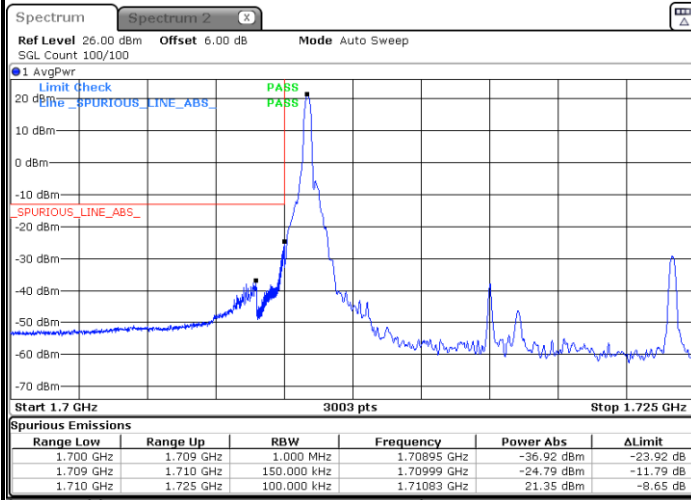


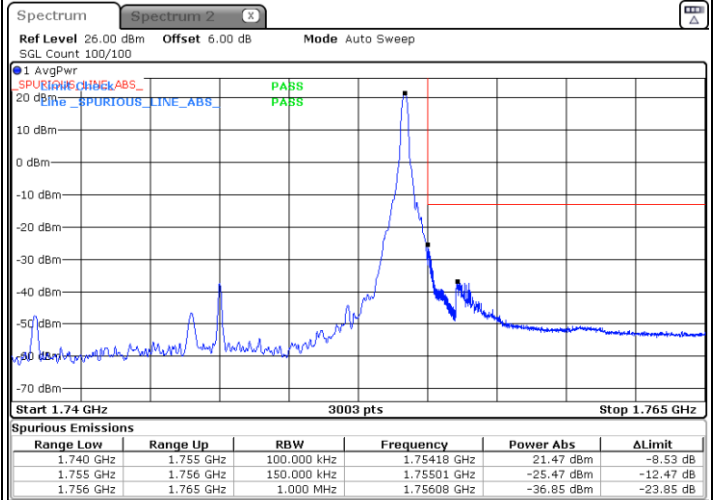


LTE Band 4 / 15MHz / QPSK

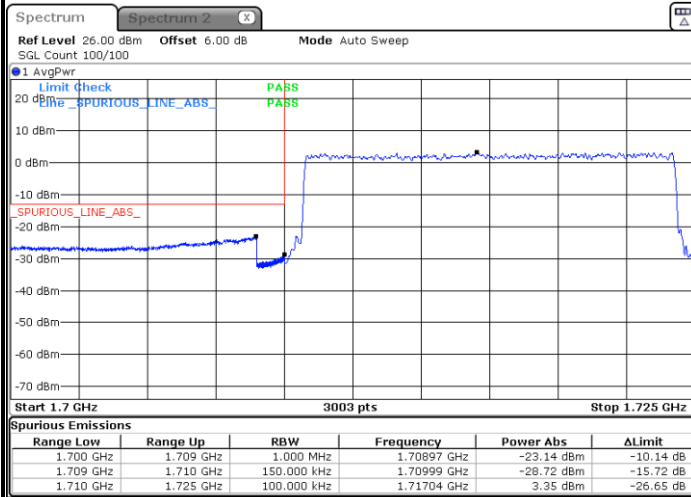
Lowest Band Edge / 1 RB



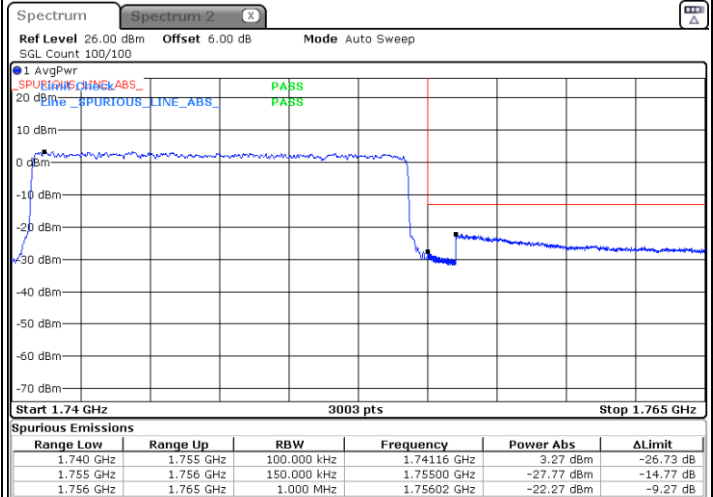
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



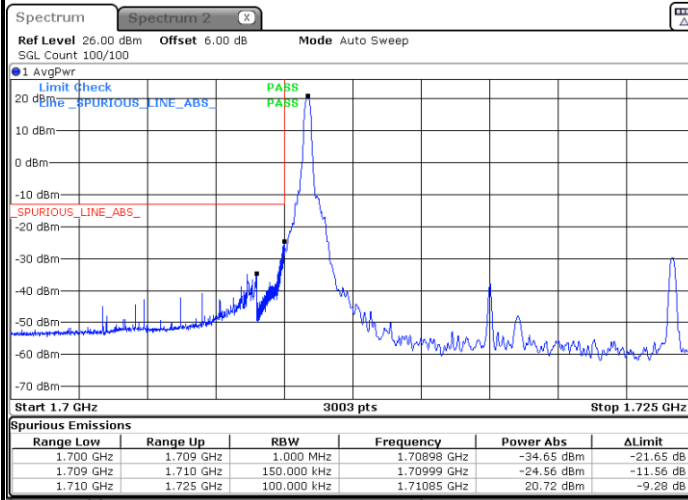
Highest Band Edge / Full RB



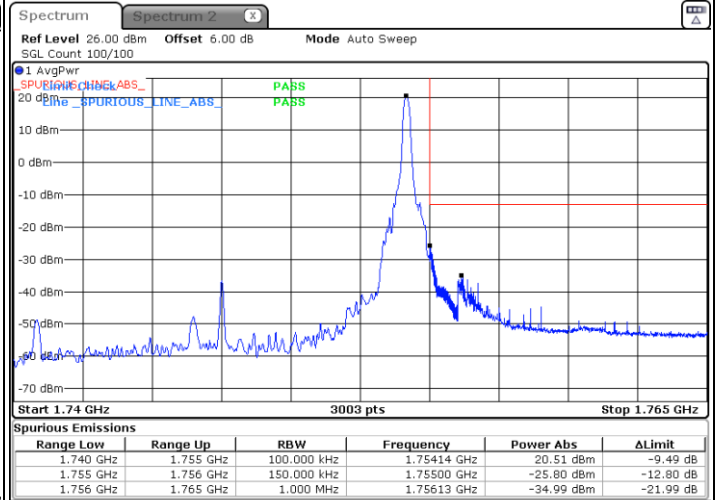


LTE Band 4 / 15MHz / 16QAM

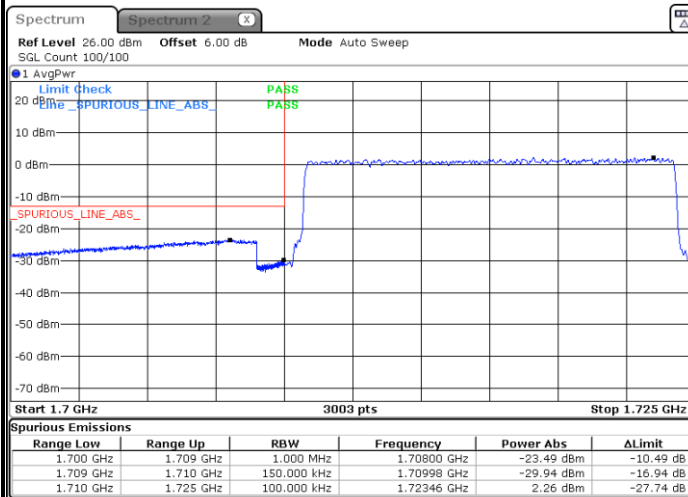
Lowest Band Edge / 1 RB



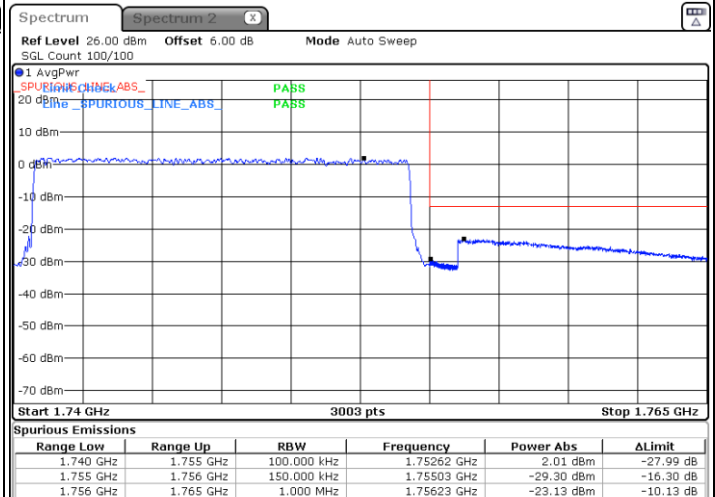
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



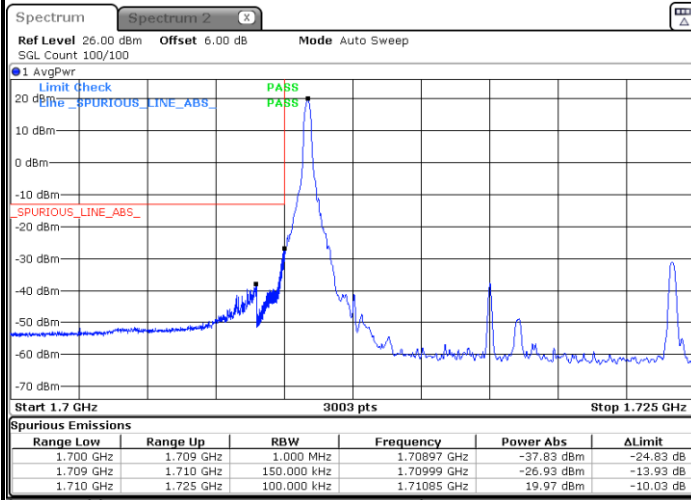
Highest Band Edge / Full RB



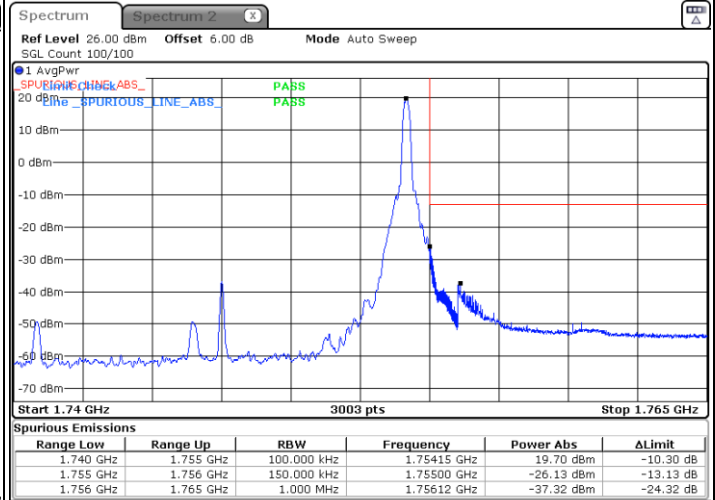


LTE Band 4 / 15MHz / 64QAM

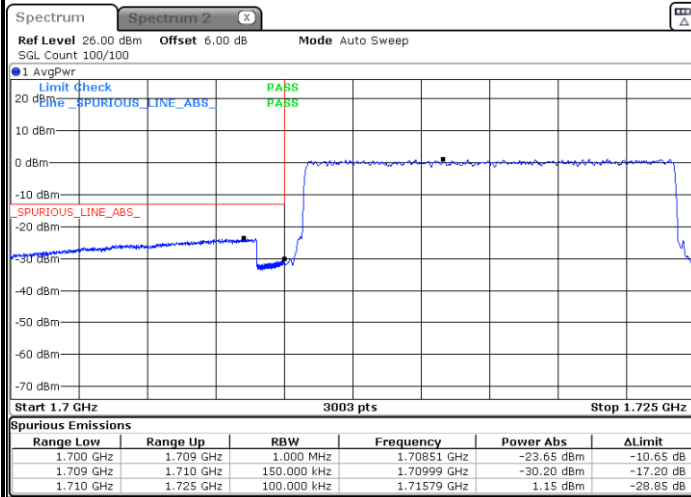
Lowest Band Edge / 1 RB



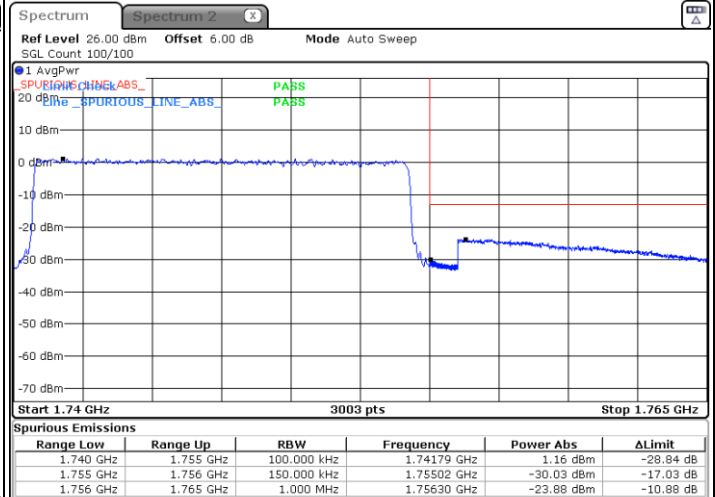
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



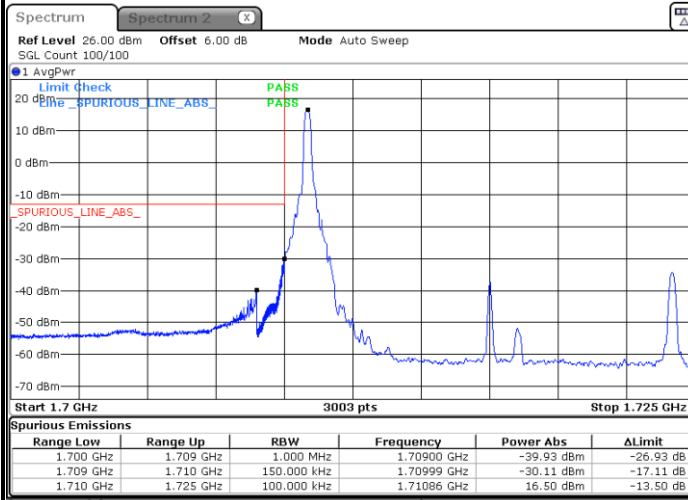
Highest Band Edge / Full RB



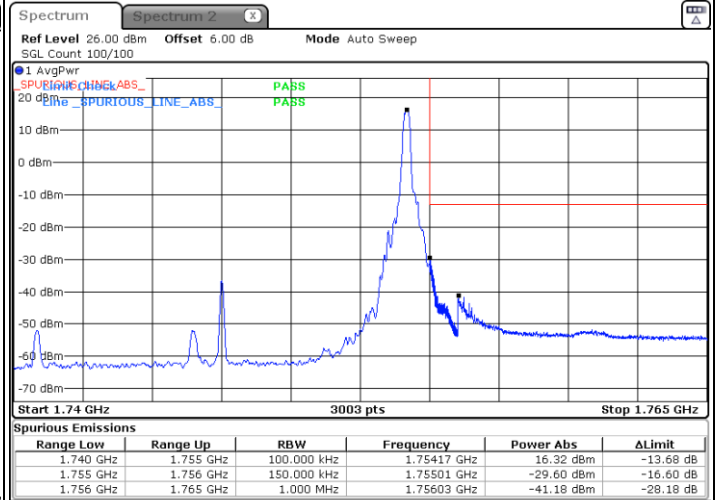


LTE Band 4 / 15MHz / 256QAM

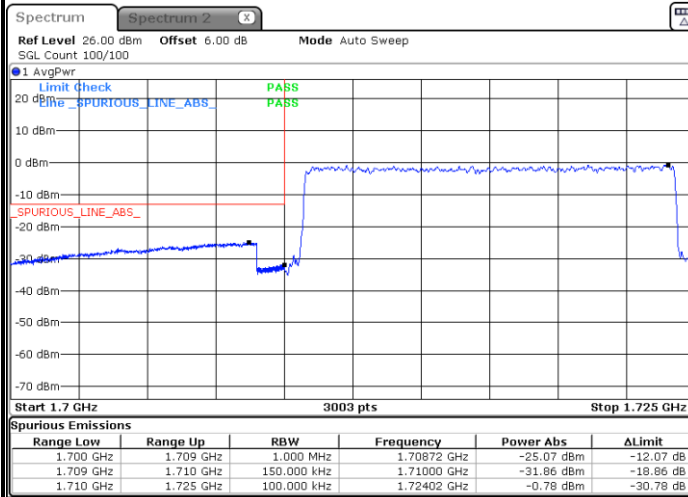
Lowest Band Edge / 1 RB



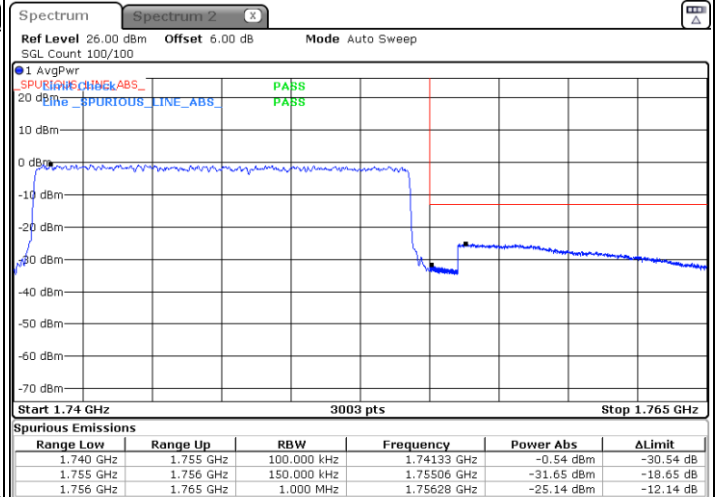
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



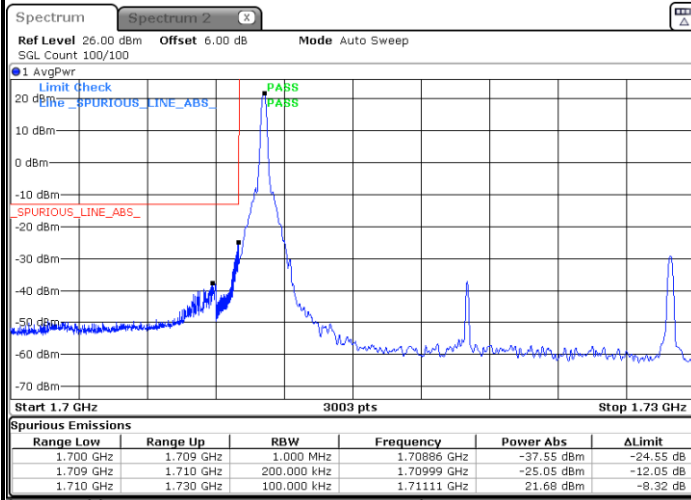
Highest Band Edge / Full RB



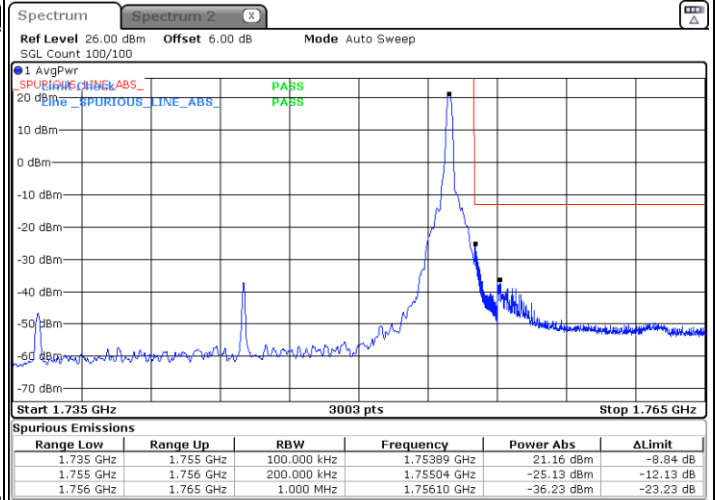


LTE Band 4 / 20MHz / QPSK

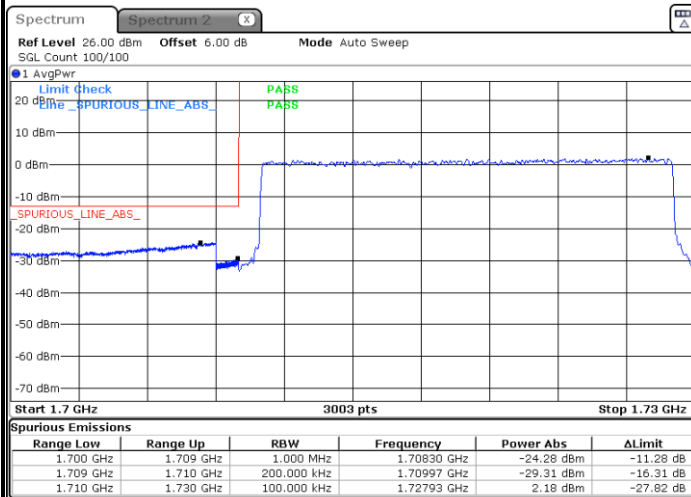
Lowest Band Edge / 1 RB



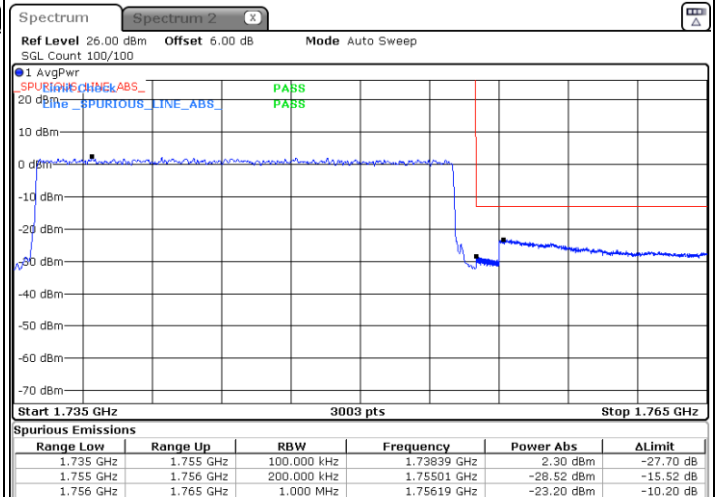
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



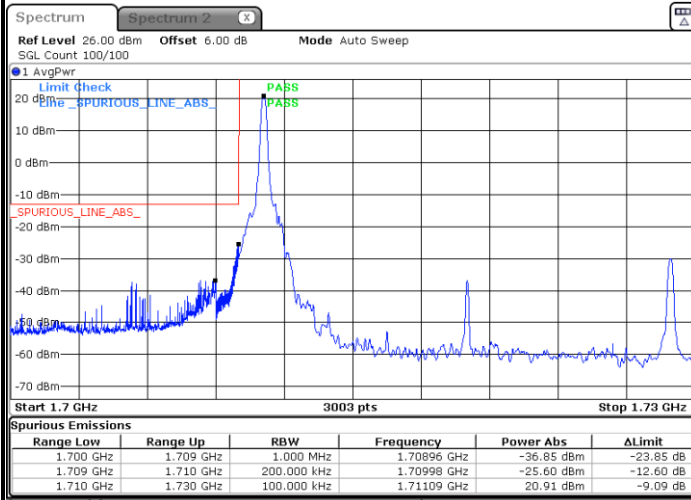
Highest Band Edge / Full RB



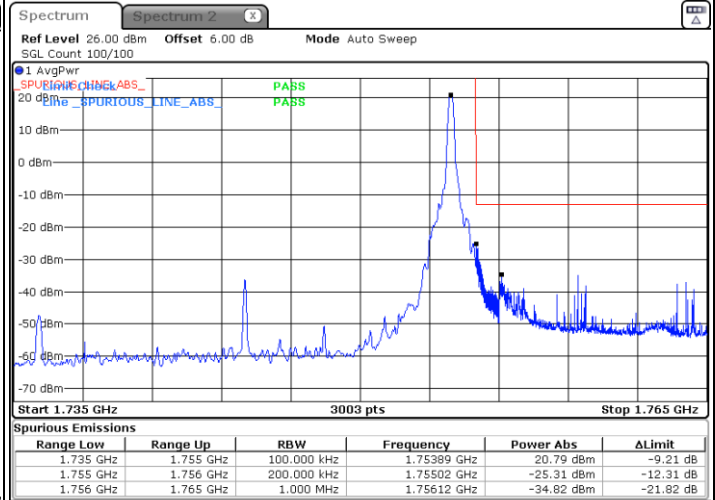


LTE Band 4 / 20MHz / 16QAM

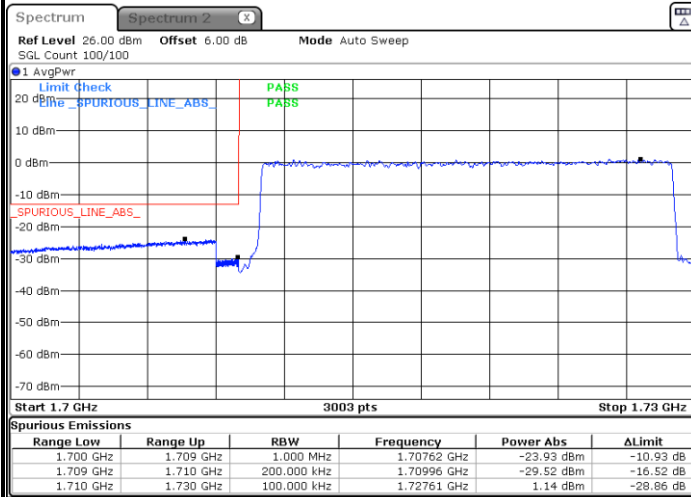
Lowest Band Edge / 1 RB



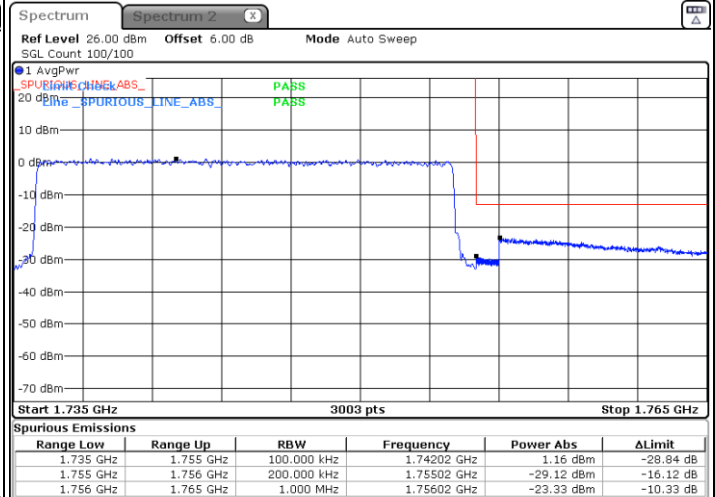
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



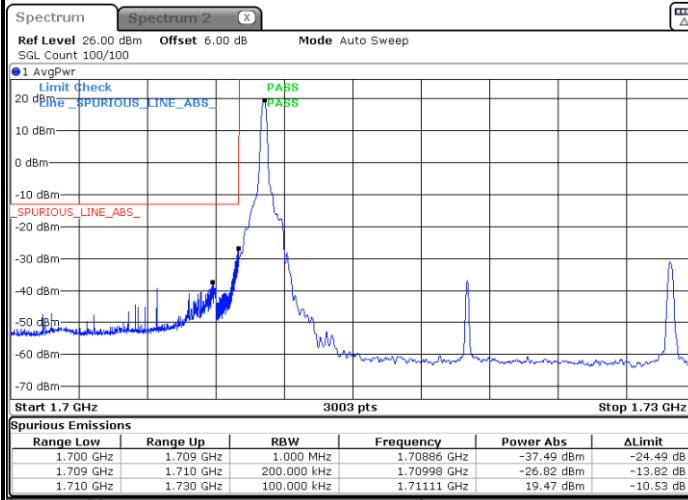
Highest Band Edge / Full RB



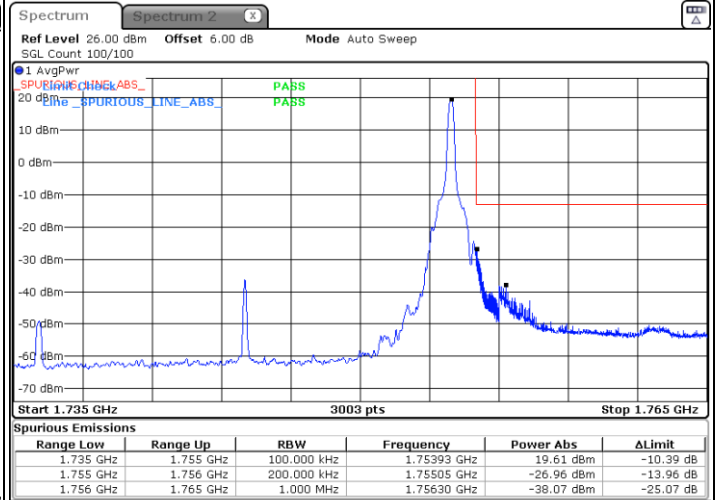


LTE Band 4 / 20MHz / 64QAM

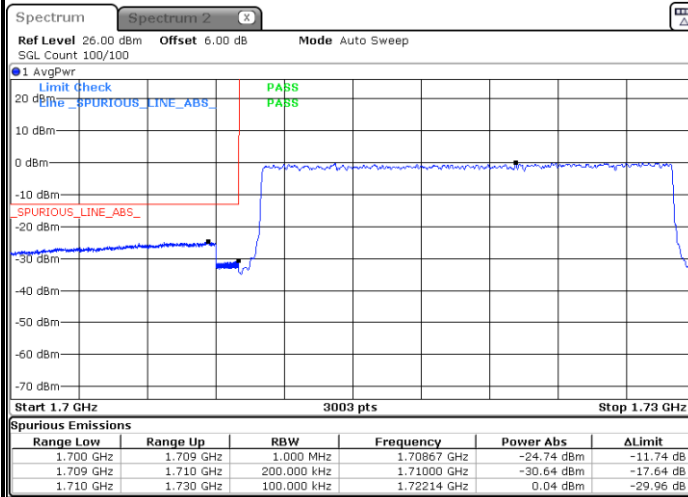
Lowest Band Edge / 1 RB



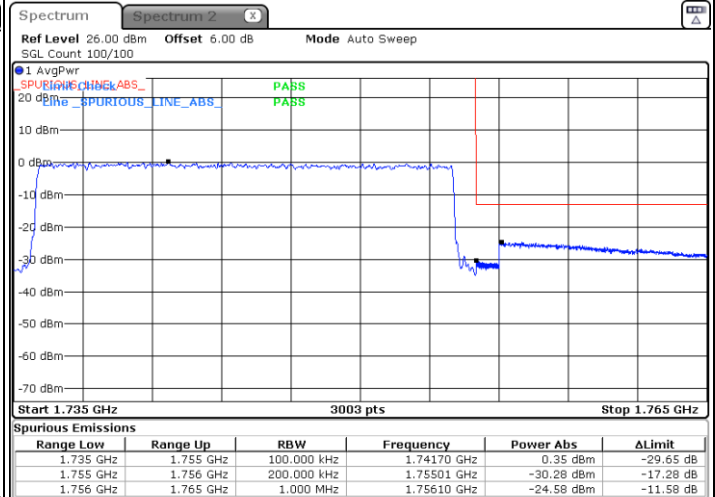
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



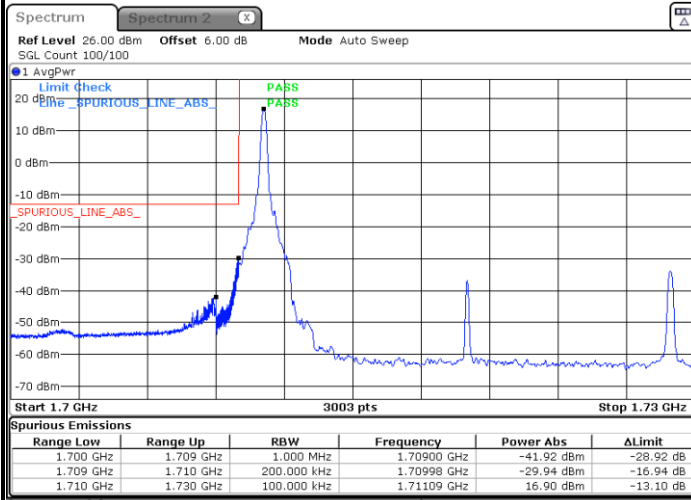
Highest Band Edge / Full RB



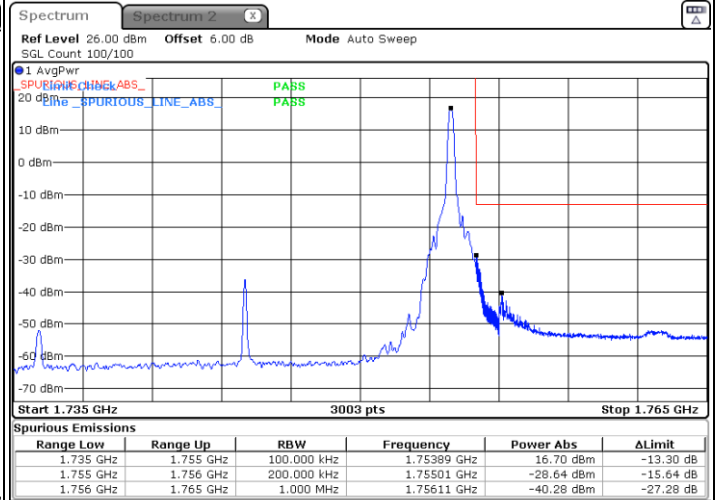


LTE Band 4 / 20MHz / 256QAM

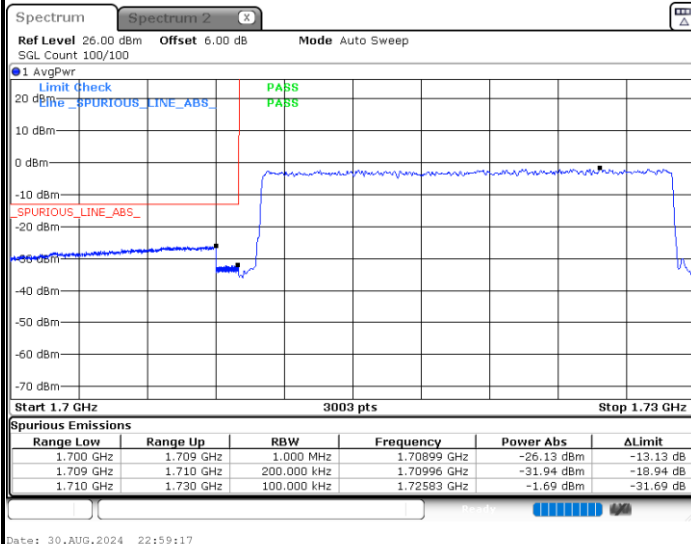
Lowest Band Edge / 1 RB



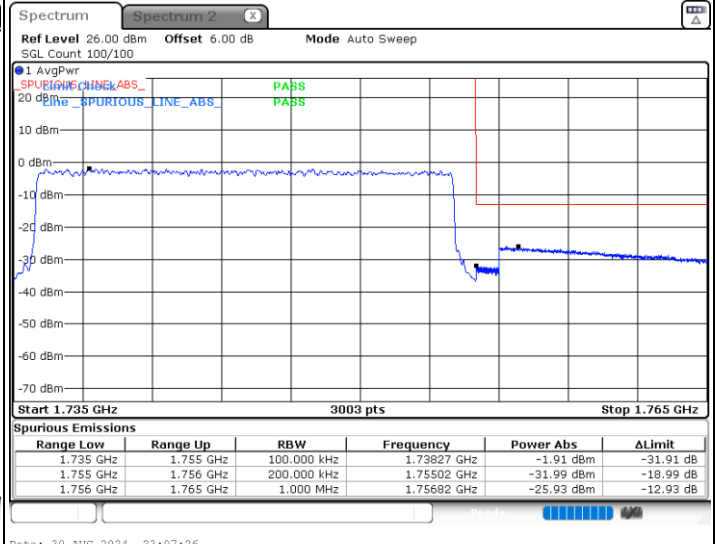
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

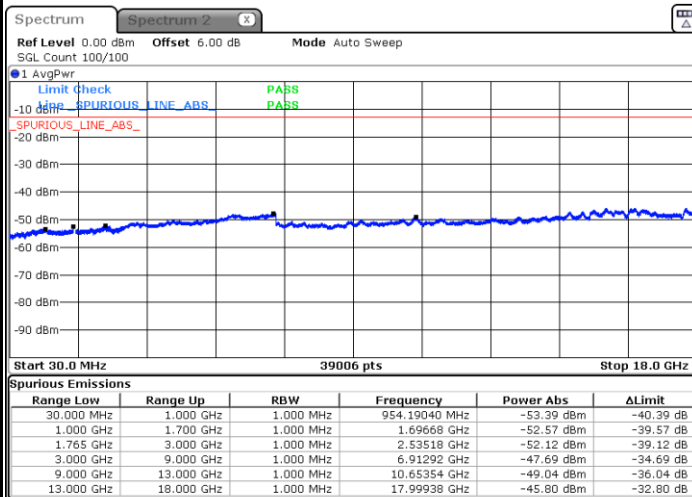




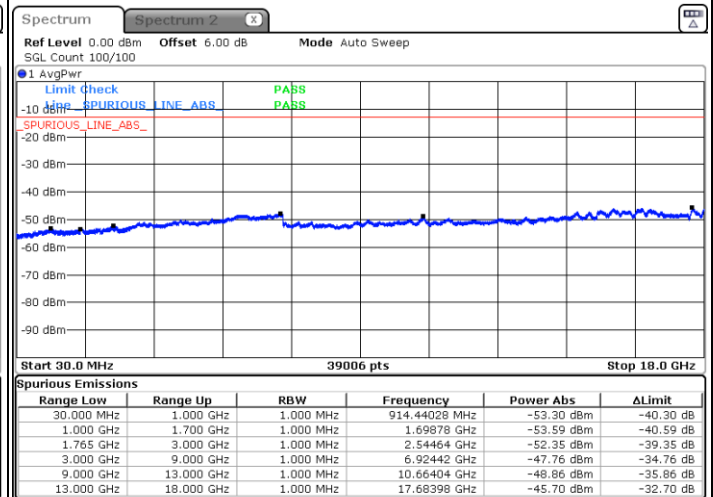
Conducted Spurious Emission

LTE Band 4 / 1.4MHz

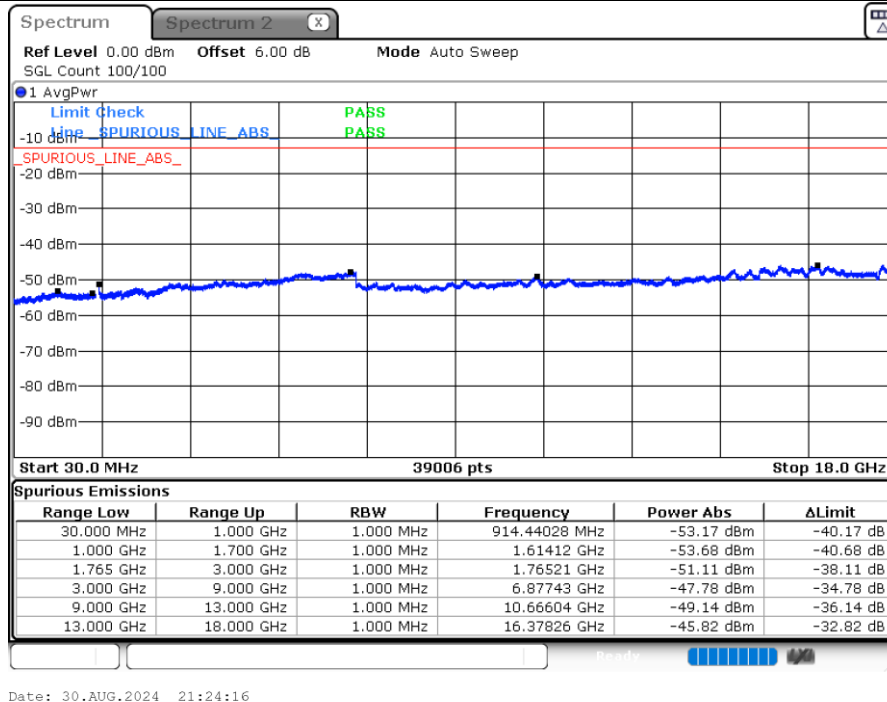
Lowest Channel / QPSK



Middle Channel / QPSK



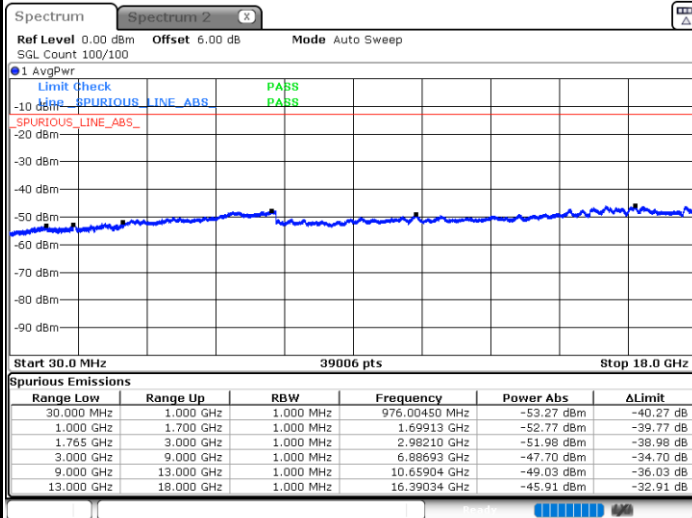
Highest Channel / QPSK



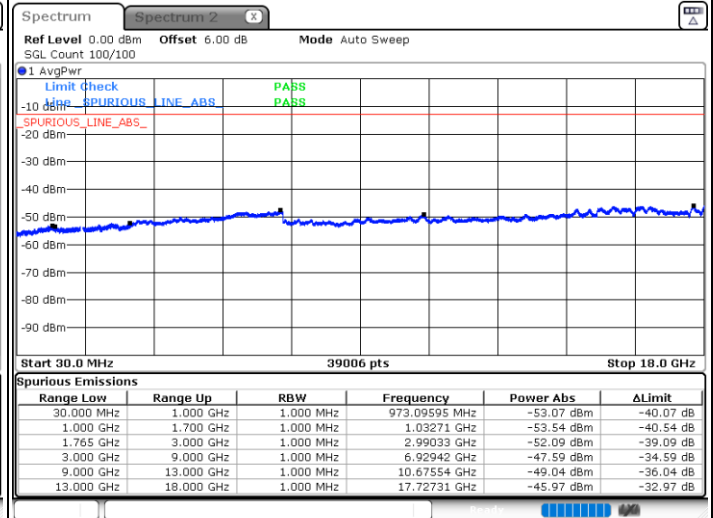


LTE Band 4 / 3MHz

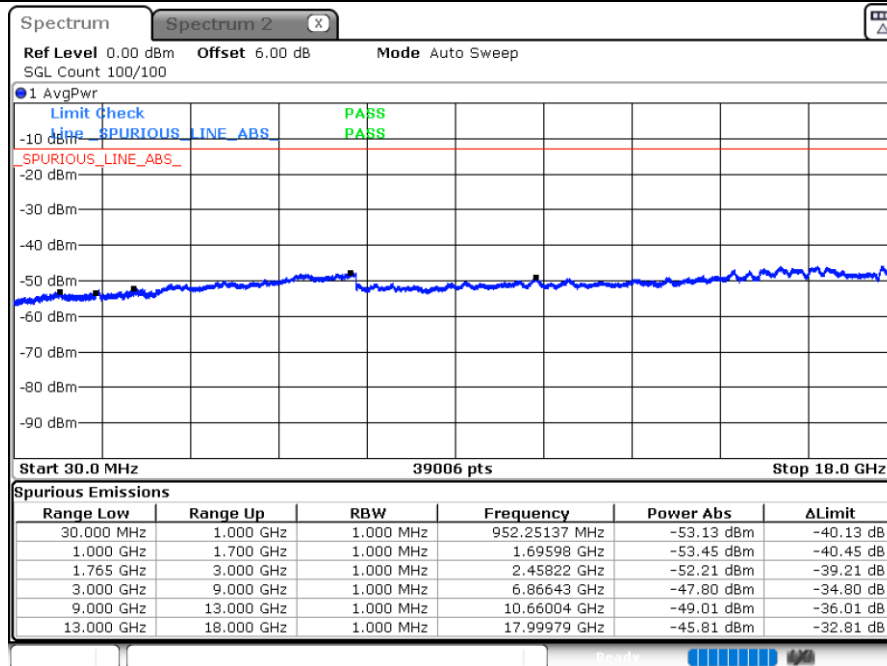
Lowest Channel / QPSK



Middle Channel / QPSK



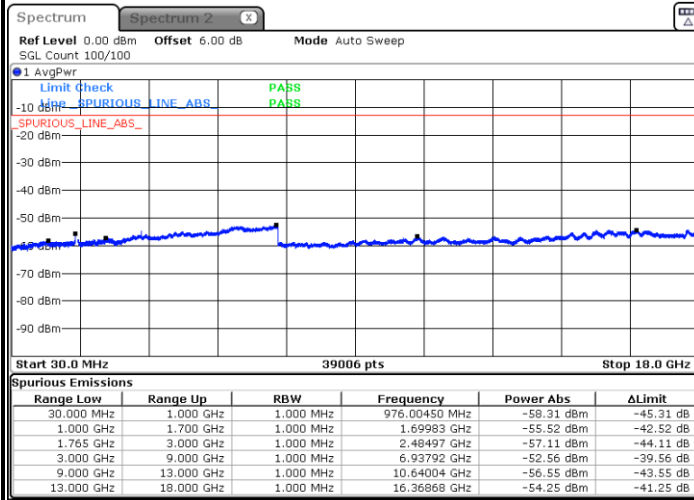
Highest Channel / QPSK





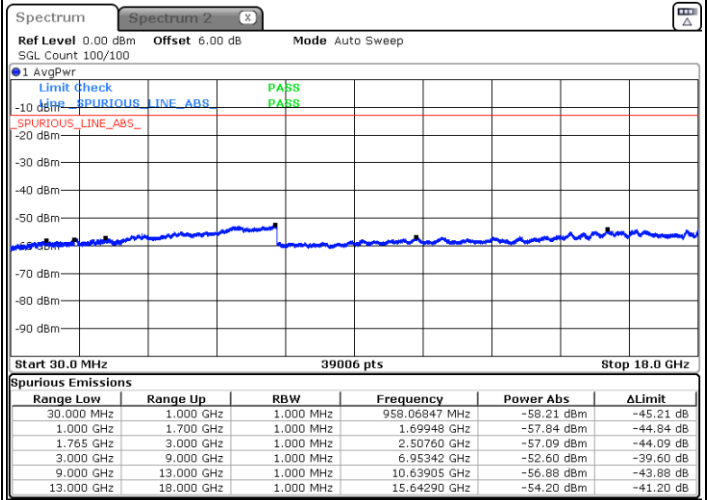
LTE Band 4 / 5MHz

Lowest Channel / QPSK



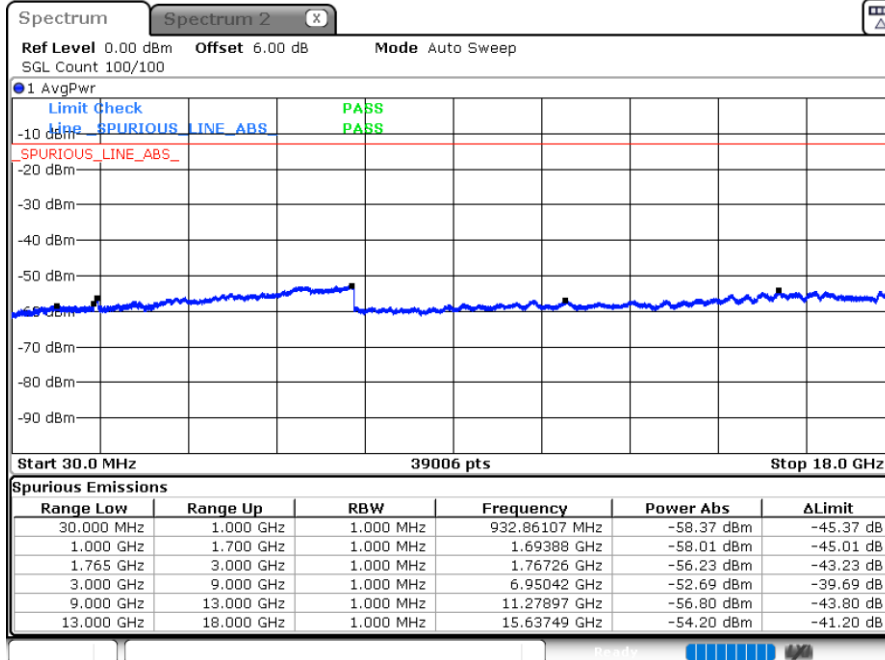
Date: 30.AUG.2024 22:02:20

Middle Channel / QPSK



Date: 30.AUG.2024 22:12:24

Highest Channel / QPSK

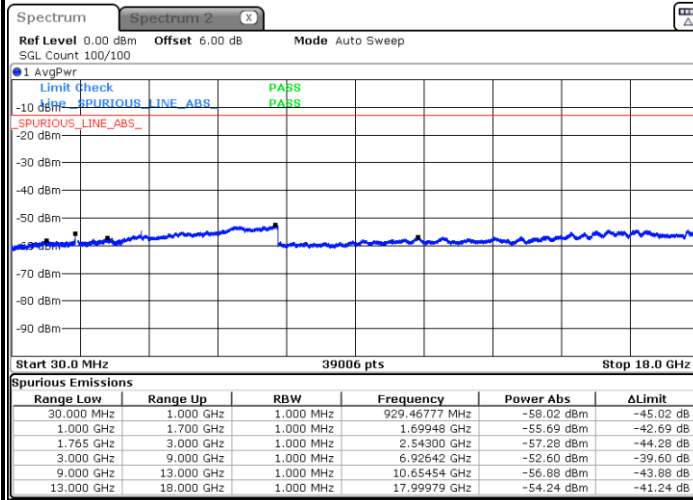


Date: 30.AUG.2024 22:13:49



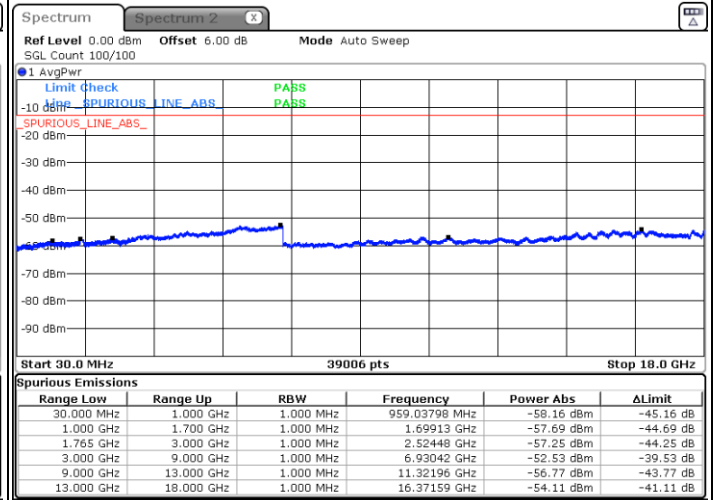
LTE Band 4 / 10MHz

Lowest Channel / QPSK



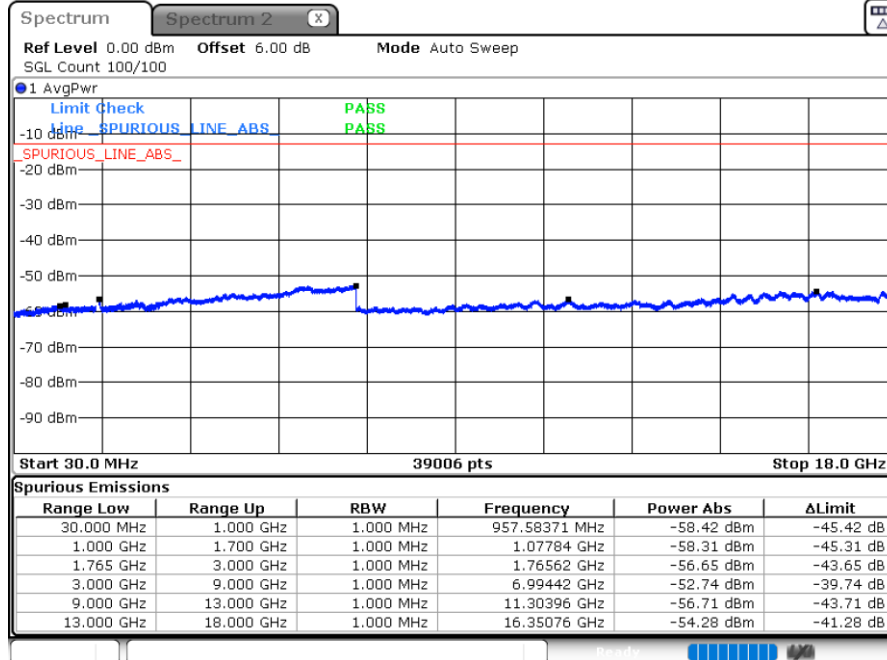
Date: 30.AUG.2024 22:23:38

Middle Channel / QPSK



Date: 30.AUG.2024 22:30:52

Highest Channel / QPSK

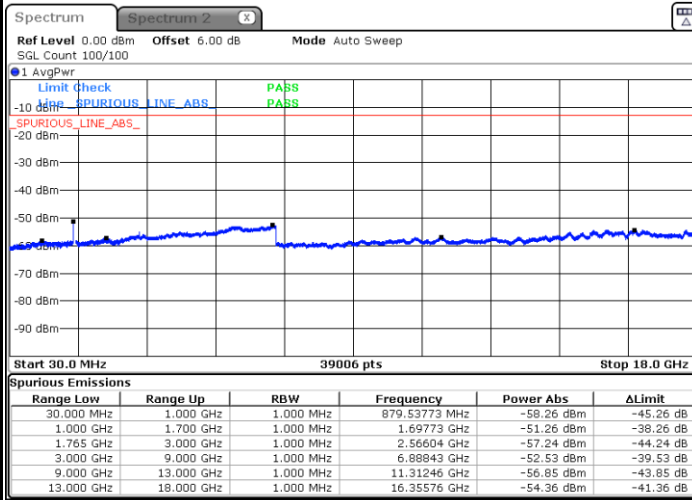


Date: 30.AUG.2024 22:32:16



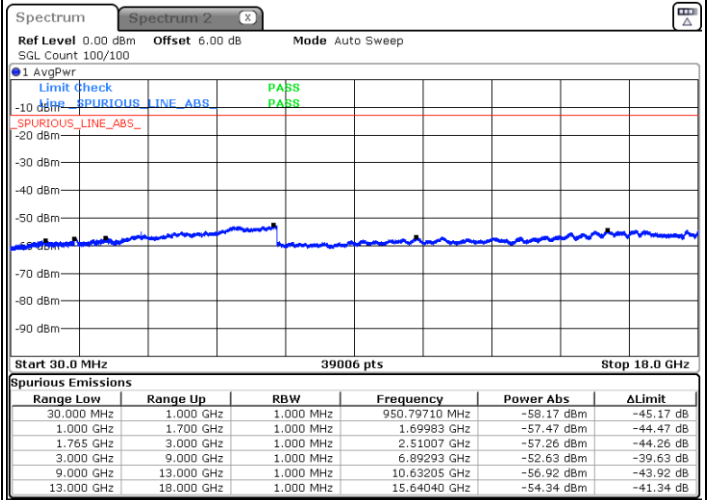
LTE Band 4 / 15MHz

Lowest Channel / QPSK



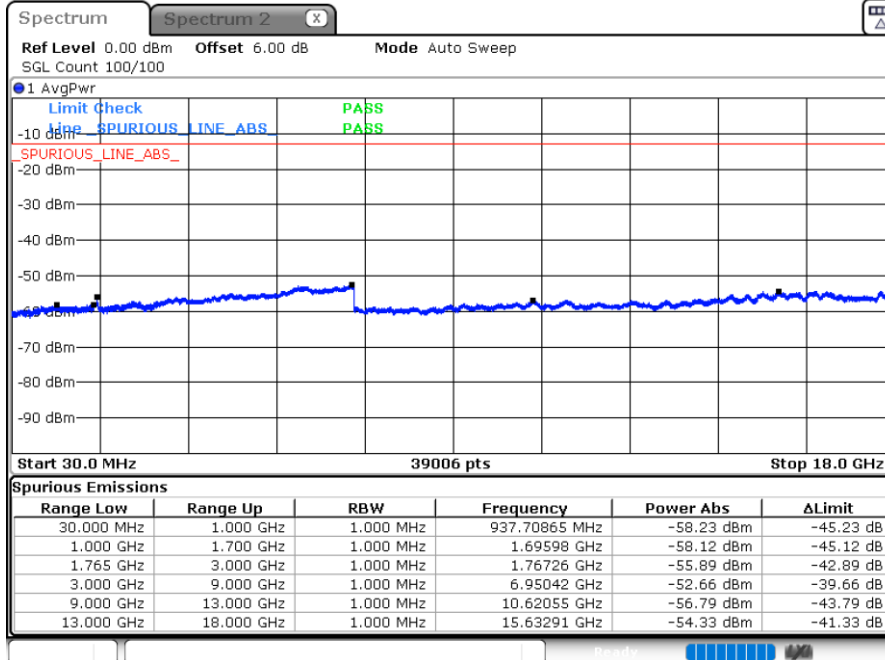
Date: 30.AUG.2024 22:39:03

Middle Channel / QPSK



Date: 30.AUG.2024 22:45:47

Highest Channel / QPSK

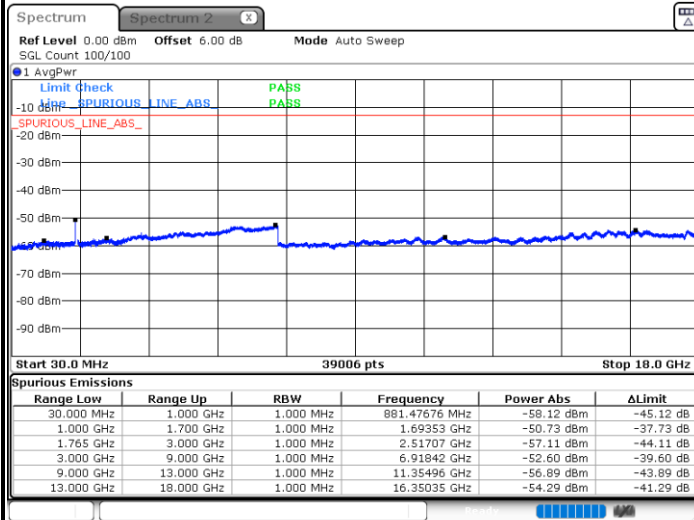


Date: 30.AUG.2024 22:47:12

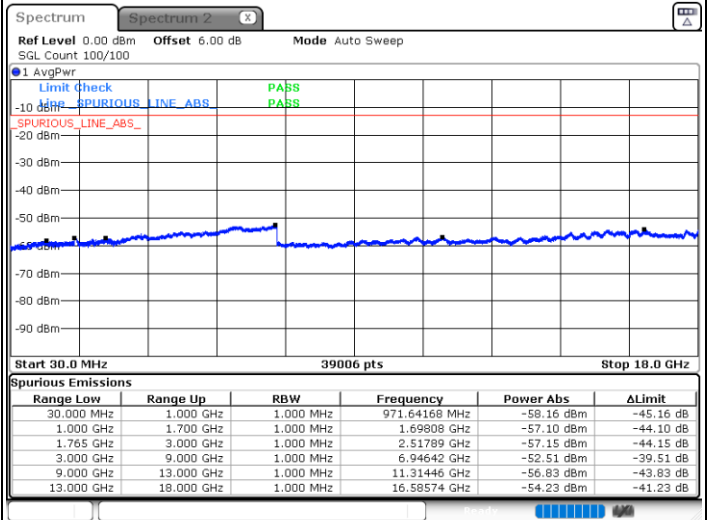


LTE Band 4 / 20MHz

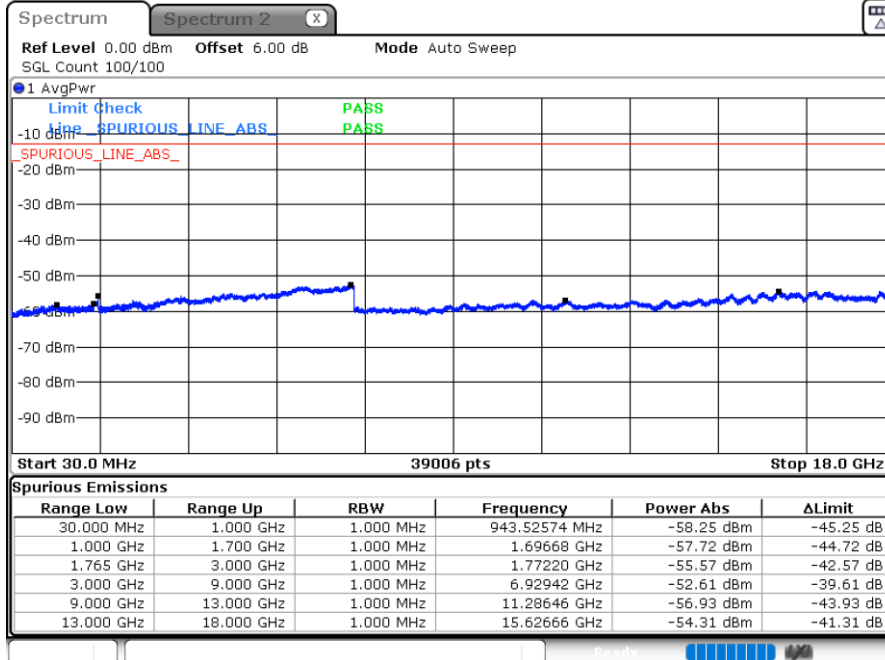
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



**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	0.0031	PASS
40	Normal Voltage	0.0027	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0029	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0012	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0034	
20	Battery End Point	0.0024	

Note:

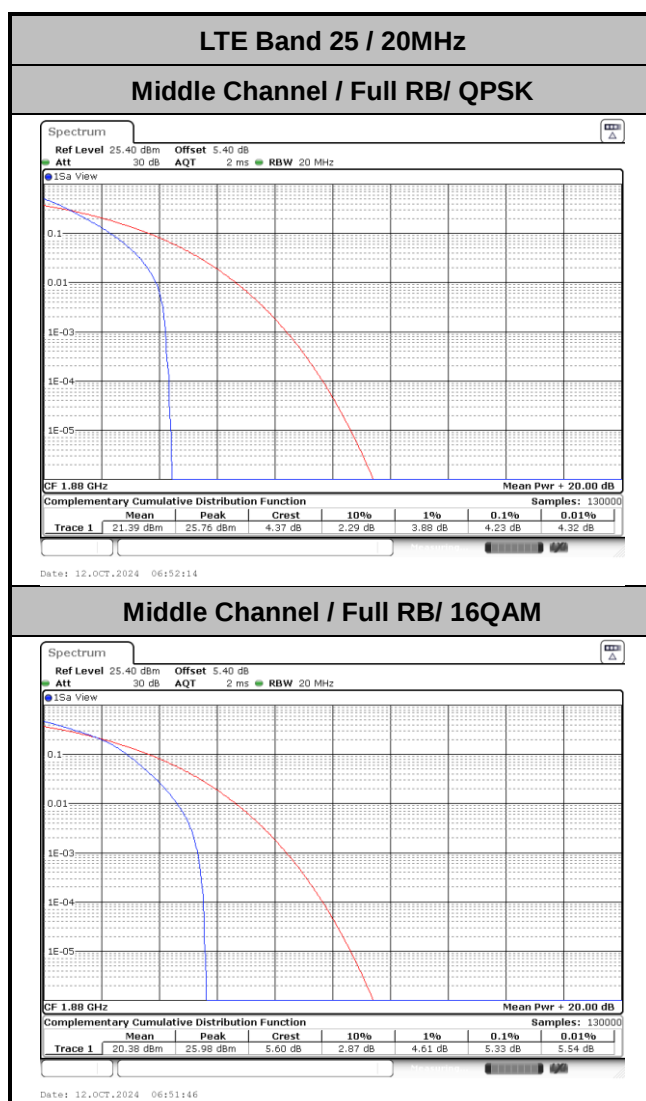
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

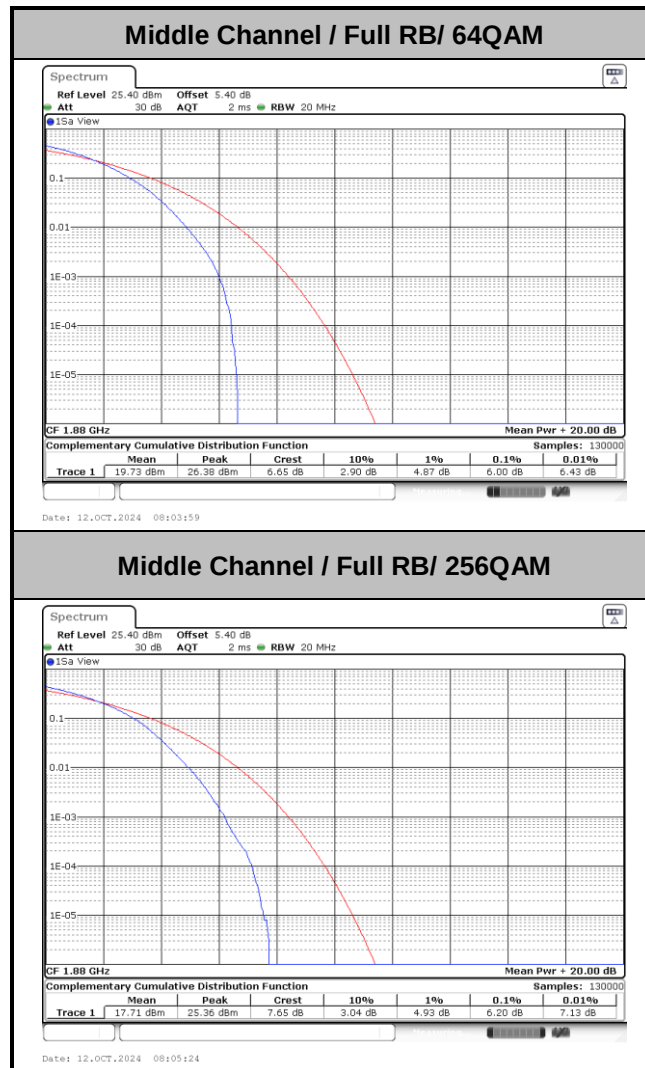


LTE Band 25

Peak-to-Average Ratio

Mode	LTE Band 25 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.32	5.33	6.0	6.2	PASS





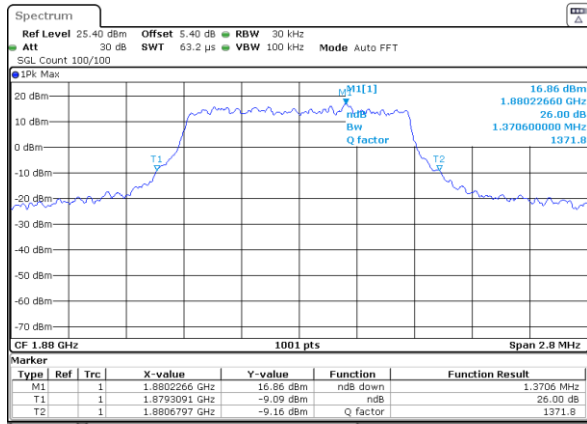
**26dB Bandwidth**

Mode	LTE Band 25 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.37	1.35
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.10	3.07
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.92	5.03
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.87	9.89
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.45	14.45
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.98	19.14

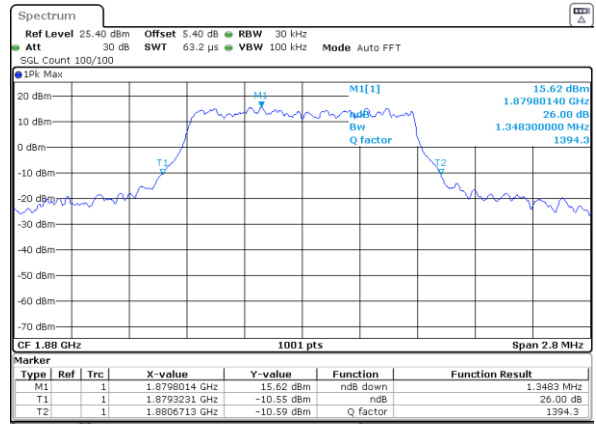


LTE Band 25

Middle Channel / 1.4MHz / QPSK

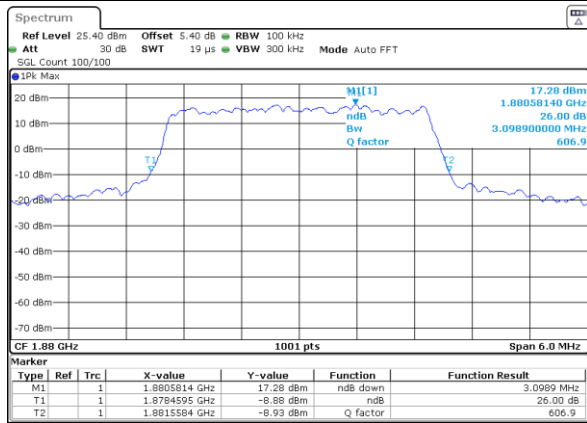


Middle Channel / 1.4MHz / 16QAM

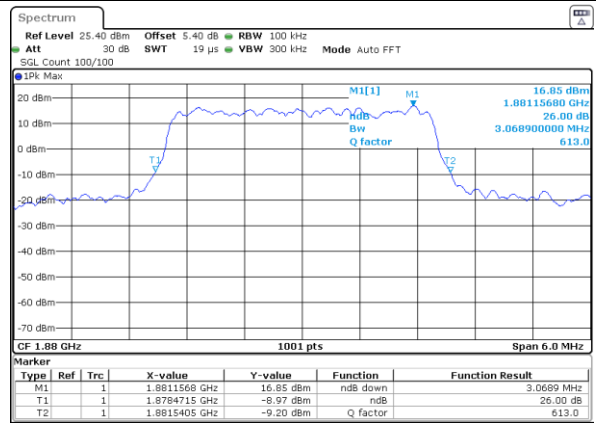


LTE Band 25

Middle Channel / 3MHz / QPSK

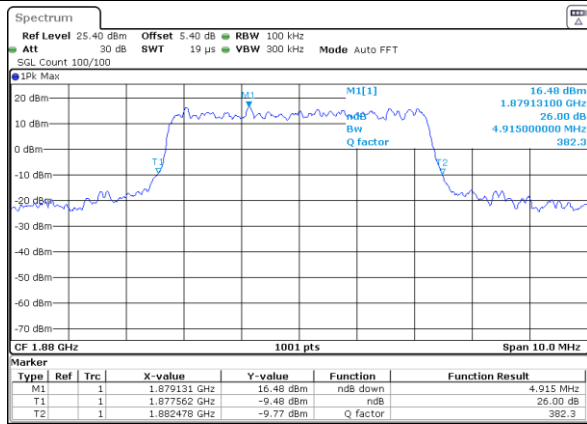


Middle Channel / 3MHz / 16QAM

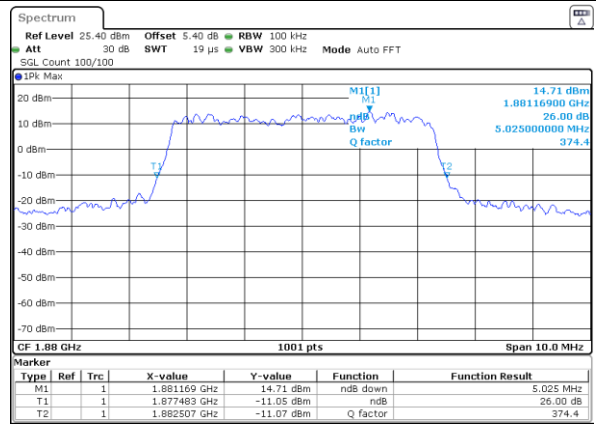


LTE Band 25

Middle Channel / 5MHz / QPSK



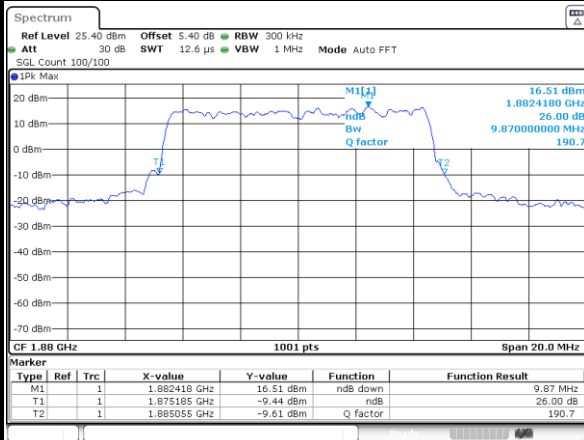
Middle Channel / 5MHz / 16QAM





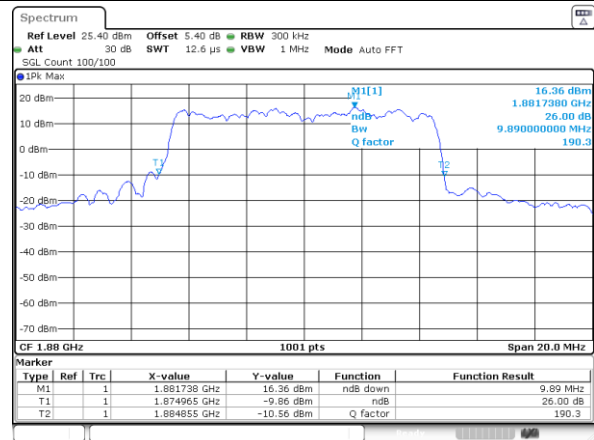
LTE Band 25

Middle Channel / 10MHz / QPSK



Date: 12.OCT.2024 06:27:05

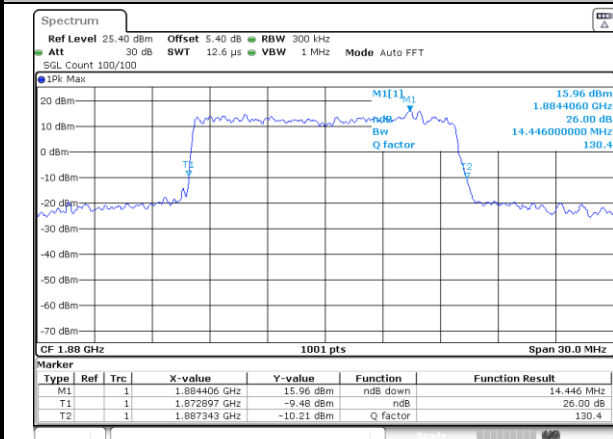
Middle Channel / 10MHz / 16QAM



Date: 12.OCT.2024 06:27:132

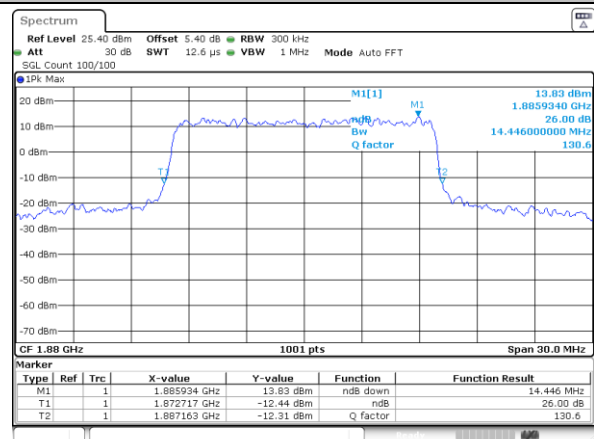
LTE Band 25

Middle Channel / 15MHz / QPSK



Date: 12.OCT.2024 06:39:40

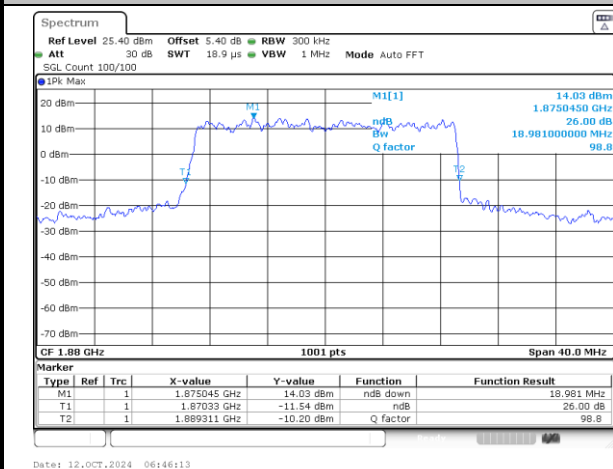
Middle Channel / 15MHz / 16QAM



Date: 12.OCT.2024 06:40:106

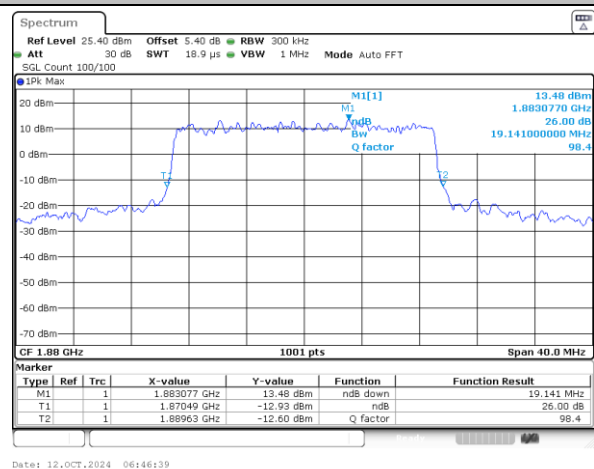
LTE Band 25

Middle Channel / 20MHz / QPSK



Date: 12.OCT.2024 06:46:13

Middle Channel / 20MHz / 16QAM

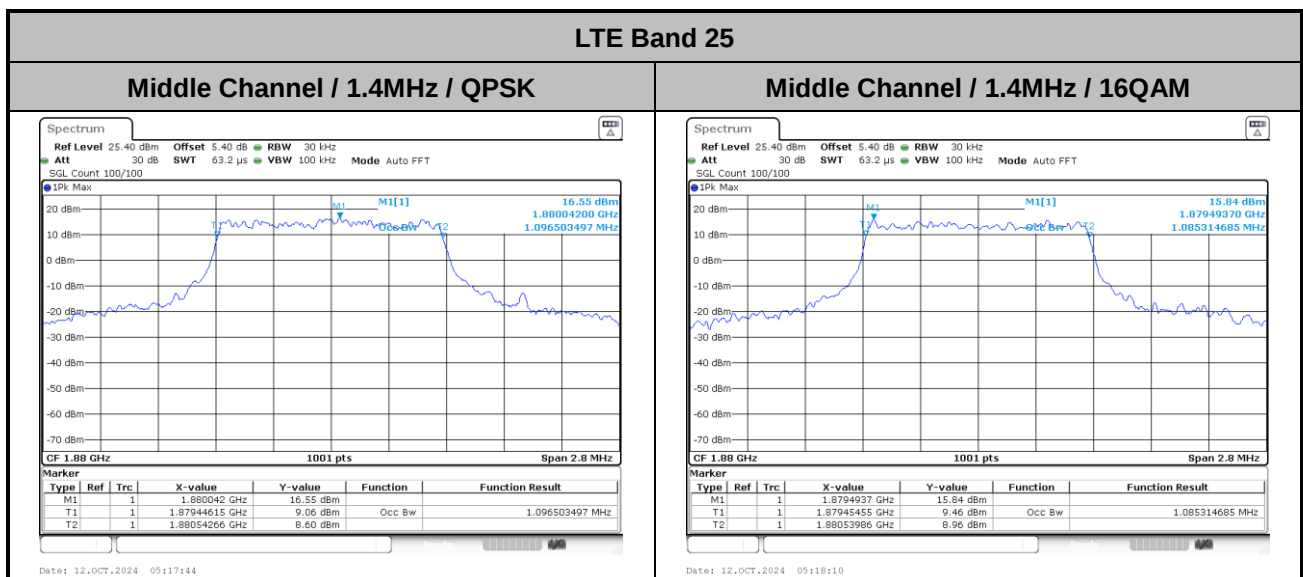


Date: 12.OCT.2024 06:46:139



Occupied Bandwidth

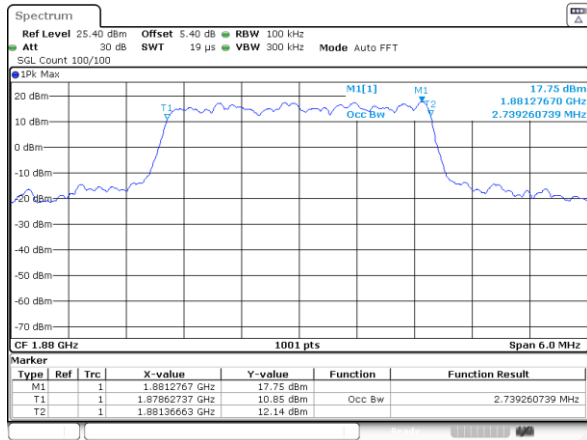
Mode	LTE Band 25 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.10	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.74	2.73
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.51
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.55
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.90



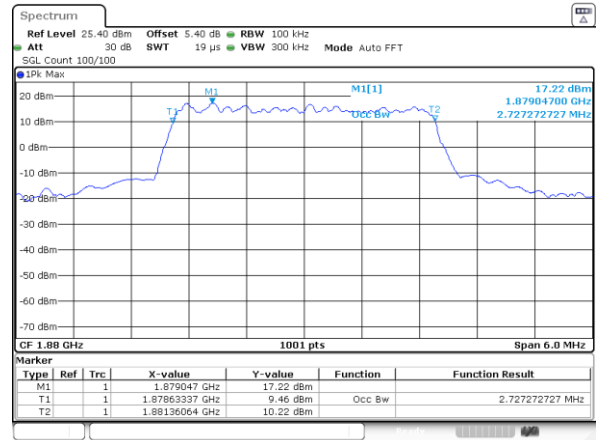


LTE Band 25

Middle Channel / 3MHz / QPSK

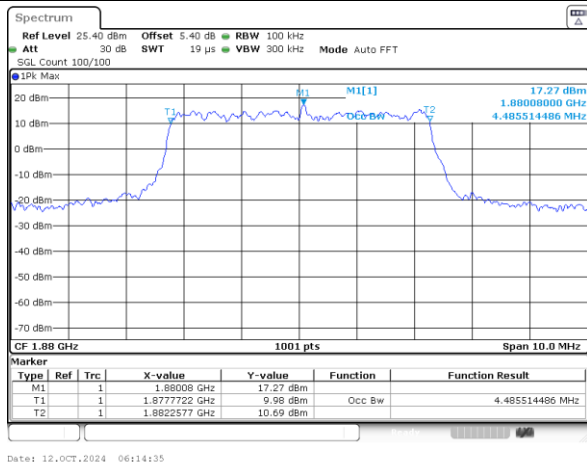


Middle Channel / 3MHz / 16QAM

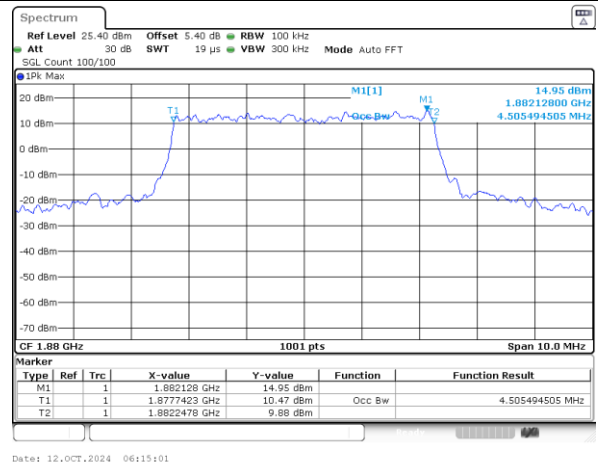


LTE Band 25

Middle Channel / 5MHz / QPSK

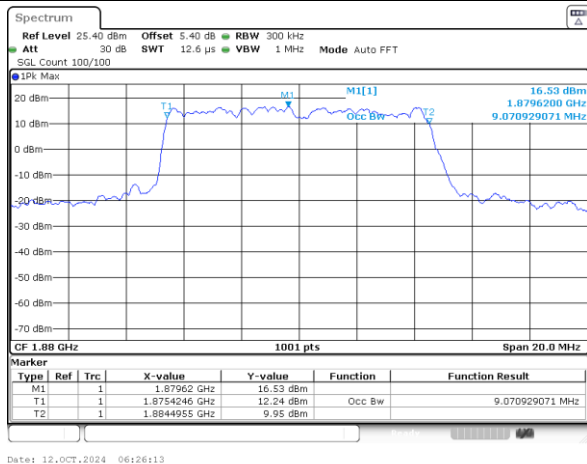


Middle Channel / 5MHz / 16QAM

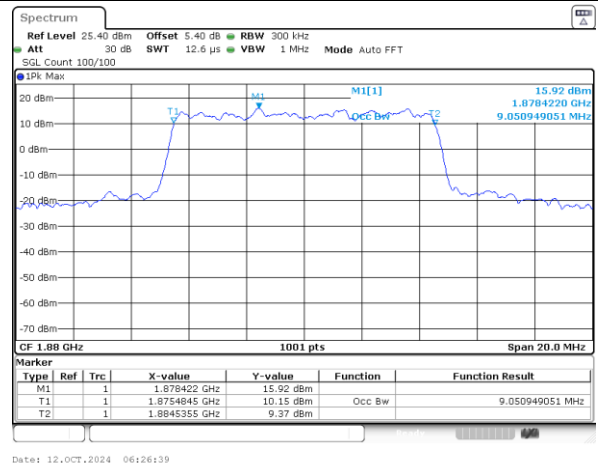


LTE Band 25

Middle Channel / 10MHz / QPSK



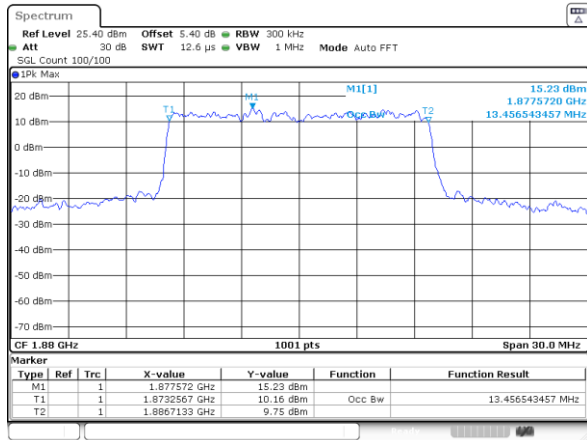
Middle Channel / 10MHz / 16QAM



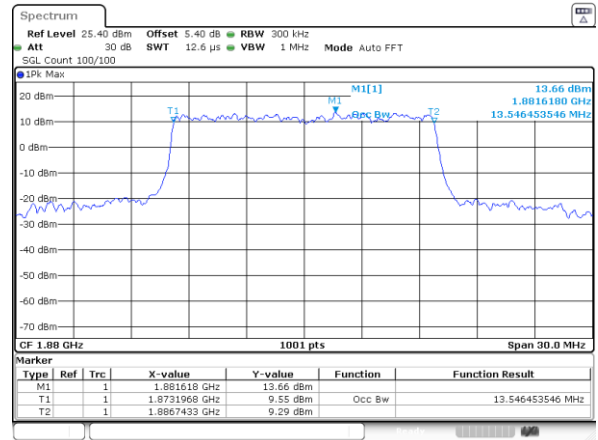


LTE Band 25

Middle Channel / 15MHz / QPSK

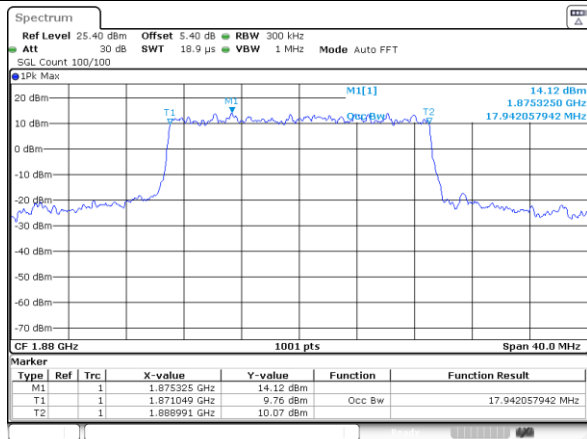


Middle Channel / 15MHz / 16QAM

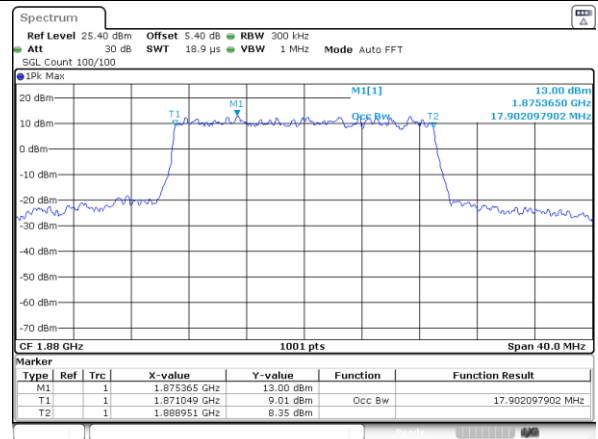


LTE Band 25

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

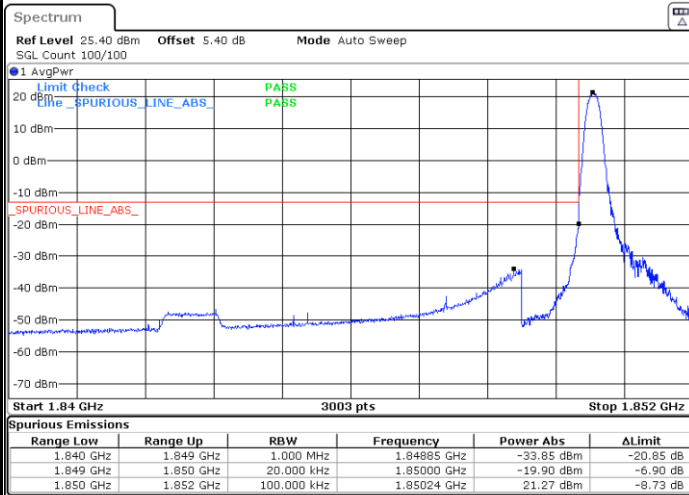




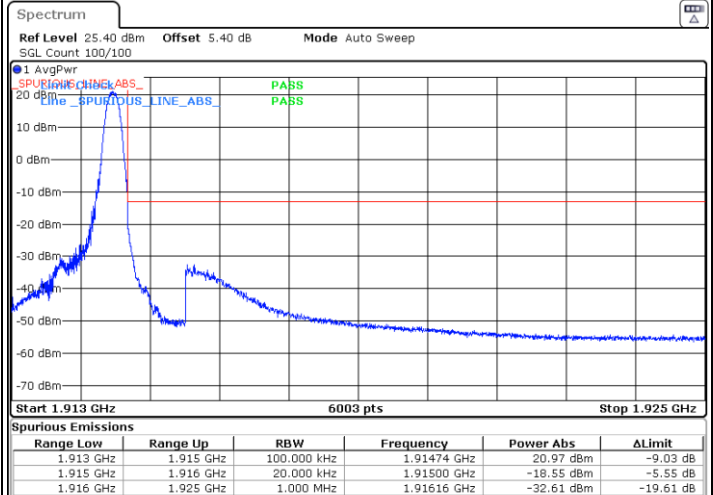
Conducted Band Edge

LTE Band 25 / 1.4MHz / QPSK

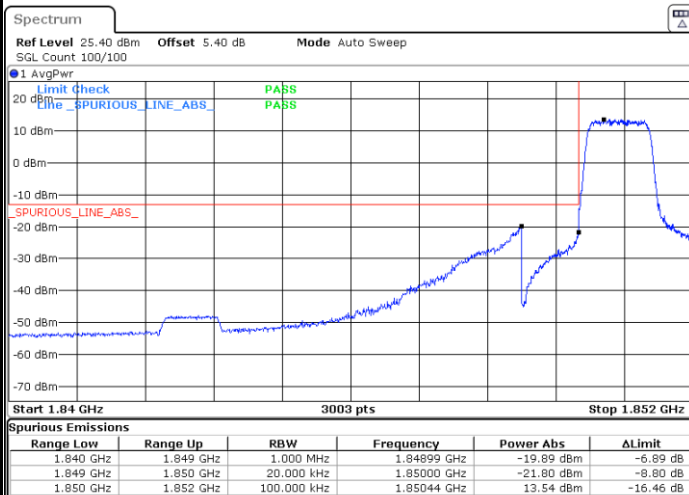
Lowest Band Edge / 1RB



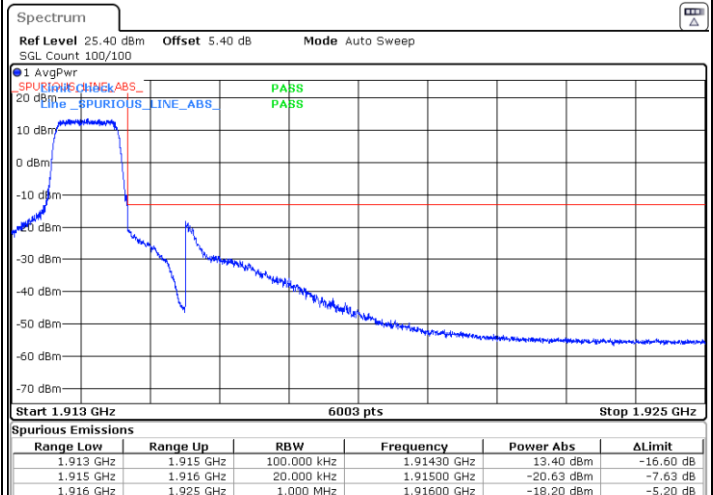
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



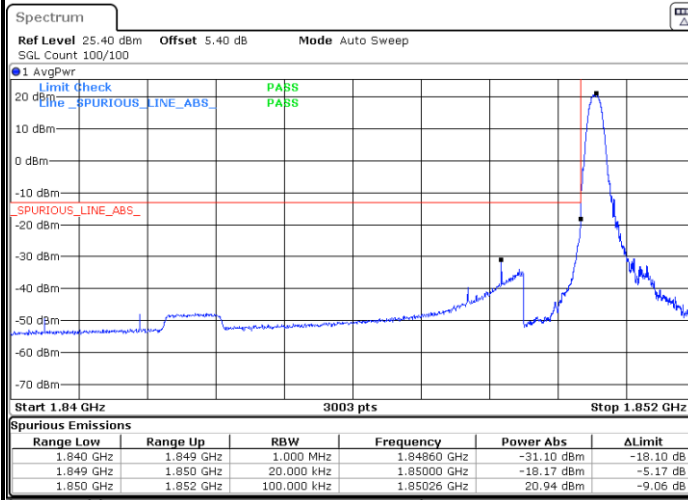
Highest Band Edge / Full RB



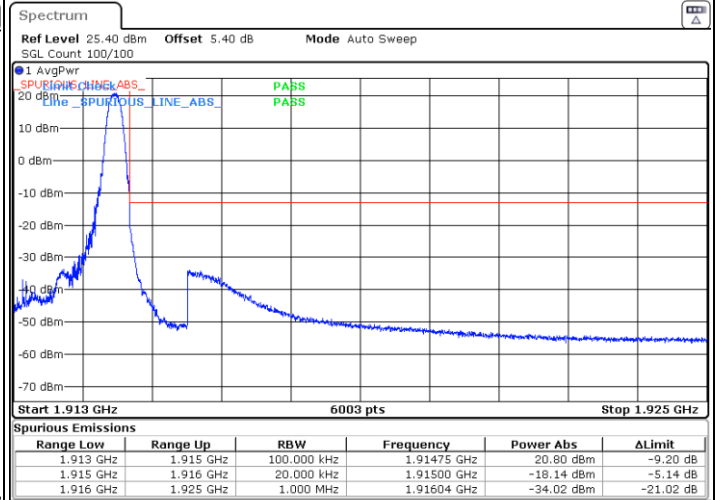


LTE Band 25 / 1.4MHz / 16QAM

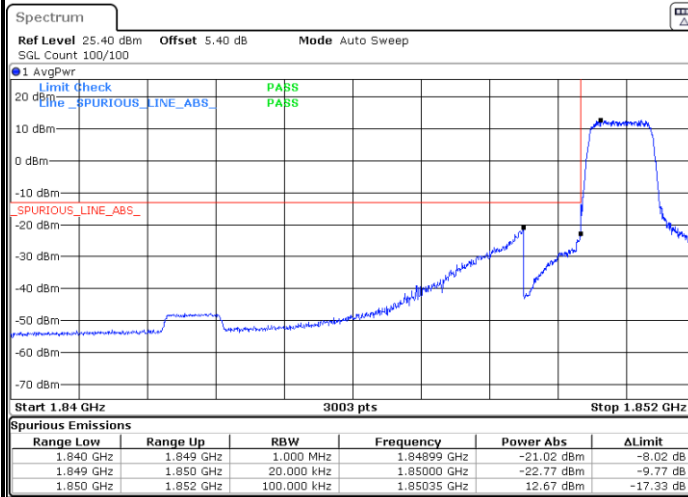
Lowest Band Edge / 1 RB



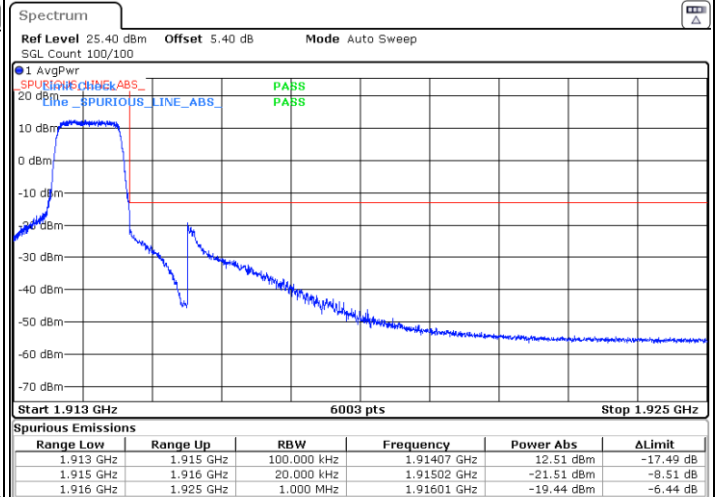
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



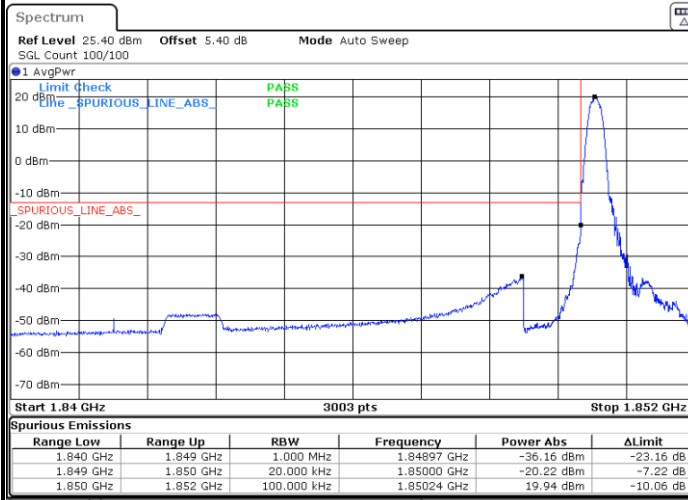
Highest Band Edge / Full RB



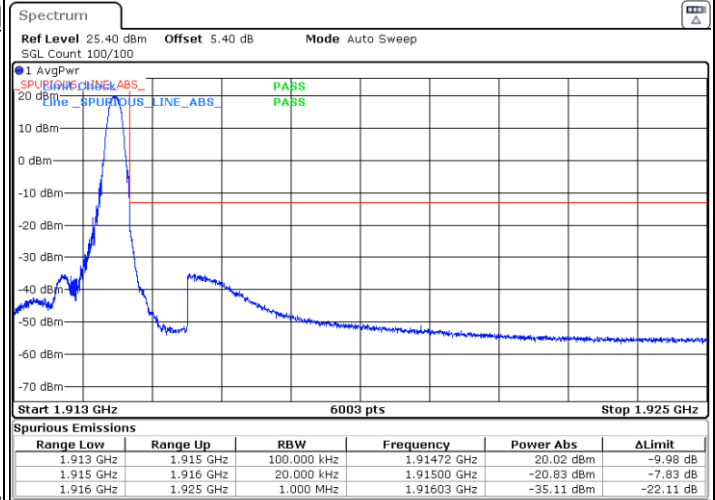


LTE Band 25 / 1.4MHz / 64QAM

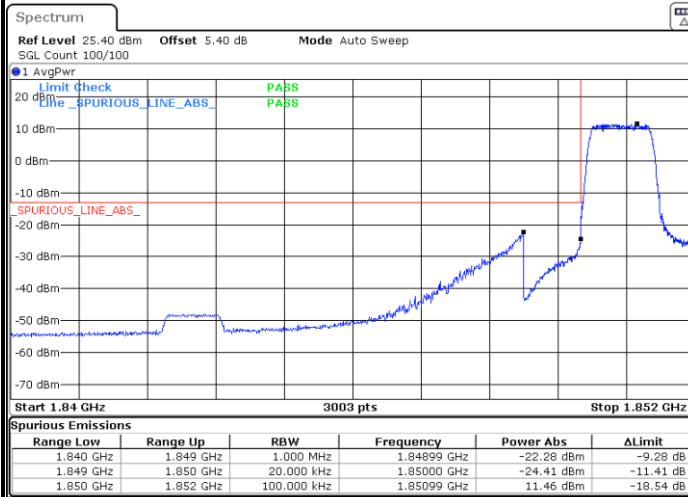
Lowest Band Edge / 1 RB



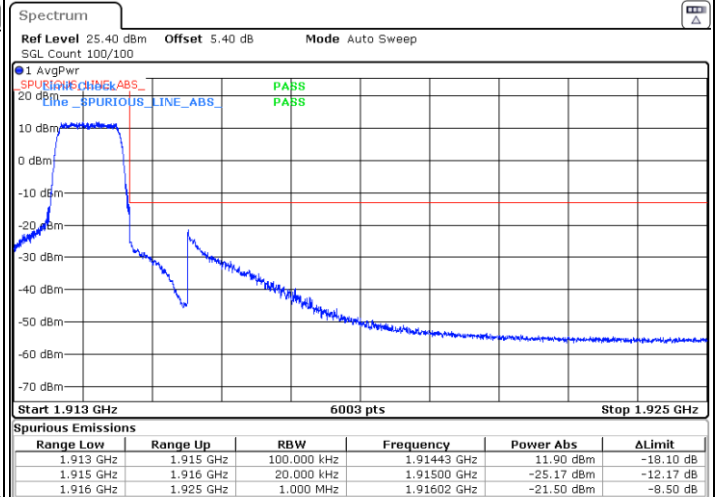
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



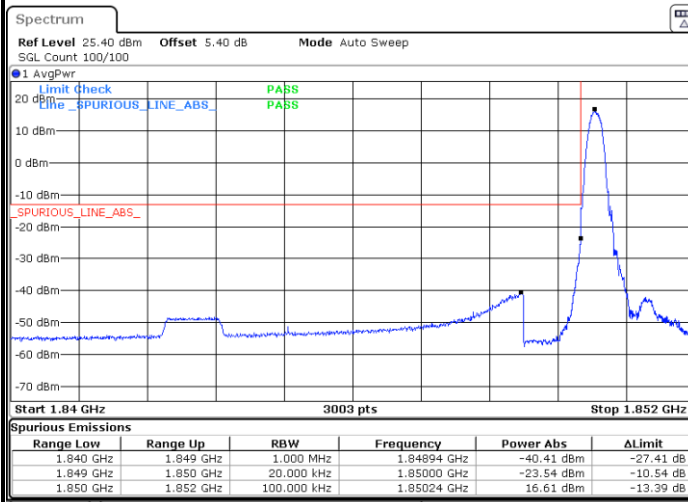
Highest Band Edge / Full RB



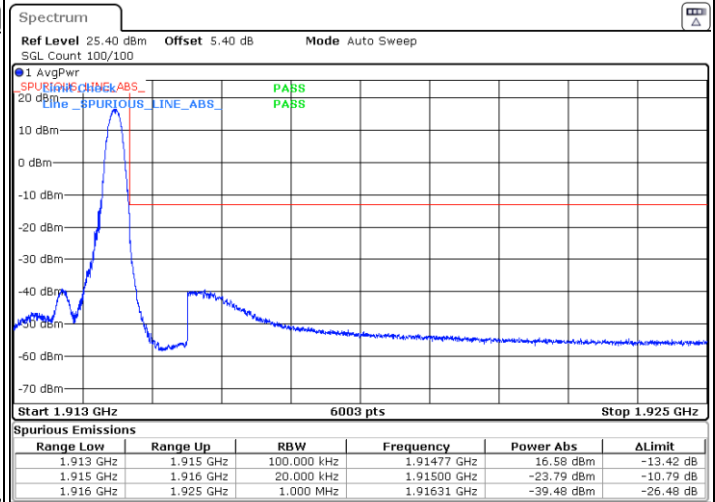


LTE Band 25 / 1.4MHz / 256QAM

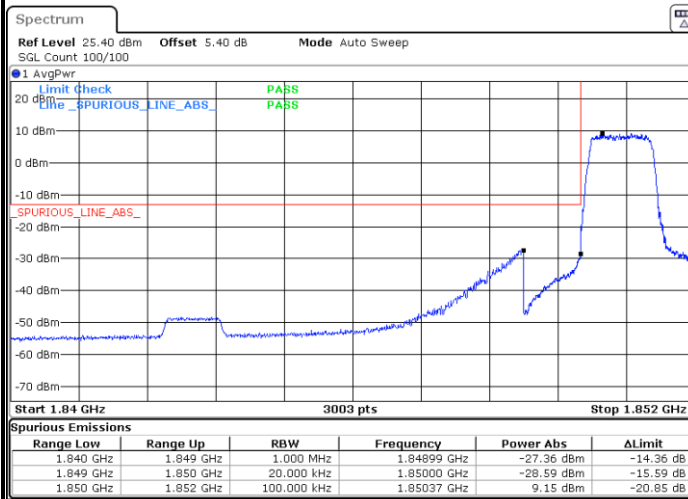
Lowest Band Edge / 1 RB



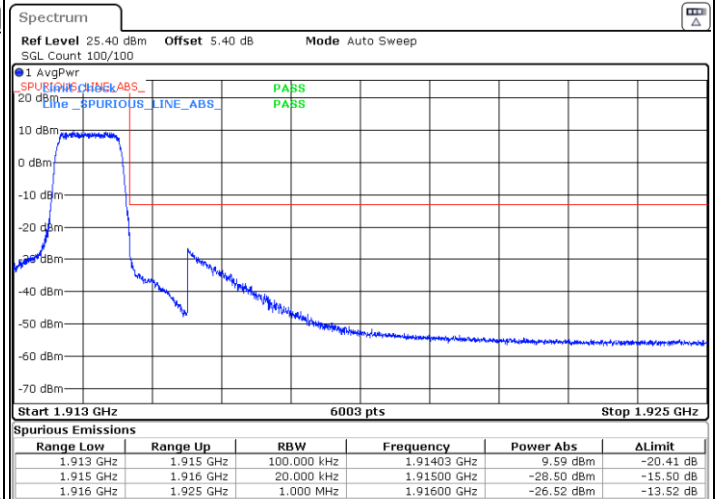
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



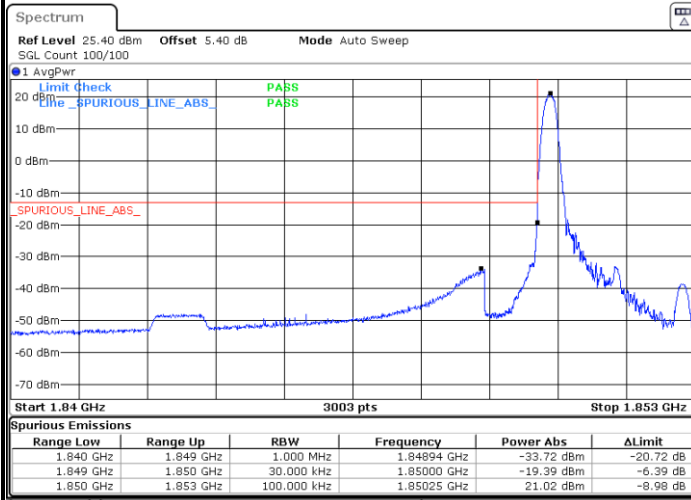
Highest Band Edge / Full RB





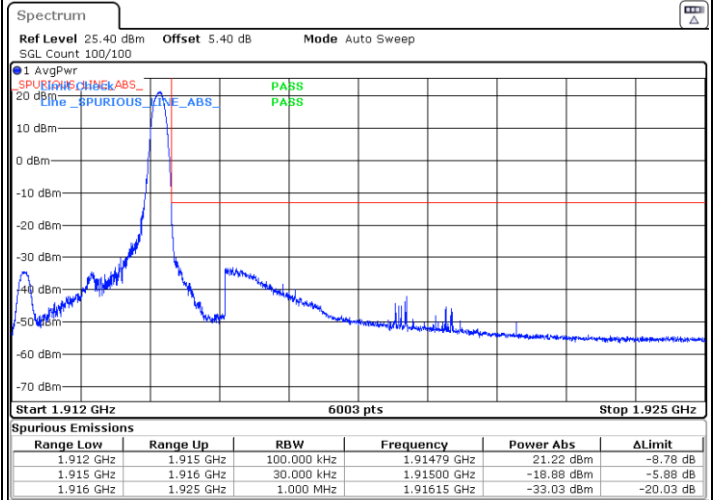
LTE Band 25 / 3MHz / QPSK

Lowest Band Edge / 1RB



Date: 12.OCT.2024 08:29:29

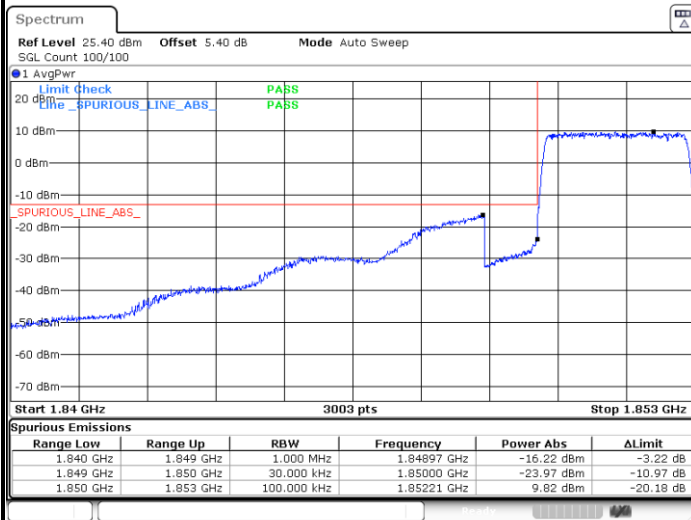
Highest Band Edge / 1 RB



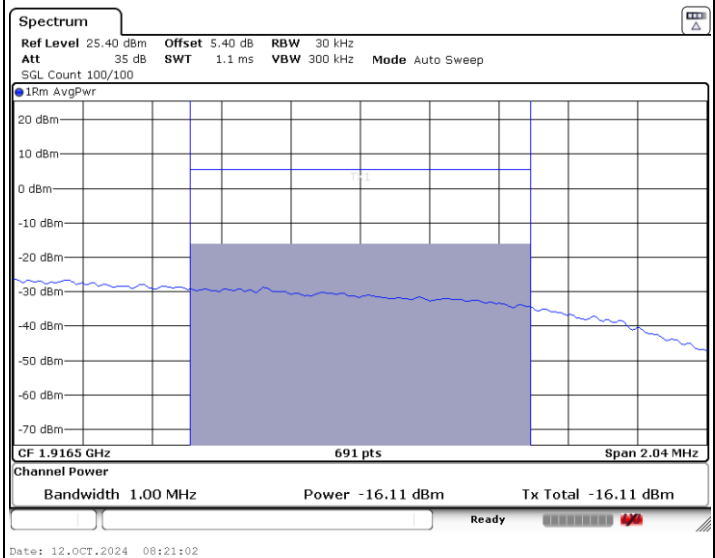
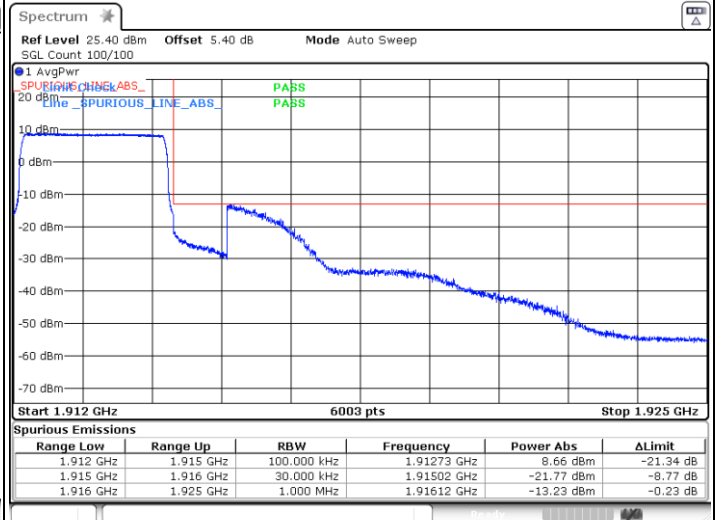
Date: 12.OCT.2024 08:33:02



Lowest Band Edge / Full RB



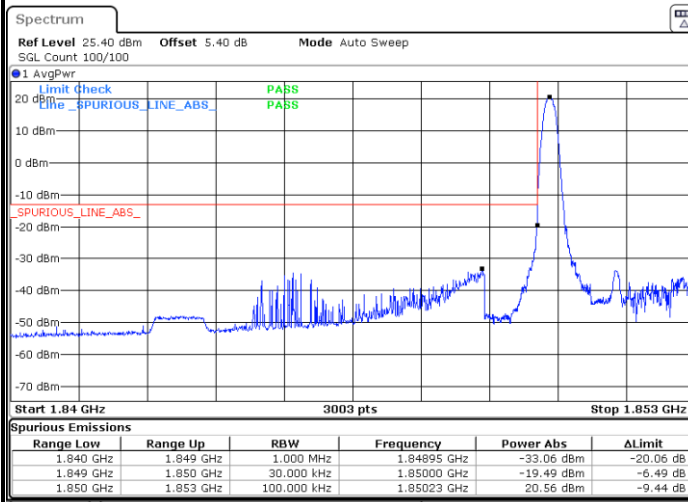
Highest Band Edge / Full RB



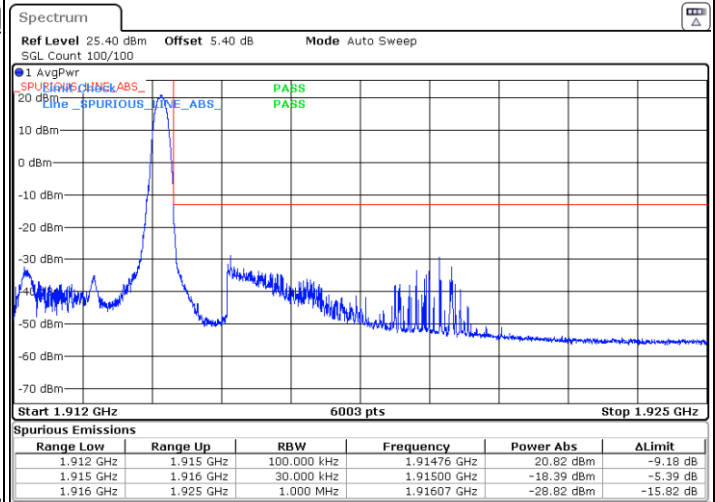


LTE Band 25 / 3MHz / 16QAM

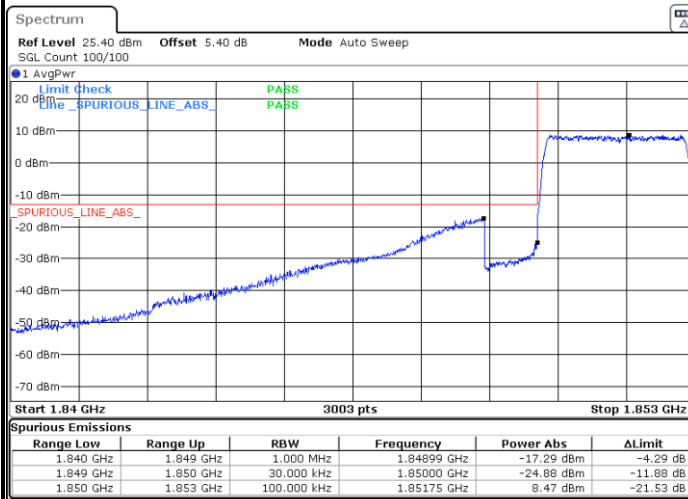
Lowest Band Edge / 1 RB



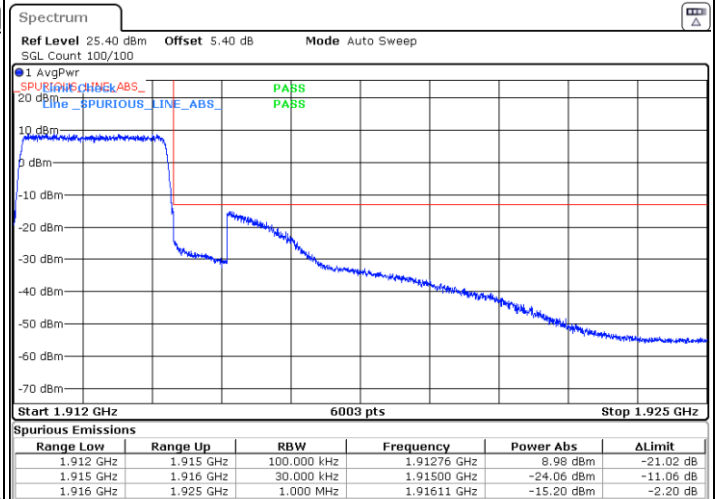
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



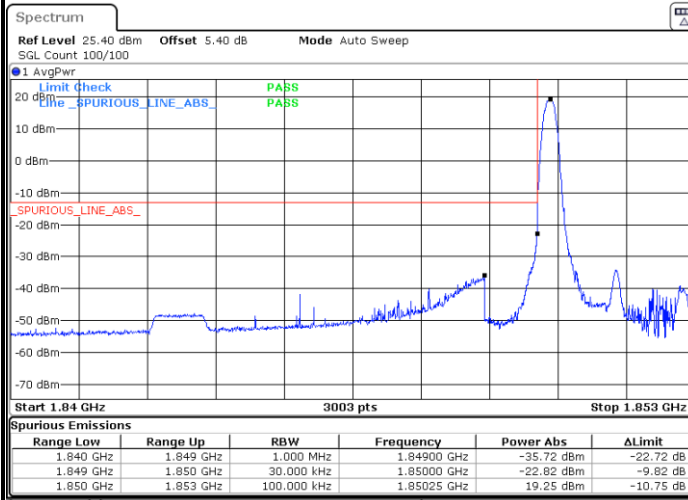
Highest Band Edge / Full RB



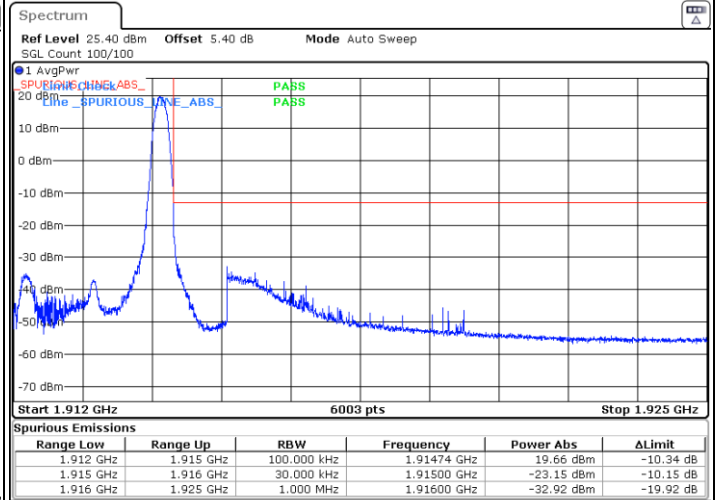


LTE Band 25 / 3MHz / 64QAM

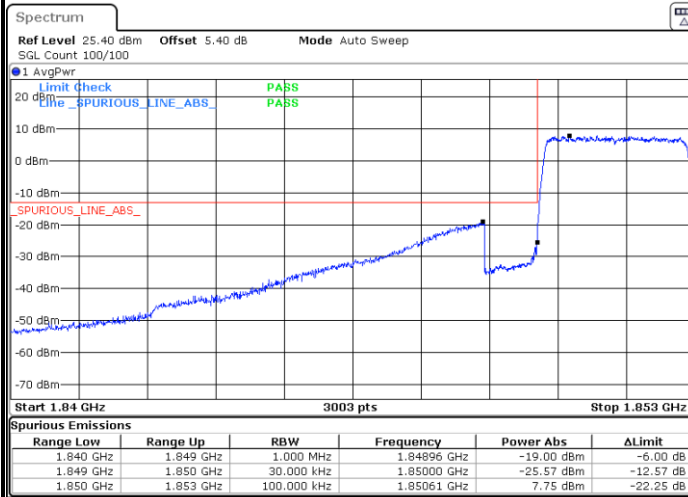
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

