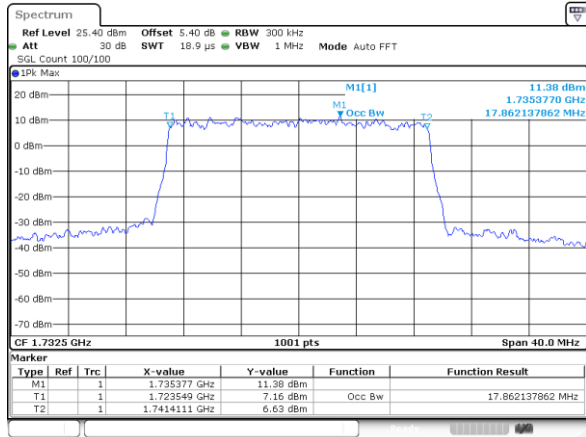


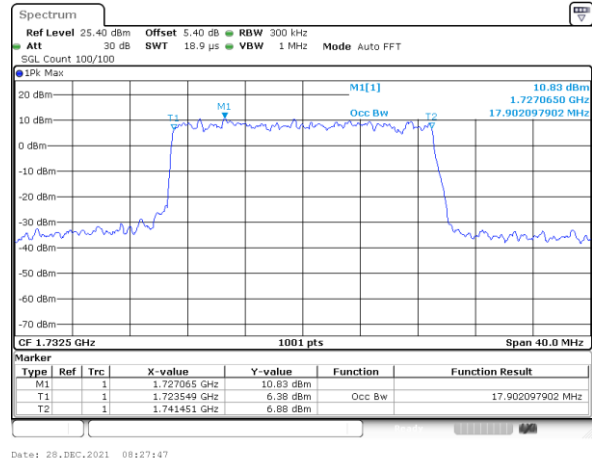


LTE Band 4

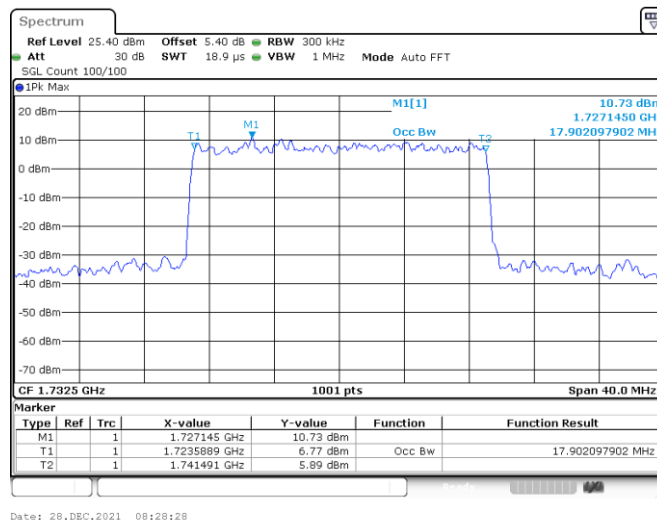
Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



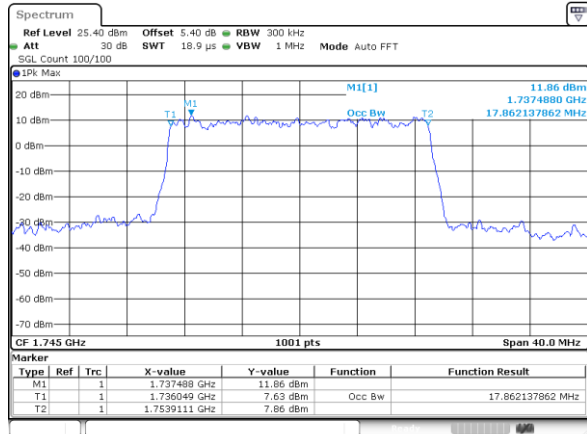
Middle Channel / 20MHz / 64QAM



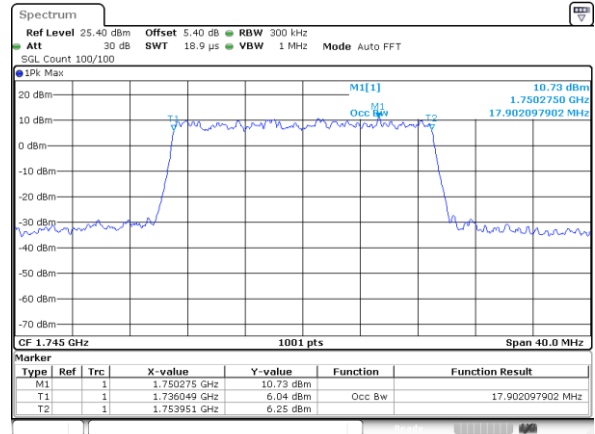


LTE Band 4

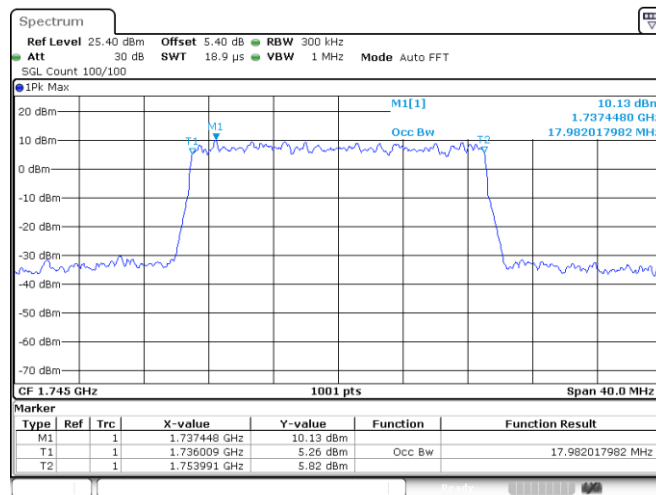
Highest Channel / 20MHz / QPSK

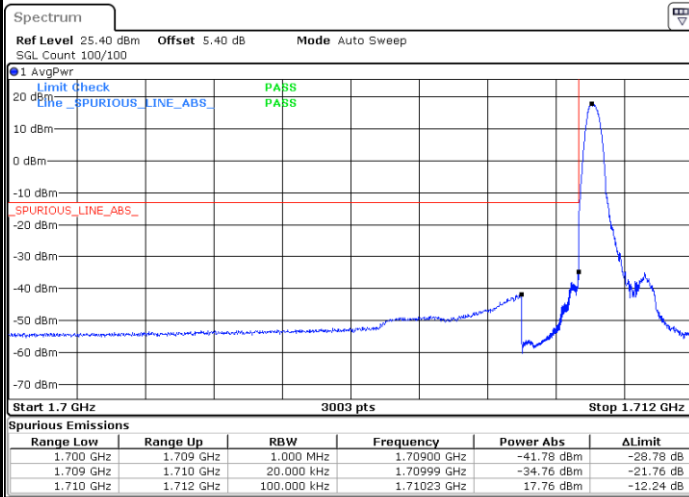
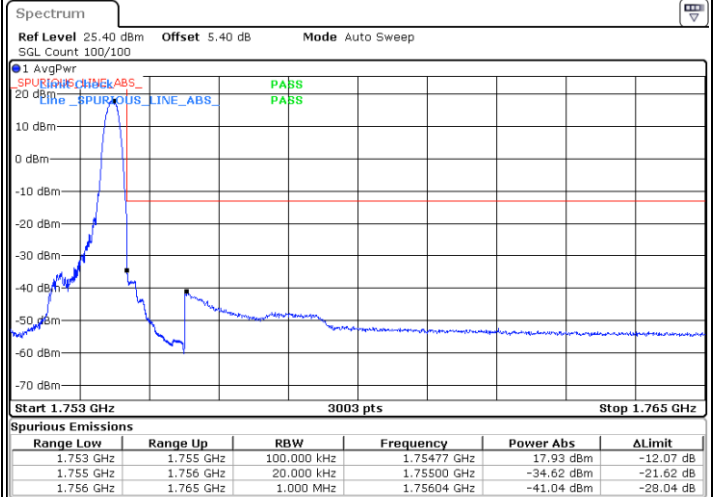
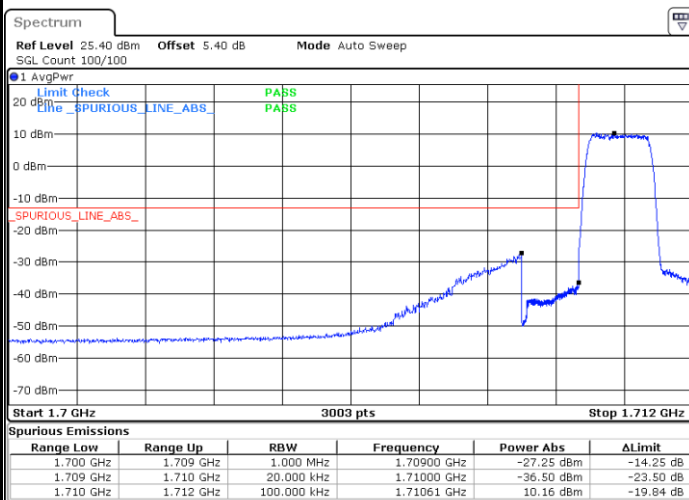
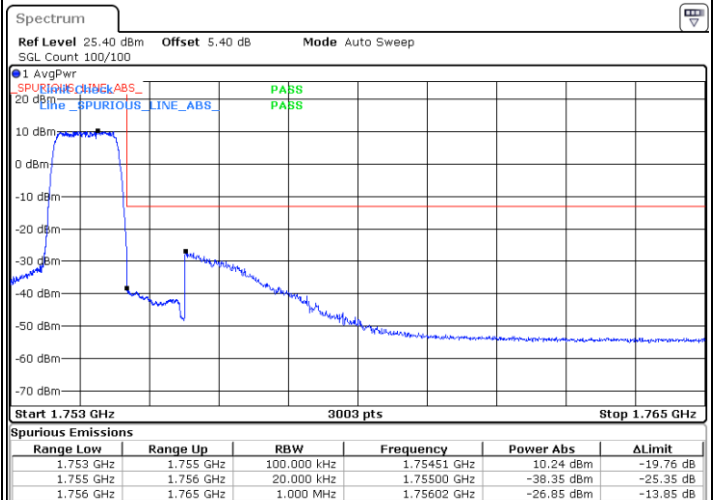


Highest Channel / 20MHz / 16QAM



Highest Channel / 20MHz / 64QAM

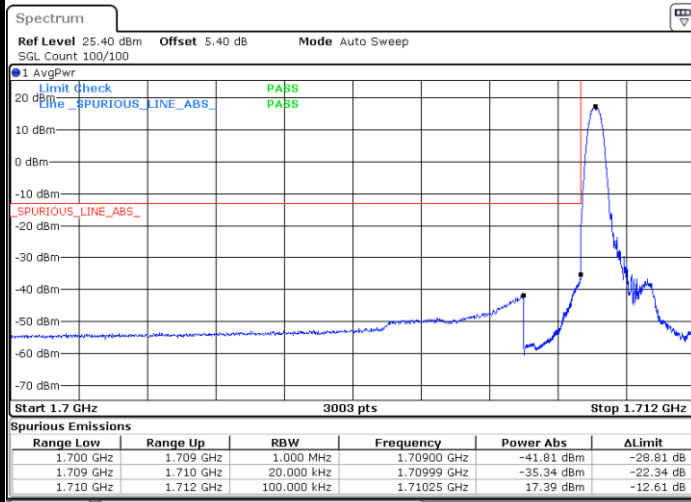


**Conducted Band Edge****LTE Band 4 / 1.4MHz / QPSK****Lowest Band Edge / 1RB****Highest Band Edge / 1RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

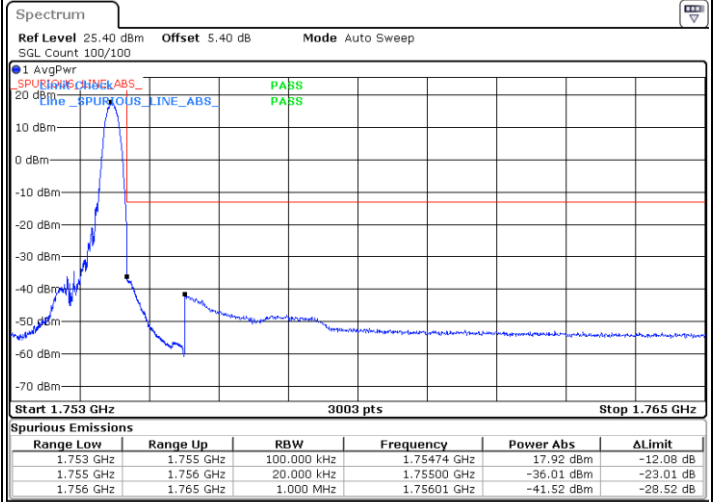


LTE Band 4 / 1.4MHz / 16QAM

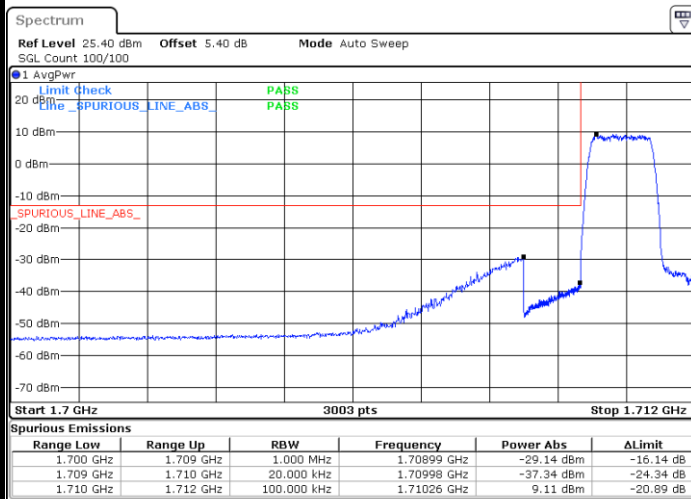
Lowest Band Edge / 1 RB



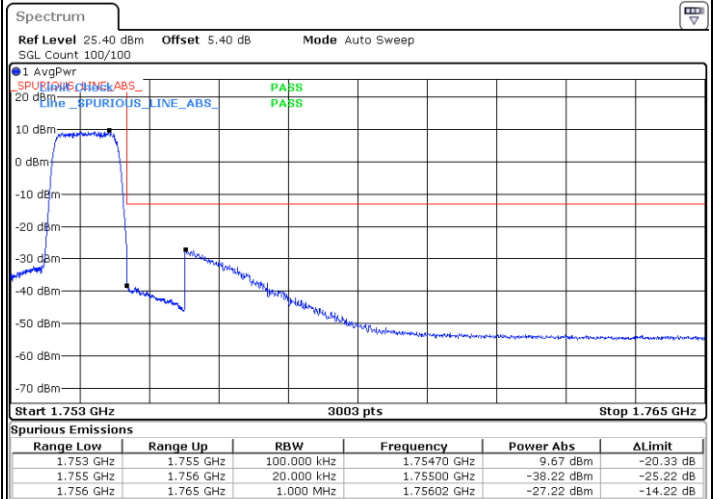
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



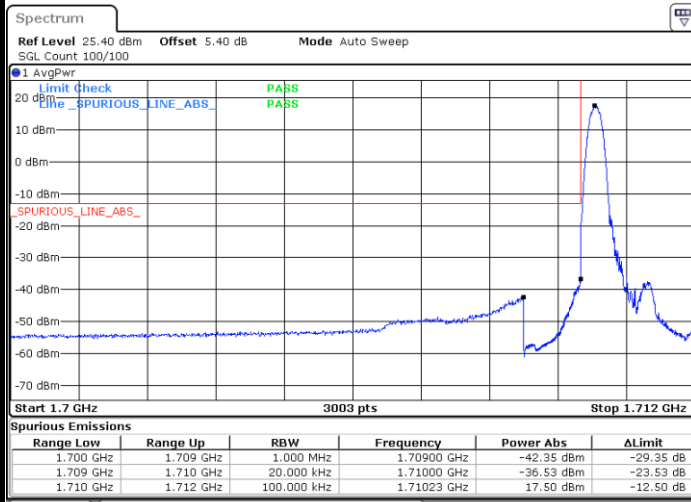
Highest Band Edge / Full RB



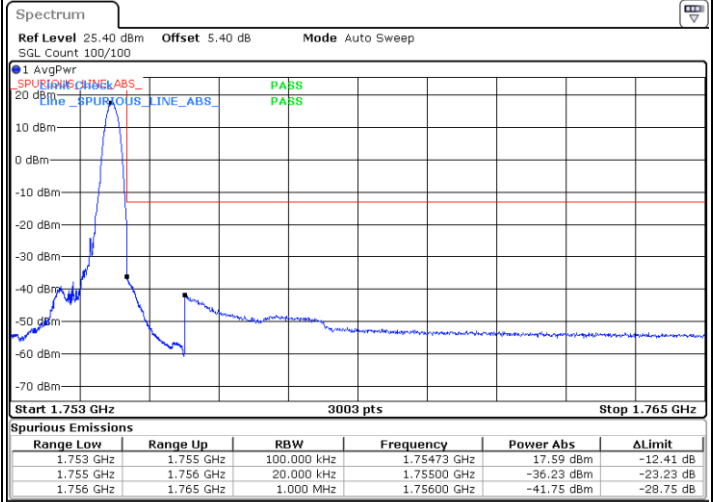


LTE Band 4 / 1.4MHz / 64QAM

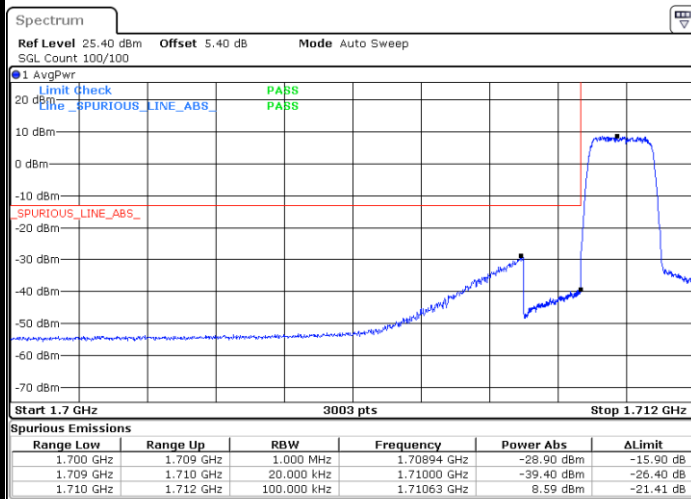
Lowest Band Edge / 1 RB



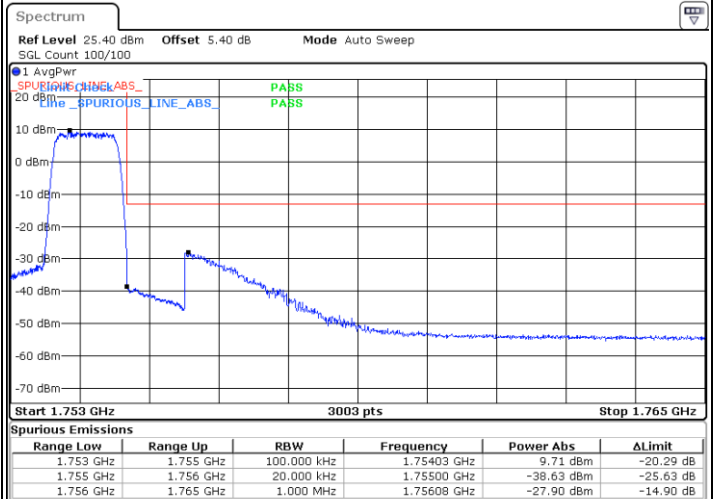
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



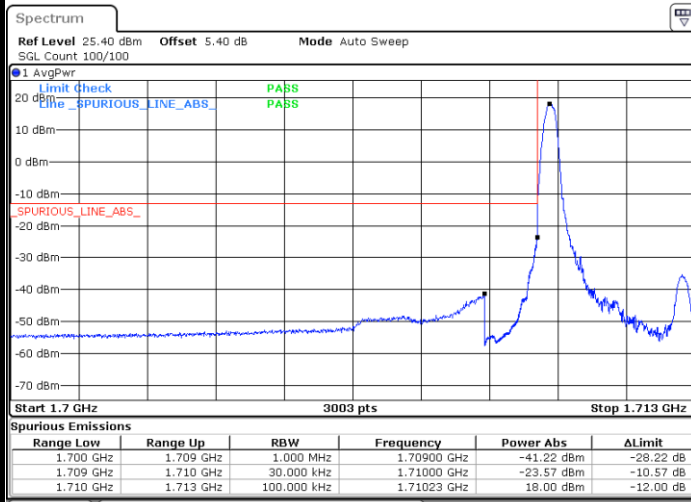
Highest Band Edge / Full RB



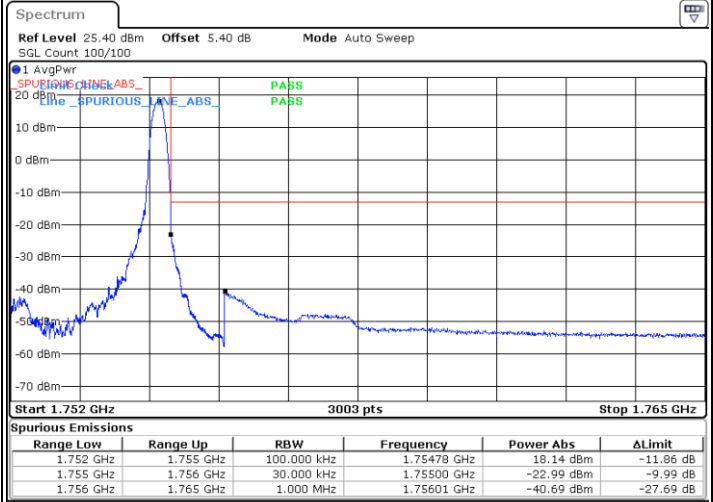


LTE Band 4 / 3MHz / QPSK

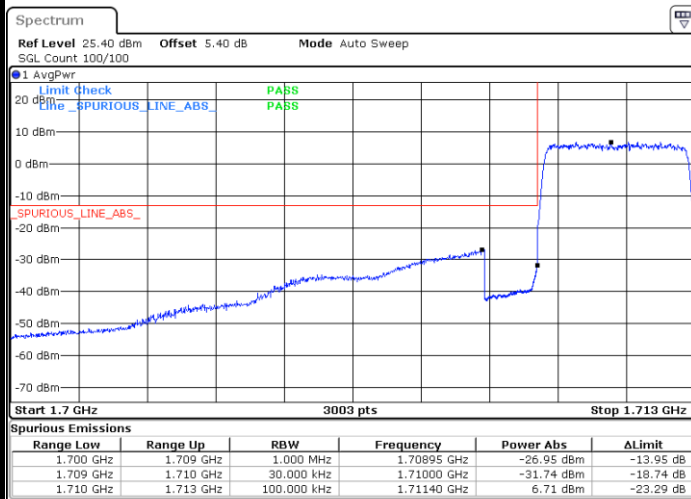
Lowest Band Edge / 1RB



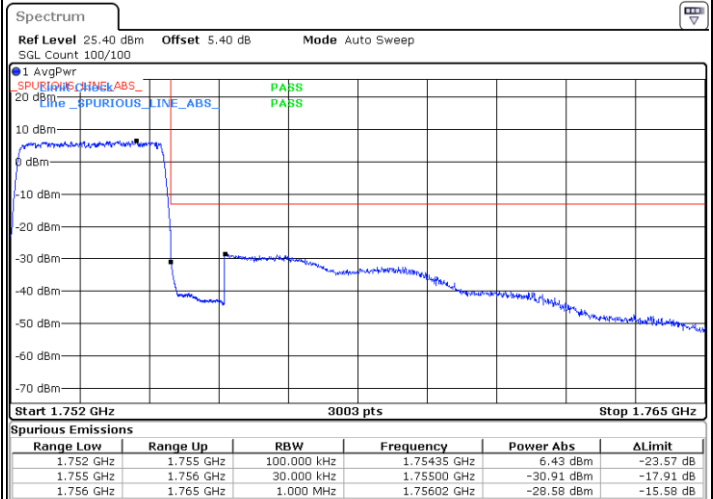
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



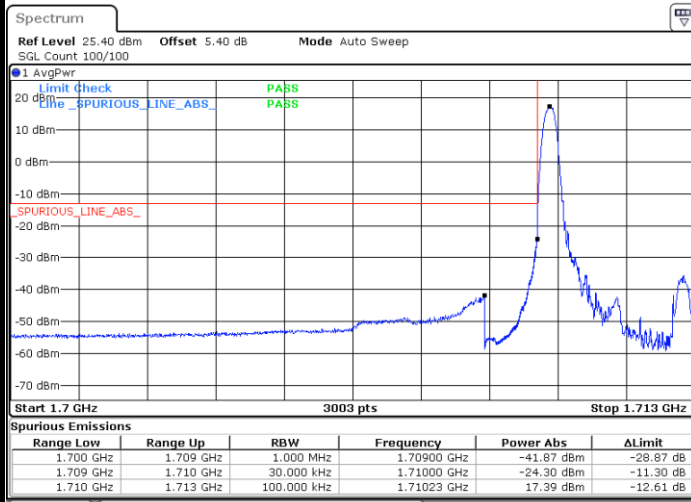
Highest Band Edge / Full RB



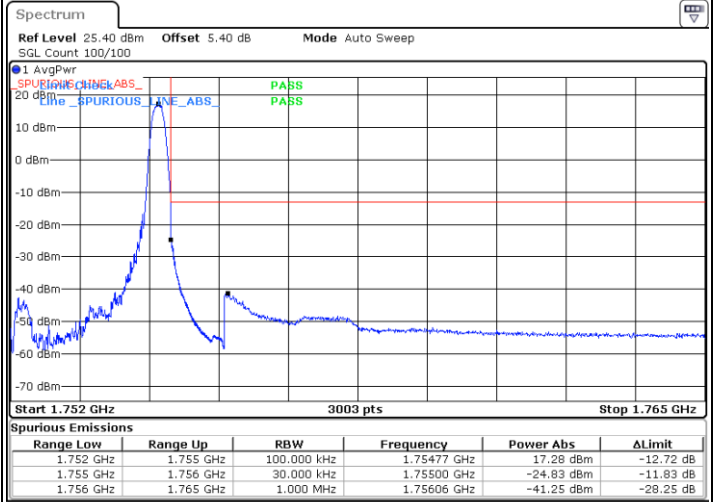


LTE Band 4 / 3MHz / 16QAM

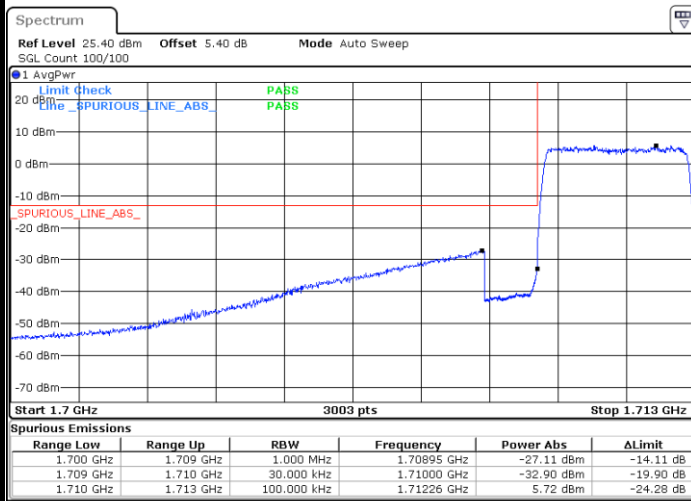
Lowest Band Edge / 1 RB



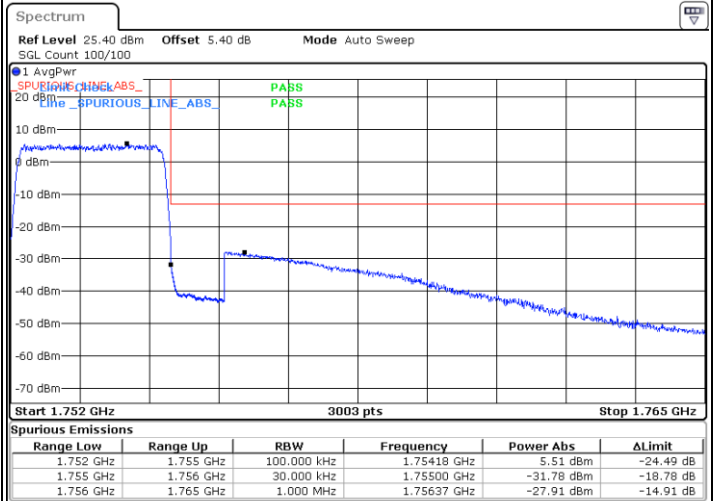
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



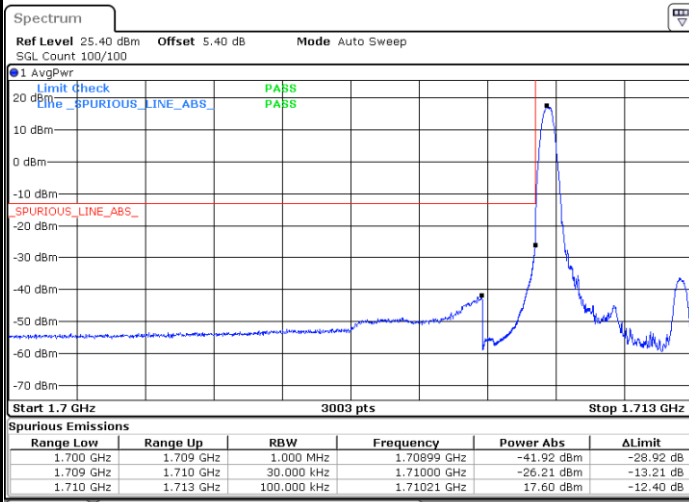
Highest Band Edge / Full RB



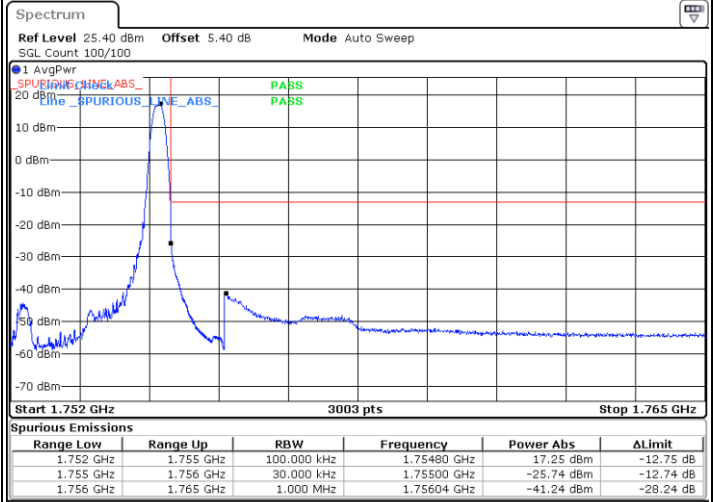


LTE Band 4 / 3MHz / 64QAM

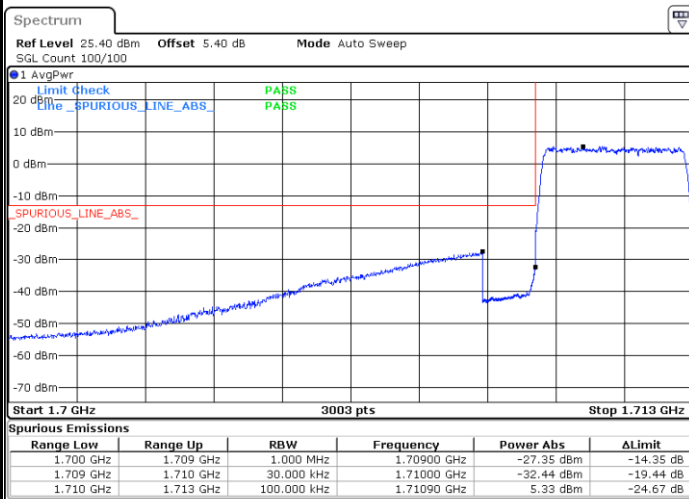
Lowest Band Edge / 1 RB



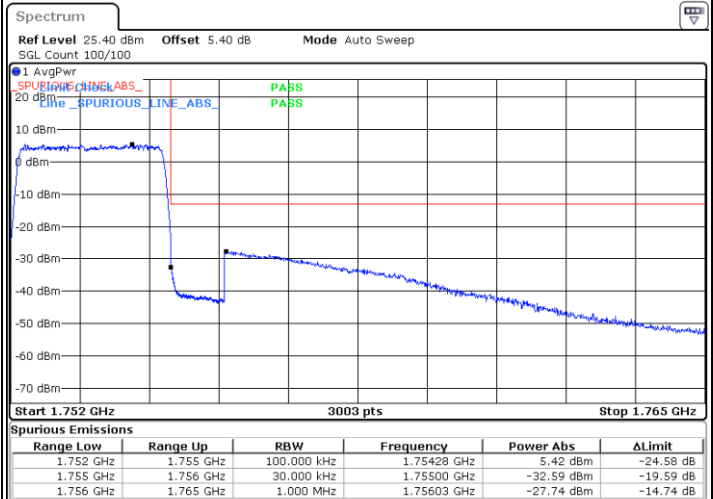
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



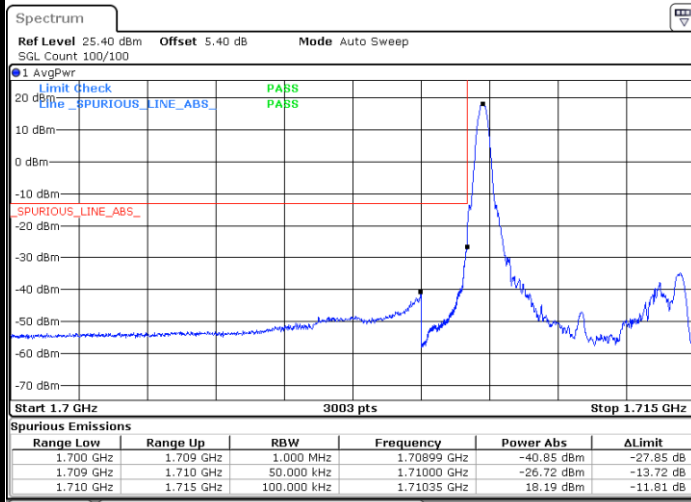
Highest Band Edge / Full RB



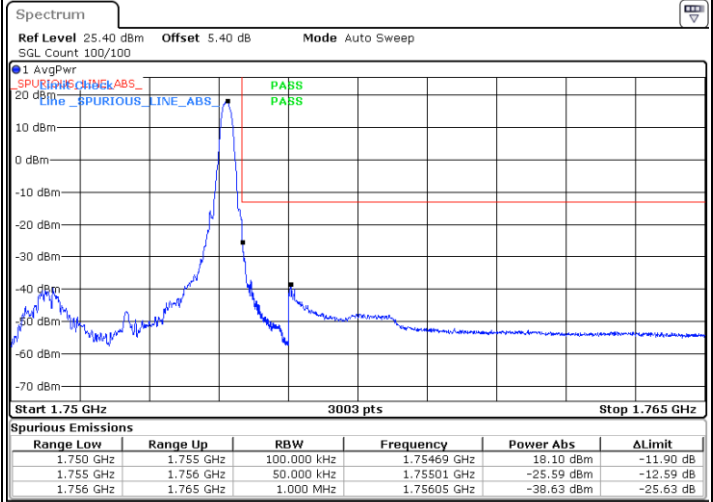


LTE Band 4 / 5MHz / QPSK

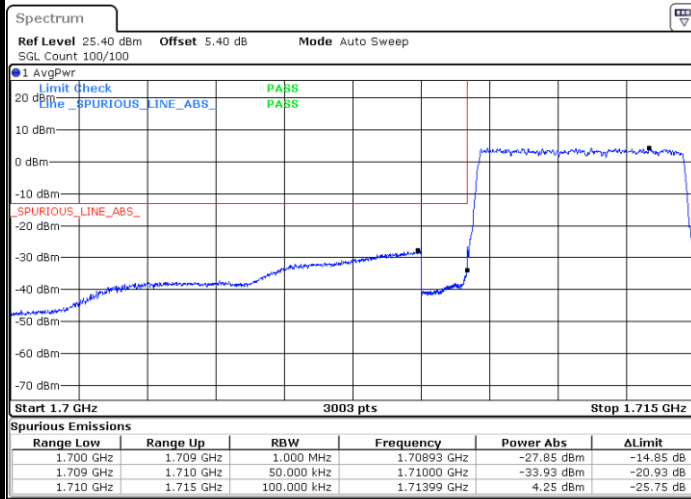
Lowest Band Edge / 1 RB



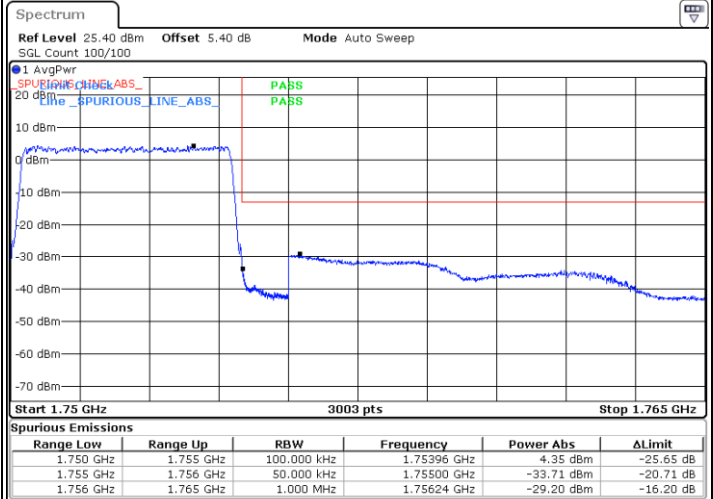
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



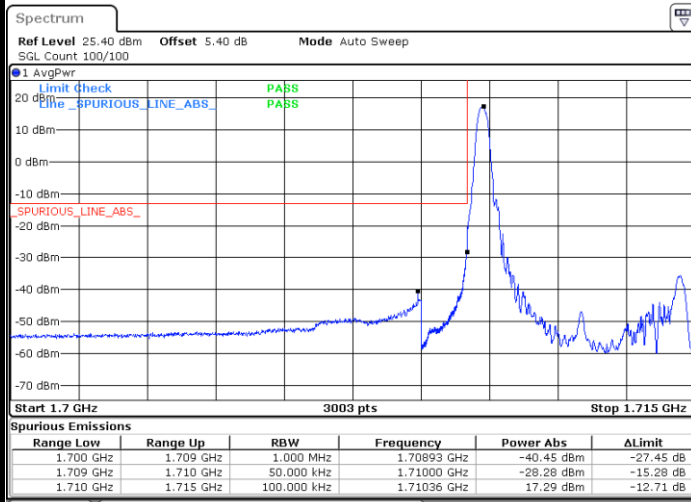
Highest Band Edge / Full RB



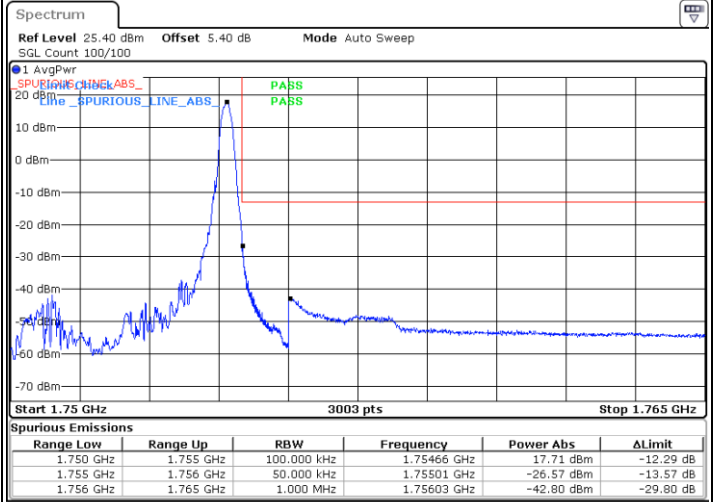


LTE Band 4 / 5MHz / 16QAM

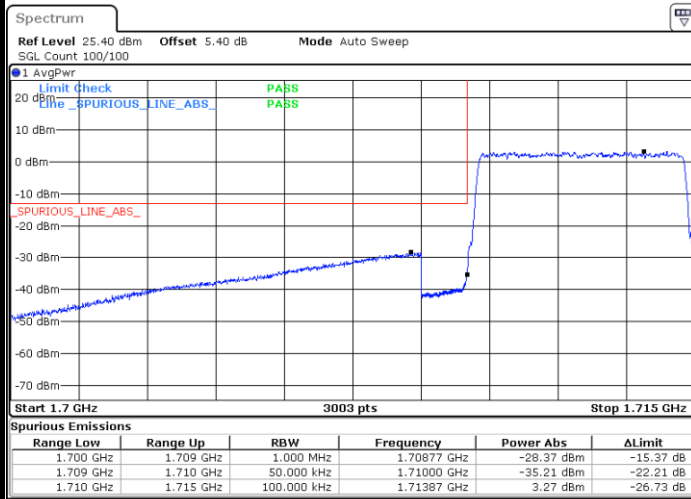
Lowest Band Edge / 1RB



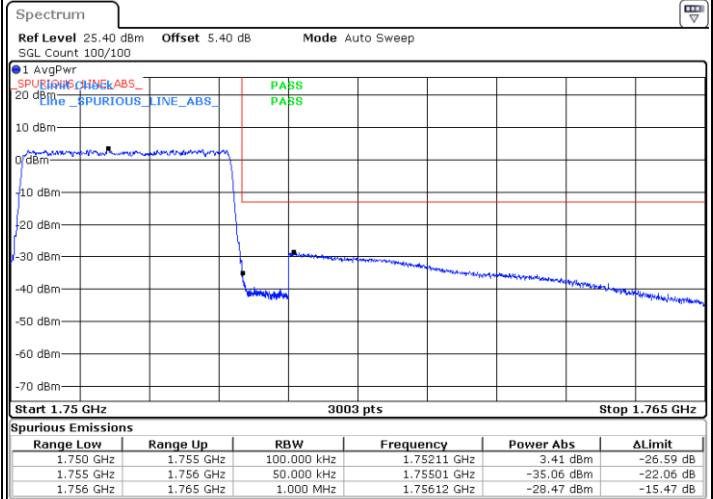
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



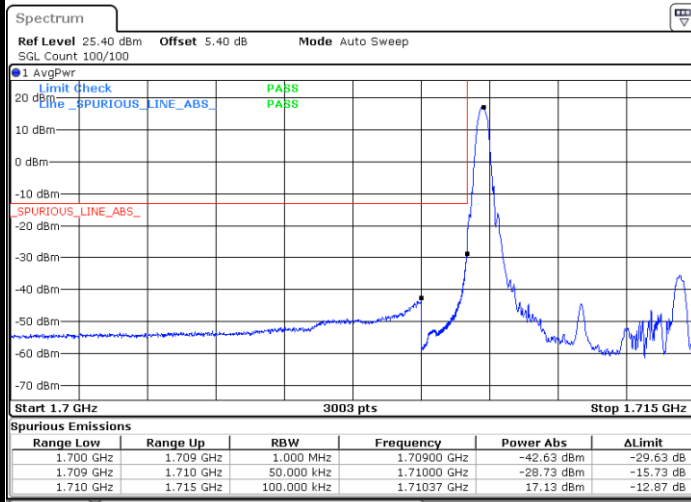
Highest Band Edge / Full RB



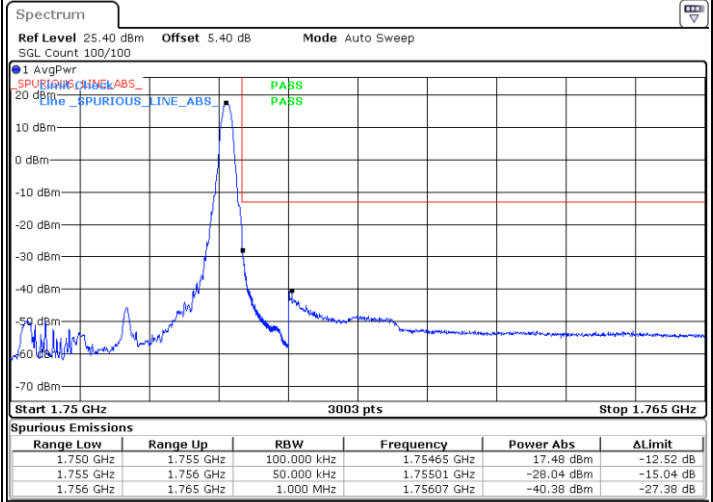


LTE Band 4 / 5MHz / 64QAM

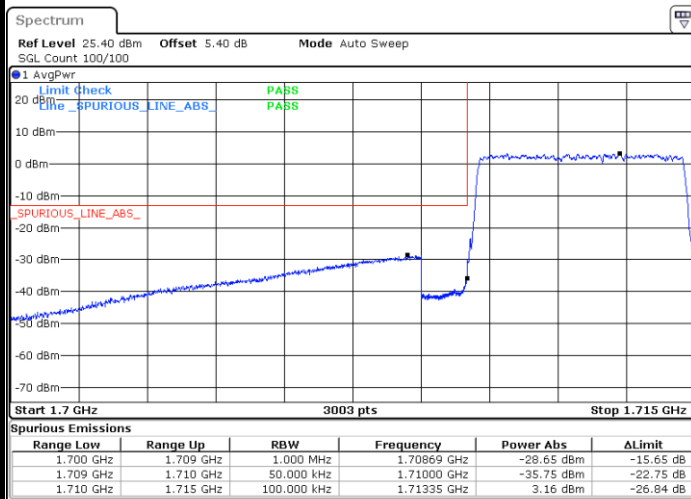
Lowest Band Edge / 1RB



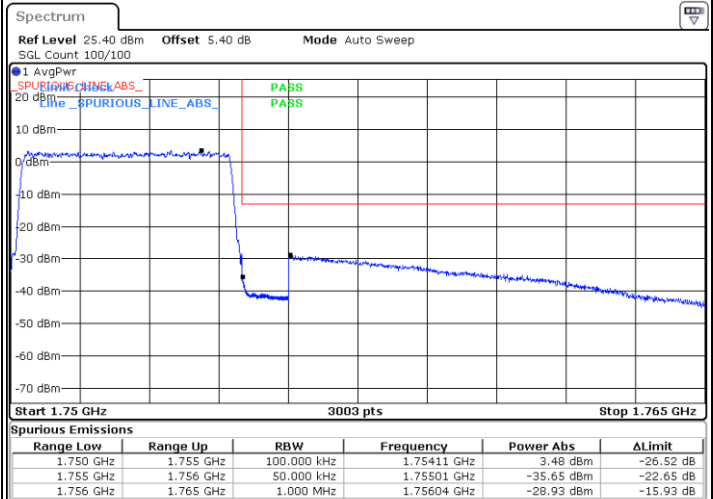
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



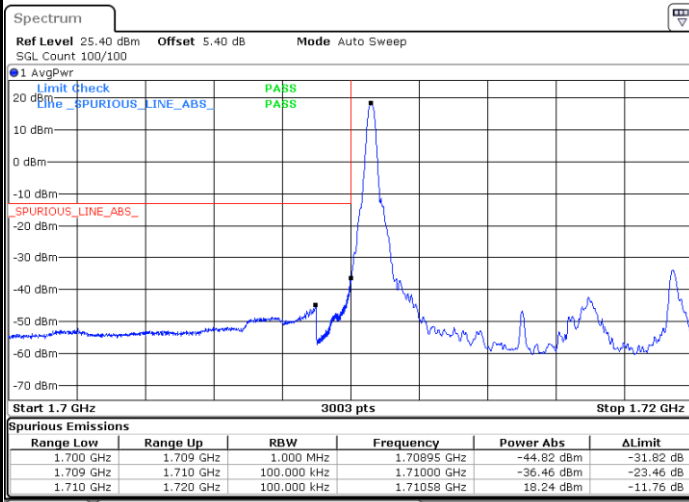
Highest Band Edge / Full RB



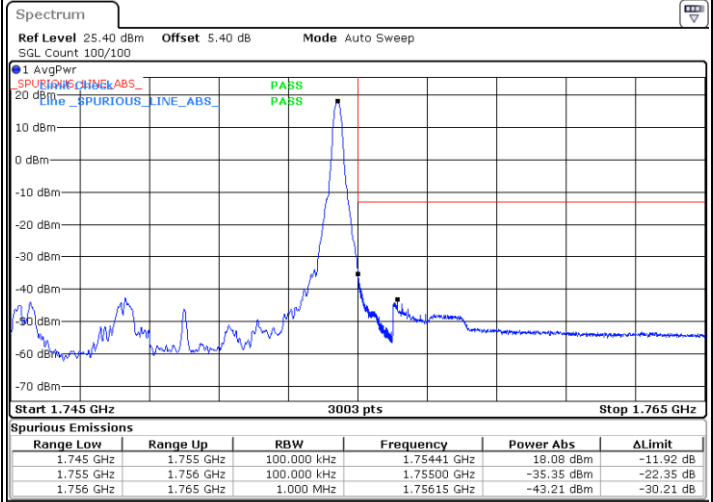


LTE Band 4 / 10MHz / QPSK

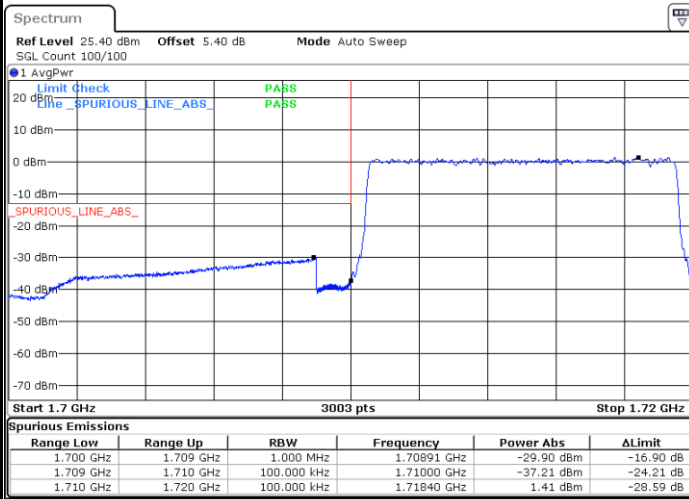
Lowest Band Edge / 1 RB



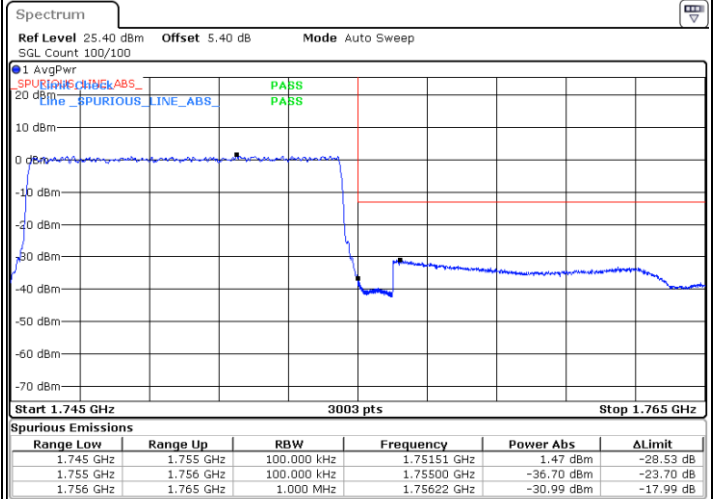
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



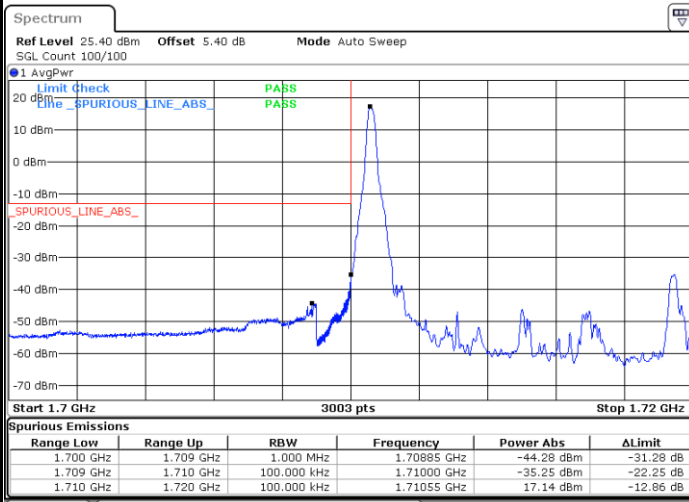
Highest Band Edge / Full RB



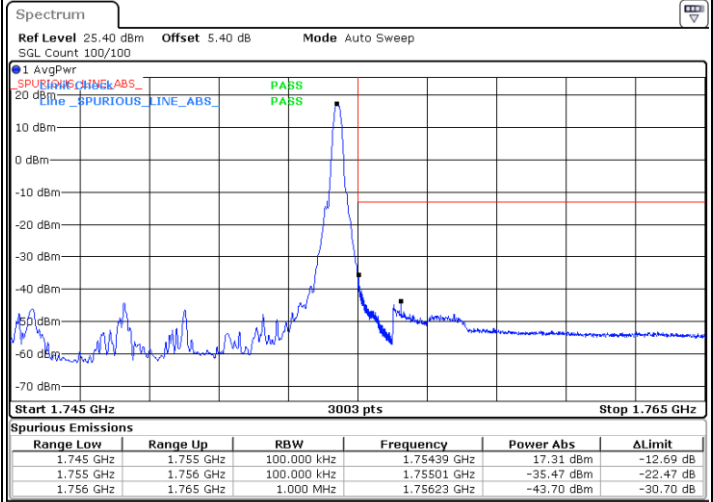


LTE Band 4 / 10MHz / 16QAM

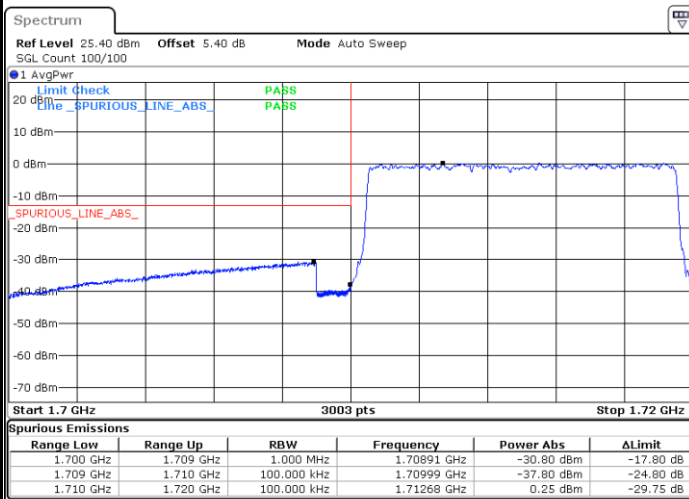
Lowest Band Edge / 1 RB



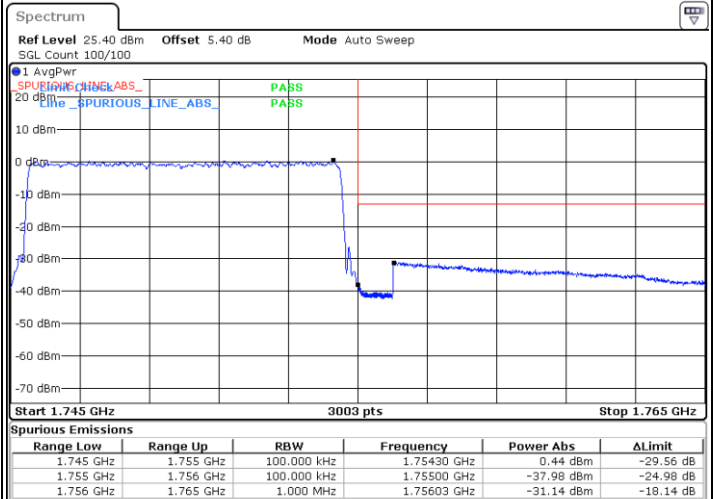
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



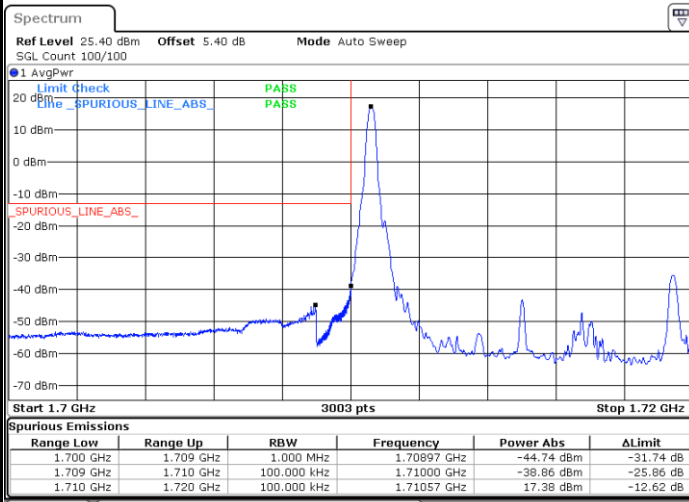
Highest Band Edge / Full RB



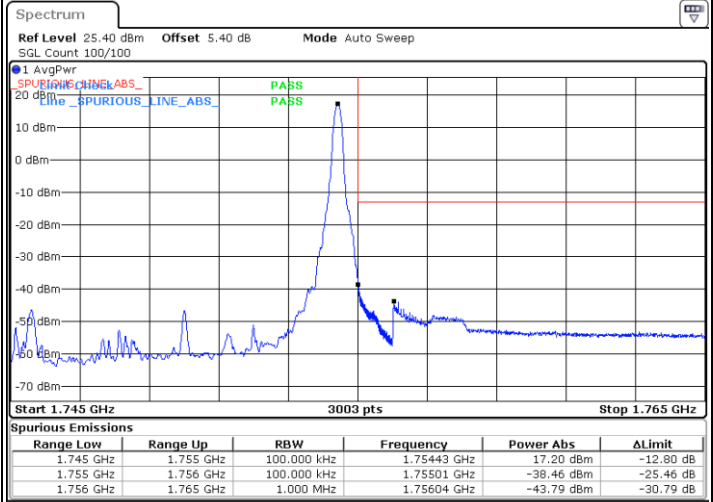


LTE Band 4 / 10MHz / 64QAM

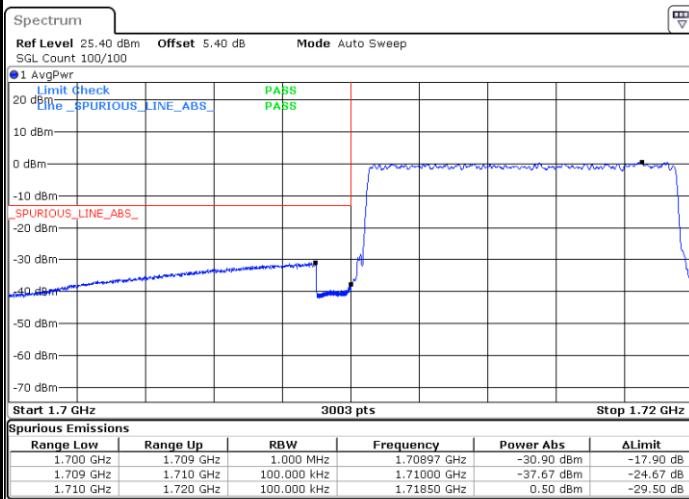
Lowest Band Edge / 1 RB



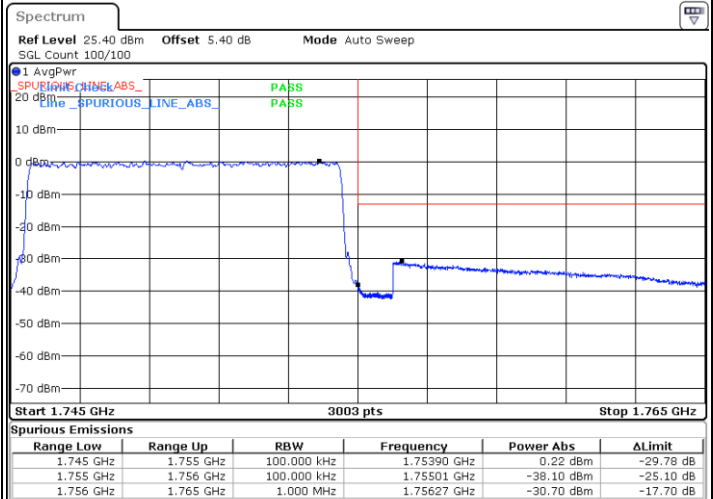
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



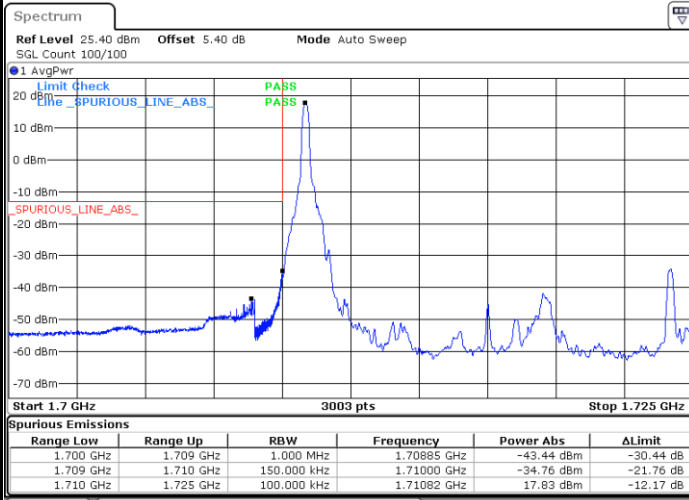
Highest Band Edge / Full RB



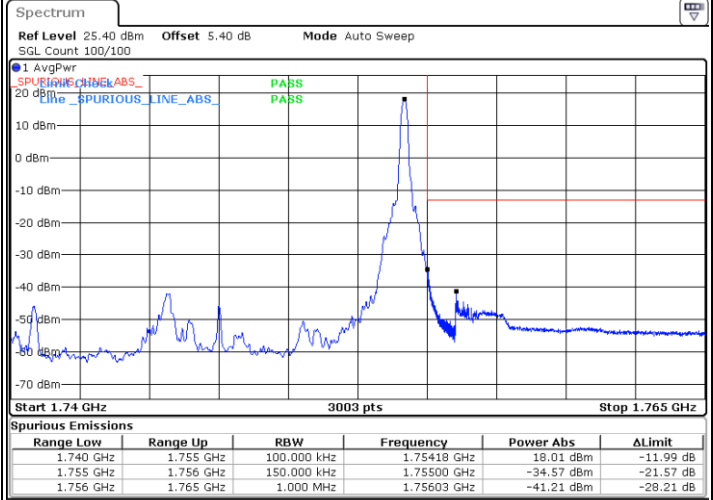


LTE Band 4 / 15MHz / QPSK

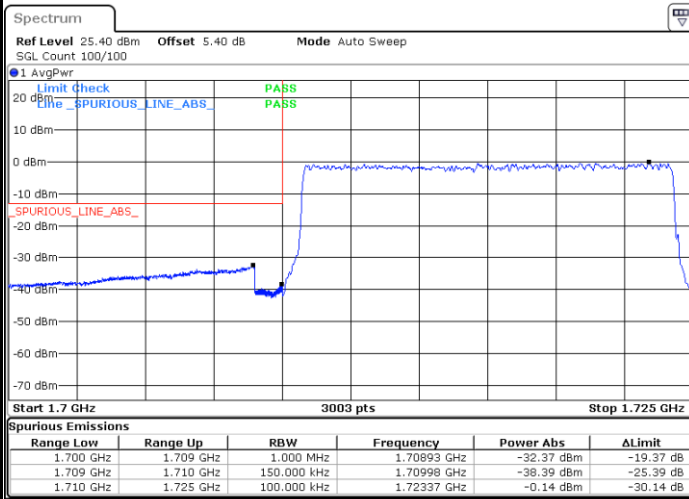
Lowest Band Edge / 1 RB



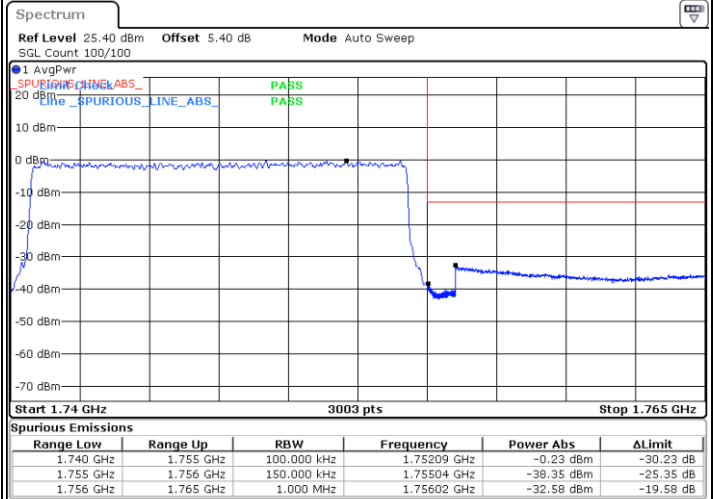
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



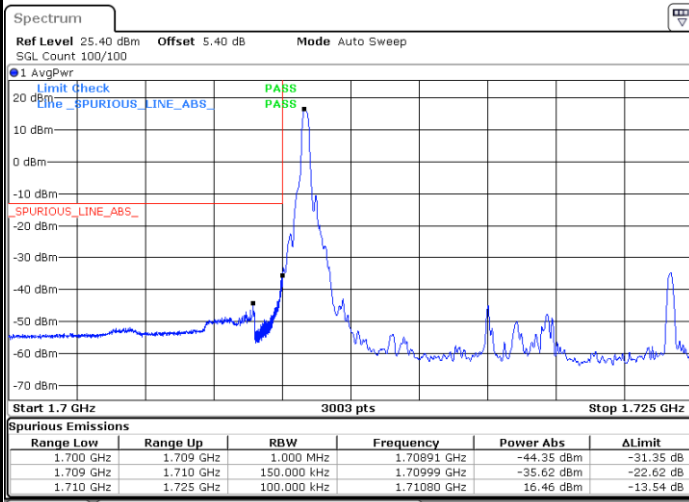
Highest Band Edge / Full RB



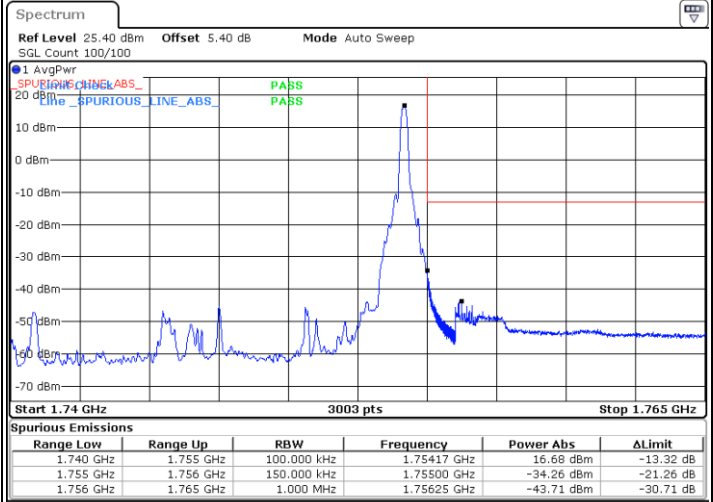


LTE Band 4 / 15MHz / 16QAM

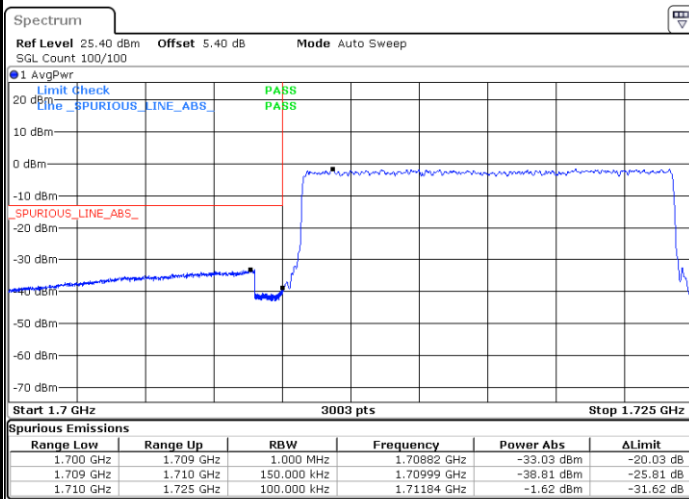
Lowest Band Edge / 1 RB



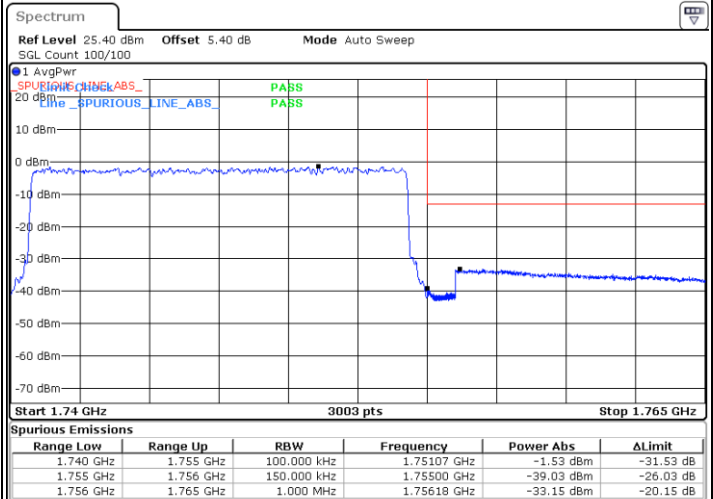
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



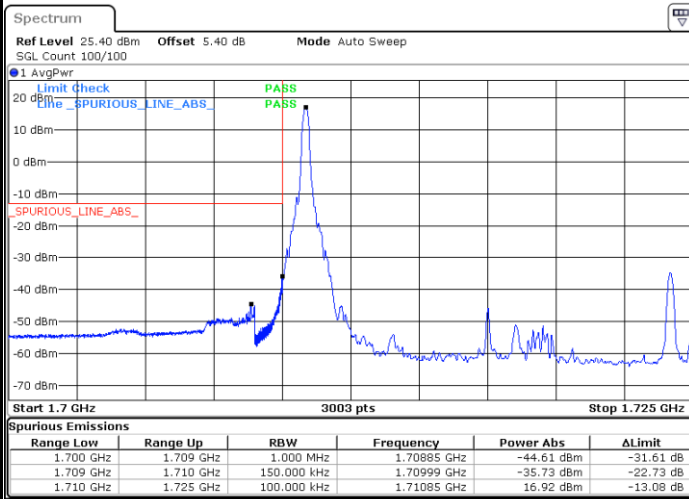
Highest Band Edge / Full RB



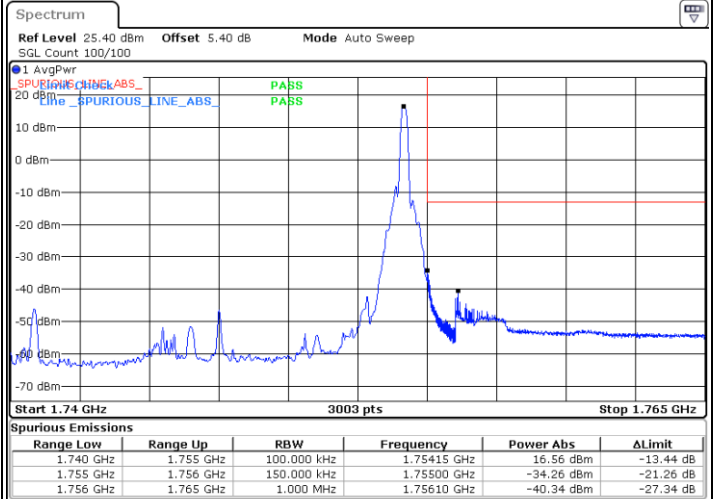


LTE Band 4 / 15MHz / 64QAM

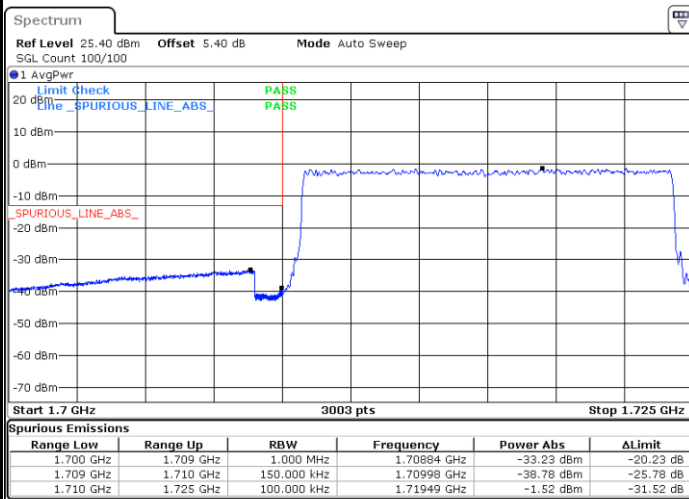
Lowest Band Edge / 1 RB



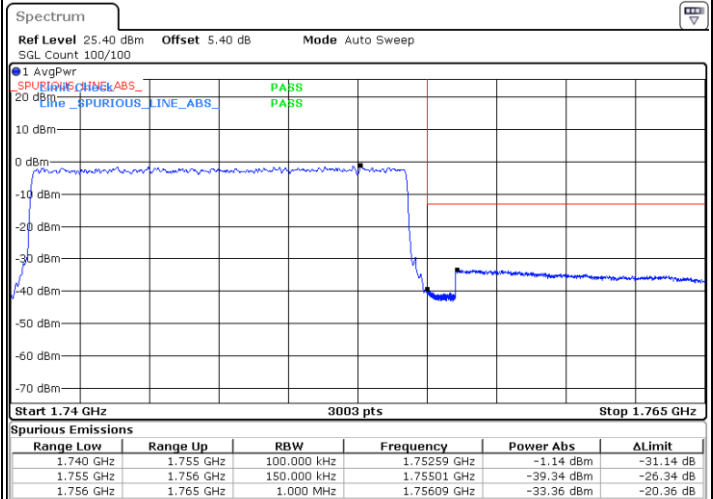
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



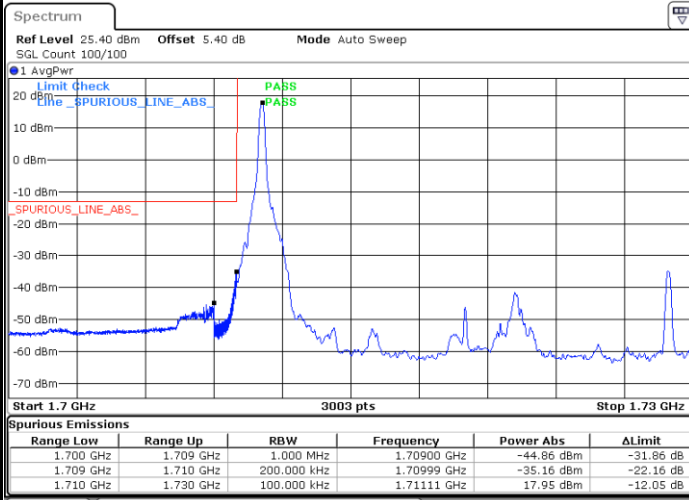
Highest Band Edge / Full RB



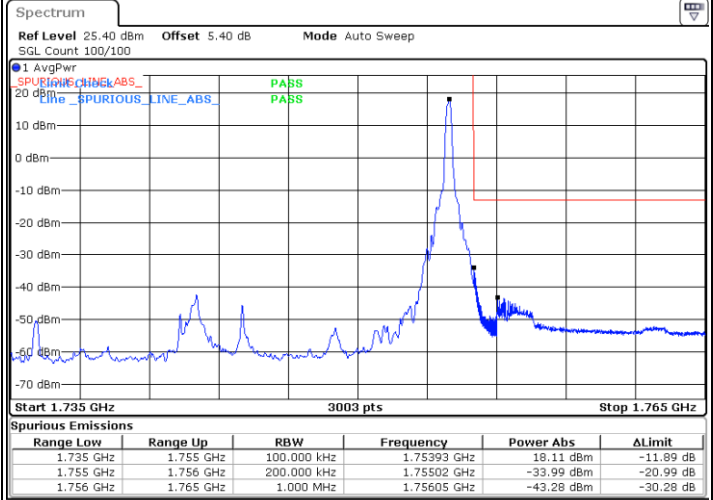


LTE Band 4 / 20MHz / QPSK

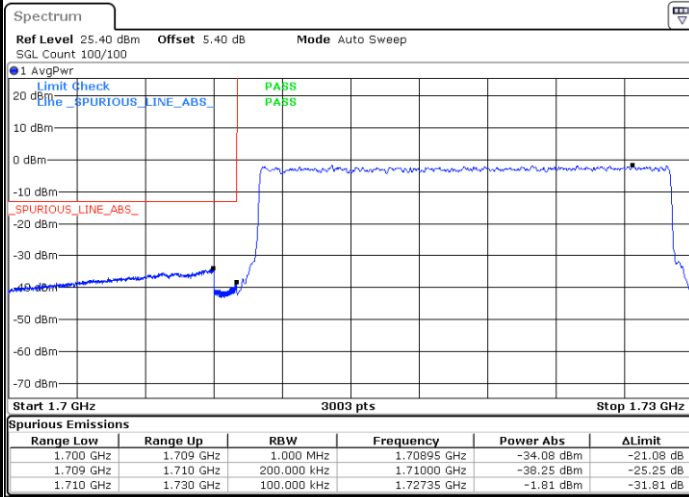
Lowest Band Edge / 1 RB



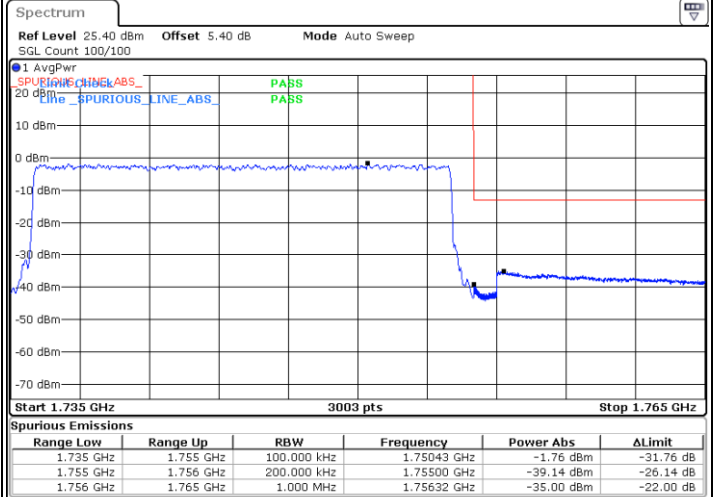
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



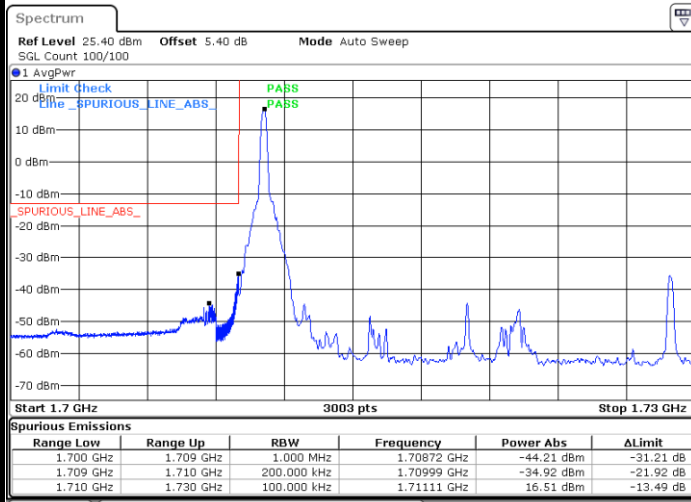
Highest Band Edge / Full RB



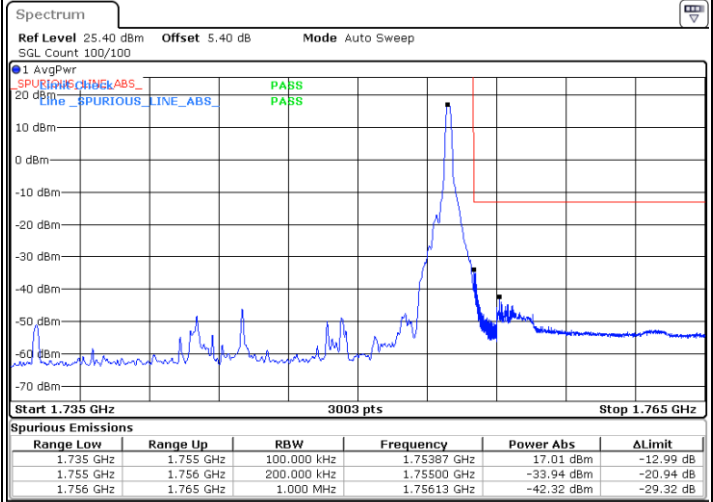


LTE Band 4 / 20MHz / 16QAM

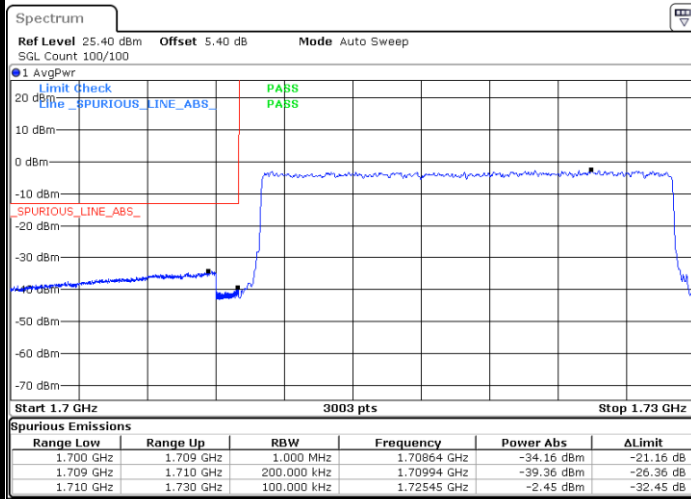
Lowest Band Edge / 1 RB



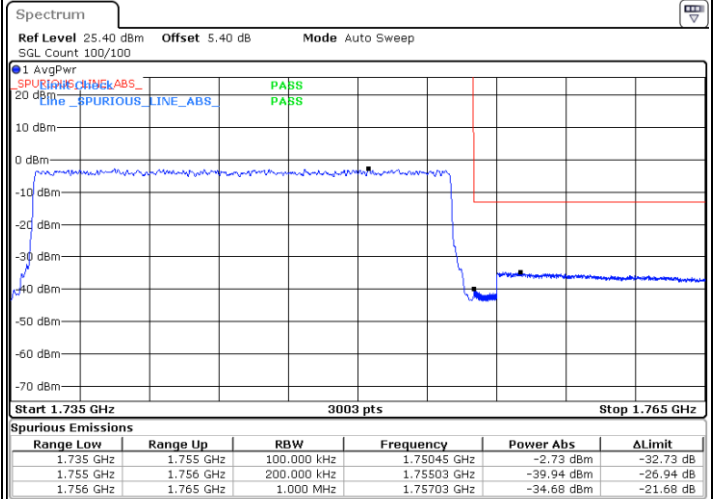
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



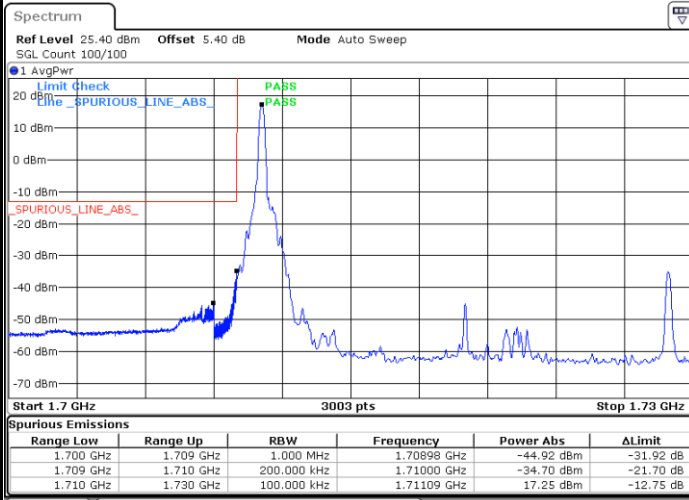
Highest Band Edge / Full RB



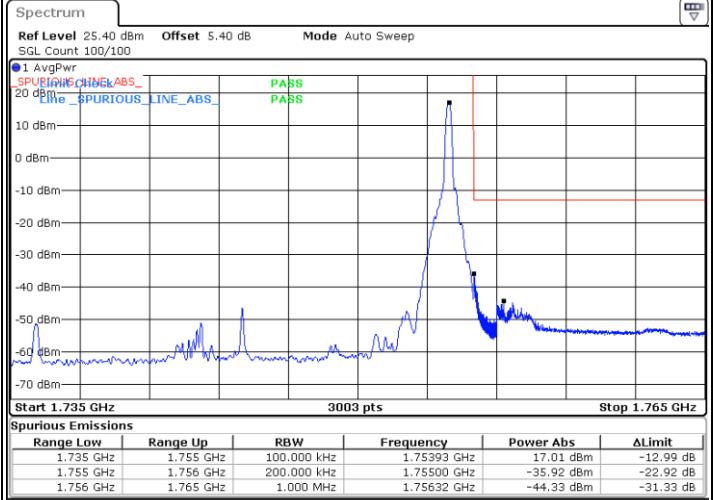


LTE Band 4 / 20MHz / 64QAM

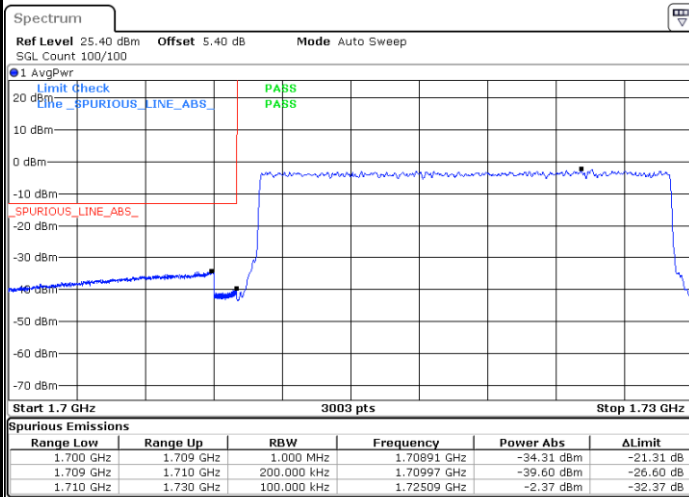
Lowest Band Edge / 1 RB



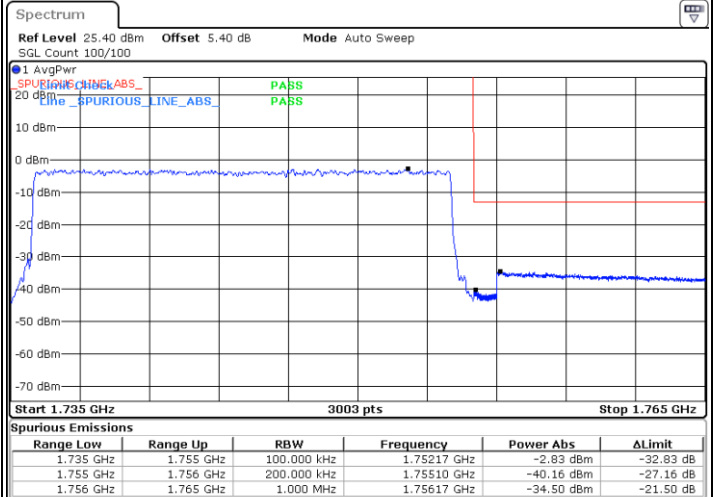
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

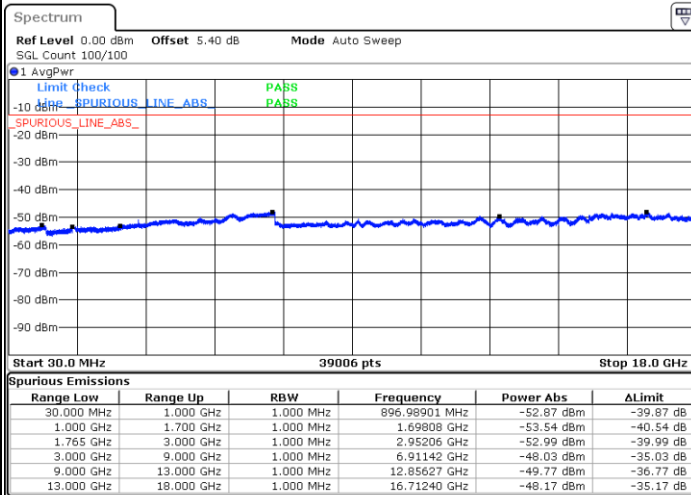




Conducted Spurious Emission

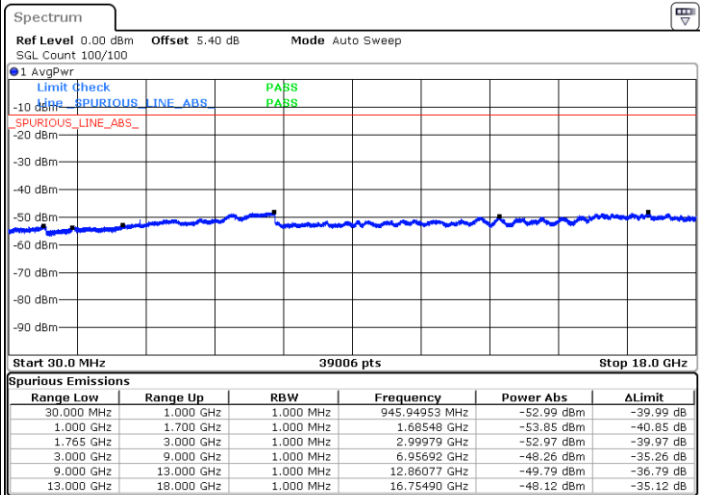
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



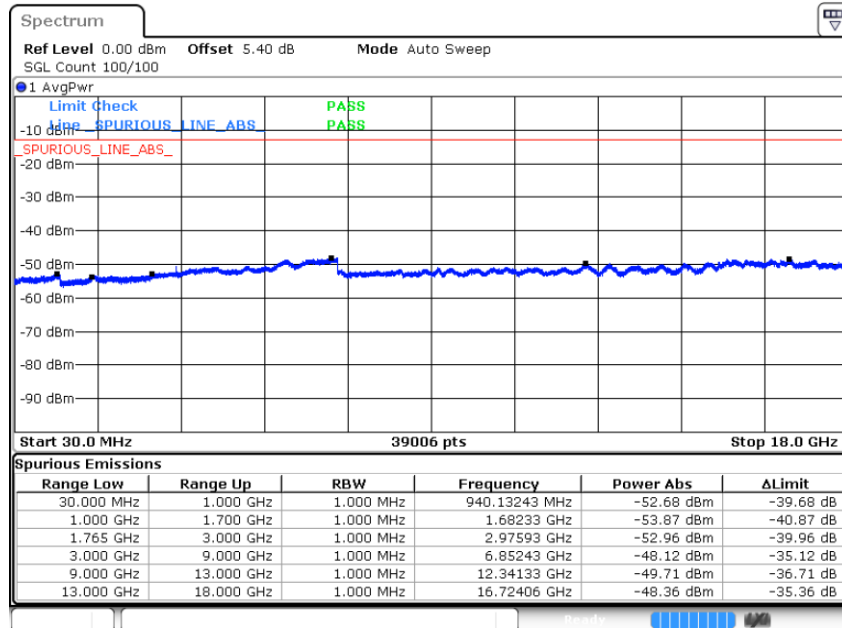
Date: 16 DEC 2021 23:39:11

Middle Channel / QPSK



Date: 16 DEC 2021 23:49:43

Highest Channel / QPSK

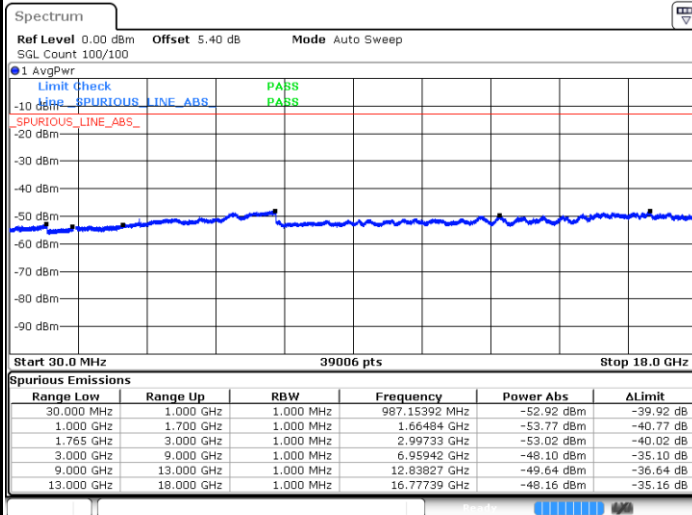


Date: 16 DEC 2021 23:50:38



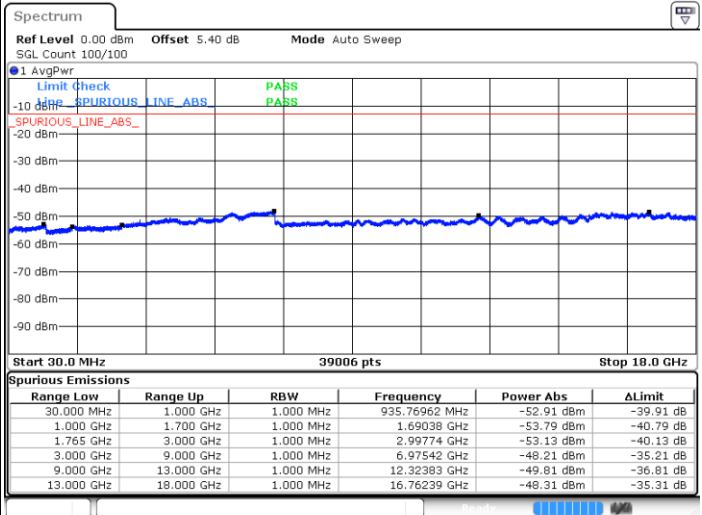
LTE Band 4 / 3MHz

Lowest Channel / QPSK



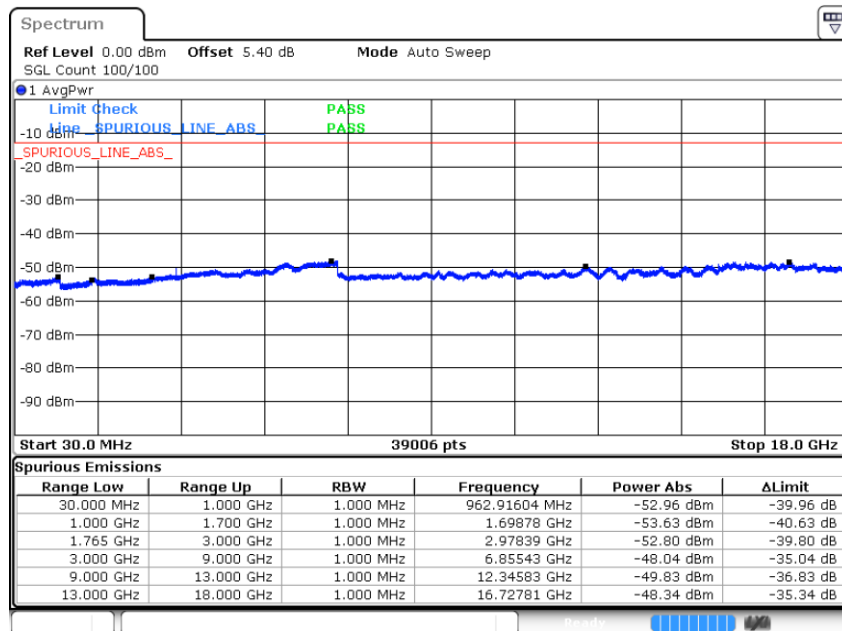
Date: 17 DEC 2021 00:01:22

Middle Channel / QPSK



Date: 17 DEC 2021 00:11:54

Highest Channel / QPSK

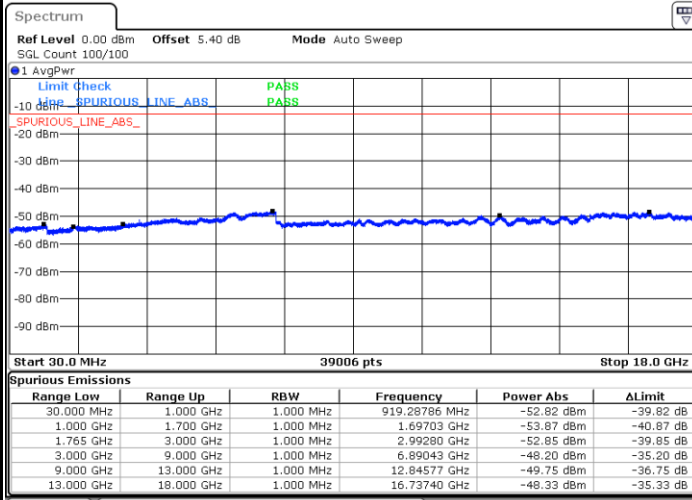


Date: 17 DEC 2021 00:12:50



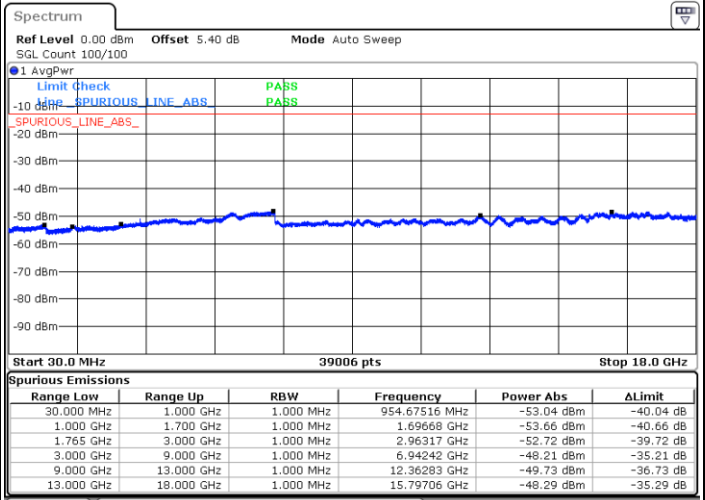
LTE Band 4 / 5MHz

Lowest Channel / QPSK



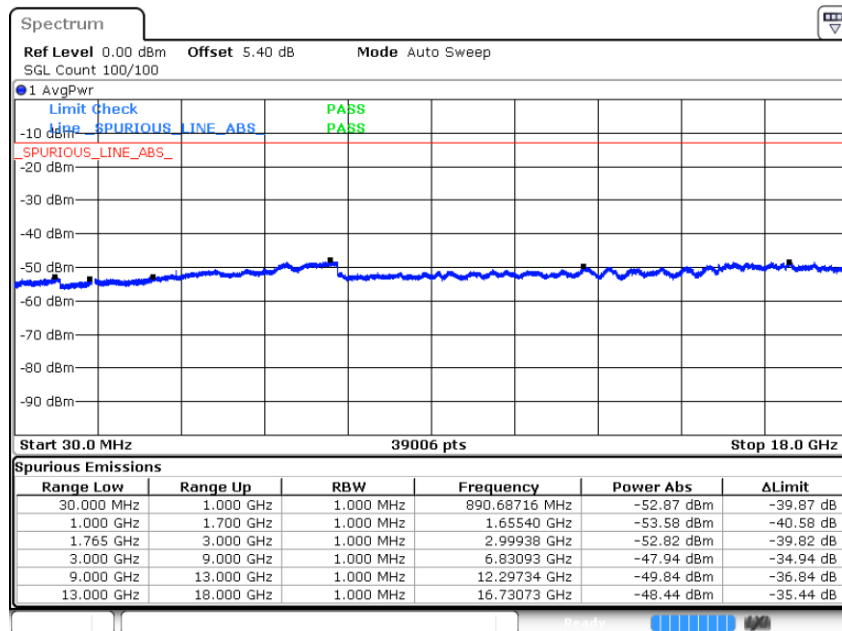
Date: 17 DEC 2021 00:23:35

Middle Channel / QPSK



Date: 17 DEC 2021 00:34:12

Highest Channel / QPSK

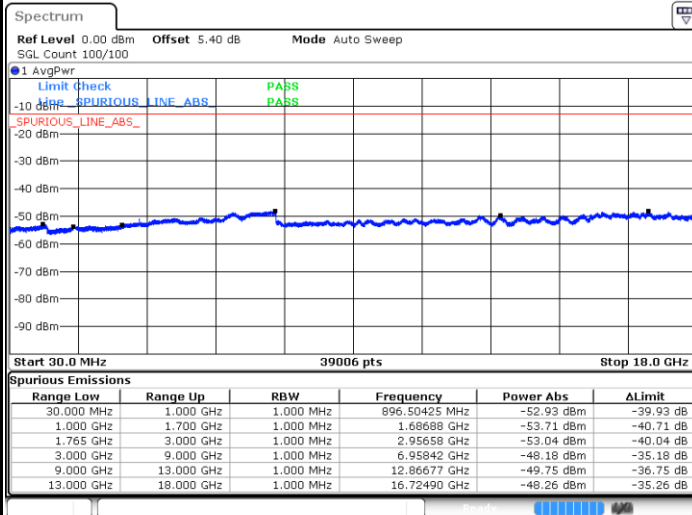


Date: 17 DEC 2021 00:35:08



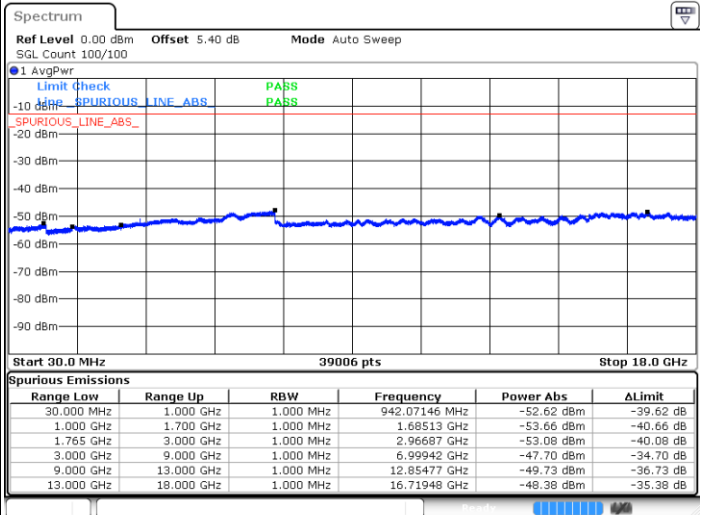
LTE Band 4 / 10MHz

Lowest Channel / QPSK



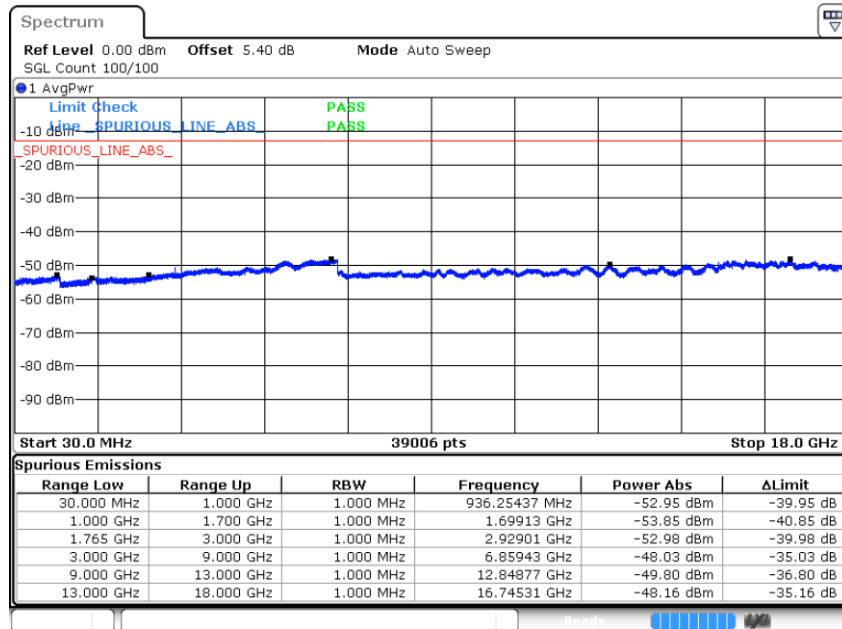
Date: 17 DEC 2021 00:45:53

Middle Channel / QPSK



Date: 17 DEC 2021 00:56:24

Highest Channel / QPSK

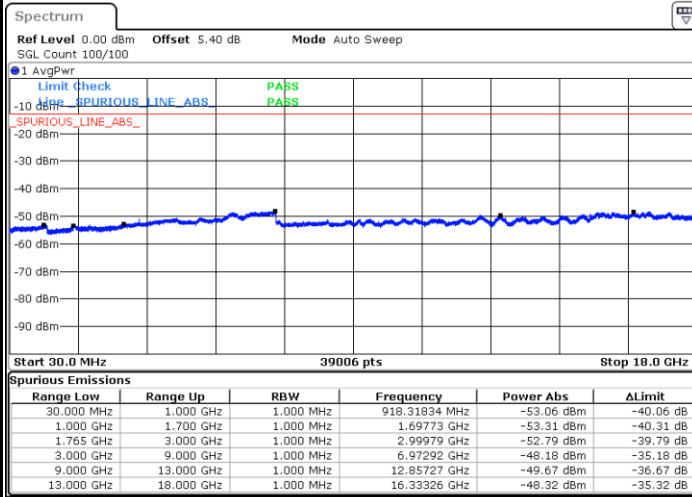


Date: 17 DEC 2021 00:57:20



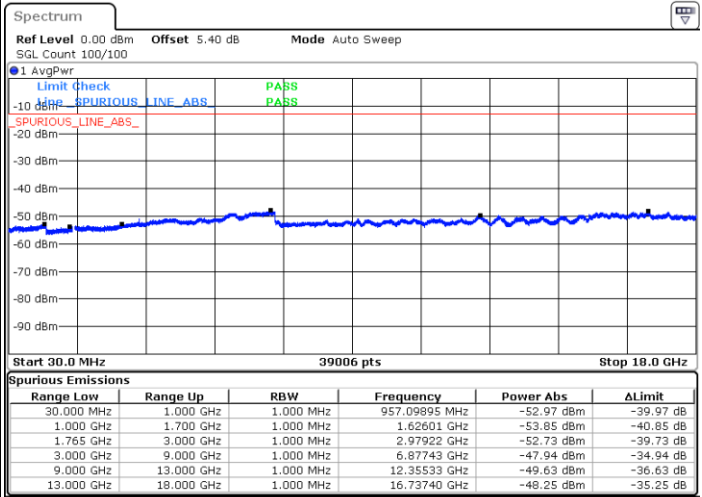
LTE Band 4 / 15MHz

Lowest Channel / QPSK



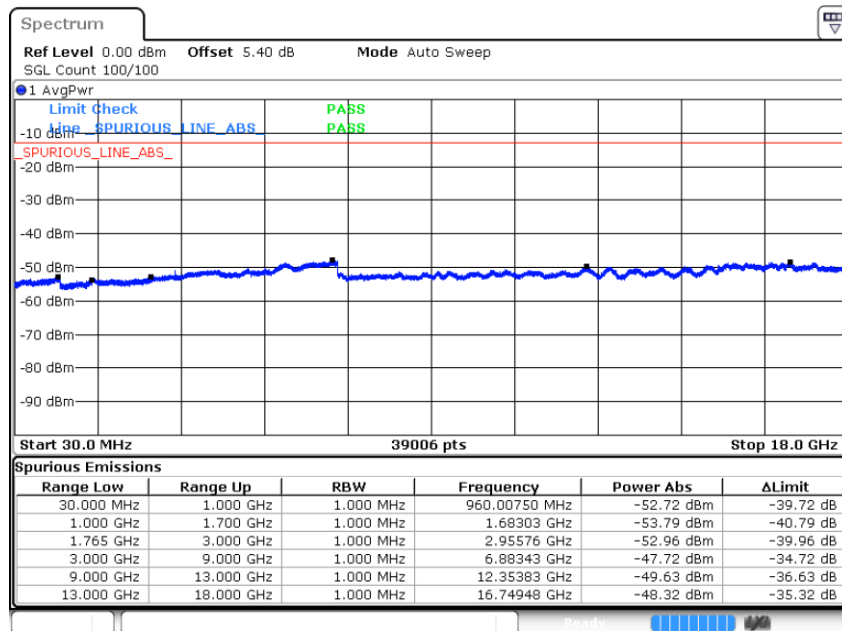
Date: 17 DEC 2021 01:08:03

Middle Channel / QPSK



Date: 17 DEC 2021 01:18:33

Highest Channel / QPSK

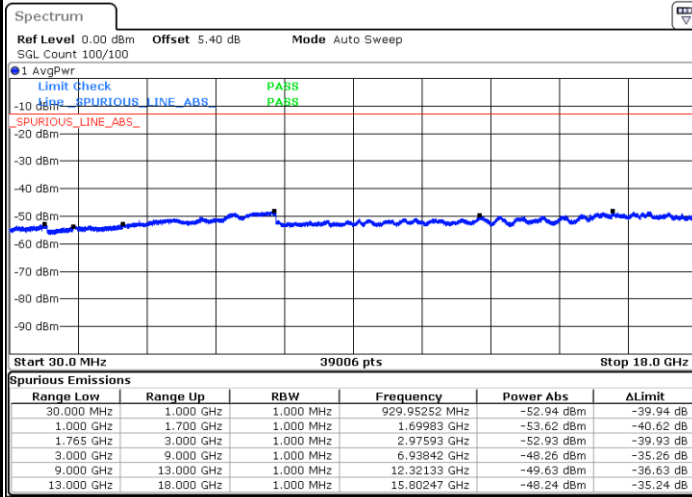


Date: 17 DEC 2021 01:19:29



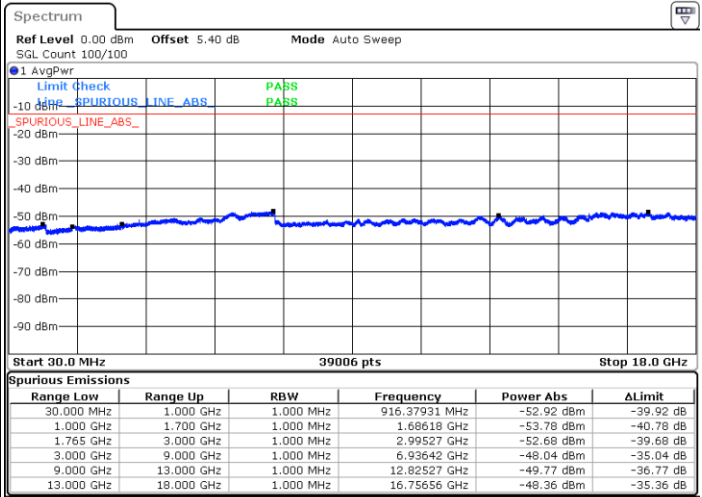
LTE Band 4 / 20MHz

Lowest Channel / QPSK



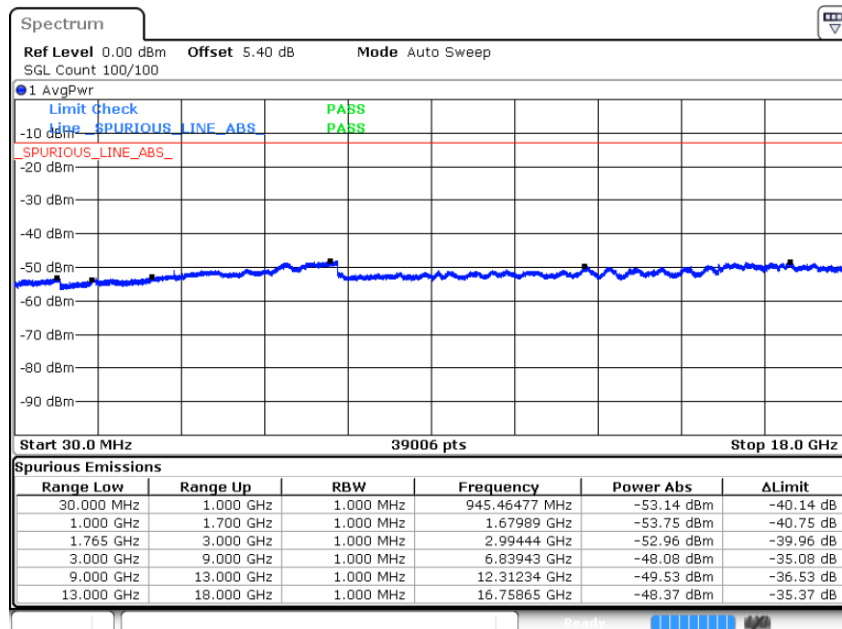
Date: 17 DEC 2021 01:30:13

Middle Channel / QPSK



Date: 17 DEC 2021 01:40:45

Highest Channel / QPSK



Date: 17 DEC 2021 01:41:40

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	0.0006	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0003	
-10	Normal Voltage	0.0007	
-20	Normal Voltage	0.0008	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0015	
20	Normal Voltage	0.0021	
20	Battery End Point	0.0017	

Note:

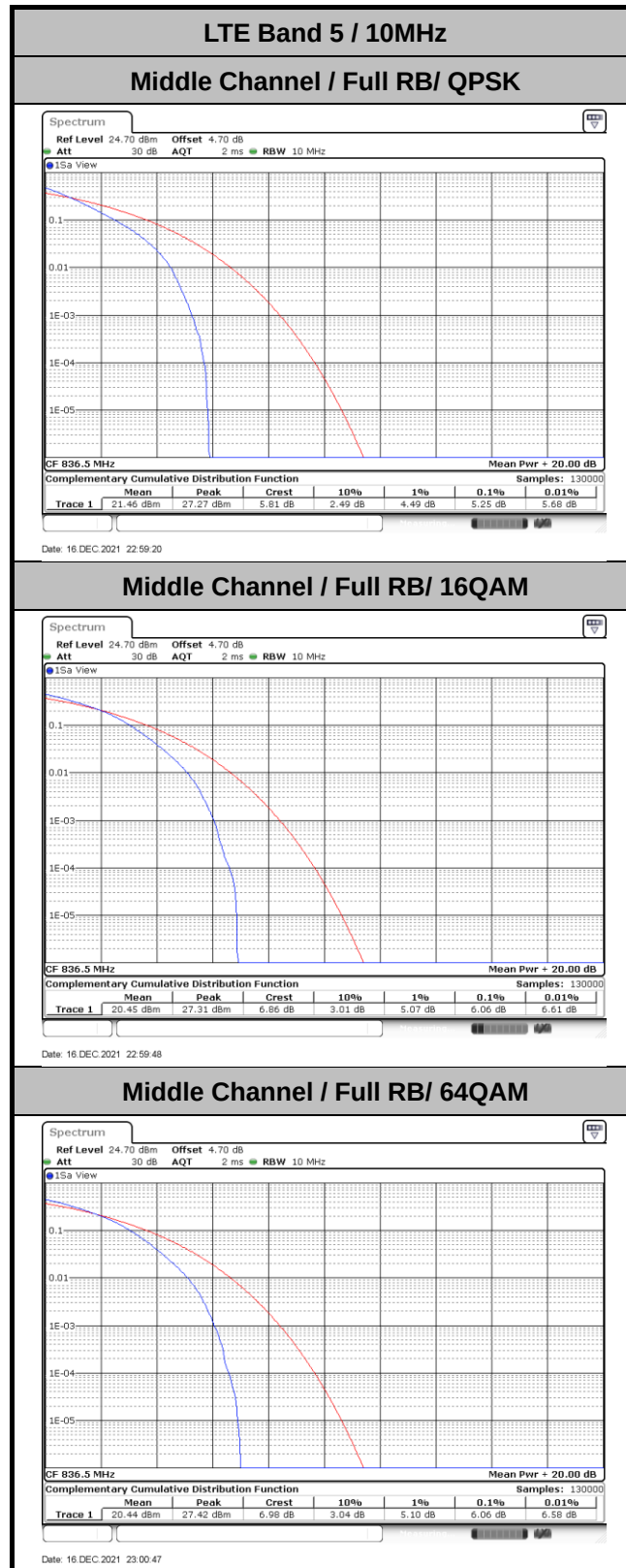
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 5

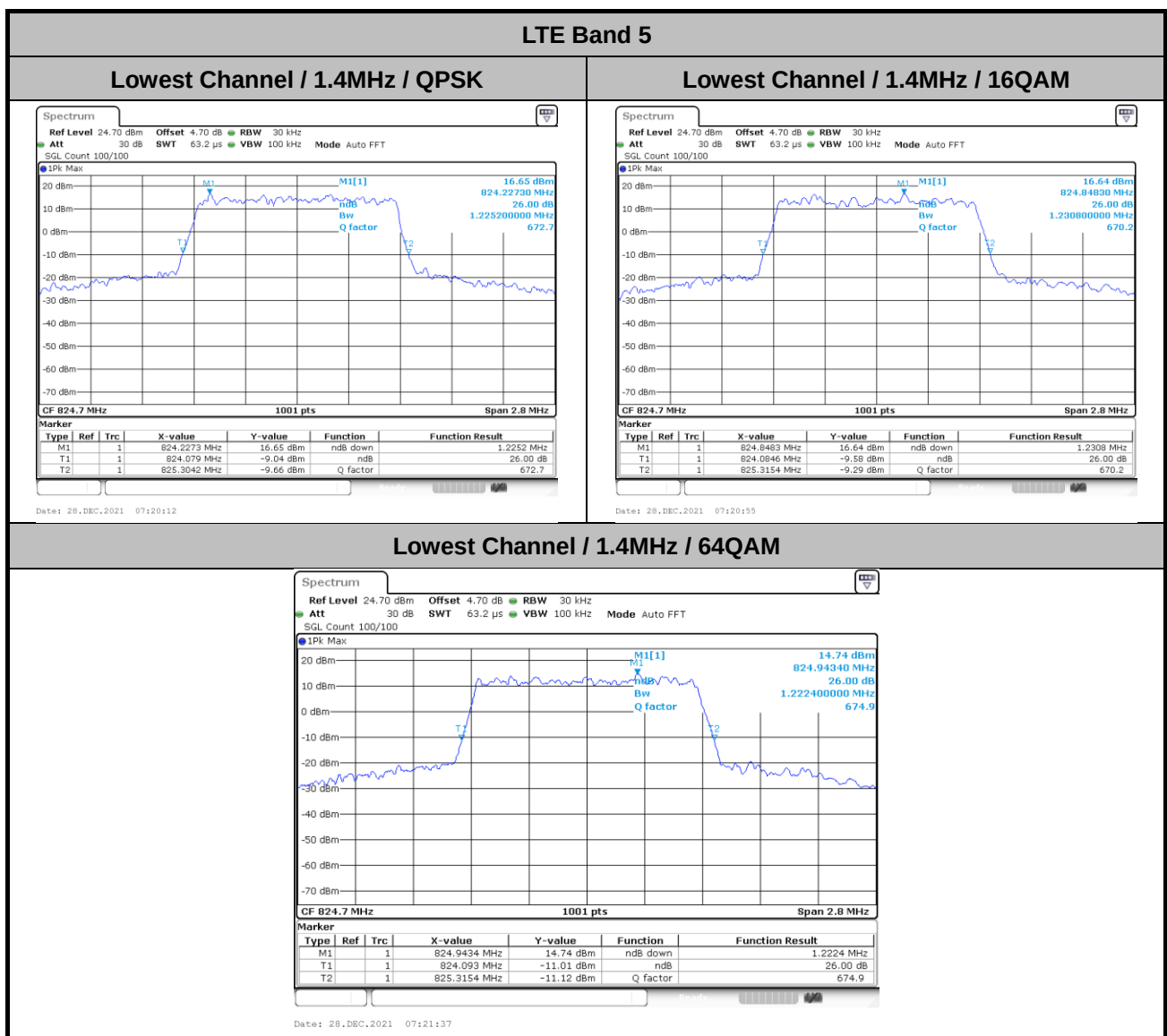
Peak-to-Average Ratio

Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.25	6.06	6.06	PASS



26dB Bandwidth

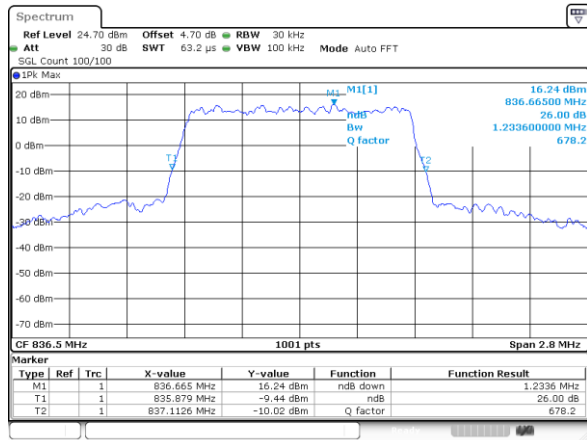
Mode	LTE Band 5 : 26dB BW(MHz)		
BW	1.4MHz		
Mod.	QPSK	16QAM	64QAM
Lowest CH	1.23	1.23	1.22
Middle CH	1.23	1.23	1.22
Highest CH	1.23	1.22	1.23



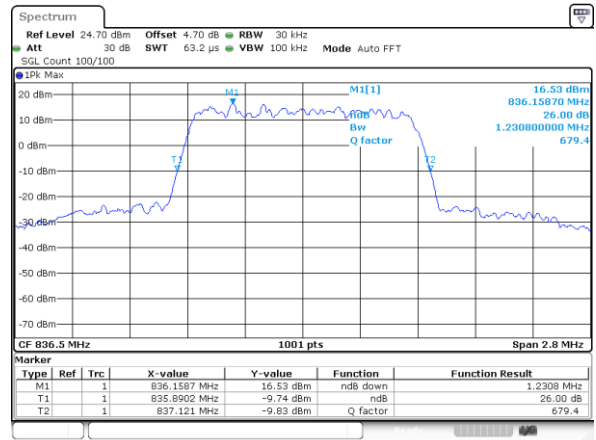


LTE Band 5

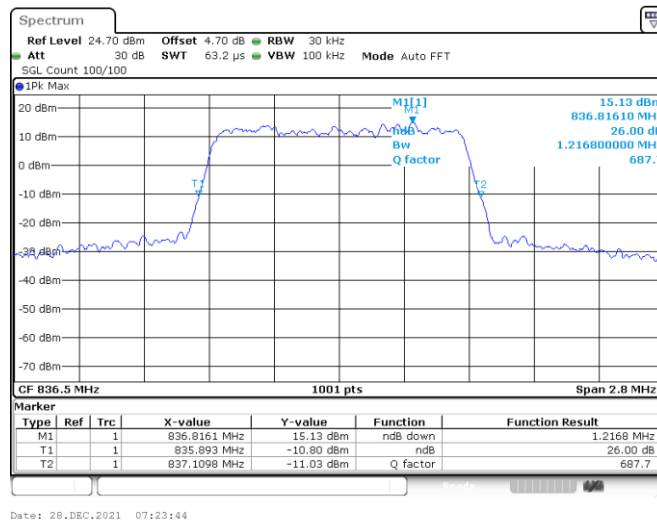
Middle Channel / 1.4MHz / QPSK



Middle Channel / 1.4MHz / 16QAM



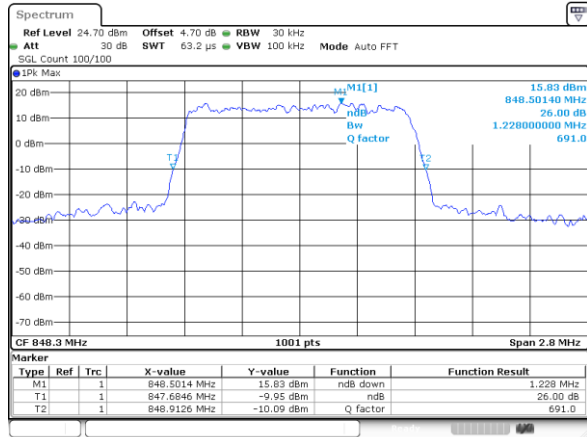
Middle Channel / 1.4MHz / 64QAM



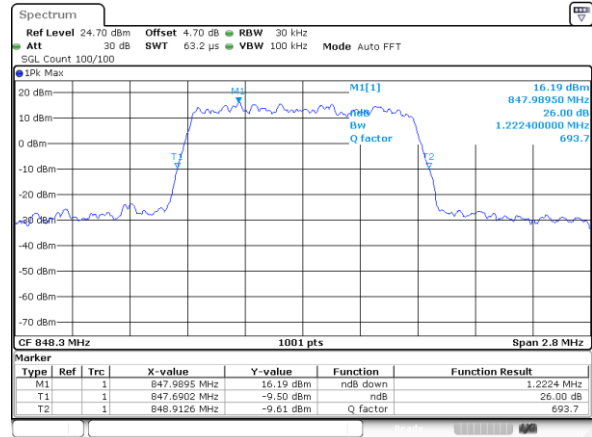


LTE Band 5

Highest Channel / 1.4MHz / QPSK



Highest Channel / 1.4MHz / 16QAM



Highest Channel / 1.4MHz / 64QAM

