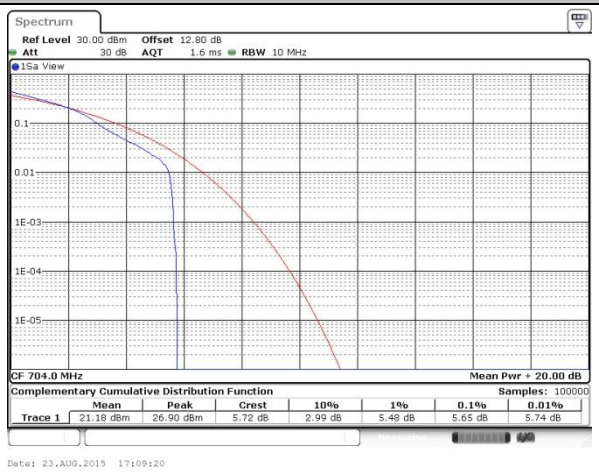
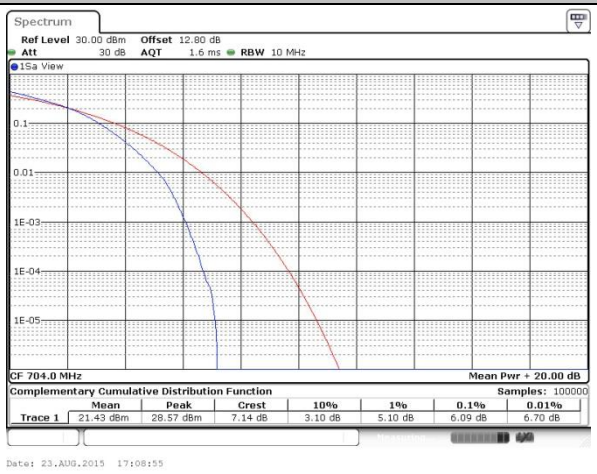
LTE Band 12 / 10MHz / 16QAM

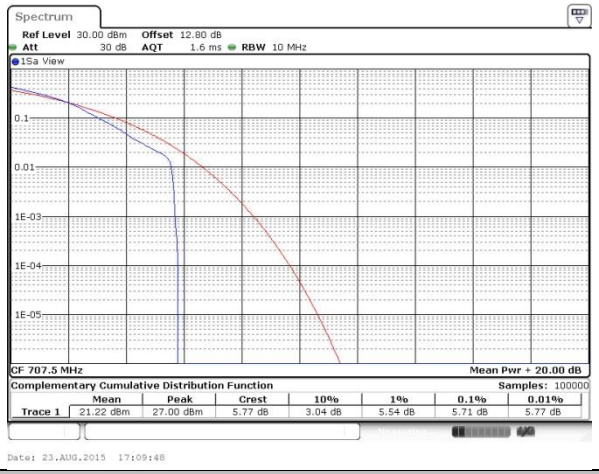
Lowest Channel / 1RB



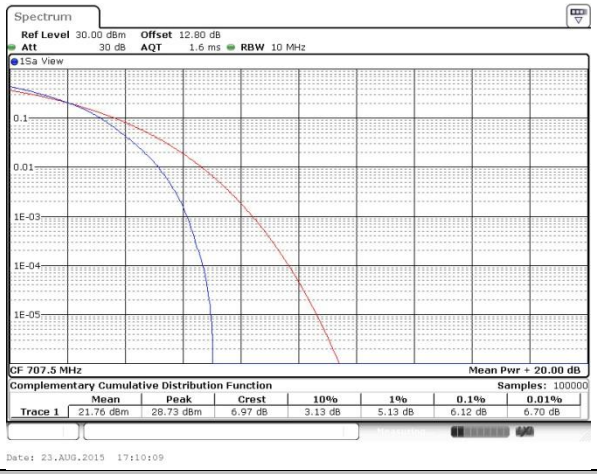
Lowest Channel / Full RB



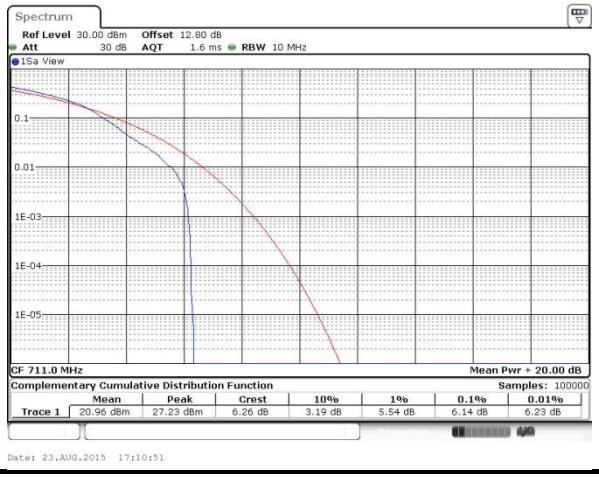
Middle Channel / 1RB



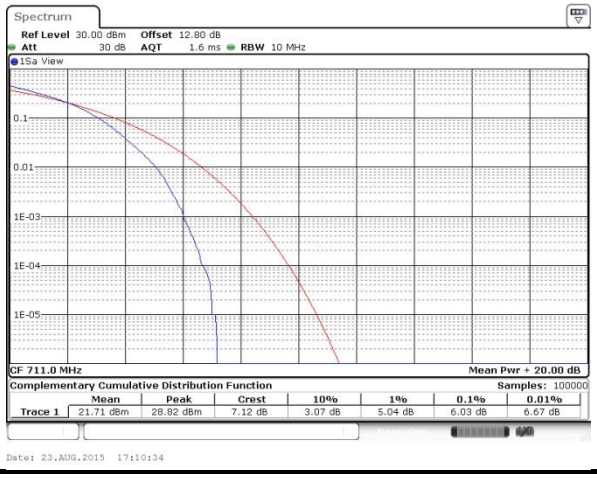
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

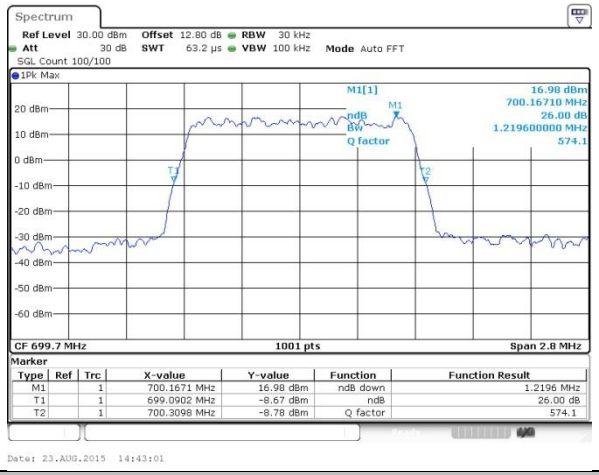


26dB Bandwidth

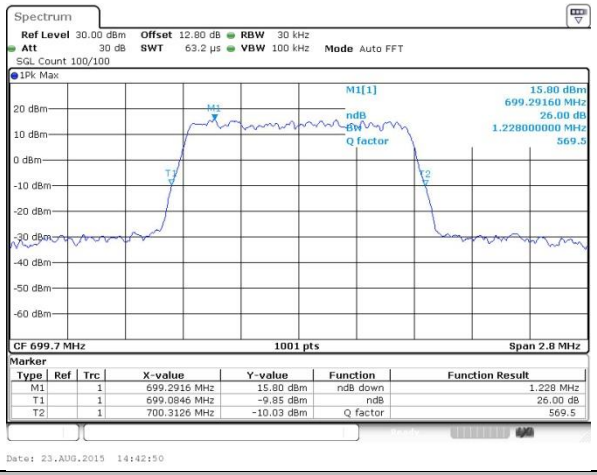
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.22	1.23	3.06	3.07	4.78	4.82	9.77	9.73	-	-	-	-
Middle CH	1.24	1.22	3.00	3.06	4.92	4.91	9.91	9.71	-	-	-	-
Highest CH	1.22	1.23	3.00	2.97	4.86	4.99	9.77	9.65	-	-	-	-

LTE Band 12

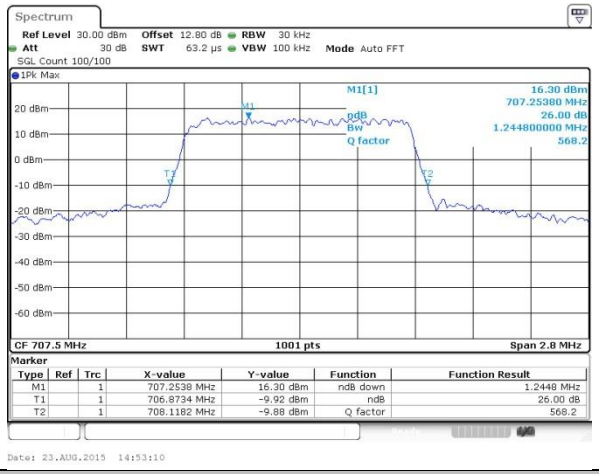
Lowest Channel / 1.4MHz / QPSK



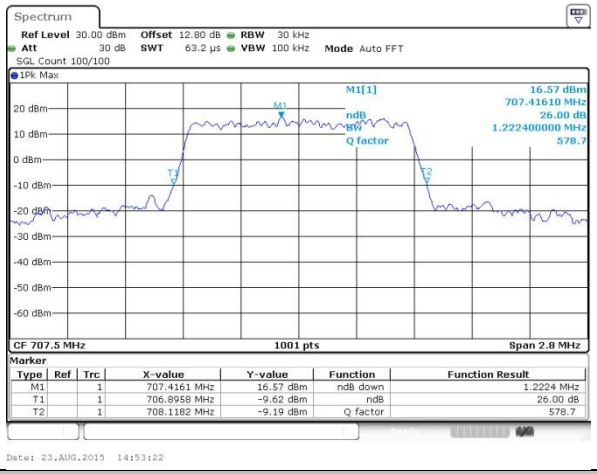
Lowest Channel / 1.4MHz / 16QAM



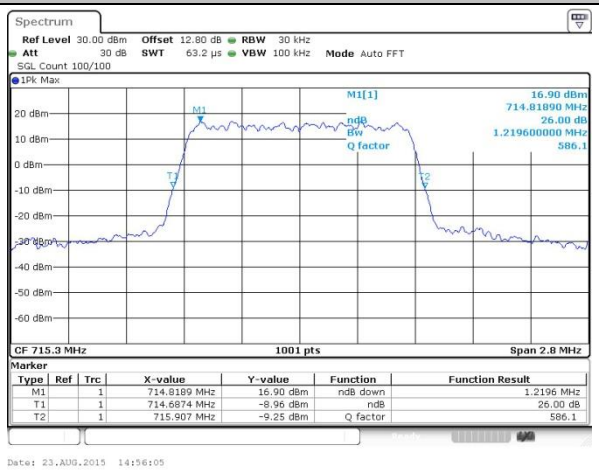
Middle Channel / 1.4MHz / QPSK



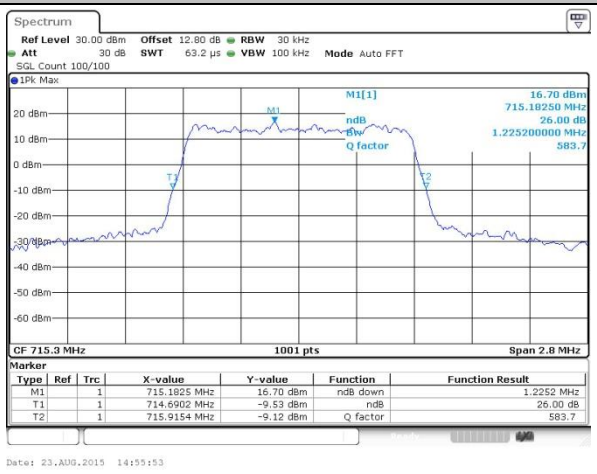
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

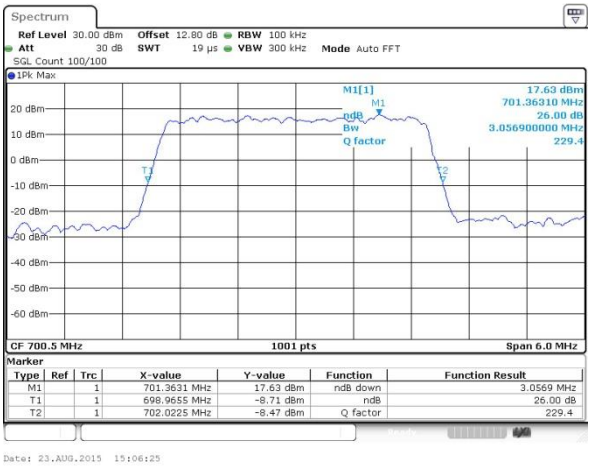


Highest Channel / 1.4MHz / 16QAM

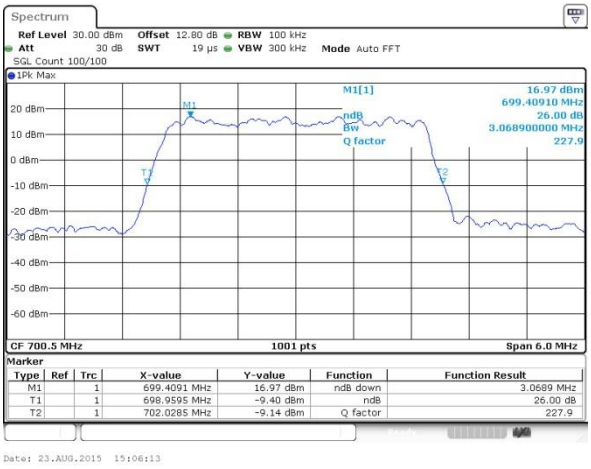


LTE Band 12

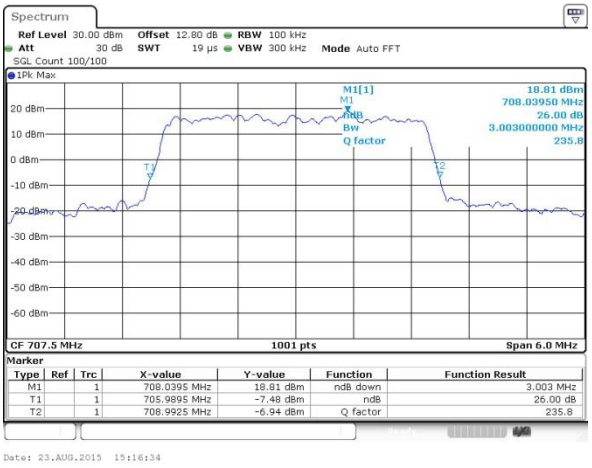
Lowest Channel / 3MHz / QPSK



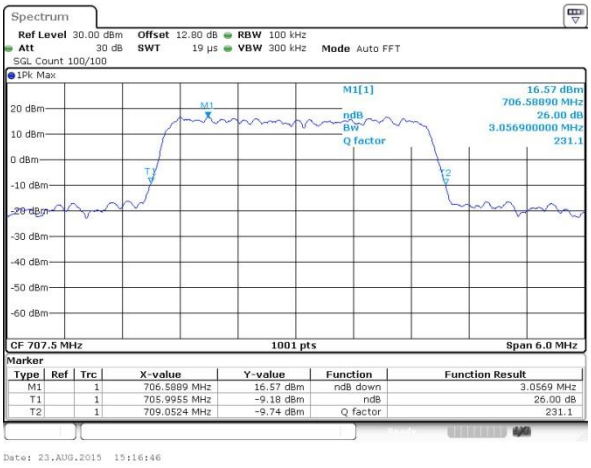
Lowest Channel / 3MHz / 16QAM



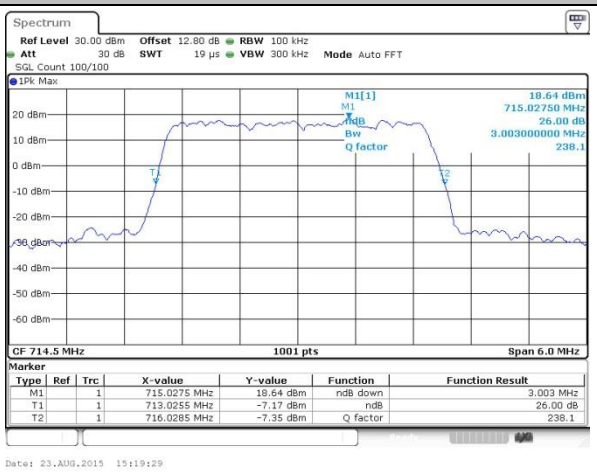
Middle Channel / 3MHz / QPSK



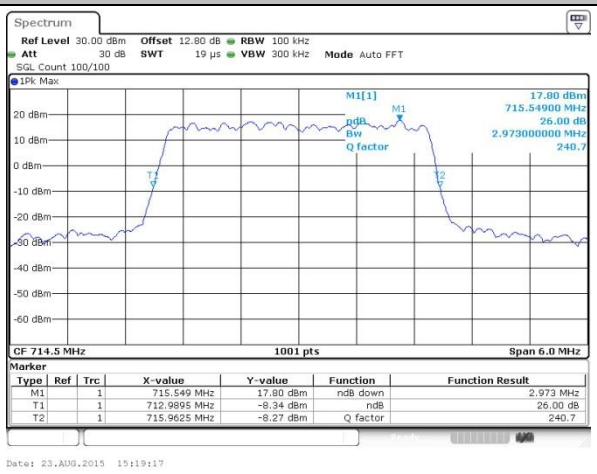
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

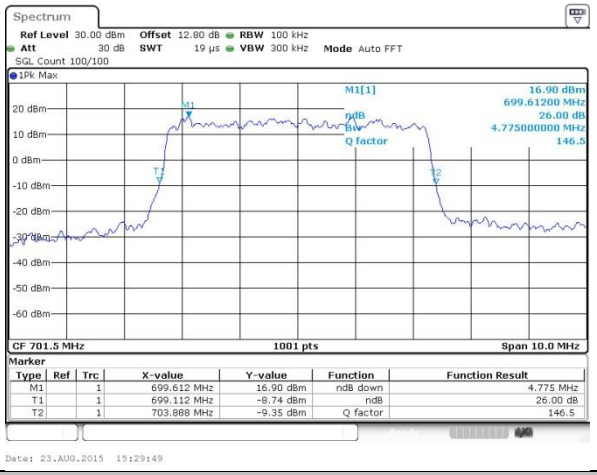


Highest Channel /3MHz / 16QAM

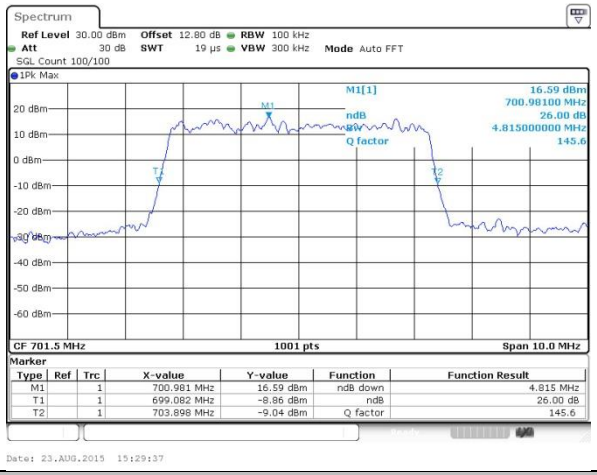


LTE Band 12

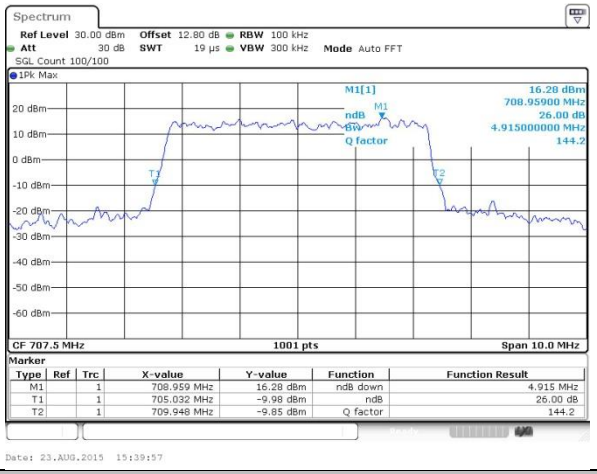
Lowest Channel / 5MHz / QPSK



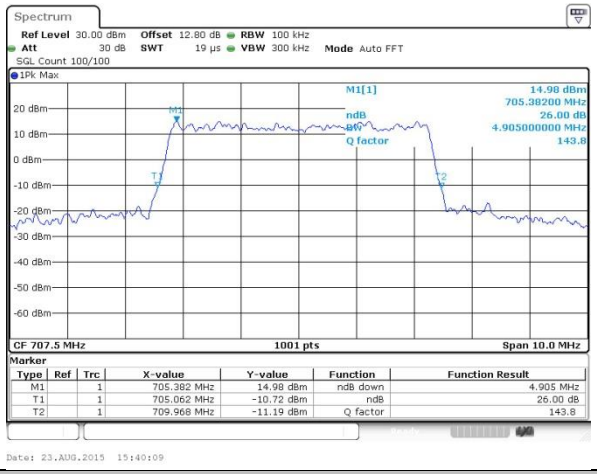
Lowest Channel / 5MHz / 16QAM



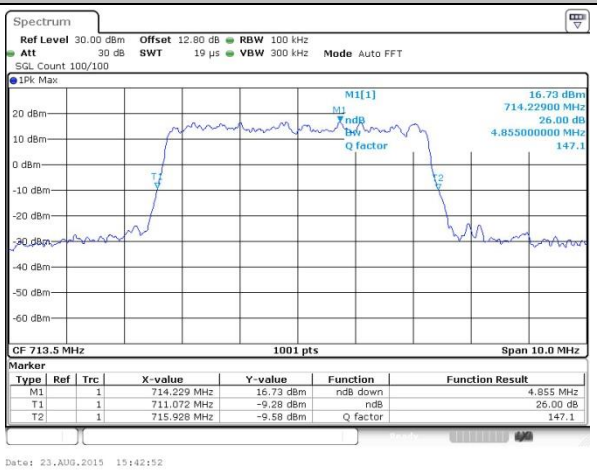
Middle Channel / 5MHz / QPSK



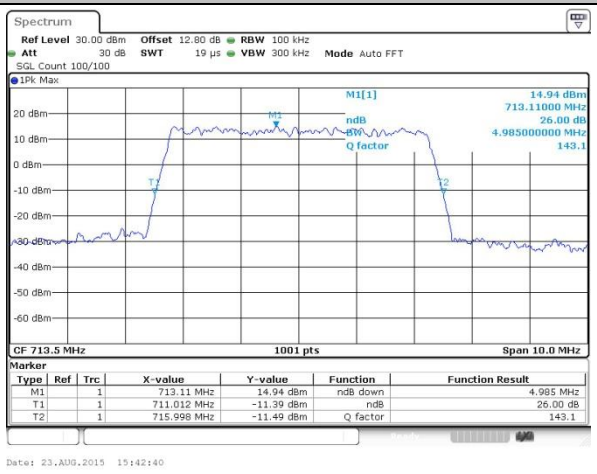
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

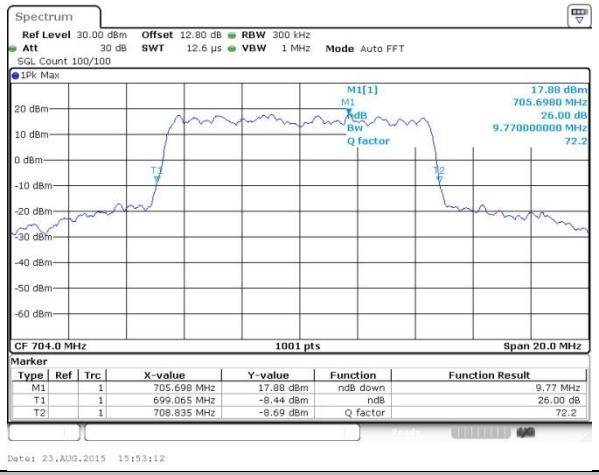


Highest Channel / 5MHz / 16QAM

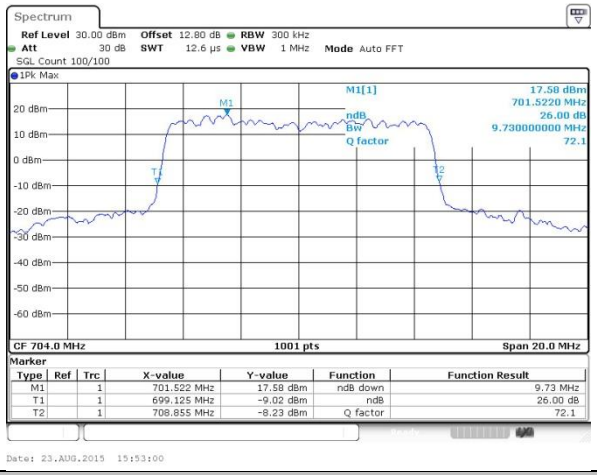


LTE Band 12

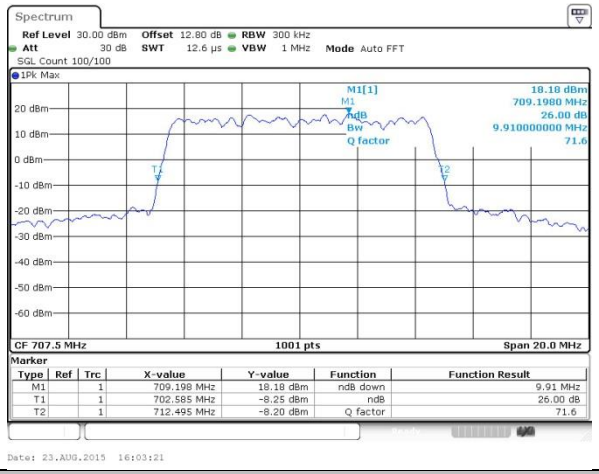
Lowest Channel / 10MHz / QPSK



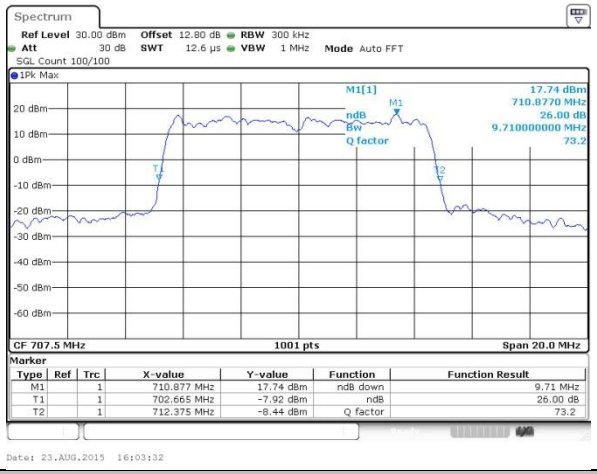
Lowest Channel / 10MHz / 16QAM



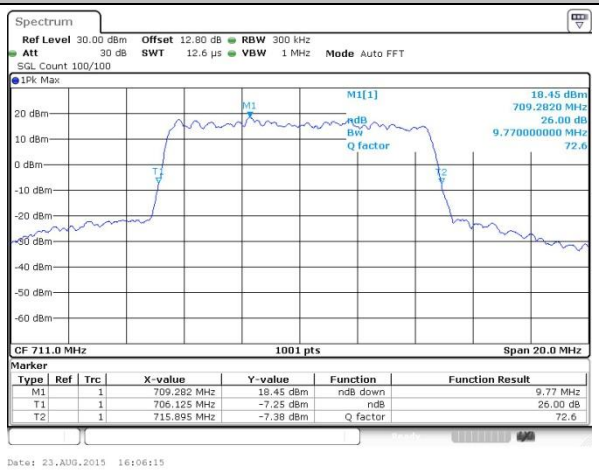
Middle Channel / 10MHz / QPSK



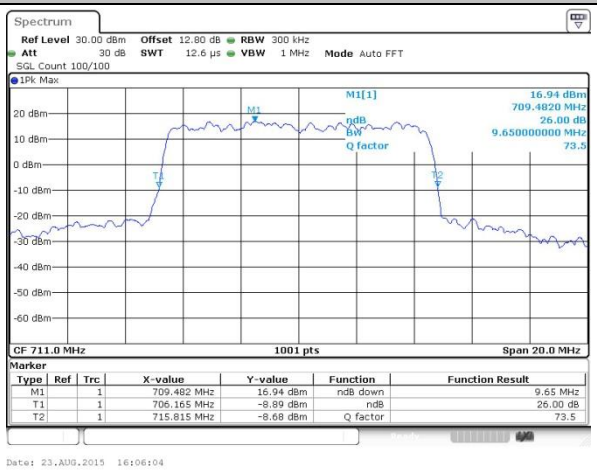
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

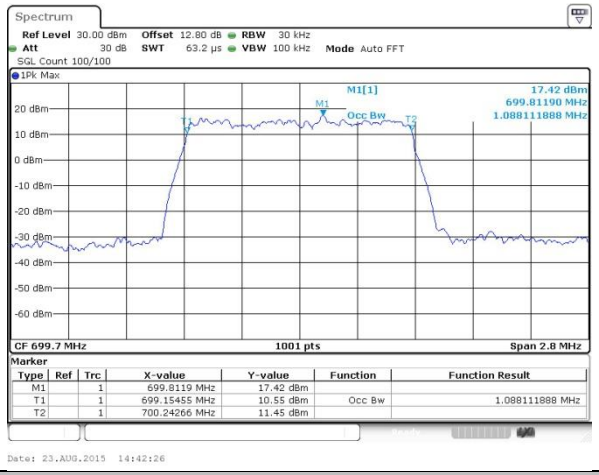


Occupied Bandwidth

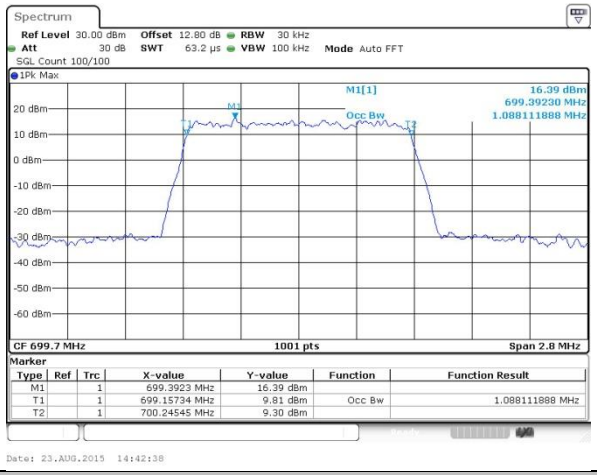
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.09	2.73	2.72	4.49	4.50	9.13	9.03	-	-	-	-
Middle CH	1.09	1.09	2.70	2.71	4.51	4.48	9.05	8.99	-	-	-	-
Highest CH	1.08	1.09	2.74	2.73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

LTE Band 12

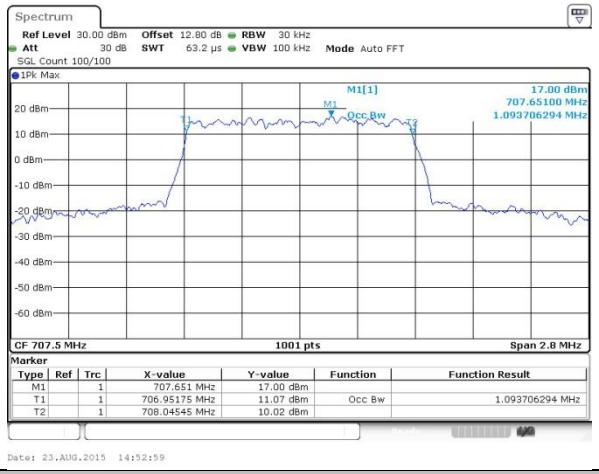
Lowest Channel / 1.4MHz / QPSK



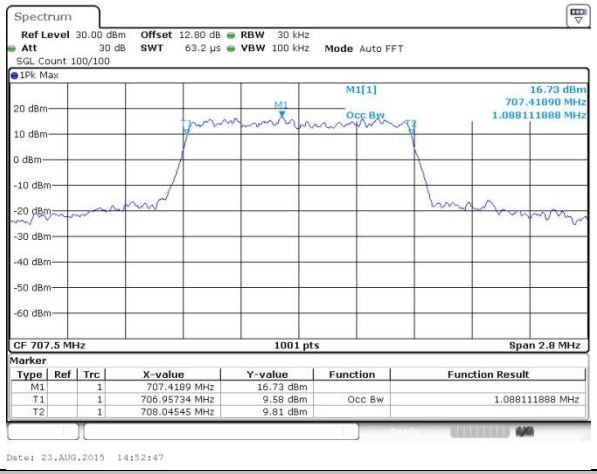
Lowest Channel / 1.4MHz / 16QAM



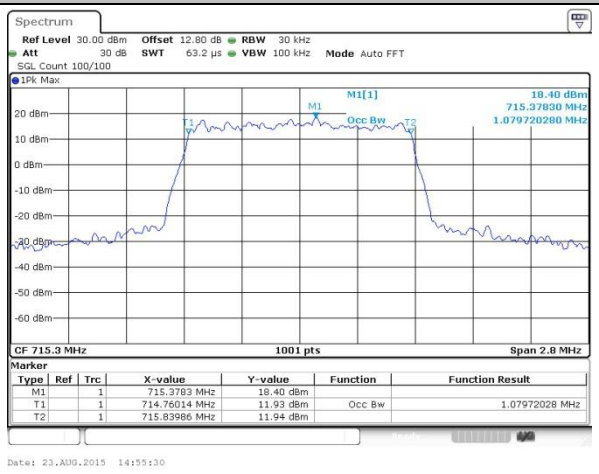
Middle Channel / 1.4MHz / QPSK



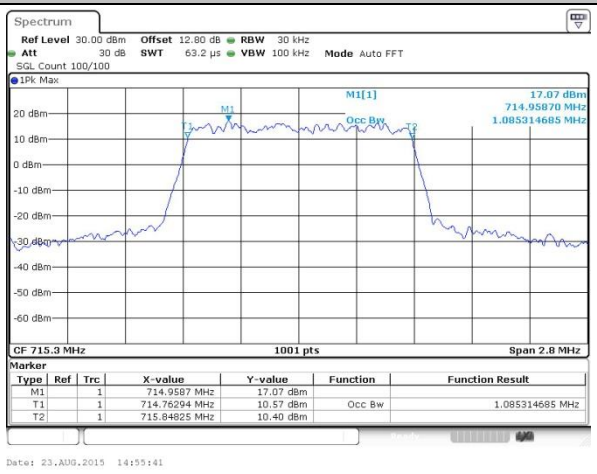
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

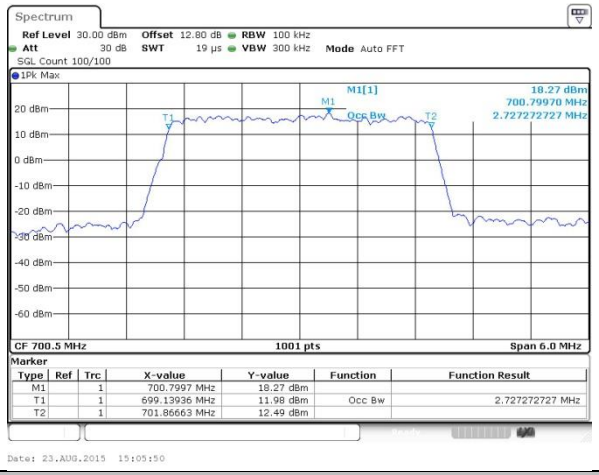


Highest Channel / 1.4MHz / 16QAM

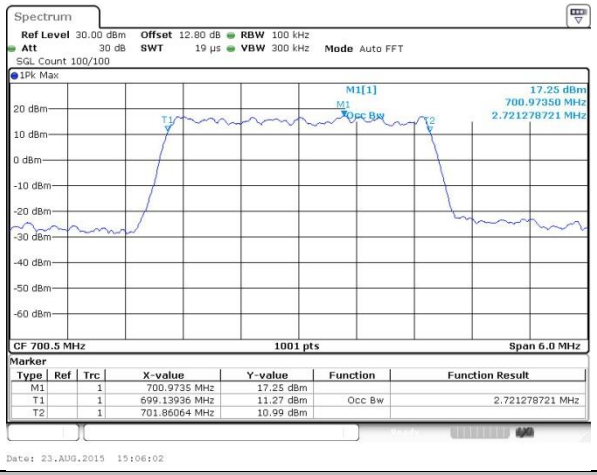


LTE Band 12

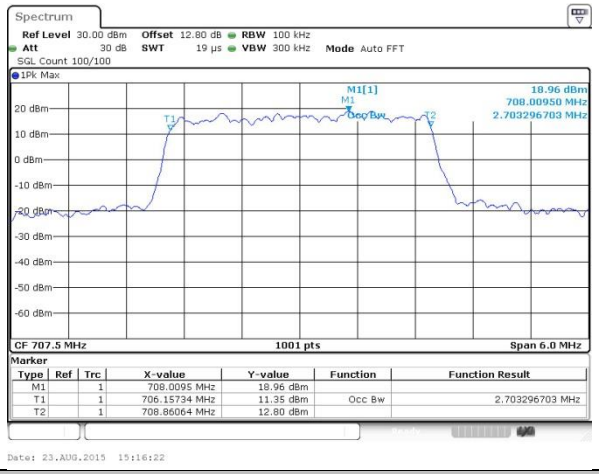
Lowest Channel / 3MHz / QPSK



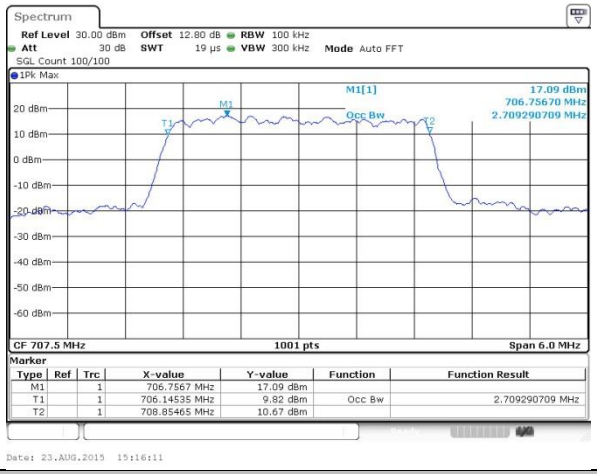
Lowest Channel / 3MHz / 16QAM



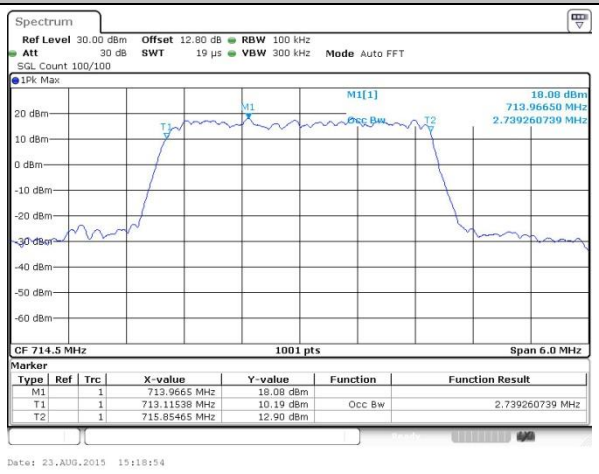
Middle Channel / 3MHz / QPSK



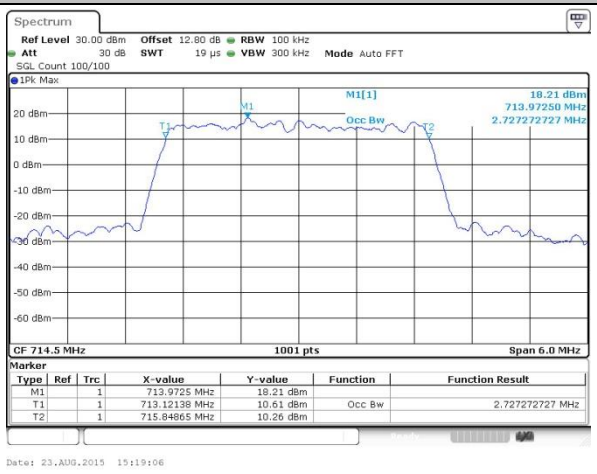
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

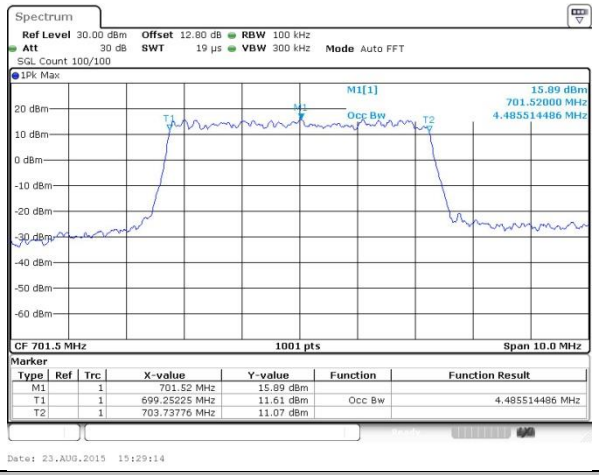


Highest Channel / 3MHz / 16QAM

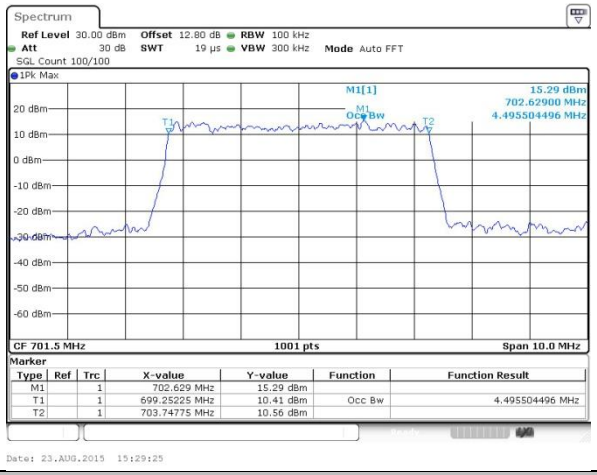


LTE Band 12

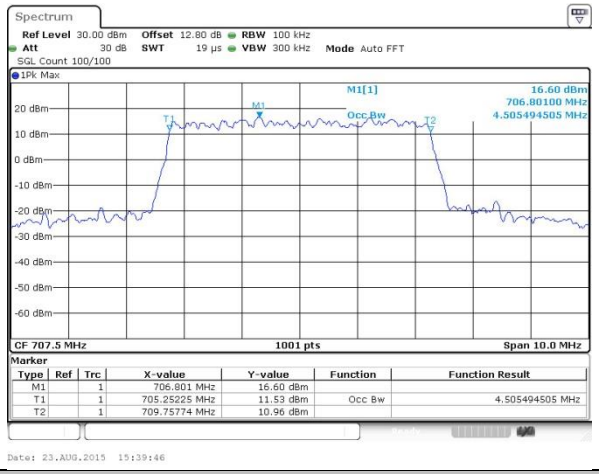
Lowest Channel / 5MHz / QPSK



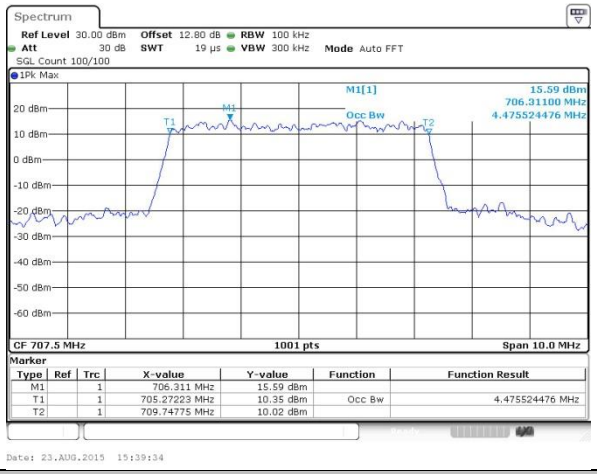
Lowest Channel / 5MHz / 16QAM



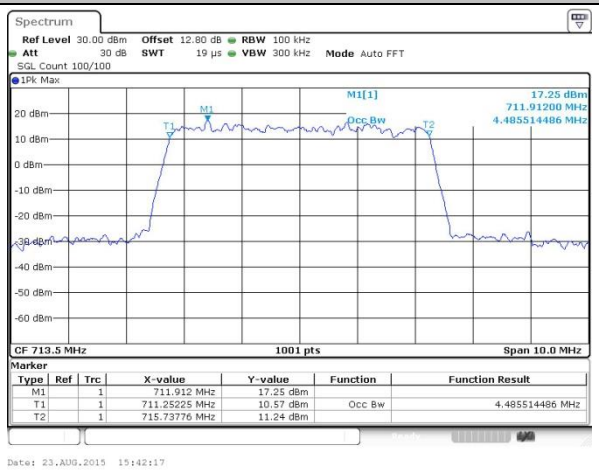
Middle Channel / 5MHz / QPSK



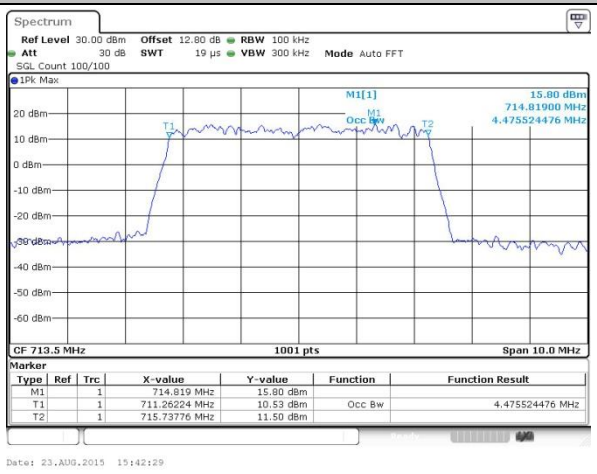
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

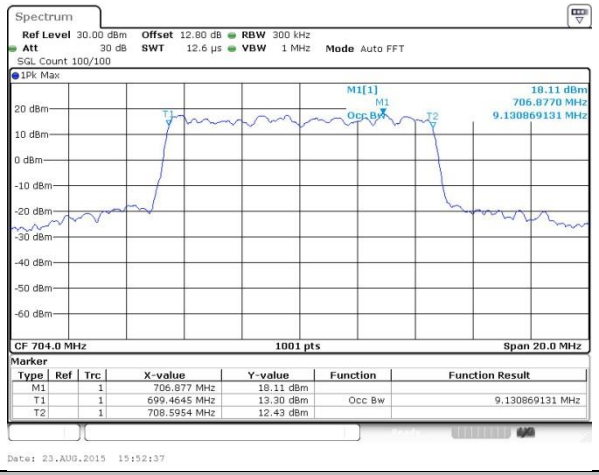


Highest Channel / 5MHz / 16QAM

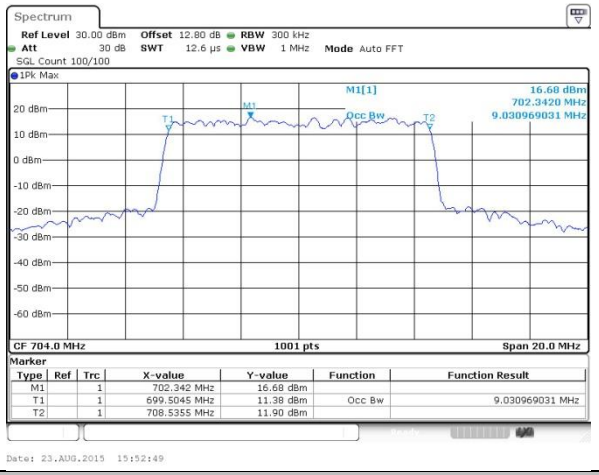


LTE Band 12

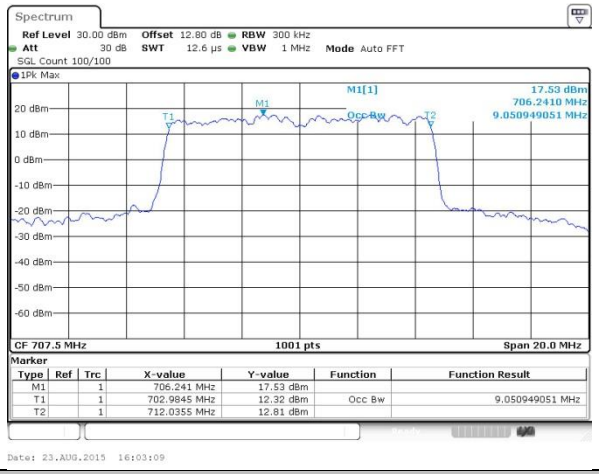
Lowest Channel / 10MHz / QPSK



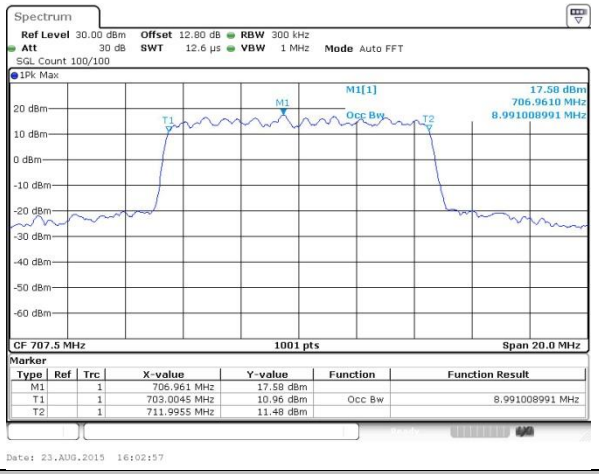
Lowest Channel / 10MHz / 16QAM



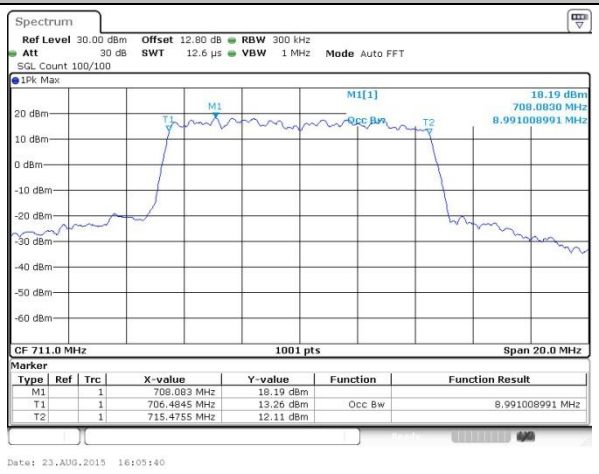
Middle Channel / 10MHz / QPSK



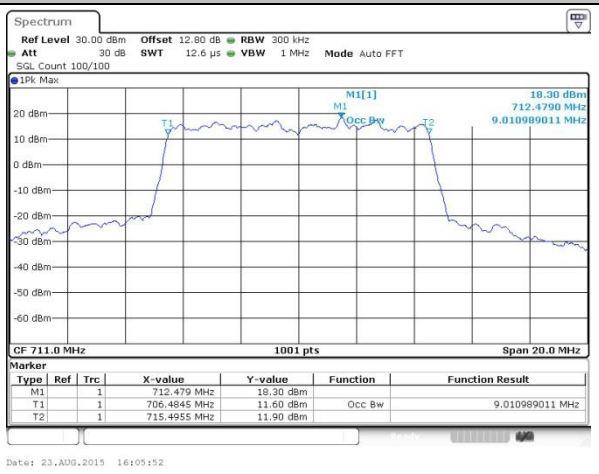
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



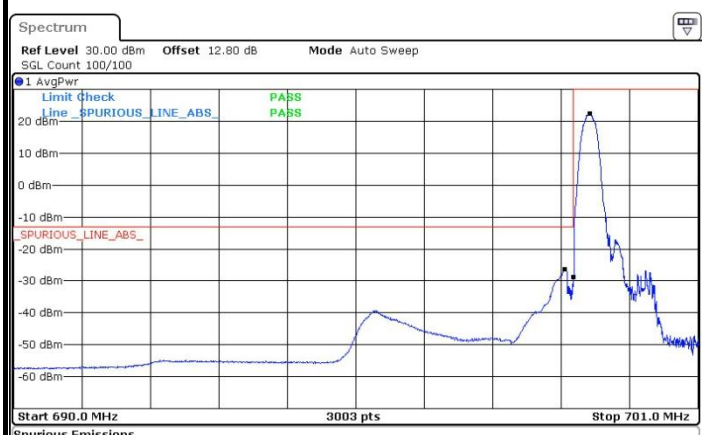
Highest Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB

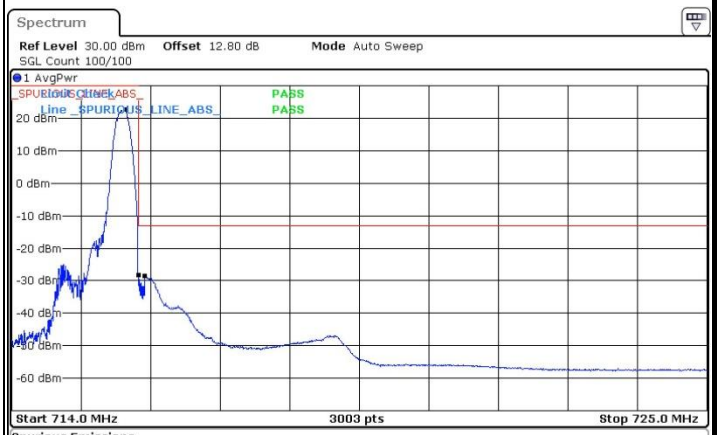


Spurious Emissions

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

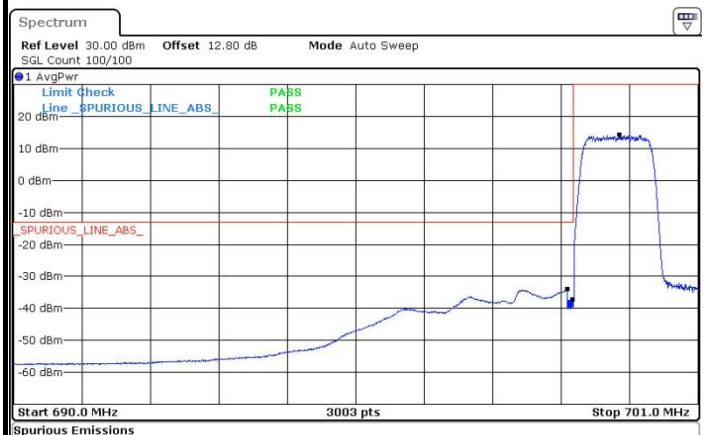


Spurious Emissions

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

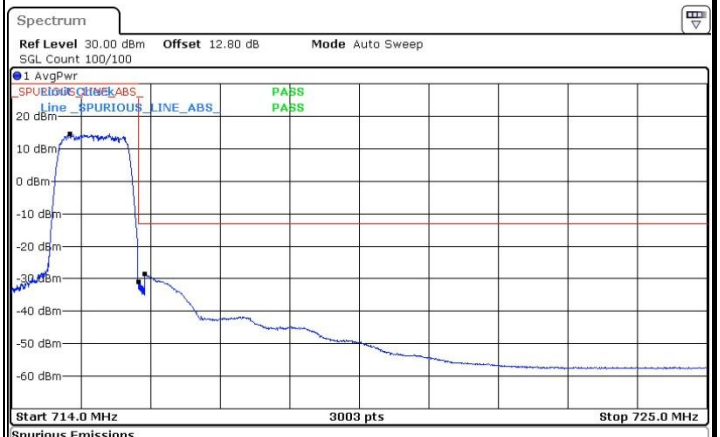


Spurious Emissions

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



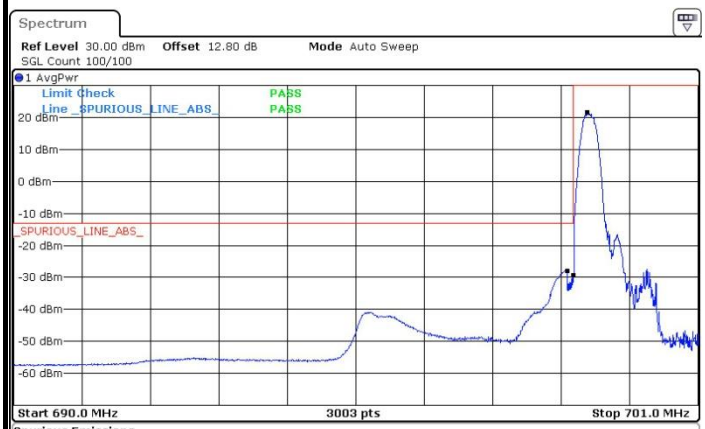
Spurious Emissions

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

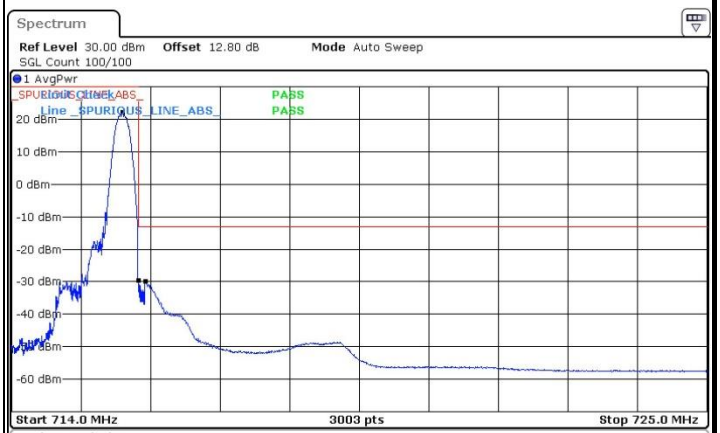


Spurious Emissions

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

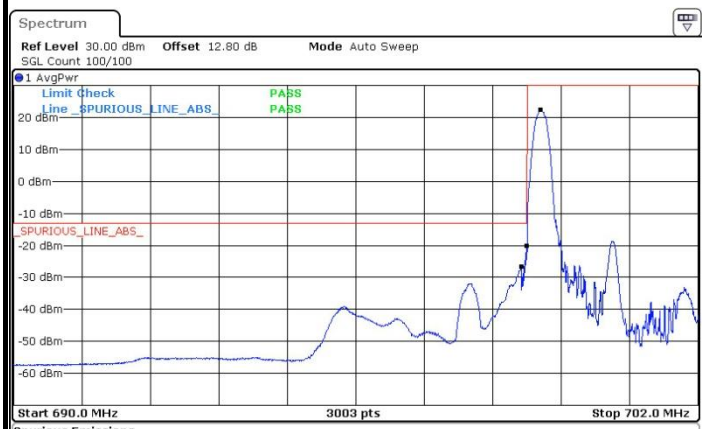
Spurious Emissions

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

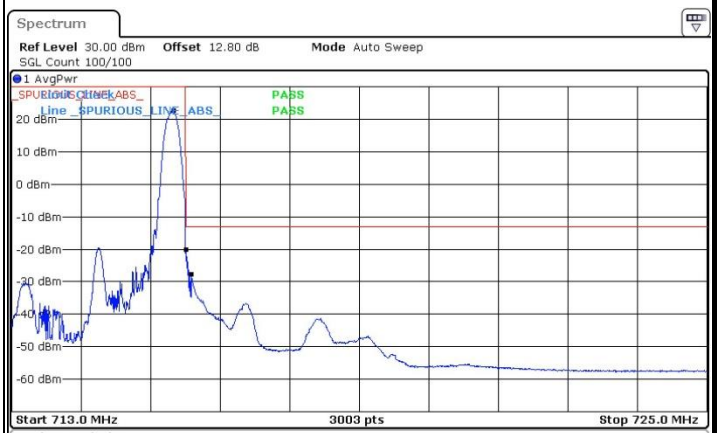


Spurious Emissions

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

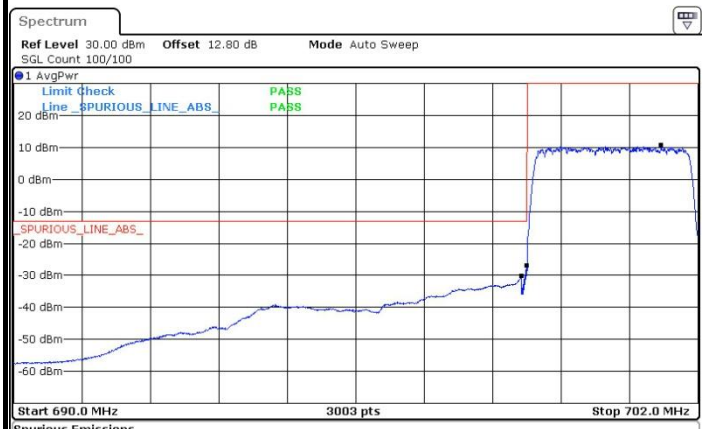


Spurious Emissions

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

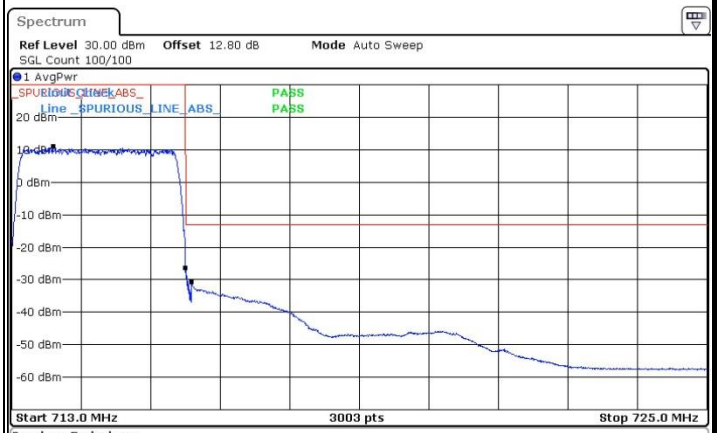


Spurious Emissions

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



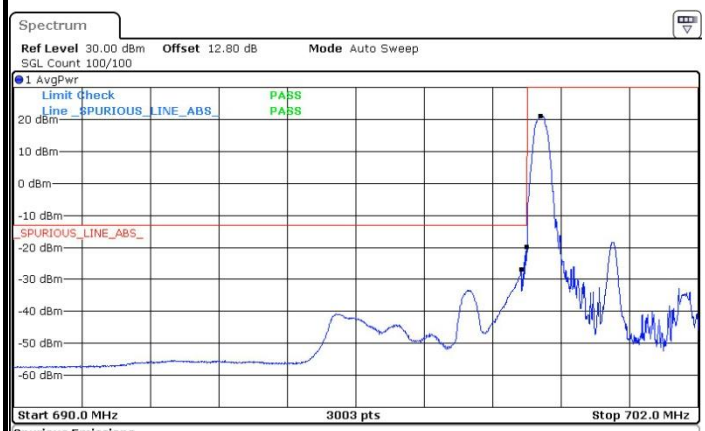
Spurious Emissions

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

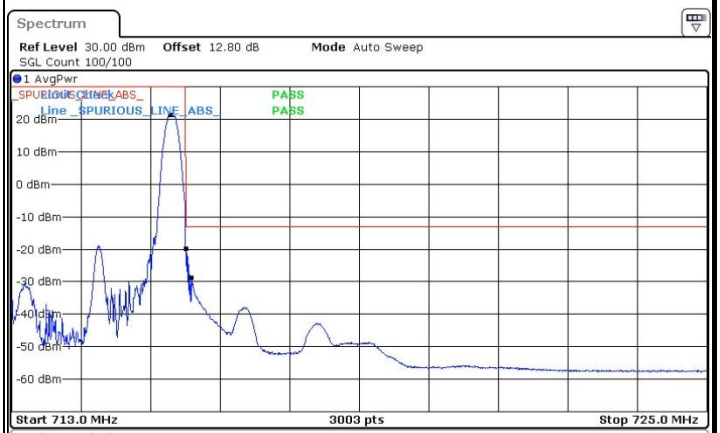


Spurious Emissions

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

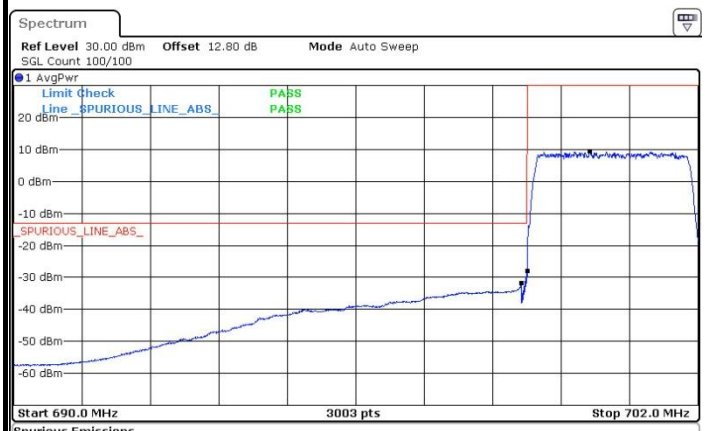


Spurious Emissions

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

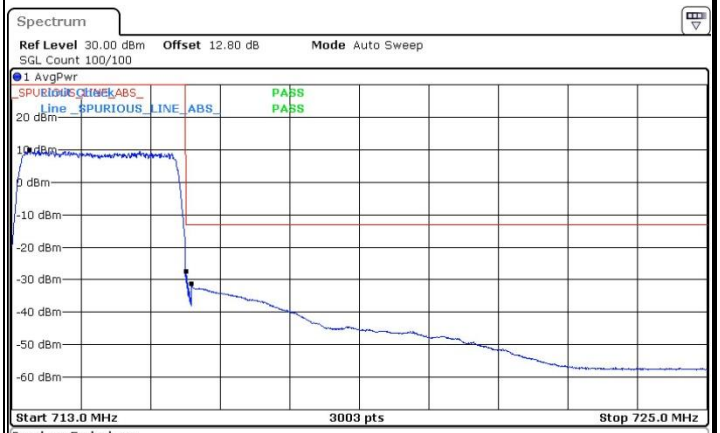


Spurious Emissions

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