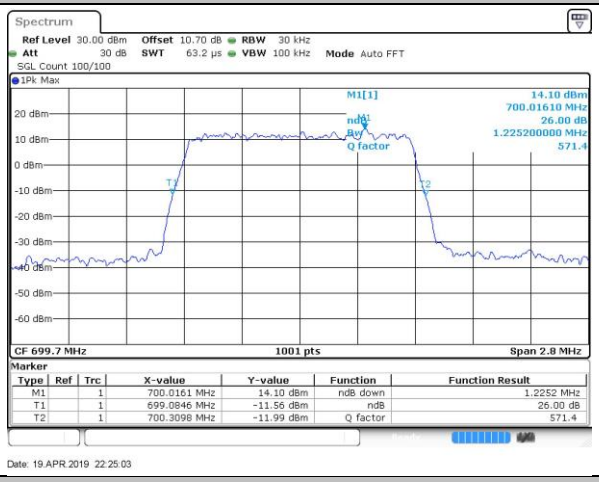
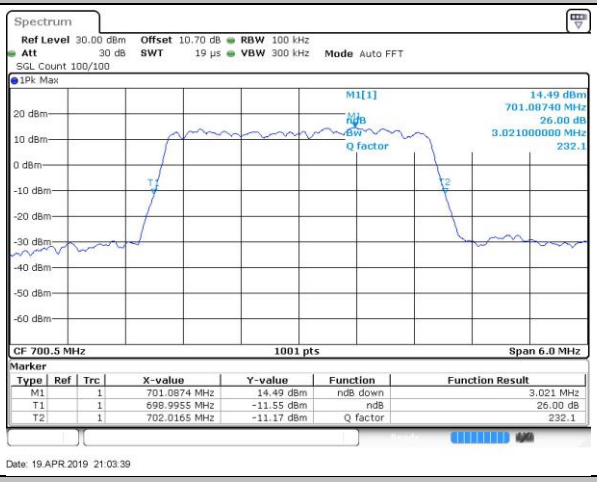
LTE Band 12

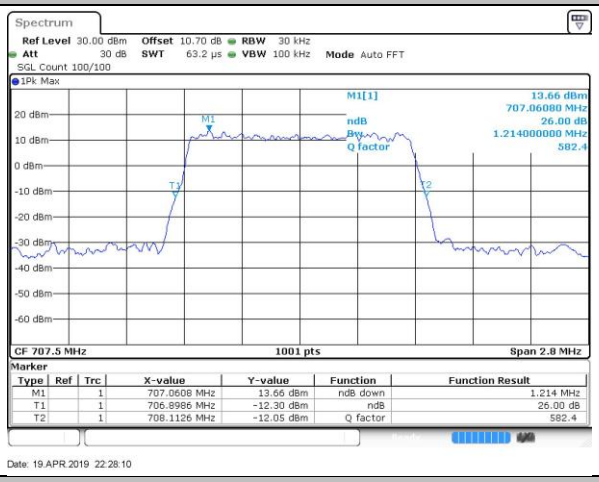
Lowest Channel / 1.4MHz / 64QAM



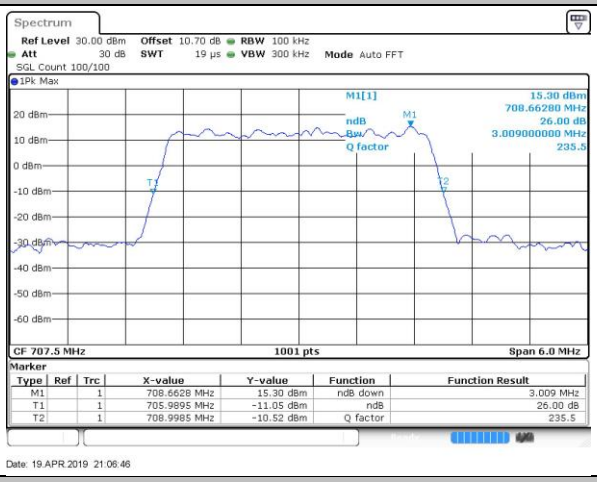
Lowest Channel / 3MHz / 64QAM



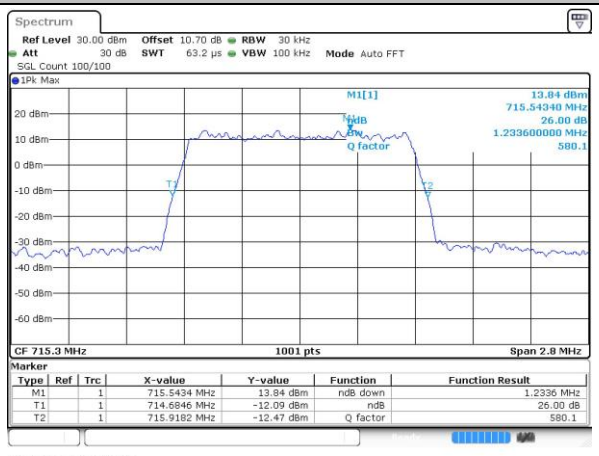
Middle Channel / 1.4MHz / 64QAM



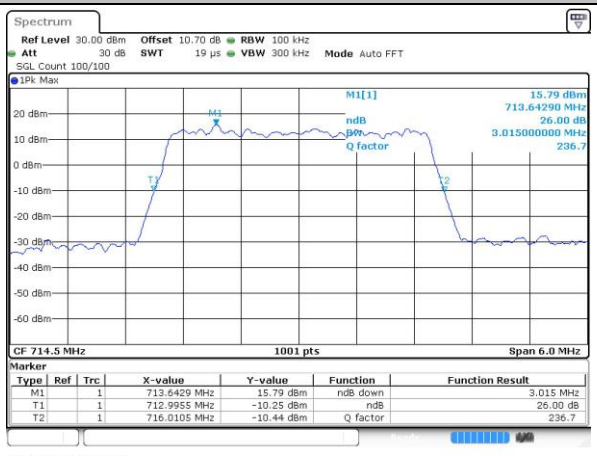
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

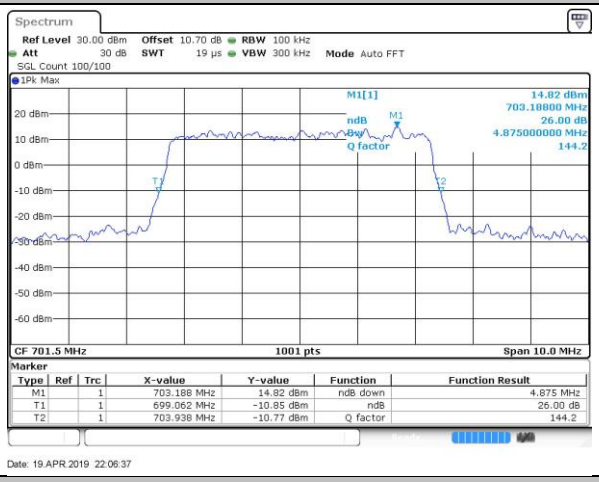


Highest Channel / 3MHz / 64QAM

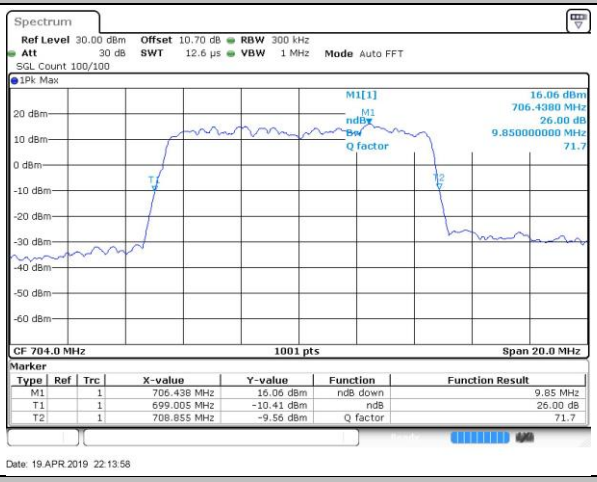


LTE Band 12

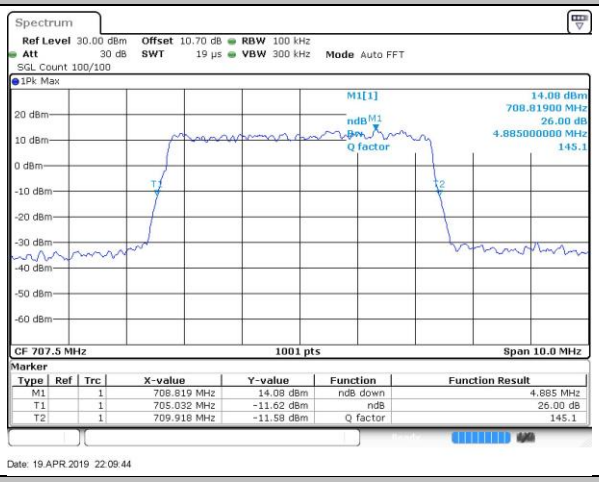
Lowest Channel / 5MHz / 64QAM



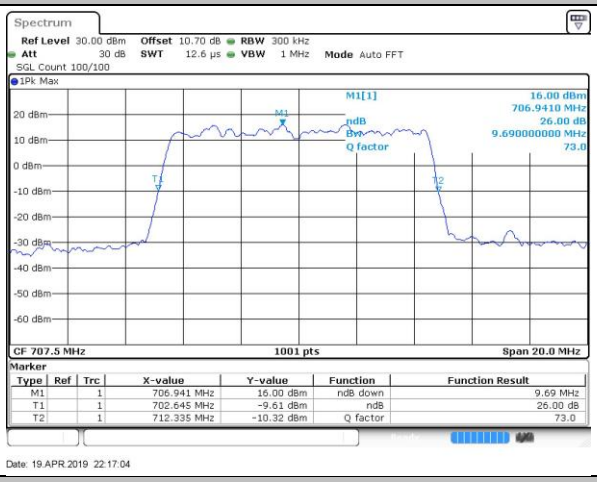
Lowest Channel / 10MHz / 64QAM



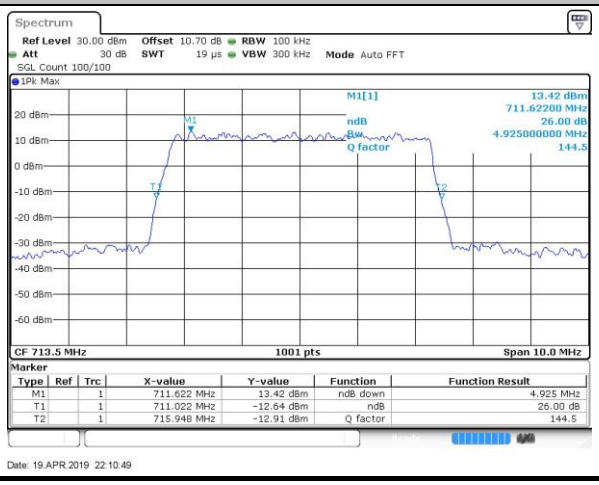
Middle Channel / 5MHz / 64QAM



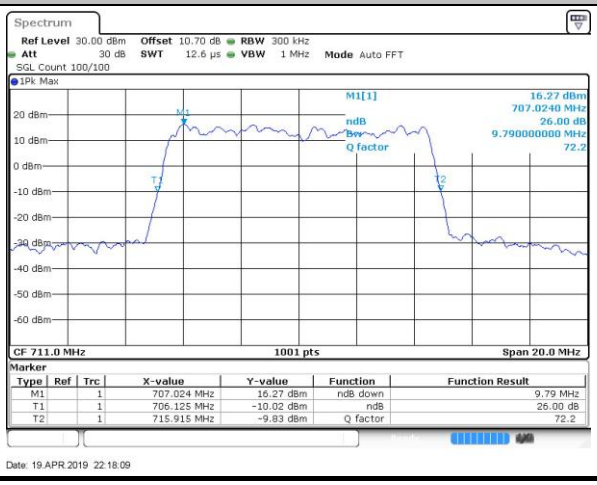
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



Highest Channel / 10MHz / 64QAM

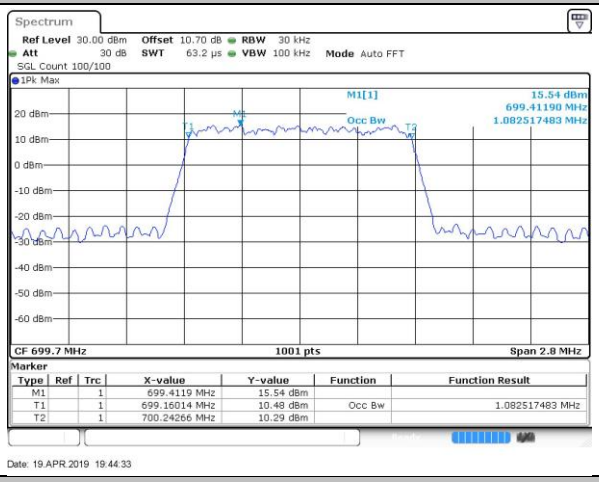


Occupied Bandwidth

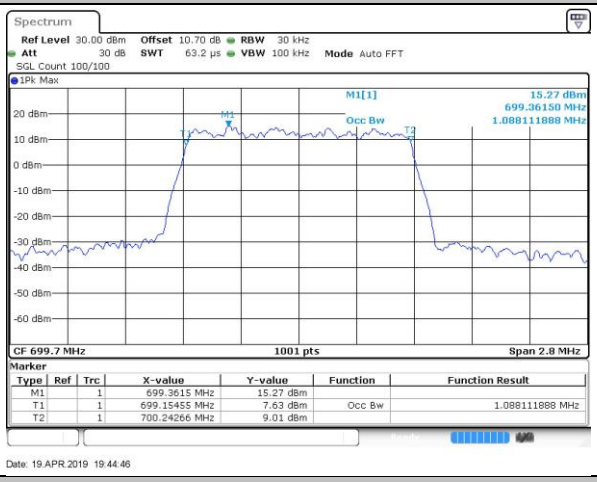
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.08	1.09	2.72	2.72	4.48	4.50	9.03	8.97	-	-	-	-
Middle CH	1.10	1.09	2.72	2.71	4.48	4.51	8.97	8.95	-	-	-	-
Highest CH	1.09	1.09	2.75	2.73	4.49	4.49	9.01	8.95	-	-	-	-
Mode	LTE Band 12 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM		64QAM		64QAM		64QAM		64QAM		64QAM	
Lowest CH	1.09	-	2.72	-	4.50	-	9.07	-	-	-	-	-
Middle CH	1.09	-	2.72	-	4.50	-	8.99	-	-	-	-	-
Highest CH	1.09	-	2.74	-	4.50	-	9.03	-	-	-	-	-

LTE Band 12

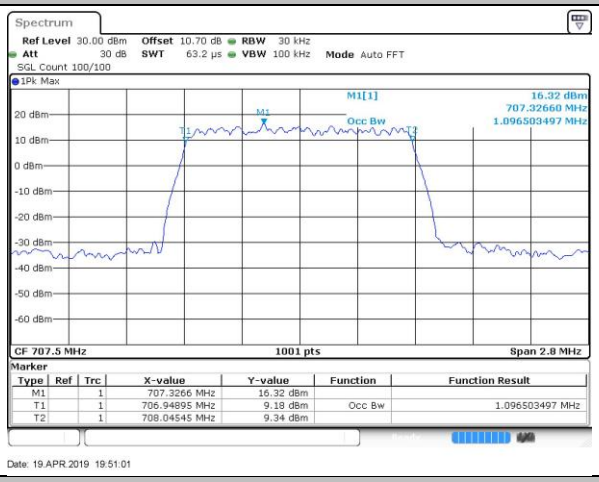
Lowest Channel / 1.4MHz / QPSK



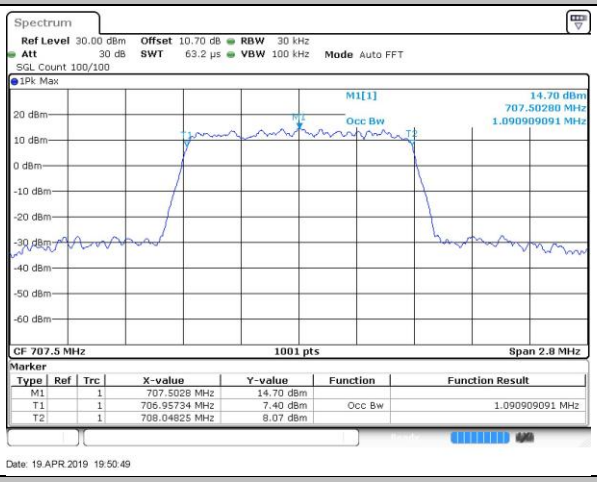
Lowest Channel / 1.4MHz / 16QAM



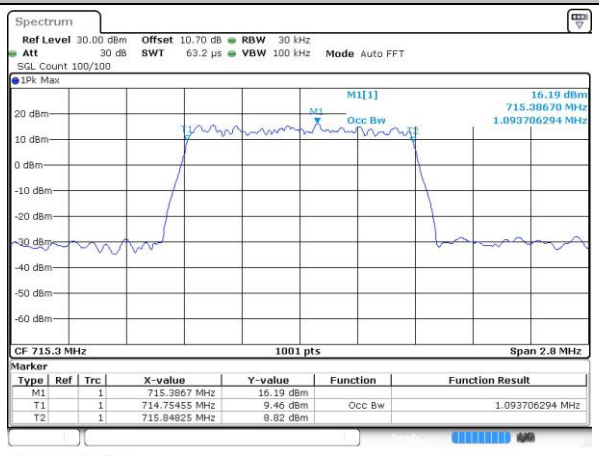
Middle Channel / 1.4MHz / QPSK



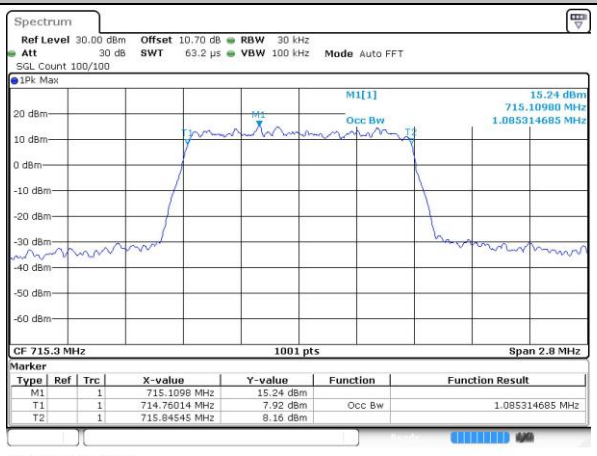
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

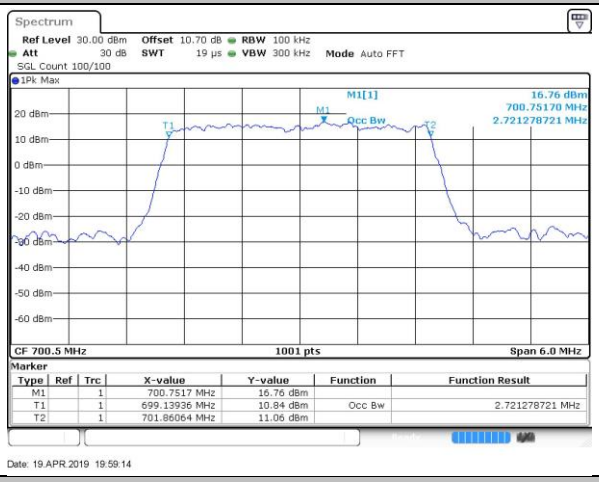


Highest Channel / 1.4MHz / 16QAM

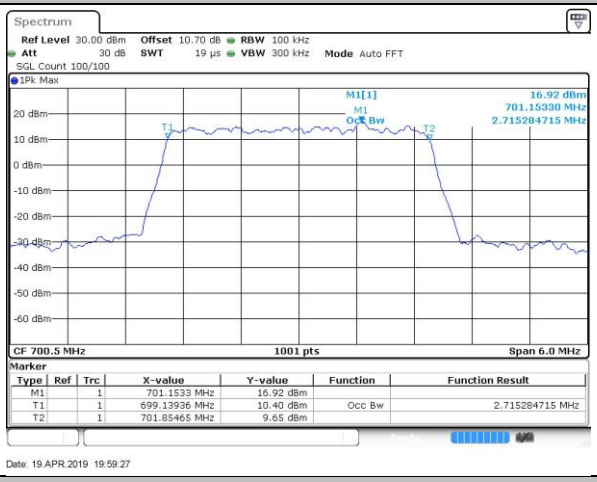


LTE Band 12

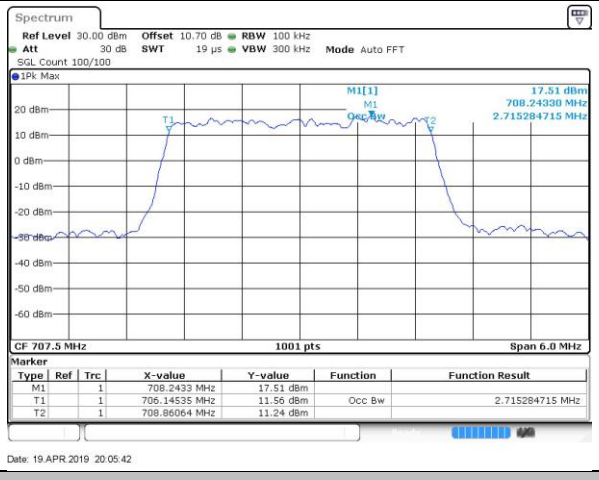
Lowest Channel / 3MHz / QPSK



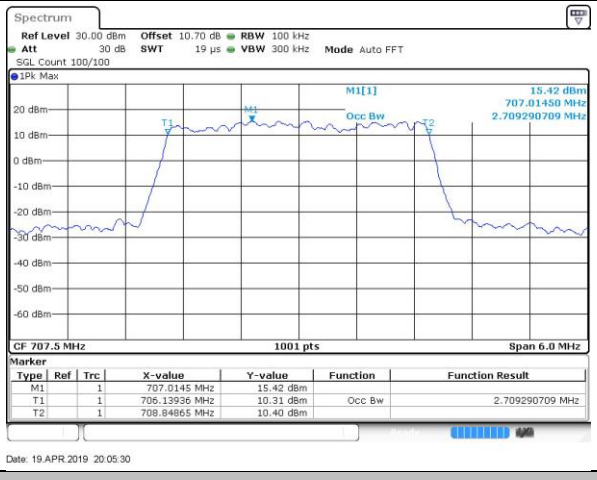
Lowest Channel / 3MHz / 16QAM



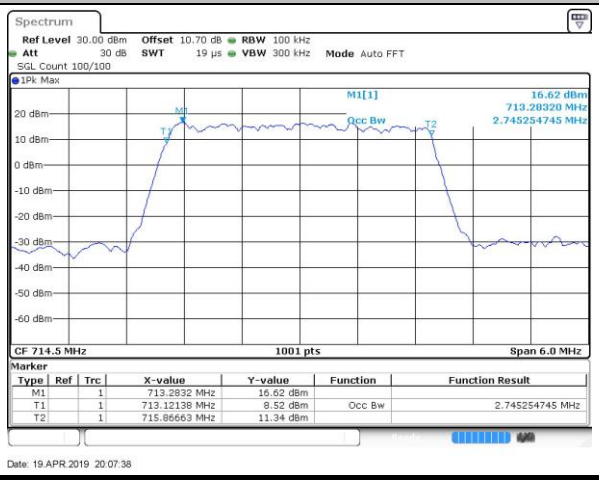
Middle Channel / 3MHz / QPSK



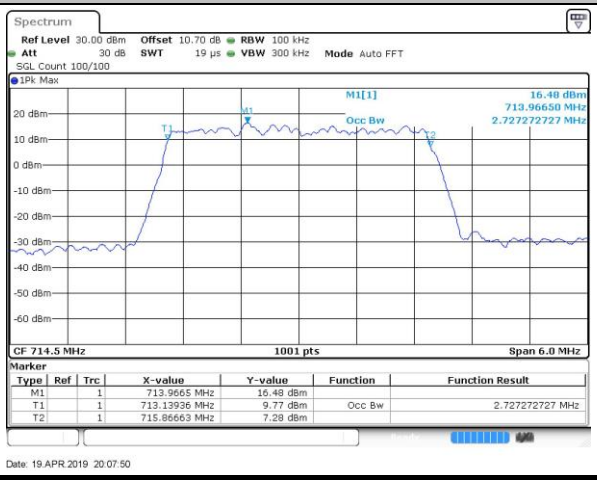
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

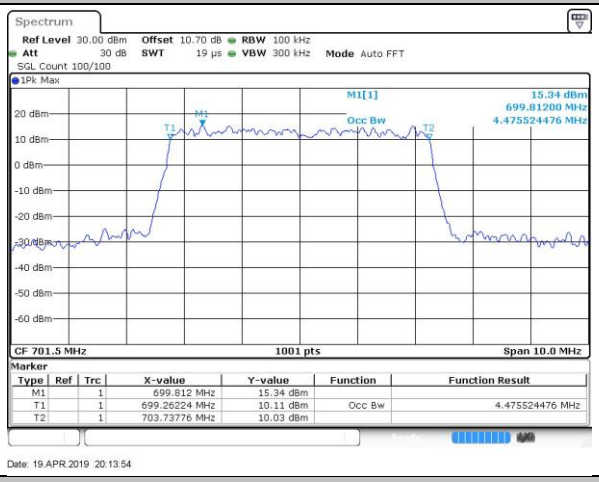


Highest Channel / 3MHz / 16QAM

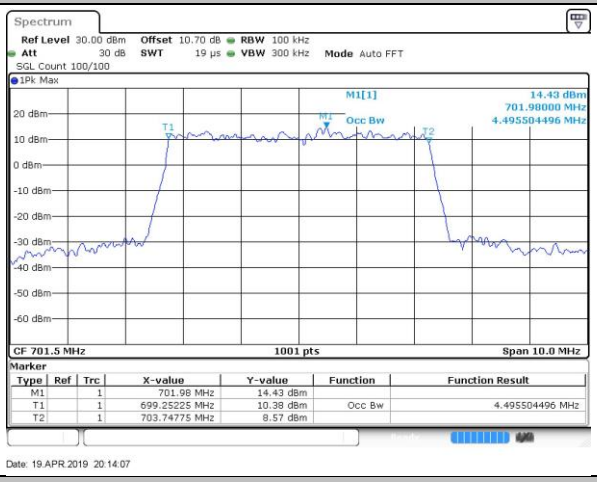


LTE Band 12

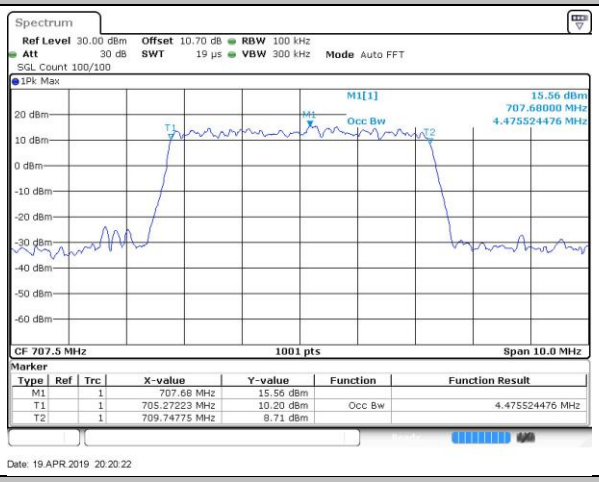
Lowest Channel / 5MHz / QPSK



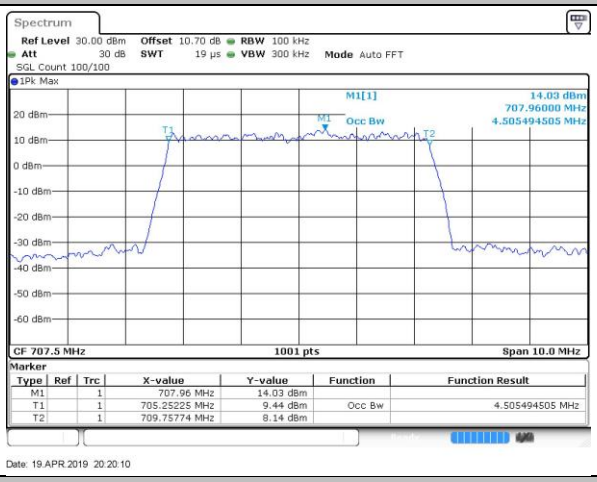
Lowest Channel / 5MHz / 16QAM



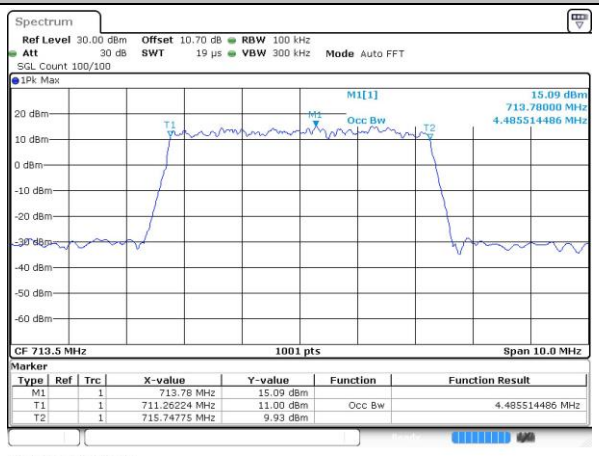
Middle Channel / 5MHz / QPSK



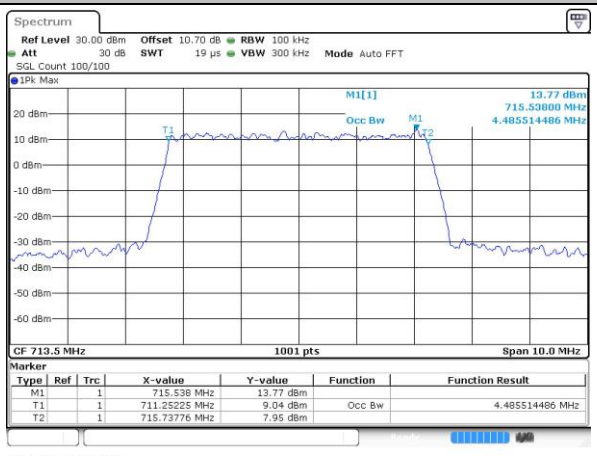
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

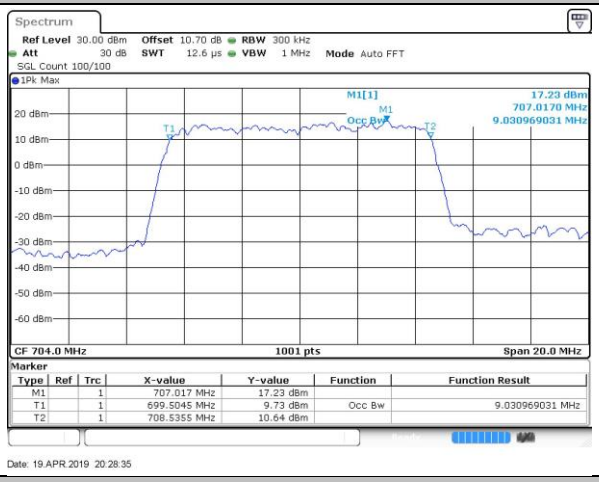


Highest Channel / 5MHz / 16QAM

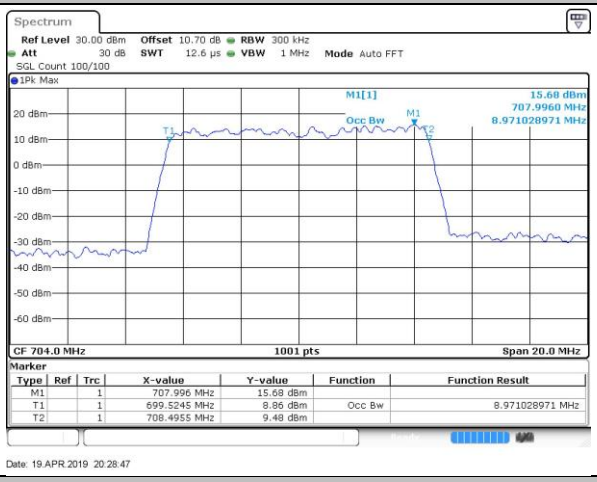


LTE Band 12

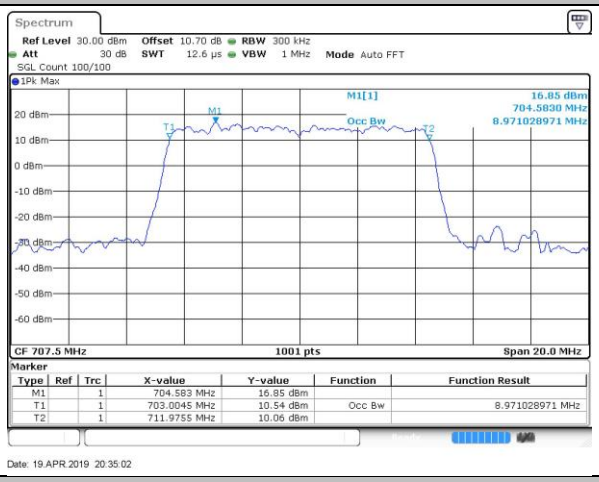
Lowest Channel / 10MHz / QPSK



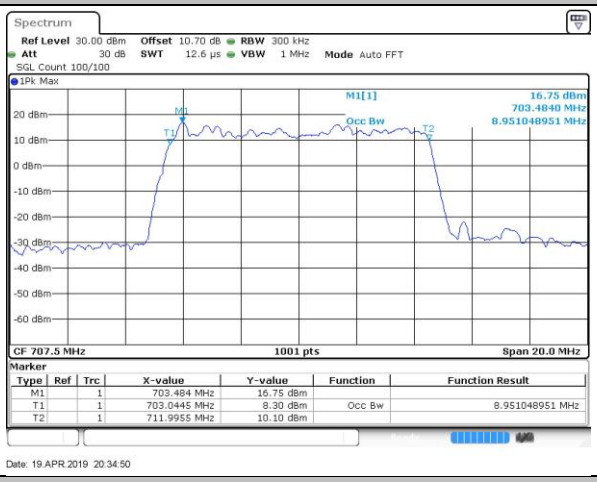
Lowest Channel / 10MHz / 16QAM



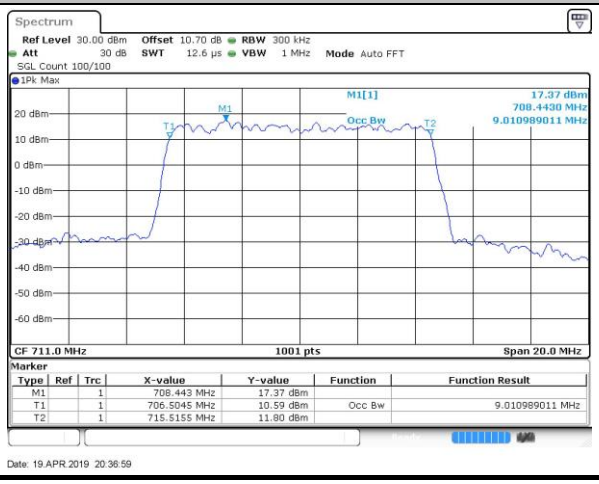
Middle Channel / 10MHz / QPSK



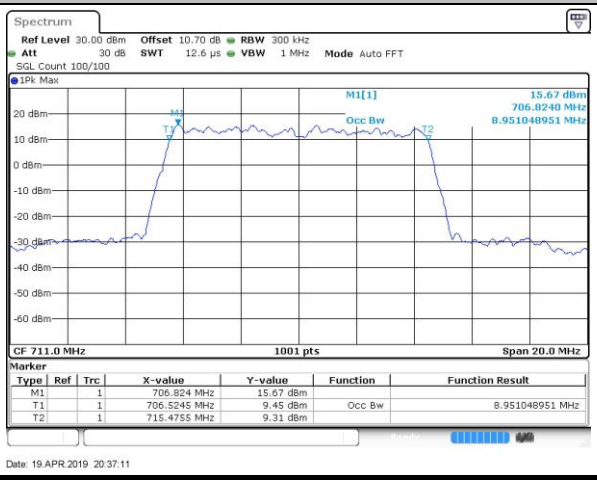
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

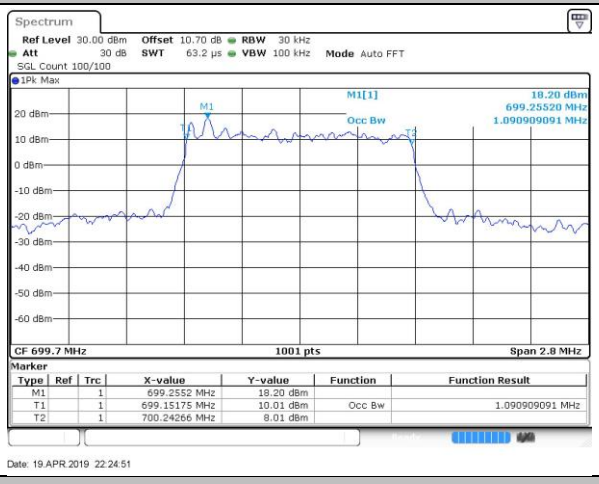


Highest Channel / 10MHz / 16QAM

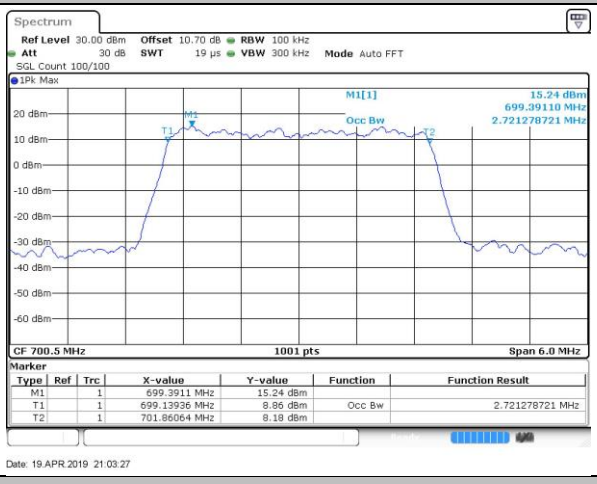


LTE Band 12

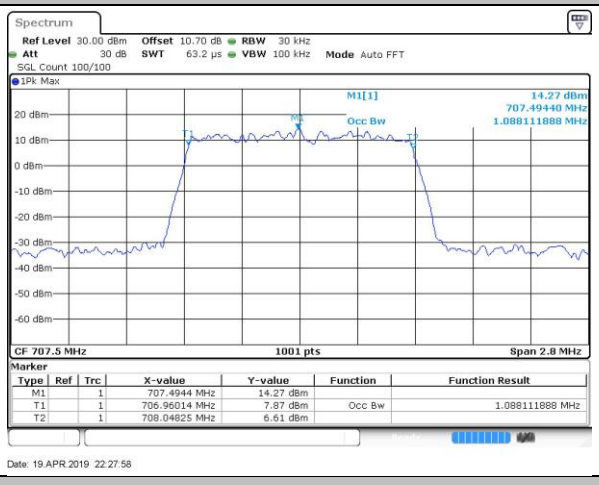
Lowest Channel / 1.4MHz / 64QAM



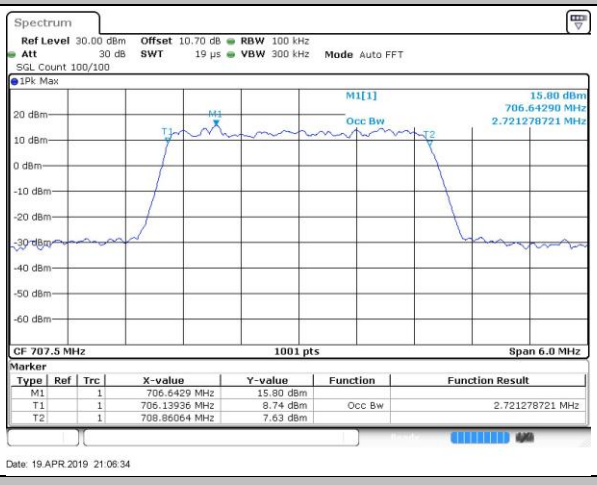
Lowest Channel / 3MHz / 64QAM



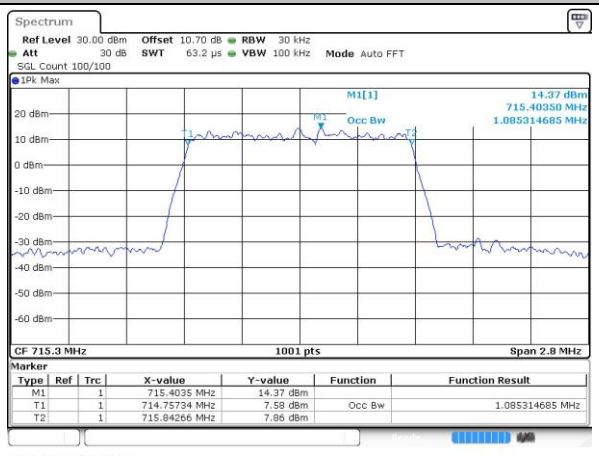
Middle Channel / 1.4MHz / 64QAM



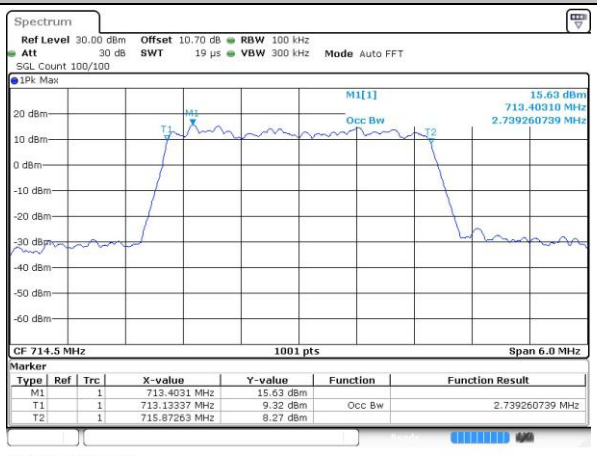
Middle Channel / 3MHz / 64QAM



Highest Channel / 1.4MHz / 64QAM

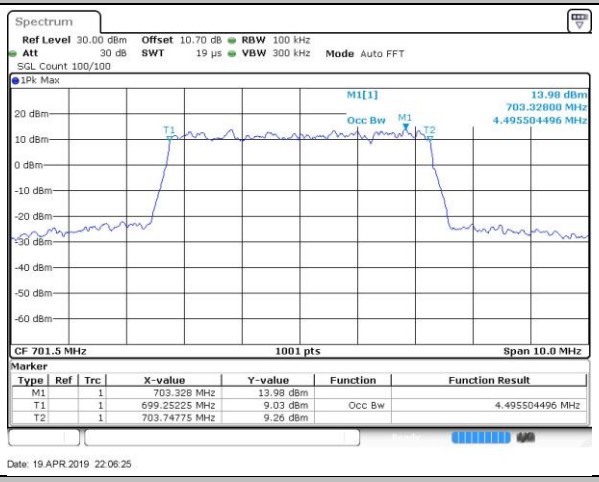


Highest Channel / 3MHz / 64QAM

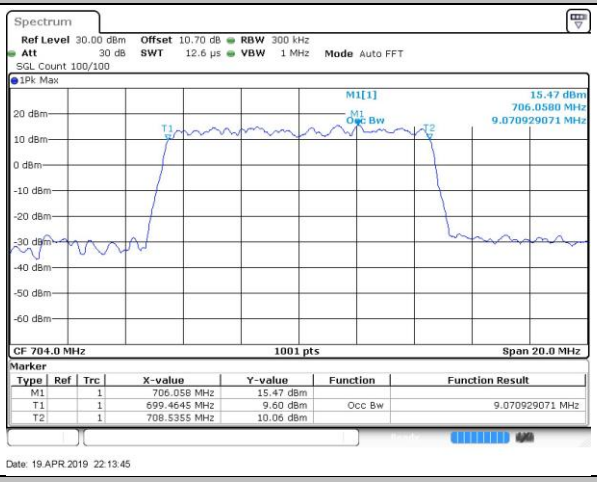


LTE Band 12

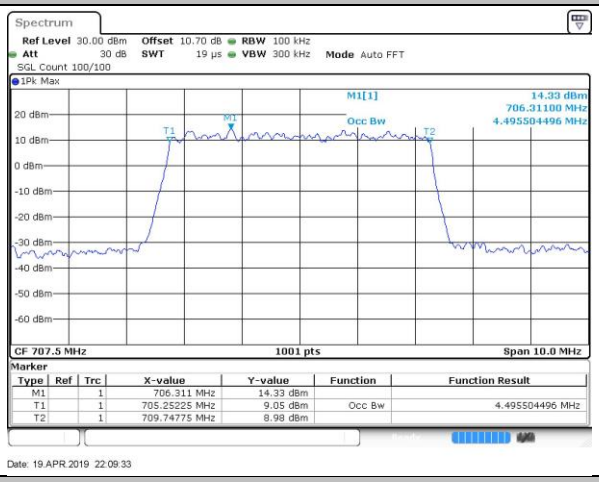
Lowest Channel / 5MHz / 64QAM



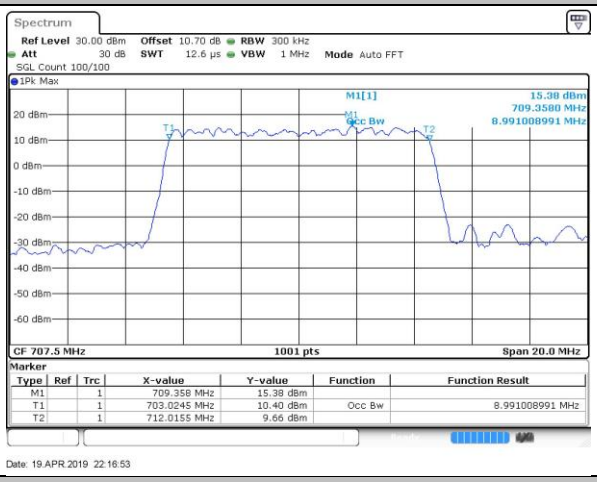
Lowest Channel / 10MHz / 64QAM



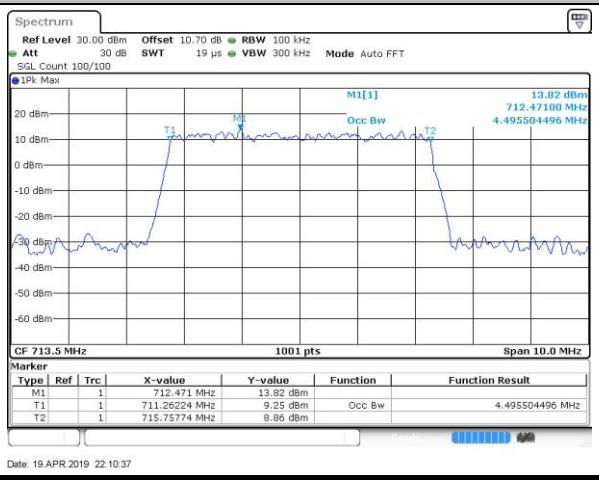
Middle Channel / 5MHz / 64QAM



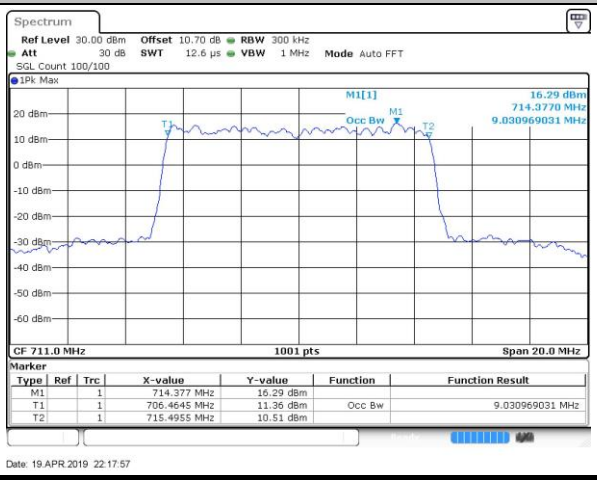
Middle Channel / 10MHz / 64QAM



Highest Channel / 5MHz / 64QAM



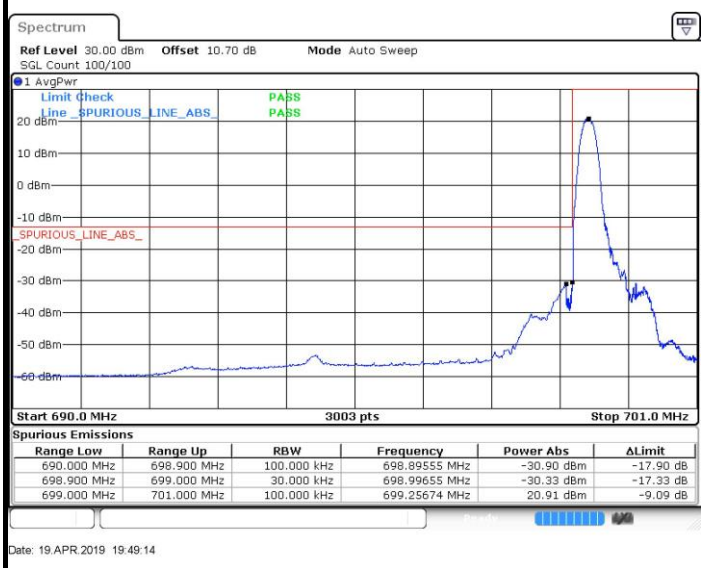
Highest Channel / 10MHz / 64QAM



Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB

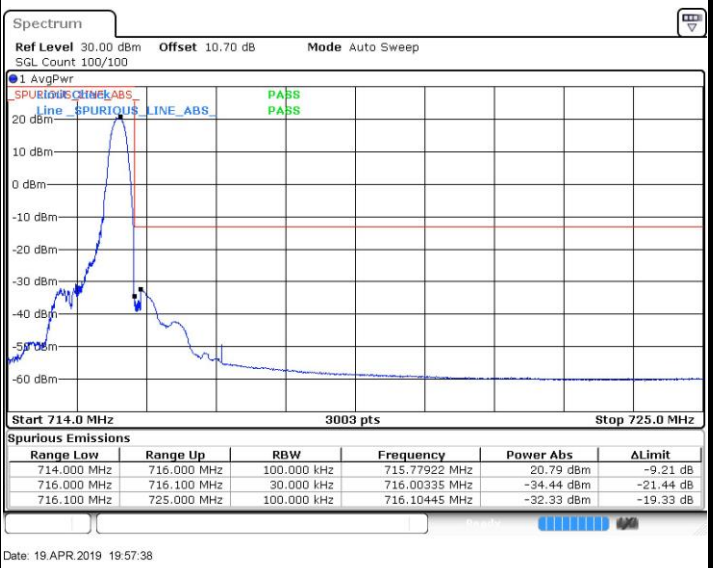


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.90 dBm	-17.90 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99655 MHz	-30.33 dBm	-17.33 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.25674 MHz	20.91 dBm	-9.09 dB

Date: 19.APR.2019 19:49:14

Highest Band Edge / 1RB

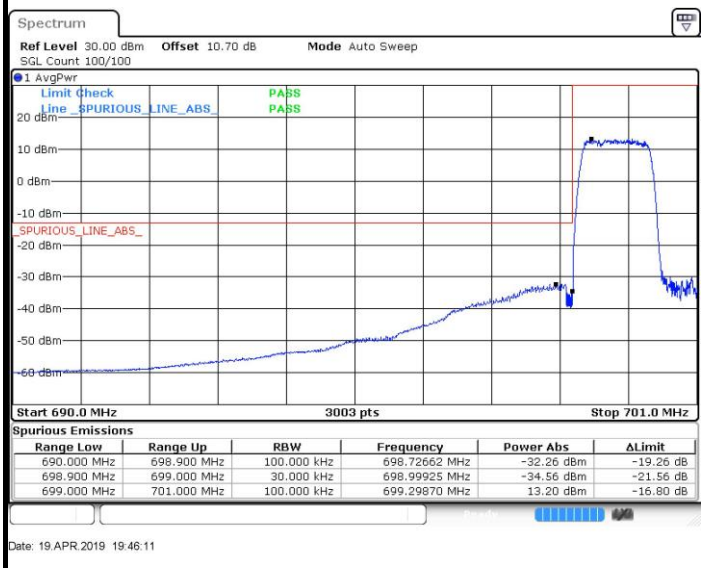


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.77922 MHz	20.79 dBm	-9.21 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00335 MHz	-34.44 dBm	-21.44 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-32.33 dBm	-19.33 dB

Date: 19.APR.2019 19:57:38

Lowest Band Edge / Full RB

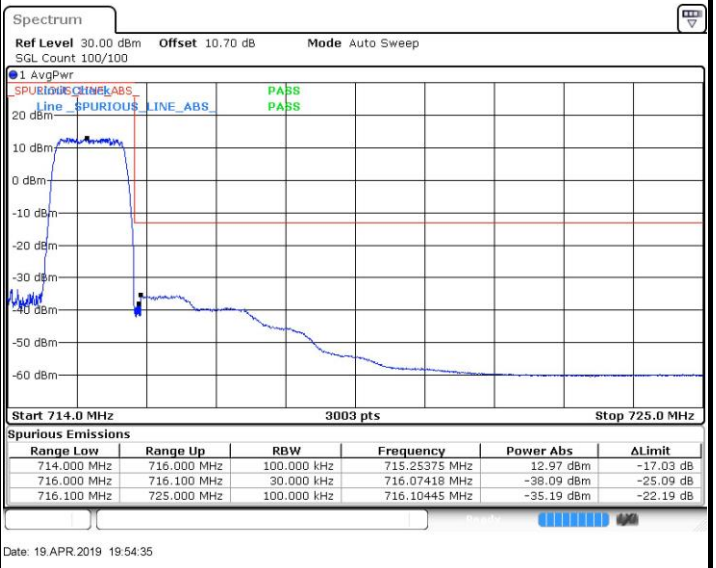


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.72662 MHz	-32.26 dBm	-19.26 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99925 MHz	-34.56 dBm	-21.56 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.29870 MHz	13.20 dBm	-16.80 dB

Date: 19.APR.2019 19:46:11

Highest Band Edge / Full RB



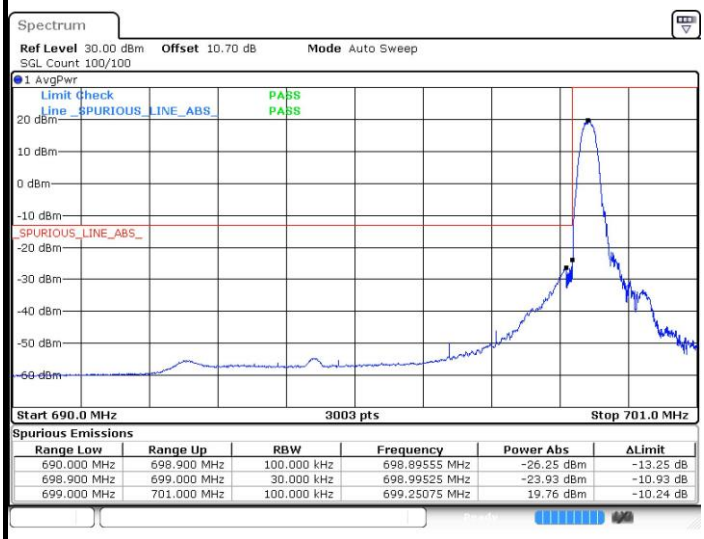
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.25375 MHz	12.97 dBm	-17.03 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.07418 MHz	-38.09 dBm	-25.09 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.19 dBm	-22.19 dB

Date: 19.APR.2019 19:54:35

LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

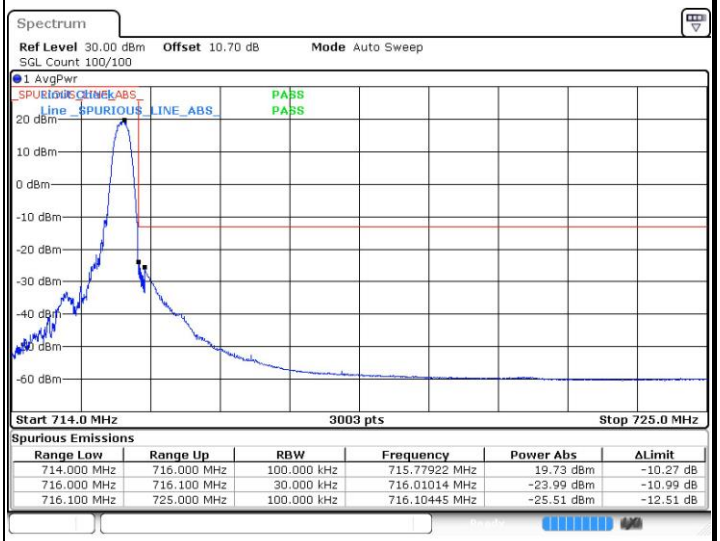


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.25 dBm	-13.25 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99525 MHz	-23.93 dBm	-10.93 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.25075 MHz	19.76 dBm	-10.24 dB

Date: 19.APR.2019 19:48:13

Highest Band Edge / 1 RB

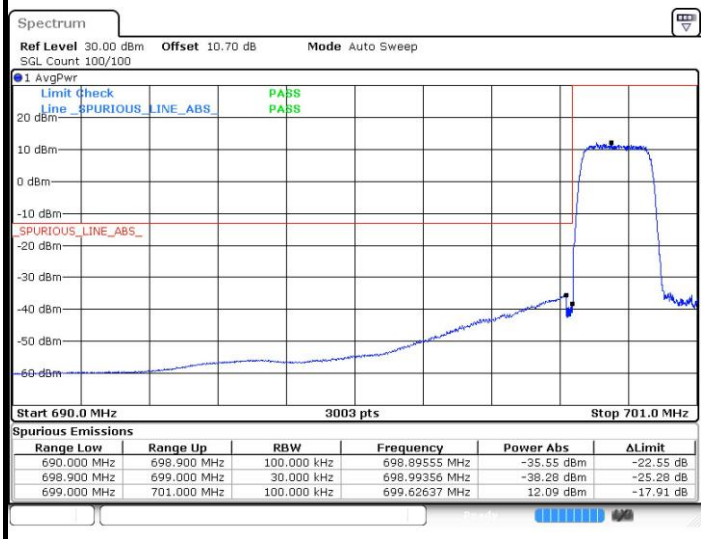


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.77922 MHz	19.73 dBm	-10.27 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01014 MHz	-23.99 dBm	-10.99 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-25.51 dBm	-12.51 dB

Date: 19.APR.2019 19:56:37

Lowest Band Edge / Full RB

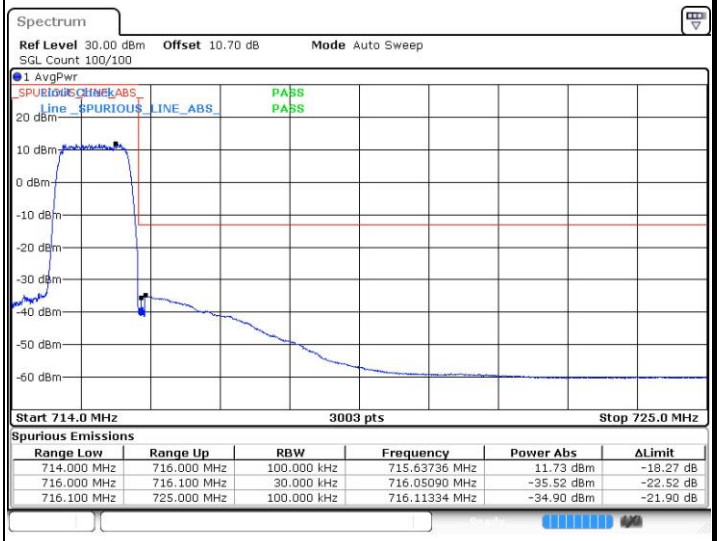


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-35.55 dBm	-22.55 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99356 MHz	-38.28 dBm	-25.28 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.62637 MHz	12.09 dBm	-17.91 dB

Date: 19.APR.2019 19:47:12

Highest Band Edge / Full RB



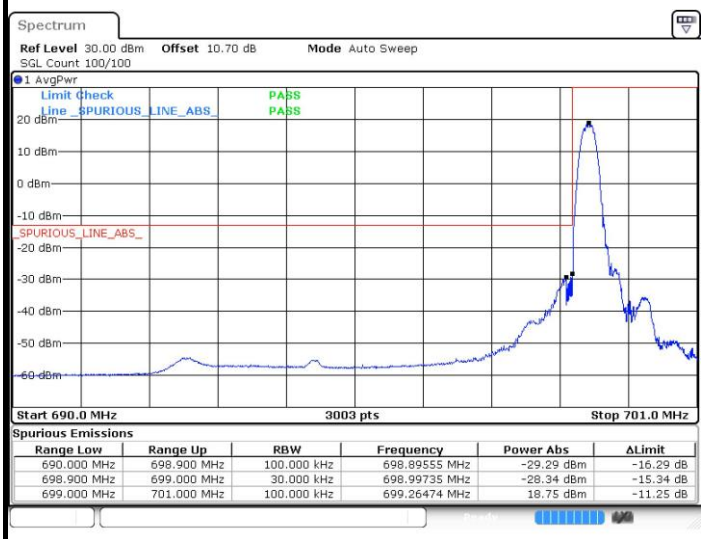
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.63736 MHz	11.73 dBm	-18.27 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.05090 MHz	-35.52 dBm	-22.52 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-34.90 dBm	-21.90 dB

Date: 19.APR.2019 19:55:36

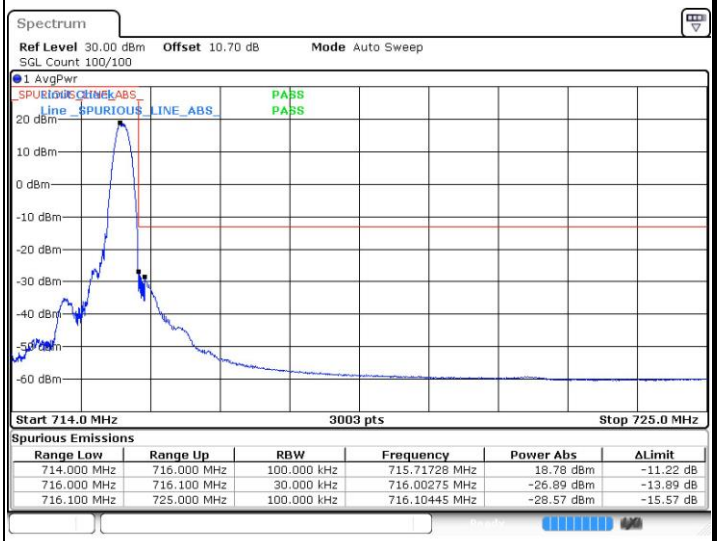
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



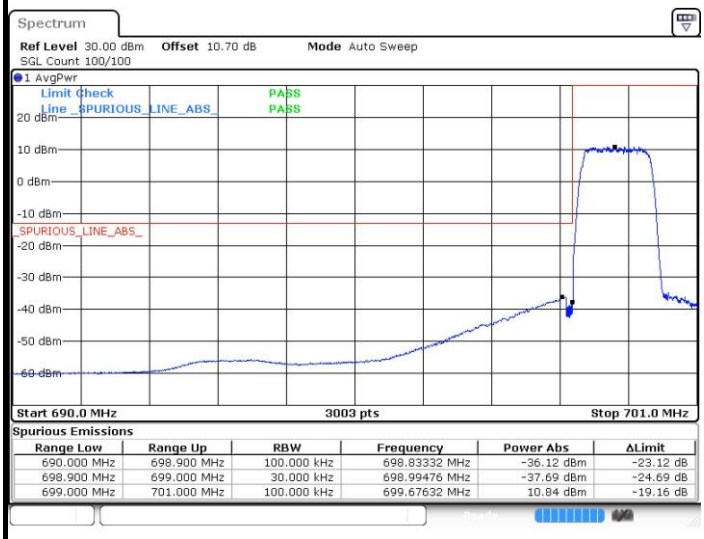
Date: 19.APR.2019 22:27:05

Highest Band Edge / 1 RB



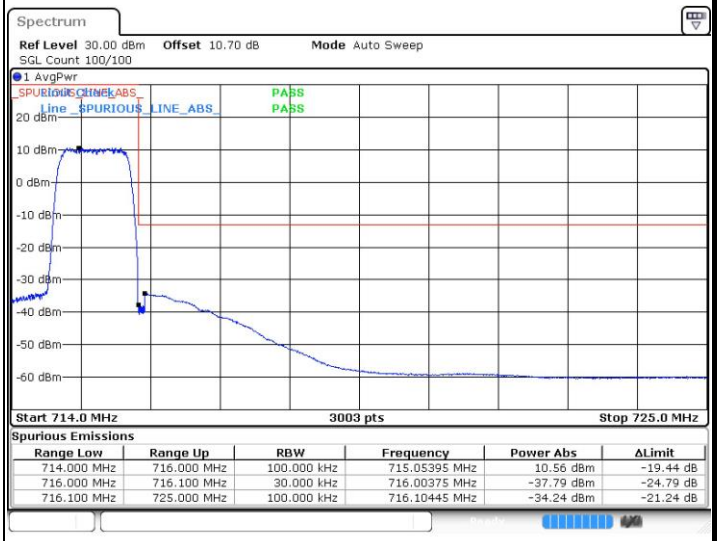
Date: 19.APR.2019 22:31:17

Lowest Band Edge / Full RB



Date: 19.APR.2019 22:26:04

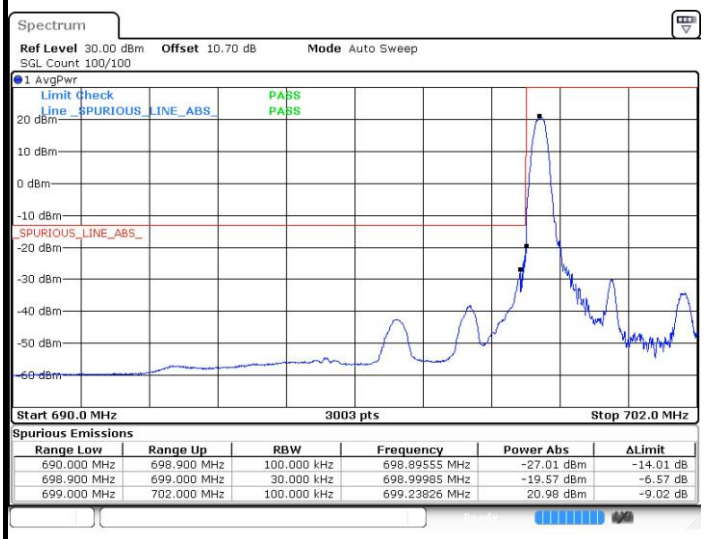
Highest Band Edge / Full RB



Date: 19.APR.2019 22:30:16

LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

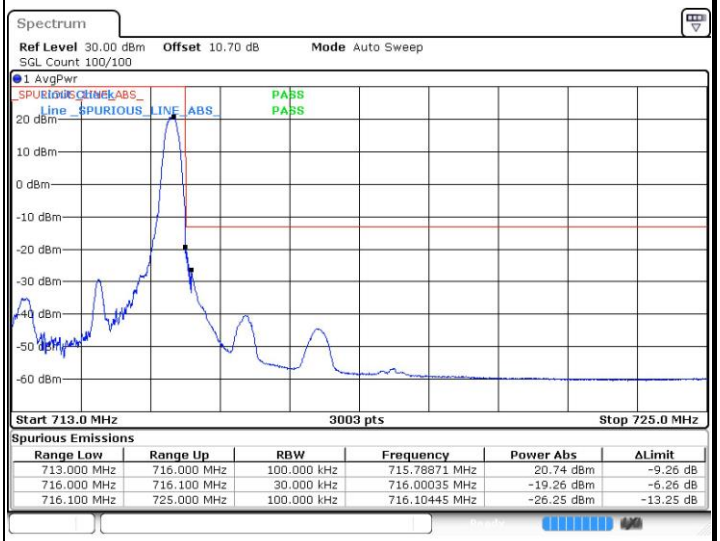


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-27.01 dBm	-14.01 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99985 MHz	-19.57 dBm	-6.57 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23826 MHz	20.98 dBm	-9.02 dB

Date: 19.APR.2019 20:03:55

Highest Band Edge / 1 RB

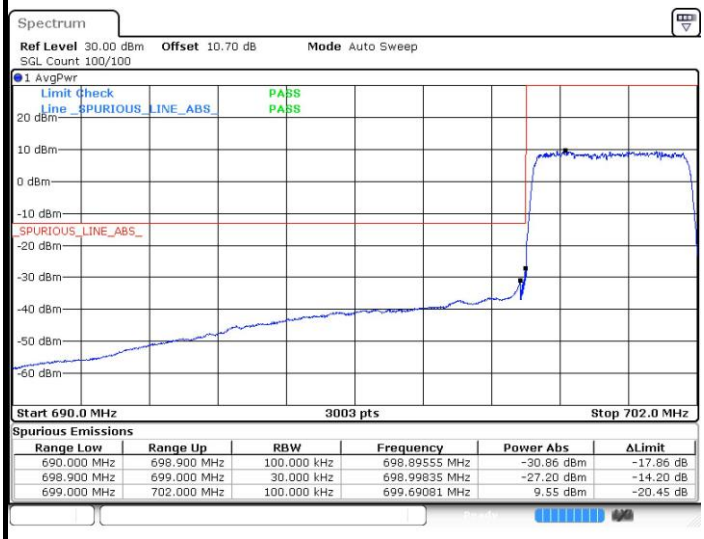


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.78871 MHz	20.74 dBm	-9.26 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00035 MHz	-19.26 dBm	-6.26 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.25 dBm	-13.25 dB

Date: 19.APR.2019 20:12:19

Lowest Band Edge / Full RB

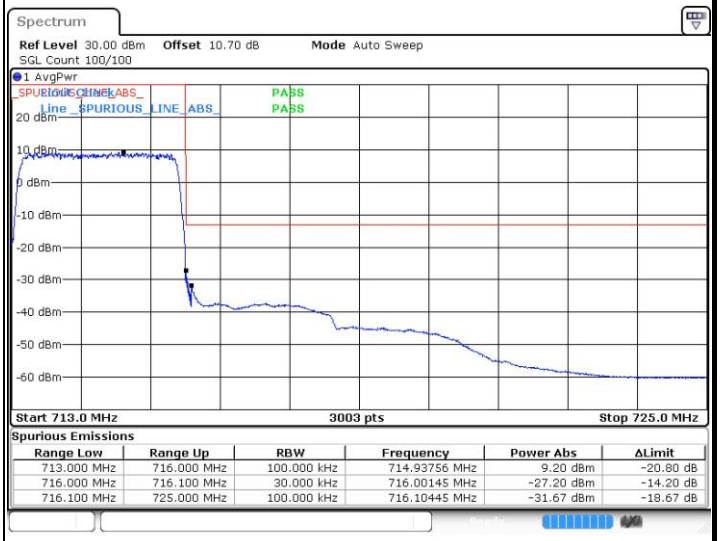


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.86 dBm	-17.86 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99835 MHz	-27.20 dBm	-14.20 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.69081 MHz	9.55 dBm	-20.45 dB

Date: 19.APR.2019 20:00:52

Highest Band Edge / Full RB



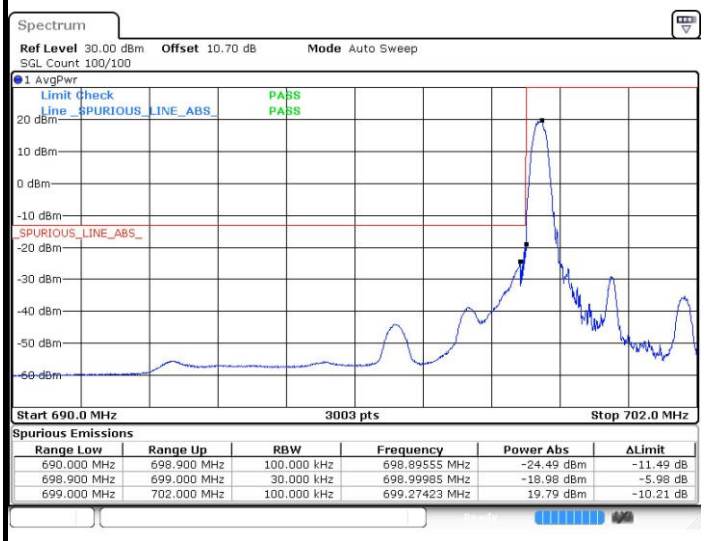
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	714.93756 MHz	9.20 dBm	-20.80 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00145 MHz	-27.20 dBm	-14.20 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.67 dBm	-18.67 dB

Date: 19.APR.2019 20:09:16

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

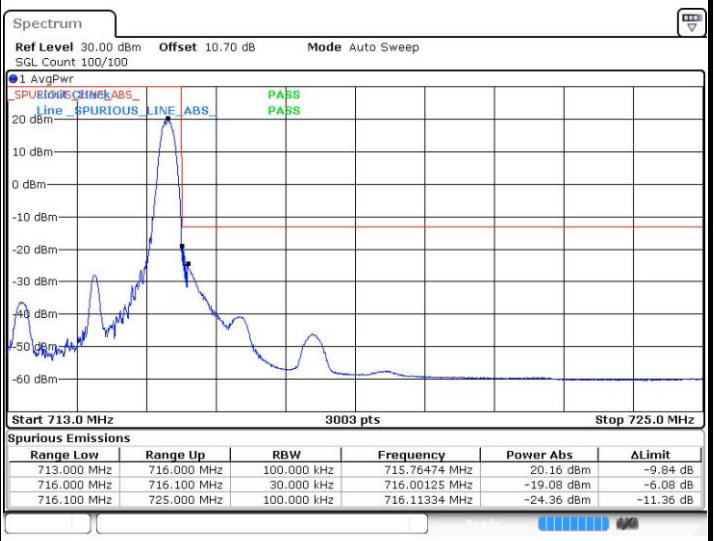


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-24.49 dBm	-11.49 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99985 MHz	-18.98 dBm	-5.98 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.27423 MHz	19.79 dBm	-10.21 dB

Date: 19.APR.2019 20:02:54

Highest Band Edge / 1 RB

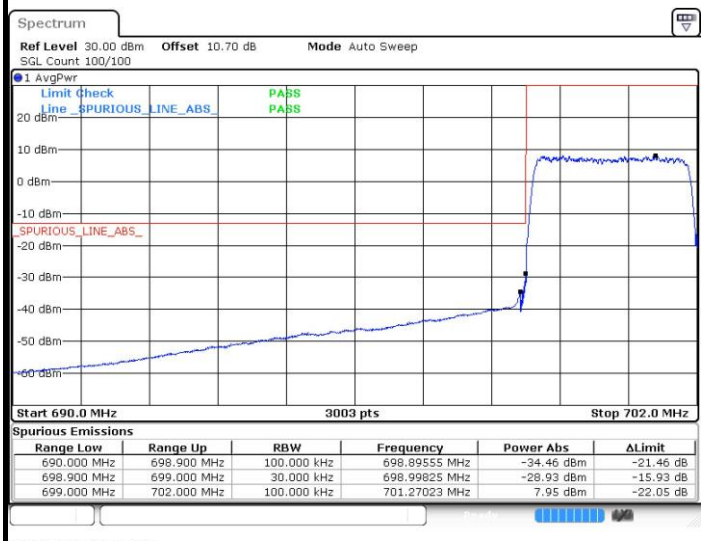


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.76474 MHz	20.16 dBm	-9.84 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00125 MHz	-19.08 dBm	-6.08 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-24.36 dBm	-11.36 dB

Date: 19.APR.2019 20:11:18

Lowest Band Edge / Full RB

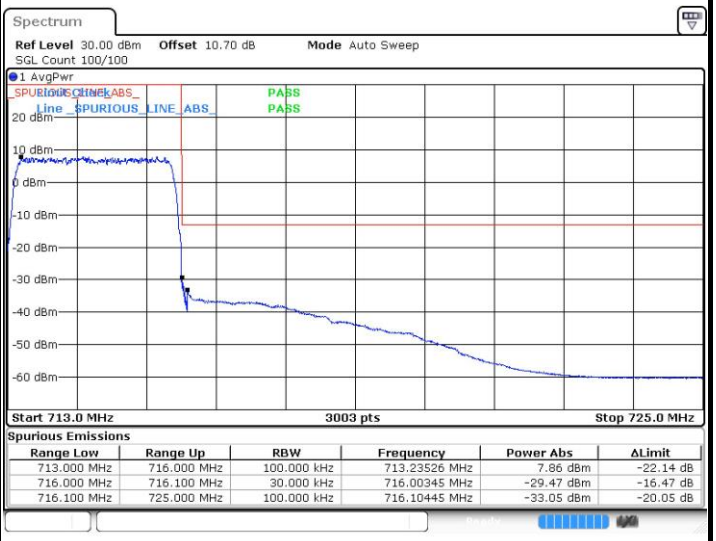


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.46 dBm	-21.46 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99825 MHz	-28.93 dBm	-15.93 dB
699.000 MHz	702.000 MHz	100.000 kHz	701.27023 MHz	7.95 dBm	-22.05 dB

Date: 19.APR.2019 20:01:53

Highest Band Edge / Full RB



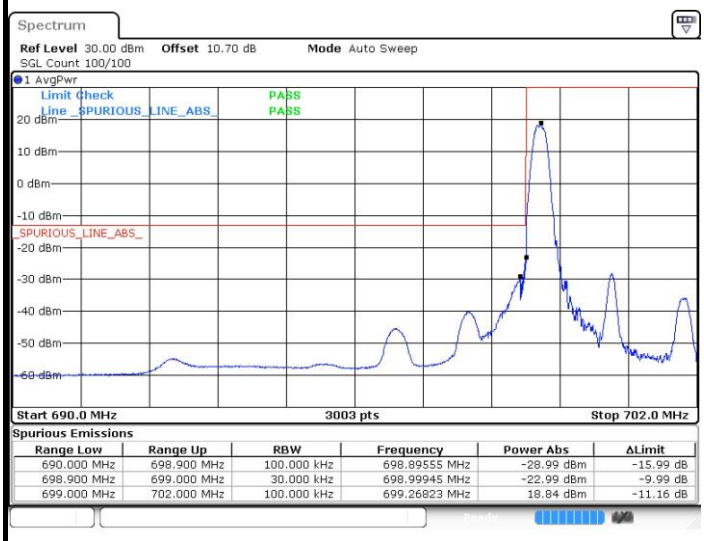
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.23526 MHz	7.86 dBm	-22.14 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00345 MHz	-29.47 dBm	-16.47 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-33.05 dBm	-20.05 dB

Date: 19.APR.2019 20:10:17

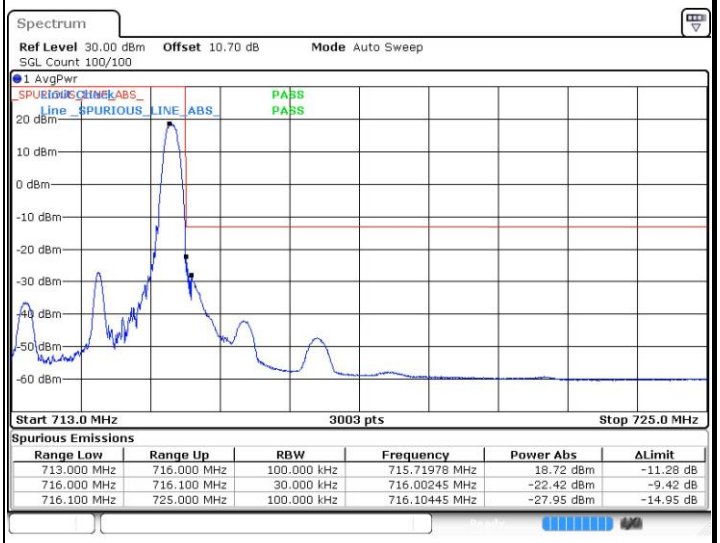
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



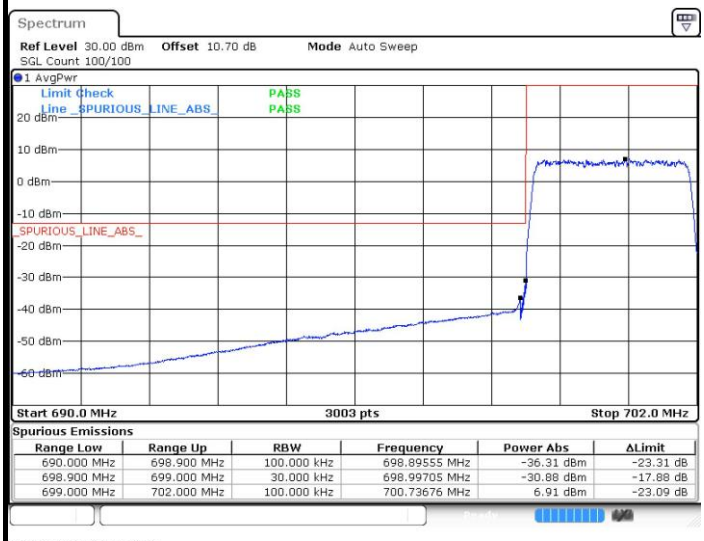
Date: 19.APR.2019 21:05:41

Highest Band Edge / 1 RB



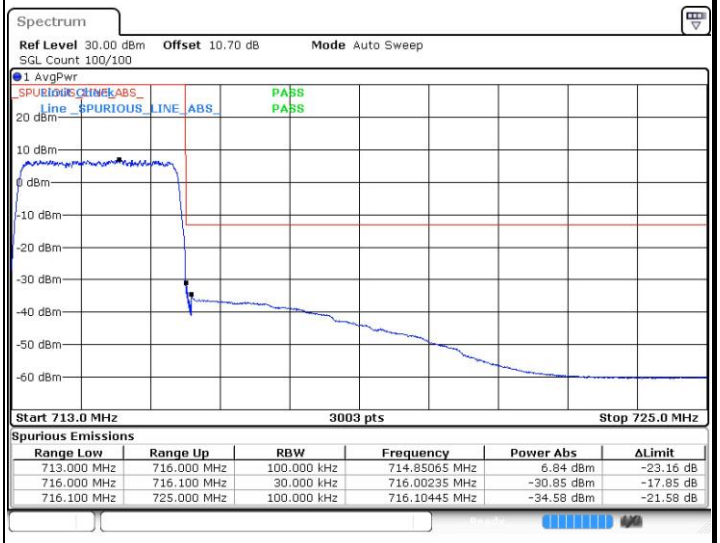
Date: 19.APR.2019 21:09:52

Lowest Band Edge / Full RB



Date: 19.APR.2019 21:04:40

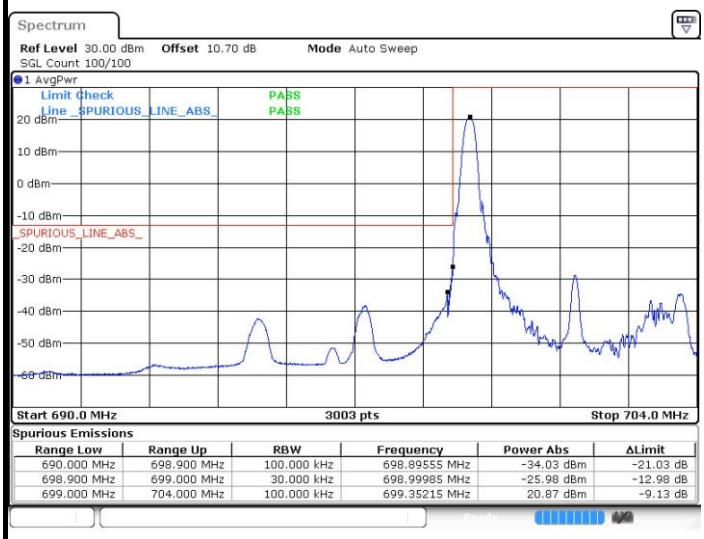
Highest Band Edge / Full RB



Date: 19.APR.2019 21:08:51

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

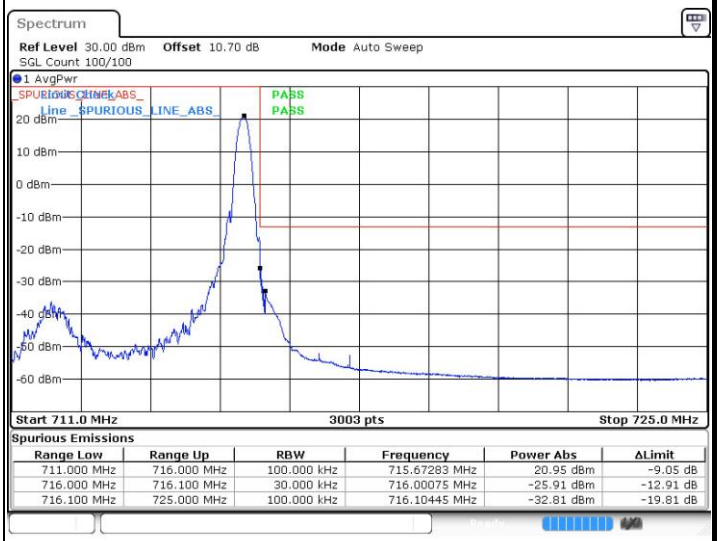


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.03 dBm	-21.03 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99985 MHz	-25.98 dBm	-12.98 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.35215 MHz	20.87 dBm	-9.13 dB

Date: 19.APR.2019 20:18:35

Highest Band Edge / 1 RB

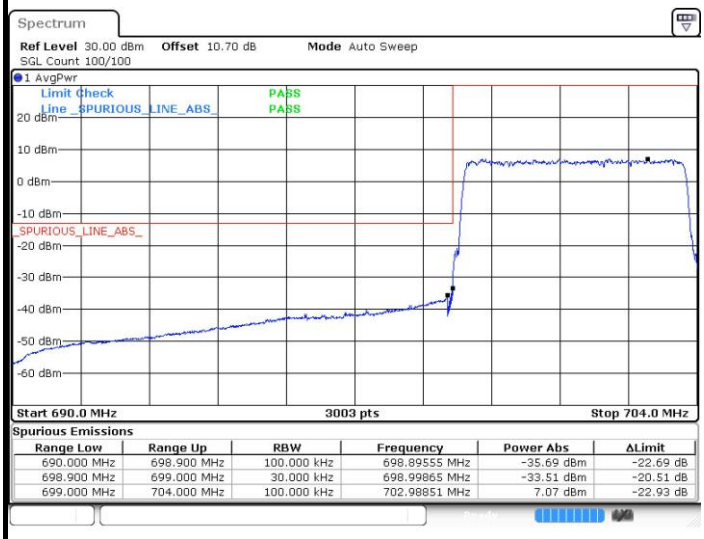


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.67283 MHz	20.95 dBm	-9.05 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00075 MHz	-25.91 dBm	-12.91 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-32.81 dBm	-19.81 dB

Date: 19.APR.2019 20:25:58

Lowest Band Edge / Full RB

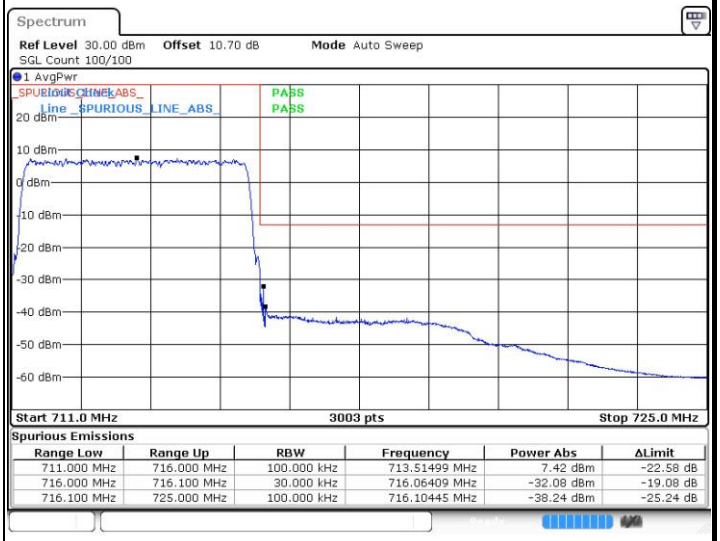


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-35.69 dBm	-22.69 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99865 MHz	-33.51 dBm	-20.51 dB
699.000 MHz	704.000 MHz	100.000 kHz	702.98851 MHz	7.07 dBm	-22.93 dB

Date: 19.APR.2019 20:15:32

Highest Band Edge / Full RB



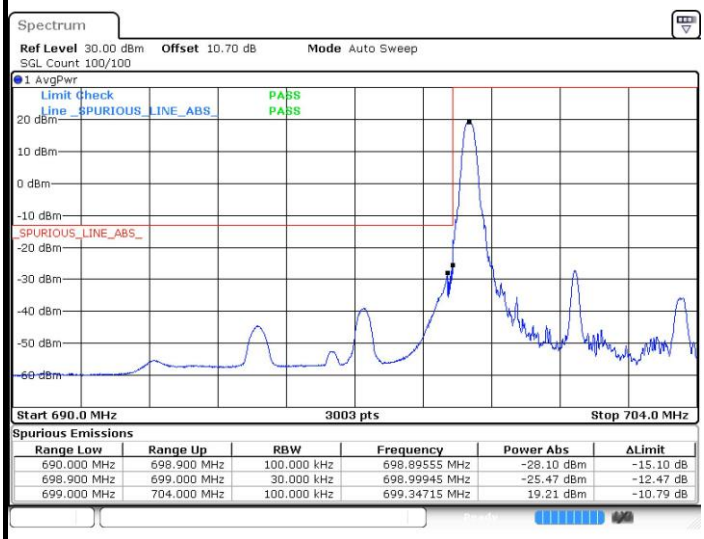
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	713.51499 MHz	7.42 dBm	-22.58 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.06409 MHz	-32.08 dBm	-19.08 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-38.24 dBm	-25.24 dB

Date: 19.APR.2019 20:23:56

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

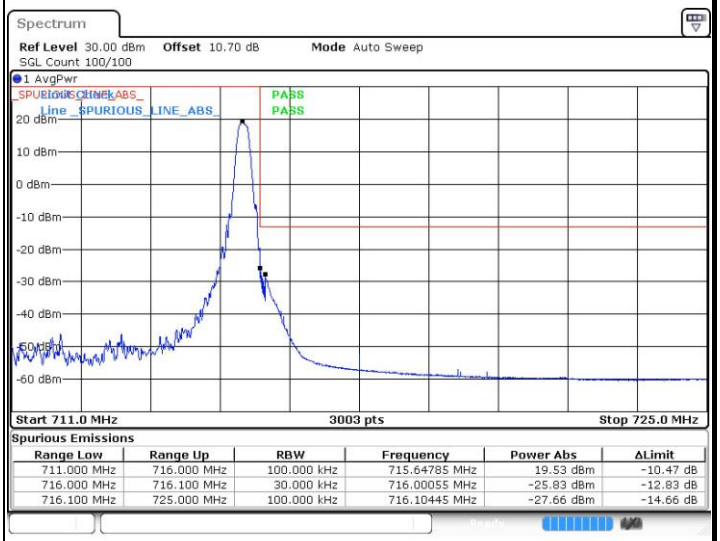


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.10 dBm	-15.10 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99945 MHz	-25.47 dBm	-12.47 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.34715 MHz	19.21 dBm	-10.79 dB

Date: 19.APR.2019 20:17:34

Highest Band Edge / 1 RB

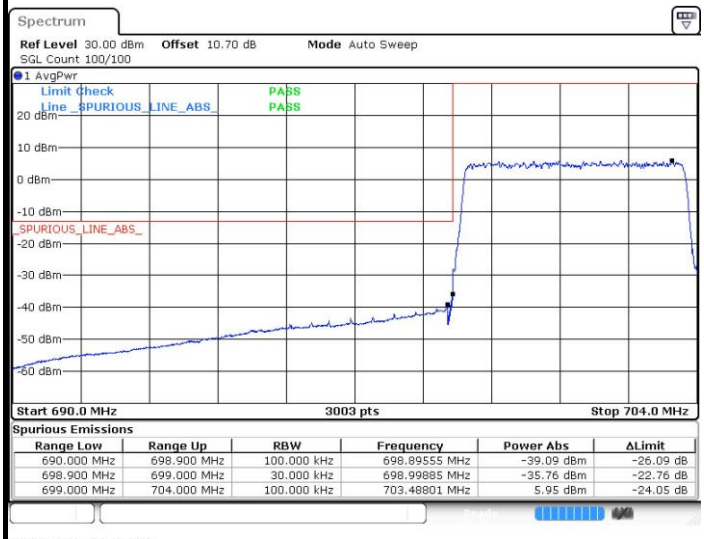


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.64785 MHz	19.53 dBm	-10.47 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00055 MHz	-25.83 dBm	-12.83 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-27.66 dBm	-14.66 dB

Date: 19.APR.2019 20:26:59

Lowest Band Edge / Full RB

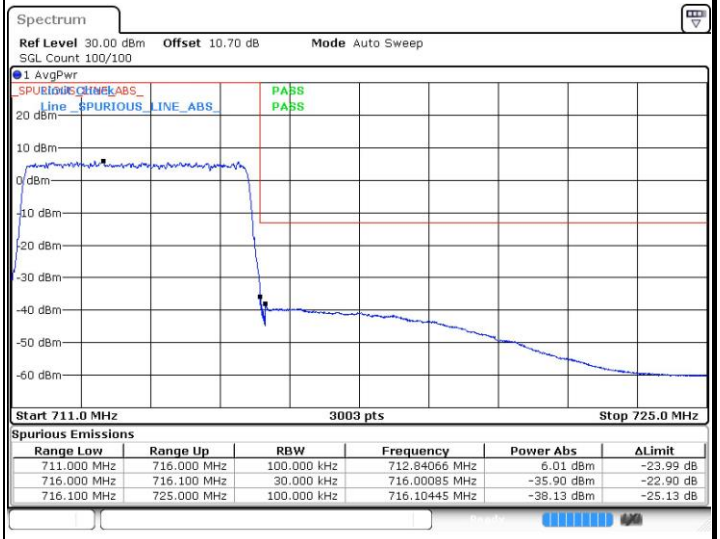


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-39.09 dBm	-26.09 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99885 MHz	-35.76 dBm	-22.76 dB
699.000 MHz	704.000 MHz	100.000 kHz	703.48801 MHz	5.95 dBm	-24.05 dB

Date: 19.APR.2019 20:16:33

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	712.84066 MHz	6.01 dBm	-23.99 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-35.90 dBm	-22.90 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-38.13 dBm	-25.13 dB

Date: 19.APR.2019 20:24:57