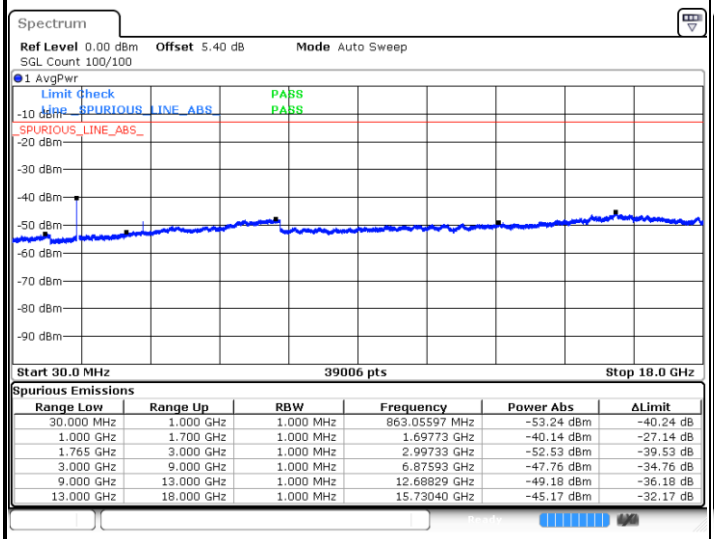
LTE Band 4 / 15MHz

Lowest Channel / QPSK

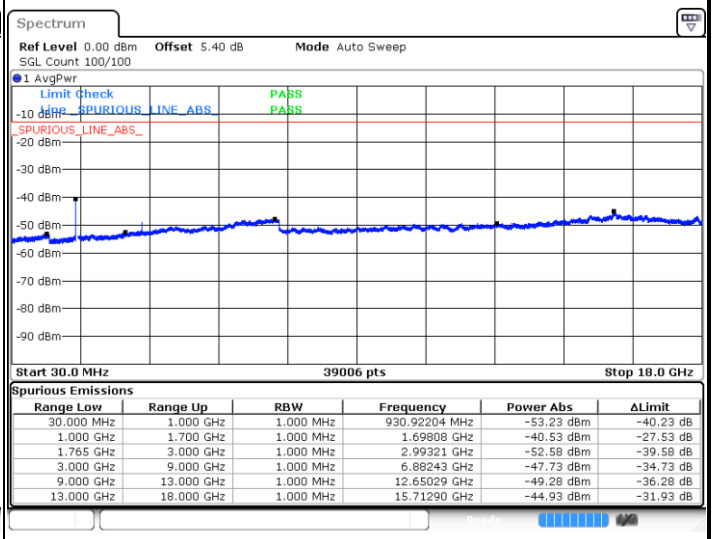


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	863.05597 MHz	-53.24 dBm	-40.24 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69773 GHz	-40.14 dBm	-27.14 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99733 GHz	-52.53 dBm	-39.53 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87593 GHz	-47.76 dBm	-34.76 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68829 GHz	-49.18 dBm	-36.18 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73040 GHz	-45.17 dBm	-32.17 dB

Date: 6.DEC.2019 07:53:31

Lowest Channel / 16QAM

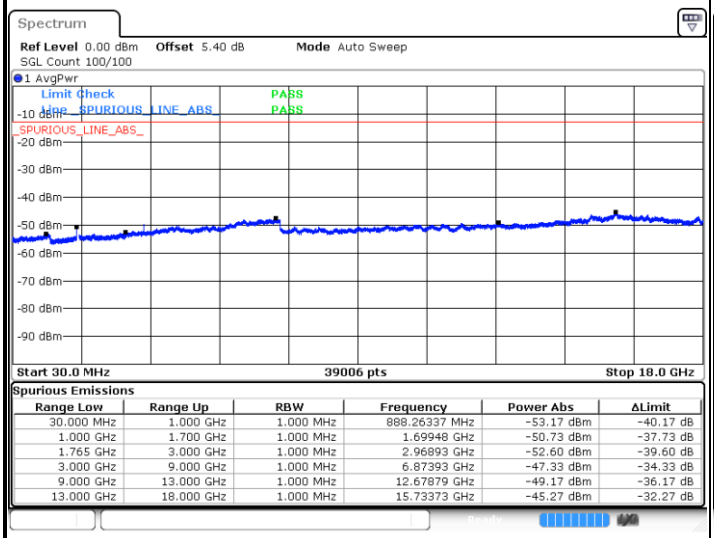


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.92204 MHz	-53.23 dBm	-40.23 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69808 GHz	-40.53 dBm	-27.53 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99321 GHz	-52.58 dBm	-39.58 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88243 GHz	-47.73 dBm	-34.73 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.65029 GHz	-49.28 dBm	-36.28 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.71290 GHz	-44.93 dBm	-31.93 dB

Date: 6.DEC.2019 07:54:26

Middle Channel / QPSK

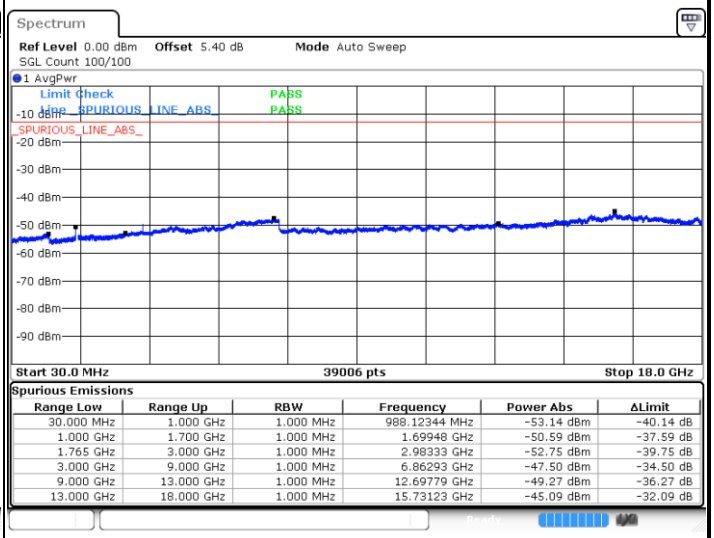


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.26337 MHz	-53.17 dBm	-40.17 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-50.73 dBm	-37.73 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.96893 GHz	-52.60 dBm	-39.60 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87393 GHz	-47.33 dBm	-34.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67879 GHz	-49.17 dBm	-36.17 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73373 GHz	-45.27 dBm	-32.27 dB

Date: 6.DEC.2019 07:56:01

Middle Channel / 16QAM



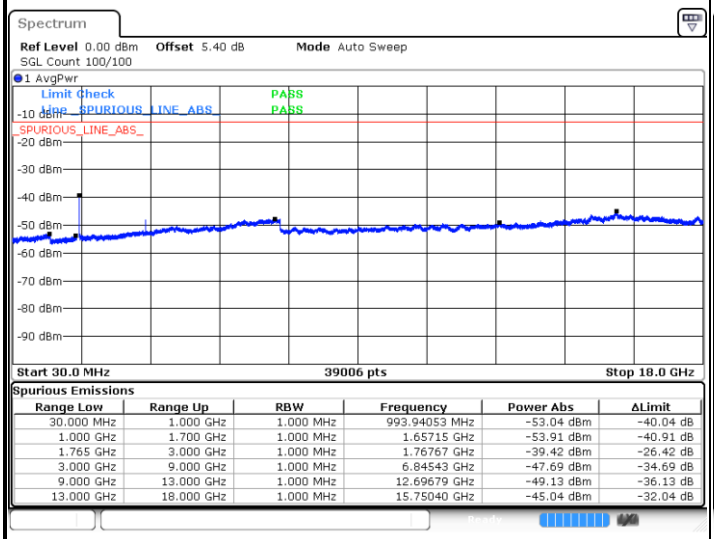
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	988.12344 MHz	-53.14 dBm	-40.14 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69948 GHz	-50.59 dBm	-37.59 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.98333 GHz	-52.75 dBm	-39.75 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86293 GHz	-47.50 dBm	-34.50 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69779 GHz	-49.27 dBm	-36.27 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73123 GHz	-45.09 dBm	-32.09 dB

Date: 6.DEC.2019 07:56:55

LTE Band 4 / 15MHz

Highest Channel / QPSK

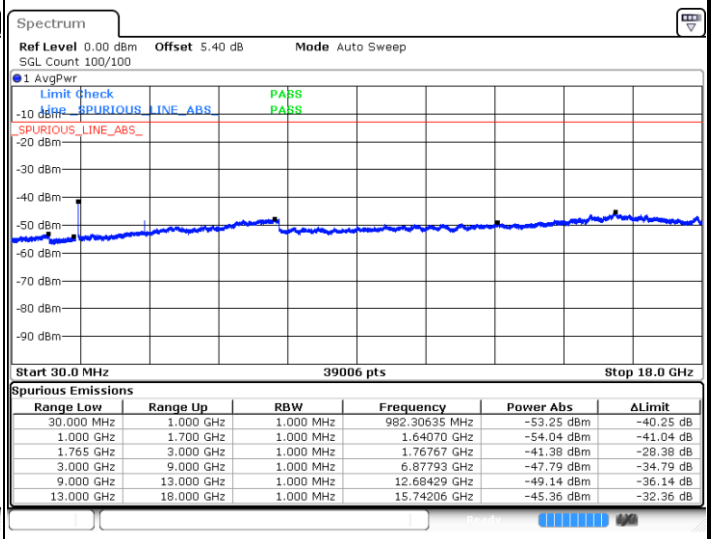


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	993.94053 MHz	-53.04 dBm	-40.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.65715 GHz	-53.91 dBm	-40.91 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-39.42 dBm	-26.42 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84543 GHz	-47.69 dBm	-34.69 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69679 GHz	-49.13 dBm	-36.13 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75040 GHz	-45.04 dBm	-32.04 dB

Date: 6.DEC.2019 08:03:00

Highest Channel / 16QAM



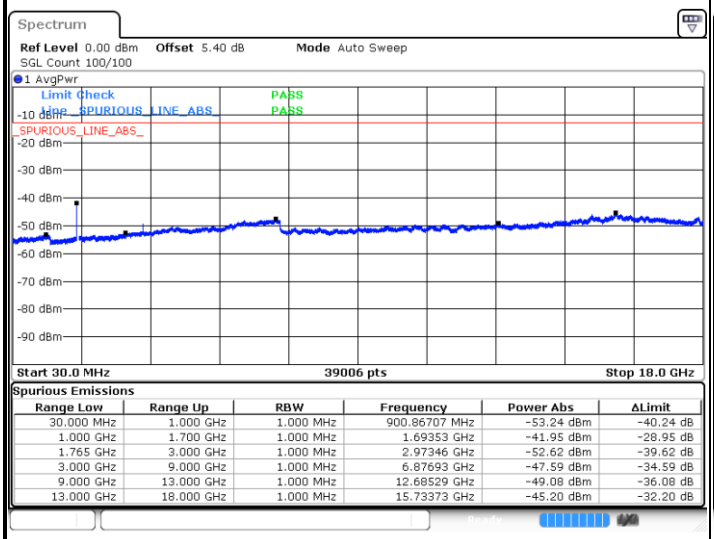
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	982.30635 MHz	-53.25 dBm	-40.25 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.64070 GHz	-54.04 dBm	-41.04 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76767 GHz	-41.38 dBm	-28.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87793 GHz	-47.79 dBm	-34.79 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68429 GHz	-49.14 dBm	-36.14 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.74206 GHz	-45.36 dBm	-32.36 dB

Date: 6.DEC.2019 08:03:54

LTE Band 4 / 20MHz

Lowest Channel / QPSK

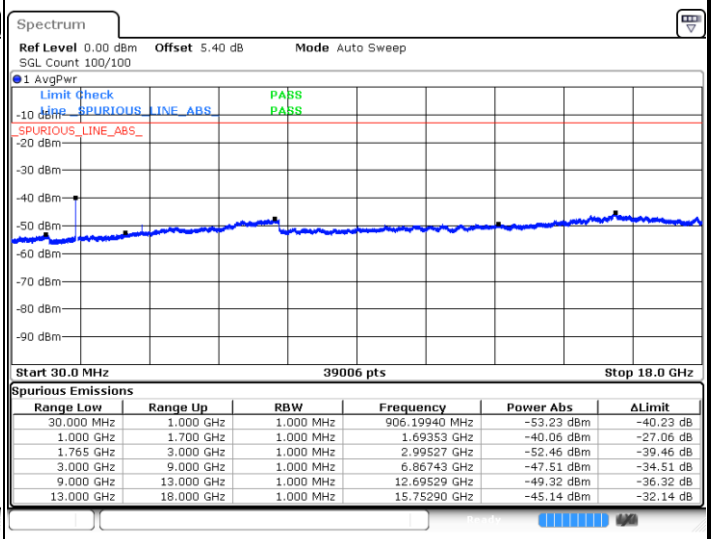


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	900.86707 MHz	-53.24 dBm	-40.24 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-41.95 dBm	-28.95 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.97346 GHz	-52.62 dBm	-39.62 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.87693 GHz	-47.59 dBm	-34.59 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68529 GHz	-49.08 dBm	-36.08 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73373 GHz	-45.20 dBm	-32.20 dB

Date: 6.DEC.2019 08:09:59

Lowest Channel / 16QAM



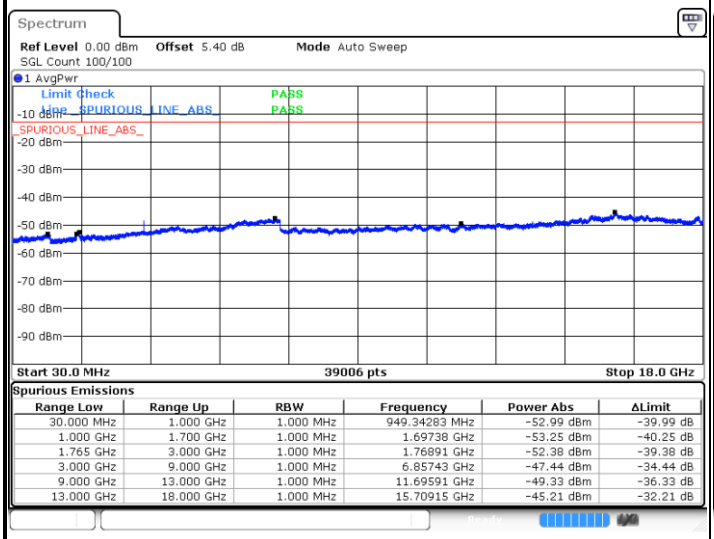
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	906.19940 MHz	-53.23 dBm	-40.23 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69353 GHz	-40.06 dBm	-27.06 dB
1.765 GHz	3.000 GHz	1.000 MHz	2.99527 GHz	-52.46 dBm	-39.46 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.86743 GHz	-47.51 dBm	-34.51 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.69529 GHz	-49.32 dBm	-36.32 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.75290 GHz	-45.14 dBm	-32.14 dB

Date: 6.DEC.2019 08:10:53

LTE Band 4 / 20MHz

Middle Channel / QPSK

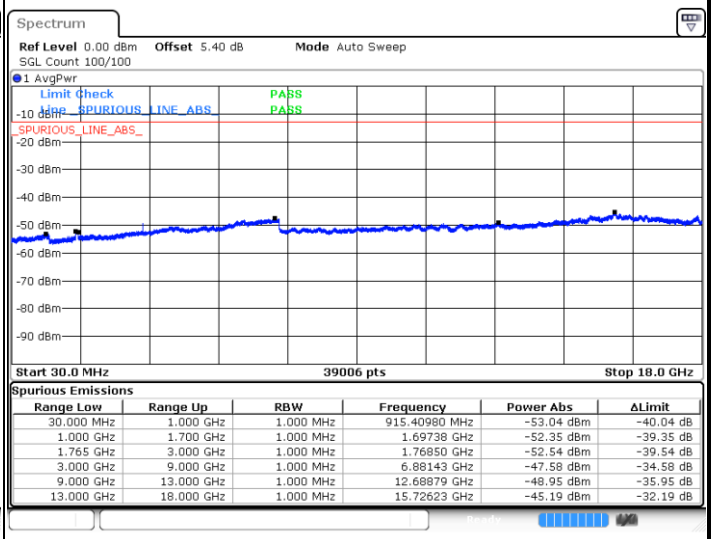


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	949.34283 MHz	-52.99 dBm	-39.99 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-53.25 dBm	-40.25 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76891 GHz	-52.38 dBm	-39.38 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.85743 GHz	-47.44 dBm	-34.44 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.69591 GHz	-49.33 dBm	-36.33 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.70915 GHz	-45.21 dBm	-32.21 dB

Date: 6.DEC.2019 08:12:28

Middle Channel / 16QAM

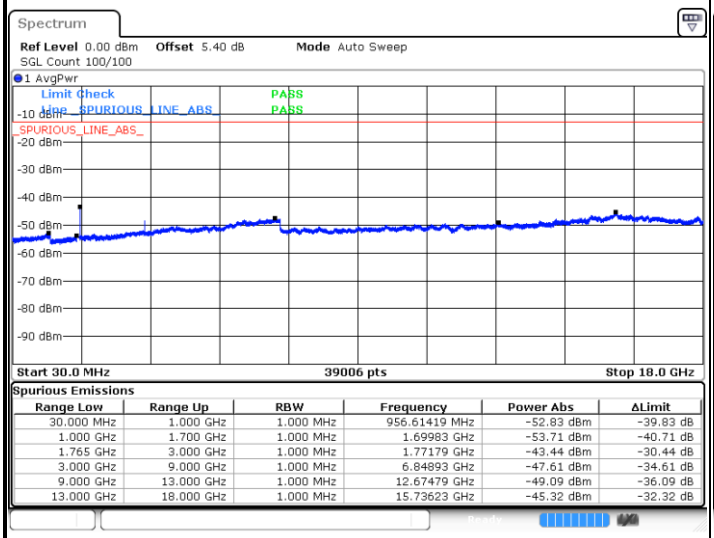


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	915.40980 MHz	-53.04 dBm	-40.04 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69738 GHz	-52.35 dBm	-39.35 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.76850 GHz	-52.54 dBm	-39.54 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88143 GHz	-47.58 dBm	-34.58 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.68879 GHz	-48.95 dBm	-35.95 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.72623 GHz	-45.19 dBm	-32.19 dB

Date: 6.DEC.2019 08:13:22

Highest Channel / QPSK

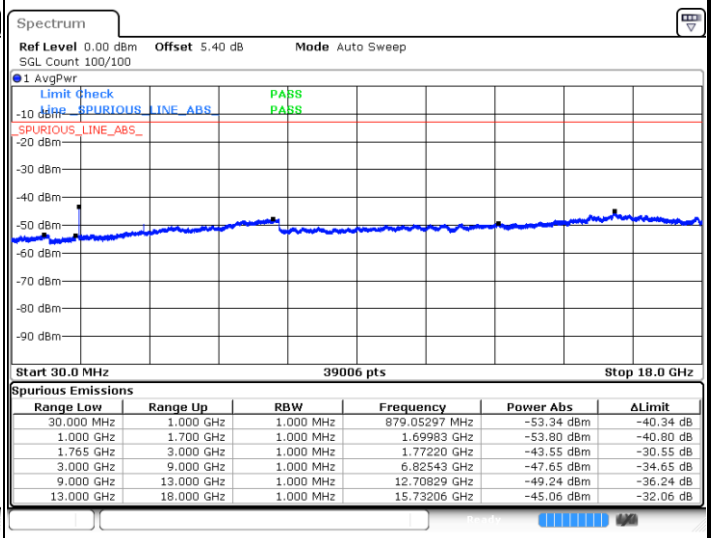


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.61419 MHz	-52.83 dBm	-39.83 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.71 dBm	-40.71 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77179 GHz	-43.44 dBm	-30.44 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.84893 GHz	-47.61 dBm	-34.61 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.67479 GHz	-49.09 dBm	-36.09 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73623 GHz	-45.32 dBm	-32.32 dB

Date: 6.DEC.2019 08:19:26

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	879.05297 MHz	-53.34 dBm	-40.34 dB
1.000 GHz	1.700 GHz	1.000 MHz	1.69983 GHz	-53.80 dBm	-40.80 dB
1.765 GHz	3.000 GHz	1.000 MHz	1.77220 GHz	-43.55 dBm	-30.55 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.82543 GHz	-47.65 dBm	-34.65 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.70829 GHz	-49.24 dBm	-36.24 dB
13.000 GHz	18.000 GHz	1.000 MHz	15.73206 GHz	-45.06 dBm	-32.06 dB

Date: 6.DEC.2019 08:20:21

Frequency Stability

Test Conditions		LTE Band 4 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0021	PASS
40	Normal Voltage	0.0024	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0021	
-10	Normal Voltage	0.0014	
-20	Normal Voltage	0.0024	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0034	
20	Battery End Point	0.0006	

Note:

1. Normal Voltage =3.8 V.；Battery End Point (BEP) =3.5 V.；Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

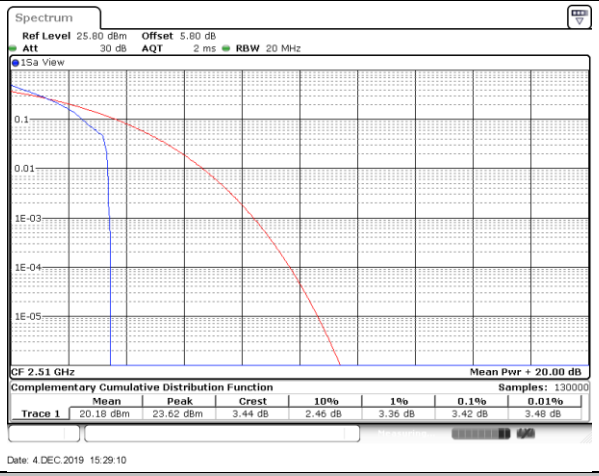
LTE Band 7

Peak-to-Average Ratio

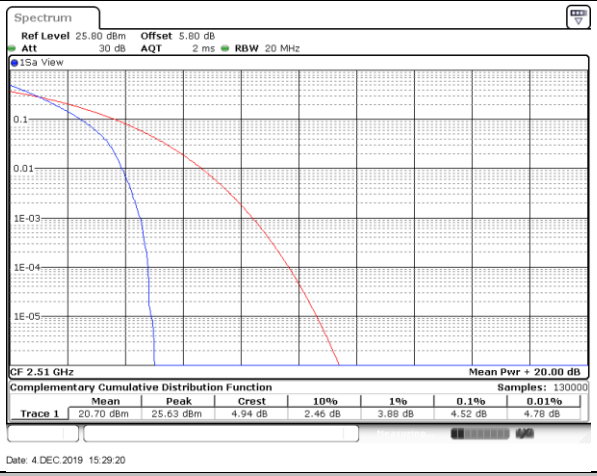
Mode	LTE Band 7 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	3.42	4.52	5.13	5.91	PASS
Middle CH	3.57	4.52	5.04	5.88	
Highest CH	3.51	4.70	4.75	5.91	

LTE Band 7 / 20MHz / QPSK

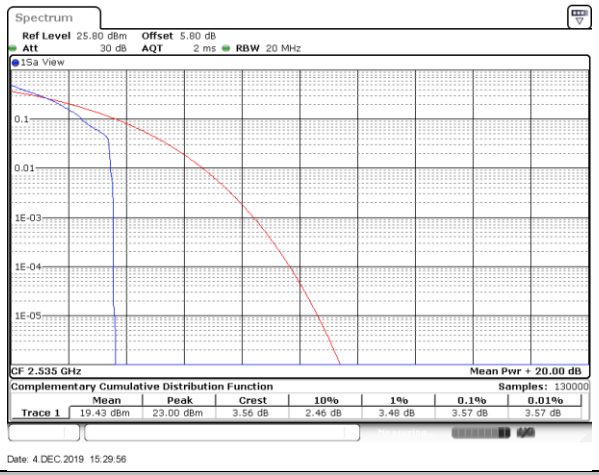
Lowest Channel / 1RB



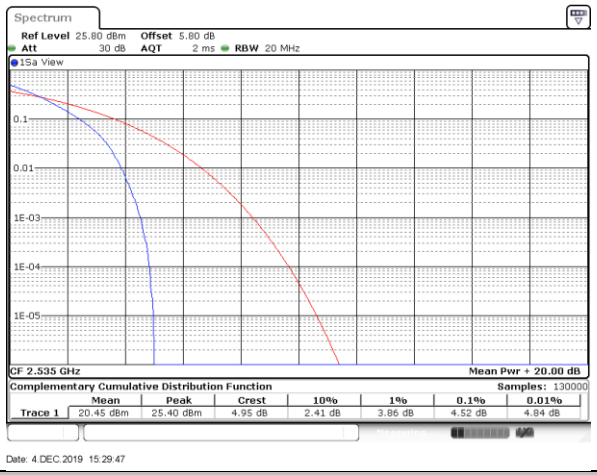
Lowest Channel / Full RB



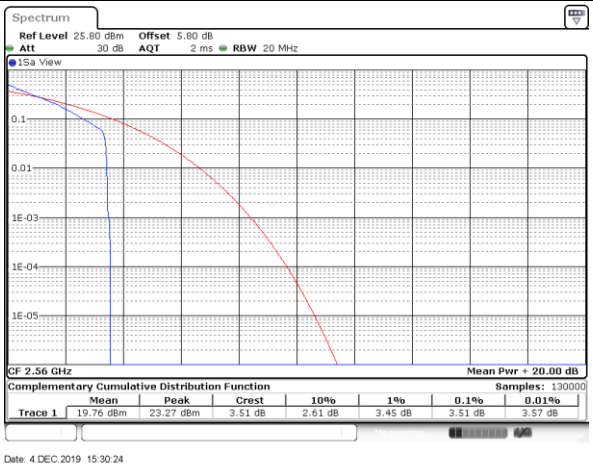
Middle Channel / 1RB



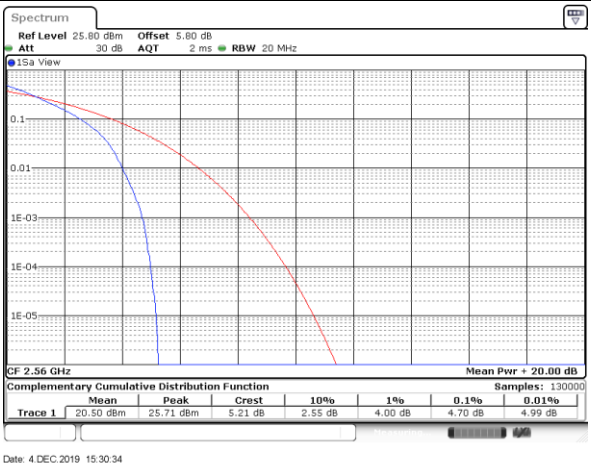
Middle Channel / Full RB



Highest Channel / 1RB

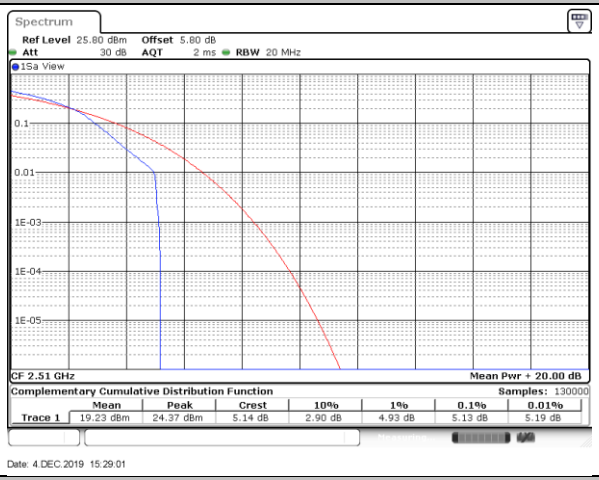


Highest Channel / Full RB

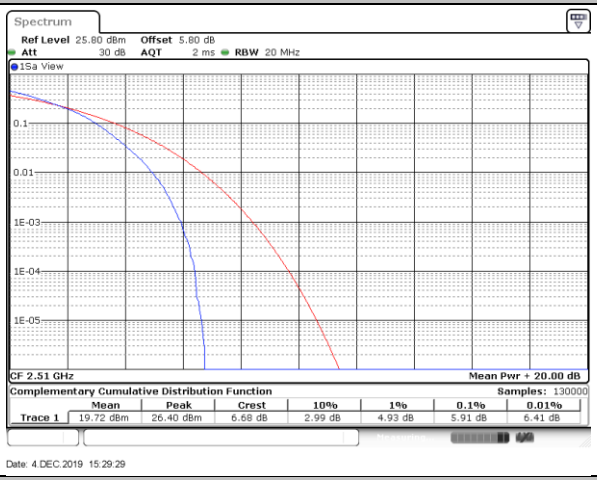


LTE Band 7 / 20MHz / 16QAM

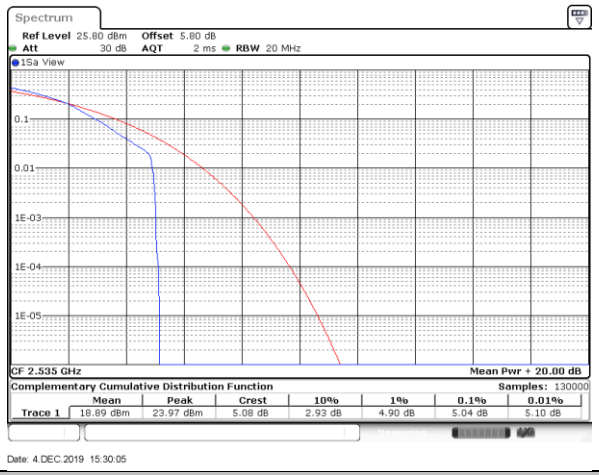
Lowest Channel / 1RB



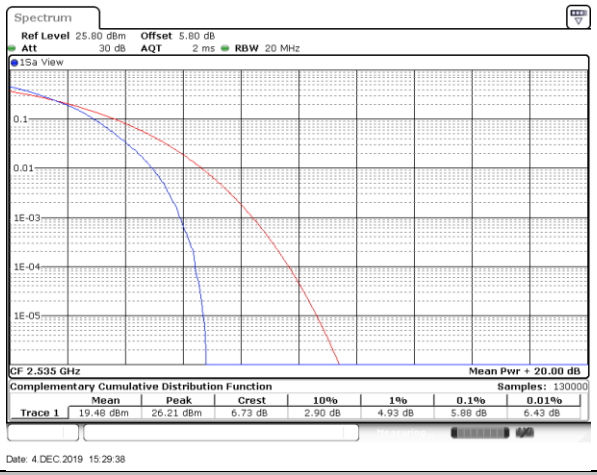
Lowest Channel / Full RB



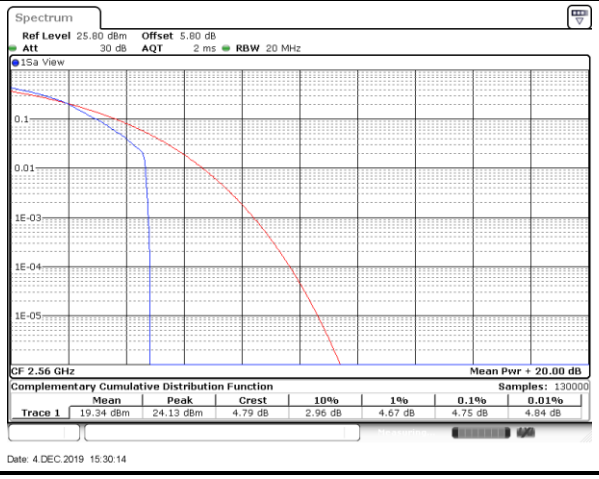
Middle Channel / 1RB



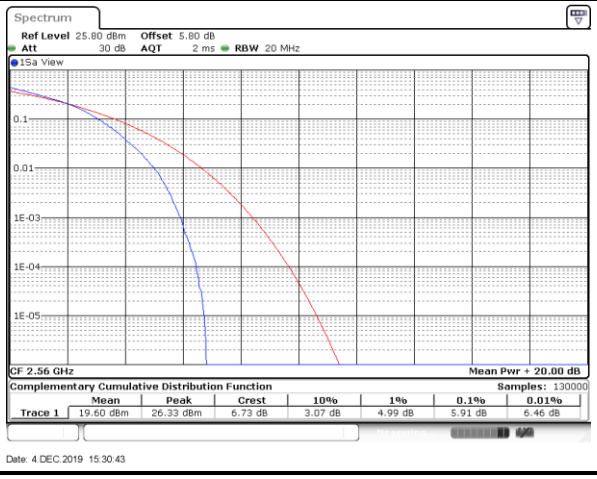
Middle Channel / Full RB



Highest Channel / 1RB



Highest Channel / Full RB

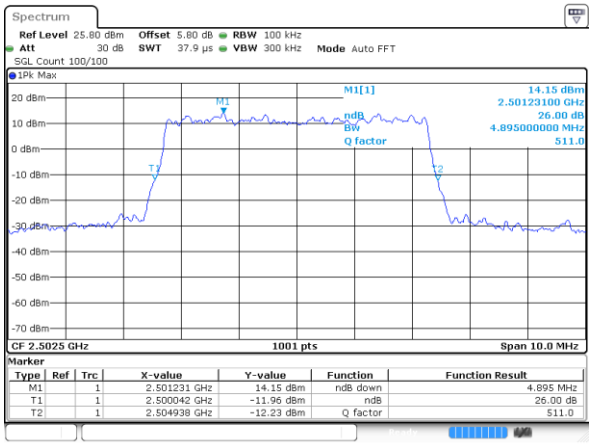


26dB Bandwidth

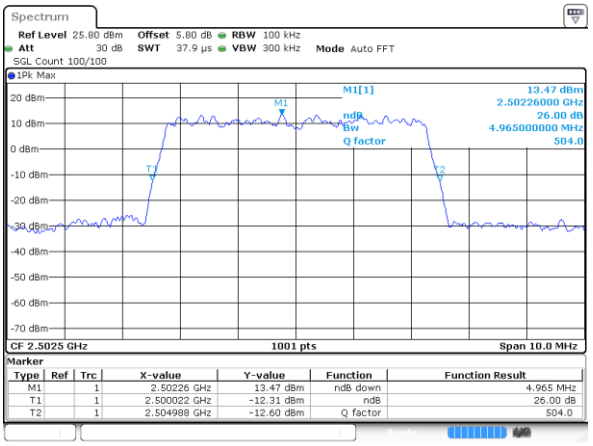
Mode												
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.895	4.965	9.77	9.71	14.236	14.236	20.1	20.1				
Middle CH	4.985	4.925	9.79	9.79	14.565	14.176	20.14	20.14				
Highest CH	4.915	4.825	9.89	9.73	14.206	14.296	20.1	20.3				

LTE Band 7

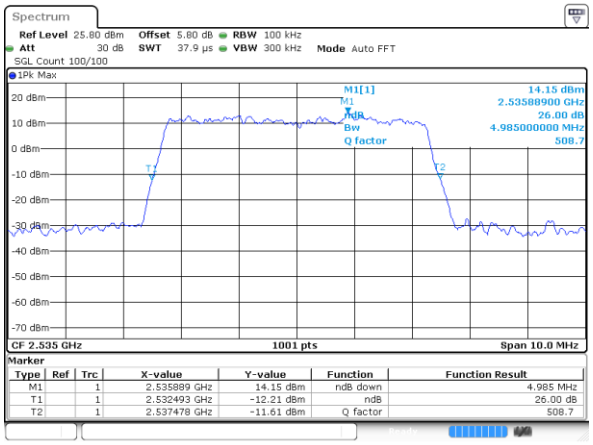
Lowest Channel / 5MHz / QPSK



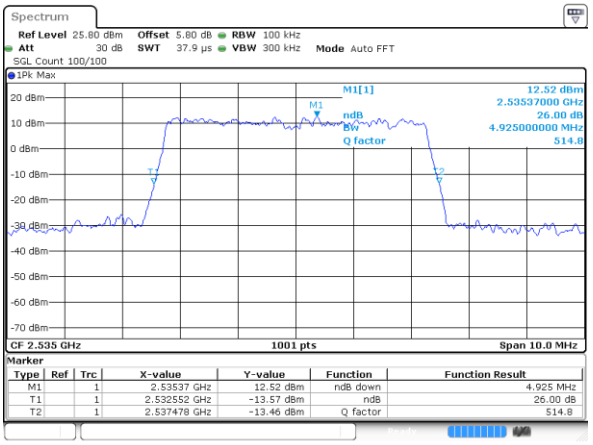
Lowest Channel / 5MHz / 16QAM



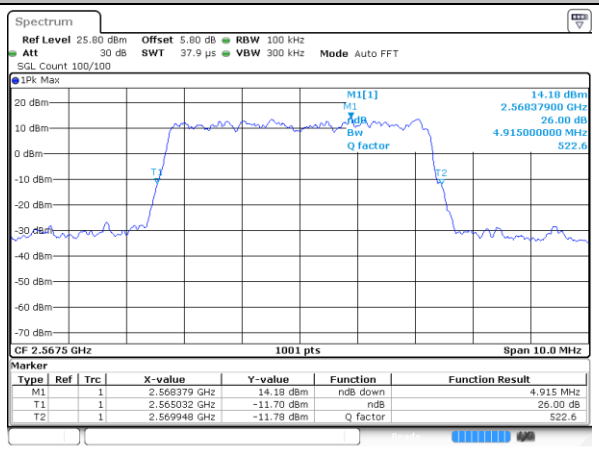
Middle Channel / 5MHz / QPSK



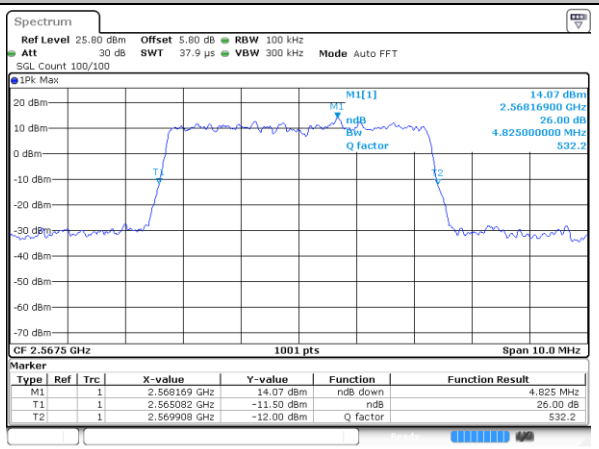
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

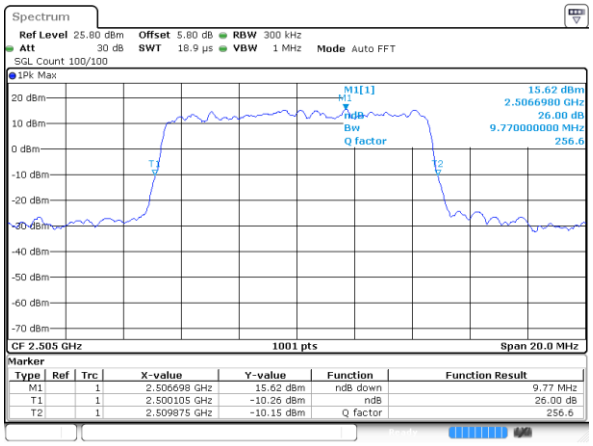


Highest Channel / 5MHz / 16QAM

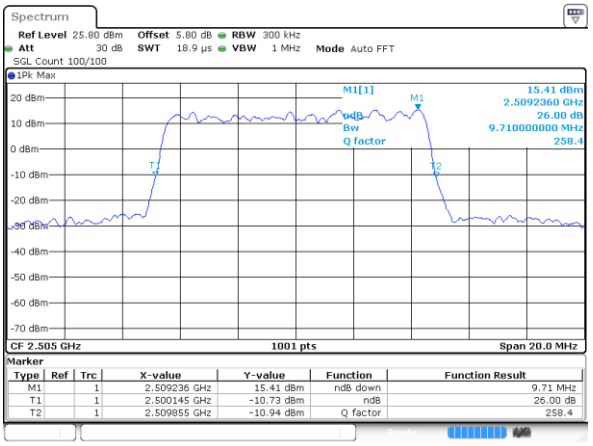


LTE Band 7

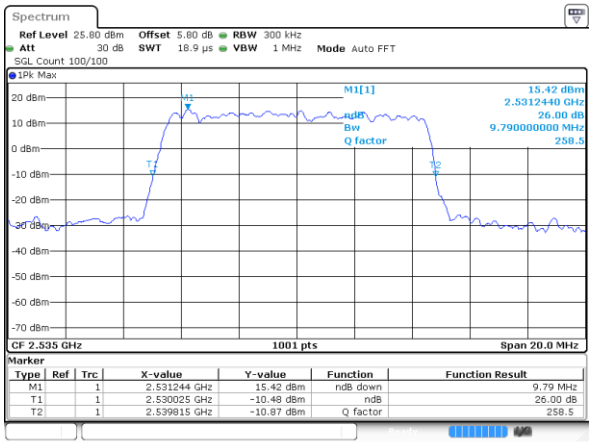
Lowest Channel / 10MHz / QPSK



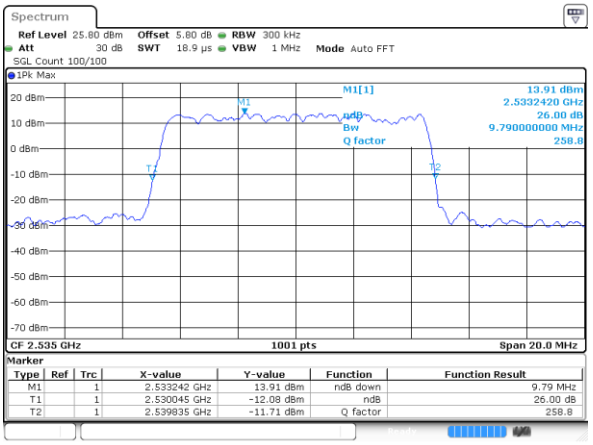
Lowest Channel / 10MHz / 16QAM



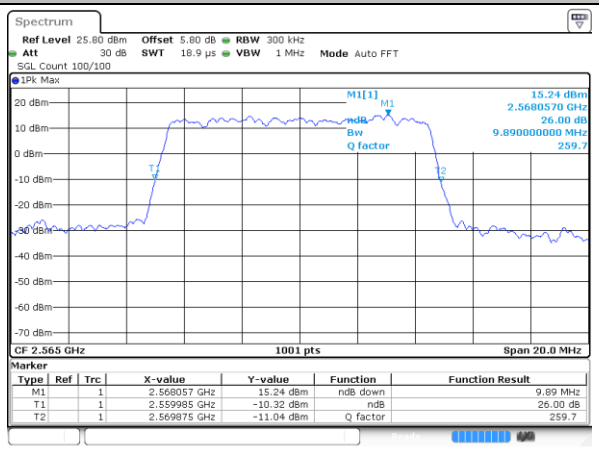
Middle Channel / 10MHz / QPSK



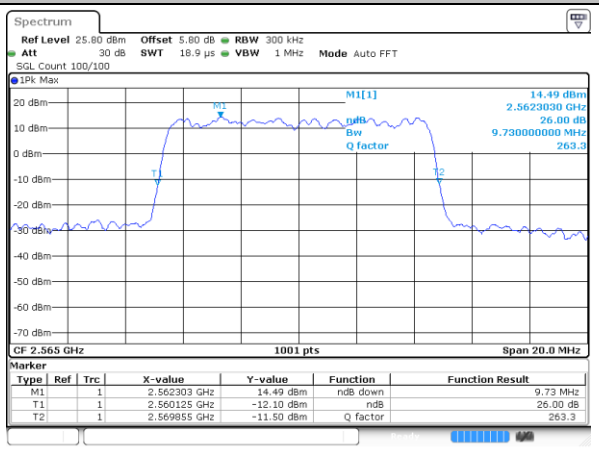
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

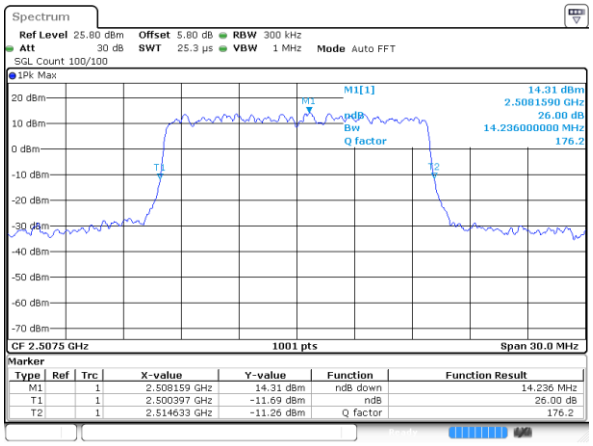


Highest Channel / 10MHz / 16QAM

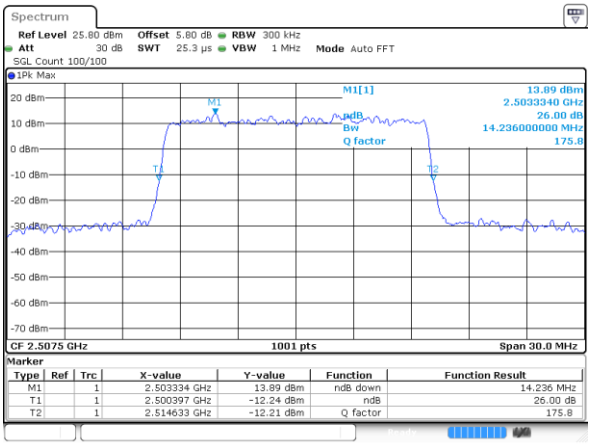


LTE Band 7

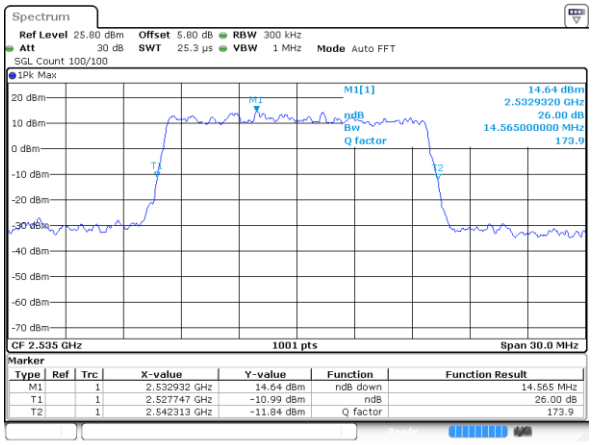
Lowest Channel / 15MHz / QPSK



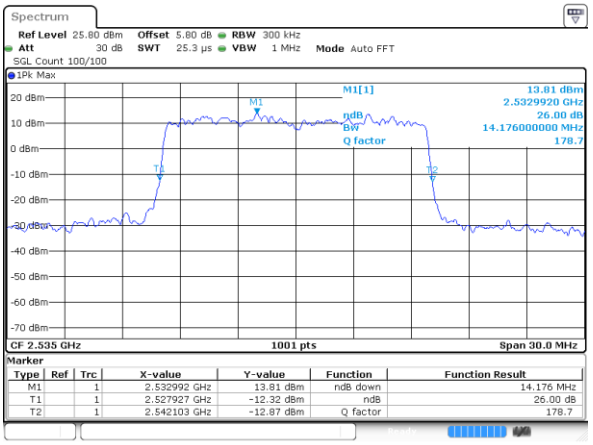
Lowest Channel / 15MHz / 16QAM



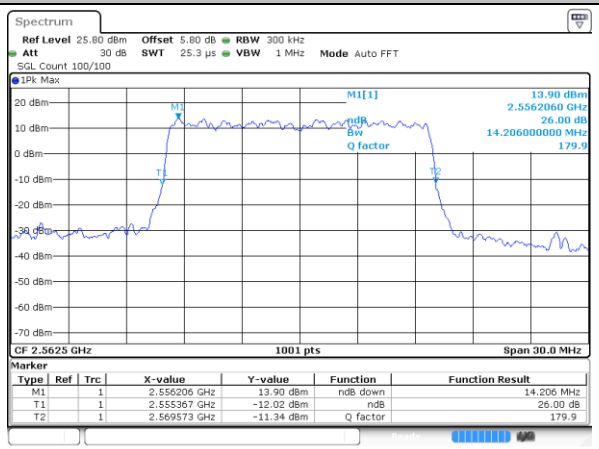
Middle Channel / 15MHz / QPSK



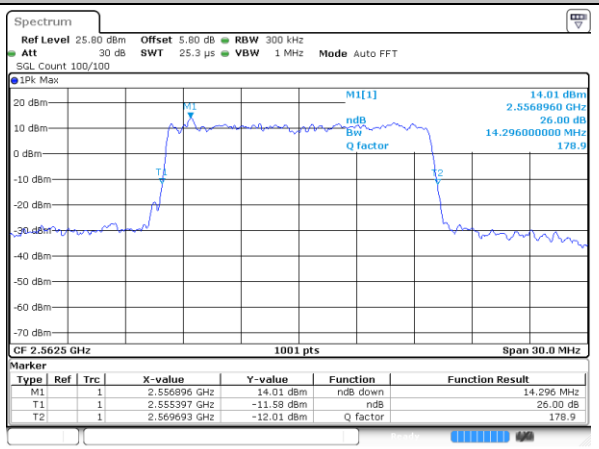
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

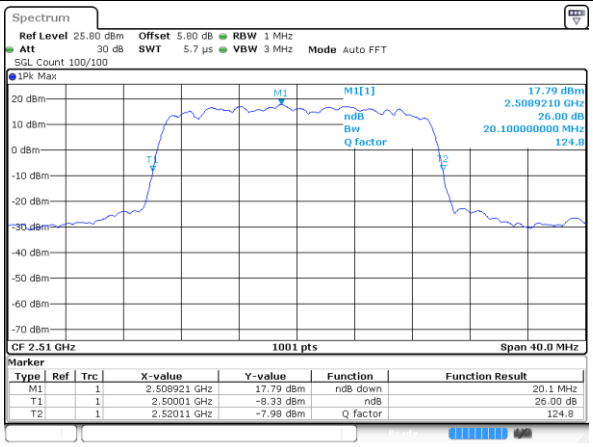


Highest Channel / 15MHz / 16QAM

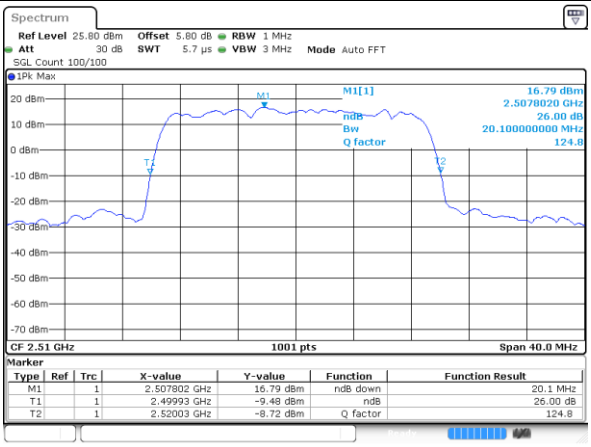


LTE Band 7

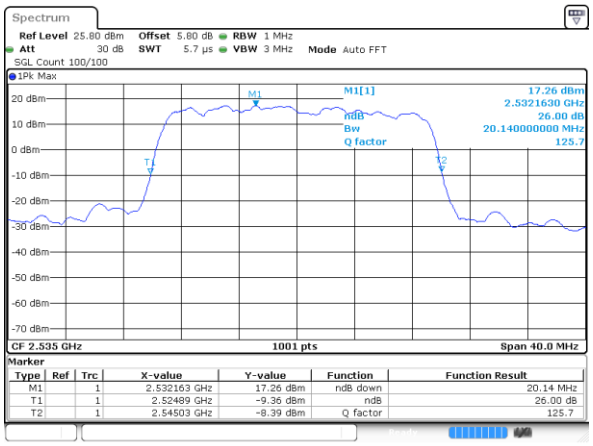
Lowest Channel / 20MHz / QPSK



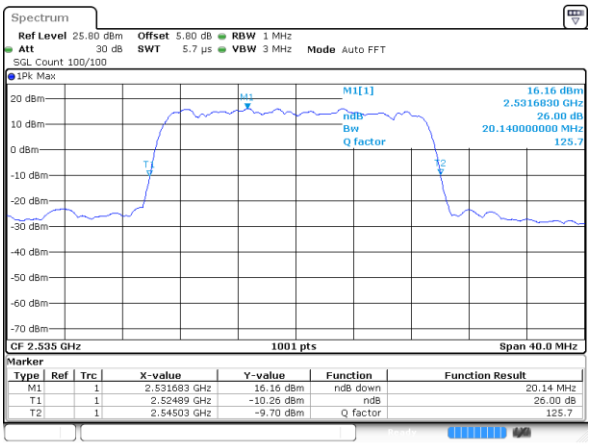
Lowest Channel / 20MHz / 16QAM



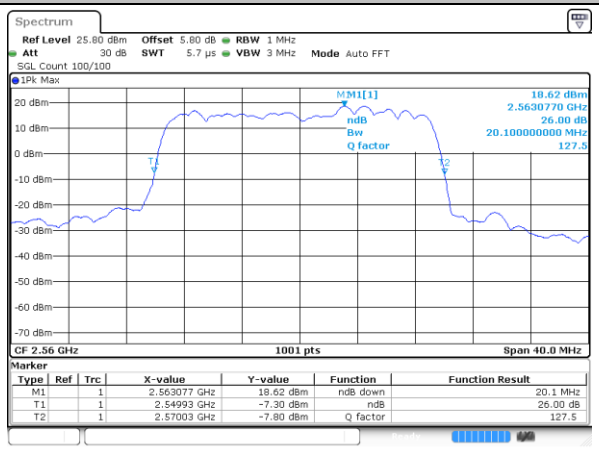
Middle Channel / 20MHz / QPSK



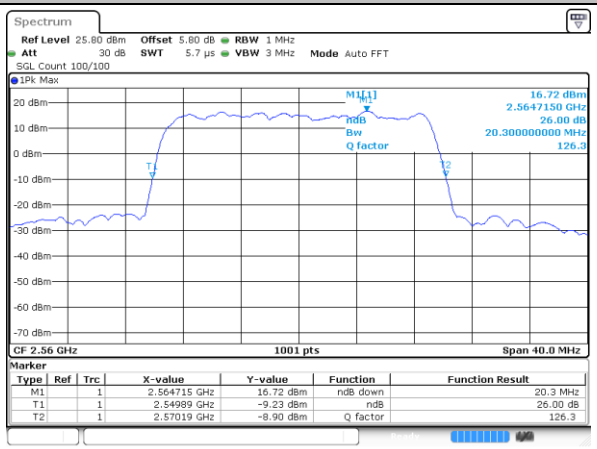
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



Highest Channel / 20MHz / 16QAM

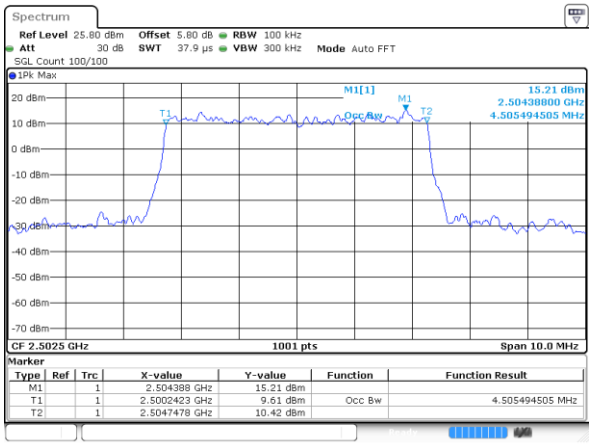


Occupied Bandwidth

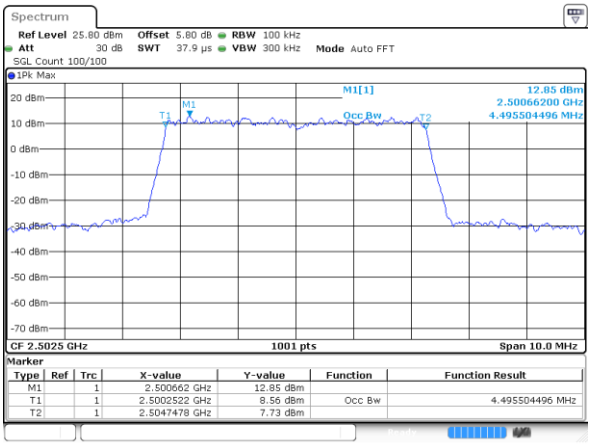
Mode	LTE Band 7 : 99%OBW(MHz)											
BW	5MHz		10MHz		15MHz		20MHz					
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM				
Lowest CH	4.51	4.50	9.07	9.03	13.43	13.40	18.34	18.18				
Middle CH	4.51	4.50	9.09	8.99	13.46	13.43	18.38	18.38				
Highest CH	4.48	4.49	9.05	9.01	13.40	13.46	18.26	18.38				

LTE Band 7

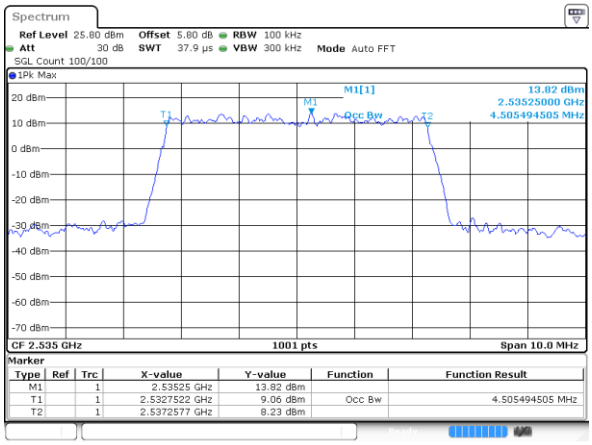
Lowest Channel / 5MHz / QPSK



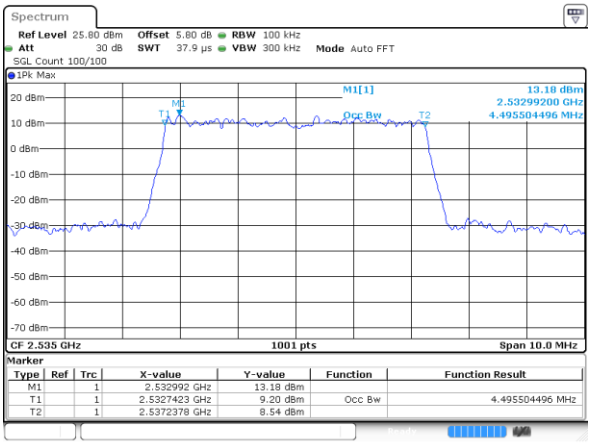
Lowest Channel / 5MHz / 16QAM



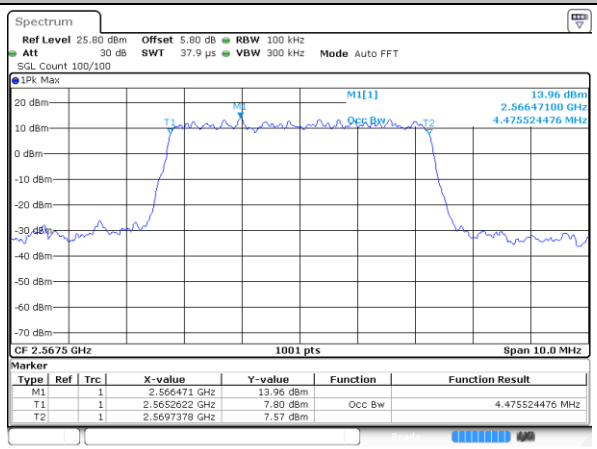
Middle Channel / 5MHz / QPSK



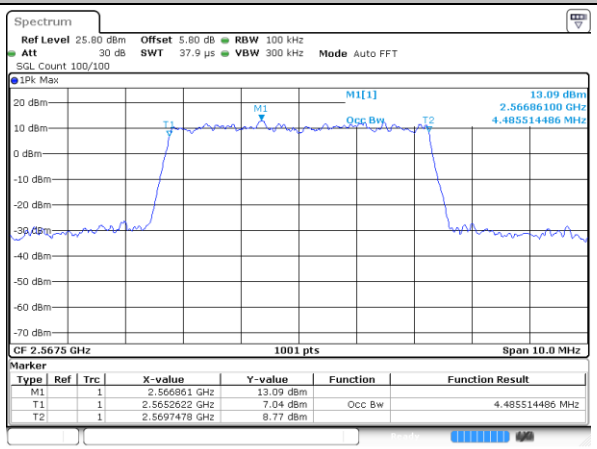
Middle Channel / 5MHz / 16QAM



Highest Channel / 5MHz / QPSK

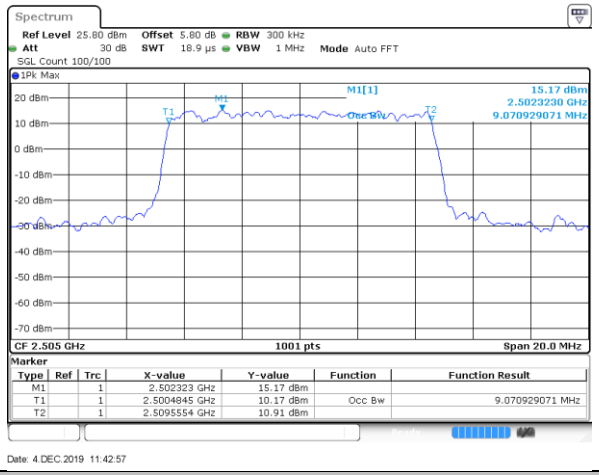


Highest Channel / 5MHz / 16QAM

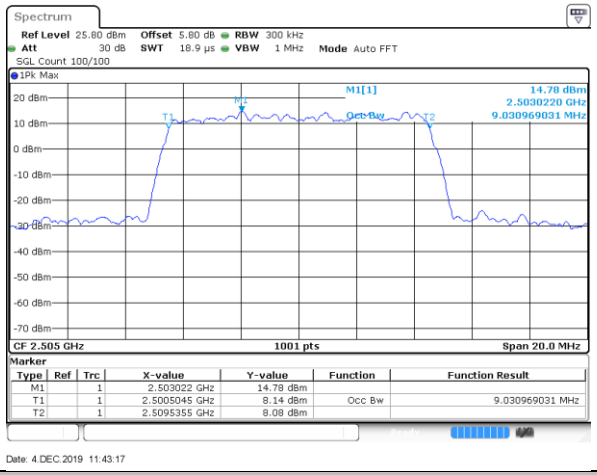


LTE Band 7

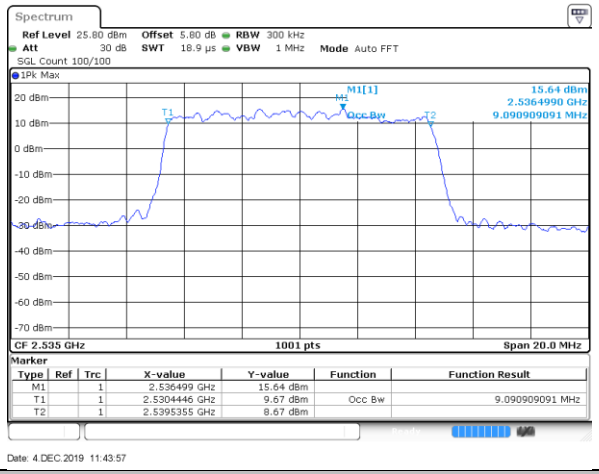
Lowest Channel / 10MHz / QPSK



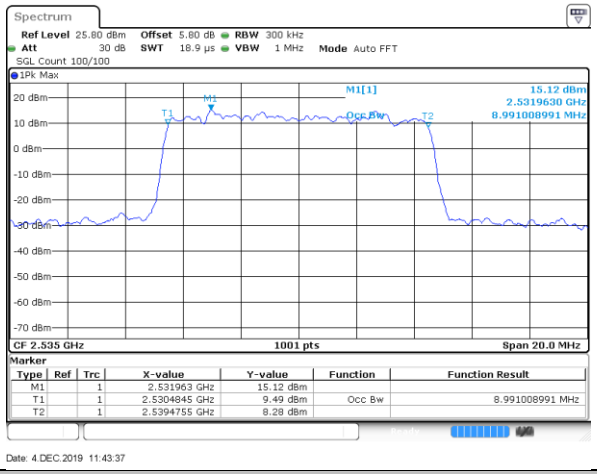
Lowest Channel / 10MHz / 16QAM



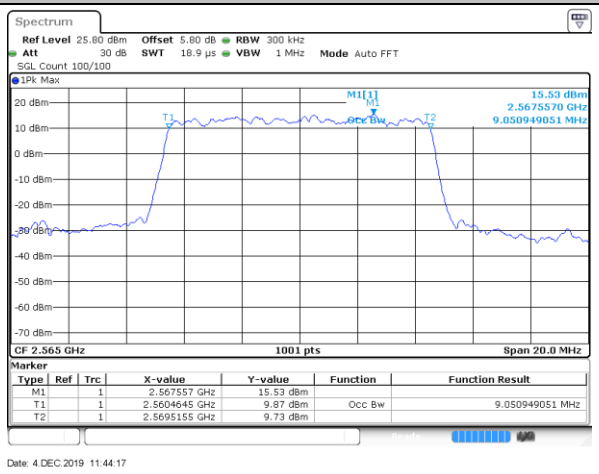
Middle Channel / 10MHz / QPSK



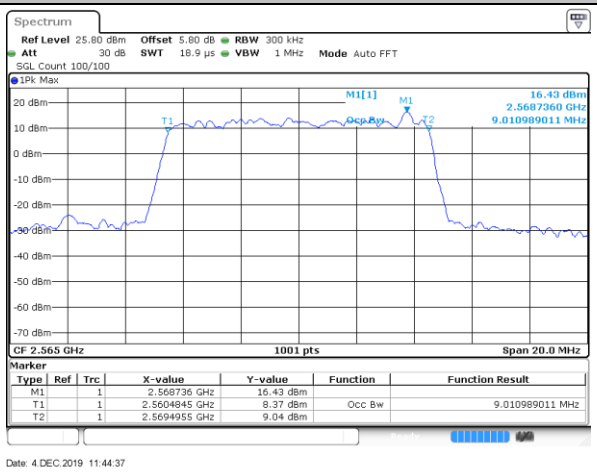
Middle Channel / 10MHz / 16QAM



Highest Channel / 10MHz / QPSK

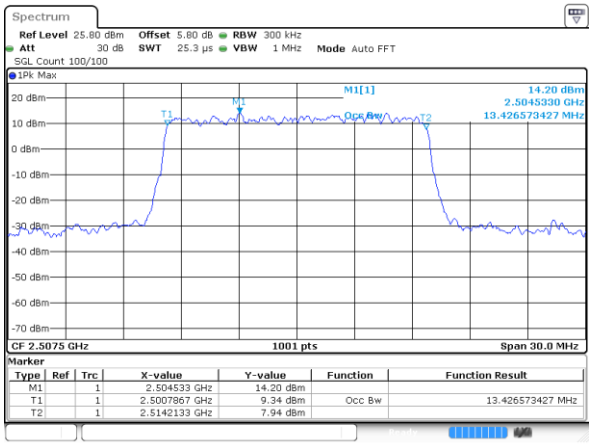


Highest Channel / 10MHz / 16QAM

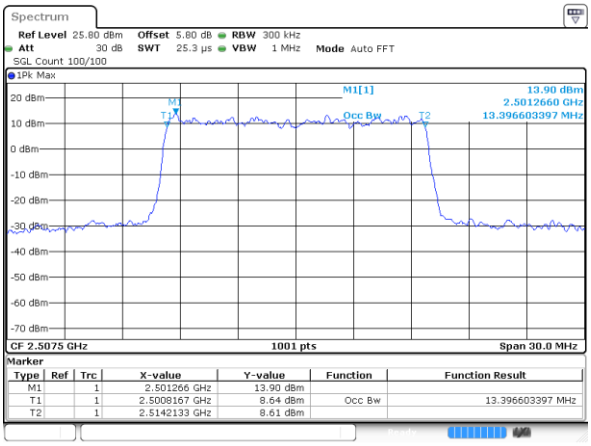


LTE Band 7

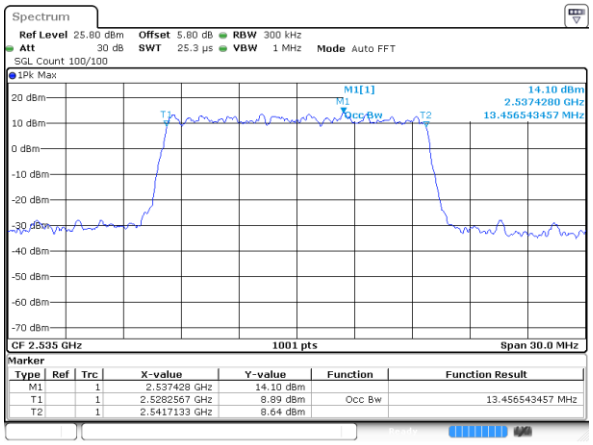
Lowest Channel / 15MHz / QPSK



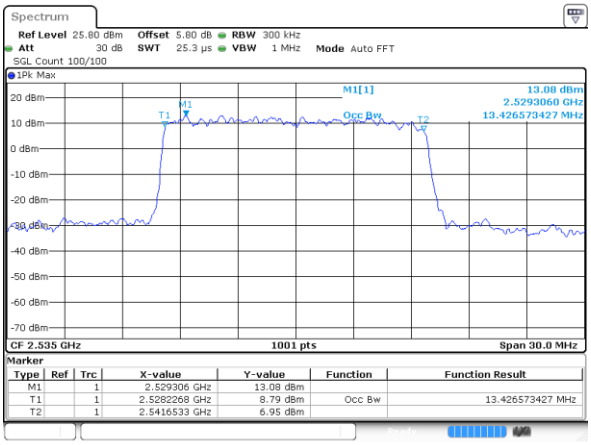
Lowest Channel / 15MHz / 16QAM



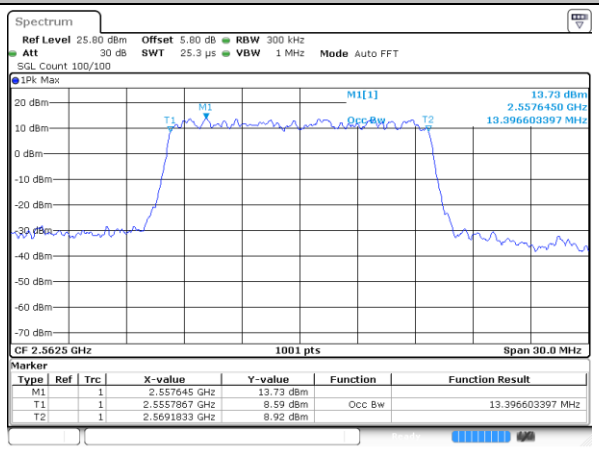
Middle Channel / 15MHz / QPSK



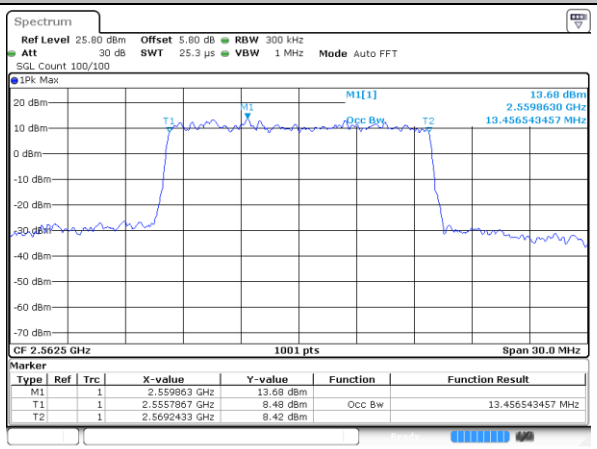
Middle Channel / 15MHz / 16QAM



Highest Channel / 15MHz / QPSK

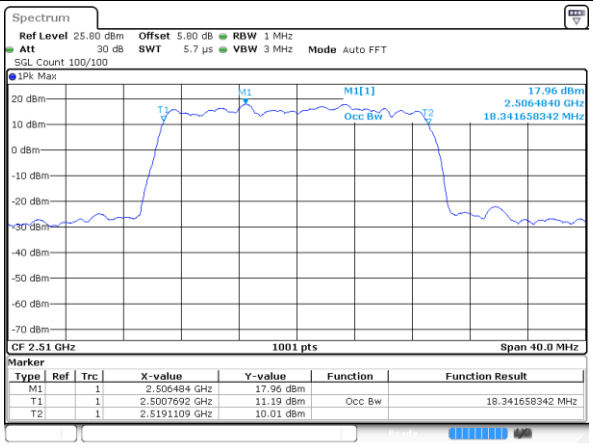


Highest Channel / 15MHz / 16QAM

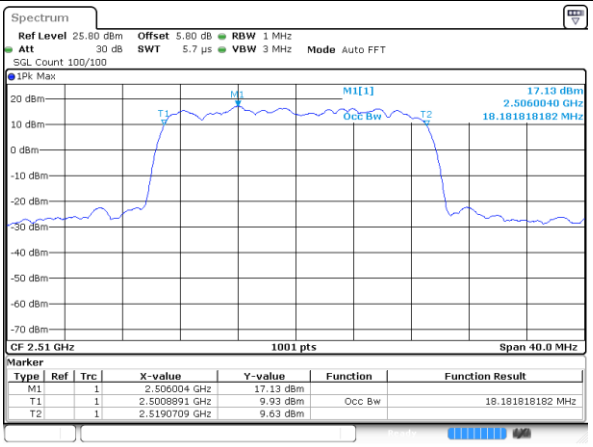


LTE Band 7

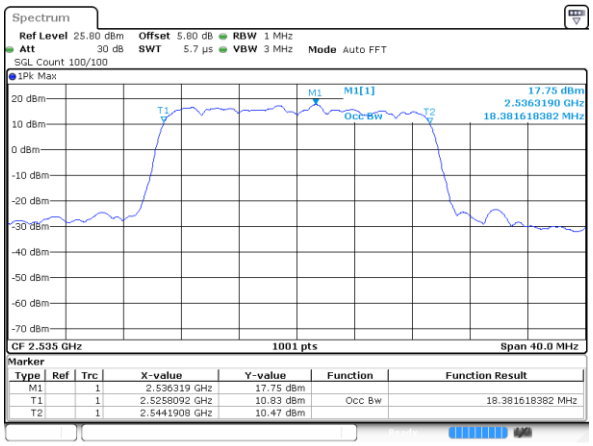
Lowest Channel / 20MHz / QPSK



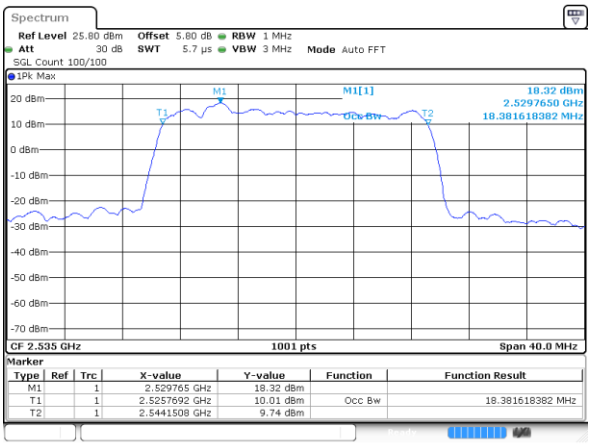
Lowest Channel / 20MHz / 16QAM



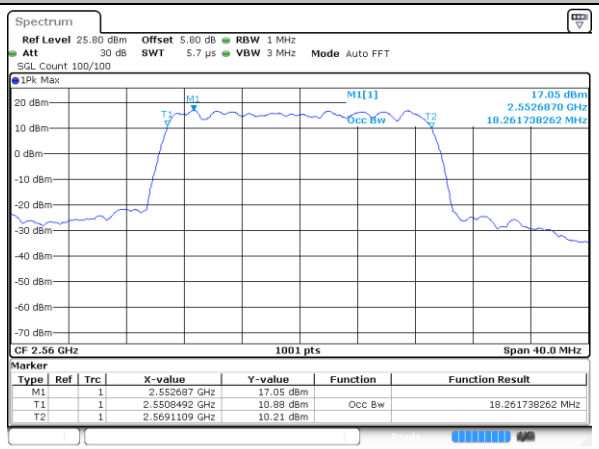
Middle Channel / 20MHz / QPSK



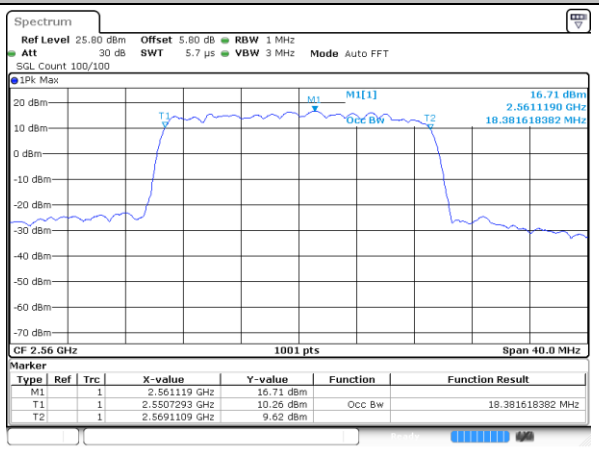
Middle Channel / 20MHz / 16QAM



Highest Channel / 20MHz / QPSK



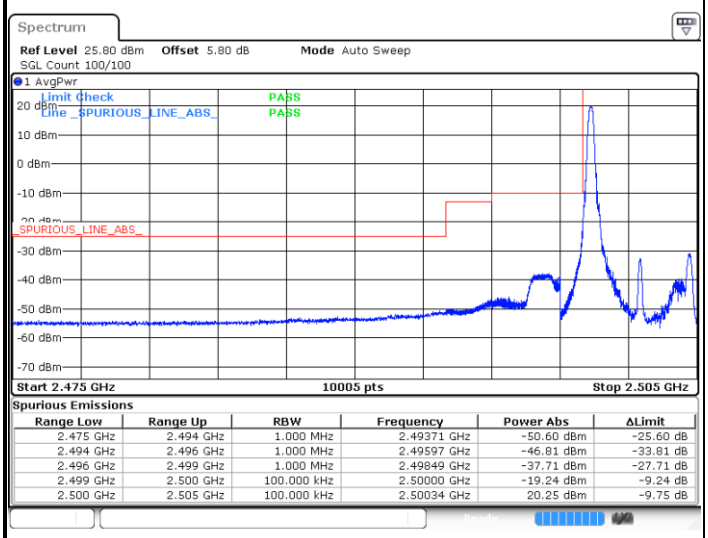
Highest Channel / 20MHz / 16QAM



Conducted Band Edge

LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB

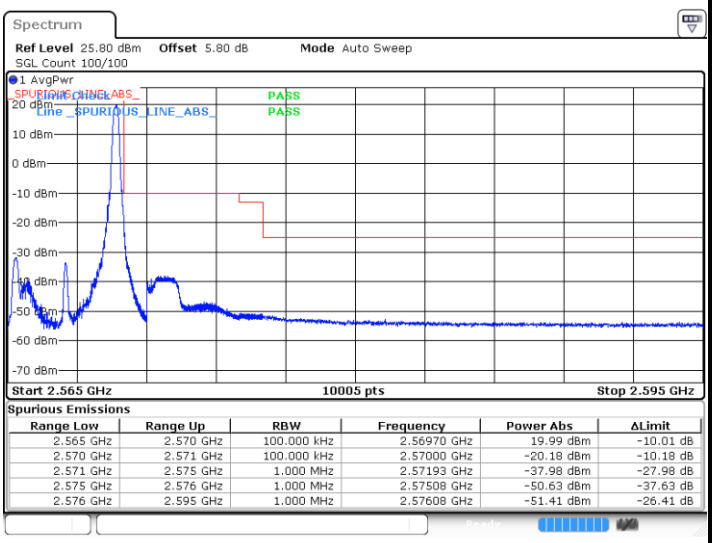


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49371 GHz	-50.60 dBm	-25.60 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49597 GHz	-46.81 dBm	-33.81 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49849 GHz	-37.71 dBm	-27.71 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-19.24 dBm	-9.24 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50034 GHz	20.25 dBm	-9.75 dB

Date: 4.DEC.2019 11:29:25

Highest Band Edge / 1 RB

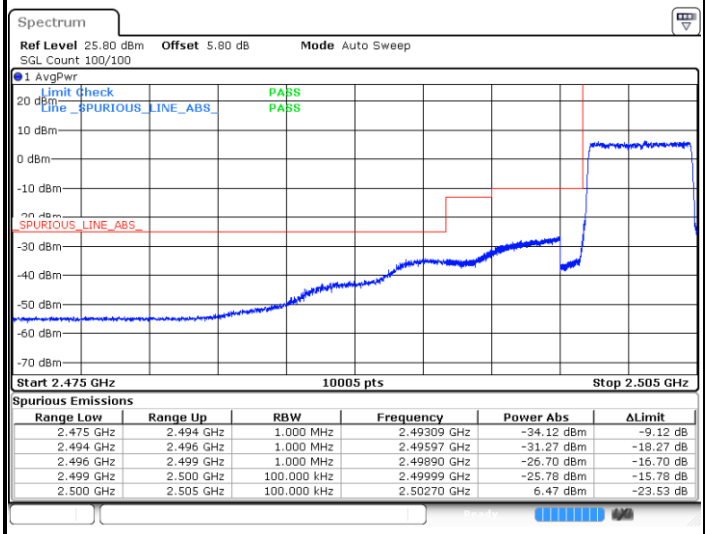


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56970 GHz	19.99 dBm	-10.01 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-20.18 dBm	-10.18 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57193 GHz	-37.98 dBm	-27.98 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57508 GHz	-50.63 dBm	-37.63 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57608 GHz	-51.41 dBm	-26.41 dB

Date: 4.DEC.2019 11:37:29

Lowest Band Edge / Full RB

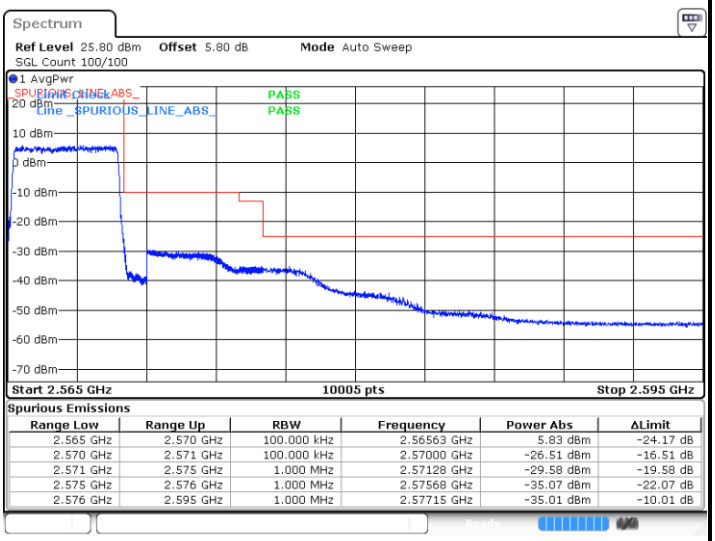


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49309 GHz	-34.12 dBm	-9.12 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49597 GHz	-31.27 dBm	-18.27 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49890 GHz	-26.70 dBm	-16.70 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-25.78 dBm	-15.78 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50270 GHz	6.47 dBm	-23.53 dB

Date: 4.DEC.2019 11:32:52

Highest Band Edge / Full RB



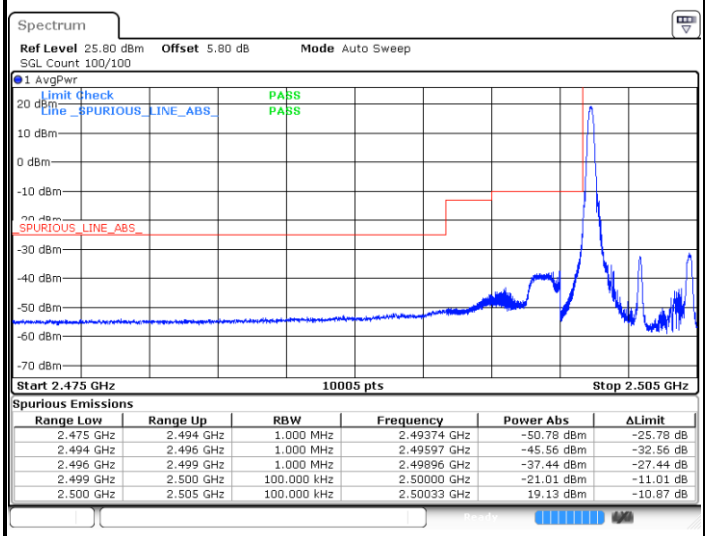
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56563 GHz	5.83 dBm	-24.17 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-26.51 dBm	-16.51 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57128 GHz	-29.58 dBm	-19.58 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57568 GHz	-35.07 dBm	-22.07 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57715 GHz	-35.01 dBm	-10.01 dB

Date: 4.DEC.2019 11:34:01

LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1 RB

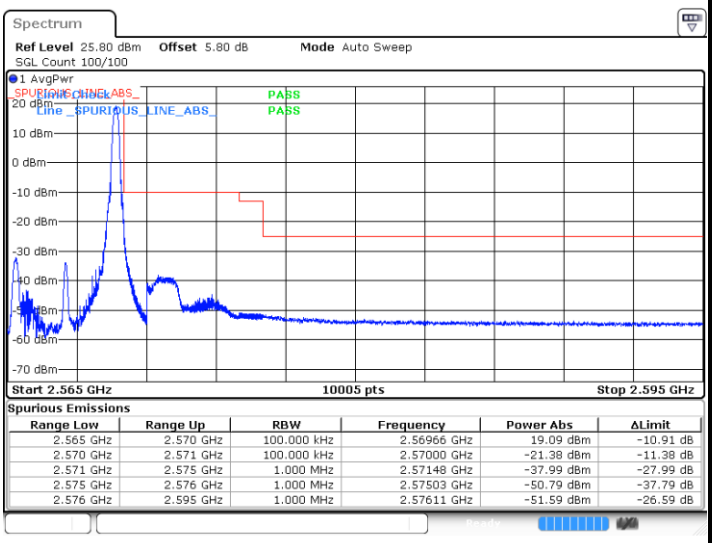


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49374 GHz	-50.78 dBm	-25.78 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49597 GHz	-45.56 dBm	-32.56 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49896 GHz	-37.44 dBm	-27.44 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.50000 GHz	-21.01 dBm	-11.01 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50033 GHz	19.13 dBm	-10.87 dB

Date: 4.DEC.2019 11:30:33

Highest Band Edge / 1 RB

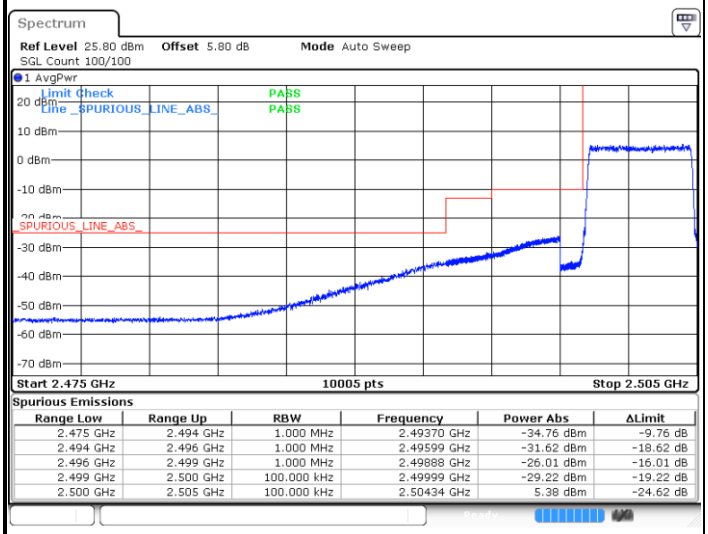


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56966 GHz	19.09 dBm	-10.91 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57000 GHz	-21.38 dBm	-11.38 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57148 GHz	-37.99 dBm	-27.99 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57503 GHz	-50.79 dBm	-37.79 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57611 GHz	-51.59 dBm	-26.59 dB

Date: 4.DEC.2019 11:36:19

Lowest Band Edge / Full RB

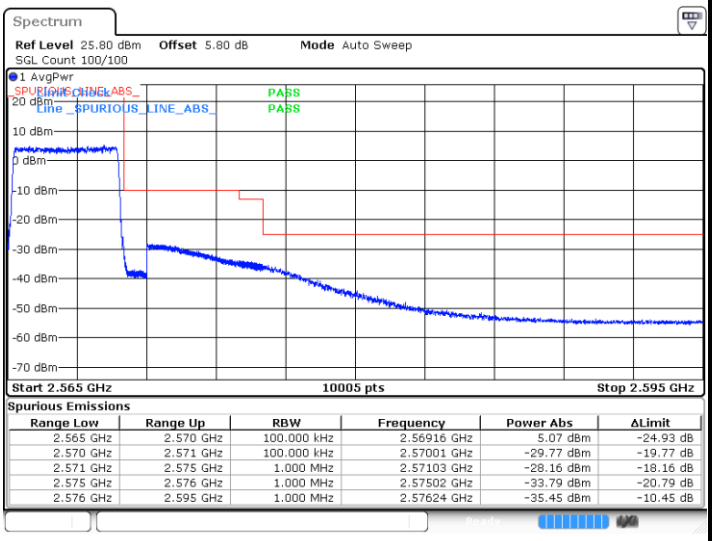


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.494 GHz	1.000 MHz	2.49370 GHz	-34.76 dBm	-9.76 dB
2.494 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-31.62 dBm	-18.62 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49888 GHz	-26.01 dBm	-16.01 dB
2.499 GHz	2.500 GHz	100.000 kHz	2.49999 GHz	-29.22 dBm	-19.22 dB
2.500 GHz	2.505 GHz	100.000 kHz	2.50434 GHz	5.38 dBm	-24.62 dB

Date: 4.DEC.2019 11:31:43

Highest Band Edge / Full RB



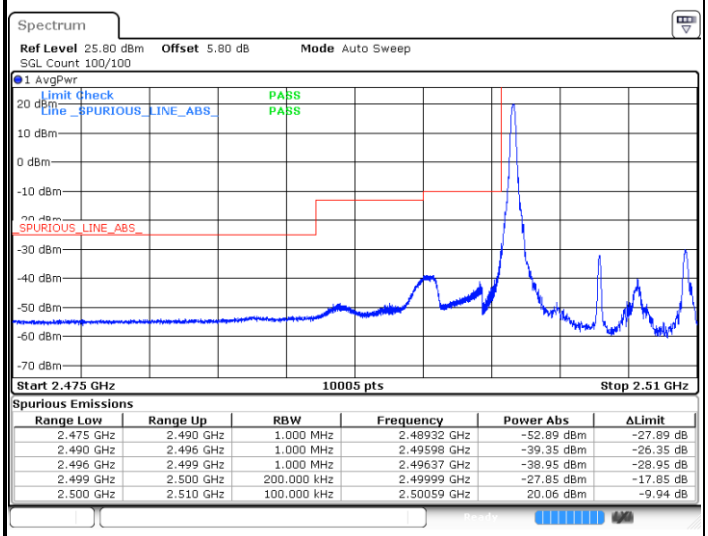
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.565 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	5.07 dBm	-24.93 dB
2.570 GHz	2.571 GHz	100.000 kHz	2.57001 GHz	-29.77 dBm	-19.77 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-28.16 dBm	-18.16 dB
2.575 GHz	2.576 GHz	1.000 MHz	2.57502 GHz	-33.79 dBm	-20.79 dB
2.576 GHz	2.595 GHz	1.000 MHz	2.57624 GHz	-35.45 dBm	-10.45 dB

Date: 4.DEC.2019 11:35:10

LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

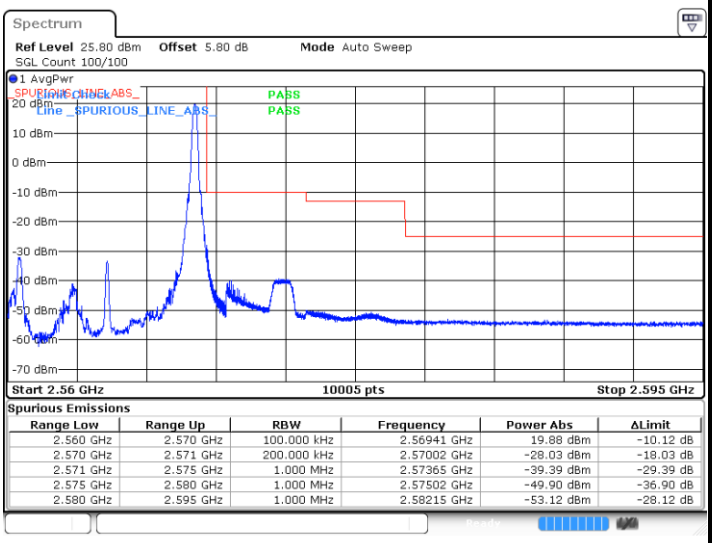


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48932 GHz	-52.89 dBm	-27.89 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-39.35 dBm	-26.35 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49637 GHz	-38.95 dBm	-28.95 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-27.85 dBm	-17.85 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50059 GHz	20.06 dBm	-9.94 dB

Date: 4.DEC.2019 11:45:55

Highest Band Edge / 1 RB

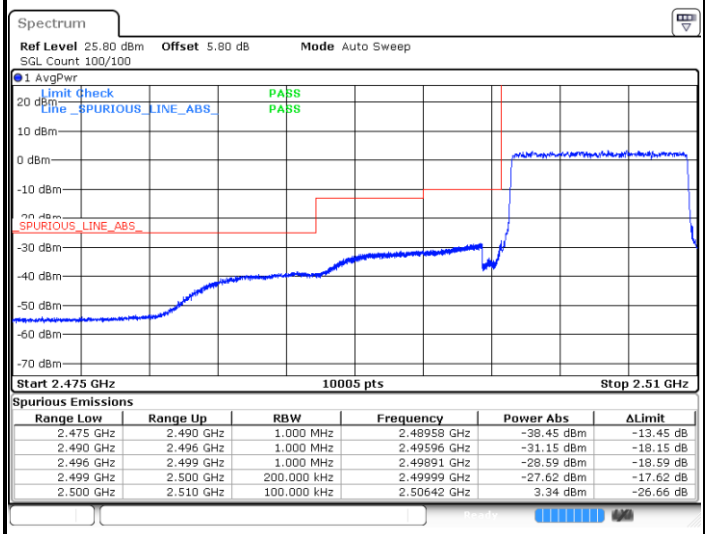


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56941 GHz	19.88 dBm	-10.12 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57002 GHz	-28.03 dBm	-18.03 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57365 GHz	-39.39 dBm	-29.39 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57502 GHz	-49.90 dBm	-36.90 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58215 GHz	-53.12 dBm	-28.12 dB

Date: 4.DEC.2019 11:53:58

Lowest Band Edge / Full RB

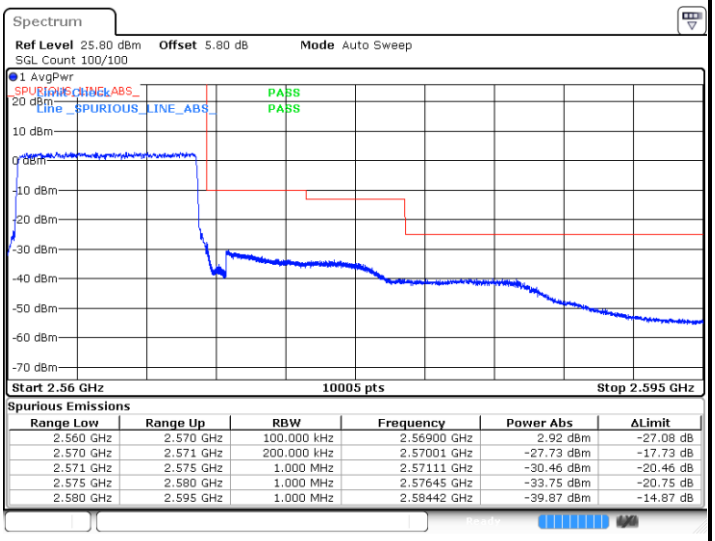


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48958 GHz	-38.45 dBm	-13.45 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49596 GHz	-31.15 dBm	-18.15 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49891 GHz	-28.59 dBm	-18.59 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-27.62 dBm	-17.62 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50642 GHz	3.34 dBm	-26.66 dB

Date: 4.DEC.2019 11:49:21

Highest Band Edge / Full RB



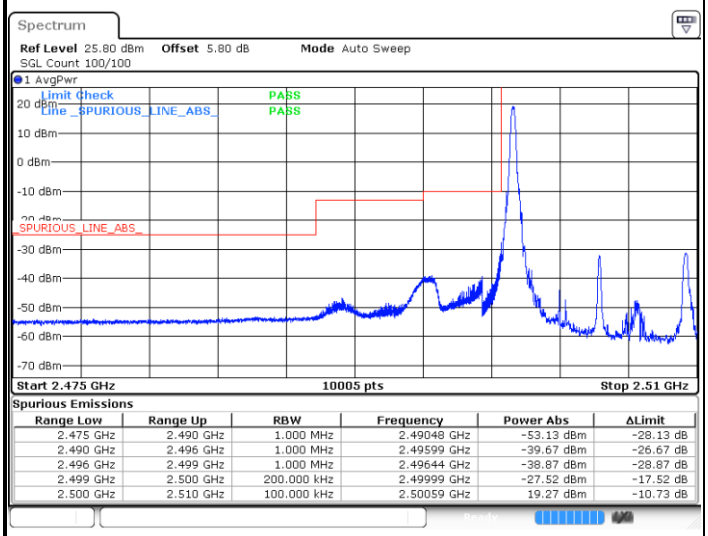
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56900 GHz	2.92 dBm	-27.08 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57001 GHz	-27.73 dBm	-17.73 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57111 GHz	-30.46 dBm	-20.46 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57645 GHz	-33.75 dBm	-20.75 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58442 GHz	-39.87 dBm	-14.87 dB

Date: 4.DEC.2019 11:50:31

LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

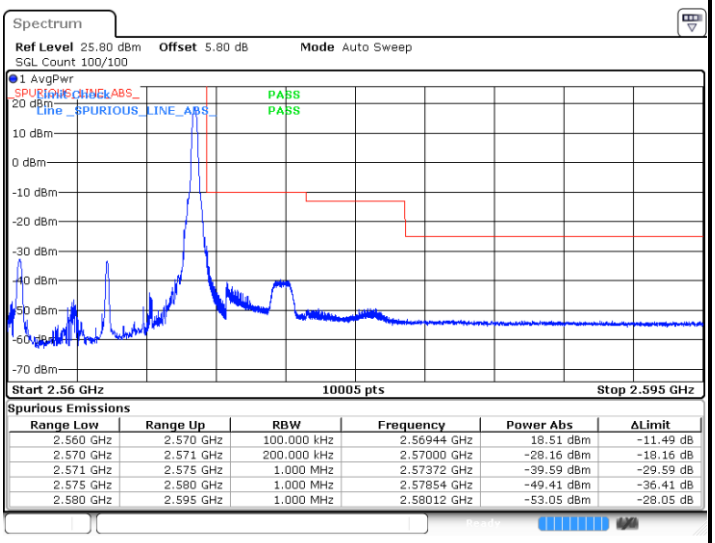


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49048 GHz	-53.13 dBm	-28.13 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49599 GHz	-39.67 dBm	-26.67 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49644 GHz	-38.87 dBm	-28.87 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49999 GHz	-27.52 dBm	-17.52 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50059 GHz	19.27 dBm	-10.73 dB

Date: 4.DEC.2019 11:47:04

Highest Band Edge / 1 RB

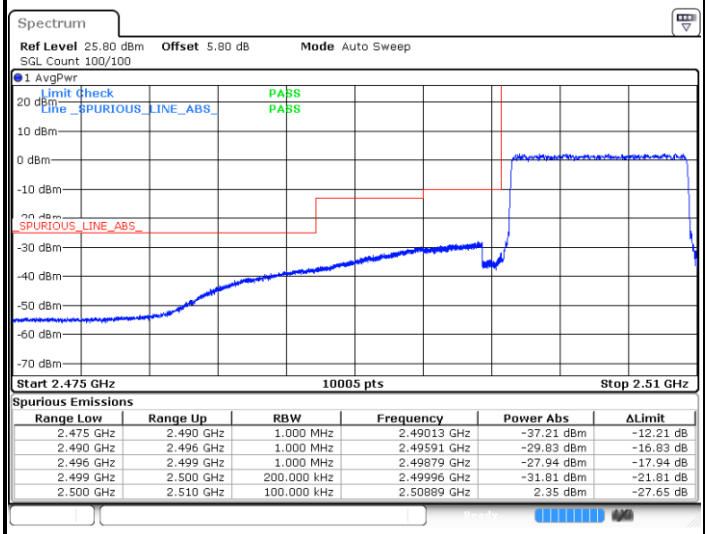


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56944 GHz	18.51 dBm	-11.49 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57000 GHz	-28.16 dBm	-18.16 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57372 GHz	-39.59 dBm	-29.59 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57854 GHz	-49.41 dBm	-36.41 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58012 GHz	-53.05 dBm	-28.05 dB

Date: 4.DEC.2019 11:52:49

Lowest Band Edge / Full RB

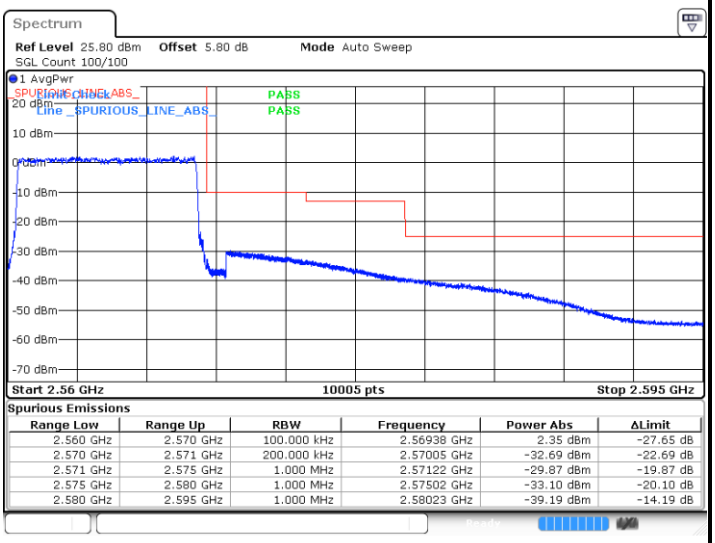


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49013 GHz	-37.21 dBm	-12.21 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49591 GHz	-29.83 dBm	-16.83 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49879 GHz	-27.94 dBm	-17.94 dB
2.499 GHz	2.500 GHz	200.000 kHz	2.49996 GHz	-31.81 dBm	-21.81 dB
2.500 GHz	2.510 GHz	100.000 kHz	2.50889 GHz	2.35 dBm	-27.65 dB

Date: 4.DEC.2019 11:48:13

Highest Band Edge / Full RB



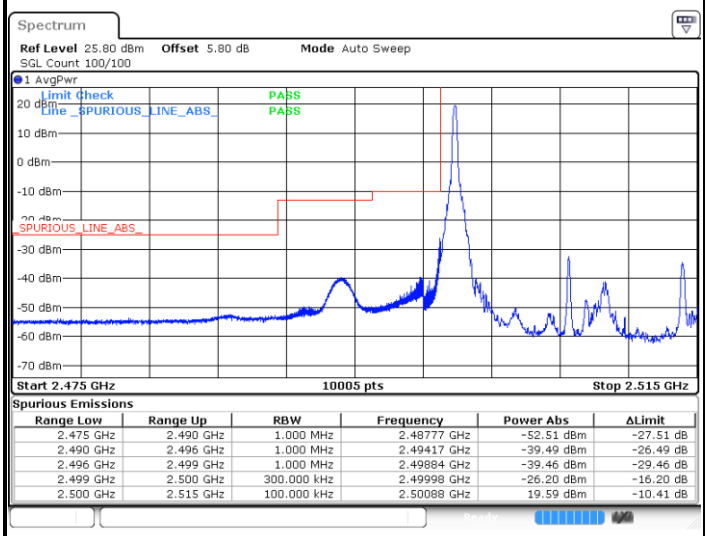
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.560 GHz	2.570 GHz	100.000 kHz	2.56938 GHz	2.35 dBm	-27.65 dB
2.570 GHz	2.571 GHz	200.000 kHz	2.57005 GHz	-32.69 dBm	-22.69 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57122 GHz	-29.87 dBm	-19.87 dB
2.575 GHz	2.580 GHz	1.000 MHz	2.57502 GHz	-33.10 dBm	-20.10 dB
2.580 GHz	2.595 GHz	1.000 MHz	2.58023 GHz	-39.19 dBm	-14.19 dB

Date: 4.DEC.2019 11:51:40

LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB

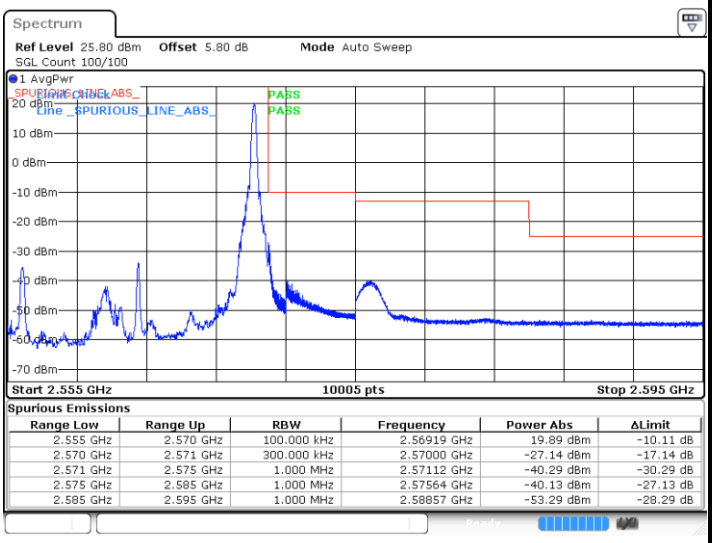


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-52.51 dBm	-27.51 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49417 GHz	-39.49 dBm	-26.49 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49884 GHz	-39.46 dBm	-29.46 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-26.20 dBm	-16.20 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50088 GHz	19.59 dBm	-10.41 dB

Date: 4.DEC.2019 14:45:27

Highest Band Edge / 1 RB

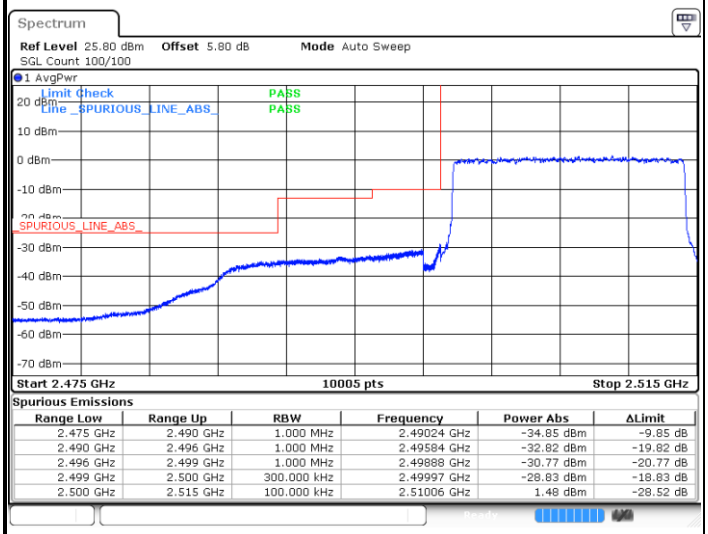


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56919 GHz	19.89 dBm	-10.11 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-27.14 dBm	-17.14 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-40.29 dBm	-30.29 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57564 GHz	-40.13 dBm	-27.13 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58857 GHz	-53.29 dBm	-28.29 dB

Date: 4.DEC.2019 14:53:31

Lowest Band Edge / Full RB

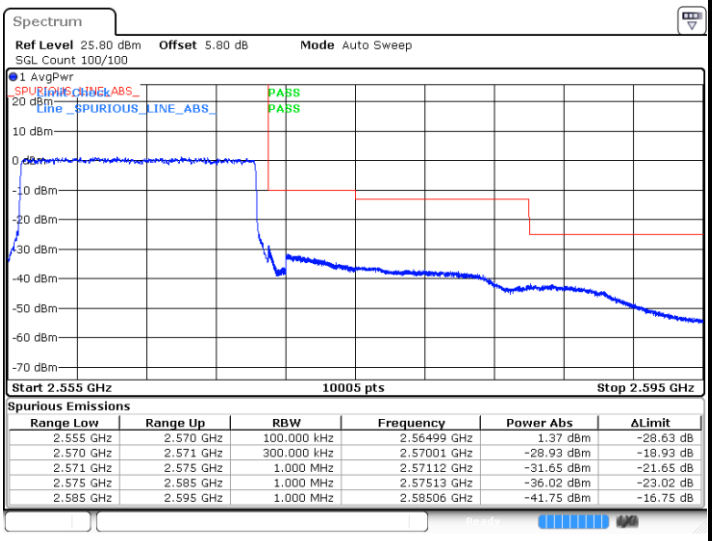


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49024 GHz	-34.85 dBm	-9.85 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49584 GHz	-32.82 dBm	-19.82 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49888 GHz	-30.77 dBm	-20.77 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49997 GHz	-28.83 dBm	-18.83 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.51006 GHz	1.48 dBm	-28.52 dB

Date: 4.DEC.2019 14:48:54

Highest Band Edge / Full RB



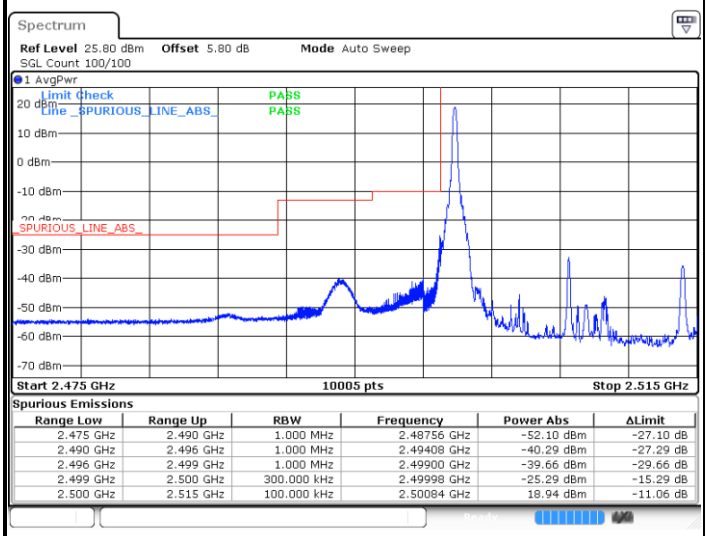
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56499 GHz	1.37 dBm	-28.63 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57001 GHz	-28.93 dBm	-18.93 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57112 GHz	-31.65 dBm	-21.65 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57513 GHz	-36.02 dBm	-23.02 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58506 GHz	-41.75 dBm	-16.75 dB

Date: 4.DEC.2019 14:50:03

LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB

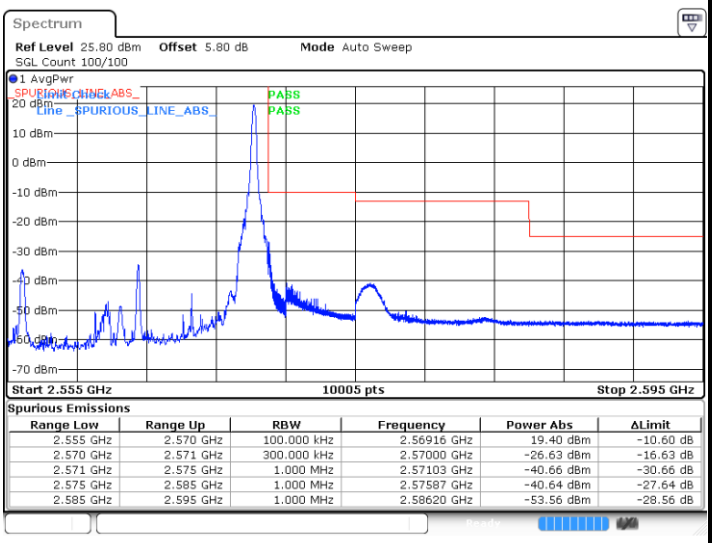


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48756 GHz	-52.10 dBm	-27.10 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49408 GHz	-40.29 dBm	-27.29 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49900 GHz	-39.66 dBm	-29.66 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49998 GHz	-25.29 dBm	-15.29 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50084 GHz	18.94 dBm	-11.06 dB

Date: 4.DEC.2019 14:46:36

Highest Band Edge / 1 RB

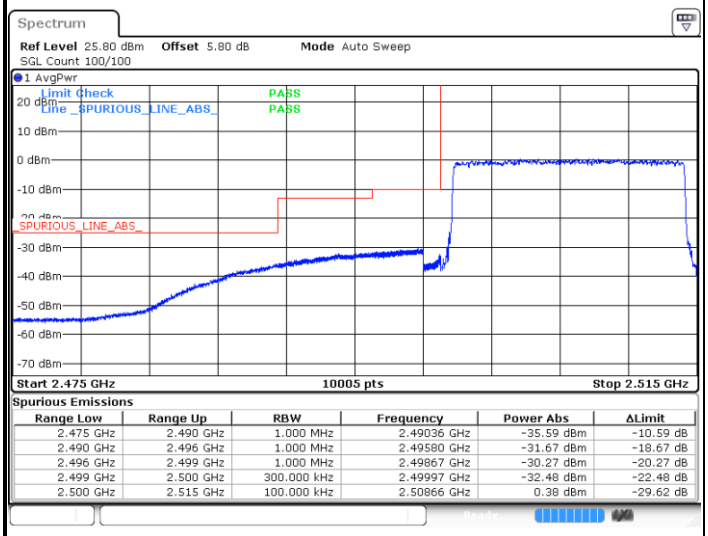


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56916 GHz	19.40 dBm	-10.60 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-26.63 dBm	-16.63 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57103 GHz	-40.66 dBm	-30.66 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57587 GHz	-40.64 dBm	-27.64 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58620 GHz	-53.56 dBm	-28.56 dB

Date: 4.DEC.2019 14:52:21

Lowest Band Edge / Full RB

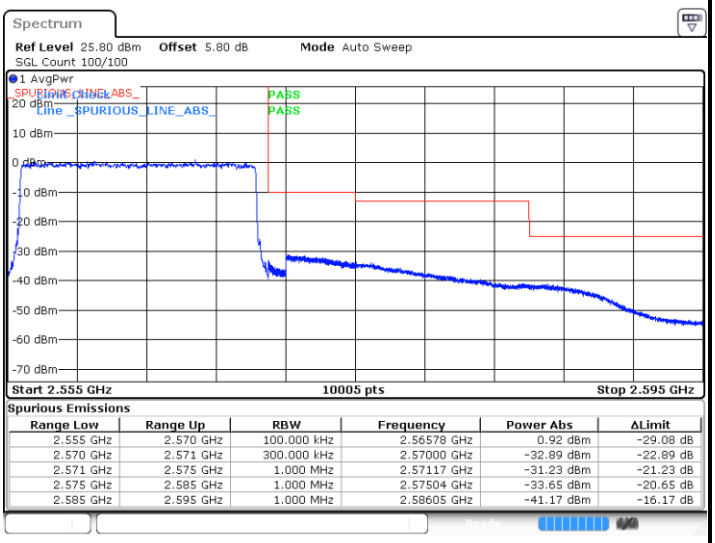


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49036 GHz	-35.59 dBm	-10.59 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49580 GHz	-31.67 dBm	-18.67 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49867 GHz	-30.27 dBm	-20.27 dB
2.499 GHz	2.500 GHz	300.000 kHz	2.49997 GHz	-32.48 dBm	-22.48 dB
2.500 GHz	2.515 GHz	100.000 kHz	2.50866 GHz	0.38 dBm	-29.62 dB

Date: 4.DEC.2019 14:47:45

Highest Band Edge / Full RB



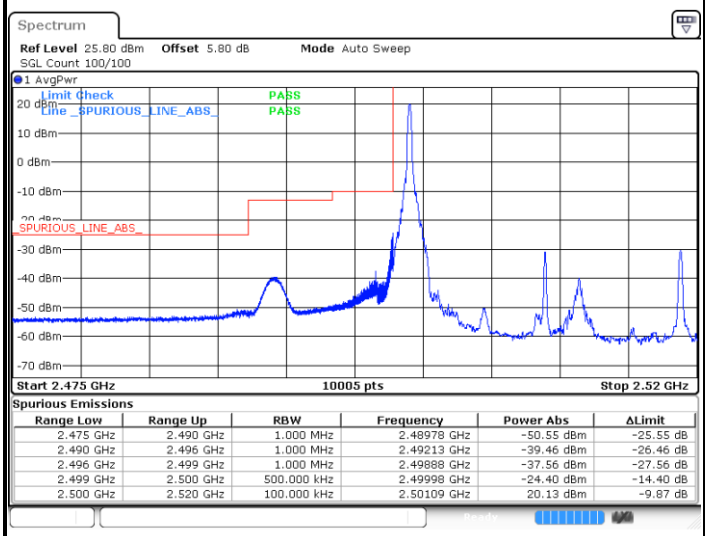
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.555 GHz	2.570 GHz	100.000 kHz	2.56578 GHz	0.92 dBm	-29.08 dB
2.570 GHz	2.571 GHz	300.000 kHz	2.57000 GHz	-32.89 dBm	-22.89 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57117 GHz	-31.23 dBm	-21.23 dB
2.575 GHz	2.585 GHz	1.000 MHz	2.57504 GHz	-33.65 dBm	-20.65 dB
2.585 GHz	2.595 GHz	1.000 MHz	2.58605 GHz	-41.17 dBm	-16.17 dB

Date: 4.DEC.2019 14:51:12

LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

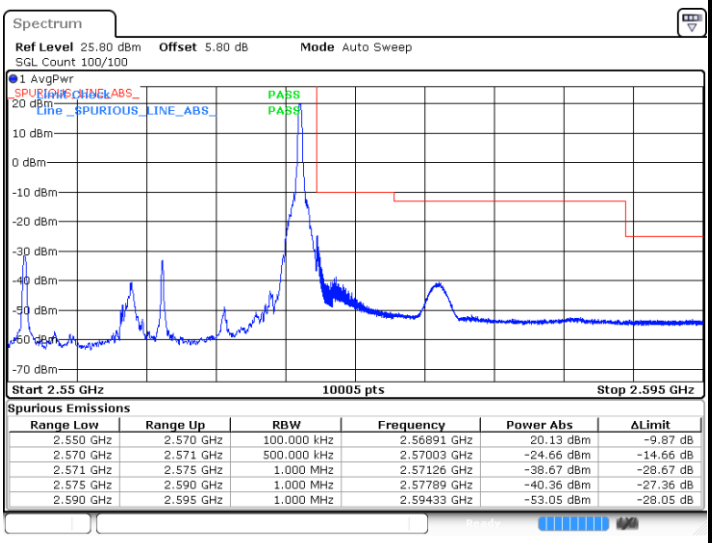


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.48978 GHz	-50.55 dBm	-25.55 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49213 GHz	-39.46 dBm	-26.46 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49888 GHz	-37.56 dBm	-27.56 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49998 GHz	-24.40 dBm	-14.40 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50109 GHz	20.13 dBm	-9.87 dB

Date: 4.DEC.2019 15:15:31

Highest Band Edge / 1 RB

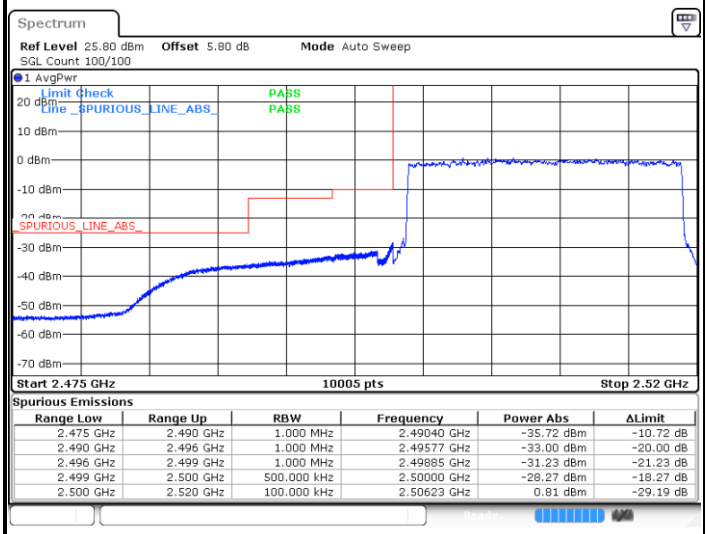


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56891 GHz	20.13 dBm	-9.87 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57003 GHz	-24.66 dBm	-14.66 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57126 GHz	-38.67 dBm	-28.67 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57789 GHz	-40.36 dBm	-27.36 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59433 GHz	-53.05 dBm	-28.05 dB

Date: 4.DEC.2019 15:23:27

Lowest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49040 GHz	-35.72 dBm	-10.72 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49577 GHz	-33.00 dBm	-20.00 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49885 GHz	-31.23 dBm	-21.23 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.50000 GHz	-28.27 dBm	-18.27 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50623 GHz	0.81 dBm	-29.19 dB

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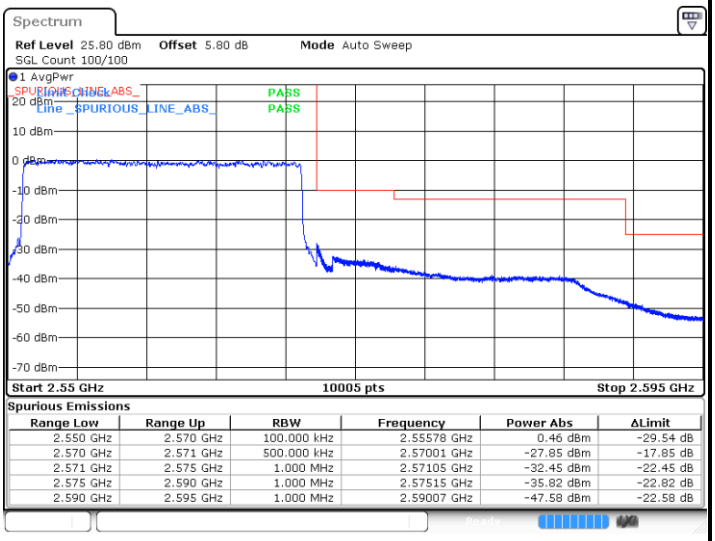
Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.55578 GHz	0.46 dBm	-29.54 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-27.85 dBm	-17.85 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57105 GHz	-32.45 dBm	-22.45 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57515 GHz	-35.82 dBm	-22.82 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59007 GHz	-47.58 dBm	-22.58 dB

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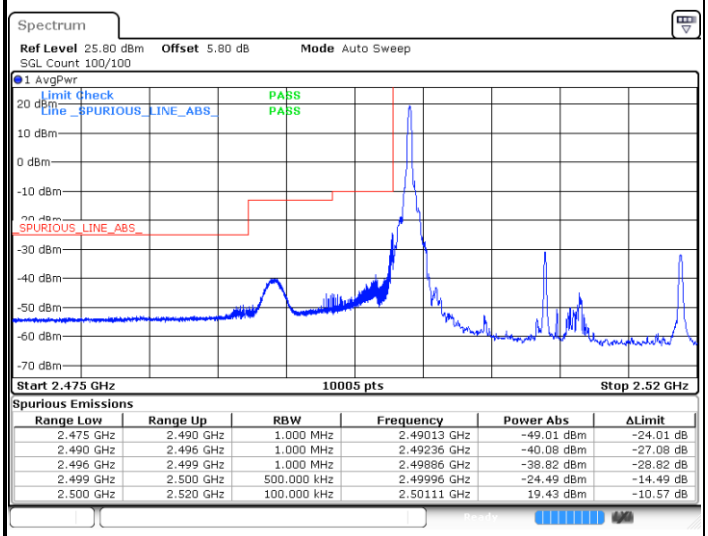
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge /1 RB

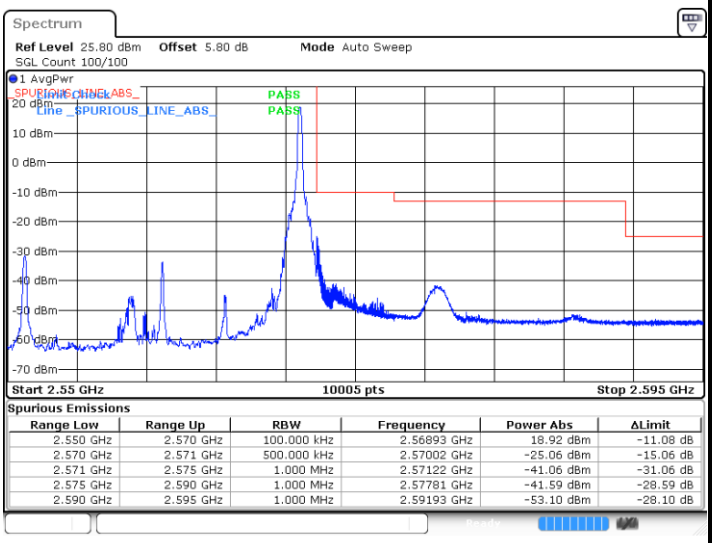


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49013 GHz	-49.01 dBm	-24.01 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49236 GHz	-40.08 dBm	-27.08 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49886 GHz	-38.82 dBm	-28.82 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49996 GHz	-24.49 dBm	-14.49 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.50111 GHz	19.43 dBm	-10.57 dB

Date: 4.DEC.2019 15:16:39

Highest Band Edge / 1RB

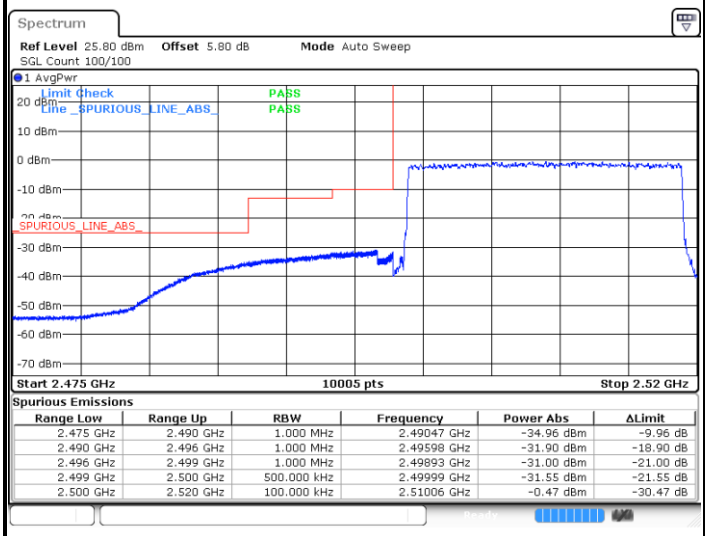


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56893 GHz	18.92 dBm	-11.08 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57002 GHz	-25.06 dBm	-15.06 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57122 GHz	-41.06 dBm	-31.06 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57781 GHz	-41.59 dBm	-28.59 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59193 GHz	-53.10 dBm	-28.10 dB

Date: 4.DEC.2019 15:22:19

Lowest Band Edge / Full RB

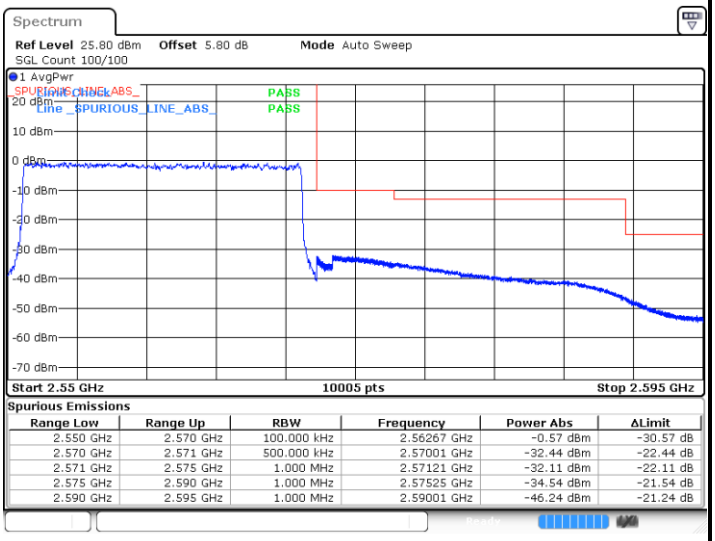


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.475 GHz	2.490 GHz	1.000 MHz	2.49047 GHz	-34.96 dBm	-9.96 dB
2.490 GHz	2.496 GHz	1.000 MHz	2.49598 GHz	-31.90 dBm	-18.90 dB
2.496 GHz	2.499 GHz	1.000 MHz	2.49893 GHz	-31.00 dBm	-21.00 dB
2.499 GHz	2.500 GHz	500.000 kHz	2.49999 GHz	-31.55 dBm	-21.55 dB
2.500 GHz	2.520 GHz	100.000 kHz	2.51006 GHz	-0.47 dBm	-30.47 dB

Date: 4.DEC.2019 15:17:47

Highest Band Edge / Full RB



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.550 GHz	2.570 GHz	100.000 kHz	2.56267 GHz	-0.57 dBm	-30.57 dB
2.570 GHz	2.571 GHz	500.000 kHz	2.57001 GHz	-32.44 dBm	-22.44 dB
2.571 GHz	2.575 GHz	1.000 MHz	2.57121 GHz	-32.11 dBm	-22.11 dB
2.575 GHz	2.590 GHz	1.000 MHz	2.57525 GHz	-34.54 dBm	-21.54 dB
2.590 GHz	2.595 GHz	1.000 MHz	2.59001 GHz	-46.24 dBm	-21.24 dB

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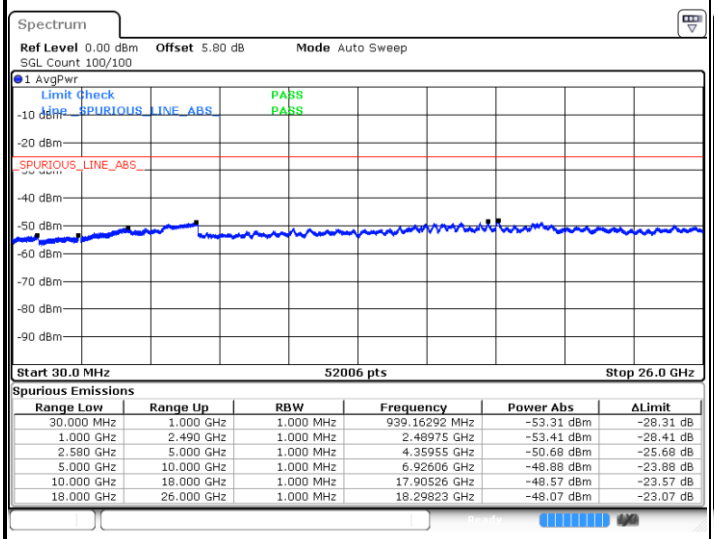
Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	939.16292 MHz	-53.31 dBm	-28.31 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48975 GHz	-53.41 dBm	-28.41 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.35955 GHz	-50.68 dBm	-25.68 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.92606 GHz	-48.88 dBm	-23.88 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90526 GHz	-48.57 dBm	-23.57 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.29823 GHz	-48.07 dBm	-23.07 dB

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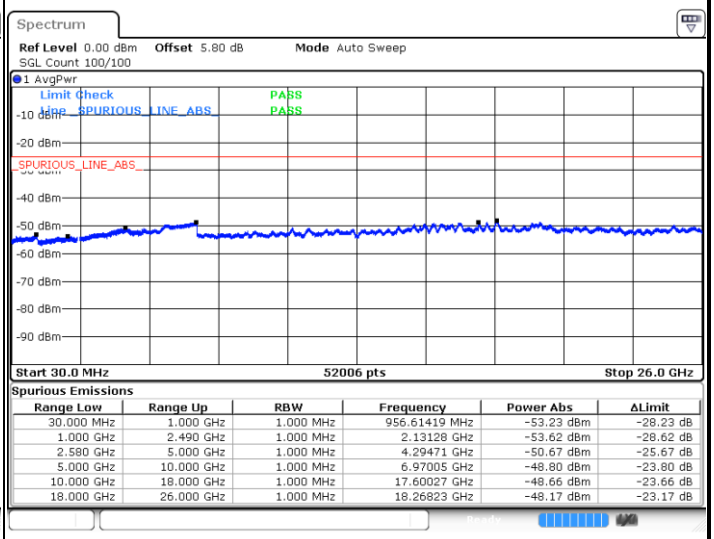
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	956.61419 MHz	-53.23 dBm	-28.23 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.13128 GHz	-53.62 dBm	-28.62 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.29471 GHz	-50.67 dBm	-25.67 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.97005 GHz	-48.80 dBm	-23.80 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60027 GHz	-48.66 dBm	-23.66 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.26823 GHz	-48.17 dBm	-23.17 dB

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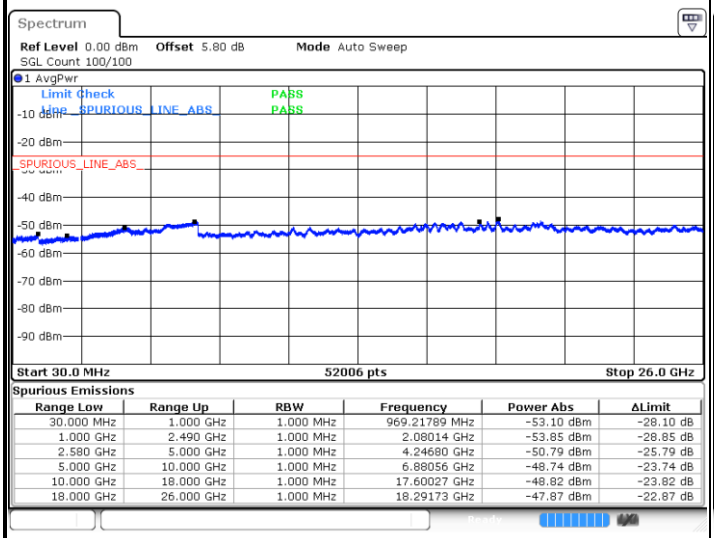
Middle Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	969.21789 MHz	-53.10 dBm	-28.10 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.08014 GHz	-53.85 dBm	-28.85 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.24680 GHz	-50.79 dBm	-25.79 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88056 GHz	-48.74 dBm	-23.74 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60027 GHz	-48.82 dBm	-23.82 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.29173 GHz	-47.87 dBm	-22.87 dB

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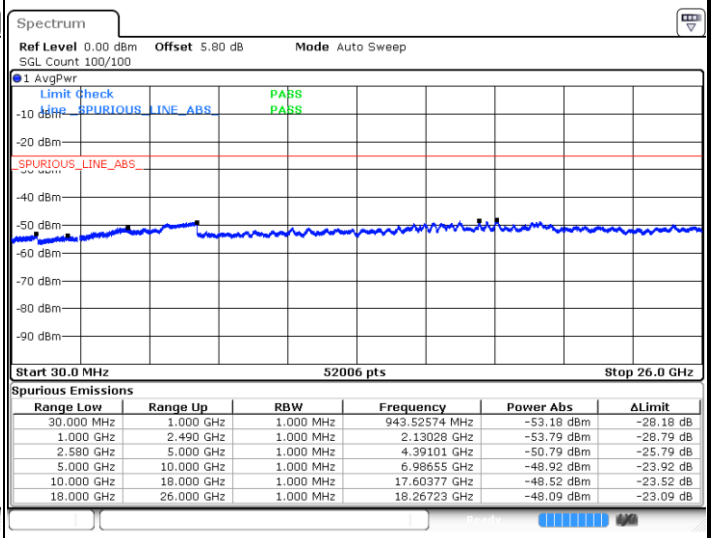
Middle Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	943.52574 MHz	-53.18 dBm	-28.18 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.13028 GHz	-53.79 dBm	-28.79 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.39101 GHz	-50.79 dBm	-25.79 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.98655 GHz	-48.92 dBm	-23.92 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60377 GHz	-48.52 dBm	-23.52 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.26723 GHz	-48.09 dBm	-23.09 dB

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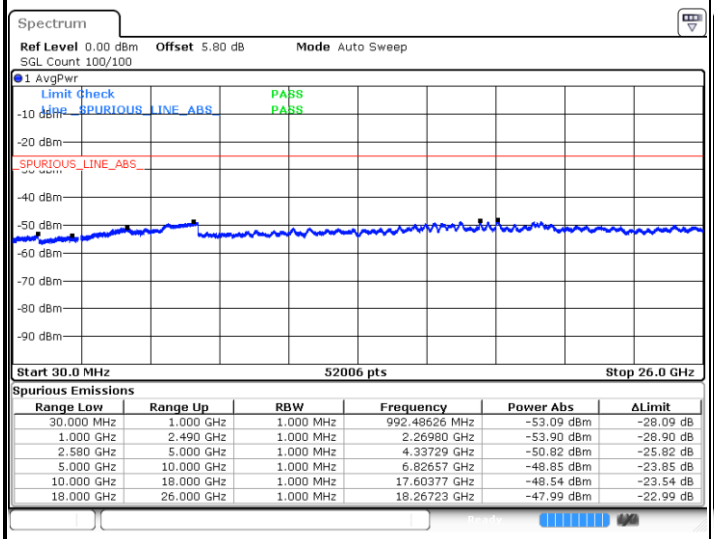
LTE Band 7 / 5MHz

Highest Channel / QPSK

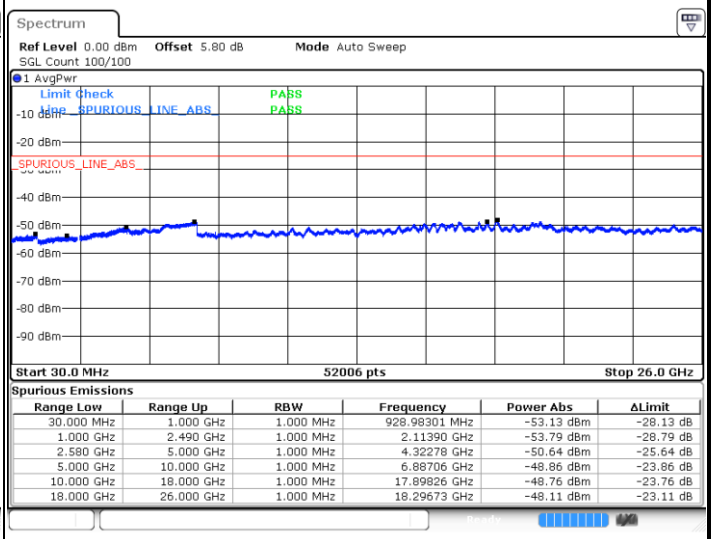


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	992.48626 MHz	-53.09 dBm	-28.09 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.26980 GHz	-53.90 dBm	-28.90 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.33729 GHz	-50.82 dBm	-25.82 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.82657 GHz	-48.85 dBm	-23.85 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.60377 GHz	-48.54 dBm	-23.54 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.26723 GHz	-47.99 dBm	-22.99 dB

Date: 4.DEC.2019 11:41:54

Highest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.98301 MHz	-53.13 dBm	-28.13 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.11390 GHz	-53.79 dBm	-28.79 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.32278 GHz	-50.64 dBm	-25.64 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.88706 GHz	-48.86 dBm	-23.86 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.89826 GHz	-48.76 dBm	-23.76 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.29673 GHz	-48.11 dBm	-23.11 dB

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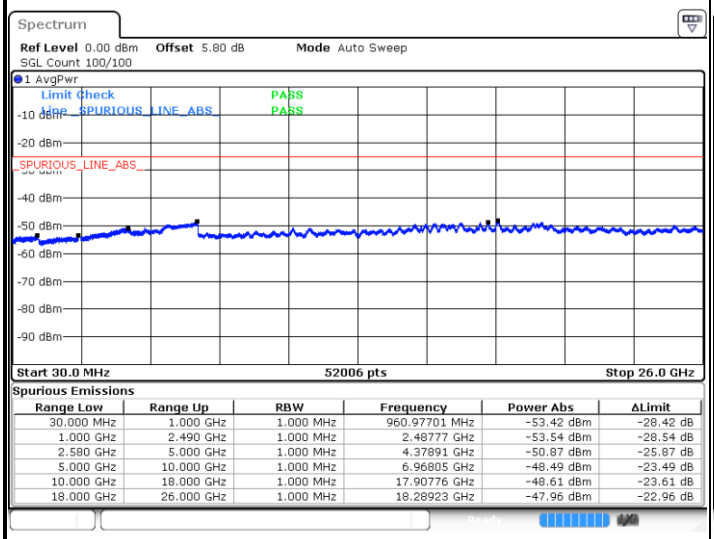
LTE Band 7 / 10MHz

Lowest Channel / QPSK



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	960.97701 MHz	-53.42 dBm	-28.42 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48777 GHz	-53.54 dBm	-28.54 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.37891 GHz	-50.87 dBm	-25.87 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.96805 GHz	-48.49 dBm	-23.49 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90776 GHz	-48.61 dBm	-23.61 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.28923 GHz	-47.96 dBm	-22.96 dB

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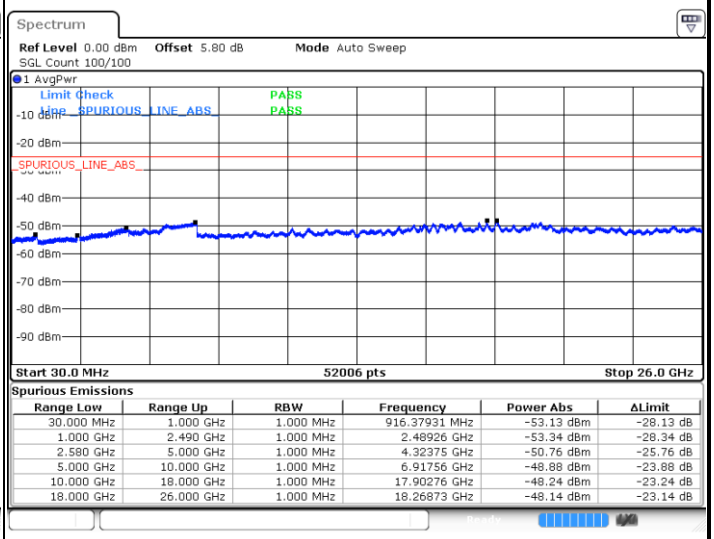
Lowest Channel / 16QAM



Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	916.37931 MHz	-53.13 dBm	-28.13 dB
1.000 GHz	2.490 GHz	1.000 MHz	2.48926 GHz	-53.34 dBm	-28.34 dB
2.580 GHz	5.000 GHz	1.000 MHz	4.32375 GHz	-50.76 dBm	-25.76 dB
5.000 GHz	10.000 GHz	1.000 MHz	6.91756 GHz	-48.88 dBm	-23.88 dB
10.000 GHz	18.000 GHz	1.000 MHz	17.90276 GHz	-48.24 dBm	-23.24 dB
18.000 GHz	26.000 GHz	1.000 MHz	18.26873 GHz	-48.14 dBm	-23.14 dB

Date: 4.DEC.2019 11:55:45