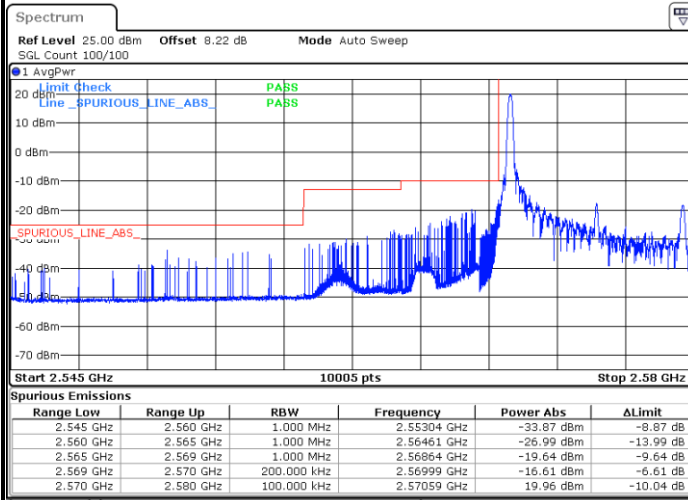


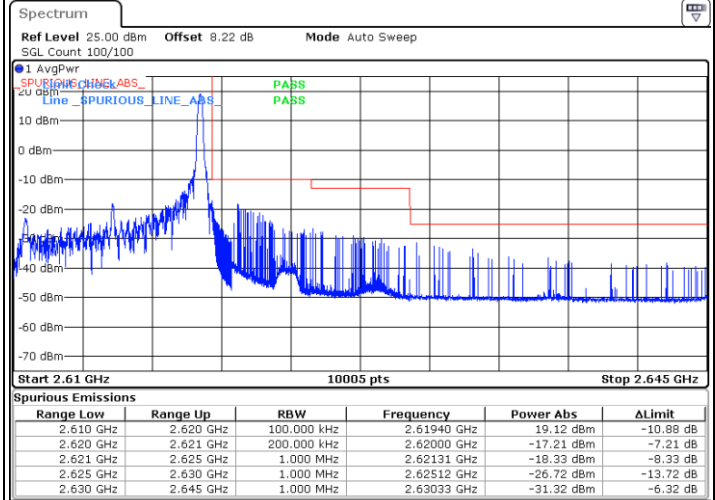


LTE Band 38 / 10MHz / QPSK

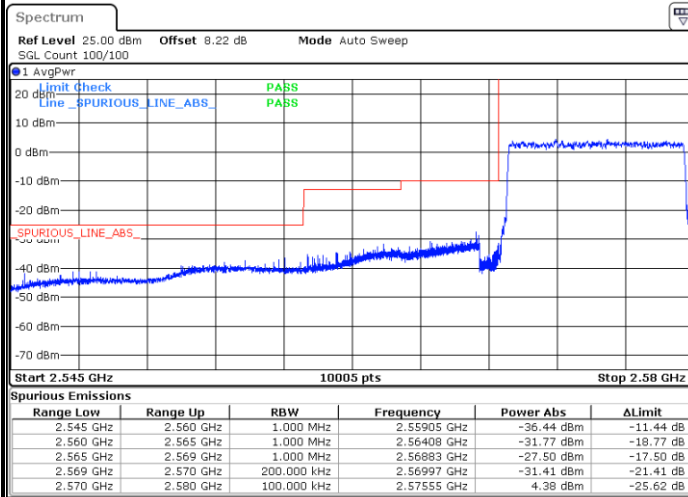
Lowest Band Edge / 1 RB



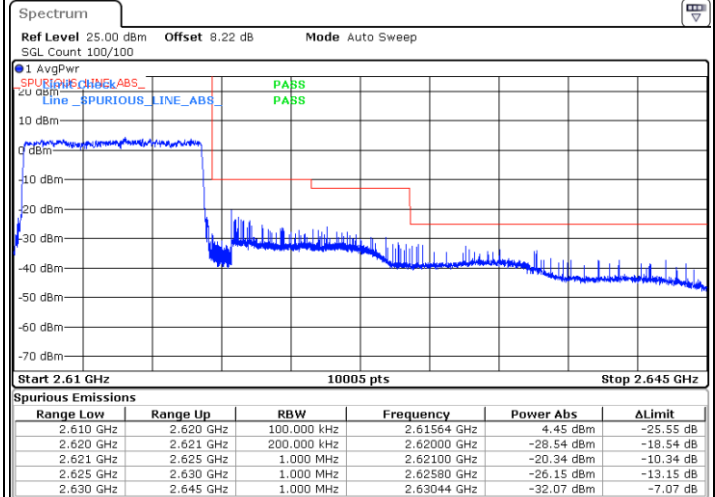
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



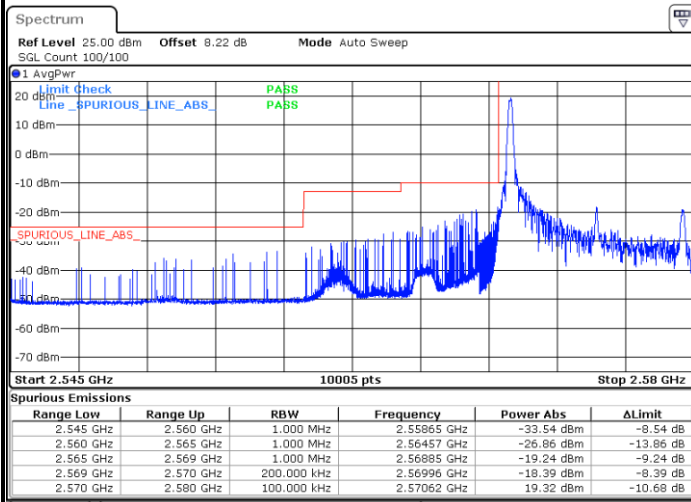
Highest Band Edge / Full RB



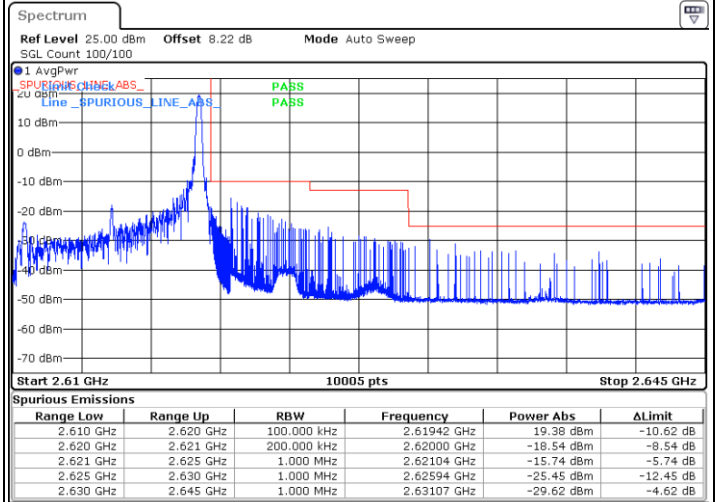


LTE Band 38 / 10MHz / 16QAM

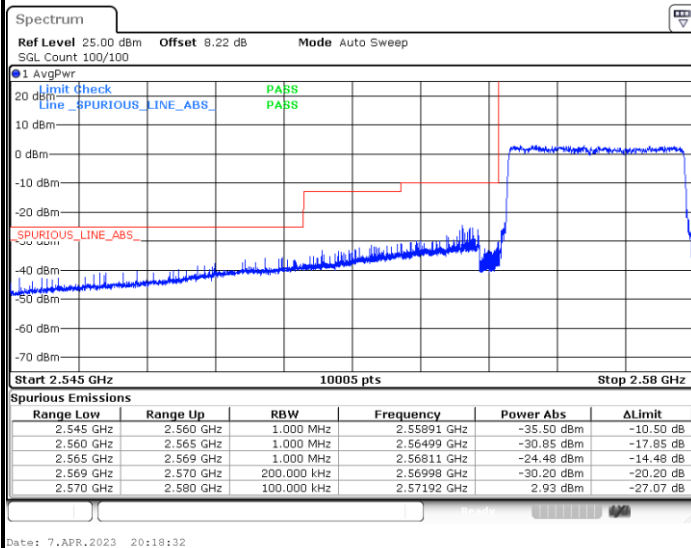
Lowest Band Edge / 1 RB



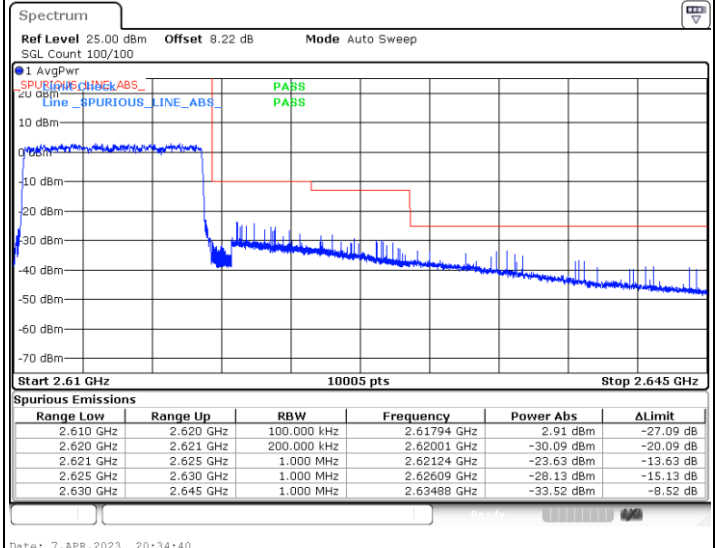
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



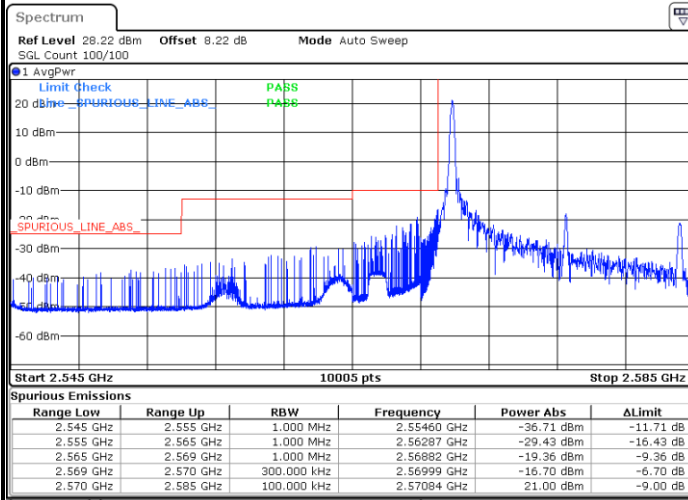
Highest Band Edge / Full RB



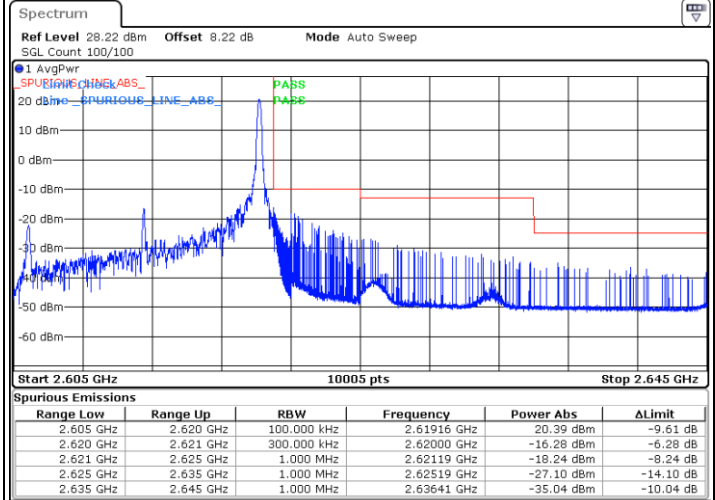


LTE Band 38 / 15MHz / QPSK

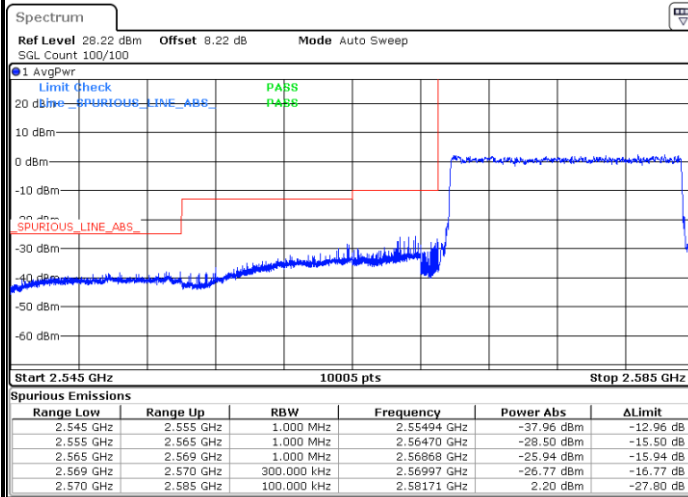
Lowest Band Edge / 1 RB



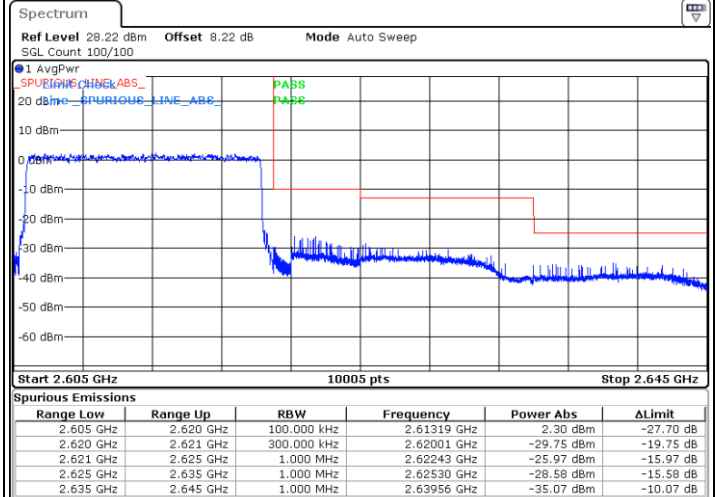
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



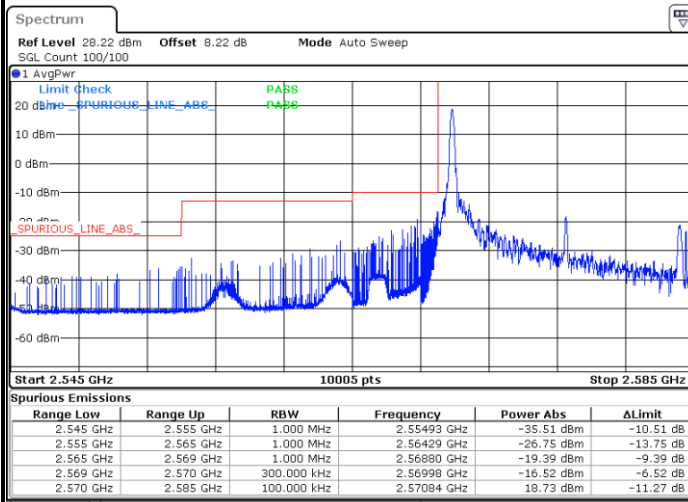
Highest Band Edge / Full RB



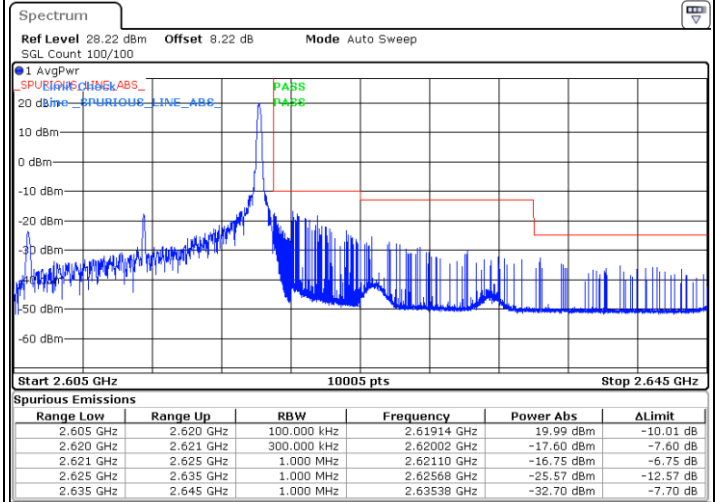


LTE Band 38 / 15MHz / 16QAM

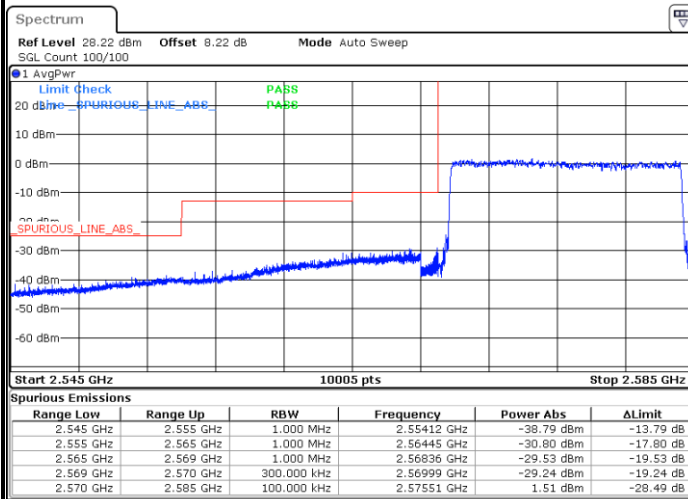
Lowest Band Edge / 1 RB



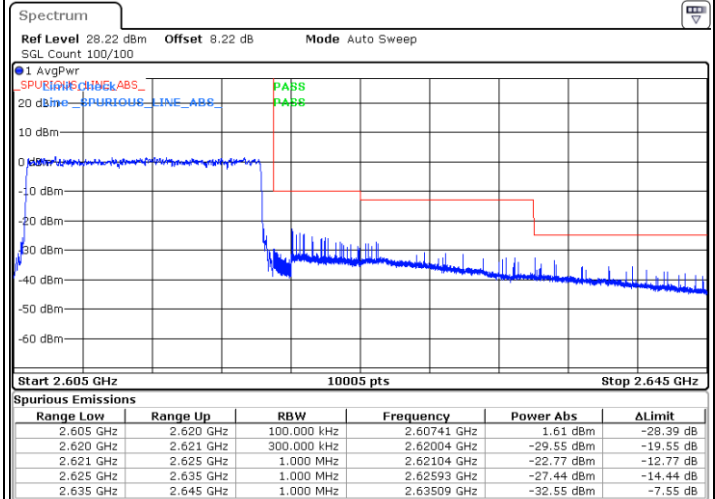
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



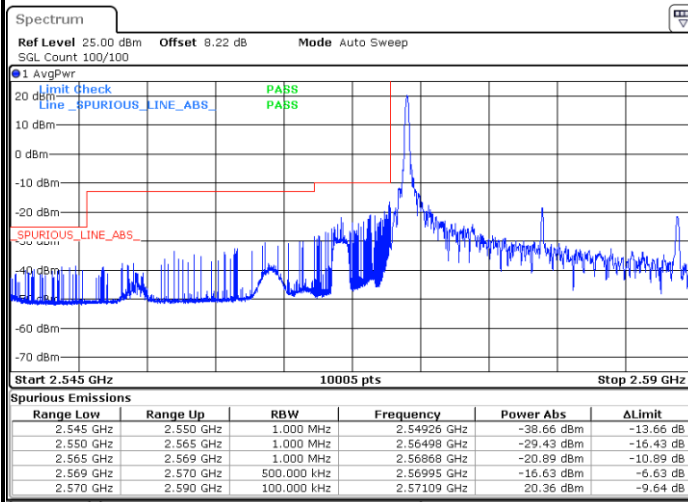
Highest Band Edge / Full RB



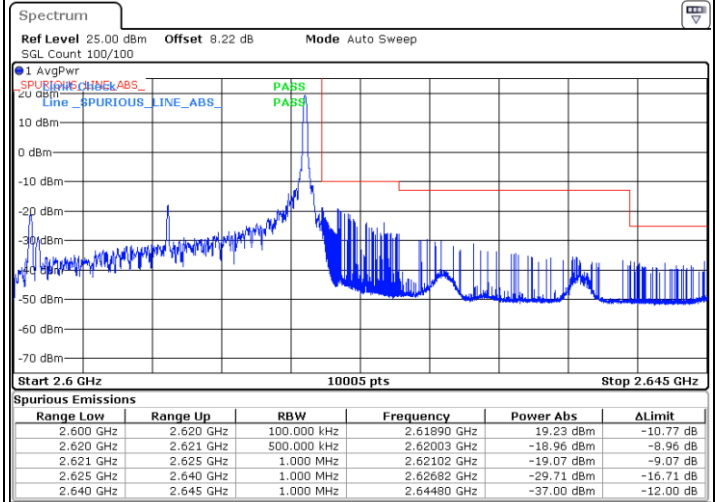


LTE Band 38 / 20MHz / QPSK

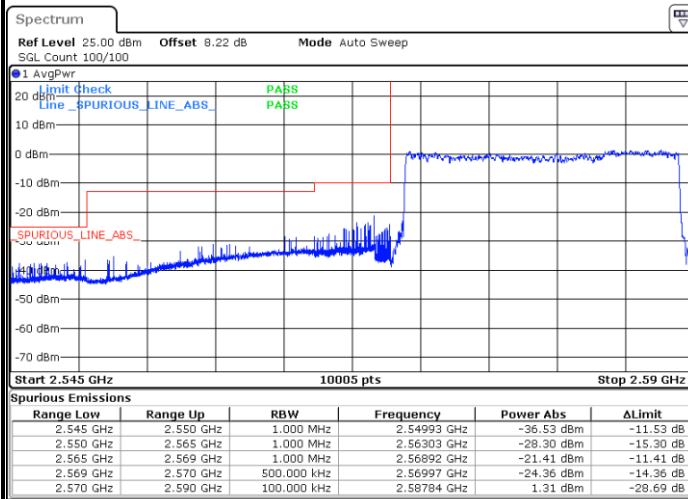
Lowest Band Edge / 1 RB



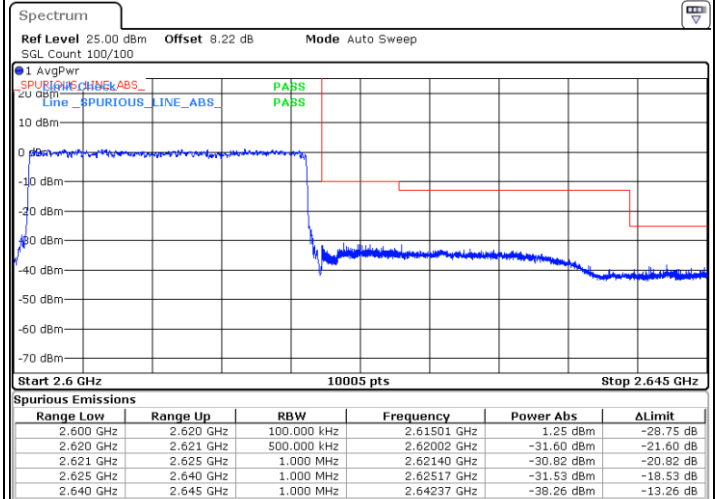
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



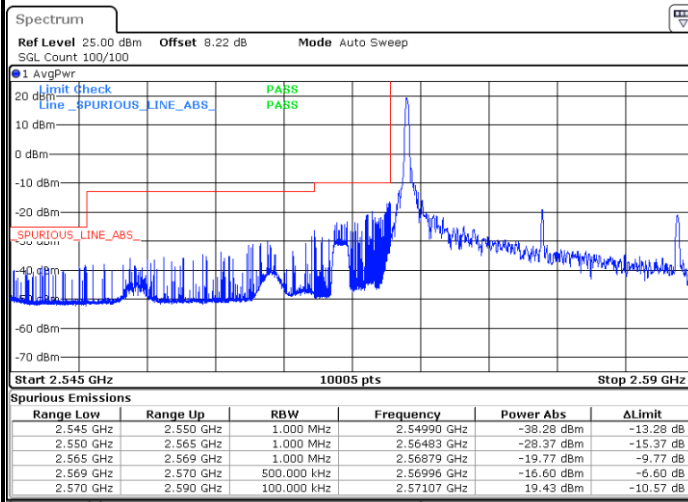
Highest Band Edge / Full RB





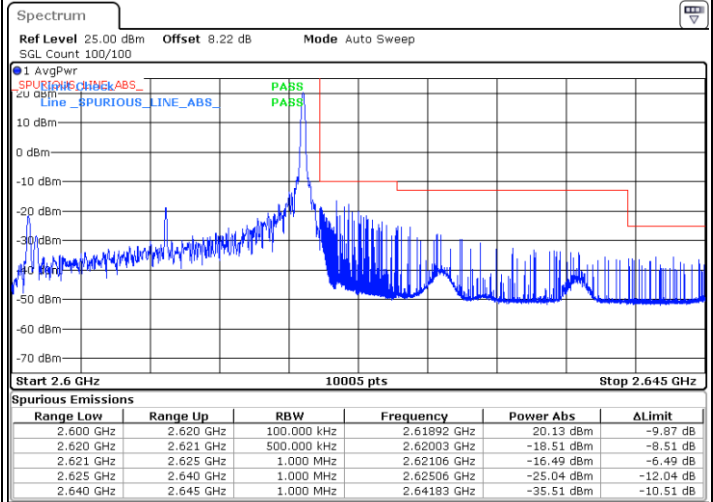
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



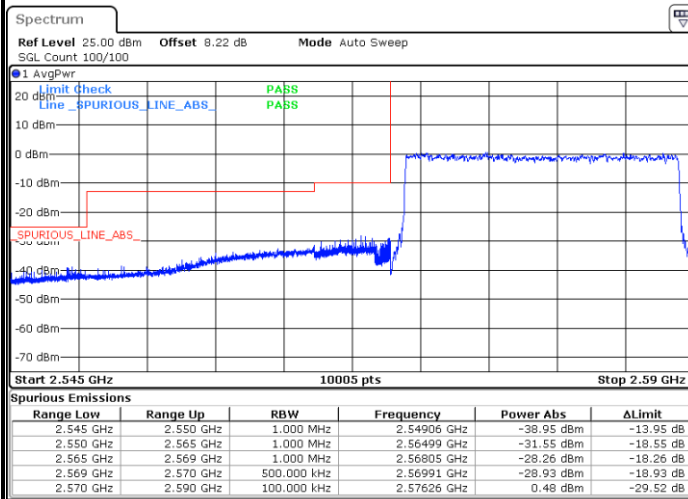
Date: 7.APR.2023 21:02:51

Highest Band Edge / 1 RB



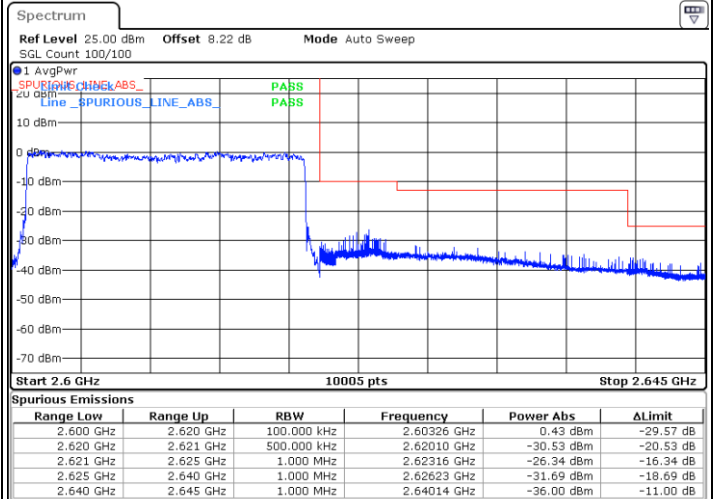
Date: 7.APR.2023 21:11:00

Lowest Band Edge / Full RB



Date: 7.APR.2023 20:58:51

Highest Band Edge / Full RB



Date: 7.APR.2023 21:15:00

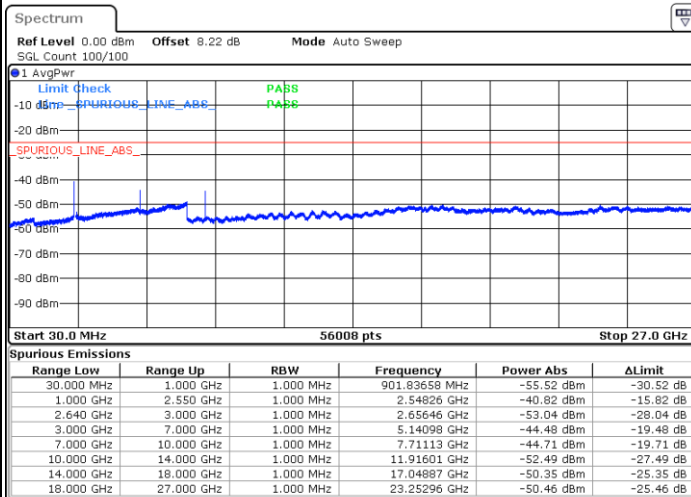


Conducted Spurious Emission

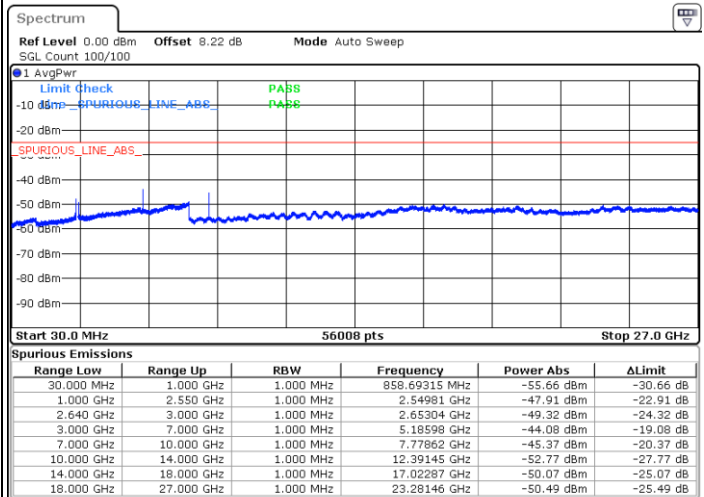
LTE Band 38 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

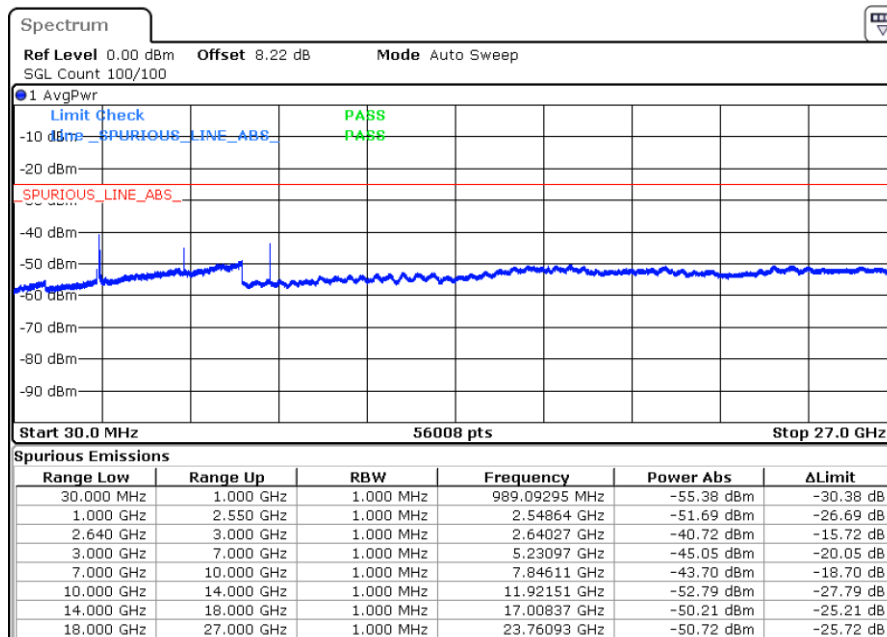


Date: 7.APR.2023 20:05:05



Date: 7.APR.2023 20:06:29

Highest Channel / QPSK

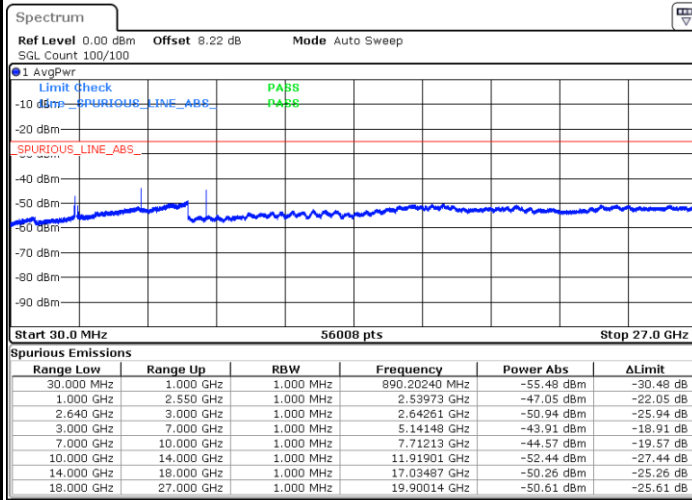


Date: 7.APR.2023 20:07:51



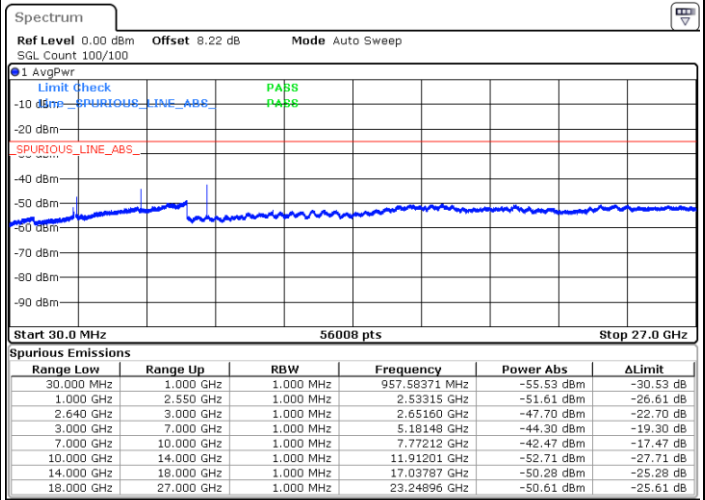
LTE Band 38 / 10MHz

Lowest Channel / QPSK



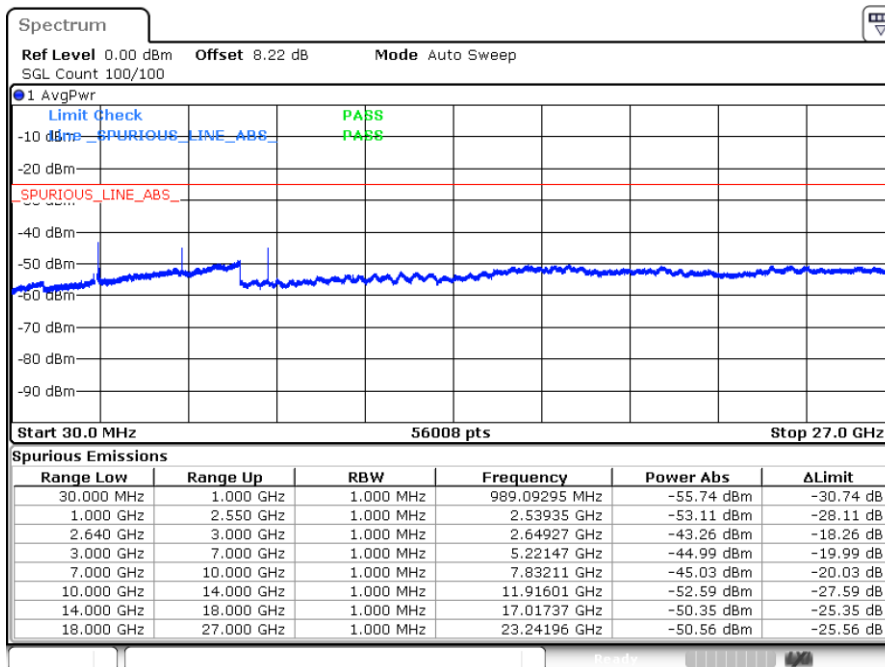
Date: 7.APR.2023 20:25:15

Middle Channel / QPSK



Date: 7.APR.2023 20:26:38

Highest Channel / QPSK

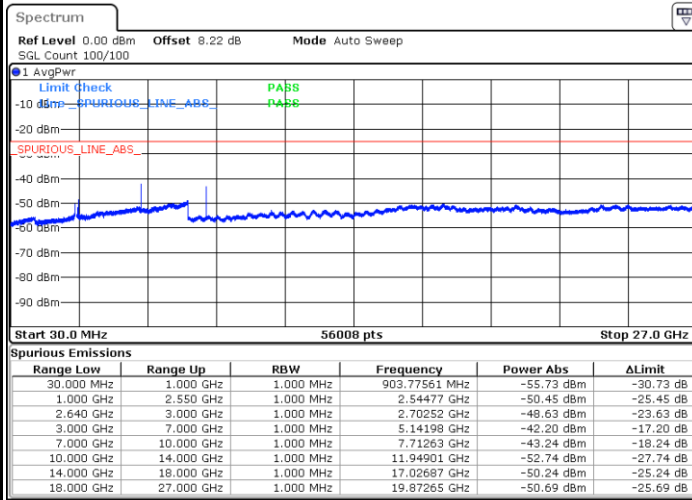


Date: 7.APR.2023 20:28:00



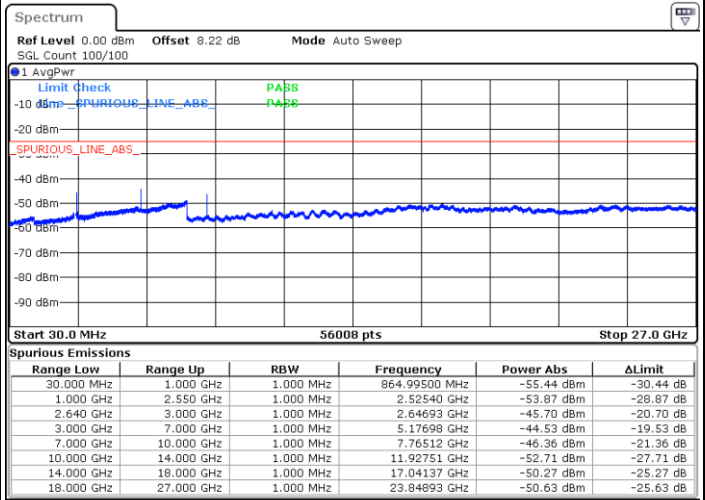
LTE Band 38 / 15MHz

Lowest Channel / QPSK



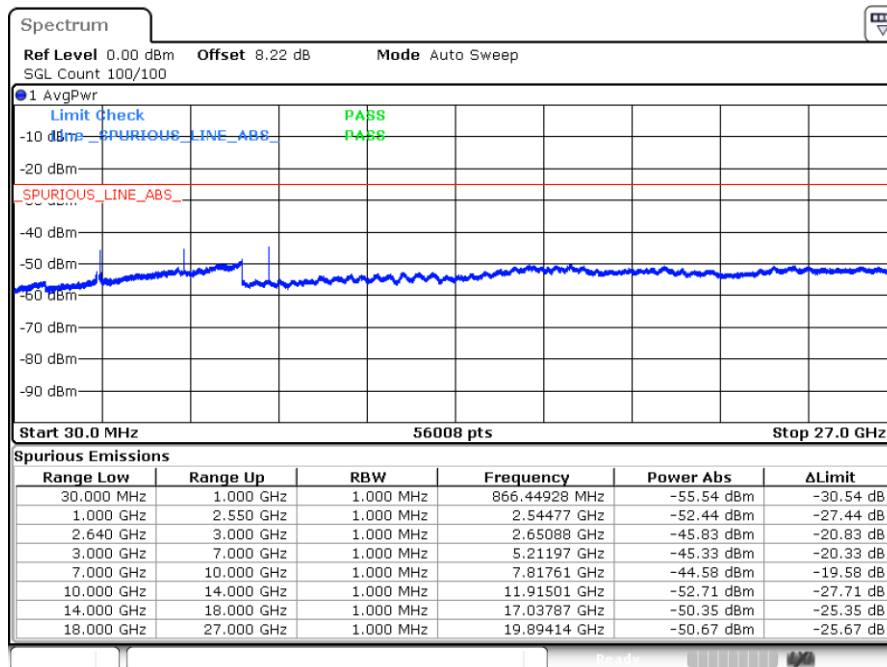
Date: 7.APR.2023 20:45:24

Middle Channel / QPSK



Date: 7.APR.2023 20:46:46

Highest Channel / QPSK



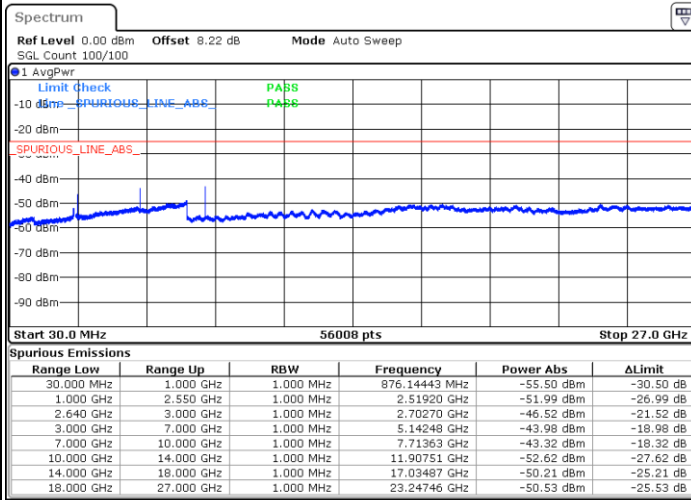
Date: 7.APR.2023 20:48:10



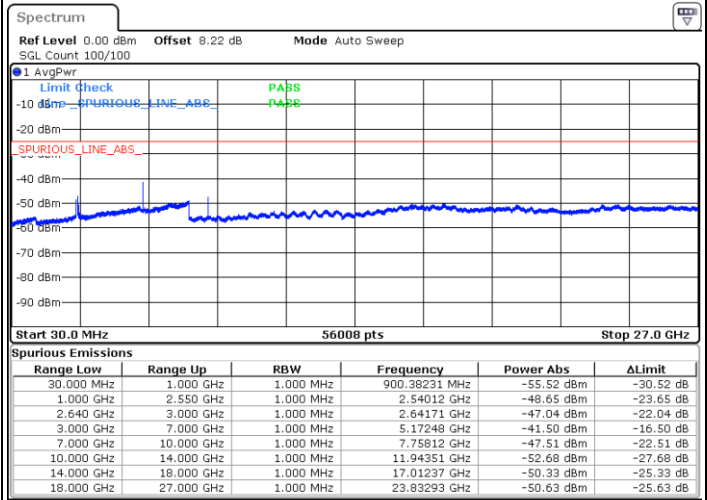
LTE Band 38 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

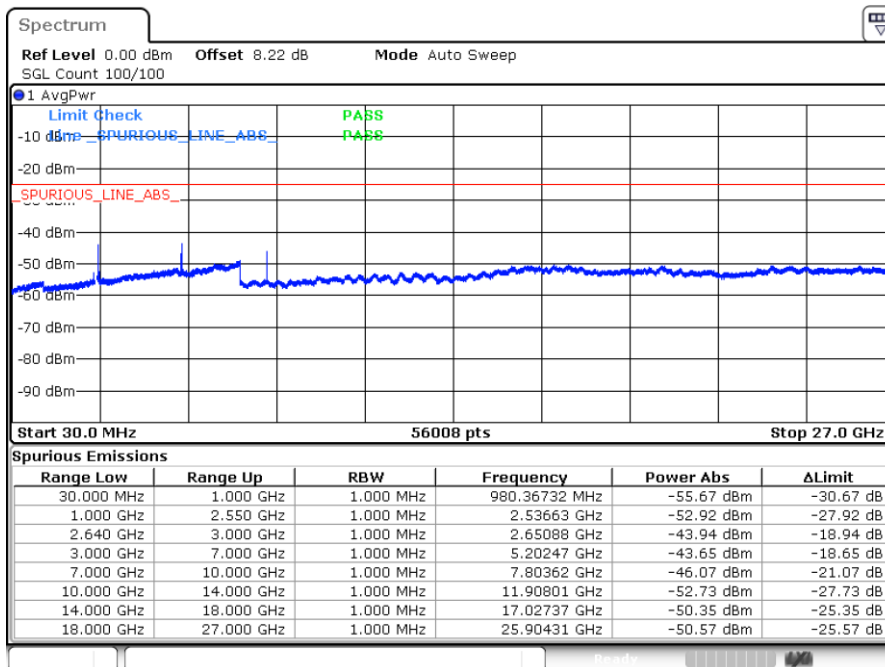


Date: 7.APR.2023 21:05:34



Date: 7.APR.2023 21:06:57

Highest Channel / QPSK



Date: 7.APR.2023 21:08:20

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	0.0100	PASS
40	Normal Voltage	0.0119	
30	Normal Voltage	0.0058	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0108	
0	Normal Voltage	0.0139	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0085	
-30	Normal Voltage	0.0066	
20	Maximum Voltage	0.0123	
20	Normal Voltage	0.0058	
20	Battery End Point	0.0046	

Note:

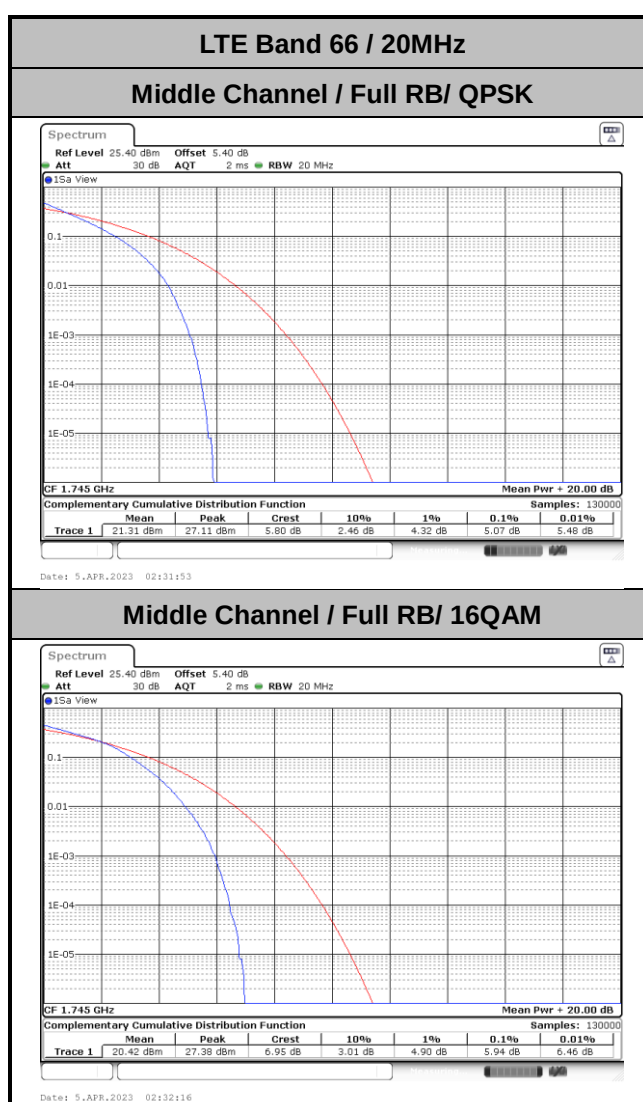
1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.5V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	-	Limit: 13dB
RB Size	Full RB	Full RB	-	Result
Middle CH	5.07	5.94	-	PASS



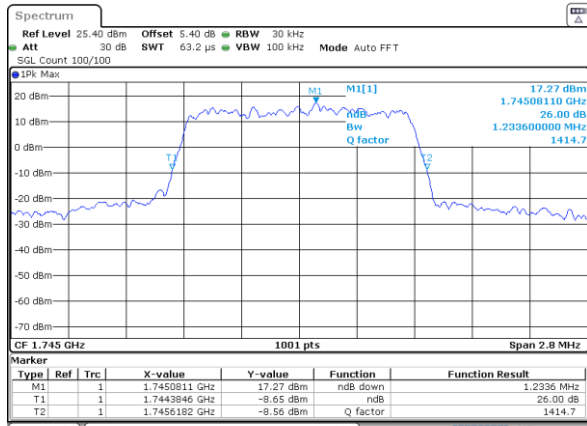
**26dB Bandwidth**

Mode	LTE Band 66 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.23	1.23
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.09	3.05
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.91	4.85
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	9.95
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.33	14.78
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.86	19.10



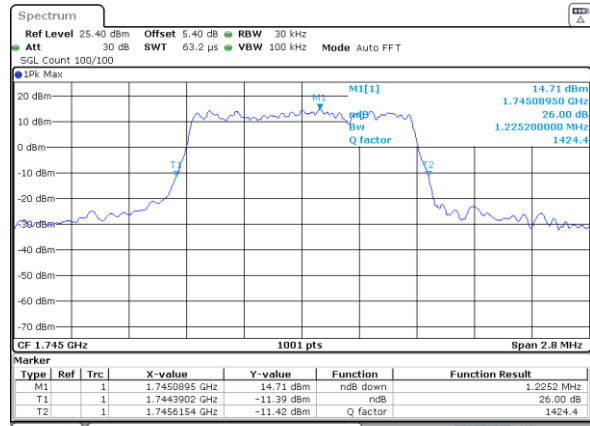
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 5.APR.2023 02:33:23

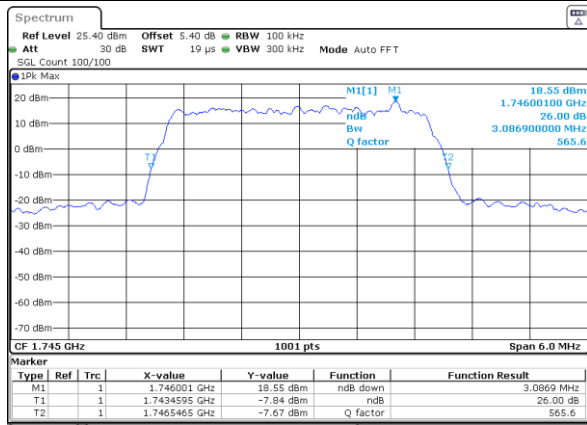
Middle Channel / 1.4MHz / 16QAM



Date: 5.APR.2023 02:33:45

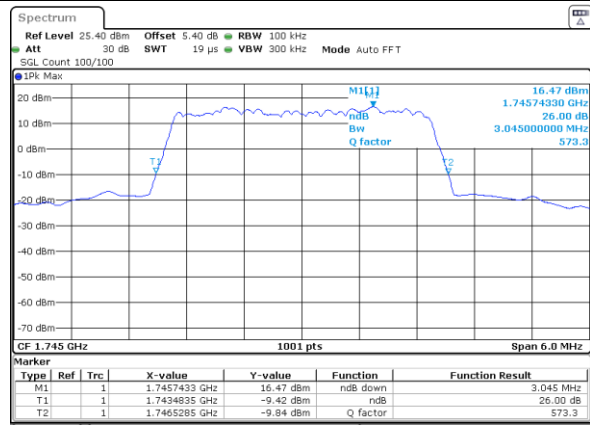
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 5.APR.2023 02:34:50

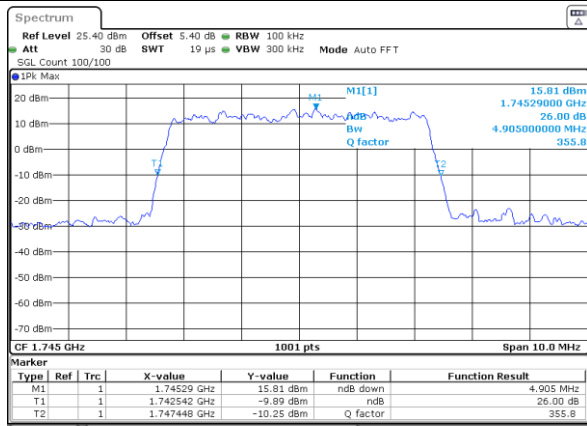
Middle Channel / 3MHz / 16QAM



Date: 5.APR.2023 02:35:12

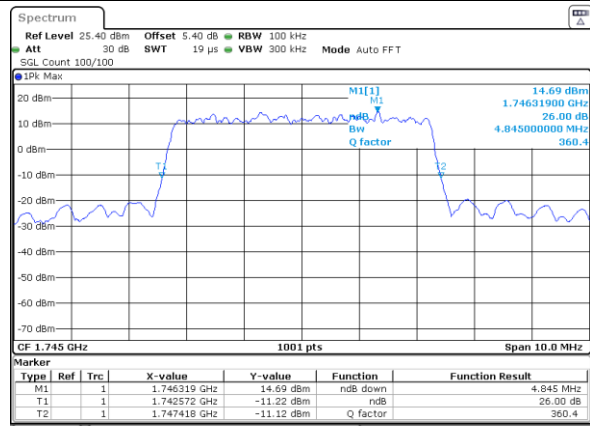
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 5.APR.2023 02:36:17

Middle Channel / 5MHz / 16QAM

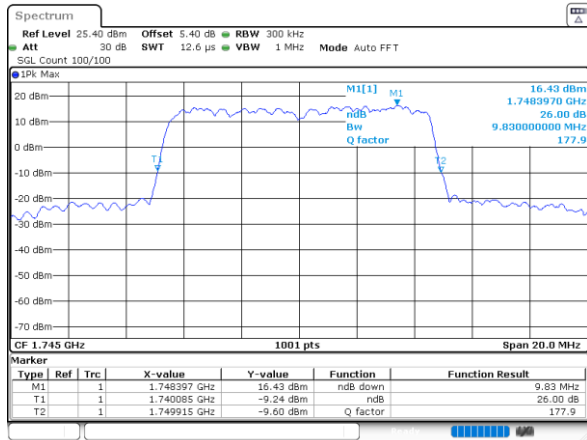


Date: 5.APR.2023 02:36:38



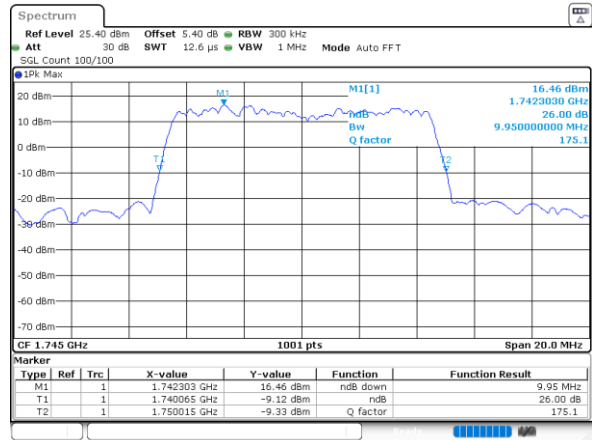
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 5.APR.2023 02:37:43

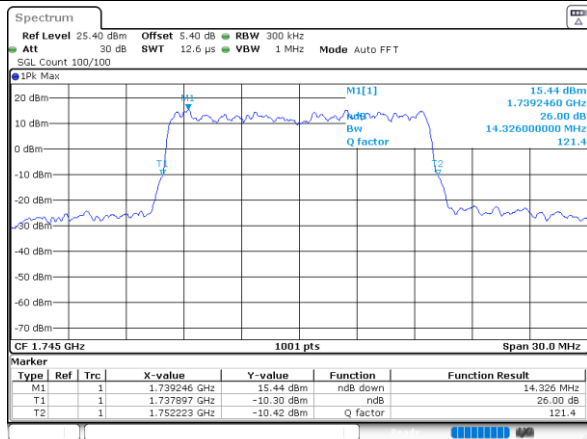
Middle Channel / 10MHz / 16QAM



Date: 5.APR.2023 02:38:05

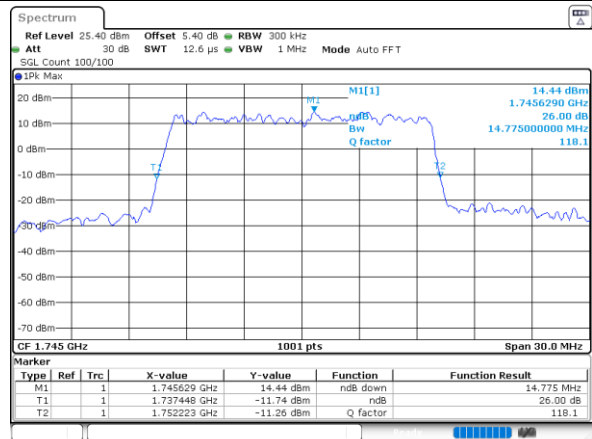
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 5.APR.2023 02:39:10

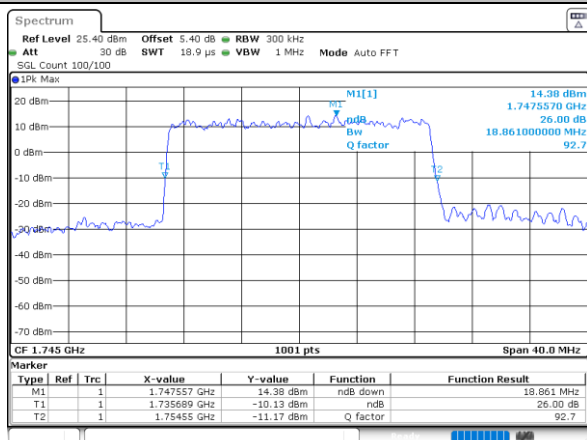
Middle Channel / 15MHz / 16QAM



Date: 5.APR.2023 02:39:32

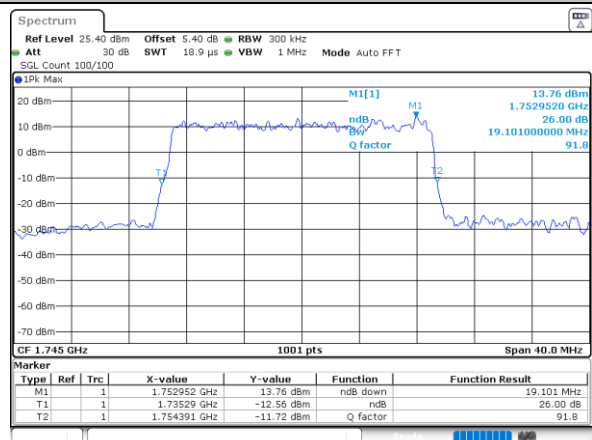
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 5.APR.2023 02:31:09

Middle Channel / 20MHz / 16QAM



Date: 5.APR.2023 02:31:31

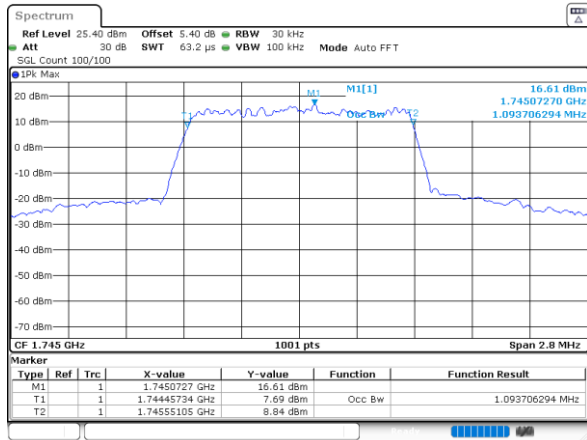
**Occupied Bandwidth**

Mode	LTE Band 66 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.75	2.70
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.11	8.99
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.37	13.49
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.90

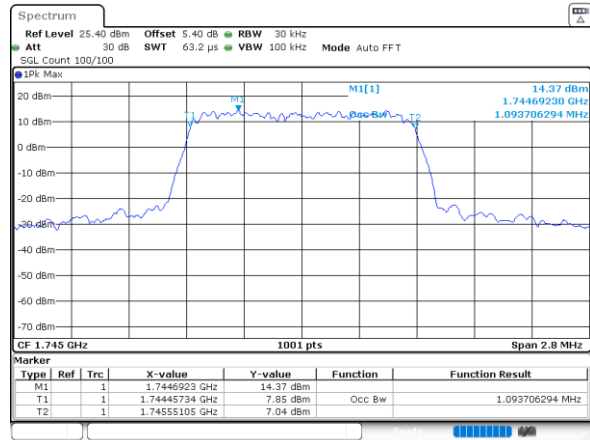


LTE Band 66

Middle Channel / 1.4MHz / QPSK

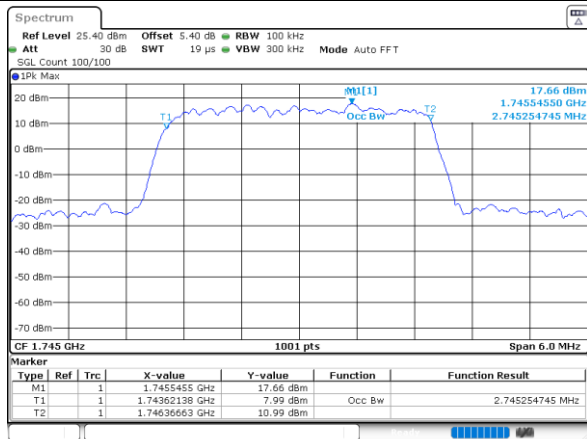


Middle Channel / 1.4MHz / 16QAM

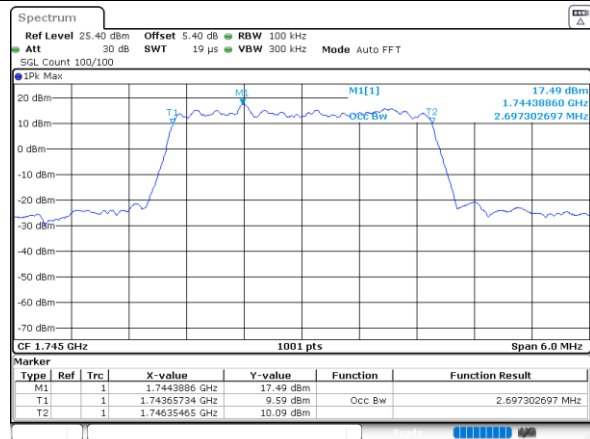


LTE Band 66

Middle Channel / 3MHz / QPSK

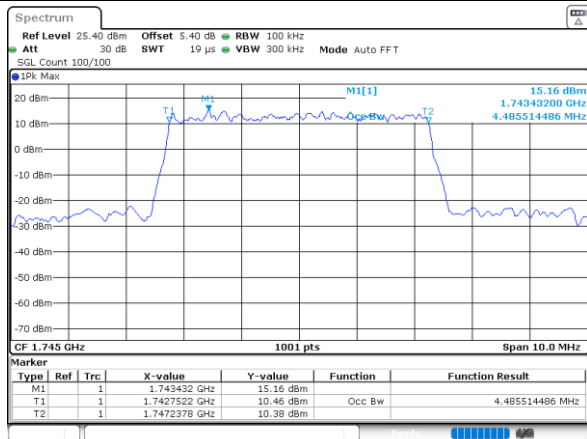


Middle Channel / 3MHz / 16QAM

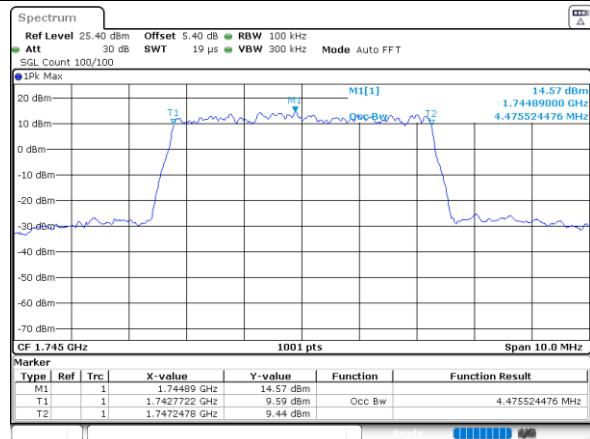


LTE Band 66

Middle Channel / 5MHz / QPSK



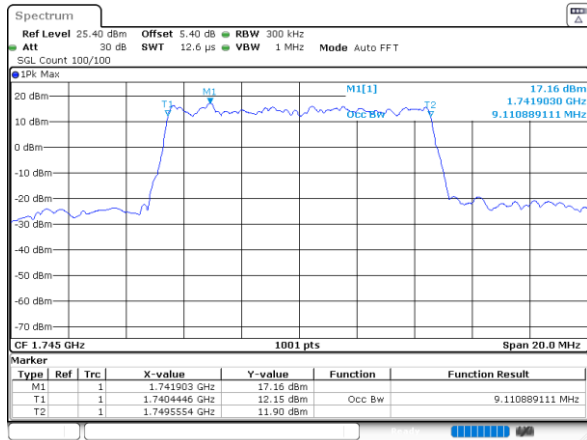
Middle Channel / 5MHz / 16QAM



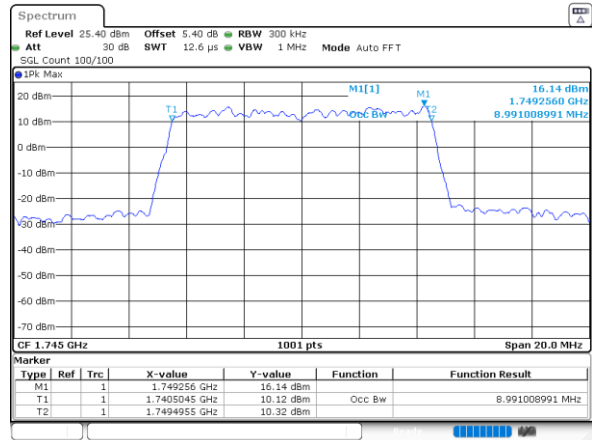


LTE Band 66

Middle Channel / 10MHz / QPSK

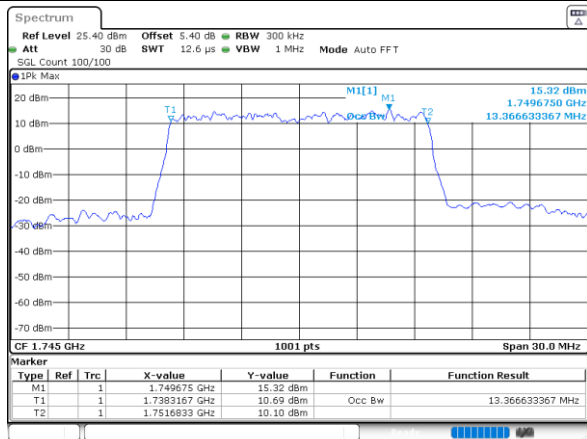


Middle Channel / 10MHz / 16QAM

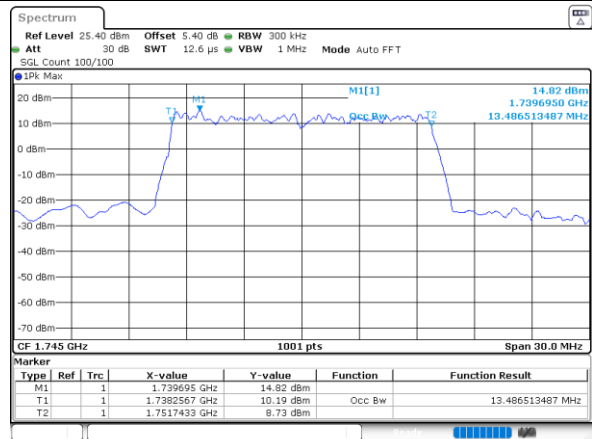


LTE Band 66

Middle Channel / 15MHz / QPSK

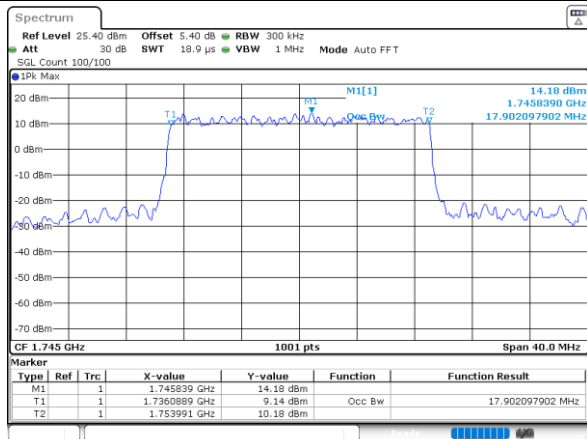


Middle Channel / 15MHz / 16QAM

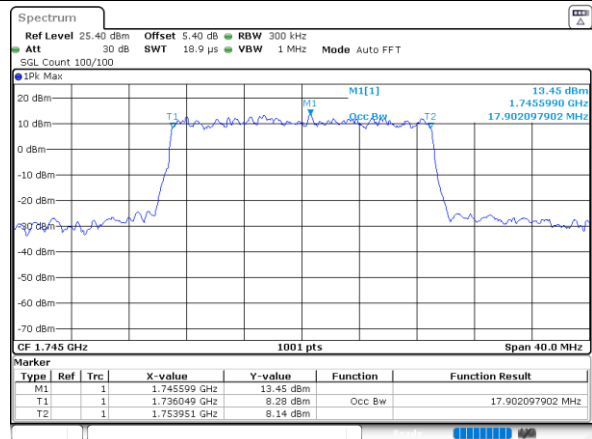


LTE Band 66

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

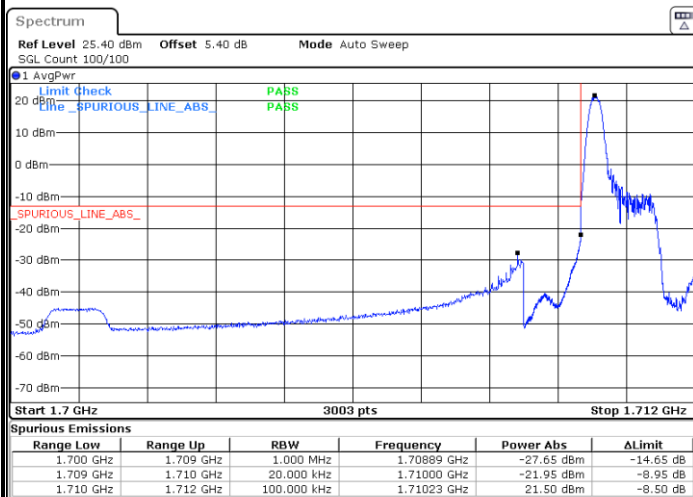




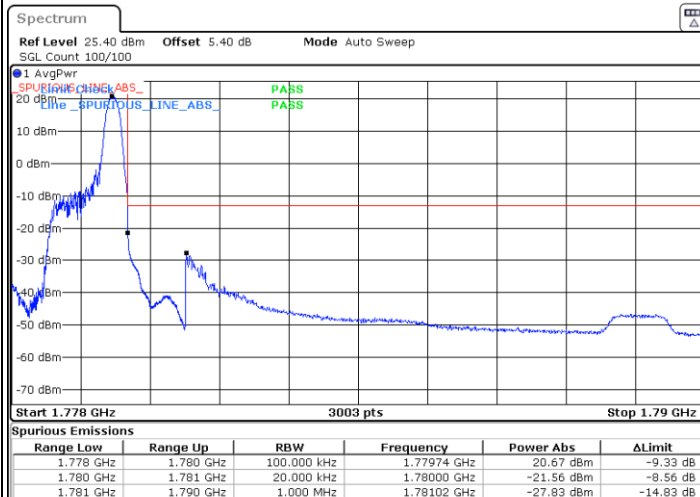
Conducted Band Edge

LTE Band 66 / 1.4MHz / QPSK

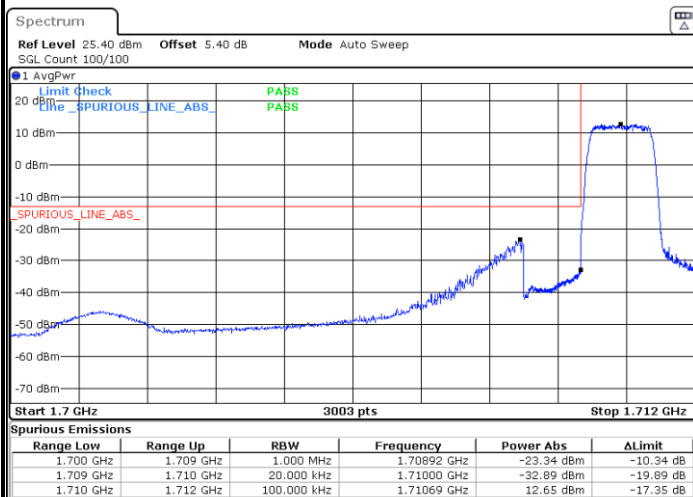
Lowest Band Edge / 1RB



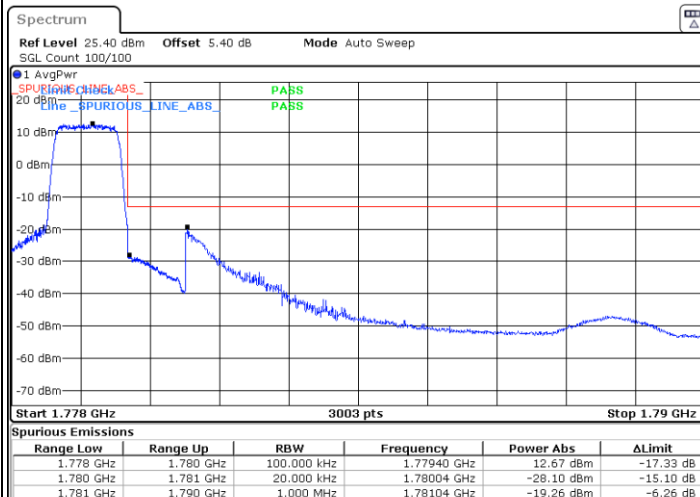
Highest Band Edge / 1RB



Lowest Band Edge / Full RB



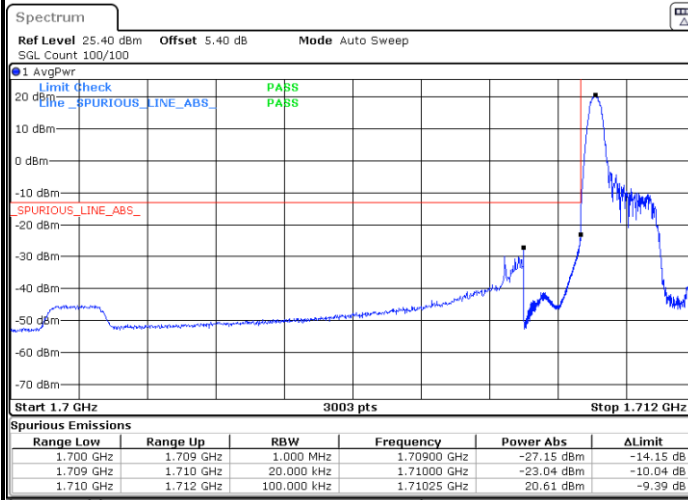
Highest Band Edge / Full RB



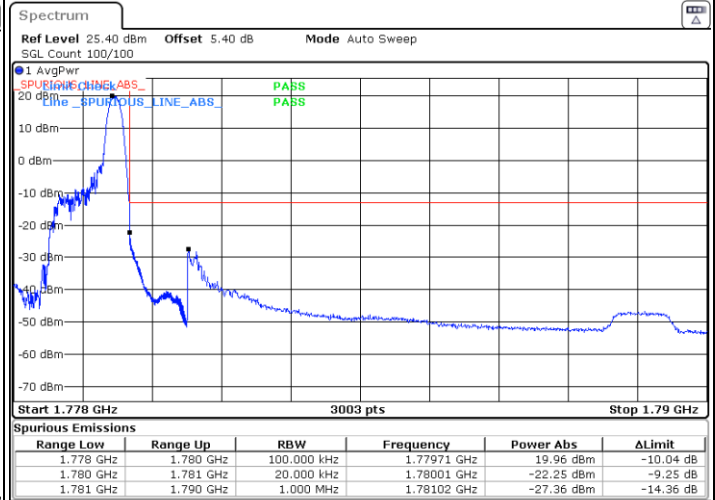


LTE Band 66 / 1.4MHz / 16QAM

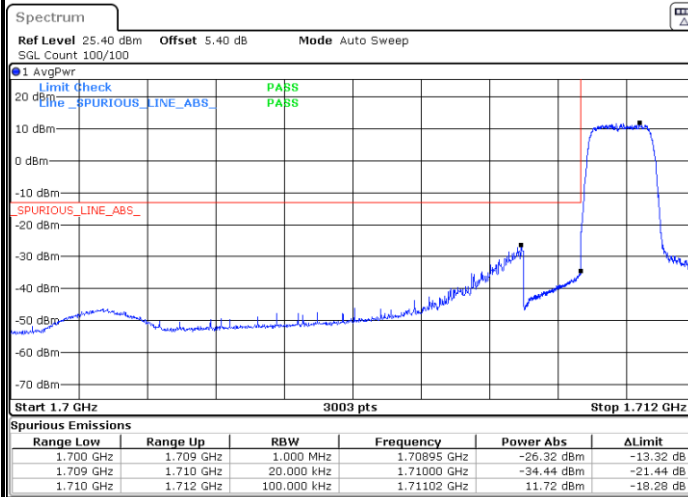
Lowest Band Edge / 1 RB



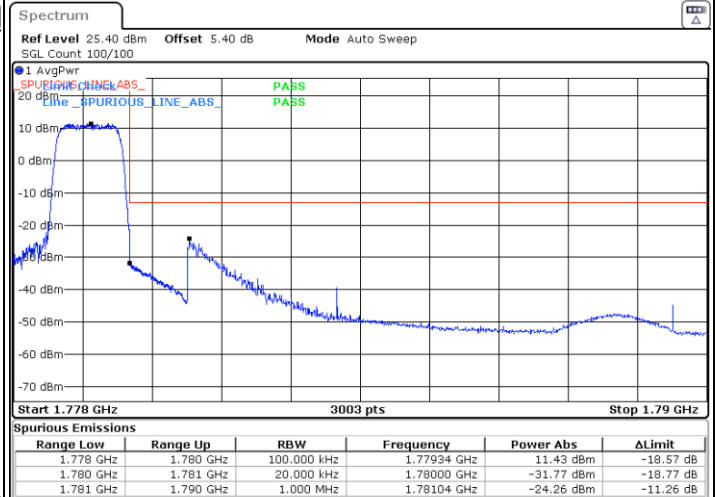
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



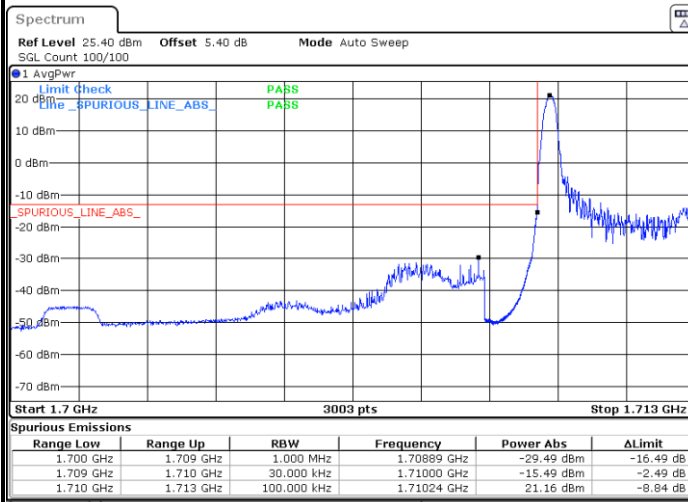
Highest Band Edge / Full RB



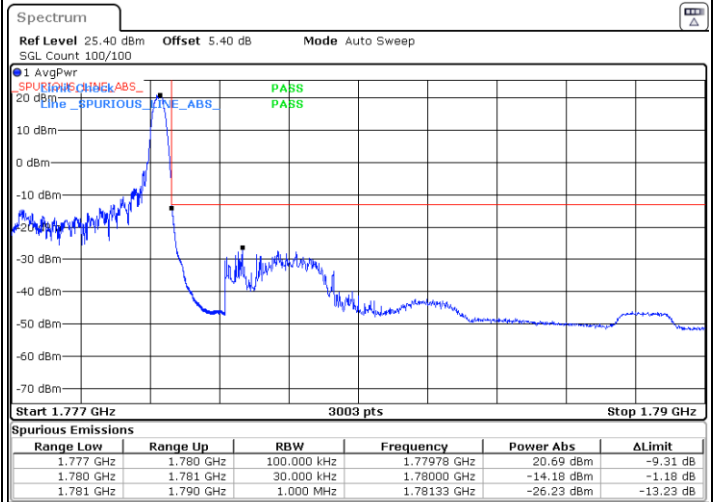


LTE Band 66 / 3MHz / QPSK

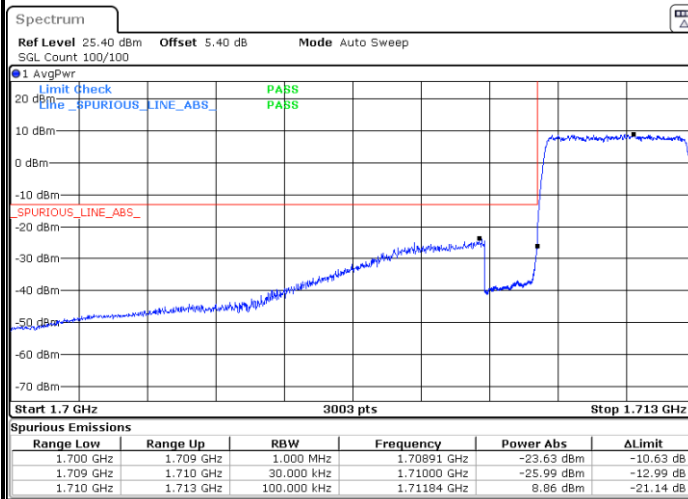
Lowest Band Edge / 1RB



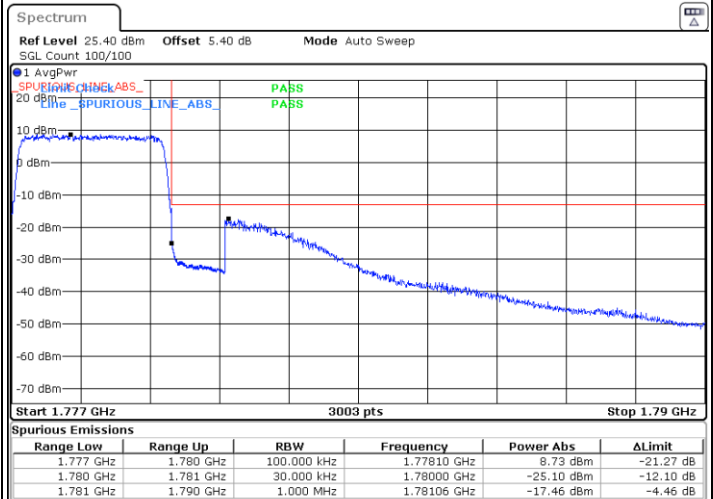
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



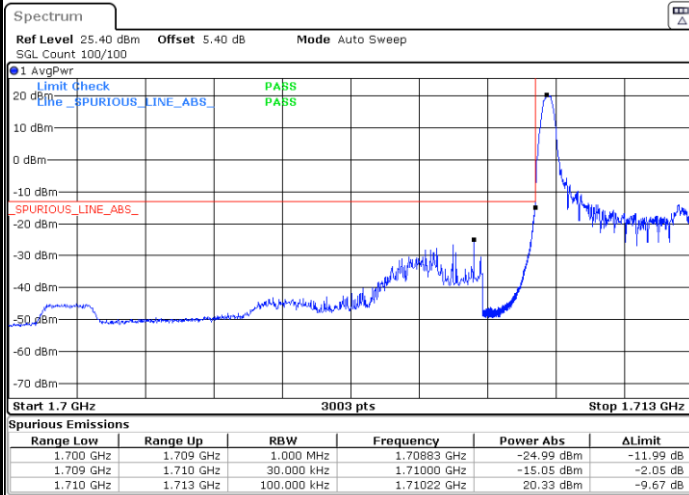
Highest Band Edge / Full RB



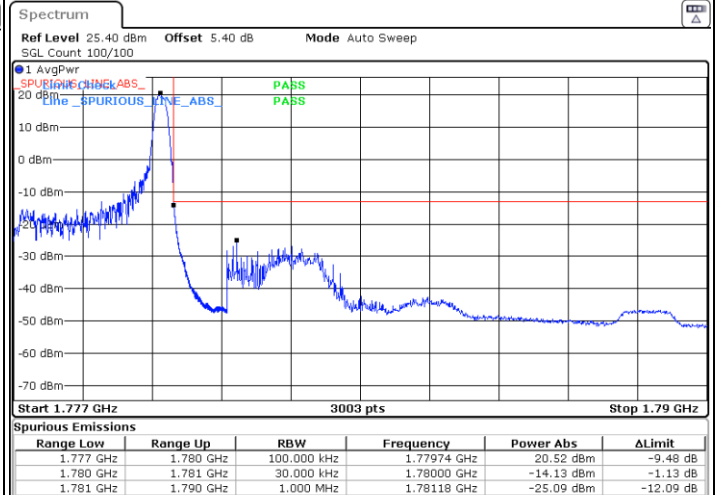


LTE Band 66 / 3MHz / 16QAM

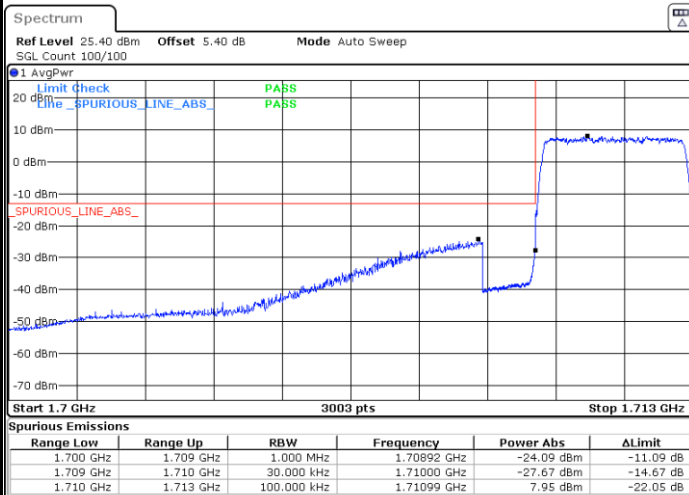
Lowest Band Edge / 1 RB



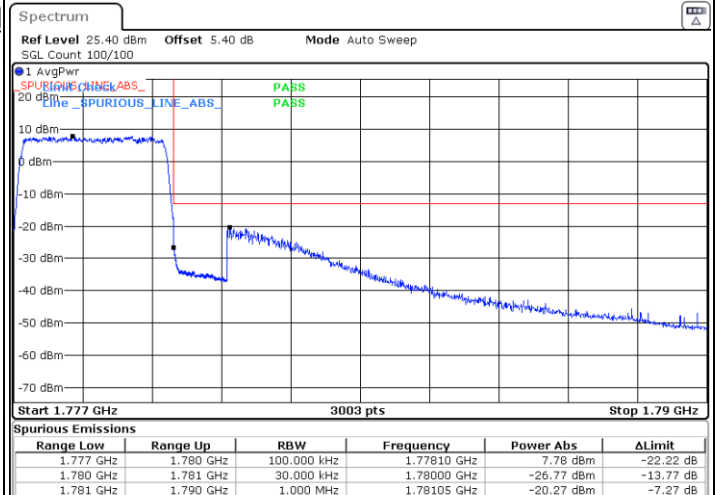
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



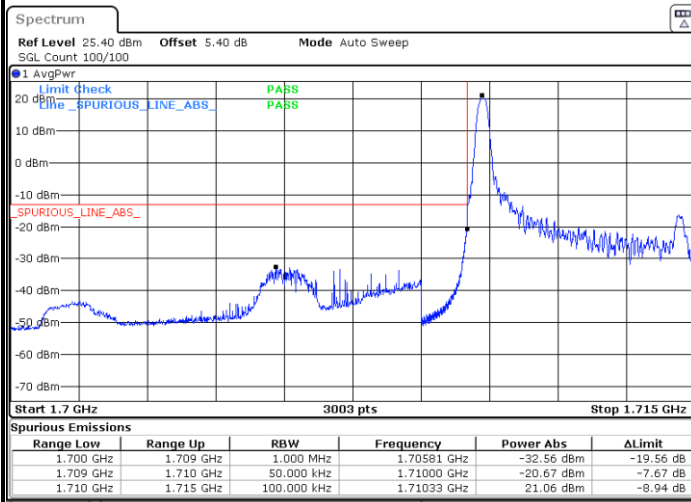
Highest Band Edge / Full RB



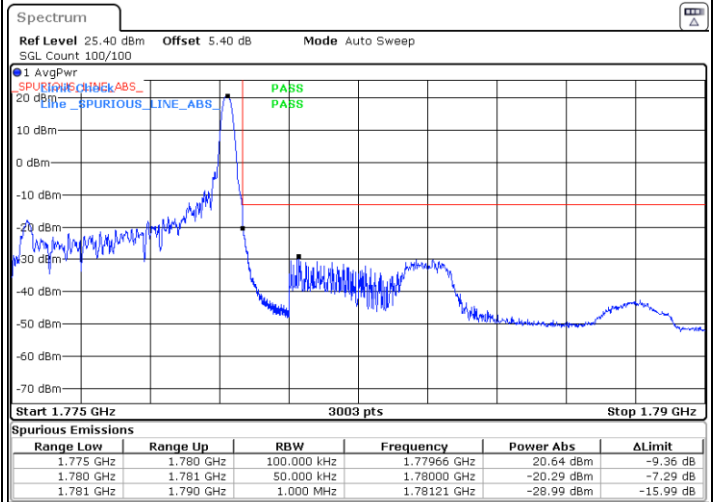


LTE Band 66 / 5MHz / QPSK

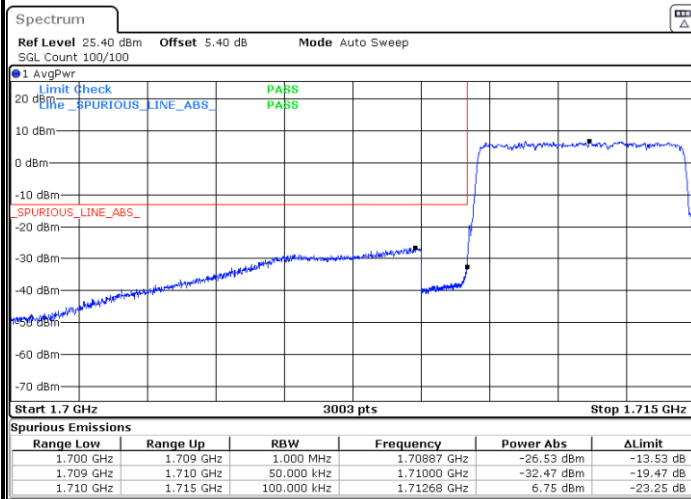
Lowest Band Edge / 1 RB



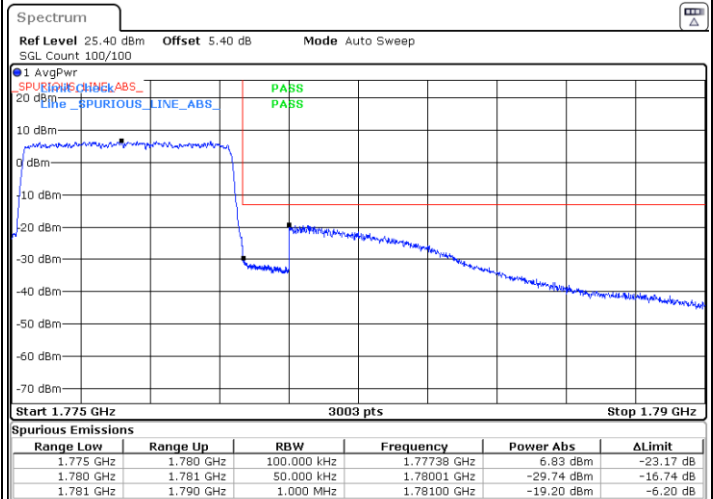
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



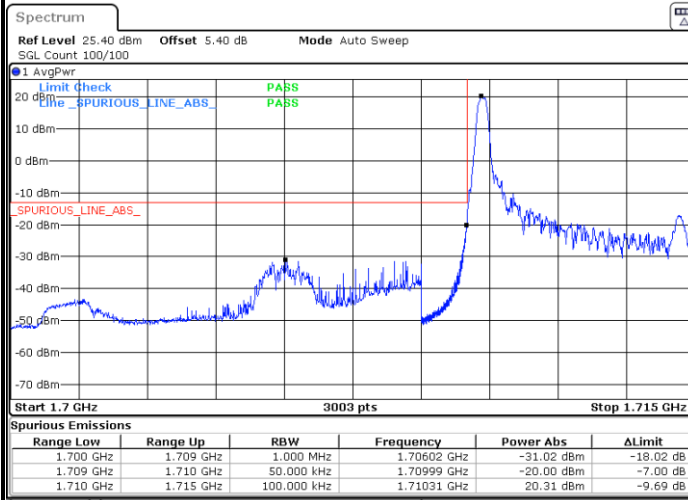
Highest Band Edge / Full RB



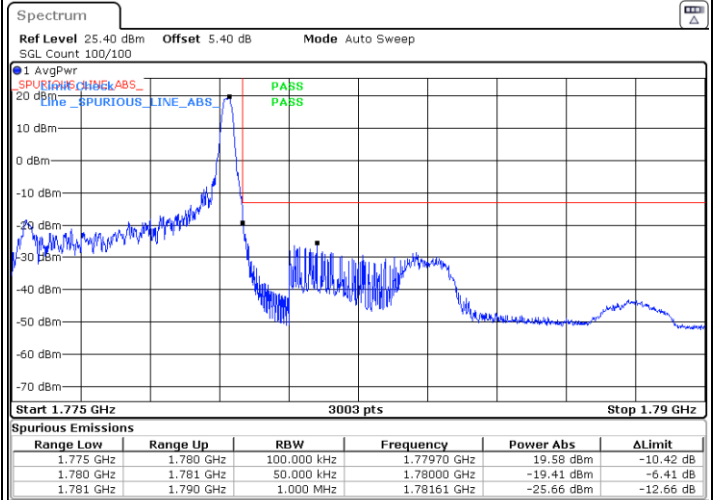


LTE Band 66 / 5MHz / 16QAM

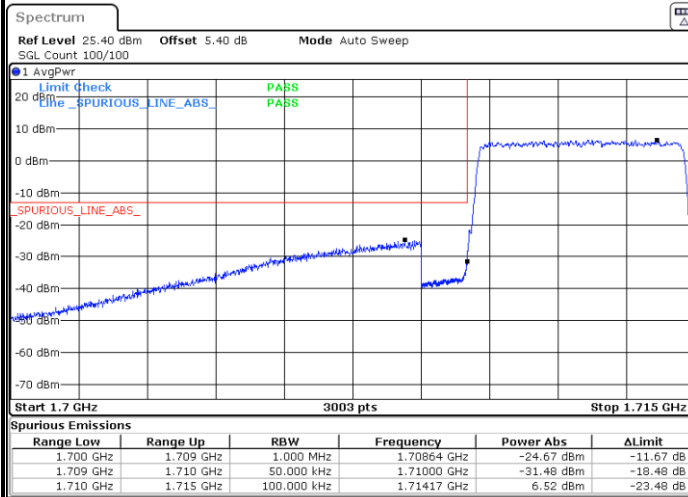
Lowest Band Edge / 1RB



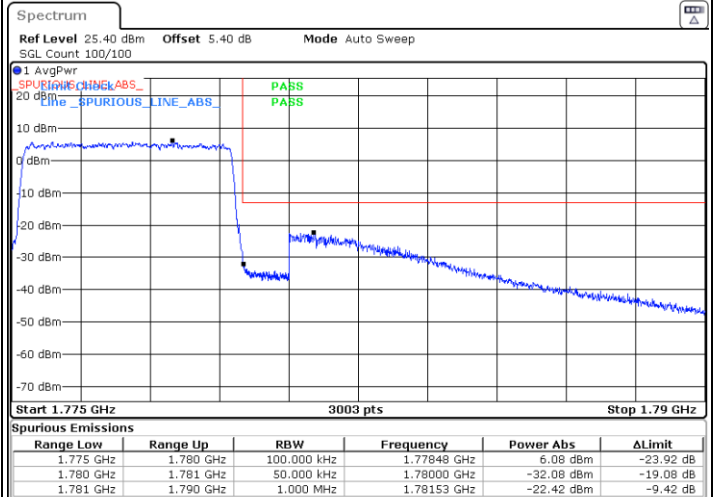
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



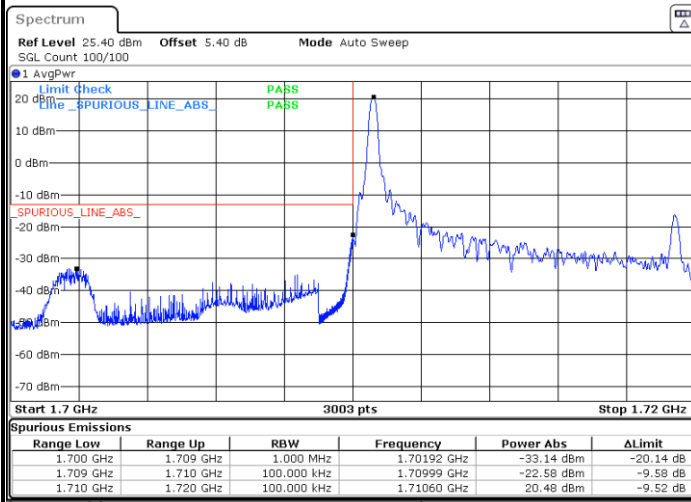
Highest Band Edge / Full RB



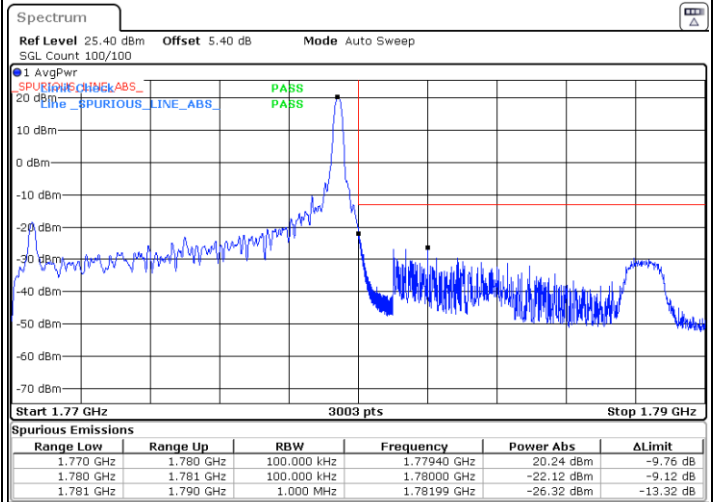


LTE Band 66 / 10MHz / QPSK

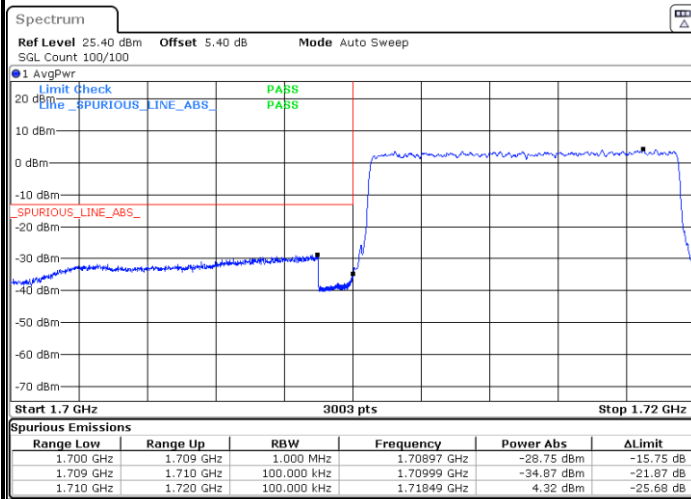
Lowest Band Edge / 1 RB



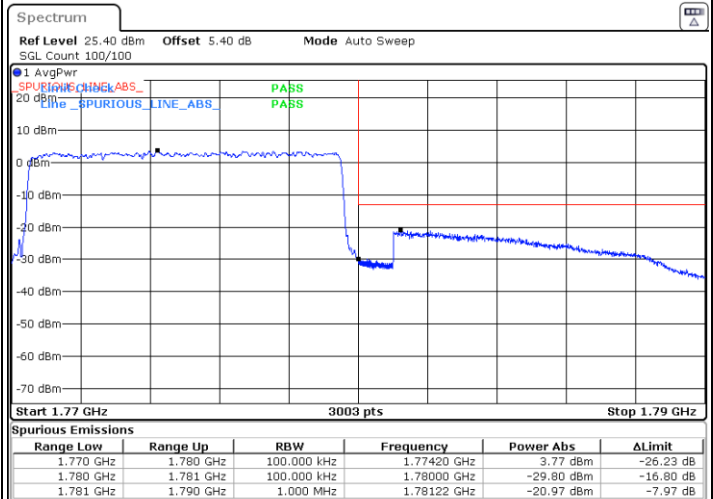
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



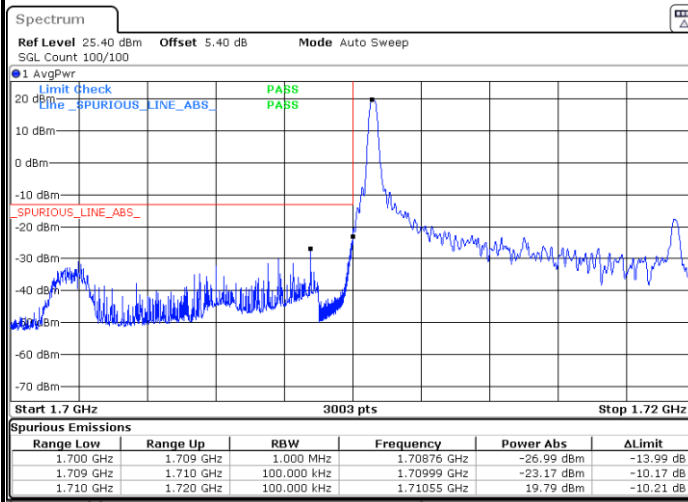
Highest Band Edge / Full RB



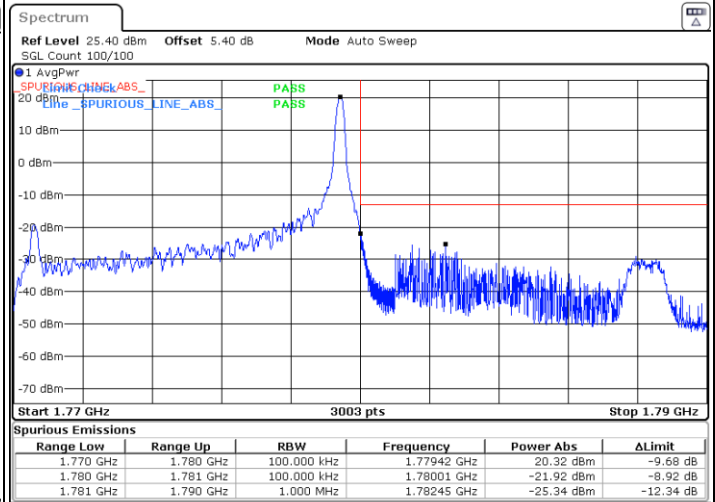


LTE Band 66 / 10MHz / 16QAM

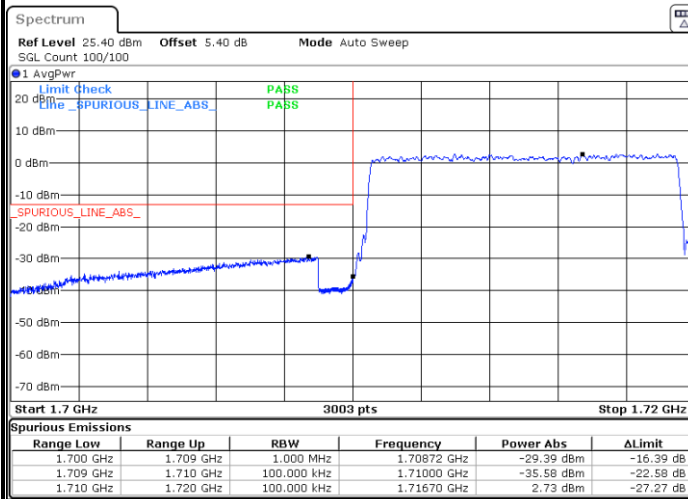
Lowest Band Edge / 1 RB



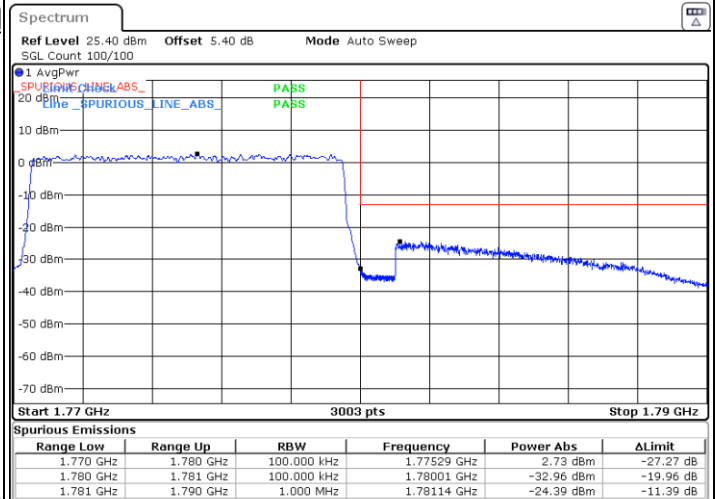
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



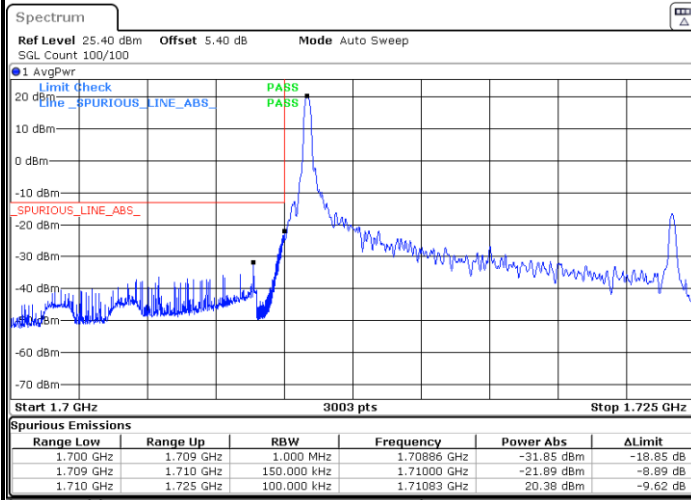
Highest Band Edge / Full RB



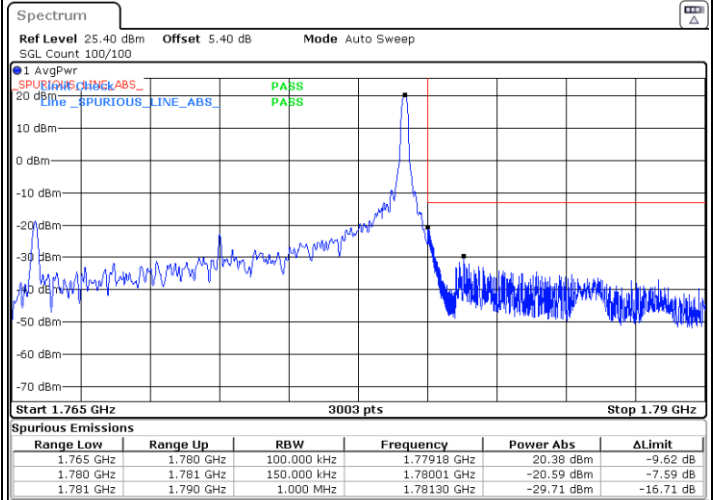


LTE Band 66 / 15MHz / QPSK

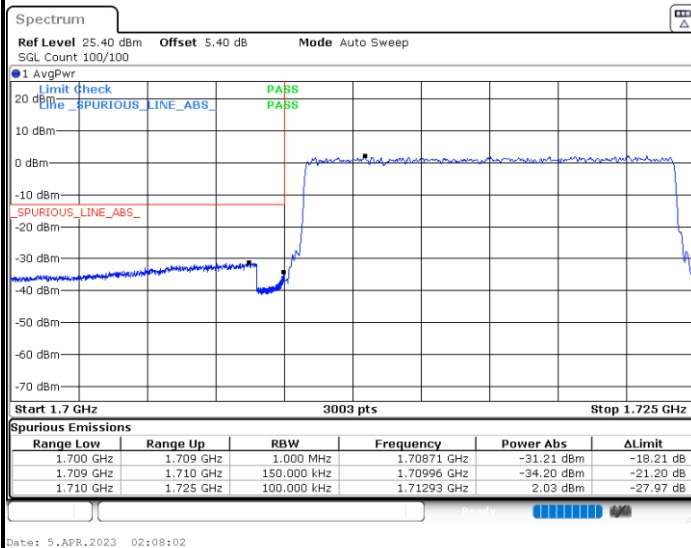
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

