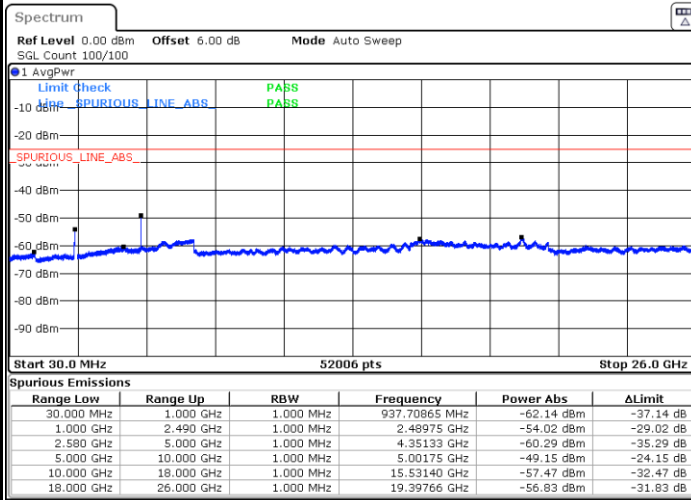




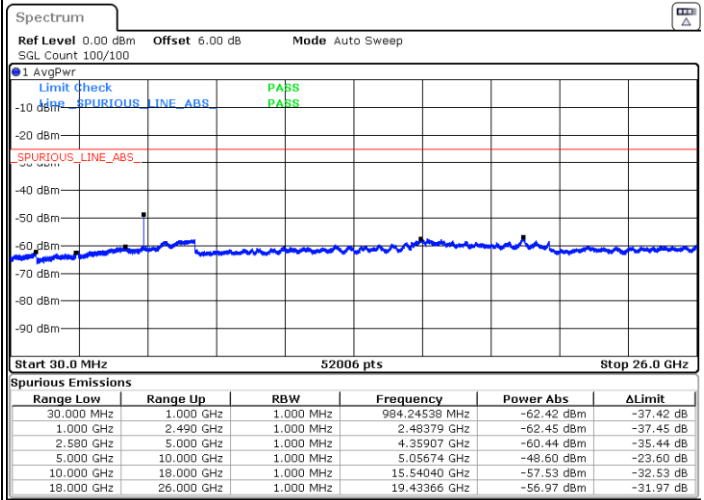
LTE Band 7 / 15MHz

Lowest Channel / QPSK



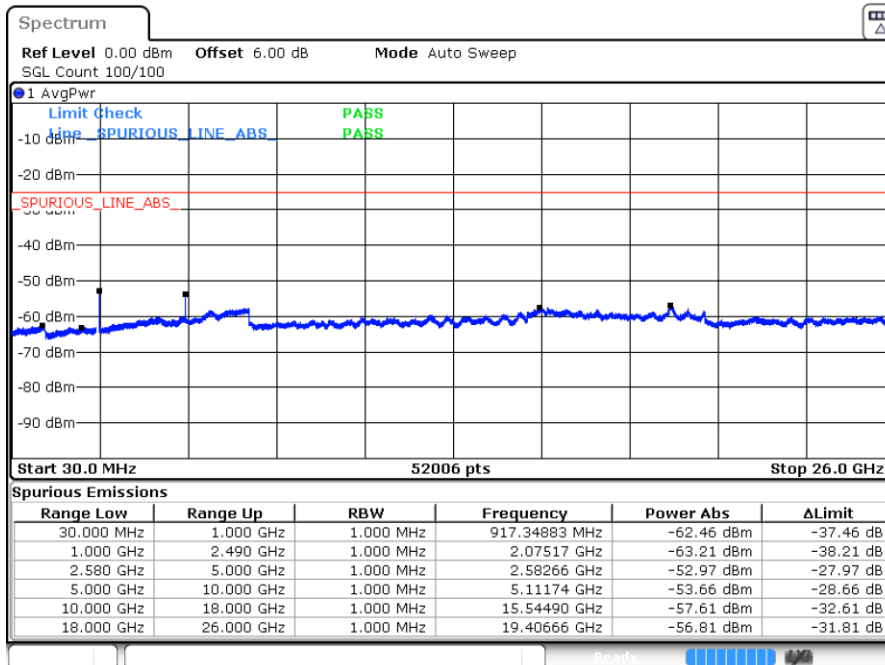
Date: 19 JUL 2023 14:52:55

Middle Channel / QPSK



Date: 19 JUL 2023 14:51:29

Highest Channel / QPSK

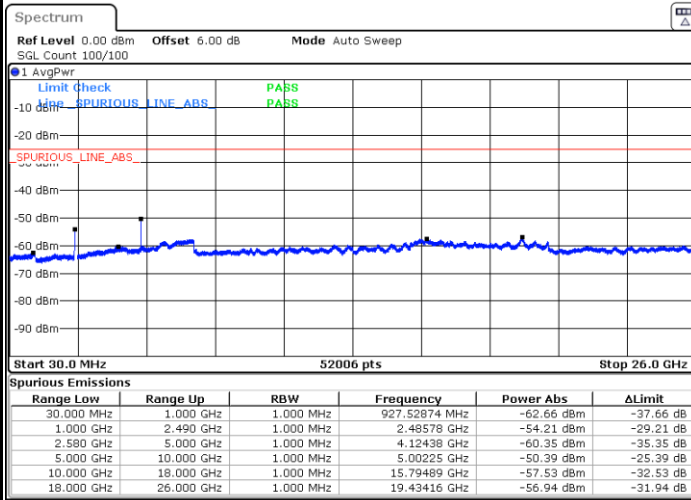


Date: 19 JUL 2023 15:03:03



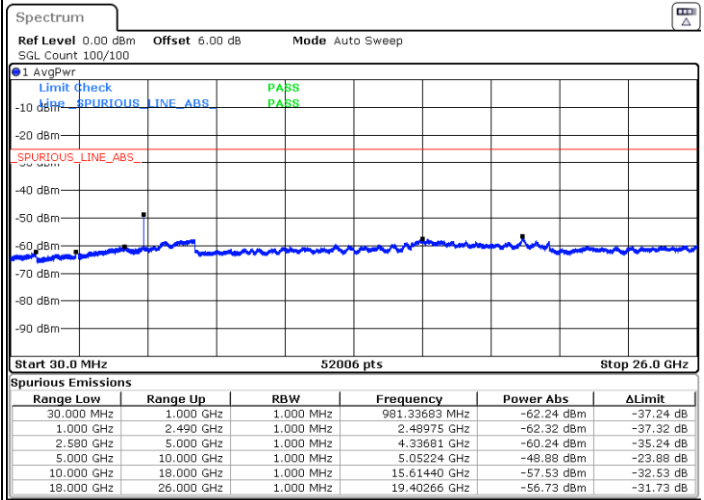
LTE Band 7 / 20MHz

Lowest Channel / QPSK



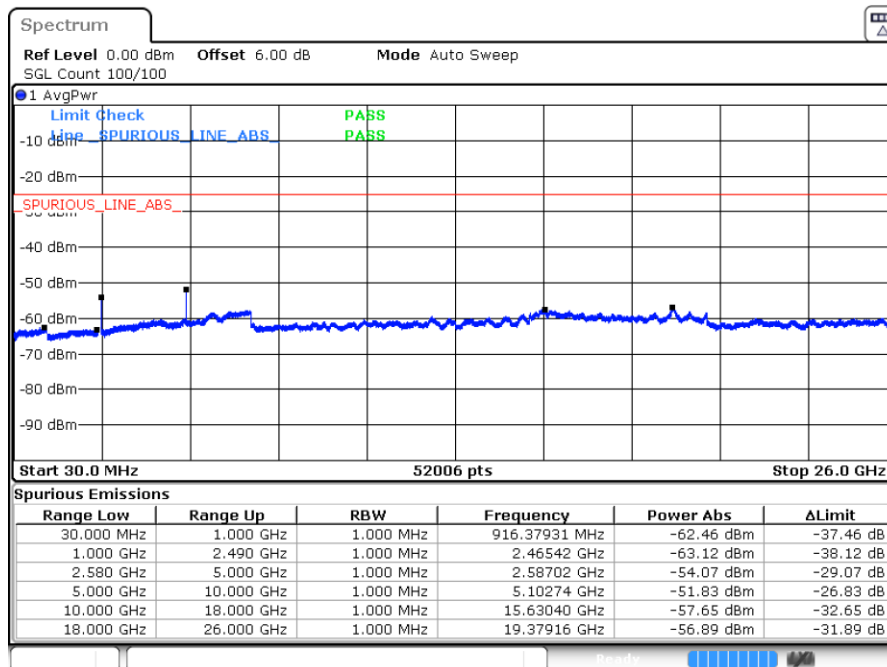
Date: 19 JUL 2023 15:09:32

Middle Channel / QPSK



Date: 19 JUL 2023 15:07:47

Highest Channel / QPSK



Date: 19 JUL 2023 15:21:00

**Frequency Stability**

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0037	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0029	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0042	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0022	
20	Normal Voltage	0.0016	
20	Battery End Point	0.0005	

Note:

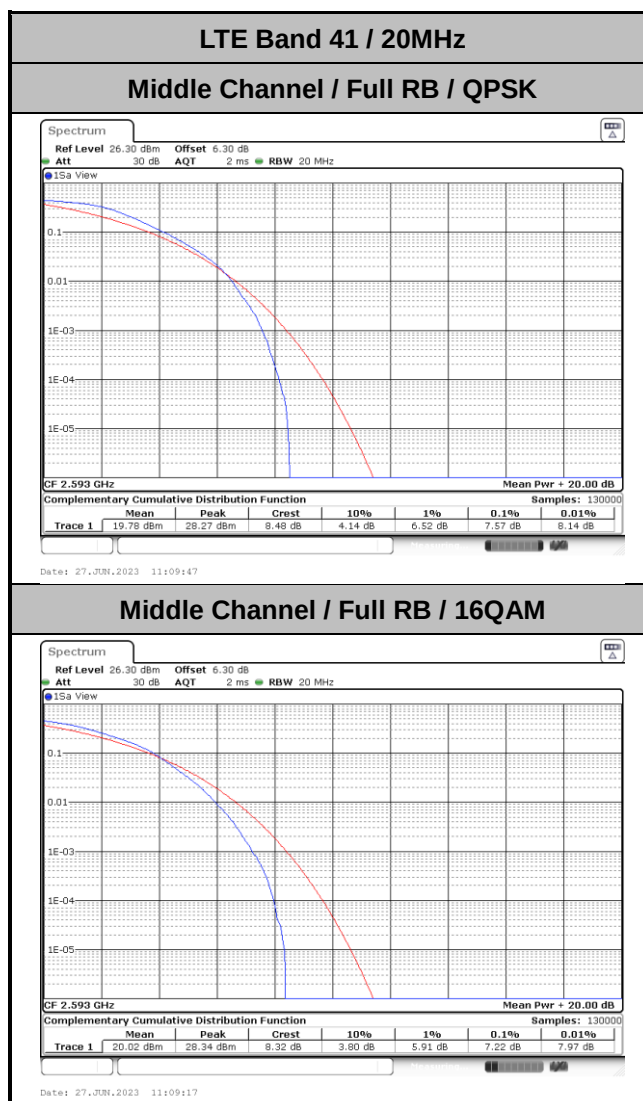
1. Normal Voltage =3.91V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.5 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

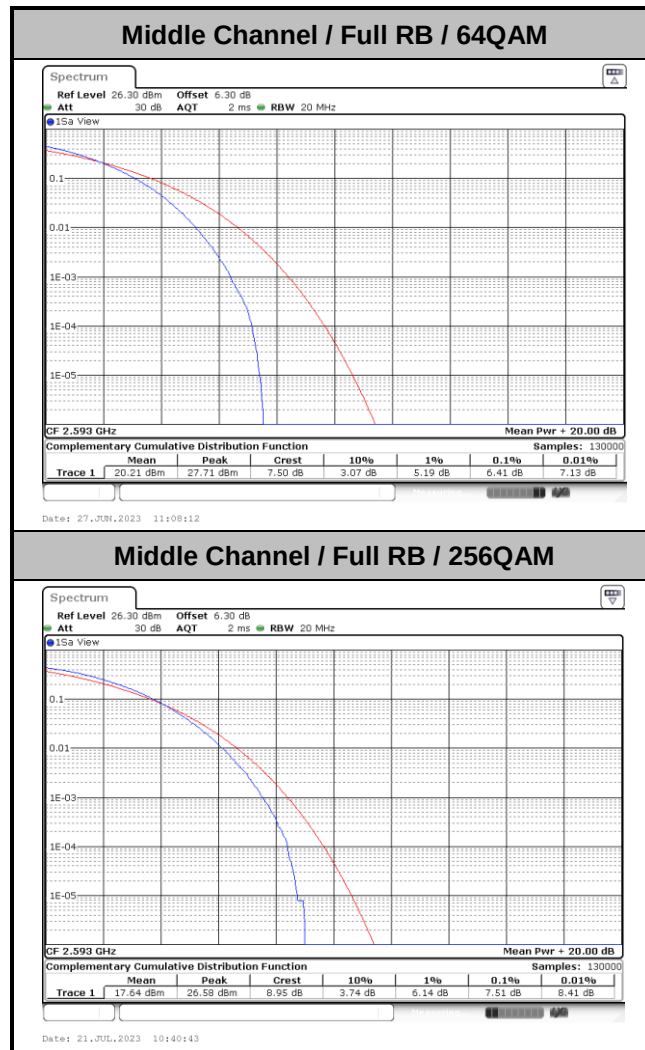


LTE Band 41_Main PA

Peak-to-Average Ratio

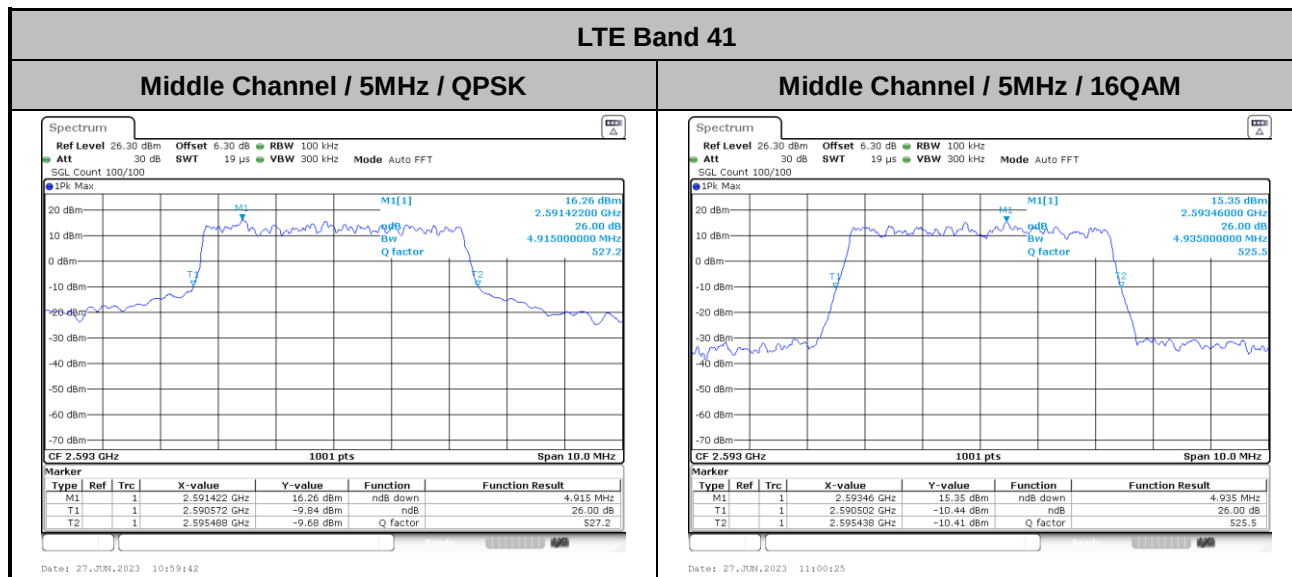
Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB				Result
Middle CH	7.57	7.22	6.41	7.51	PASS





**26dB Bandwidth**

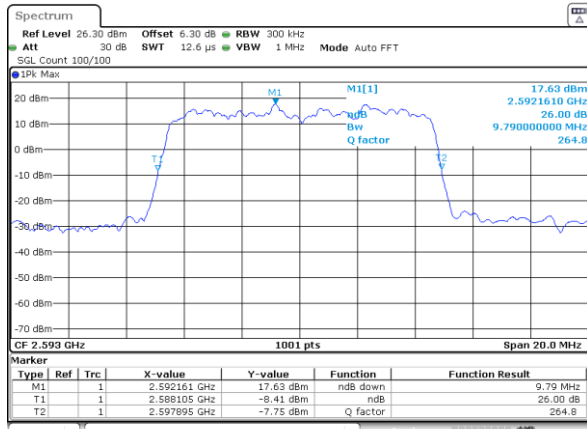
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.92	4.94
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.79	9.77
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.09	14.21
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	18.86





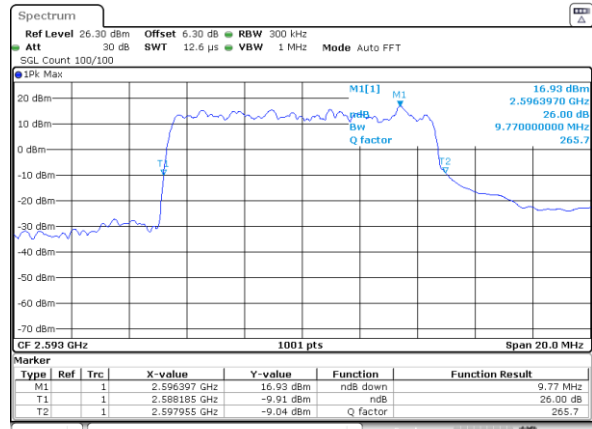
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 27 JUN 2023 11:02:12

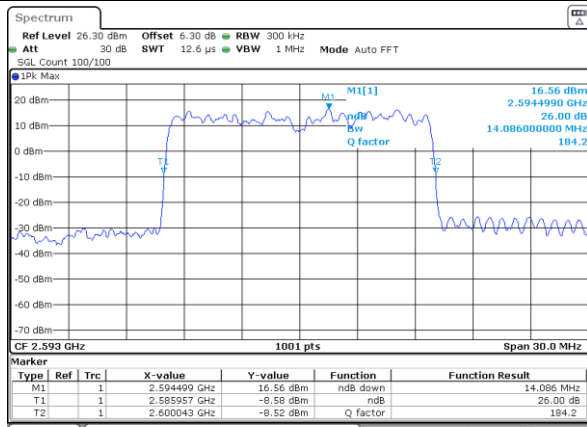
Middle Channel / 10MHz / 16QAM



Date: 27 JUN 2023 11:02:33

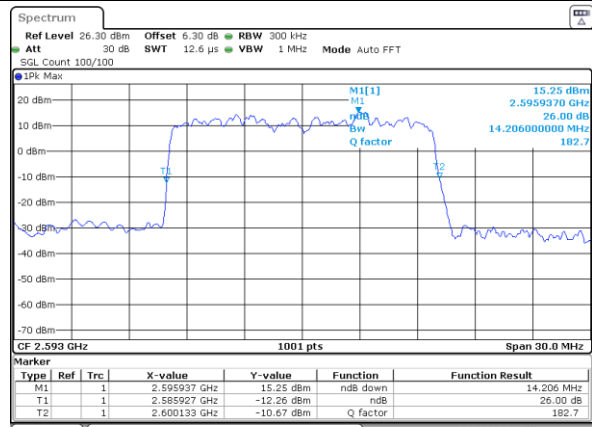
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 27 JUN 2023 11:03:37

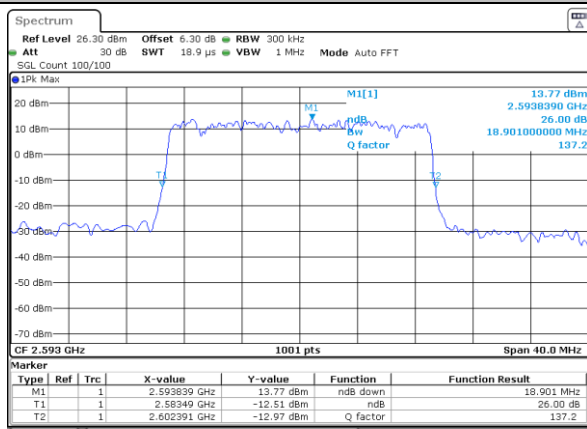
Middle Channel / 15MHz / 16QAM



Date: 27 JUN 2023 11:03:58

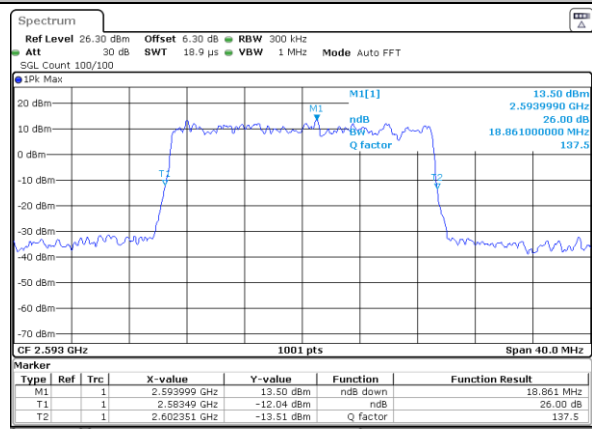
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 27 JUN 2023 11:05:02

Middle Channel / 20MHz / 16QAM

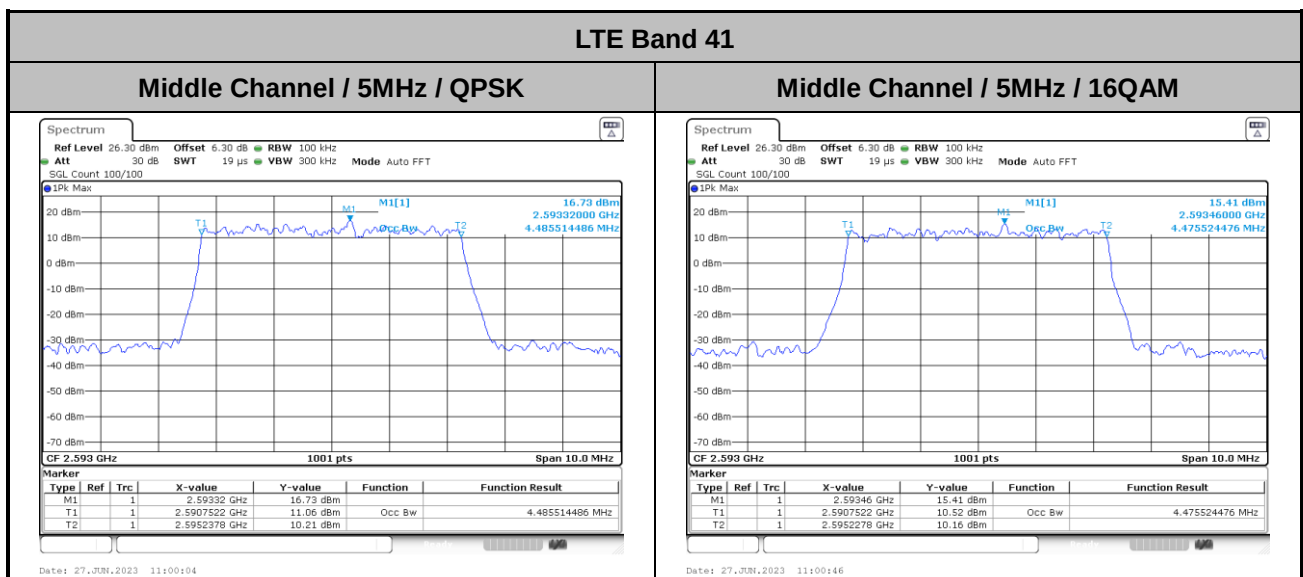


Date: 27 JUN 2023 11:05:23



Occupied Bandwidth

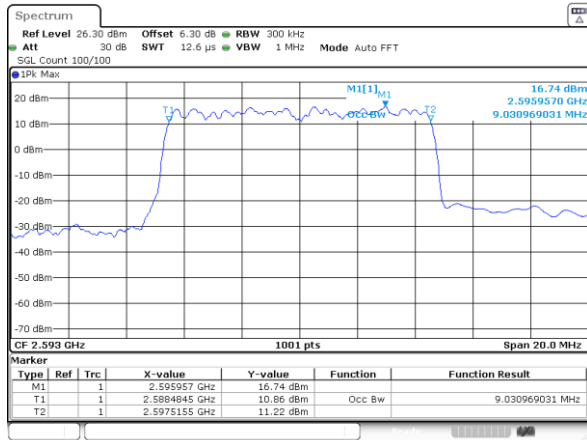
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.49	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	9.01
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.43
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.90



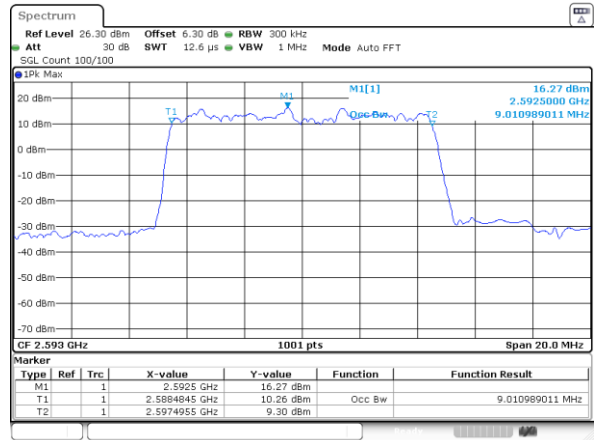


LTE Band 41

Middle Channel / 10MHz / QPSK

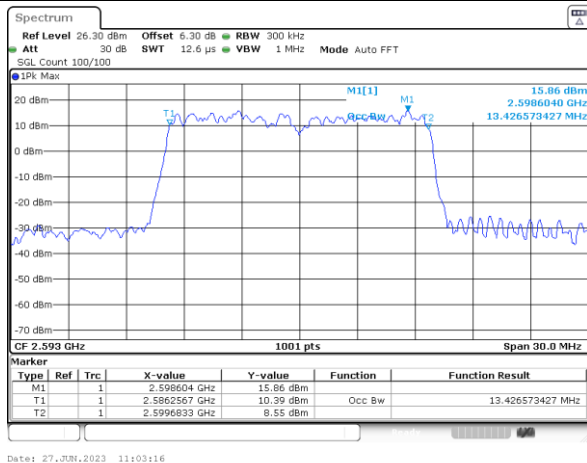


Middle Channel / 10MHz / 16QAM

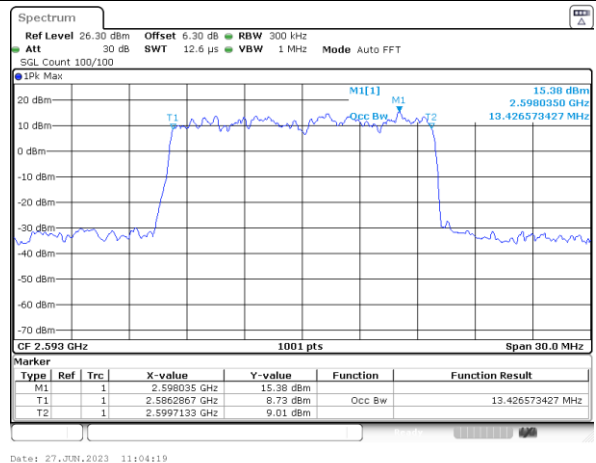


LTE Band 41

Middle Channel / 15MHz / QPSK

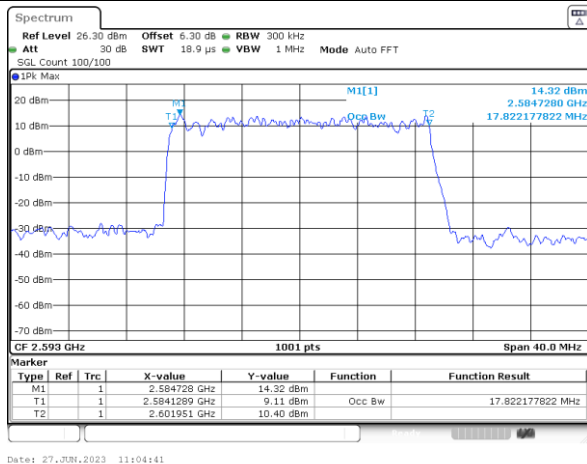


Middle Channel / 15MHz / 16QAM

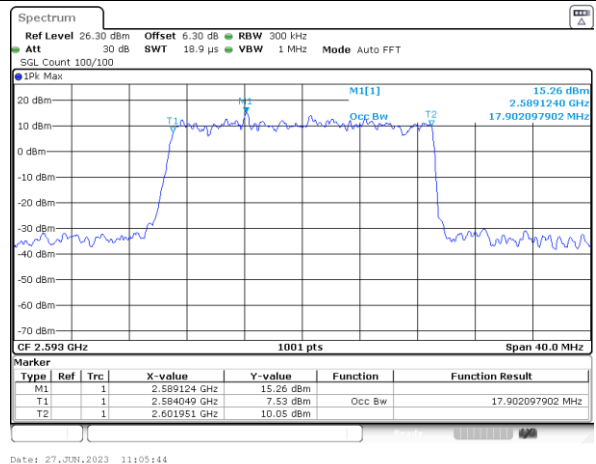


LTE Band 41

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM

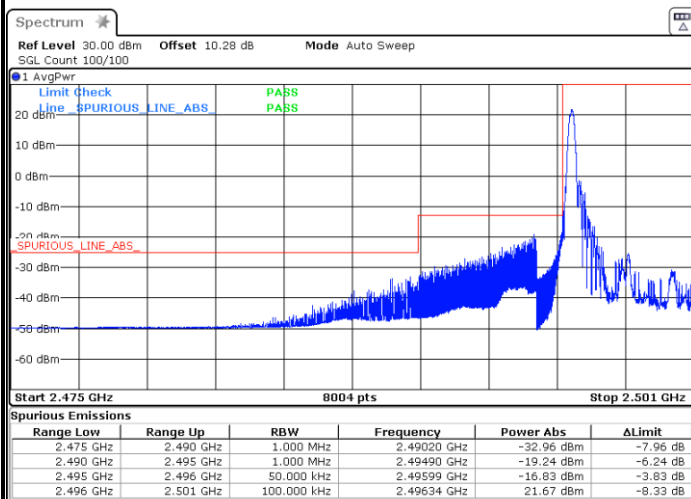




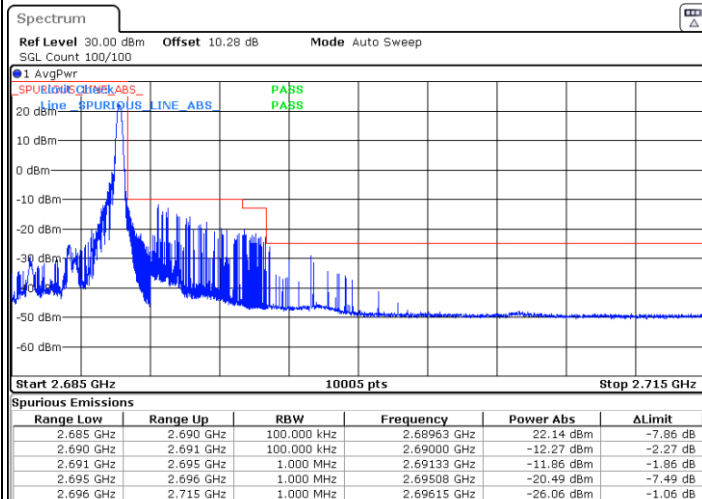
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

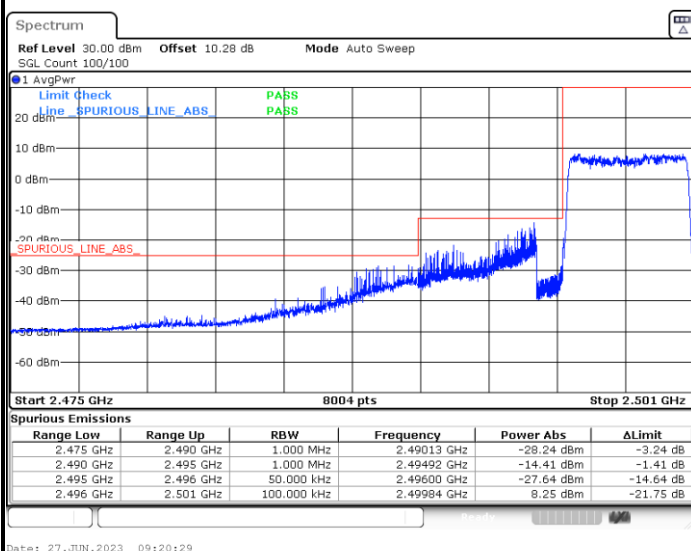
Lowest Band Edge / 1 RB



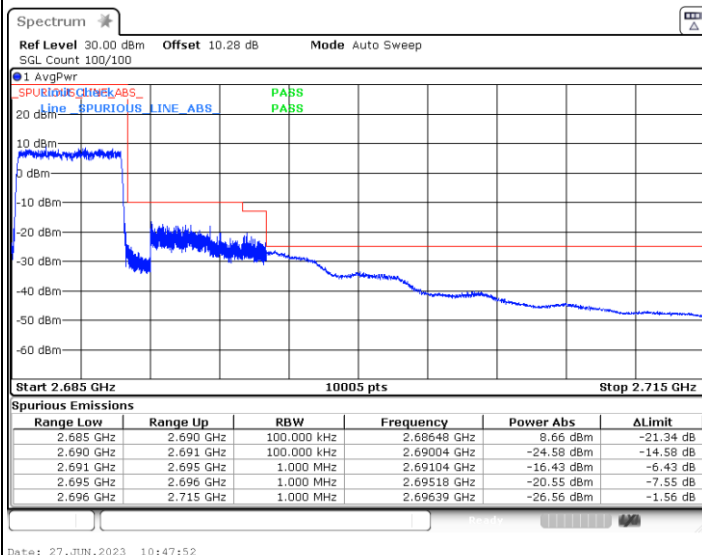
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



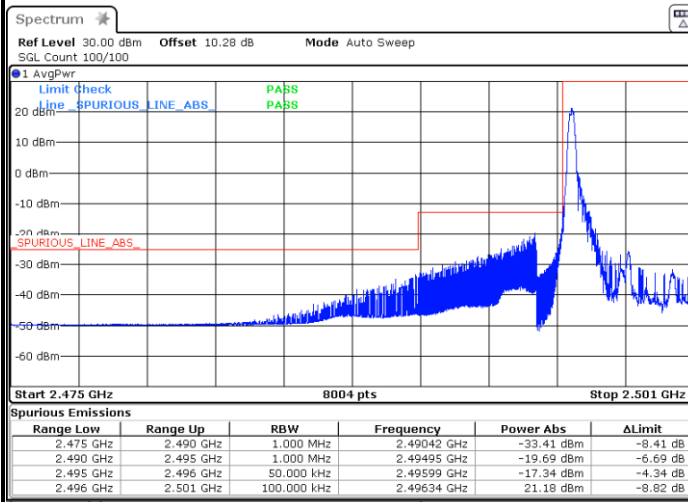
Highest Band Edge / Full RB



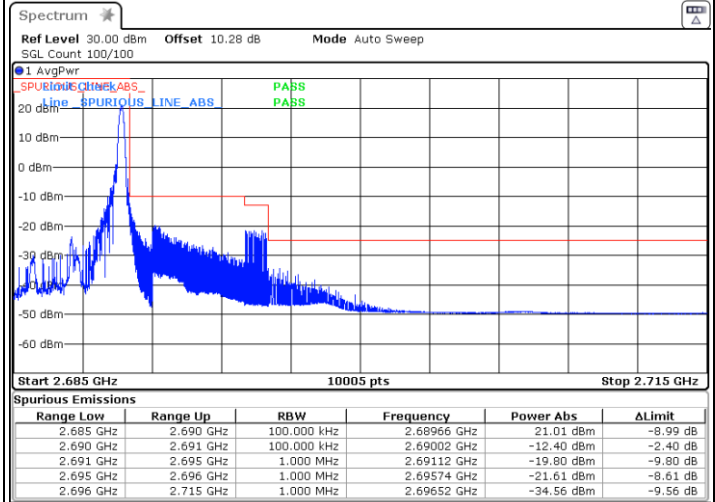


LTE Band 41 / 5MHz / 16QAM

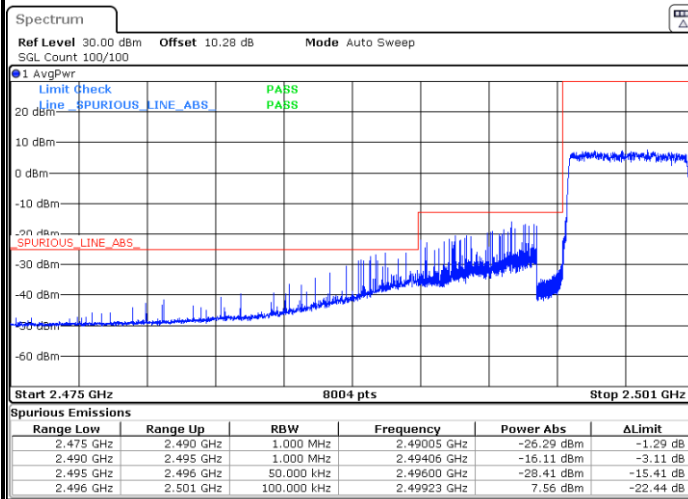
Lowest Band Edge / 1RB



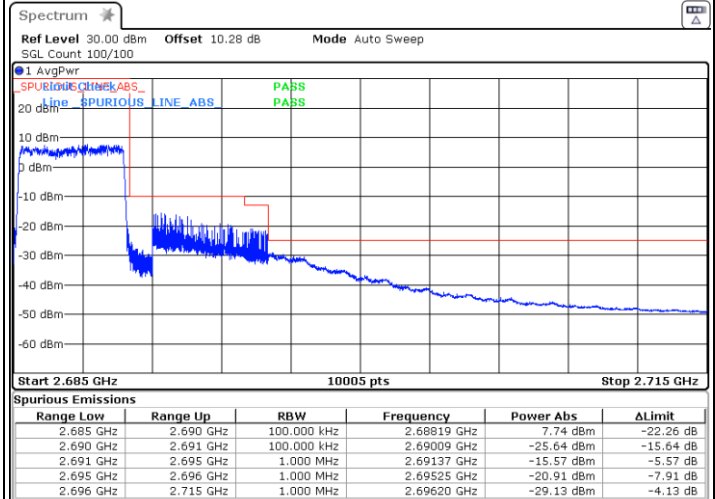
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



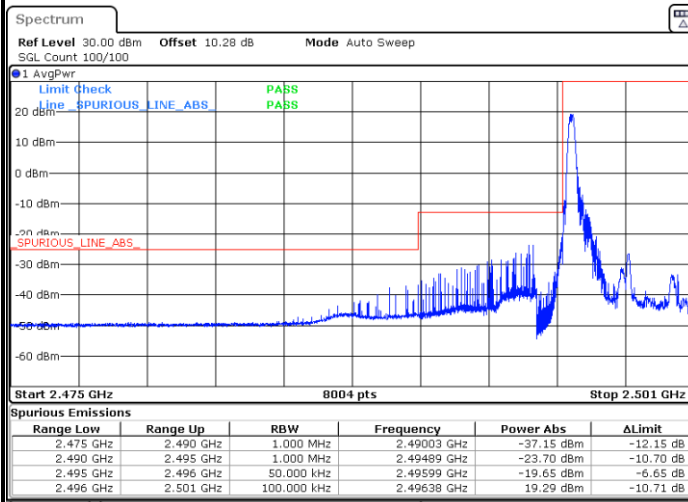
Highest Band Edge / Full RB





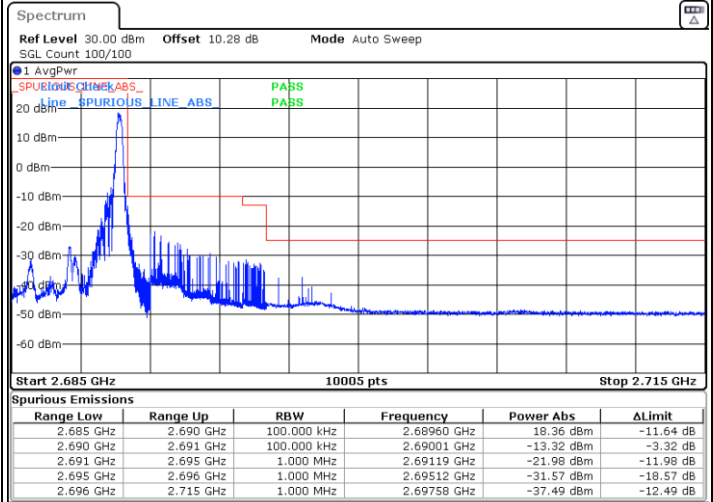
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



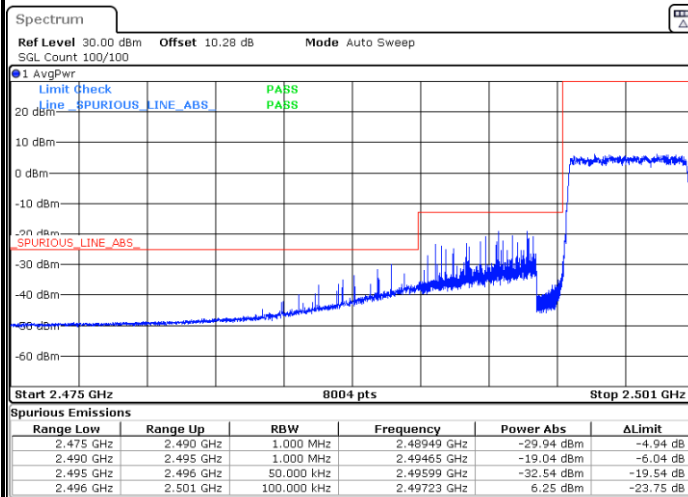
Date: 27.JUN.2023 09:16:21

Highest Band Edge / 1 RB



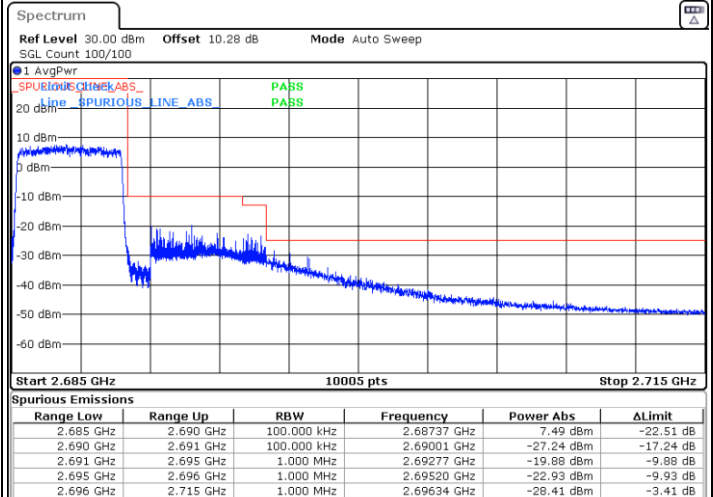
Date: 27.JUN.2023 09:26:28

Lowest Band Edge / Full RB



Date: 27.JUN.2023 09:17:43

Highest Band Edge / Full RB

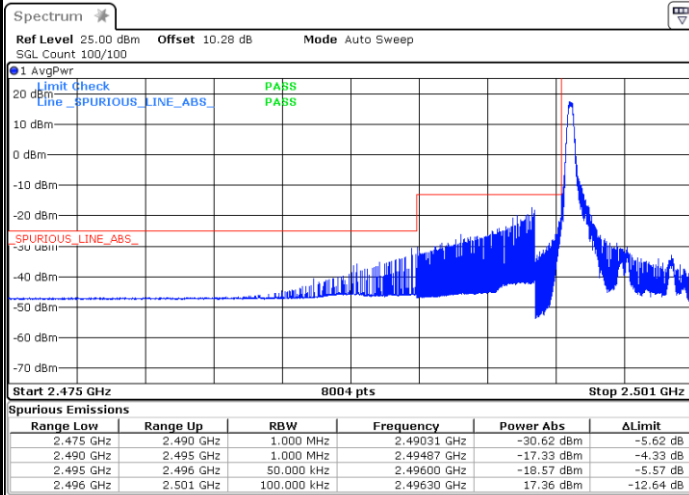


Date: 27.JUN.2023 09:27:48

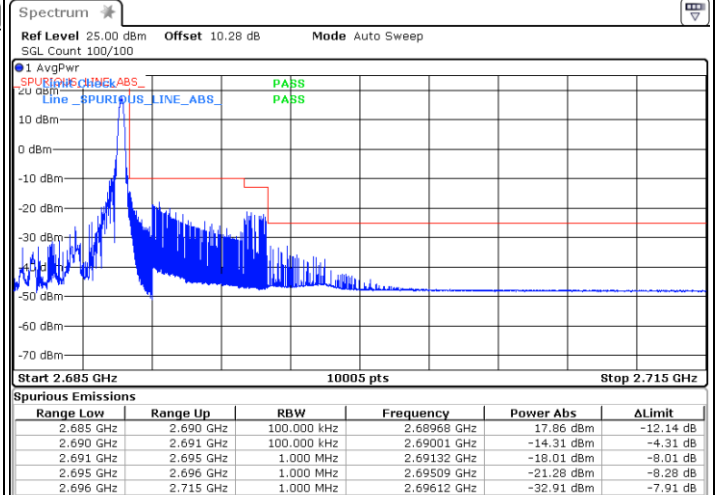


LTE Band 41 / 5MHz / 256QAM

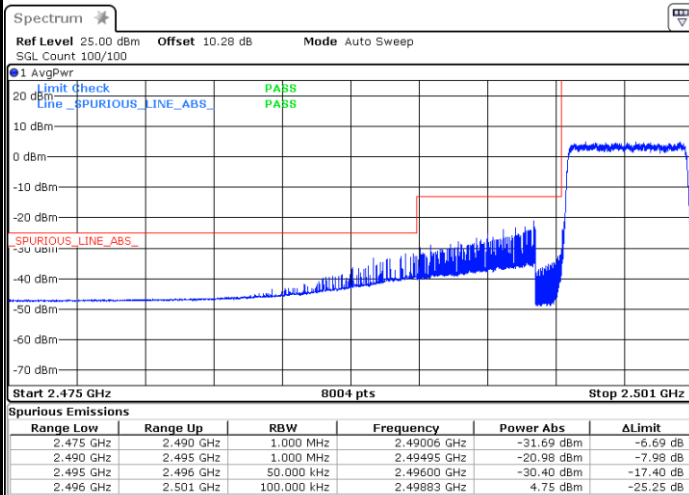
Lowest Band Edge / 1RB



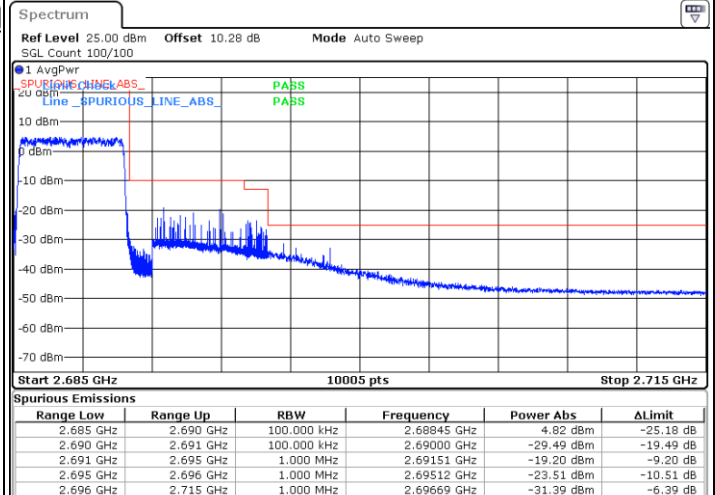
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



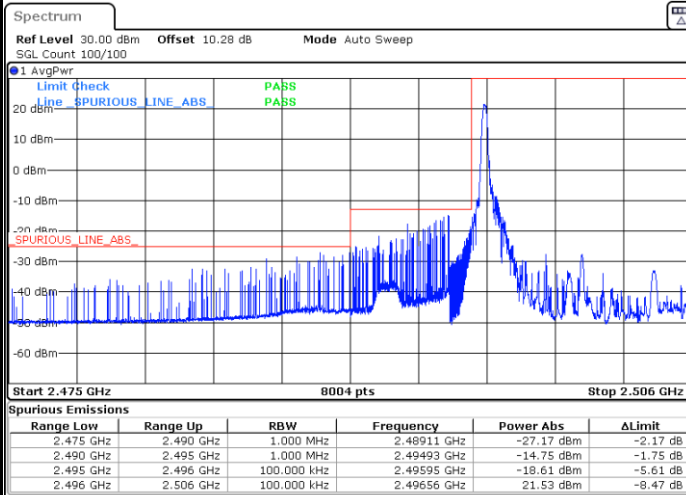
Highest Band Edge / Full RB



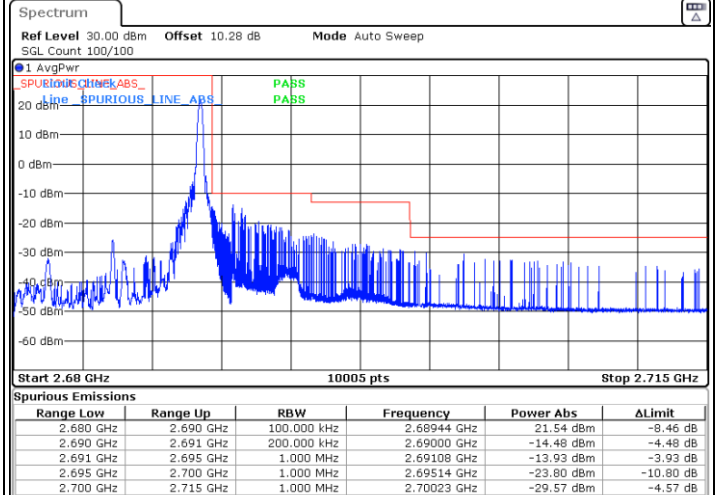


LTE Band 41 / 10MHz / QPSK

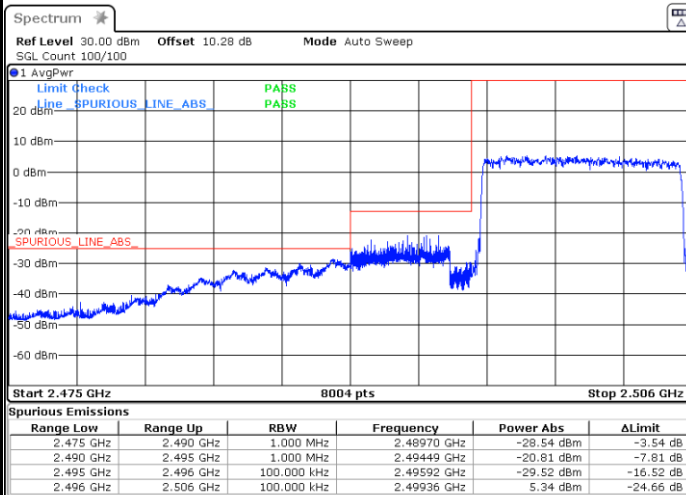
Lowest Band Edge / 1 RB



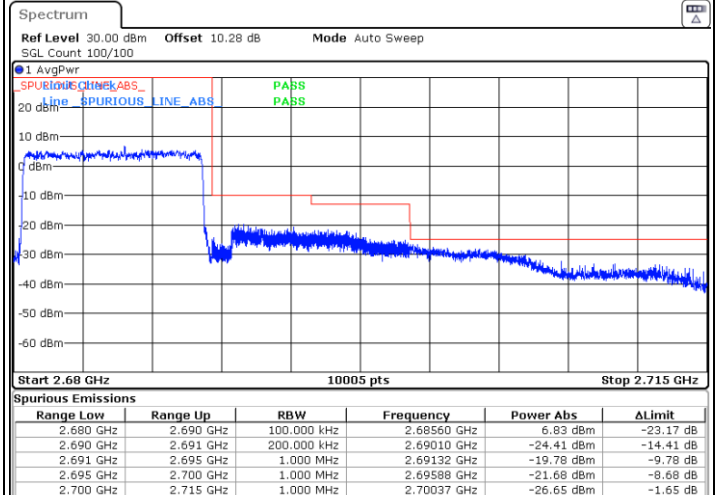
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



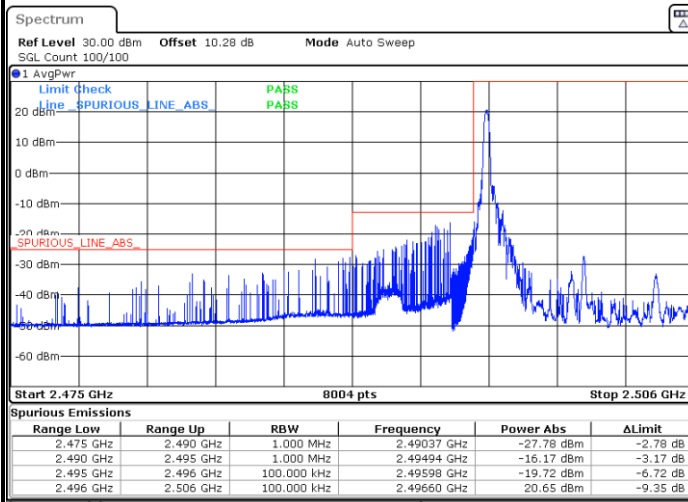
Highest Band Edge / Full RB



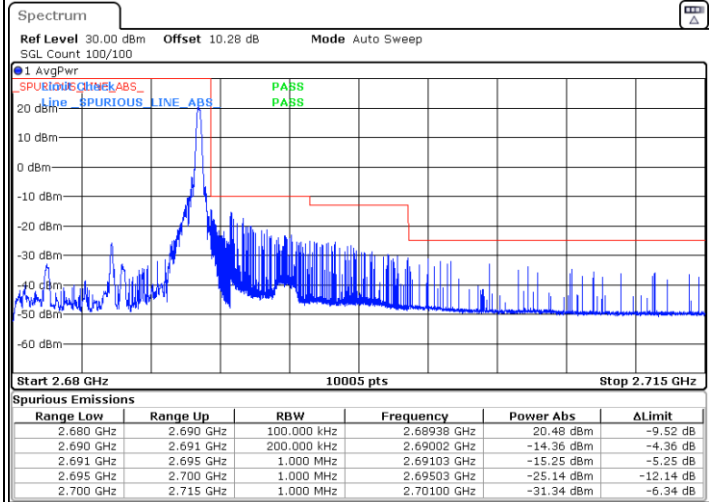


LTE Band 41 / 10MHz / 16QAM

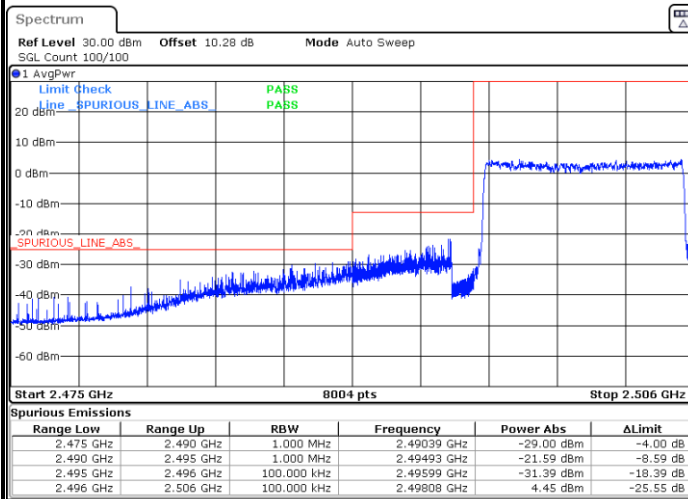
Lowest Band Edge / 1 RB



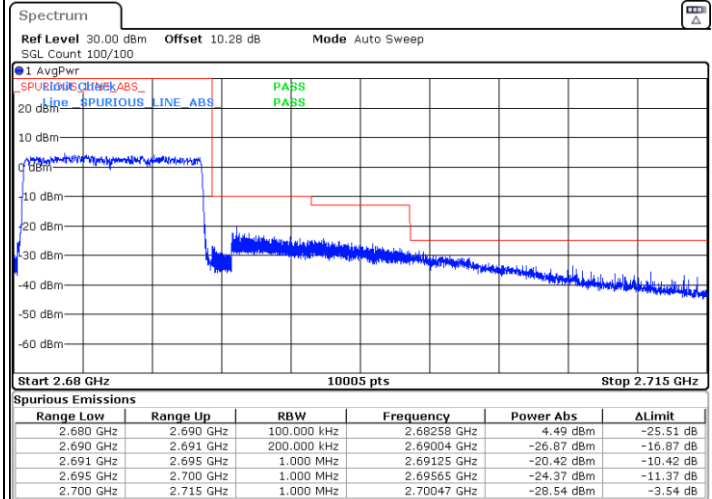
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



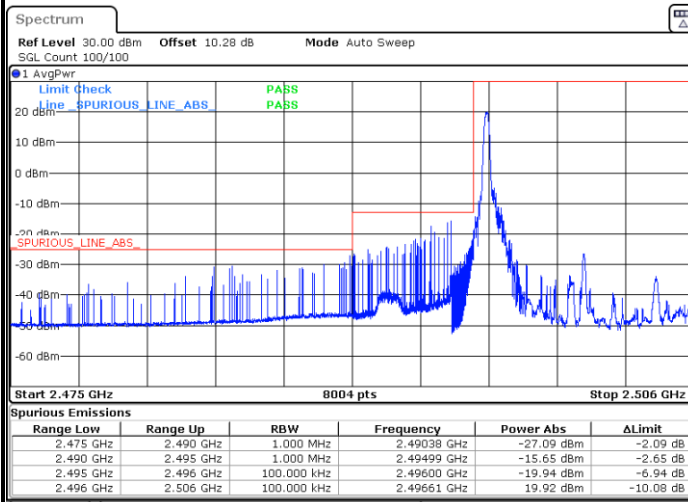
Highest Band Edge / Full RB





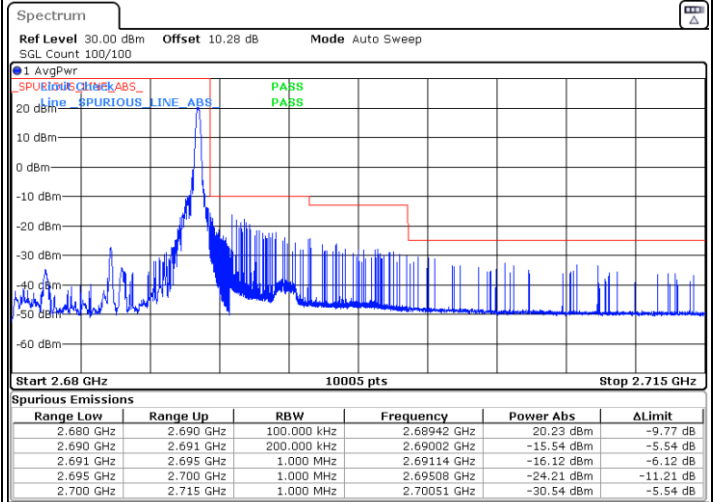
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



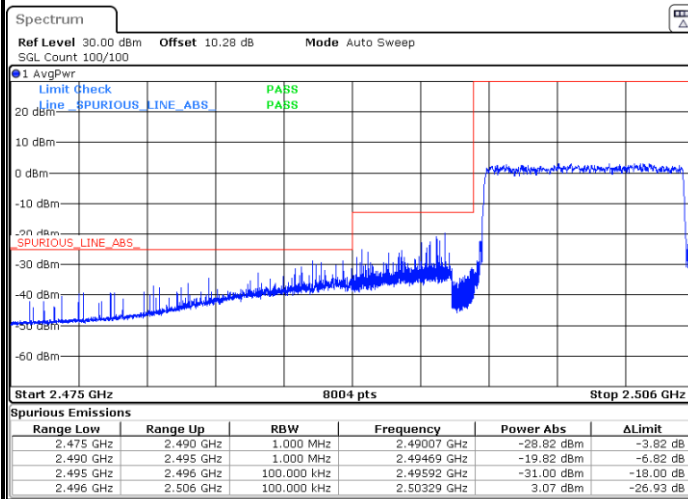
Date: 27.JUN.2023 09:35:36

Highest Band Edge / 1 RB



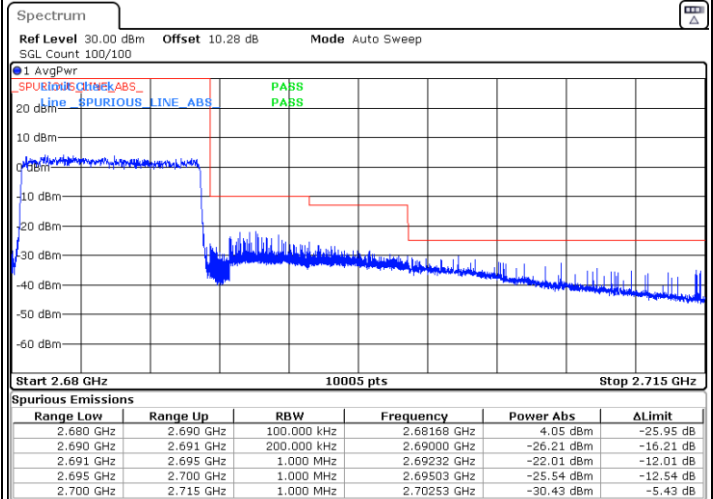
Date: 27.JUN.2023 09:45:42

Lowest Band Edge / Full RB



Date: 27.JUN.2023 10:37:36

Highest Band Edge / Full RB

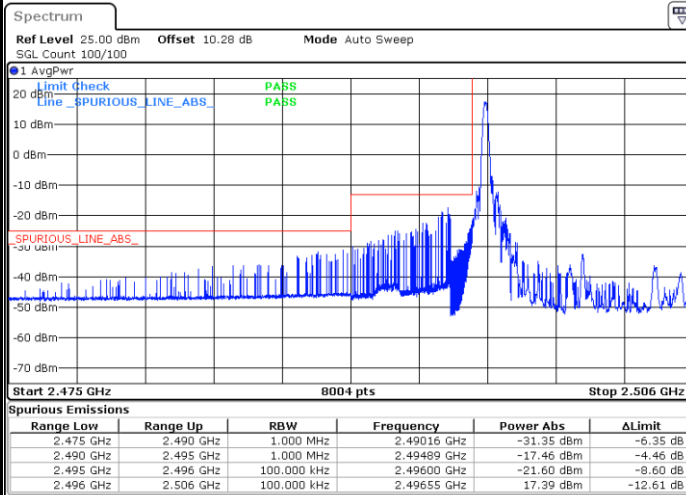


Date: 27.JUN.2023 09:47:03

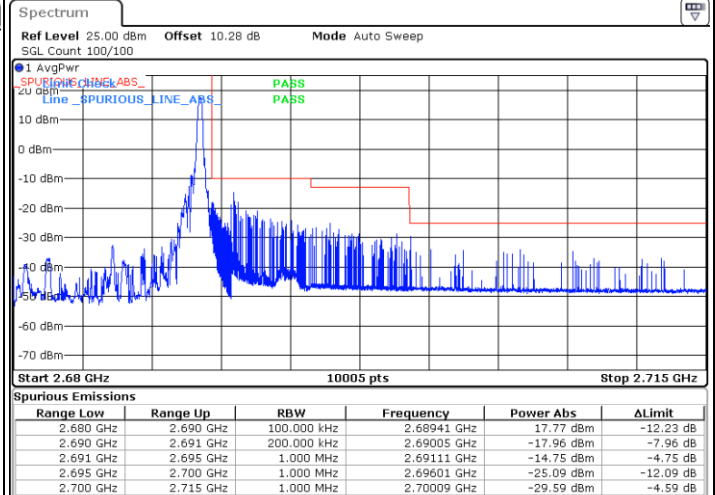


LTE Band 41 / 10MHz / 256QAM

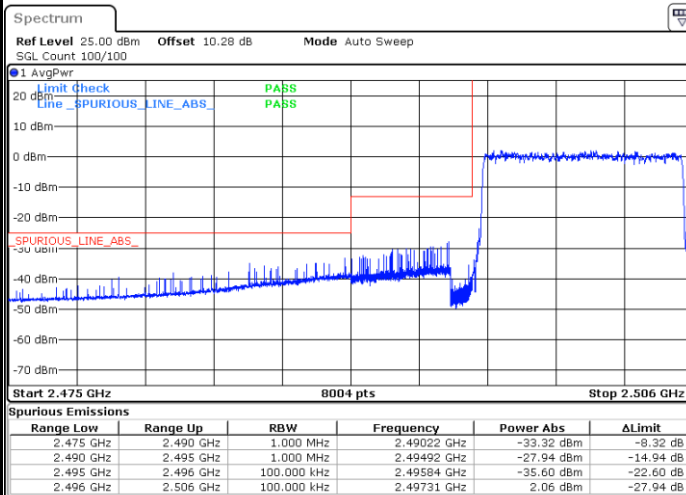
Lowest Band Edge / 1 RB



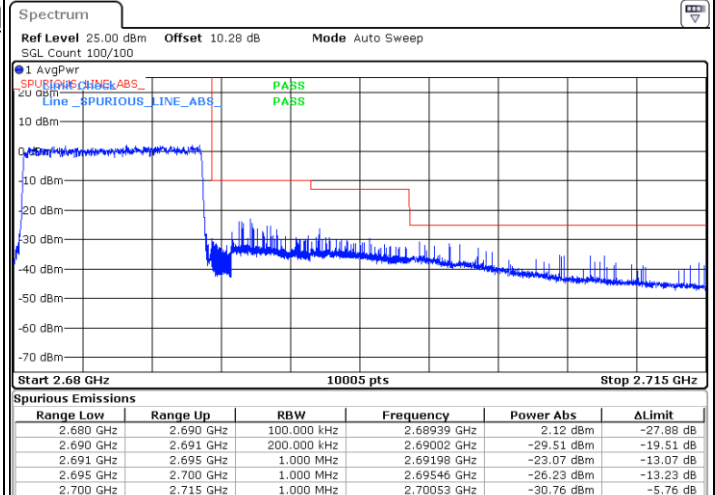
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



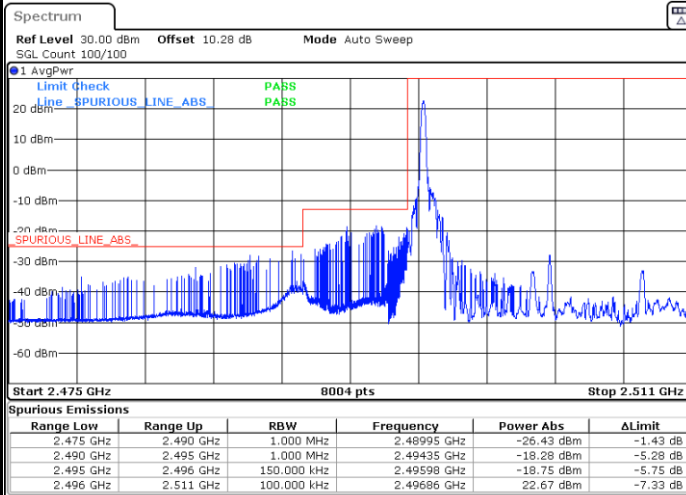
Highest Band Edge / Full RB



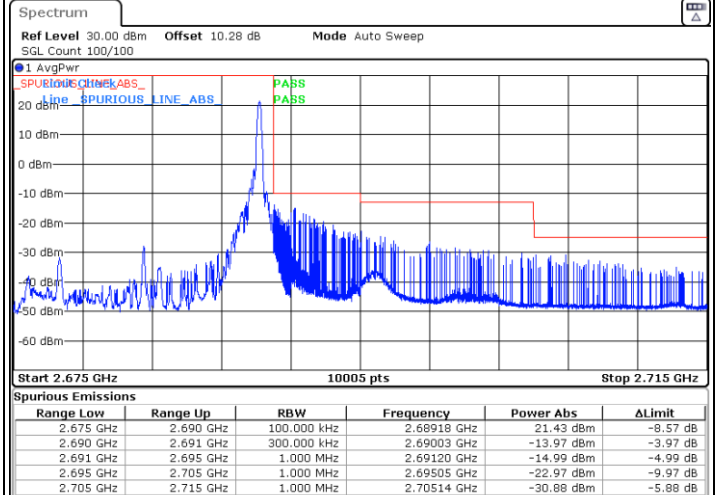


LTE Band 41 / 15MHz / QPSK

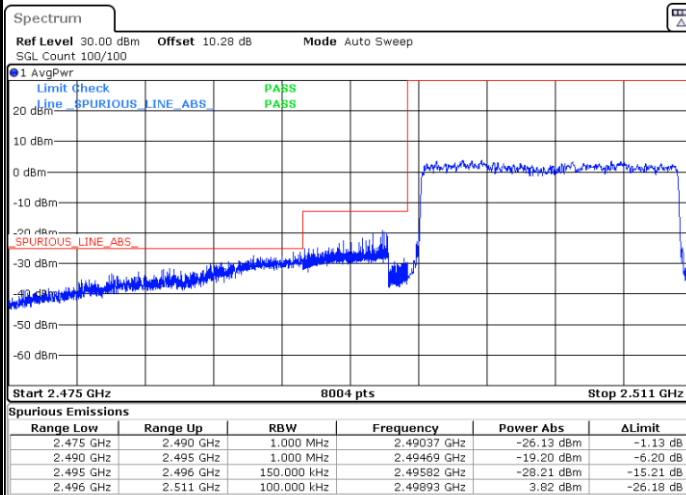
Lowest Band Edge / 1 RB



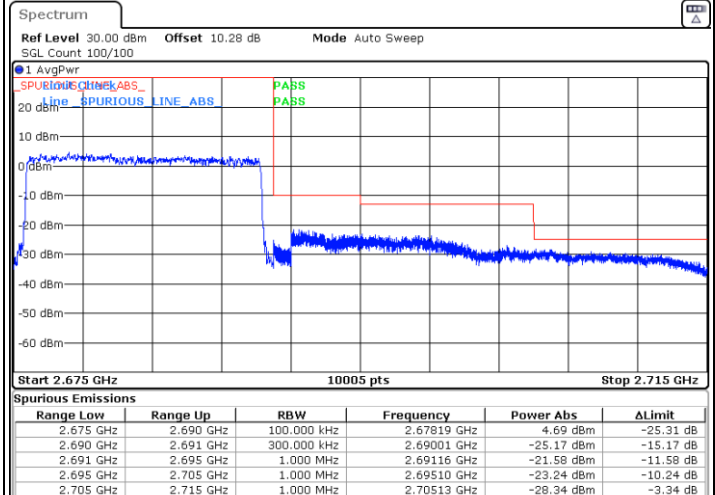
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



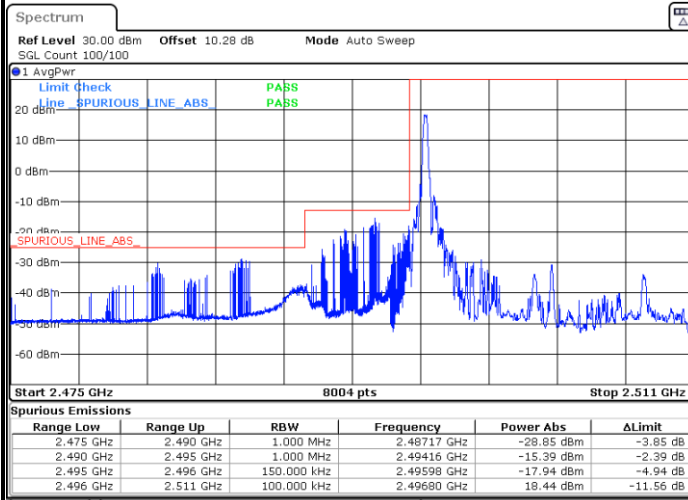
Highest Band Edge / Full RB



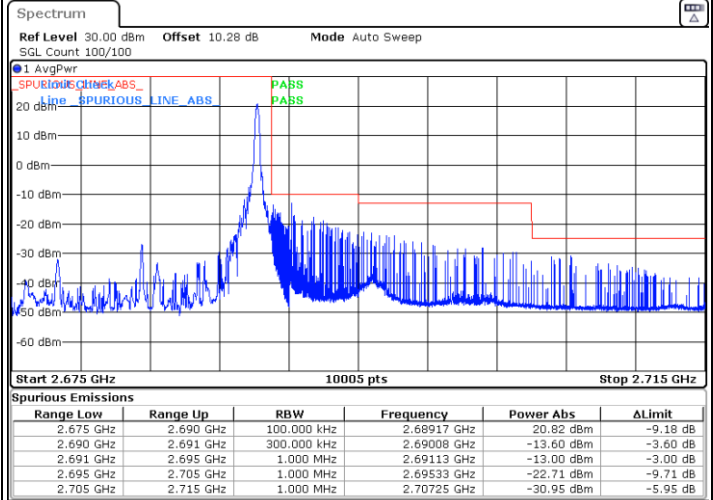


LTE Band 41 / 15MHz / 16QAM

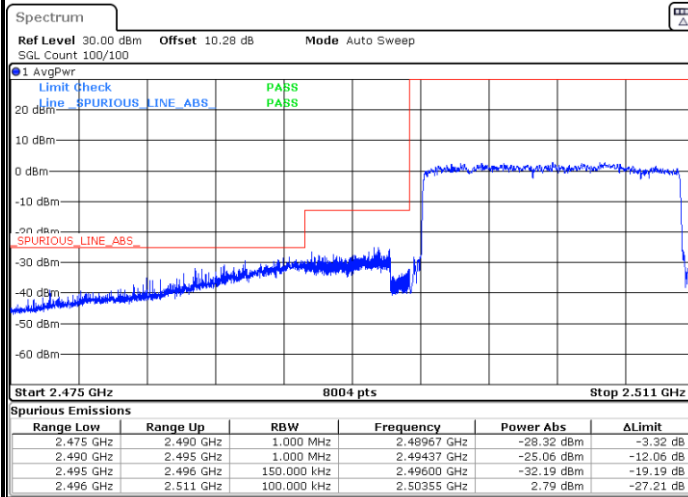
Lowest Band Edge / 1 RB



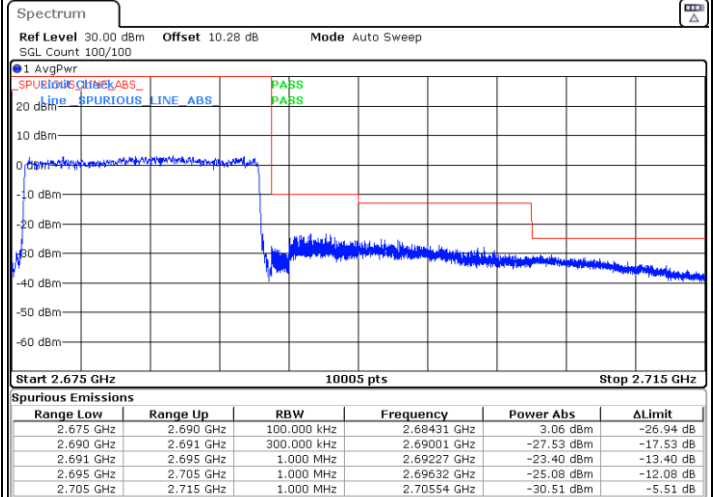
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



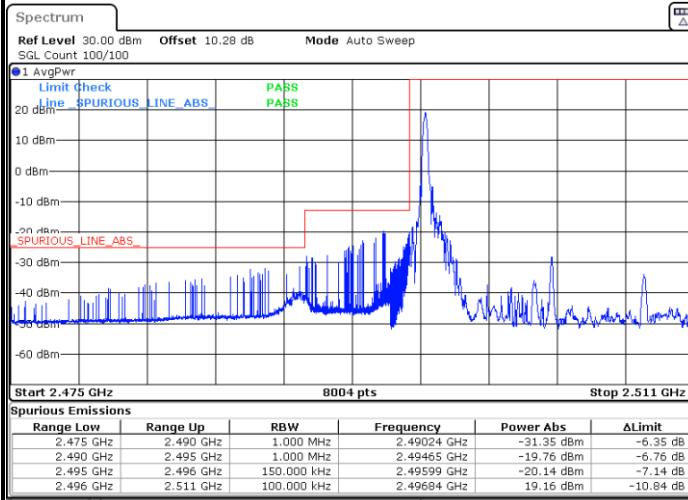
Highest Band Edge / Full RB





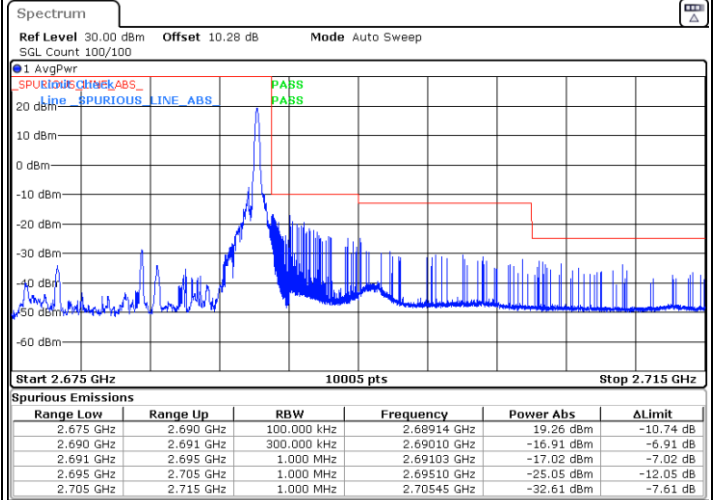
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



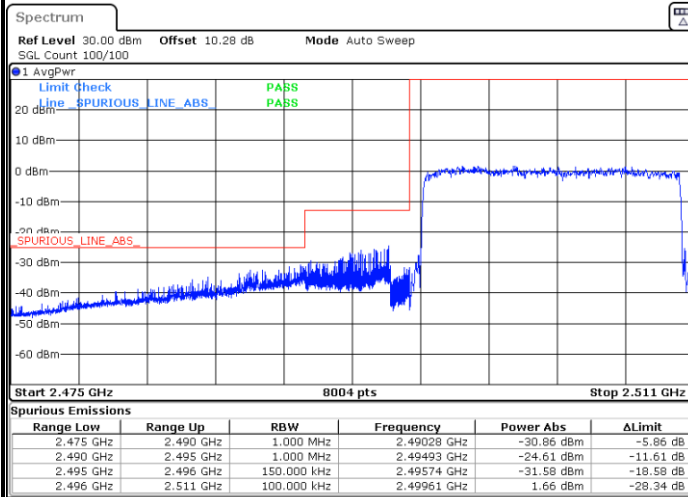
Date: 27.JUN.2023 09:54:50

Highest Band Edge / 1 RB



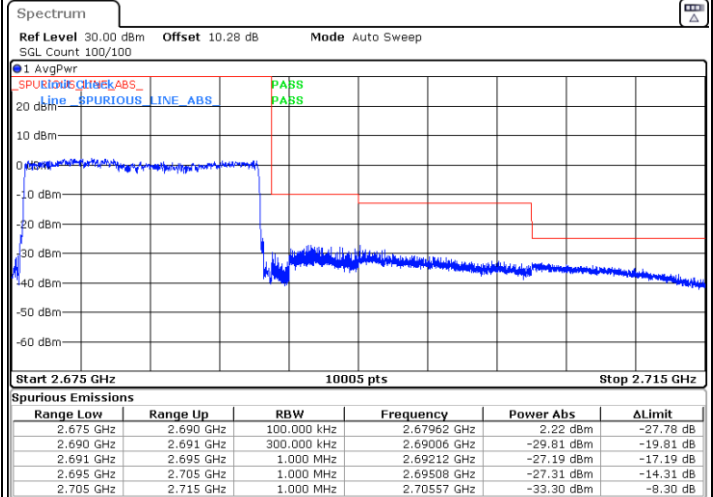
Date: 27.JUN.2023 10:04:56

Lowest Band Edge / Full RB



Date: 27.JUN.2023 09:56:13

Highest Band Edge / Full RB

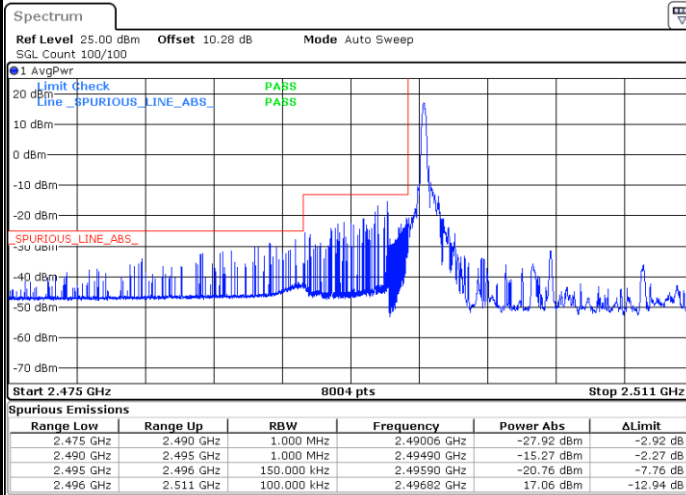


Date: 27.JUN.2023 10:06:16

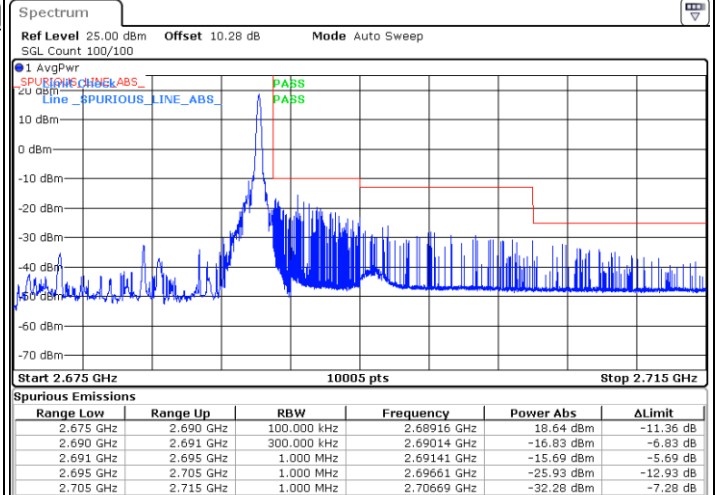


LTE Band 41 / 15MHz / 256QAM

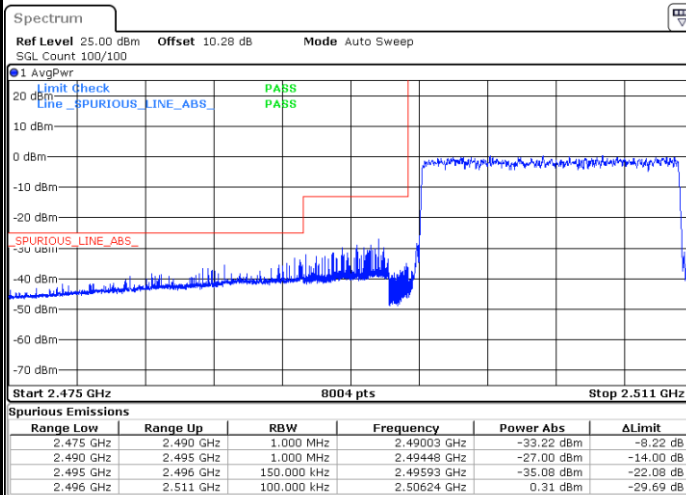
Lowest Band Edge / 1 RB



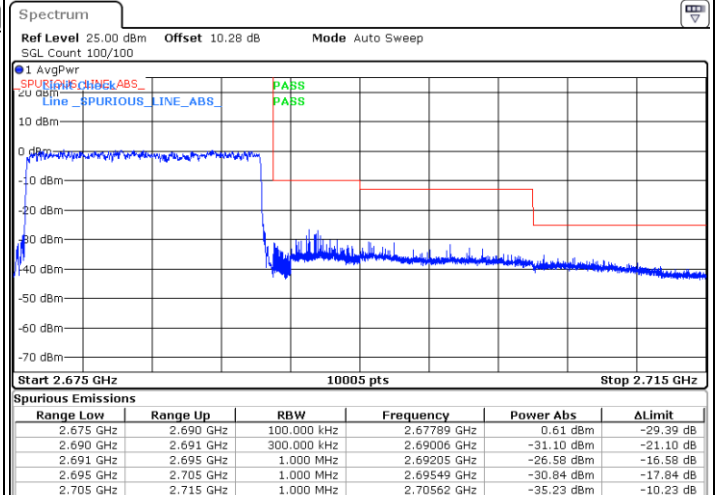
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



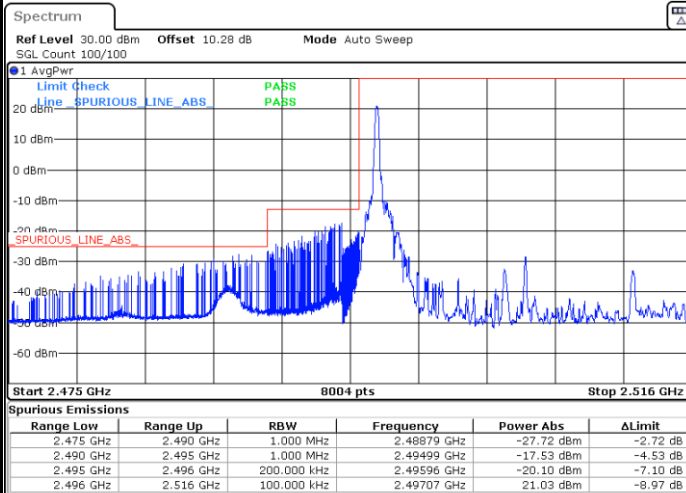
Highest Band Edge / Full RB



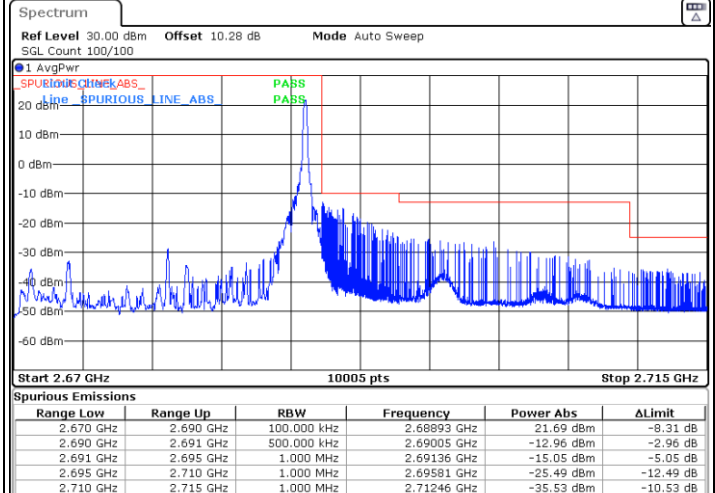


LTE Band 41 / 20MHz / QPSK

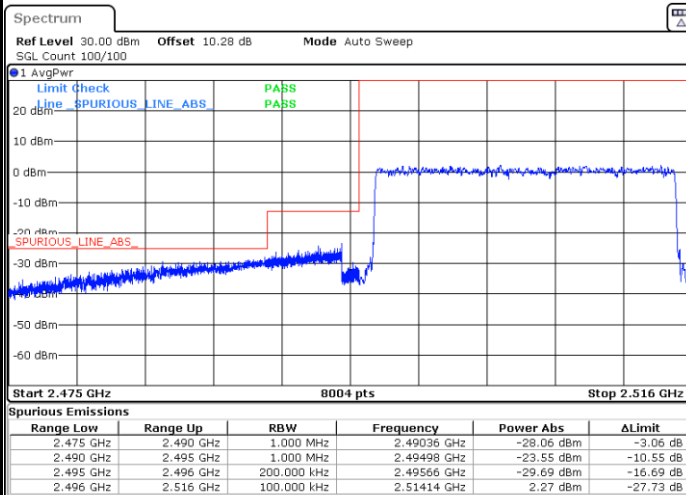
Lowest Band Edge / 1 RB



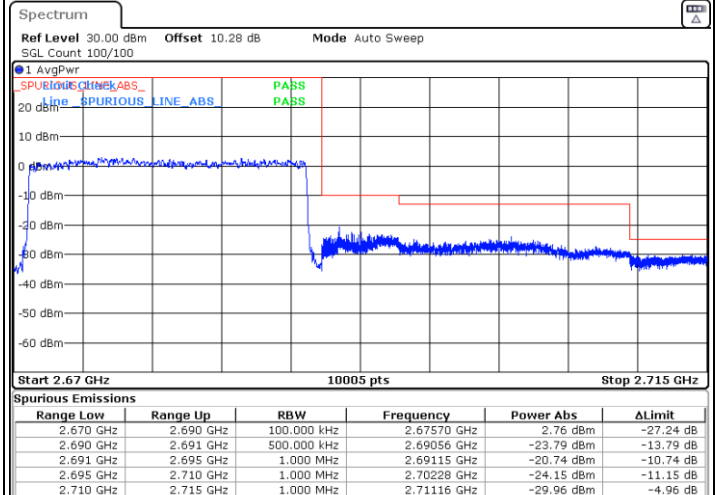
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



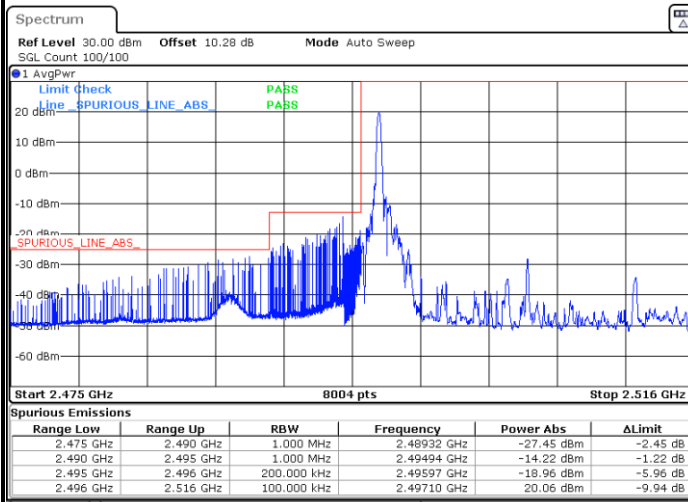
Highest Band Edge / Full RB



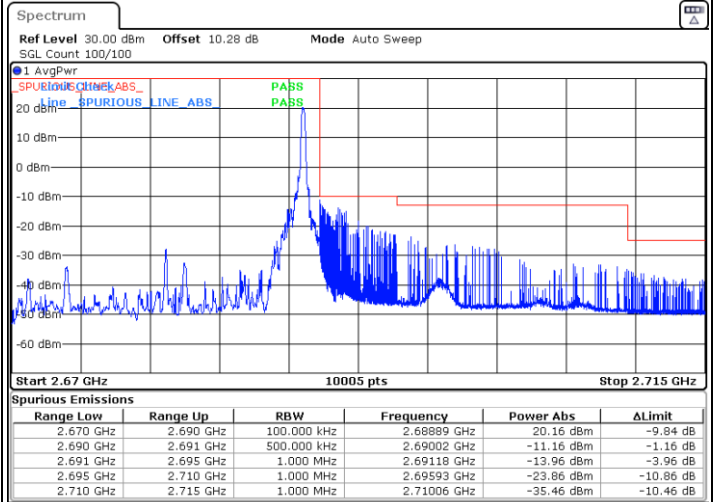


LTE Band 41 / 20MHz / 16QAM

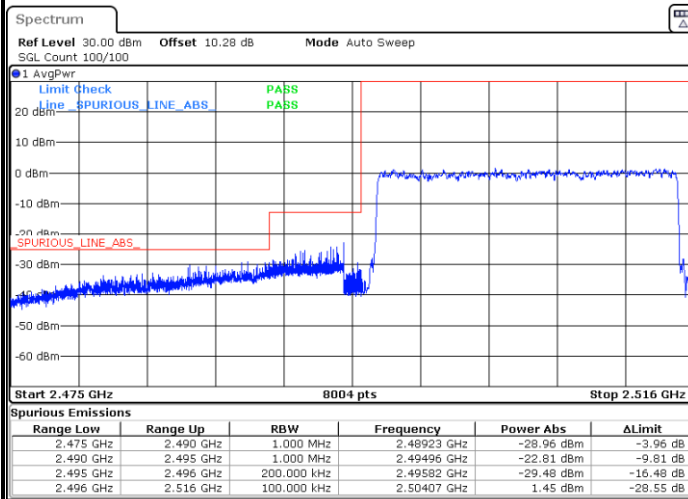
Lowest Band Edge / 1 RB



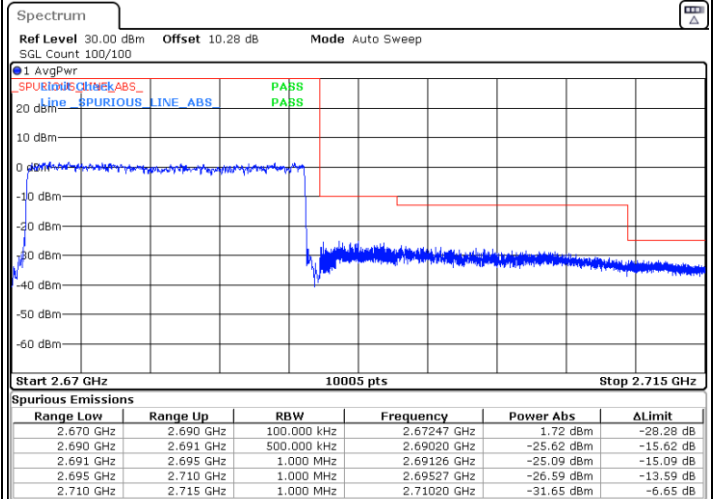
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



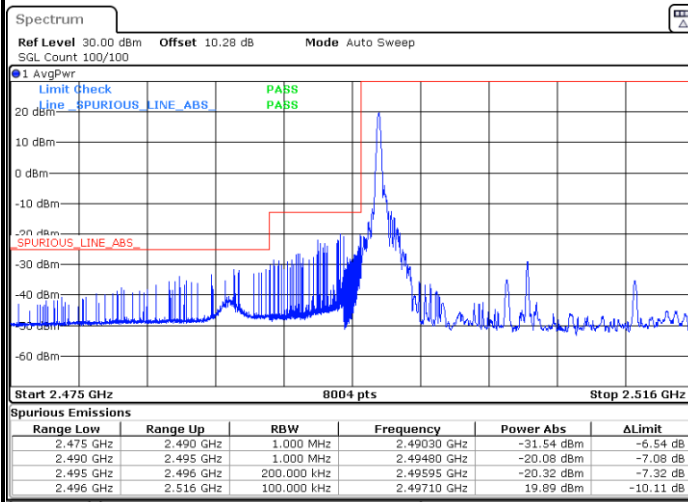
Highest Band Edge / Full RB



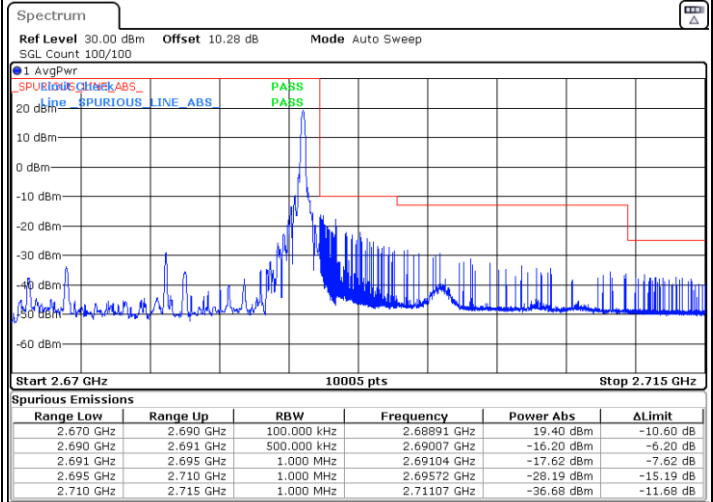


LTE Band 41 / 20MHz / 64QAM

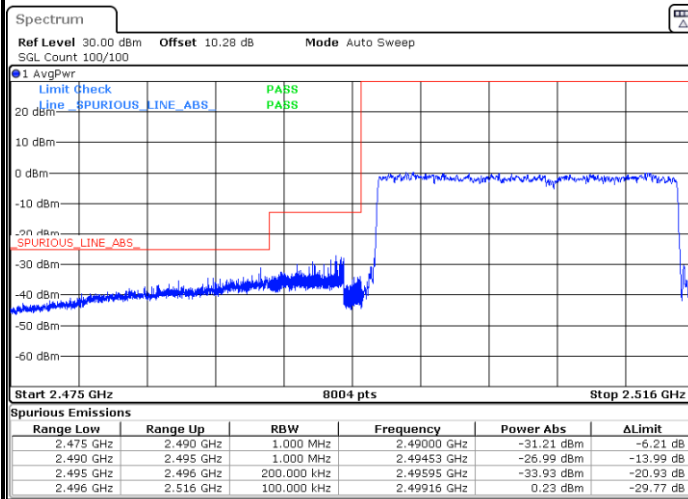
Lowest Band Edge / 1 RB



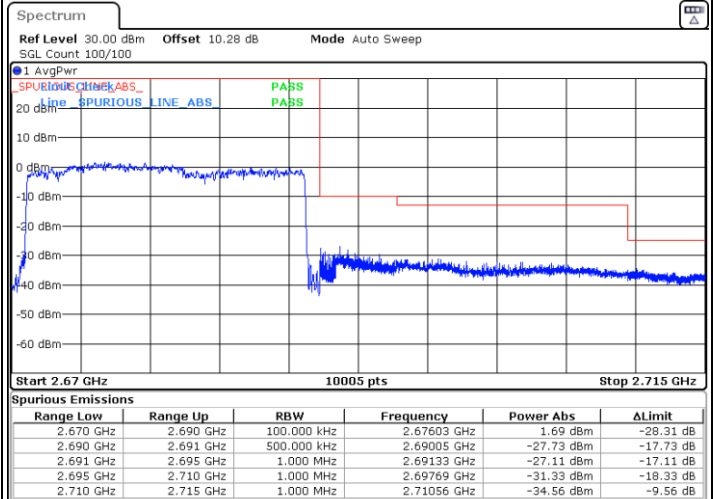
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



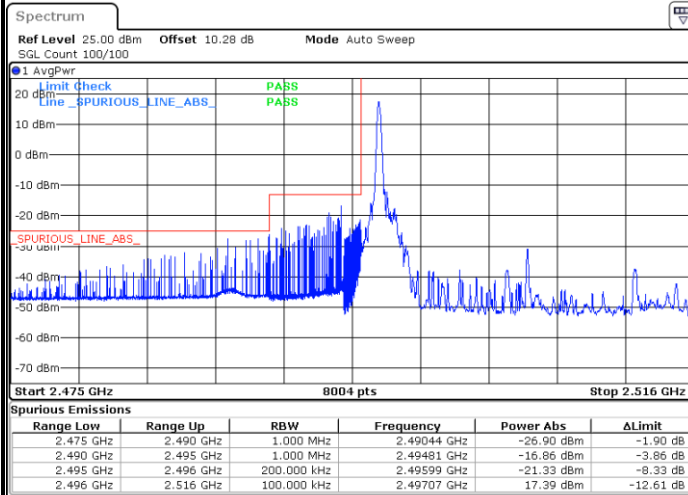
Highest Band Edge / Full RB



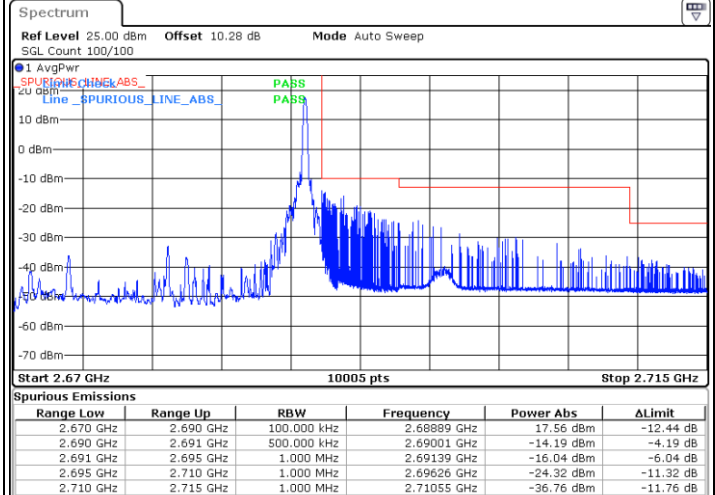


LTE Band 41 / 20MHz / 256QAM

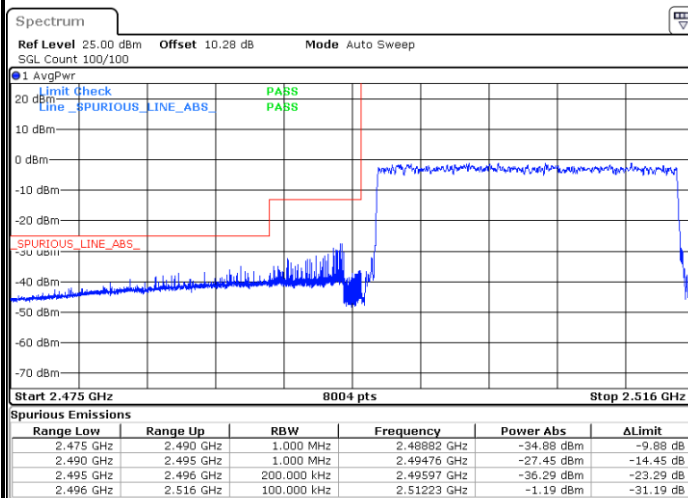
Lowest Band Edge / 1 RB



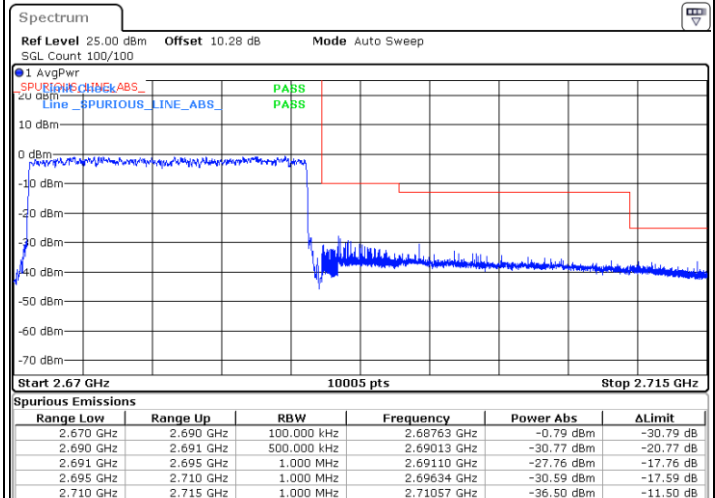
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

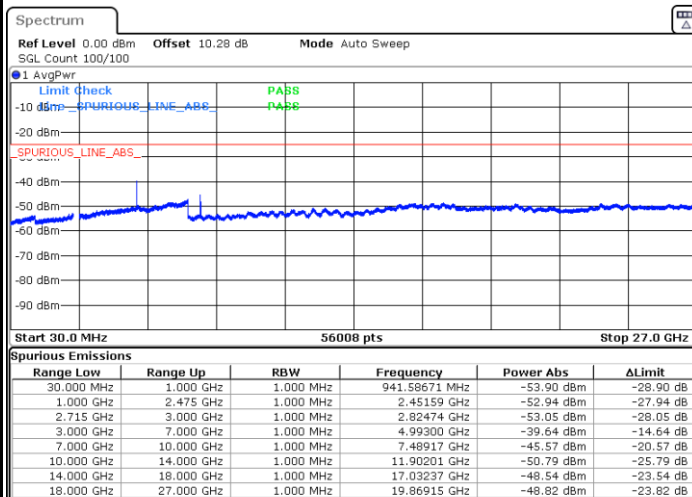




Conducted Spurious Emission

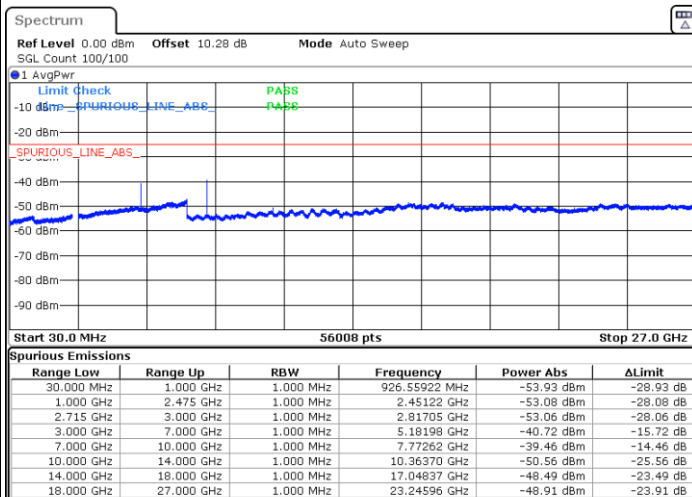
LTE Band 41 / 5MHz

Lowest Channel / QPSK



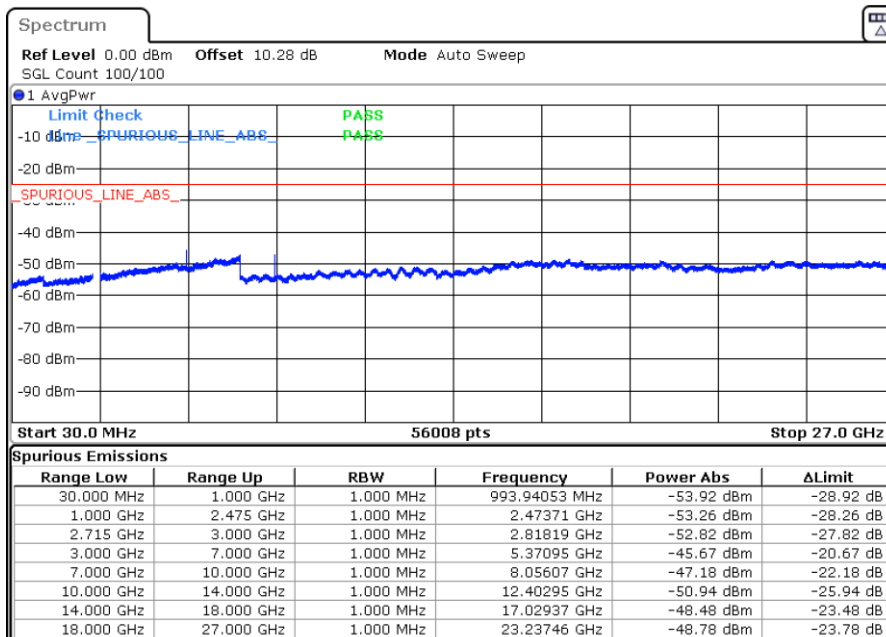
Date: 27 JUN 2023 09:12:13

Middle Channel / QPSK



Date: 27 JUN 2023 09:21:28

Highest Channel / QPSK

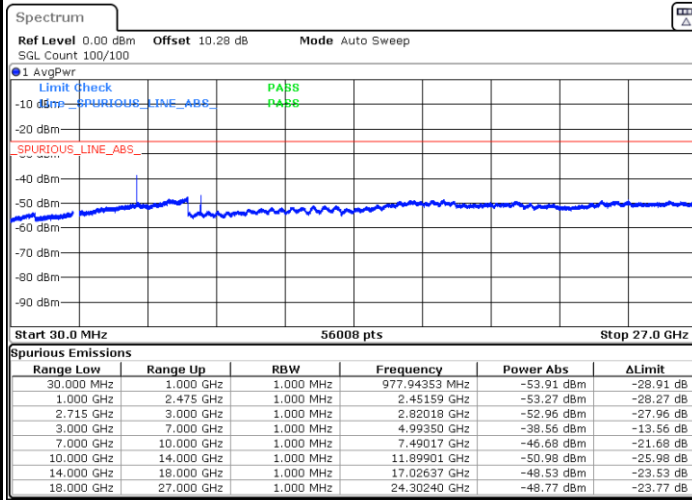


Date: 27 JUN 2023 09:22:27



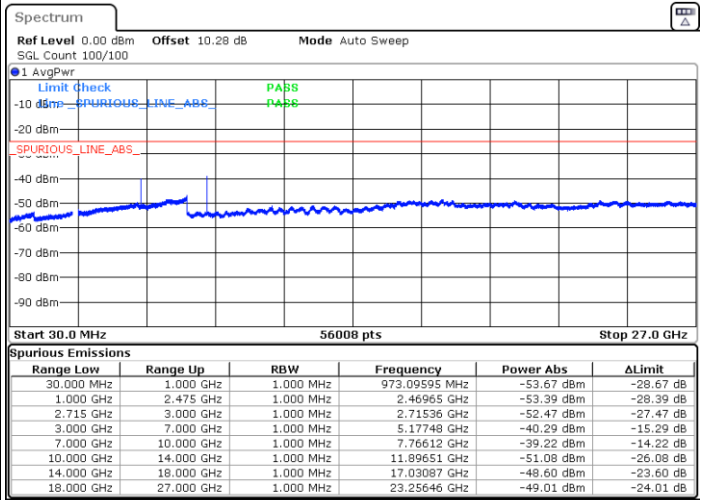
LTE Band 41 / 10MHz

Lowest Channel / QPSK



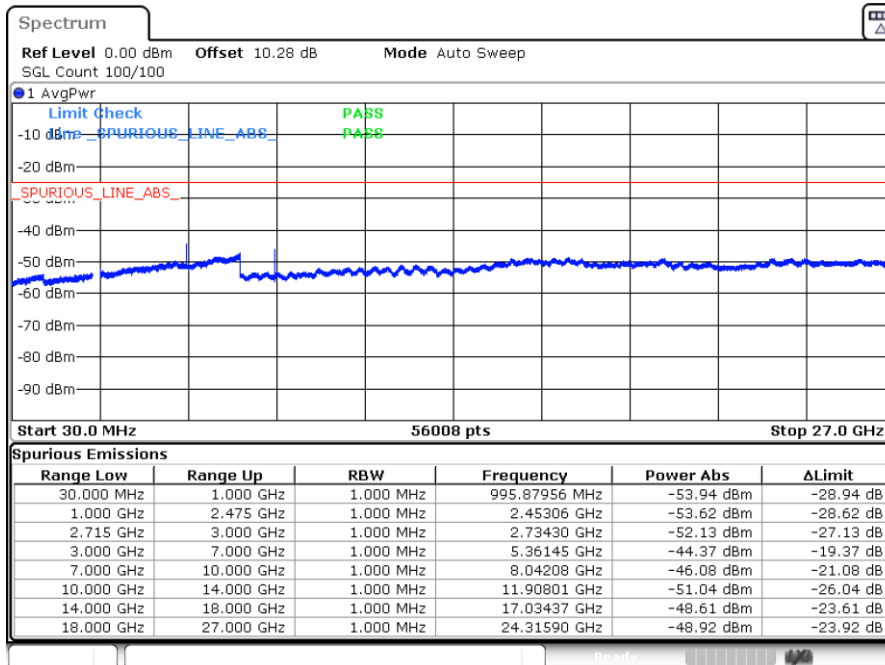
Date: 27.JUN.2023 09:31:29

Middle Channel / QPSK



Date: 27.JUN.2023 09:40:43

Highest Channel / QPSK



Date: 27.JUN.2023 09:41:42