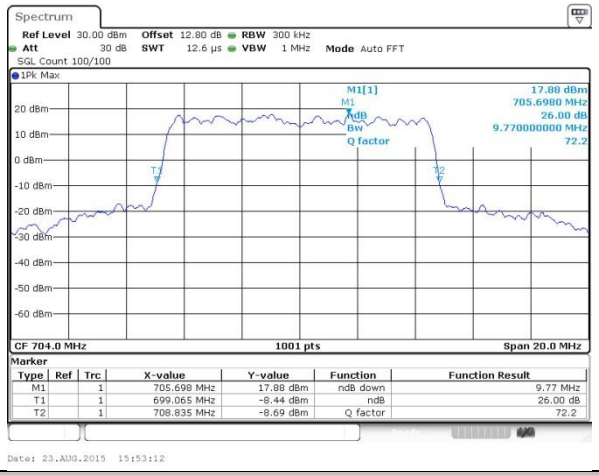
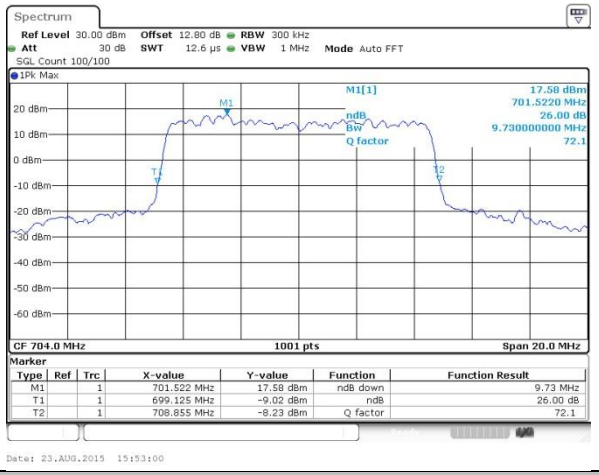
LTE Band 12

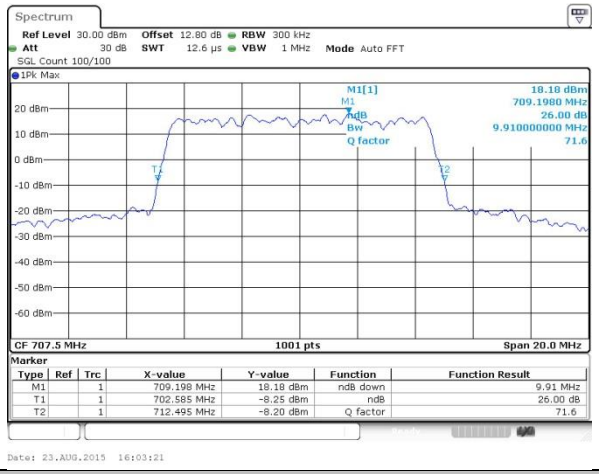
Lowest Channel / 10MHz / QPSK



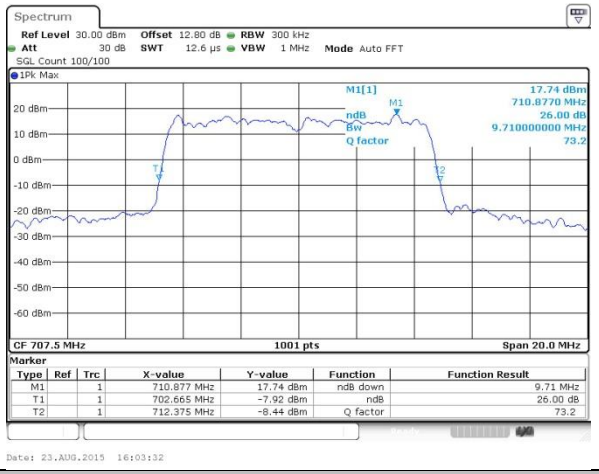
Lowest Channel / 10MHz / 16QAM



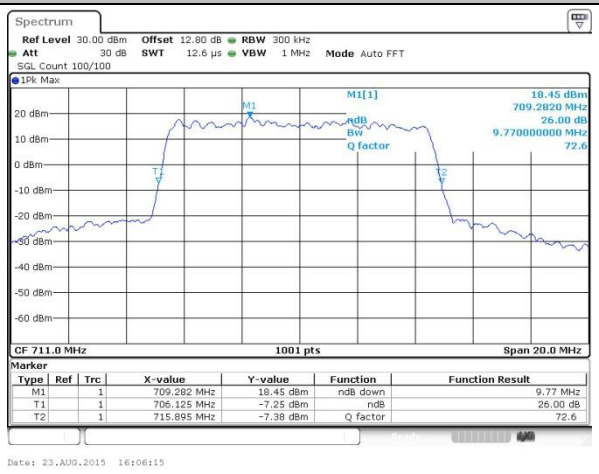
Middle Channel / 10MHz / QPSK



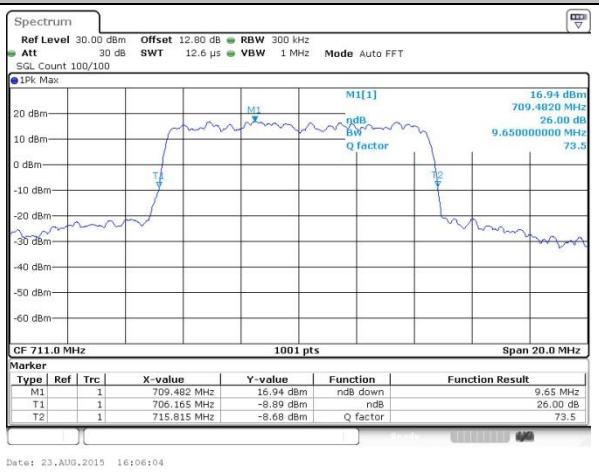
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

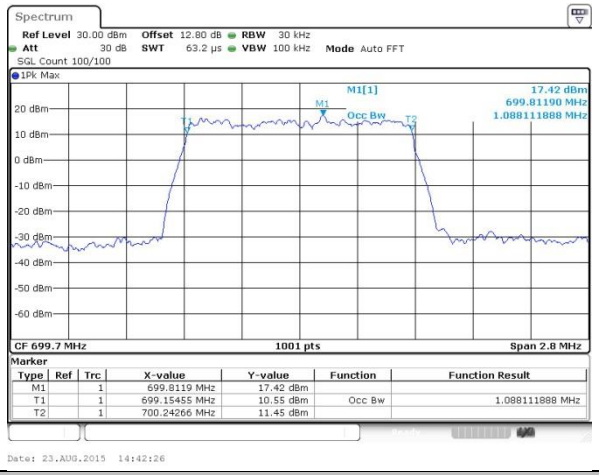


Occupied Bandwidth

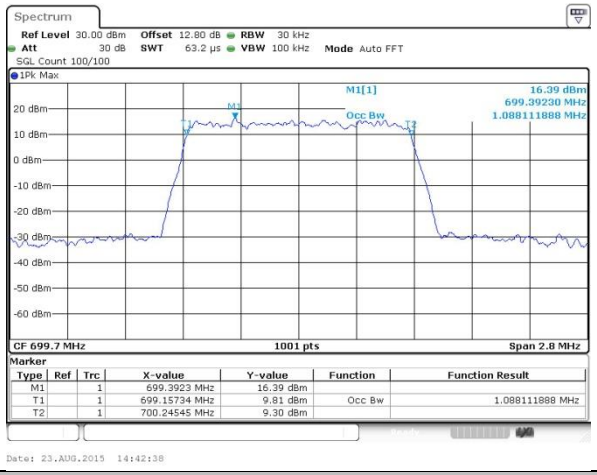
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.72	4.49	4.50	9.13	9.03	-	-	-	-
Middle CH	1.09	1.09	2.70	2.71	4.51	4.48	9.05	8.99	-	-	-	-
Highest CH	1.08	1.09	2.74	2.73	4.49	4.48	8.99	9.01	-	-	-	-

LTE Band 12

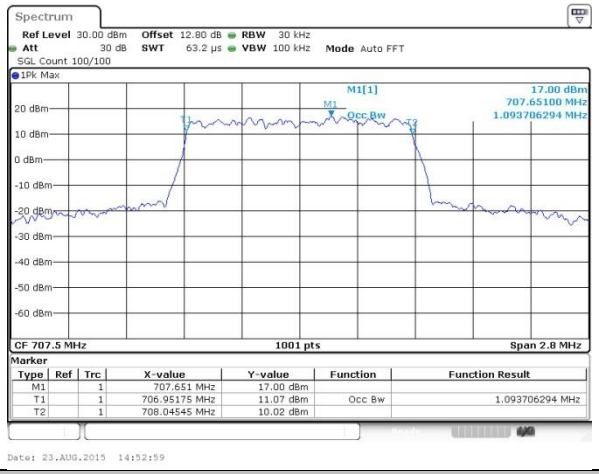
Lowest Channel / 1.4MHz / QPSK



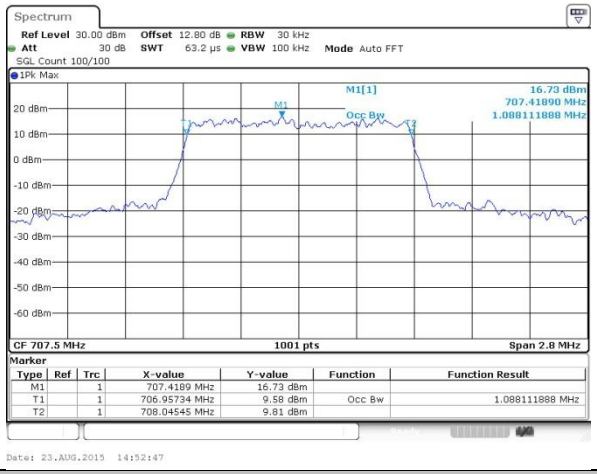
Lowest Channel / 1.4MHz / 16QAM



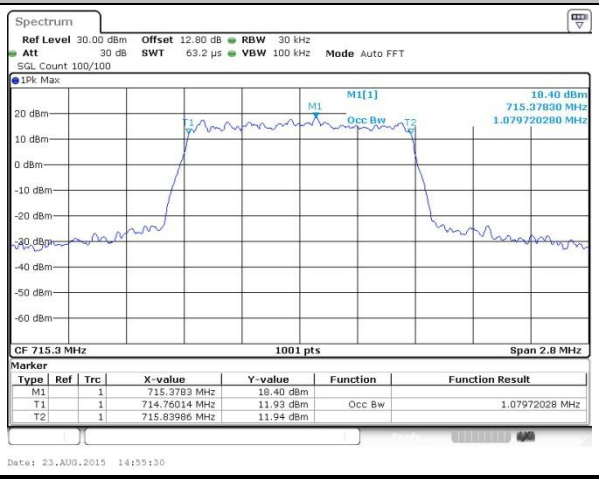
Middle Channel / 1.4MHz / QPSK



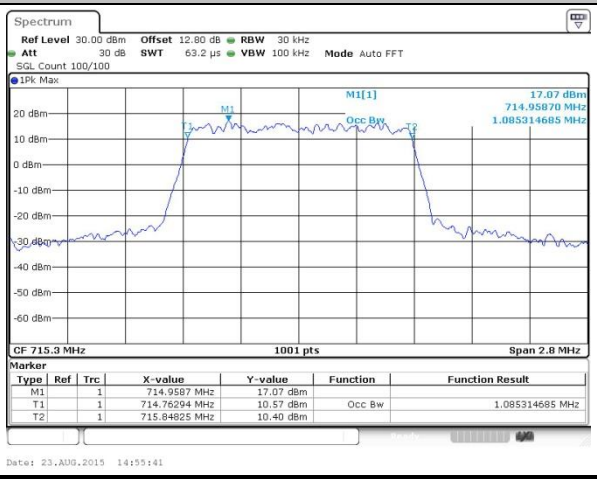
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

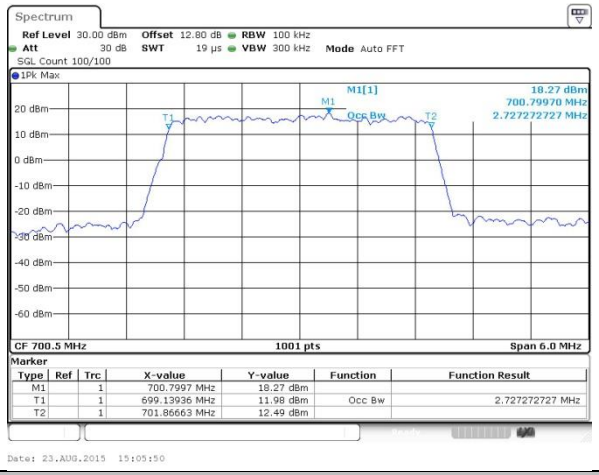


Highest Channel / 1.4MHz / 16QAM

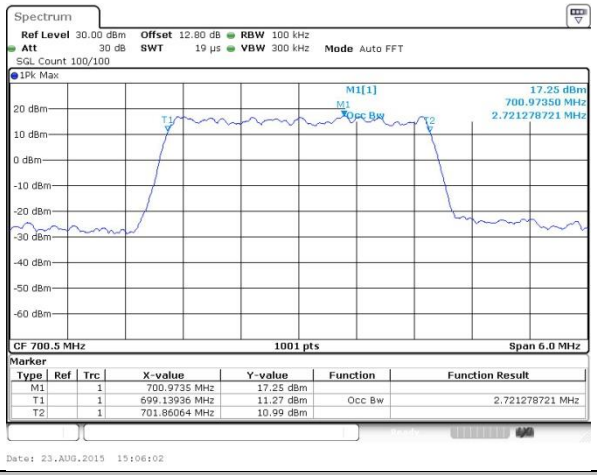


LTE Band 12

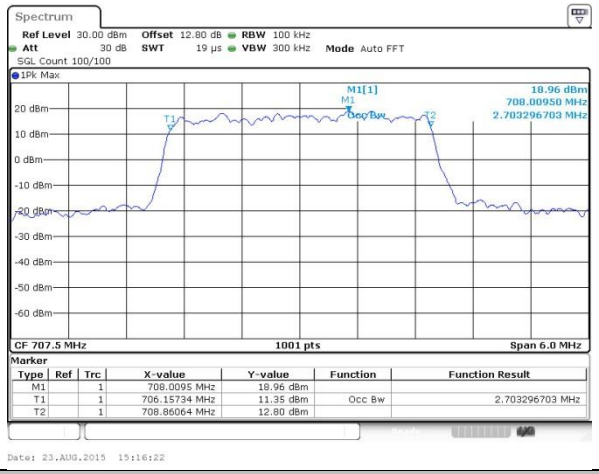
Lowest Channel / 3MHz / QPSK



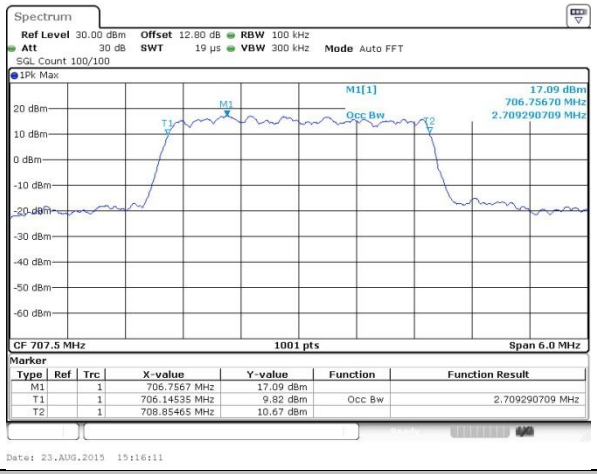
Lowest Channel / 3MHz / 16QAM



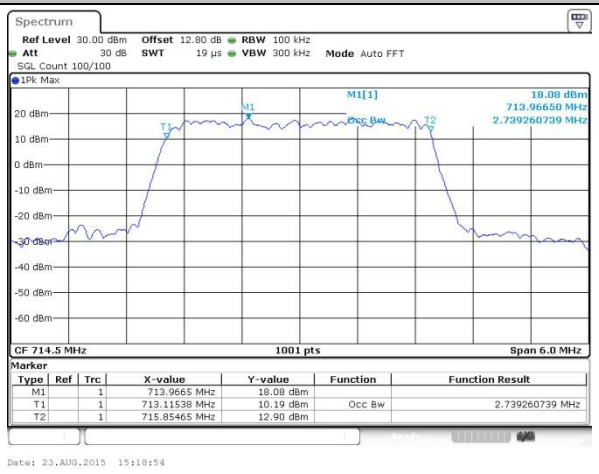
Middle Channel / 3MHz / QPSK



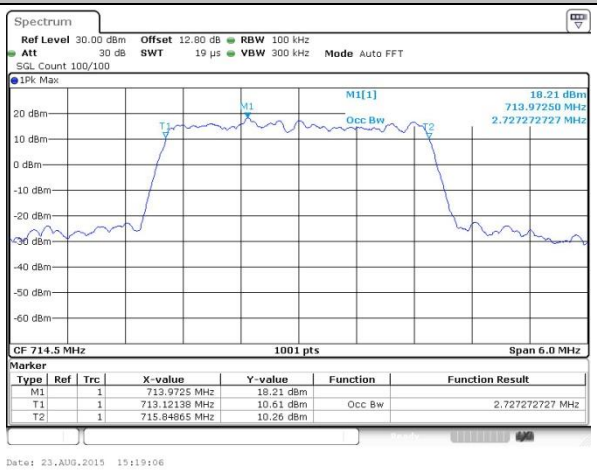
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

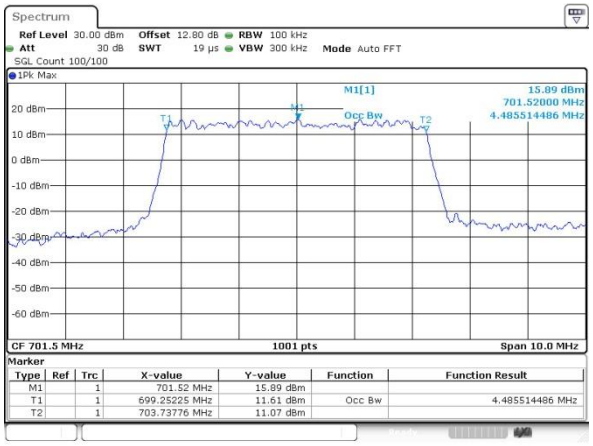


Highest Channel / 3MHz / 16QAM

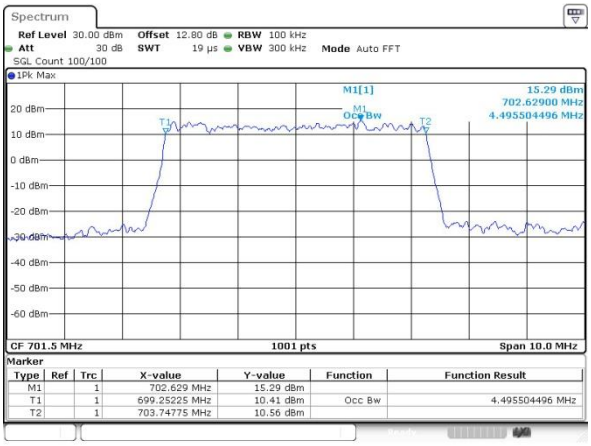


LTE Band 12

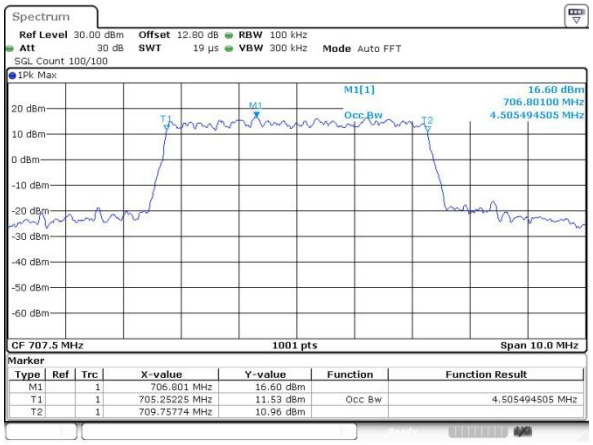
Lowest Channel / 5MHz / QPSK



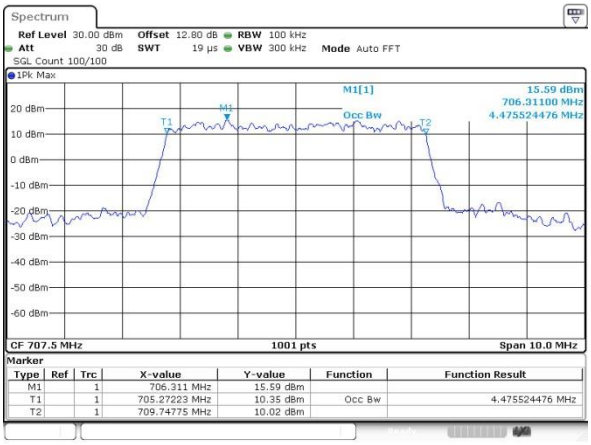
Lowest Channel / 5MHz / 16QAM



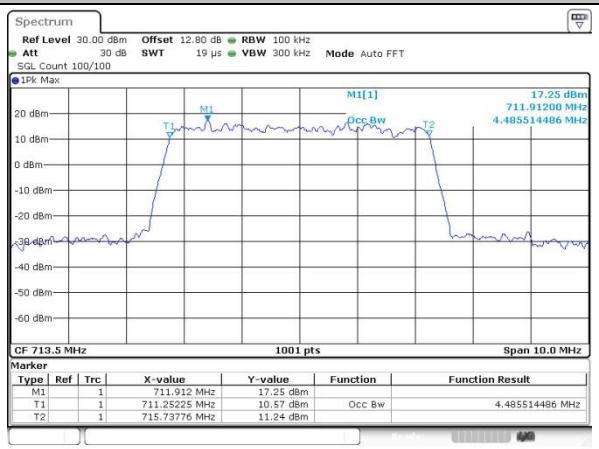
Middle Channel / 5MHz / QPSK



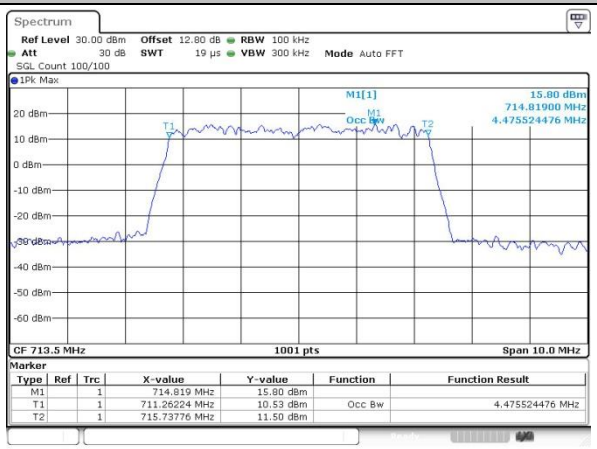
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

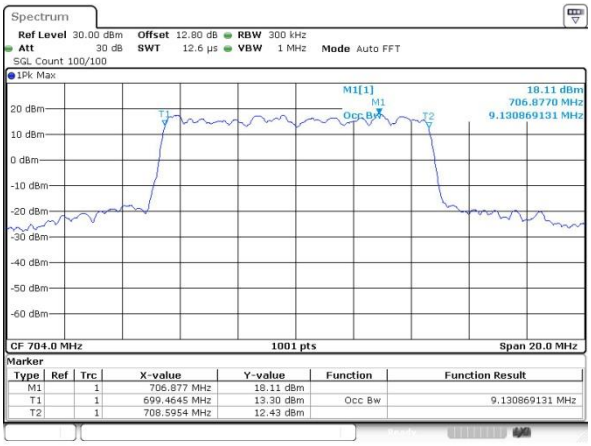


Highest Channel / 5MHz / 16QAM

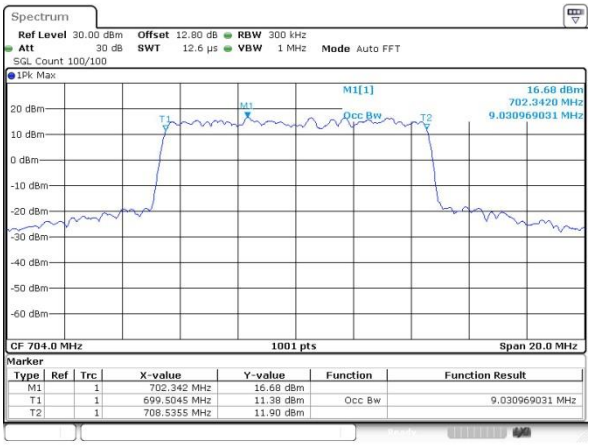


LTE Band 12

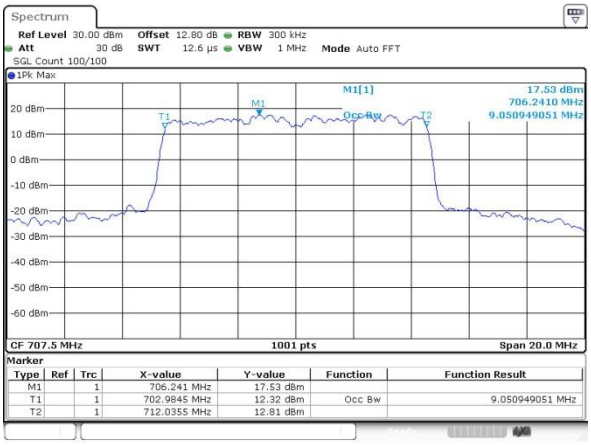
Lowest Channel / 10MHz / QPSK



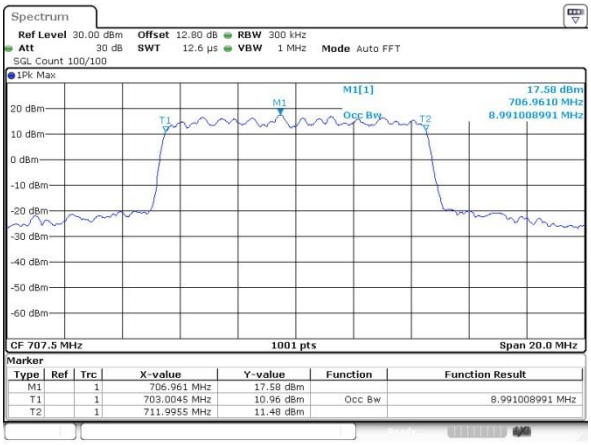
Lowest Channel / 10MHz / 16QAM



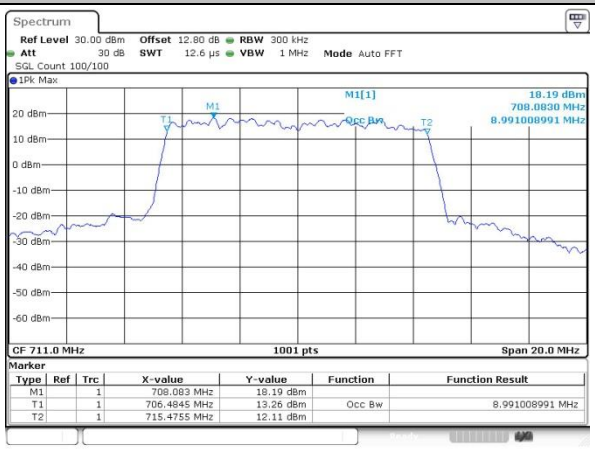
Middle Channel / 10MHz / QPSK



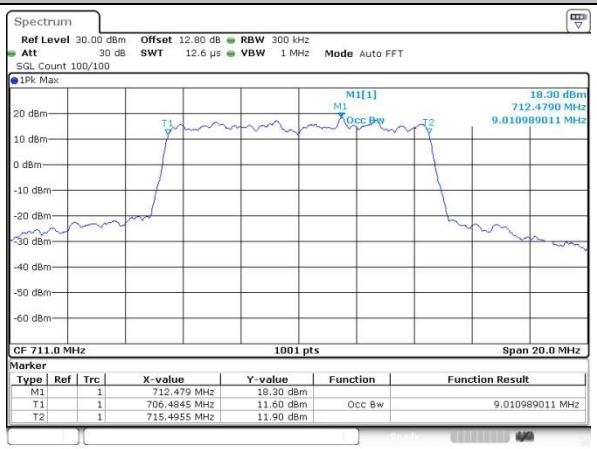
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



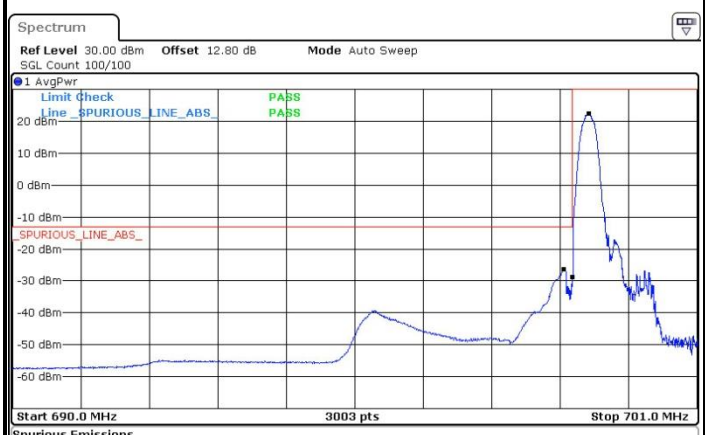
Highest Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB

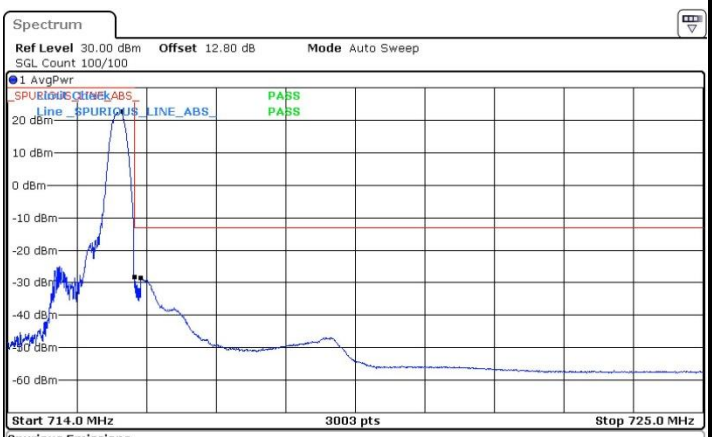


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.85110 MHz	-26.49 dBm	-13.49 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99825 MHz	-28.94 dBm	-15.94 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.26274 MHz	22.29 dBm	-7.71 dB

Date: 23.AUG.2015 14:50:39

Highest Band Edge / 1RB

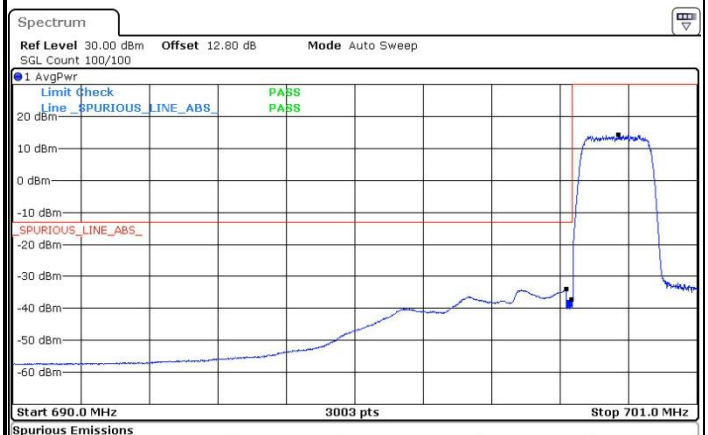


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.79720 MHz	22.72 dBm	-7.28 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00055 MHz	-28.39 dBm	-15.39 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.48 dBm	-15.48 dB

Date: 23.AUG.2015 15:03:42

Lowest Band Edge / Full RB

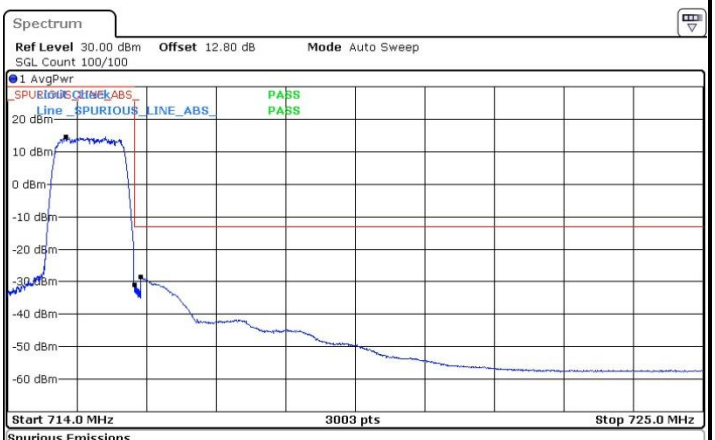


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.00 dBm	-21.00 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98227 MHz	-37.32 dBm	-24.32 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.73626 MHz	14.28 dBm	-15.72 dB

Date: 23.AUG.2015 14:44:56

Highest Band Edge / Full RB



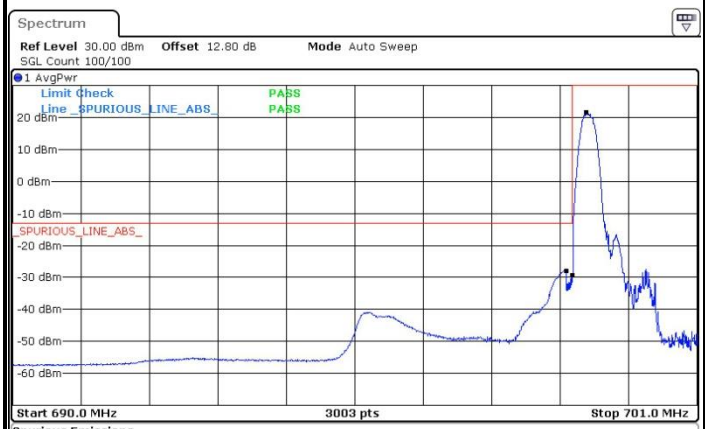
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	714.92008 MHz	14.58 dBm	-15.42 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00195 MHz	-31.02 dBm	-18.02 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.47 dBm	-15.47 dB

Date: 23.AUG.2015 14:57:59

LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

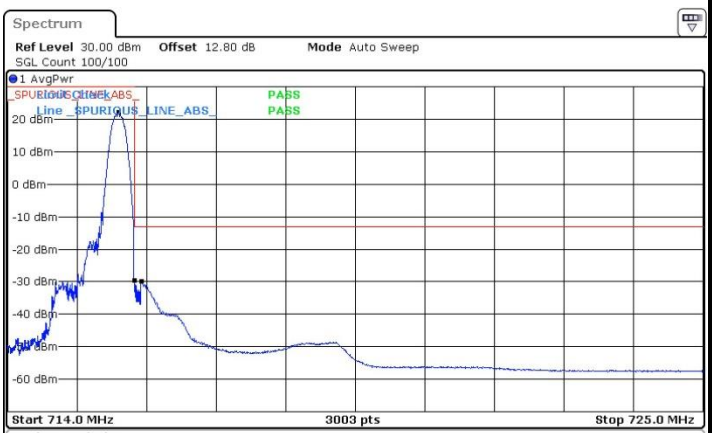


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-27.95 dBm	-14.95 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99356 MHz	-29.43 dBm	-16.43 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.22278 MHz	21.49 dBm	-8.51 dB

Date: 23.AUG.2015 14:48:44

Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.75524 MHz	22.25 dBm	-7.75 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00315 MHz	-29.75 dBm	-16.75 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-29.86 dBm	-16.86 dB

Date: 23.AUG.2015 15:01:48

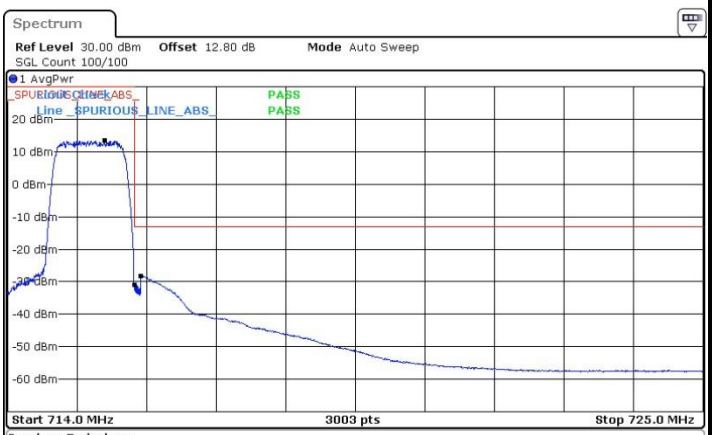
Lowest Band Edge / Full RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-32.39 dBm	-19.39 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99545 MHz	-36.15 dBm	-23.15 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.60839 MHz	13.37 dBm	-16.63 dB

Date: 23.AUG.2015 14:46:50

Highest Band Edge / Full RB



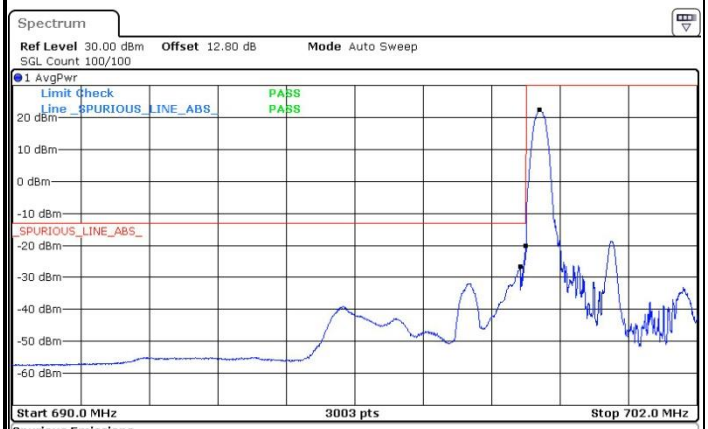
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.52747 MHz	13.46 dBm	-16.54 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00994 MHz	-30.99 dBm	-17.99 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.13 dBm	-15.13 dB

Date: 23.AUG.2015 14:59:53

LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

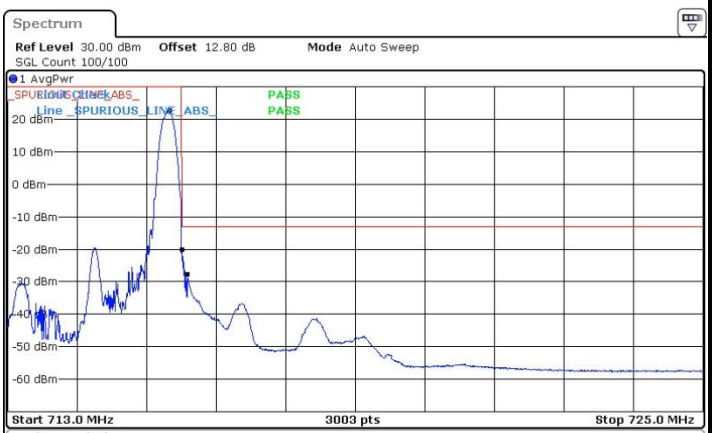


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.76 dBm	-13.76 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99605 MHz	-20.24 dBm	-7.24 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23227 MHz	22.41 dBm	-7.59 dB

Date: 23.AUG.2015 15:14:03

Highest Band Edge / 1 RB

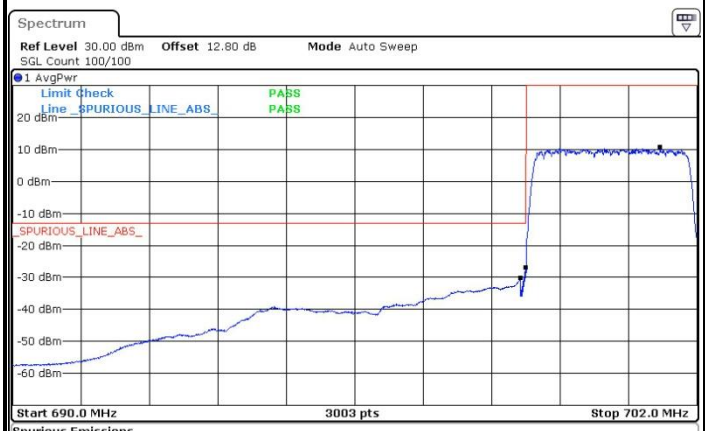


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.78871 MHz	22.62 dBm	-7.38 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00145 MHz	-20.09 dBm	-7.09 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-27.71 dBm	-14.71 dB

Date: 23.AUG.2015 15:27:06

Lowest Band Edge / Full RB

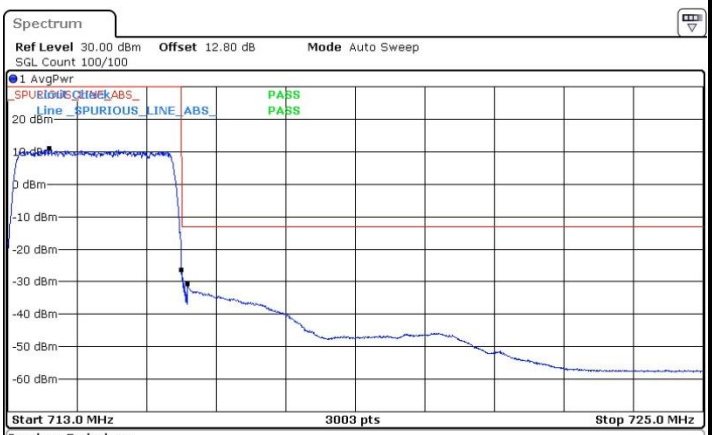


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.17 dBm	-17.17 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99885 MHz	-26.86 dBm	-13.86 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.34815 MHz	10.67 dBm	-19.33 dB

Date: 23.AUG.2015 15:08:19

Highest Band Edge / Full RB



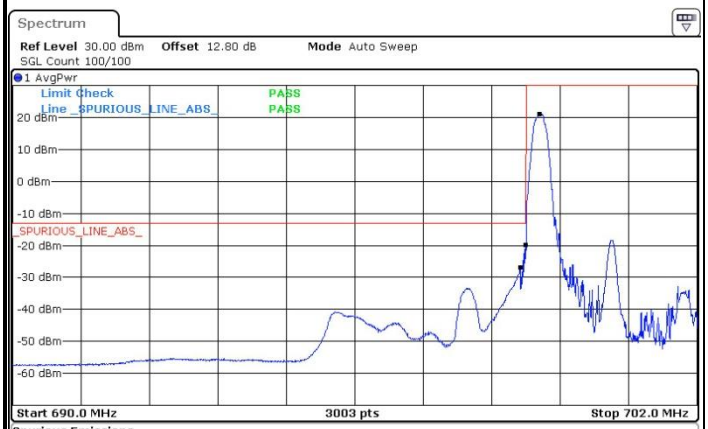
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.70879 MHz	10.90 dBm	-19.10 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00065 MHz	-26.27 dBm	-13.27 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.79 dBm	-17.79 dB

Date: 23.AUG.2015 15:21:23

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

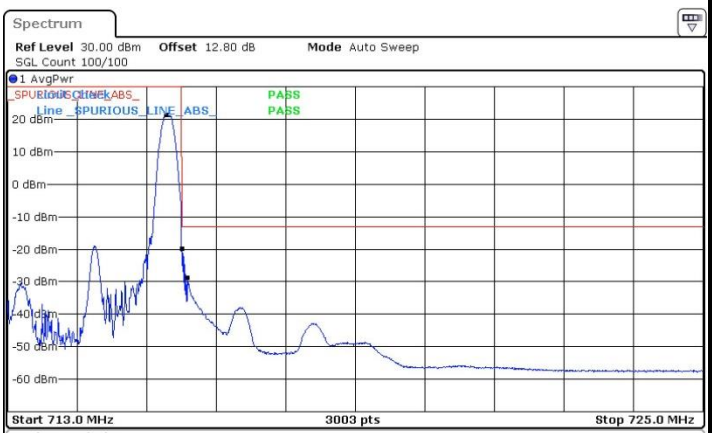


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.93 dBm	-13.93 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99755 MHz	-19.80 dBm	-6.80 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23227 MHz	21.14 dBm	-8.86 dB

Date: 23.AUG.2015 15:12:08

Highest Band Edge / 1 RB

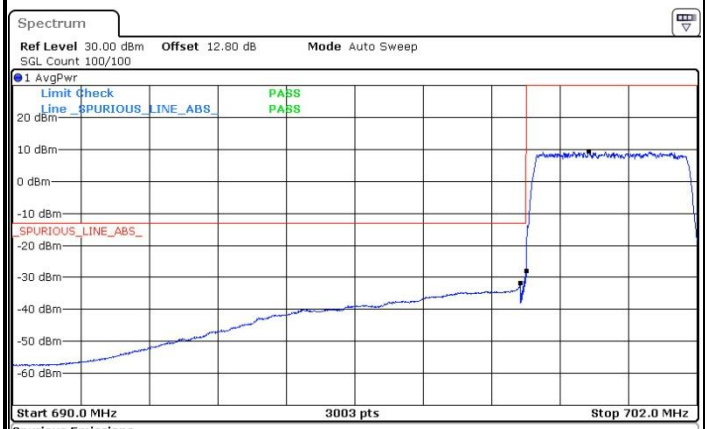


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.73776 MHz	21.33 dBm	-8.67 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00225 MHz	-19.91 dBm	-6.91 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.76 dBm	-15.76 dB

Date: 23.AUG.2015 15:25:12

Lowest Band Edge / Full RB

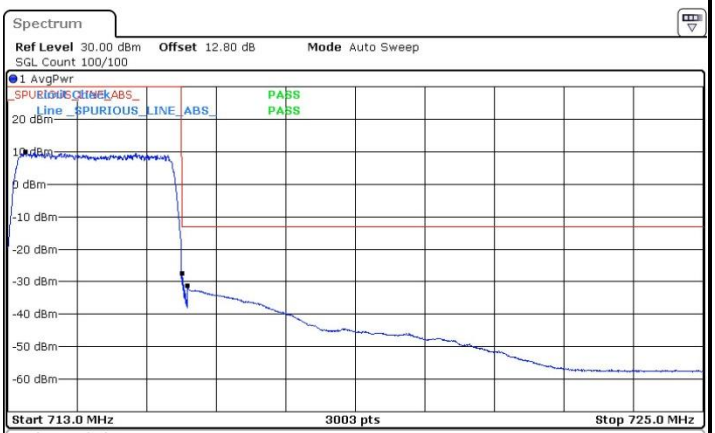


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.85 dBm	-18.85 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99945 MHz	-28.12 dBm	-15.12 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.10140 MHz	9.45 dBm	-20.55 dB

Date: 23.AUG.2015 15:10:14

Highest Band Edge / Full RB



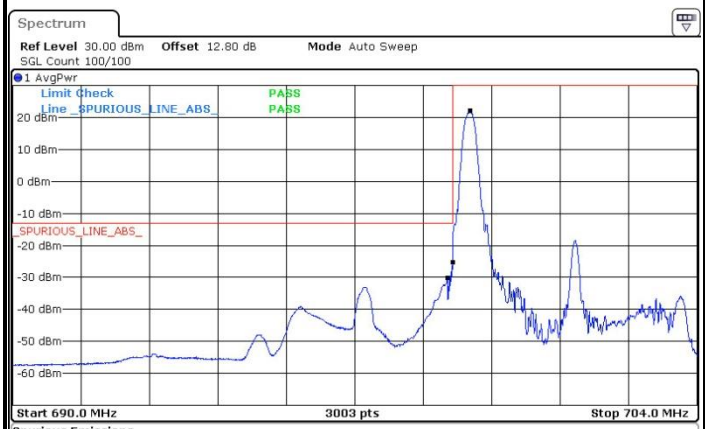
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.30420 MHz	9.94 dBm	-20.06 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-27.35 dBm	-14.35 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.37 dBm	-18.37 dB

Date: 23.AUG.2015 15:23:18

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

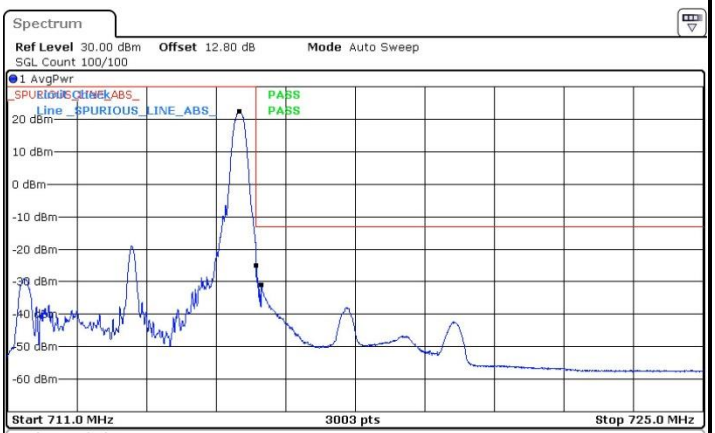


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.06 dBm	-17.06 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99805 MHz	-25.19 dBm	-12.19 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.35714 MHz	22.14 dBm	-7.86 dB

Date: 23.AUG.2015 15:37:26

Highest Band Edge / 1 RB

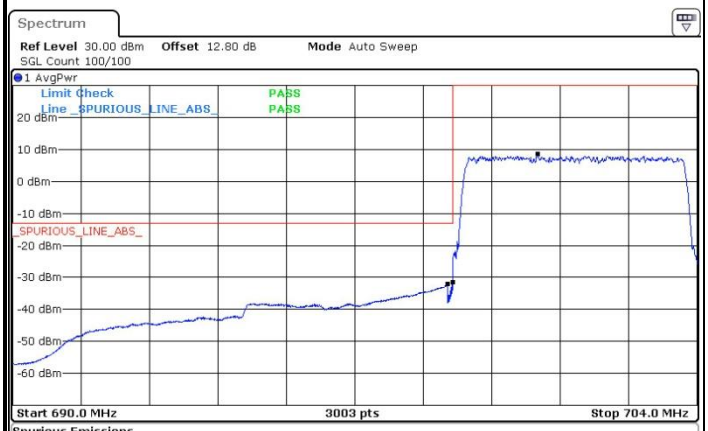


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.65285 MHz	22.49 dBm	-7.51 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00225 MHz	-24.91 dBm	-11.91 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.07 dBm	-18.07 dB

Date: 23.AUG.2015 15:48:35

Lowest Band Edge / Full RB

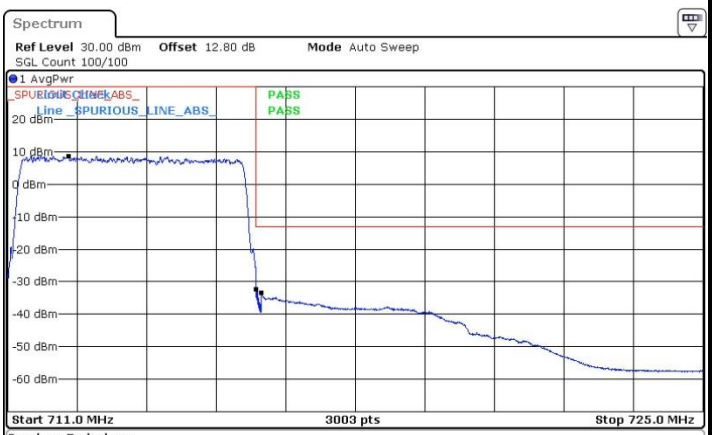


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.94 dBm	-18.94 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99975 MHz	-31.46 dBm	-18.46 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.74076 MHz	8.46 dBm	-21.54 dB

Date: 23.AUG.2015 15:31:43

Highest Band Edge / Full RB



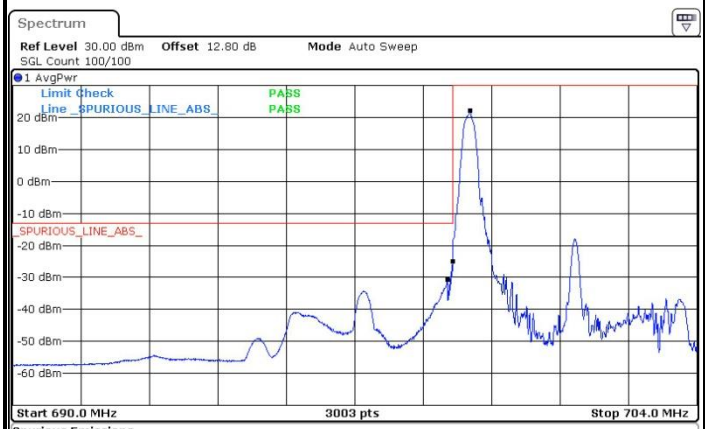
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.21628 MHz	8.70 dBm	-21.30 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00165 MHz	-32.23 dBm	-19.23 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-33.53 dBm	-20.53 dB

Date: 23.AUG.2015 15:44:46

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

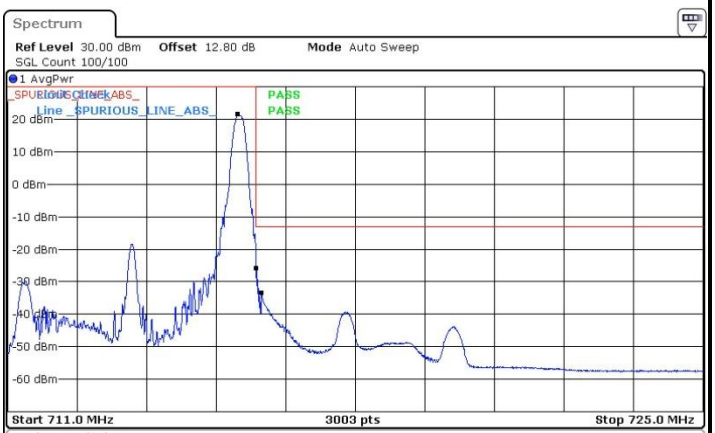


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.77 dBm	-17.77 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99985 MHz	-25.09 dBm	-12.09 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.35215 MHz	22.11 dBm	-7.89 dB

Date: 23.AUG.2015 15:35:32

Highest Band Edge / 1 RB

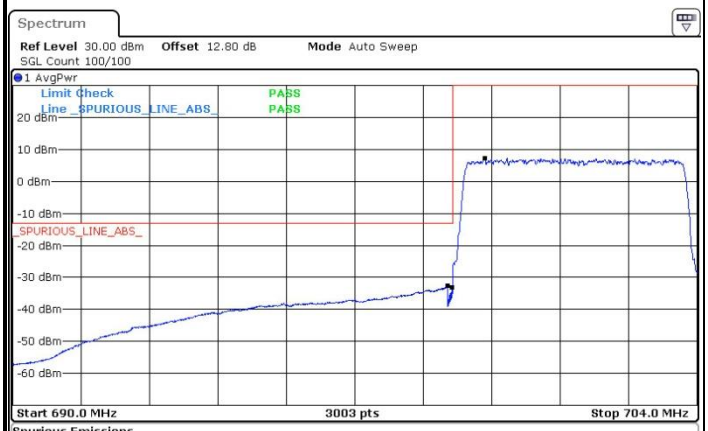


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.63287 MHz	21.68 dBm	-8.32 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00035 MHz	-25.79 dBm	-12.79 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-33.39 dBm	-20.39 dB

Date: 23.AUG.2015 15:50:29

Lowest Band Edge / Full RB

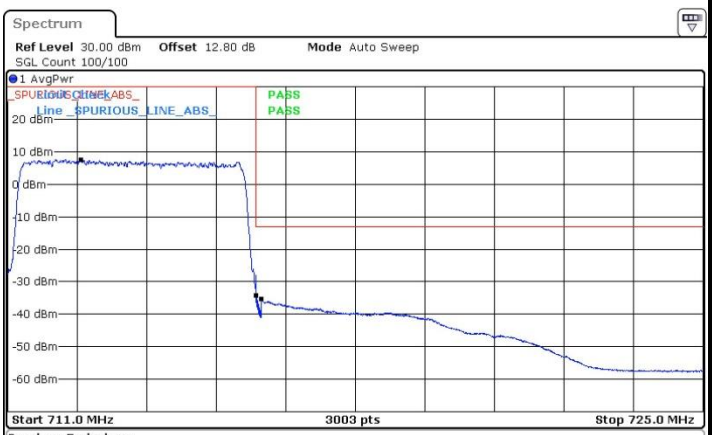


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-32.50 dBm	-19.50 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99096 MHz	-33.24 dBm	-20.24 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.65684 MHz	7.18 dBm	-22.82 dB

Date: 23.AUG.2015 15:33:37

Highest Band Edge / Full RB



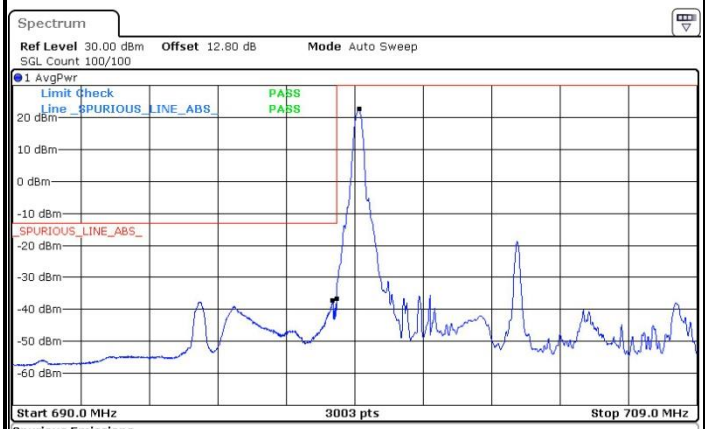
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.46603 MHz	7.54 dBm	-22.46 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00385 MHz	-34.13 dBm	-21.13 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.23 dBm	-22.23 dB

Date: 23.AUG.2015 15:46:40

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

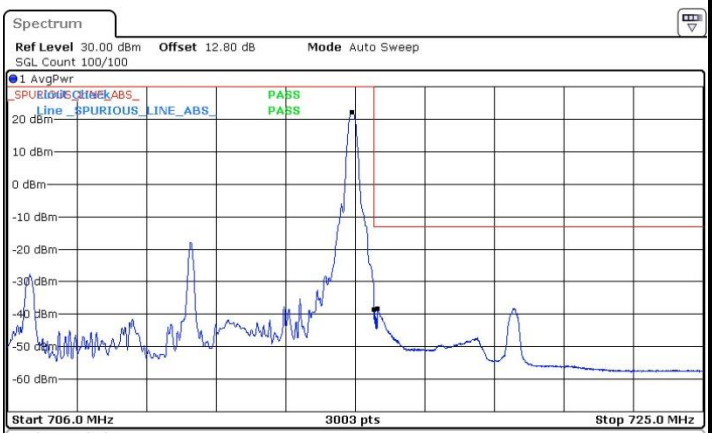


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-37.29 dBm	-24.29 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99356 MHz	-36.78 dBm	-23.78 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.61439 MHz	22.63 dBm	-7.37 dB

Date: 23.AUG.2015 16:00:49

Highest Band Edge / 1 RB

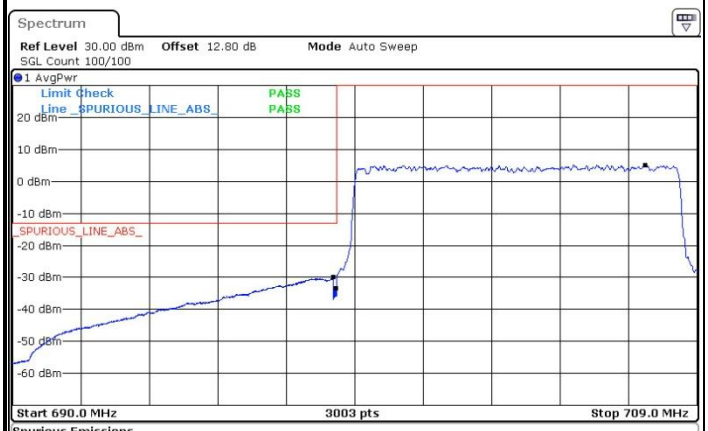


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.40559 MHz	22.25 dBm	-7.75 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-38.53 dBm	-25.53 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-38.18 dBm	-25.18 dB

Date: 23.AUG.2015 16:13:53

Lowest Band Edge / Full RB

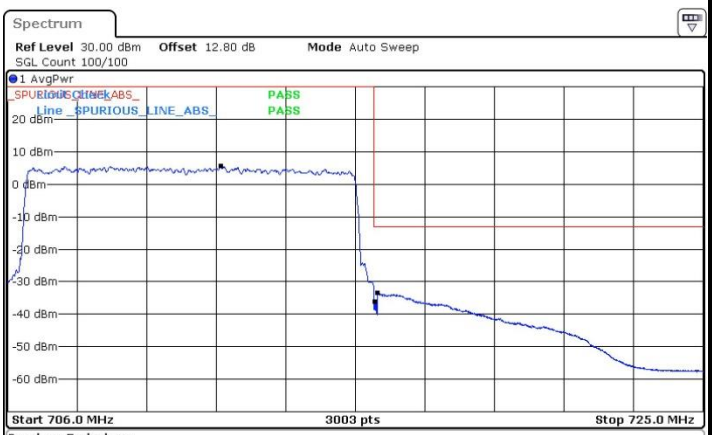


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.00 dBm	-17.00 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.96229 MHz	-33.30 dBm	-20.30 dB
699.000 MHz	709.000 MHz	100.000 kHz	707.55644 MHz	5.16 dBm	-24.84 dB

Date: 23.AUG.2015 15:55:06

Highest Band Edge / Full RB



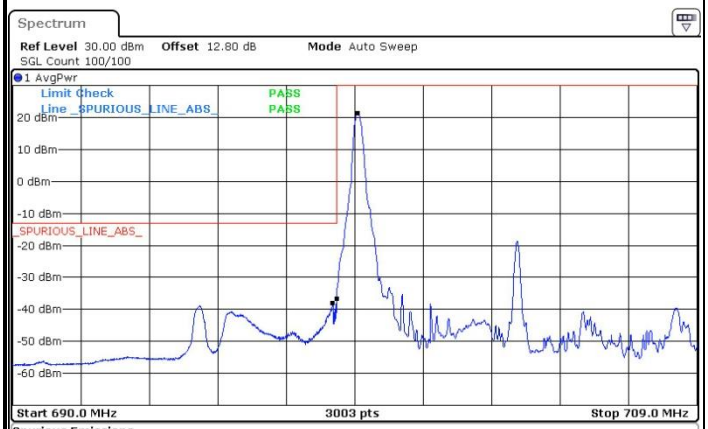
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	711.81918 MHz	5.57 dBm	-24.43 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.03002 MHz	-36.23 dBm	-23.23 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-33.30 dBm	-20.30 dB

Date: 23.AUG.2015 16:08:10

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

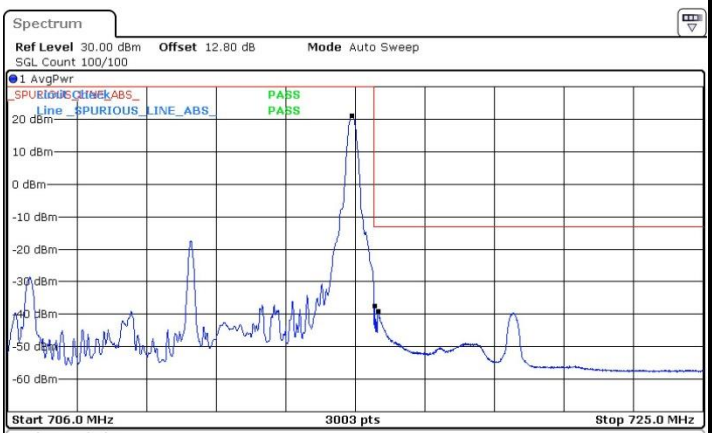


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-38.11 dBm	-25.11 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99965 MHz	-36.79 dBm	-23.79 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.57443 MHz	21.38 dBm	-8.62 dB

Date: 23.AUG.2015 15:58:55

Highest Band Edge / 1 RB

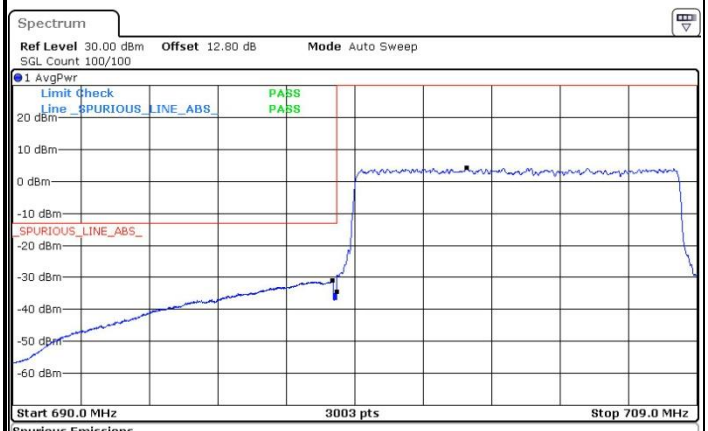


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.40559 MHz	21.18 dBm	-8.82 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01723 MHz	-37.35 dBm	-24.35 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-38.97 dBm	-25.97 dB

Date: 23.AUG.2015 16:11:58

Lowest Band Edge / Full RB

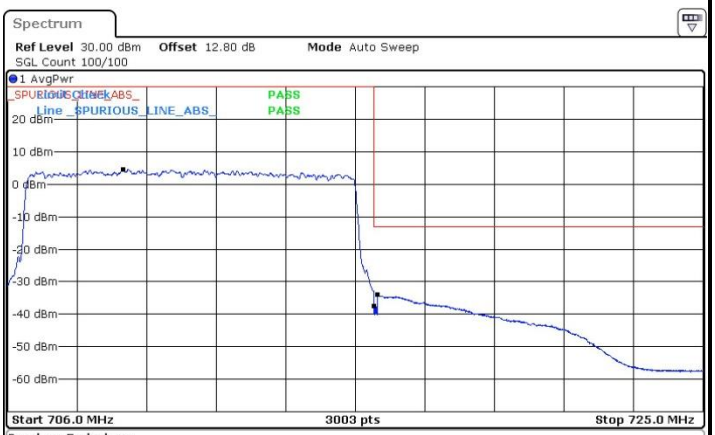


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-30.97 dBm	-17.97 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98996 MHz	-34.61 dBm	-21.61 dB
699.000 MHz	709.000 MHz	100.000 kHz	702.60140 MHz	4.36 dBm	-25.64 dB

Date: 23.AUG.2015 15:57:01

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.14186 MHz	4.59 dBm	-25.41 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00205 MHz	-37.42 dBm	-24.42 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-33.92 dBm	-20.92 dB

Date: 23.AUG.2015 16:10:04