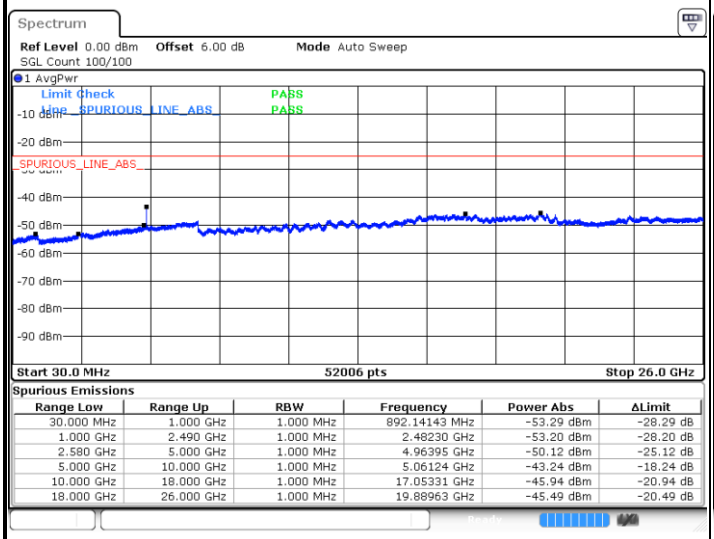
LTE Band 7 / 10MHz

Middle Channel / QPSK

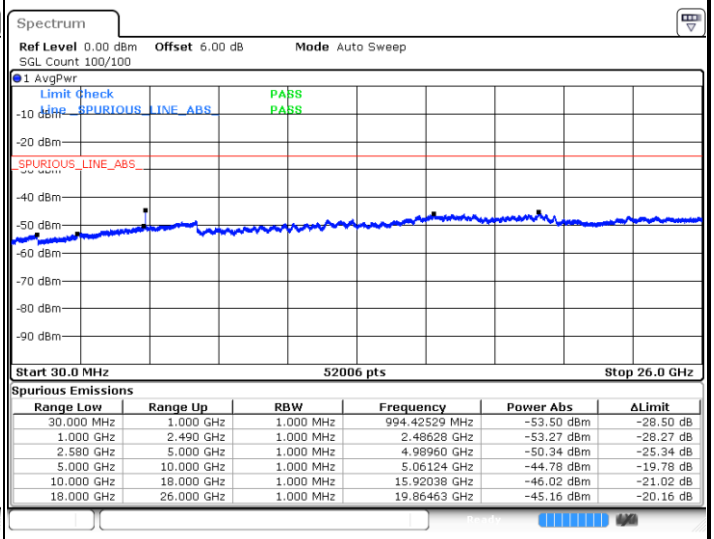


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	892.14143 MHz	-53.29 dBm	-28.29 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48230 GHz	-53.20 dBm	-28.20 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.96395 GHz	-50.12 dBm	-25.12 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06124 GHz	-43.24 dBm	-18.24 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.05331 GHz	-45.94 dBm	-20.94 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.88963 GHz	-45.49 dBm	-20.49 dB

Date: 2.AUG.2020 00:47:17

Middle Channel / 16QAM

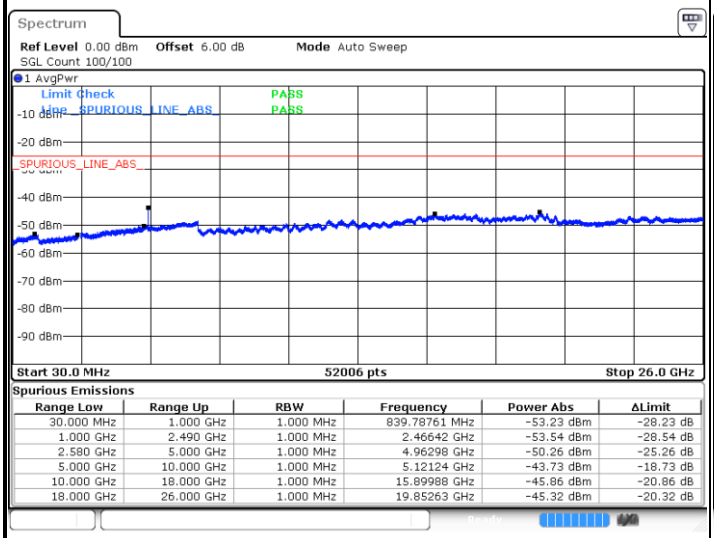


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	994.42529 MHz	-53.50 dBm	-28.50 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48628 GHz	-53.27 dBm	-28.27 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98960 GHz	-50.34 dBm	-25.34 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.06124 GHz	-44.78 dBm	-19.78 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.92038 GHz	-46.02 dBm	-21.02 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86463 GHz	-45.16 dBm	-20.16 dB

Date: 2.AUG.2020 00:46:23

Highest Channel / QPSK

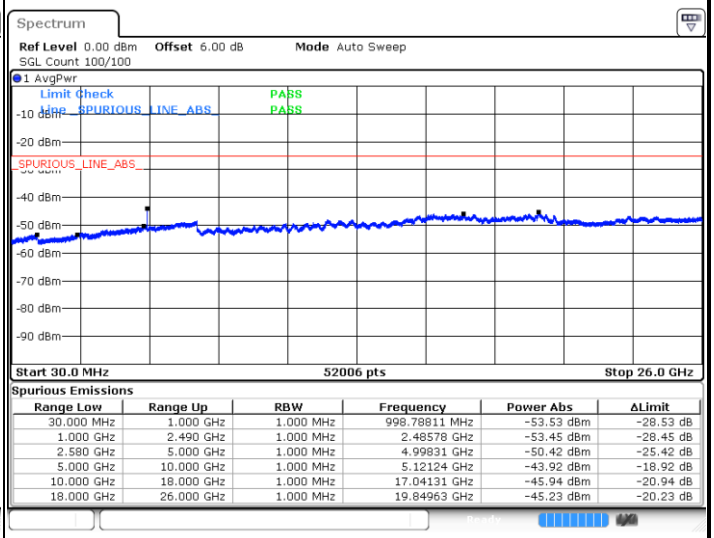


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	839.78761 MHz	-53.23 dBm	-28.23 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46642 GHz	-53.54 dBm	-28.54 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.96298 GHz	-50.26 dBm	-25.26 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.12124 GHz	-43.73 dBm	-18.73 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.89988 GHz	-45.86 dBm	-20.86 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85263 GHz	-45.32 dBm	-20.32 dB

Date: 2.AUG.2020 00:48:11

Highest Channel / 16QAM



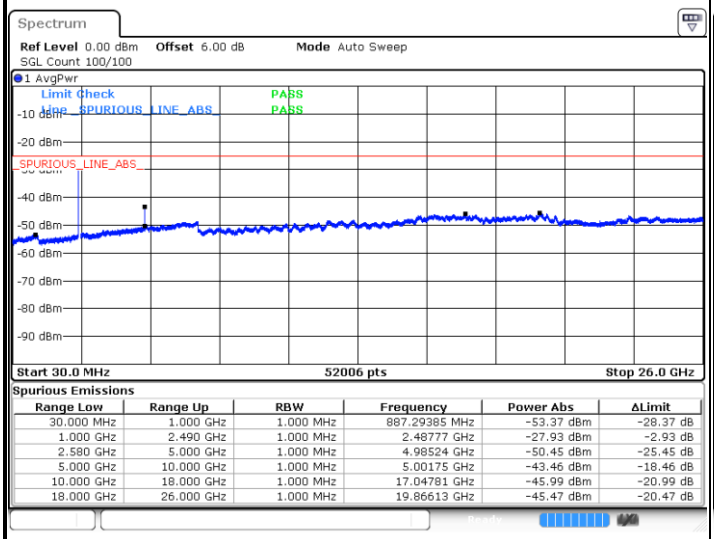
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	998.78811 MHz	-53.53 dBm	-28.53 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48578 GHz	-53.45 dBm	-28.45 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99831 GHz	-50.42 dBm	-25.42 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.12124 GHz	-43.92 dBm	-18.92 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04131 GHz	-45.94 dBm	-20.94 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.84963 GHz	-45.23 dBm	-20.23 dB

Date: 2.AUG.2020 00:49:04

LTE Band 7 / 15MHz

Lowest Channel / QPSK

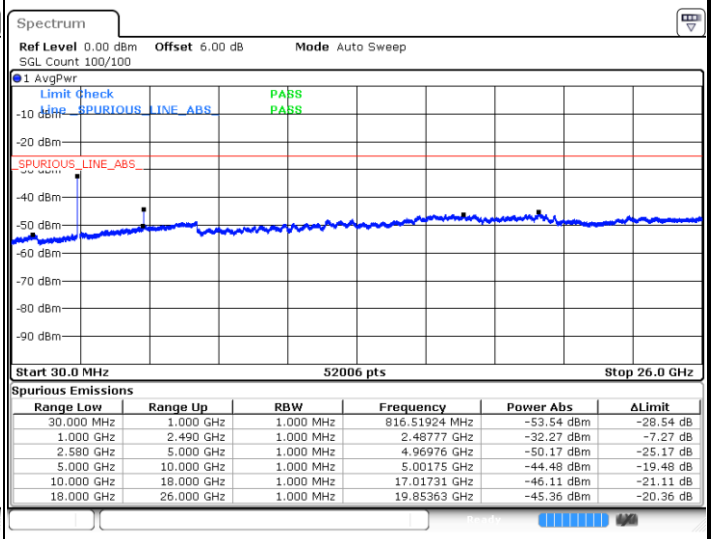


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	887.29385 MHz	-53.37 dBm	-28.37 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-27.93 dBm	-2.93 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98524 GHz	-50.45 dBm	-25.45 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00175 GHz	-43.46 dBm	-18.46 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.04781 GHz	-45.99 dBm	-20.99 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86613 GHz	-45.47 dBm	-20.47 dB

Date: 2.AUG.2020 01:01:03

Lowest Channel / 16QAM

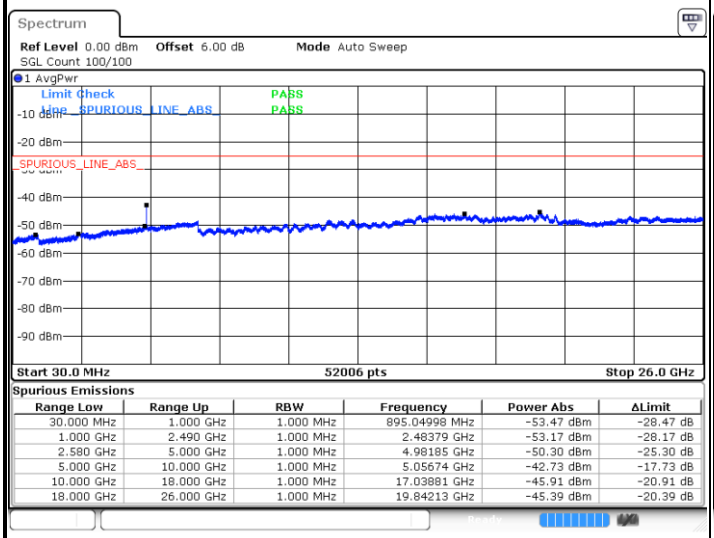


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	816.51924 MHz	-53.54 dBm	-28.54 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-32.27 dBm	-7.27 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.96976 GHz	-50.17 dBm	-25.17 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00175 GHz	-44.48 dBm	-19.48 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.01731 GHz	-46.11 dBm	-21.11 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85363 GHz	-45.36 dBm	-20.36 dB

Date: 2.AUG.2020 01:01:57

Middle Channel / QPSK

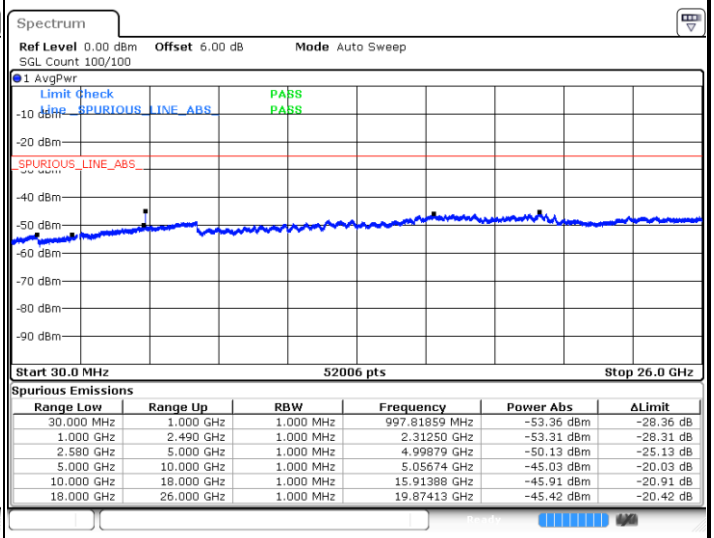


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	895.04998 MHz	-53.47 dBm	-28.47 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-53.17 dBm	-28.17 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98185 GHz	-50.30 dBm	-25.30 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05674 GHz	-42.73 dBm	-17.73 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.03881 GHz	-45.91 dBm	-20.91 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.84213 GHz	-45.39 dBm	-20.39 dB

Date: 2.AUG.2020 01:03:45

Middle Channel / 16QAM



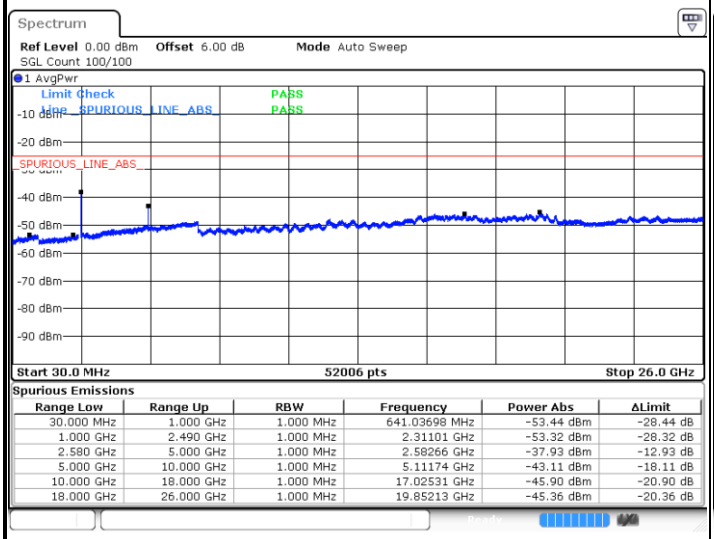
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	997.81859 MHz	-53.36 dBm	-28.36 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.31250 GHz	-53.31 dBm	-28.31 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.99879 GHz	-50.13 dBm	-25.13 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05674 GHz	-45.03 dBm	-20.03 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91388 GHz	-45.91 dBm	-20.91 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87413 GHz	-45.42 dBm	-20.42 dB

Date: 2.AUG.2020 01:02:51

LTE Band7 / 15MHz

Highest Channel / QPSK

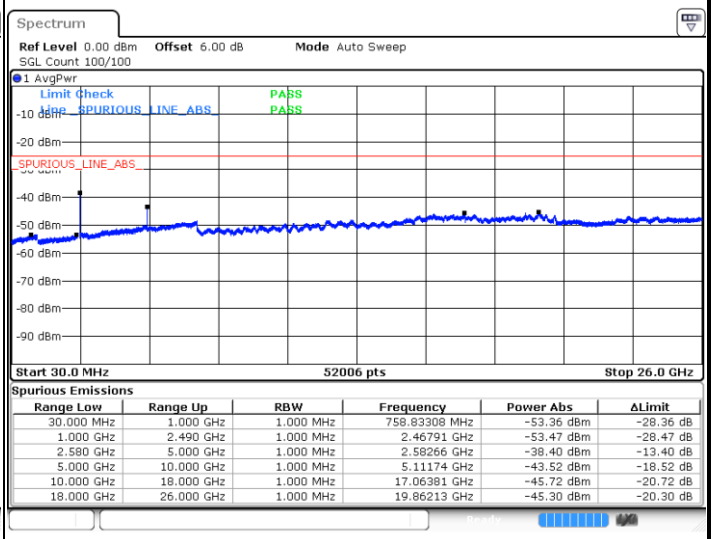


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	641.03698 MHz	-53.44 dBm	-28.44 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.31101 GHz	-53.32 dBm	-28.32 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-37.93 dBm	-12.93 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.11174 GHz	-43.11 dBm	-18.11 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.02531 GHz	-45.90 dBm	-20.90 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85213 GHz	-45.36 dBm	-20.36 dB

Date: 2.AUG.2020 01:04:38

Highest Channel / 16QAM



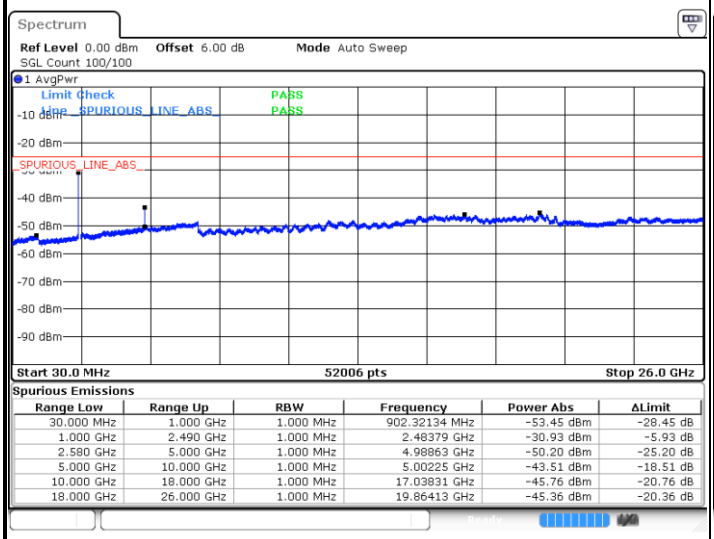
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	758.83308 MHz	-53.36 dBm	-28.36 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.46791 GHz	-53.47 dBm	-28.47 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58266 GHz	-38.40 dBm	-13.40 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.11174 GHz	-43.52 dBm	-18.52 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.06381 GHz	-45.72 dBm	-20.72 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86213 GHz	-45.30 dBm	-20.30 dB

Date: 2.AUG.2020 01:05:32

LTE Band 7 / 20MHz

Lowest Channel / QPSK

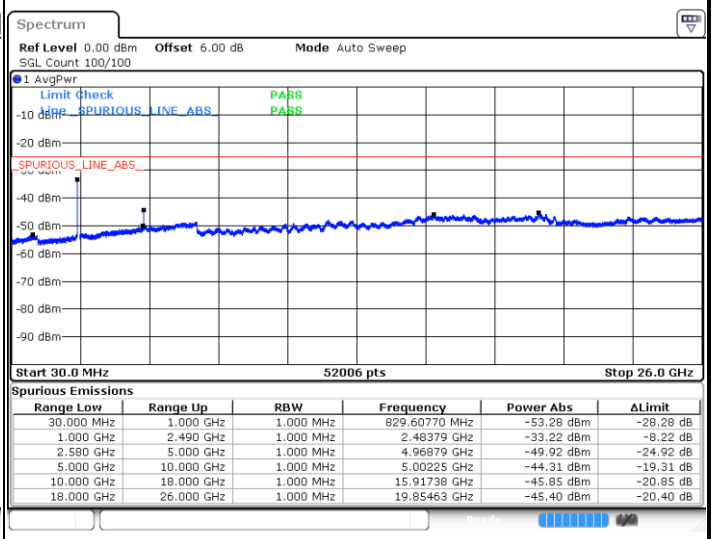


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	902.32134 MHz	-53.45 dBm	-28.45 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-30.93 dBm	-5.93 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98863 GHz	-50.20 dBm	-25.20 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00225 GHz	-43.51 dBm	-18.51 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.03831 GHz	-45.76 dBm	-20.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.86413 GHz	-45.36 dBm	-20.36 dB

Date: 2.AUG.2020 01:17:31

Lowest Channel / 16QAM



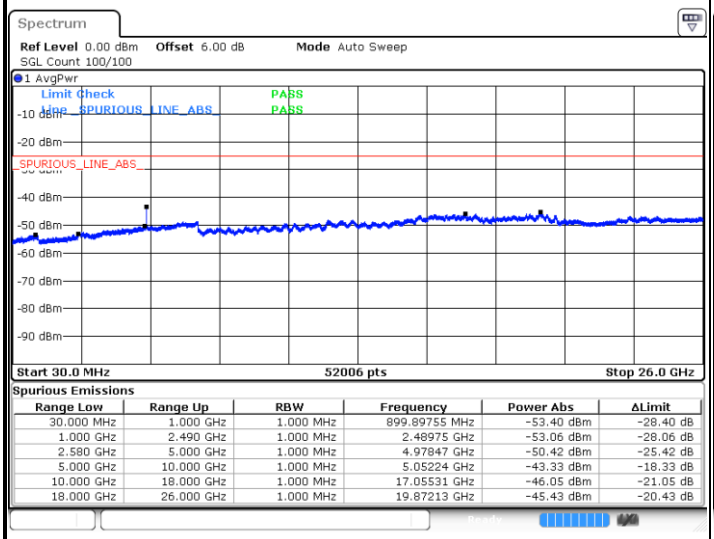
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	829.60770 MHz	-53.28 dBm	-28.28 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48379 GHz	-33.22 dBm	-8.22 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.96879 GHz	-49.92 dBm	-24.92 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.00225 GHz	-44.31 dBm	-19.31 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.91738 GHz	-45.85 dBm	-20.85 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85463 GHz	-45.40 dBm	-20.40 dB

Date: 2.AUG.2020 01:18:25

LTE Band 7 / 20MHz

Middle Channel / QPSK

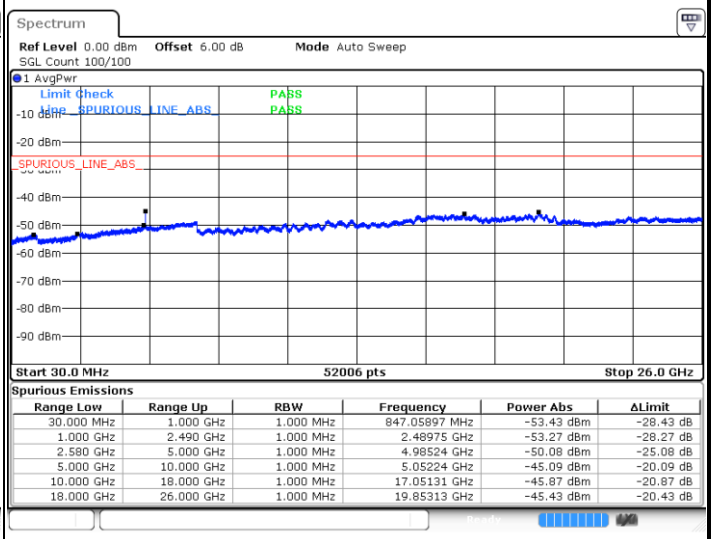


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	899.89755 MHz	-53.40 dBm	-28.40 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-53.06 dBm	-28.06 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.97847 GHz	-50.42 dBm	-25.42 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05224 GHz	-43.33 dBm	-18.33 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.05531 GHz	-46.05 dBm	-21.05 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.87213 GHz	-45.43 dBm	-20.43 dB

Date: 2.AUG.2020 01:20:12

Middle Channel / 16QAM

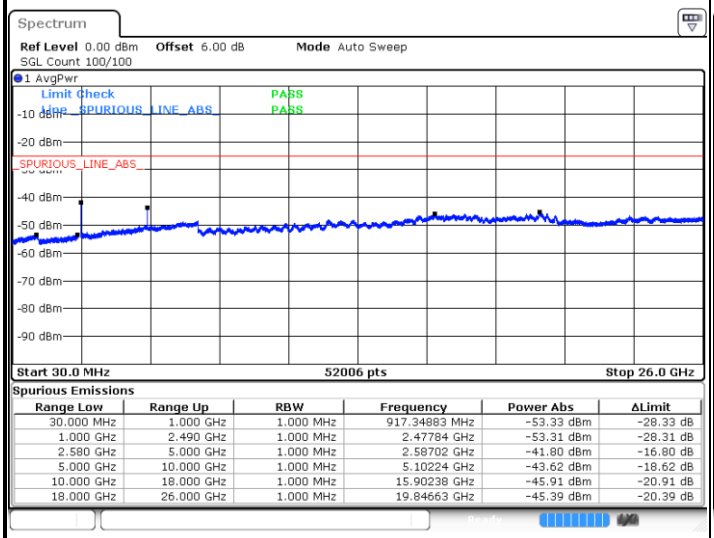


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	847.05897 MHz	-53.43 dBm	-28.43 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-53.27 dBm	-28.27 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.98524 GHz	-50.08 dBm	-25.08 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.05224 GHz	-45.09 dBm	-20.09 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.05131 GHz	-45.87 dBm	-20.87 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.85313 GHz	-45.43 dBm	-20.43 dB

Date: 2.AUG.2020 01:19:18

Highest Channel / QPSK

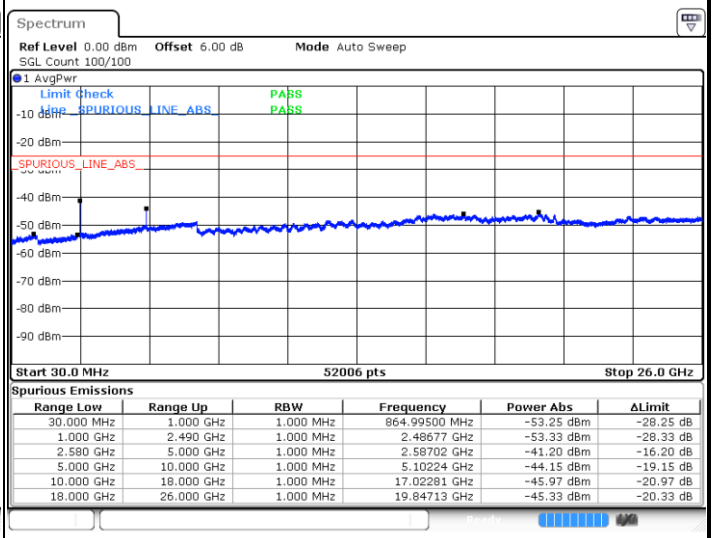


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	917.34883 MHz	-53.33 dBm	-28.33 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.47784 GHz	-53.31 dBm	-28.31 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-41.80 dBm	-16.80 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.10224 GHz	-43.62 dBm	-18.62 dB
10.000 GHz	18.000 GHz	1.000 MHz	15.90238 GHz	-45.91 dBm	-20.91 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.84663 GHz	-45.39 dBm	-20.39 dB

Date: 2.AUG.2020 01:21:06

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	864.99500 MHz	-53.25 dBm	-28.25 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48677 GHz	-53.33 dBm	-28.33 dB
2.580 GHz	5.000 GHz	1.000 MHz	2.58702 GHz	-41.20 dBm	-16.20 dB
5.000 GHz	10.000 GHz	1.000 MHz	5.10224 GHz	-44.15 dBm	-19.15 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.02281 GHz	-45.97 dBm	-20.97 dB
18.000 GHz	26.000 GHz	1.000 MHz	19.84713 GHz	-45.33 dBm	-20.33 dB

Date: 2.AUG.2020 01:21:59

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

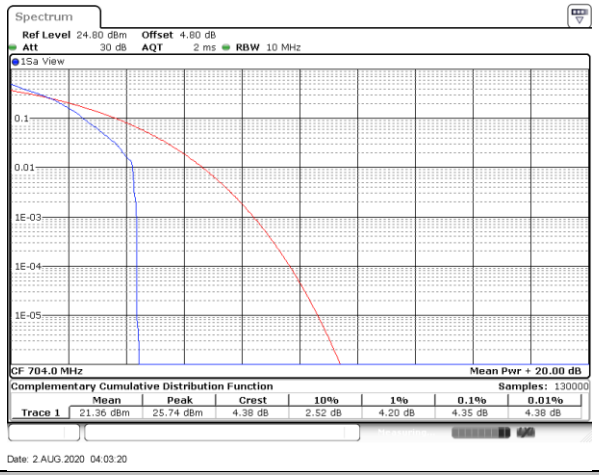
LTE Band 12

Peak-to-Average Ratio

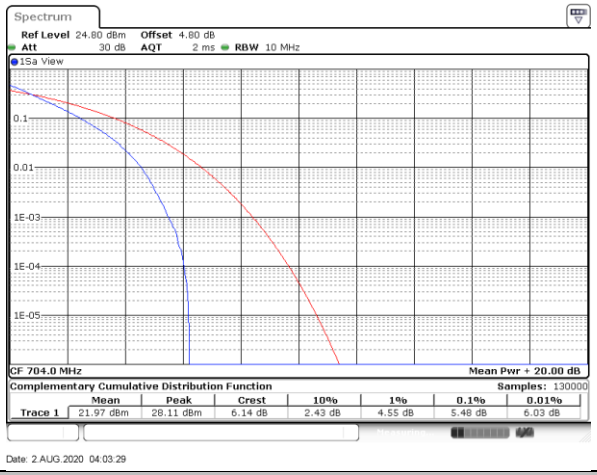
Mode	LTE Band 12 / 10MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.35	5.48	5.16	6.14	PASS
Middle CH	5.10	4.93	6.09	6.00	
Highest CH	5.07	4.90	5.62	5.83	

LTE Band 12 / 10MHz / QPSK

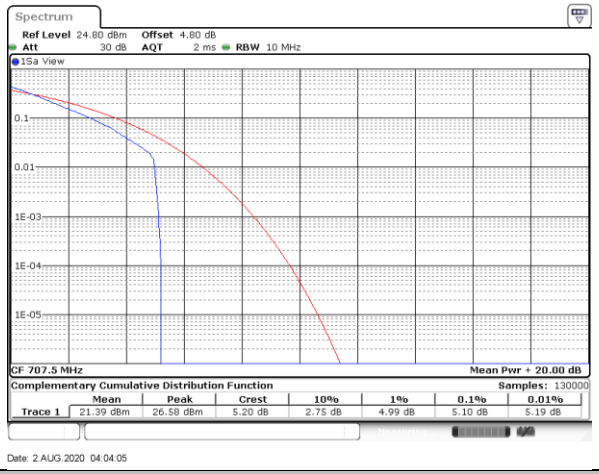
Lowest Channel / 1RB



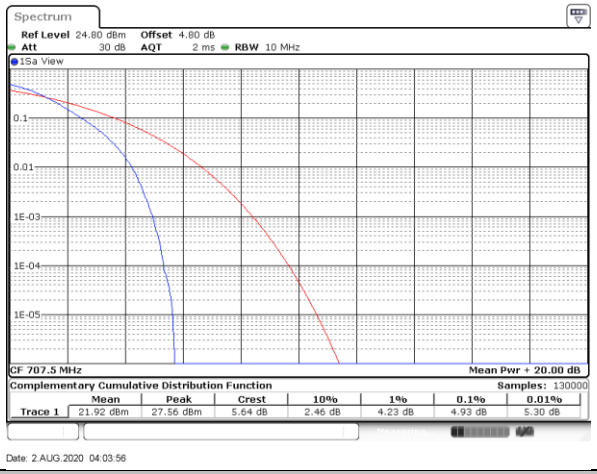
Lowest Channel / Full RB



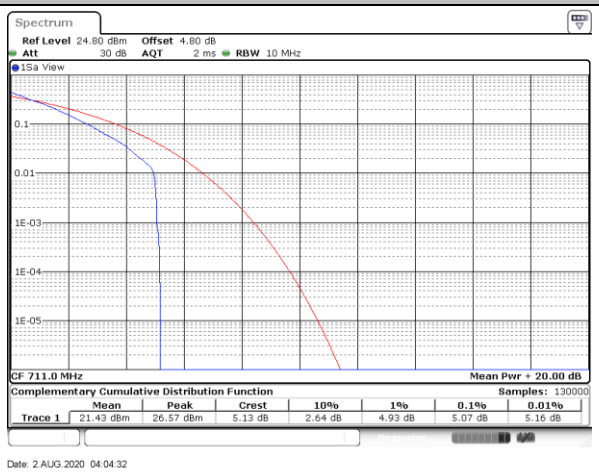
Middle Channel / 1RB



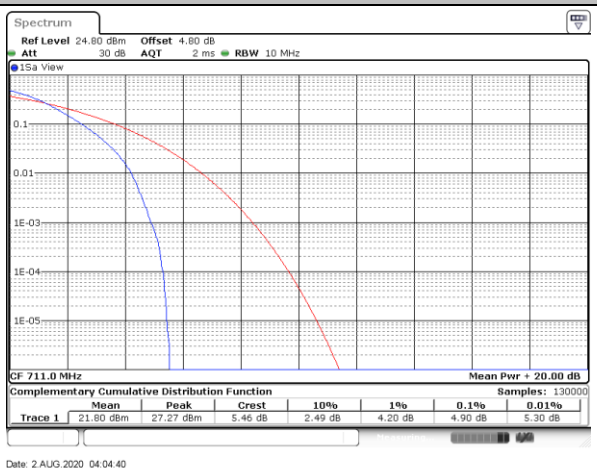
Middle Channel / Full RB



Highest Channel / 1RB

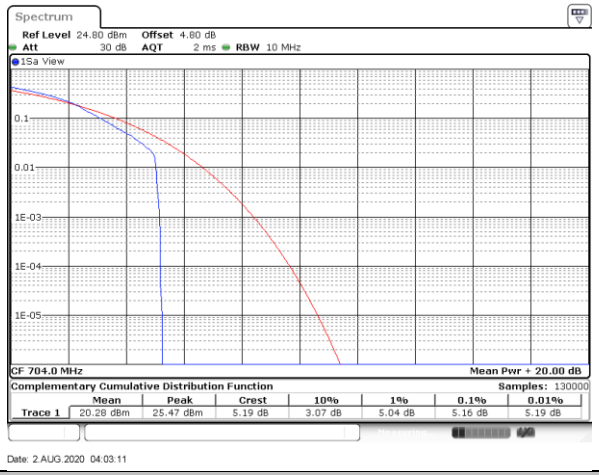


Highest Channel / Full RB

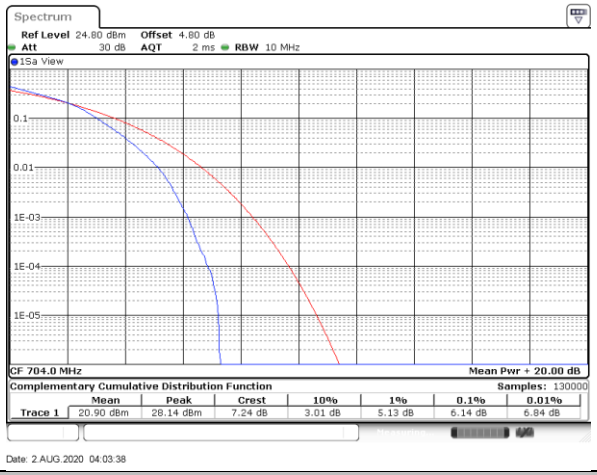


LTE Band 12 / 10MHz / 16QAM

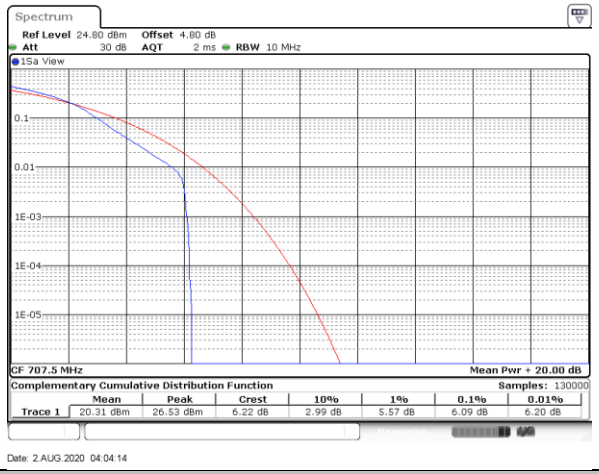
Lowest Channel / 1RB



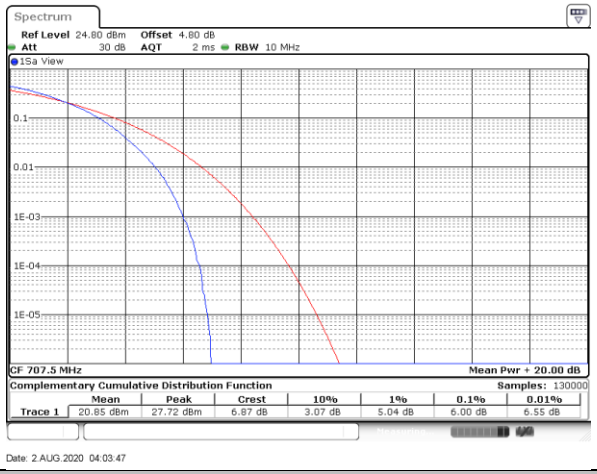
Lowest Channel / Full RB



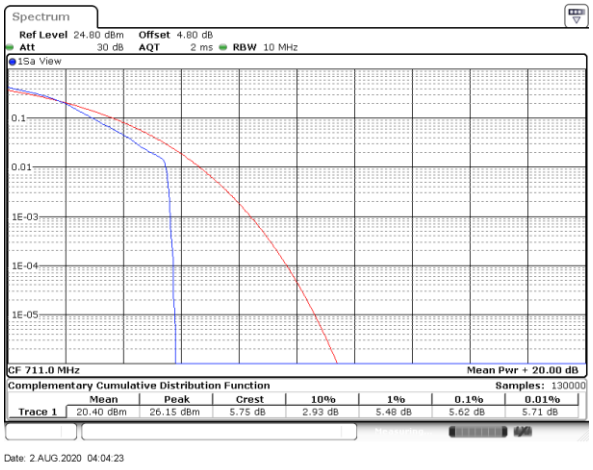
Middle Channel / 1RB



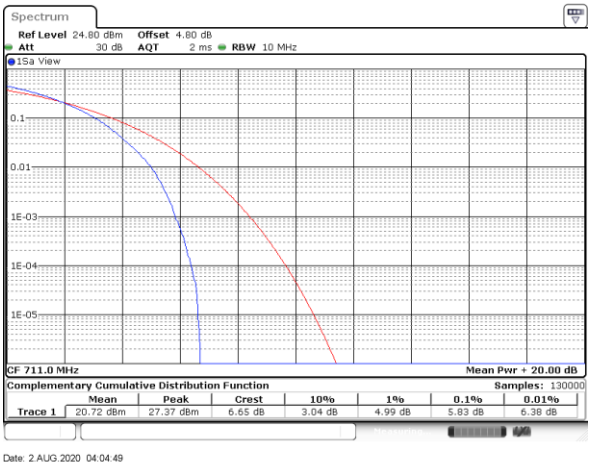
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

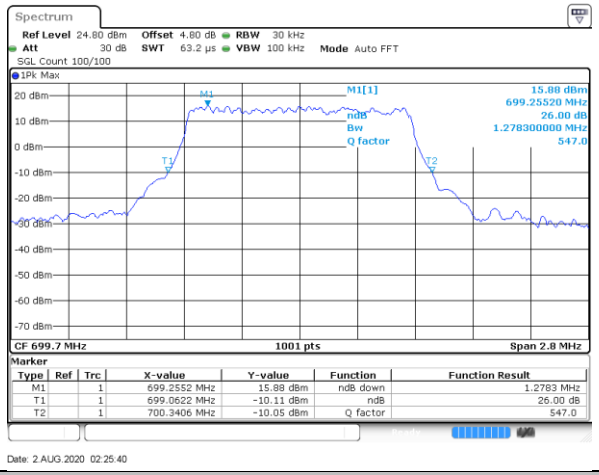


26dB Bandwidth

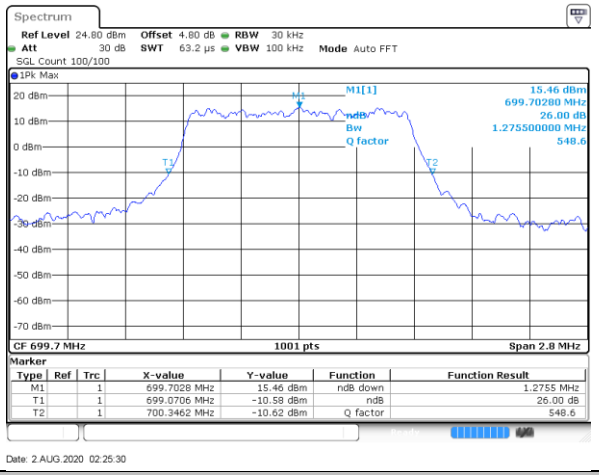
Mode	LTE Band 12 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.28	1.28	2.97	2.97	4.95	4.91	9.89	9.65	-	-	-	-
Middle CH	1.28	1.26	3.01	3.03	4.89	4.91	9.77	9.89	-	-	-	-
Highest CH	1.26	1.26	3.02	2.98	5.01	4.88	9.79	9.83	-	-	-	-

LTE Band 12

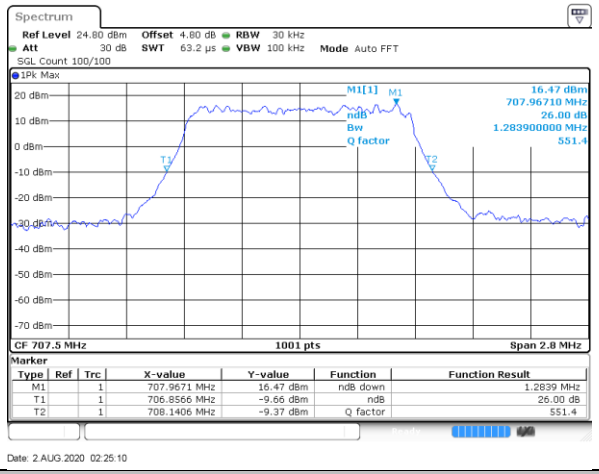
Lowest Channel / 1.4MHz / QPSK



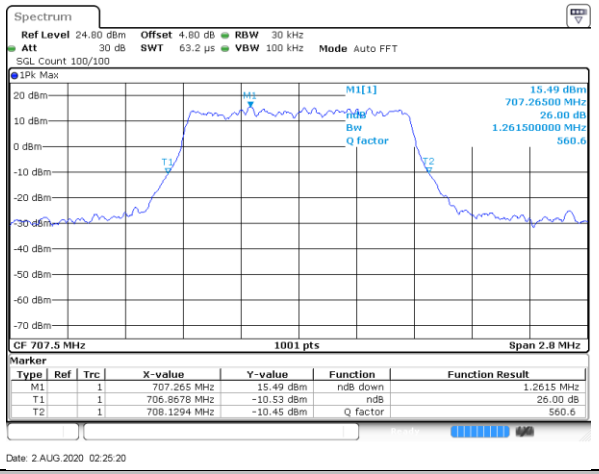
Lowest Channel / 1.4MHz / 16QAM



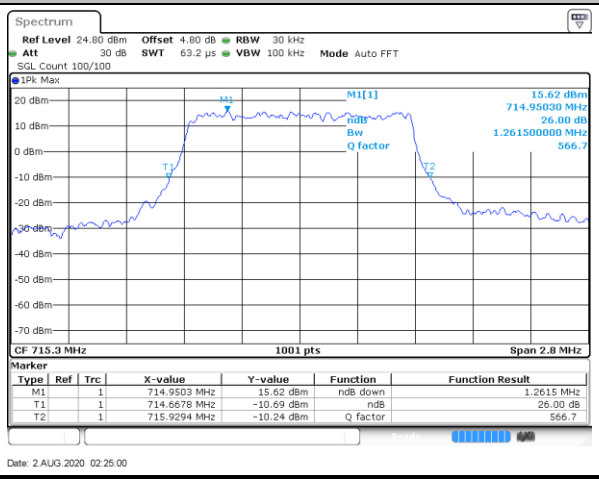
Middle Channel / 1.4MHz / QPSK



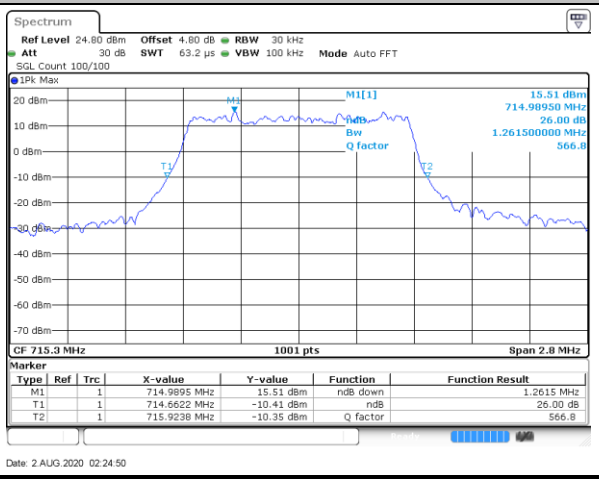
Middle Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / QPSK

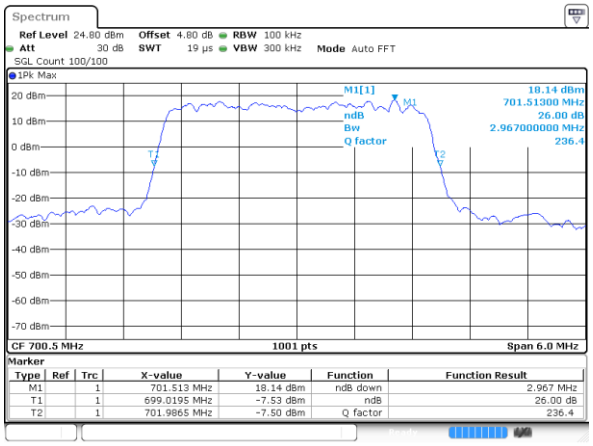


Highest Channel / 1.4MHz / 16QAM

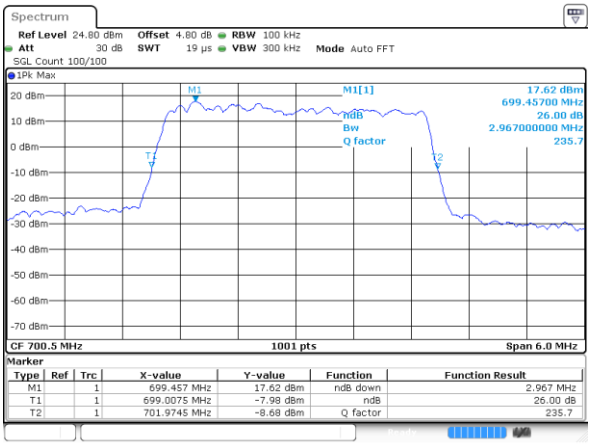


LTE Band 12

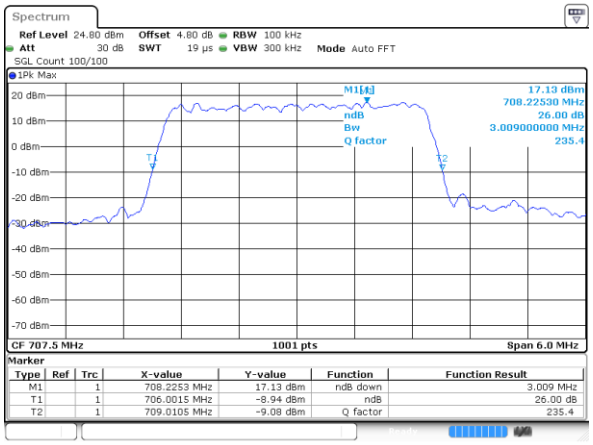
Lowest Channel / 3MHz / QPSK



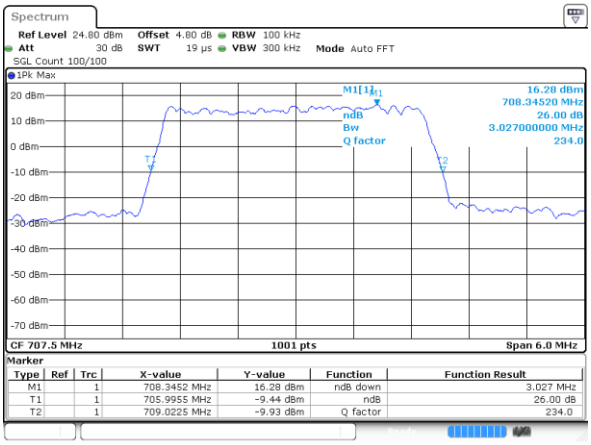
Lowest Channel / 3MHz / 16QAM



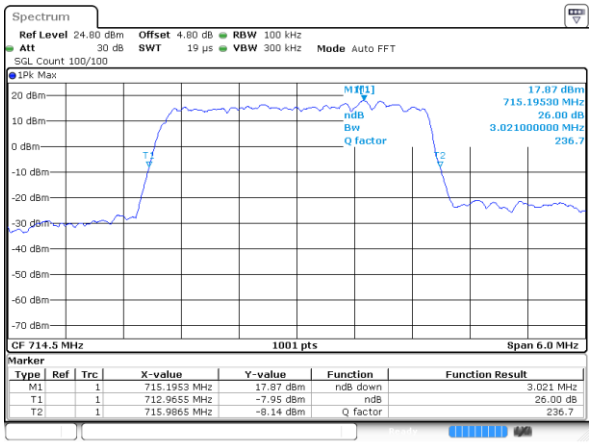
Middle Channel / 3MHz / QPSK



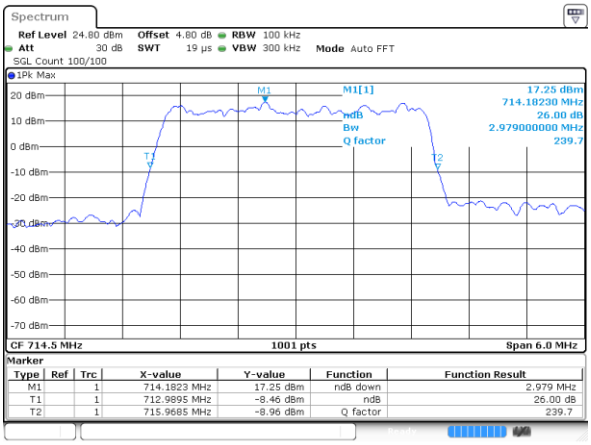
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

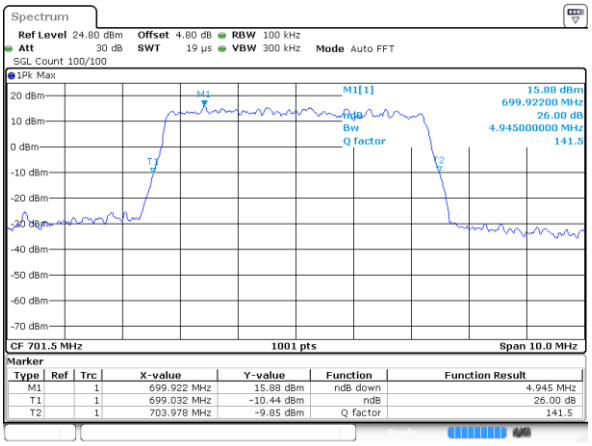


Highest Channel / 3MHz / 16QAM

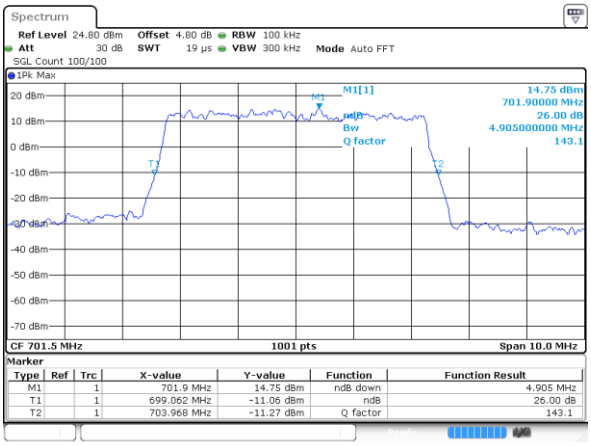


LTE Band 12

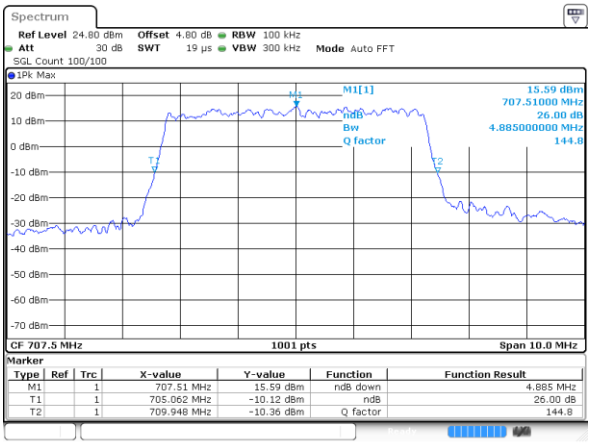
Lowest Channel / 5MHz / QPSK



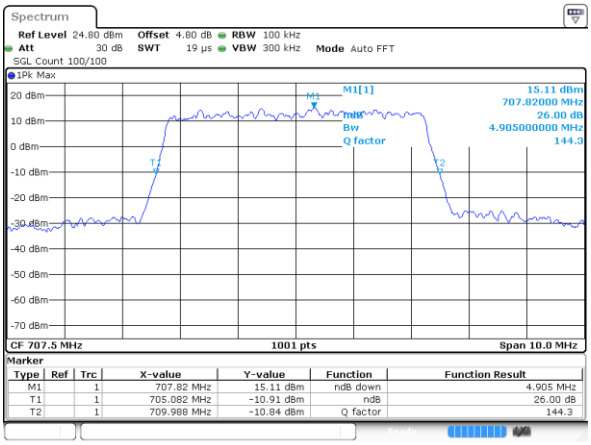
Lowest Channel / 5MHz / 16QAM



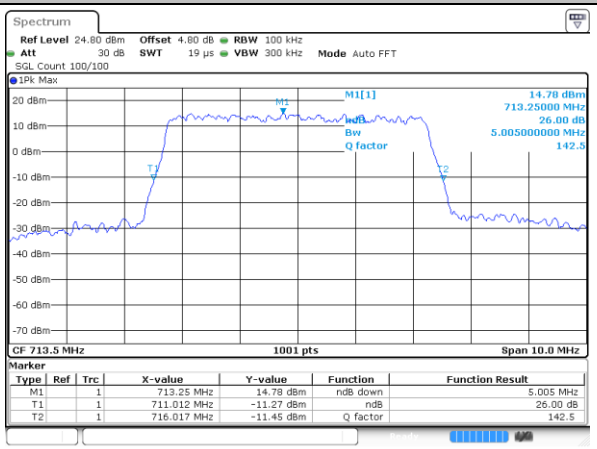
Middle Channel / 5MHz / QPSK



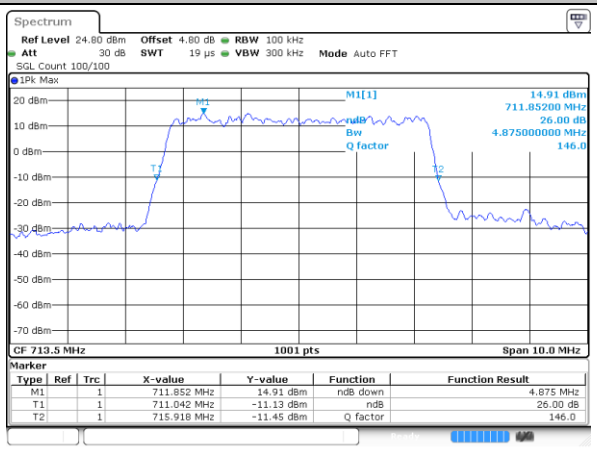
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

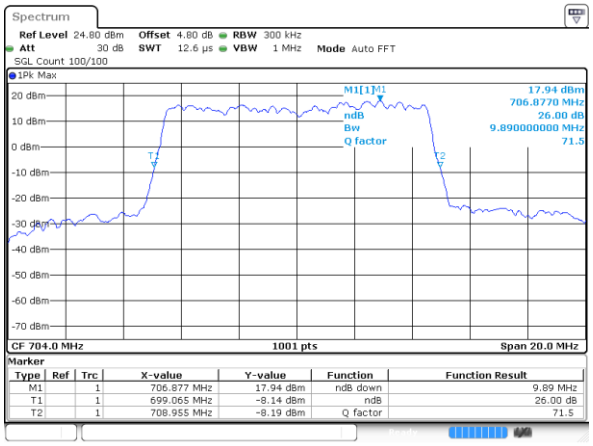


Highest Channel / 5MHz / 16QAM

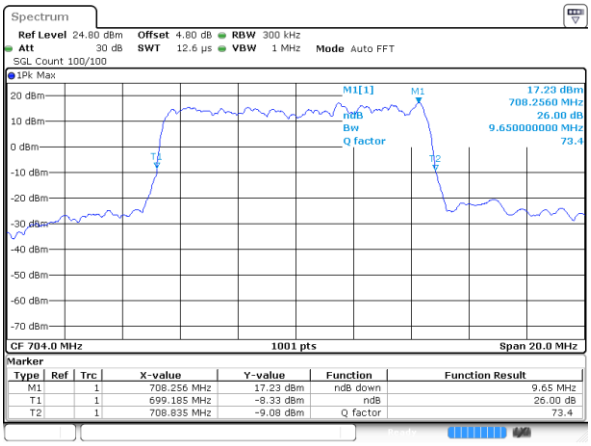


LTE Band 12

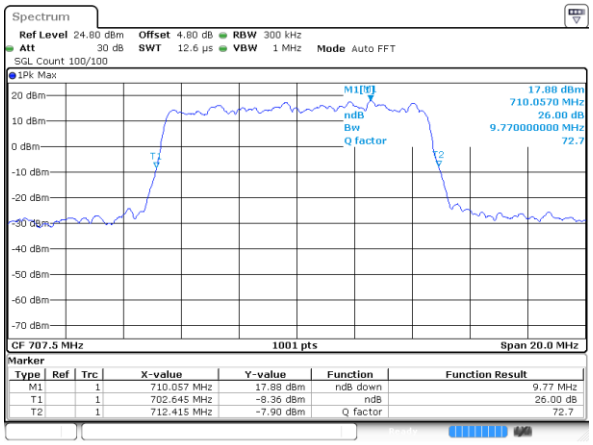
Lowest Channel / 10MHz / QPSK



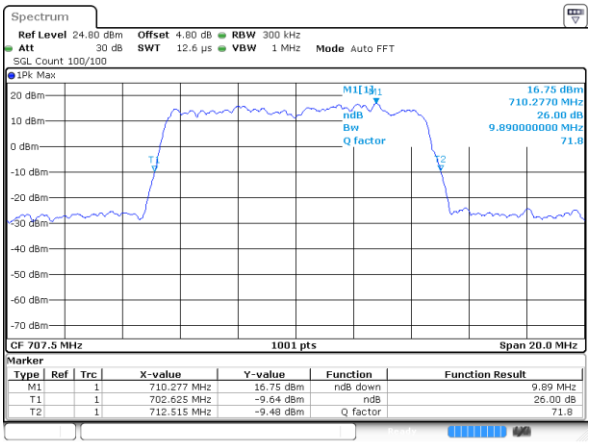
Lowest Channel / 10MHz / 16QAM



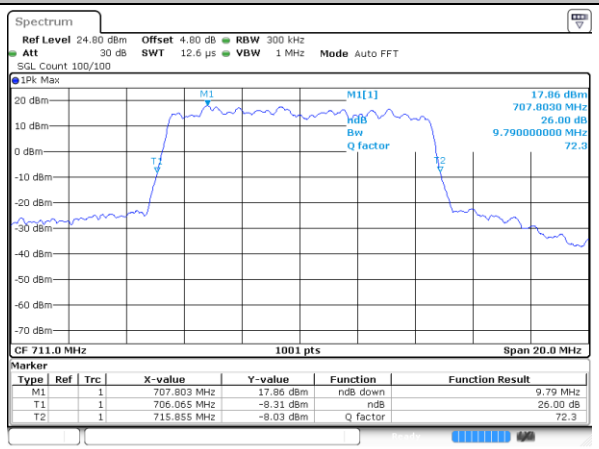
Middle Channel / 10MHz / QPSK



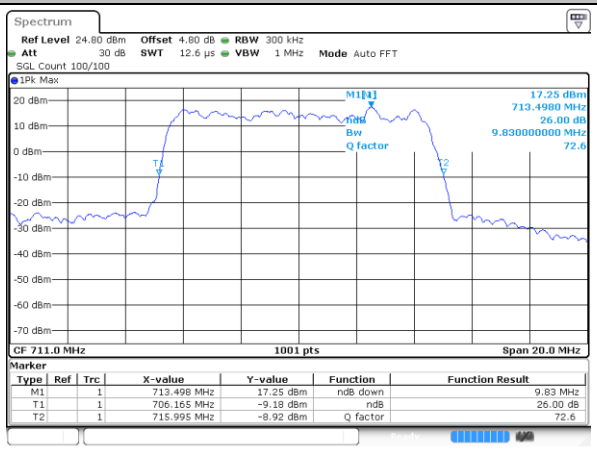
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



Highest Channel / 10MHz / 16QAM

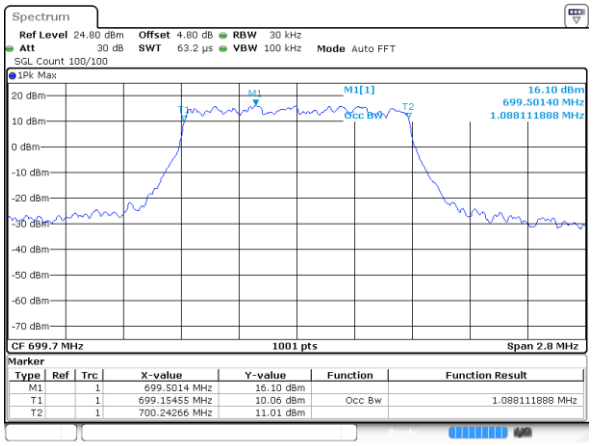


Occupied Bandwidth

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	1.10	2.70	2.71	4.47	4.47	9.03	9.01	-	-	-	-
Middle CH	1.09	1.09	2.71	2.71	4.49	4.46	9.01	8.99	-	-	-	-
Highest CH	1.09	1.08	2.73	2.73	4.52	4.49	9.01	8.99	-	-	-	-

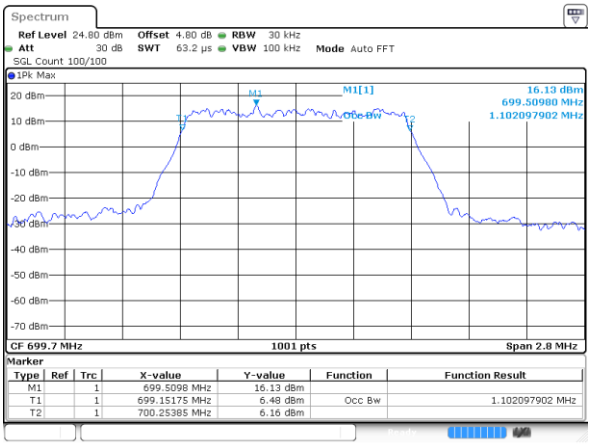
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



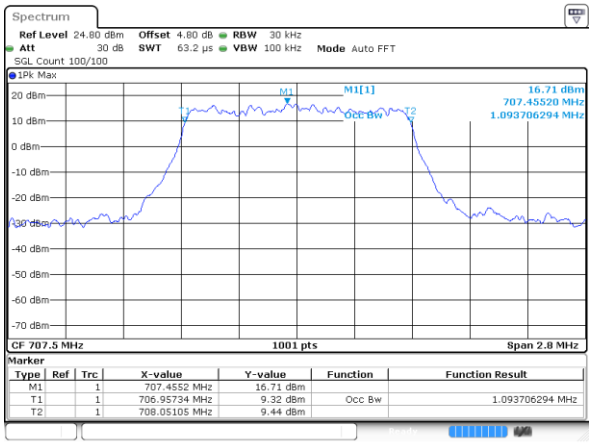
Date: 2.AUG.2020 02:23:50

Lowest Channel / 1.4MHz / 16QAM



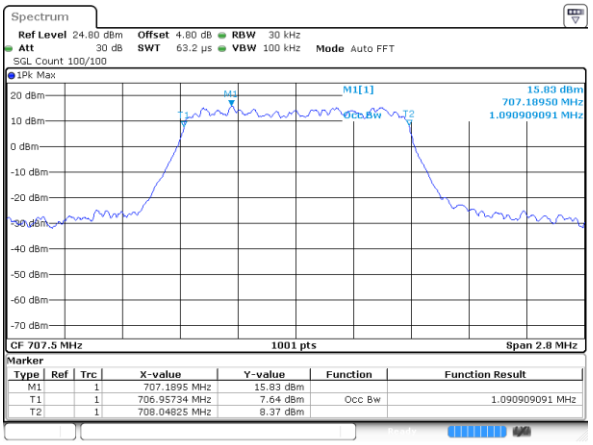
Date: 2.AUG.2020 02:24:00

Middle Channel / 1.4MHz / QPSK



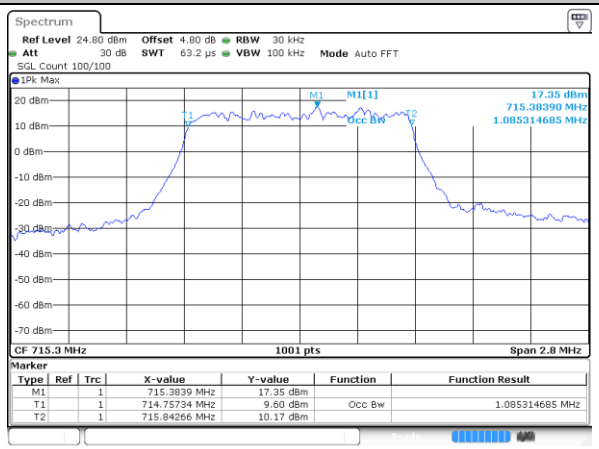
Date: 2.AUG.2020 02:24:20

Middle Channel / 1.4MHz / 16QAM



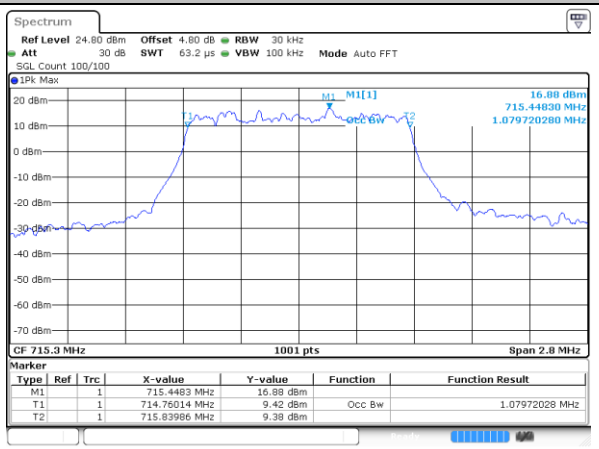
Date: 2.AUG.2020 02:24:10

Highest Channel / 1.4MHz / QPSK



Date: 2.AUG.2020 02:24:30

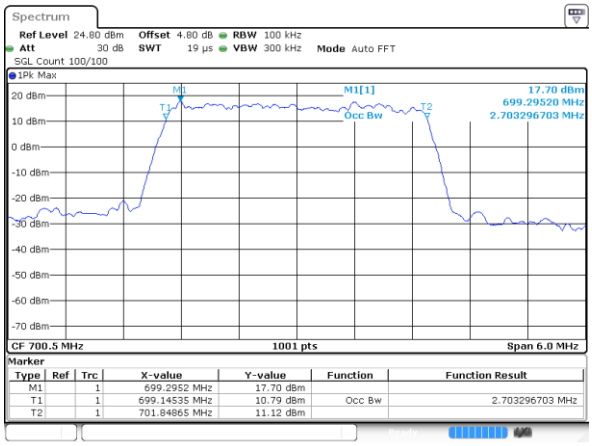
Highest Channel / 1.4MHz / 16QAM



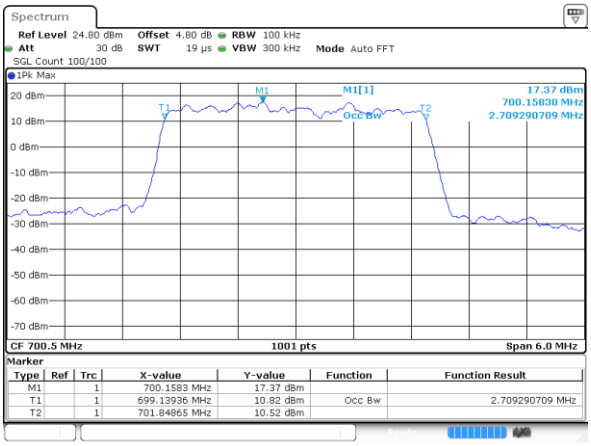
Date: 2.AUG.2020 02:24:40

LTE Band 12

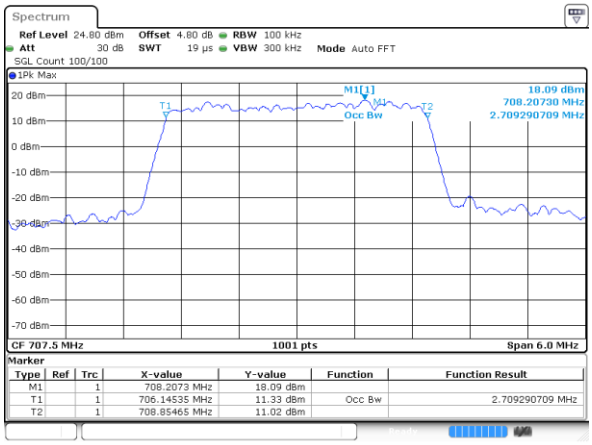
Lowest Channel / 3MHz / QPSK



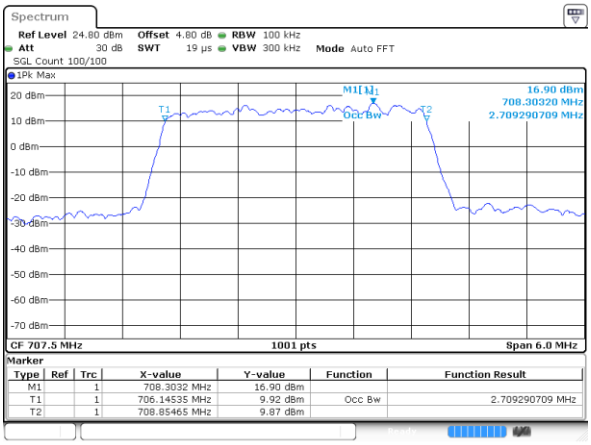
Lowest Channel / 3MHz / 16QAM



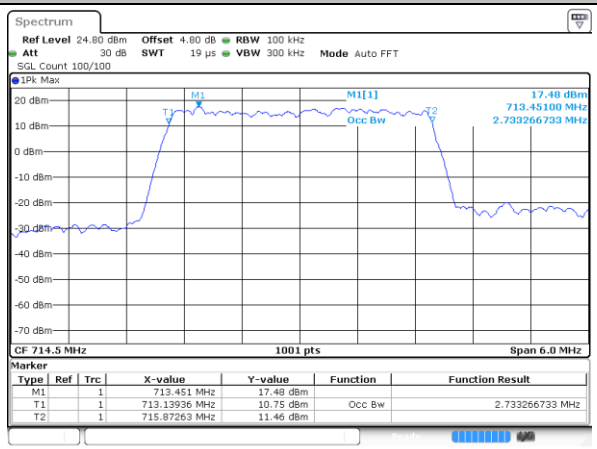
Middle Channel / 3MHz / QPSK



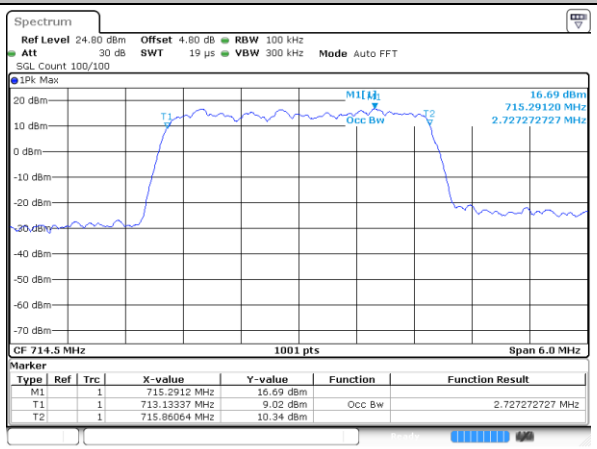
Middle Channel / 3MHz / 16QAM



Highest Channel / 3MHz / QPSK

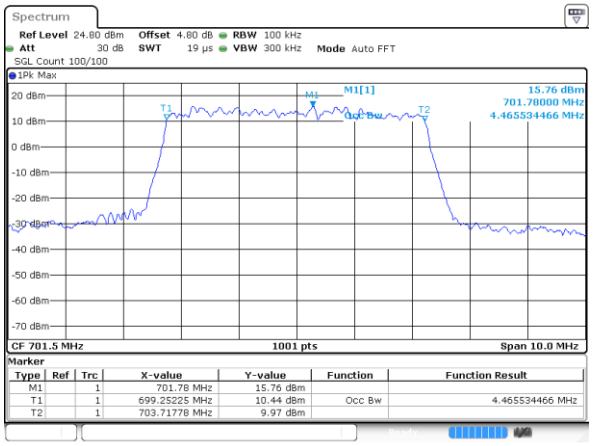


Highest Channel / 3MHz / 16QAM

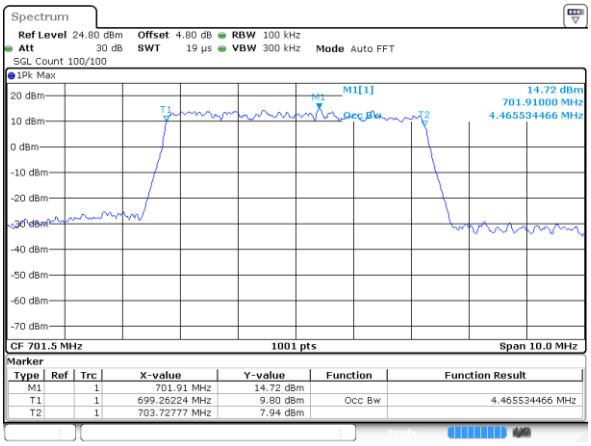


LTE Band 12

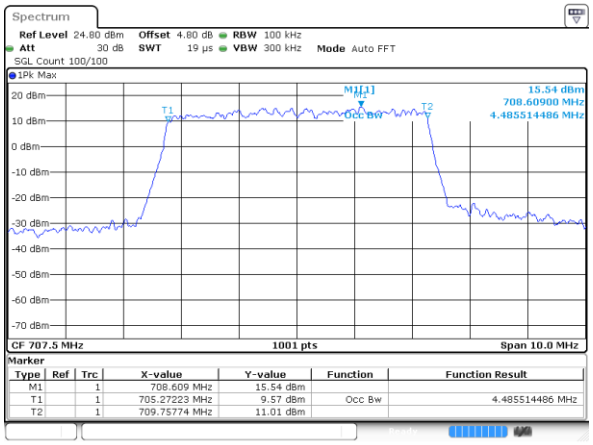
Lowest Channel / 5MHz / QPSK



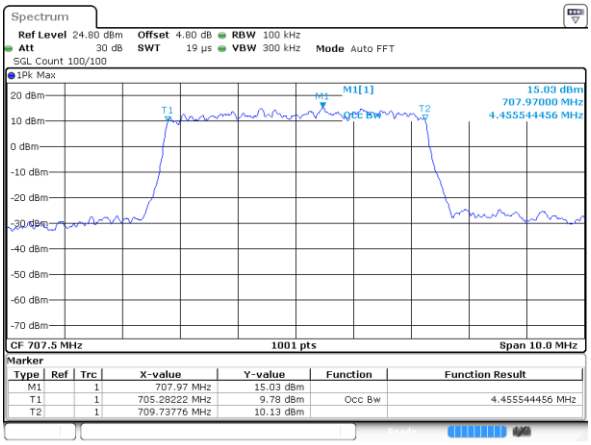
Lowest Channel / 5MHz / 16QAM



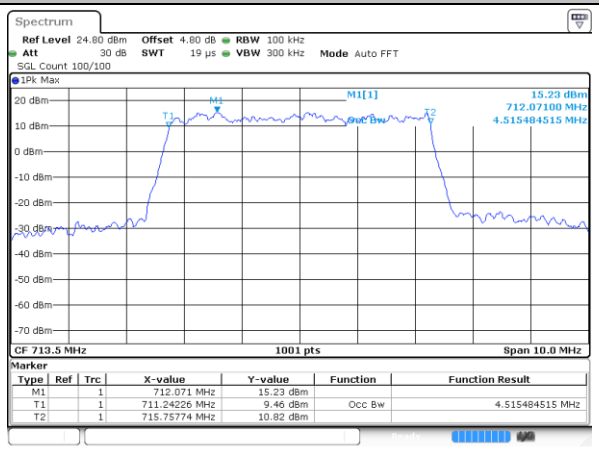
Middle Channel / 5MHz / QPSK



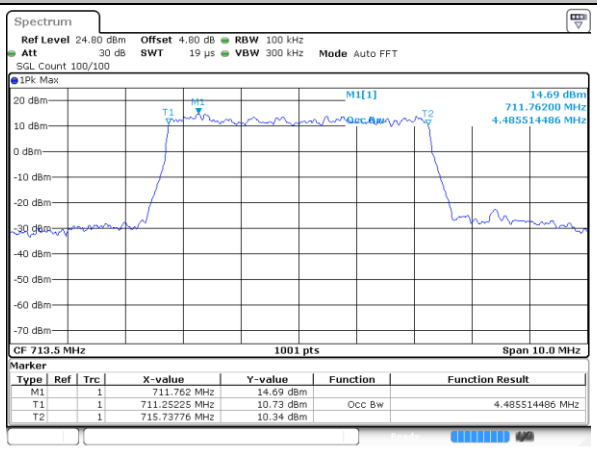
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

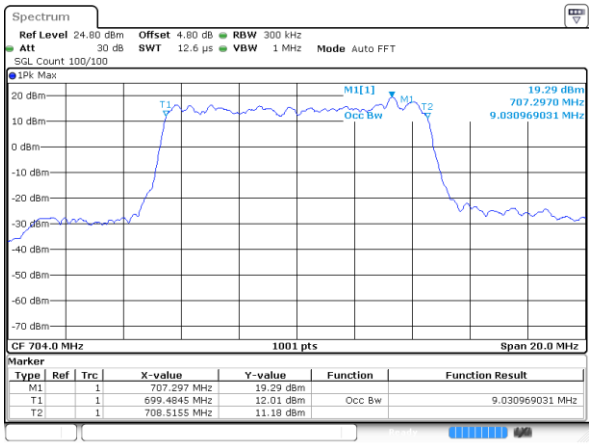


Highest Channel / 5MHz / 16QAM

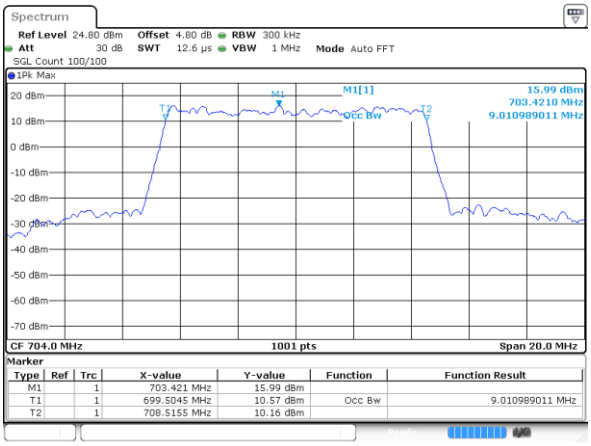


LTE Band 12

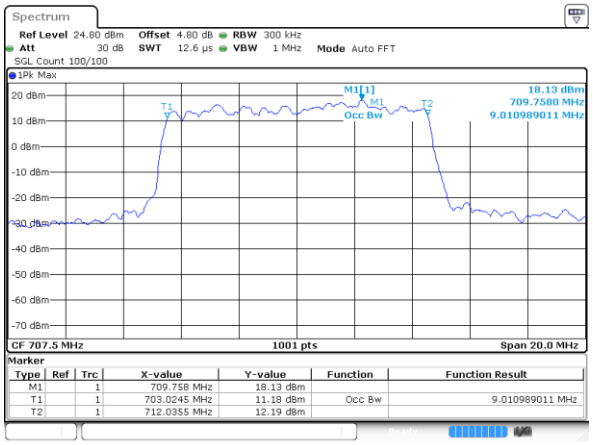
Lowest Channel / 10MHz / QPSK



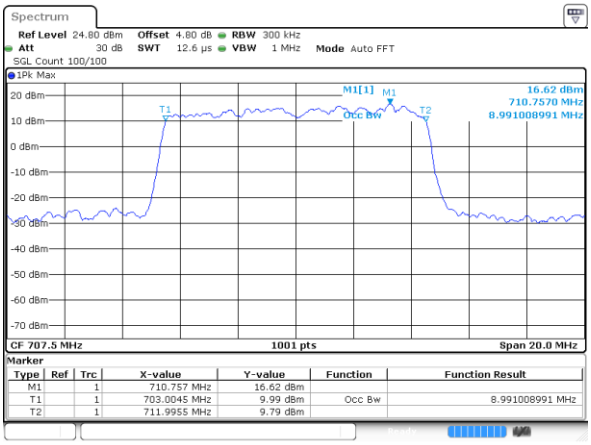
Lowest Channel / 10MHz / 16QAM



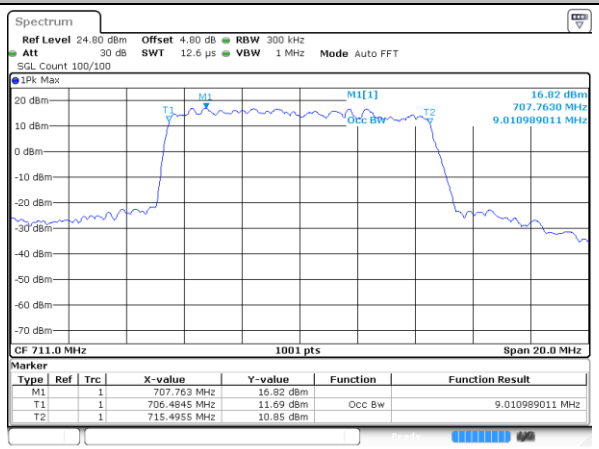
Middle Channel / 10MHz / QPSK



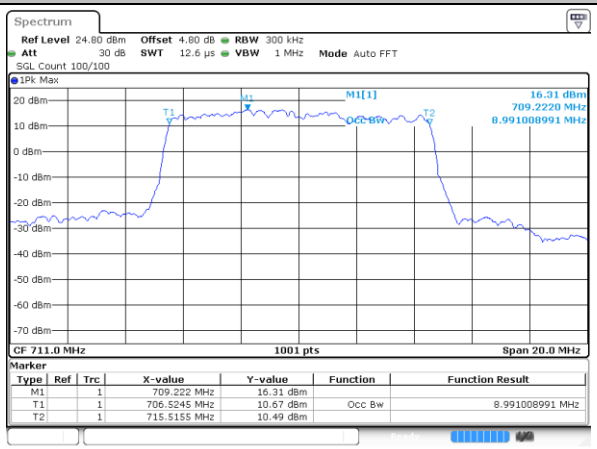
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK



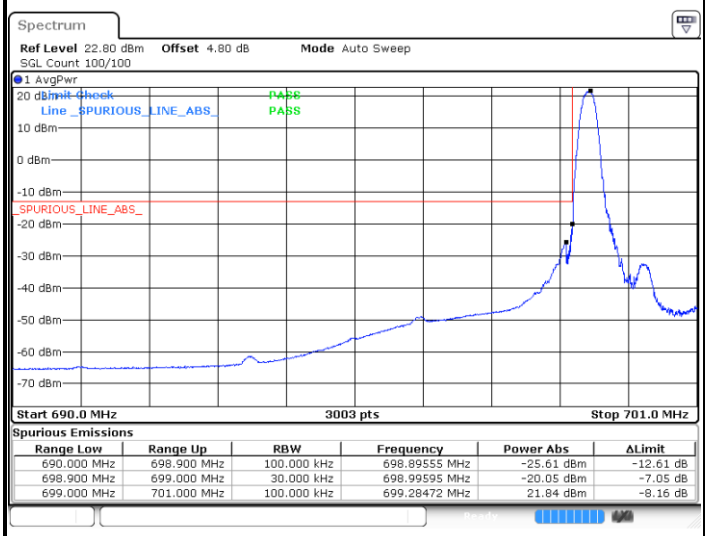
Highest Channel / 10MHz / 16QAM



Conducted Band Edge

LTE Band 12 / 1.4MHz / QPSK

Lowest Band Edge / 1 RB

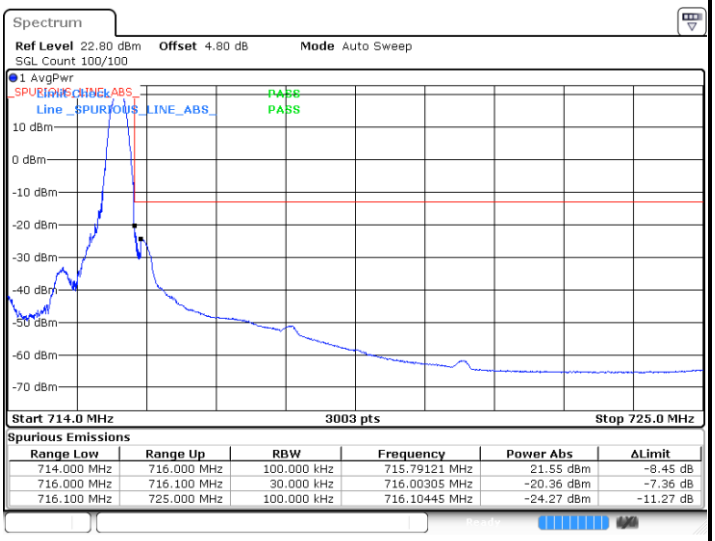


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.61 dBm	-12.61 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99595 MHz	-20.05 dBm	-7.05 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.28472 MHz	21.84 dBm	-8.16 dB

Date: 2.AUG.2020 02:33:20

Highest Band Edge / 1RB

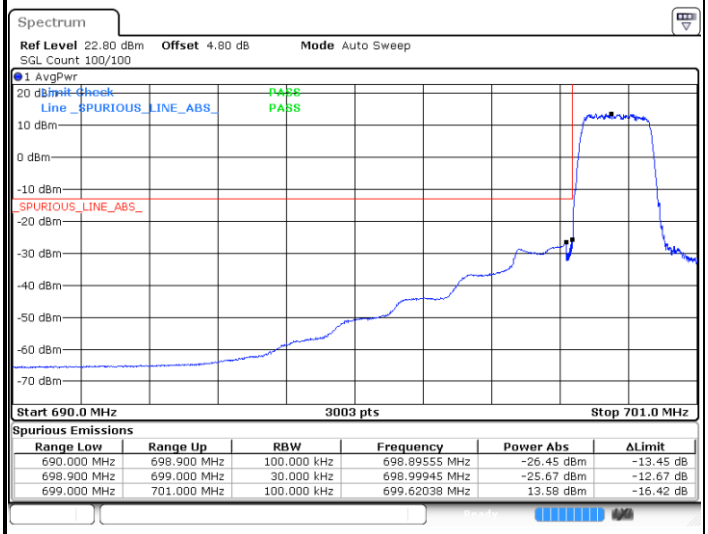


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.79121 MHz	21.55 dBm	-8.45 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00305 MHz	-20.36 dBm	-7.36 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-24.27 dBm	-11.27 dB

Date: 2.AUG.2020 02:38:57

Lowest Band Edge / Full RB

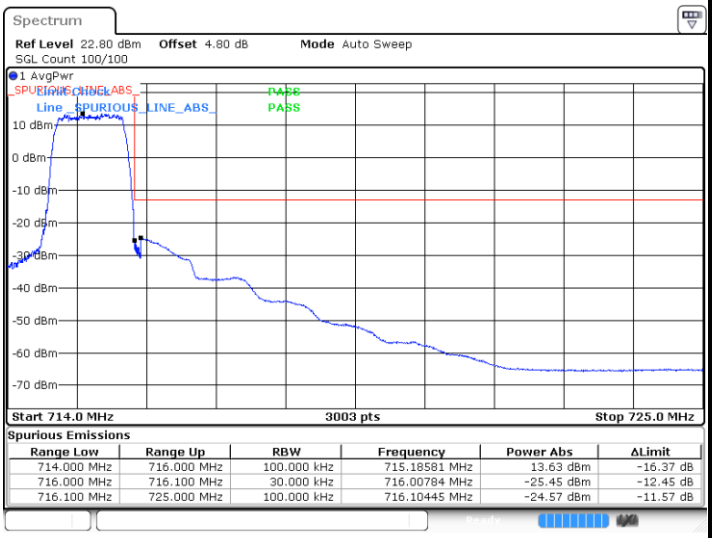


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.45 dBm	-13.45 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99945 MHz	-25.67 dBm	-12.67 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.62038 MHz	13.58 dBm	-16.42 dB

Date: 2.AUG.2020 02:34:28

Highest Band Edge / Full RB



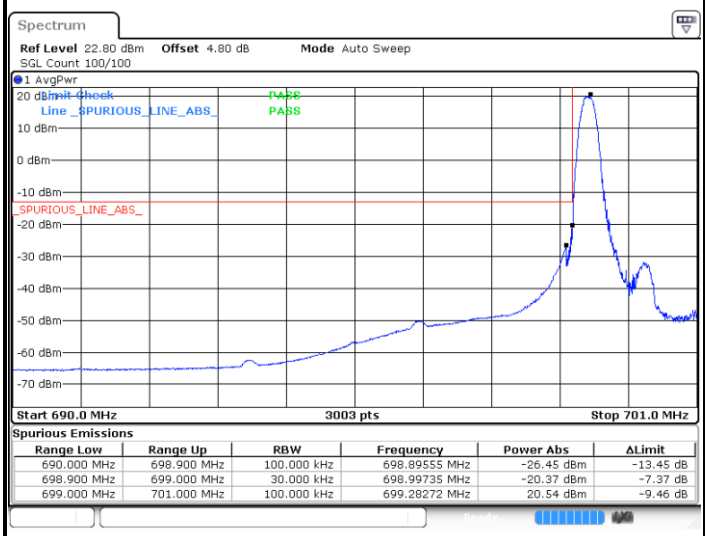
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.18581 MHz	13.63 dBm	-16.37 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00784 MHz	-25.45 dBm	-12.45 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-24.57 dBm	-11.57 dB

Date: 2.AUG.2020 02:37:50

LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

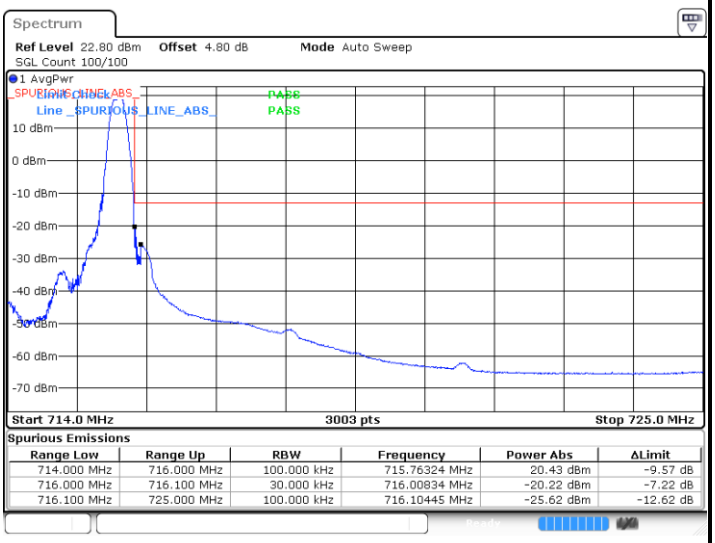


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.45 dBm	-13.45 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99735 MHz	-20.37 dBm	-7.37 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.28272 MHz	20.54 dBm	-9.46 dB

Date: 2.AUG.2020 02:32:13

Highest Band Edge / 1 RB

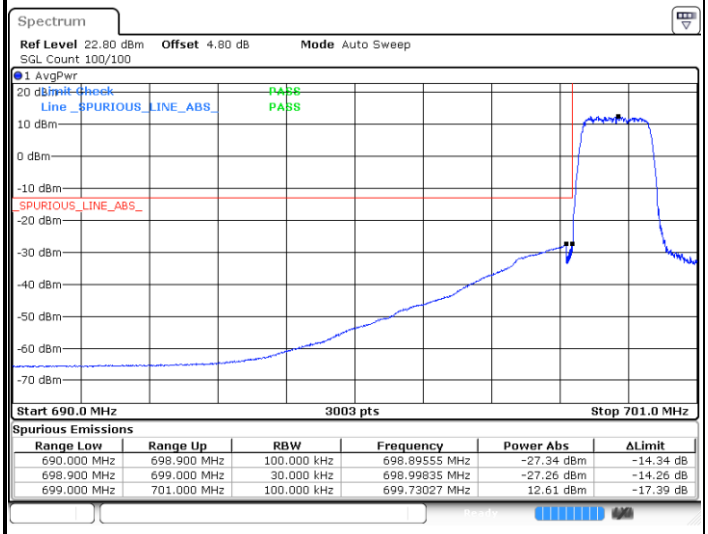


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.76324 MHz	20.43 dBm	-9.57 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00834 MHz	-20.22 dBm	-7.22 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-25.62 dBm	-12.62 dB

Date: 2.AUG.2020 02:40:04

Lowest Band Edge / Full RB

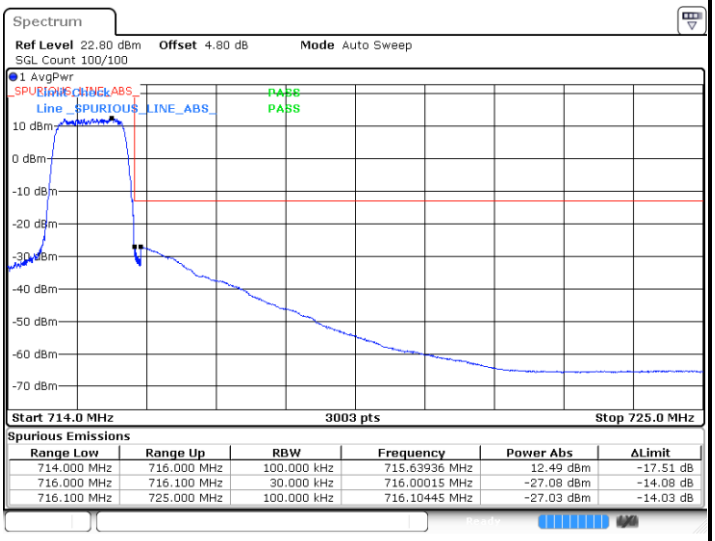


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-27.34 dBm	-14.34 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99835 MHz	-27.26 dBm	-14.26 dB
699.000 MHz	701.000 MHz	100.000 kHz	699.73027 MHz	12.61 dBm	-17.39 dB

Date: 2.AUG.2020 02:35:35

Highest Band Edge / Full RB



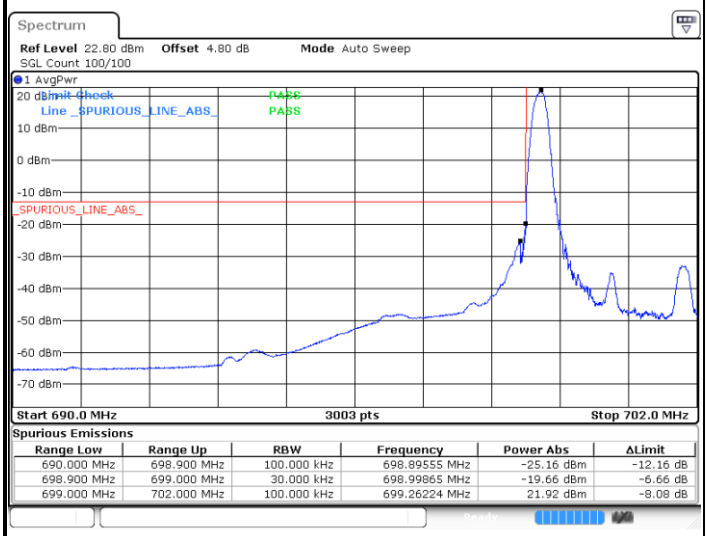
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
714.000 MHz	716.000 MHz	100.000 kHz	715.63936 MHz	12.49 dBm	-17.51 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00015 MHz	-27.08 dBm	-14.08 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-27.03 dBm	-14.03 dB

Date: 2.AUG.2020 02:36:42

LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB

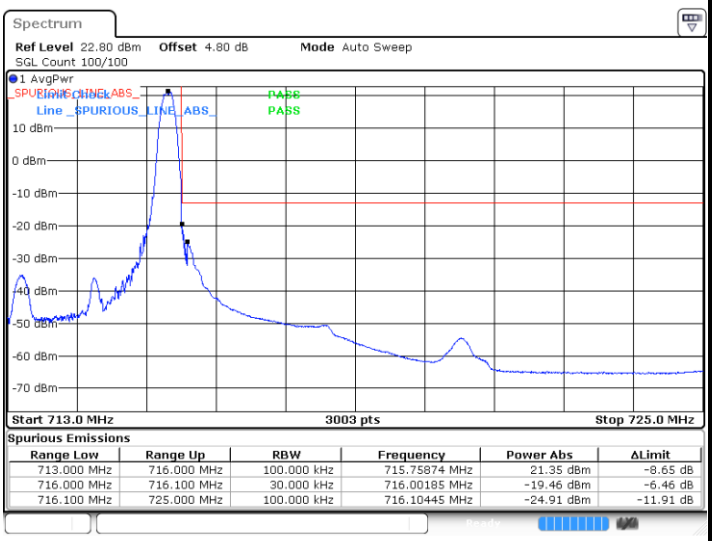


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-25.16 dBm	-12.16 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99865 MHz	-19.66 dBm	-6.66 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.26224 MHz	21.92 dBm	-8.08 dB

Date: 2.AUG.2020 02:49:44

Highest Band Edge / 1 RB

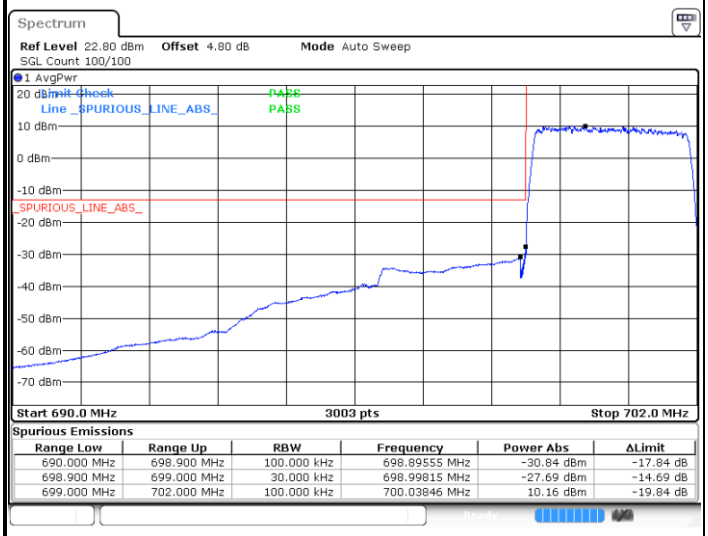


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.75874 MHz	21.35 dBm	-8.65 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00185 MHz	-19.46 dBm	-6.46 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-24.91 dBm	-11.91 dB

Date: 2.AUG.2020 02:55:21

Lowest Band Edge / Full RB

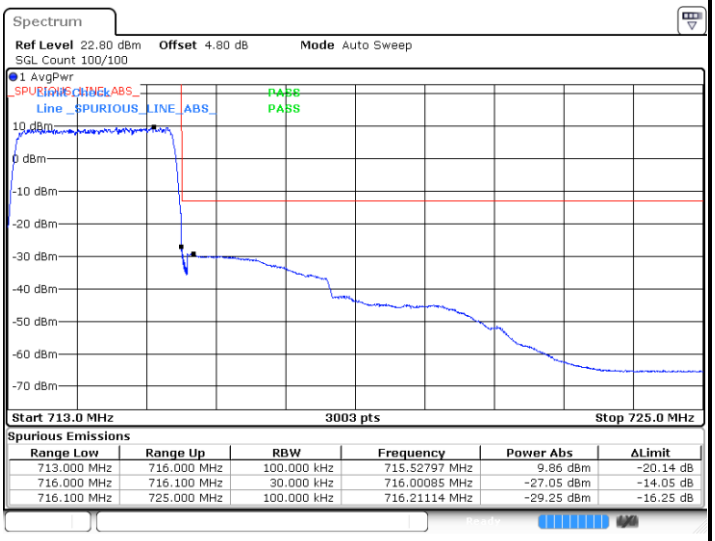


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.84 dBm	-17.84 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99815 MHz	-27.69 dBm	-14.69 dB
699.000 MHz	702.000 MHz	100.000 kHz	700.03846 MHz	10.16 dBm	-19.84 dB

Date: 2.AUG.2020 02:50:52

Highest Band Edge / Full RB



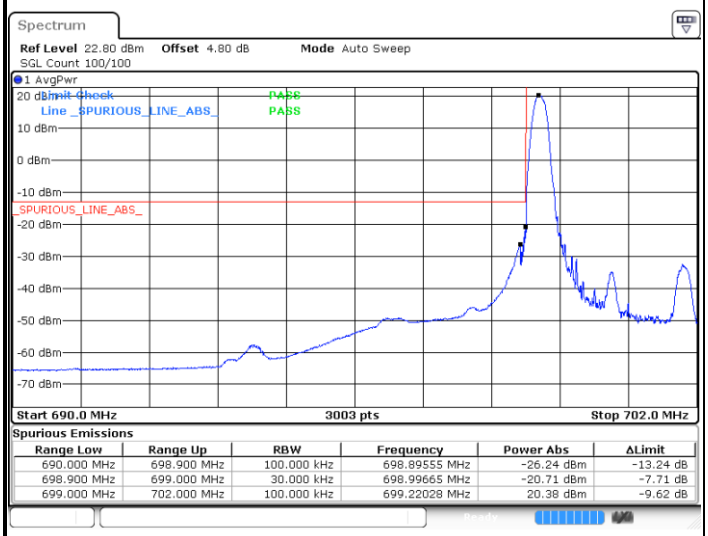
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.52797 MHz	9.86 dBm	-20.14 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00085 MHz	-27.05 dBm	-14.05 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.21114 MHz	-29.25 dBm	-16.25 dB

Date: 2.AUG.2020 02:54:14

LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

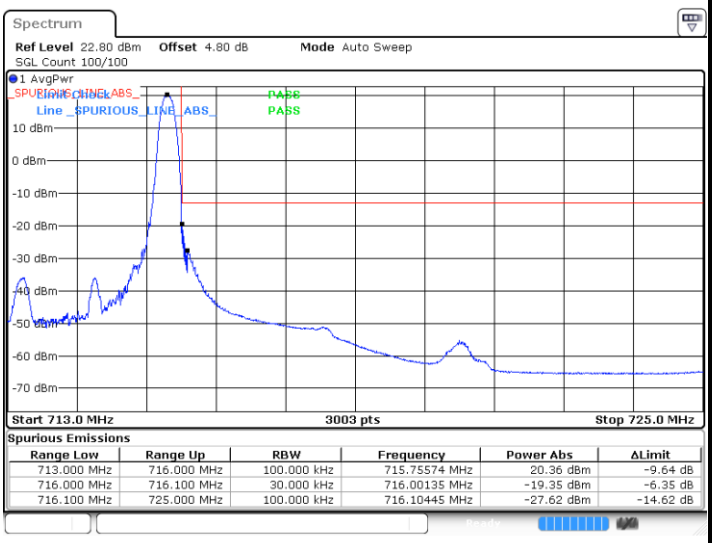


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-26.24 dBm	-13.24 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99665 MHz	-20.71 dBm	-7.71 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.22028 MHz	20.38 dBm	-9.62 dB

Date: 2.AUG.2020 02:48:37

Highest Band Edge / 1 RB

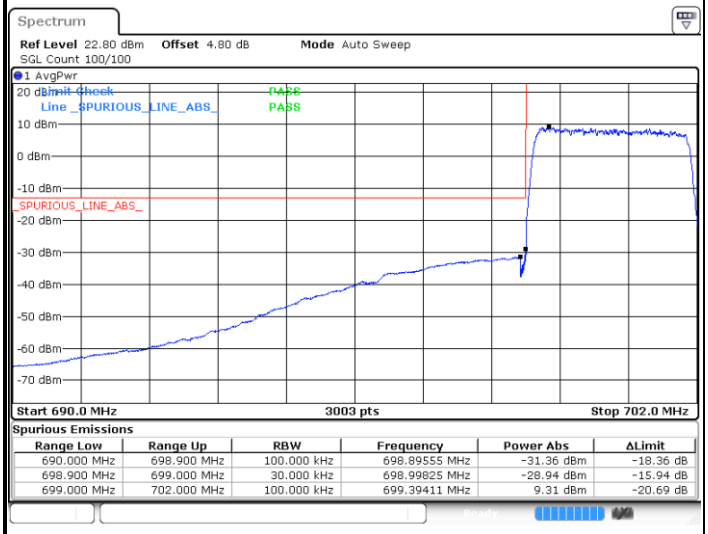


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.75574 MHz	20.36 dBm	-9.64 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00135 MHz	-19.35 dBm	-6.35 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-27.62 dBm	-14.62 dB

Date: 2.AUG.2020 02:56:29

Lowest Band Edge / Full RB

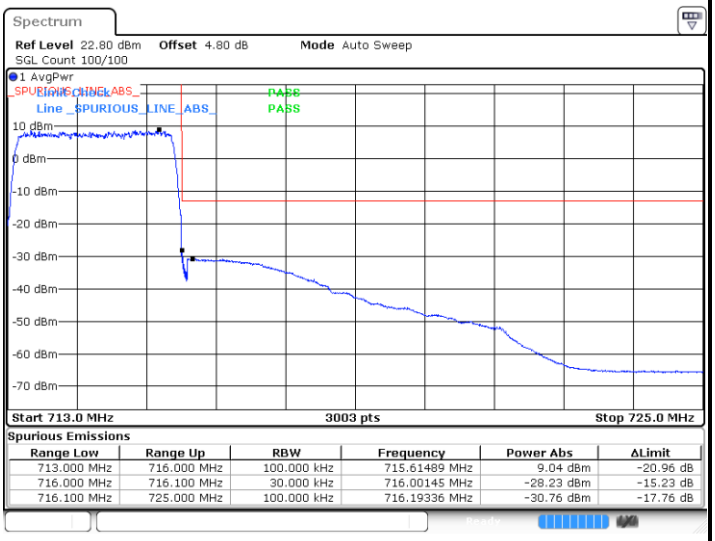


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-31.36 dBm	-18.36 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99825 MHz	-28.94 dBm	-15.94 dB
699.000 MHz	702.000 MHz	100.000 kHz	699.39411 MHz	9.31 dBm	-20.69 dB

Date: 2.AUG.2020 02:51:59

Highest Band Edge / Full RB



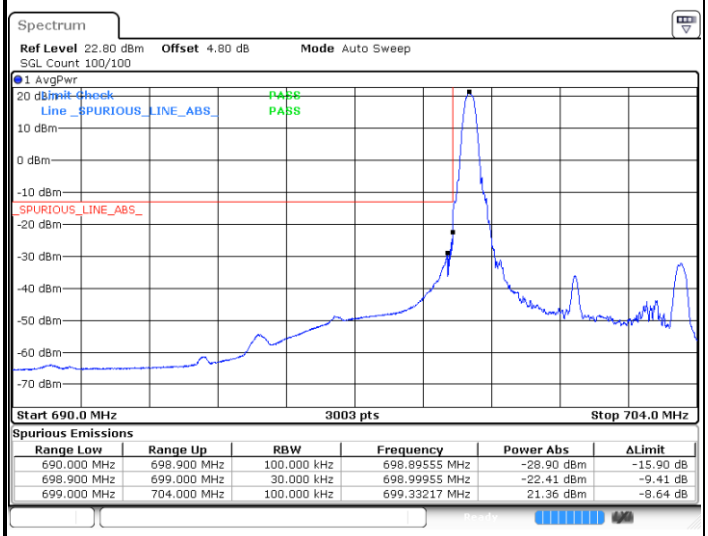
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
713.000 MHz	716.000 MHz	100.000 kHz	715.61489 MHz	9.04 dBm	-20.96 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00145 MHz	-28.23 dBm	-15.23 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.19336 MHz	-30.76 dBm	-17.76 dB

Date: 2.AUG.2020 02:53:07

LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

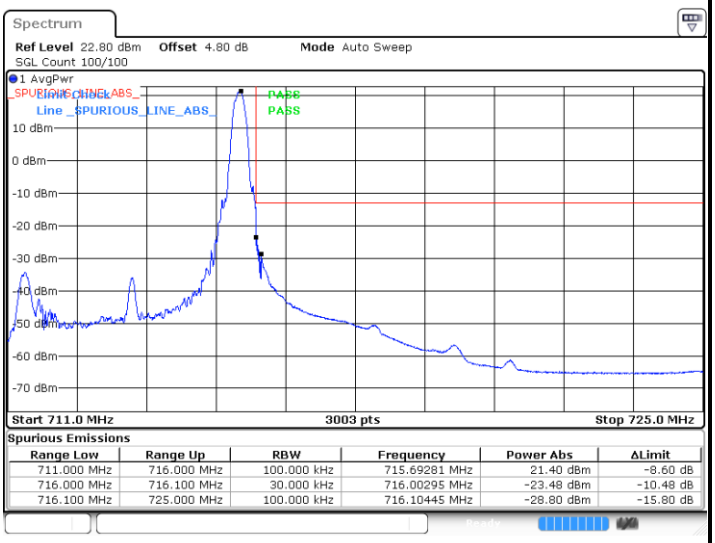


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-28.90 dBm	-15.90 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99955 MHz	-22.41 dBm	-9.41 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.33217 MHz	21.36 dBm	-8.64 dB

Date: 2.AUG.2020 03:06:08

Highest Band Edge / 1 RB

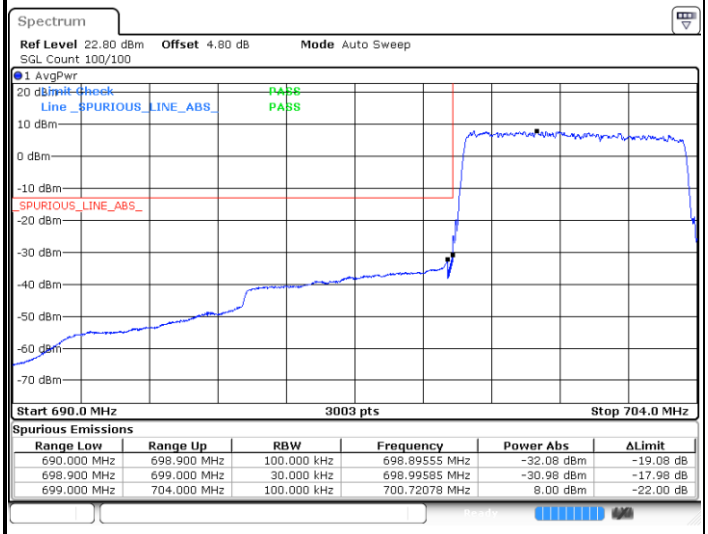


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.69281 MHz	21.40 dBm	-8.60 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00295 MHz	-23.48 dBm	-10.48 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-28.80 dBm	-15.80 dB

Date: 2.AUG.2020 03:11:45

Lowest Band Edge / Full RB

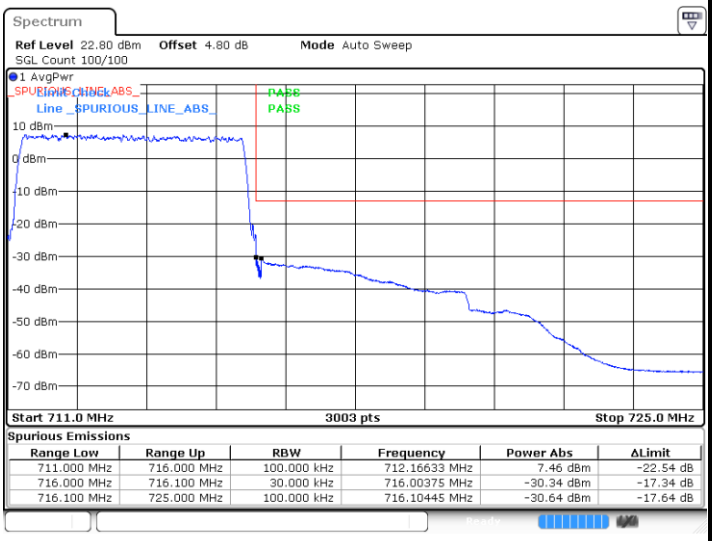


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-32.08 dBm	-19.08 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99585 MHz	-30.98 dBm	-17.98 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.72078 MHz	8.00 dBm	-22.00 dB

Date: 2.AUG.2020 03:07:16

Highest Band Edge / Full RB



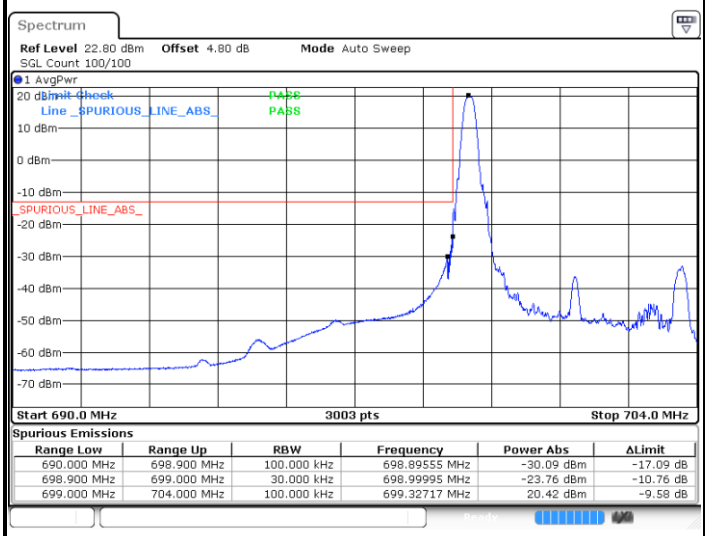
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.16633 MHz	7.46 dBm	-22.54 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00375 MHz	-30.34 dBm	-17.34 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-30.64 dBm	-17.64 dB

Date: 2.AUG.2020 03:10:38

LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB

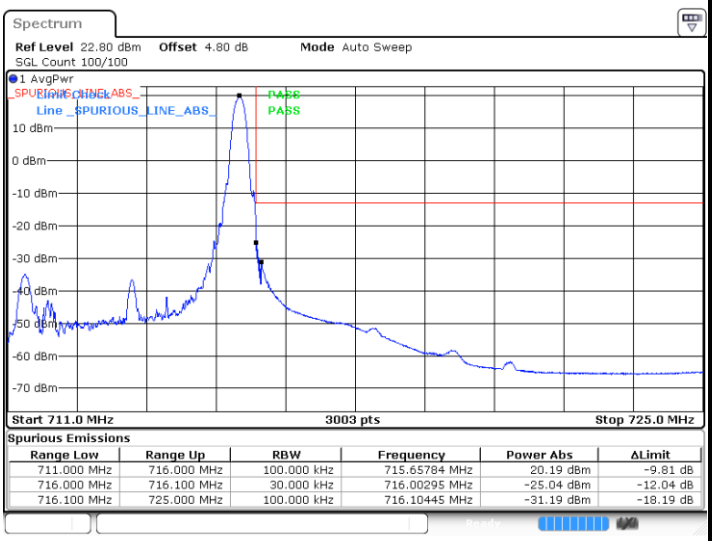


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-30.09 dBm	-17.09 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99995 MHz	-23.76 dBm	-10.76 dB
699.000 MHz	704.000 MHz	100.000 kHz	699.32717 MHz	20.42 dBm	-9.58 dB

Date: 2.AUG.2020 03:05:01

Highest Band Edge / 1 RB

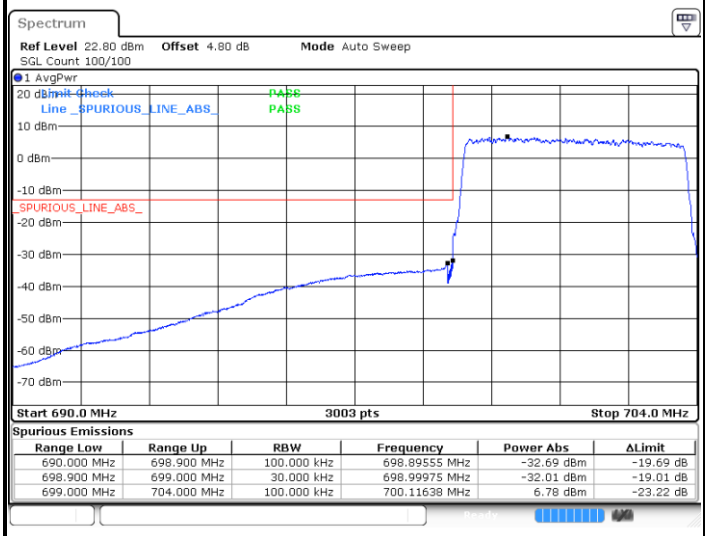


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	715.65784 MHz	20.19 dBm	-9.81 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00295 MHz	-25.04 dBm	-12.04 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-31.19 dBm	-18.19 dB

Date: 2.AUG.2020 03:12:53

Lowest Band Edge / Full RB

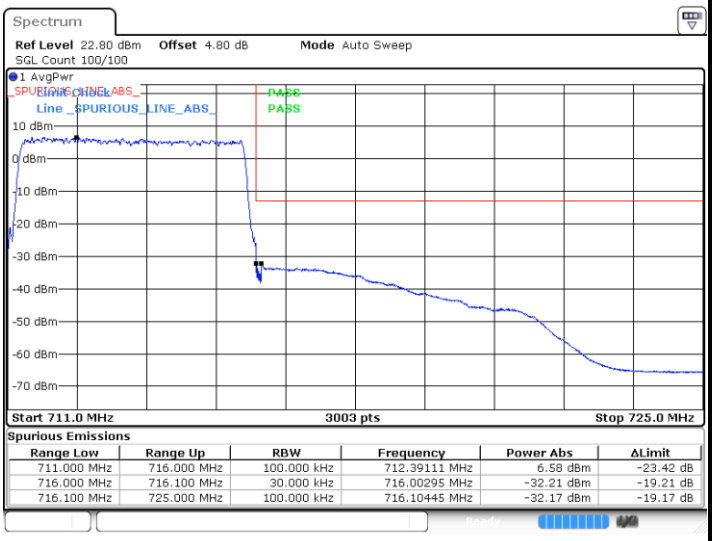


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-32.69 dBm	-19.69 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99975 MHz	-32.01 dBm	-19.01 dB
699.000 MHz	704.000 MHz	100.000 kHz	700.11638 MHz	6.78 dBm	-23.22 dB

Date: 2.AUG.2020 03:08:23

Highest Band Edge / Full RB



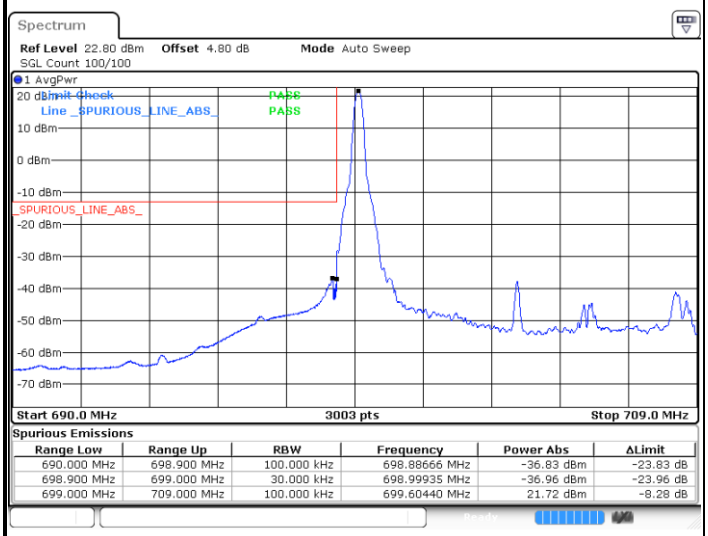
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
711.000 MHz	716.000 MHz	100.000 kHz	712.39111 MHz	6.58 dBm	-23.42 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00295 MHz	-32.21 dBm	-19.21 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-32.17 dBm	-19.17 dB

Date: 2.AUG.2020 03:09:31

LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB

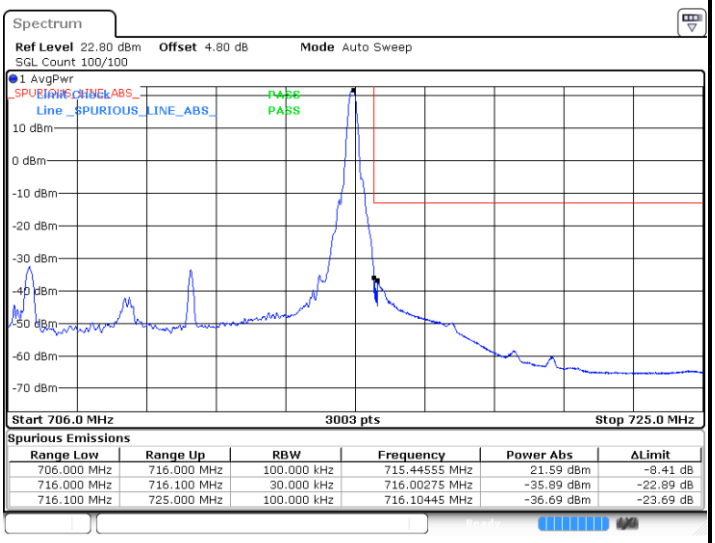


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-36.83 dBm	-23.83 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99935 MHz	-36.96 dBm	-23.96 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.60440 MHz	21.72 dBm	-8.28 dB

Date: 2.AUG.2020 03:22:33

Highest Band Edge / 1 RB

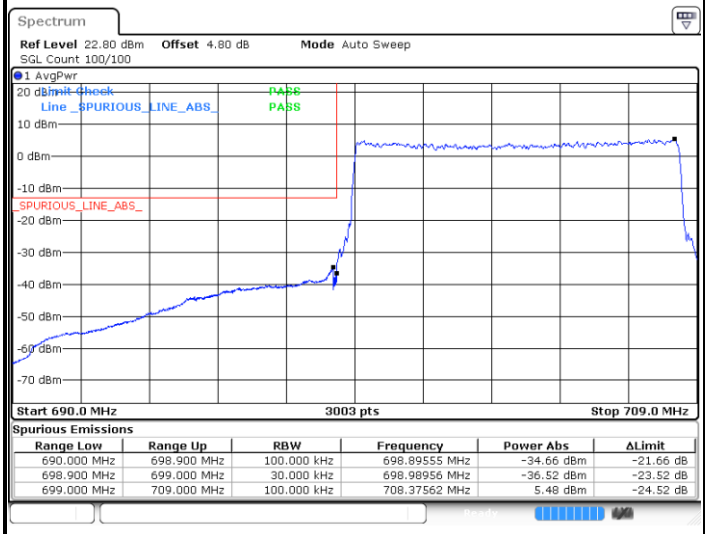


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.44555 MHz	21.59 dBm	-8.41 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00275 MHz	-35.89 dBm	-22.89 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-36.69 dBm	-23.69 dB

Date: 2.AUG.2020 03:28:10

Lowest Band Edge / Full RB

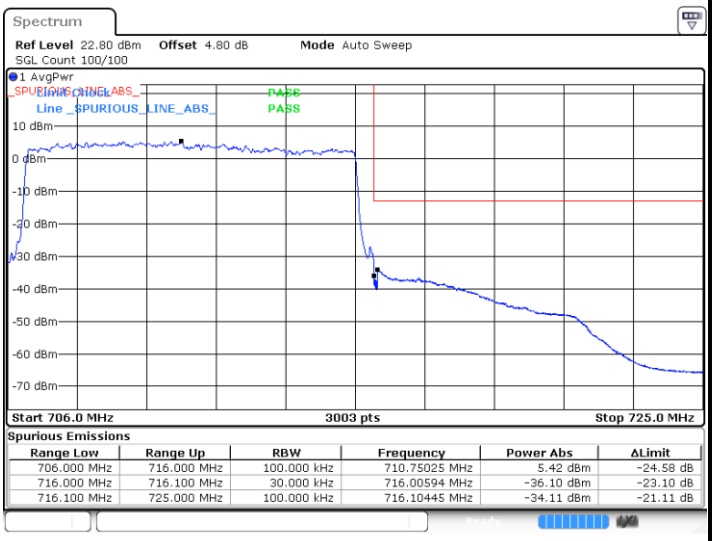


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.89555 MHz	-34.66 dBm	-21.66 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.98956 MHz	-36.52 dBm	-23.52 dB
699.000 MHz	709.000 MHz	100.000 kHz	708.37562 MHz	5.48 dBm	-24.52 dB

Date: 2.AUG.2020 03:23:40

Highest Band Edge / Full RB



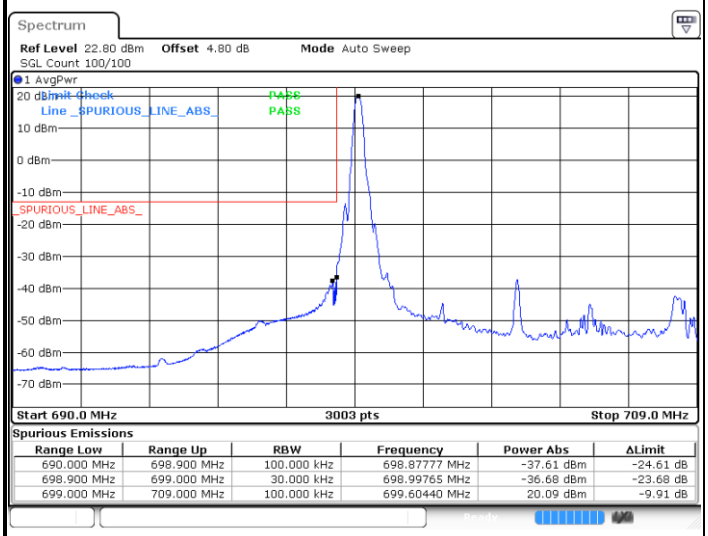
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	710.75025 MHz	5.42 dBm	-24.58 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00594 MHz	-36.10 dBm	-23.10 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-34.11 dBm	-21.11 dB

Date: 2.AUG.2020 03:27:03

LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

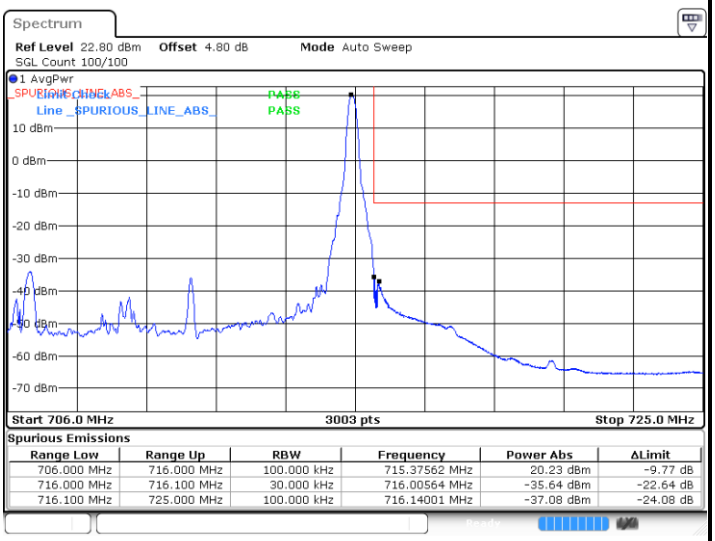


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.87777 MHz	-37.61 dBm	-24.61 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.99765 MHz	-36.68 dBm	-23.68 dB
699.000 MHz	709.000 MHz	100.000 kHz	699.60440 MHz	20.09 dBm	-9.91 dB

Date: 2.AUG.2020 03:21:26

Highest Band Edge / 1 RB

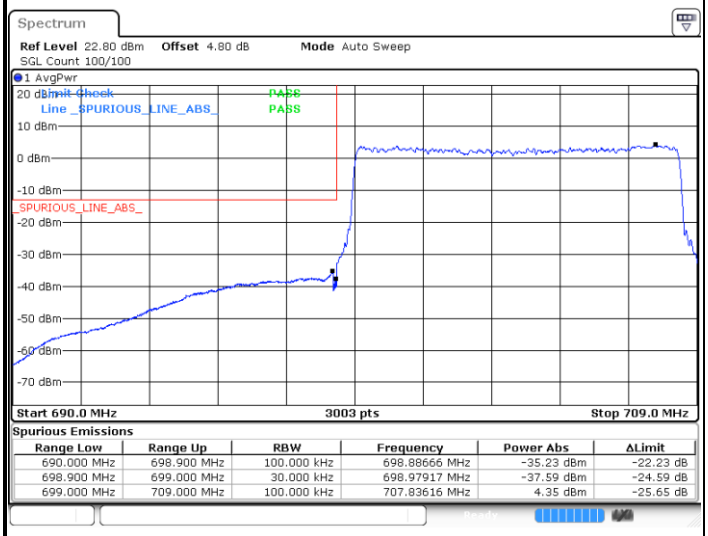


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	715.37562 MHz	20.23 dBm	-9.77 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.00564 MHz	-35.64 dBm	-22.64 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.14001 MHz	-37.08 dBm	-24.08 dB

Date: 2.AUG.2020 03:29:17

Lowest Band Edge / Full RB

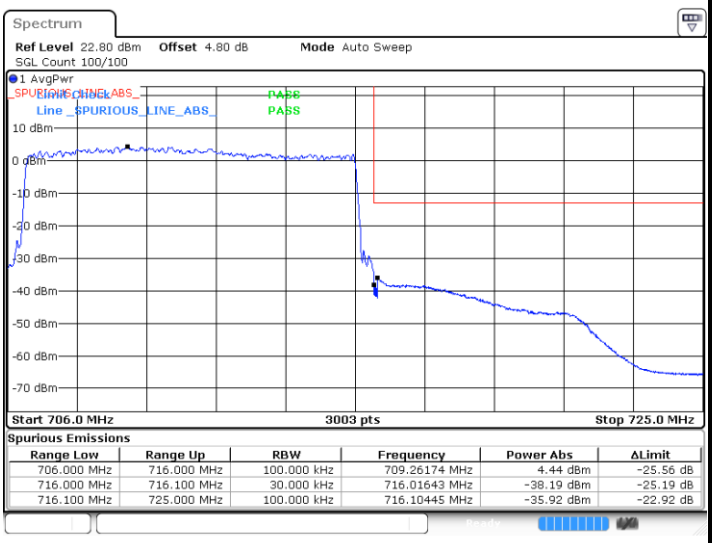


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
690.000 MHz	698.900 MHz	100.000 kHz	698.88666 MHz	-35.23 dBm	-22.23 dB
698.900 MHz	699.000 MHz	30.000 kHz	698.97917 MHz	-37.59 dBm	-24.59 dB
699.000 MHz	709.000 MHz	100.000 kHz	707.83616 MHz	4.35 dBm	-25.65 dB

Date: 2.AUG.2020 03:24:48

Highest Band Edge / Full RB



Spurious Emissions

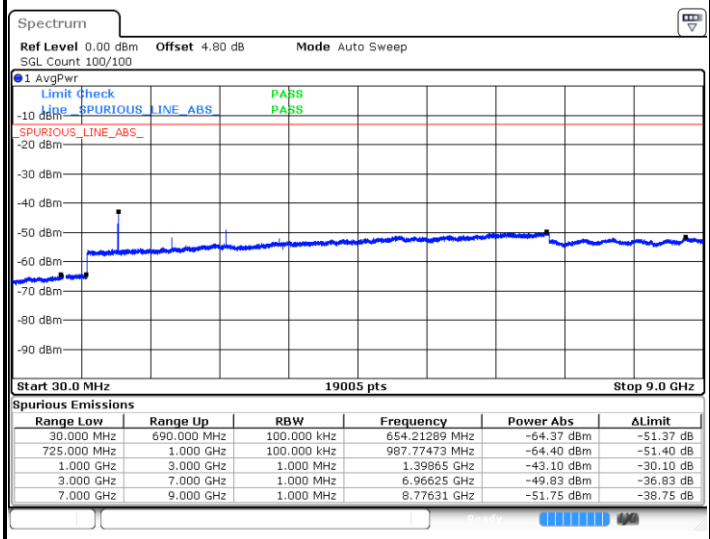
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
706.000 MHz	716.000 MHz	100.000 kHz	709.26174 MHz	4.44 dBm	-25.56 dB
716.000 MHz	716.100 MHz	30.000 kHz	716.01643 MHz	-38.19 dBm	-25.19 dB
716.100 MHz	725.000 MHz	100.000 kHz	716.10445 MHz	-35.92 dBm	-22.92 dB

Date: 2.AUG.2020 03:25:55

Conducted Spurious Emission

LTE Band 12 / 1.4MHz

Lowest Channel / QPSK

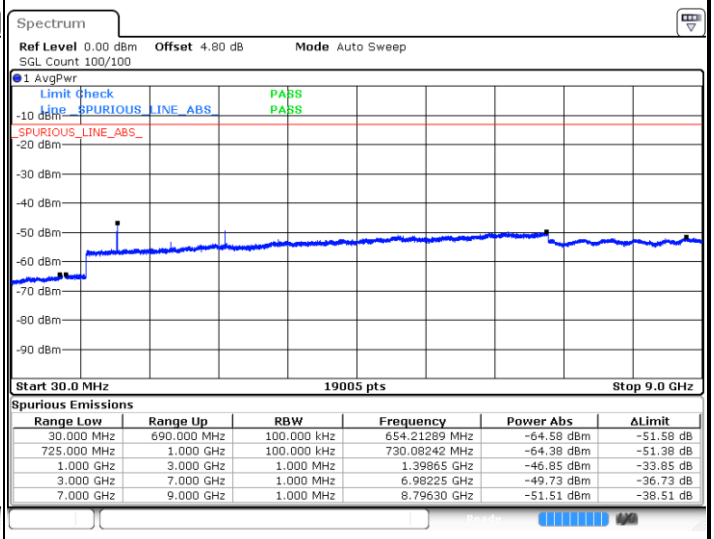


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-64.37 dBm	-51.37 dB
725.000 MHz	1.000 GHz	100.000 kHz	987.77473 MHz	-64.40 dBm	-51.40 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.10 dBm	-30.10 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.96625 GHz	-49.83 dBm	-36.83 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.77631 GHz	-51.75 dBm	-38.75 dB

Date: 2.AUG.2020 02:26:34

Lowest Channel / 16QAM

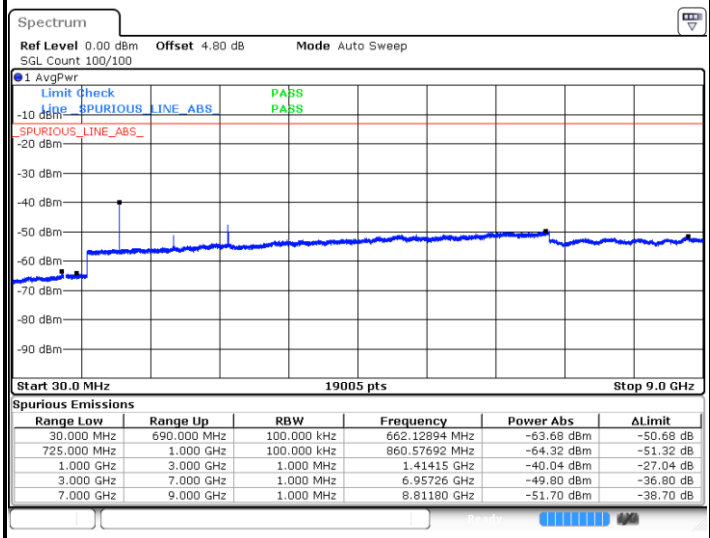


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-64.58 dBm	-51.58 dB
725.000 MHz	1.000 GHz	100.000 kHz	730.08242 MHz	-64.38 dBm	-51.38 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.85 dBm	-33.85 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.98225 GHz	-49.73 dBm	-36.73 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79630 GHz	-51.51 dBm	-38.51 dB

Date: 2.AUG.2020 02:27:28

Middle Channel / QPSK

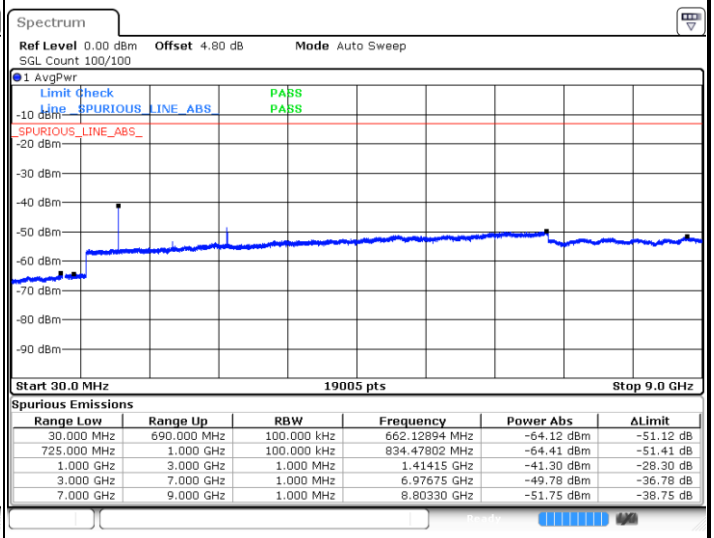


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	662.12894 MHz	-63.68 dBm	-50.68 dB
725.000 MHz	1.000 GHz	100.000 kHz	860.57692 MHz	-64.32 dBm	-51.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-40.04 dBm	-27.04 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.95726 GHz	-49.80 dBm	-36.80 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.81180 GHz	-51.70 dBm	-38.70 dB

Date: 2.AUG.2020 02:29:16

Middle Channel / 16QAM



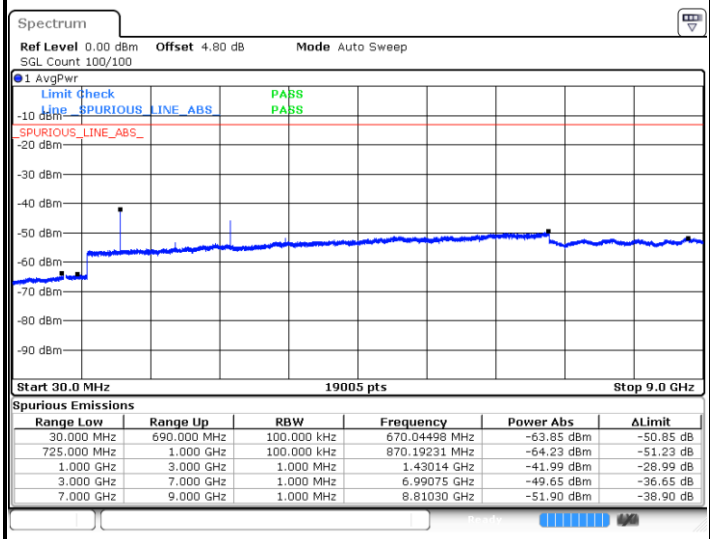
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	662.12894 MHz	-64.12 dBm	-51.12 dB
725.000 MHz	1.000 GHz	100.000 kHz	834.47802 MHz	-64.41 dBm	-51.41 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.41415 GHz	-41.30 dBm	-28.30 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97675 GHz	-49.78 dBm	-36.78 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.80330 GHz	-51.75 dBm	-38.75 dB

Date: 2.AUG.2020 02:28:22

LTE Band 12 / 1.4MHz

Highest Channel / QPSK

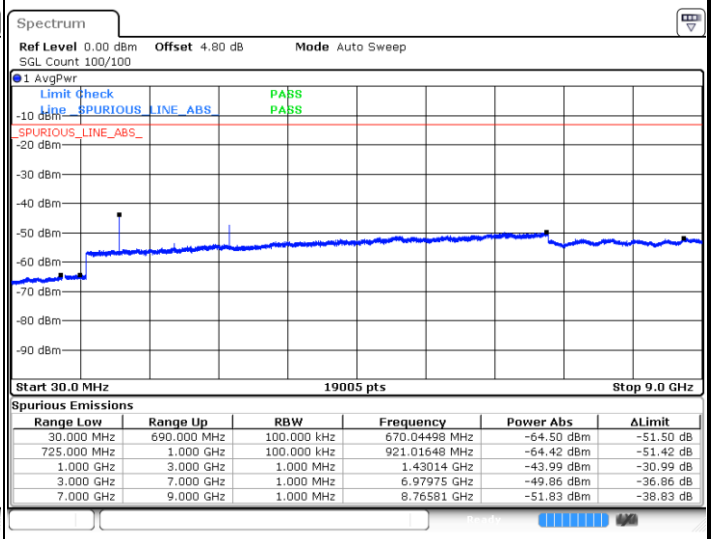


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-63.85 dBm	-50.85 dB
725.000 MHz	1.000 GHz	100.000 kHz	870.19231 MHz	-64.23 dBm	-51.23 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-41.99 dBm	-28.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99075 GHz	-49.65 dBm	-36.65 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.81030 GHz	-51.90 dBm	-38.90 dB

Date: 2.AUG.2020 02:30:10

Highest Channel / 16QAM



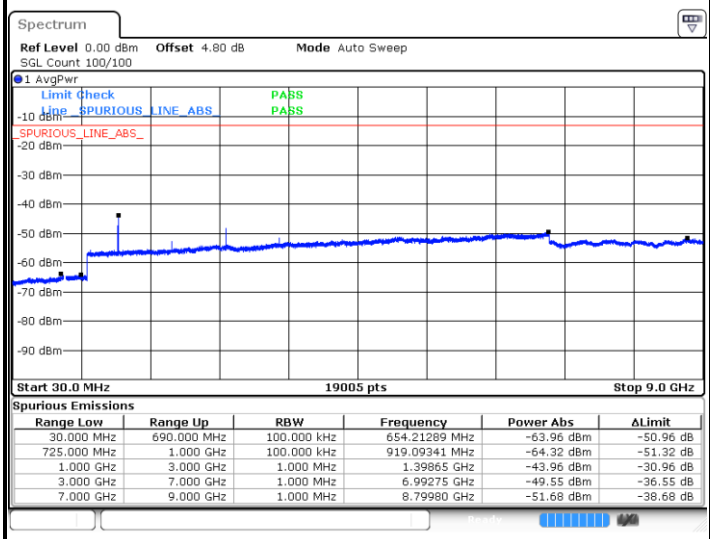
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	670.04498 MHz	-64.50 dBm	-51.50 dB
725.000 MHz	1.000 GHz	100.000 kHz	921.01648 MHz	-64.42 dBm	-51.42 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.43014 GHz	-43.99 dBm	-30.99 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97975 GHz	-49.86 dBm	-36.86 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.76581 GHz	-51.83 dBm	-38.83 dB

Date: 2.AUG.2020 02:31:05

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	-63.96 dBm	-50.96 dB
725.000 MHz	1.000 GHz	100.000 kHz	919.09341 MHz	-64.32 dBm	-51.32 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-43.96 dBm	-30.96 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99275 GHz	-49.55 dBm	-36.55 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.79980 GHz	-51.68 dBm	-38.68 dB

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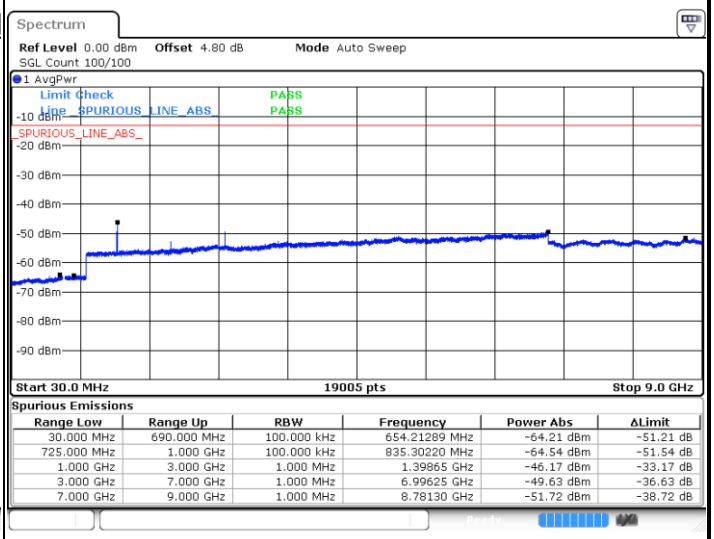
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	690.000 MHz	100.000 kHz	654.21289 MHz	-64.21 dBm	-51.21 dB
725.000 MHz	1.000 GHz	100.000 kHz	835.30220 MHz	-64.54 dBm	-51.54 dB
1.000 GHz	3.000 GHz	1.000 MHz	1.39865 GHz	-46.17 dBm	-33.17 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99625 GHz	-49.63 dBm	-36.63 dB
7.000 GHz	9.000 GHz	1.000 MHz	8.78130 GHz	-51.72 dBm	-38.72 dB

Date: 2.AUG.2020 02:43:52