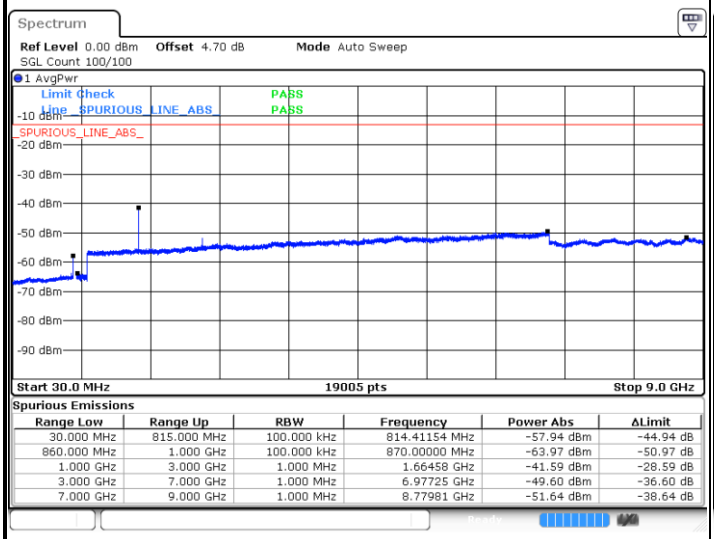
LTE Band 5 / 10MHz

Middle Channel / QPSK

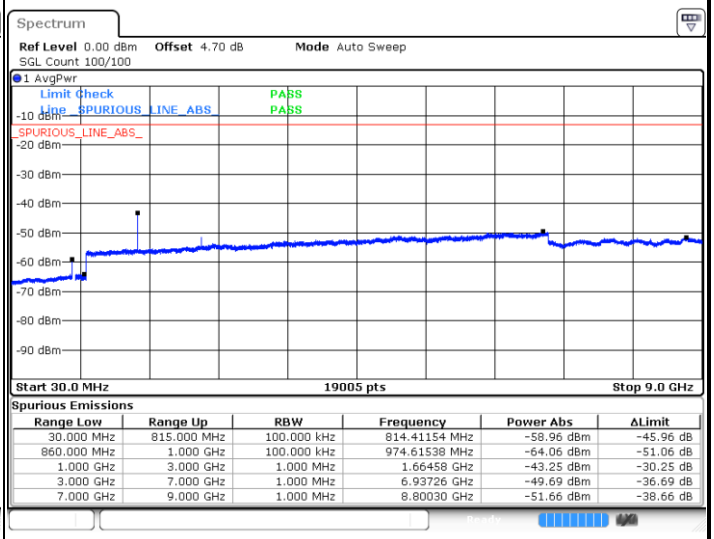


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-57.94 dBm	-44.94 dB
860.000 MHz	1.000 GHz	100.000 kHz	870.00000 MHz	-63.97 dBm	-50.97 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-41.59 dBm	-28.59 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97725 GHz	-49.60 dBm	-36.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77981 GHz	-51.64 dBm	-38.64 dB

Date: 3.FEB.2020 17:07:39

Middle Channel / 16QAM

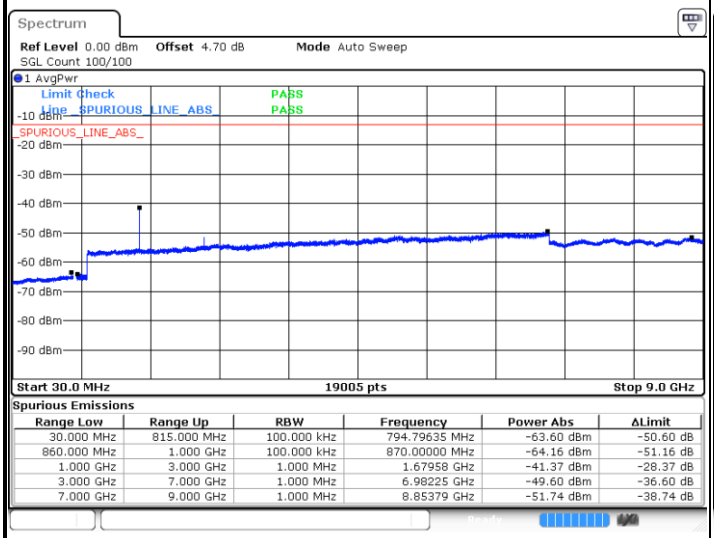


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	814.41154 MHz	-58.96 dBm	-45.96 dB
860.000 MHz	1.000 GHz	100.000 kHz	974.61538 MHz	-64.06 dBm	-51.06 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.66458 GHz	-43.25 dBm	-30.25 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93726 GHz	-49.69 dBm	-36.69 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80030 GHz	-51.66 dBm	-38.66 dB

Date: 3.FEB.2020 17:08:34

Highest Channel / QPSK

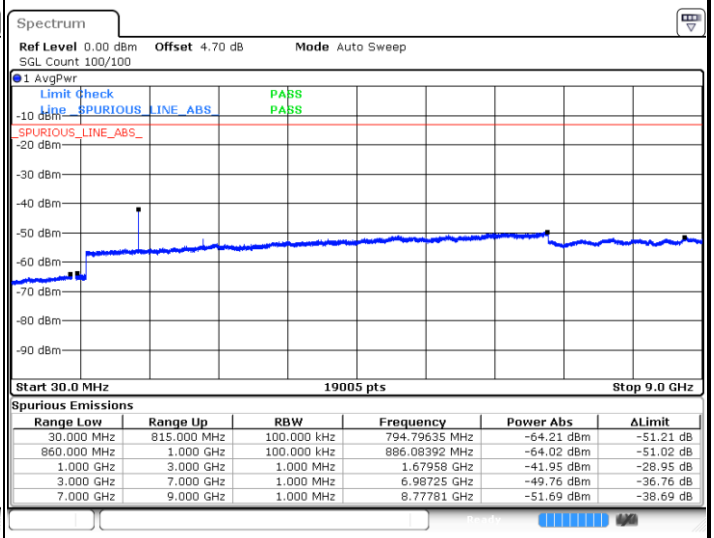


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	794.79635 MHz	-63.60 dBm	-50.60 dB
860.000 MHz	1.000 GHz	100.000 kHz	870.00000 MHz	-64.16 dBm	-51.16 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-41.37 dBm	-28.37 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98225 GHz	-49.60 dBm	-36.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.85379 GHz	-51.74 dBm	-38.74 dB

Date: 3.FEB.2020 17:16:39

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	815.000 MHz	100.000 kHz	794.79635 MHz	-64.21 dBm	-51.21 dB
860.000 MHz	1.000 GHz	100.000 kHz	886.08392 MHz	-64.02 dBm	-51.02 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.67958 GHz	-41.95 dBm	-28.95 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98725 GHz	-49.76 dBm	-36.76 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77781 GHz	-51.69 dBm	-38.69 dB

Date: 3.FEB.2020 17:17:34

Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0024	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0006	
10	Normal Voltage	0.0013	
0	Normal Voltage	0.0017	
-10	Normal Voltage	0.0008	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0002	

Note: Normal Voltage =3.8 V.；Battery End Point (BEP) =3.6 V.；Maximum Voltage =4.3 V.

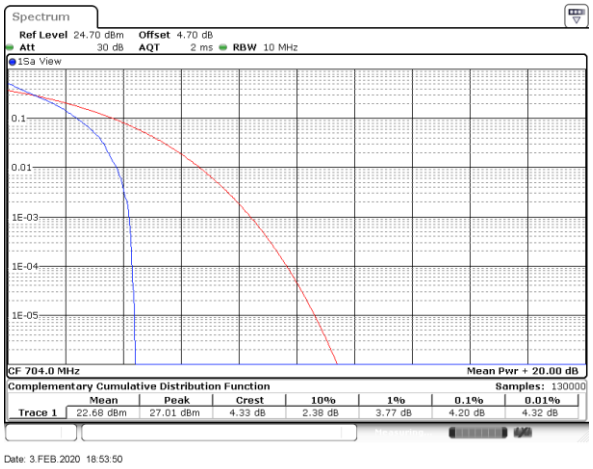
LTE Band 12

Peak-to-Average Ratio

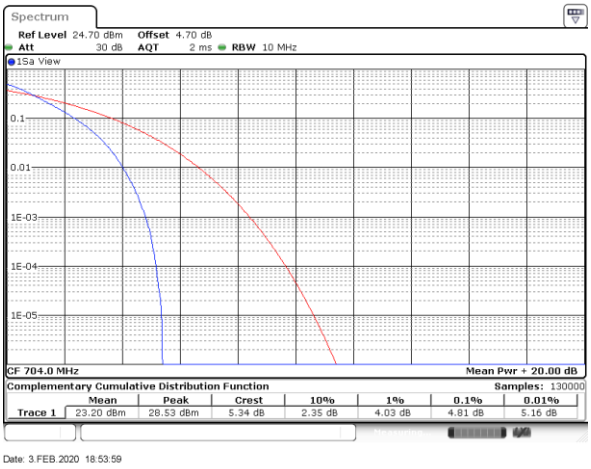
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.20	4.81	5.19	5.59	PASS
Middle CH	3.88	4.64	4.99	5.59	
Highest CH	4.00	4.70	4.96	5.57	

LTE Band 12 / 10MHz / QPSK

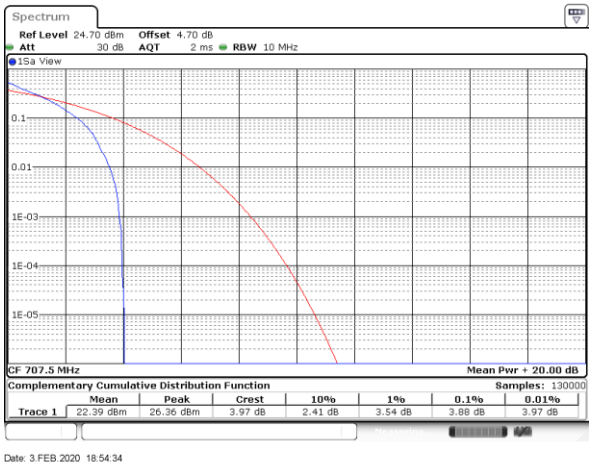
Lowest Channel / 1RB



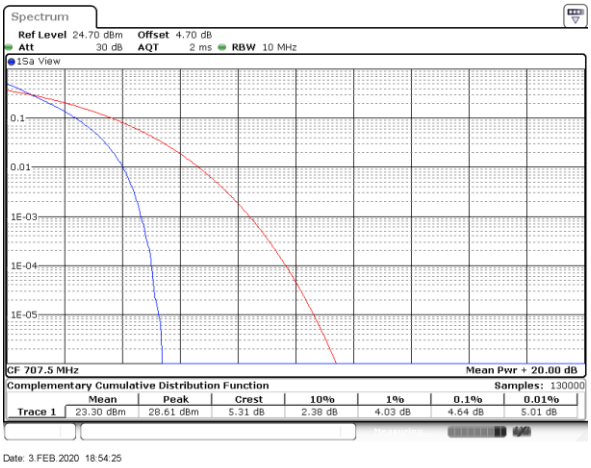
Lowest Channel / Full RB



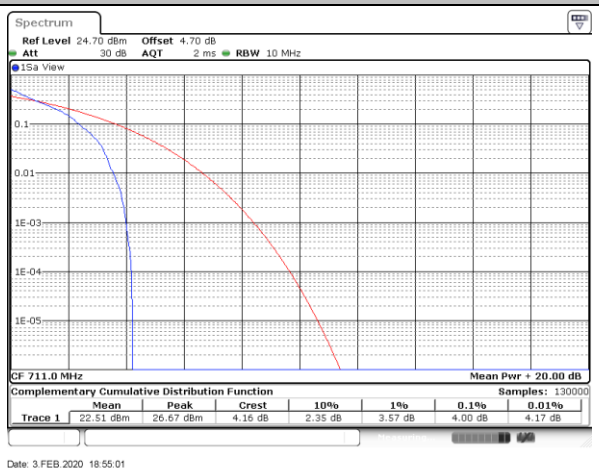
Middle Channel / 1RB



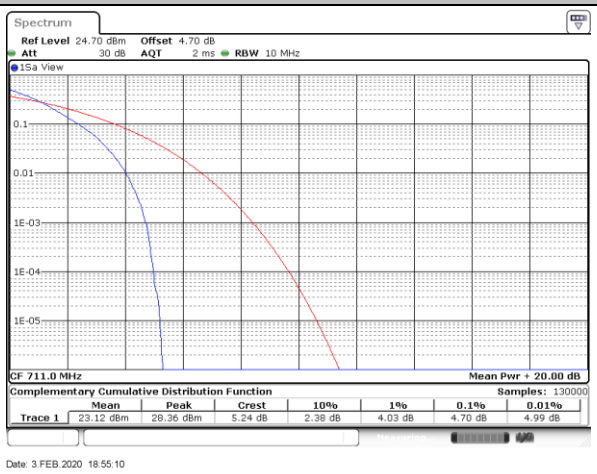
Middle Channel / Full RB



Highest Channel / 1RB

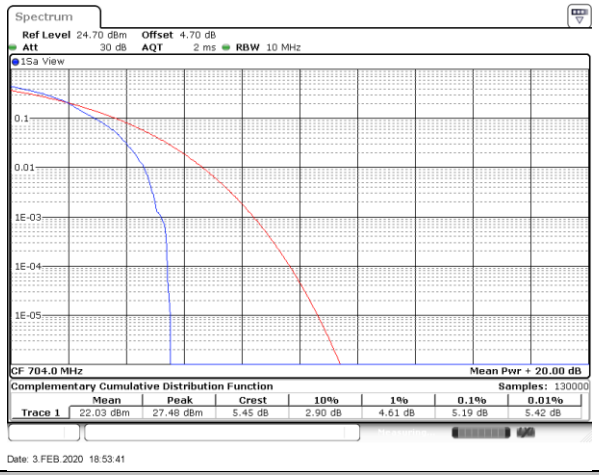


Highest Channel / Full RB

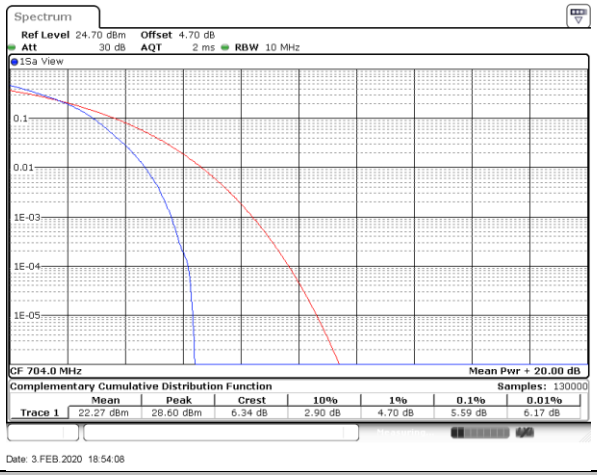


LTE Band 12 / 10MHz / 16QAM

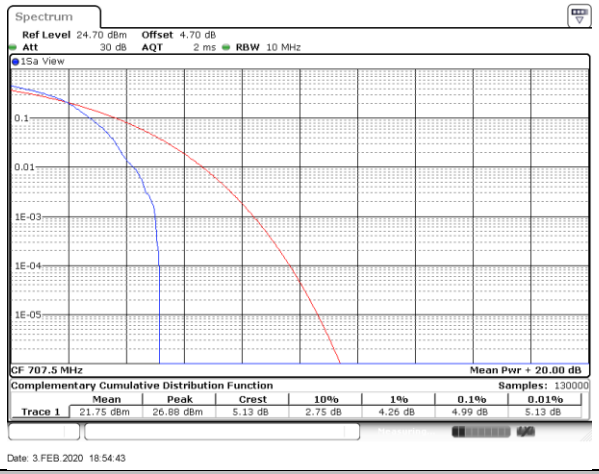
Lowest Channel / 1RB



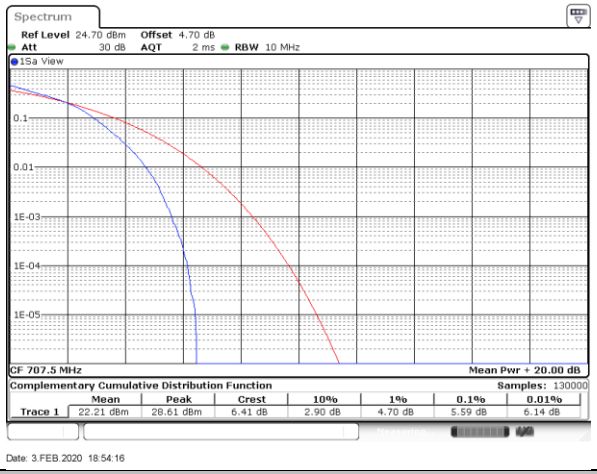
Lowest Channel / Full RB



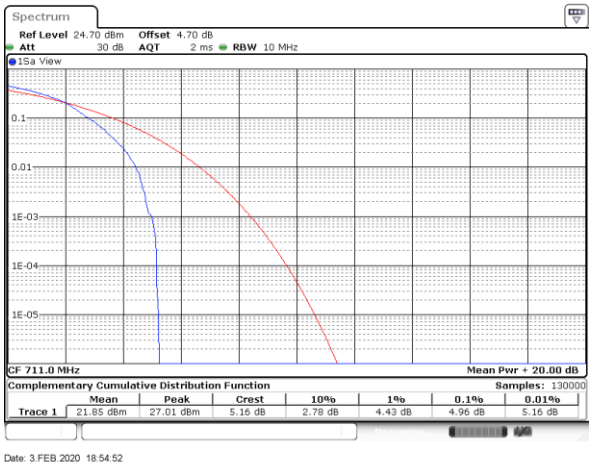
Middle Channel / 1RB



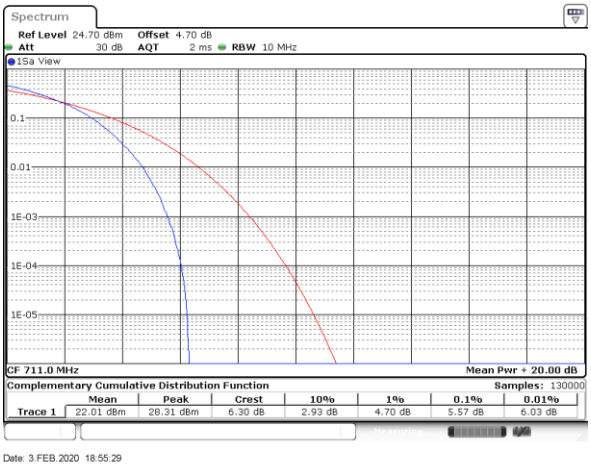
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

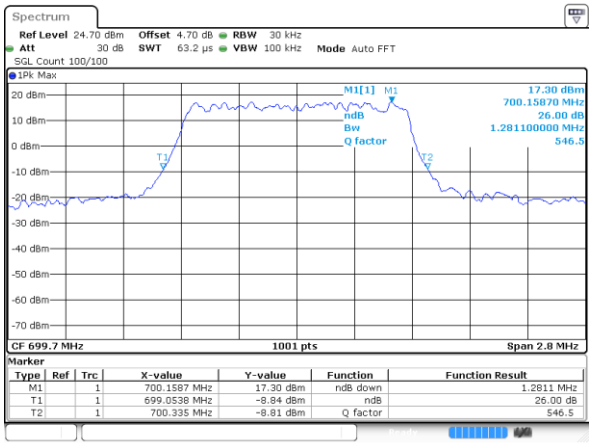


26dB Bandwidth

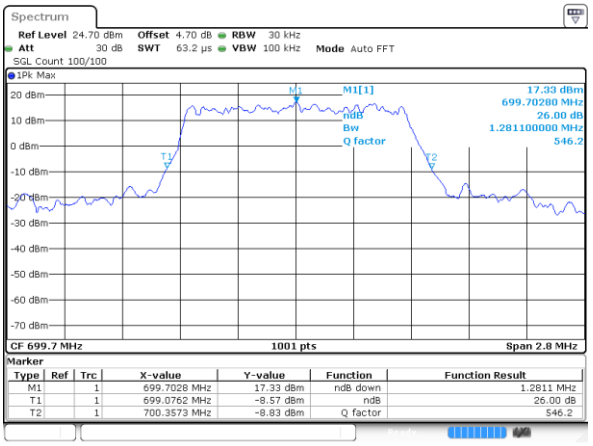
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.28	1.28	2.96	2.99	5.07	5.00	10.11	9.77				
Middle CH	1.29	1.30	2.96	2.92	5.22	5.13	9.79	10.19				
Highest CH	1.28	1.28	2.96	2.95	5.22	4.98	10.05	9.71				

LTE Band 12

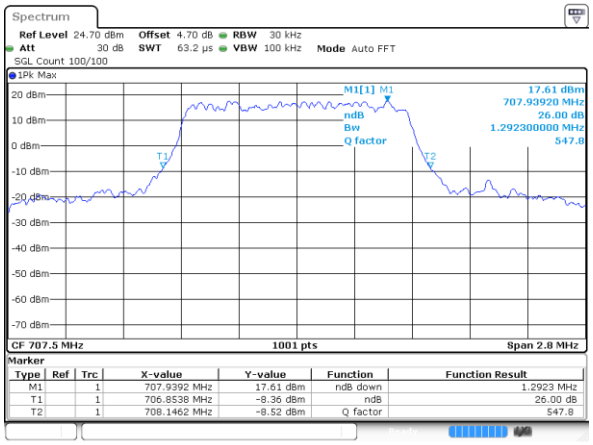
Lowest Channel / 1.4MHz / QPSK



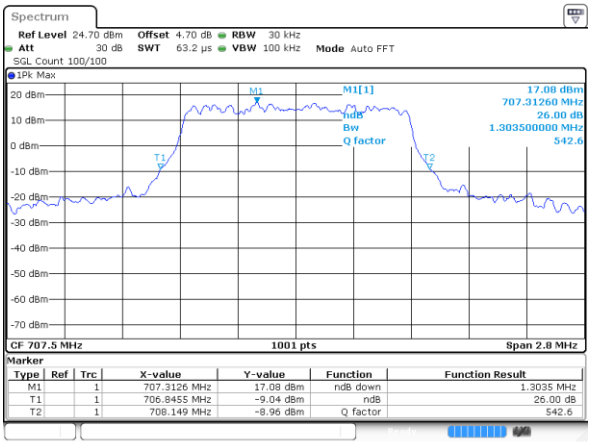
Lowest Channel / 1.4MHz / 16QAM



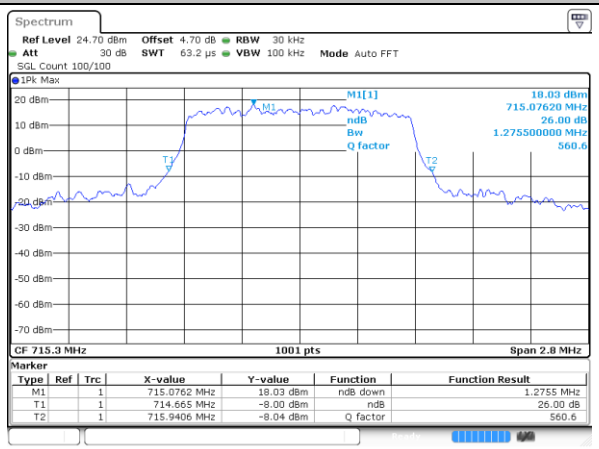
Middle Channel / 1.4MHz / QPSK



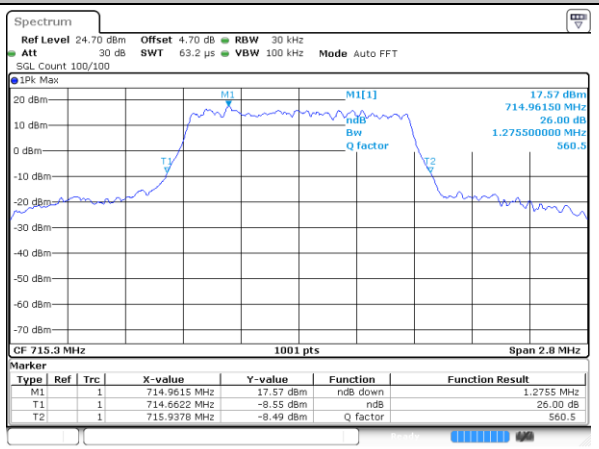
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

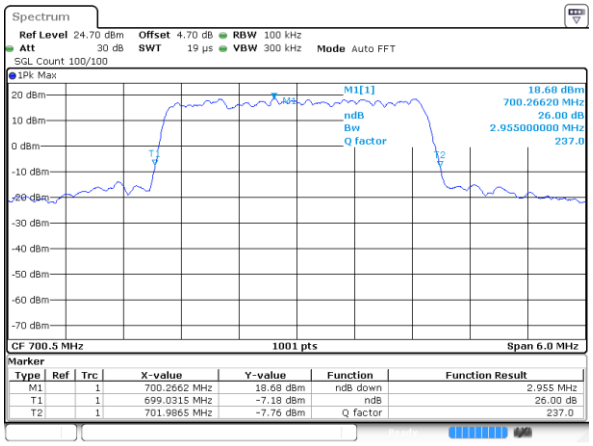


Highest Channel / 1.4MHz / 16QAM

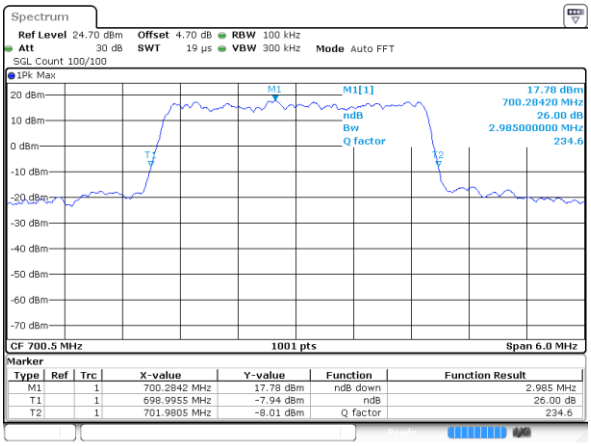


LTE Band 12

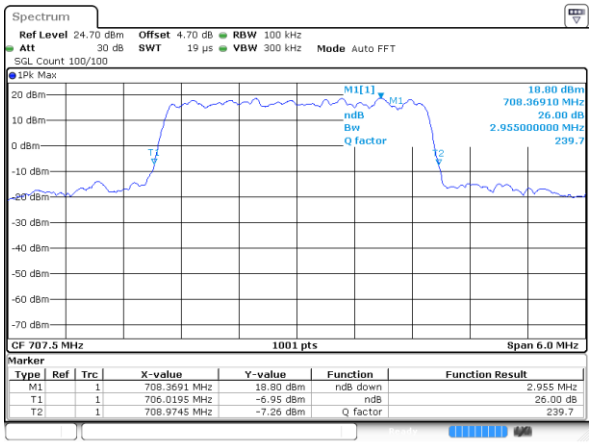
Lowest Channel / 3MHz / QPSK



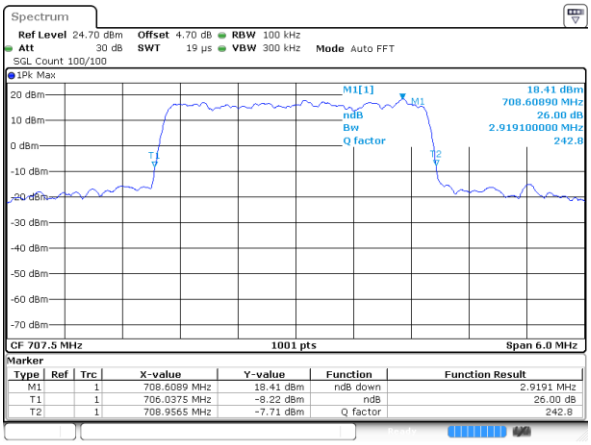
Lowest Channel / 3MHz / 16QAM



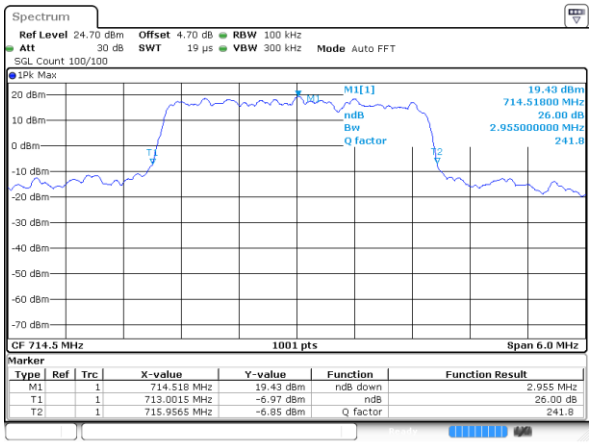
Middle Channel / 3MHz / QPSK



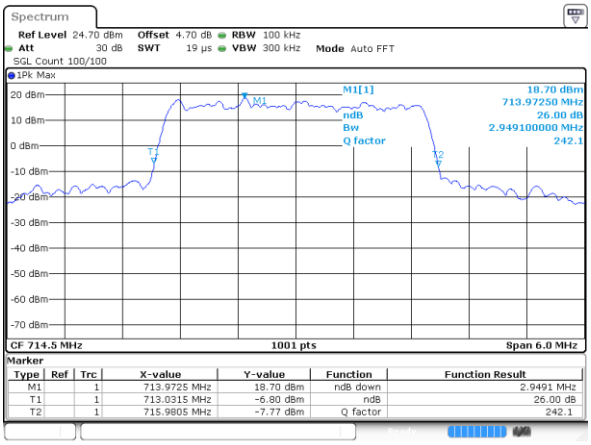
Middle Channel /3MHz / 16QAM



Highest Channel /3MHz / QPSK

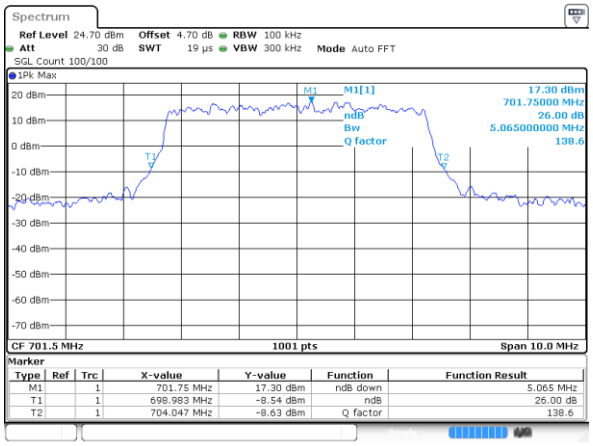


Highest Channel /3MHz / 16QAM

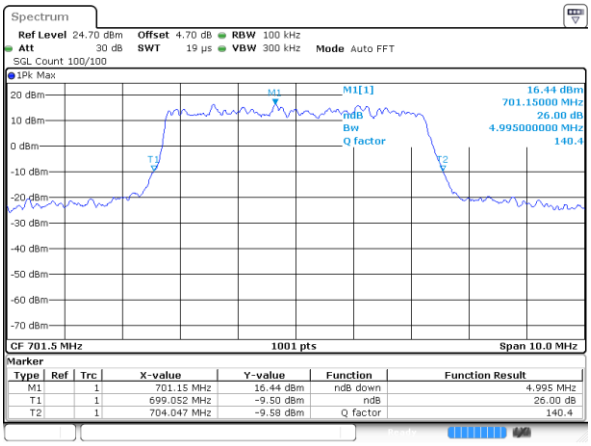


LTE Band 12

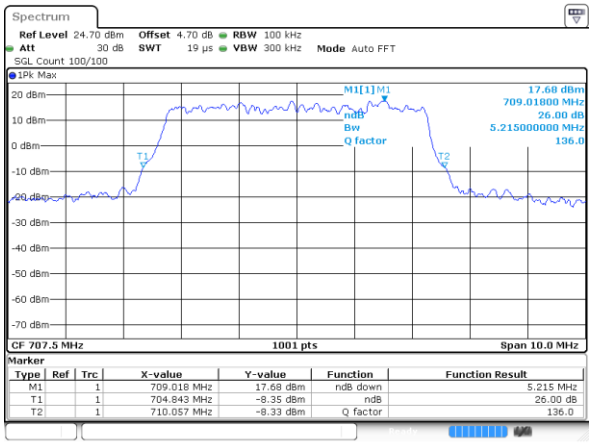
Lowest Channel / 5MHz / QPSK



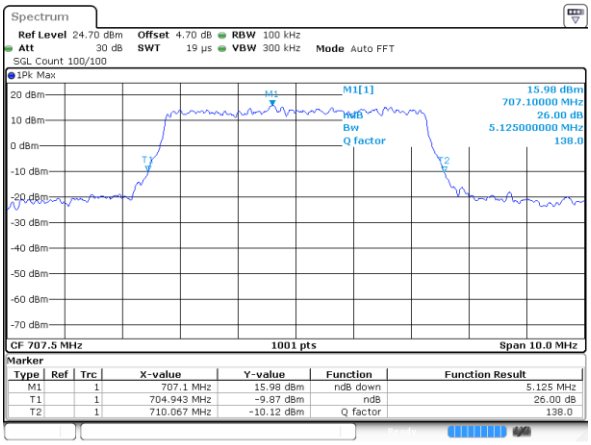
Lowest Channel / 5MHz / 16QAM



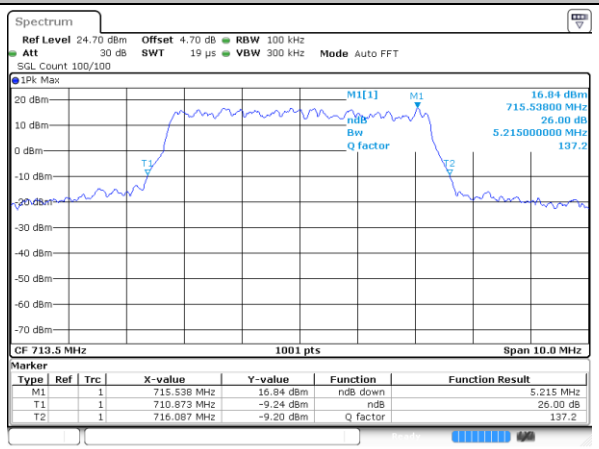
Middle Channel / 5MHz / QPSK



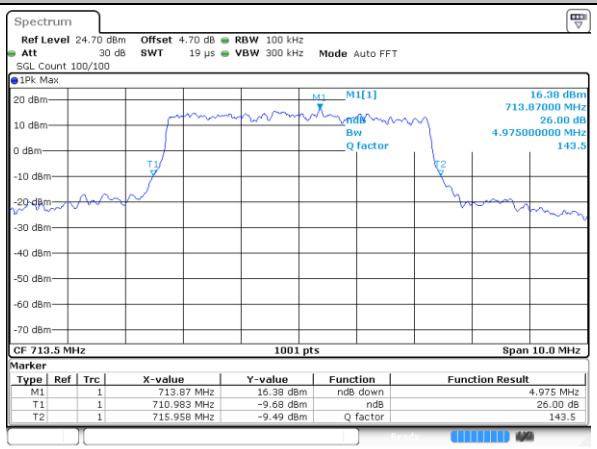
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

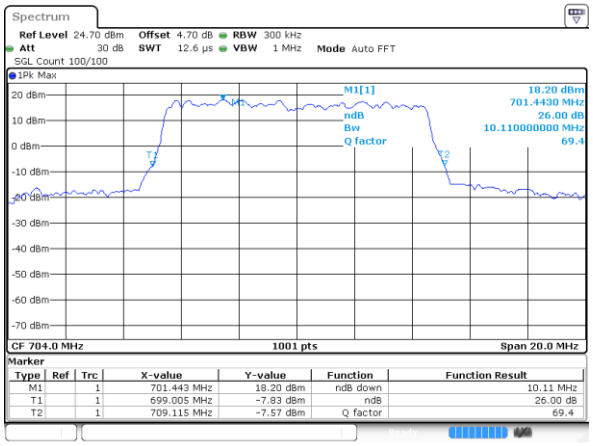


Highest Channel / 5MHz / 16QAM

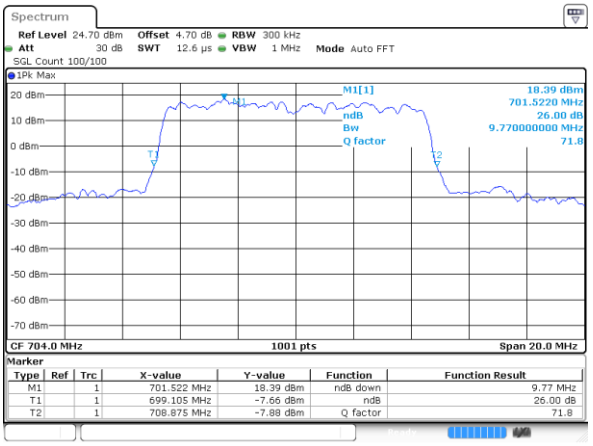


LTE Band 12

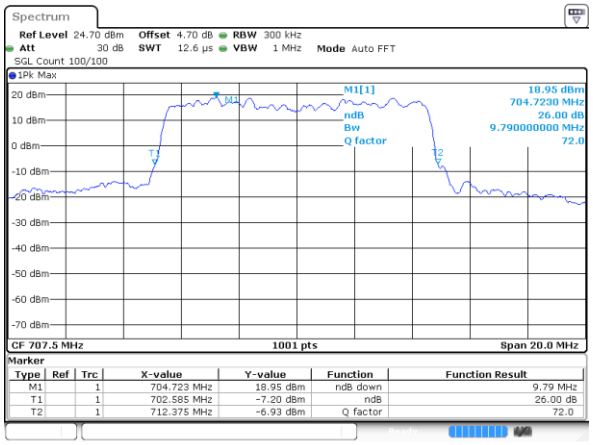
Lowest Channel / 10MHz / QPSK



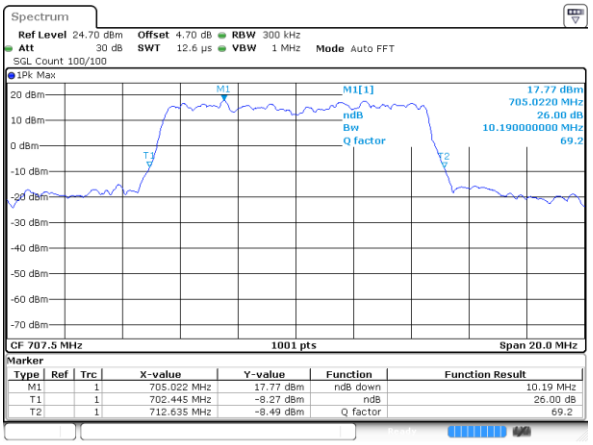
Lowest Channel / 10MHz / 16QAM



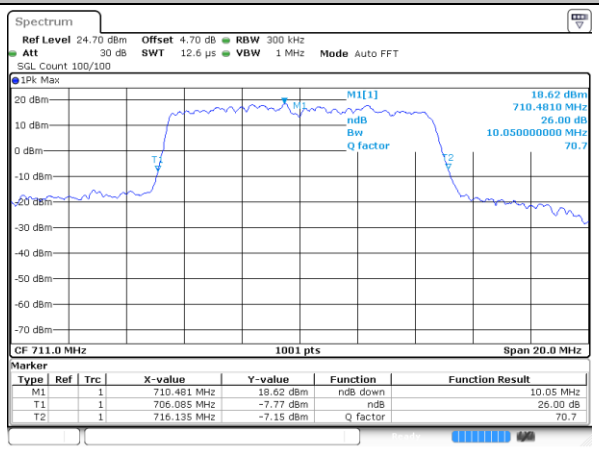
Middle Channel / 10MHz / QPSK



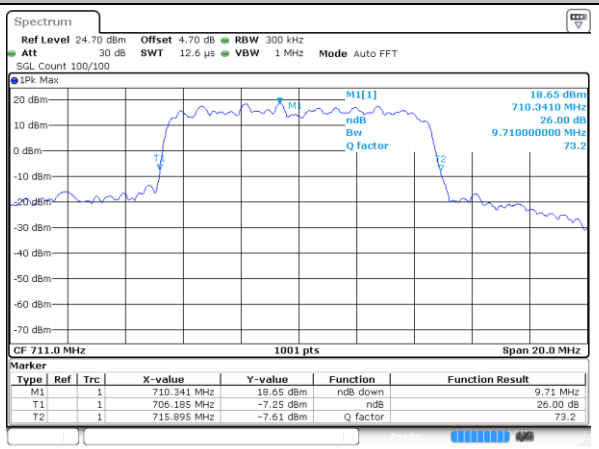
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

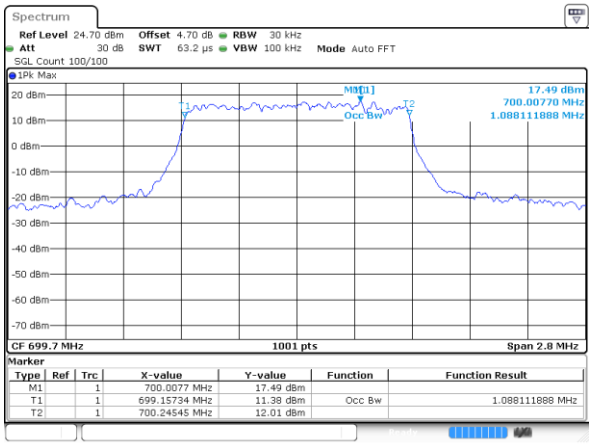


Occupied Bandwidth

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	2.71	2.71	4.54	4.48	9.07	9.03				
Middle CH	1.09	1.09	2.71	2.70	4.53	4.48	9.01	9.05				
Highest CH	1.10	1.09	2.70	2.72	4.50	4.51	8.99	9.01				

LTE Band 12

Lowest Channel / 1.4MHz / QPSK



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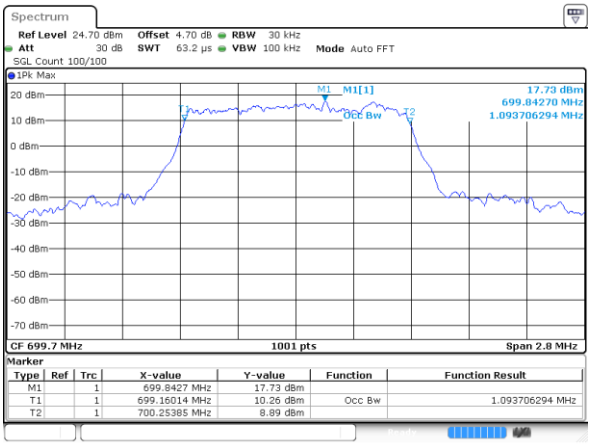
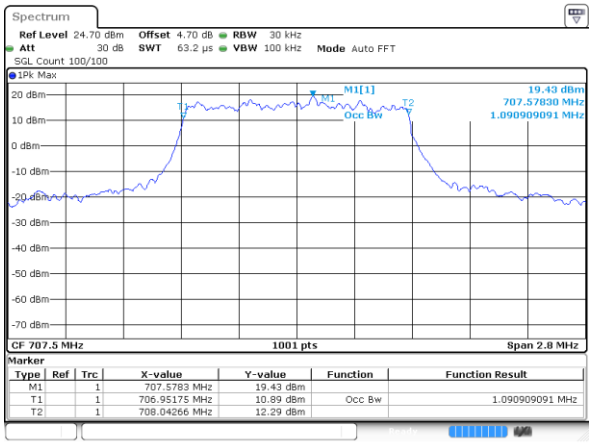
Lowest Channel / 1.4MHz / 16QAM



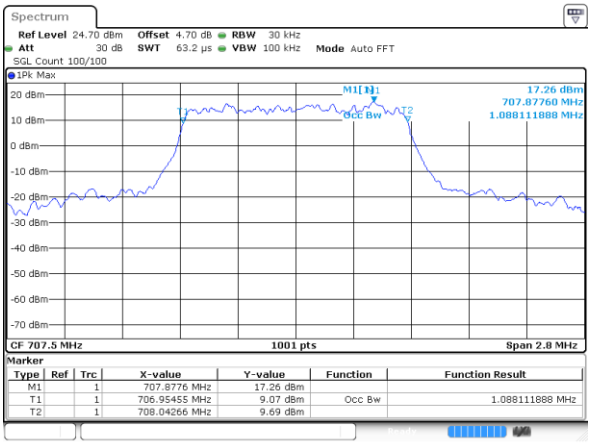
Date: 3.FEB.2020 17:44:43

Middle Channel / 1.4MHz / QPSK



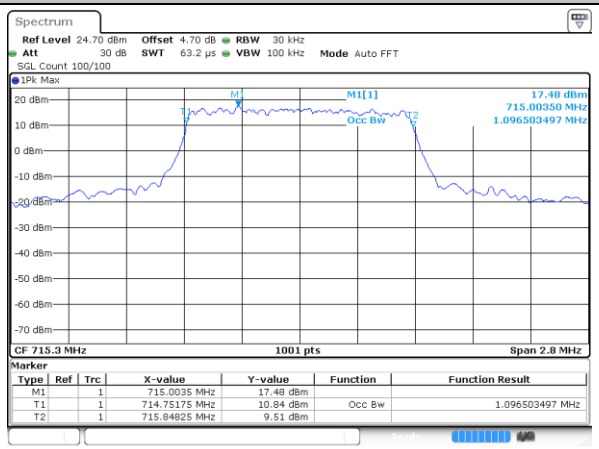
Date: 3.FEB.2020 17:45:03

Middle Channel / 1.4MHz / 16QAM



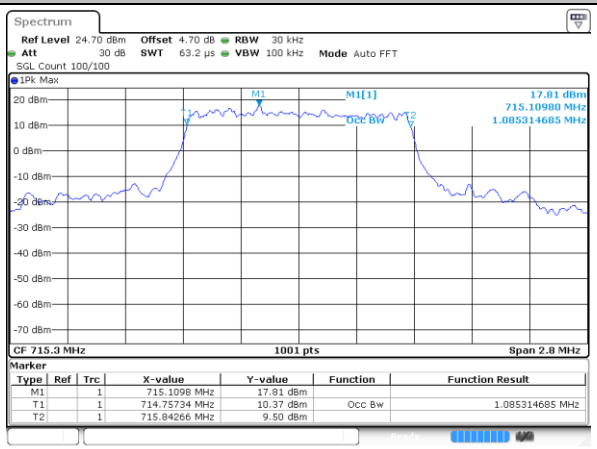
Date: 3.FEB.2020 17:44:53

Highest Channel / 1.4MHz / QPSK



Date: 3.FEB.2020 17:45:13

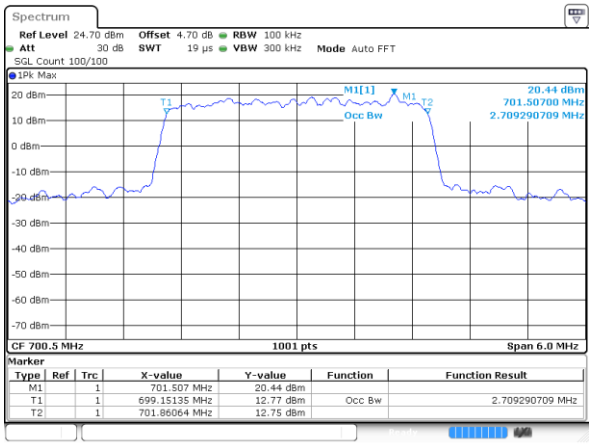
Highest Channel / 1.4MHz / 16QAM



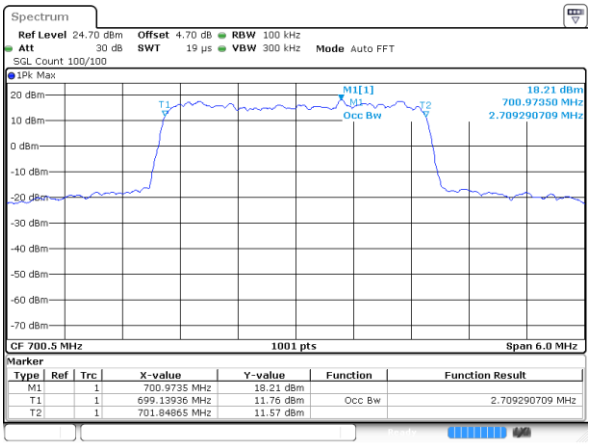
Date: 3.FEB.2020 17:45:23

LTE Band 12

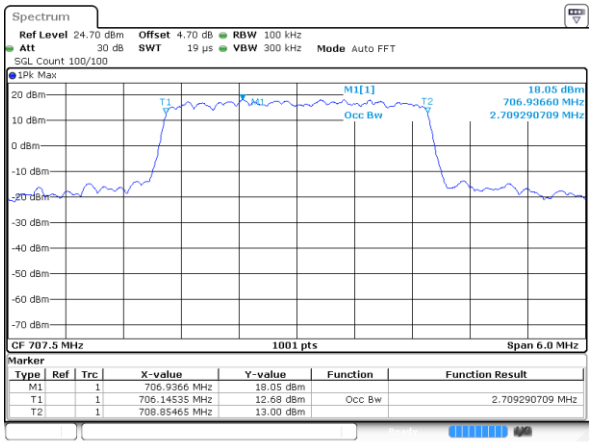
Lowest Channel / 3MHz / QPSK



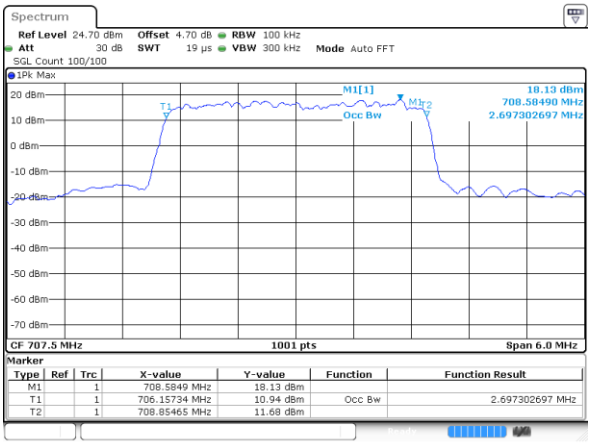
Lowest Channel / 3MHz / 16QAM



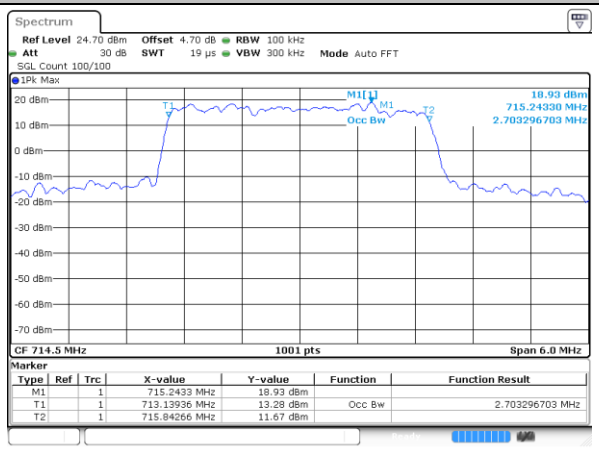
Middle Channel / 3MHz / QPSK



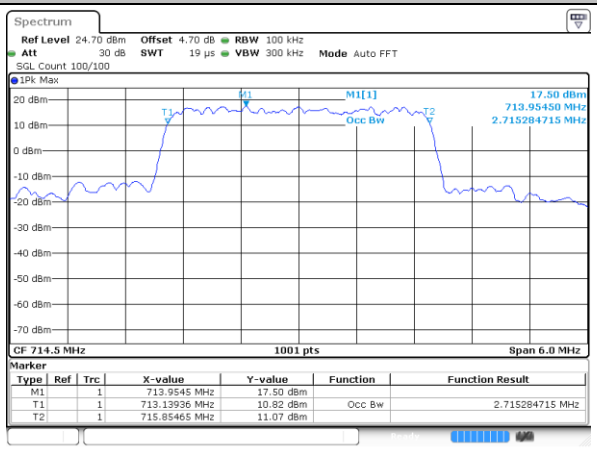
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

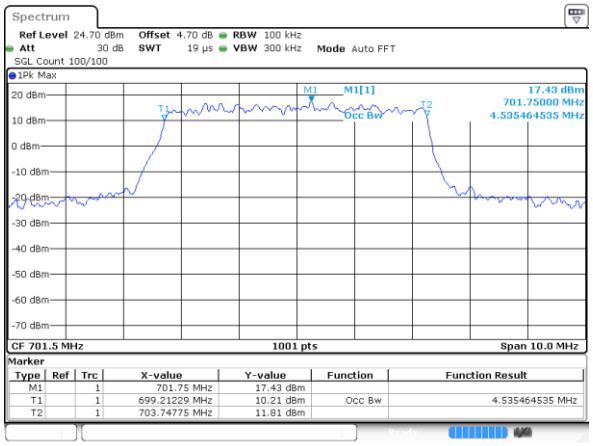


Highest Channel / 3MHz / 16QAM



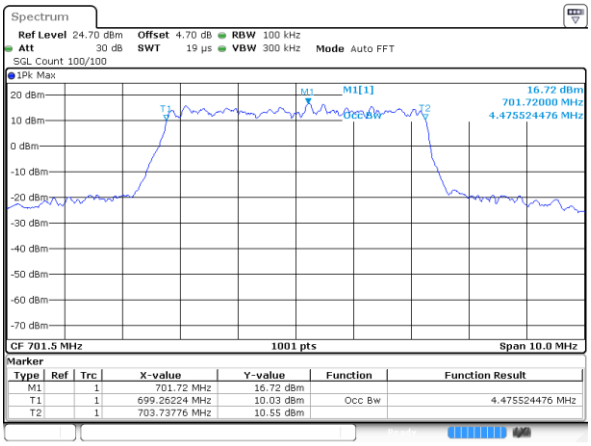
LTE Band 12

Lowest Channel / 5MHz / QPSK



Date: 3.FEB.2020 18:17:34

Lowest Channel / 5MHz / 16QAM



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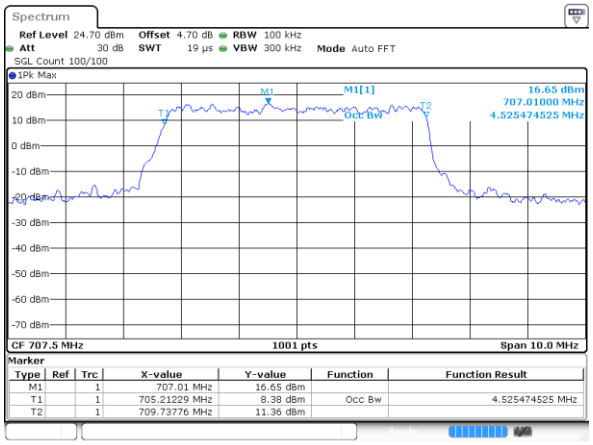
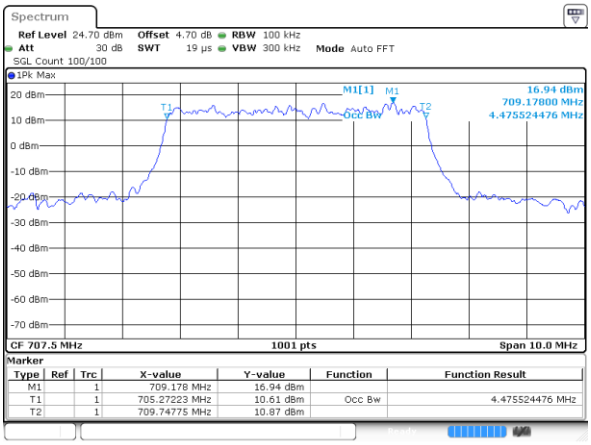
Middle Channel / 5MHz / QPSK



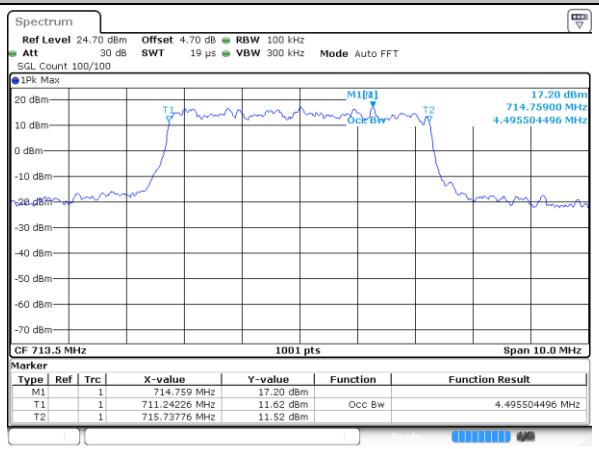
Date: 3.FEB.2020 18:18:04

Middle Channel / 5MHz / 16QAM



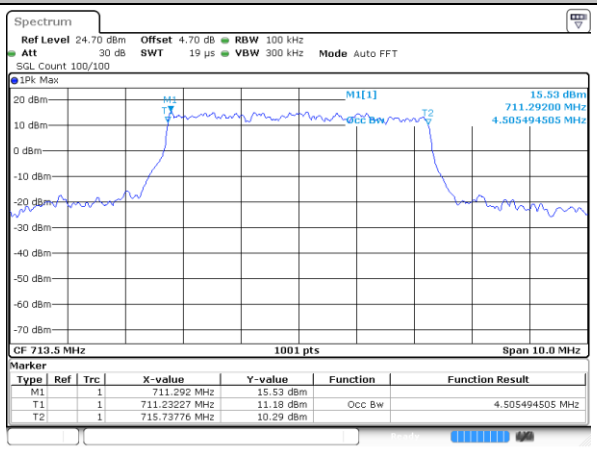
Date: 3.FEB.2020 18:17:54

Highest Channel / 5MHz / QPSK



Date: 3.FEB.2020 18:18:14

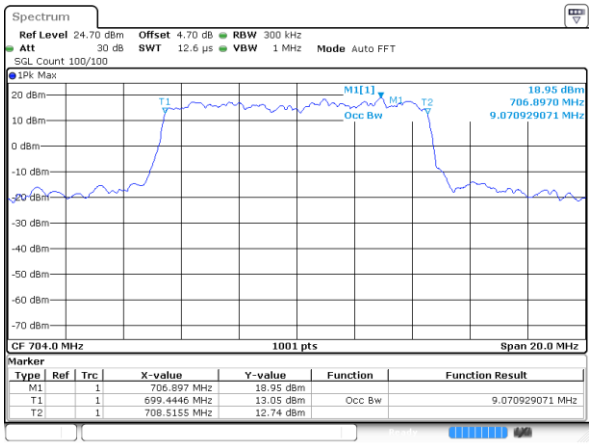
Highest Channel / 5MHz / 16QAM



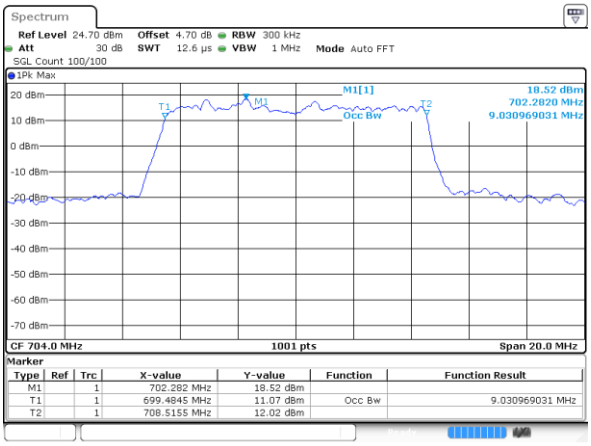
Date: 3.FEB.2020 18:18:24

LTE Band 12

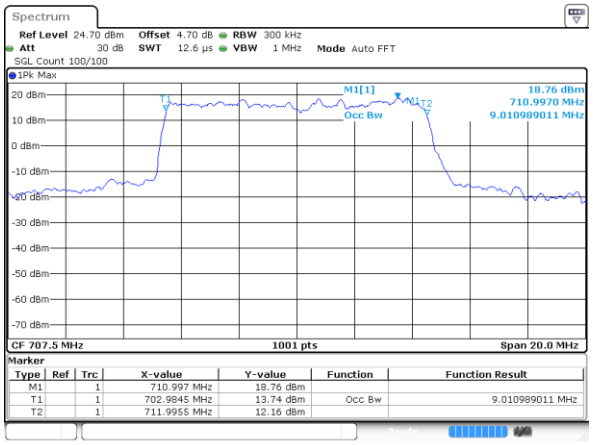
Lowest Channel / 10MHz / QPSK



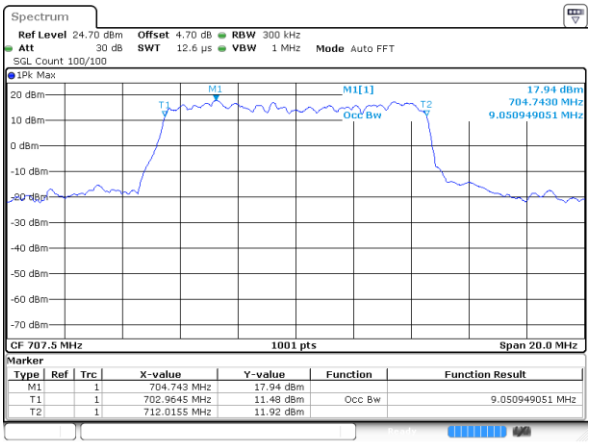
Lowest Channel / 10MHz / 16QAM



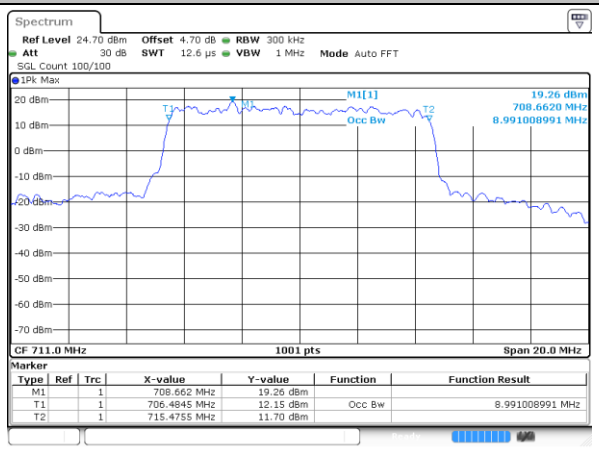
Middle Channel / 10MHz / QPSK



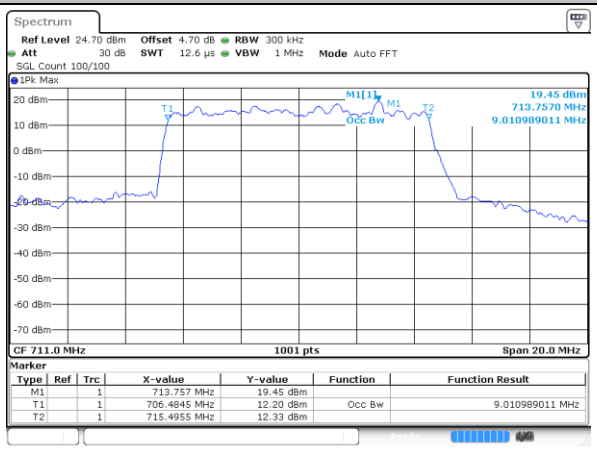
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



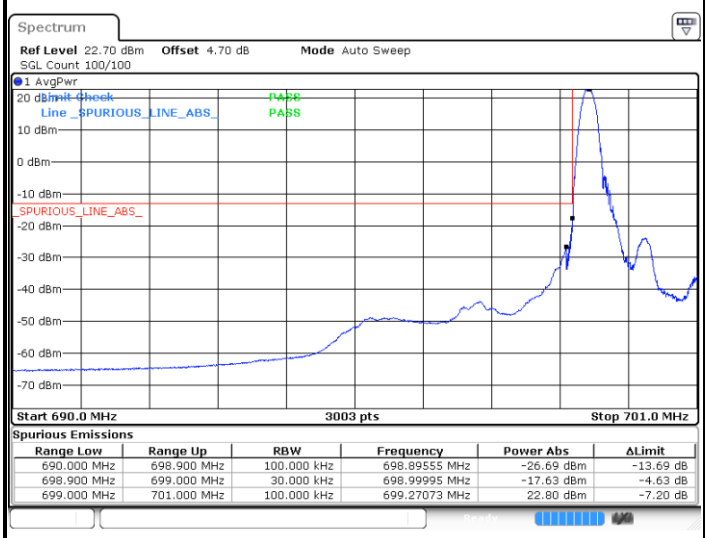
Highest Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB

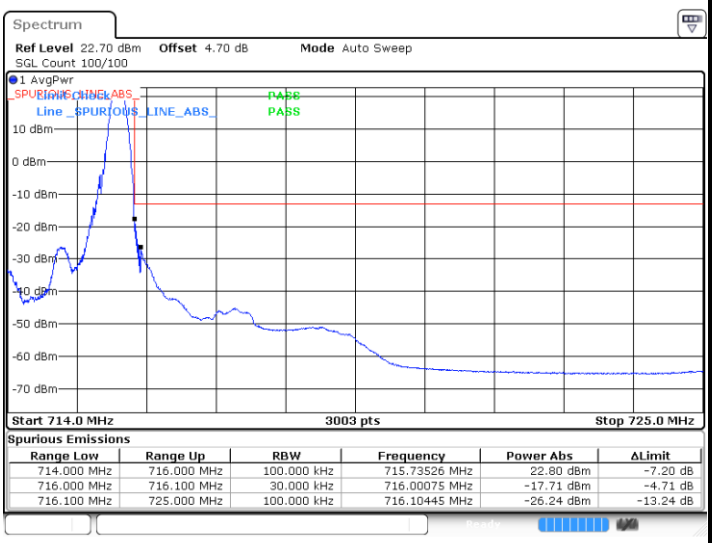


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.69 dBm	-13.69 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-17.63 dBm	-4.63 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.27073 MHz	22.80 dBm	-7.20 dB

Date: 3.FEB.2020 17:54:07

Highest Band Edge / 1RB

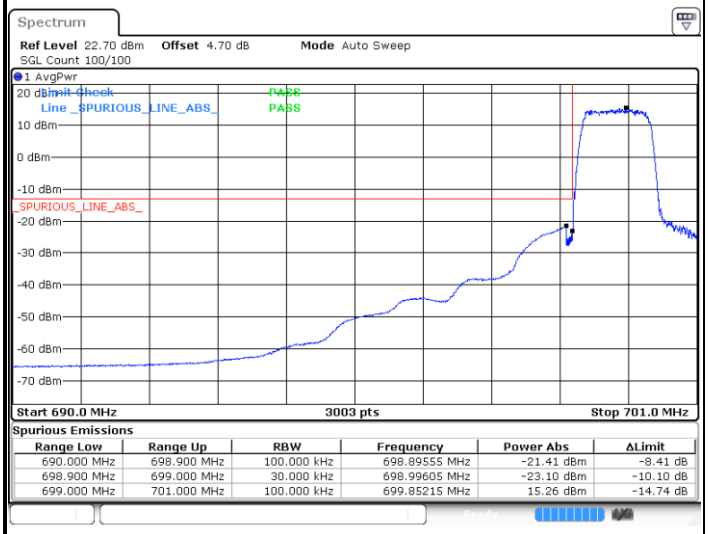


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.73526 MHz	22.80 dBm	-7.20 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00075 MHz	-17.71 dBm	-4.71 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.24 dBm	-13.24 dB

Date: 3.FEB.2020 17:59:46

Lowest Band Edge / Full RB

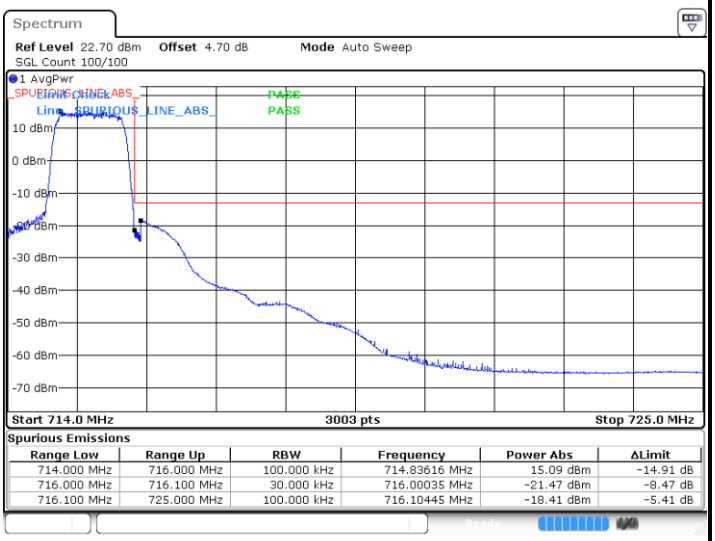


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-21.41 dBm	-8.41 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99605 MHz	-23.10 dBm	-10.10 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.85215 MHz	15.26 dBm	-14.74 dB

Date: 3.FEB.2020 17:55:15

Highest Band Edge / Full RB



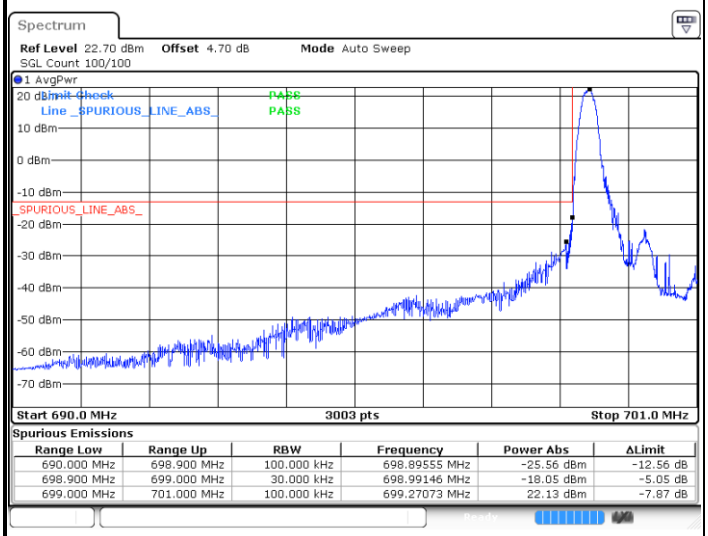
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	714.83616 MHz	15.09 dBm	-14.91 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00035 MHz	-21.47 dBm	-8.47 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-18.41 dBm	-5.41 dB

Date: 3.FEB.2020 17:58:38

LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

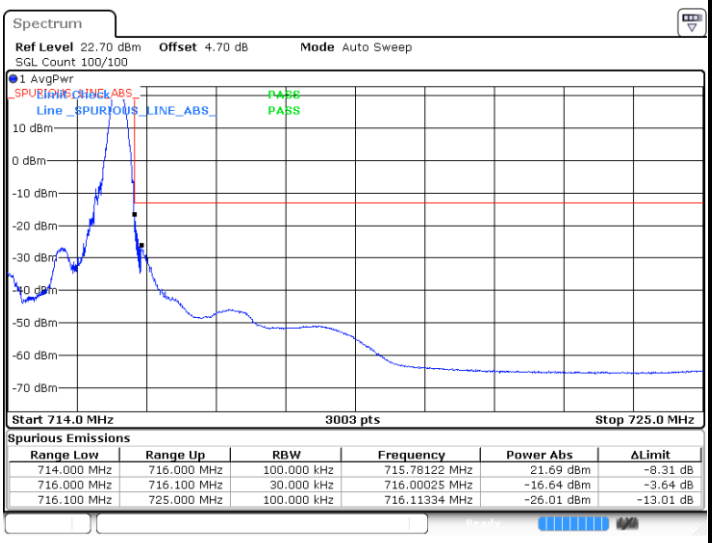


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.56 dBm	-12.56 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99146 MHz	-18.05 dBm	-5.05 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.27073 MHz	22.13 dBm	-7.87 dB

Date: 3.FEB.2020 17:53:00

Highest Band Edge / 1 RB

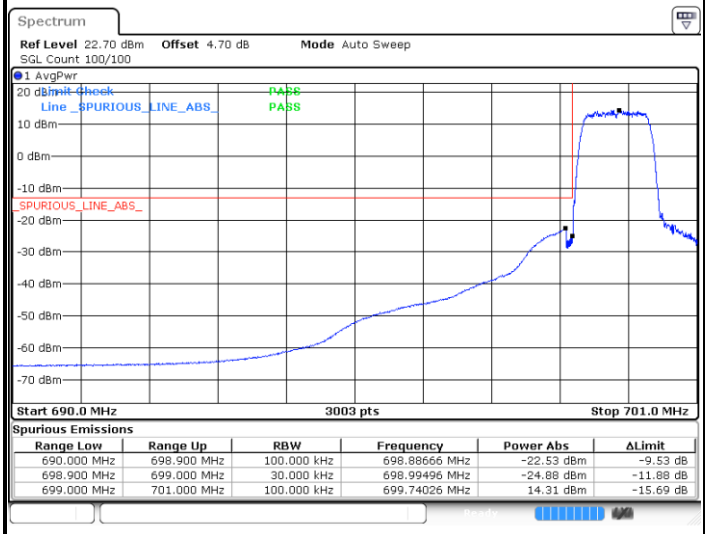


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.78122 MHz	21.69 dBm	-8.31 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00025 MHz	-16.64 dBm	-3.64 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-26.01 dBm	-13.01 dB

Date: 3.FEB.2020 18:00:53

Lowest Band Edge / Full RB

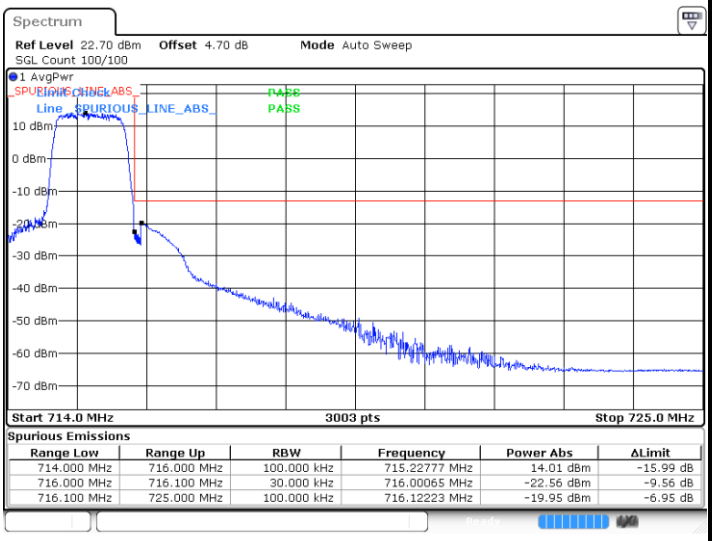


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-22.53 dBm	-9.53 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99496 MHz	-24.88 dBm	-11.88 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.74026 MHz	14.31 dBm	-15.69 dB

Date: 3.FEB.2020 17:56:23

Highest Band Edge / Full RB



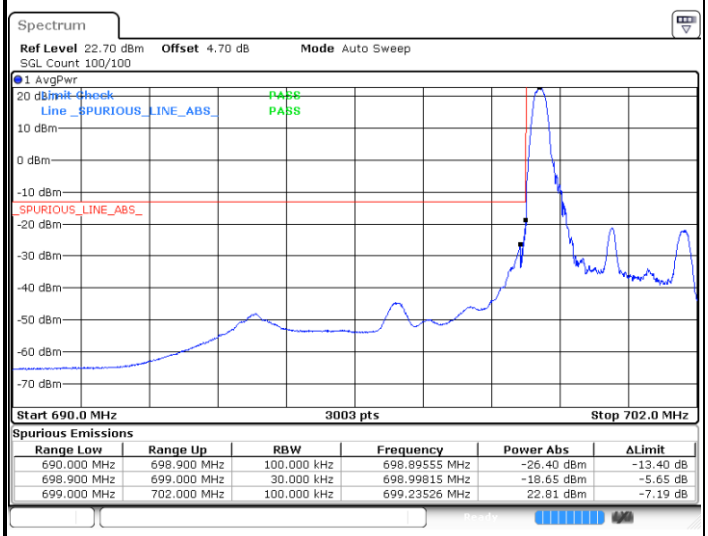
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.22777 MHz	14.01 dBm	-15.99 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00065 MHz	-22.56 dBm	-9.56 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.12223 MHz	-19.95 dBm	-6.95 dB

Date: 3.FEB.2020 17:57:30

LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

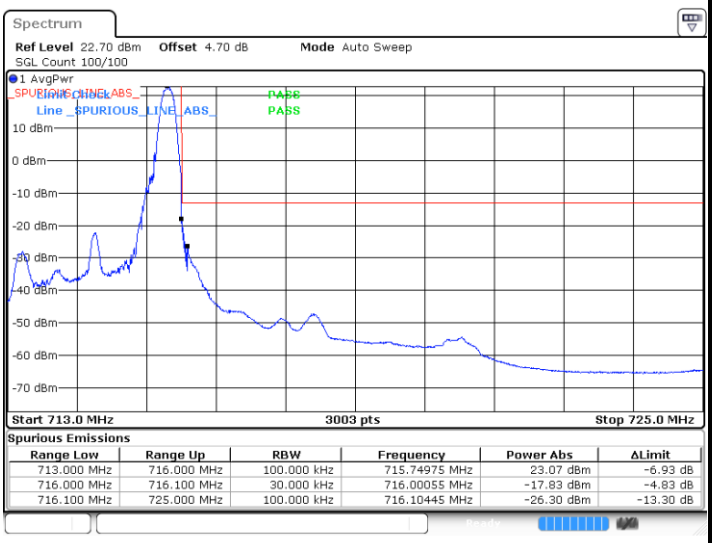


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.40 dBm	-13.40 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99815 MHz	-18.65 dBm	-5.65 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.23526 MHz	22.81 dBm	-7.19 dB

Date: 3.FEB.2020 18:10:38

Highest Band Edge / 1 RB

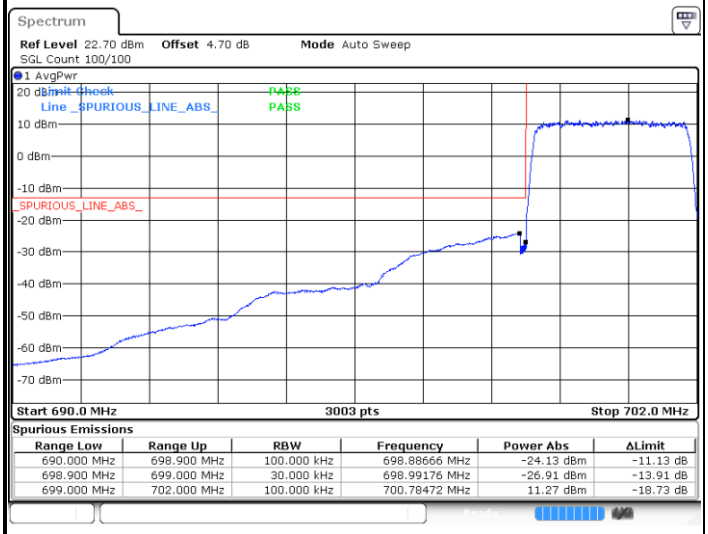


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.74975 MHz	23.07 dBm	-6.93 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00055 MHz	-17.83 dBm	-4.83 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.30 dBm	-13.30 dB

Date: 3.FEB.2020 18:16:16

Lowest Band Edge / Full RB

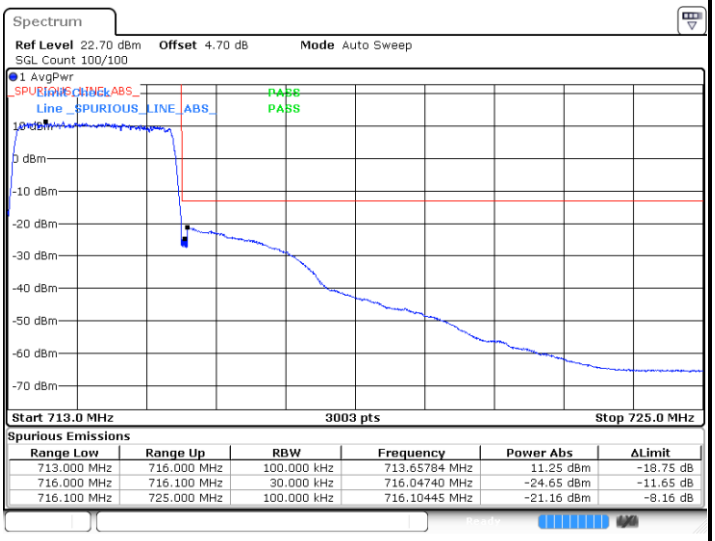


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-24.13 dBm	-11.13 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99176 MHz	-26.91 dBm	-13.91 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.78472 MHz	11.27 dBm	-18.73 dB

Date: 3.FEB.2020 18:11:46

Highest Band Edge / Full RB



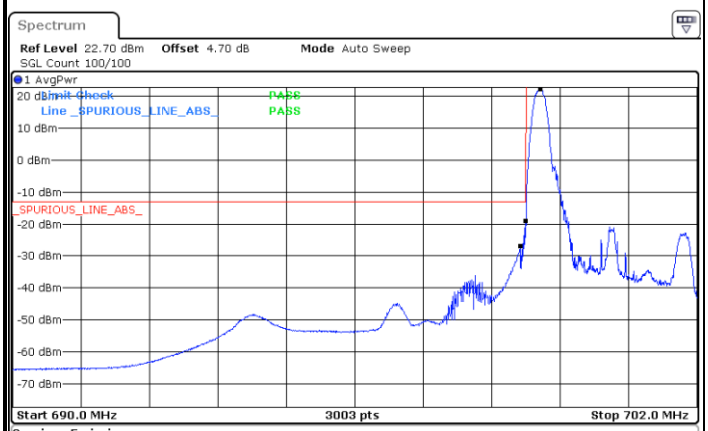
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	713.65784 MHz	11.25 dBm	-18.75 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.04740 MHz	-24.65 dBm	-11.65 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-21.16 dBm	-8.16 dB

Date: 3.FEB.2020 18:15:08

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	-27.00 dBm	-14.00 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99865 MHz	-18.94 dBm	-5.94 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.24725 MHz	22.08 dBm	-7.92 dB

Date: 3.FEB.2020 18:09:30

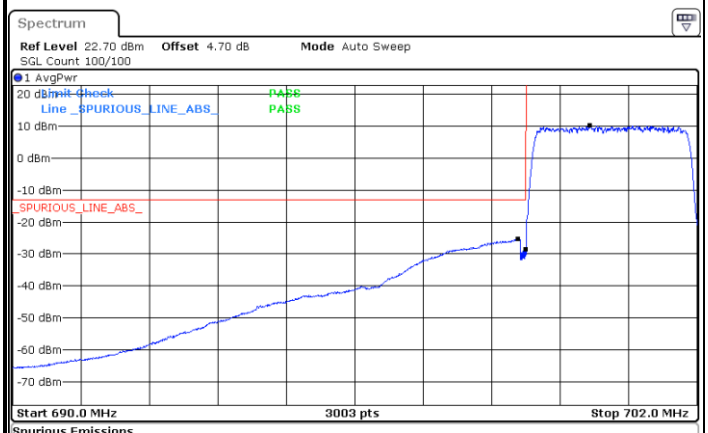
Highest Band Edge / 1 RB

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.74975 MHz	21.65 dBm	-8.35 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00095 MHz	-17.84 dBm	-4.84 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-26.86 dBm	-13.86 dB

Date: 3.FEB.2020 18:17:24

Lowest Band Edge / Full RB

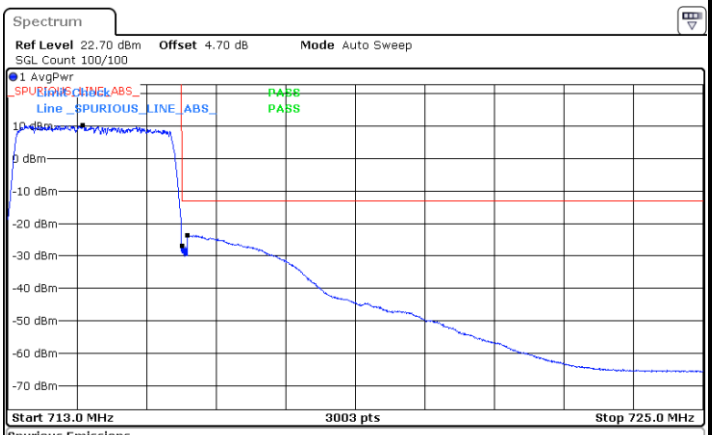


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.85999 MHz	-25.27 dBm	-12.27 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99655 MHz	-28.39 dBm	-15.39 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.12238 MHz	10.11 dBm	-19.89 dB

Date: 3.FEB.2020 18:12:53

Highest Band Edge / Full RB



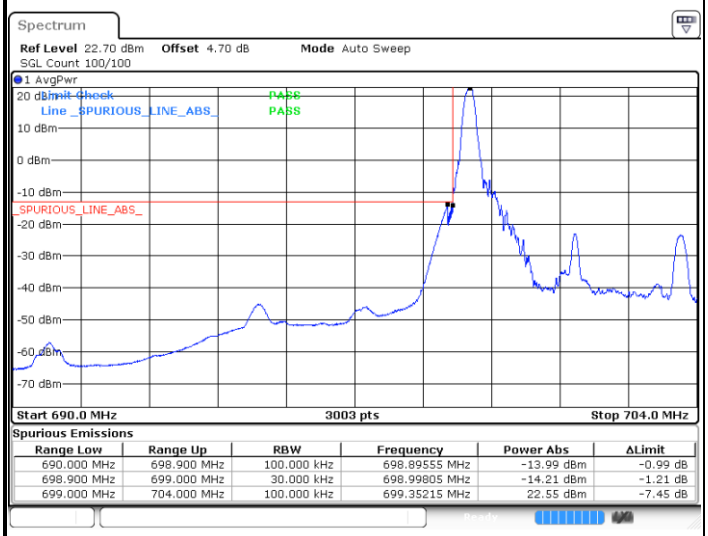
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	714.29920 MHz	10.10 dBm	-19.90 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00934 MHz	-26.98 dBm	-13.98 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-23.59 dBm	-10.59 dB

Date: 3.FEB.2020 18:14:01

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

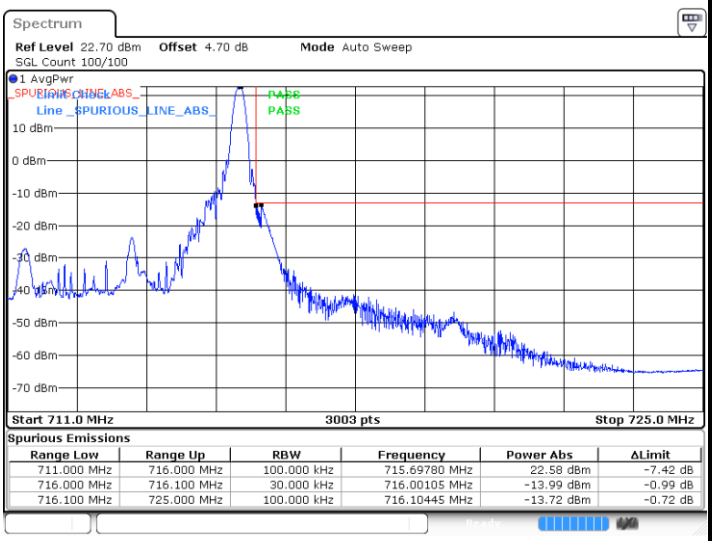


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-13.99 dBm	-0.99 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99805 MHz	-14.21 dBm	-1.21 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.35215 MHz	22.55 dBm	-7.45 dB

Date: 3.FEB.2020 18:27:08

Highest Band Edge / 1 RB

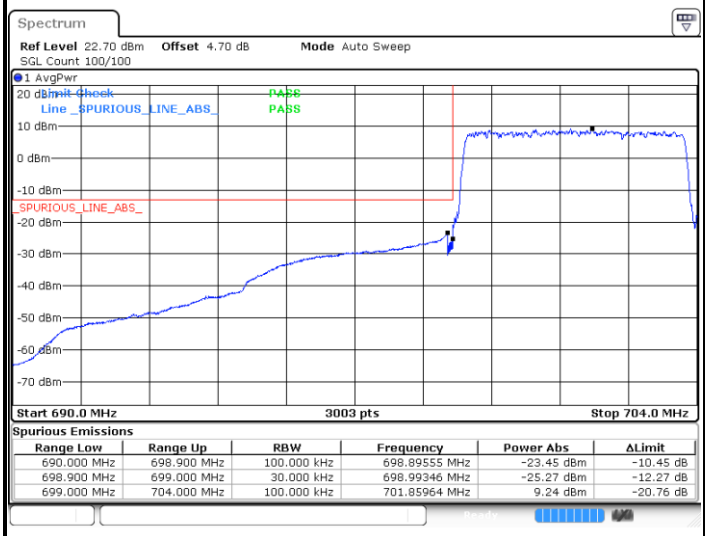


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.69780 MHz	22.58 dBm	-7.42 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00105 MHz	-13.99 dBm	-0.99 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-13.72 dBm	-0.72 dB

Date: 3.FEB.2020 18:32:47

Lowest Band Edge / Full RB

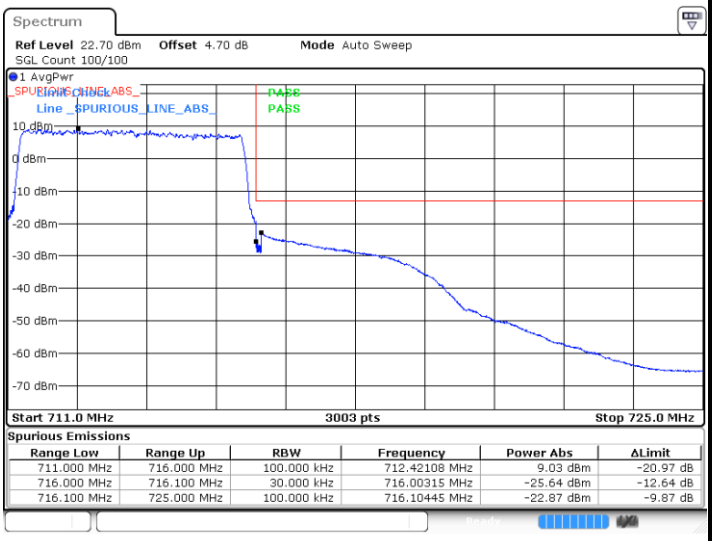


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-23.45 dBm	-10.45 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99346 MHz	-25.27 dBm	-12.27 dB
699.000 MHz	704.000 MHz	100.000 kHz	701.85964 MHz	9.24 dBm	-20.76 dB

Date: 3.FEB.2020 18:28:16

Highest Band Edge / Full RB



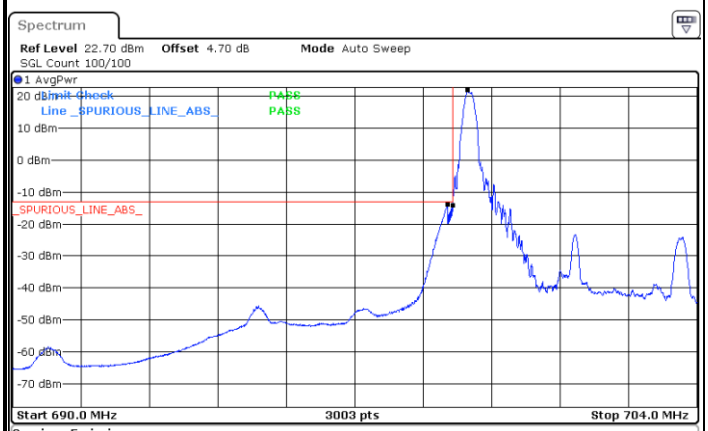
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.42108 MHz	9.03 dBm	-20.97 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00315 MHz	-25.64 dBm	-12.64 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-22.87 dBm	-9.87 dB

Date: 3.FEB.2020 18:31:39

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

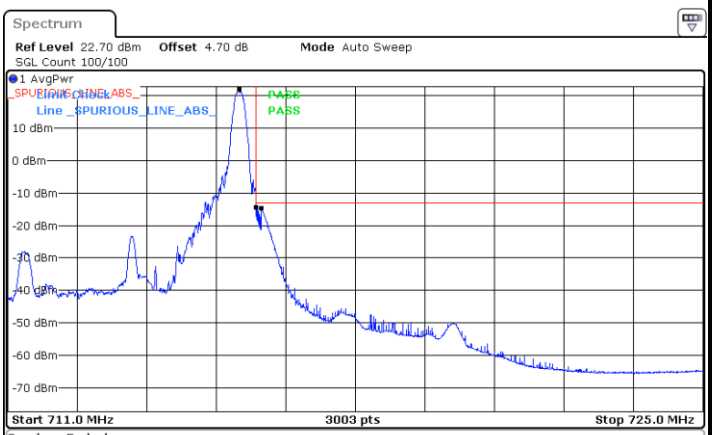


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-13.94 dBm	-0.94 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99655 MHz	-14.25 dBm	-1.25 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.30220 MHz	21.77 dBm	-8.23 dB

Date: 3.FEB.2020 18:26:01

Highest Band Edge / 1 RB

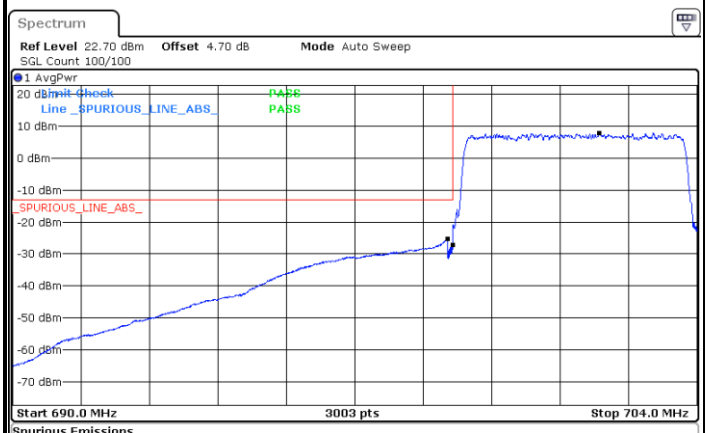


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.65285 MHz	21.96 dBm	-8.04 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00375 MHz	-14.32 dBm	-1.32 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-14.62 dBm	-1.62 dB

Date: 3.FEB.2020 18:33:54

Lowest Band Edge / Full RB

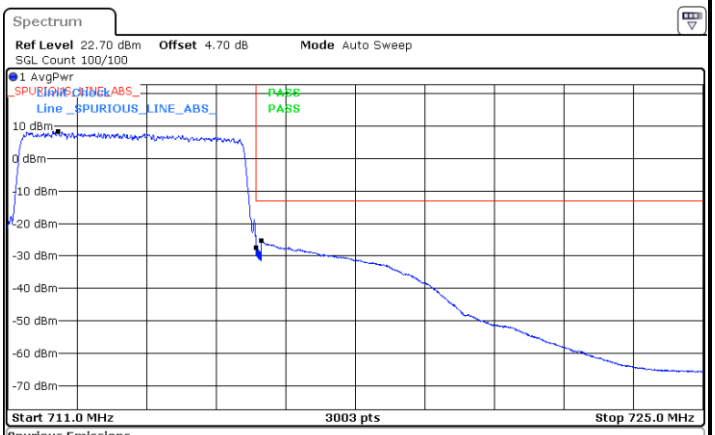


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.29 dBm	-12.29 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99845 MHz	-27.07 dBm	-14.07 dB
699.000 MHz	704.000 MHz	100.000 kHz	702.00450 MHz	7.73 dBm	-22.27 dB

Date: 3.FEB.2020 18:29:24

Highest Band Edge / Full RB



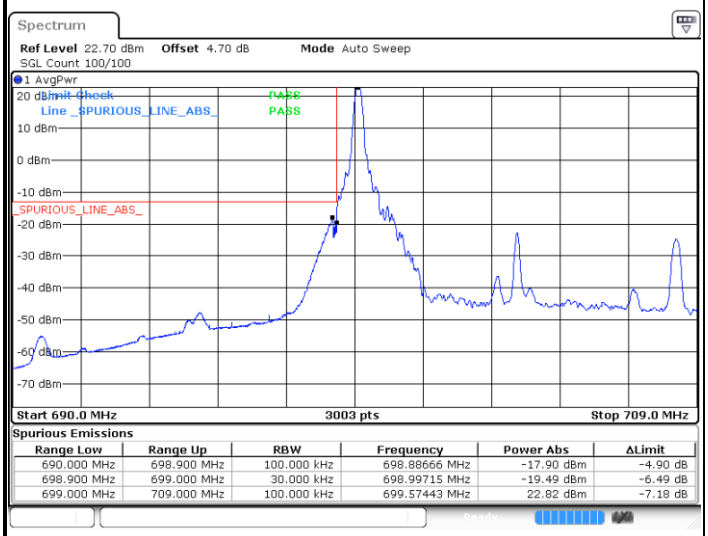
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.01149 MHz	8.35 dBm	-21.65 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00465 MHz	-27.42 dBm	-14.42 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-25.21 dBm	-12.21 dB

Date: 3.FEB.2020 18:30:31

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

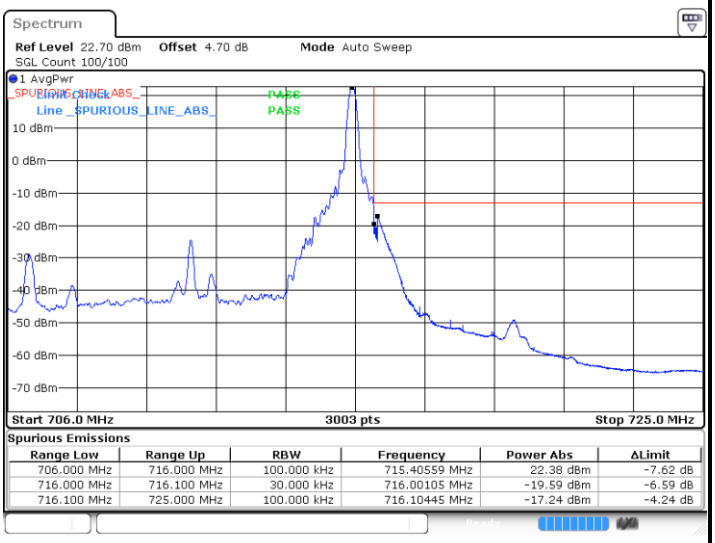


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-17.90 dBm	-4.90 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99715 MHz	-19.49 dBm	-6.49 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.57443 MHz	22.82 dBm	-7.18 dB

Date: 3.FEB.2020 18:43:39

Highest Band Edge / 1 RB

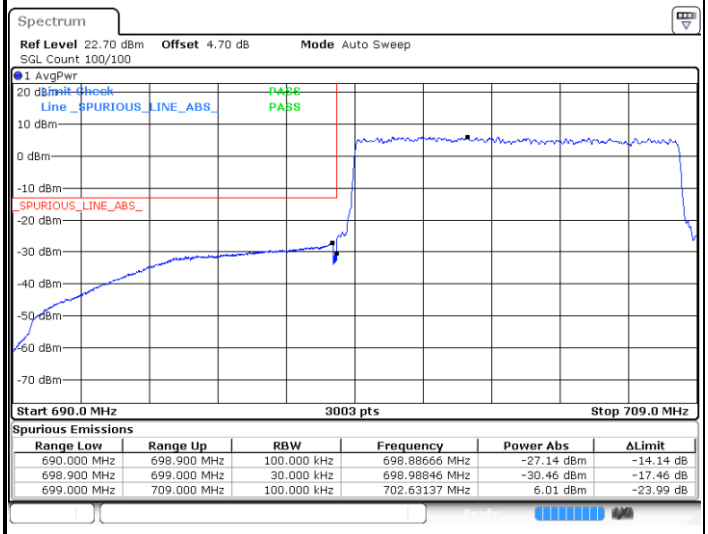


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.40559 MHz	22.38 dBm	-7.62 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00105 MHz	-19.59 dBm	-6.59 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-17.24 dBm	-4.24 dB

Date: 3.FEB.2020 18:49:17

Lowest Band Edge / Full RB

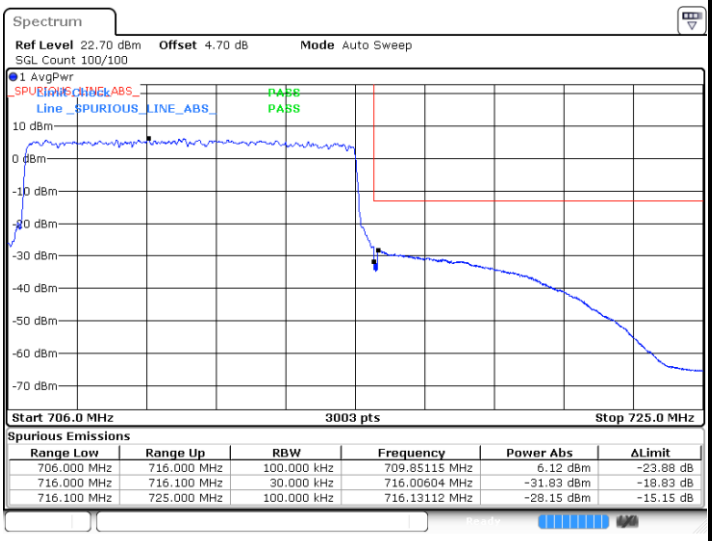


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-27.14 dBm	-14.14 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98846 MHz	-30.46 dBm	-17.46 dB
699.000 MHz	709.000 MHz	100.000 kHz	702.63137 MHz	6.01 dBm	-23.99 dB

Date: 3.FEB.2020 18:44:47

Highest Band Edge / Full RB



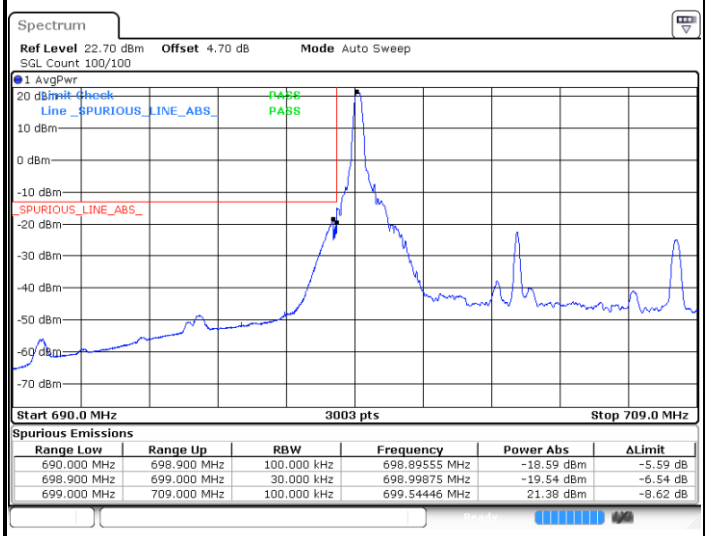
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.85115 MHz	6.12 dBm	-23.88 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00604 MHz	-31.83 dBm	-18.83 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.13112 MHz	-28.15 dBm	-15.15 dB

Date: 3.FEB.2020 18:48:10

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

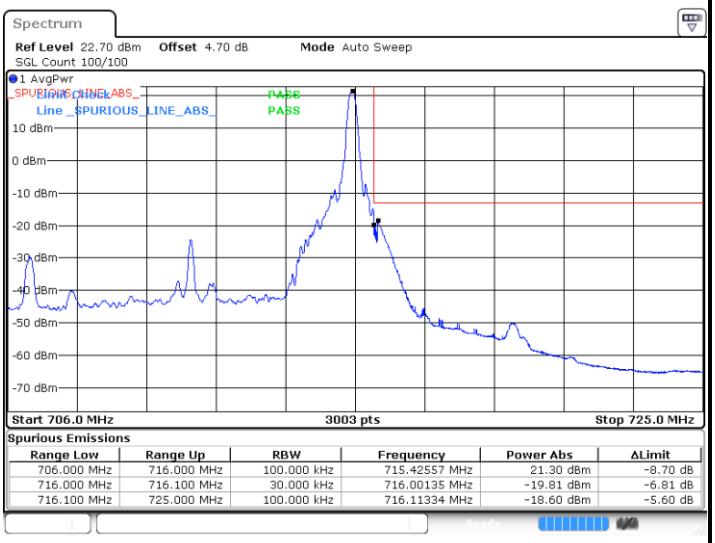


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-18.59 dBm	-5.59 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99875 MHz	-19.54 dBm	-6.54 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.54446 MHz	21.38 dBm	-8.62 dB

Date: 3.FEB.2020 18:42:31

Highest Band Edge / 1 RB

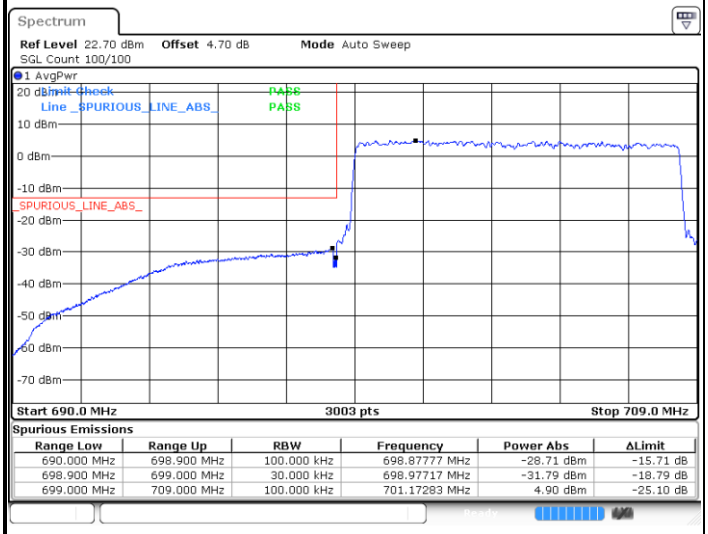


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.42557 MHz	21.30 dBm	-8.70 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00135 MHz	-19.81 dBm	-6.81 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.11334 MHz	-18.60 dBm	-5.60 dB

Date: 3.FEB.2020 18:50:25

Lowest Band Edge / Full RB

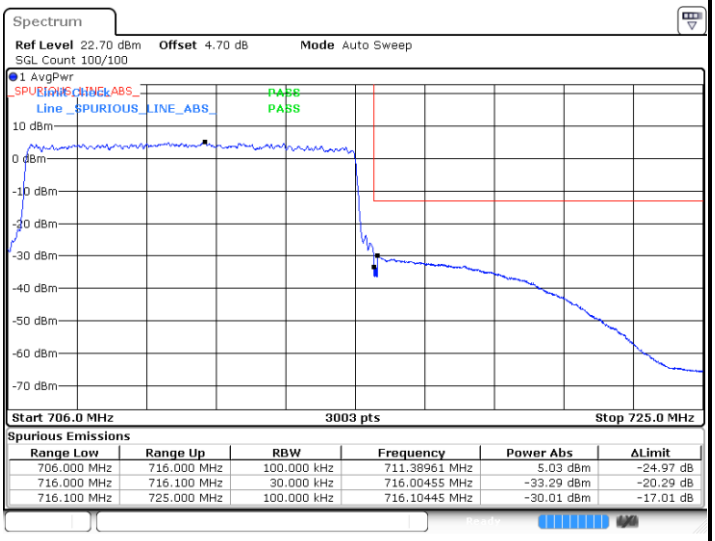


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.87777 MHz	-28.71 dBm	-15.71 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97717 MHz	-31.79 dBm	-18.79 dB
699.000 MHz	709.000 MHz	100.000 kHz	701.17283 MHz	4.90 dBm	-25.10 dB

Date: 3.FEB.2020 18:45:54

Highest Band Edge / Full RB



Spurious Emissions

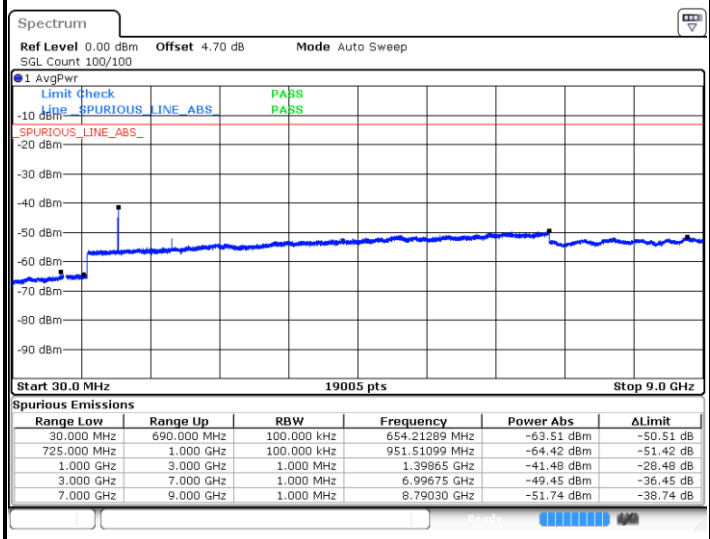
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	711.38961 MHz	5.03 dBm	-24.97 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00455 MHz	-33.29 dBm	-20.29 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.01 dBm	-17.01 dB

Date: 3.FEB.2020 18:47:02

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

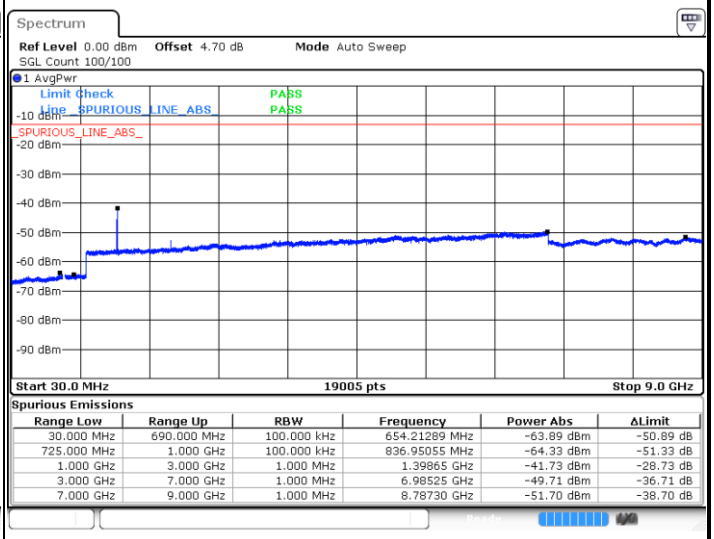


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-63.51 dBm	-50.51 dB
725.000 MHz	1.000 GHz	100.000 kHz	951.51099 MHz	-64.42 dBm	-51.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-41.48 dBm	-28.48 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-49.45 dBm	-36.45 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79030 GHz	-51.74 dBm	-38.74 dB

Date: 3.FEB.2020 17:47:18

Lowest Channel / 16QAM

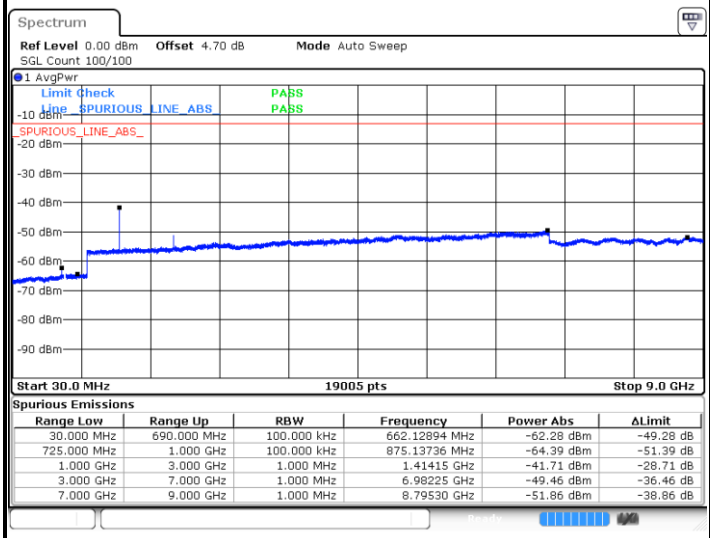


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-63.89 dBm	-50.89 dB
725.000 MHz	1.000 GHz	100.000 kHz	836.95055 MHz	-64.33 dBm	-51.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-41.73 dBm	-28.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98525 GHz	-49.71 dBm	-36.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78730 GHz	-51.70 dBm	-38.70 dB

Date: 3.FEB.2020 17:48:12

Middle Channel / QPSK

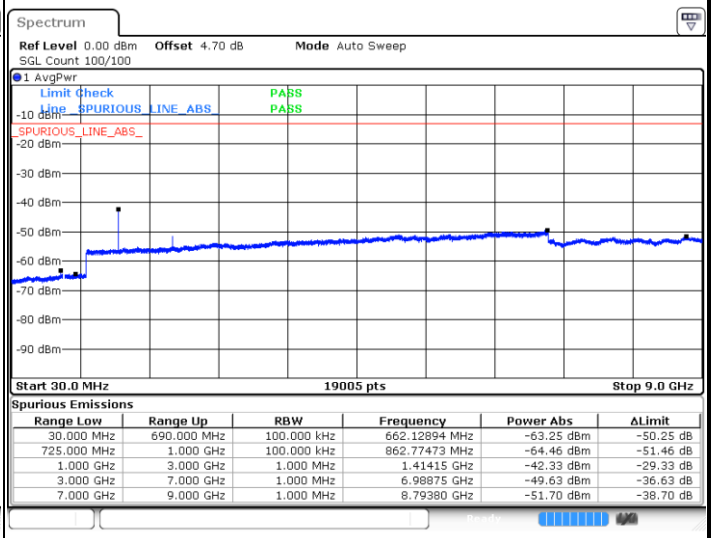


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	662.12894 MHz	-62.28 dBm	-49.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	875.13736 MHz	-64.39 dBm	-51.39 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-41.71 dBm	-28.71 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98225 GHz	-49.46 dBm	-36.46 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79530 GHz	-51.86 dBm	-38.86 dB

Date: 3.FEB.2020 17:50:02

Middle Channel / 16QAM



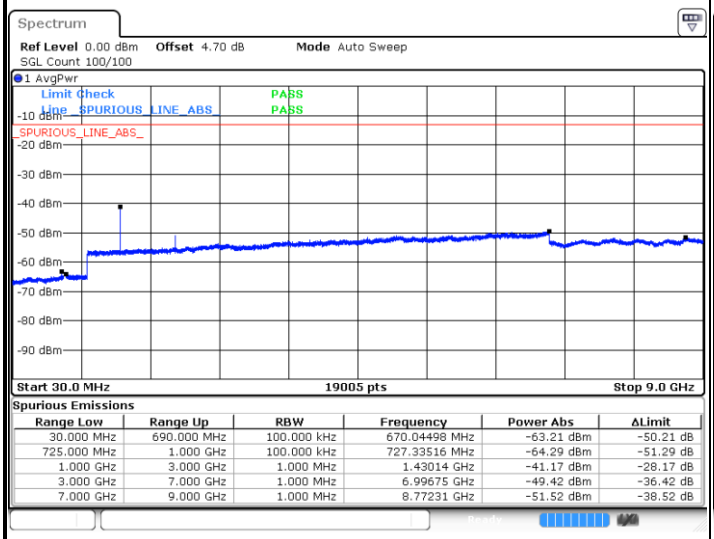
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	662.12894 MHz	-63.25 dBm	-50.25 dB
725.000 MHz	1.000 GHz	100.000 kHz	862.77473 MHz	-64.46 dBm	-51.46 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-42.33 dBm	-29.33 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98875 GHz	-49.63 dBm	-36.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79380 GHz	-51.70 dBm	-38.70 dB

Date: 3.FEB.2020 17:49:07

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

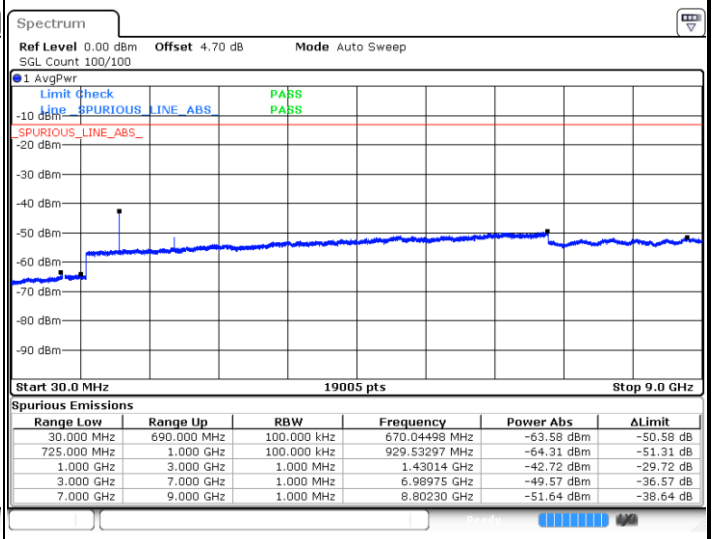


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-63.21 dBm	-50.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	727.33516 MHz	-64.29 dBm	-51.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-41.17 dBm	-28.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99675 GHz	-49.42 dBm	-36.42 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77231 GHz	-51.52 dBm	-38.52 dB

Date: 3.FEB.2020 17:50:57

Highest Channel / 16QAM



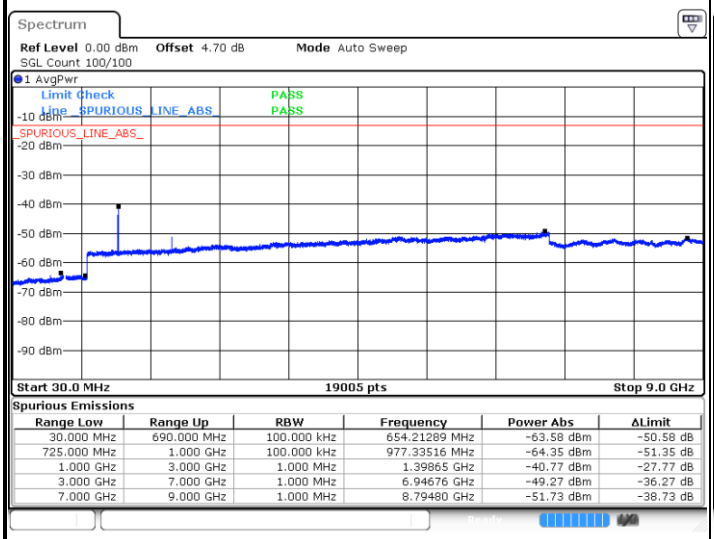
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-63.58 dBm	-50.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	929.53297 MHz	-64.31 dBm	-51.31 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-42.72 dBm	-29.72 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98975 GHz	-49.57 dBm	-36.57 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80230 GHz	-51.64 dBm	-38.64 dB

Date: 3.FEB.2020 17:51:51

LTE Band 12 / 3MHz

Lowest Channel / QPSK

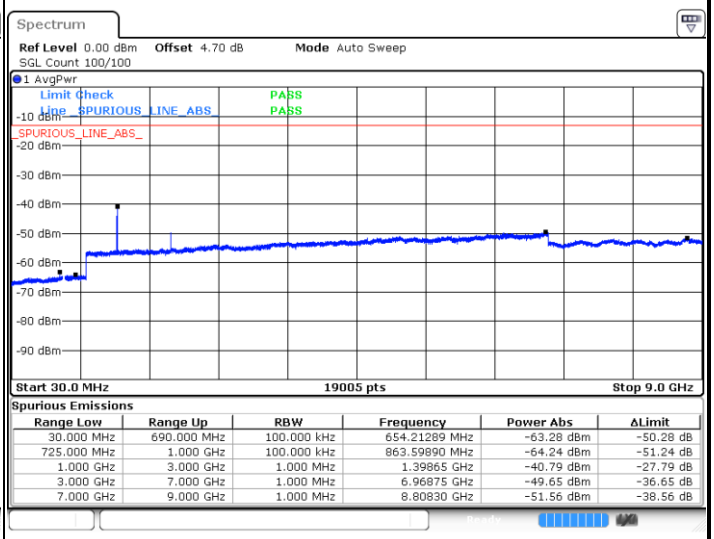


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-63.58 dBm	-50.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	977.33516 MHz	-64.35 dBm	-51.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-40.77 dBm	-27.77 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94676 GHz	-49.27 dBm	-36.27 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79480 GHz	-51.73 dBm	-38.73 dB

Date: 3.FEB.2020 18:03:48

Lowest Channel / 16QAM



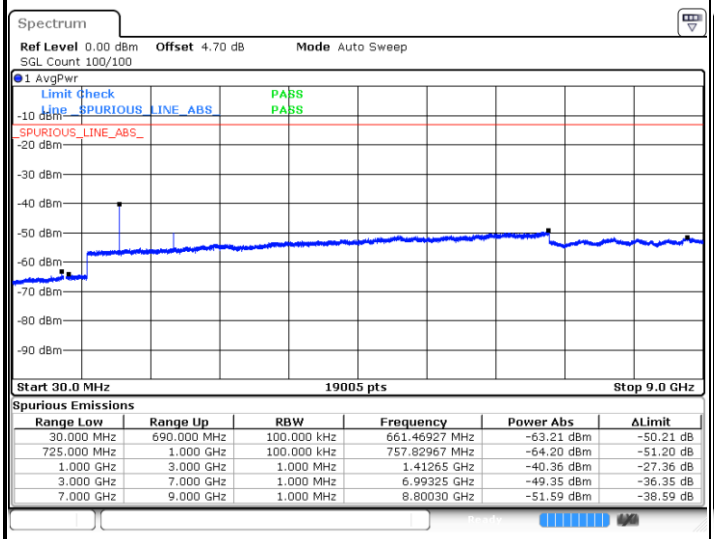
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-63.28 dBm	-50.28 dB
725.000 MHz	1.000 GHz	100.000 kHz	863.59890 MHz	-64.24 dBm	-51.24 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-40.79 dBm	-27.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96875 GHz	-49.65 dBm	-36.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80830 GHz	-51.56 dBm	-38.56 dB

Date: 3.FEB.2020 18:04:43

LTE Band 12 / 3MHz

Middle Channel / QPSK

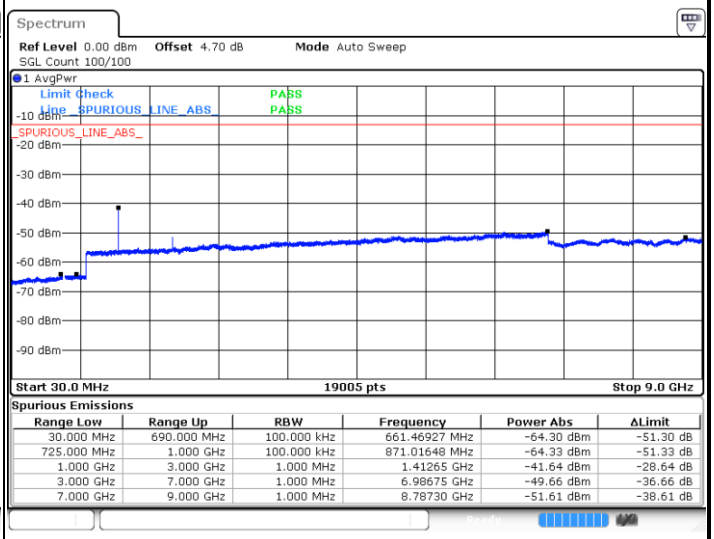


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	661.46927 MHz	-63.21 dBm	-50.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	757.82967 MHz	-64.20 dBm	-51.20 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-40.36 dBm	-27.36 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99325 GHz	-49.35 dBm	-36.35 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80030 GHz	-51.59 dBm	-38.59 dB

Date: 3.FEB.2020 18:06:32

Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	661.46927 MHz	-64.30 dBm	-51.30 dB
725.000 MHz	1.000 GHz	100.000 kHz	871.01648 MHz	-64.33 dBm	-51.33 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41265 GHz	-41.64 dBm	-28.64 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98675 GHz	-49.66 dBm	-36.66 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78730 GHz	-51.61 dBm	-38.61 dB

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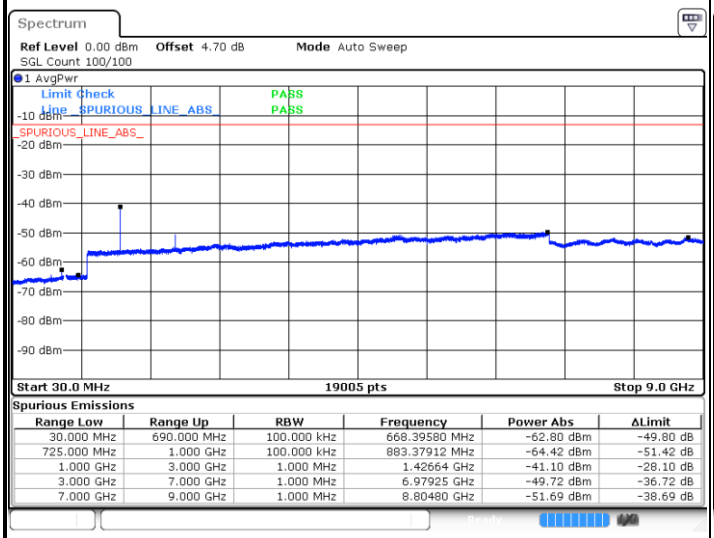
Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.39580 MHz	-62.80 dBm	-49.80 dB
725.000 MHz	1.000 GHz	100.000 kHz	883.37912 MHz	-64.42 dBm	-51.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-41.10 dBm	-28.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97925 GHz	-49.72 dBm	-36.72 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80480 GHz	-51.69 dBm	-38.69 dB

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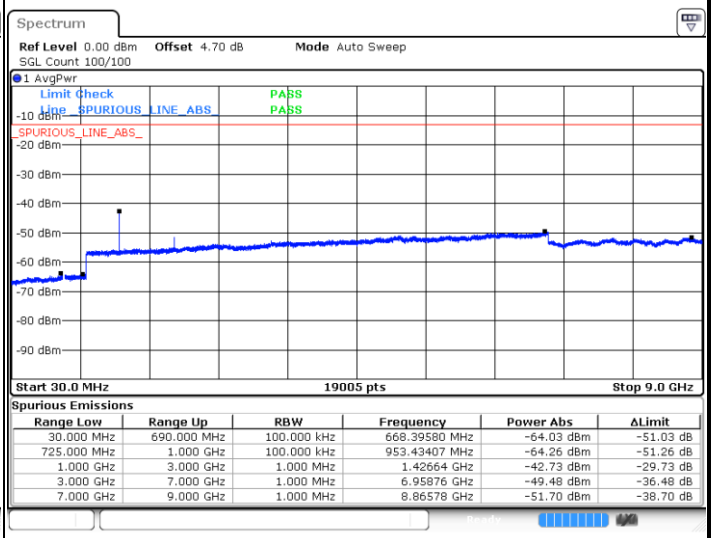
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	668.39580 MHz	-64.03 dBm	-51.03 dB
725.000 MHz	1.000 GHz	100.000 kHz	953.43407 MHz	-64.26 dBm	-51.26 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42664 GHz	-42.73 dBm	-29.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95876 GHz	-49.48 dBm	-36.48 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.86578 GHz	-51.70 dBm	-38.70 dB

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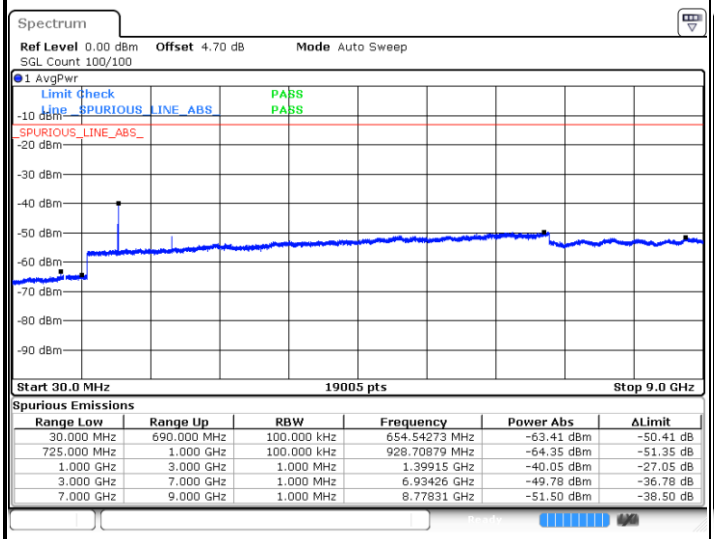
LTE Band 12 / 5MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-63.41 dBm	-50.41 dB
725.000 MHz	1.000 GHz	100.000 kHz	928.70879 MHz	-64.35 dBm	-51.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-40.05 dBm	-27.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.93426 GHz	-49.78 dBm	-36.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77831 GHz	-51.50 dBm	-38.50 dB

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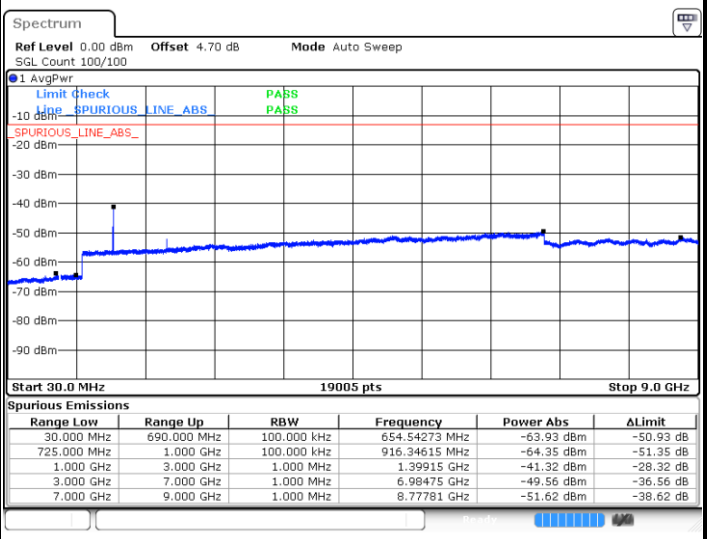
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-63.93 dBm	-50.93 dB
725.000 MHz	1.000 GHz	100.000 kHz	916.34615 MHz	-64.35 dBm	-51.35 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39915 GHz	-41.32 dBm	-28.32 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98475 GHz	-49.56 dBm	-36.56 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77781 GHz	-51.62 dBm	-38.62 dB

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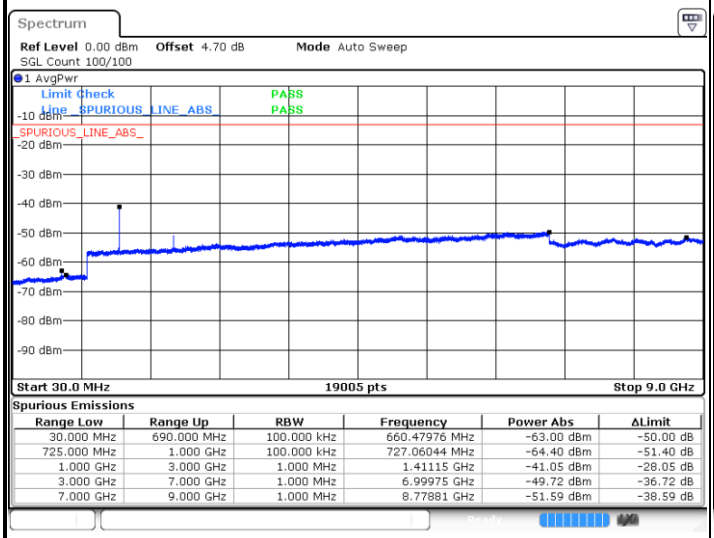
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	660.47976 MHz	-63.00 dBm	-50.00 dB
725.000 MHz	1.000 GHz	100.000 kHz	727.06044 MHz	-64.40 dBm	-51.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-41.05 dBm	-28.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99975 GHz	-49.72 dBm	-36.72 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77881 GHz	-51.59 dBm	-38.59 dB

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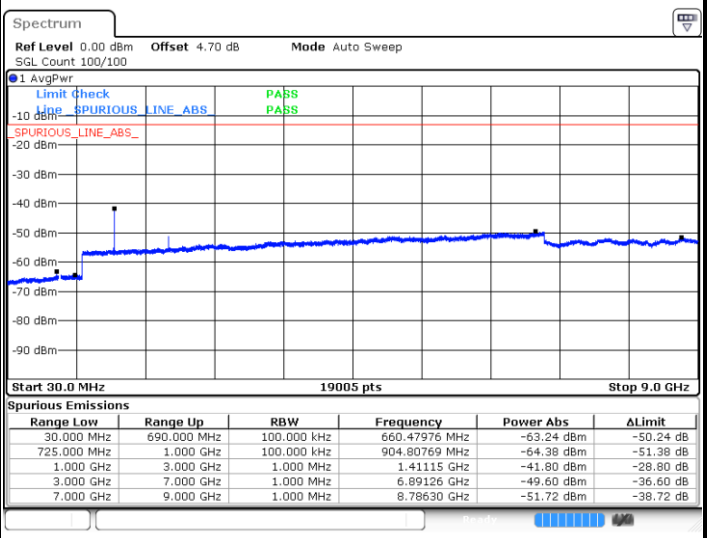
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	660.47976 MHz	-63.24 dBm	-50.24 dB
725.000 MHz	1.000 GHz	100.000 kHz	904.80769 MHz	-64.38 dBm	-51.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41115 GHz	-41.80 dBm	-28.80 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.89126 GHz	-49.60 dBm	-36.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78630 GHz	-51.72 dBm	-38.72 dB

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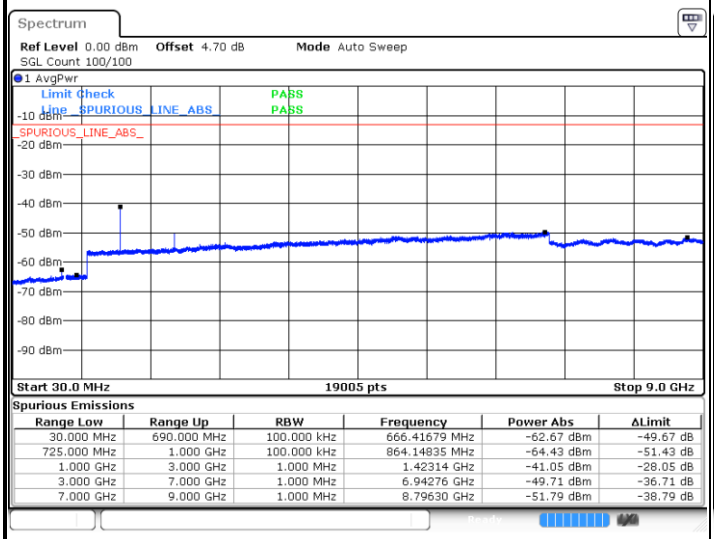
LTE Band 12 / 5MHz

Highest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.41679 MHz	-62.67 dBm	-49.67 dB
725.000 MHz	1.000 GHz	100.000 kHz	864.14835 MHz	-64.43 dBm	-51.43 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-41.05 dBm	-28.05 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.94276 GHz	-49.71 dBm	-36.71 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79630 GHz	-51.79 dBm	-38.79 dB

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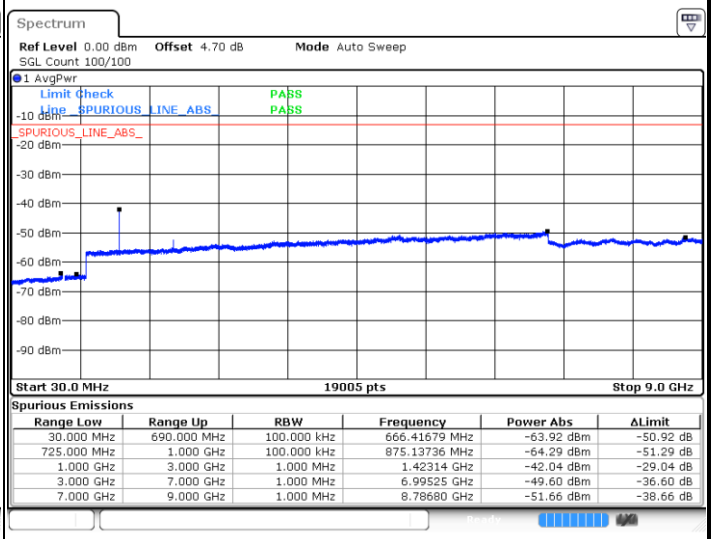
Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	666.41679 MHz	-63.92 dBm	-50.92 dB
725.000 MHz	1.000 GHz	100.000 kHz	875.13736 MHz	-64.29 dBm	-51.29 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.42314 GHz	-42.04 dBm	-29.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99525 GHz	-49.60 dBm	-36.60 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78680 GHz	-51.66 dBm	-38.66 dB

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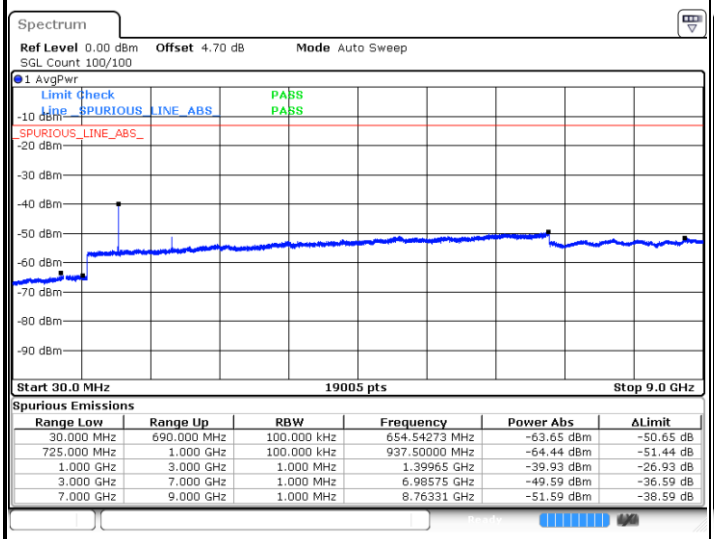
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-63.65 dBm	-50.65 dB
725.000 MHz	1.000 GHz	100.000 kHz	937.50000 MHz	-64.44 dBm	-51.44 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-39.93 dBm	-26.93 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98575 GHz	-49.59 dBm	-36.59 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76331 GHz	-51.59 dBm	-38.59 dB

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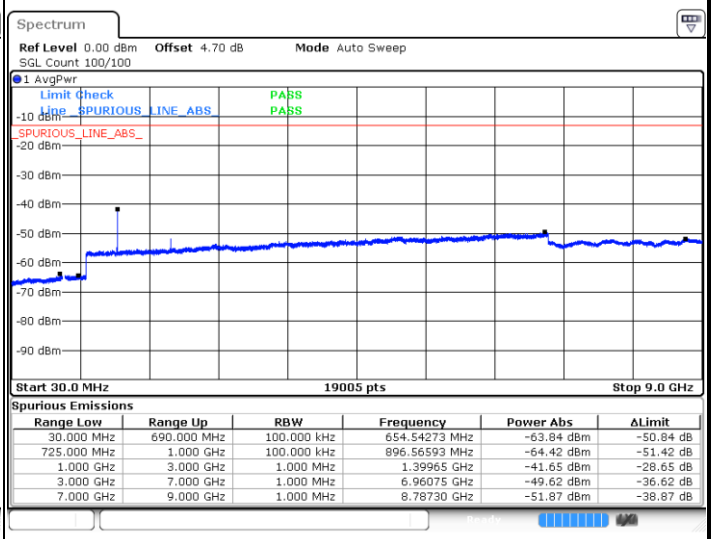
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.54273 MHz	-63.84 dBm	-50.84 dB
725.000 MHz	1.000 GHz	100.000 kHz	896.56593 MHz	-64.42 dBm	-51.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39965 GHz	-41.65 dBm	-28.65 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96075 GHz	-49.62 dBm	-36.62 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78730 GHz	-51.87 dBm	-38.87 dB

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