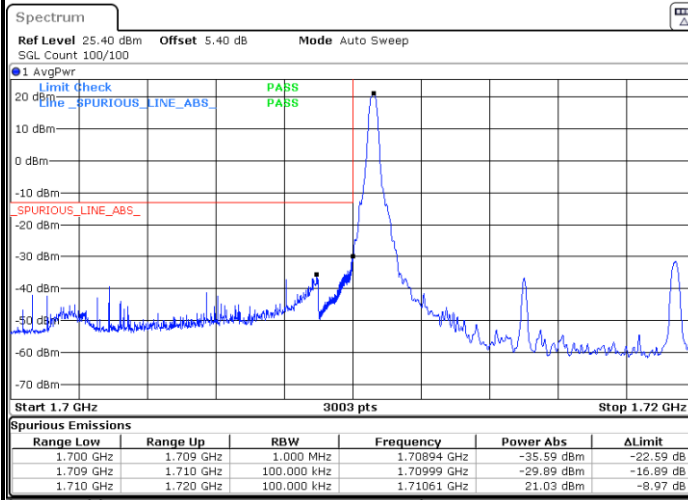


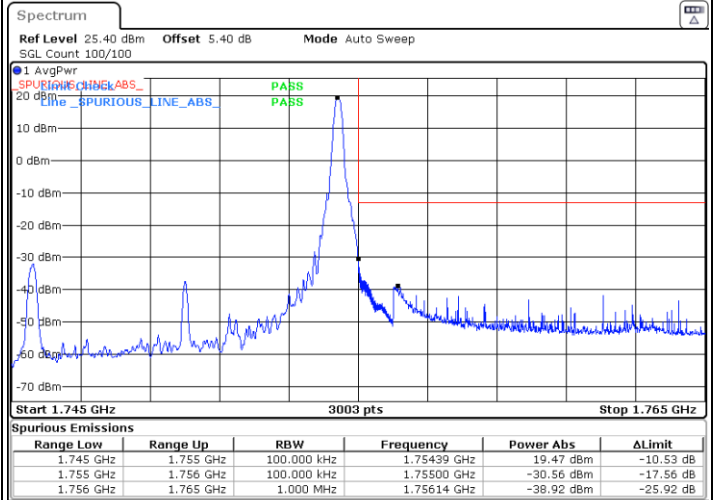


LTE Band 4 / 10MHz / 16QAM

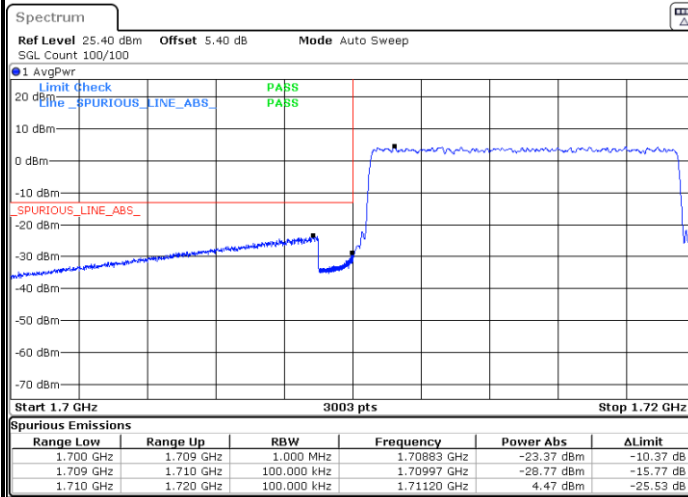
Lowest Band Edge / 1 RB



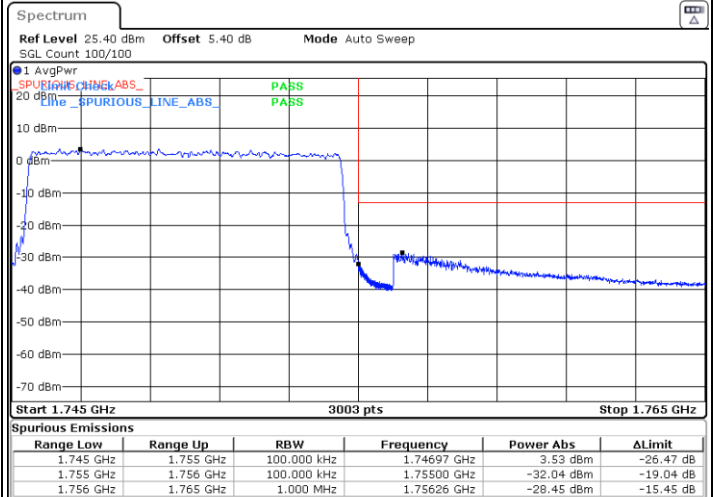
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



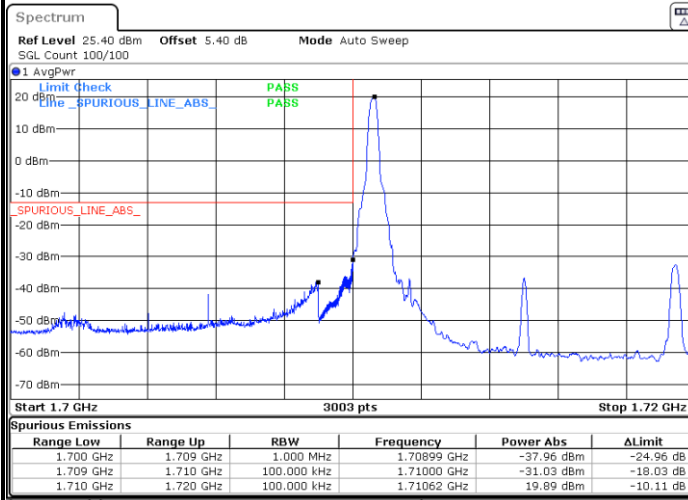
Highest Band Edge / Full RB



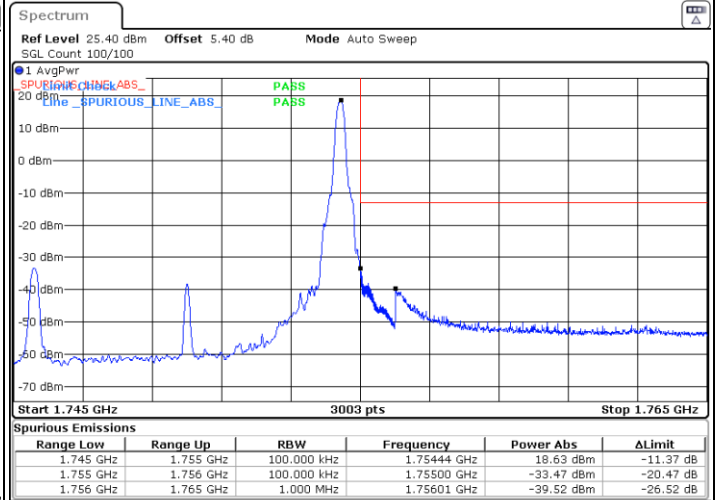


LTE Band 4 / 10MHz / 64QAM

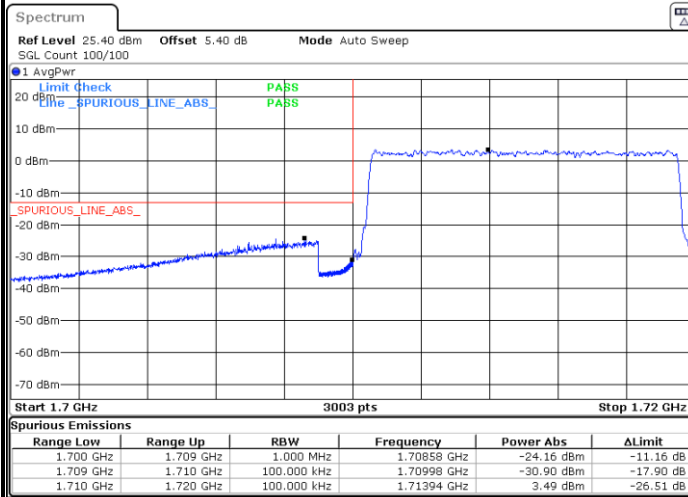
Lowest Band Edge / 1 RB



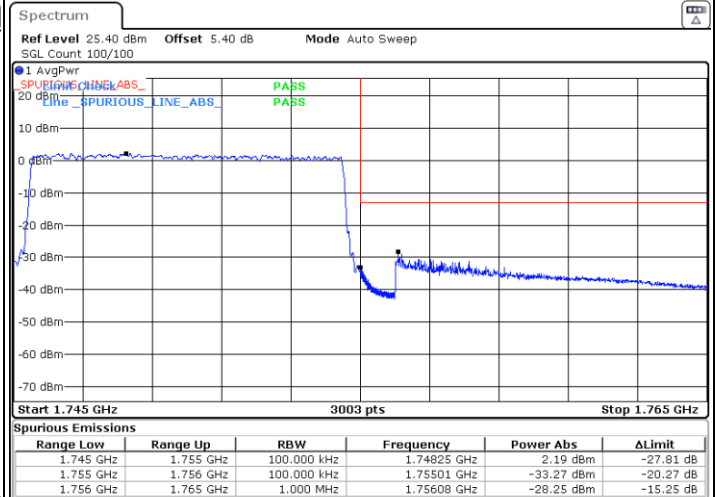
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



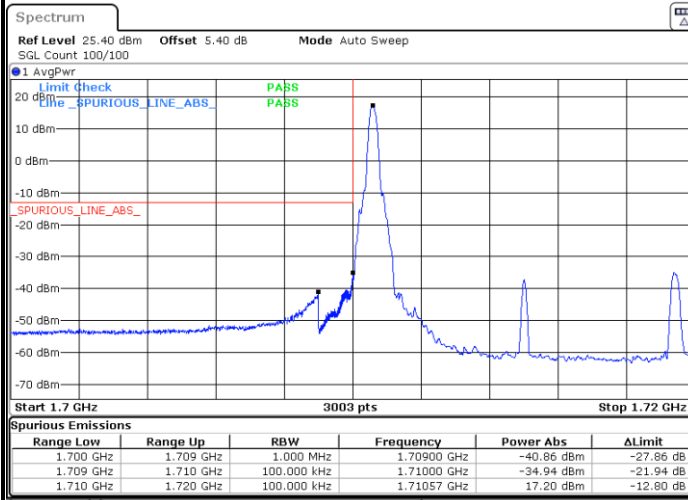
Highest Band Edge / Full RB



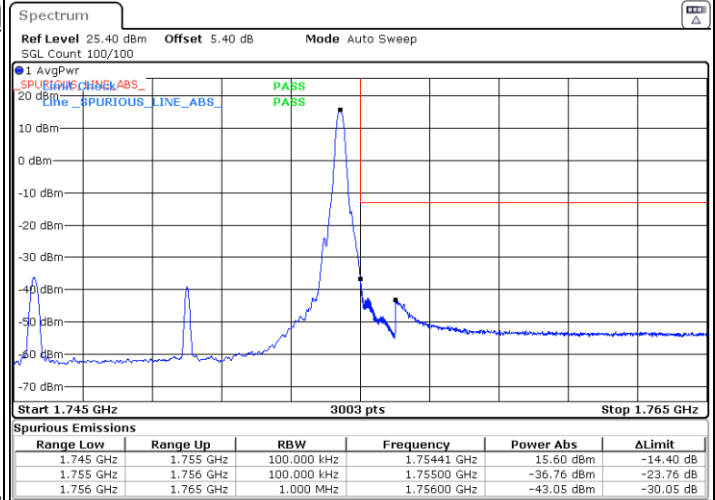


LTE Band 4 / 10MHz / 256QAM

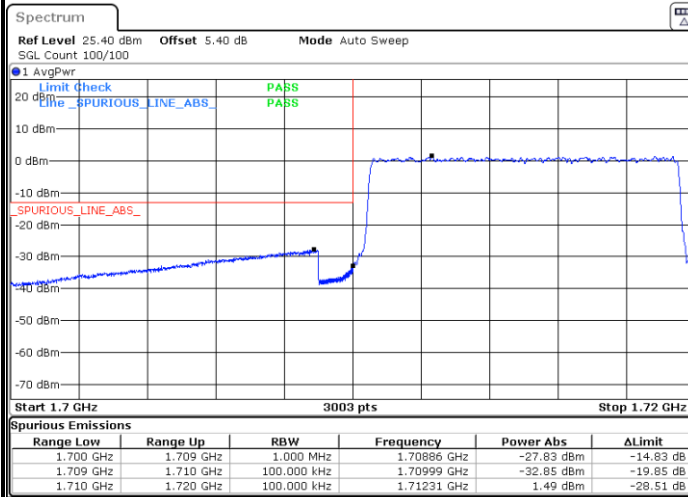
Lowest Band Edge / 1 RB



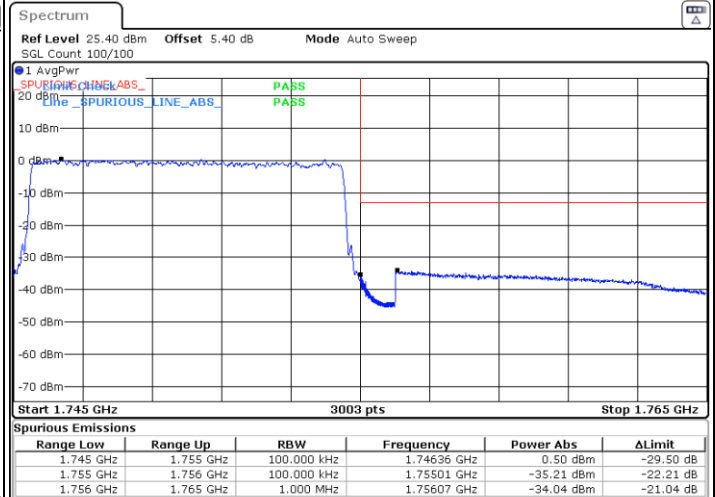
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



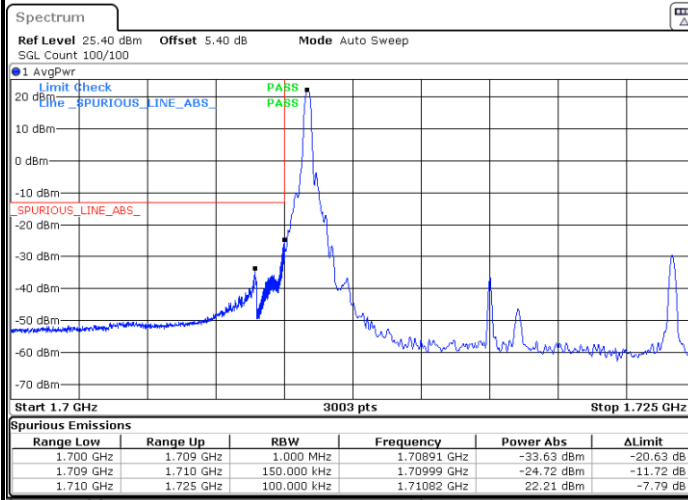
Highest Band Edge / Full RB



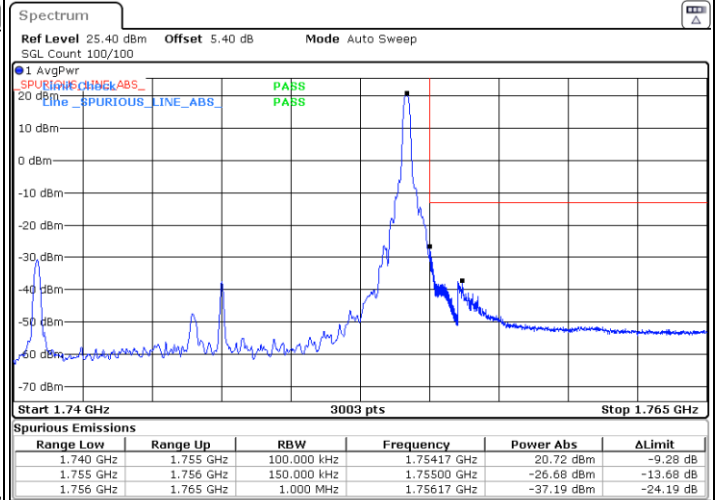


LTE Band 4 / 15MHz / QPSK

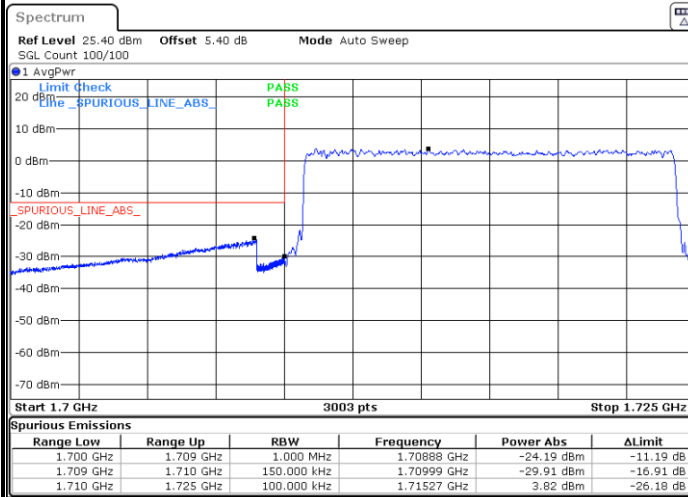
Lowest Band Edge / 1 RB



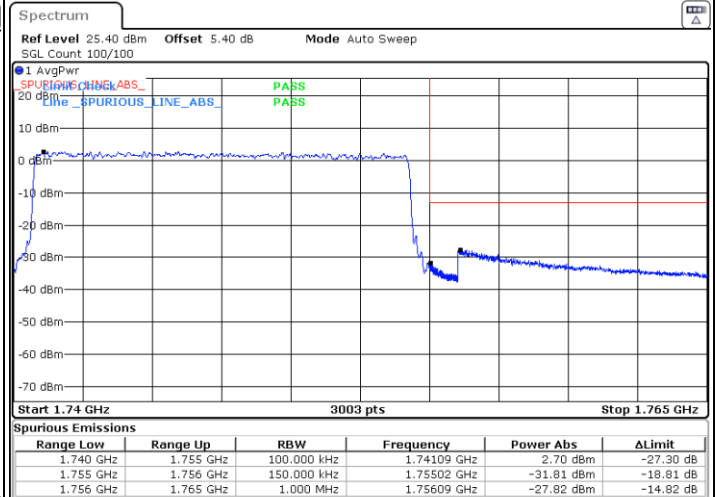
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



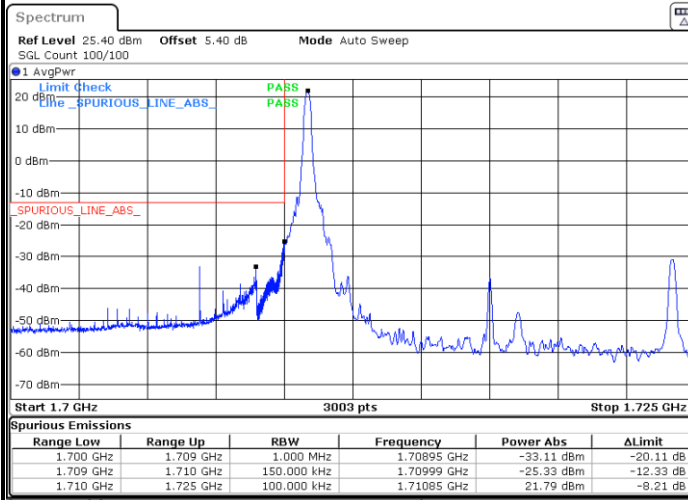
Highest Band Edge / Full RB



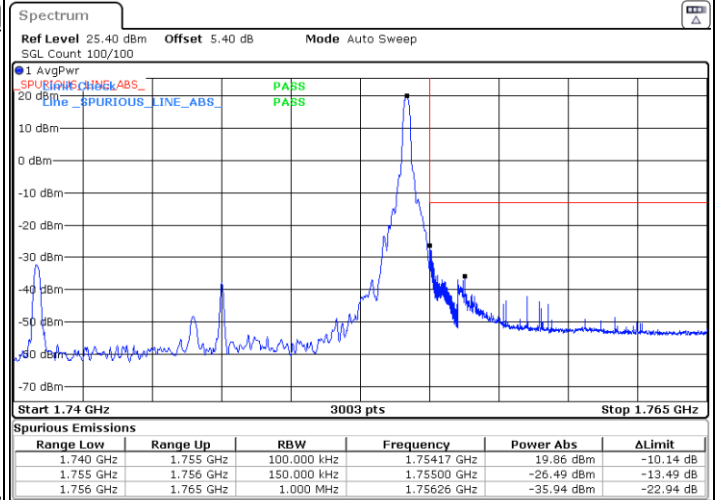


LTE Band 4 / 15MHz / 16QAM

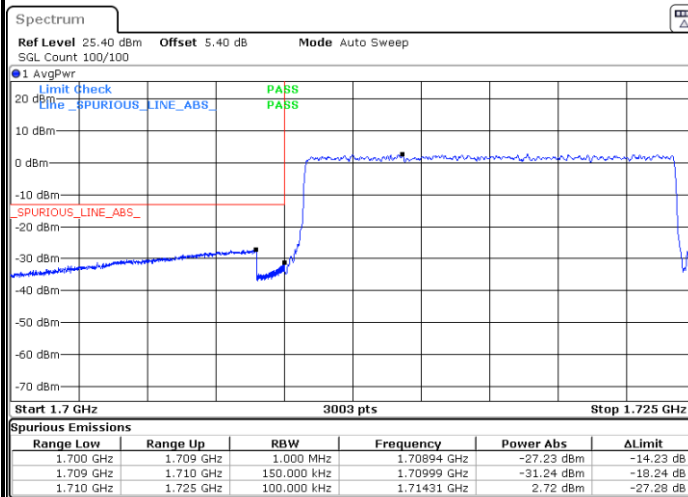
Lowest Band Edge / 1 RB



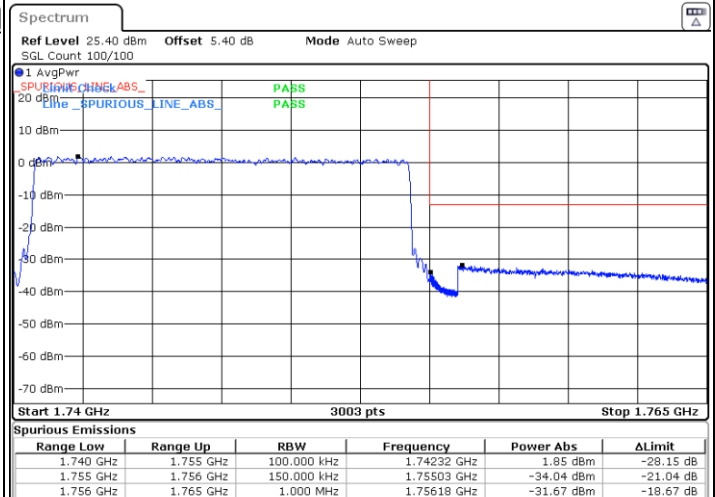
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



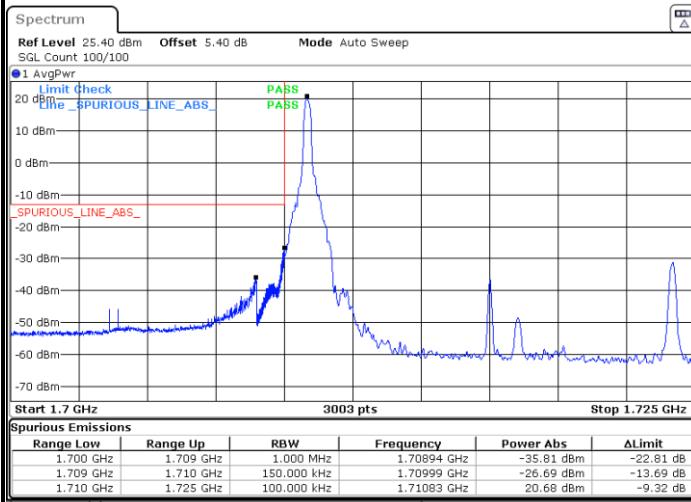
Highest Band Edge / Full RB



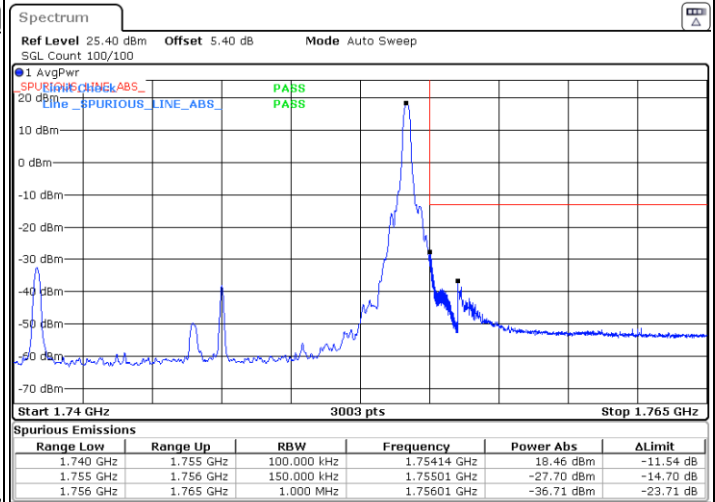


LTE Band 4 / 15MHz / 64QAM

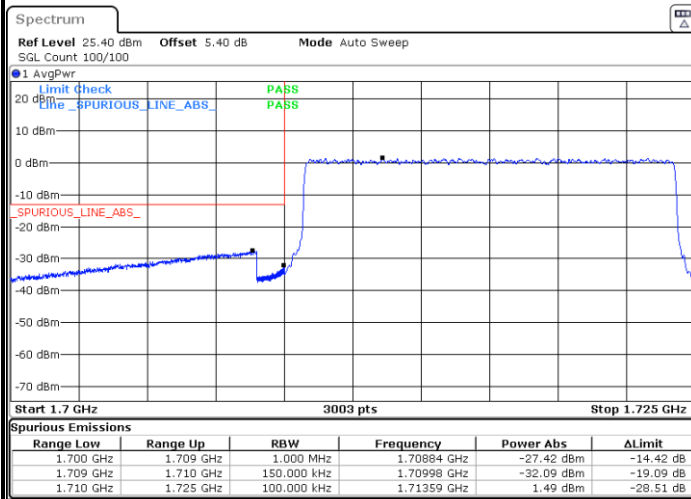
Lowest Band Edge / 1 RB



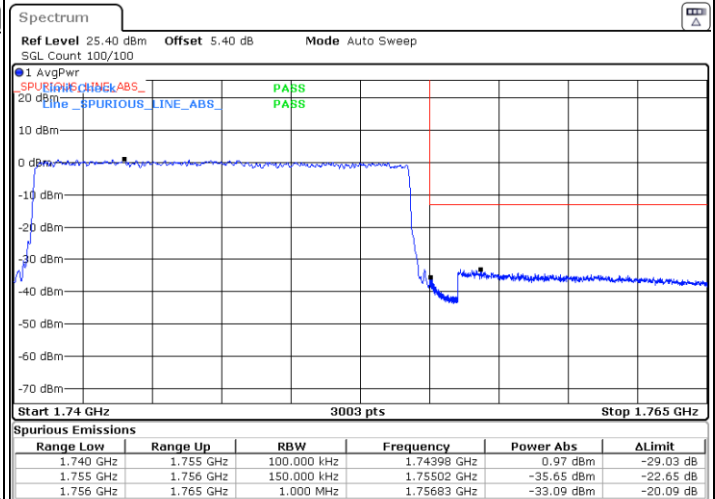
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



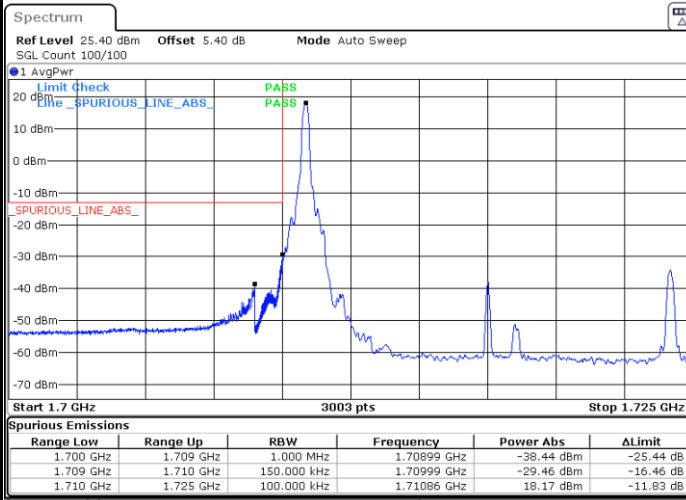
Highest Band Edge / Full RB



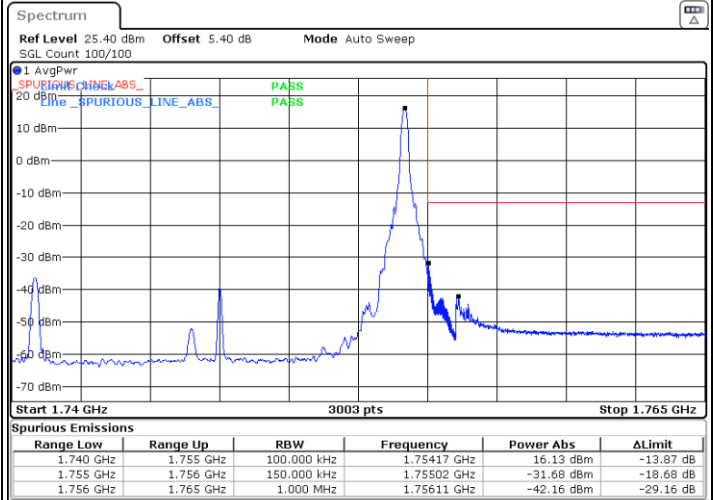


LTE Band 4 / 15MHz / 256QAM

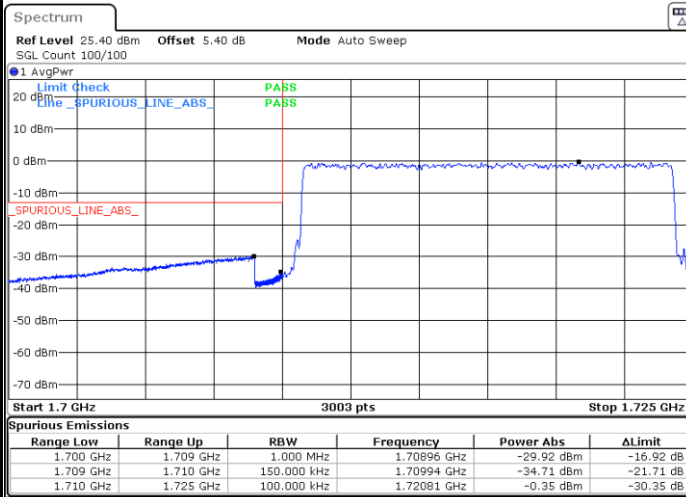
Lowest Band Edge / 1 RB



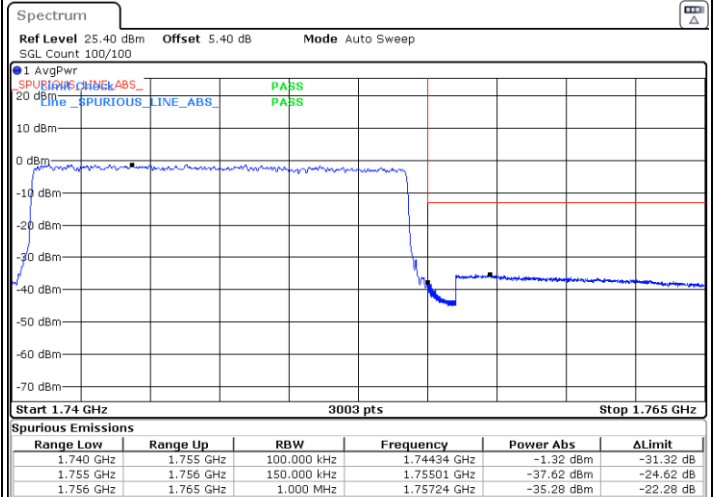
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



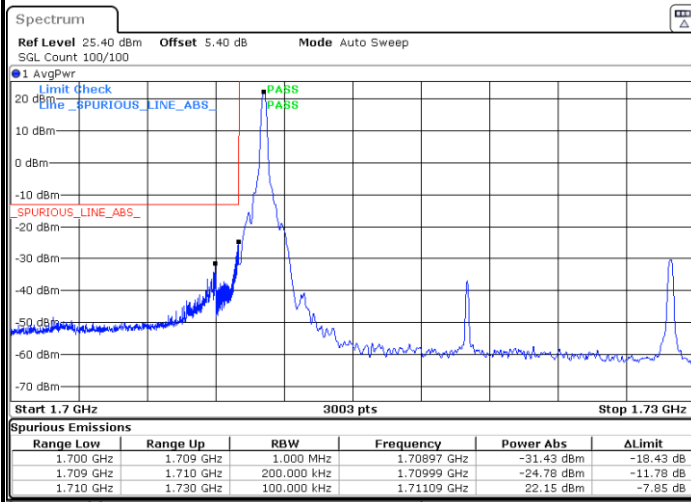
Highest Band Edge / Full RB



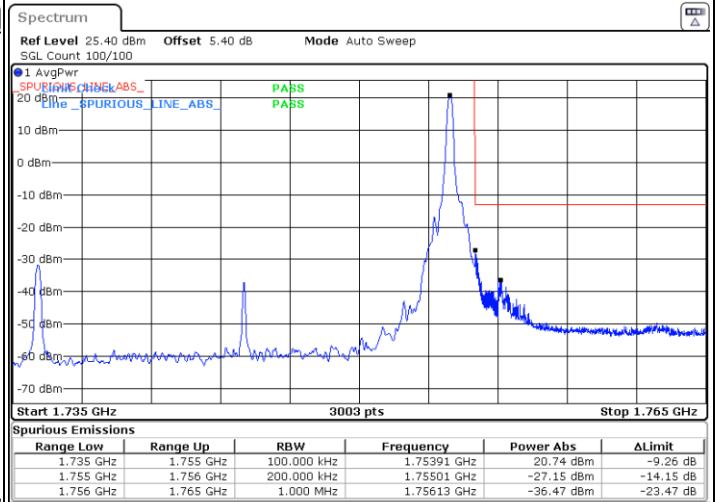


LTE Band 4 / 20MHz / QPSK

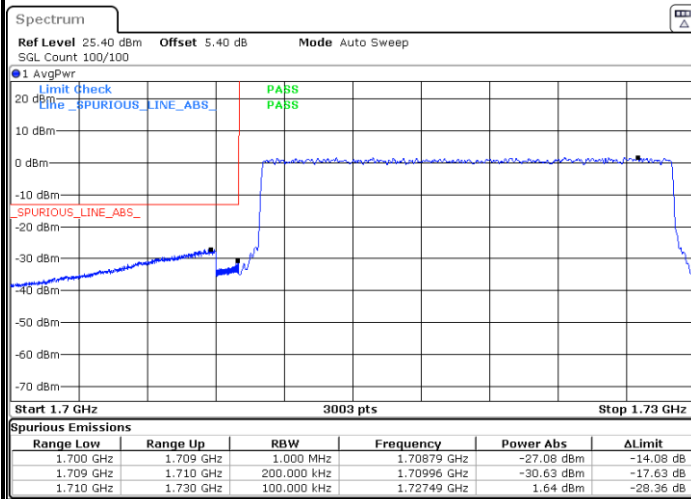
Lowest Band Edge / 1 RB



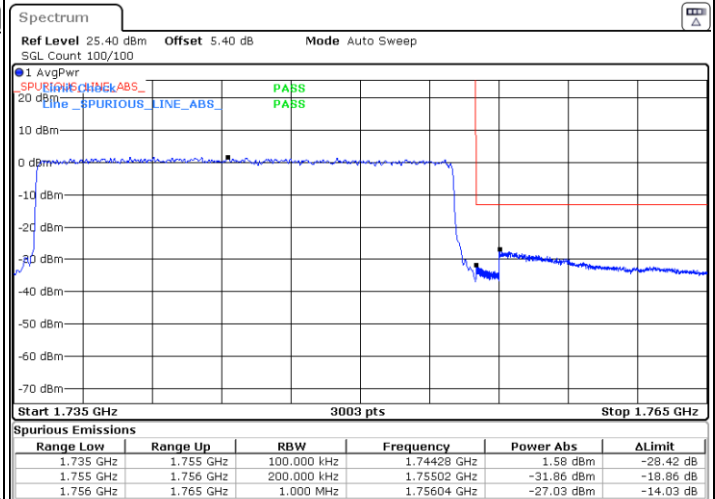
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



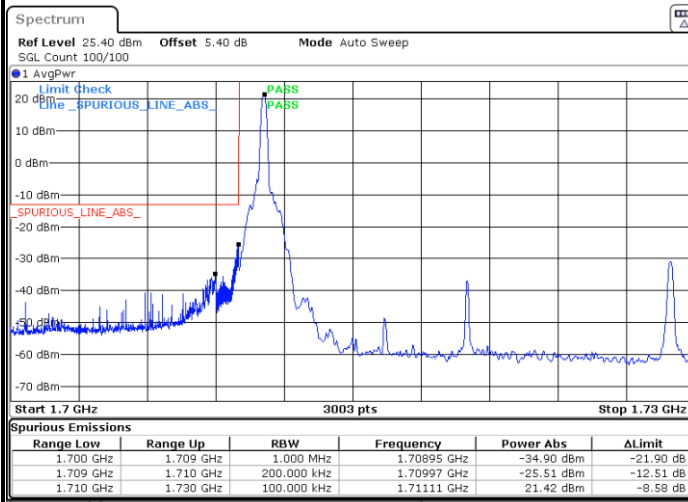
Highest Band Edge / Full RB



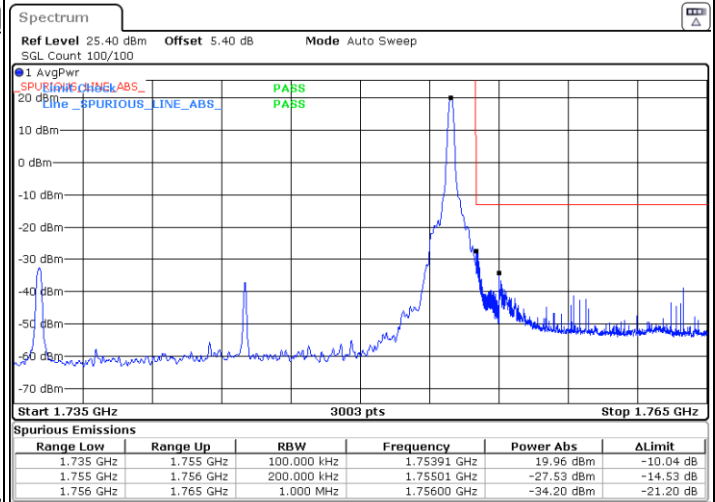


LTE Band 4 / 20MHz / 16QAM

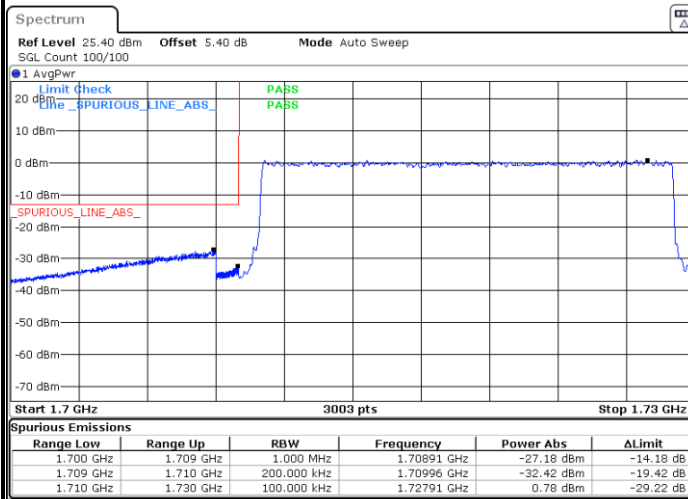
Lowest Band Edge / 1 RB



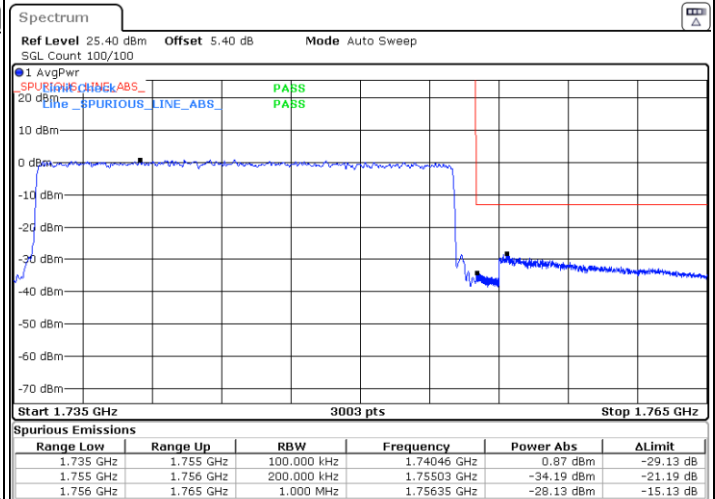
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



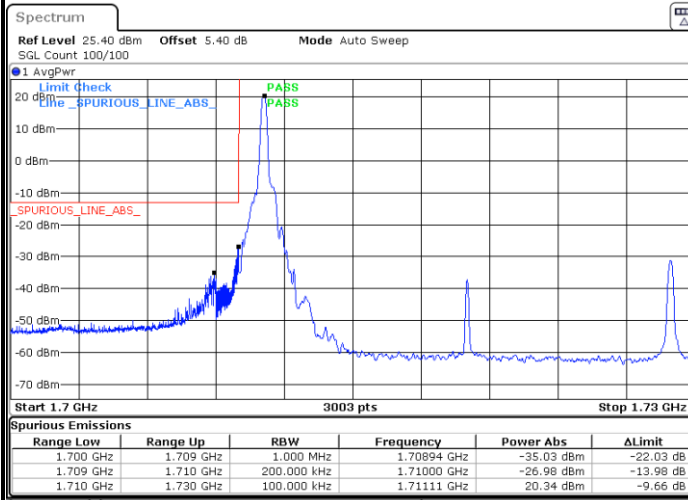
Highest Band Edge / Full RB



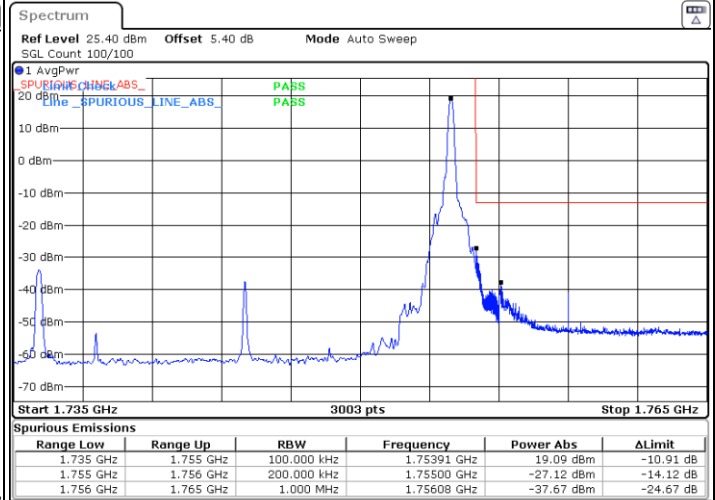


LTE Band 4 / 20MHz / 64QAM

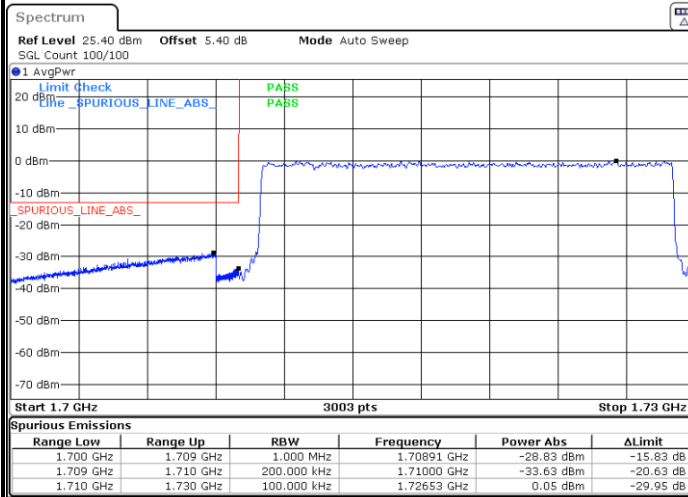
Lowest Band Edge / 1 RB



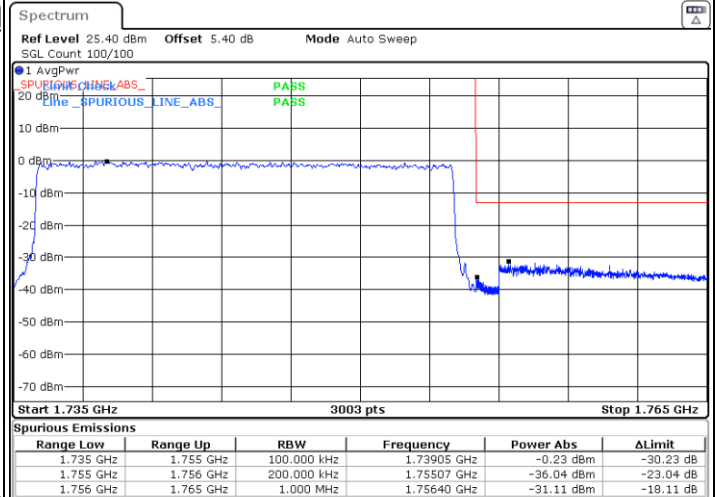
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



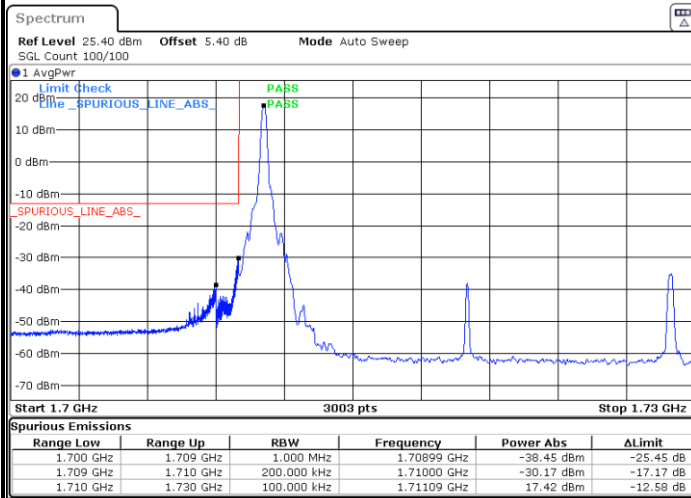
Highest Band Edge / Full RB



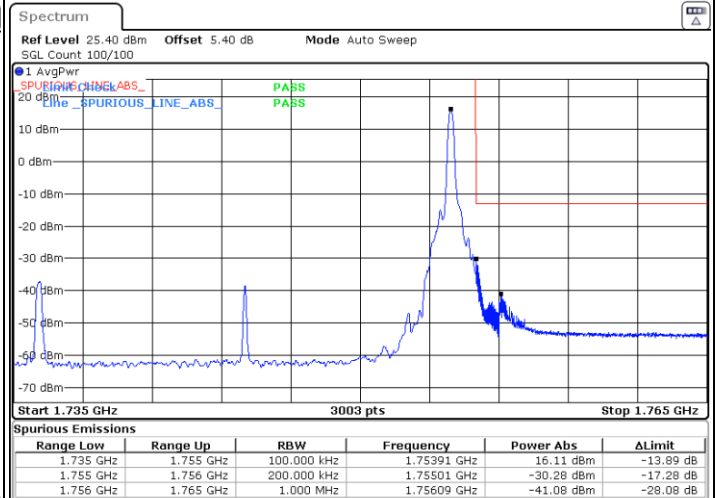


LTE Band 4 / 20MHz / 256QAM

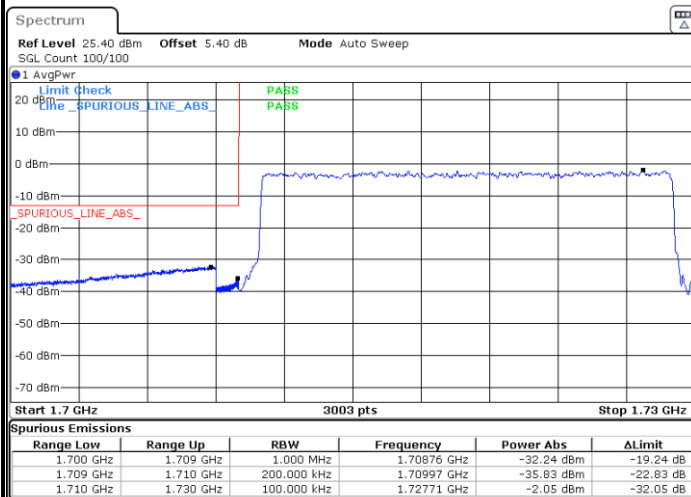
Lowest Band Edge / 1 RB



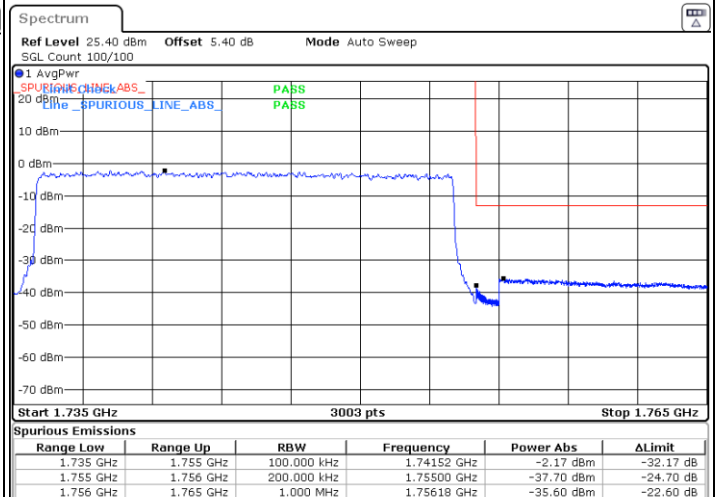
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

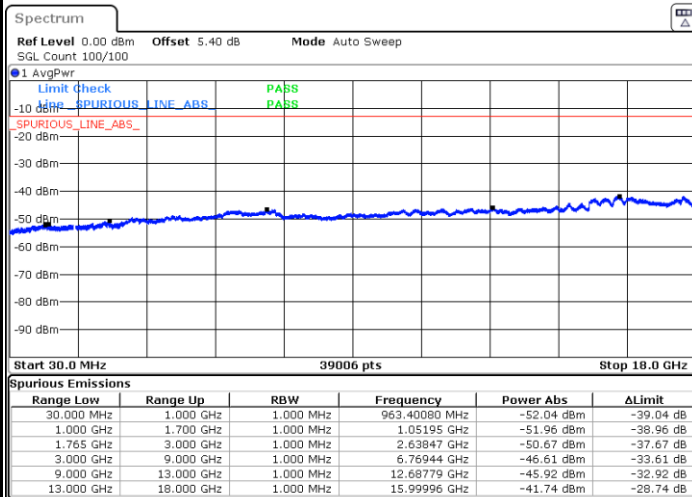




Conducted Spurious Emission

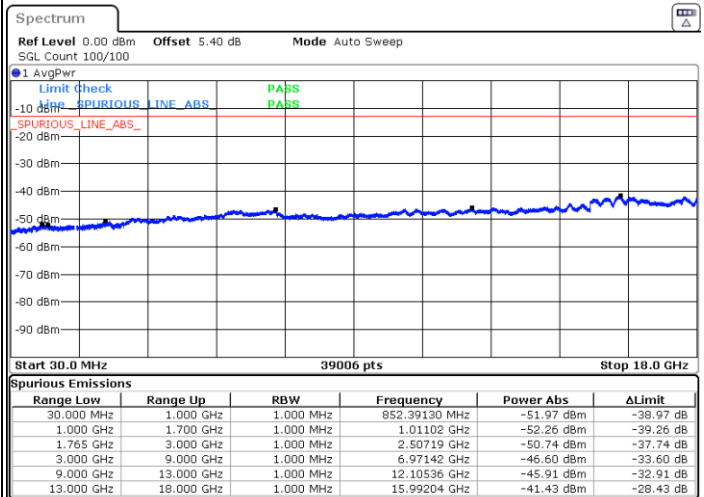
LTE Band 4 / 1.4MHz

Lowest Channel / QPSK



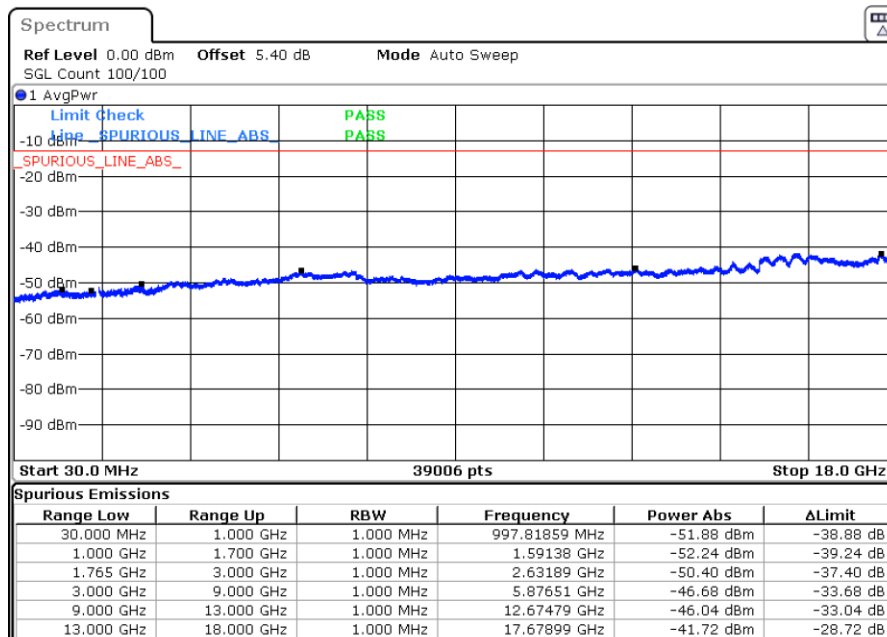
Date: 25.SEP.2024 04:21:51

Middle Channel / QPSK



Date: 25.SEP.2024 04:45:32

Highest Channel / QPSK



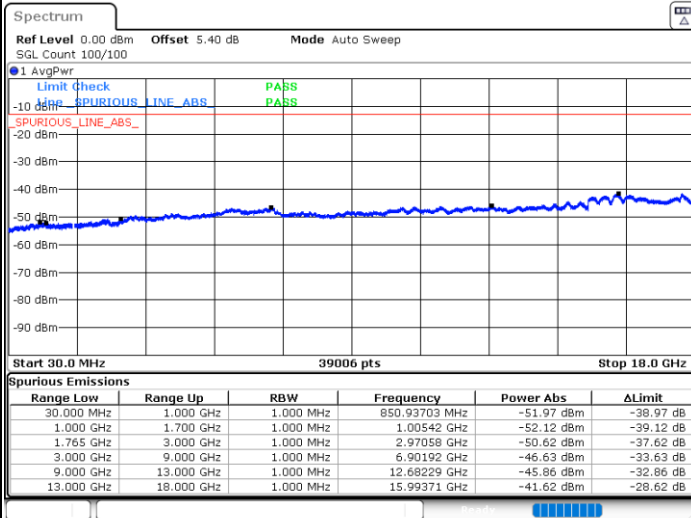
Date: 25.SEP.2024 04:46:57



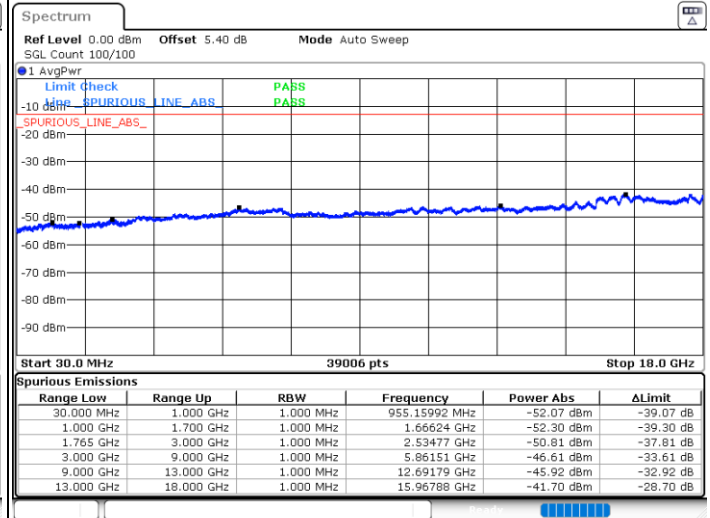
LTE Band 4 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

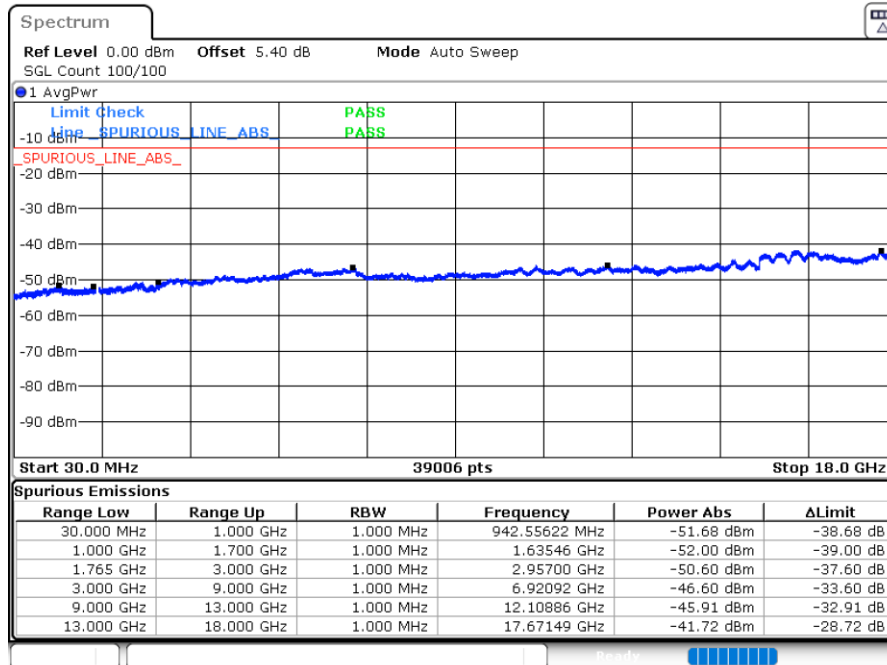


Date: 25.SEP.2024 05:32:01



Date: 25.SEP.2024 05:42:01

Highest Channel / QPSK

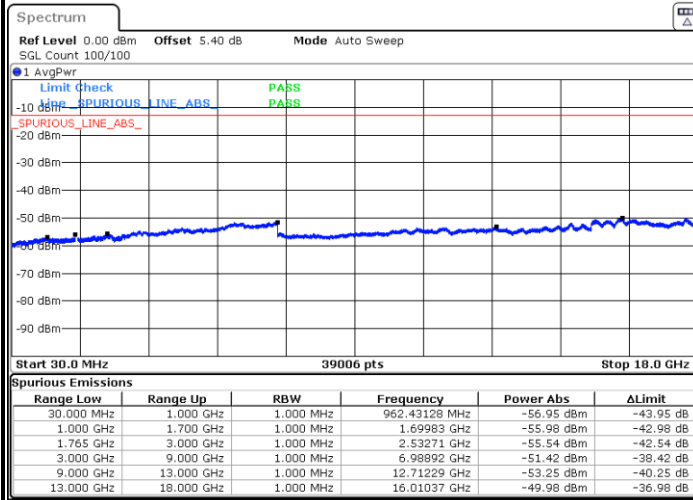


Date: 25.SEP.2024 05:43:28



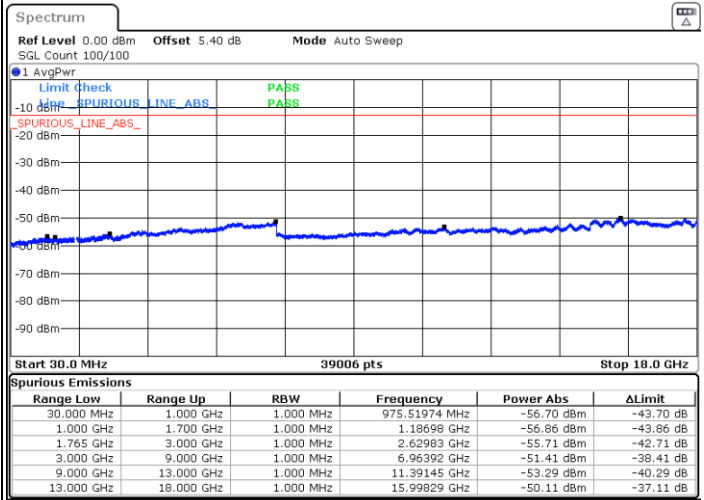
LTE Band 4 / 5MHz

Lowest Channel / QPSK



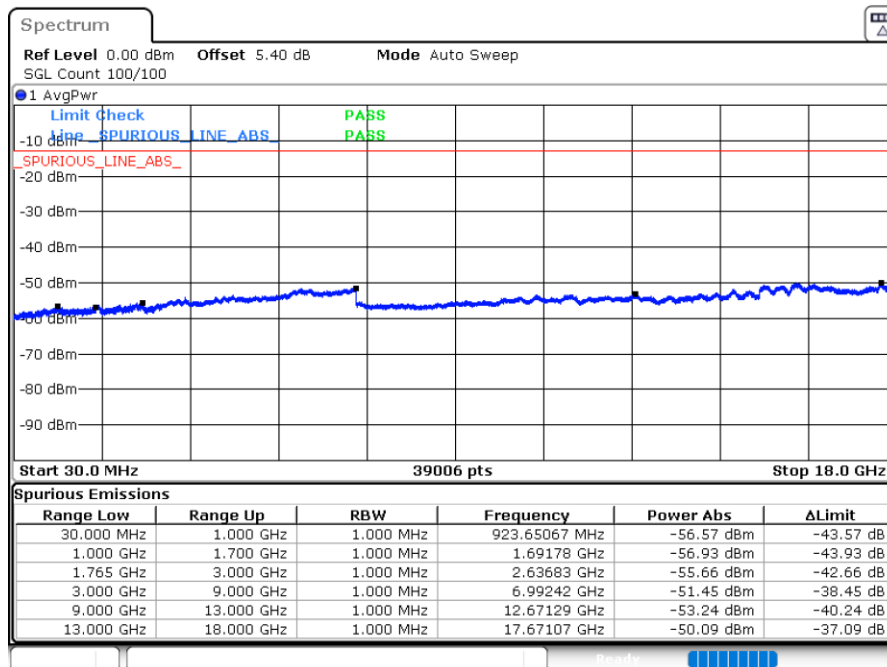
Date: 25.SEP.2024 05:54:49

Middle Channel / QPSK



Date: 25.SEP.2024 06:04:07

Highest Channel / QPSK

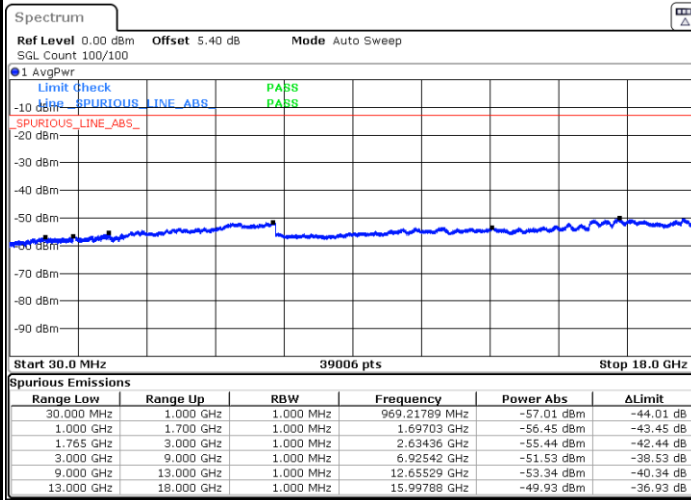


Date: 25.SEP.2024 06:05:32



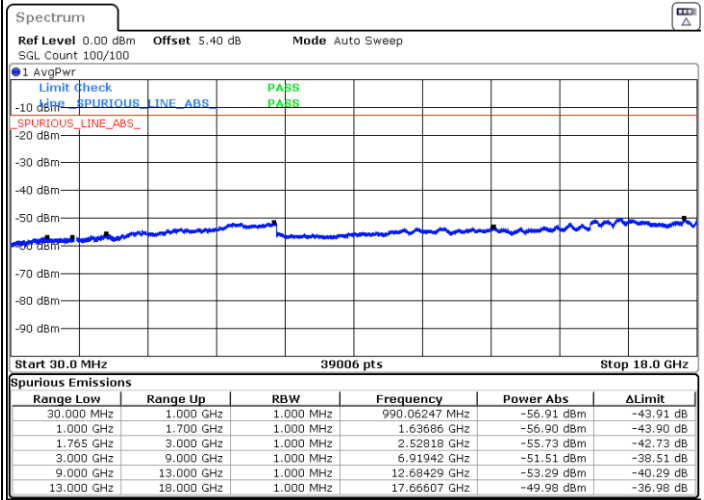
LTE Band 4 / 10MHz

Lowest Channel / QPSK



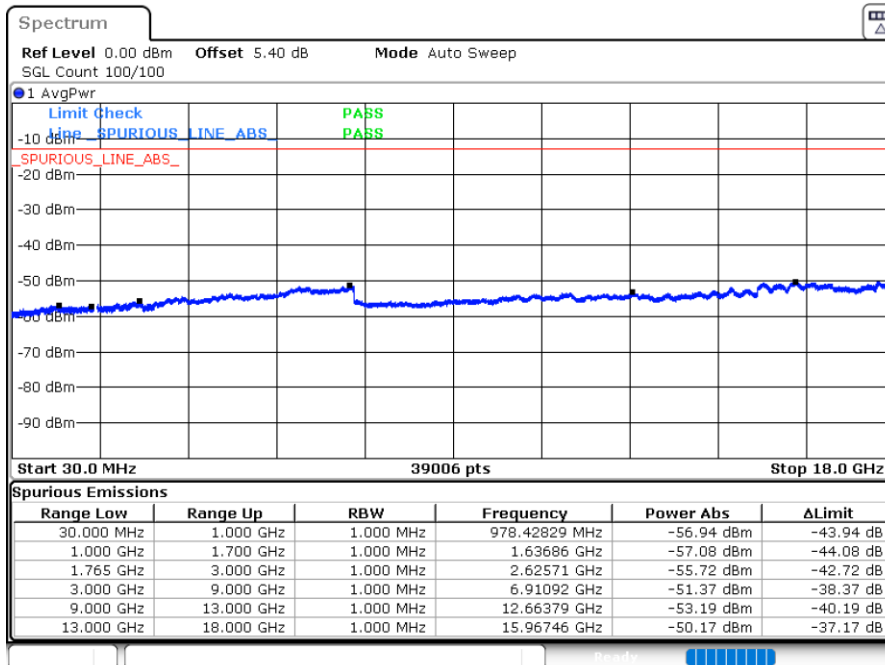
Date: 25.SEP.2024 06:13:41

Middle Channel / QPSK



Date: 25.SEP.2024 06:20:00

Highest Channel / QPSK

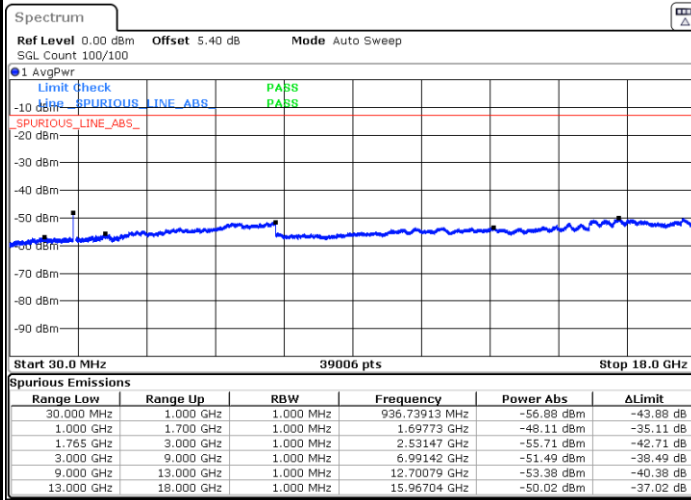


Date: 25.SEP.2024 06:21:25



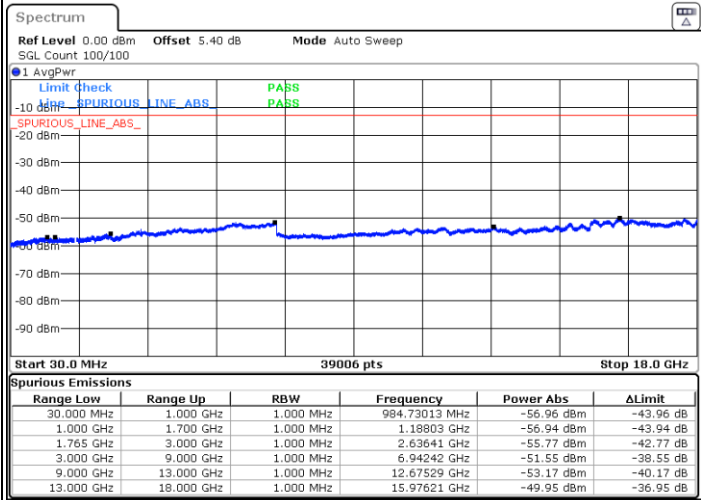
LTE Band 4 / 15MHz

Lowest Channel / QPSK



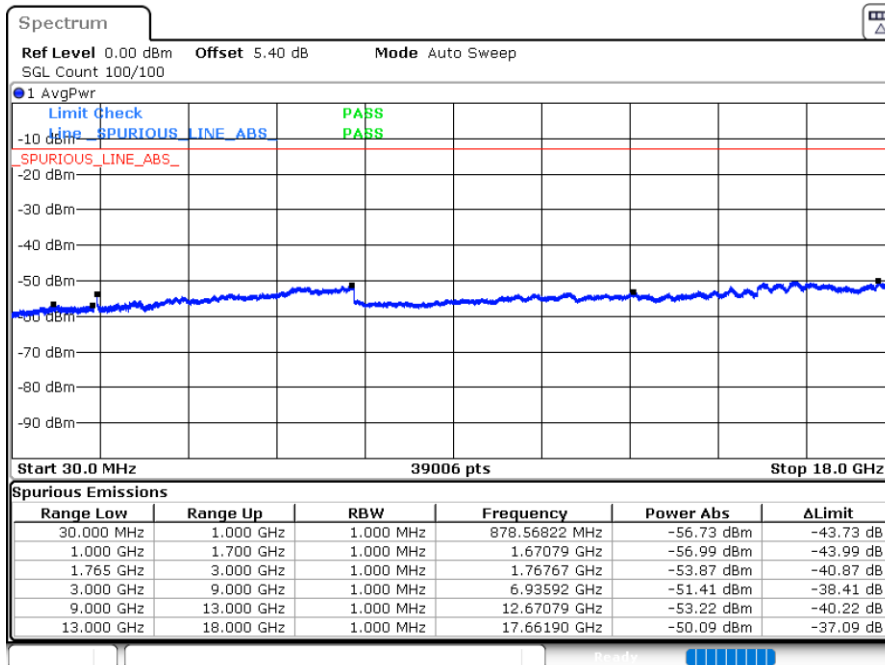
Date: 25.SEP.2024 06:29:35

Middle Channel / QPSK



Date: 25.SEP.2024 06:35:55

Highest Channel / QPSK

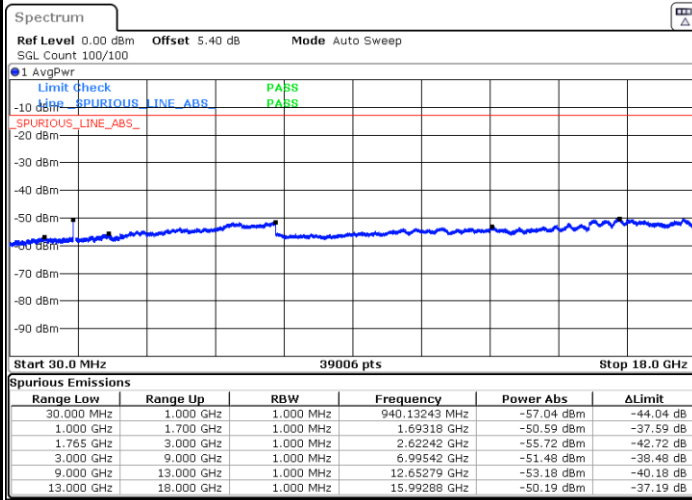


Date: 25.SEP.2024 06:37:20



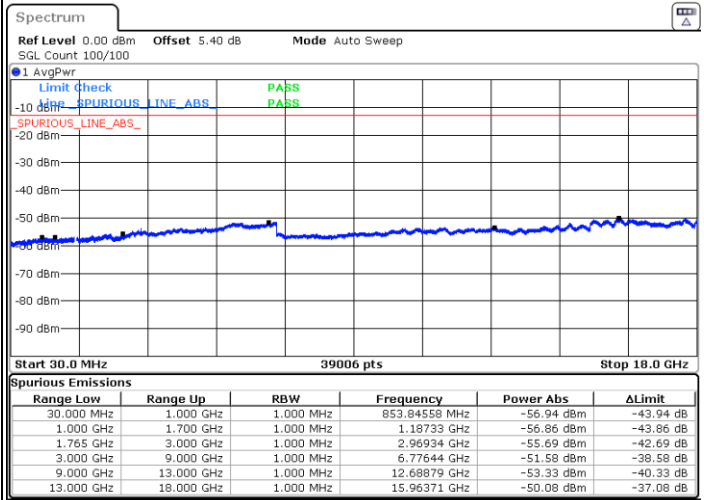
LTE Band 4 / 20MHz

Lowest Channel / QPSK



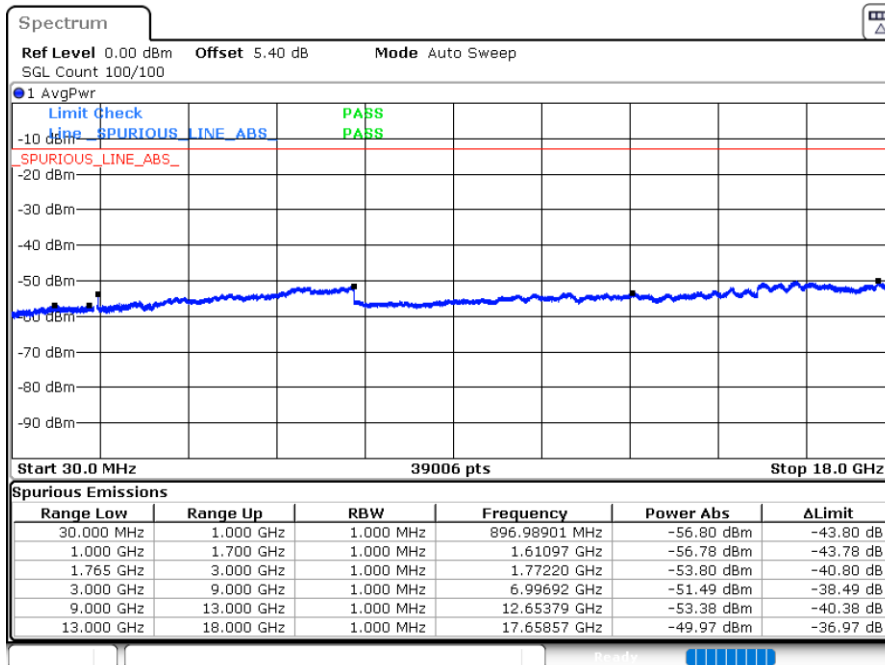
Date: 25.SEP.2024 06:44:27

Middle Channel / QPSK



Date: 25.SEP.2024 06:50:47

Highest Channel / QPSK



Date: 25.SEP.2024 06:52:12

**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	0.0017	PASS
40	Normal Voltage	0.0022	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0005	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0015	
20	Battery End Point	0.0020	

Note:

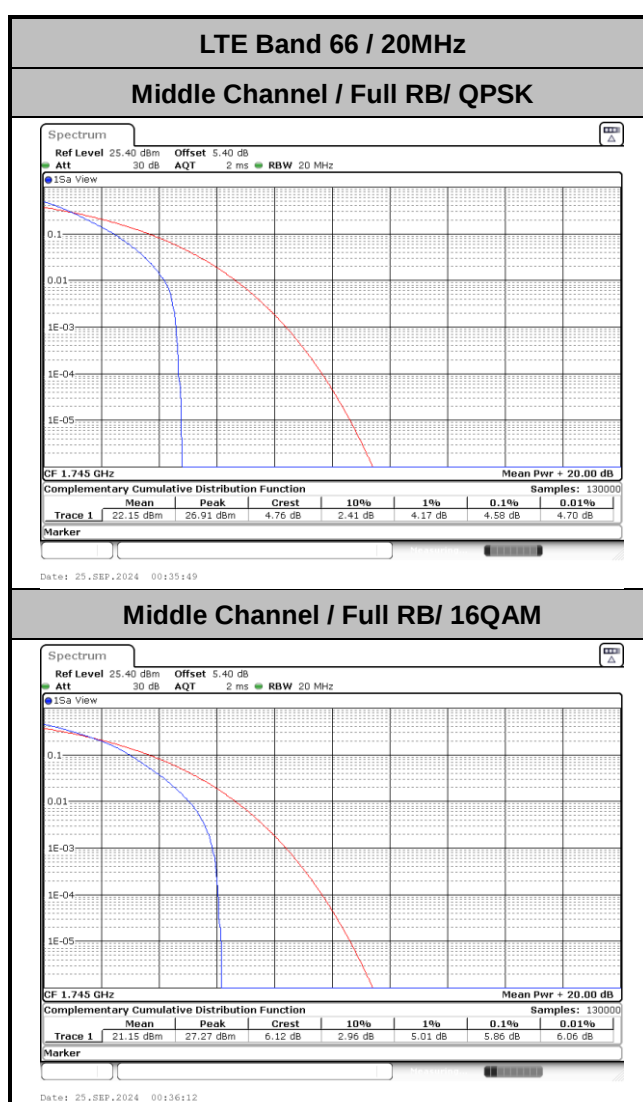
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

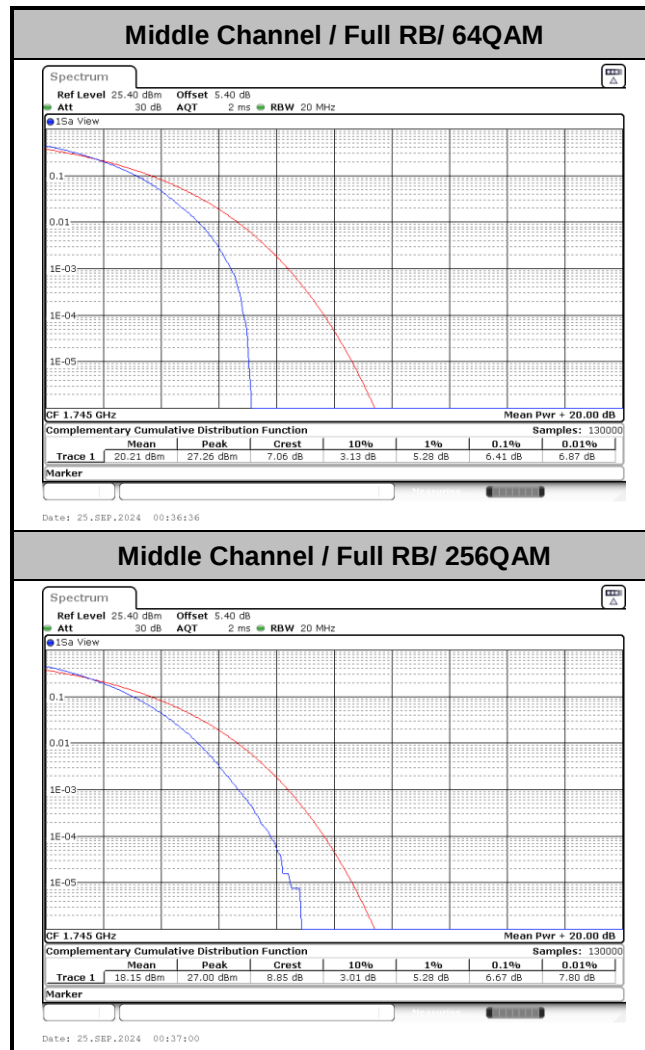


LTE Band 66 (Other PA)

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.58	5.86	6.41	6.67	PASS





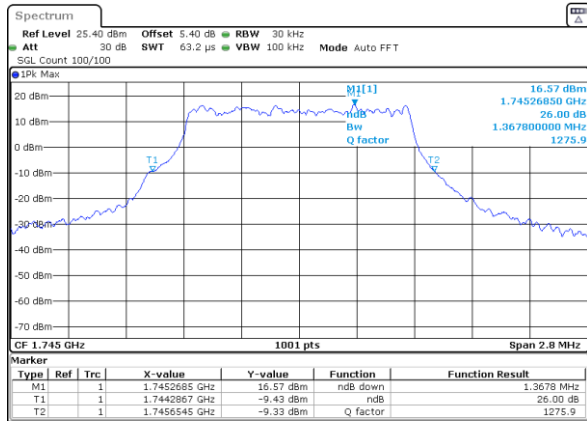
**26dB Bandwidth**

Mode	LTE Band 66 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.37	1.35
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.97	3.05
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.99	4.86
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	10.19	9.79
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.72	14.36
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.98	19.14



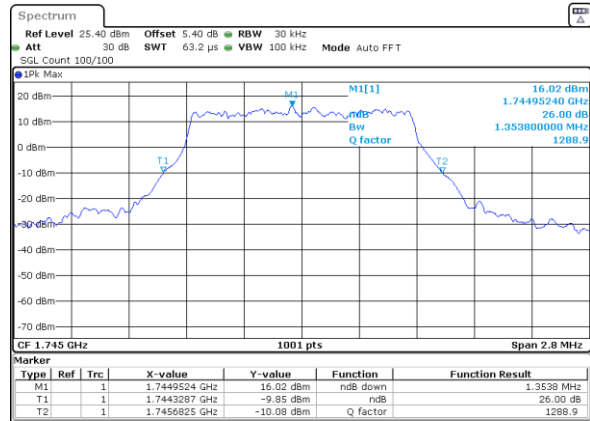
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 25_SEP_2024 00:49:02

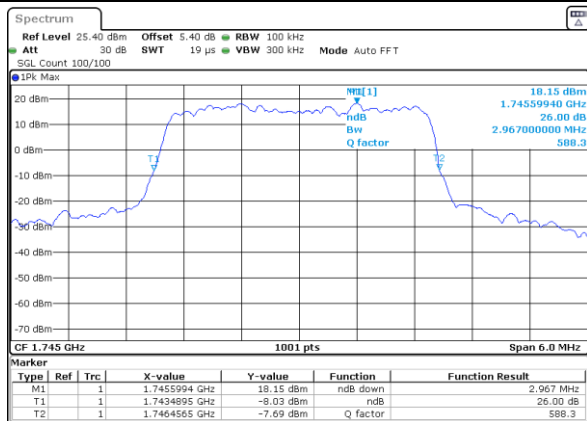
Middle Channel / 1.4MHz / 16QAM



Date: 25_SEP_2024 00:49:24

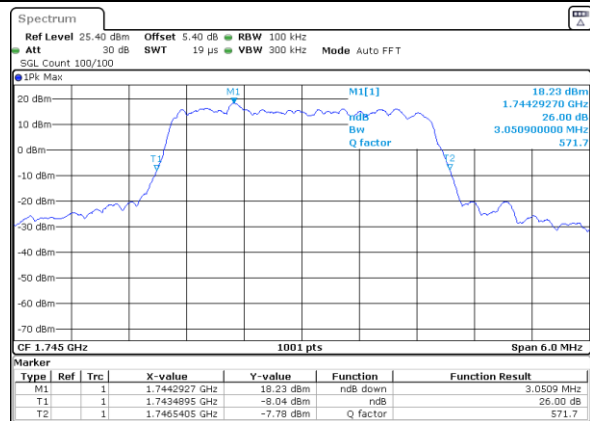
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 25_SEP_2024 00:45:58

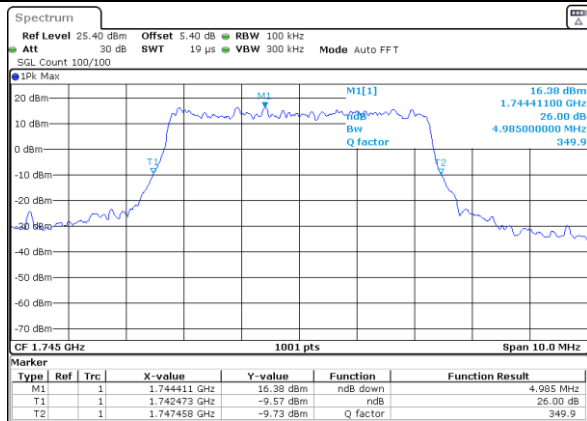
Middle Channel / 3MHz / 16QAM



Date: 25_SEP_2024 00:45:16

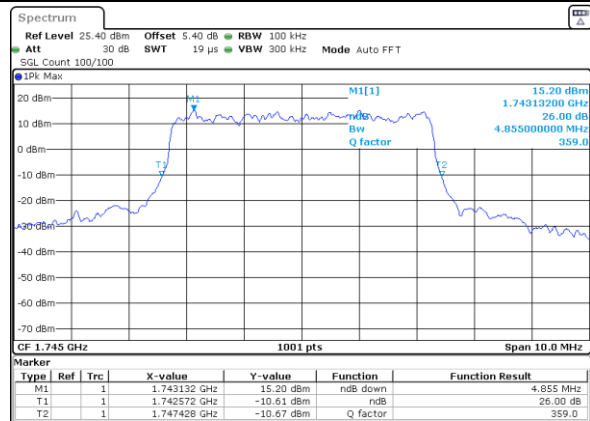
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 25_SEP_2024 00:44:06

Middle Channel / 5MHz / 16QAM

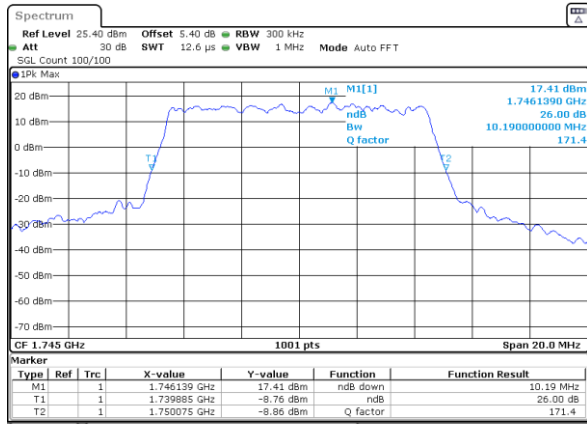


Date: 25_SEP_2024 00:44:29



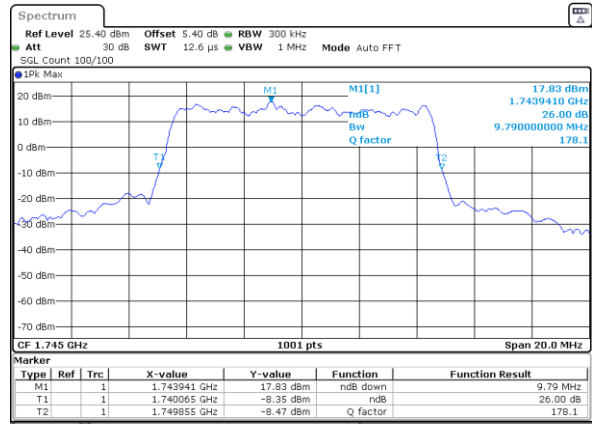
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 25.SEP.2024 00:42:59

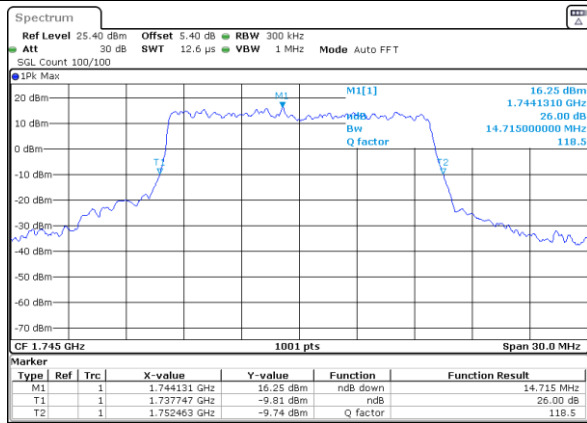
Middle Channel / 10MHz / 16QAM



Date: 25.SEP.2024 00:42:37

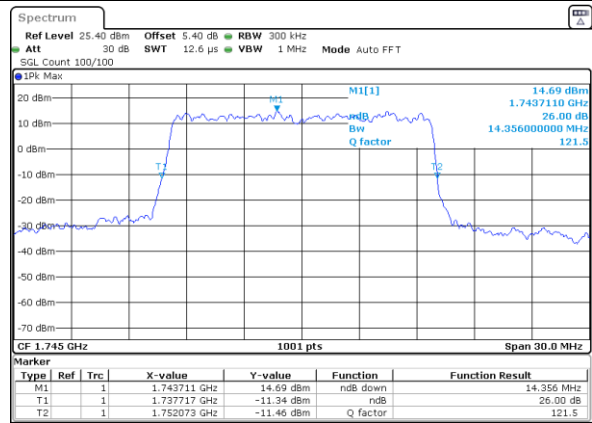
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 25.SEP.2024 00:41:07

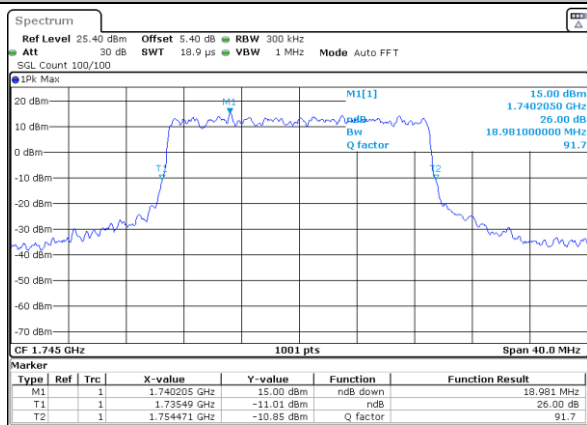
Middle Channel / 15MHz / 16QAM



Date: 25.SEP.2024 00:41:29

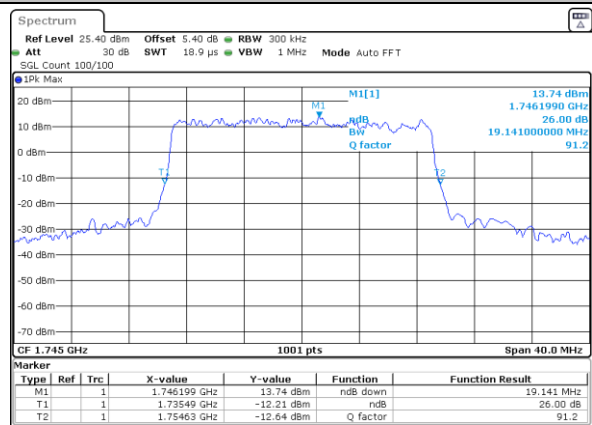
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 25.SEP.2024 00:35:03

Middle Channel / 20MHz / 16QAM



Date: 25.SEP.2024 00:35:25

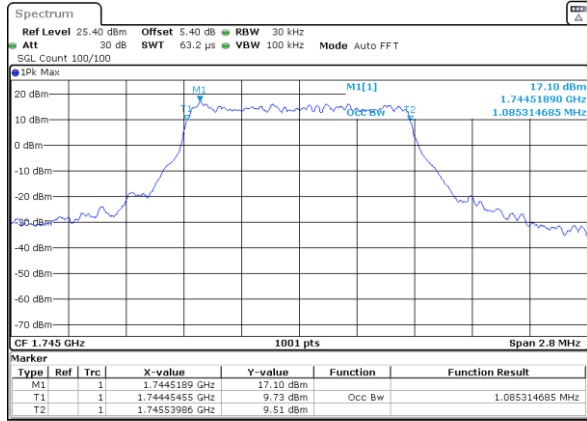
**Occupied Bandwidth**

Mode	LTE Band 66 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.10
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.72
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.49
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.03
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.43
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.90

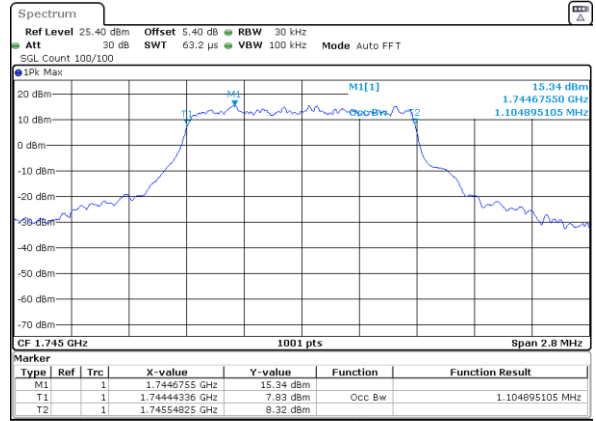


LTE Band 66

Middle Channel / 1.4MHz / QPSK

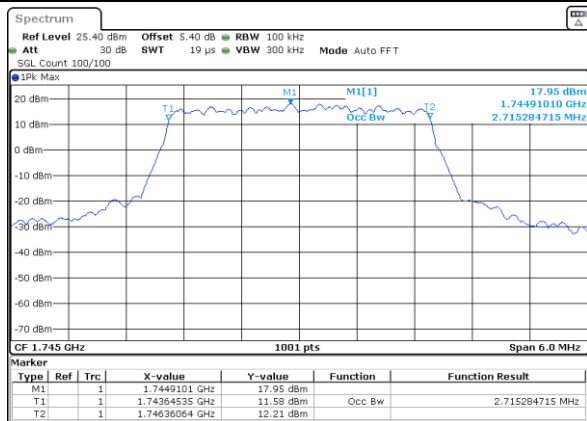


Middle Channel / 1.4MHz / 16QAM

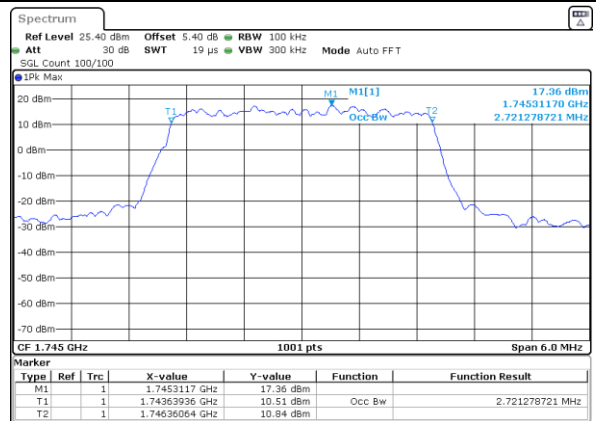


LTE Band 66

Middle Channel / 3MHz / QPSK

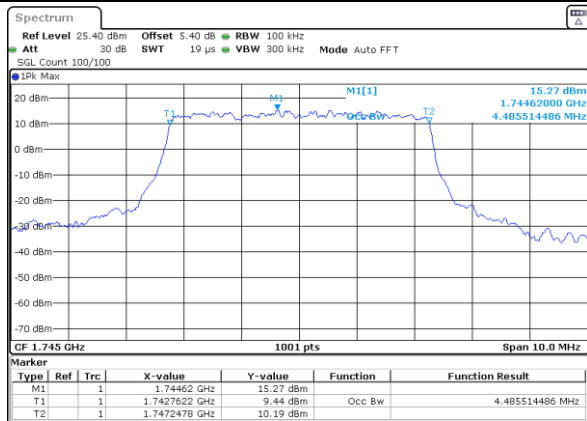


Middle Channel / 3MHz / 16QAM

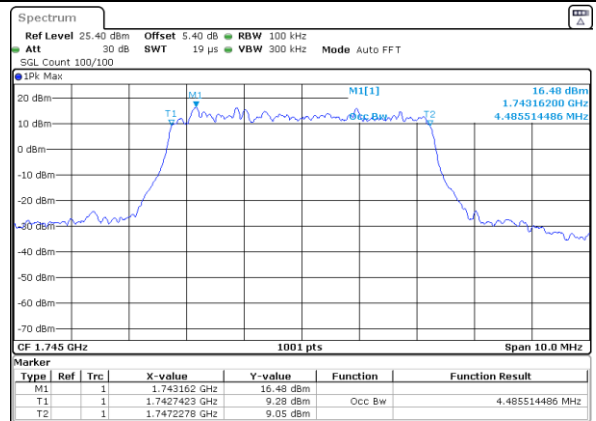


LTE Band 66

Middle Channel / 5MHz / QPSK



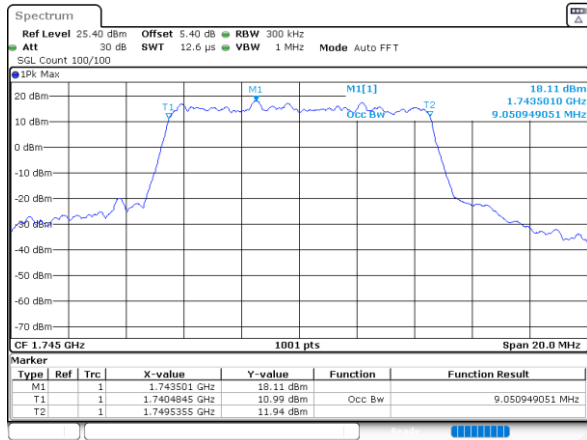
Middle Channel / 5MHz / 16QAM



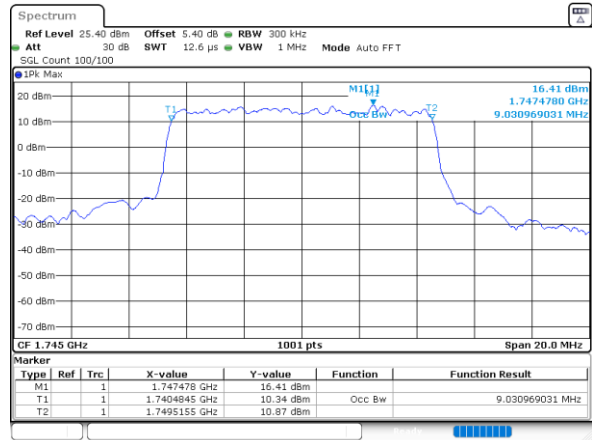


LTE Band 66

Middle Channel / 10MHz / QPSK

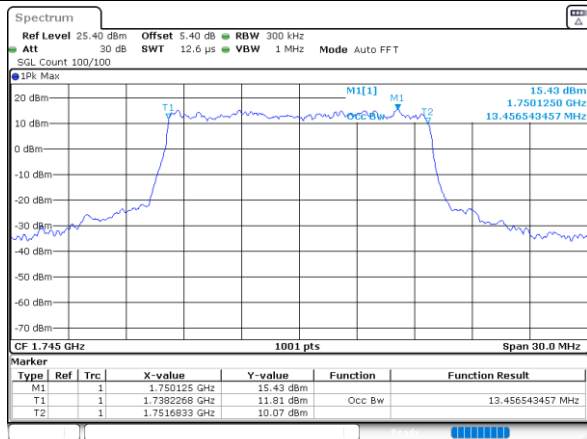


Middle Channel / 10MHz / 16QAM

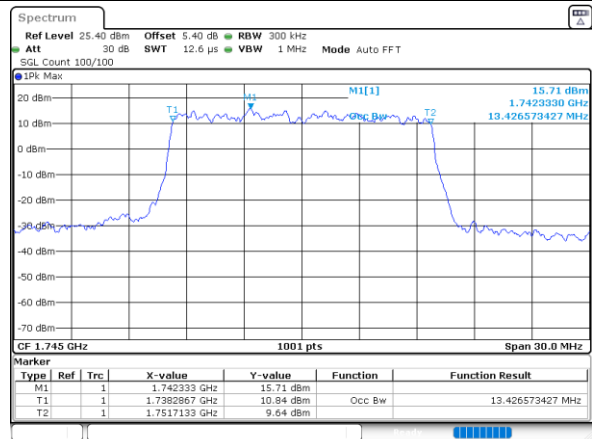


LTE Band 66

Middle Channel / 15MHz / QPSK

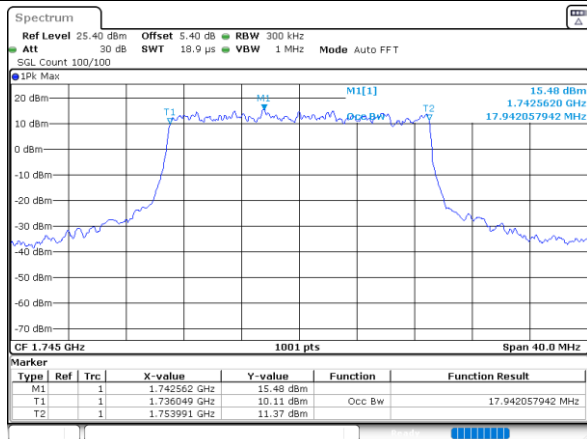


Middle Channel / 15MHz / 16QAM

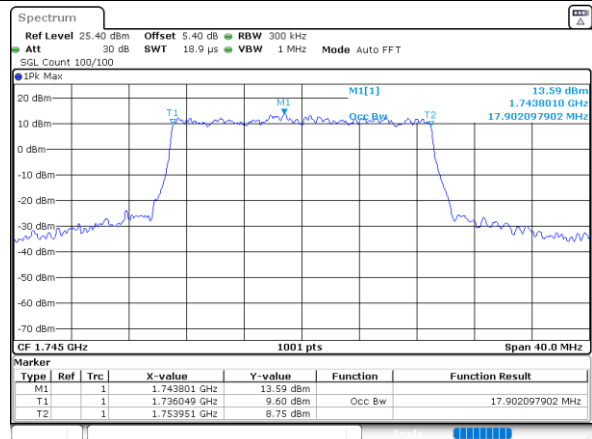


LTE Band 66

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

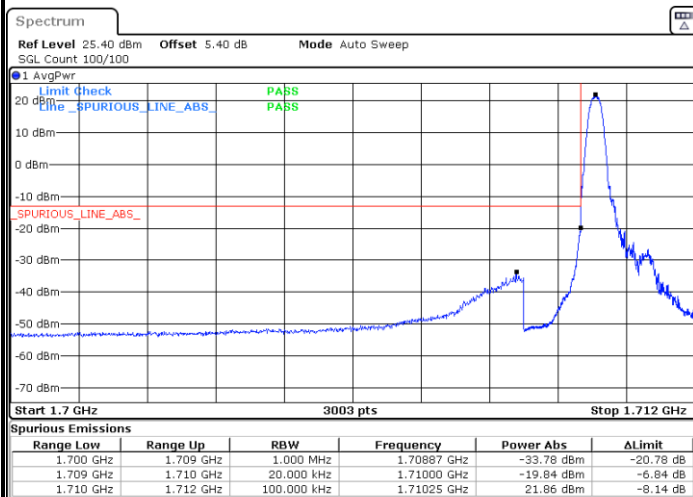




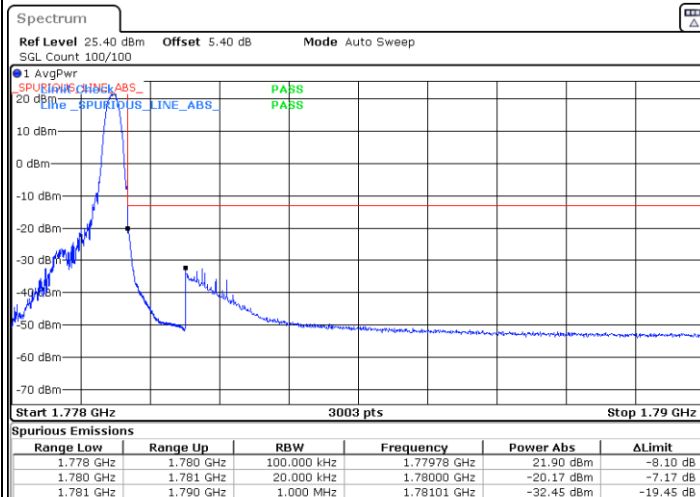
Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

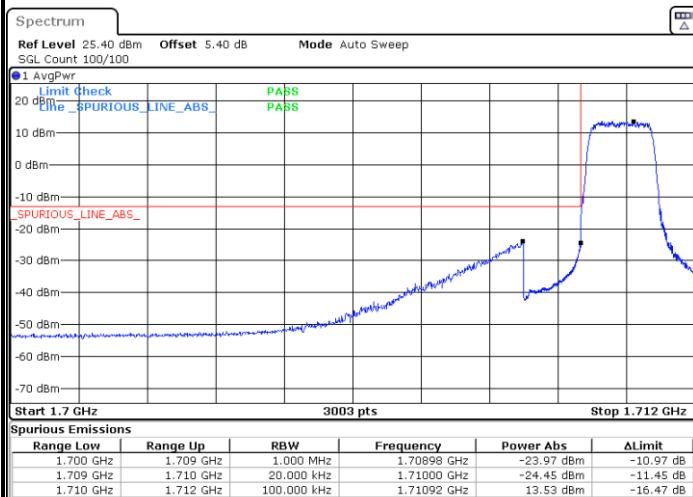
Lowest Band Edge / 1RB



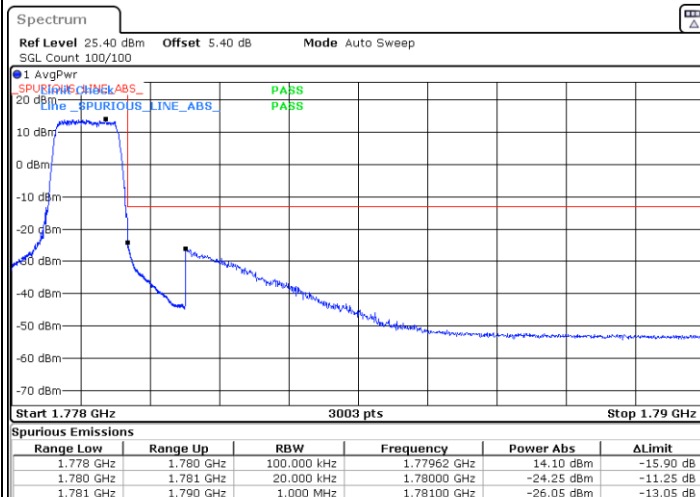
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



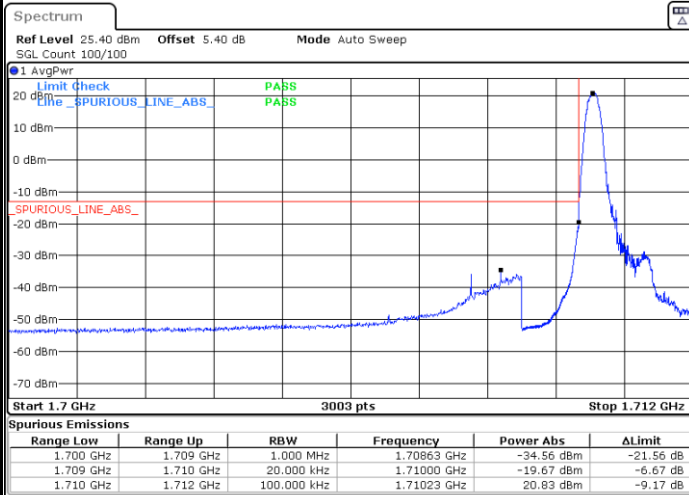
Highest Band Edge / Full RB



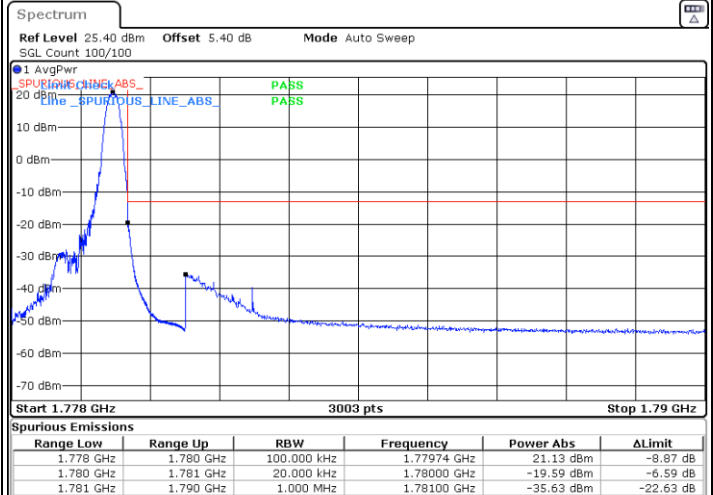


LTE Band 66 / 1.4MHz / 16QAM

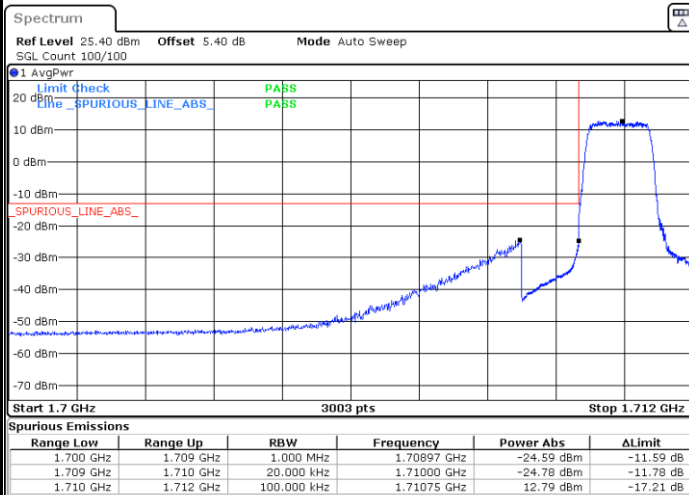
Lowest Band Edge / 1 RB



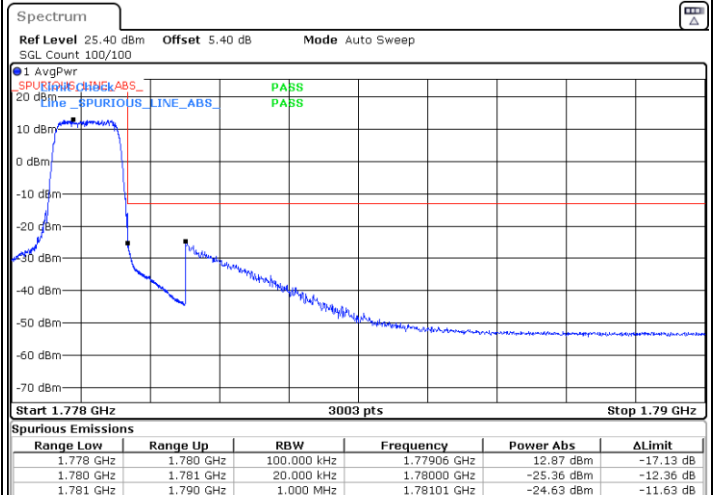
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



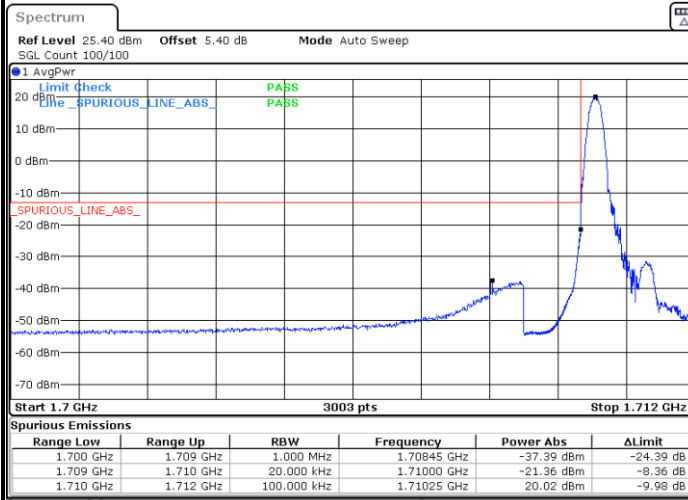
Highest Band Edge / Full RB



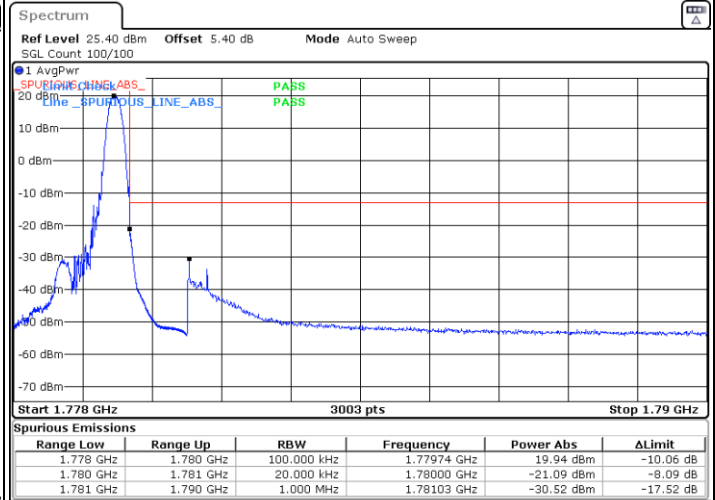


LTE Band 66 / 1.4MHz / 64QAM

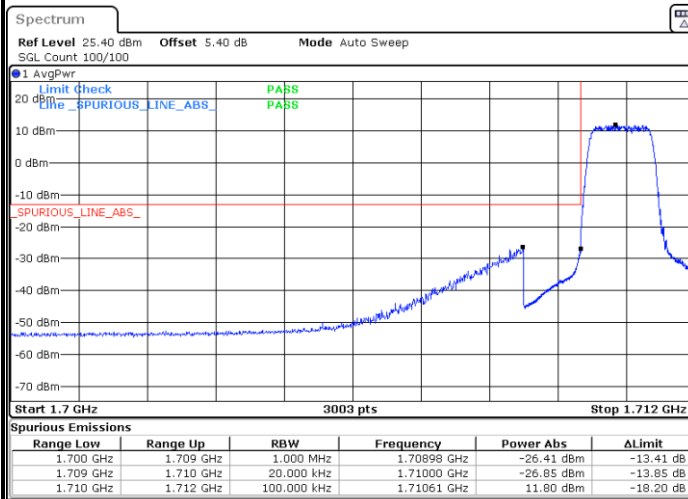
Lowest Band Edge / 1 RB



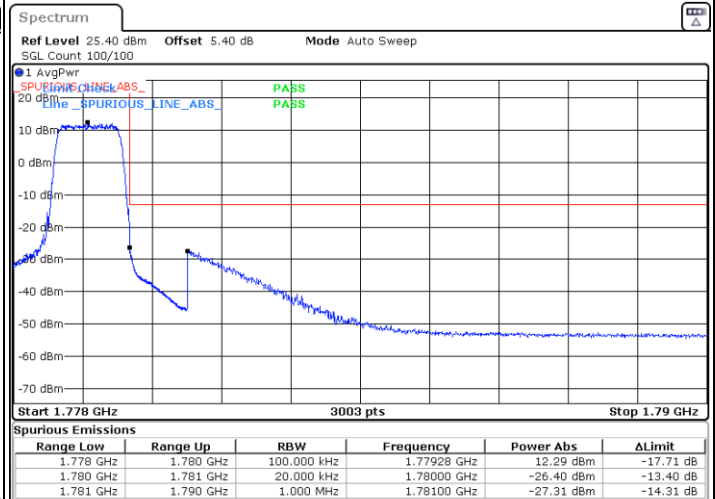
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



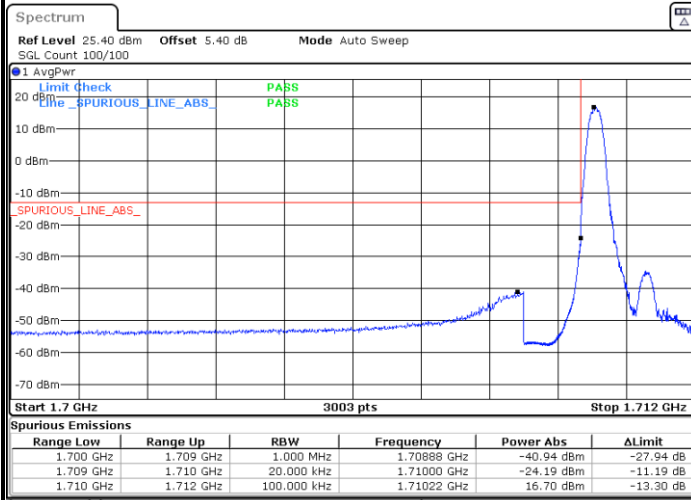
Highest Band Edge / Full RB



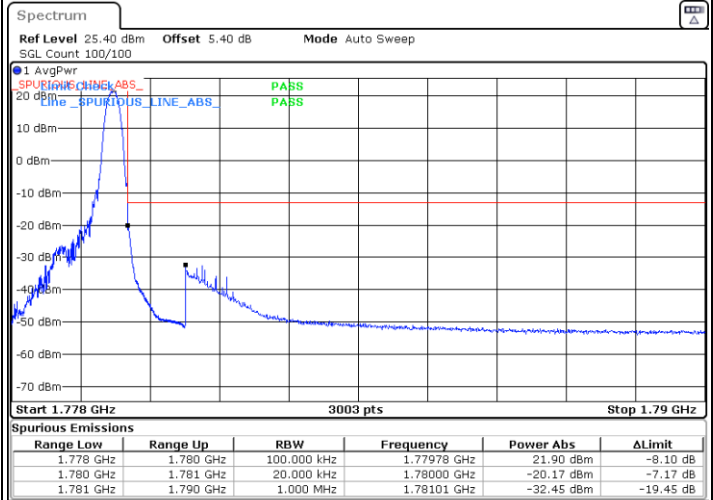


LTE Band 66 / 1.4MHz / 256QAM

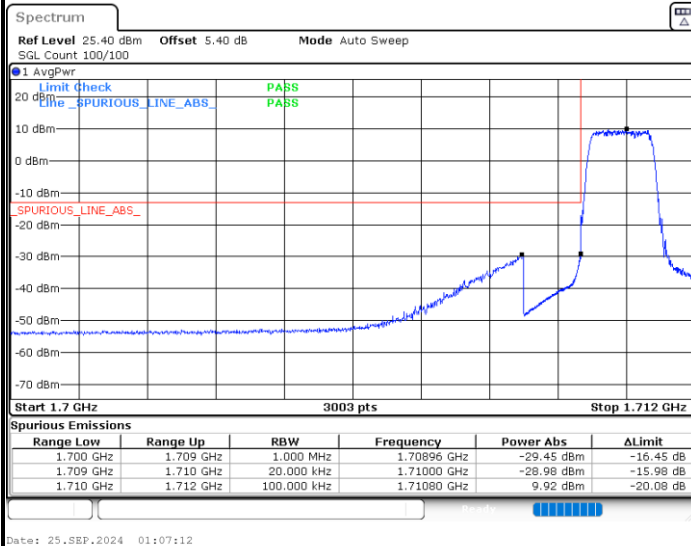
Lowest Band Edge / 1 RB



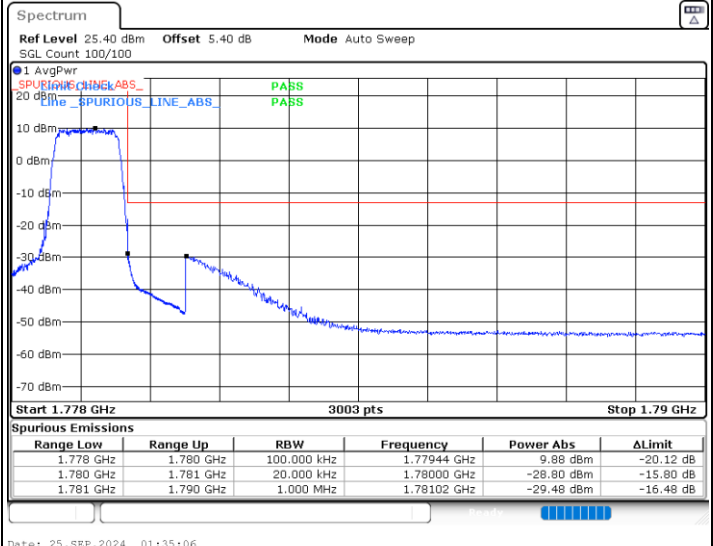
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



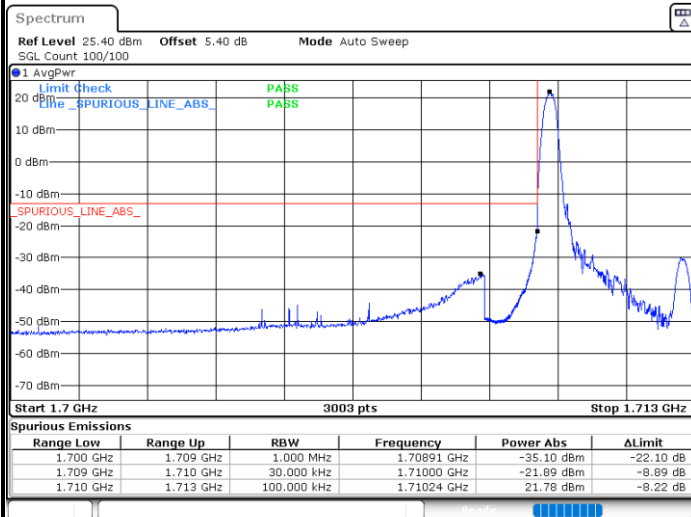
Highest Band Edge / Full RB



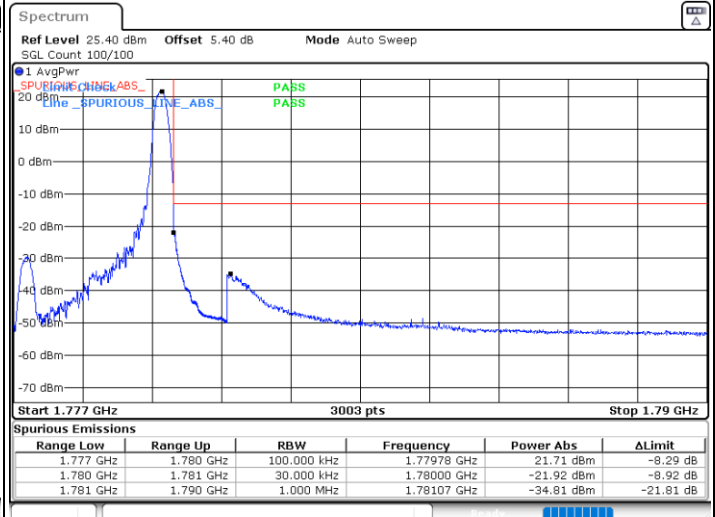


LTE Band 66 / 3MHz / QPSK

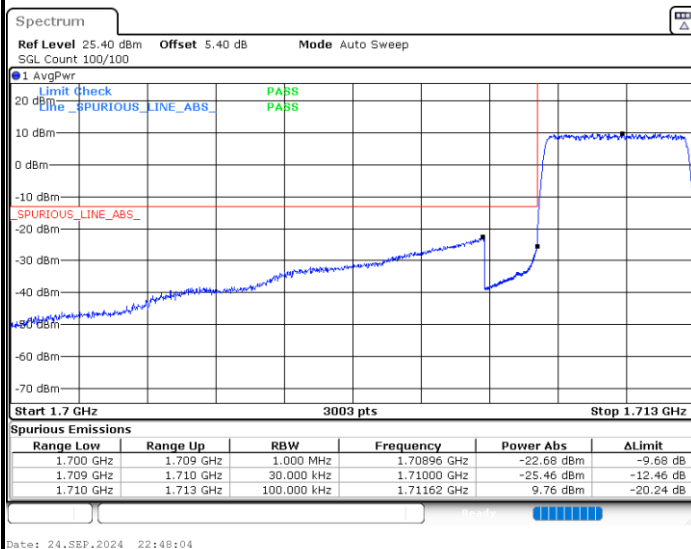
Lowest Band Edge / 1RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

