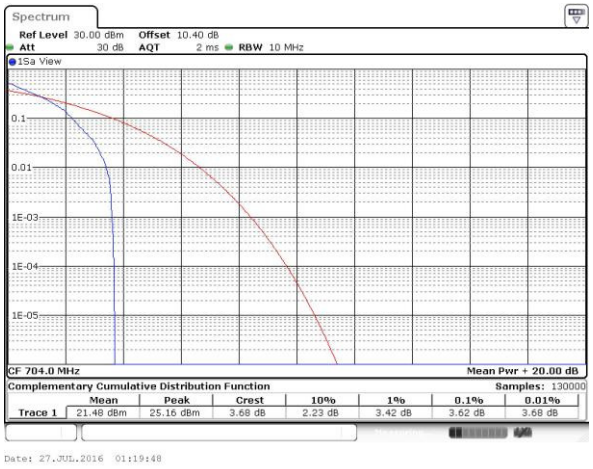
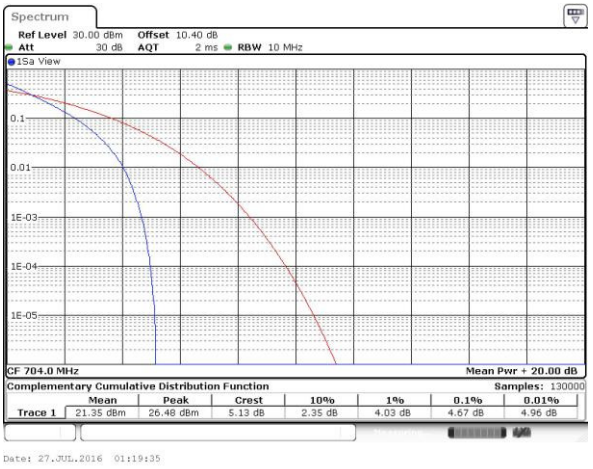
LTE Band 12 / 10MHz / QPSK

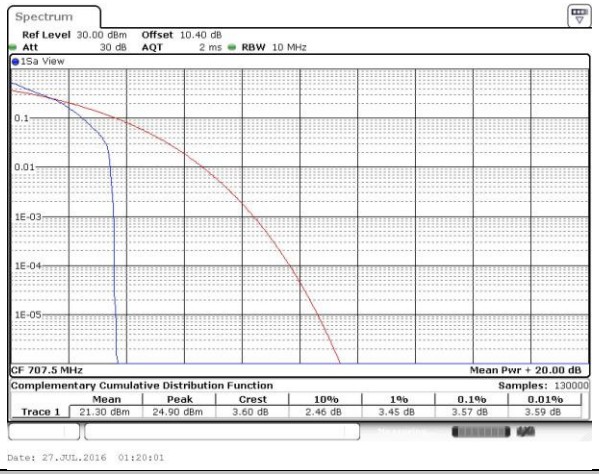
Lowest Channel / 1RB



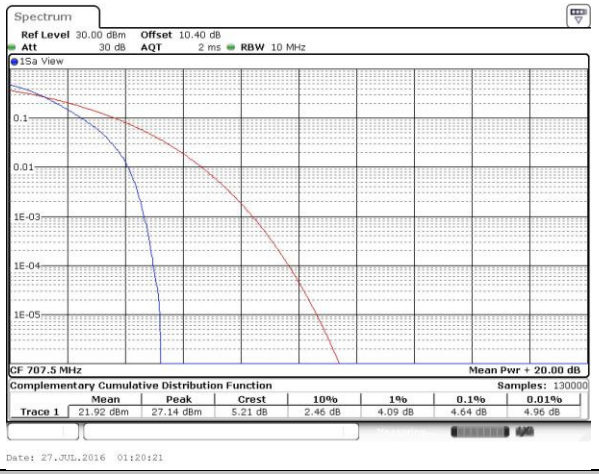
Lowest Channel / Full RB



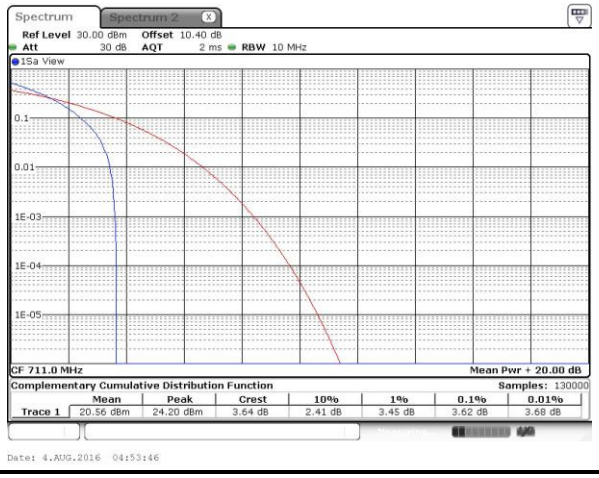
Middle Channel / 1RB



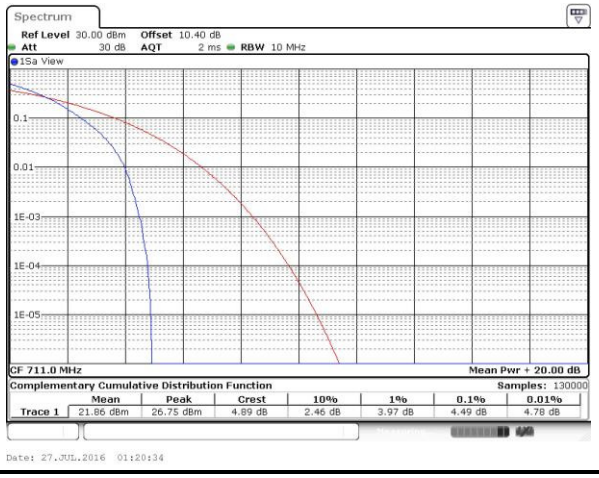
Middle Channel / Full RB



Highest Channel / 1RB

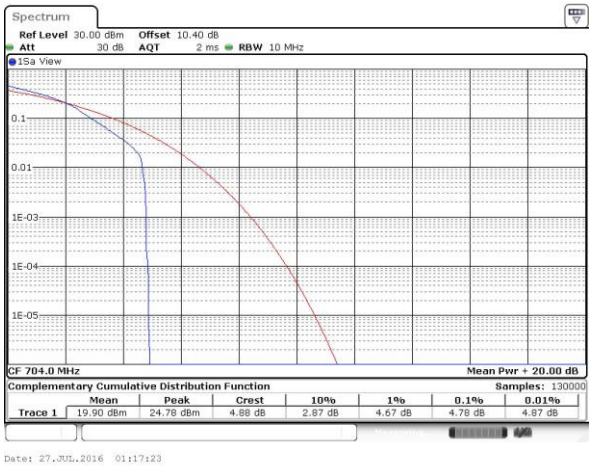


Highest Channel / Full RB

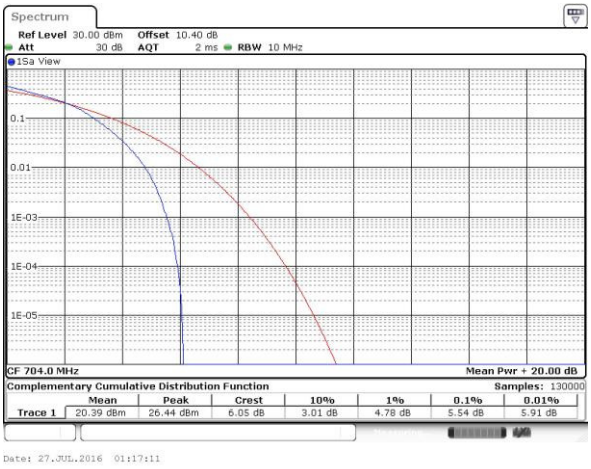


LTE Band 12 / 10MHz / 16QAM

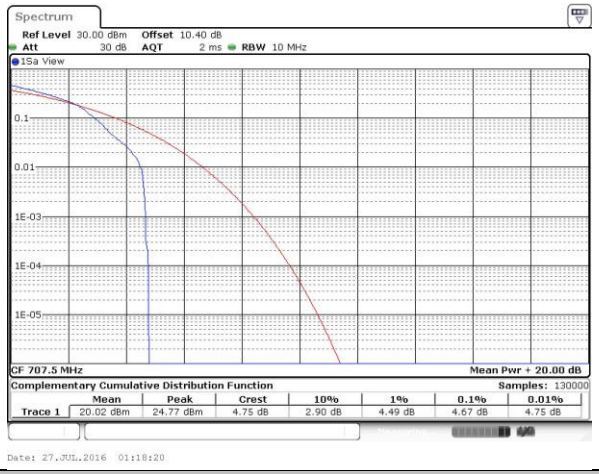
Lowest Channel / 1RB



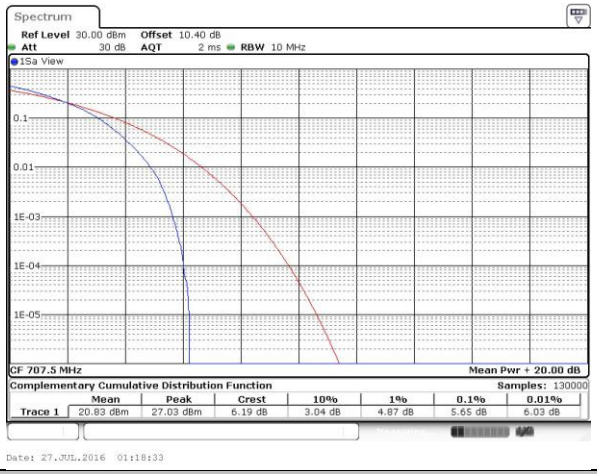
Lowest Channel / Full RB



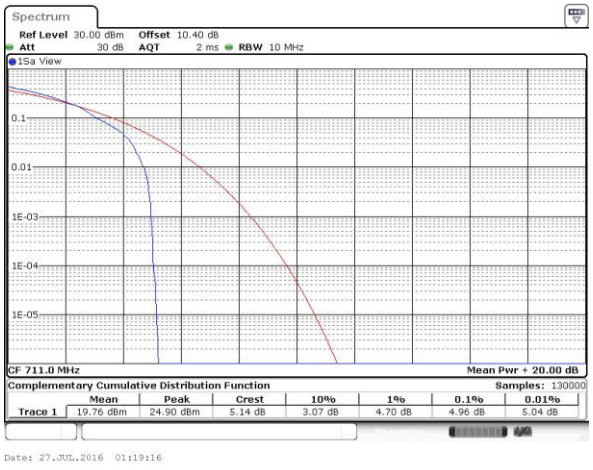
Middle Channel / 1RB



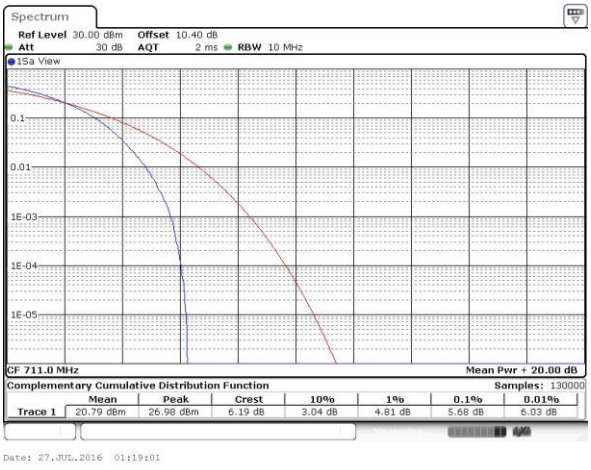
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

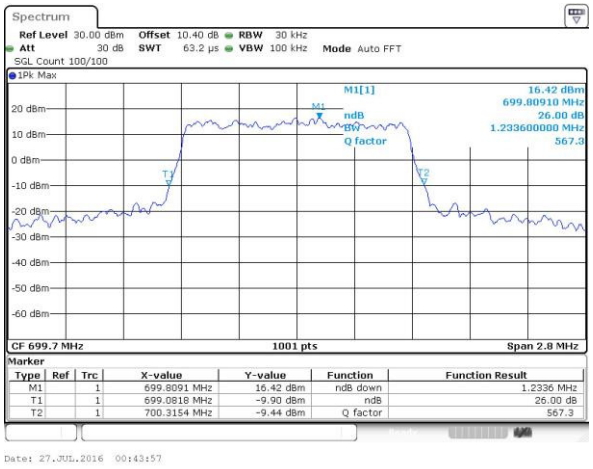


26dB Bandwidth

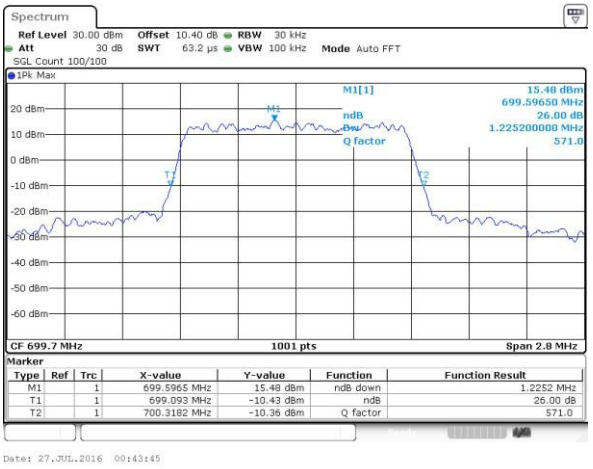
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.234	1.225	2.961	3.021	4.915	4.895	9.85	9.85	-	-	-	-
Middle CH	1.22	1.242	3.057	2.991	4.885	4.835	9.87	9.67	-	-	-	-
Highest CH	1.242	1.222	2.997	2.985	4.885	4.915	9.85	9.81	-	-	-	-

LTE Band 12

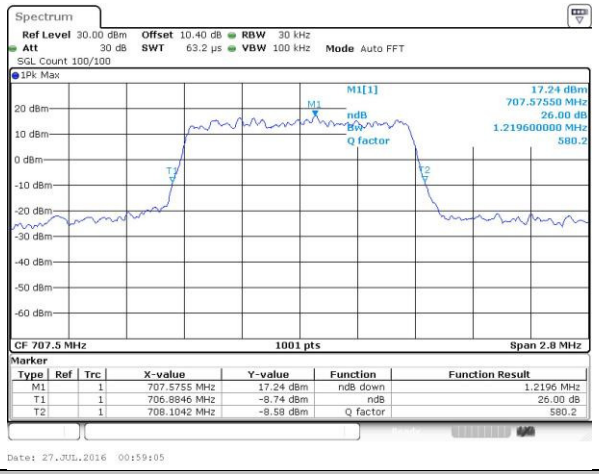
Lowest Channel / 1.4MHz / QPSK



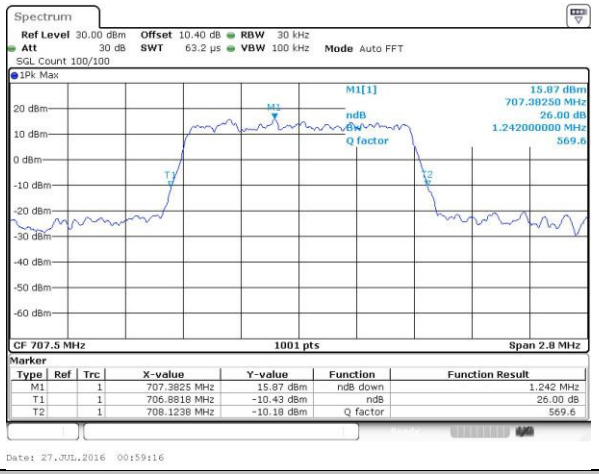
Lowest Channel / 1.4MHz / 16QAM



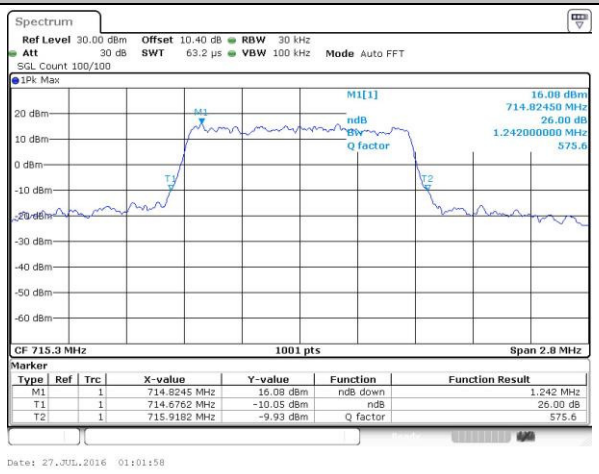
Middle Channel / 1.4MHz / QPSK



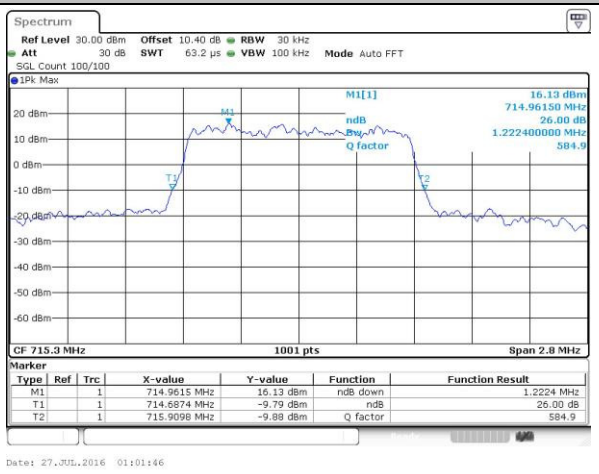
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

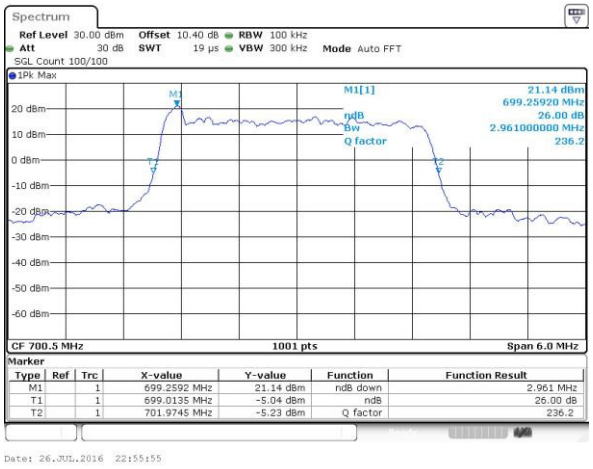


Highest Channel / 1.4MHz / 16QAM

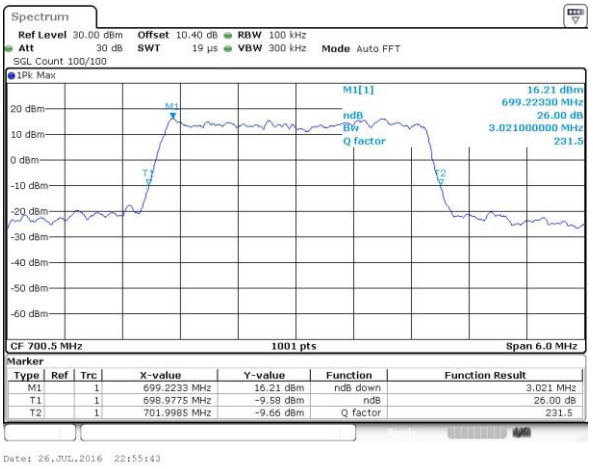


LTE Band 12

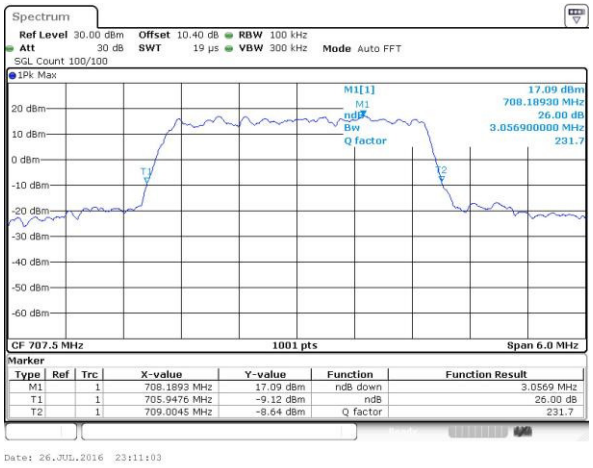
Lowest Channel / 3MHz / QPSK



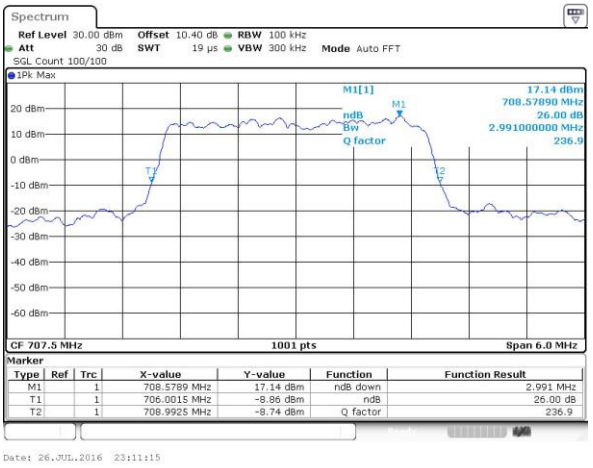
Lowest Channel / 3MHz / 16QAM



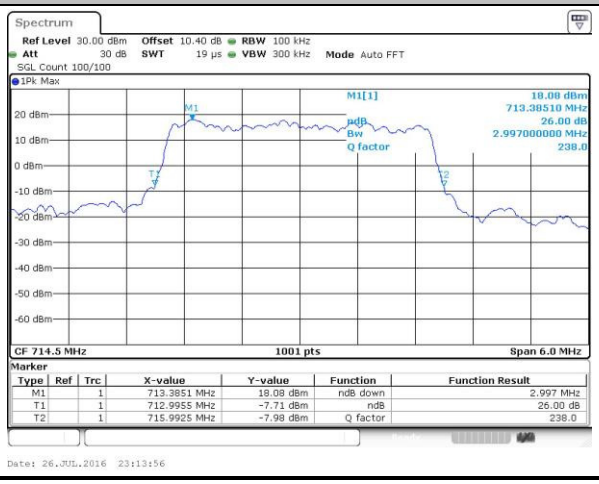
Middle Channel / 3MHz / QPSK



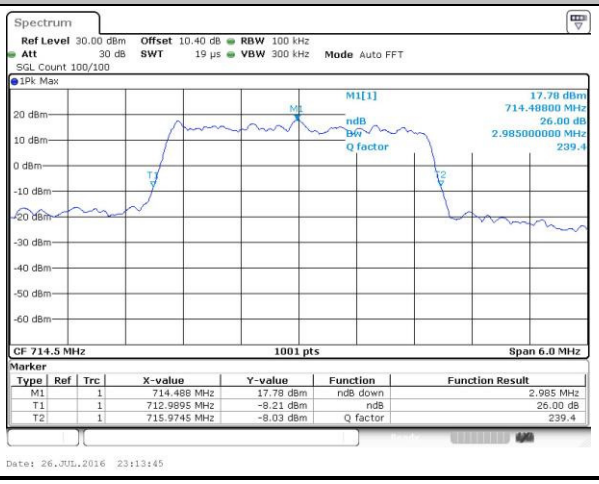
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

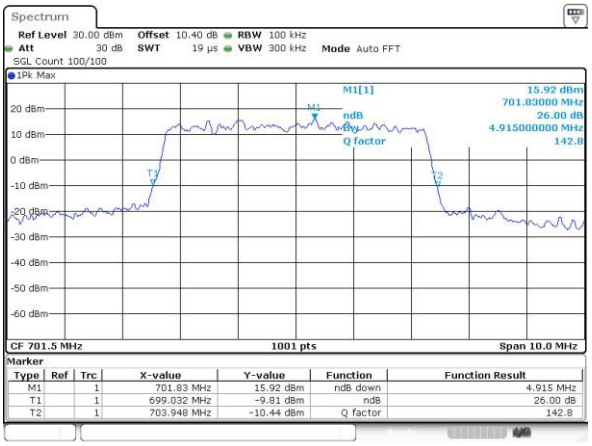


Highest Channel /3MHz / 16QAM

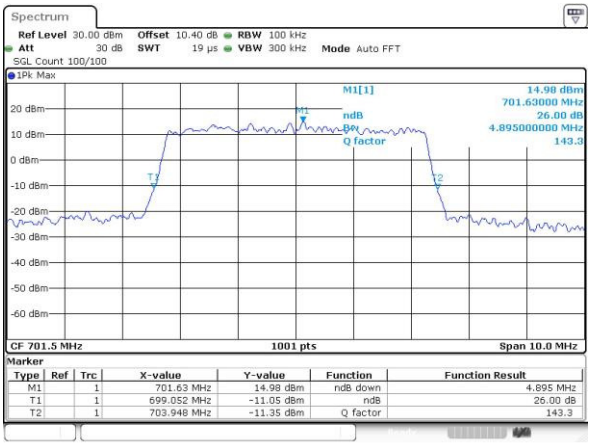


LTE Band 12

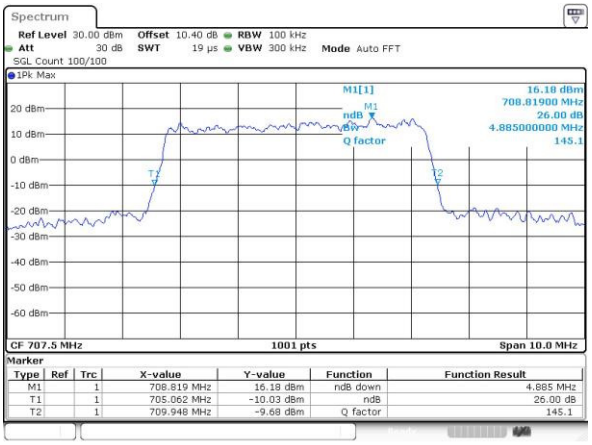
Lowest Channel / 5MHz / QPSK



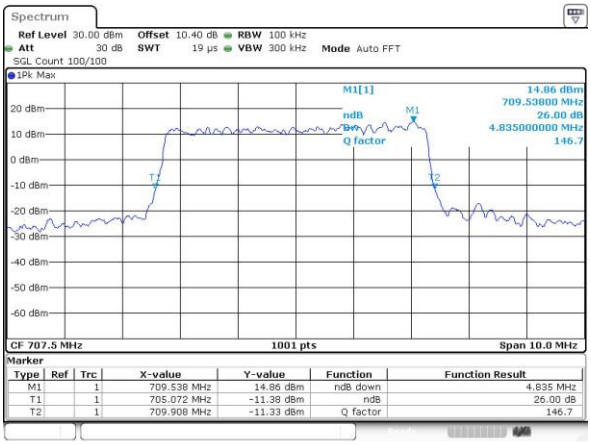
Lowest Channel / 5MHz / 16QAM



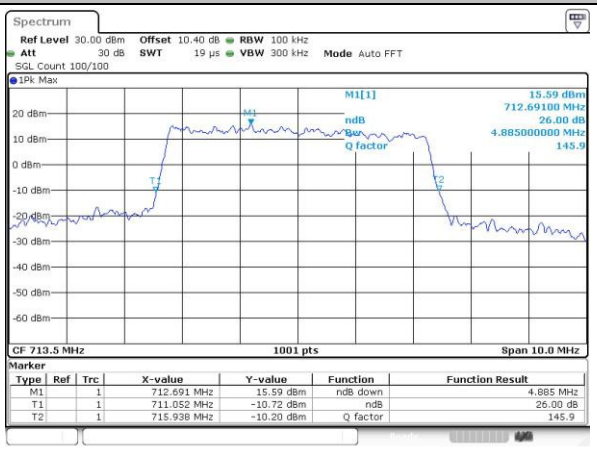
Middle Channel / 5MHz / QPSK



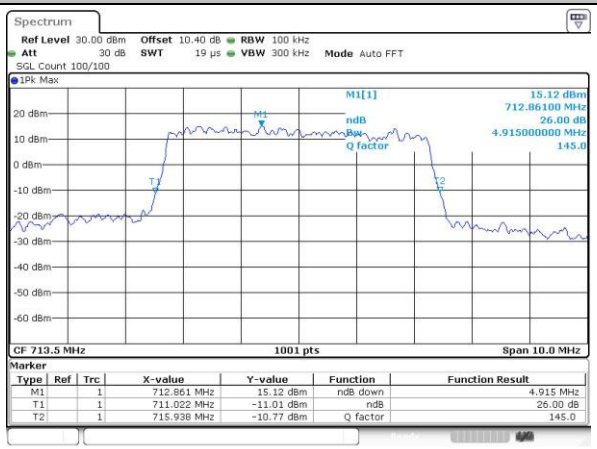
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

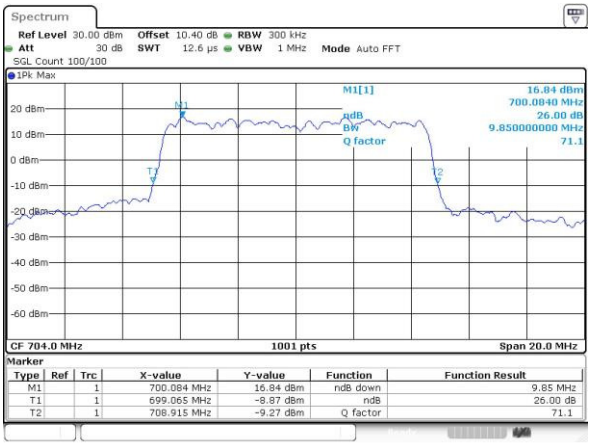


Highest Channel / 5MHz / 16QAM

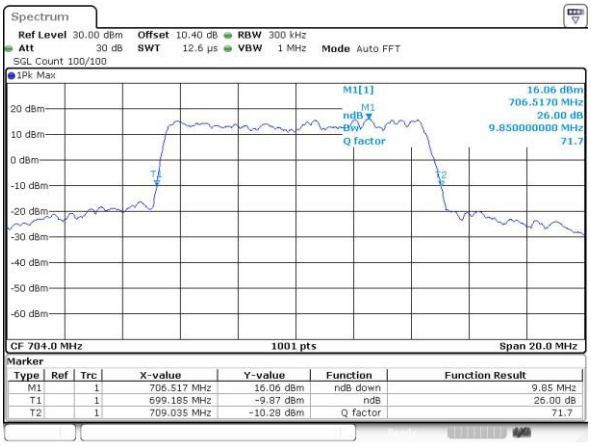


LTE Band 12

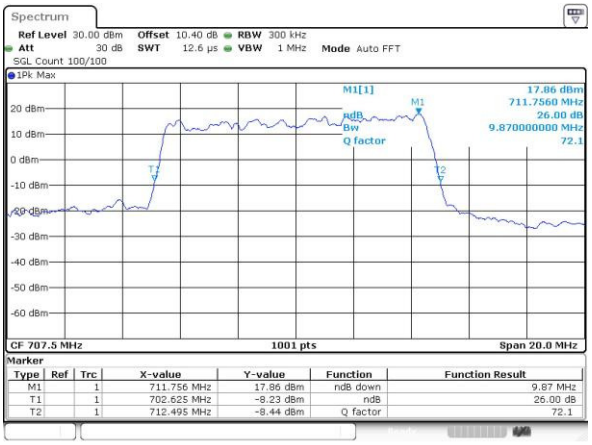
Lowest Channel / 10MHz / QPSK



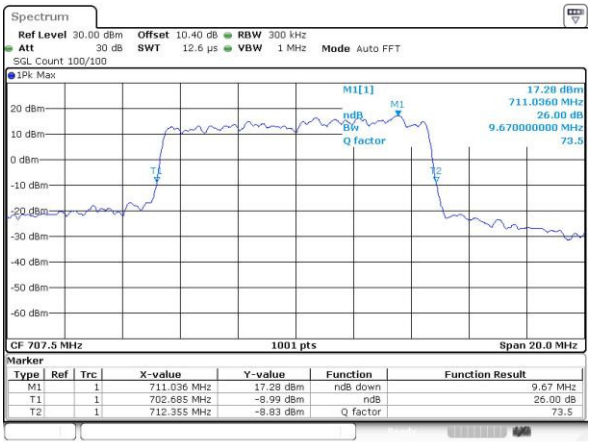
Lowest Channel / 10MHz / 16QAM



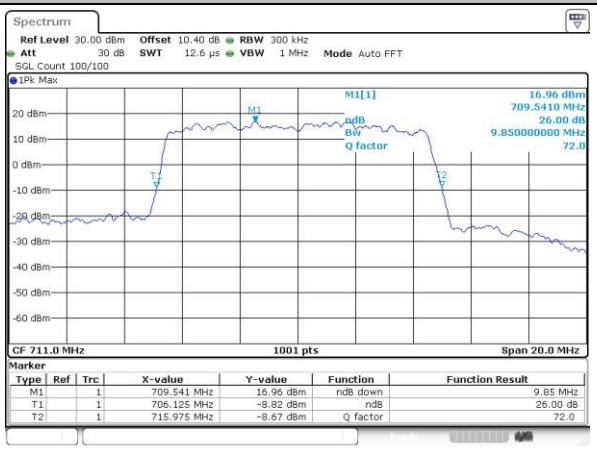
Middle Channel / 10MHz / QPSK



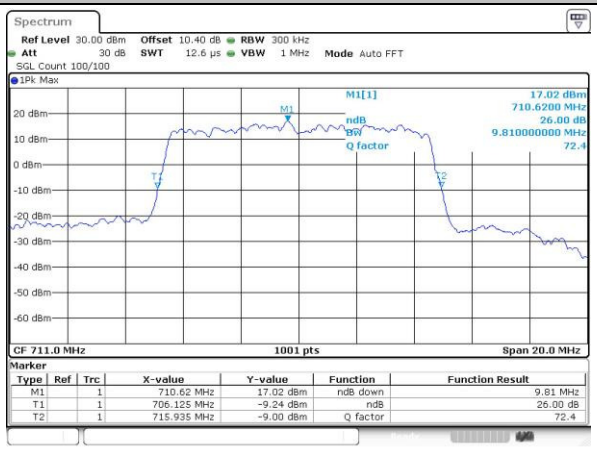
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

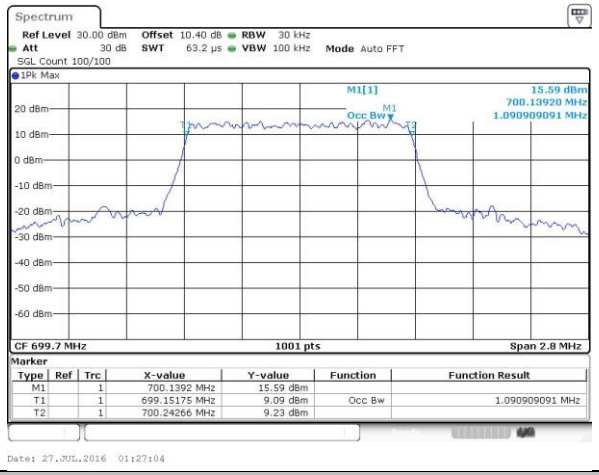


Occupied Bandwidth

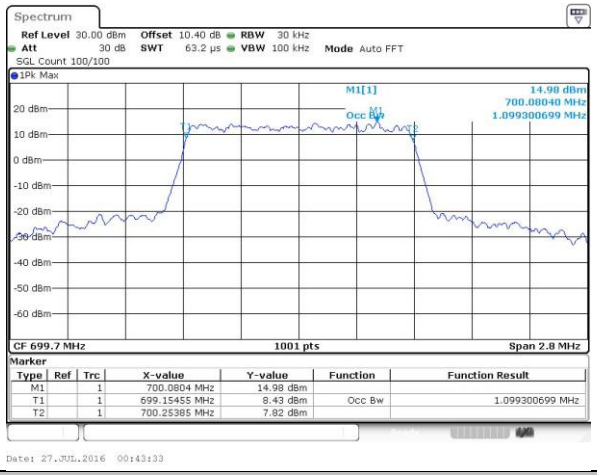
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.09	1.1	2.69	2.72	4.49	4.49	9.07	9.11	-	-	-	-
Middle CH	1.09	1.09	2.72	2.73	4.51	4.49	9.03	8.99	-	-	-	-
Highest CH	1.1	1.09	2.74	2.74	4.48	4.46	8.97	8.95	-	-	-	-

LTE Band 12

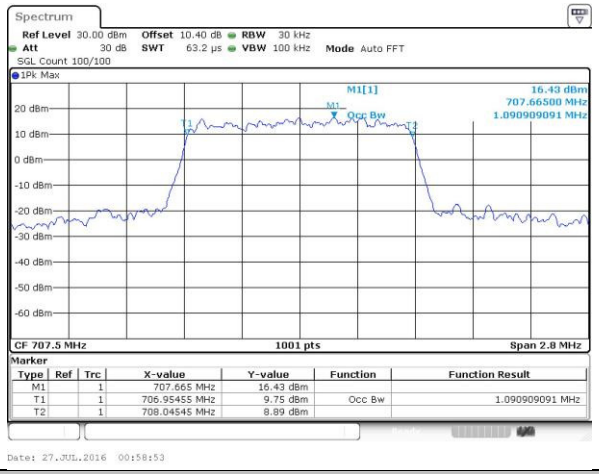
Lowest Channel / 1.4MHz / QPSK



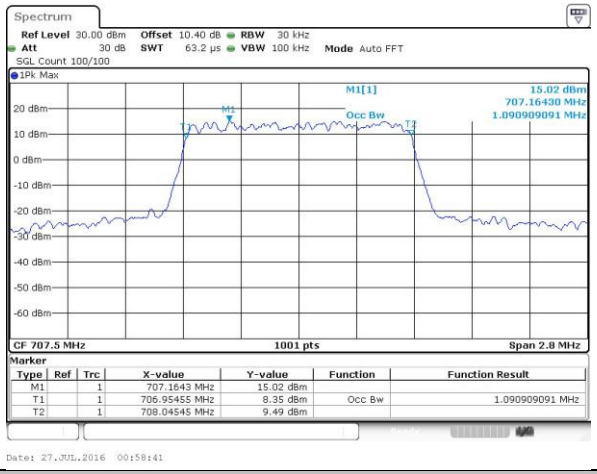
Lowest Channel / 1.4MHz / 16QAM



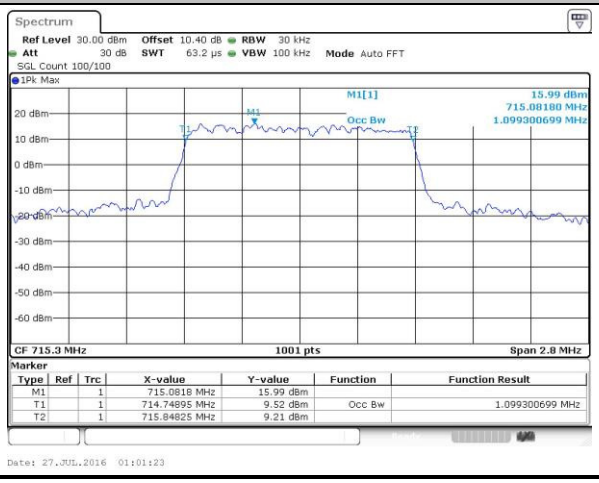
Middle Channel / 1.4MHz / QPSK



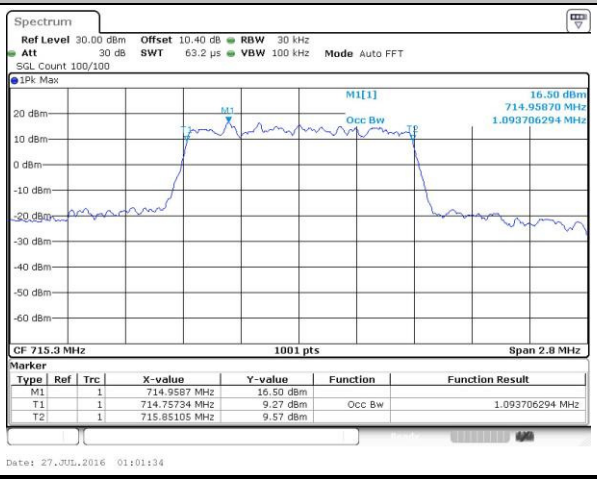
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

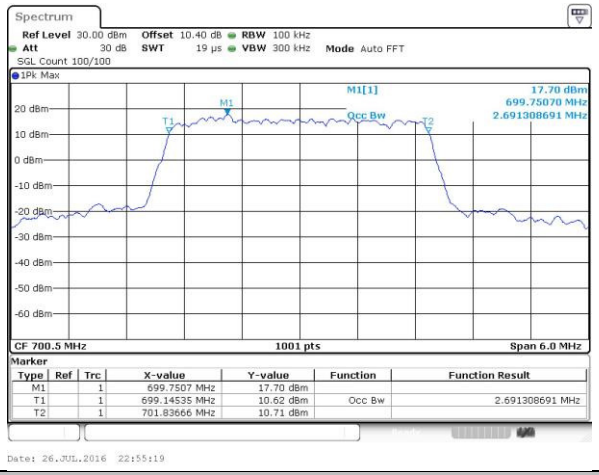


Highest Channel / 1.4MHz / 16QAM

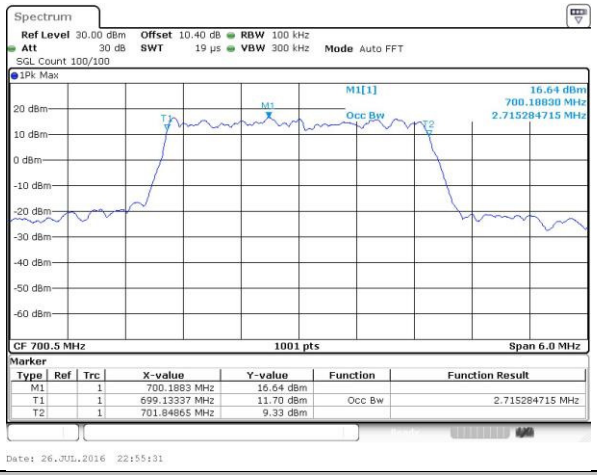


LTE Band 12

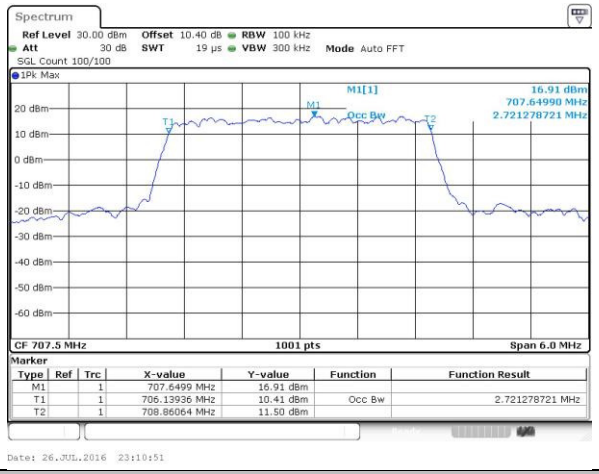
Lowest Channel / 3MHz / QPSK



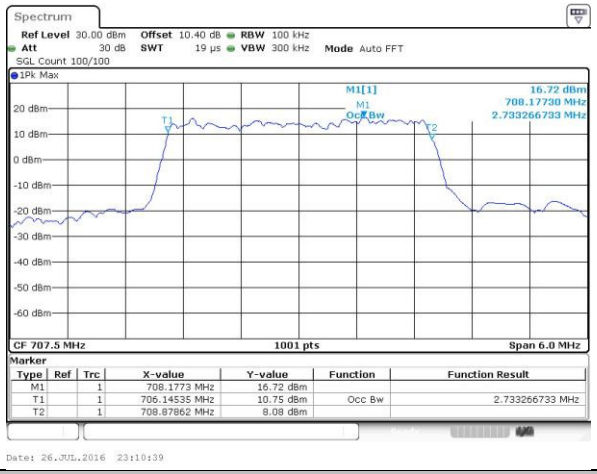
Lowest Channel / 3MHz / 16QAM



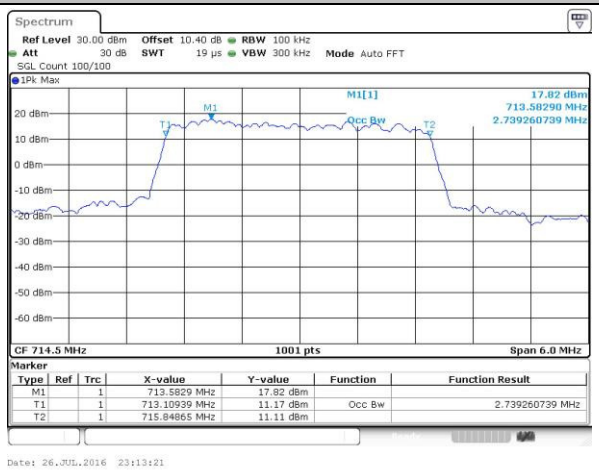
Middle Channel / 3MHz / QPSK



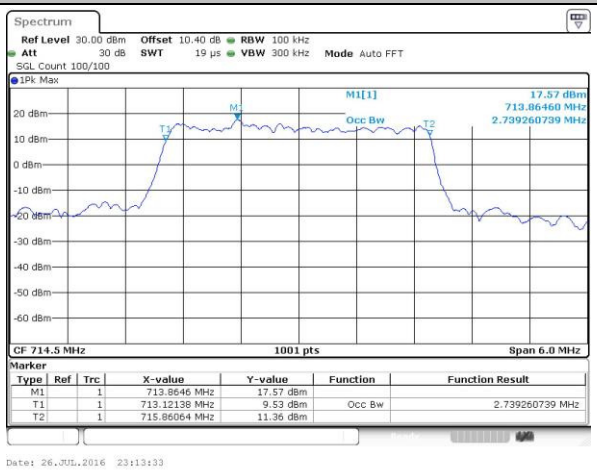
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

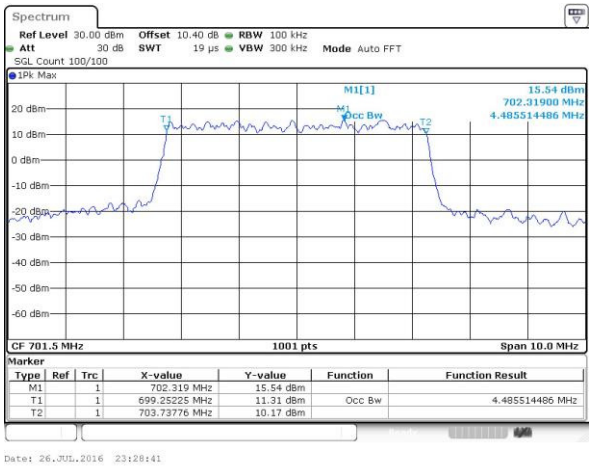


Highest Channel / 3MHz / 16QAM

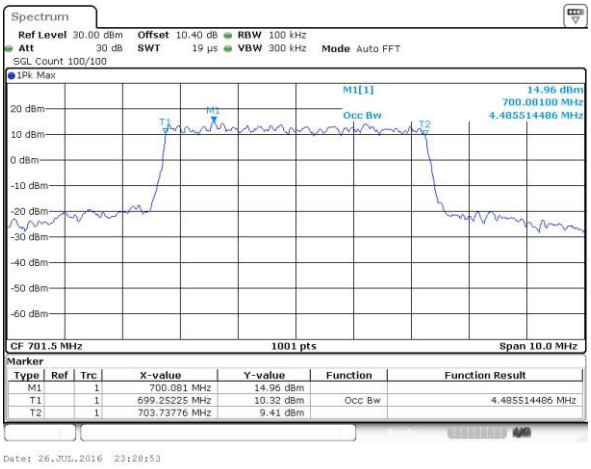


LTE Band 12

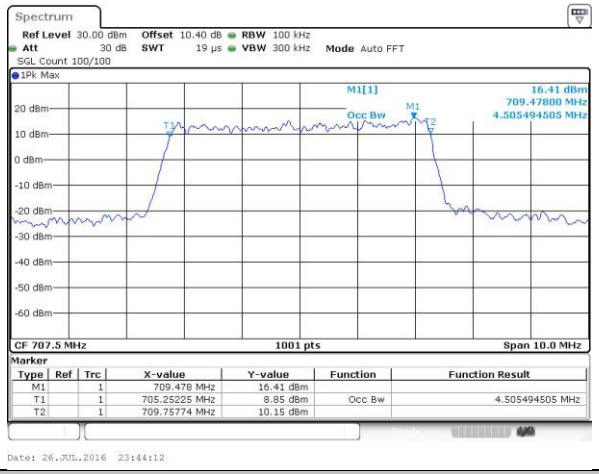
Lowest Channel / 5MHz / QPSK



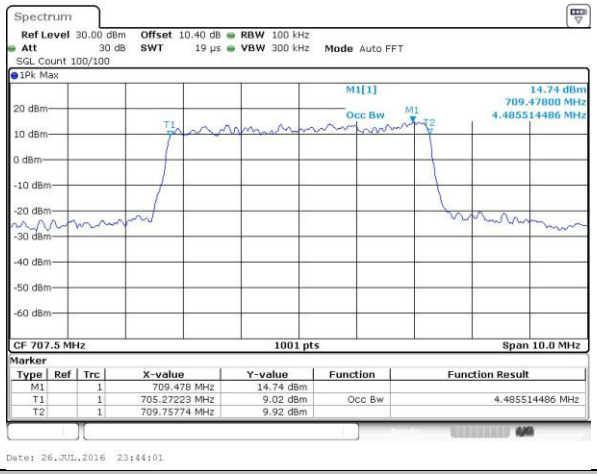
Lowest Channel / 5MHz / 16QAM



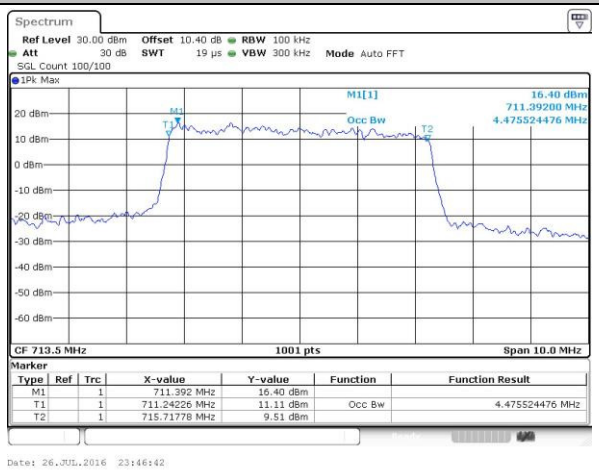
Middle Channel / 5MHz / QPSK



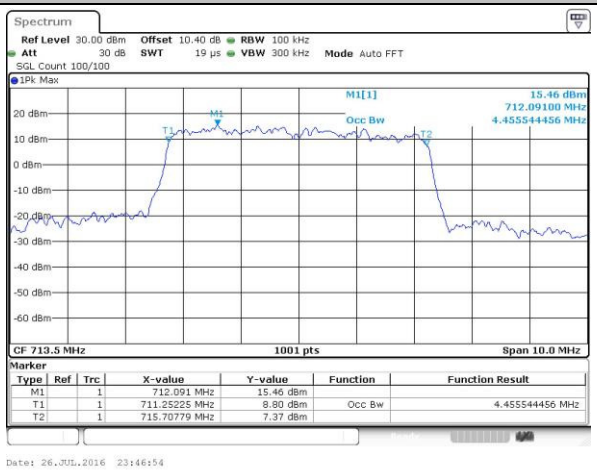
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

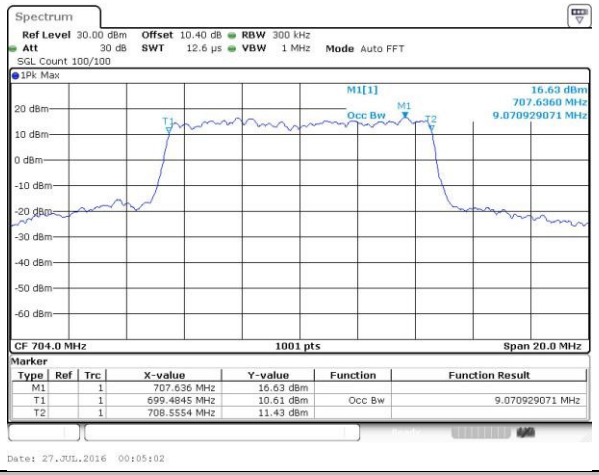


Highest Channel / 5MHz / 16QAM

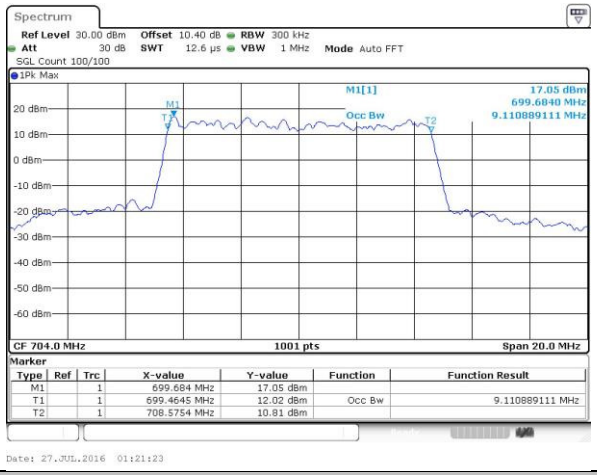


LTE Band 12

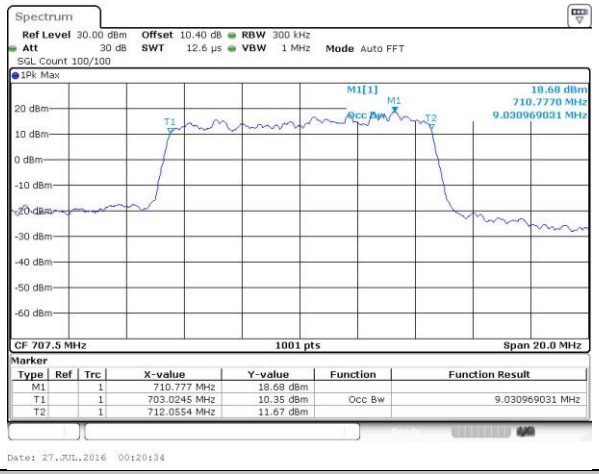
Lowest Channel / 10MHz / QPSK



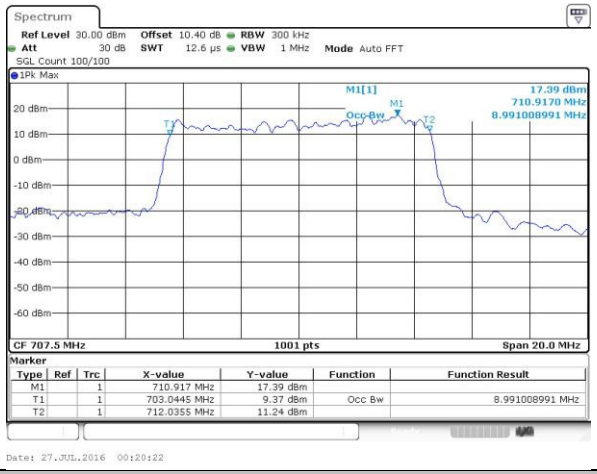
Lowest Channel / 10MHz / 16QAM



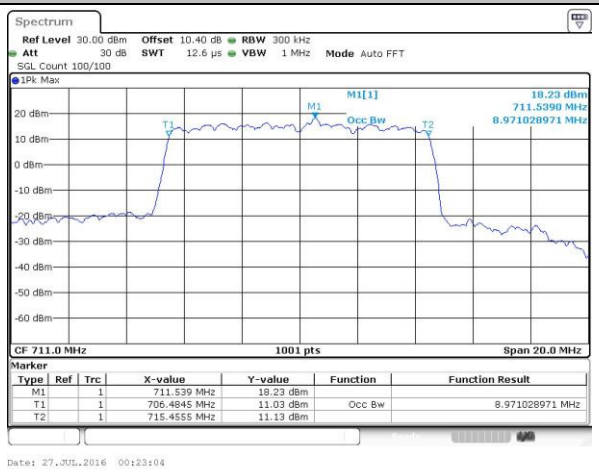
Middle Channel / 10MHz / QPSK



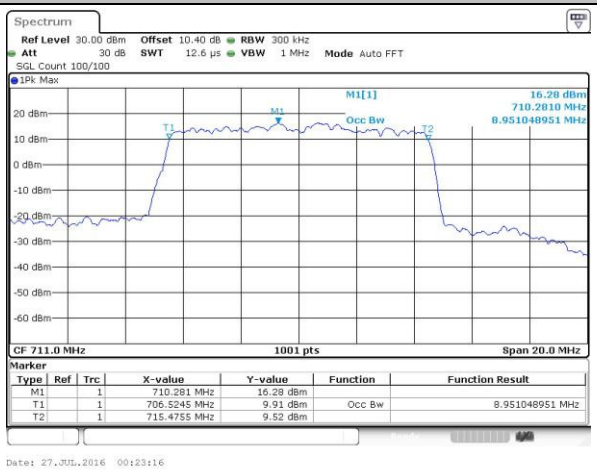
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



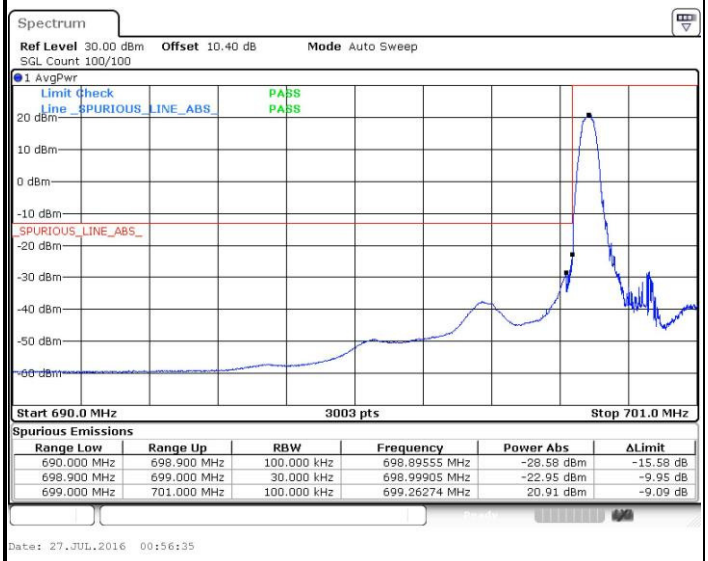
Highest Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB

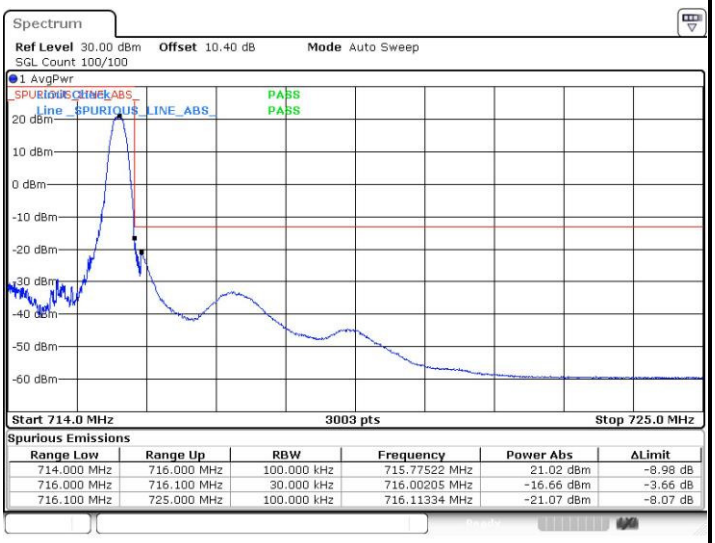


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.58 dBm	-15.58 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99905 MHz	-22.95 dBm	-9.95 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.26274 MHz	20.91 dBm	-9.09 dB

Date: 27.JUL.2016 00:56:35

Highest Band Edge / 1RB

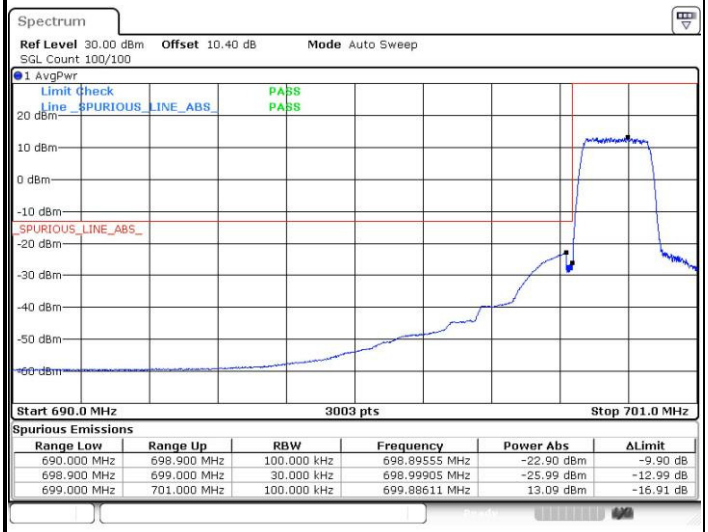


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.77522 MHz	21.02 dBm	-8.98 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00205 MHz	-16.66 dBm	-3.66 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-21.07 dBm	-8.07 dB

Date: 27.JUL.2016 01:14:35

Lowest Band Edge / Full RB

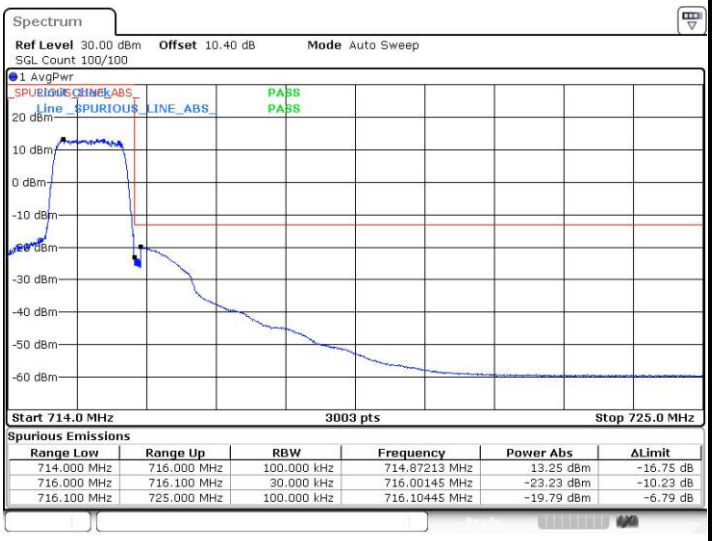


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-22.90 dBm	-9.90 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99905 MHz	-25.99 dBm	-12.99 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.88611 MHz	13.09 dBm	-16.91 dB

Date: 27.JUL.2016 00:47:06

Highest Band Edge / Full RB



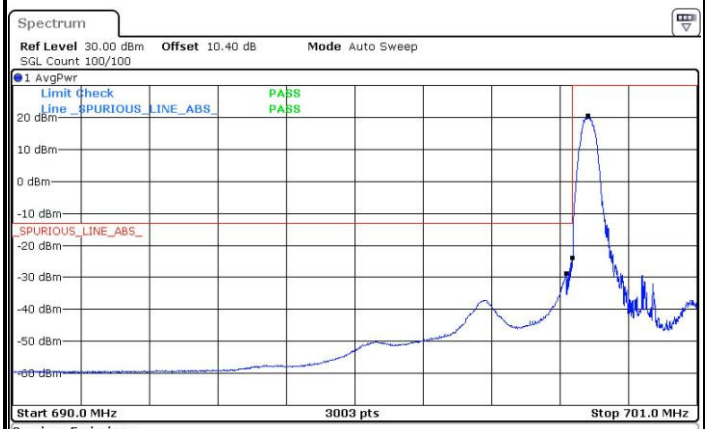
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	714.87213 MHz	13.25 dBm	-16.75 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00145 MHz	-23.23 dBm	-10.23 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-19.79 dBm	-6.79 dB

Date: 27.JUL.2016 01:05:07

LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

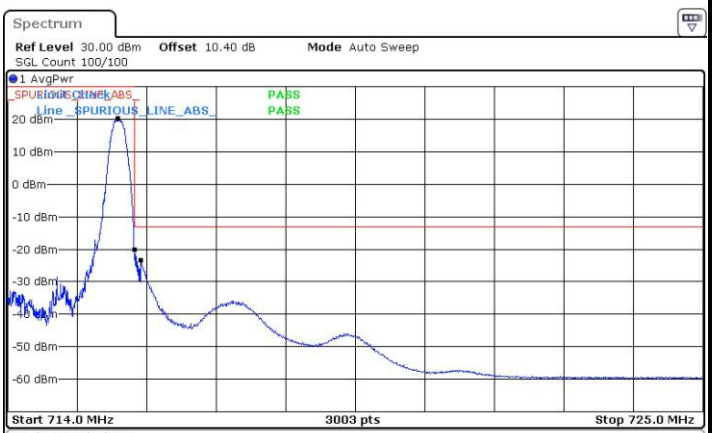


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.70 dBm	-15.70 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99775 MHz	-23.85 dBm	-10.85 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.24675 MHz	20.50 dBm	-9.50 dB

Date: 27.JUL.2016 00:53:25

Highest Band Edge / 1 RB

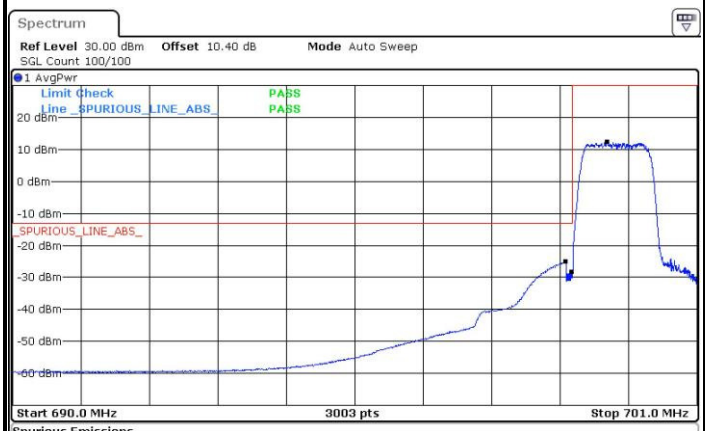


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.74725 MHz	20.22 dBm	-9.78 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00045 MHz	-20.12 dBm	-7.12 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-23.39 dBm	-10.39 dB

Date: 27.JUL.2016 01:11:26

Lowest Band Edge / Full RB

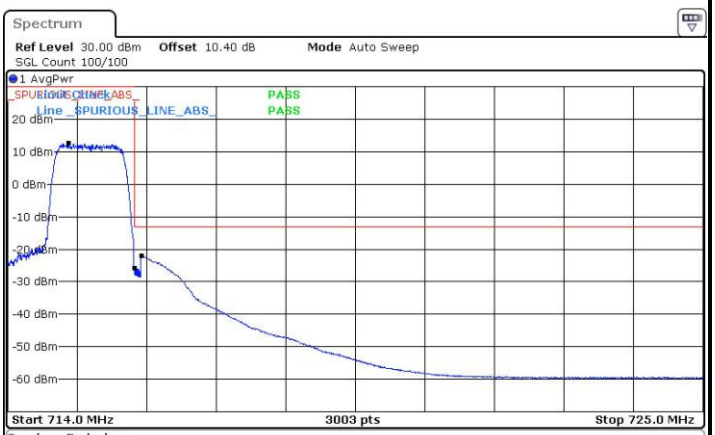


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.87777 MHz	-24.96 dBm	-11.96 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97547 MHz	-28.14 dBm	-15.14 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.55245 MHz	12.32 dBm	-17.68 dB

Date: 27.JUL.2016 00:50:16

Highest Band Edge / Full RB



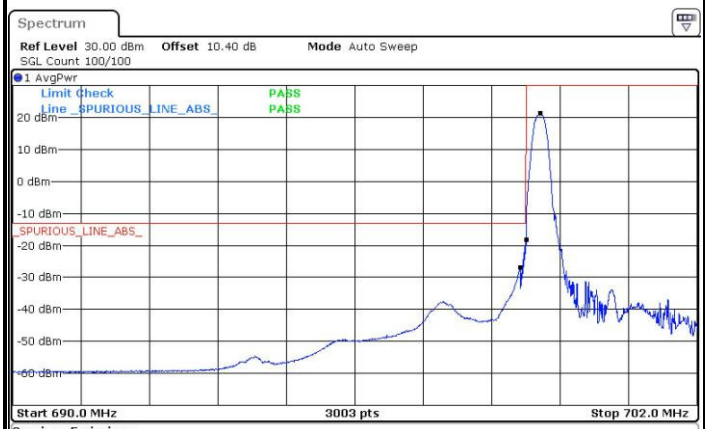
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	714.95604 MHz	12.69 dBm	-17.31 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-25.78 dBm	-12.78 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-22.15 dBm	-9.15 dB

Date: 27.JUL.2016 01:08:16

LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

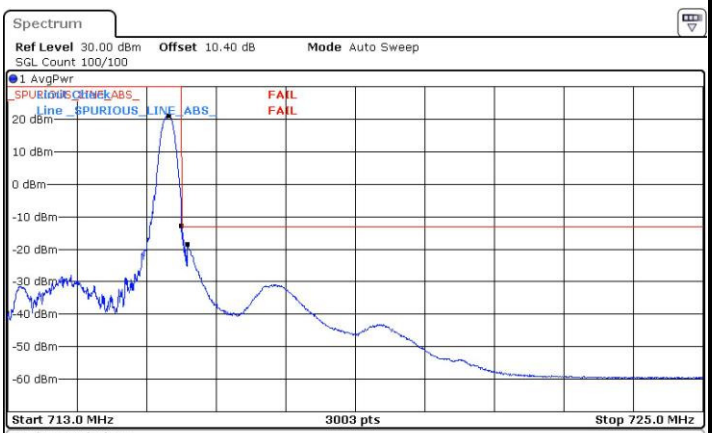


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.82 dBm	-13.82 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99955 MHz	-18.35 dBm	-5.35 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.25325 MHz	21.21 dBm	-8.79 dB

Date: 26.JUL.2016 23:08:33

Highest Band Edge / 1 RB

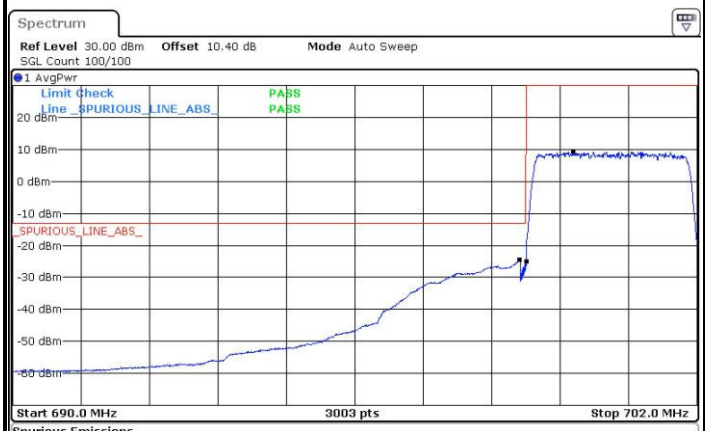


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.78272 MHz	21.18 dBm	-8.82 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00045 MHz*	-12.73 dBm*	0.27 dB*
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-18.62 dBm	-5.62 dB

Date: 26.JUL.2016 23:26:34

Lowest Band Edge / Full RB

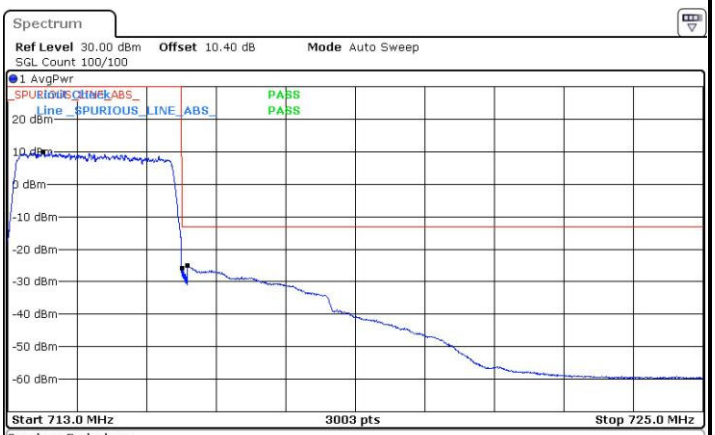


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-24.55 dBm	-11.55 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-24.91 dBm	-11.91 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.81968 MHz	9.34 dBm	-20.66 dB

Date: 26.JUL.2016 22:59:04

Highest Band Edge / Full RB



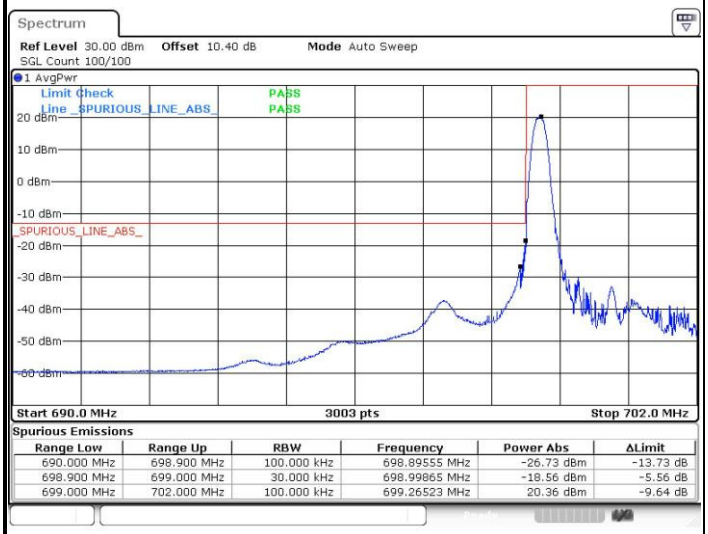
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.61289 MHz	9.85 dBm	-20.15 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-25.91 dBm	-12.91 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-25.00 dBm	-12.00 dB

Date: 26.JUL.2016 23:17:06

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

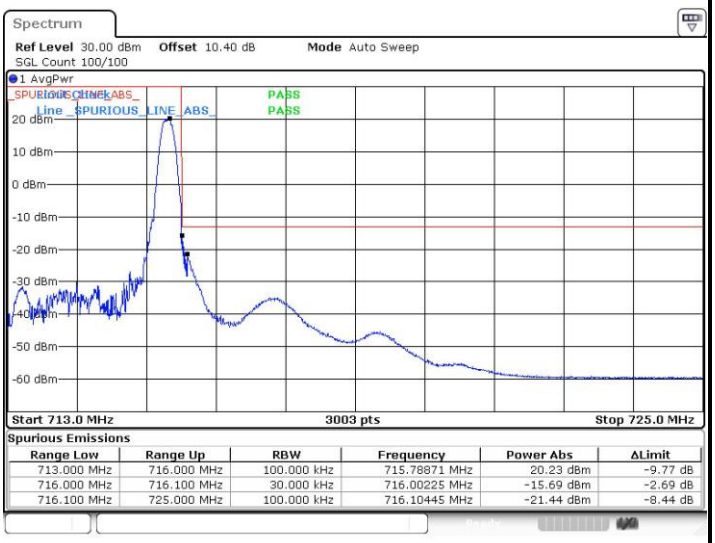


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.73 dBm	-13.73 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99865 MHz	-18.56 dBm	-5.56 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.26523 MHz	20.36 dBm	-9.64 dB

Date: 26.JUL.2016 23:05:23

Highest Band Edge / 1 RB

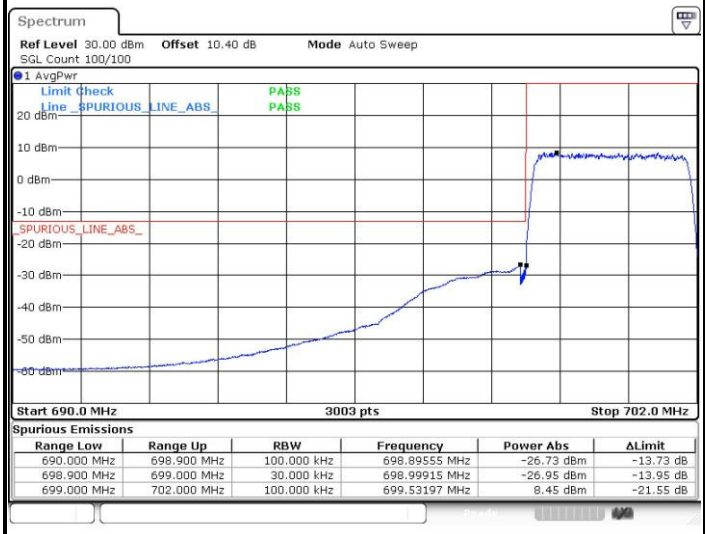


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.78871 MHz	20.23 dBm	-9.77 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00225 MHz	-15.69 dBm	-2.69 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-21.44 dBm	-8.44 dB

Date: 26.JUL.2016 23:23:25

Lowest Band Edge / Full RB

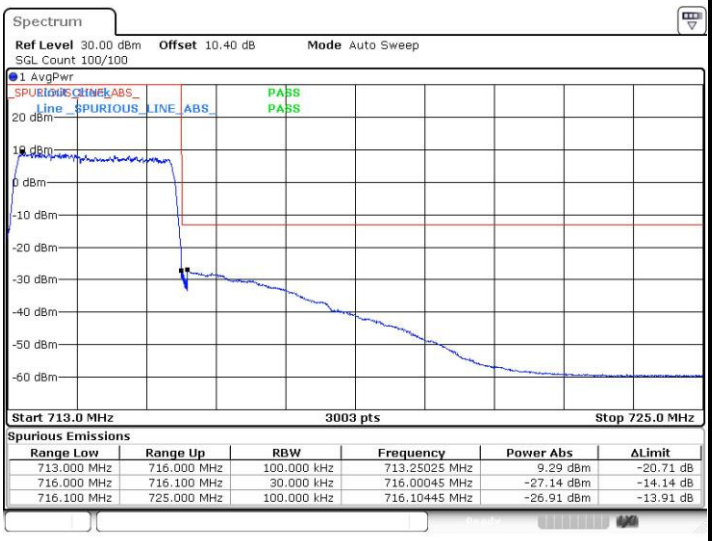


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.73 dBm	-13.73 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99915 MHz	-26.95 dBm	-13.95 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.53197 MHz	8.45 dBm	-21.55 dB

Date: 26.JUL.2016 23:02:14

Highest Band Edge / Full RB



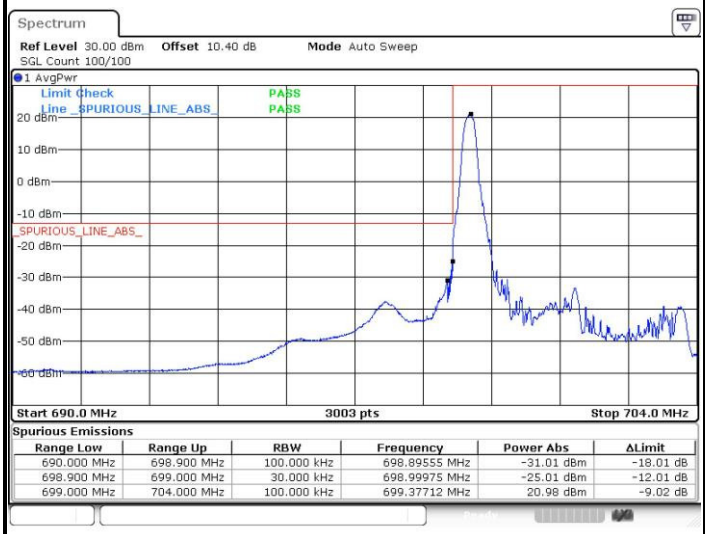
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.25025 MHz	9.29 dBm	-20.71 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00045 MHz	-27.14 dBm	-14.14 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.91 dBm	-13.91 dB

Date: 26.JUL.2016 23:20:15

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

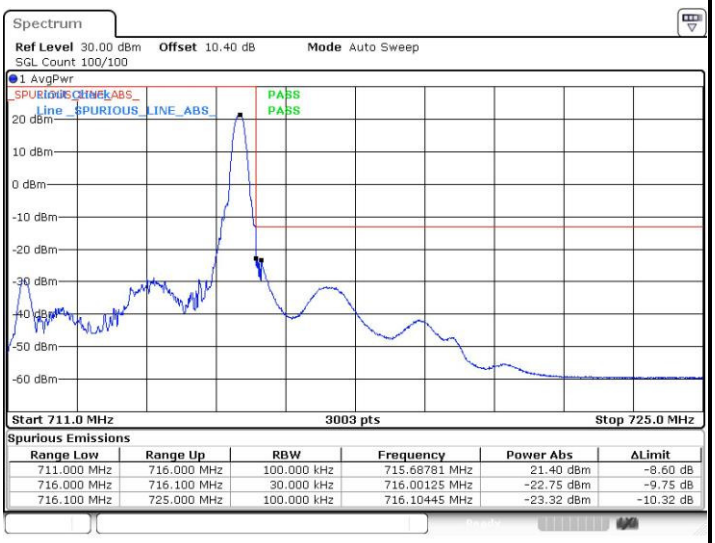


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.01 dBm	-18.01 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99975 MHz	-25.01 dBm	-12.01 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.37712 MHz	20.98 dBm	-9.02 dB

Date: 26.JUL.2016 23:41:54

Highest Band Edge / 1 RB

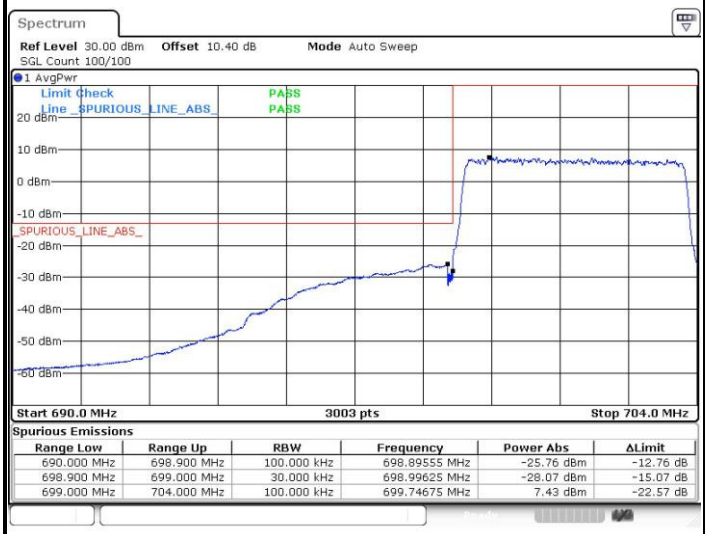


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.68781 MHz	21.40 dBm	-8.60 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00125 MHz	-22.75 dBm	-9.75 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-23.32 dBm	-10.32 dB

Date: 26.JUL.2016 23:56:46

Lowest Band Edge / Full RB

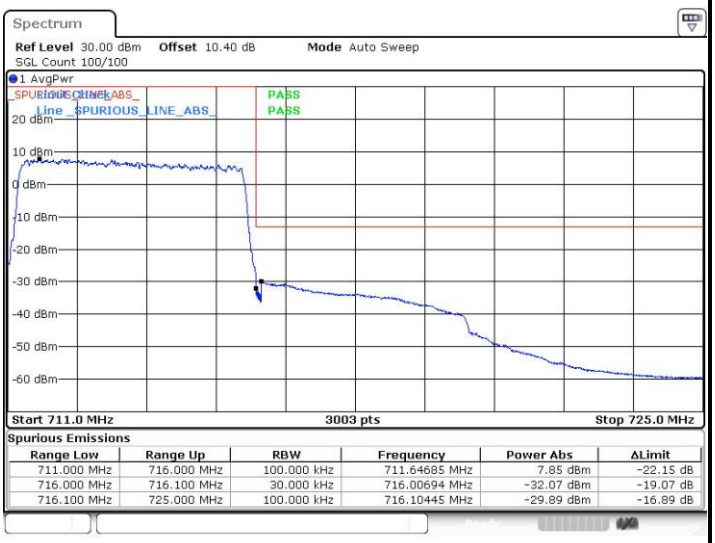


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.76 dBm	-12.76 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99625 MHz	-28.07 dBm	-15.07 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.74675 MHz	7.43 dBm	-22.57 dB

Date: 26.JUL.2016 23:32:26

Highest Band Edge / Full RB



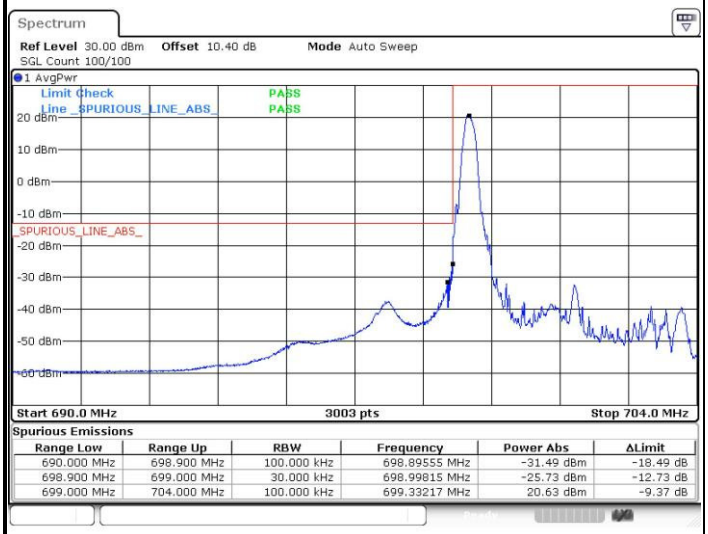
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	711.64685 MHz	7.85 dBm	-22.15 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00694 MHz	-32.07 dBm	-19.07 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-29.89 dBm	-16.89 dB

Date: 26.JUL.2016 23:50:27

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

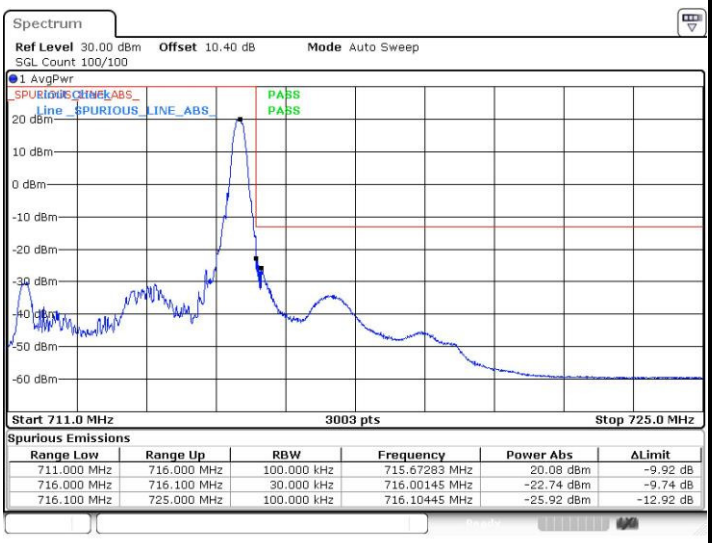


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.49 dBm	-18.49 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99815 MHz	-25.73 dBm	-12.73 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33217 MHz	20.63 dBm	-9.37 dB

Date: 26.JUL.2016 23:38:45

Highest Band Edge / 1 RB

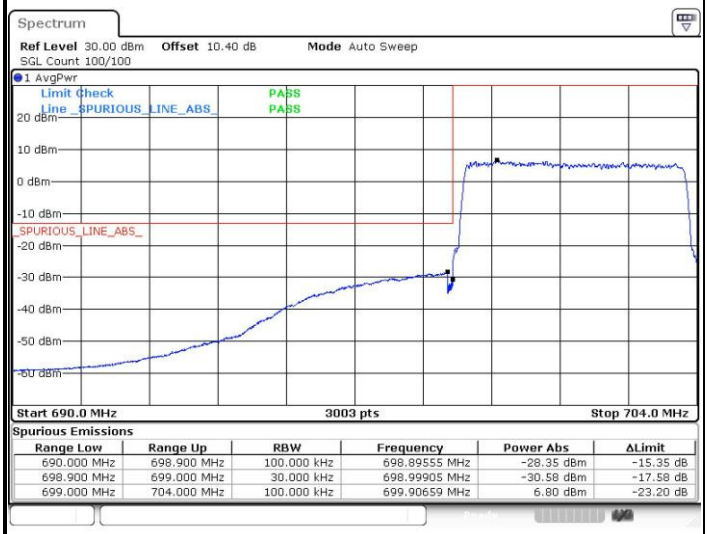


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.67283 MHz	20.08 dBm	-9.92 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00145 MHz	-22.74 dBm	-9.74 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-25.92 dBm	-12.92 dB

Date: 26.JUL.2016 23:59:55

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	-28.35 dBm	-15.35 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99905 MHz	-30.58 dBm	-17.58 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.90659 MHz	6.80 dBm	-23.20 dB

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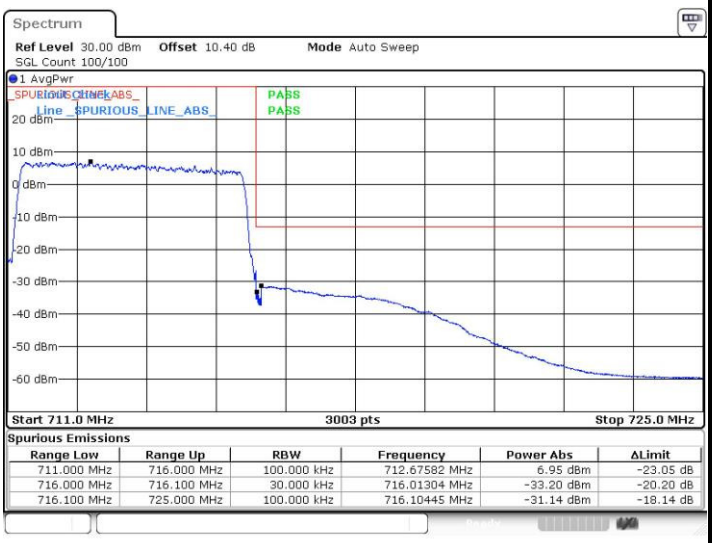
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.67582 MHz	6.95 dBm	-23.05 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01304 MHz	-33.20 dBm	-20.20 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.14 dBm	-18.14 dB

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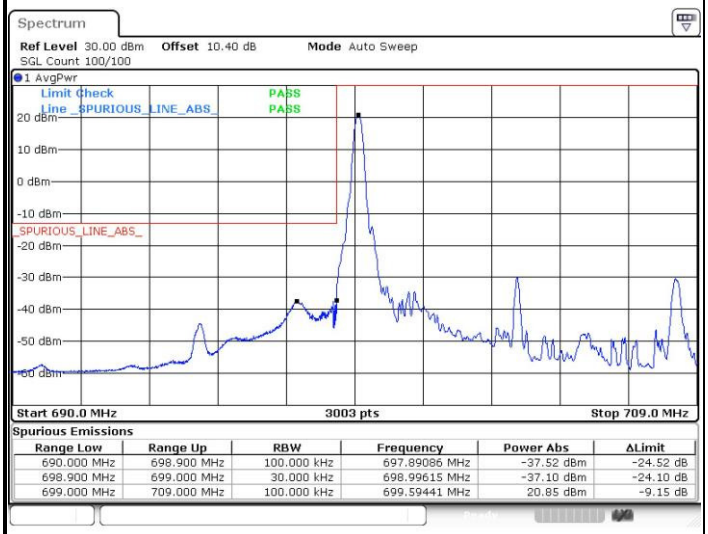
LTE Band 12 / 10MHz / QPSK

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	697.89086 MHz	-37.52 dBm	-24.52 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99615 MHz	-37.10 dBm	-24.10 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.59441 MHz	20.85 dBm	-9.15 dB

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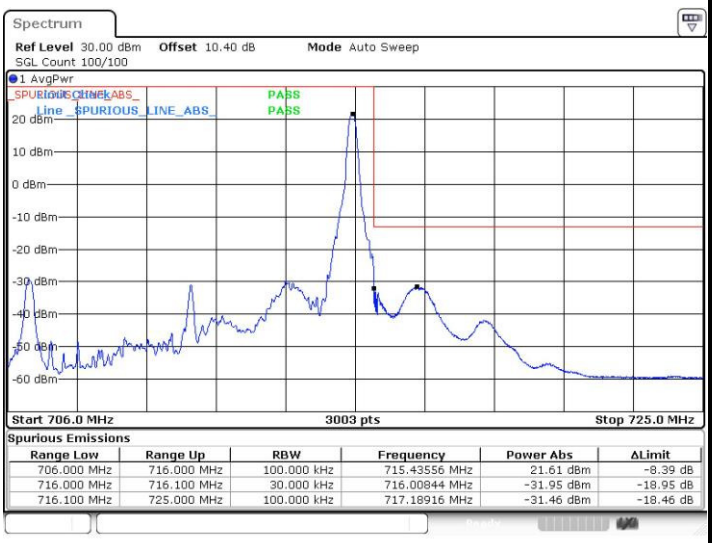
Highest Band Edge / 1 RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.43556 MHz	21.61 dBm	-8.39 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00844 MHz	-31.95 dBm	-18.95 dB
716.100 MHz	725.000 MHz	100.000 kHz	717.18916 MHz	-31.46 dBm	-18.46 dB

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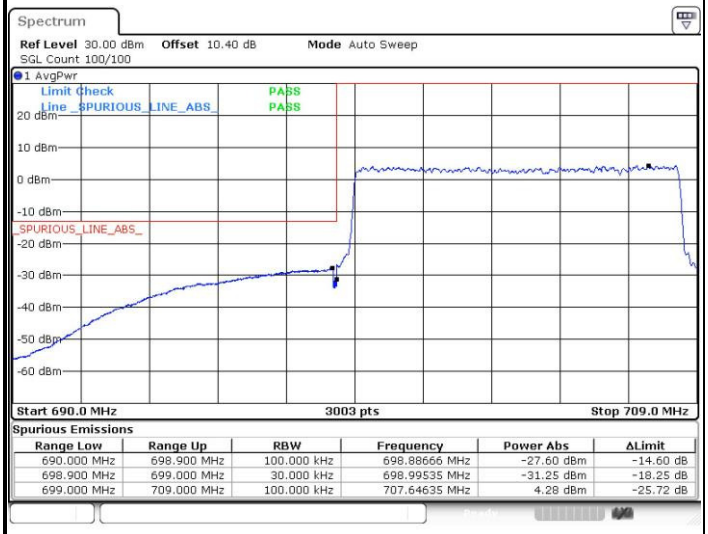
Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-27.60 dBm	-14.60 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99535 MHz	-31.25 dBm	-18.25 dB
699.000 MHz	709.000 MHz	100.000 kHz	707.64635 MHz	4.28 dBm	-25.72 dB

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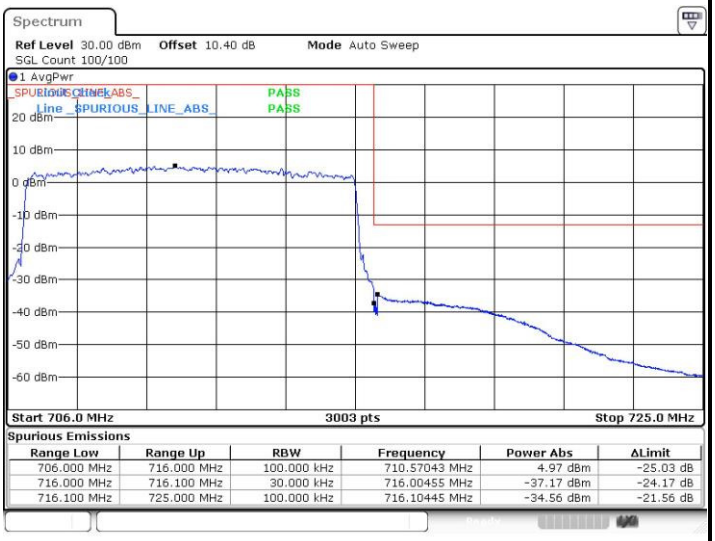
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	710.57043 MHz	4.97 dBm	-25.03 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00455 MHz	-37.17 dBm	-24.17 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-34.56 dBm	-21.56 dB

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