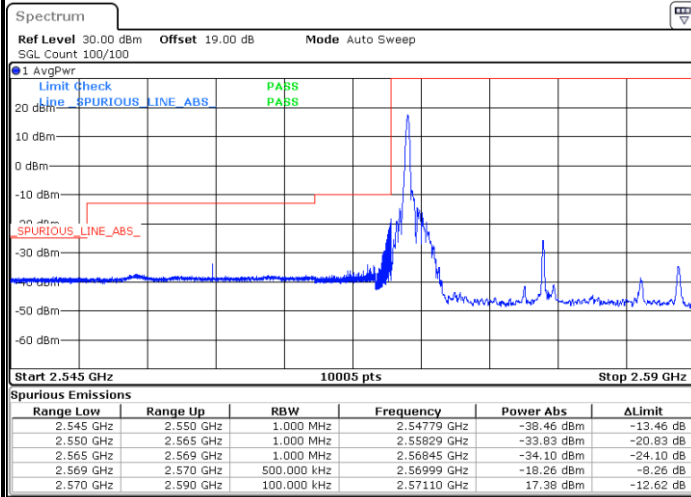




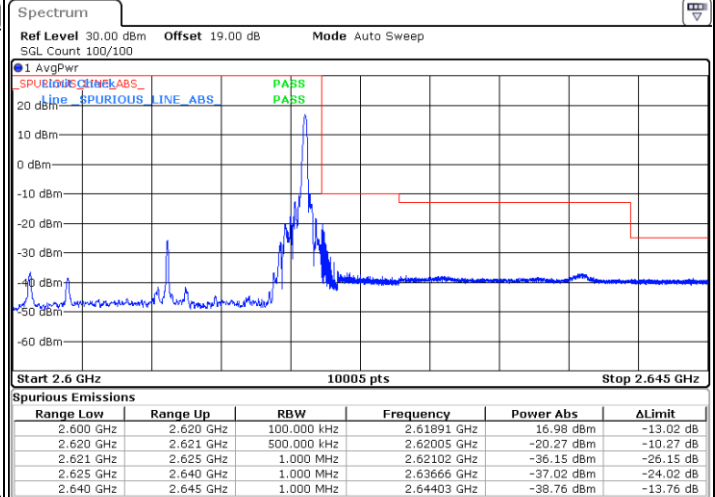
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1RB



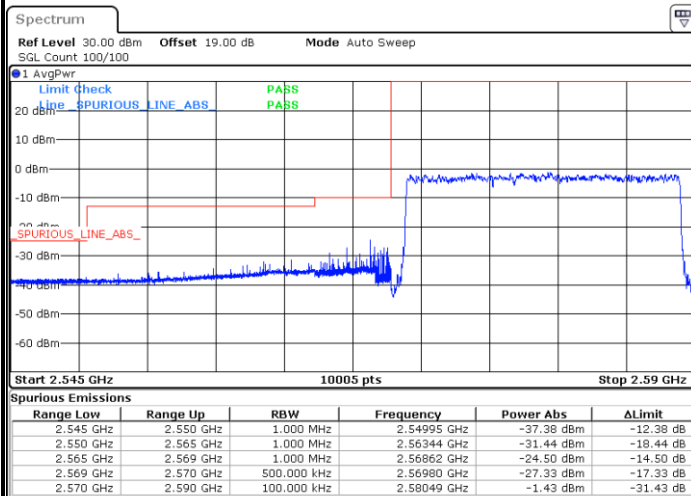
Date: 28.OCT.2023 01:44:54

Highest Band Edge / 1 RB



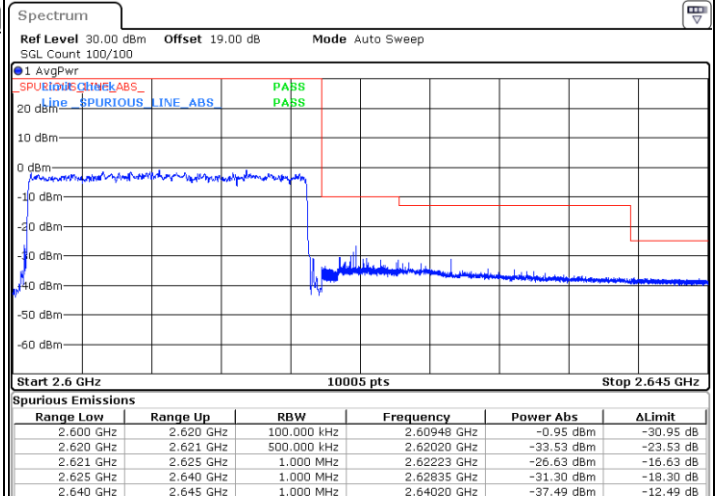
Date: 28.OCT.2023 01:52:45

Lowest Band Edge / Full RB



Date: 28.OCT.2023 01:46:24

Highest Band Edge / Full RB



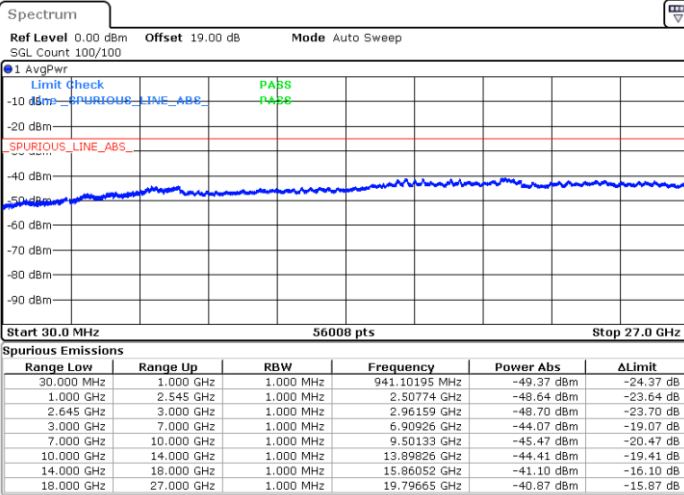
Date: 28.OCT.2023 01:54:18



Conducted Spurious Emission

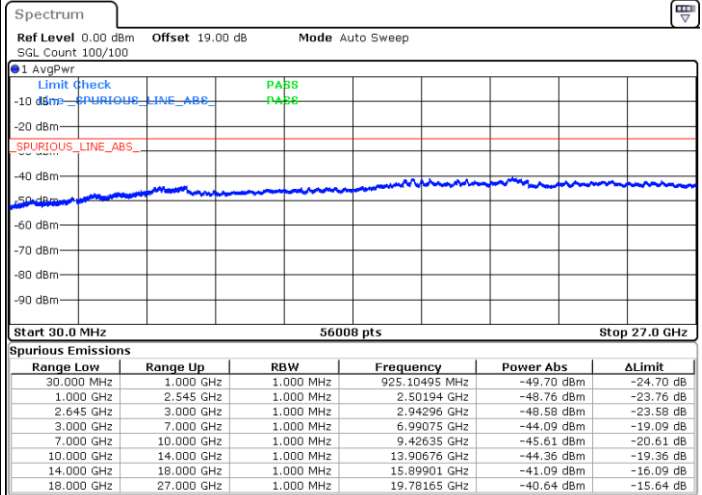
LTE Band 38 / 5MHz

Lowest Channel / QPSK



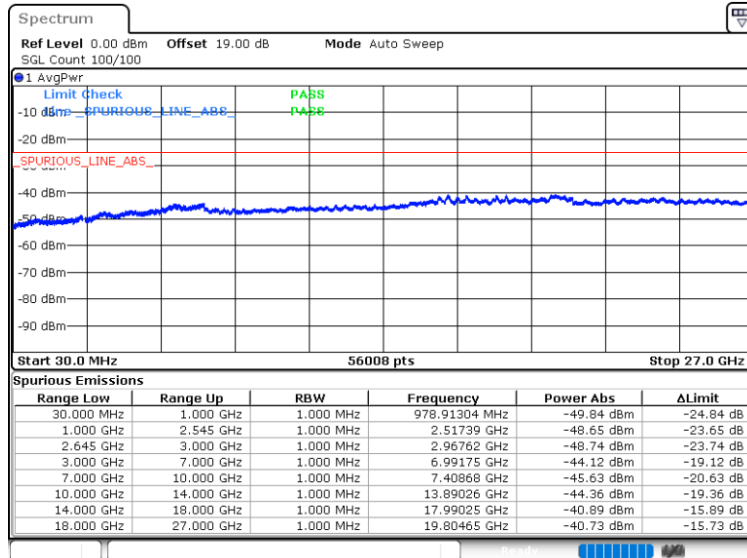
Date: 8.NOV.2023 09:52:54

Middle Channel / QPSK



Date: 8.NOV.2023 09:54:51

Highest Channel / QPSK

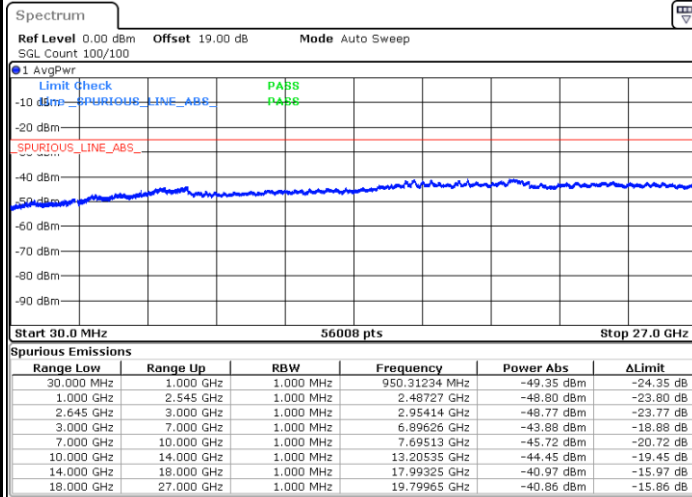


Date: 8.NOV.2023 09:55:59



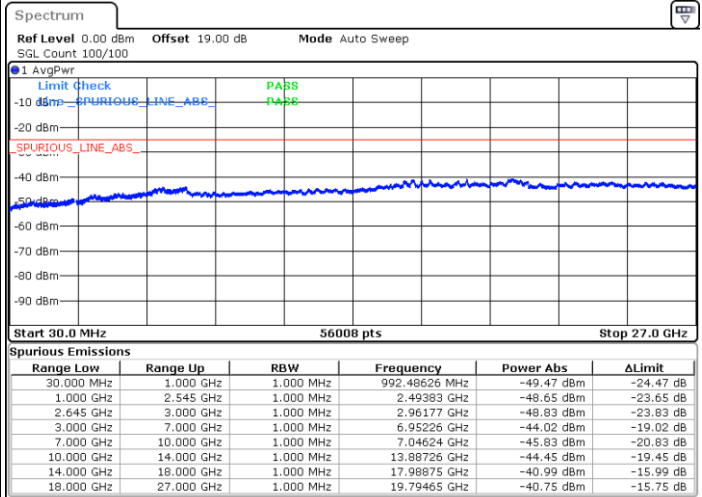
LTE Band 38 / 10MHz

Lowest Channel / QPSK



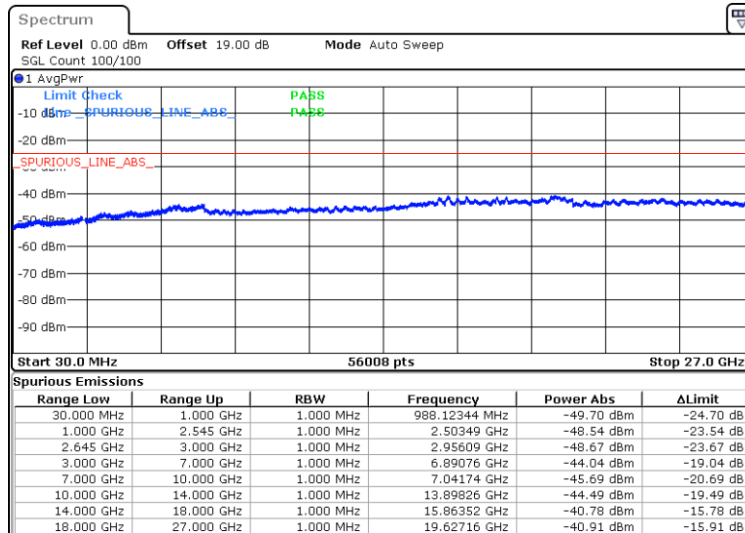
Date: 8.NOV.2023 10:06:07

Middle Channel / QPSK



Date: 8.NOV.2023 10:07:14

Highest Channel / QPSK



Date: 8.NOV.2023 10:08:20

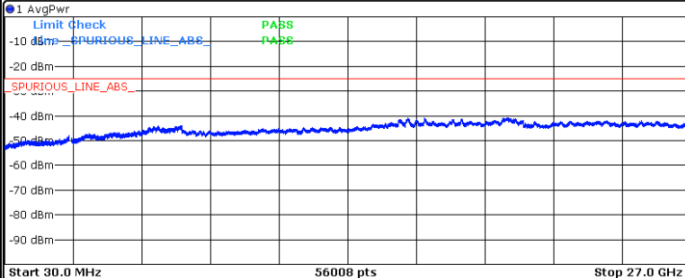


LTE Band 38 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

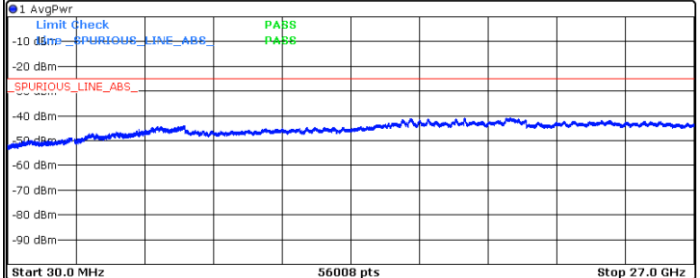
Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	987.15392 MHz	-49.82 dBm	-24.82 dB
1.000 GHz	2.545 GHz	1.000 MHz	2.54403 GHz	-48.04 dBm	-23.04 dB
2.545 GHz	3.000 GHz	1.000 MHz	2.94651 GHz	-48.82 dBm	-23.82 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-43.94 dBm	-18.94 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.05374 GHz	-45.73 dBm	-20.73 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.86677 GHz	-44.42 dBm	-19.42 dB
14.000 GHz	18.000 GHz	1.000 MHz	15.87052 GHz	-40.89 dBm	-15.89 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.80265 GHz	-40.82 dBm	-15.82 dB

Date: 8.NOV.2023 10:09:42

Spectrum

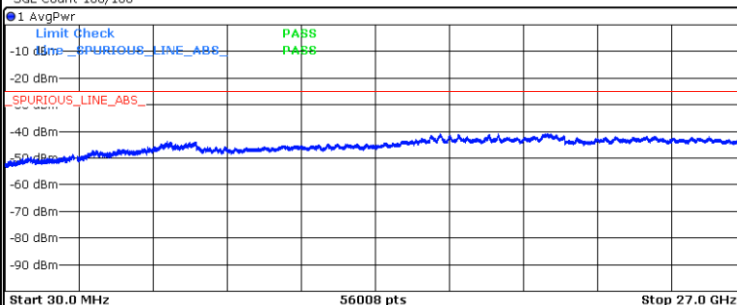
Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-49.85 dBm	-24.85 dB
1.000 GHz	2.545 GHz	1.000 MHz	2.48997 GHz	-48.81 dBm	-23.81 dB
2.545 GHz	3.000 GHz	1.000 MHz	2.93853 GHz	-48.78 dBm	-23.78 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.97125 GHz	-44.10 dBm	-19.10 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.40868 GHz	-45.75 dBm	-20.75 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89876 GHz	-44.43 dBm	-19.43 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.99775 GHz	-41.01 dBm	-16.01 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.76315 GHz	-40.86 dBm	-15.86 dB

Date: 8.NOV.2023 10:10:58

Highest Channel / QPSK

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	962.43128 MHz	-49.70 dBm	-24.70 dB
1.000 GHz	2.545 GHz	1.000 MHz	2.49924 GHz	-48.59 dBm	-23.59 dB
2.545 GHz	3.000 GHz	1.000 MHz	2.97667 GHz	-48.79 dBm	-23.79 dB
3.000 GHz	7.000 GHz	1.000 MHz	5.93388 GHz	-43.78 dBm	-18.78 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.03174 GHz	-45.49 dBm	-20.49 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.86077 GHz	-44.36 dBm	-19.36 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.98375 GHz	-40.77 dBm	-15.77 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.78215 GHz	-40.84 dBm	-15.84 dB

Date: 8.NOV.2023 10:12:04

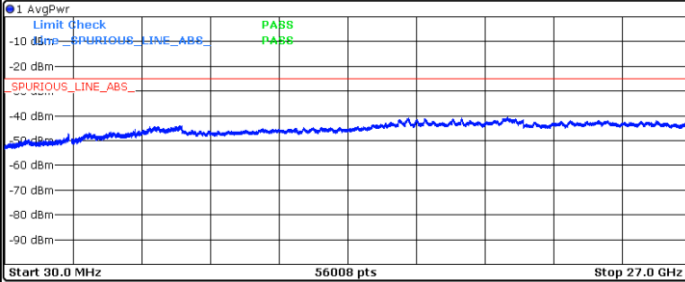


LTE Band 38 / 20MHz

Lowest Channel / QPSK

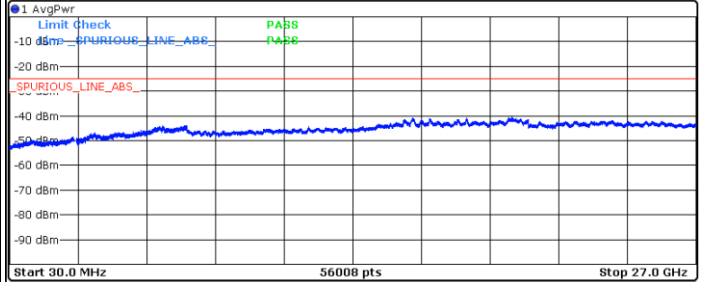
Middle Channel / QPSK

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.03798 MHz	-49.63 dBm	-24.63 dB
1.000 GHz	2.545 GHz	1.000 MHz	2.53631 GHz	-47.13 dBm	-22.13 dB
2.645 GHz	3.000 GHz	1.000 MHz	2.97206 GHz	-48.42 dBm	-23.42 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91226 GHz	-44.01 dBm	-19.01 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.41118 GHz	-45.79 dBm	-20.79 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.88526 GHz	-44.34 dBm	-19.34 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.99675 GHz	-40.95 dBm	-15.95 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.79015 GHz	-40.63 dBm	-15.63 dB

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

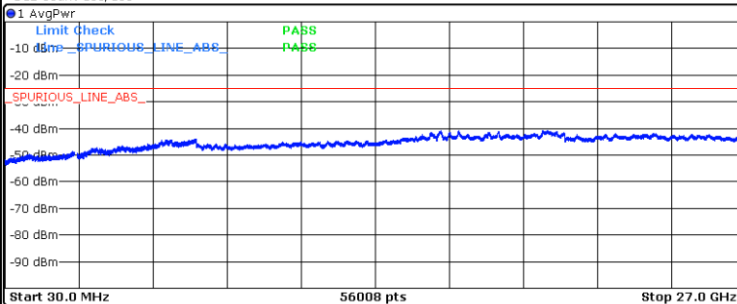
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.74813 MHz	-49.74 dBm	-24.74 dB
1.000 GHz	2.545 GHz	1.000 MHz	2.50619 GHz	-48.70 dBm	-23.70 dB
2.645 GHz	3.000 GHz	1.000 MHz	2.96425 GHz	-48.73 dBm	-23.73 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.99425 GHz	-43.85 dBm	-18.85 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.05174 GHz	-45.76 dBm	-20.76 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.90676 GHz	-44.23 dBm	-19.23 dB
14.000 GHz	18.000 GHz	1.000 MHz	17.98975 GHz	-40.67 dBm	-15.67 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.77815 GHz	-40.67 dBm	-15.67 dB

Date: 8.NOV.2023 10:13:44

Date: 8.NOV.2023 10:15:07

Highest Channel / QPSK

Spectrum

Ref Level 0.00 dBm Offset 19.00 dB Mode Auto Sweep
SGL Count 100/100

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	928.01349 MHz	-49.75 dBm	-24.75 dB
1.000 GHz	2.545 GHz	1.000 MHz	2.49422 GHz	-48.67 dBm	-23.67 dB
2.645 GHz	3.000 GHz	1.000 MHz	2.93551 GHz	-48.62 dBm	-23.62 dB
3.000 GHz	7.000 GHz	1.000 MHz	6.91576 GHz	-43.86 dBm	-18.86 dB
7.000 GHz	10.000 GHz	1.000 MHz	7.72213 GHz	-45.83 dBm	-20.83 dB
10.000 GHz	14.000 GHz	1.000 MHz	13.89576 GHz	-44.23 dBm	-19.23 dB
14.000 GHz	18.000 GHz	1.000 MHz	16.53993 GHz	-40.74 dBm	-15.74 dB
18.000 GHz	27.000 GHz	1.000 MHz	19.77515 GHz	-40.82 dBm	-15.82 dB

Date: 8.NOV.2023 10:16:18

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0001	
-20	Normal Voltage	0.0002	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0001	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage = 3.91 V. ; Battery End Point (BEP) = 3.5 V. ; Maximum Voltage = 4.45 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

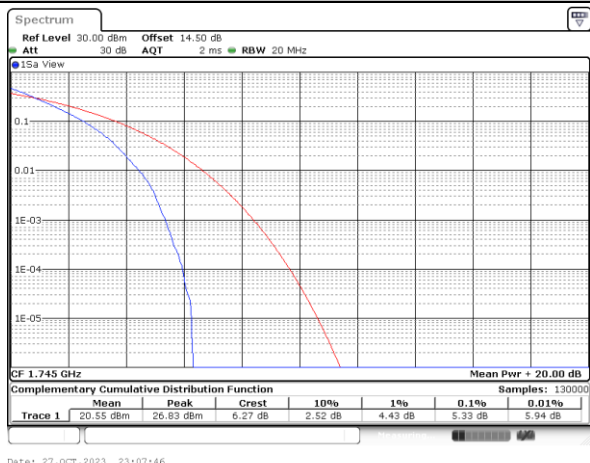
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.33	6.29	6.58	PASS



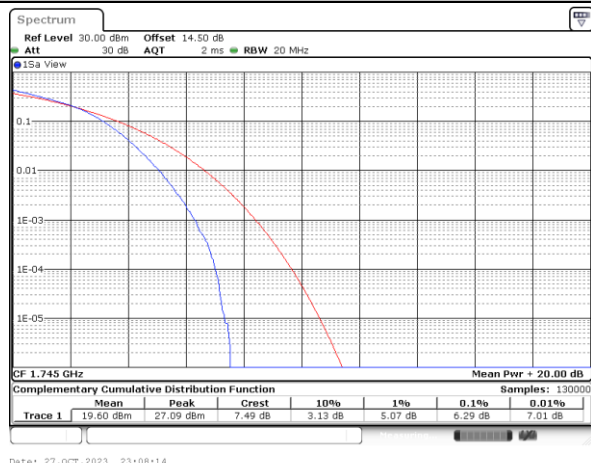
LTE Band 66 / 20MHz / QPSK

Middle Channel / Full RB



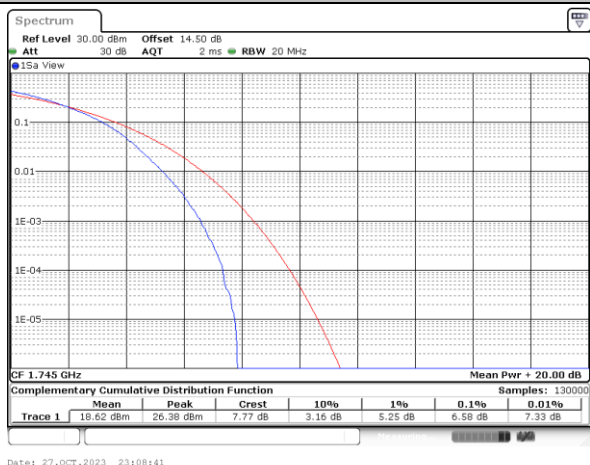
LTE Band 66 / 20MHz / 16QAM

Middle Channel / Full RB



LTE Band 66 / 20MHz / 64QAM

Middle Channel / Full RB



NA



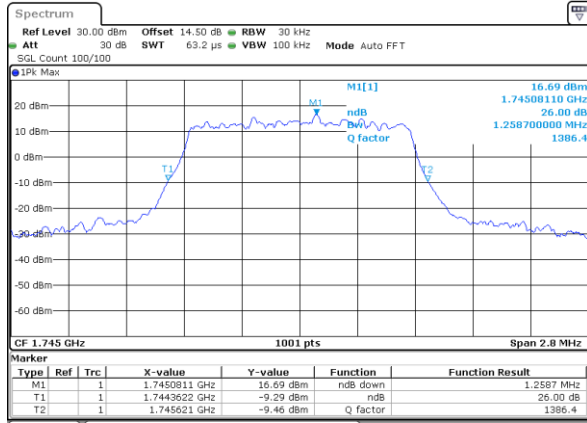
26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.26	1.27	2.95	2.96	5.11	4.90	9.85	9.95	14.48	14.48	19.14	19.06



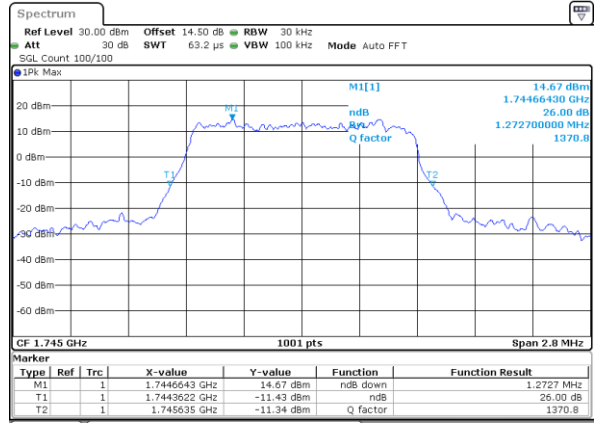
LTE Band 66

Middle Channel / 1.4MHz / QPSK



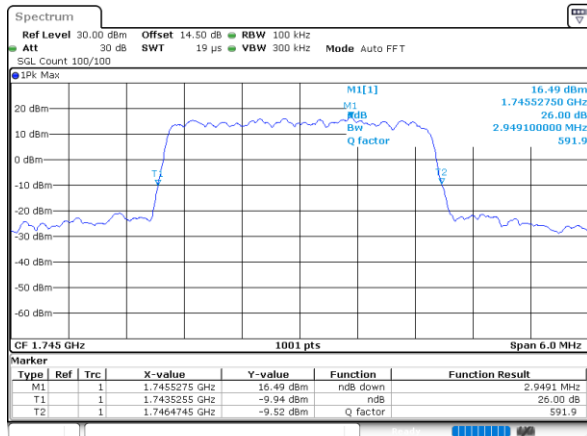
Date: 27.OCT.2023 21:42:14

Middle Channel / 1.4MHz / 16QAM



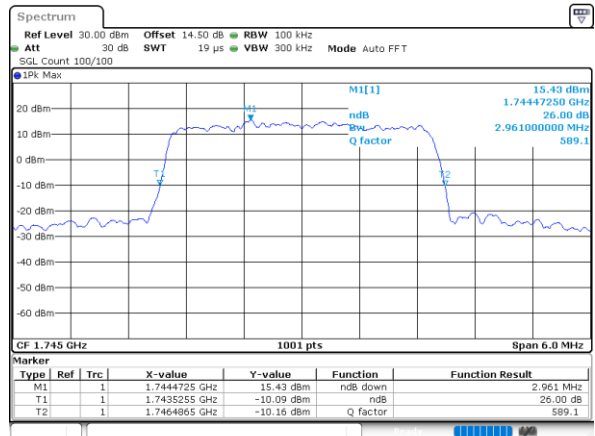
Date: 27.OCT.2023 21:46:50

Middle Channel / 3MHz / QPSK



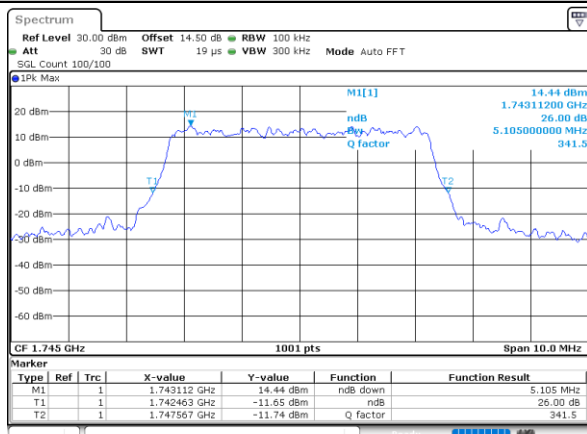
Date: 27.OCT.2023 21:53:55

Middle Channel / 3MHz / 16QAM



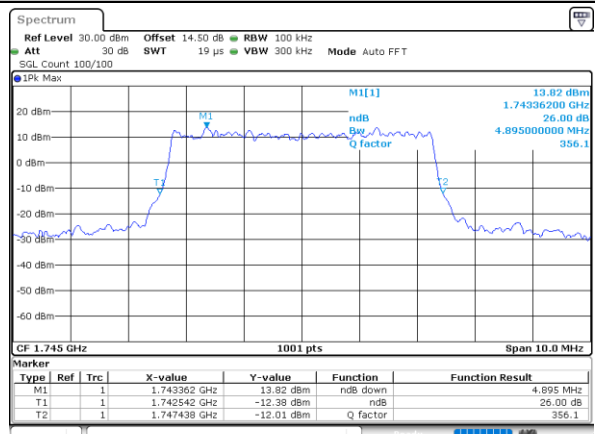
Date: 27.OCT.2023 22:02:25

Middle Channel / 5MHz / QPSK



Date: 27.OCT.2023 22:14:19

Middle Channel / 5MHz / 16QAM

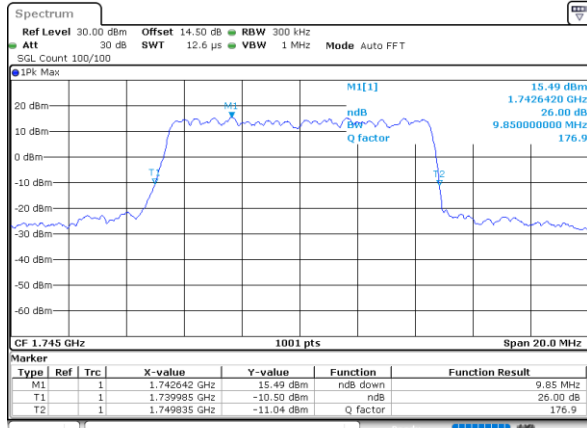


Date: 27.OCT.2023 22:22:54



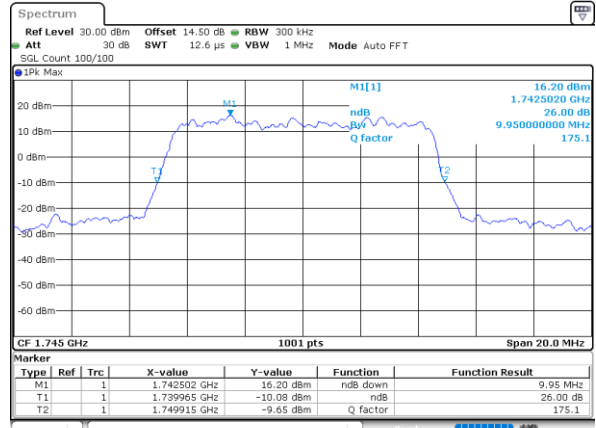
LTE Band 66

Middle Channel / 10MHz / QPSK



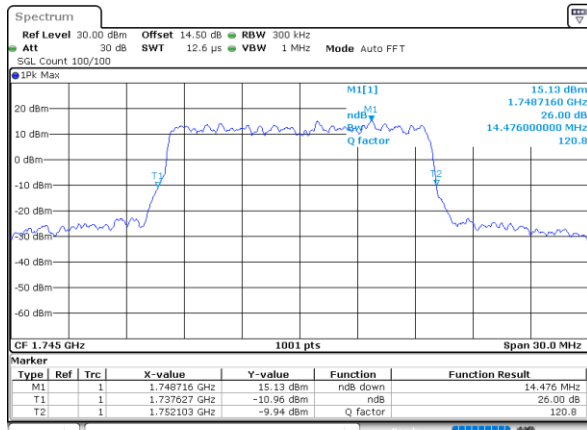
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Middle Channel / 10MHz / 16QAM



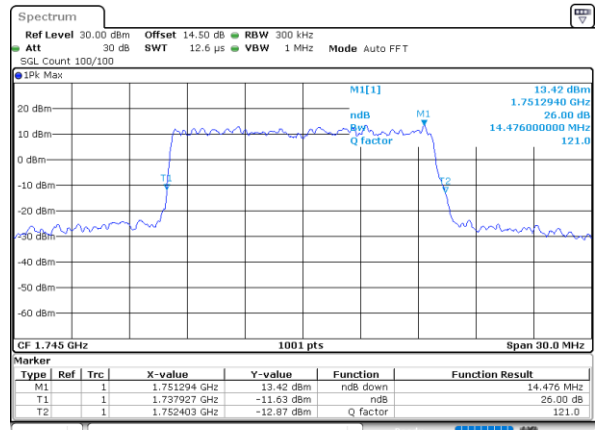
Date: 27.OCT.2023 22:53:36

Middle Channel / 15MHz / QPSK



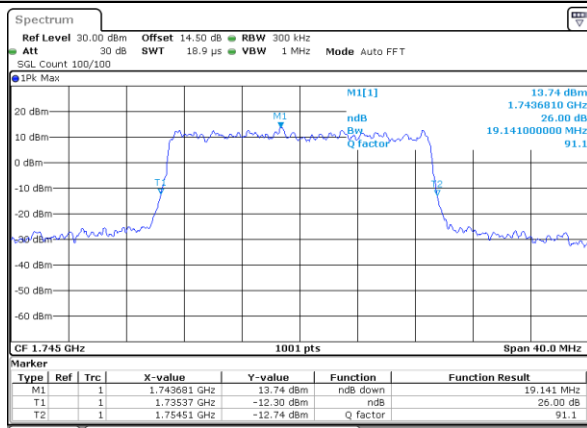
Date: 27.OCT.2023 22:55:53

Middle Channel / 15MHz / 16QAM



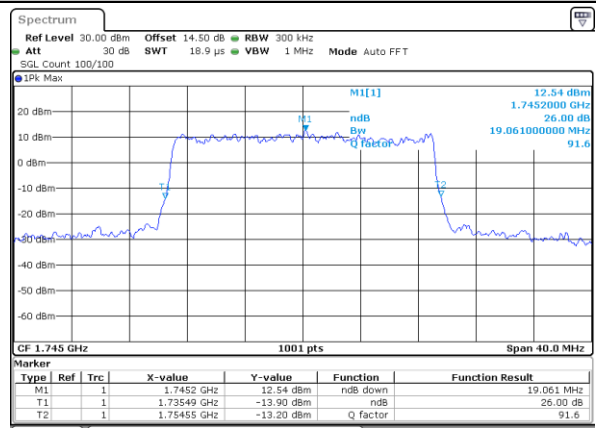
Date: 27.OCT.2023 23:04:23

Middle Channel / 20MHz / QPSK



Date: 27.OCT.2023 23:06:39

Middle Channel / 20MHz / 16QAM



Date: 27.OCT.2023 23:07:19



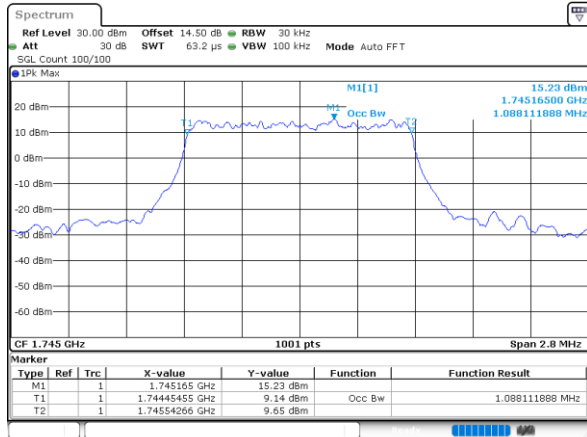
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.09	1.09	2.71	2.73	4.52	4.47	9.07	9.05	13.43	13.43	17.94	17.90

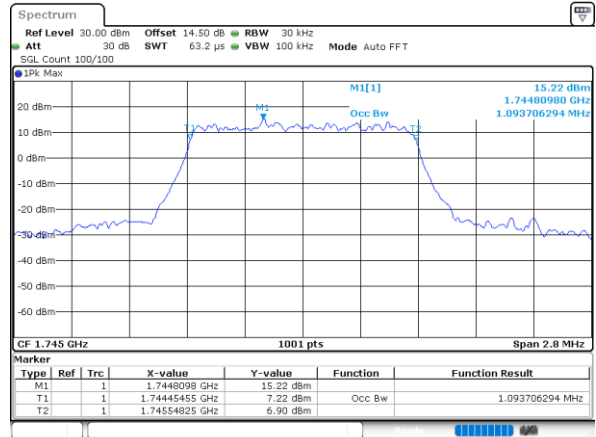


LTE Band 66

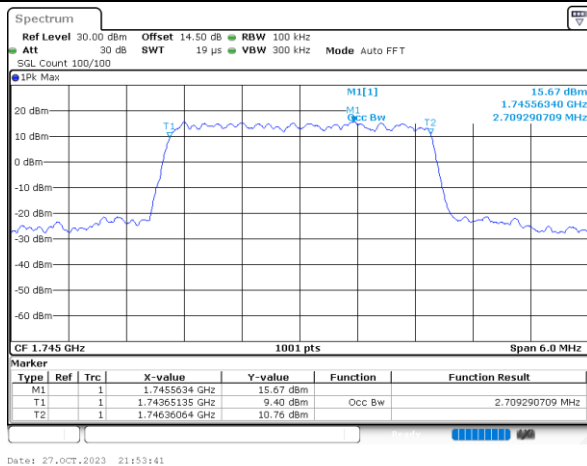
Middle Channel / 1.4MHz / QPSK



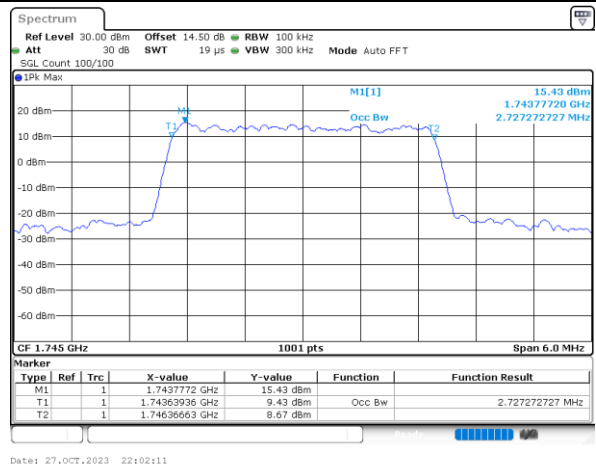
Middle Channel / 1.4MHz / 16QAM



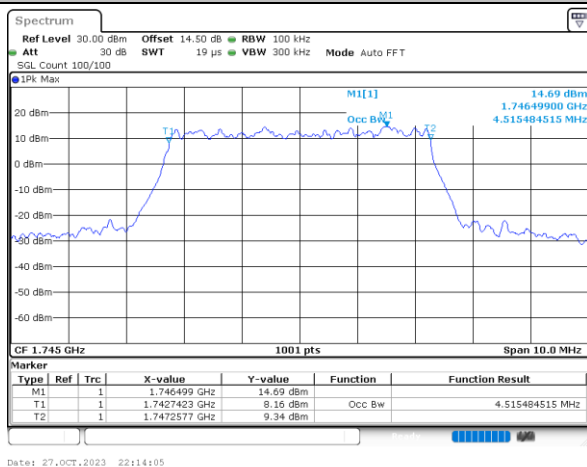
Middle Channel / 3MHz / QPSK



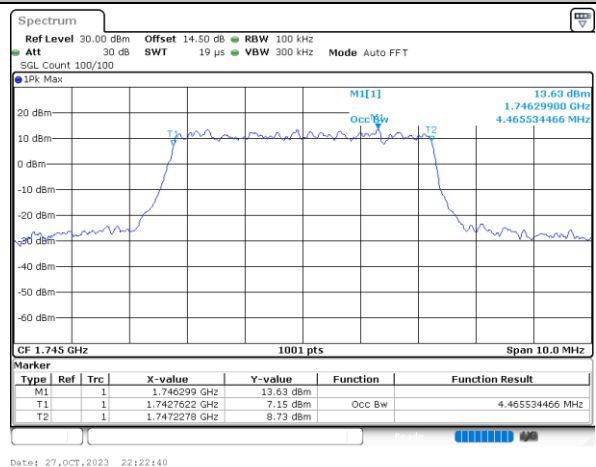
Middle Channel / 3MHz / 16QAM



Middle Channel / 5MHz / QPSK



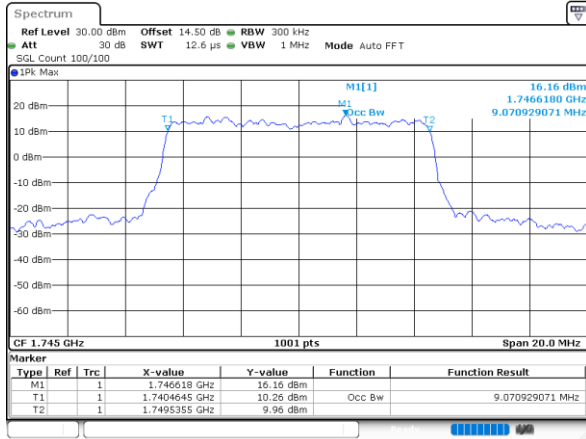
Middle Channel / 5MHz / 16QAM



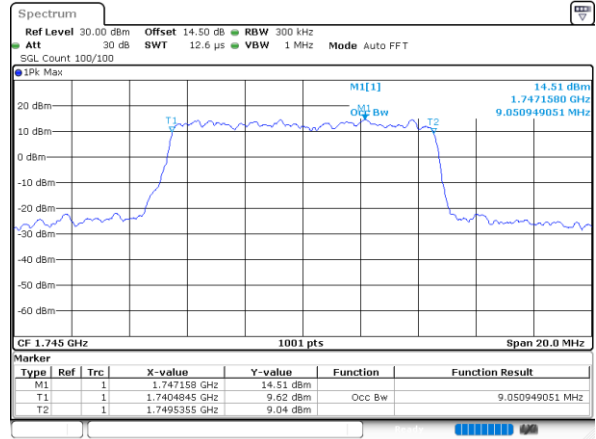


LTE Band 66

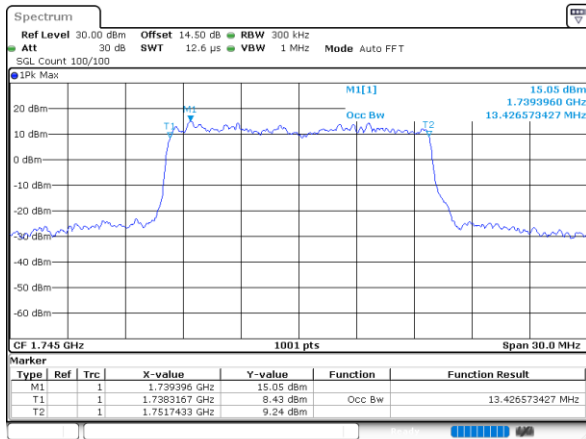
Middle Channel / 10MHz / QPSK



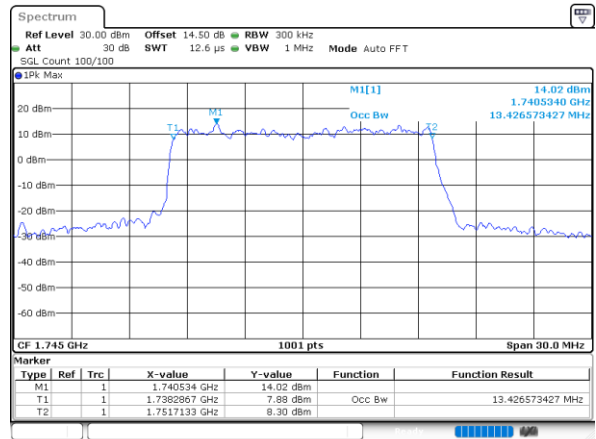
Middle Channel / 10MHz / 16QAM



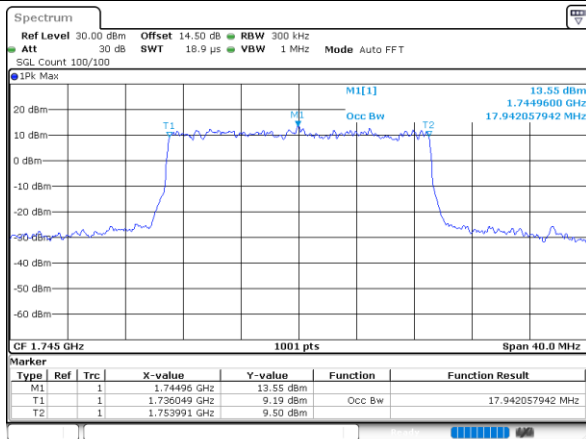
Middle Channel / 15MHz / QPSK



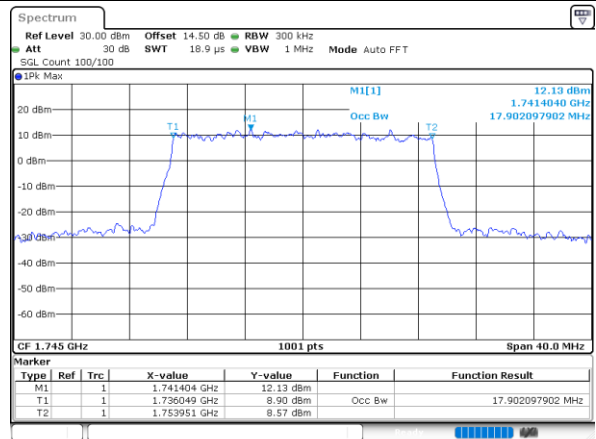
Middle Channel / 15MHz / 16QAM



Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

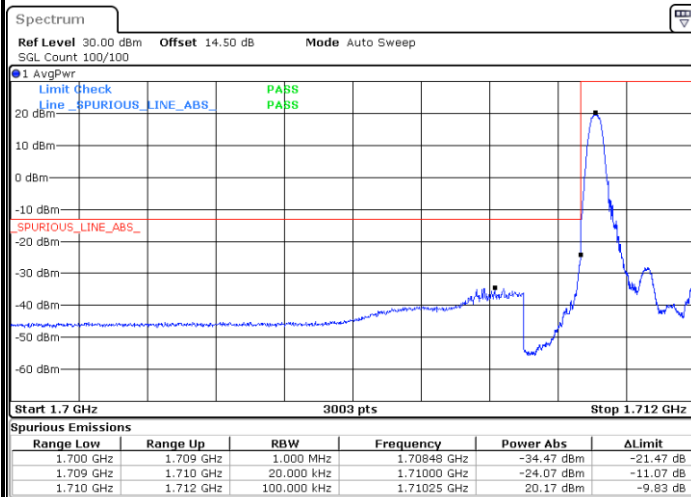




Conducted Band Edge

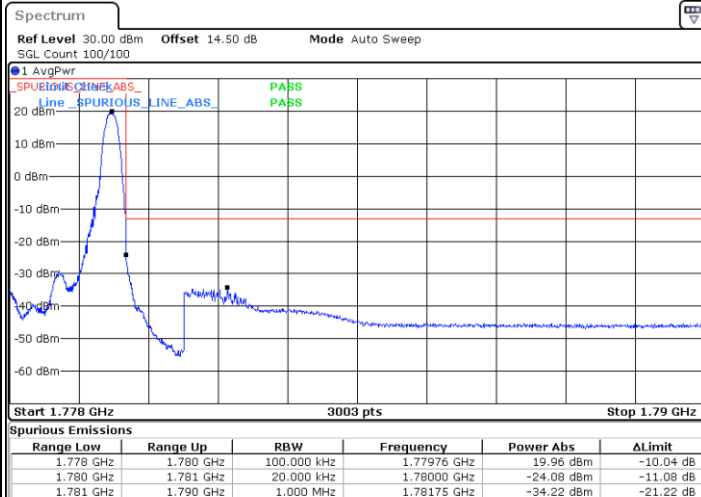
LTE Band 66 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



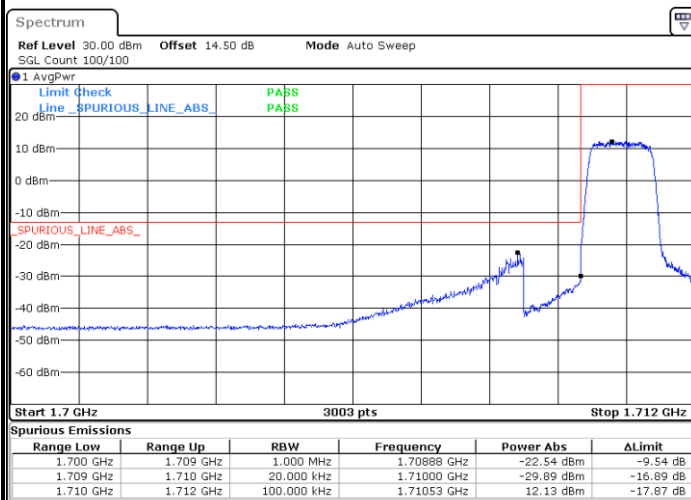
Date: 27.OCT.2023 21:38:23

Highest Band Edge / 1RB



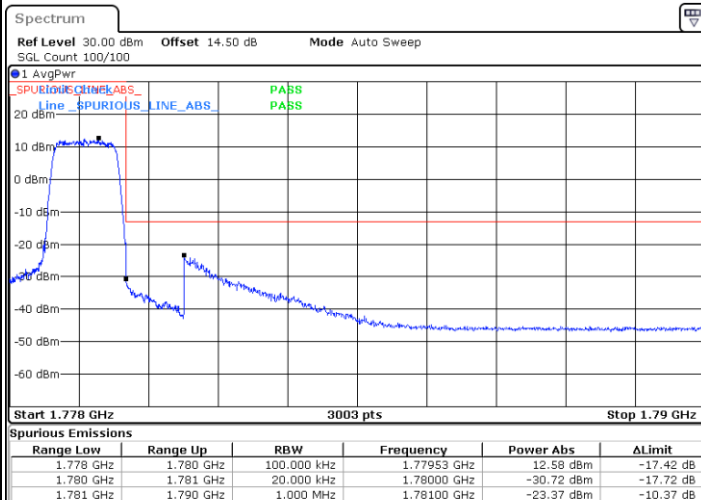
Date: 27.OCT.2023 21:42:43

Lowest Band Edge / Full RB



Date: 27.OCT.2023 21:40:47

Highest Band Edge / Full RB

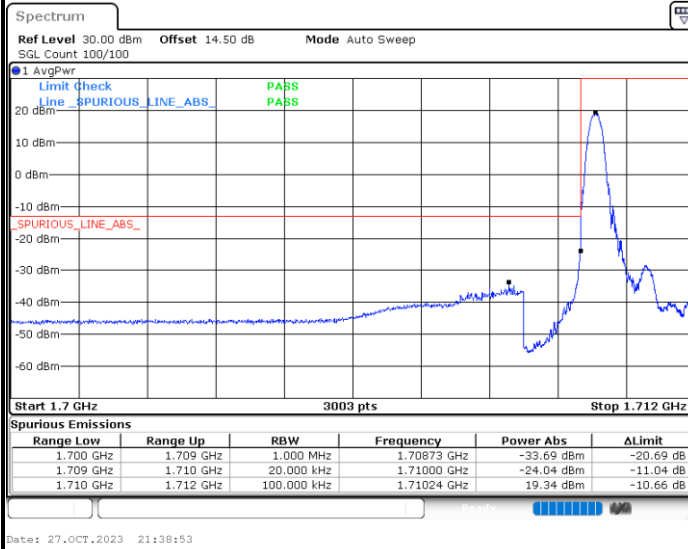


Date: 27.OCT.2023 21:45:08

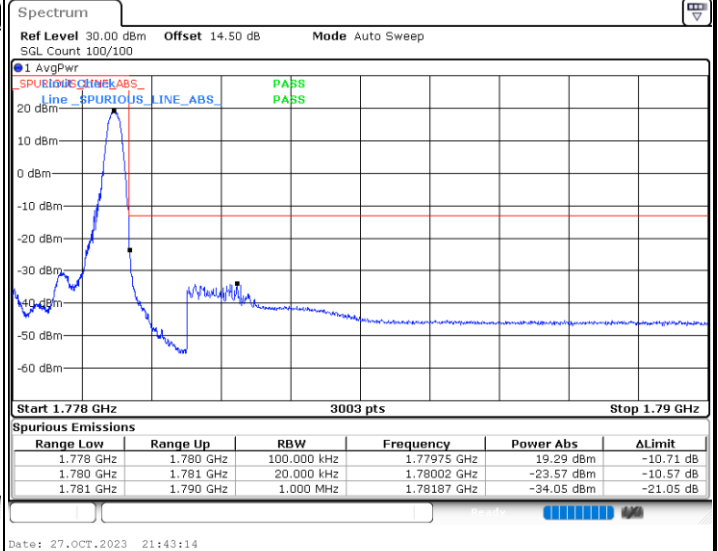


LTE Band 66 / 1.4MHz / 16QAM

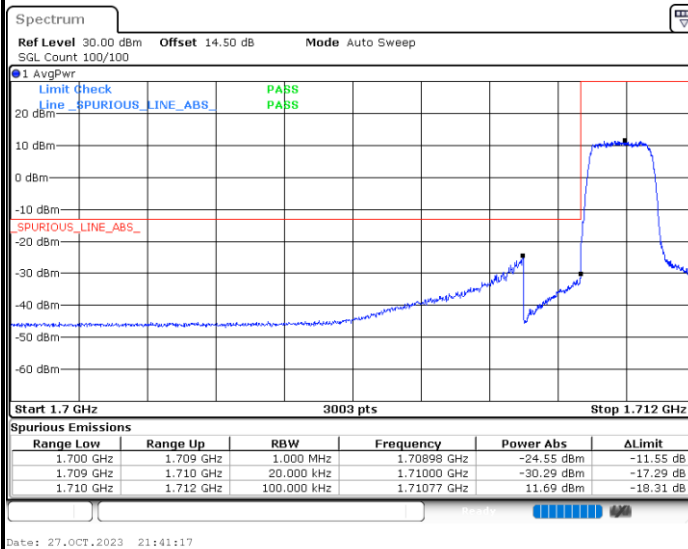
Lowest Band Edge / 1 RB



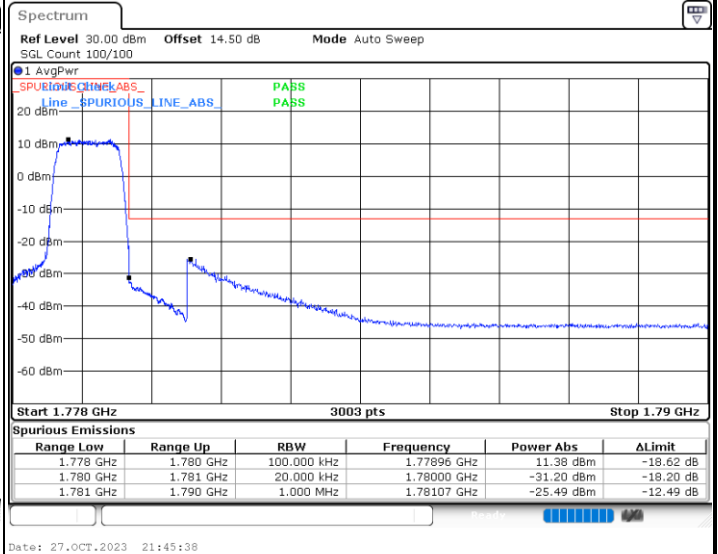
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



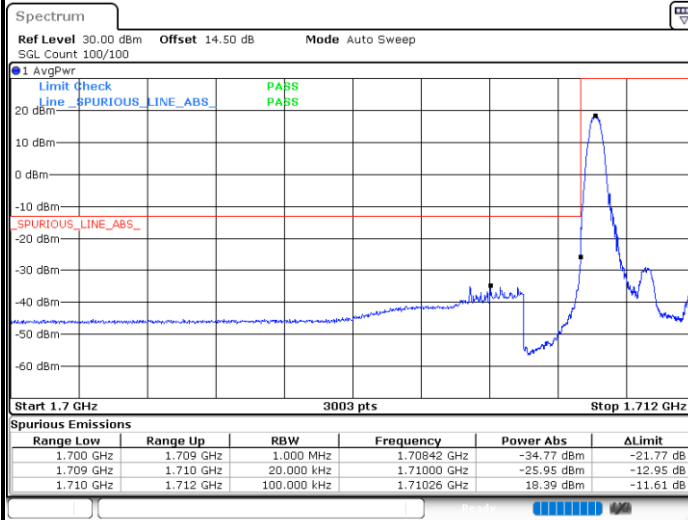
Highest Band Edge / Full RB



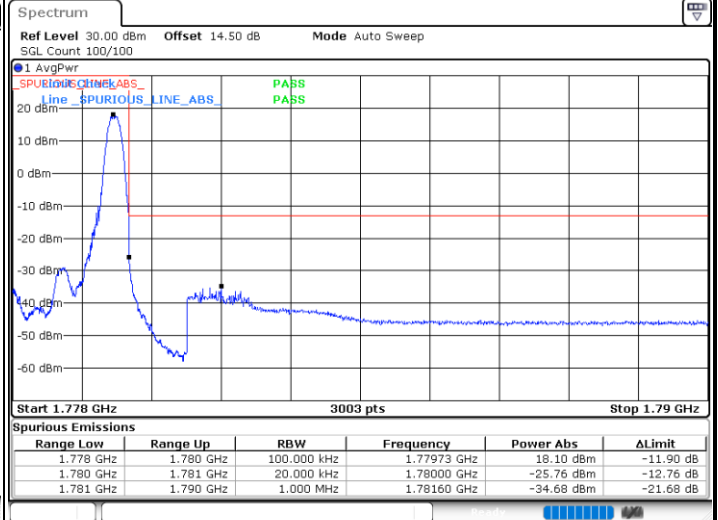


LTE Band 66 / 1.4MHz / 64QAM

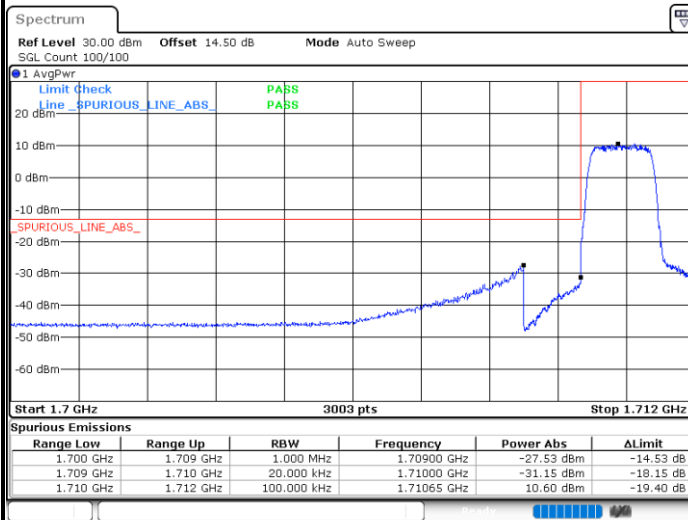
Lowest Band Edge / 1 RB



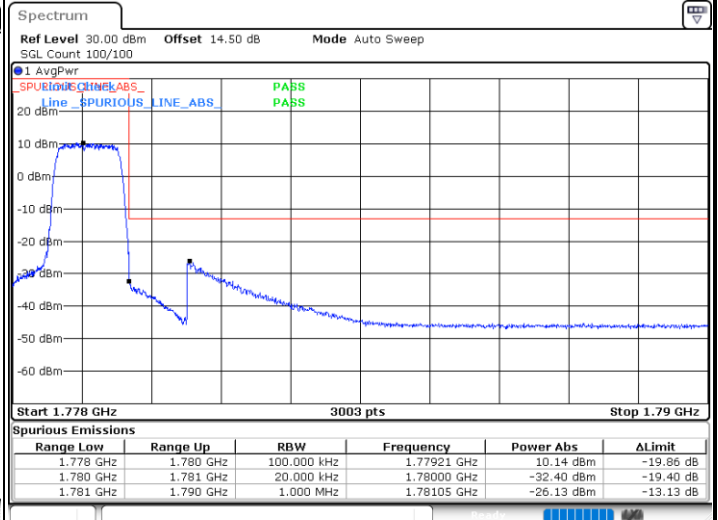
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



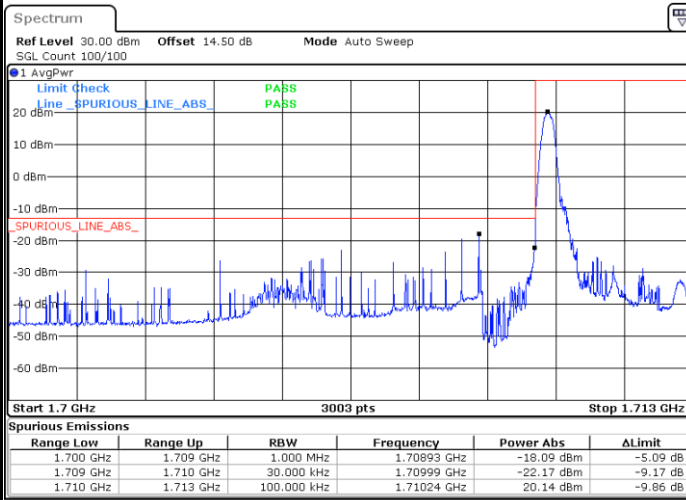
Highest Band Edge / Full RB



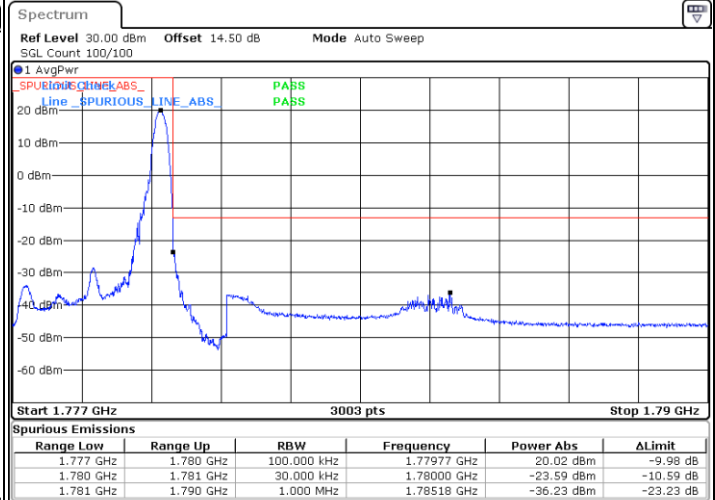


LTE Band 66 / 3MHz / QPSK

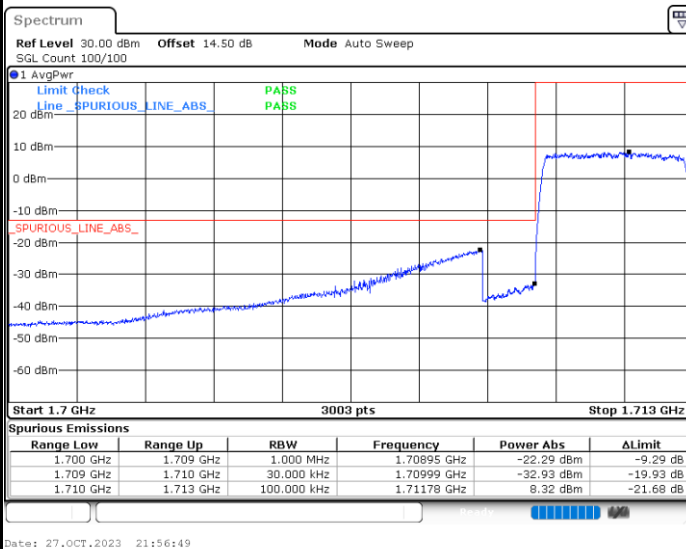
Lowest Band Edge / 1RB



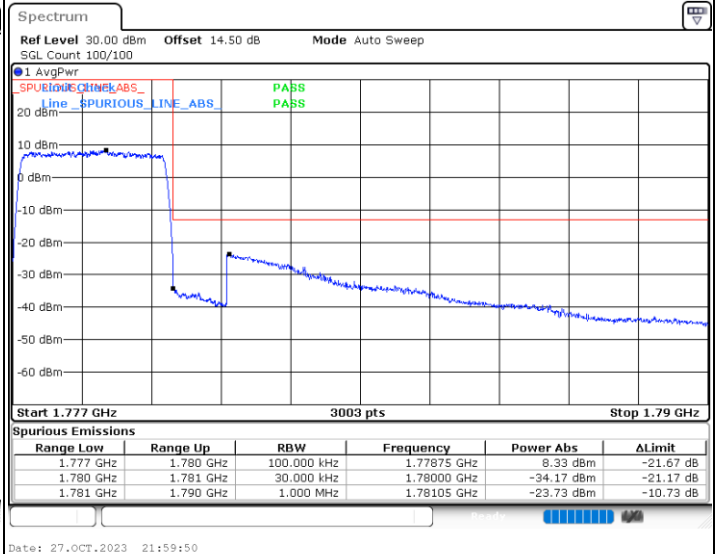
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



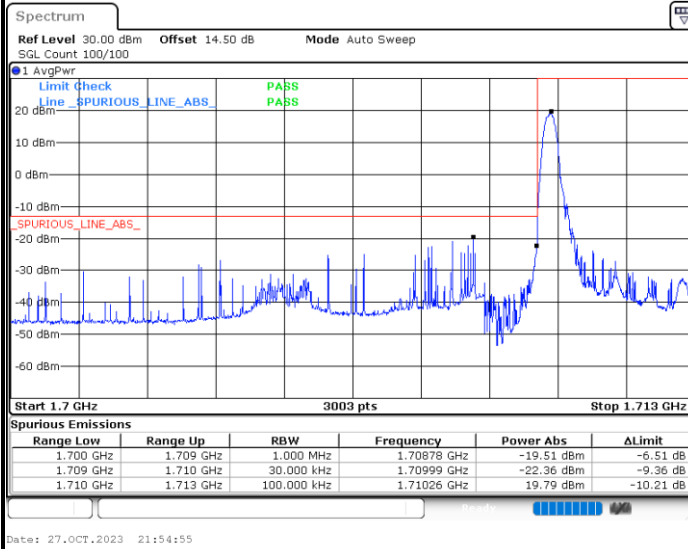
Highest Band Edge / Full RB



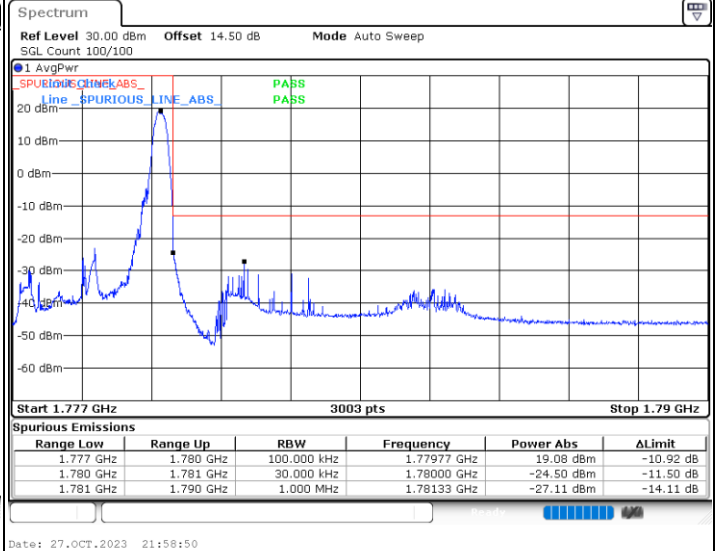


LTE Band 66 / 3MHz / 16QAM

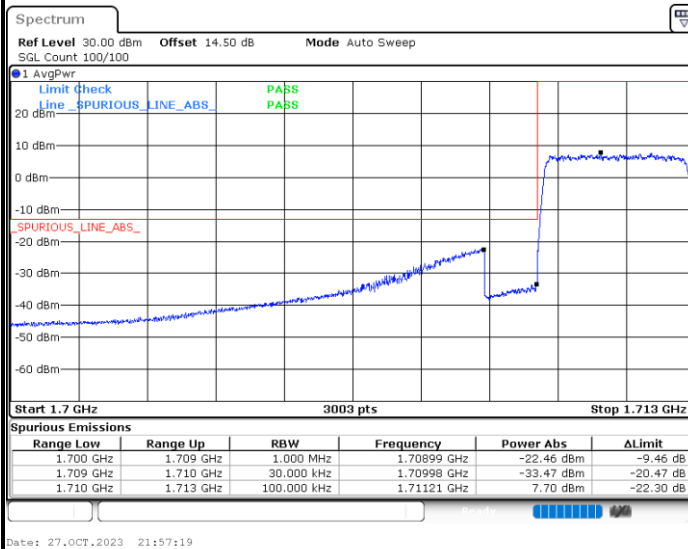
Lowest Band Edge / 1 RB



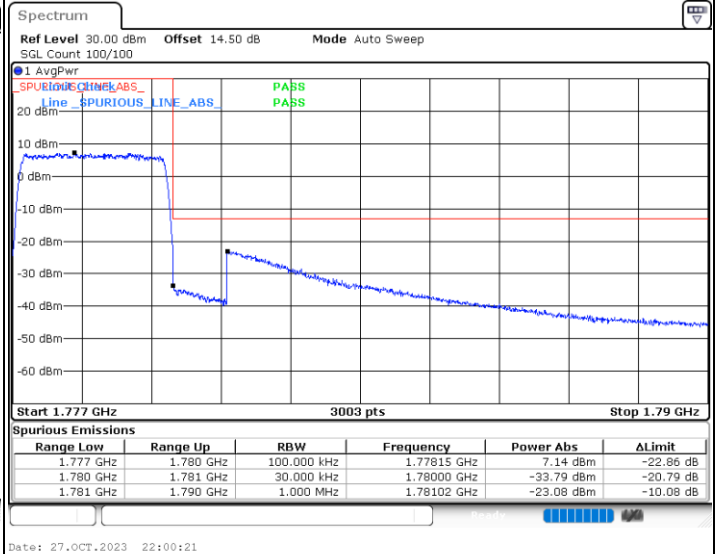
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



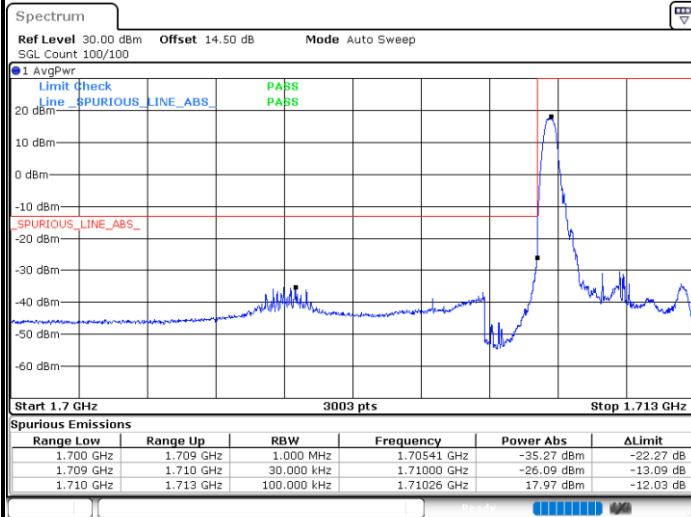
Highest Band Edge / Full RB



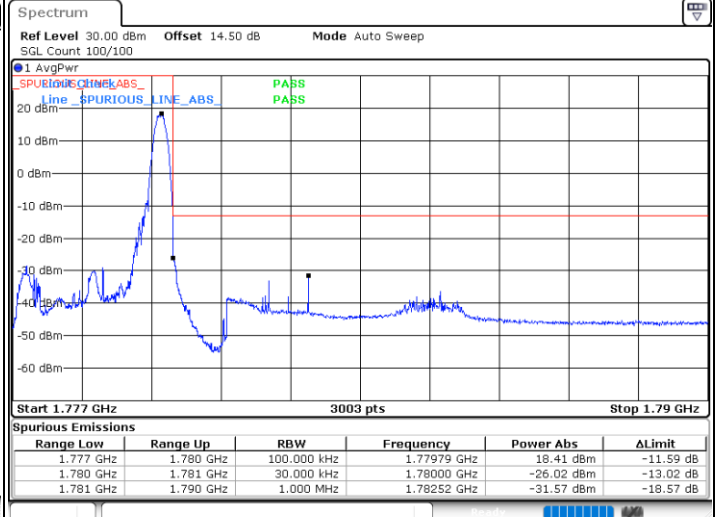


LTE Band 66 / 3MHz / 64QAM

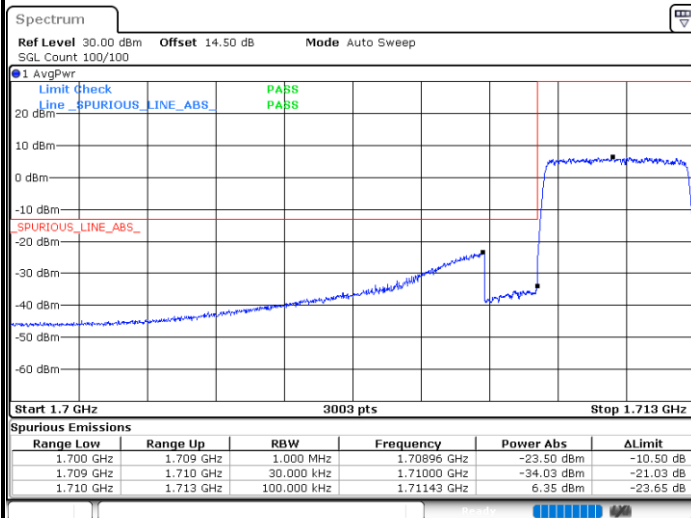
Lowest Band Edge / 1 RB



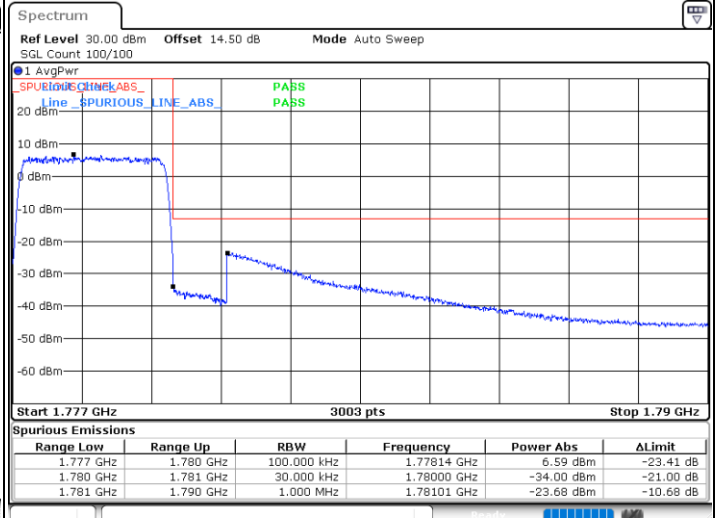
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



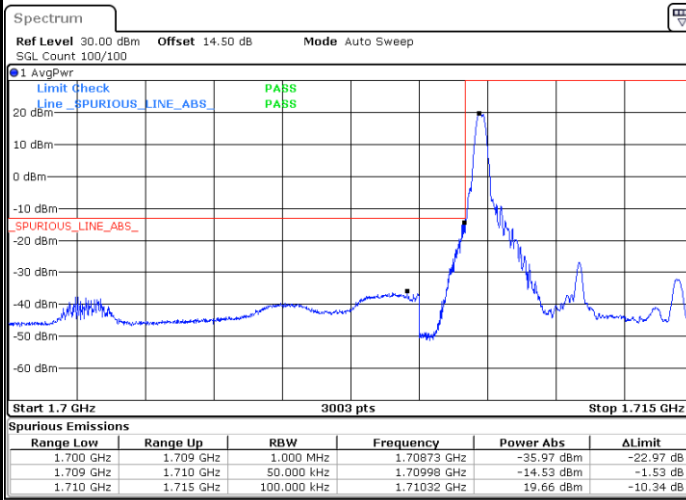
Highest Band Edge / Full RB



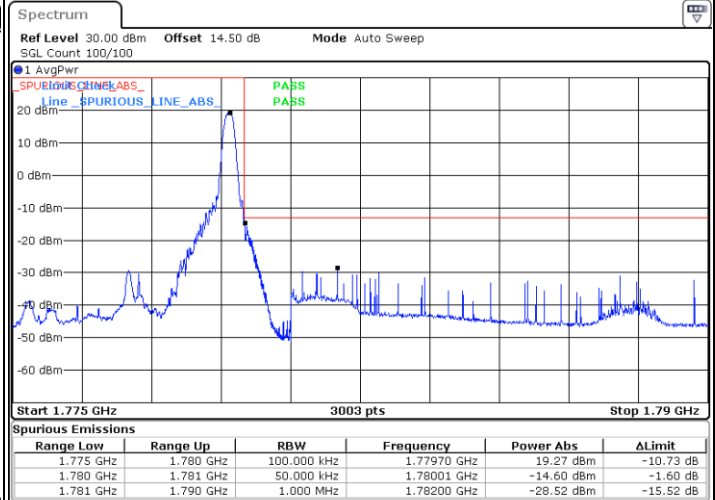


LTE Band 66 / 5MHz / QPSK

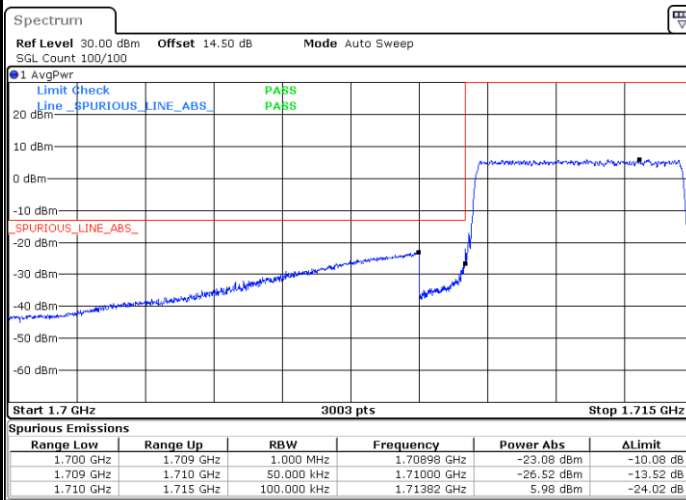
Lowest Band Edge / 1RB



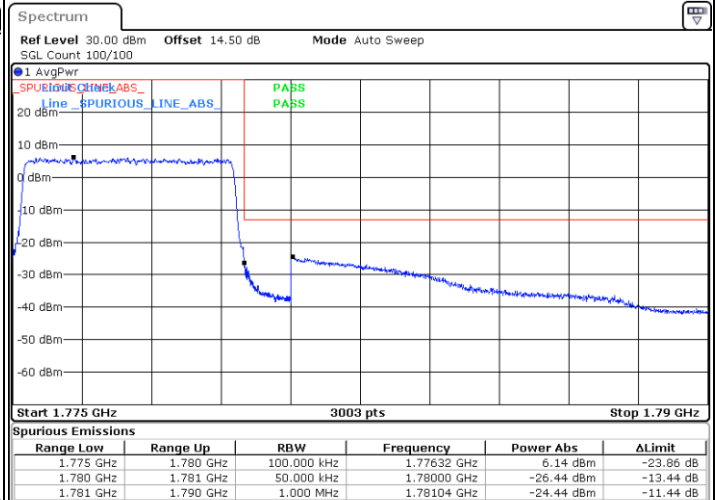
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



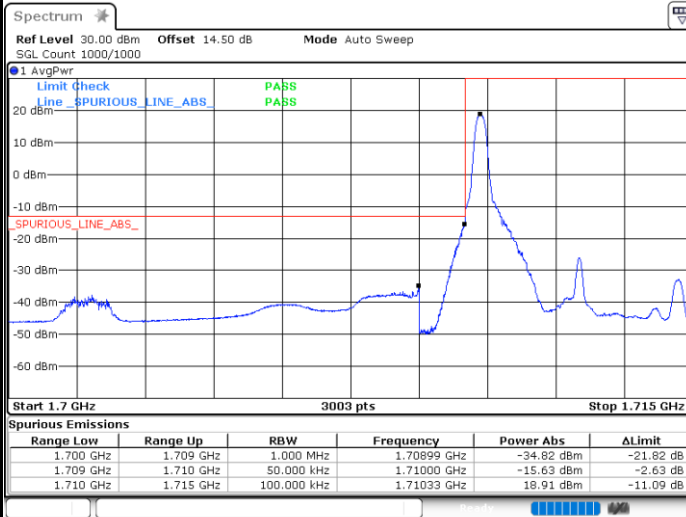
Highest Band Edge / Full RB



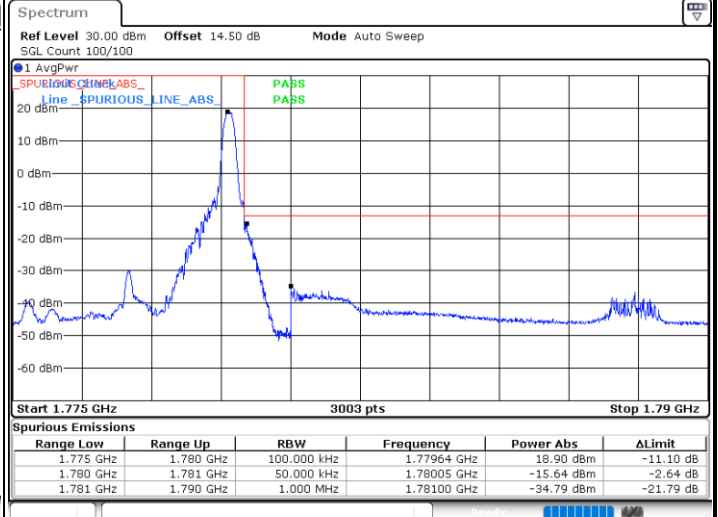


LTE Band 66 / 5MHz / 16QAM

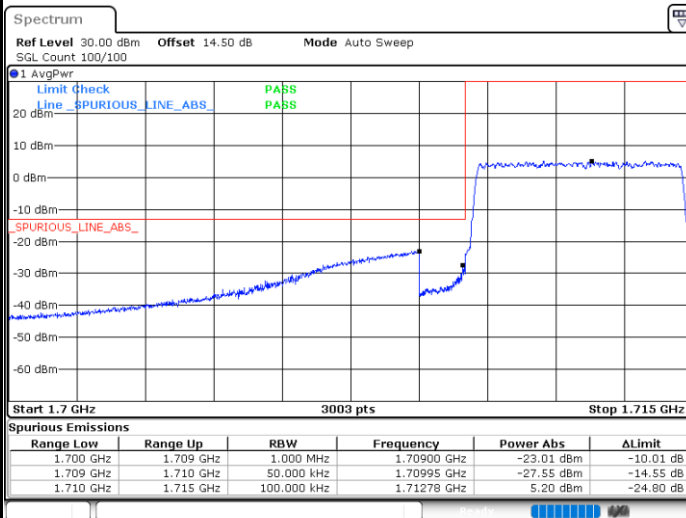
Lowest Band Edge / 1 RB



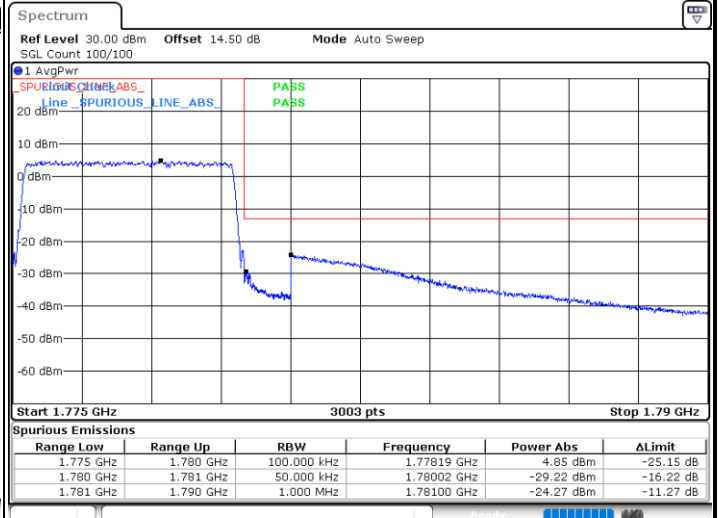
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



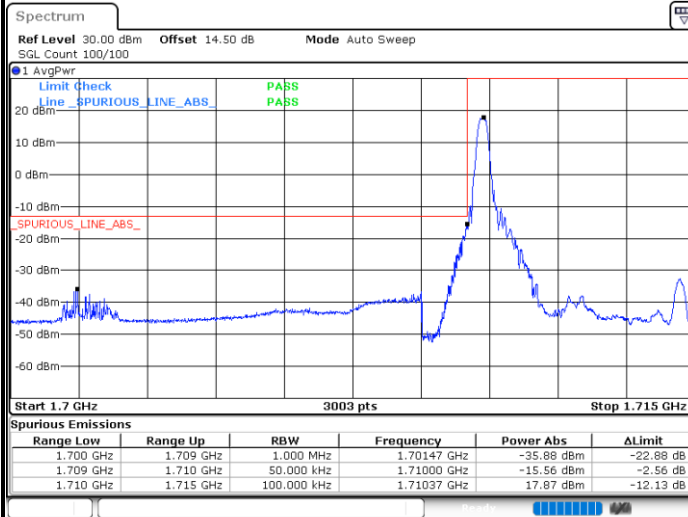
Highest Band Edge / Full RB



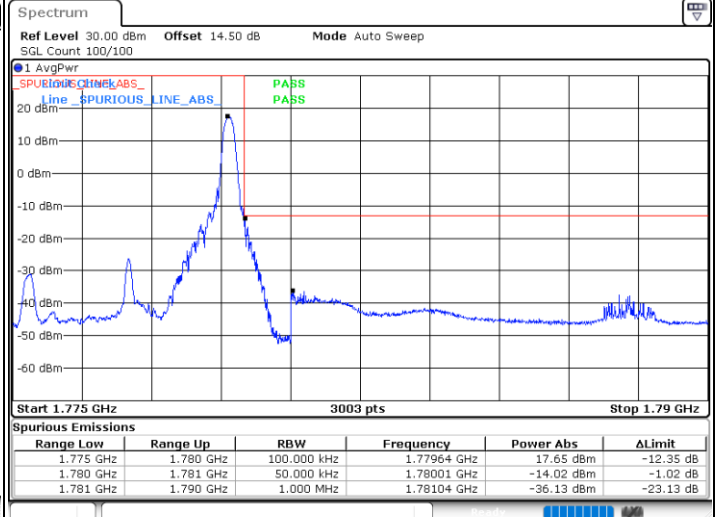


LTE Band 66 / 5MHz / 64QAM

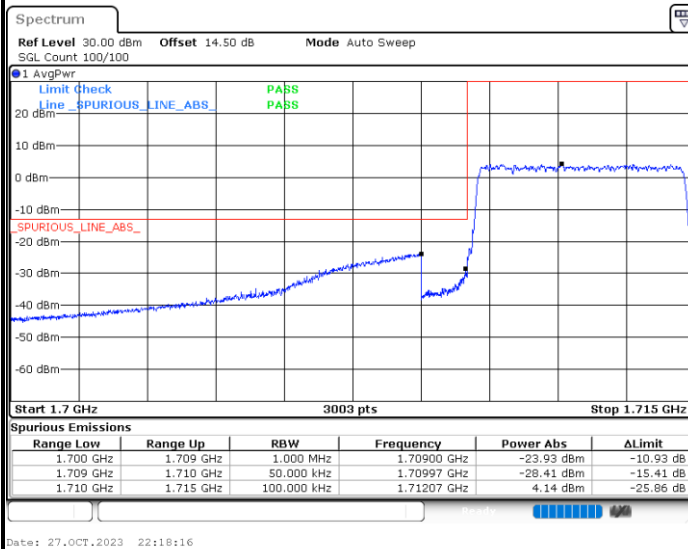
Lowest Band Edge / 1 RB



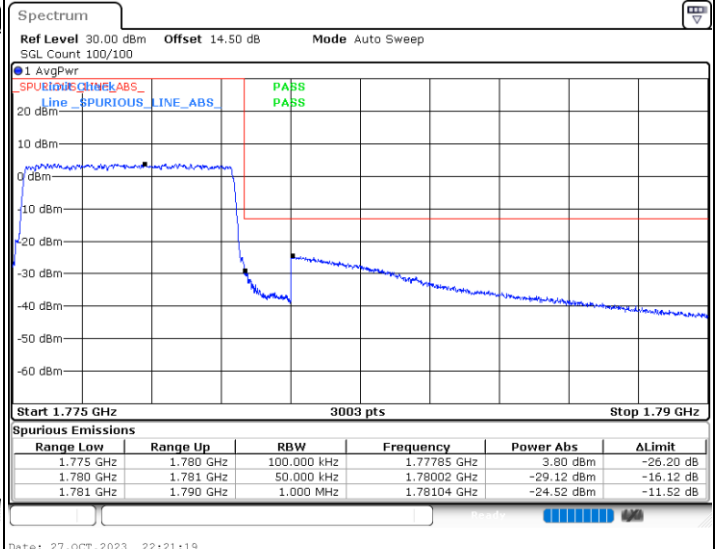
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



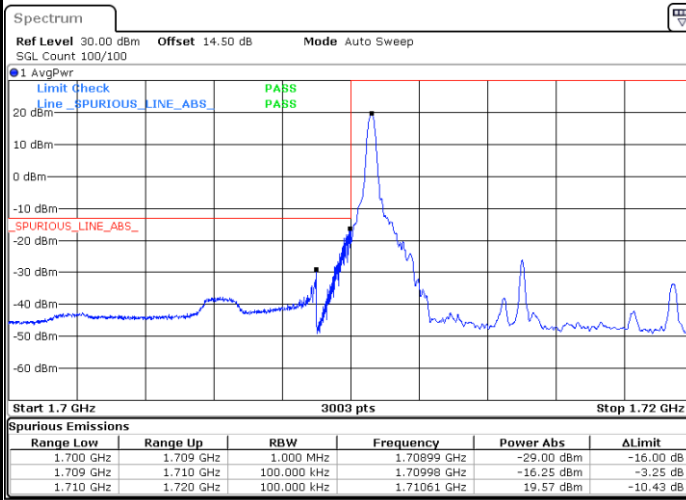
Highest Band Edge / Full RB



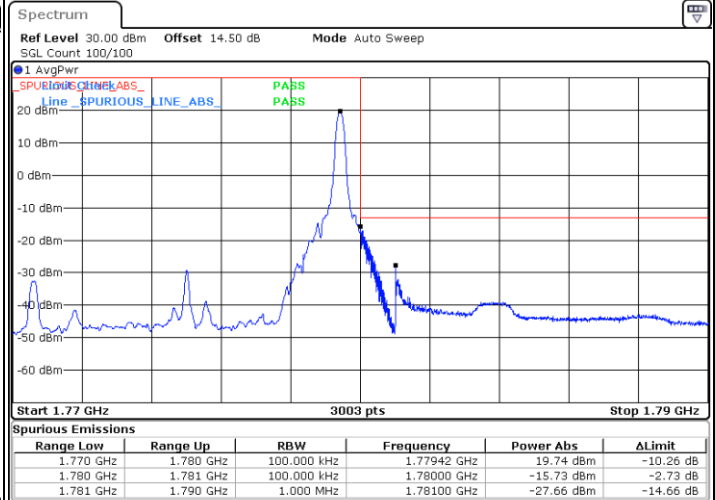


LTE Band 66 / 10MHz / QPSK

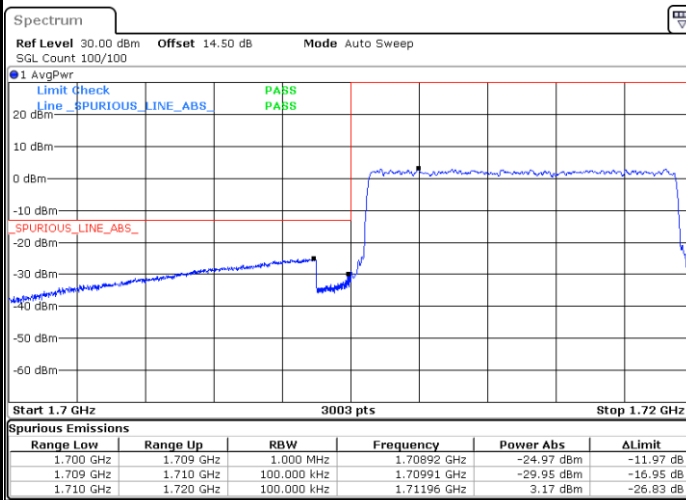
Lowest Band Edge / 1RB



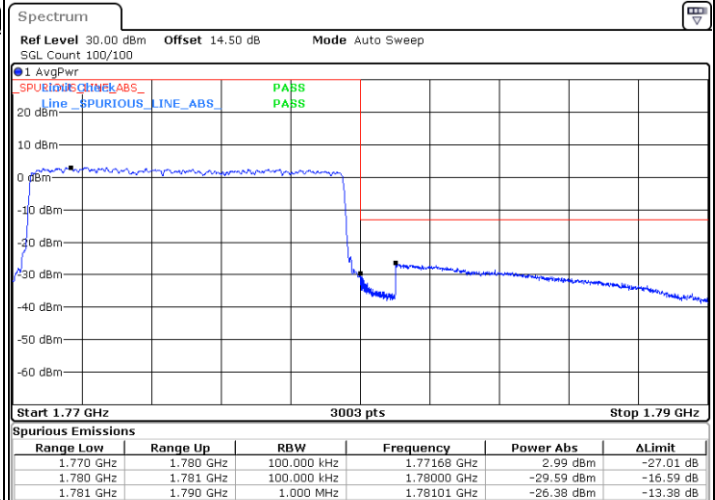
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



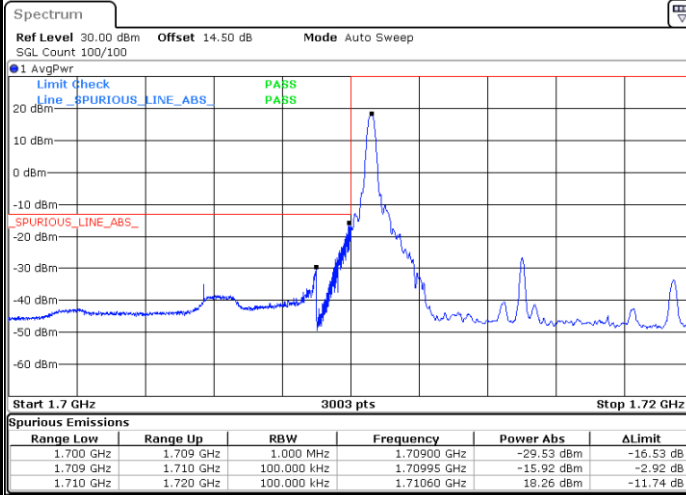
Highest Band Edge / Full RB



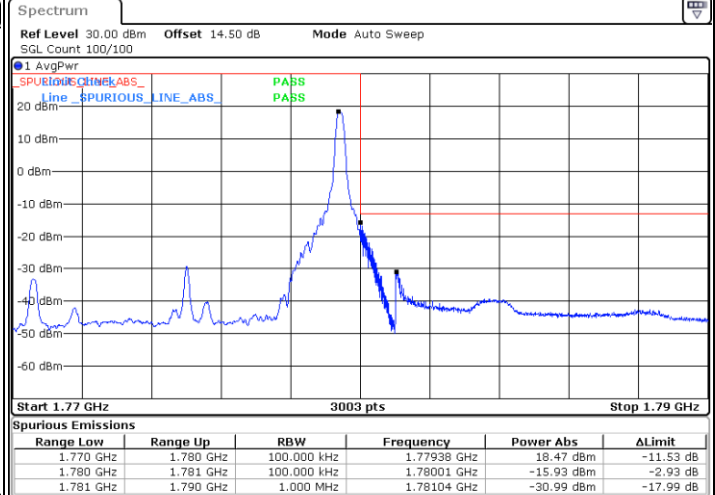


LTE Band 66 / 10MHz / 16QAM

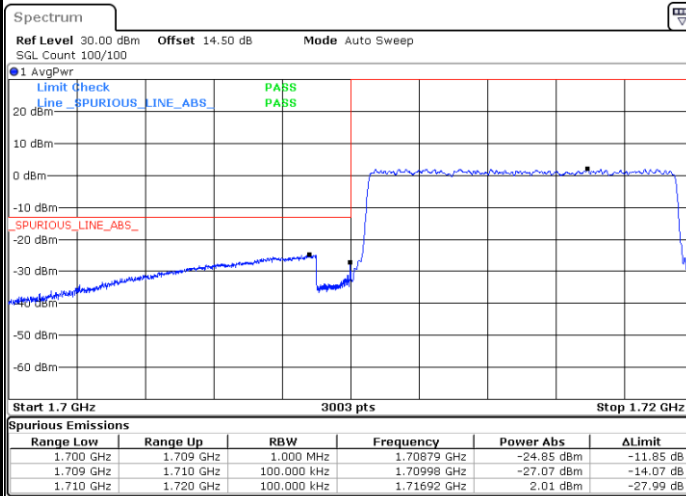
Lowest Band Edge / 1 RB



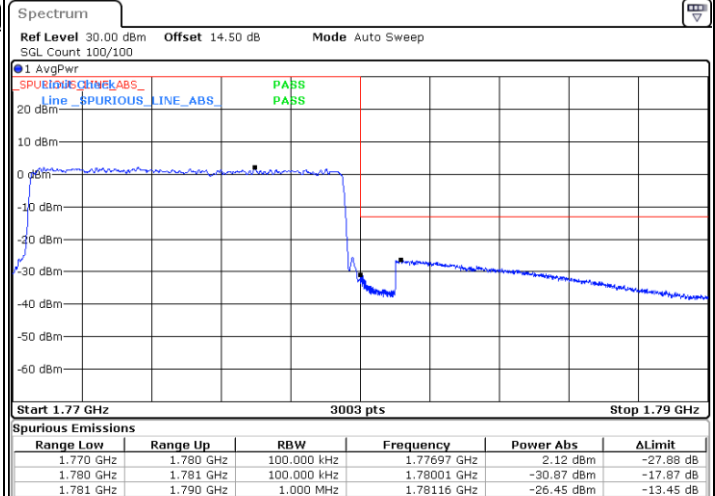
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



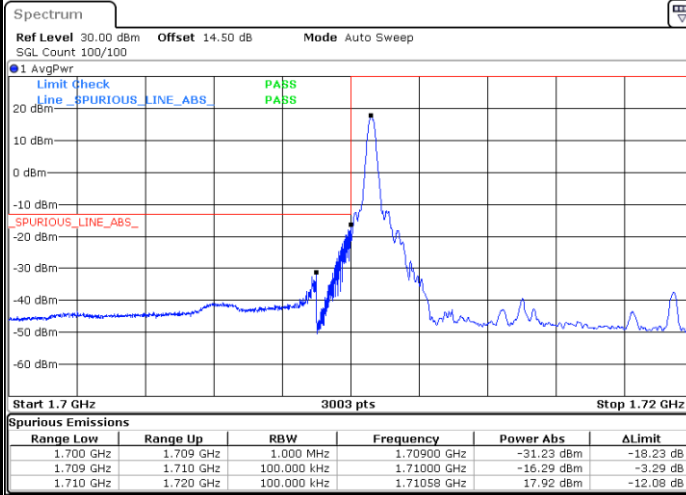
Highest Band Edge / Full RB



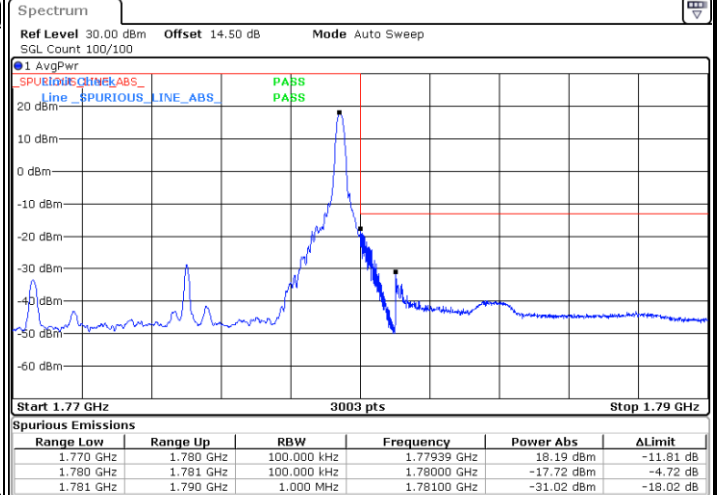


LTE Band 66 / 10MHz / 64QAM

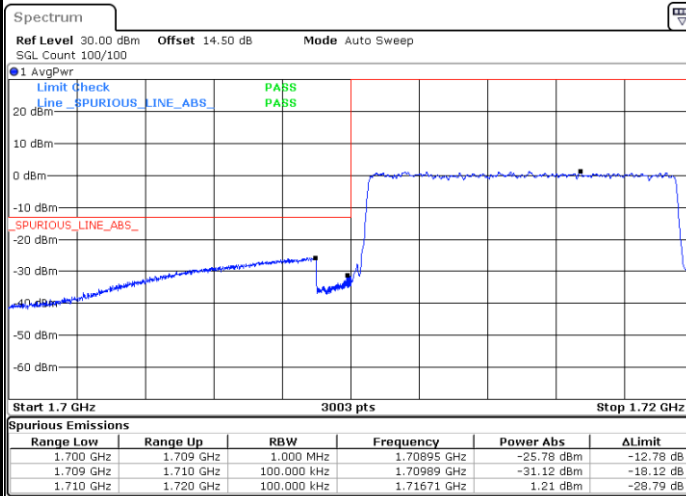
Lowest Band Edge / 1 RB



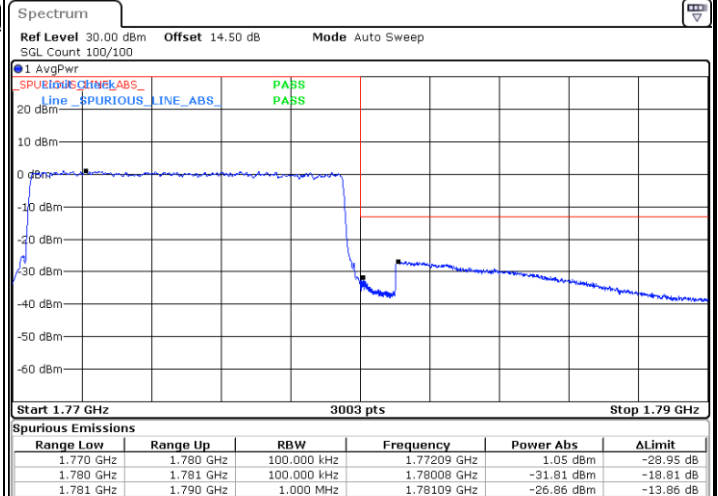
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



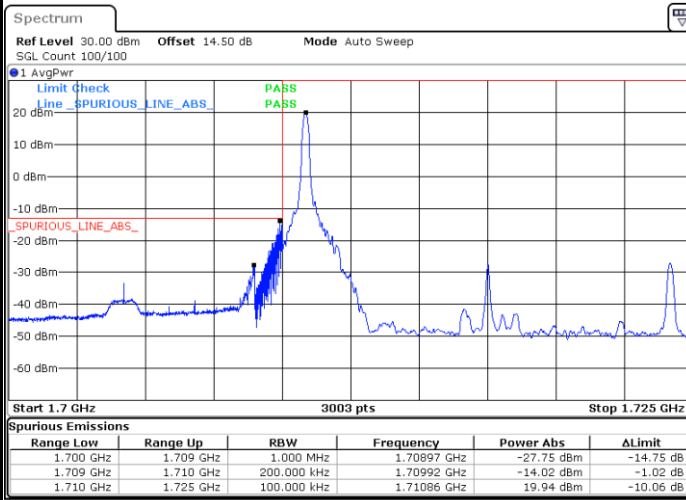
Highest Band Edge / Full RB



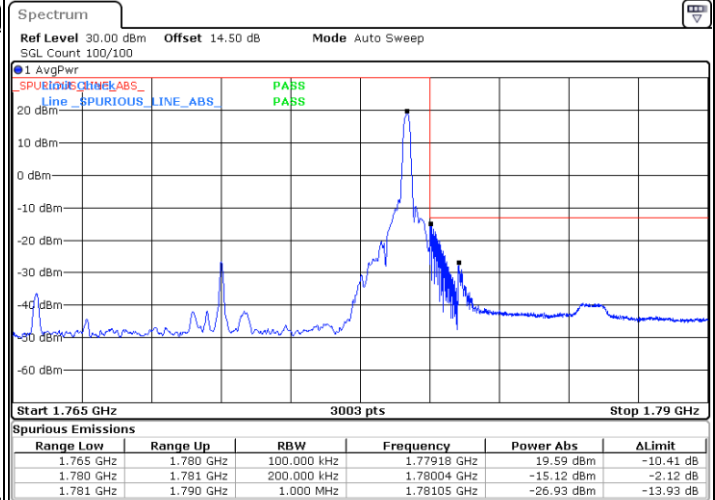


LTE Band 66 / 15MHz / QPSK

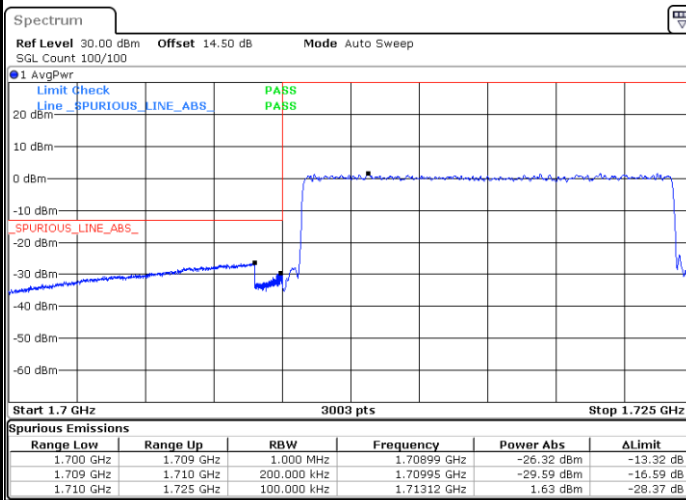
Lowest Band Edge / 1RB



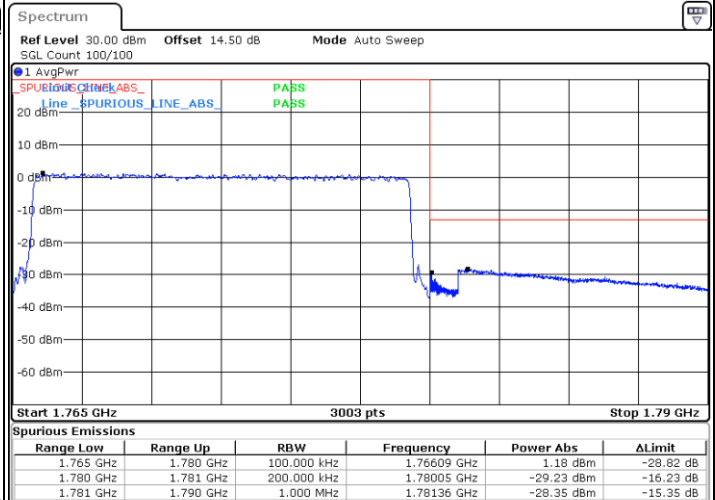
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



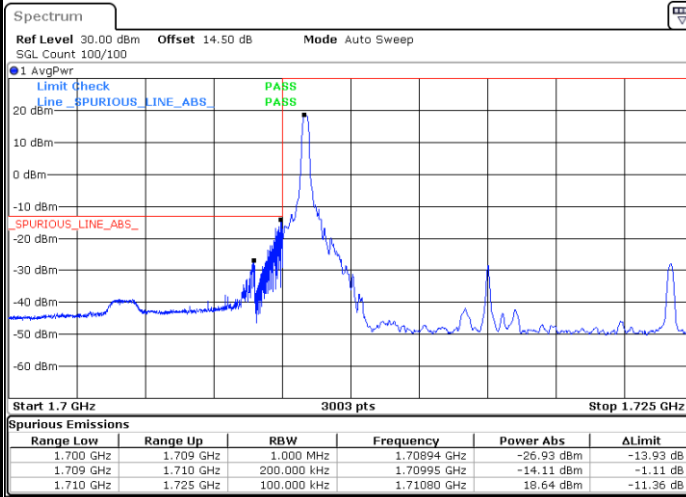
Highest Band Edge / Full RB



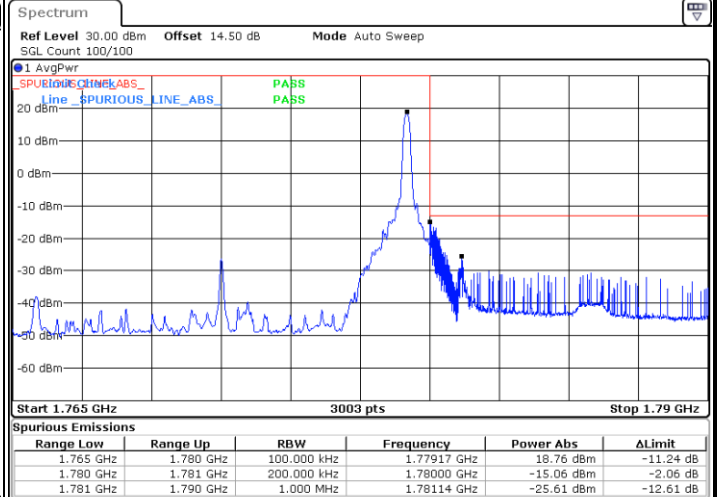


LTE Band 66 / 15MHz / 16QAM

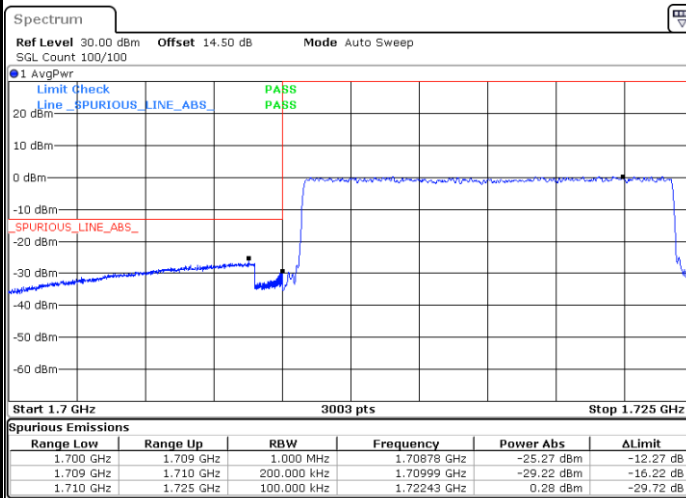
Lowest Band Edge / 1 RB



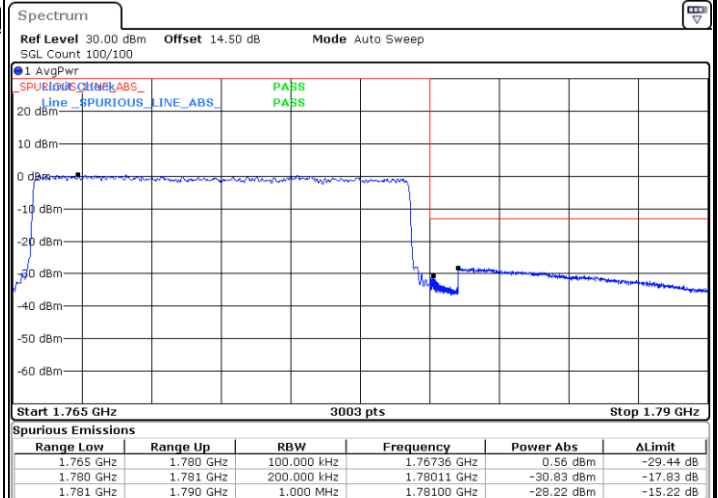
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



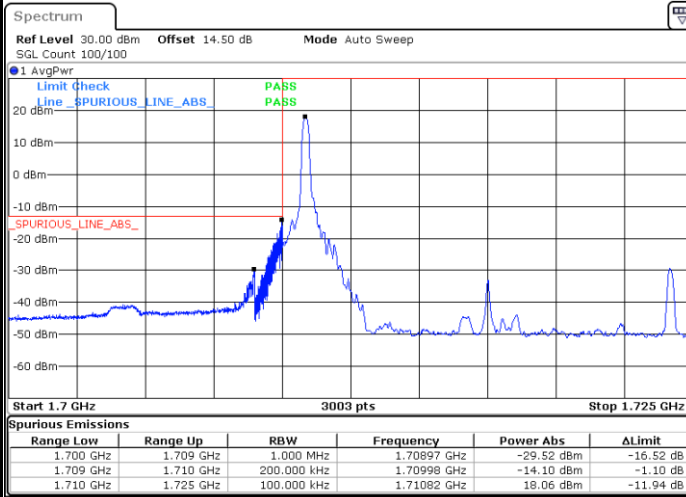
Highest Band Edge / Full RB



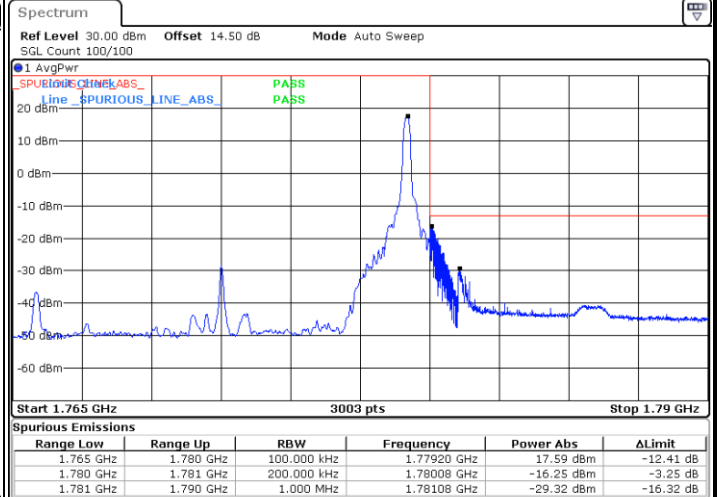


LTE Band 66 / 15MHz / 64QAM

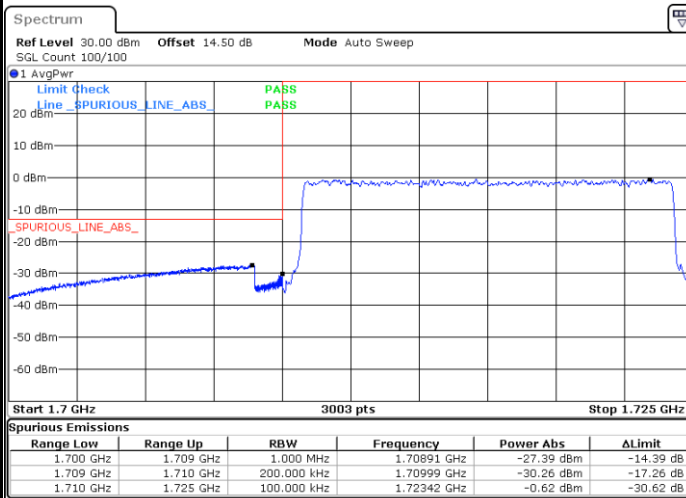
Lowest Band Edge / 1 RB



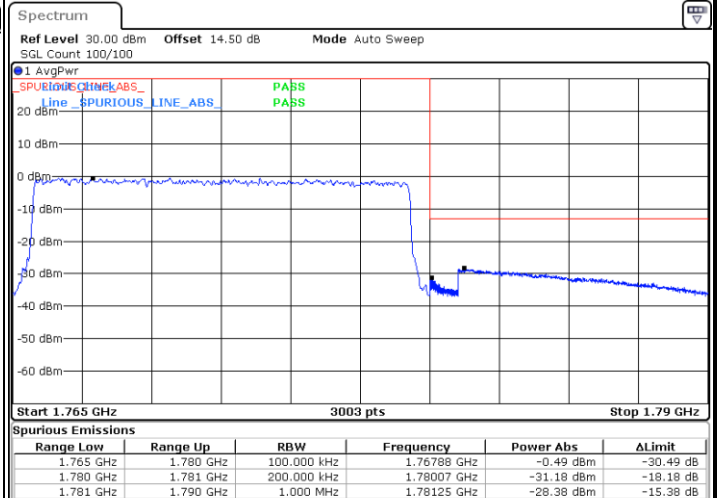
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



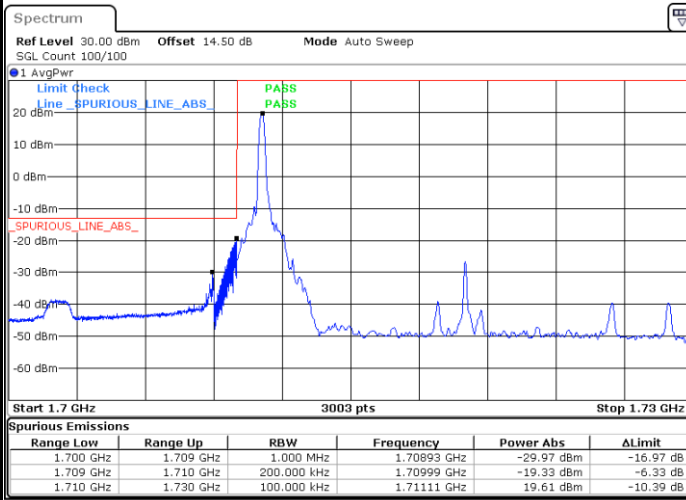
Highest Band Edge / Full RB



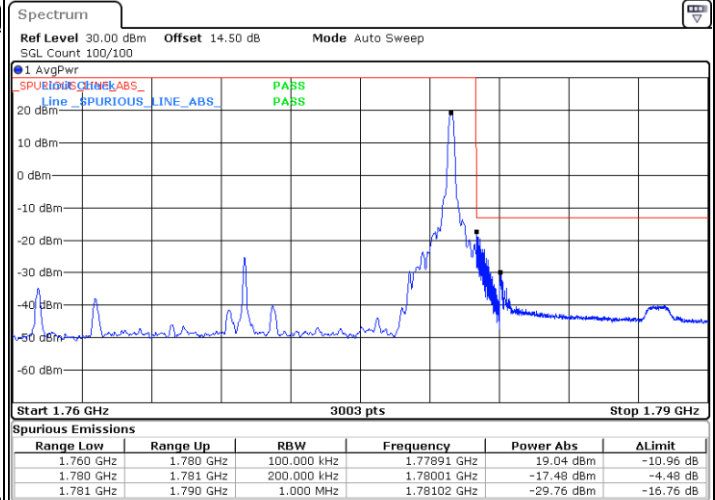


LTE Band 66 / 20MHz / QPSK

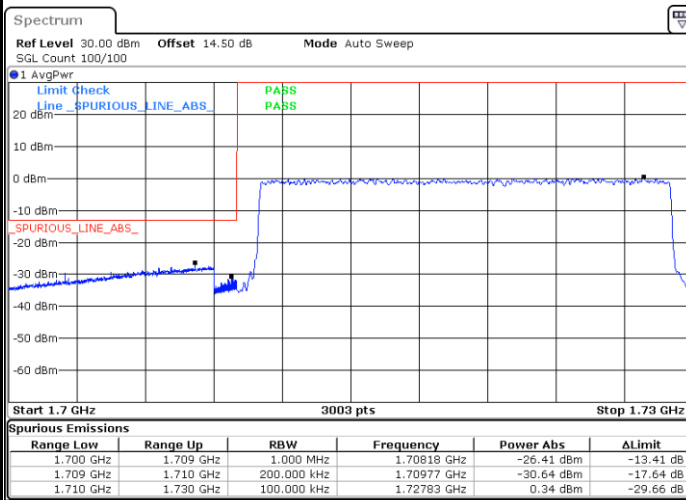
Lowest Band Edge / 1RB



Highest Band Edge / 1RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

