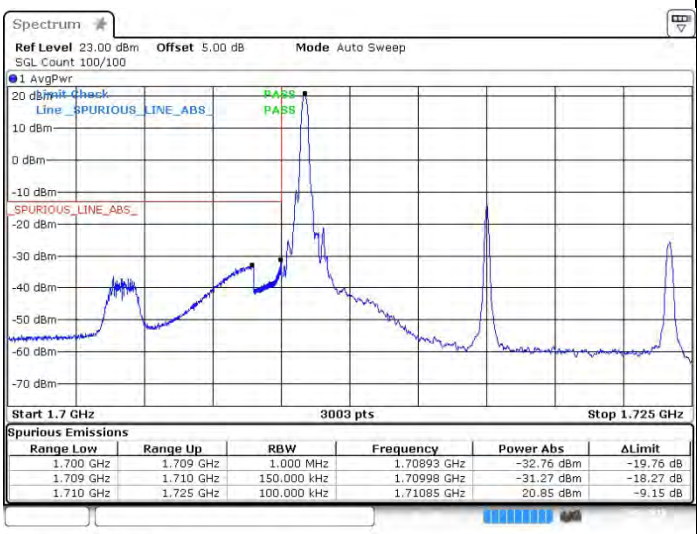
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.745 GHz	1.755 GHz	100.000 kHz	1.74827 GHz	3.29 dBm	-26.71 dB
1.755 GHz	1.756 GHz	100.000 kHz	1.75501 GHz	-34.15 dBm	-21.15 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75654 GHz	-27.07 dBm	-14.07 dB

Date: 27.MAR.2015 20:43:18

LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB

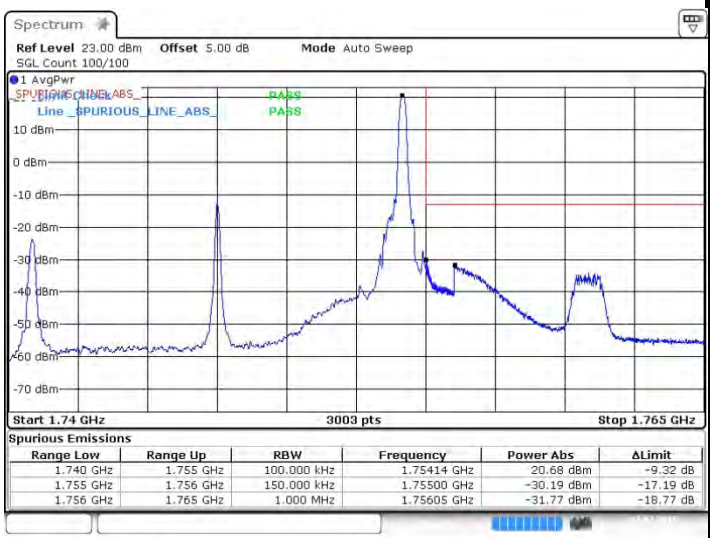


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70893 GHz	-32.76 dBm	-19.76 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70998 GHz	-31.27 dBm	-18.27 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71085 GHz	20.85 dBm	-9.15 dB

Date: 27.MAR.2015 20:46:37

Highest Band Edge / 1 RB

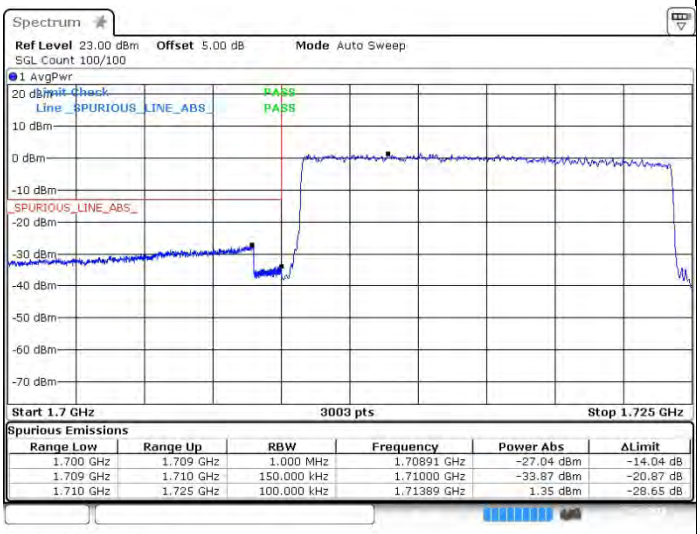


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75414 GHz	20.68 dBm	-9.32 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75500 GHz	-30.19 dBm	-17.19 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75605 GHz	-31.77 dBm	-18.77 dB

Date: 27.MAR.2015 20:50:56

Lowest Band Edge / Full RB

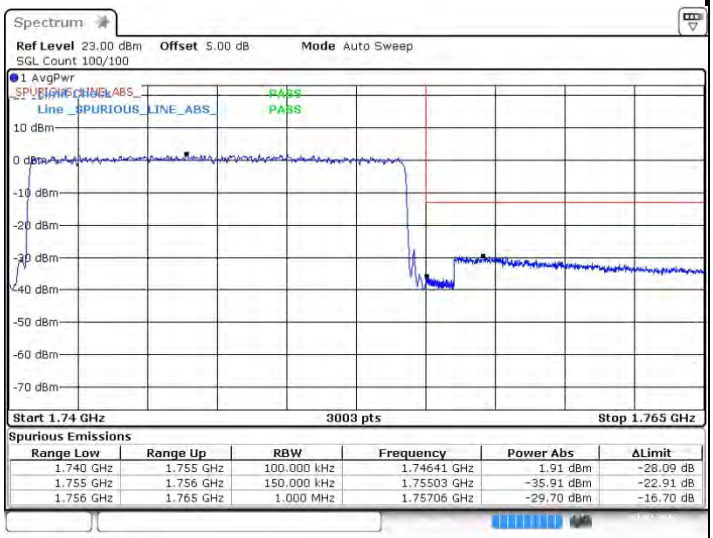


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70891 GHz	-27.04 dBm	-14.04 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.71000 GHz	-33.87 dBm	-20.87 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71389 GHz	1.35 dBm	-28.65 dB

Date: 27.MAR.2015 20:49:39

Highest Band Edge / Full RB



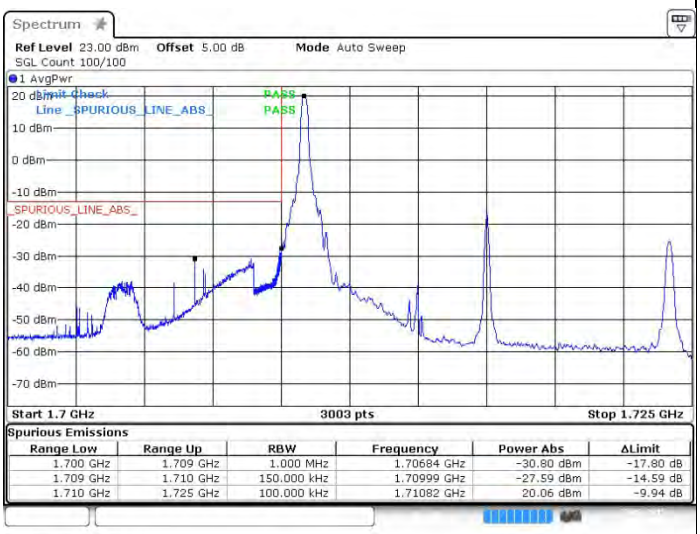
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.74641 GHz	1.91 dBm	-28.09 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75503 GHz	-35.91 dBm	-22.91 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75706 GHz	-29.70 dBm	-16.70 dB

Date: 27.MAR.2015 20:49:59

LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

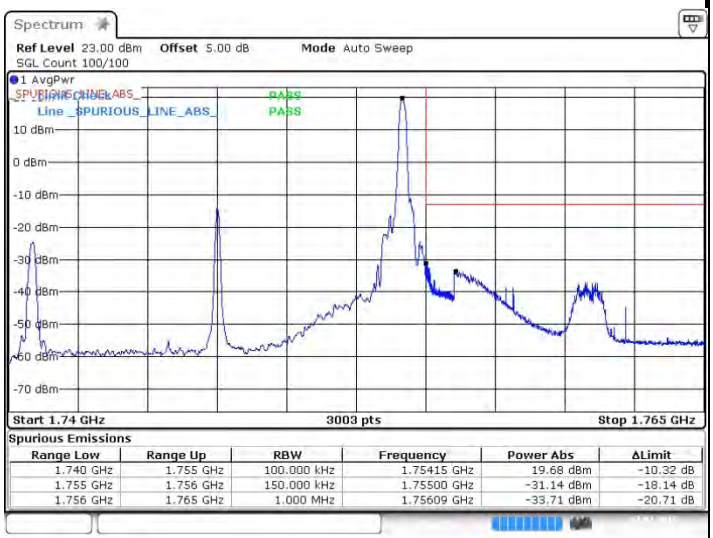


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70684 GHz	-30.80 dBm	-17.80 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70999 GHz	-27.59 dBm	-14.59 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71082 GHz	20.06 dBm	-9.94 dB

Date: 27.MAR.2015 20:48:59

Highest Band Edge / 1 RB

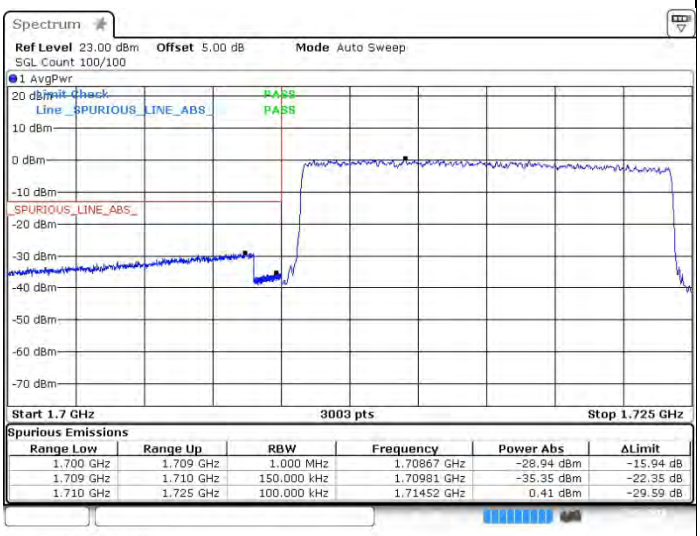


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.75415 GHz	19.68 dBm	-10.32 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75500 GHz	-31.14 dBm	-18.14 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75609 GHz	-33.71 dBm	-20.71 dB

Date: 27.MAR.2015 20:50:35

Lowest Band Edge / Full RB

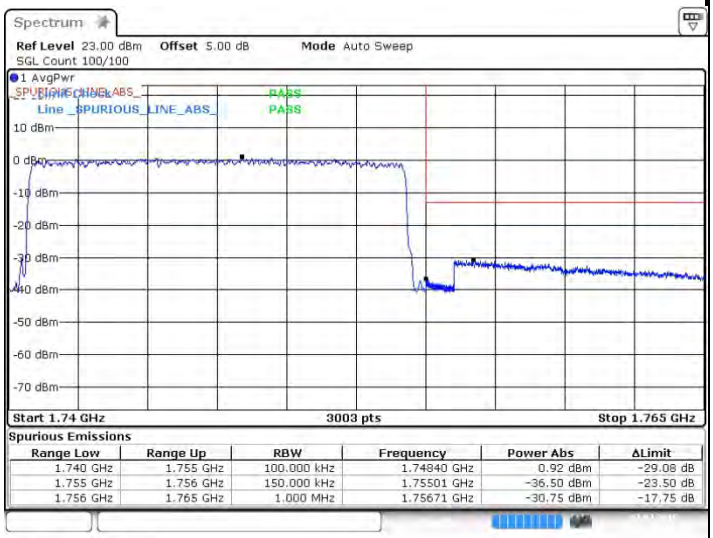


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70867 GHz	-28.94 dBm	-15.94 dB
1.709 GHz	1.710 GHz	150.000 kHz	1.70981 GHz	-35.35 dBm	-22.35 dB
1.710 GHz	1.725 GHz	100.000 kHz	1.71452 GHz	0.41 dBm	-29.59 dB

Date: 27.MAR.2015 20:49:22

Highest Band Edge / Full RB



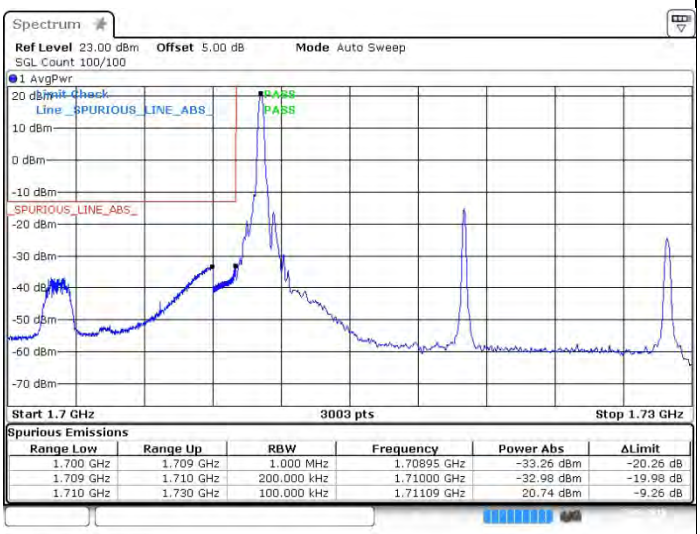
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.740 GHz	1.755 GHz	100.000 kHz	1.74840 GHz	0.92 dBm	-29.08 dB
1.755 GHz	1.756 GHz	150.000 kHz	1.75501 GHz	-36.50 dBm	-23.50 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75671 GHz	-30.75 dBm	-17.75 dB

Date: 27.MAR.2015 20:50:15

LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB

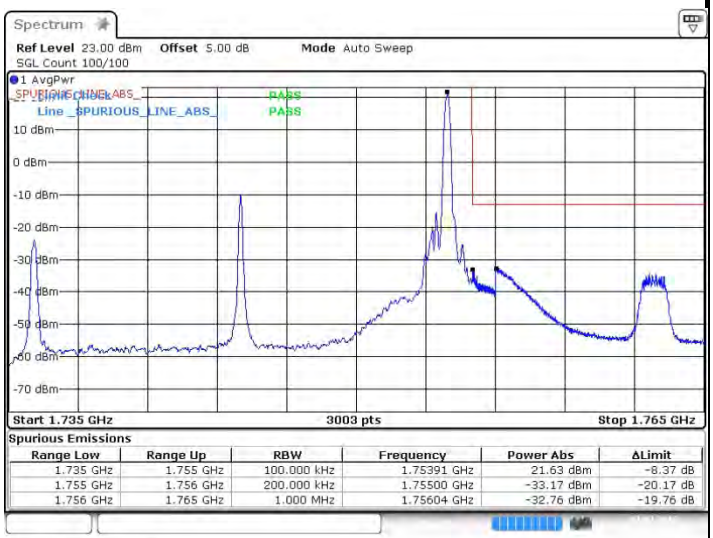


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70895 GHz	-33.26 dBm	-20.26 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.71000 GHz	-32.98 dBm	-19.98 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71109 GHz	20.74 dBm	-9.26 dB

Date: 27.MAR.2015 20:52:22

Highest Band Edge / 1 RB

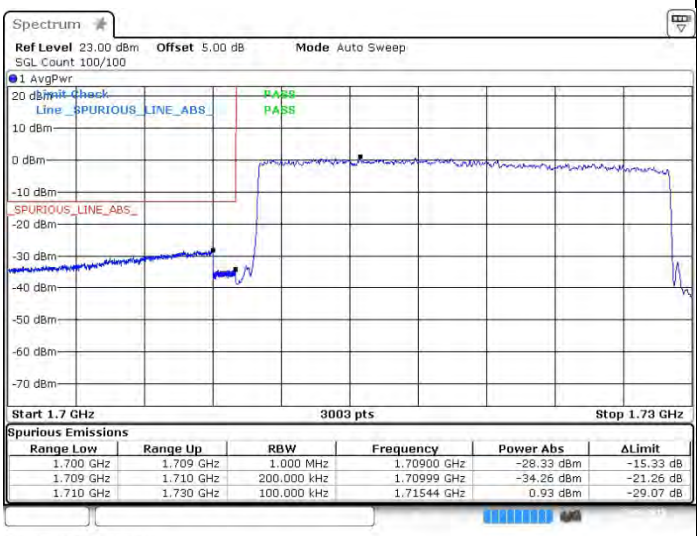


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75391 GHz	21.63 dBm	-8.37 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75500 GHz	-33.17 dBm	-20.17 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75604 GHz	-32.76 dBm	-19.76 dB

Date: 27.MAR.2015 20:58:01

Lowest Band Edge / Full RB

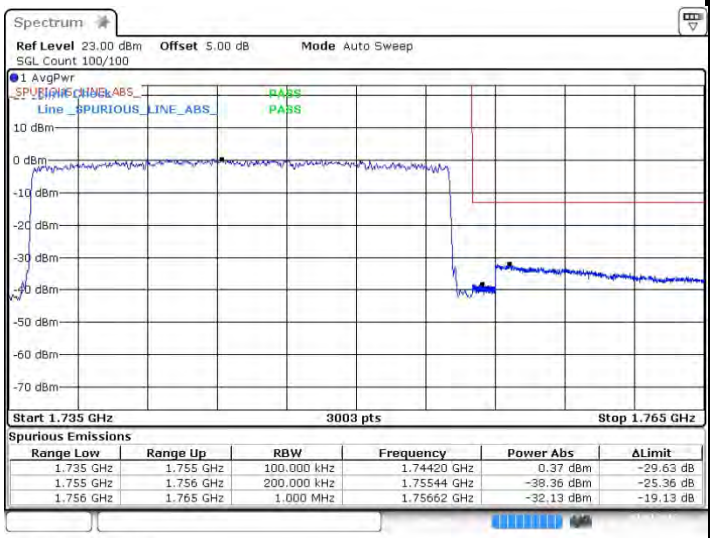


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-28.33 dBm	-15.33 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-34.26 dBm	-21.26 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71544 GHz	0.93 dBm	-29.07 dB

Date: 27.MAR.2015 20:56:55

Highest Band Edge / Full RB



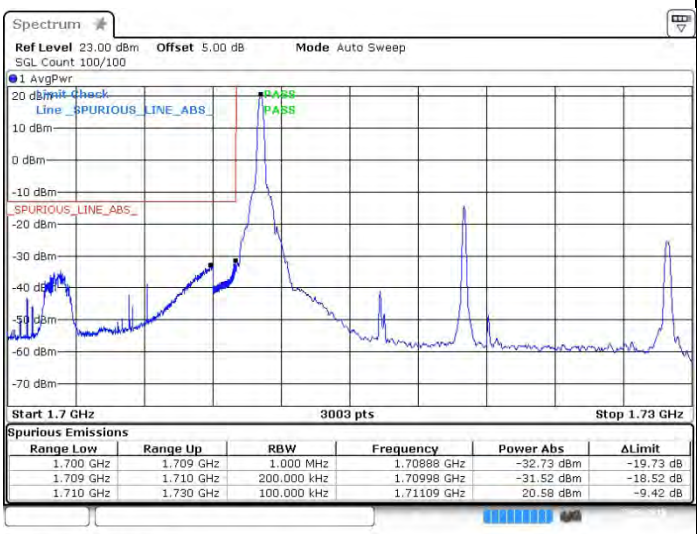
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.74420 GHz	0.37 dBm	-29.63 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75544 GHz	-38.36 dBm	-25.36 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75662 GHz	-32.13 dBm	-19.13 dB

Date: 27.MAR.2015 20:57:12

LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

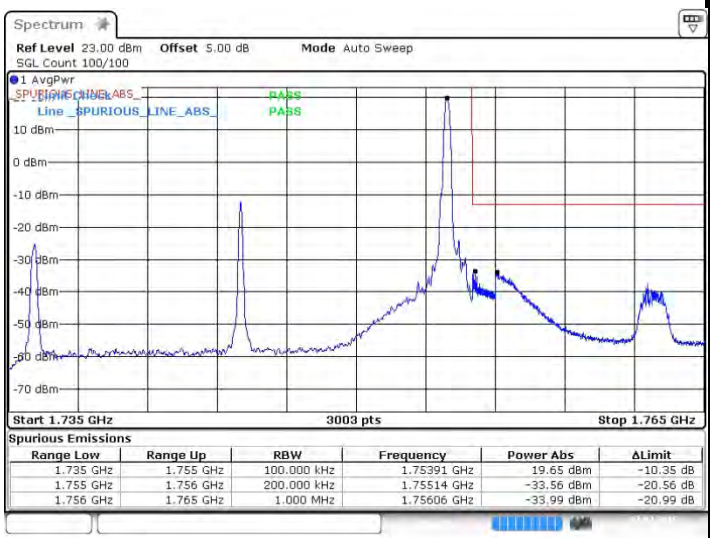


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70888 GHz	-32.73 dBm	-19.73 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70998 GHz	-31.52 dBm	-18.52 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71109 GHz	20.58 dBm	-9.42 dB

Date: 27.MAR.2015 20:56:17

Highest Band Edge / 1 RB

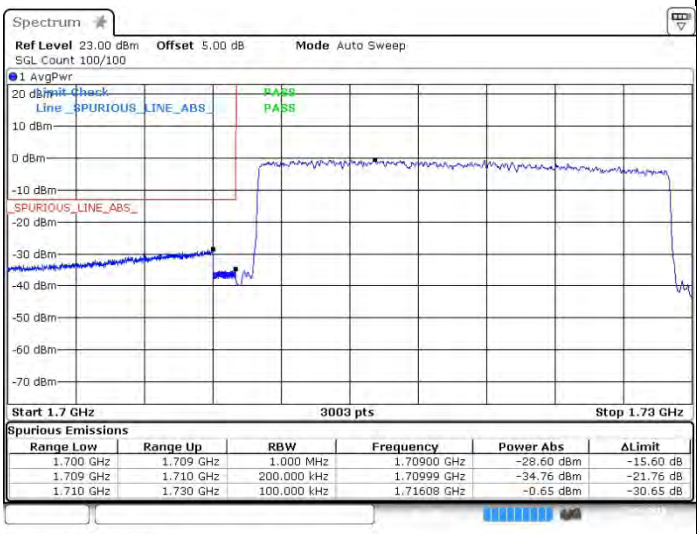


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.75391 GHz	19.65 dBm	-10.35 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75514 GHz	-33.56 dBm	-20.56 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75606 GHz	-33.99 dBm	-20.99 dB

Date: 27.MAR.2015 20:57:45

Lowest Band Edge / Full RB

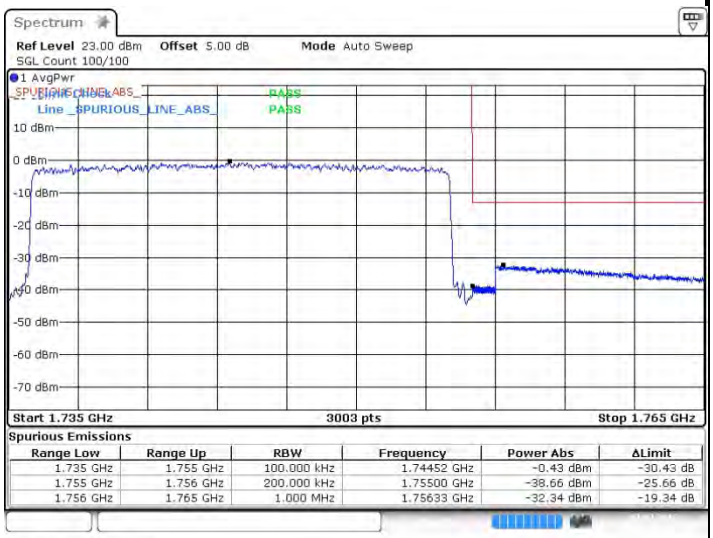


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.700 GHz	1.709 GHz	1.000 MHz	1.70900 GHz	-28.60 dBm	-15.60 dB
1.709 GHz	1.710 GHz	200.000 kHz	1.70999 GHz	-34.76 dBm	-21.76 dB
1.710 GHz	1.730 GHz	100.000 kHz	1.71608 GHz	-0.65 dBm	-30.65 dB

Date: 27.MAR.2015 20:56:37

Highest Band Edge / Full RB



Spurious Emissions

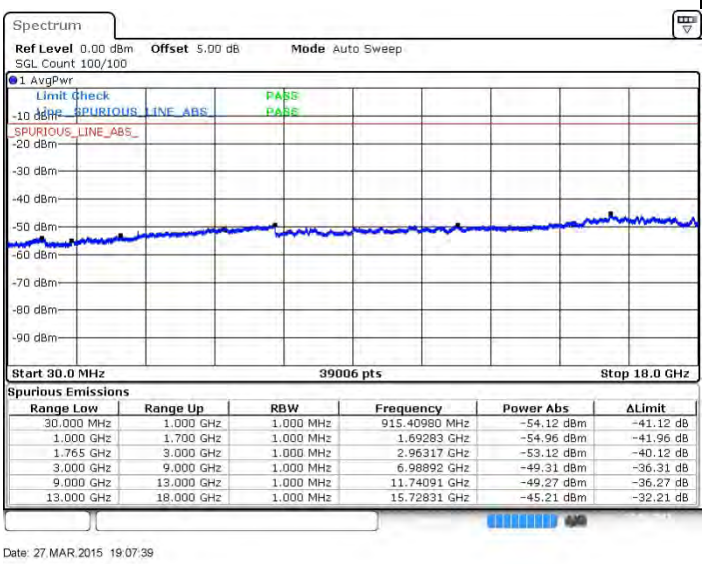
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.735 GHz	1.755 GHz	100.000 kHz	1.74452 GHz	-0.43 dBm	-30.43 dB
1.755 GHz	1.756 GHz	200.000 kHz	1.75500 GHz	-38.66 dBm	-25.66 dB
1.756 GHz	1.765 GHz	1.000 MHz	1.75633 GHz	-32.34 dBm	-19.34 dB

Date: 27.MAR.2015 20:57:27

Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

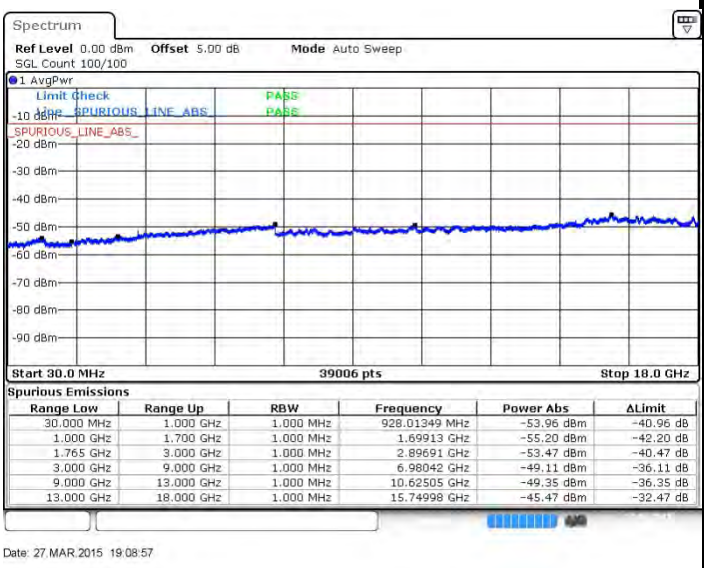


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-54.12 dBm	-41.12 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69283 GHz	-54.96 dBm	-41.96 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96317 GHz	-53.12 dBm	-40.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98892 GHz	-49.31 dBm	-36.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74091 GHz	-49.27 dBm	-36.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72831 GHz	-45.21 dBm	-32.21 dB

Date: 27.MAR.2015 19:07:39

Lowest Channel / 16QAM

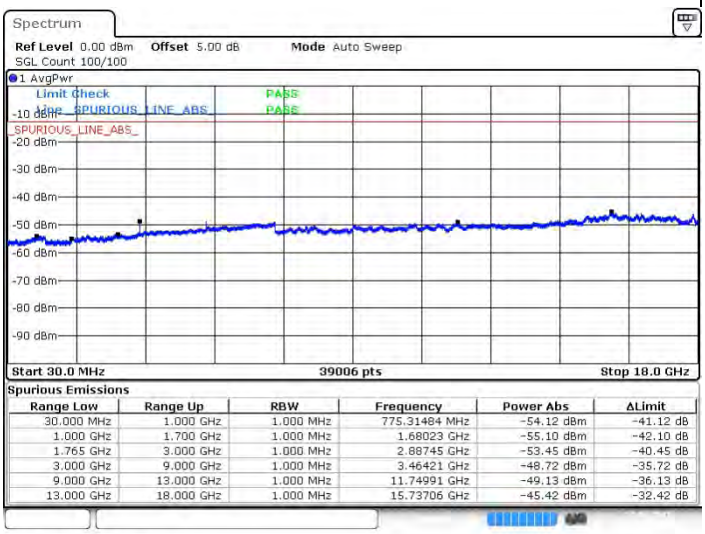


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69913 GHz	-55.20 dBm	-42.20 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.89691 GHz	-53.47 dBm	-40.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98042 GHz	-49.11 dBm	-36.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62505 GHz	-49.35 dBm	-36.35 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74998 GHz	-45.47 dBm	-32.47 dB

Date: 27.MAR.2015 19:08:57

Middle Channel / QPSK

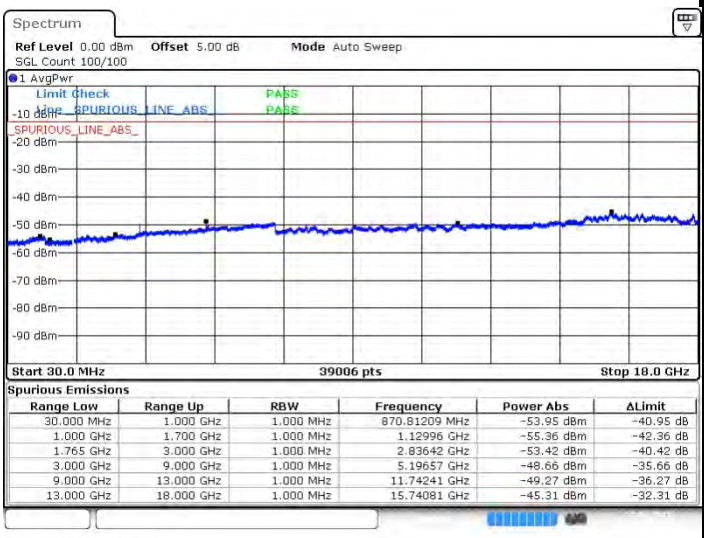


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	775.31484 MHz	-54.12 dBm	-41.12 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68023 GHz	-55.10 dBm	-42.10 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.88745 GHz	-53.45 dBm	-40.45 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.46421 GHz	-48.72 dBm	-35.72 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74991 GHz	-49.13 dBm	-36.13 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73706 GHz	-45.42 dBm	-32.42 dB

Date: 27.MAR.2015 19:10:59

Middle Channel / 16QAM



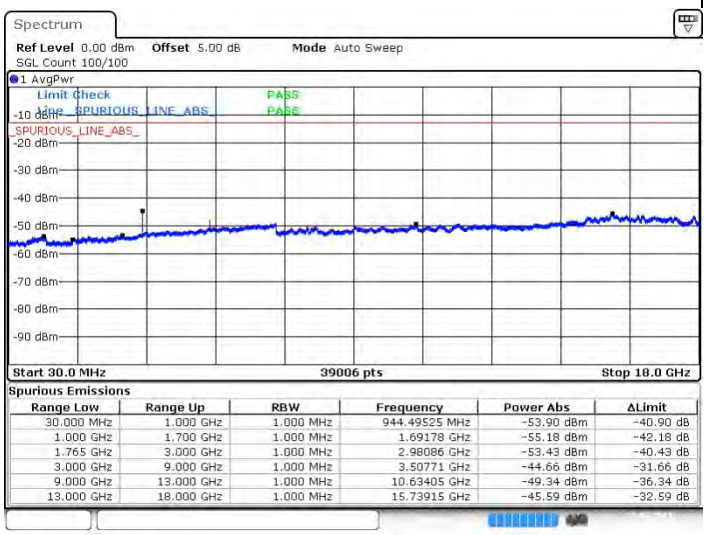
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	870.81209 MHz	-53.95 dBm	-40.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.12996 GHz	-55.36 dBm	-42.36 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83642 GHz	-53.42 dBm	-40.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.19657 GHz	-48.66 dBm	-35.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74241 GHz	-49.27 dBm	-36.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74081 GHz	-45.31 dBm	-32.31 dB

Date: 27.MAR.2015 19:12:17

LTE Band 4 / 1.4MHz

Highest Channel / QPSK

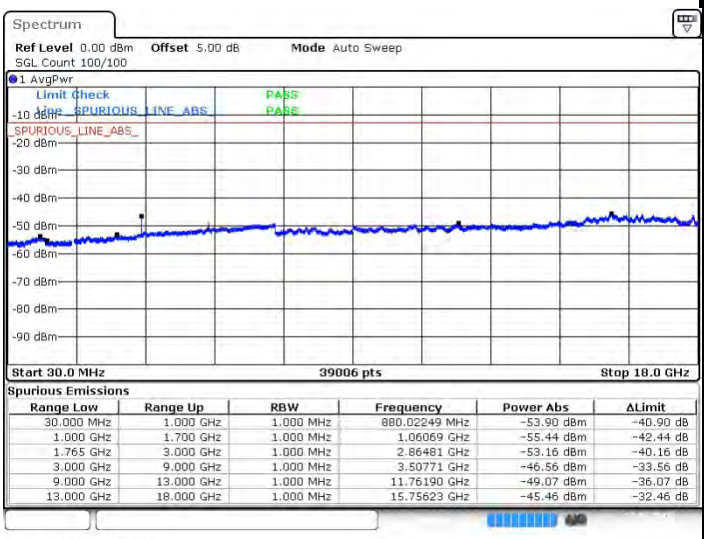


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	944.49525 MHz	-53.90 dBm	-40.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69178 GHz	-55.18 dBm	-42.18 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98086 GHz	-53.43 dBm	-40.43 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50771 GHz	-44.66 dBm	-31.66 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63405 GHz	-49.34 dBm	-36.34 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73915 GHz	-45.59 dBm	-32.59 dB

Date: 27.MAR.2015 19:14:19

Highest Channel / 16QAM



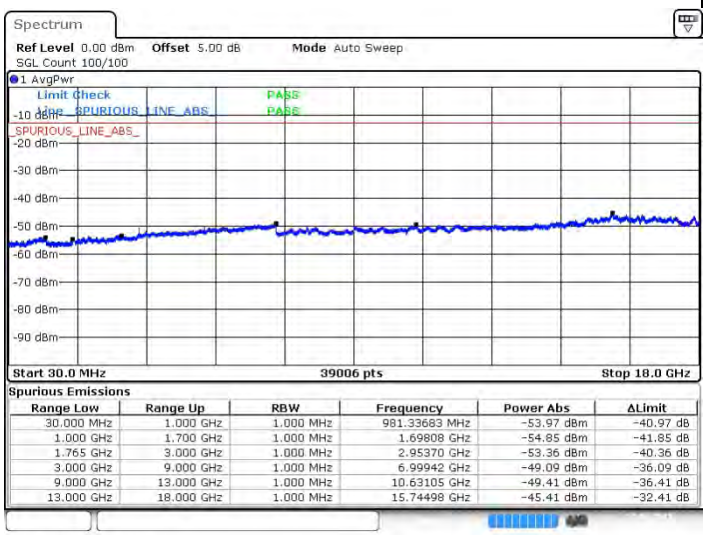
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	880.02249 MHz	-53.90 dBm	-40.90 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.06069 GHz	-55.44 dBm	-42.44 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86481 GHz	-53.16 dBm	-40.16 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50771 GHz	-46.56 dBm	-33.56 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.76190 GHz	-49.07 dBm	-36.07 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75623 GHz	-45.46 dBm	-32.46 dB

Date: 27.MAR.2015 19:15:37

LTE Band 4 / 3MHz

Lowest Channel / QPSK

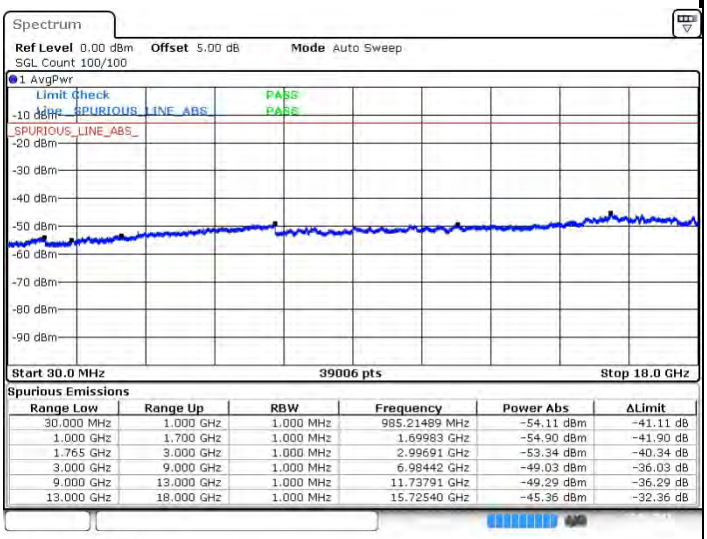


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.33683 MHz	-53.97 dBm	-40.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69808 GHz	-54.85 dBm	-41.85 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95370 GHz	-53.36 dBm	-40.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99942 GHz	-49.09 dBm	-36.09 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63105 GHz	-49.41 dBm	-36.41 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74498 GHz	-45.41 dBm	-32.41 dB

Date: 27.MAR.2015 19:17:42

Lowest Channel / 16QAM



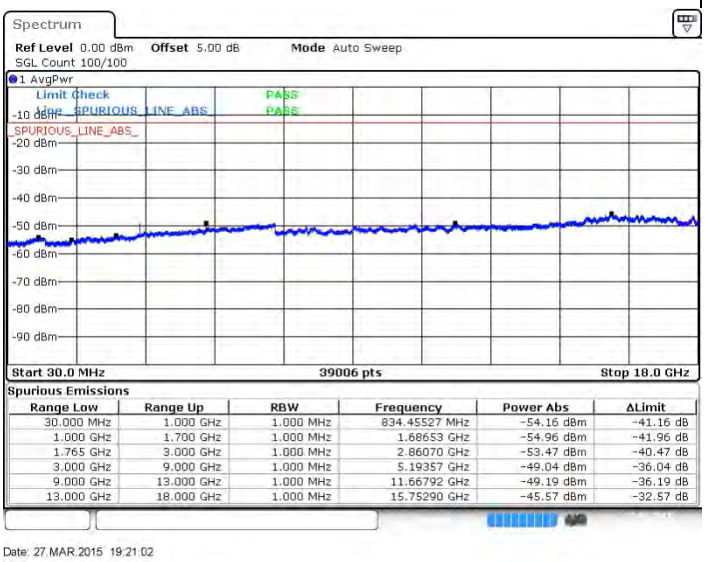
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	985.21489 MHz	-54.11 dBm	-41.11 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-54.90 dBm	-41.90 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99691 GHz	-53.34 dBm	-40.34 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98442 GHz	-49.03 dBm	-36.03 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.73791 GHz	-49.29 dBm	-36.29 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72540 GHz	-45.36 dBm	-32.36 dB

Date: 27.MAR.2015 19:19:00

LTE Band 4 / 3MHz

Middle Channel / QPSK

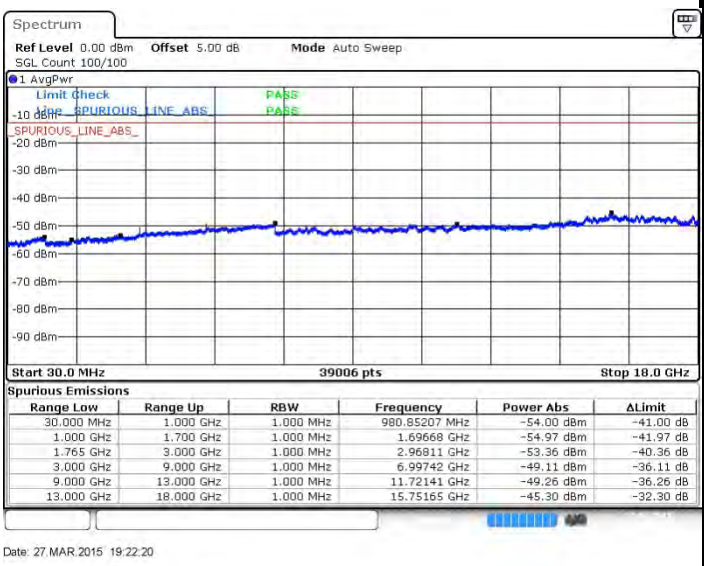


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	834.45527 MHz	-54.16 dBm	-41.16 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68653 GHz	-54.96 dBm	-41.96 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86070 GHz	-53.47 dBm	-40.47 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.19357 GHz	-49.04 dBm	-36.04 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.66792 GHz	-49.19 dBm	-36.19 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75290 GHz	-45.57 dBm	-32.57 dB

Date: 27.MAR.2015 19:21:02

Middle Channel / 16QAM

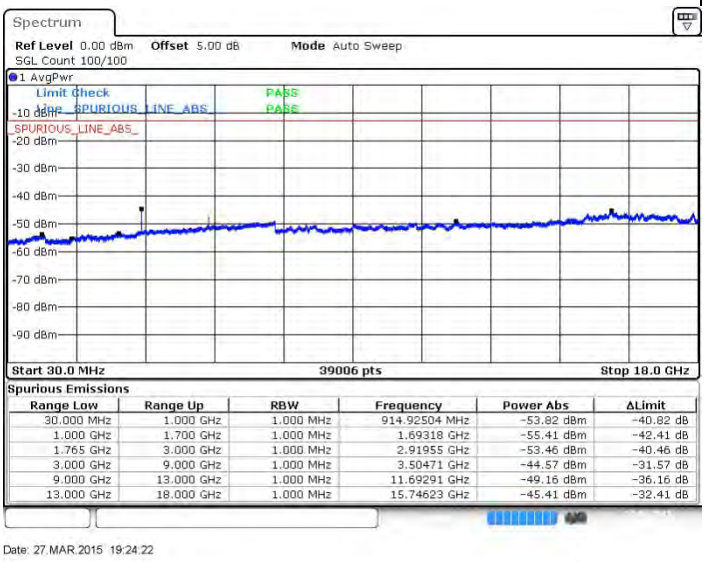


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	980.85207 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69668 GHz	-54.97 dBm	-41.97 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96811 GHz	-53.36 dBm	-40.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99742 GHz	-49.11 dBm	-36.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.72141 GHz	-49.26 dBm	-36.26 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75165 GHz	-45.30 dBm	-32.30 dB

Date: 27.MAR.2015 19:22:20

Highest Channel / QPSK

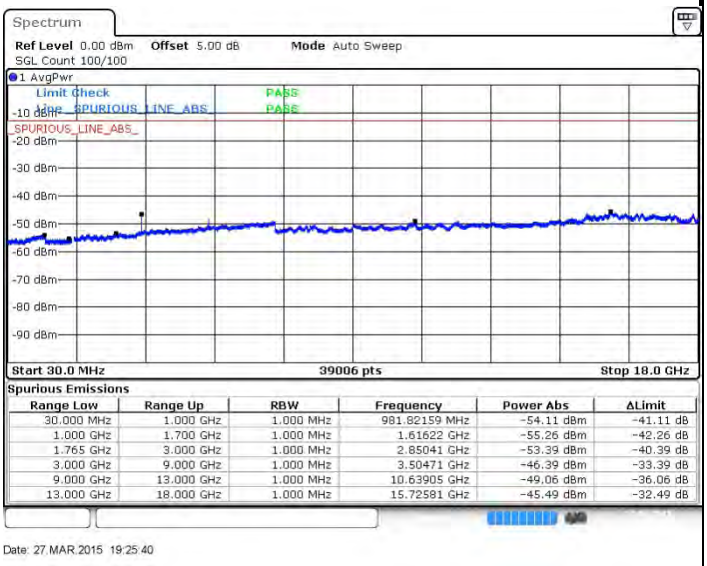


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	914.92504 MHz	-53.82 dBm	-40.82 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69318 GHz	-55.41 dBm	-42.41 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.91955 GHz	-53.46 dBm	-40.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50471 GHz	-44.57 dBm	-31.57 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.69291 GHz	-49.16 dBm	-36.16 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74623 GHz	-45.41 dBm	-32.41 dB

Date: 27.MAR.2015 19:24:22

Highest Channel / 16QAM



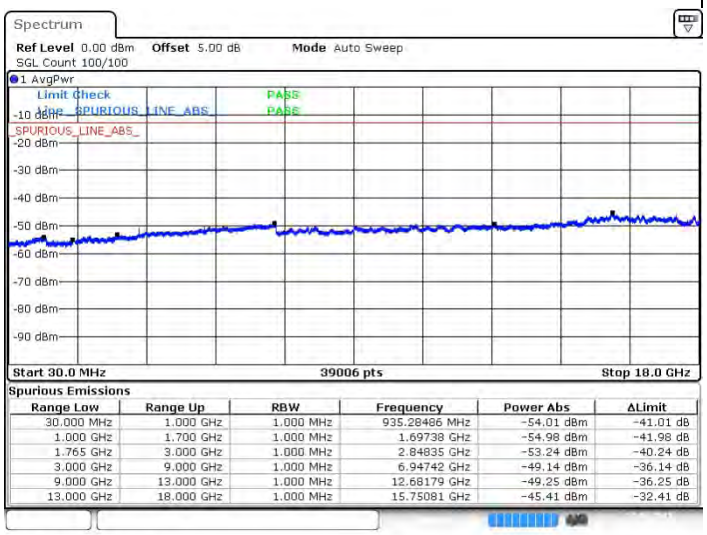
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	981.82159 MHz	-54.11 dBm	-41.11 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.61622 GHz	-55.26 dBm	-42.26 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.85041 GHz	-53.39 dBm	-40.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50471 GHz	-46.39 dBm	-33.39 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63905 GHz	-49.06 dBm	-36.06 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72581 GHz	-45.49 dBm	-32.49 dB

Date: 27.MAR.2015 19:25:40

LTE Band 4 / 5MHz

Lowest Channel / QPSK

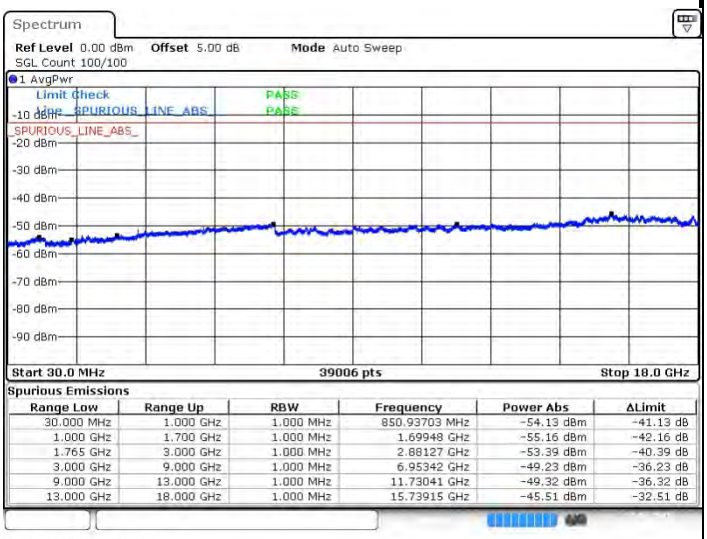


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.28486 MHz	-54.01 dBm	-41.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-54.98 dBm	-41.98 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84835 GHz	-53.24 dBm	-40.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94742 GHz	-49.14 dBm	-36.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68179 GHz	-49.25 dBm	-36.25 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75081 GHz	-45.41 dBm	-32.41 dB

Date: 27.MAR.2015 19:27:42

Lowest Channel / 16QAM

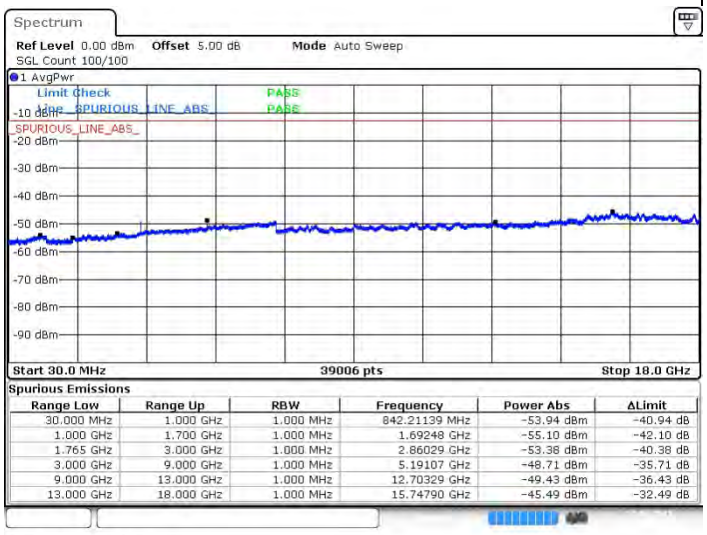


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	850.93703 MHz	-54.13 dBm	-41.13 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-55.16 dBm	-42.16 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.88127 GHz	-53.39 dBm	-40.39 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.95342 GHz	-49.23 dBm	-36.23 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.73041 GHz	-49.32 dBm	-36.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73915 GHz	-45.51 dBm	-32.51 dB

Date: 27.MAR.2015 19:29:01

Middle Channel / QPSK

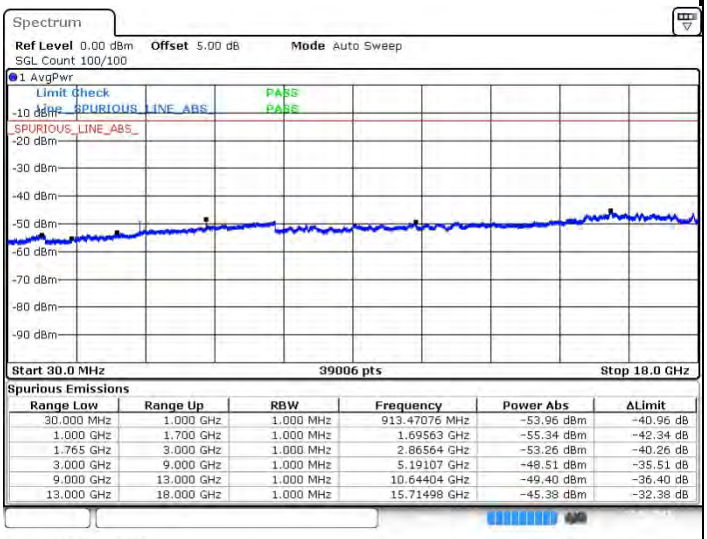


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	842.21139 MHz	-53.94 dBm	-40.94 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69248 GHz	-55.10 dBm	-42.10 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86029 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.19107 GHz	-48.71 dBm	-35.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70329 GHz	-49.43 dBm	-36.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74790 GHz	-45.49 dBm	-32.49 dB

Date: 27.MAR.2015 19:31:03

Middle Channel / 16QAM



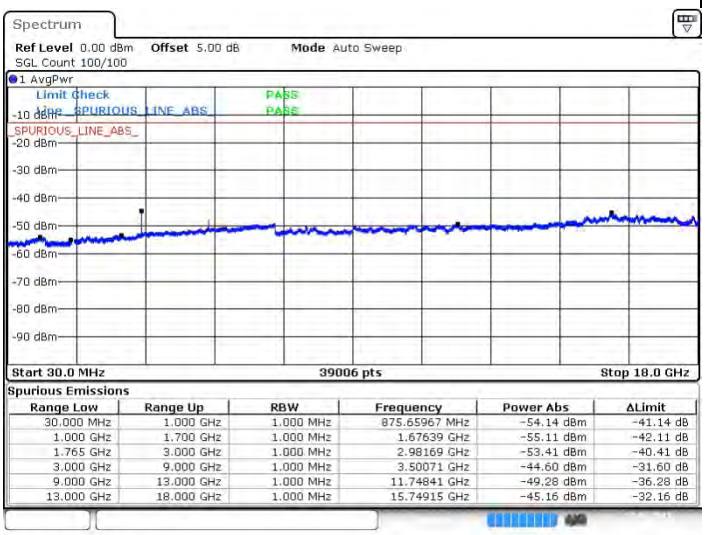
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	913.47076 MHz	-53.96 dBm	-40.96 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69563 GHz	-55.34 dBm	-42.34 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86564 GHz	-53.26 dBm	-40.26 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.19107 GHz	-48.51 dBm	-35.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64404 GHz	-49.40 dBm	-36.40 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.71498 GHz	-45.38 dBm	-32.38 dB

Date: 27.MAR.2015 19:32:21

LTE Band 4 / 5MHz

Highest Channel / QPSK

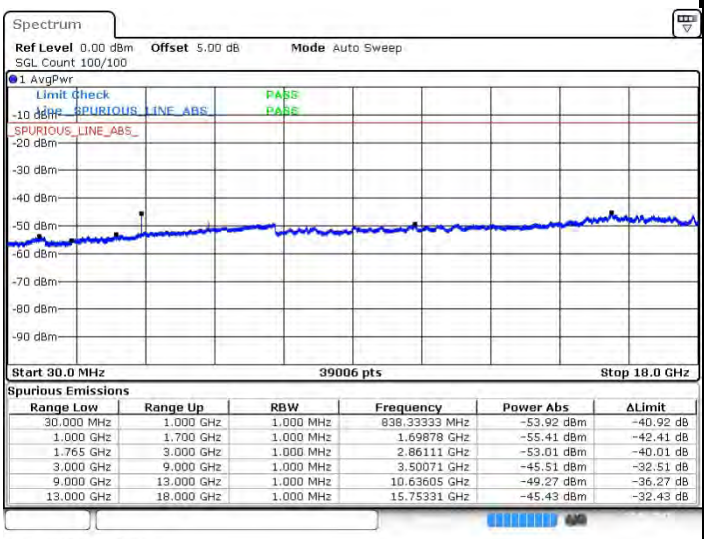


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	875.65967 MHz	-54.14 dBm	-41.14 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.67639 GHz	-55.11 dBm	-42.11 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98169 GHz	-53.41 dBm	-40.41 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50071 GHz	-44.60 dBm	-31.60 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74841 GHz	-49.28 dBm	-36.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74915 GHz	-45.16 dBm	-32.16 dB

Date: 27.MAR.2015 19:34:23

Highest Channel / 16QAM



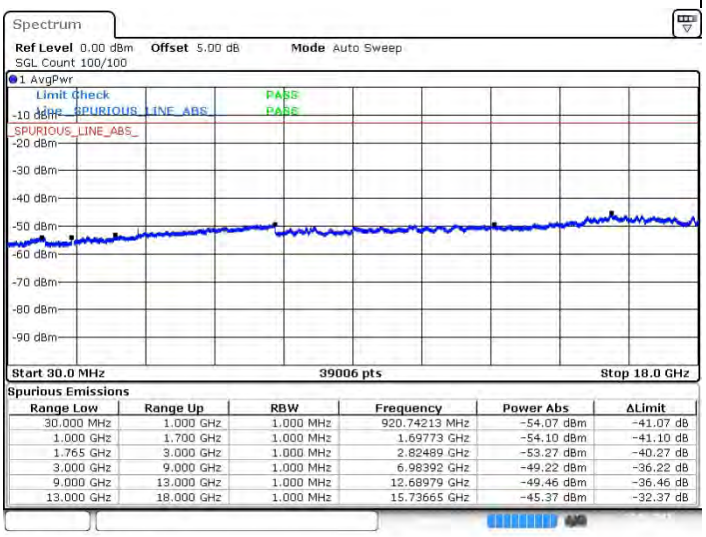
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	838.33333 MHz	-53.92 dBm	-40.92 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69878 GHz	-55.41 dBm	-42.41 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86111 GHz	-53.01 dBm	-40.01 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.50071 GHz	-45.51 dBm	-32.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63605 GHz	-49.27 dBm	-36.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75331 GHz	-45.43 dBm	-32.43 dB

Date: 27.MAR.2015 19:35:41

LTE Band 4 / 10MHz

Lowest Channel / QPSK

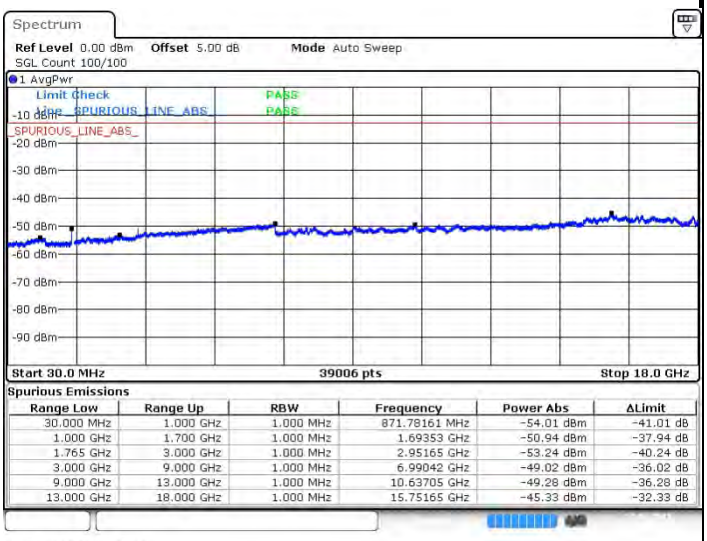


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	920.74213 MHz	-54.07 dBm	-41.07 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-54.10 dBm	-41.10 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.82489 GHz	-53.27 dBm	-40.27 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98392 GHz	-49.22 dBm	-36.22 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68979 GHz	-49.46 dBm	-36.46 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73665 GHz	-45.37 dBm	-32.37 dB

Date: 27.MAR.2015 19:37:43

Lowest Channel / 16QAM



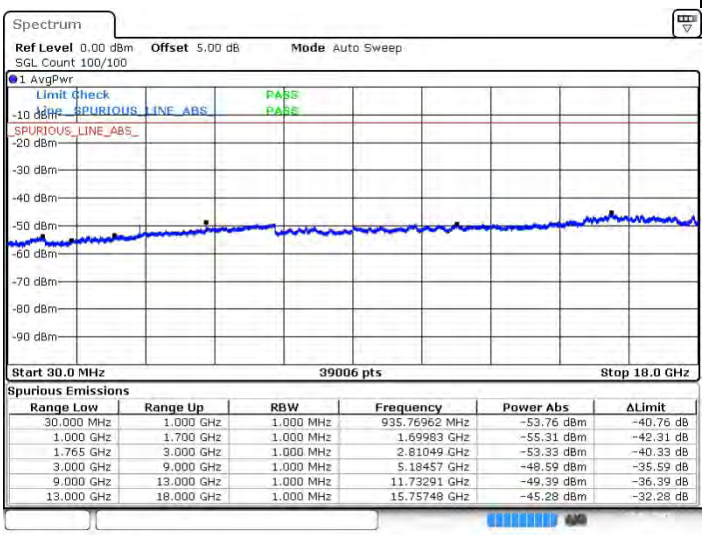
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	871.78161 MHz	-54.01 dBm	-41.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-50.94 dBm	-37.94 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.95165 GHz	-53.24 dBm	-40.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99042 GHz	-49.02 dBm	-36.02 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63705 GHz	-49.28 dBm	-36.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75165 GHz	-45.33 dBm	-32.33 dB

Date: 27.MAR.2015 19:39:01

LTE Band 4 / 10MHz

Middle Channel / QPSK

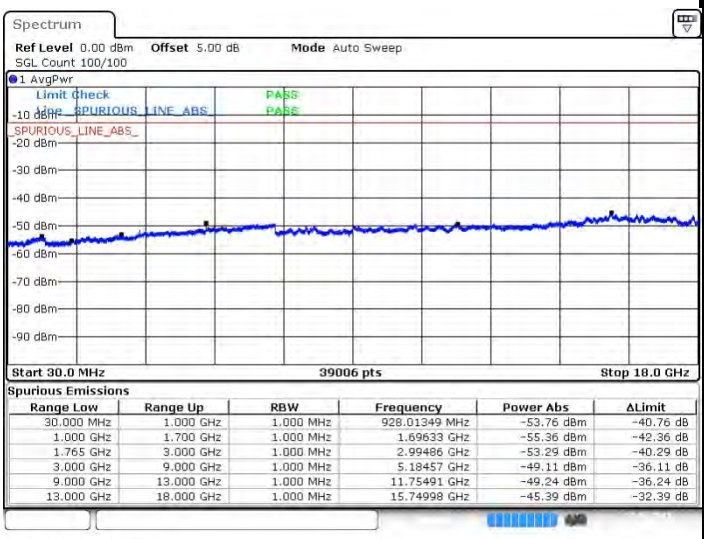


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	935.76962 MHz	-53.76 dBm	-40.76 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-55.31 dBm	-42.31 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.81049 GHz	-53.33 dBm	-40.33 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.18457 GHz	-48.59 dBm	-35.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.73291 GHz	-49.39 dBm	-36.39 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75748 GHz	-45.28 dBm	-32.28 dB

Date: 27.MAR.2015 19:41:03

Middle Channel / 16QAM

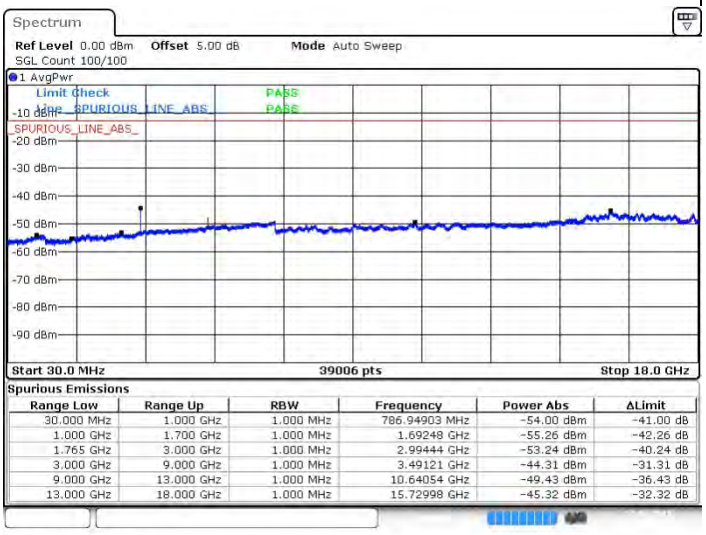


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-53.76 dBm	-40.76 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69633 GHz	-55.36 dBm	-42.36 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99486 GHz	-53.29 dBm	-40.29 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.18457 GHz	-49.11 dBm	-36.11 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75491 GHz	-49.24 dBm	-36.24 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74998 GHz	-45.39 dBm	-32.39 dB

Date: 27.MAR.2015 19:42:21

Highest Channel / QPSK

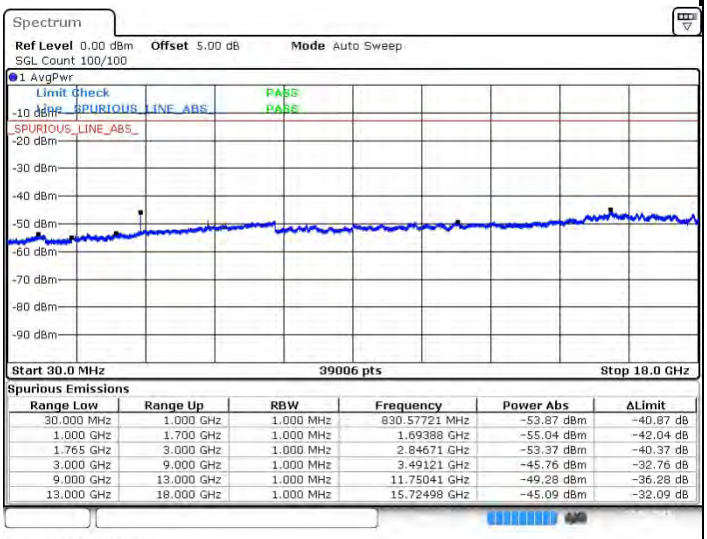


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	786.94903 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69248 GHz	-55.26 dBm	-42.26 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99444 GHz	-53.24 dBm	-40.24 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.49121 GHz	-44.31 dBm	-31.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.64054 GHz	-49.43 dBm	-36.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72998 GHz	-45.32 dBm	-32.32 dB

Date: 27.MAR.2015 19:44:23

Highest Channel / 16QAM



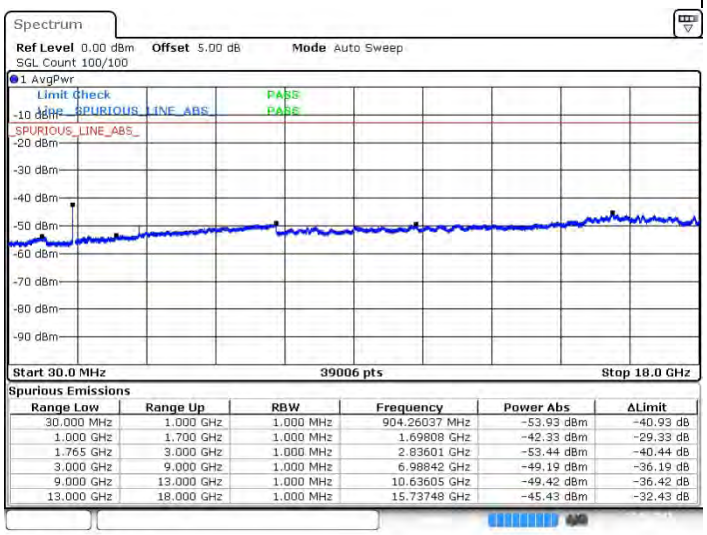
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	830.57721 MHz	-53.87 dBm	-40.87 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69388 GHz	-55.04 dBm	-42.04 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84671 GHz	-53.37 dBm	-40.37 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.49121 GHz	-45.76 dBm	-32.76 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75041 GHz	-49.28 dBm	-36.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72498 GHz	-45.09 dBm	-32.09 dB

Date: 27.MAR.2015 19:45:41

LTE Band 4 / 15MHz

Lowest Channel / QPSK

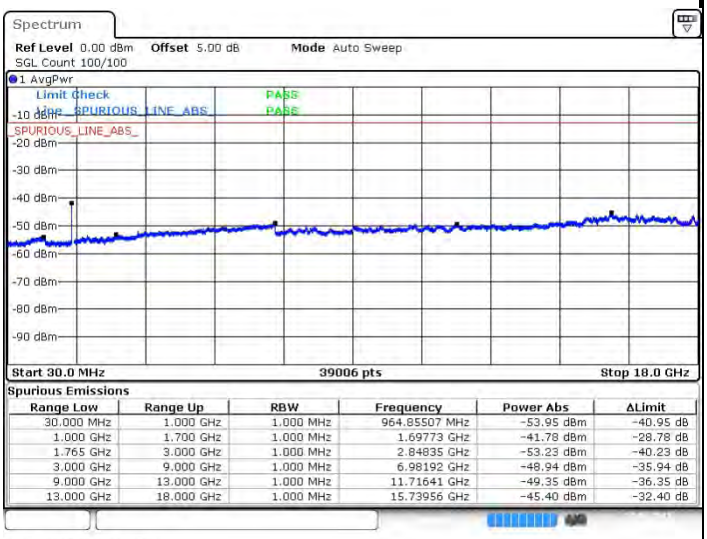


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.26037 MHz	-53.93 dBm	-40.93 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69808 GHz	-42.33 dBm	-29.33 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83601 GHz	-53.44 dBm	-40.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98842 GHz	-49.19 dBm	-36.19 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.63605 GHz	-49.42 dBm	-36.42 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73748 GHz	-45.43 dBm	-32.43 dB

Date: 27.MAR.2015 19:47:43

Lowest Channel / 16QAM

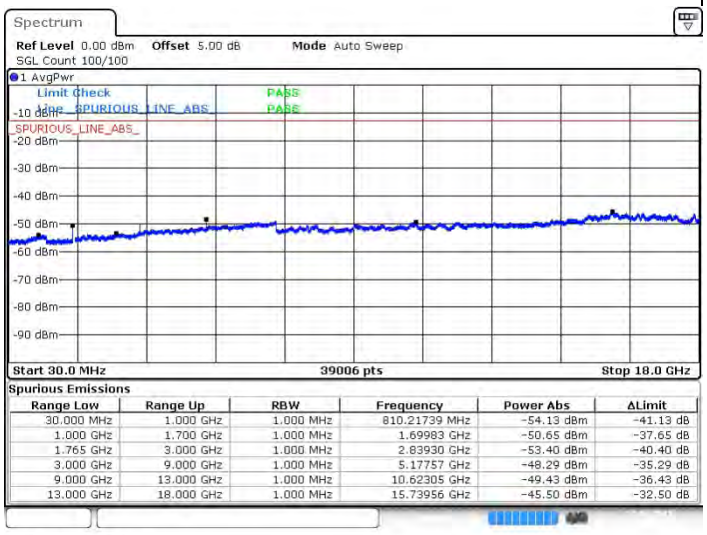


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	964.85507 MHz	-53.95 dBm	-40.95 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-41.78 dBm	-28.78 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84835 GHz	-53.23 dBm	-40.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98192 GHz	-48.94 dBm	-35.94 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.71641 GHz	-49.35 dBm	-36.35 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73956 GHz	-45.40 dBm	-32.40 dB

Date: 27.MAR.2015 19:49:02

Middle Channel / QPSK

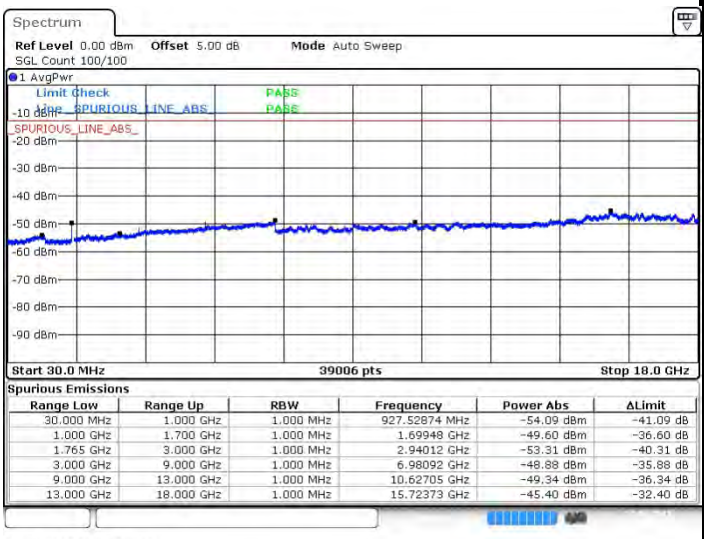


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	810.21739 MHz	-54.13 dBm	-41.13 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-50.65 dBm	-37.65 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.83930 GHz	-53.40 dBm	-40.40 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.17757 GHz	-48.29 dBm	-35.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62305 GHz	-49.43 dBm	-36.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73956 GHz	-45.50 dBm	-32.50 dB

Date: 27.MAR.2015 19:51:04

Middle Channel / 16QAM



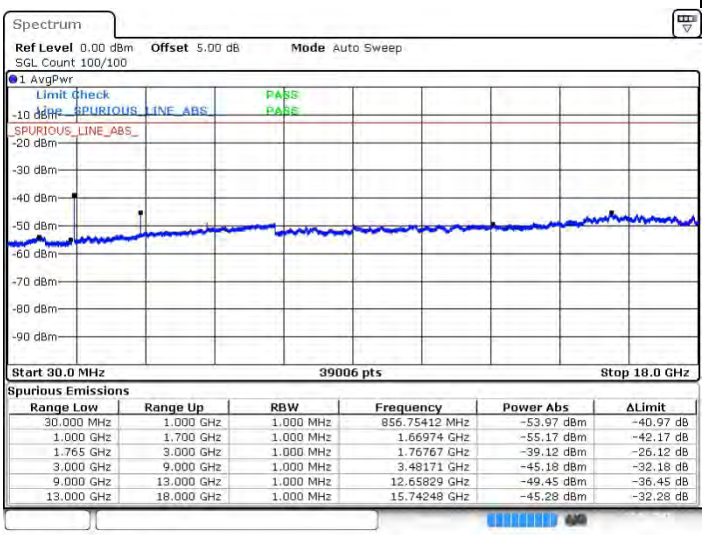
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	927.52874 MHz	-54.09 dBm	-41.09 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-49.60 dBm	-36.60 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.94012 GHz	-53.31 dBm	-40.31 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98092 GHz	-48.88 dBm	-35.88 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62705 GHz	-49.34 dBm	-36.34 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72373 GHz	-45.40 dBm	-32.40 dB

Date: 27.MAR.2015 19:52:22

LTE Band 4 / 15MHz

Highest Channel / QPSK

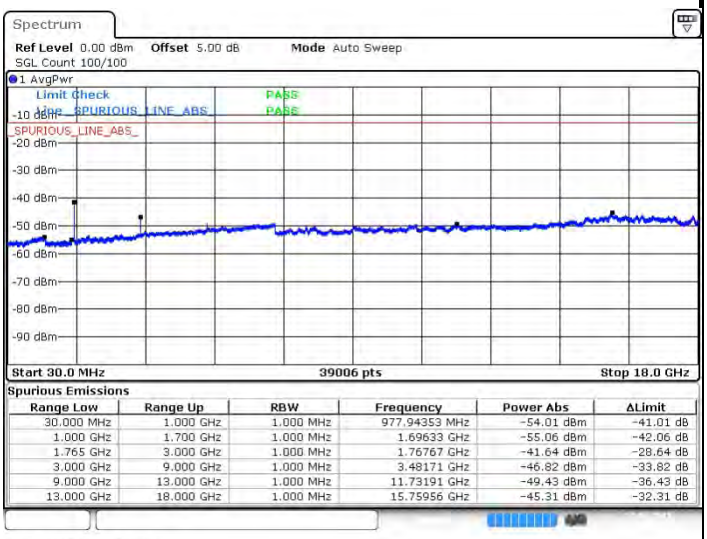


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	856.75412 MHz	-53.97 dBm	-40.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.66974 GHz	-55.17 dBm	-42.17 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-39.12 dBm	-26.12 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-45.18 dBm	-32.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65829 GHz	-49.45 dBm	-36.45 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74248 GHz	-45.28 dBm	-32.28 dB

Date: 27.MAR.2015 19:54:24

Highest Channel / 16QAM



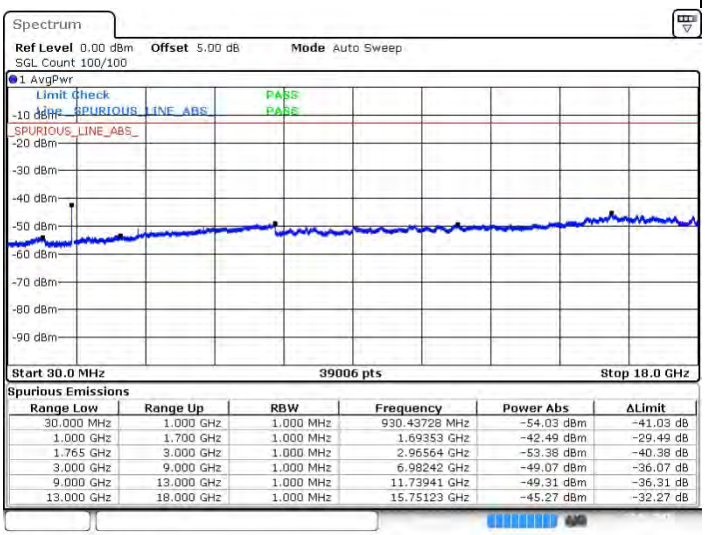
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	977.94353 MHz	-54.01 dBm	-41.01 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69633 GHz	-55.06 dBm	-42.06 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-41.64 dBm	-28.64 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.48171 GHz	-46.82 dBm	-33.82 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.73191 GHz	-49.43 dBm	-36.43 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75956 GHz	-45.31 dBm	-32.31 dB

Date: 27.MAR.2015 19:55:42

LTE Band 4 / 20MHz

Lowest Channel / QPSK

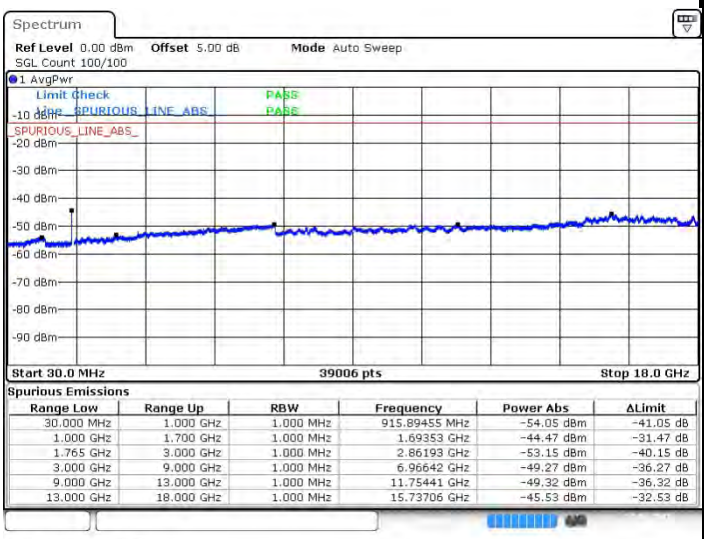


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.43728 MHz	-54.03 dBm	-41.03 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-42.49 dBm	-29.49 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96564 GHz	-53.38 dBm	-40.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98242 GHz	-49.07 dBm	-36.07 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.73941 GHz	-49.31 dBm	-36.31 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75123 GHz	-45.27 dBm	-32.27 dB

Date: 27.MAR.2015 19:57:44

Lowest Channel / 16QAM



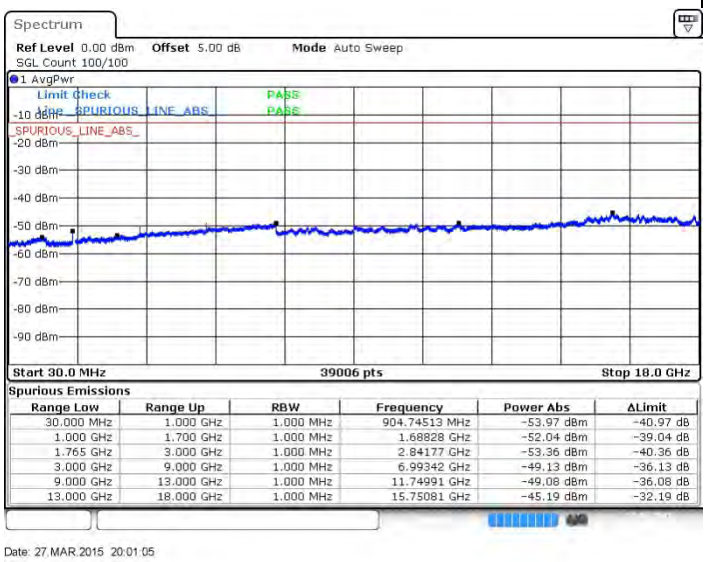
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.89455 MHz	-54.05 dBm	-41.05 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-44.47 dBm	-31.47 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.86193 GHz	-53.15 dBm	-40.15 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.96642 GHz	-49.27 dBm	-36.27 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75441 GHz	-49.32 dBm	-36.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73706 GHz	-45.53 dBm	-32.53 dB

Date: 27.MAR.2015 19:59:03

LTE Band 4 / 20MHz

Middle Channel / QPSK

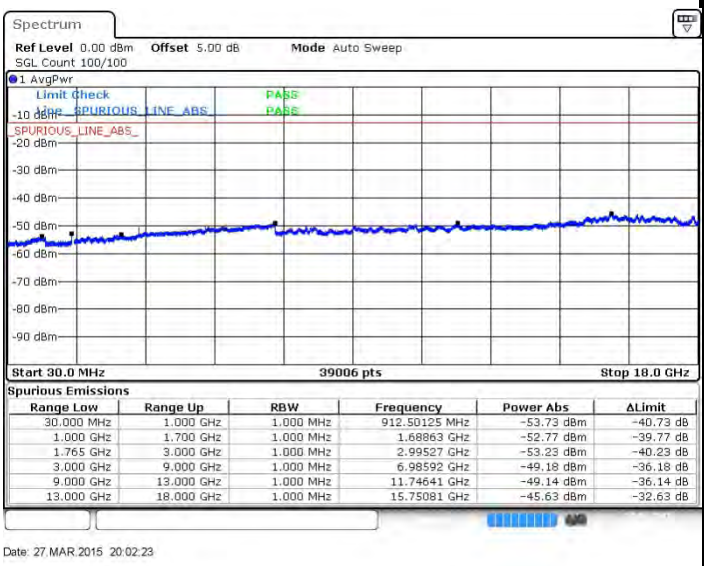


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	904.74513 MHz	-53.97 dBm	-40.97 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68828 GHz	-52.04 dBm	-39.04 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.84177 GHz	-53.36 dBm	-40.36 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.99342 GHz	-49.13 dBm	-36.13 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74991 GHz	-49.08 dBm	-36.08 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75081 GHz	-45.19 dBm	-32.19 dB

Date: 27.MAR.2015 20:01:05

Middle Channel / 16QAM

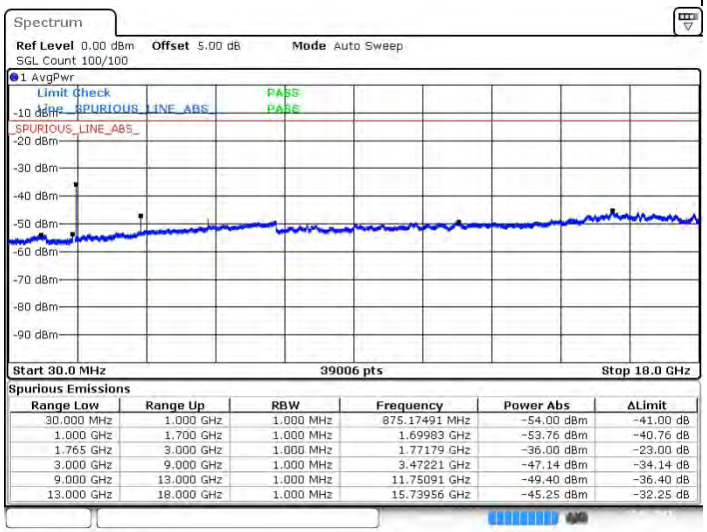


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	912.50125 MHz	-53.73 dBm	-40.73 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.68863 GHz	-52.77 dBm	-39.77 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99527 GHz	-53.23 dBm	-40.23 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.98592 GHz	-49.18 dBm	-36.18 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.74641 GHz	-49.14 dBm	-36.14 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75081 GHz	-45.63 dBm	-32.63 dB

Date: 27.MAR.2015 20:02:23

Highest Channel / QPSK

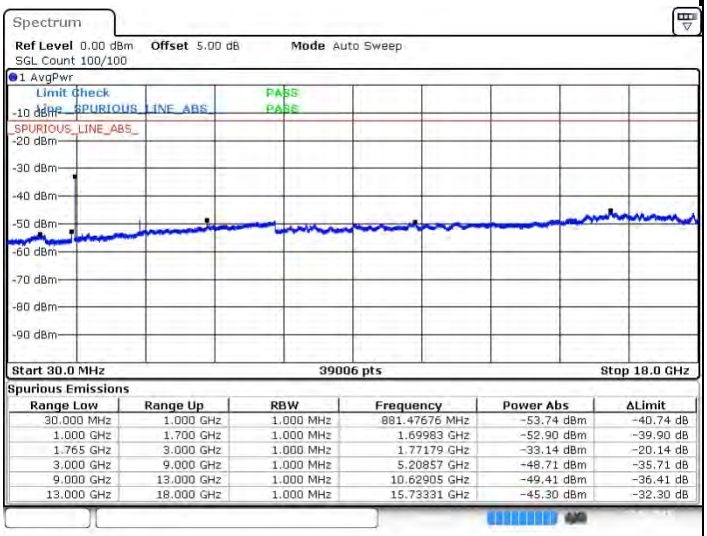


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	875.17491 MHz	-54.00 dBm	-41.00 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.76 dBm	-40.76 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-36.00 dBm	-23.00 dB
3.000 GHz	9.000 GHz	1.000 MHz	3.47221 GHz	-47.14 dBm	-34.14 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.75091 GHz	-49.40 dBm	-36.40 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73956 GHz	-45.25 dBm	-32.25 dB

Date: 27.MAR.2015 20:04:25

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	-53.74 dBm	-40.74 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-52.90 dBm	-39.90 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-33.14 dBm	-20.14 dB
3.000 GHz	9.000 GHz	1.000 MHz	5.20857 GHz	-48.71 dBm	-35.71 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.62905 GHz	-49.41 dBm	-36.41 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73331 GHz	-45.30 dBm	-32.30 dB

Date: 27.MAR.2015 20:05:43

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	0.0006	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0049	
0	Normal Voltage	0.0064	
-10	Normal Voltage	0.0039	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0036	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.8V. ；Battery End Point (BEP) = 3.7 V.；Maximum Voltage =4.2 V
2. Note: The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.

LTE Band 7

Conducted Output Power(Average power)

LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
5	1	0	QPSK	22.13	22.20	22.03
5	1	12		22.26	22.32	22.12
5	1	24		22.26	22.32	22.10
5	12	0		21.32	21.48	21.17
5	12	6		21.36	21.48	21.19
5	12	11		21.39	21.45	21.24
5	25	0		21.35	21.39	21.34
5	1	0	16-QAM	21.39	21.47	21.30
5	1	12		21.52	21.42	21.29
5	1	24		21.52	21.43	21.31
5	12	0		20.66	20.65	20.62
5	12	6		20.59	20.63	20.57
5	12	11		20.63	20.88	20.49
5	25	0		20.60	20.67	20.49
10	1	0	QPSK	22.07	22.12	22.18
10	1	24		22.19	22.27	22.20
10	1	49		22.36	22.29	22.19
10	25	0		21.26	21.55	21.60
10	25	12		21.50	21.32	21.28
10	25	24		21.66	21.42	21.24
10	50	0		21.54	21.46	21.30
10	1	0	16-QAM	21.31	21.38	21.30
10	1	24		21.30	21.45	21.19
10	1	49		21.44	21.42	21.15
10	25	0		20.55	20.78	20.73
10	25	12		20.71	20.49	20.44
10	25	24		20.76	20.56	20.43
10	50	0		20.52	20.58	20.49

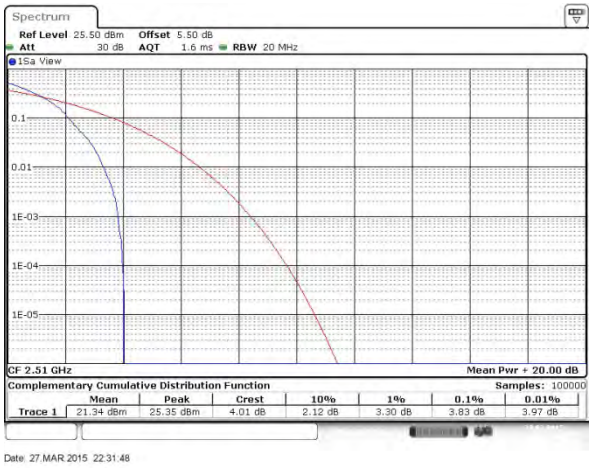
LTE Band 7 Maximum Average Power [dBm]						
BW [MHz]	RB Size	RB Offset	Mod	Lowest	Middle	Highest
15	1	0	QPSK	22.14	22.11	22.13
15	1	37		22.34	22.38	22.29
15	1	74		22.25	22.31	22.09
15	36	0		21.35	21.46	21.37
15	36	18		21.47	21.35	21.28
15	36	37		21.54	21.40	21.04
15	75	0		21.48	21.45	21.13
15	1	0	16-QAM	21.28	21.19	21.10
15	1	37		21.52	21.39	21.25
15	1	74		21.37	21.33	21.06
15	36	0		20.68	20.76	20.57
15	36	18		20.71	20.63	20.57
15	36	37		20.60	20.56	20.31
15	75	0		20.55	20.50	20.39
20	1	0	QPSK	22.17	22.39	22.18
20	1	49		22.16	22.31	22.08
20	1	99		22.15	22.14	22.02
20	50	0		21.39	21.42	21.28
20	50	24		21.31	21.35	21.29
20	50	49		21.29	21.35	21.12
20	100	0		21.27	21.39	21.10
20	1	0	16-QAM	21.33	21.20	21.24
20	1	49		21.41	21.24	21.17
20	1	99		21.31	21.11	21.02
20	50	0		20.69	20.67	20.40
20	50	24		20.55	20.63	20.45
20	50	49		20.42	20.61	20.41
20	100	0		20.38	20.66	20.57

Peak-to-Average Ratio

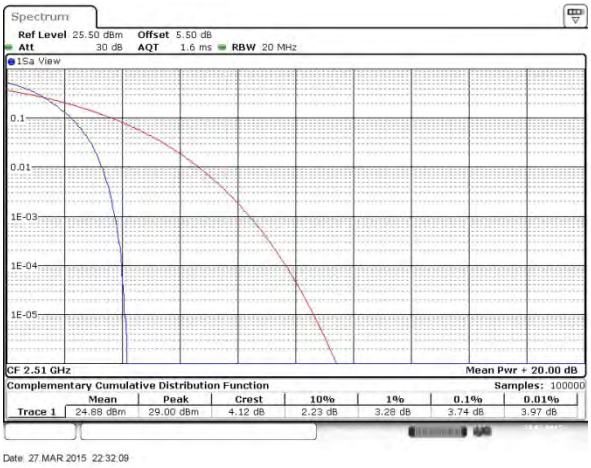
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	RB Size	Result
Lowest CH	3.83	3.74	5.10	4.67	PASS
Middle CH	2.78	4.29	4.06	5.25	
Highest CH	2.41	4.17	3.86	5.42	

LTE Band 7 / 20MHz / QPSK

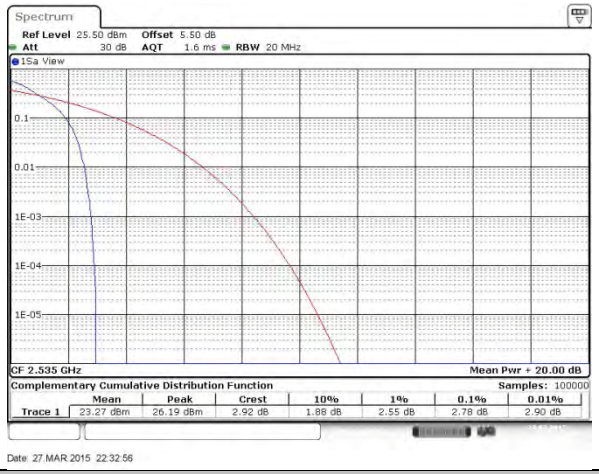
Lowest Channel / 1RB



Lowest Channel / Full RB

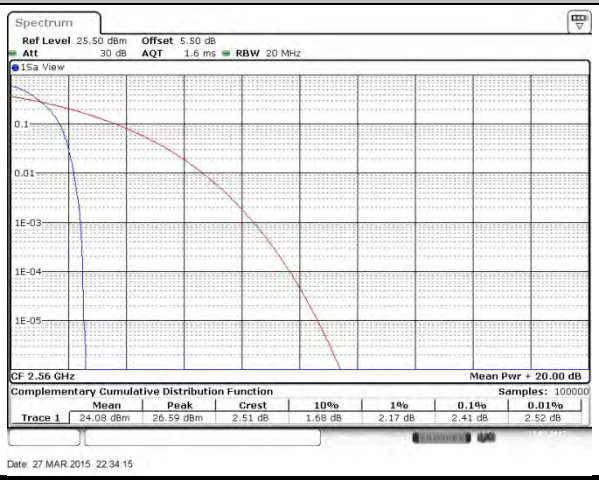


Middle Channel / 1RB



Middle Channel / Full RB

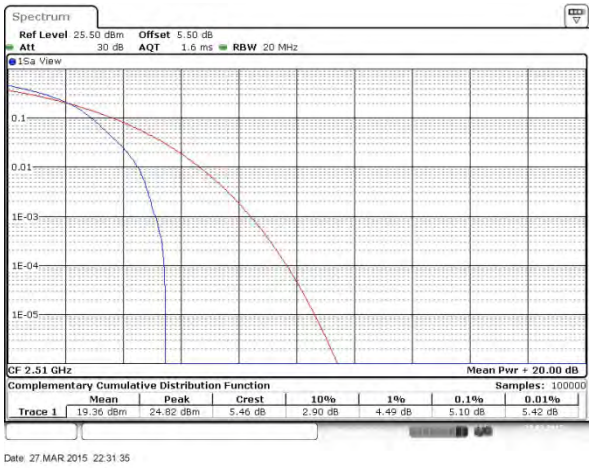
Highest Channel / 1RB



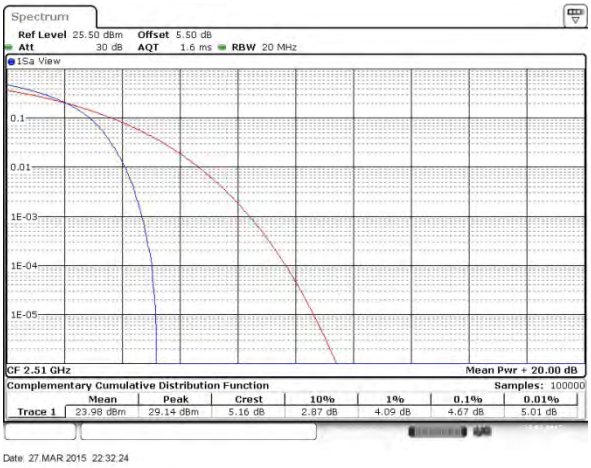
Highest Channel / Full RB

LTE Band 7 / 20MHz / 16QAM

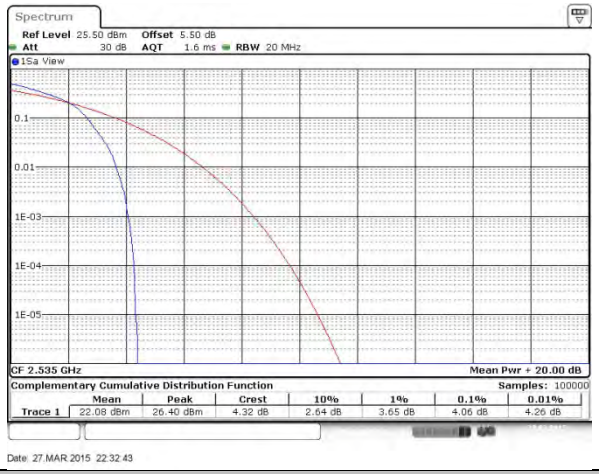
Lowest Channel / 1RB



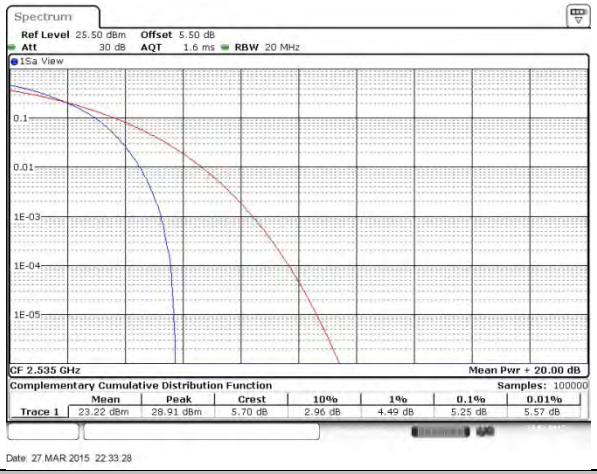
Lowest Channel / Full RB



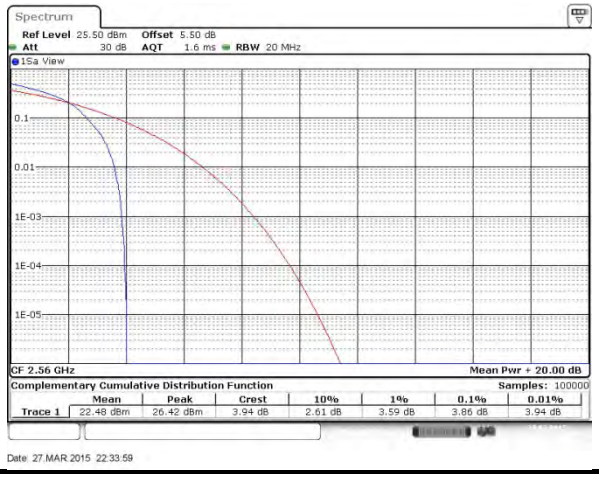
Middle Channel / 1RB



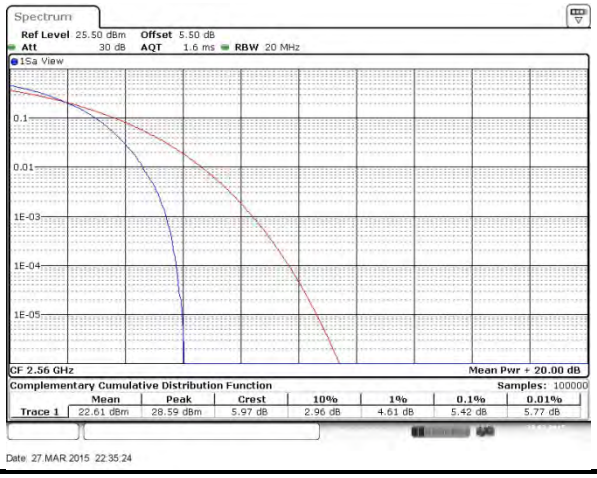
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

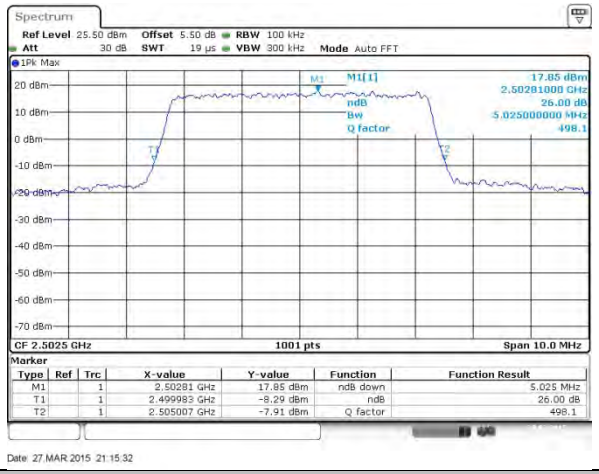


26dB Bandwidth

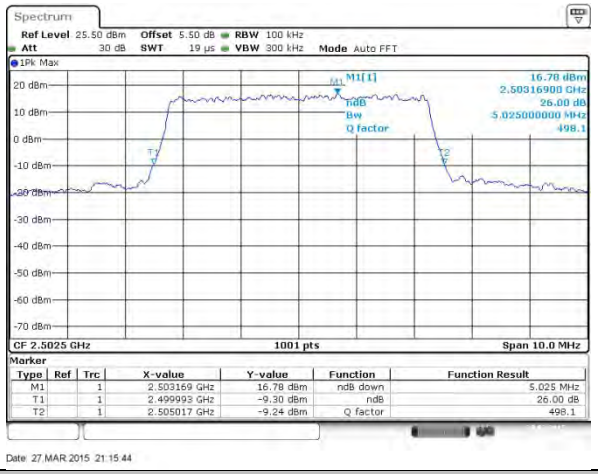
Mode	LTE Band 7 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	-	-	-	-	5.03	5.03	10.05	10.01	14.63	14.72	21.18	20.34
Middle CH	-	-	-	-	5.06	5.05	9.87	9.89	14.66	14.75	20.34	20.26
Highest CH	-	-	-	-	5.30	5.12	10.53	10.45	14.66	14.66	20.18	20.18

LTE Band 7

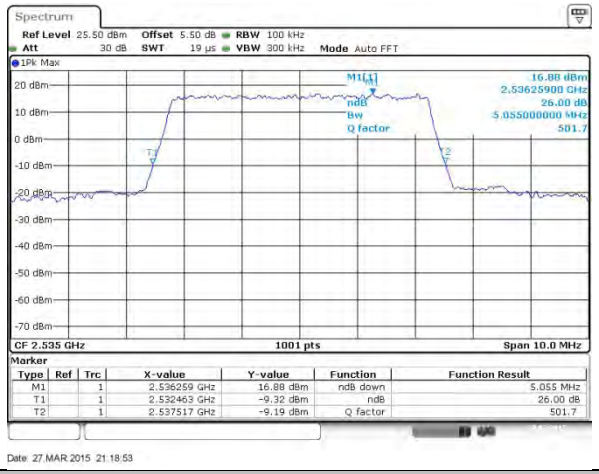
Lowest Channel / 5MHz / QPSK



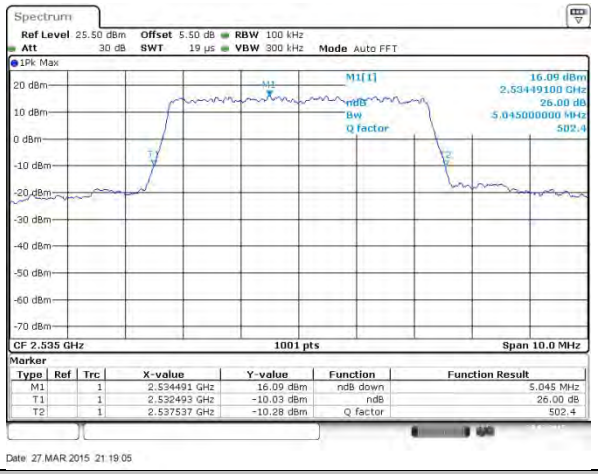
Lowest Channel / 5MHz / 16QAM



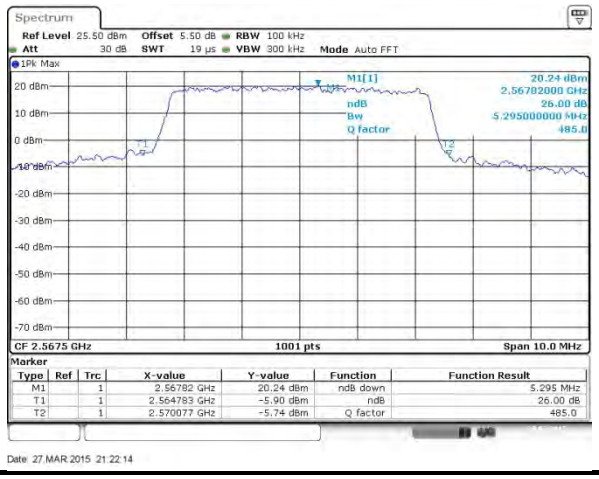
Middle Channel / 5MHz / QPSK



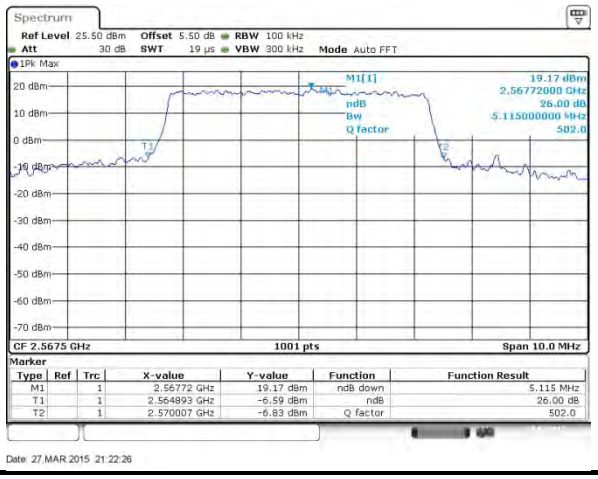
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

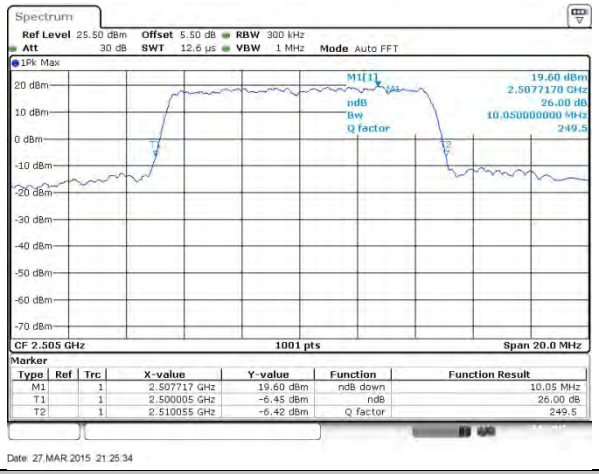


Highest Channel / 5MHz / 16QAM

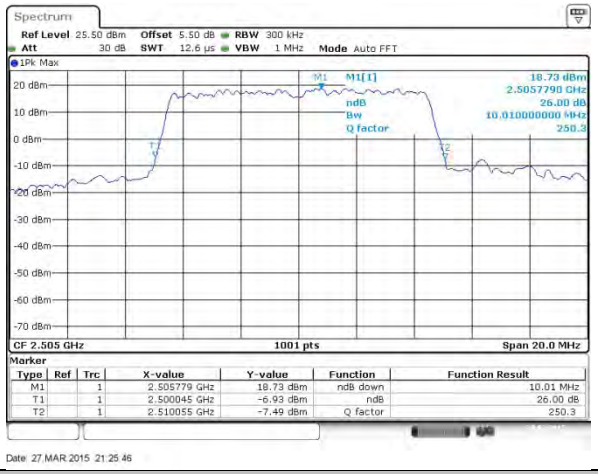


LTE Band 7

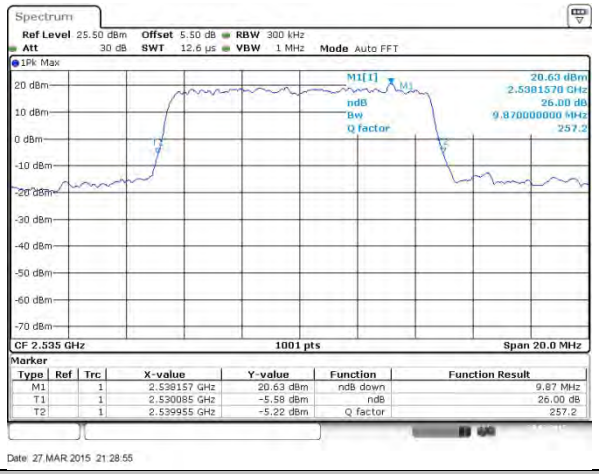
Lowest Channel / 10MHz / QPSK



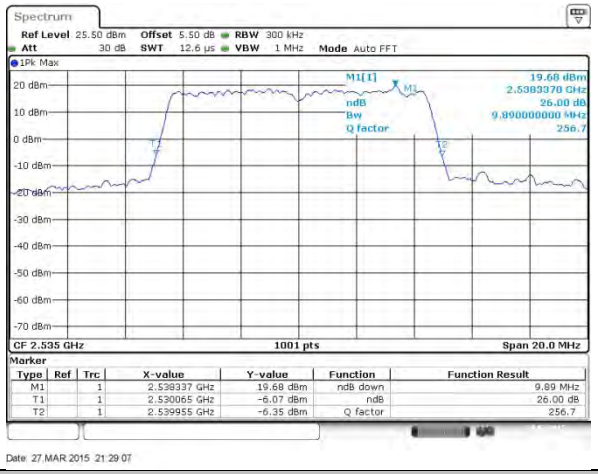
Lowest Channel / 10MHz / 16QAM



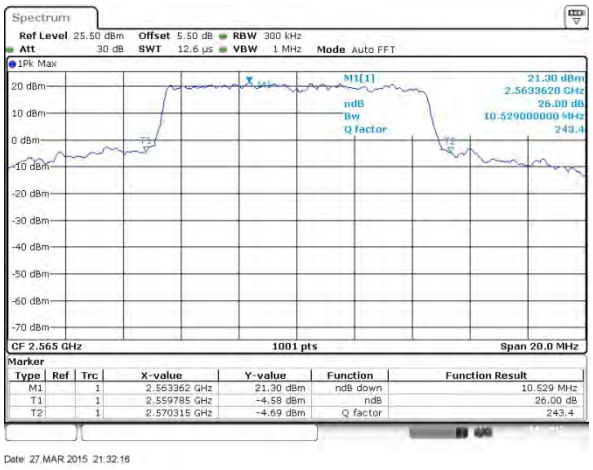
Middle Channel / 10MHz / QPSK



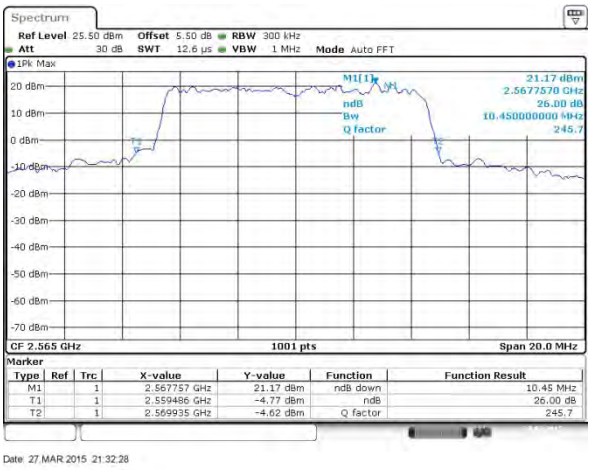
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

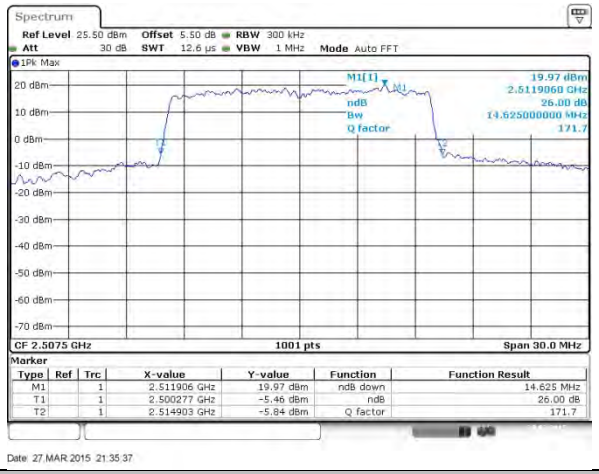


Highest Channel / 10MHz / 16QAM

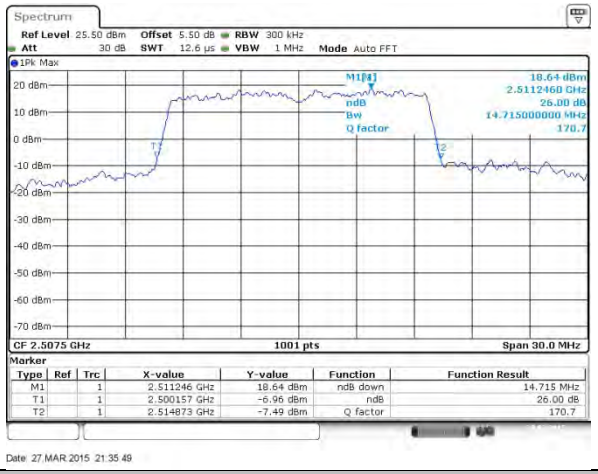


LTE Band 7

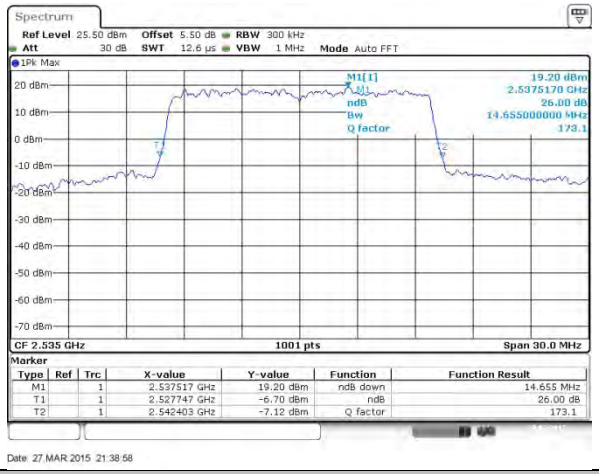
Lowest Channel / 15MHz / QPSK



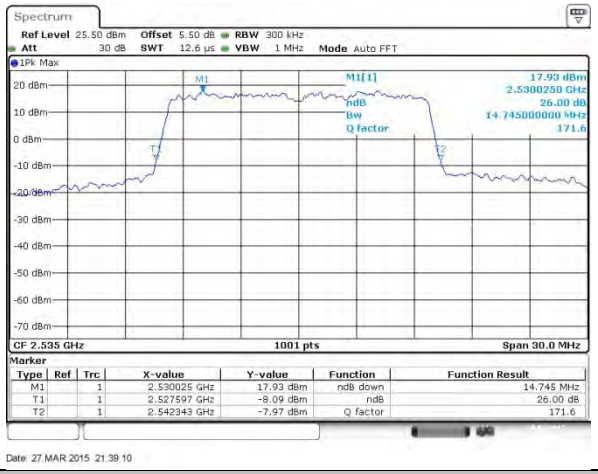
Lowest Channel / 15MHz / 16QAM



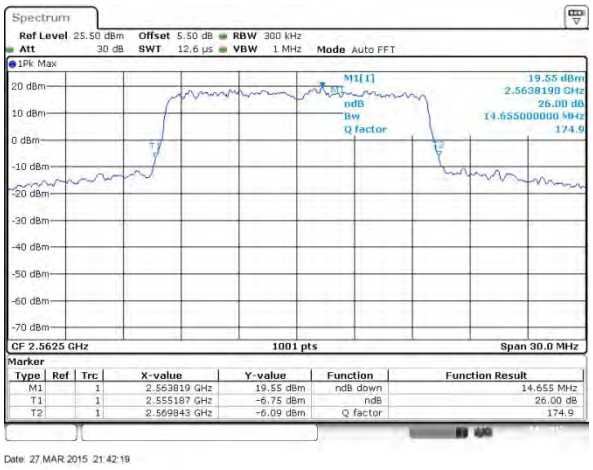
Middle Channel / 15MHz / QPSK



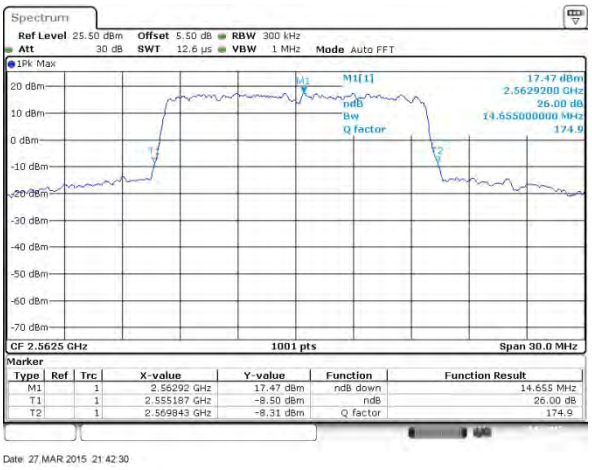
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

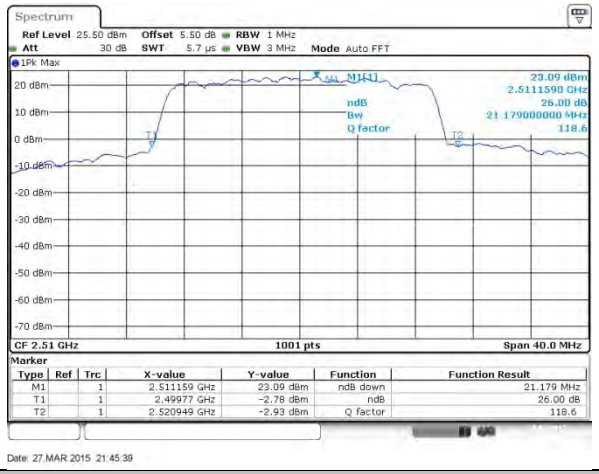


Highest Channel / 15MHz / 16QAM

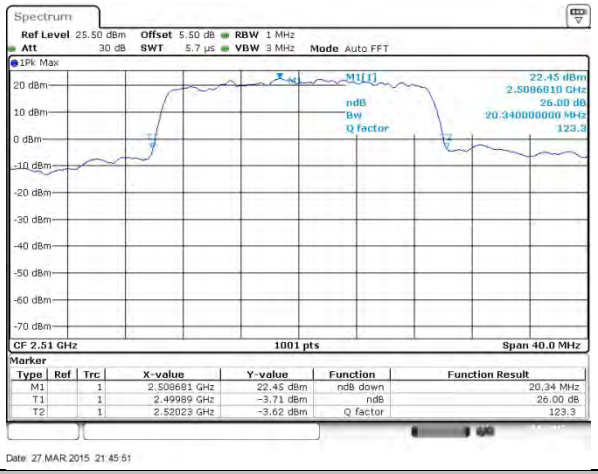


LTE Band 7

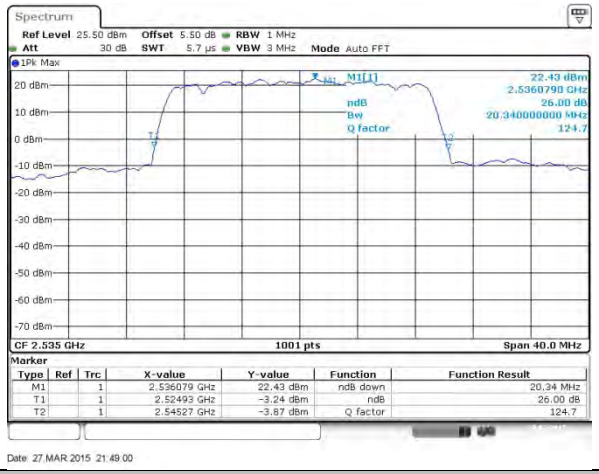
Lowest Channel / 20MHz / QPSK



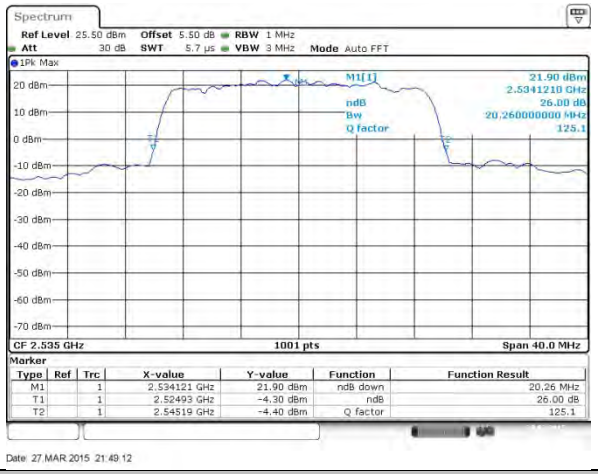
Lowest Channel / 20MHz / 16QAM



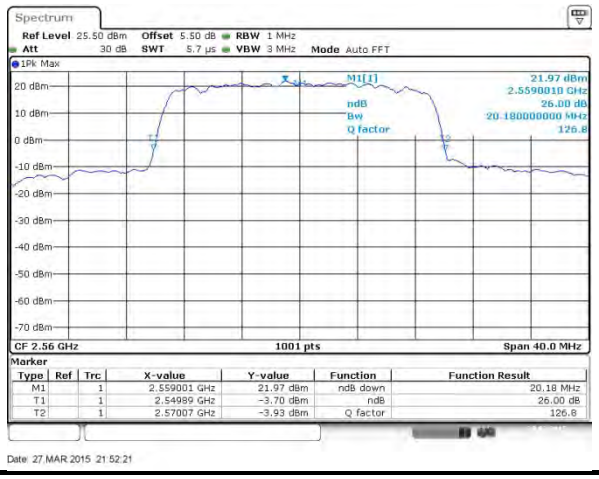
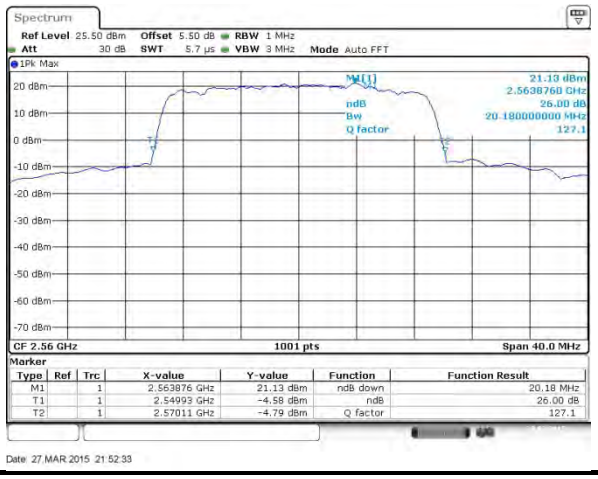
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM