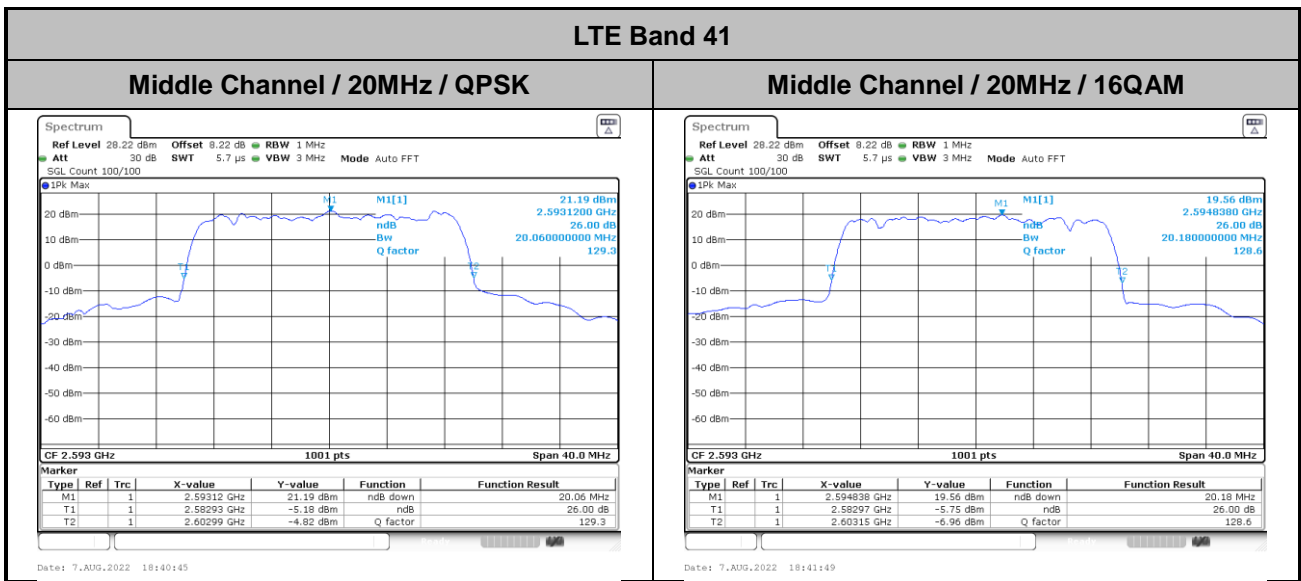




26dB Bandwidth

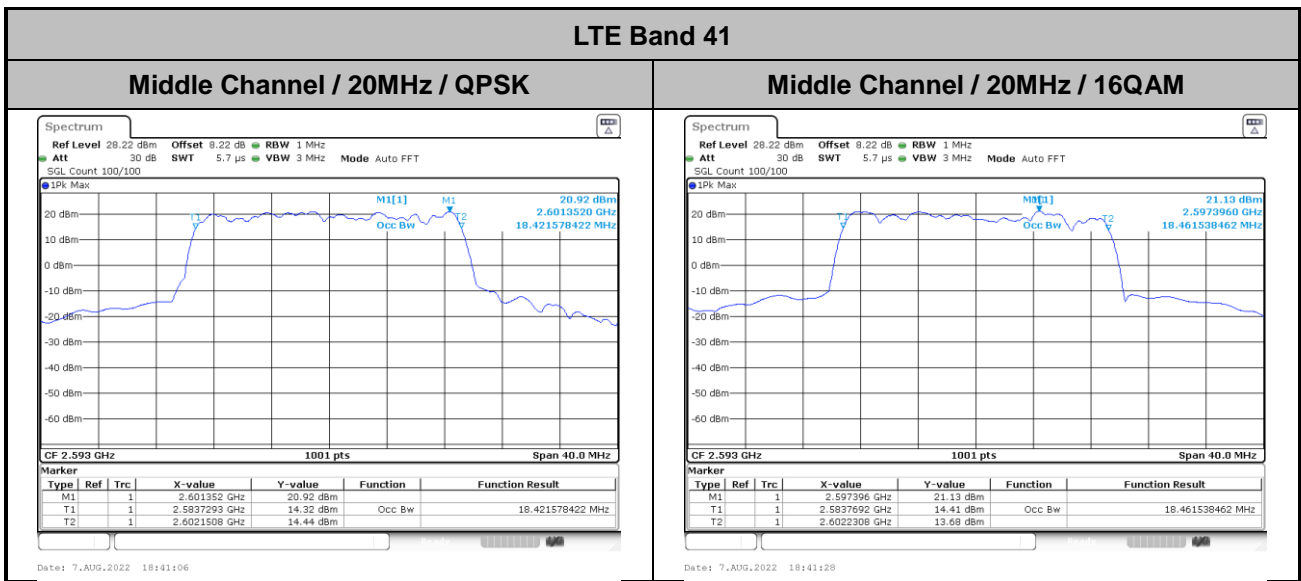
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.06	20.18





Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.42	18.46

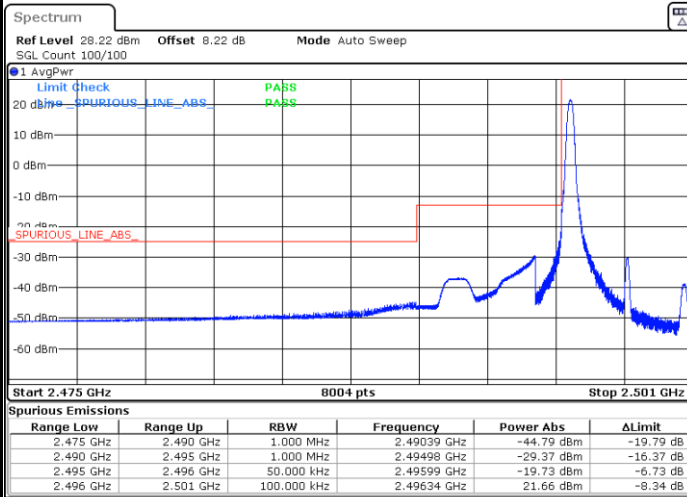




Conducted Band Edge

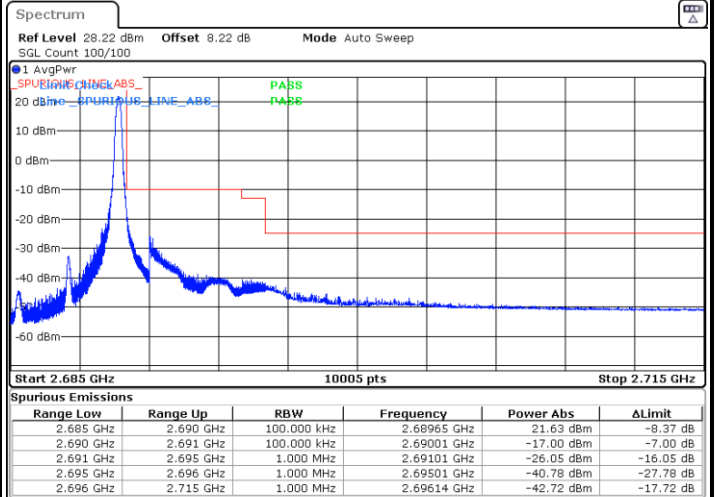
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



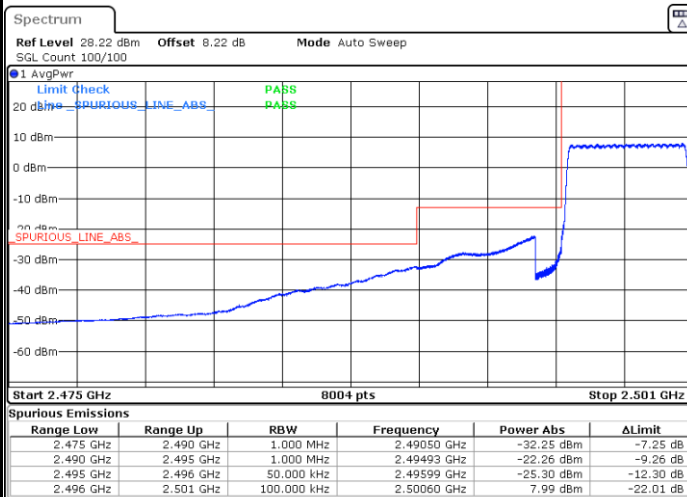
Date: 8.AUG.2022 13:21:38

Highest Band Edge / 1 RB



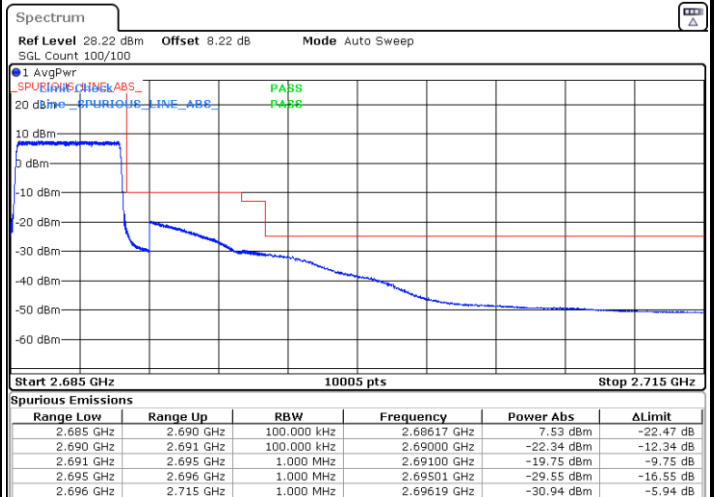
Date: 8.AUG.2022 13:53:19

Lowest Band Edge / Full RB



Date: 8.AUG.2022 13:36:40

Highest Band Edge / Full RB

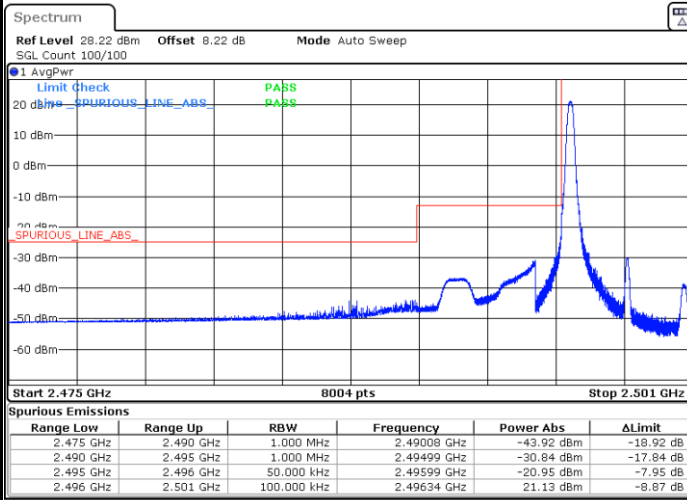


Date: 8.AUG.2022 13:38:31



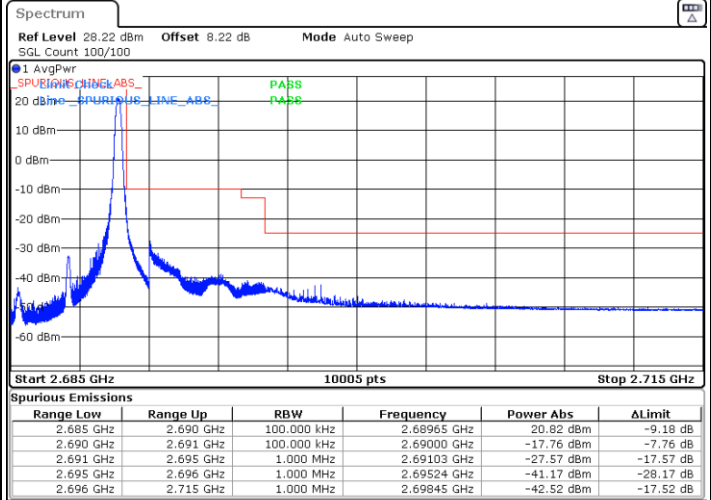
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



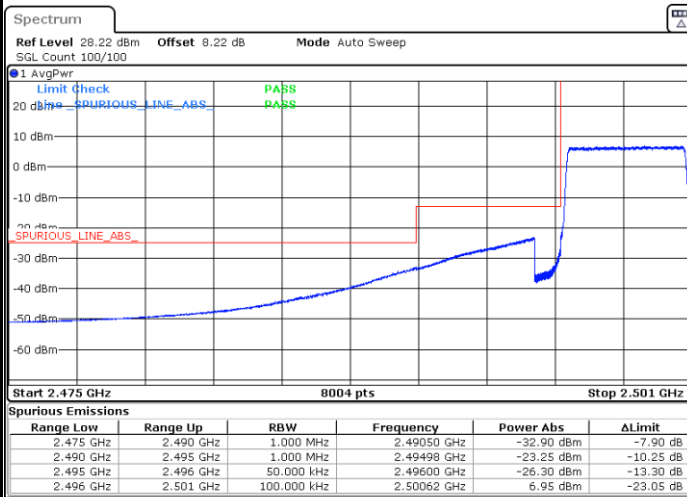
Date: 8.AUG.2022 13:25:06

Highest Band Edge / 1 RB



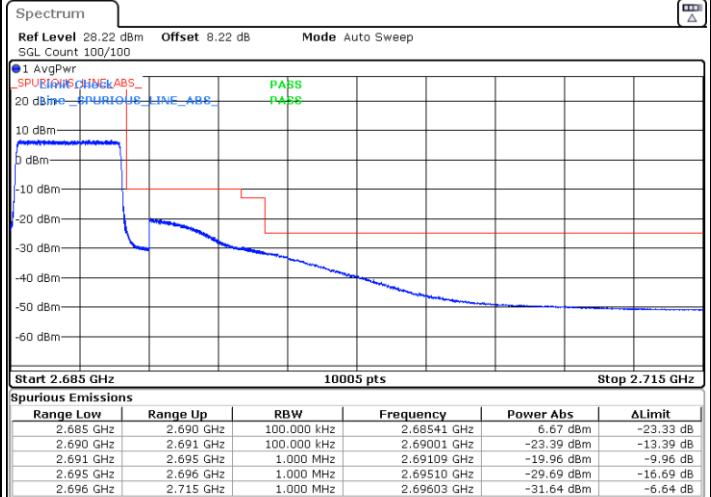
Date: 8.AUG.2022 13:51:34

Lowest Band Edge / Full RB



Date: 8.AUG.2022 13:34:47

Highest Band Edge / Full RB

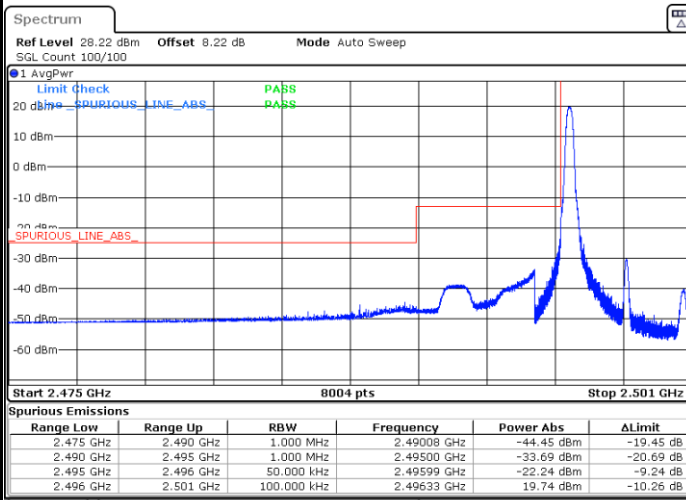


Date: 8.AUG.2022 13:40:26



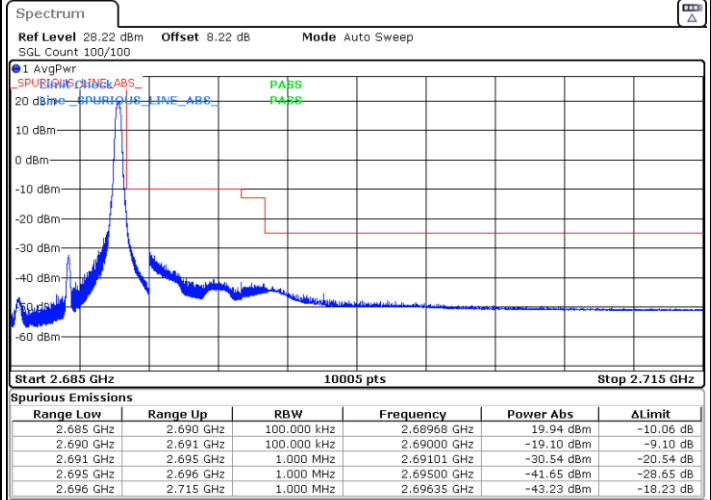
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



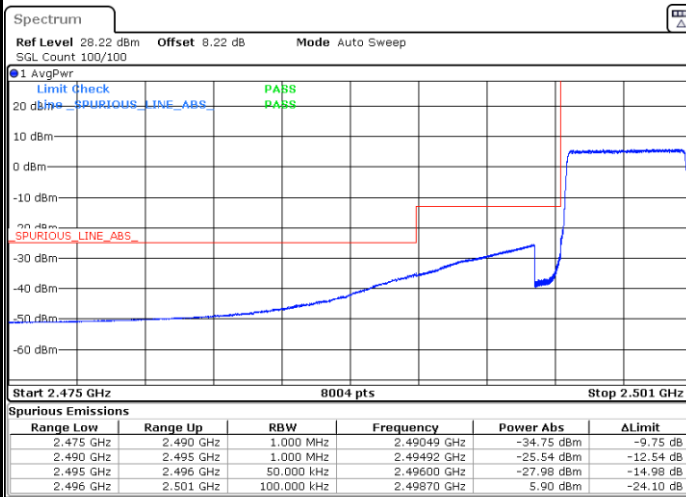
Date: 8.AUG.2022 13:27:04

Highest Band Edge / 1 RB



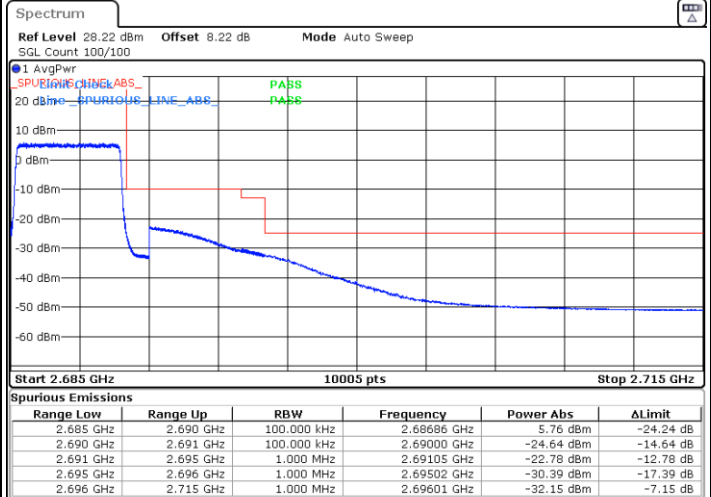
Date: 8.AUG.2022 13:49:50

Lowest Band Edge / Full RB



Date: 8.AUG.2022 13:32:58

Highest Band Edge / Full RB

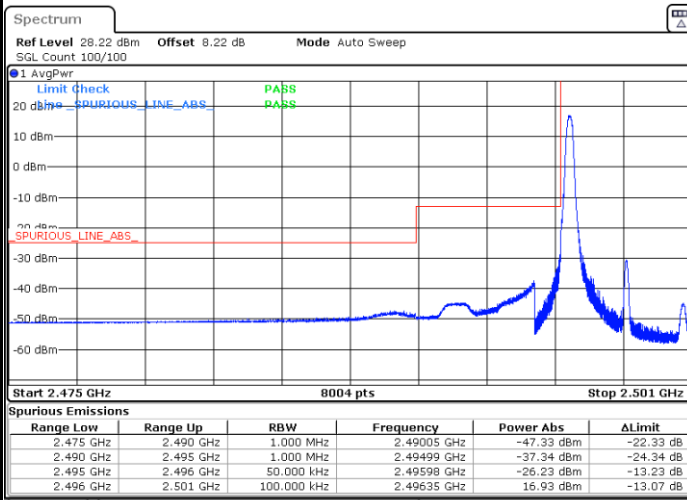


Date: 8.AUG.2022 13:42:11



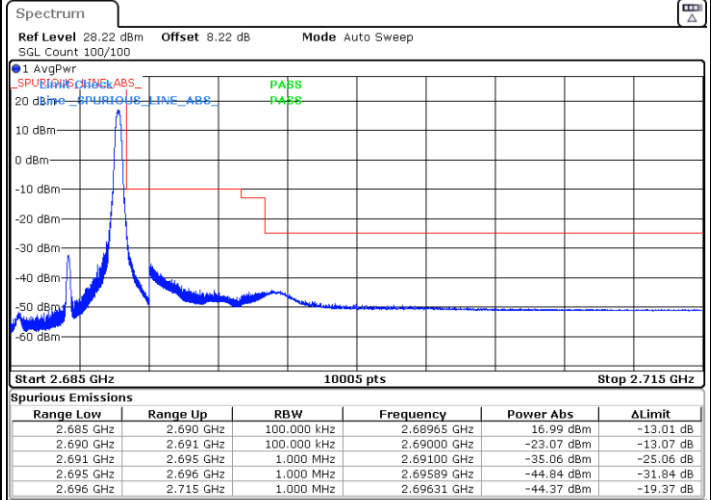
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



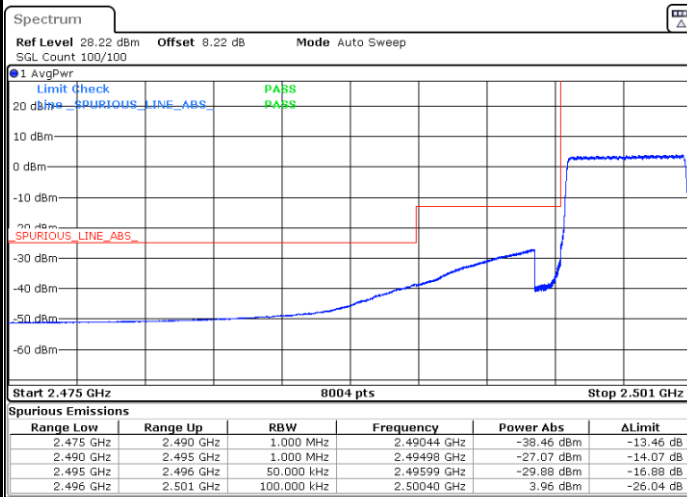
Date: 8.AUG.2022 13:29:06

Highest Band Edge / 1 RB



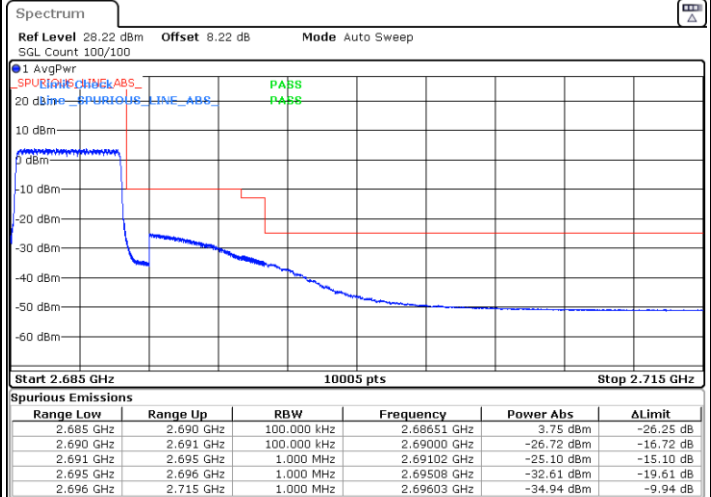
Date: 8.AUG.2022 13:48:01

Lowest Band Edge / Full RB



Date: 8.AUG.2022 13:31:03

Highest Band Edge / Full RB

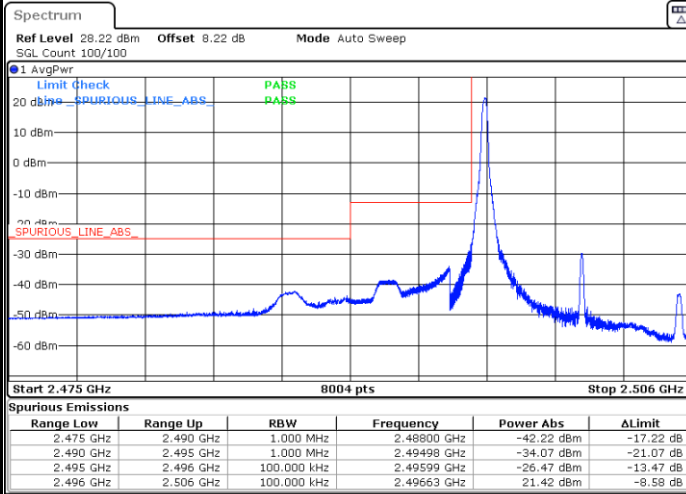


Date: 8.AUG.2022 13:44:17



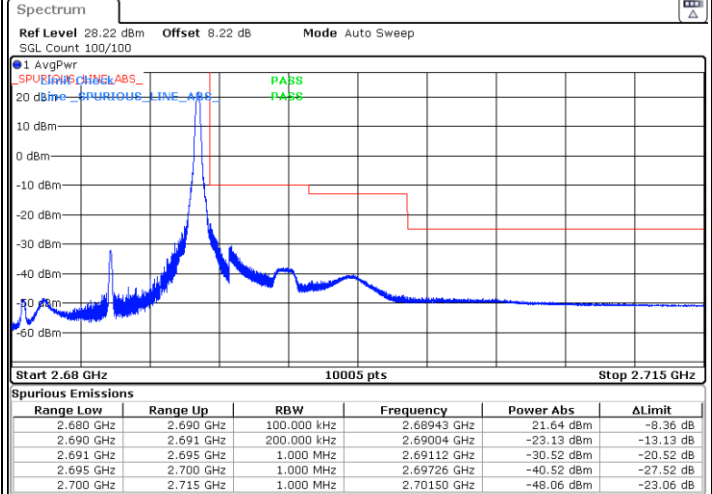
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



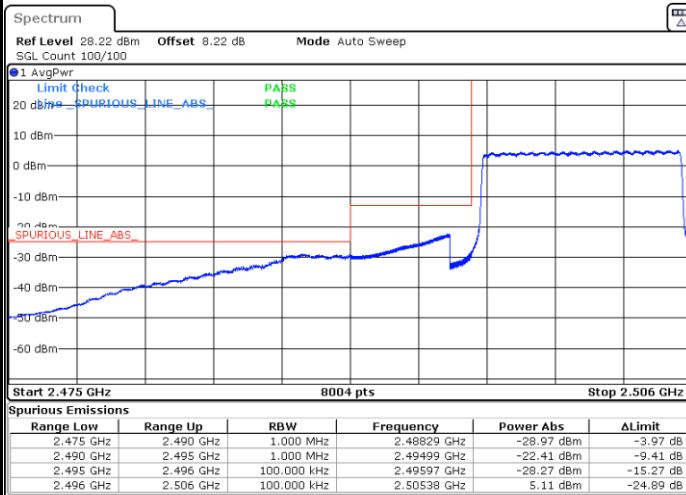
Date: 8.AUG.2022 15:03:27

Highest Band Edge / 1 RB



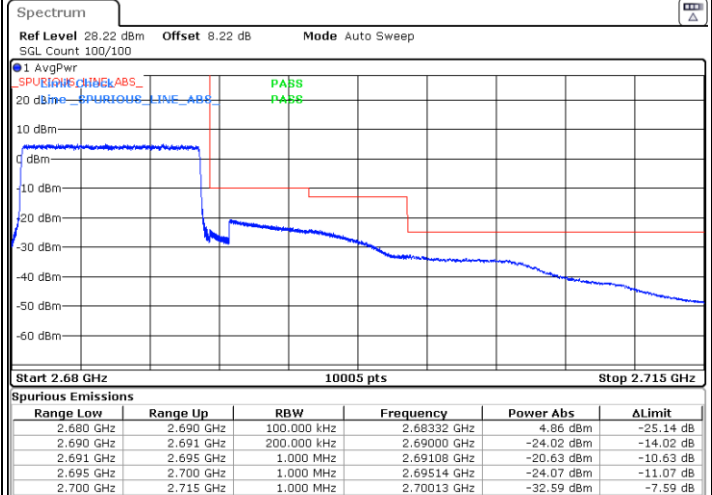
Date: 7.AUG.2022 17:50:32

Lowest Band Edge / Full RB



Date: 8.AUG.2022 15:23:41

Highest Band Edge / Full RB

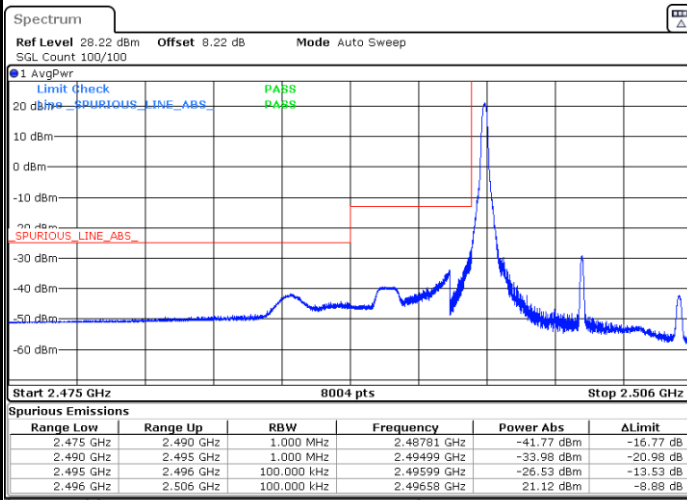


Date: 7.AUG.2022 17:57:17



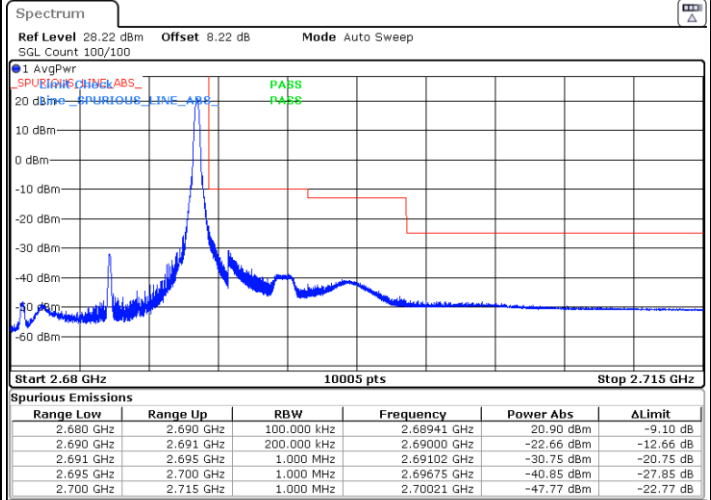
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



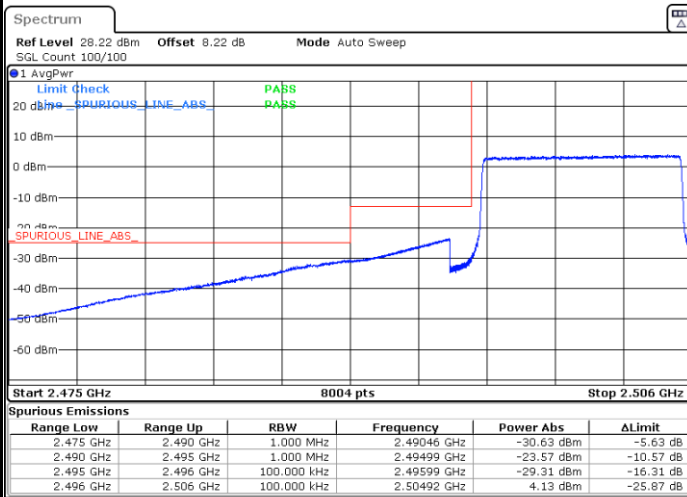
Date: 8.AUG.2022 15:05:33

Highest Band Edge / 1 RB



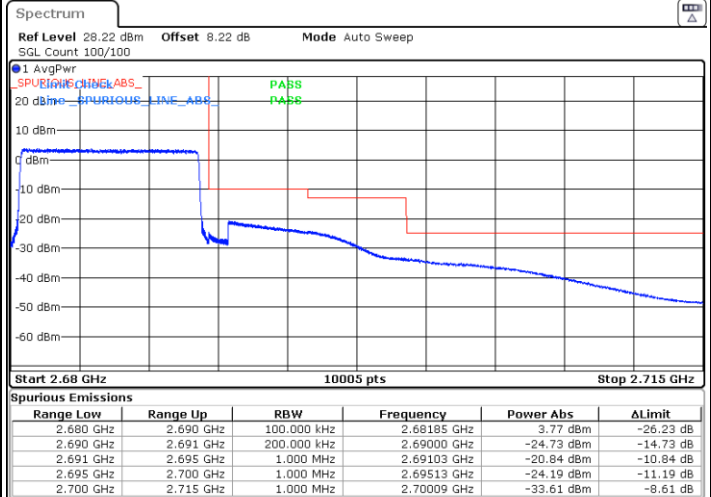
Date: 7.AUG.2022 17:51:53

Lowest Band Edge / Full RB



Date: 8.AUG.2022 15:17:59

Highest Band Edge / Full RB

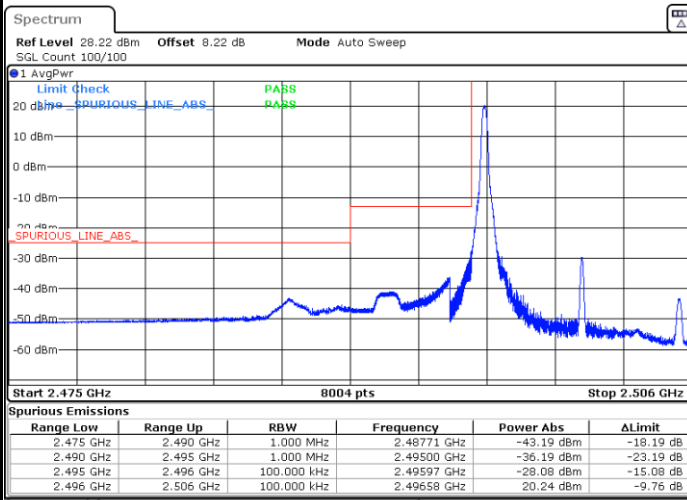


Date: 7.AUG.2022 17:55:56

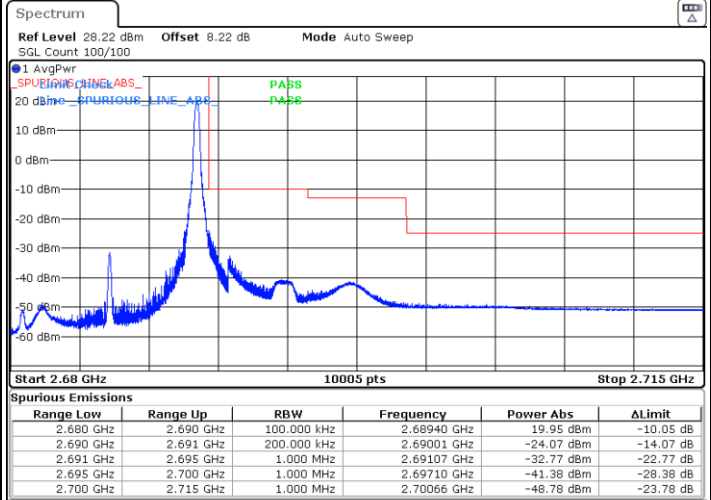


LTE Band 41 / 10MHz / 64QAM

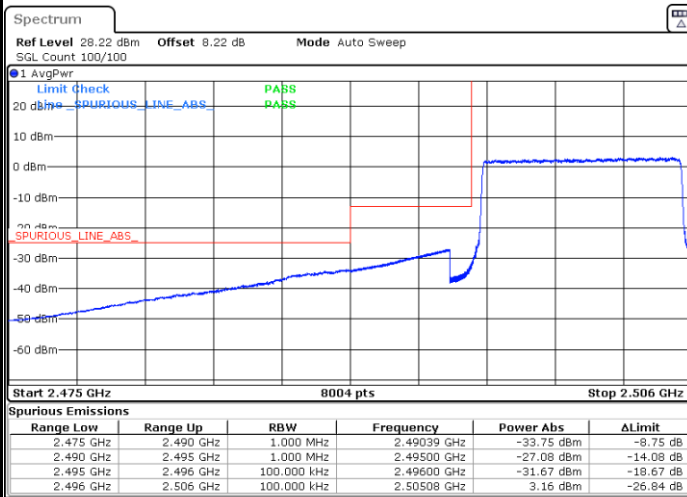
Lowest Band Edge / 1 RB



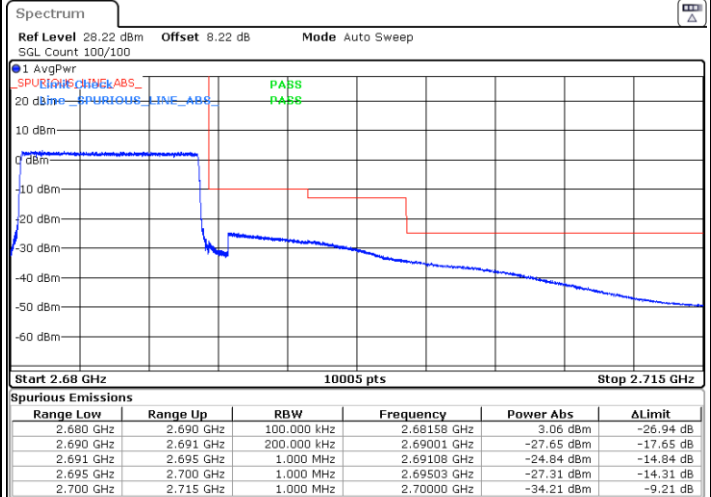
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



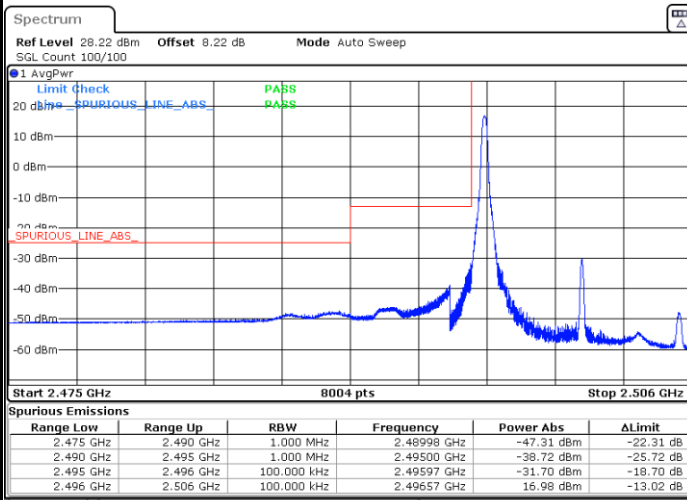
Highest Band Edge / Full RB





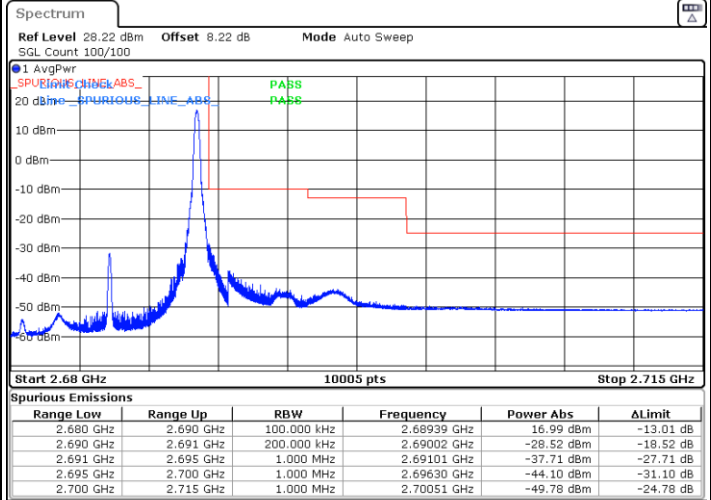
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



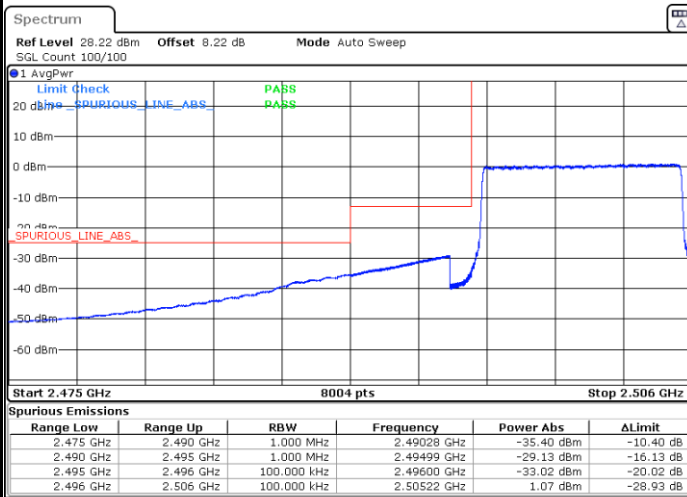
Date: 8.AUG.2022 12:10:10

Highest Band Edge / 1 RB



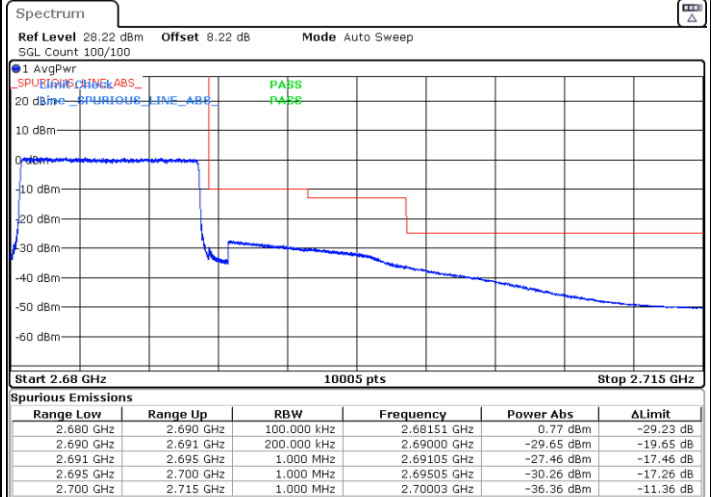
Date: 8.AUG.2022 12:14:59

Lowest Band Edge / Full RB



Date: 8.AUG.2022 15:12:36

Highest Band Edge / Full RB

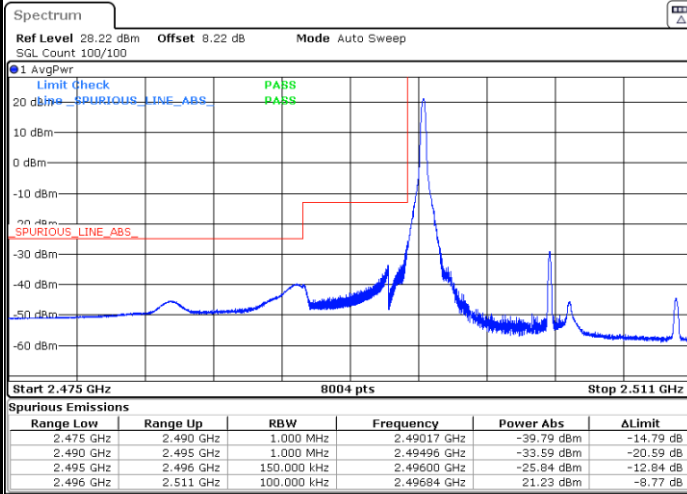


Date: 8.AUG.2022 12:13:53



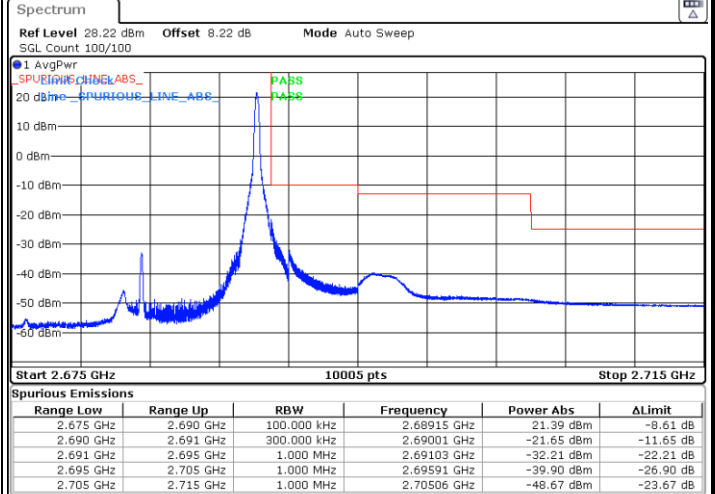
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



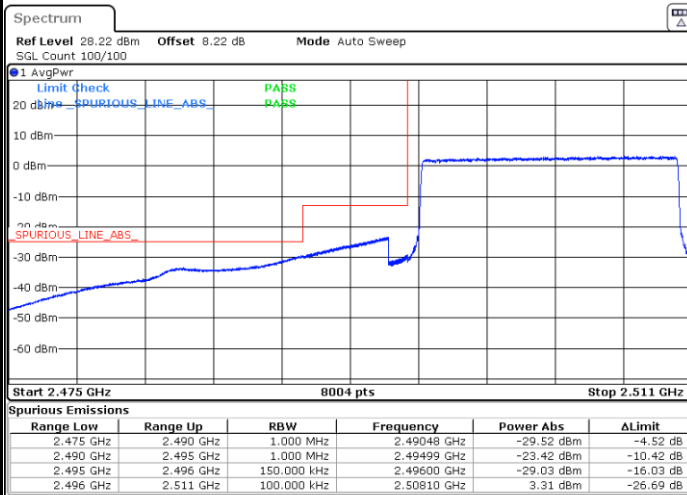
Date: 7.AUG.2022 18:00:24

Highest Band Edge / 1 RB



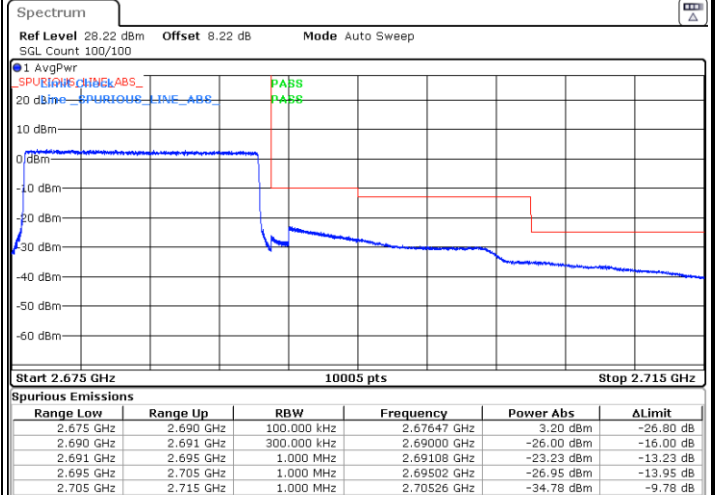
Date: 7.AUG.2022 18:12:05

Lowest Band Edge / Full RB



Date: 7.AUG.2022 18:07:19

Highest Band Edge / Full RB

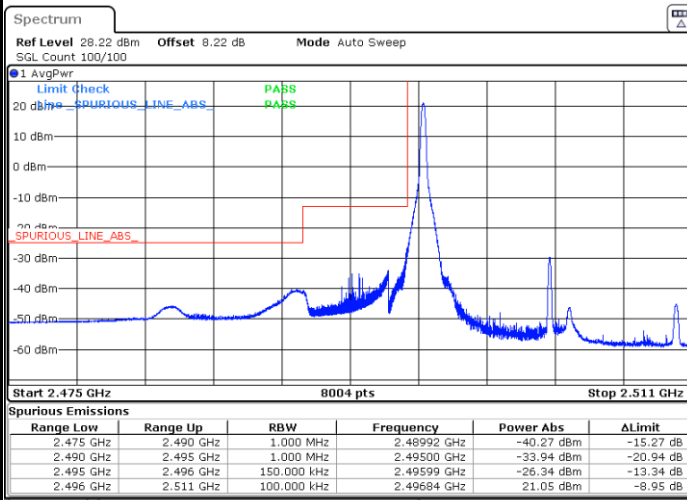


Date: 7.AUG.2022 18:18:49



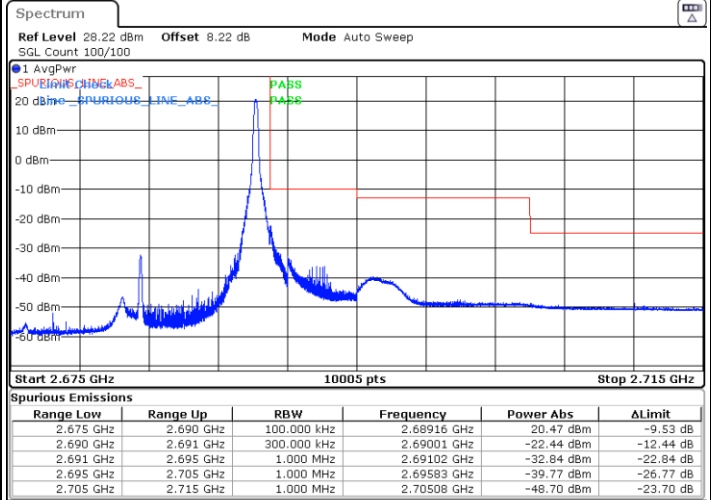
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



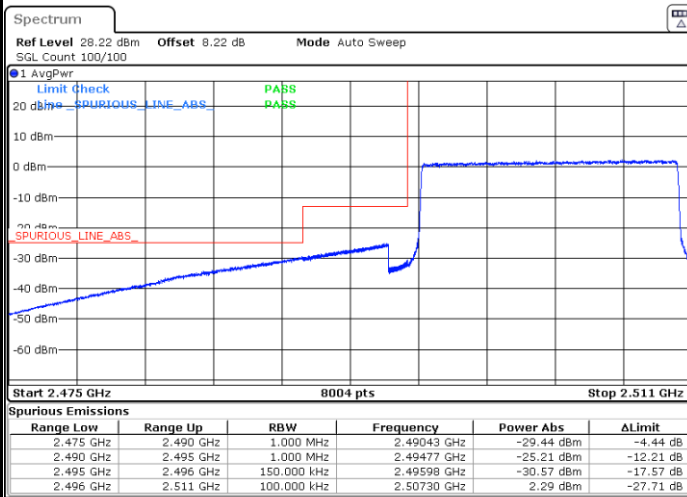
Date: 7.AUG.2022 18:01:47

Highest Band Edge / 1 RB



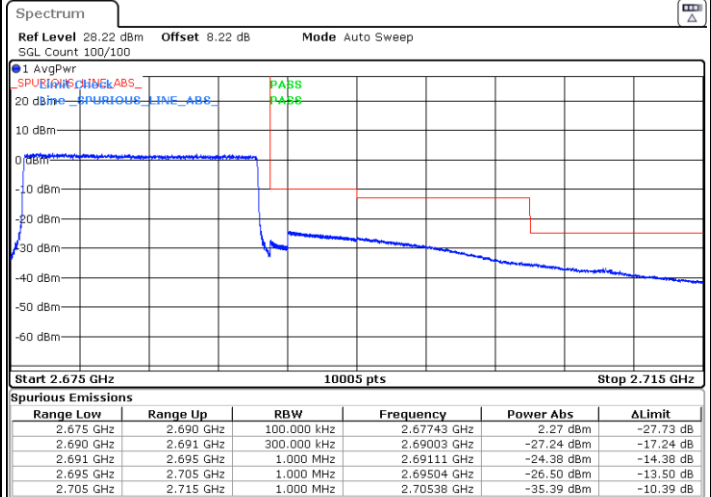
Date: 7.AUG.2022 18:13:25

Lowest Band Edge / Full RB



Date: 7.AUG.2022 18:05:56

Highest Band Edge / Full RB

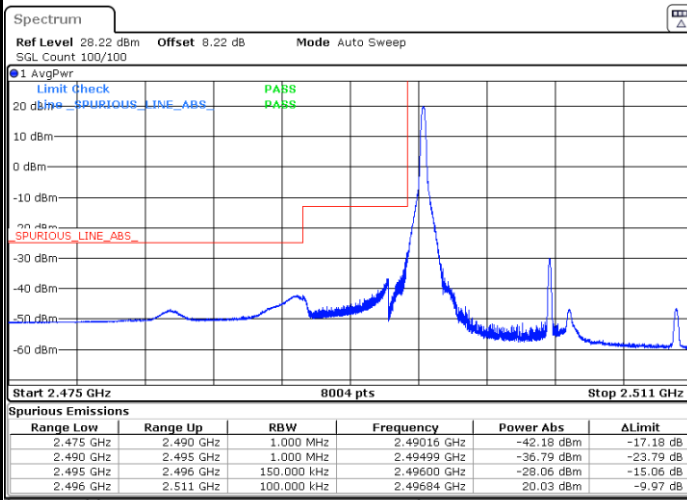


Date: 7.AUG.2022 18:17:28



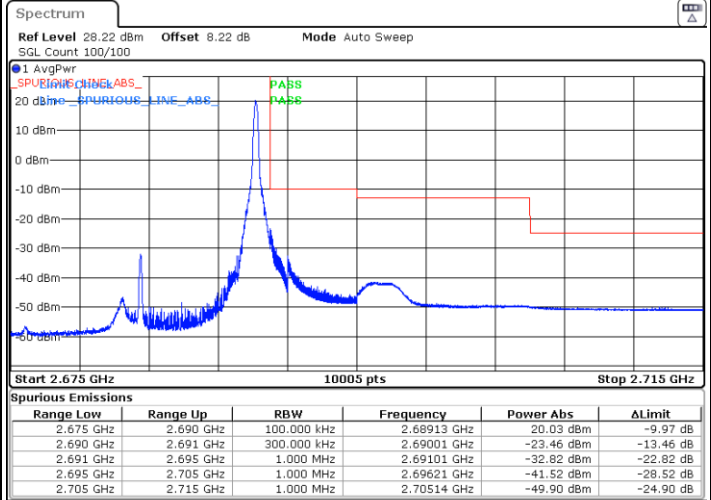
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



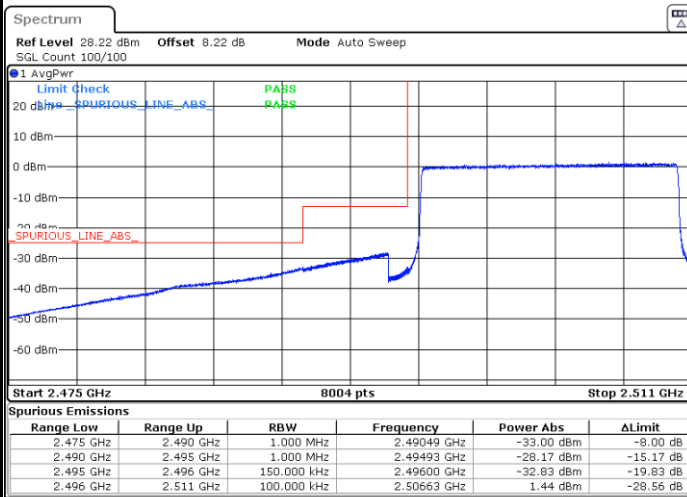
Date: 7.AUG.2022 18:03:10

Highest Band Edge / 1 RB



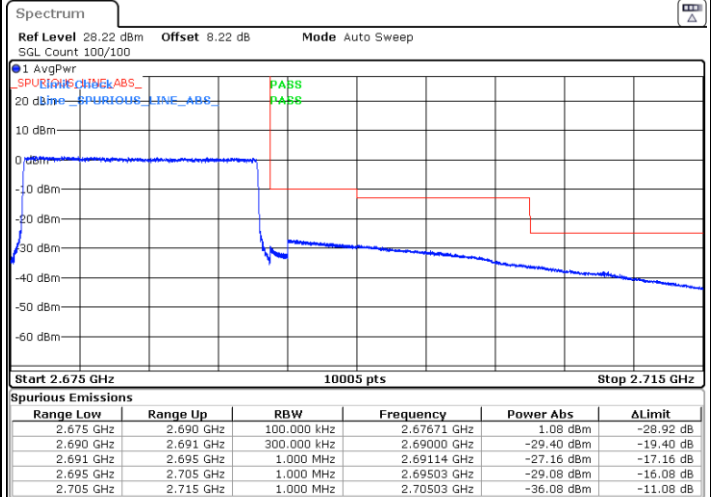
Date: 7.AUG.2022 18:14:46

Lowest Band Edge / Full RB



Date: 7.AUG.2022 18:04:33

Highest Band Edge / Full RB

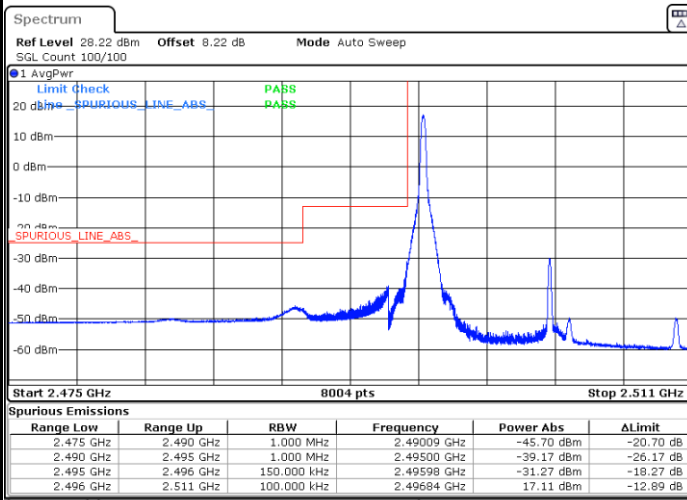


Date: 7.AUG.2022 18:16:07



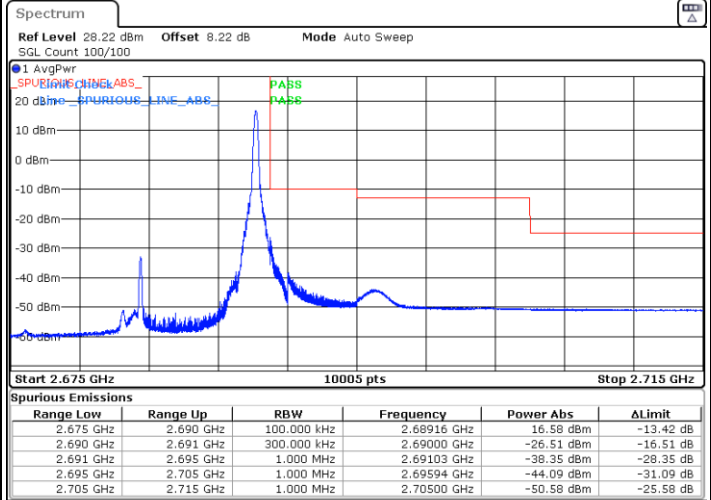
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



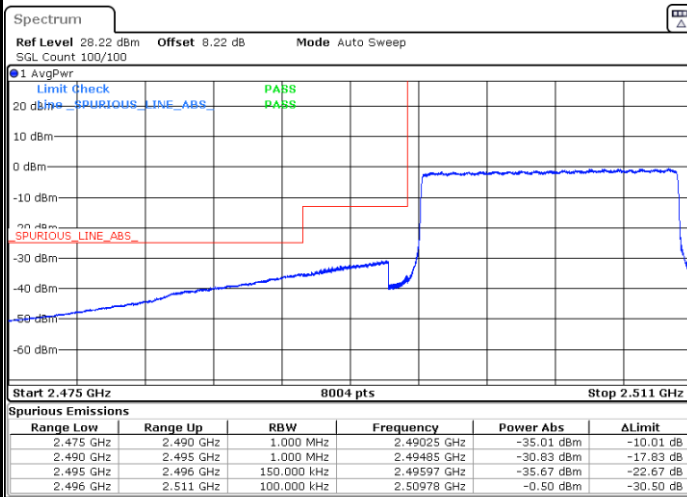
Date: 8.AUG.2022 11:59:50

Highest Band Edge / 1 RB



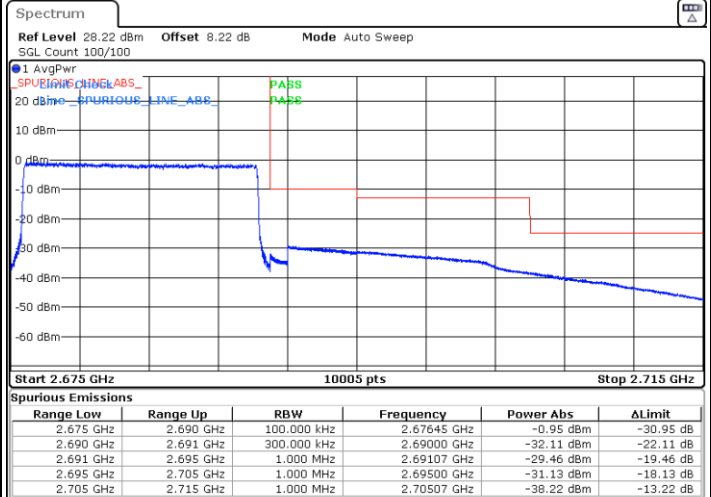
Date: 8.AUG.2022 12:06:01

Lowest Band Edge / Full RB



Date: 8.AUG.2022 12:02:56

Highest Band Edge / Full RB

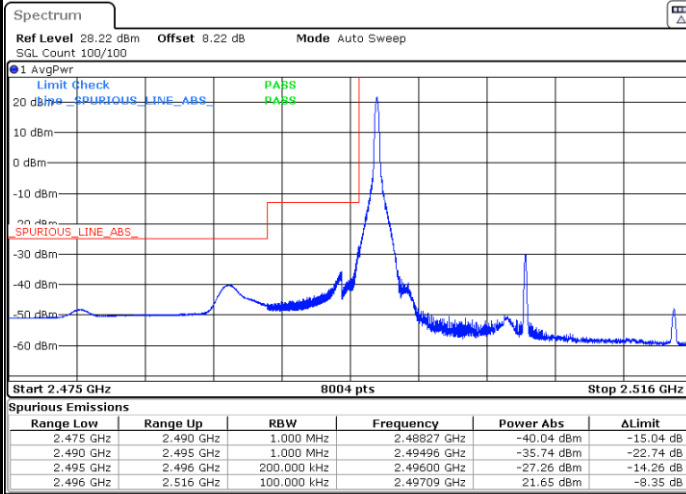


Date: 8.AUG.2022 12:04:44



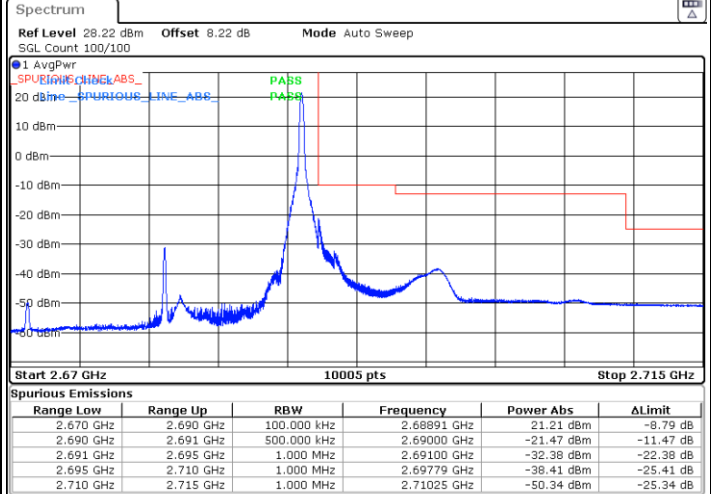
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



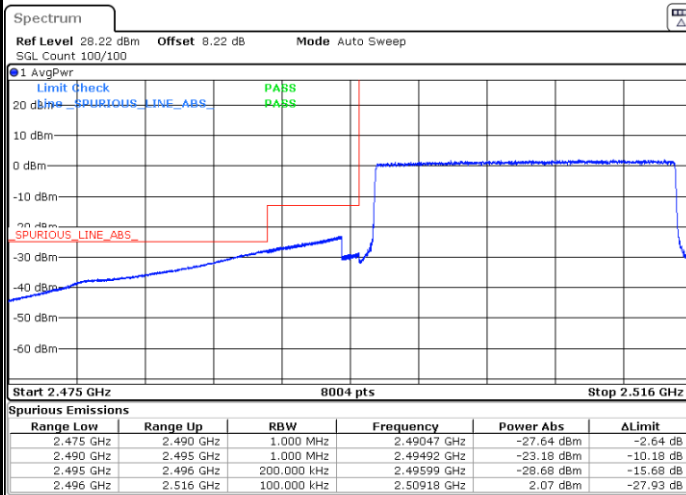
Date: 7.AUG.2022 18:21:55

Highest Band Edge / 1 RB



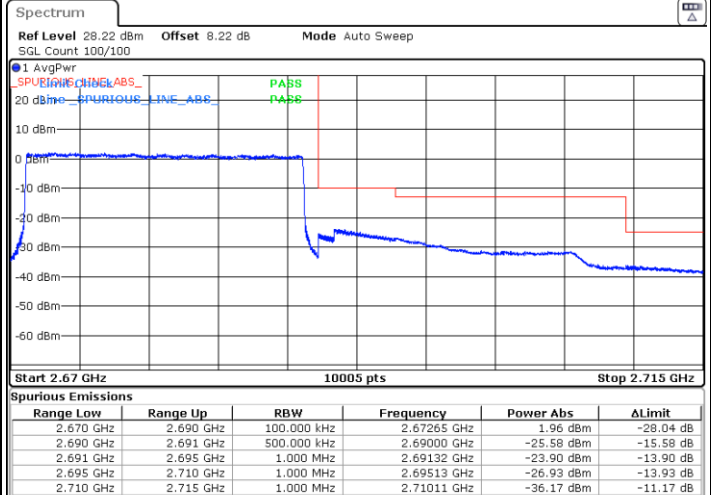
Date: 7.AUG.2022 18:33:36

Lowest Band Edge / Full RB



Date: 7.AUG.2022 18:28:49

Highest Band Edge / Full RB

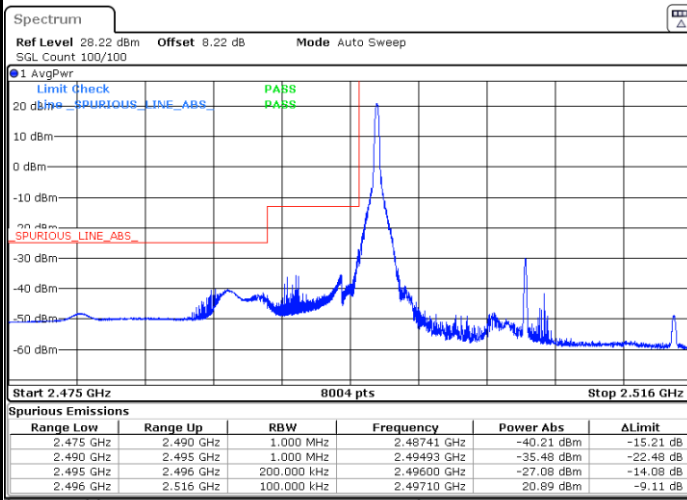


Date: 7.AUG.2022 18:40:23



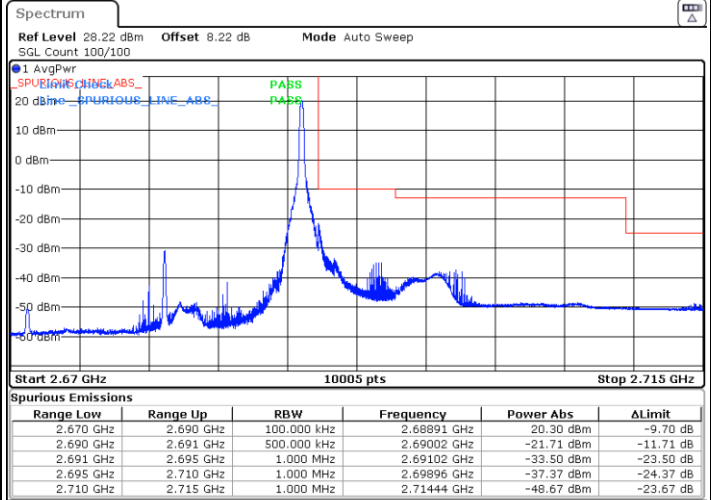
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



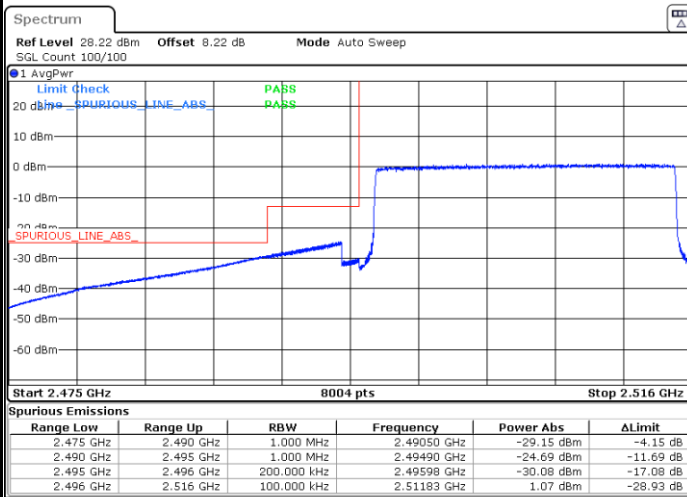
Date: 7.AUG.2022 18:23:18

Highest Band Edge / 1 RB



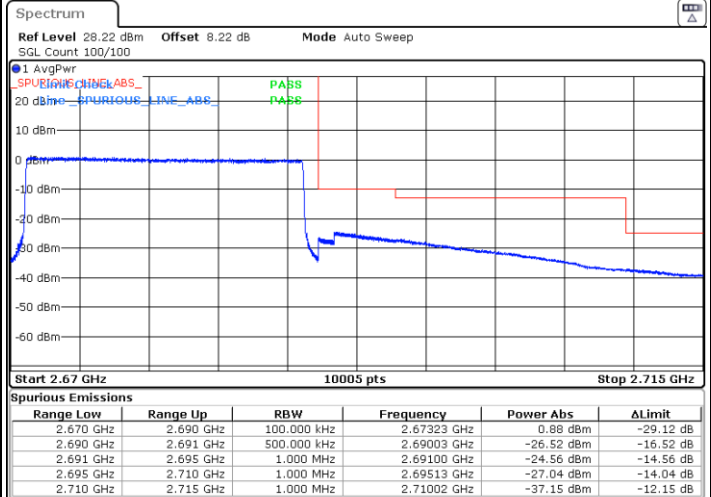
Date: 7.AUG.2022 18:34:58

Lowest Band Edge / Full RB



Date: 7.AUG.2022 18:27:26

Highest Band Edge / Full RB

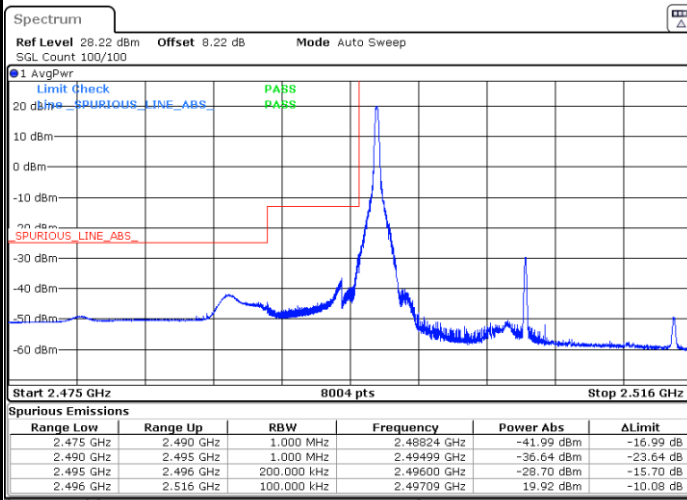


Date: 7.AUG.2022 18:39:01



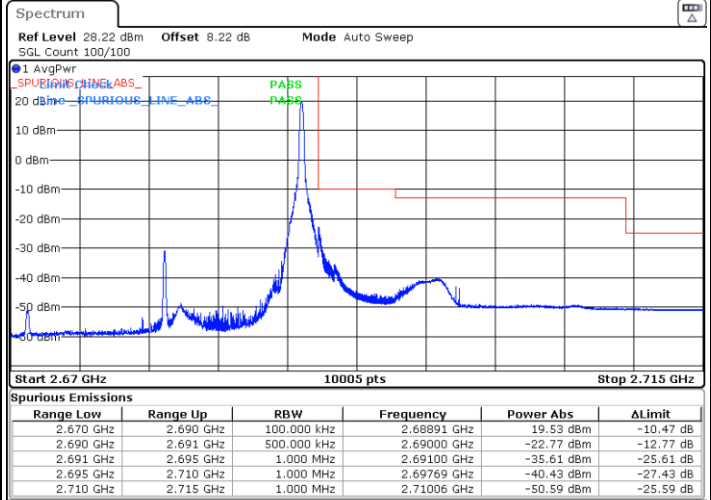
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



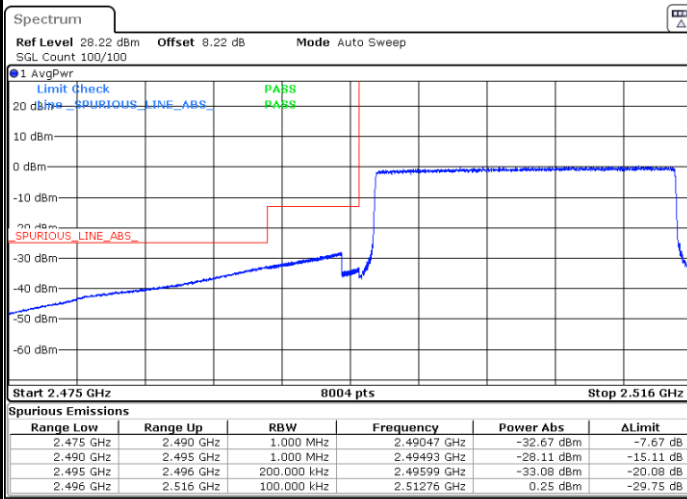
Date: 7.AUG.2022 18:24:40

Highest Band Edge / 1 RB



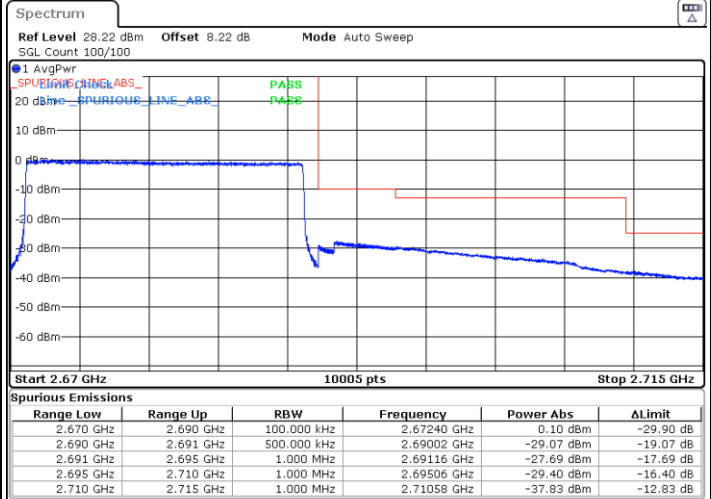
Date: 7.AUG.2022 18:36:19

Lowest Band Edge / Full RB



Date: 7.AUG.2022 18:26:03

Highest Band Edge / Full RB

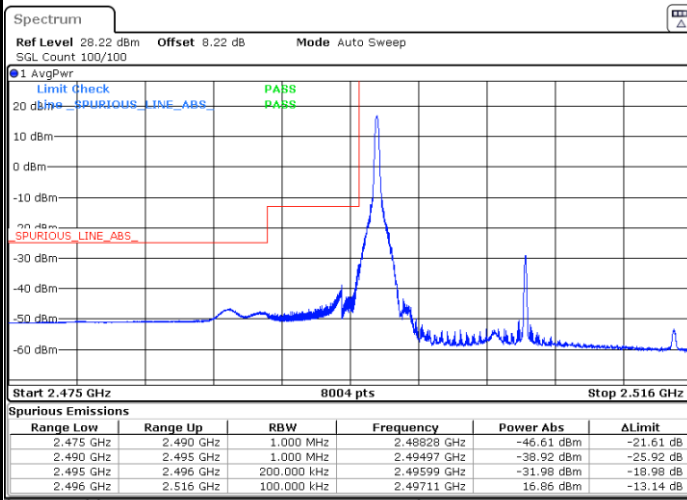


Date: 7.AUG.2022 18:37:40



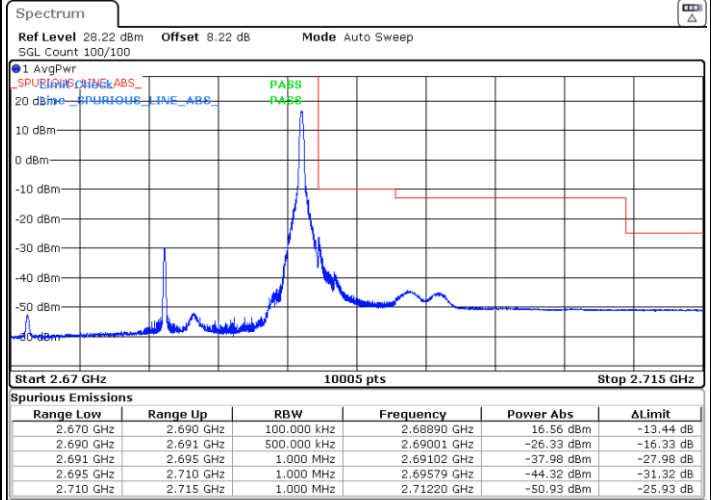
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



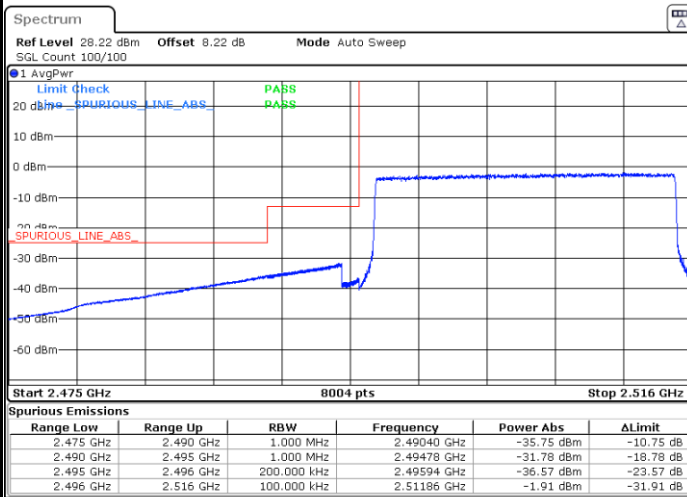
Date: 8.AUG.2022 11:36:57

Highest Band Edge / 1 RB



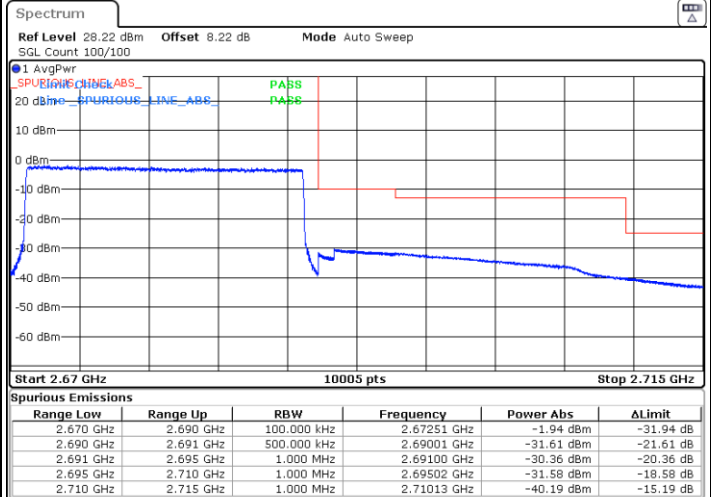
Date: 8.AUG.2022 11:54:36

Lowest Band Edge / Full RB



Date: 8.AUG.2022 11:51:46

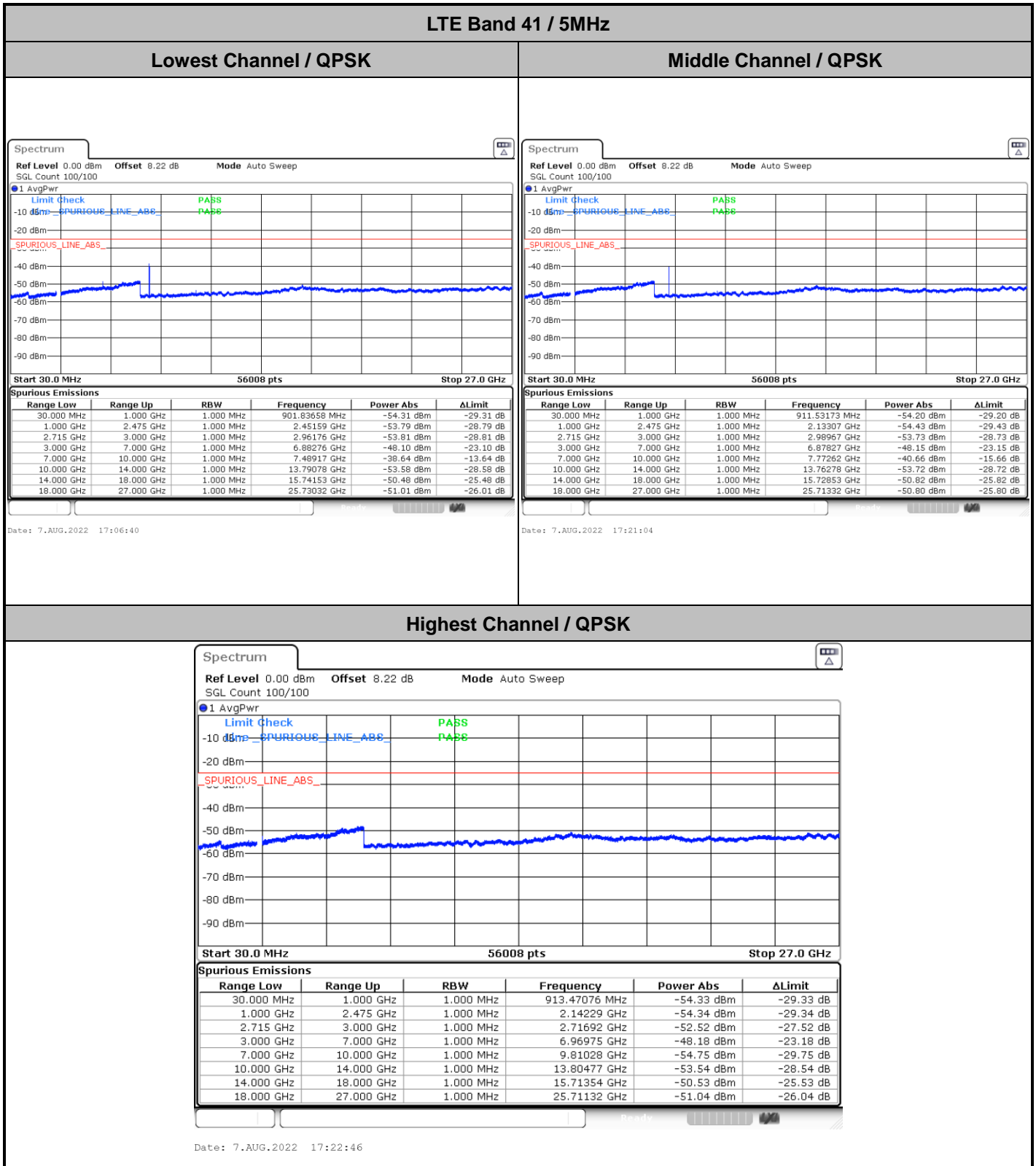
Highest Band Edge / Full RB



Date: 8.AUG.2022 11:53:30



Conducted Spurious Emission

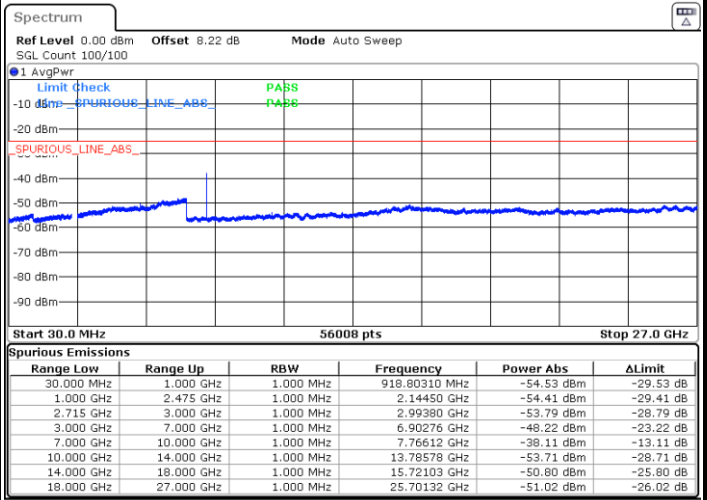
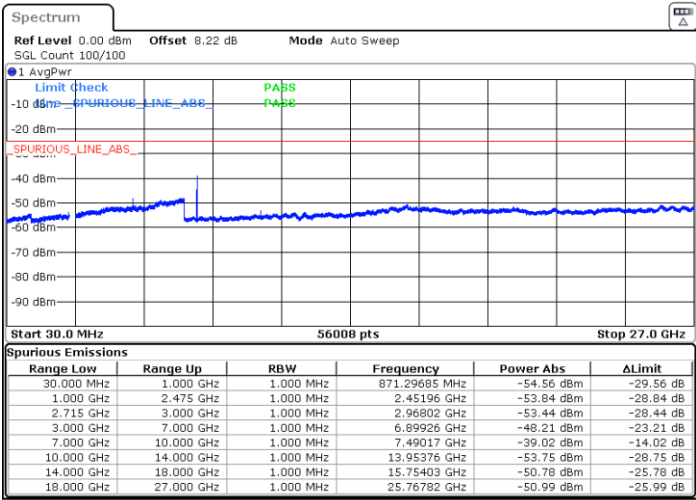




LTE Band 41 / 10MHz

Lowest Channel / QPSK

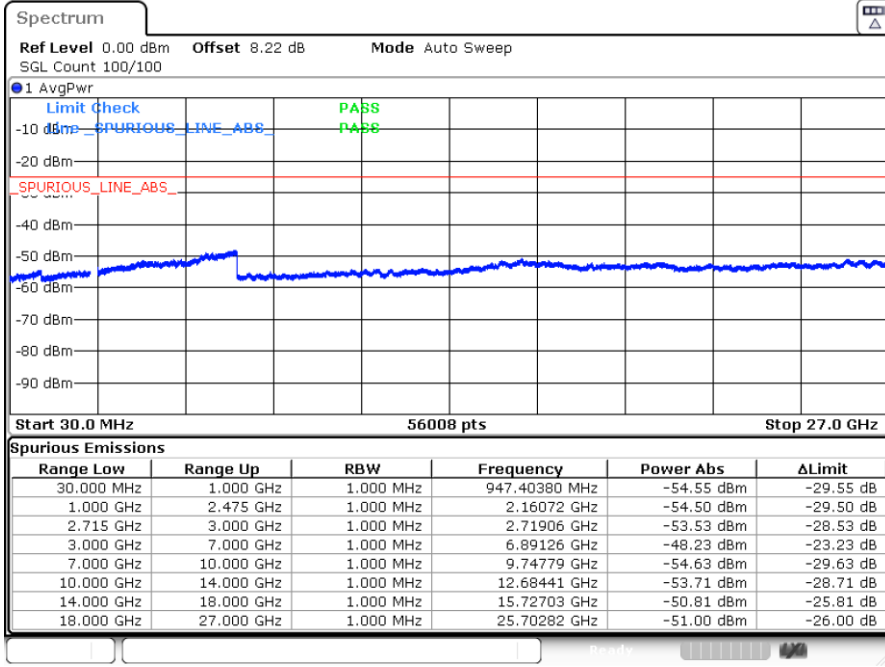
Middle Channel / QPSK



Date: 7.AUG.2022 17:35:02

Date: 7.AUG.2022 17:47:28

Highest Channel / QPSK



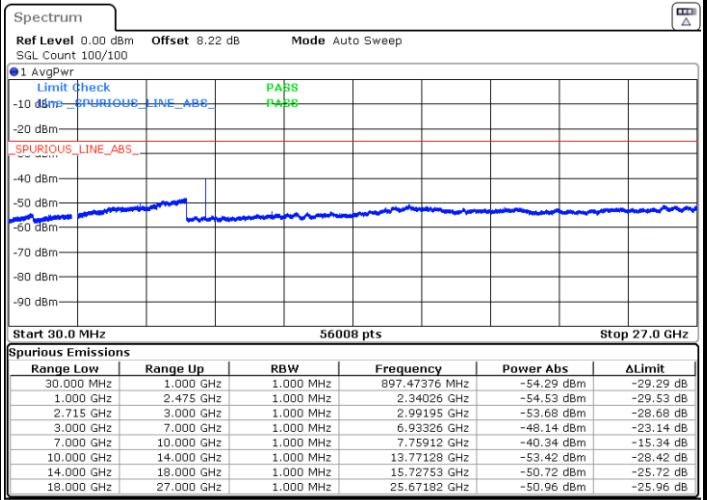
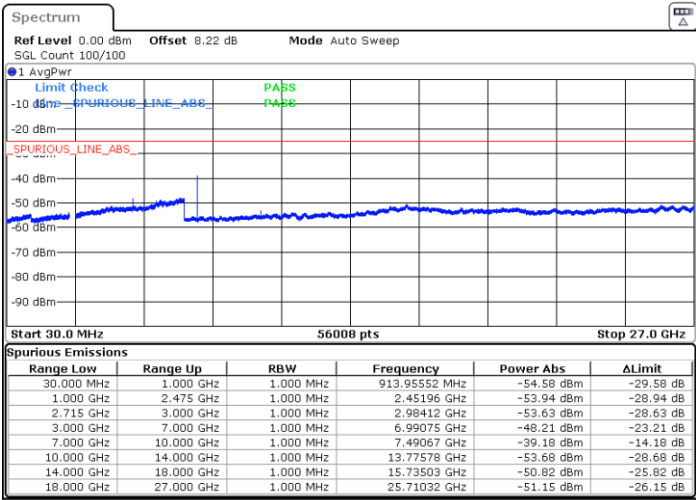
Date: 7.AUG.2022 17:49:11



LTE Band 41 / 15MHz

Lowest Channel / QPSK

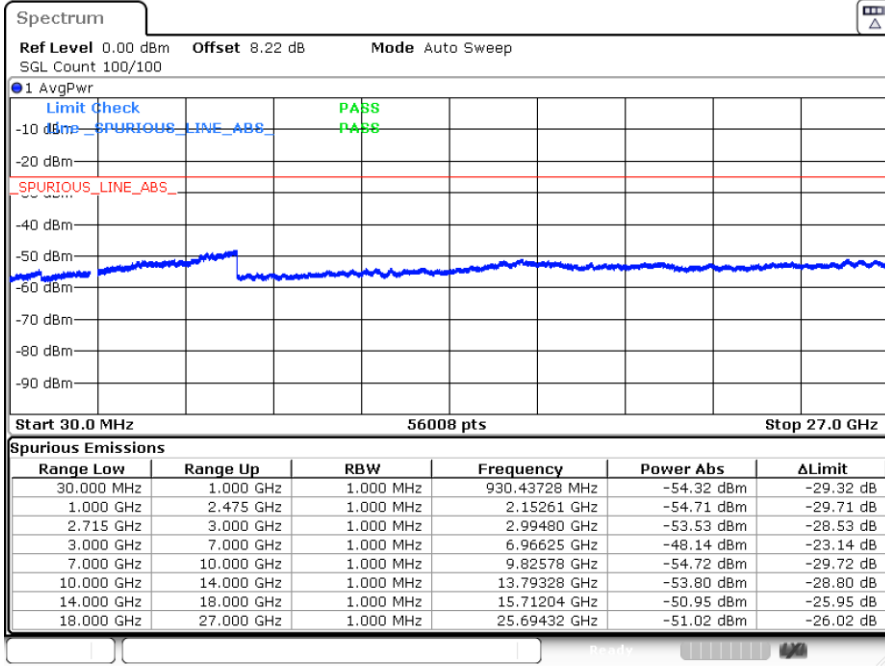
Middle Channel / QPSK



Date: 7.AUG.2022 17:59:01

Date: 7.AUG.2022 18:09:01

Highest Channel / QPSK



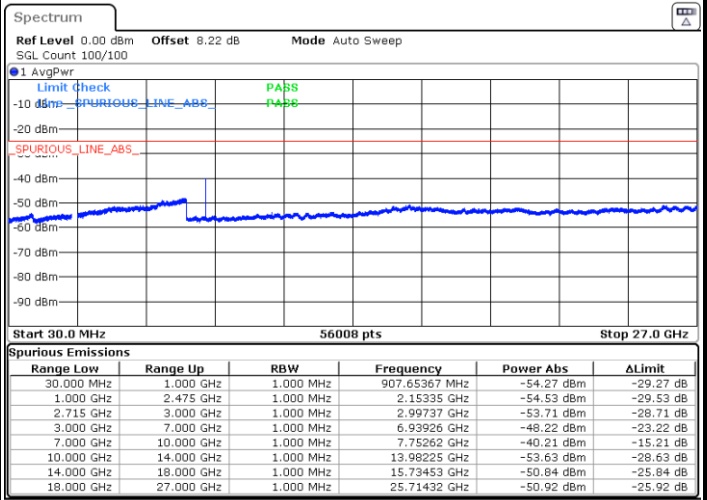
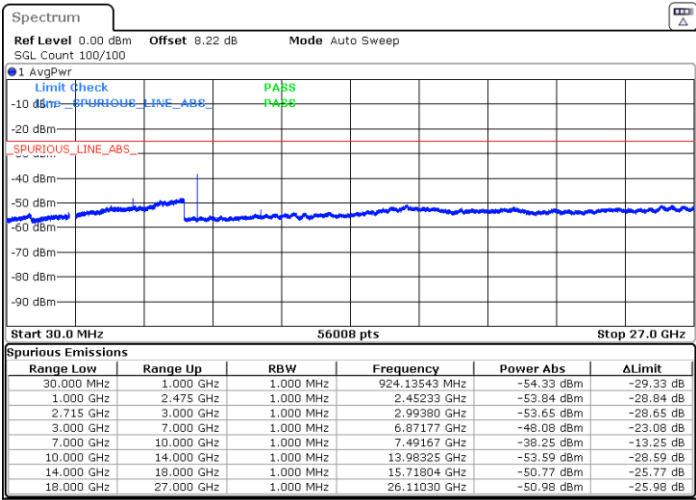
Date: 7.AUG.2022 18:10:43



LTE Band 41 / 20MHz

Lowest Channel / QPSK

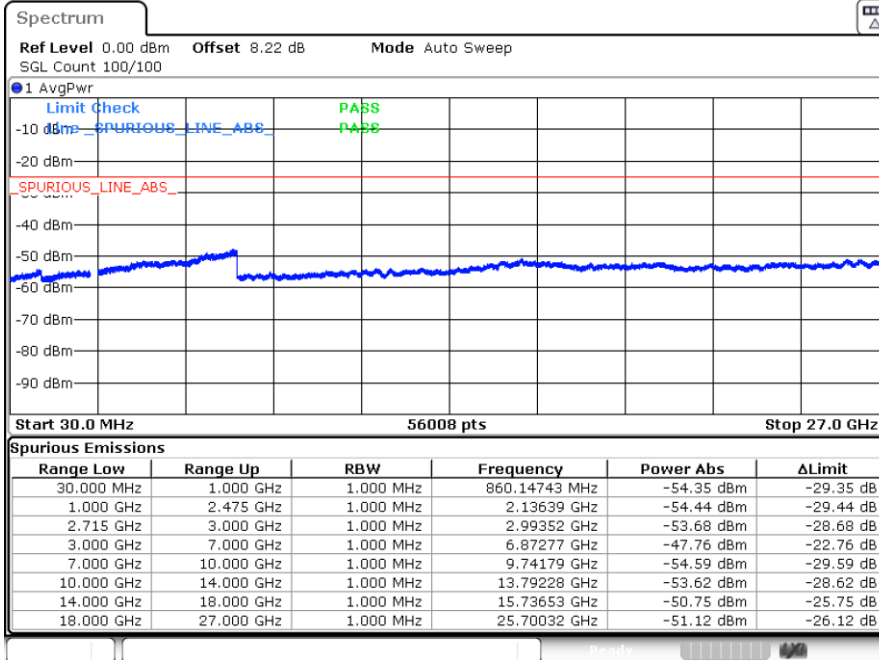
Middle Channel / QPSK



Date: 7.AUG.2022 18:20:32

Date: 7.AUG.2022 18:30:31

Highest Channel / QPSK



Date: 7.AUG.2022 18:32:13



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

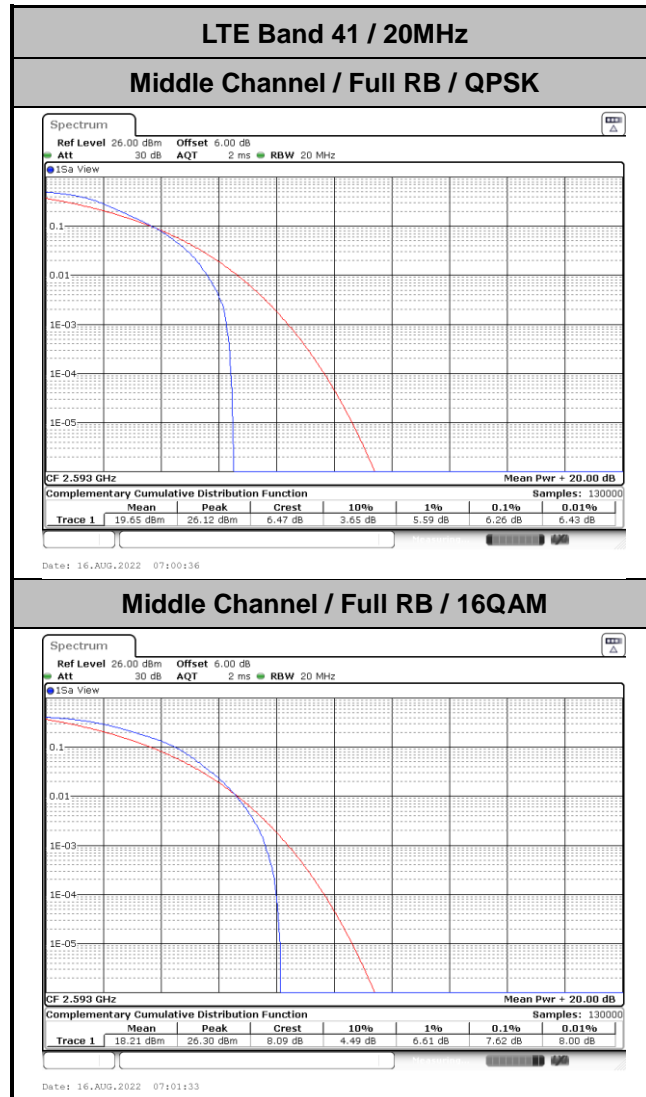
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.52 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

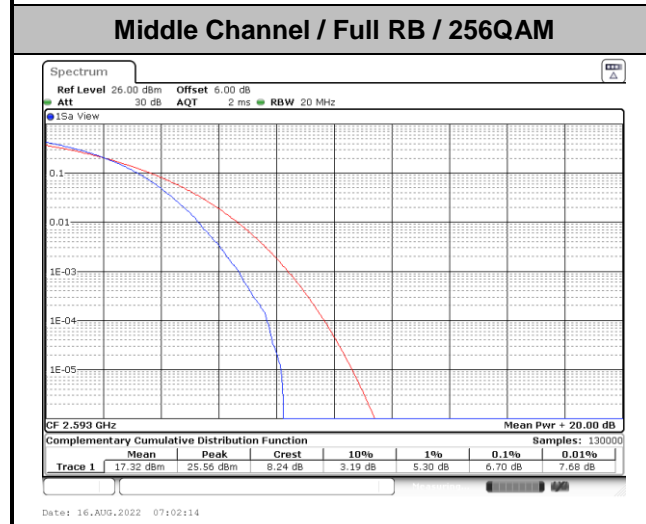
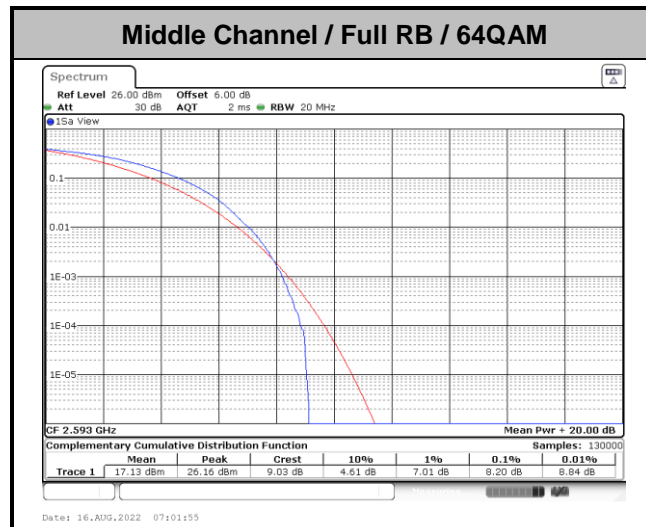


LTE Band 41 (other PA)

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	6.26	7.62	8.20	PASS
Mod.	256QAM			Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.70			PASS

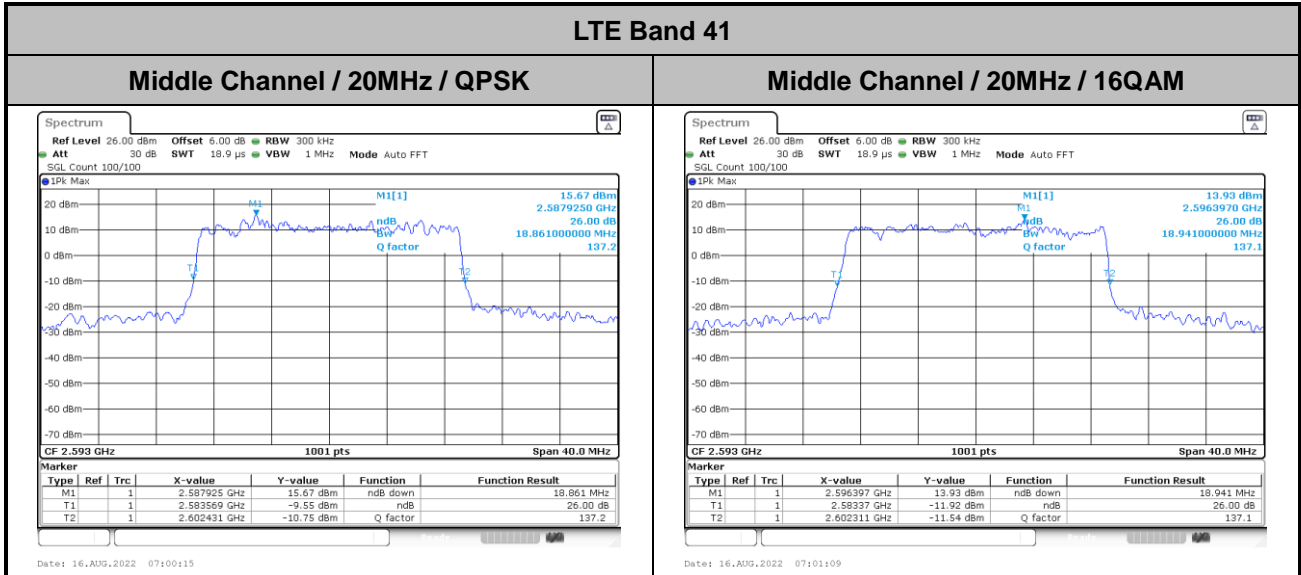






26dB Bandwidth

Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.86	18.94





Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.10	17.98

