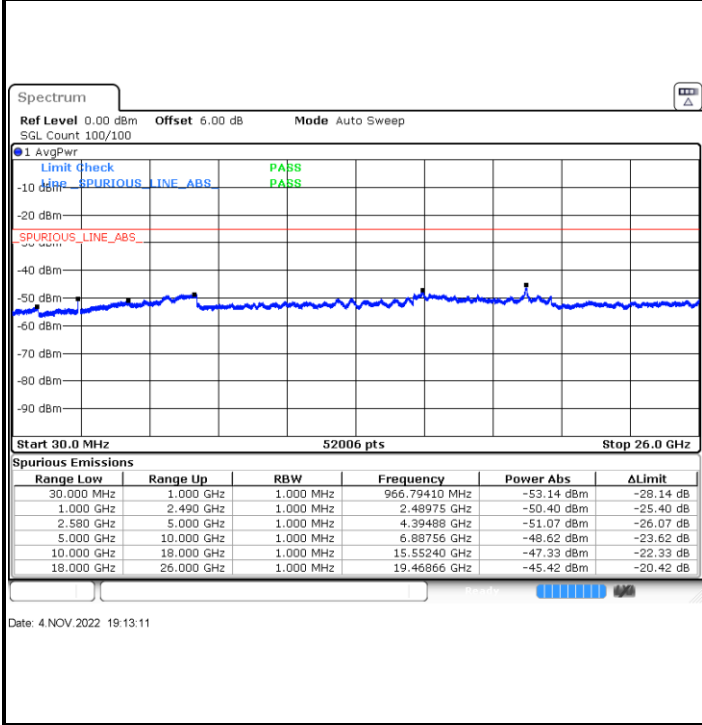


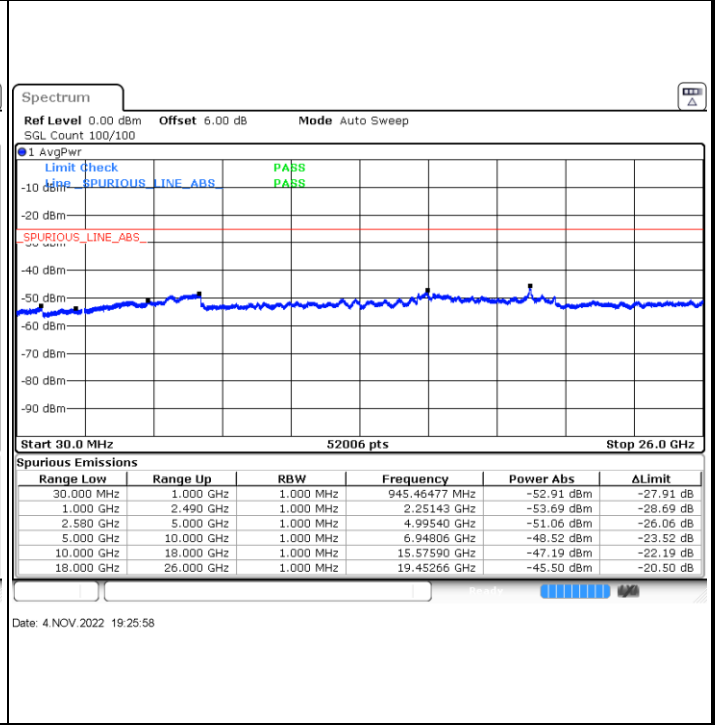


LTE Band 7 / 15MHz

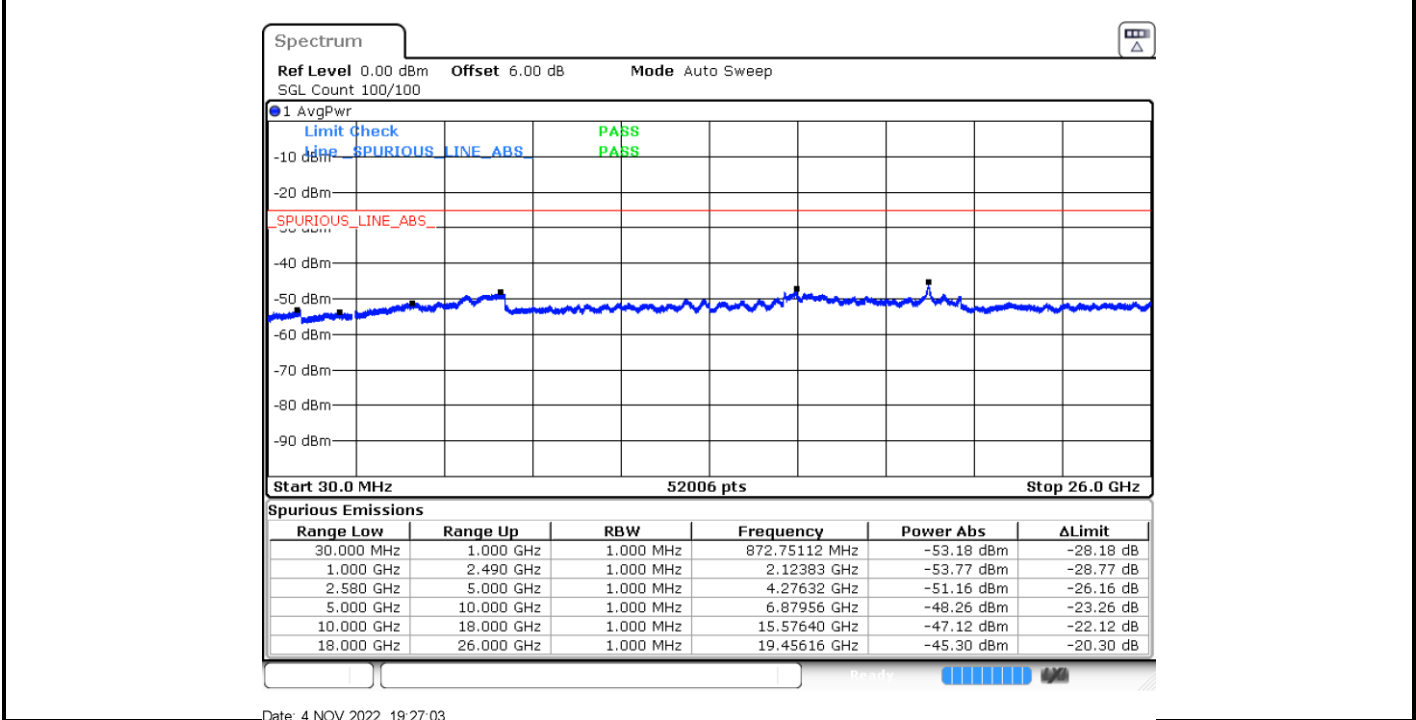
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

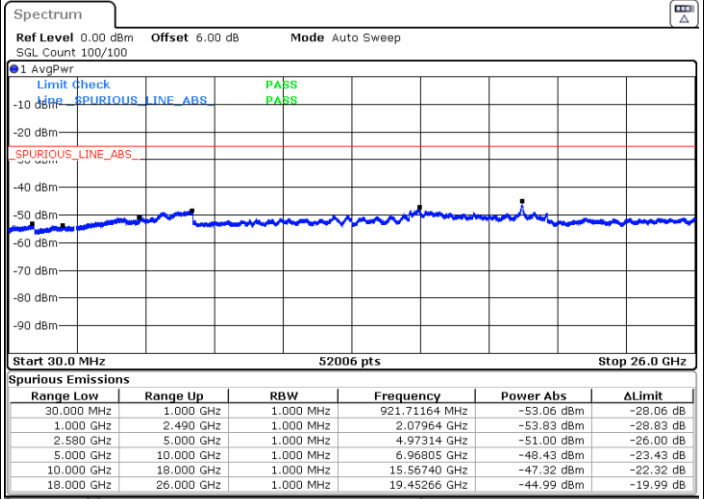
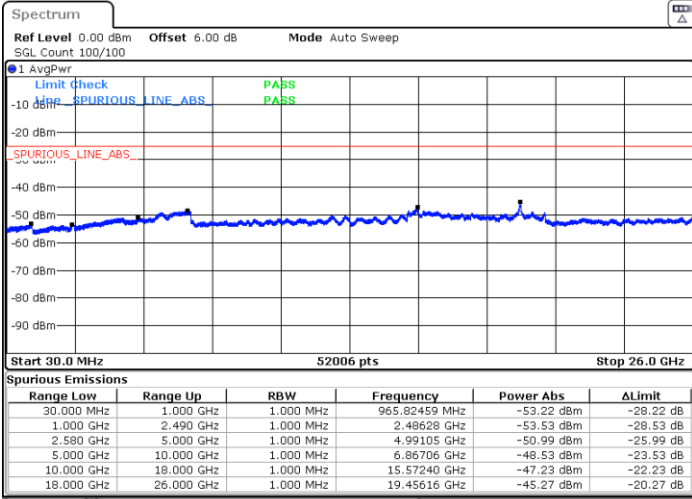




LTE Band 7 / 20MHz

Lowest Channel / QPSK

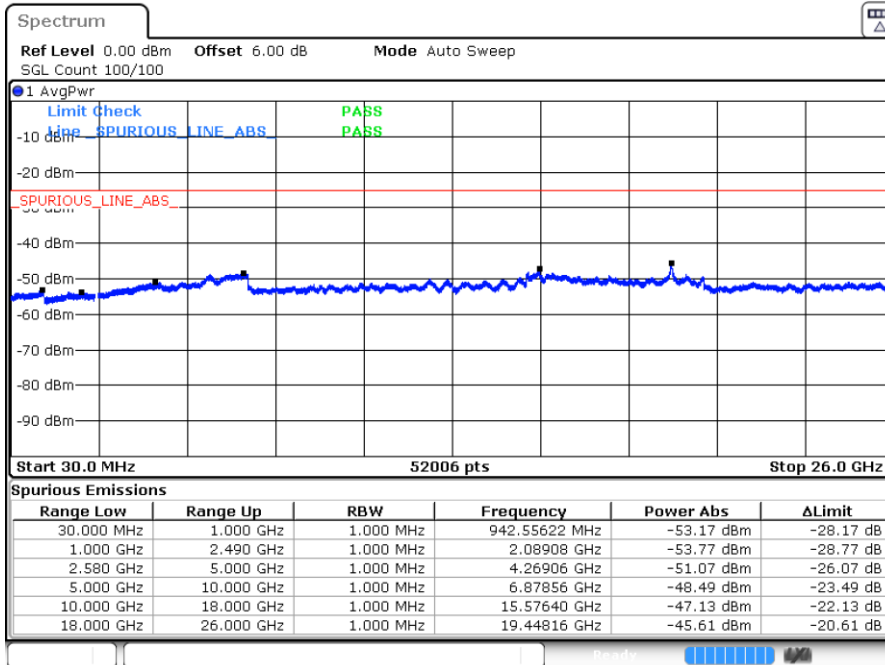
Middle Channel / QPSK



Date: 4 NOV 2022 20:01:52

Date: 4 NOV 2022 20:14:39

Highest Channel / QPSK



Date: 4 NOV 2022 20:15:43



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	0.0024	PASS
40	Normal Voltage	0.0020	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0019	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0018	

Note:

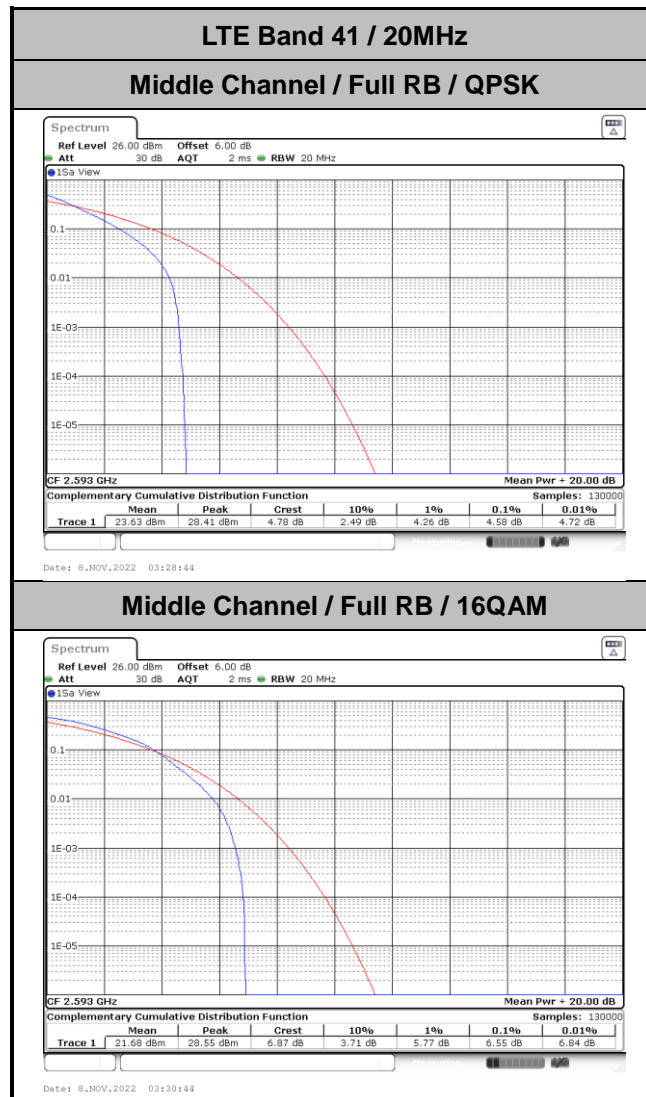
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

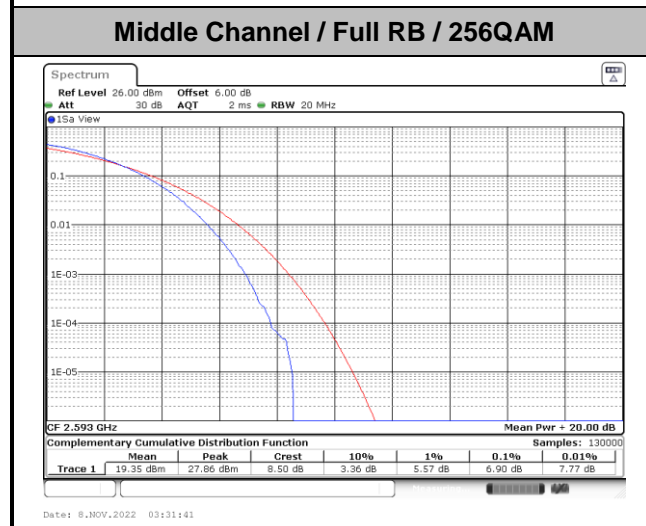
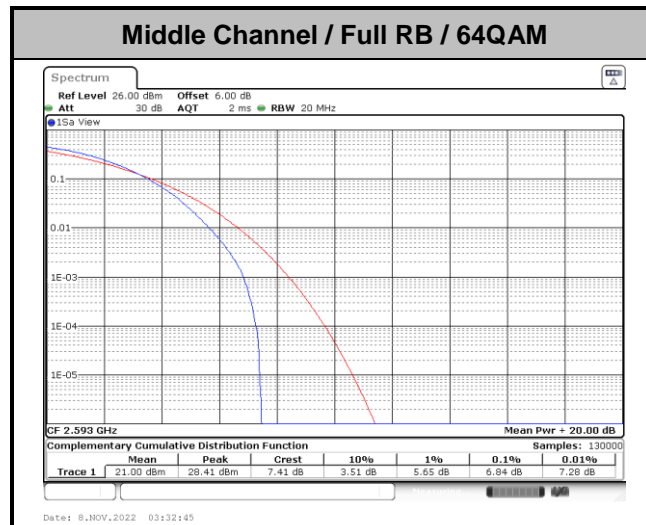


LTE Band 41

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	4.58	6.55	6.84	PASS
Mod.	256QAM			Limit: 13dB
RB Size	Full RB			Result
Middle CH	6.90			PASS

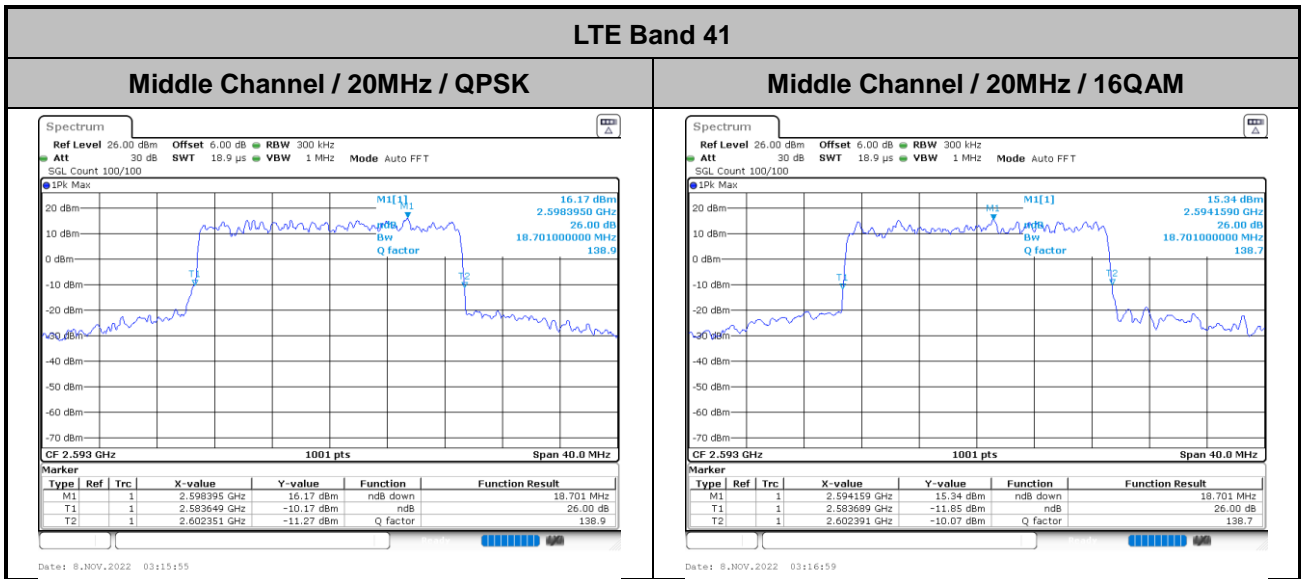






26dB Bandwidth

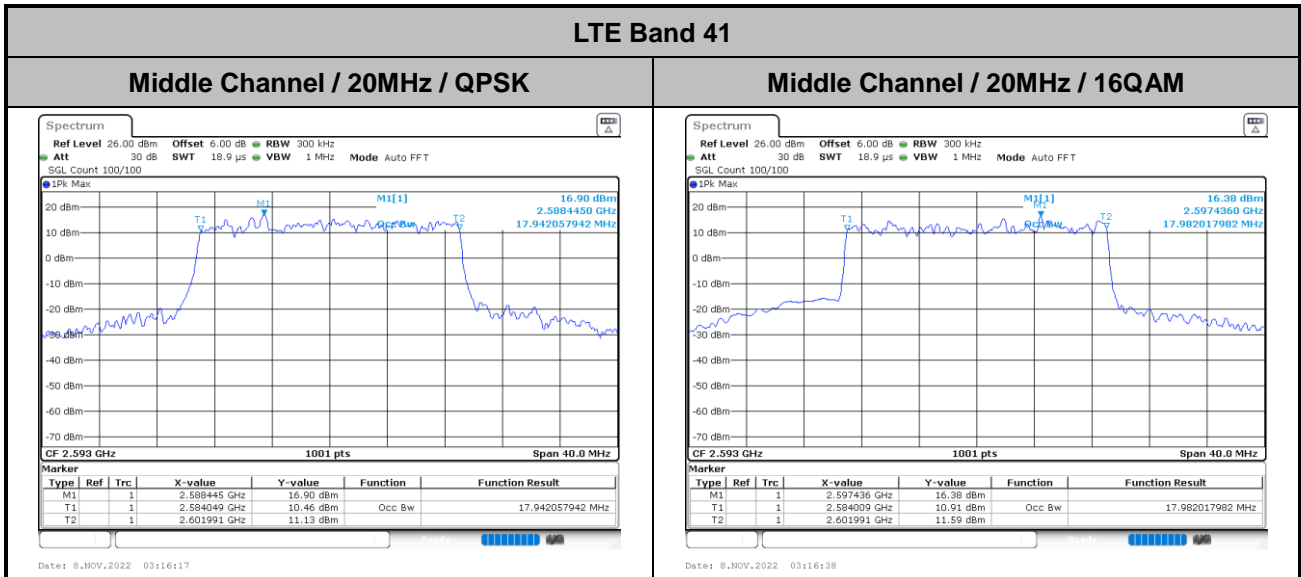
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.70	18.70





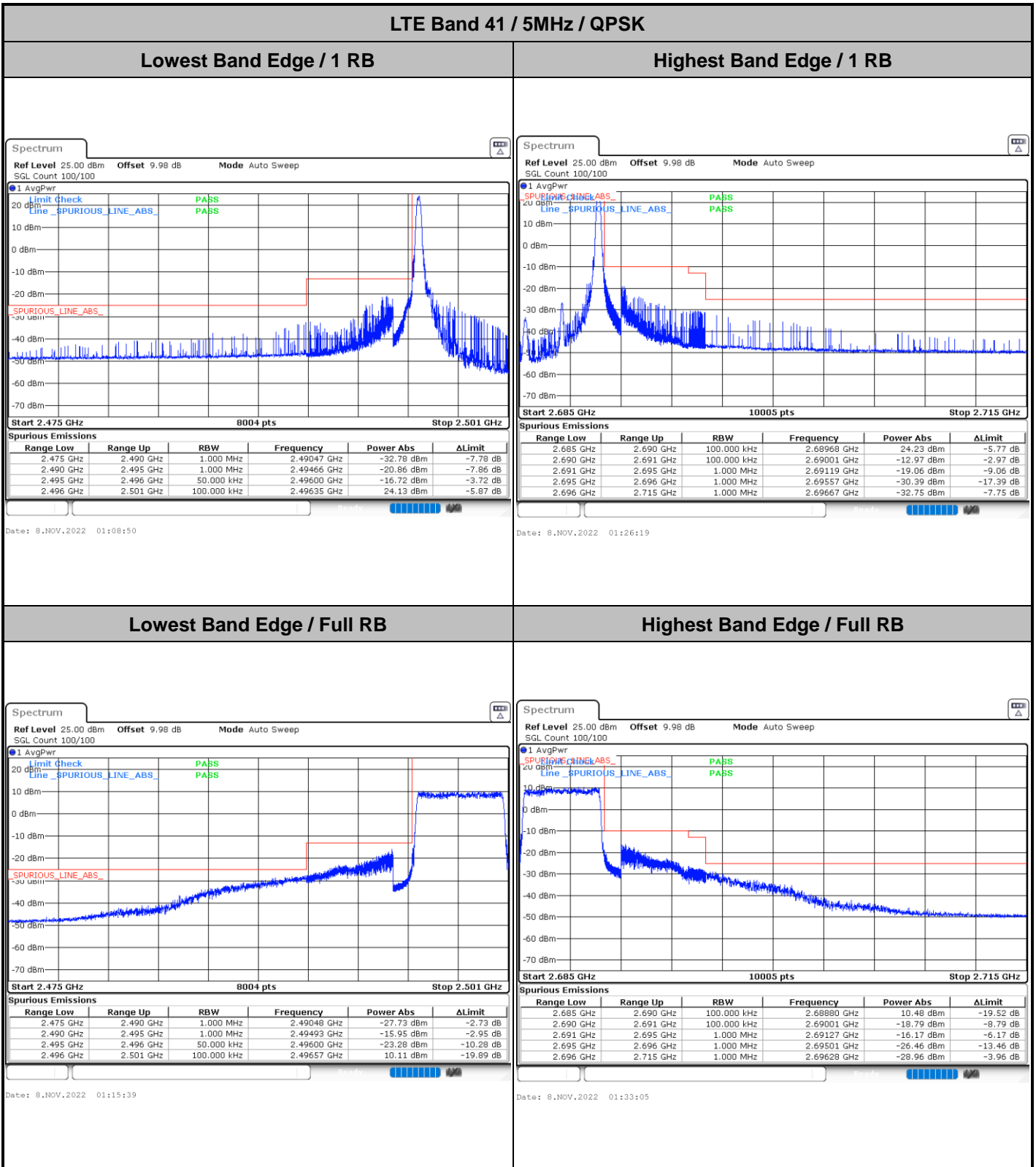
Occupied Bandwidth

Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.98





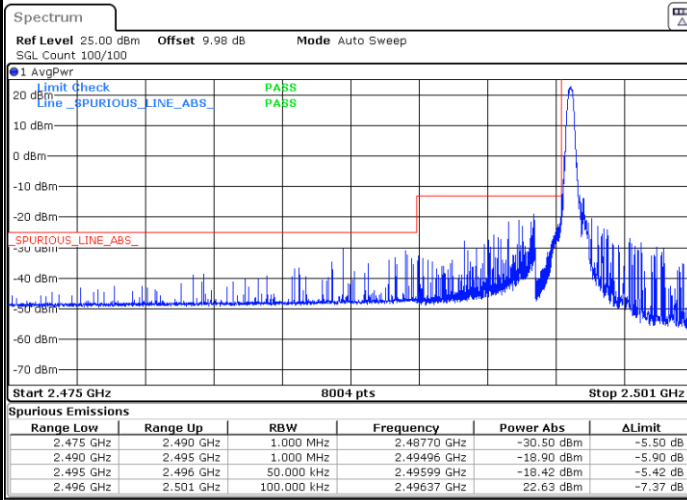
Conducted Band Edge





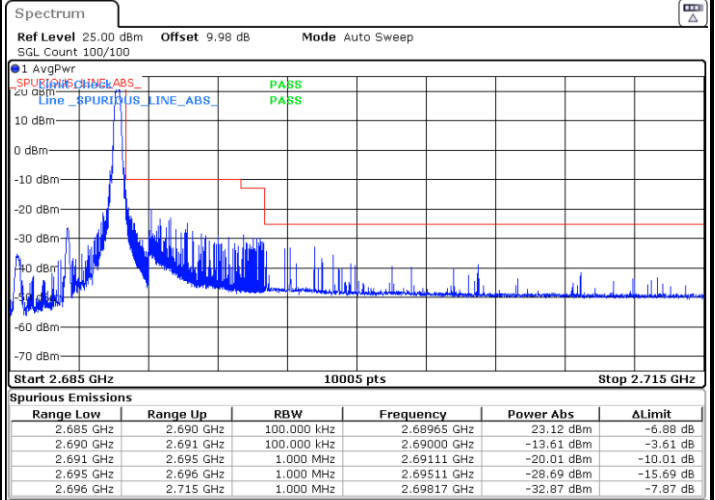
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



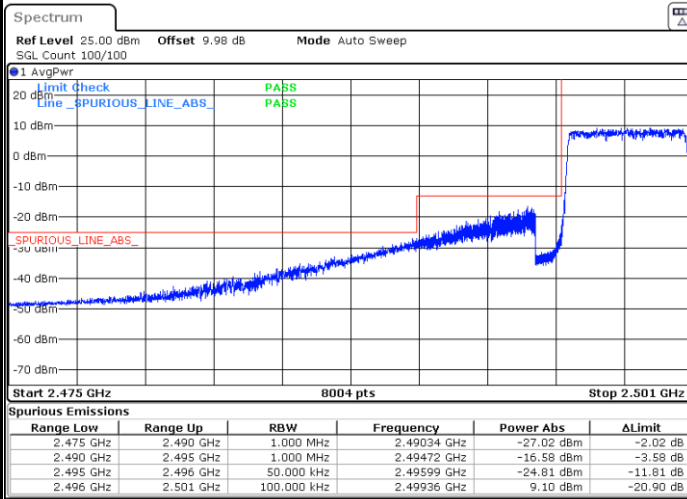
Date: 8.NOV.2022 01:10:33

Highest Band Edge / 1 RB



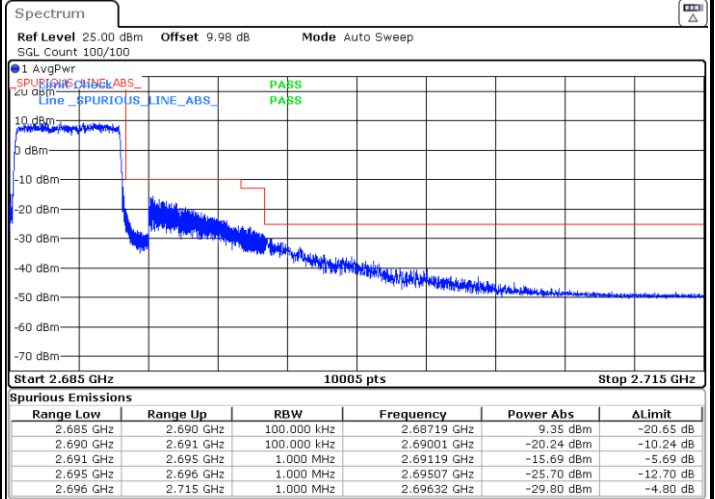
Date: 8.NOV.2022 01:28:00

Lowest Band Edge / Full RB



Date: 8.NOV.2022 01:17:19

Highest Band Edge / Full RB

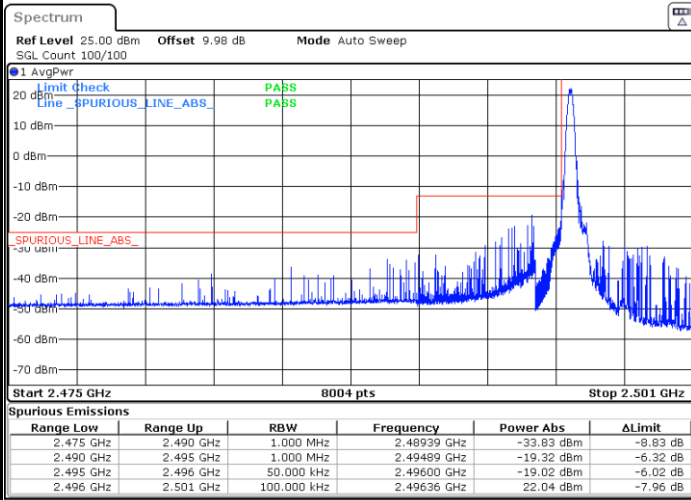


Date: 8.NOV.2022 01:34:46



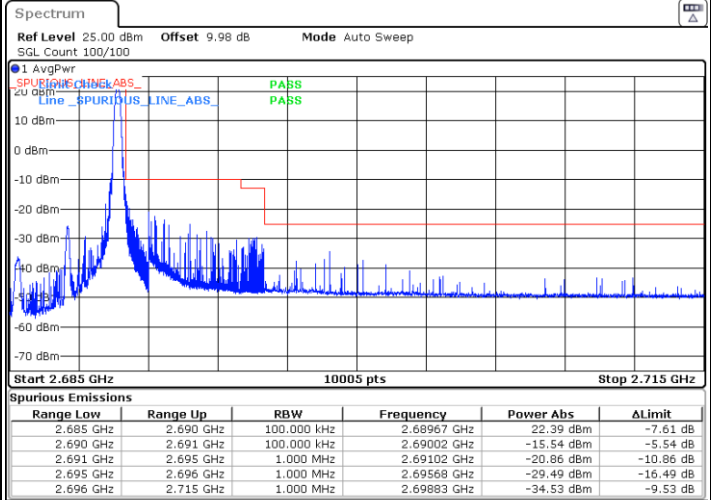
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



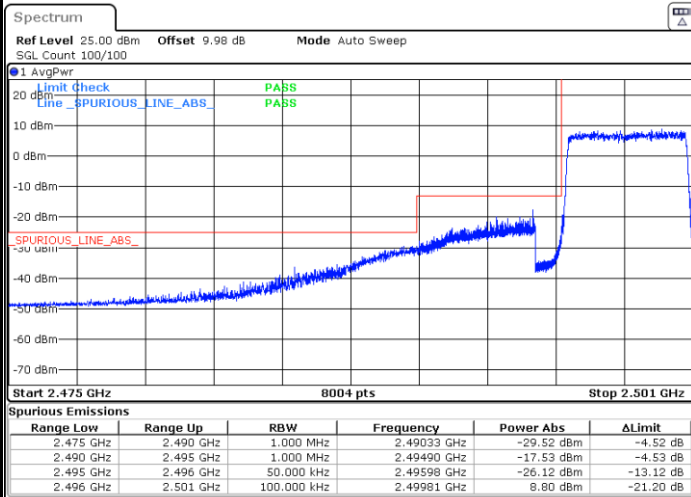
Date: 8.NOV.2022 01:12:13

Highest Band Edge / 1 RB



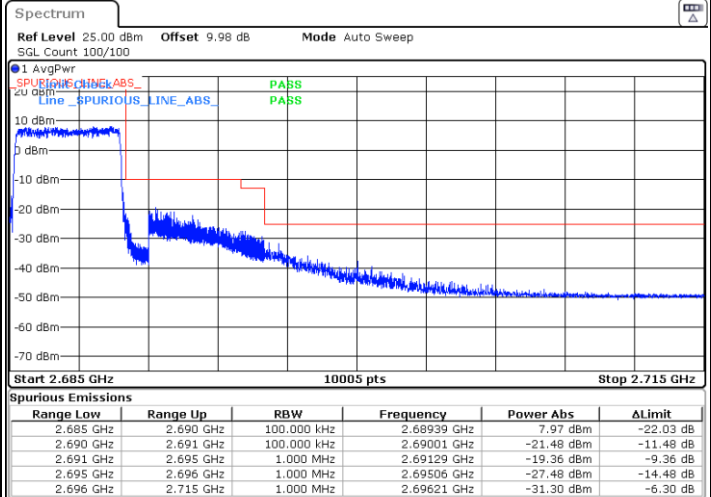
Date: 8.NOV.2022 01:29:40

Lowest Band Edge / Full RB



Date: 8.NOV.2022 01:19:00

Highest Band Edge / Full RB

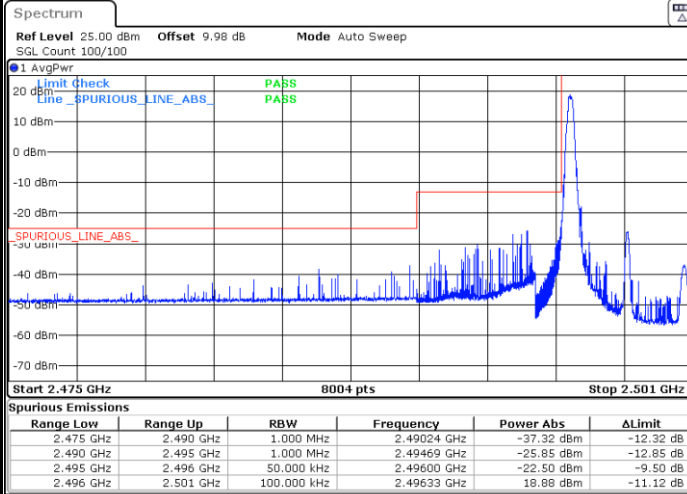


Date: 8.NOV.2022 01:36:26



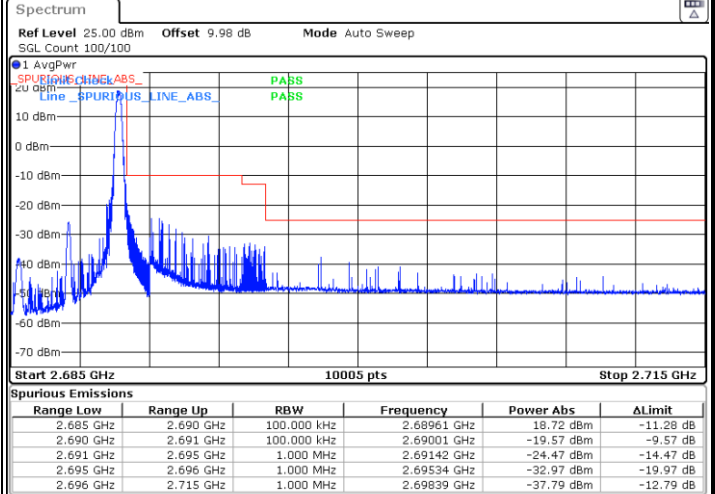
LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



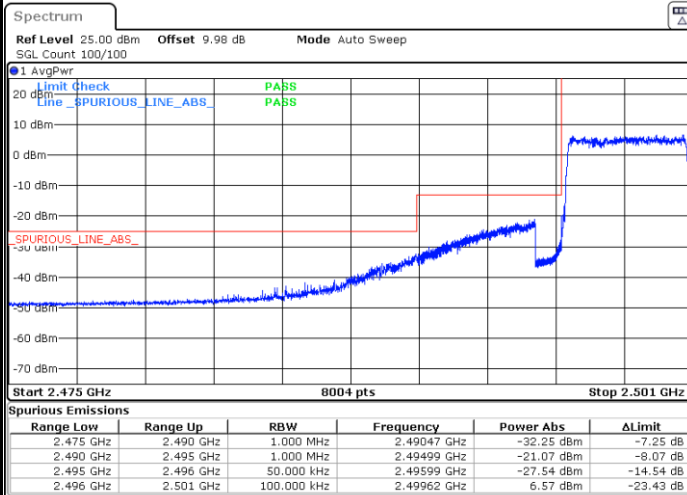
Date: 8.NOV.2022 01:13:54

Highest Band Edge / 1 RB



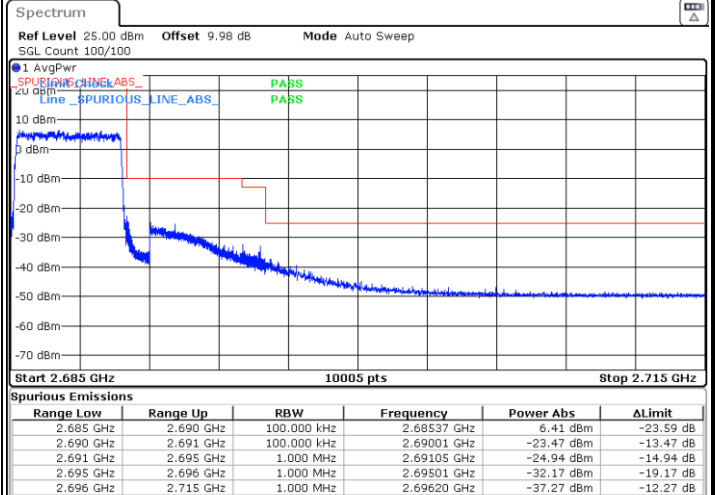
Date: 8.NOV.2022 01:31:20

Lowest Band Edge / Full RB



Date: 8.NOV.2022 01:20:42

Highest Band Edge / Full RB

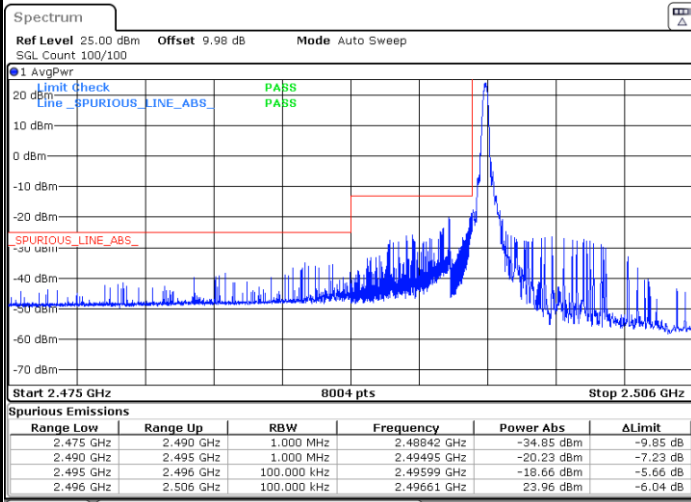


Date: 8.NOV.2022 01:38:09



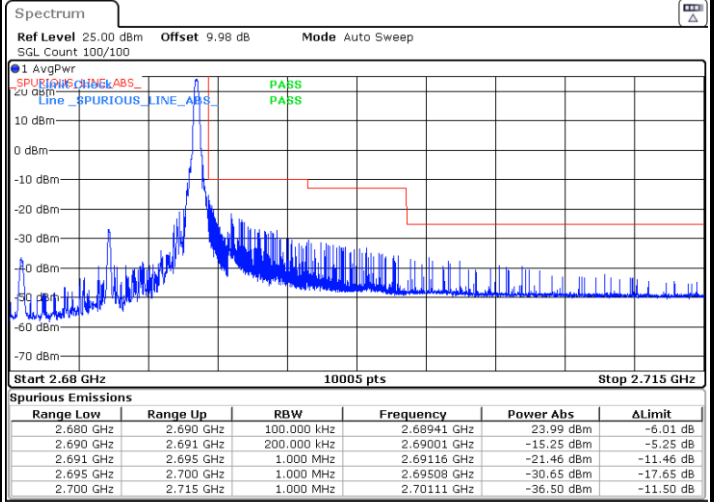
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



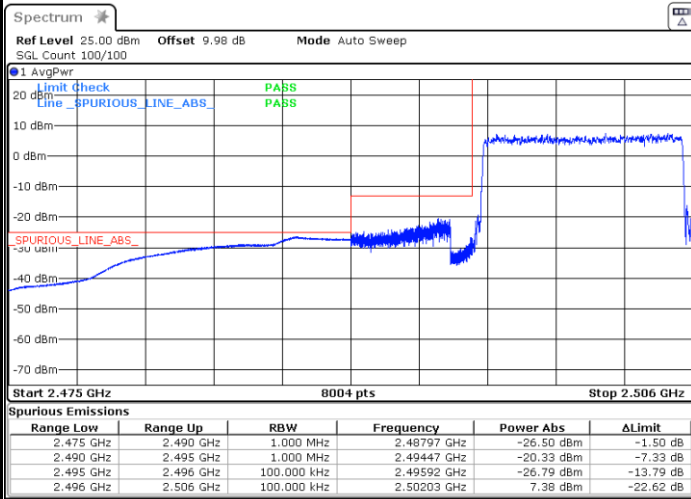
Date: 8.NOV.2022 01:41:08

Highest Band Edge / 1 RB



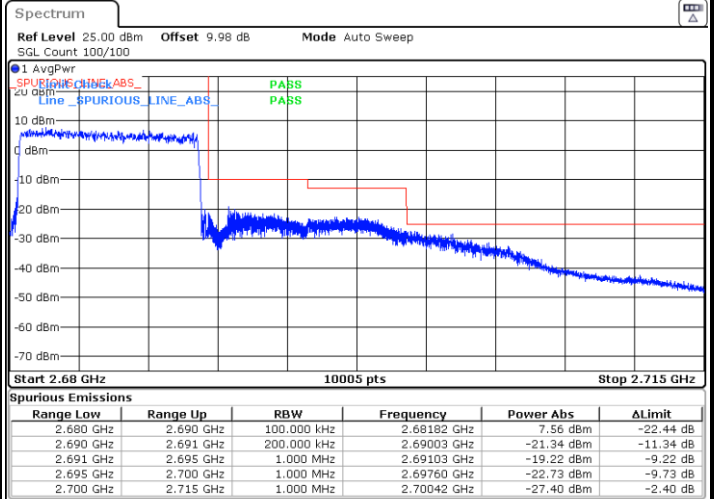
Date: 8.NOV.2022 01:55:56

Lowest Band Edge / Full RB



Date: 8.NOV.2022 03:09:59

Highest Band Edge / Full RB

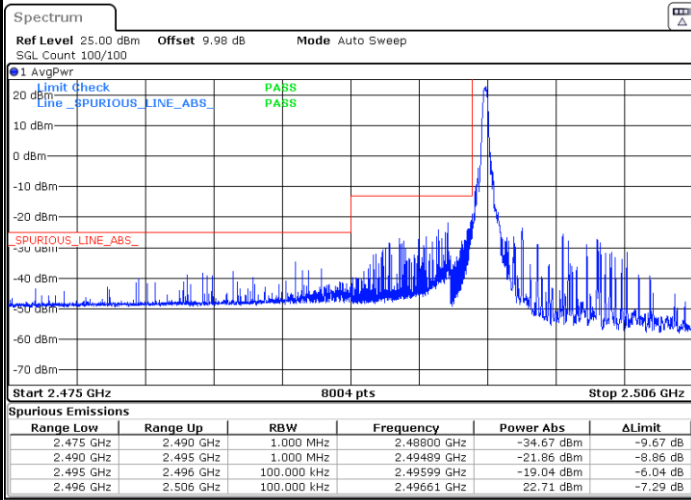


Date: 8.NOV.2022 02:01:24



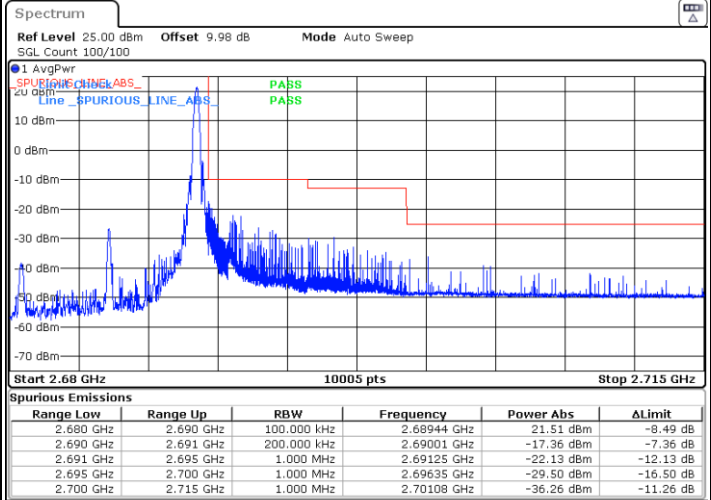
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



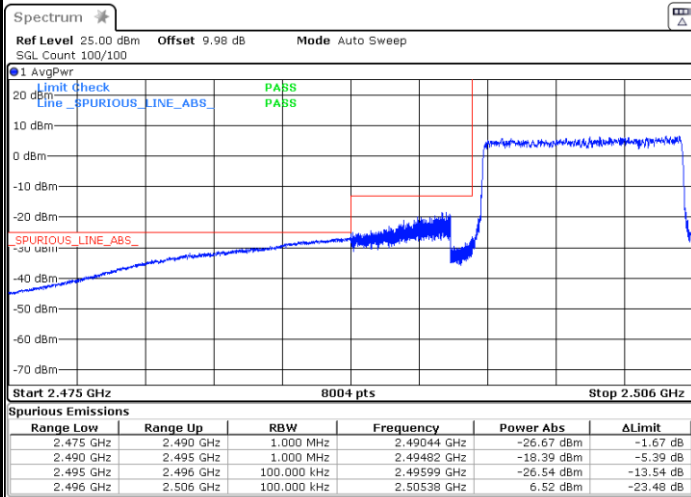
Date: 8.NOV.2022 01:42:31

Highest Band Edge / 1 RB



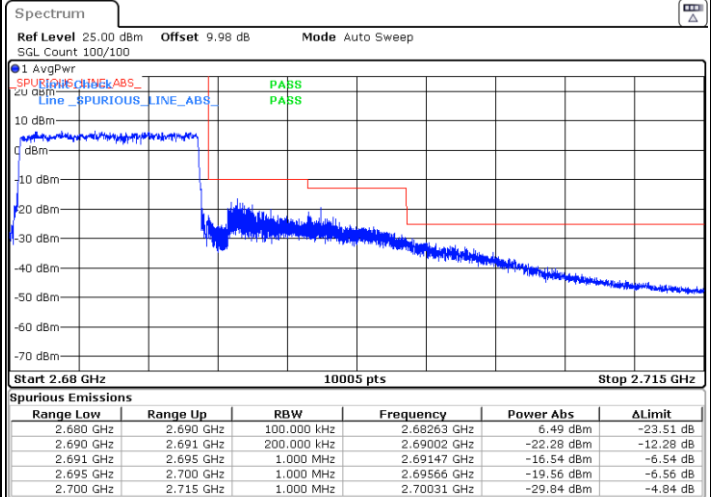
Date: 8.NOV.2022 01:57:16

Lowest Band Edge / Full RB



Date: 8.NOV.2022 03:10:51

Highest Band Edge / Full RB

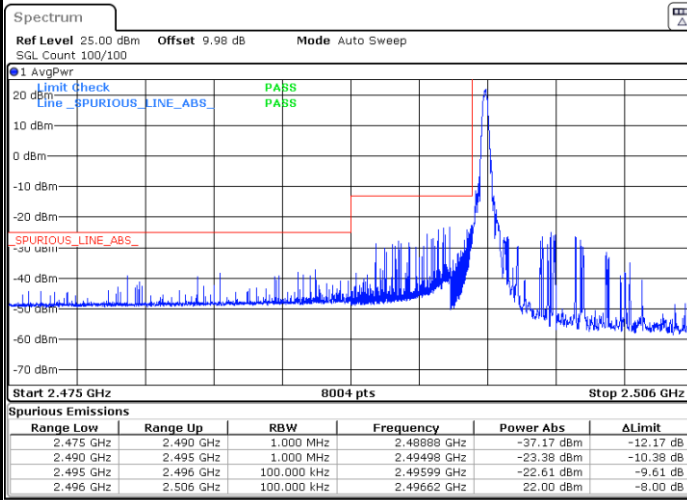


Date: 8.NOV.2022 02:02:45



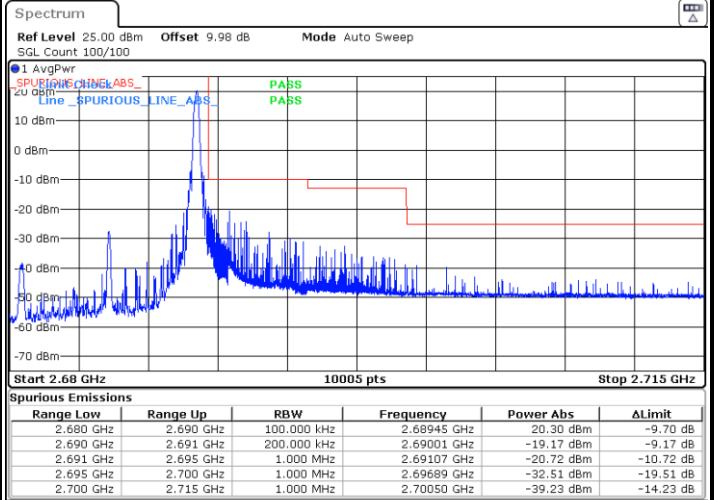
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



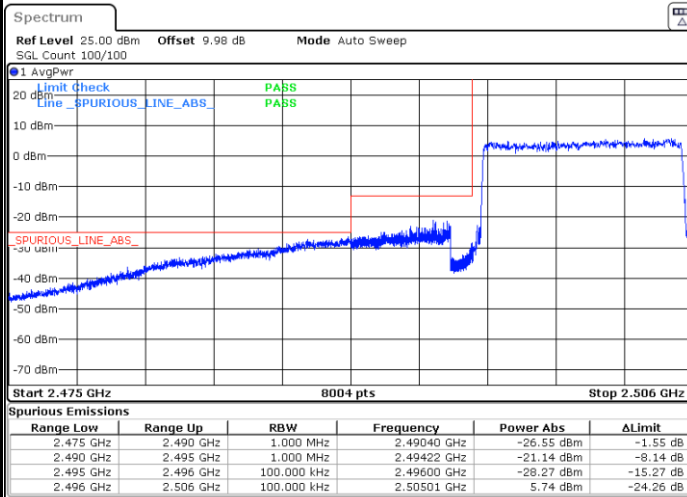
Date: 8.NOV.2022 01:43:51

Highest Band Edge / 1 RB



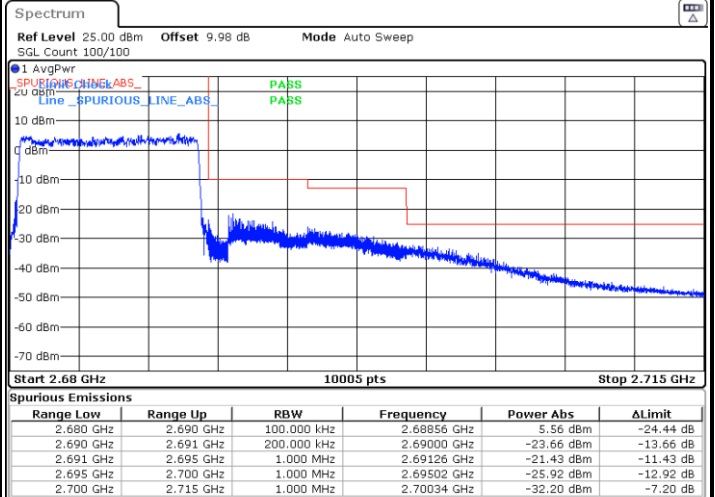
Date: 8.NOV.2022 01:58:38

Lowest Band Edge / Full RB



Date: 8.NOV.2022 01:49:17

Highest Band Edge / Full RB



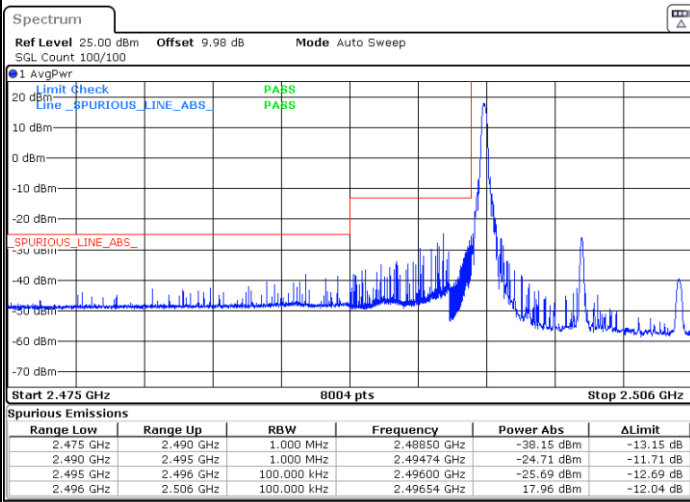
Date: 8.NOV.2022 02:04:06



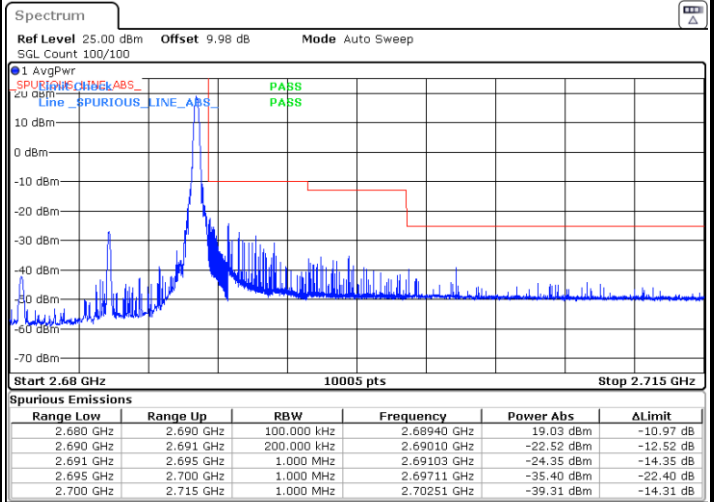
LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



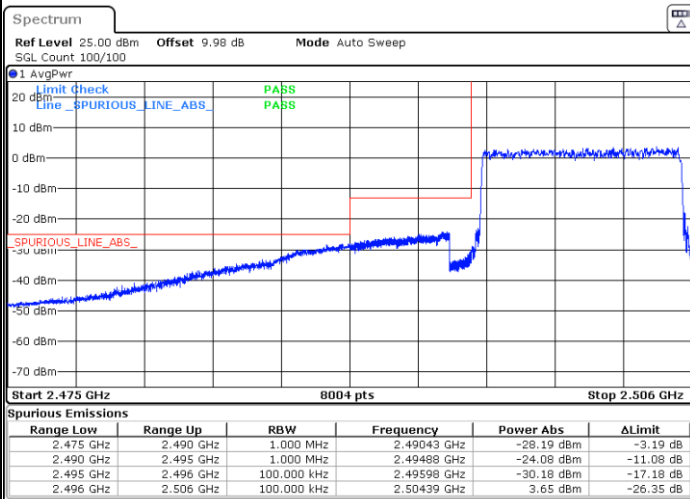
Date: 8.NOV.2022 01:45:13



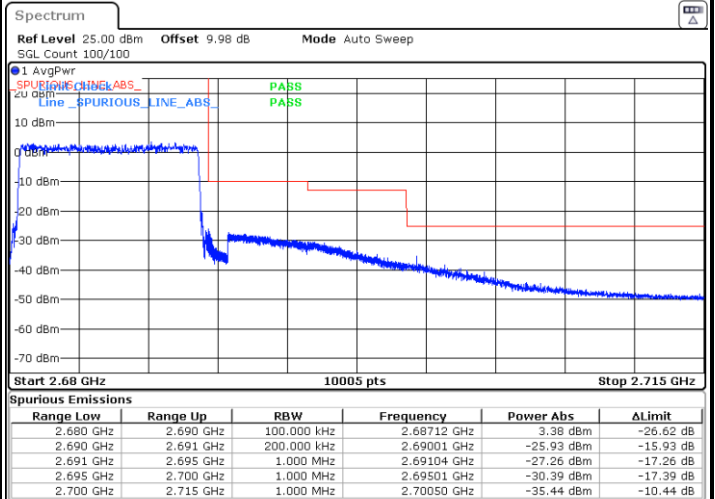
Date: 8.NOV.2022 01:59:59

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 01:50:38

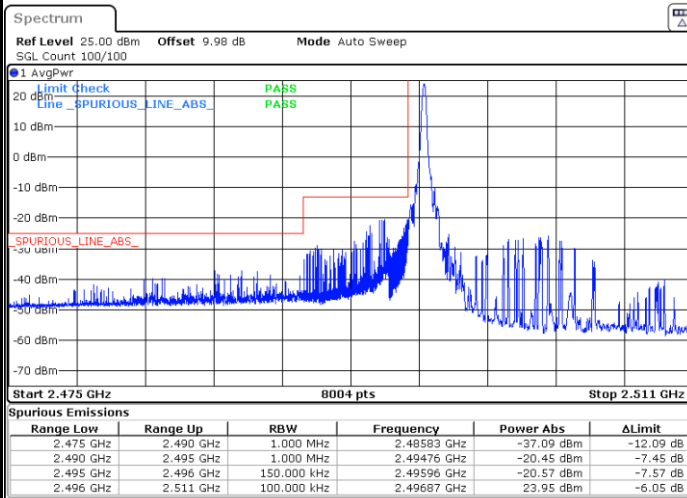


Date: 8.NOV.2022 02:05:26



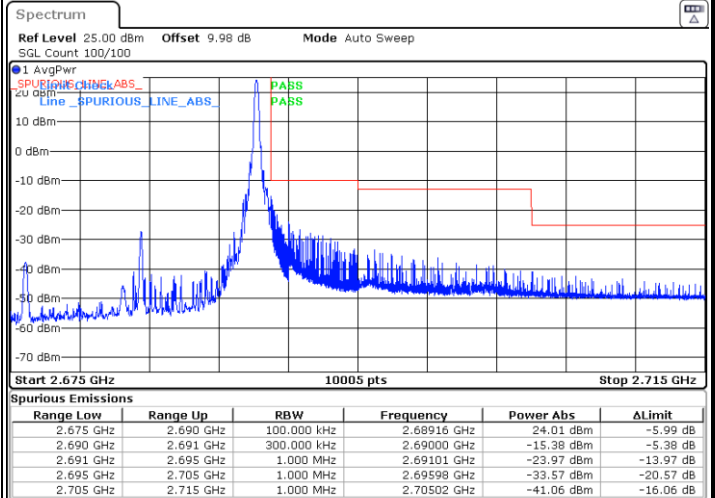
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



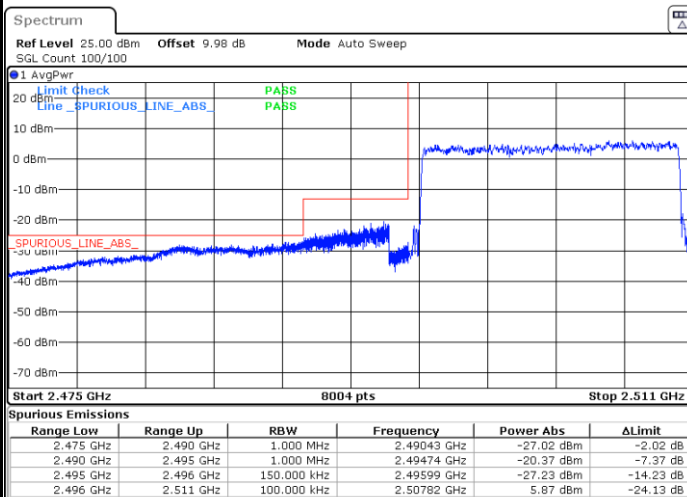
Date: 8.NOV.2022 02:09:01

Highest Band Edge / 1 RB



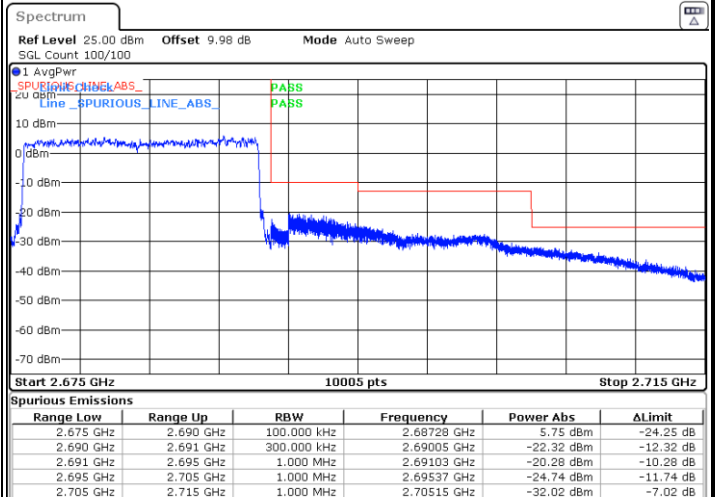
Date: 8.NOV.2022 02:23:46

Lowest Band Edge / Full RB



Date: 8.NOV.2022 02:14:26

Highest Band Edge / Full RB

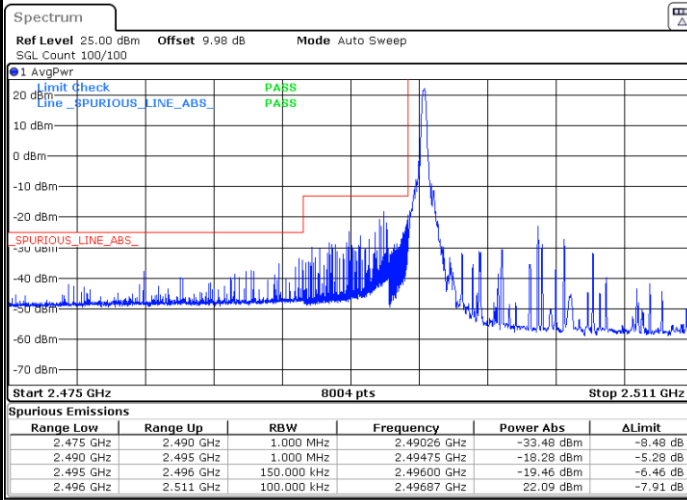


Date: 8.NOV.2022 02:29:13



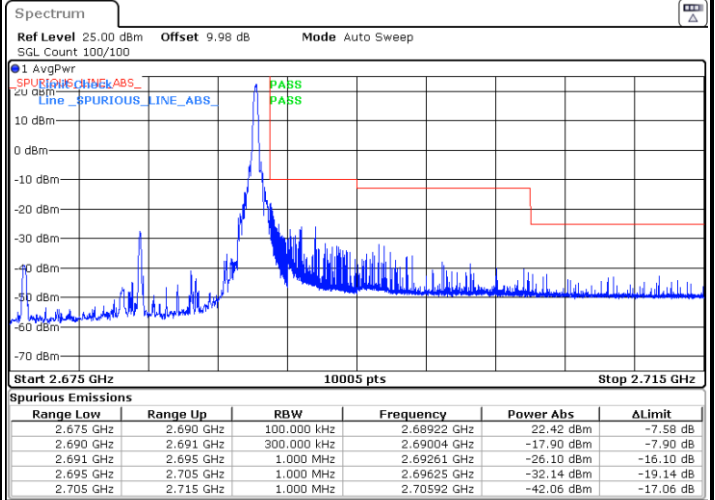
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



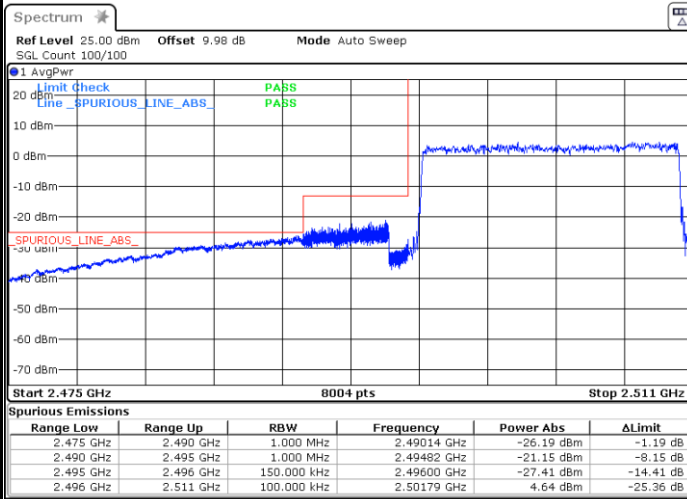
Date: 8.NOV.2022 02:10:21

Highest Band Edge / 1 RB



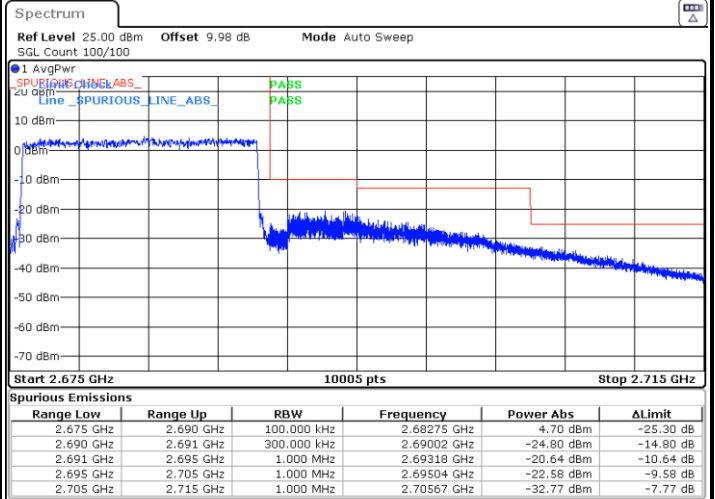
Date: 8.NOV.2022 02:25:08

Lowest Band Edge / Full RB



Date: 8.NOV.2022 03:06:00

Highest Band Edge / Full RB

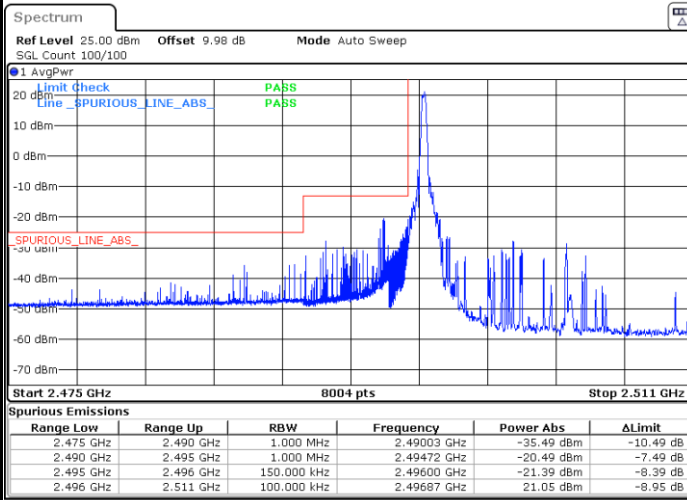


Date: 8.NOV.2022 02:30:35



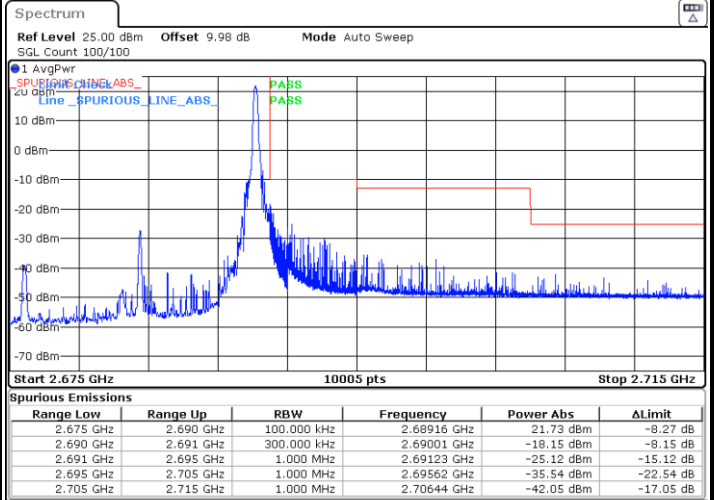
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



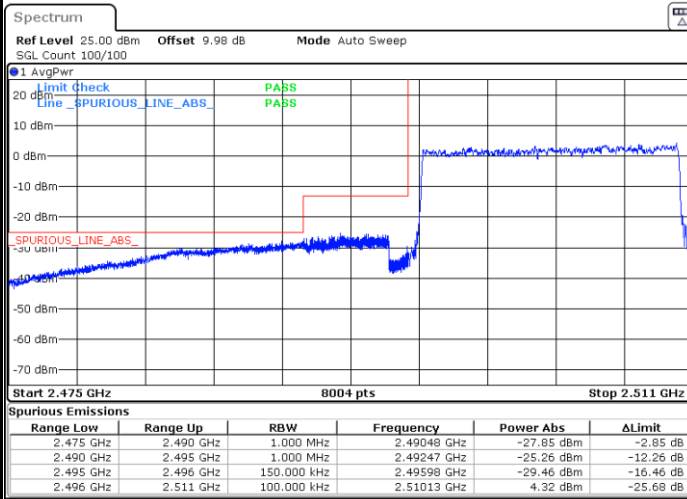
Date: 8.NOV.2022 02:11:42

Highest Band Edge / 1 RB



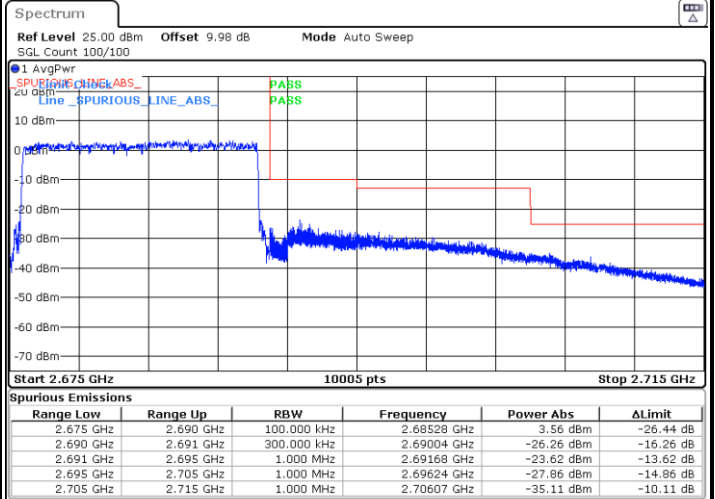
Date: 8.NOV.2022 02:26:28

Lowest Band Edge / Full RB



Date: 8.NOV.2022 02:17:10

Highest Band Edge / Full RB



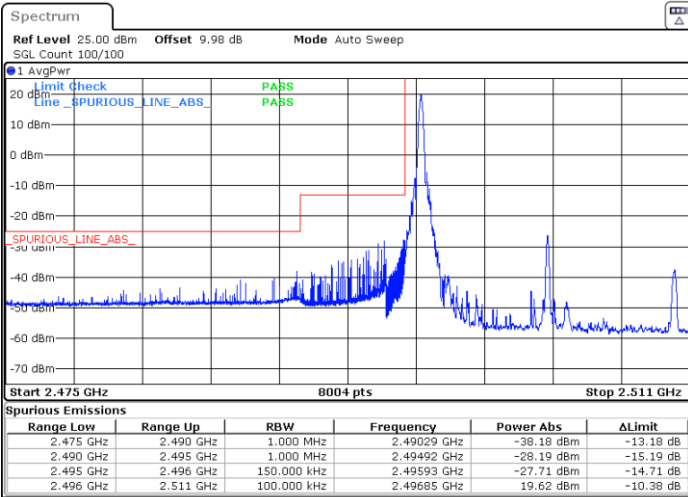
Date: 8.NOV.2022 02:31:56



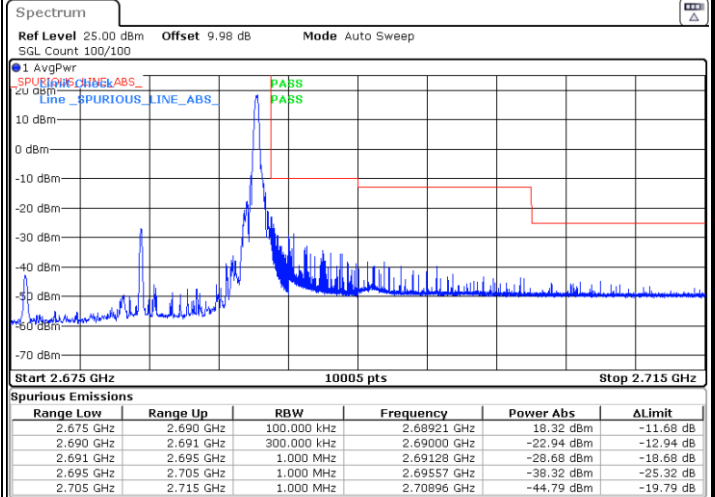
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



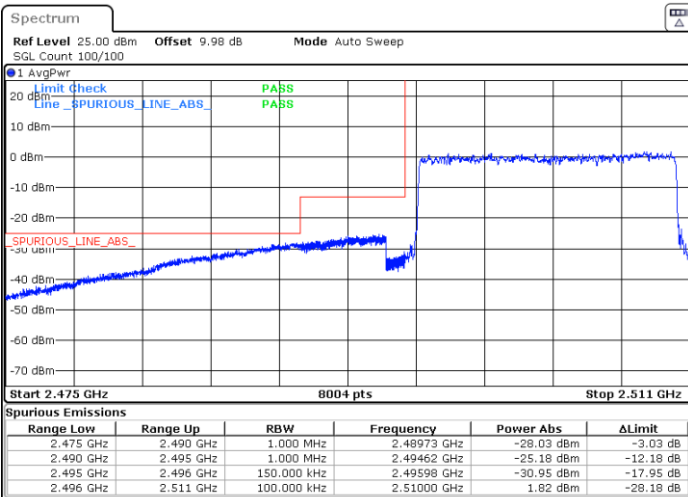
Date: 8.NOV.2022 02:13:02



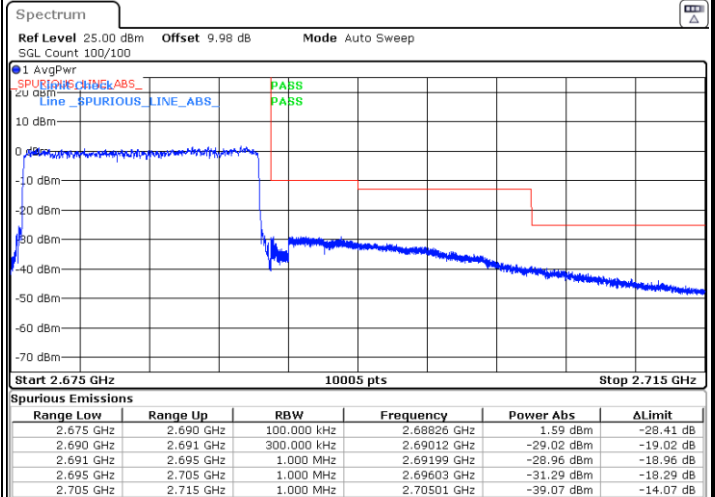
Date: 8.NOV.2022 02:27:50

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 02:18:30



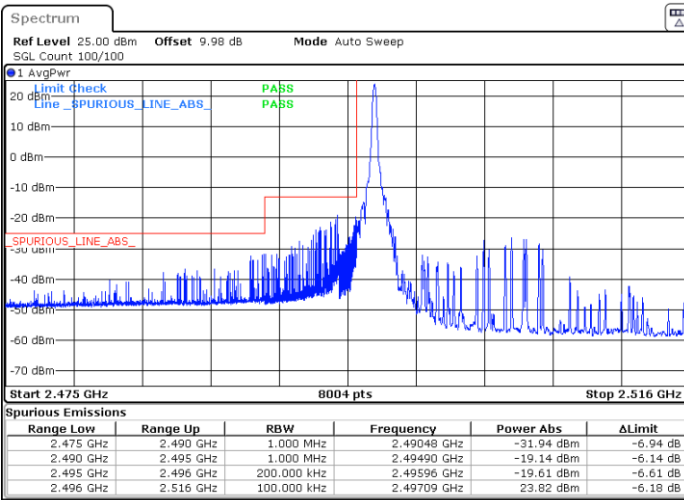
Date: 8.NOV.2022 02:33:16



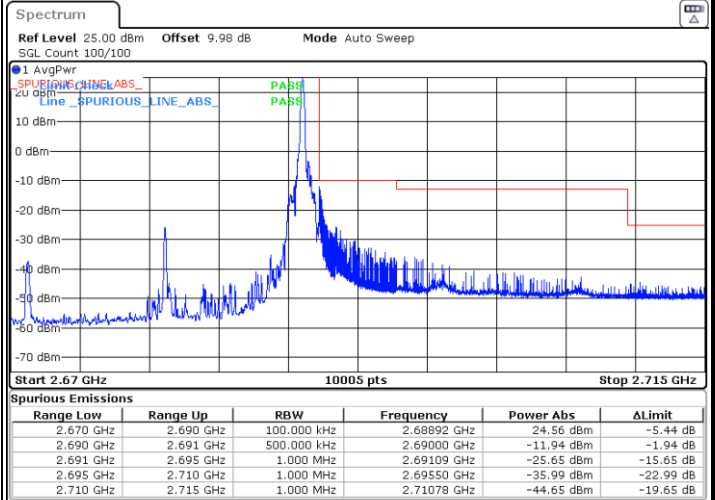
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



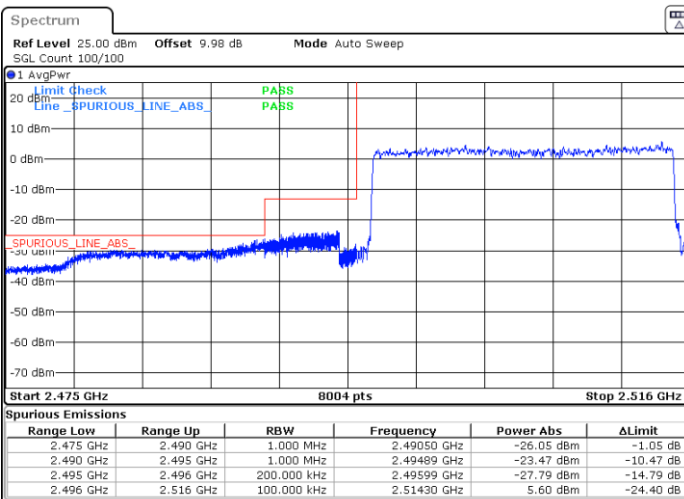
Date: 8.NOV.2022 02:36:03



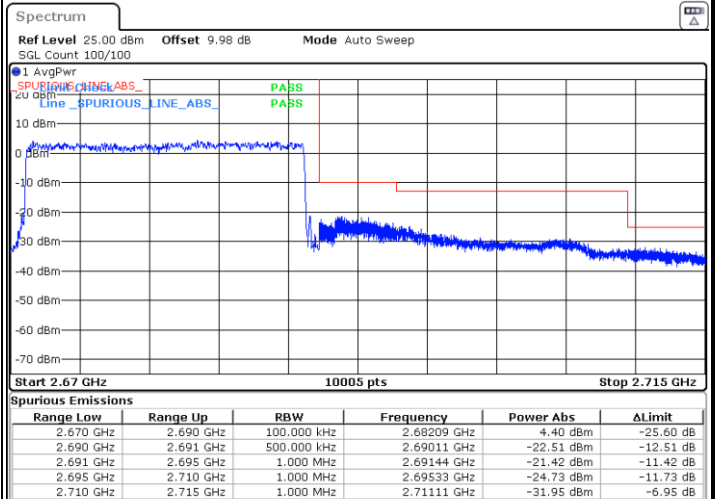
Date: 8.NOV.2022 02:50:49

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.NOV.2022 02:41:28

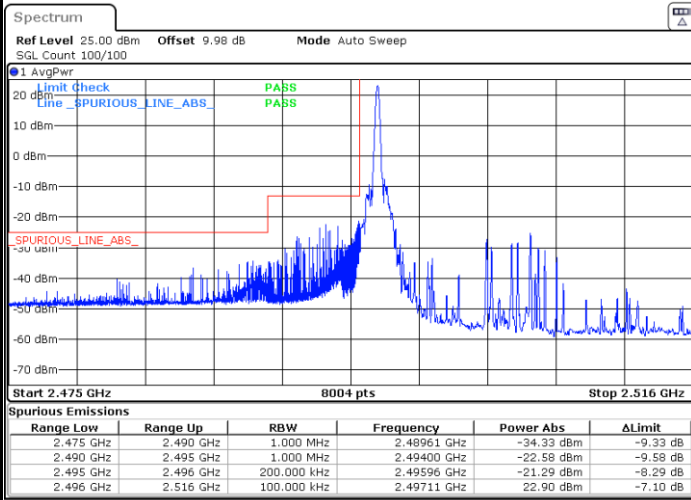


Date: 8.NOV.2022 02:56:14



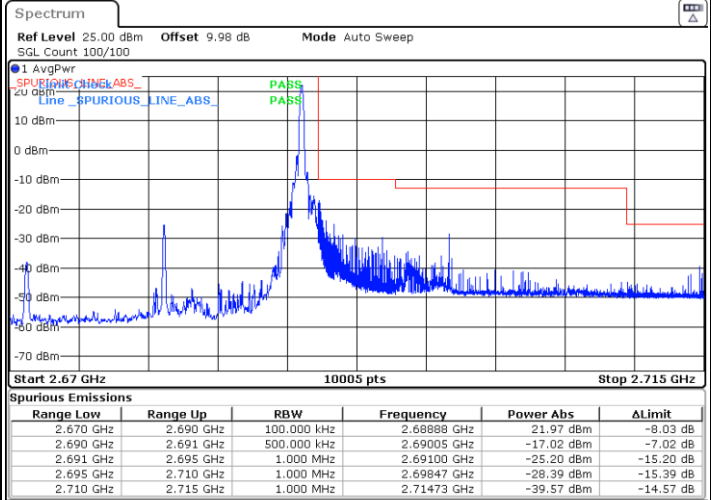
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



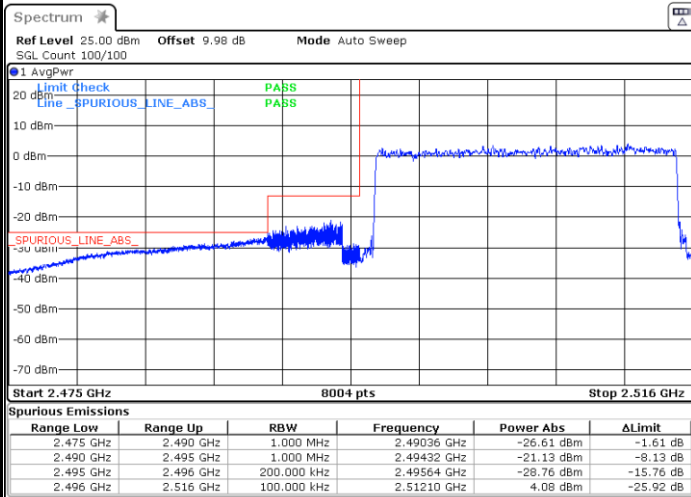
Date: 8.NOV.2022 02:37:23

Highest Band Edge / 1 RB



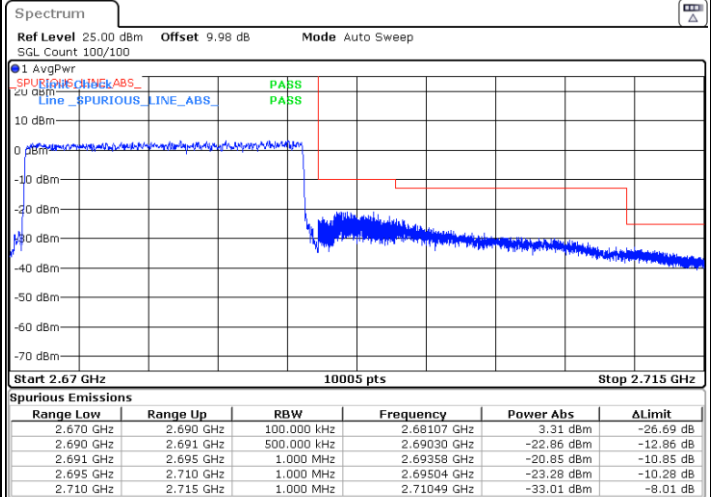
Date: 8.NOV.2022 02:52:10

Lowest Band Edge / Full RB



Date: 8.NOV.2022 03:02:29

Highest Band Edge / Full RB

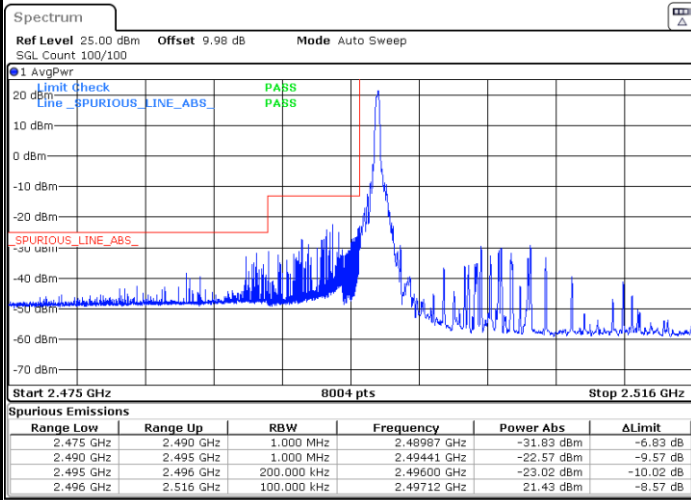


Date: 8.NOV.2022 02:57:36



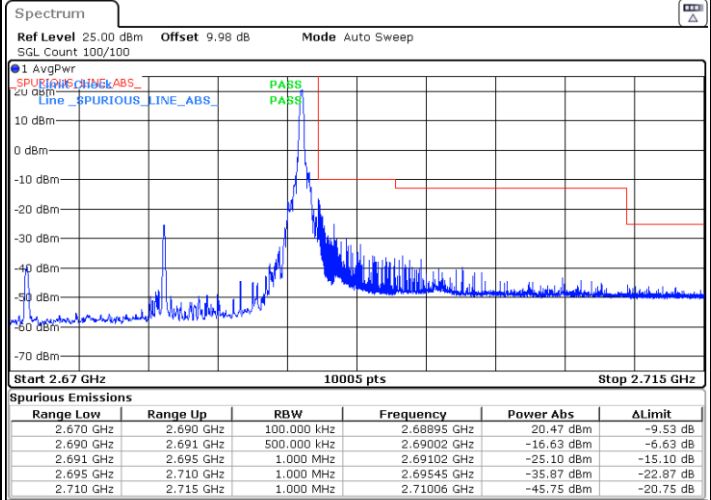
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



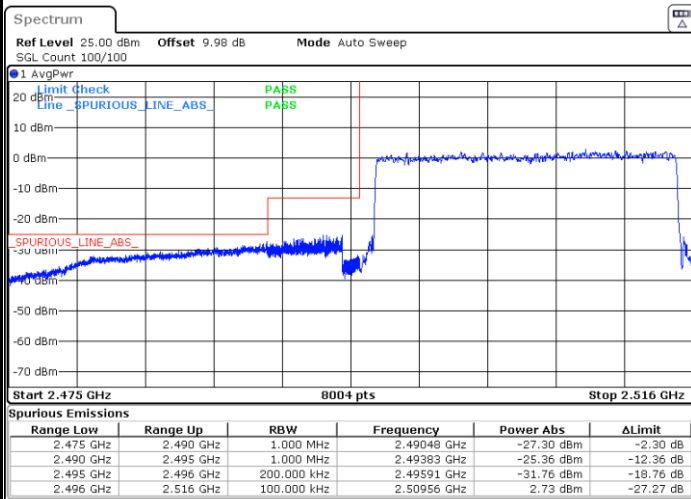
Date: 8.NOV.2022 02:38:44

Highest Band Edge / 1 RB



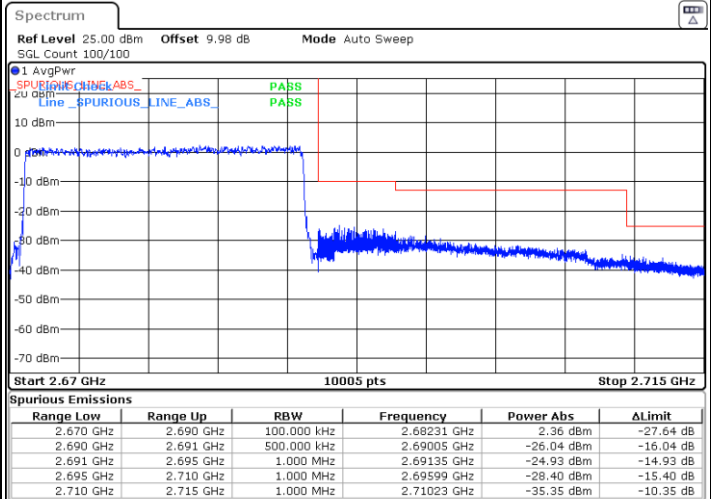
Date: 8.NOV.2022 02:53:31

Lowest Band Edge / Full RB



Date: 8.NOV.2022 02:44:12

Highest Band Edge / Full RB

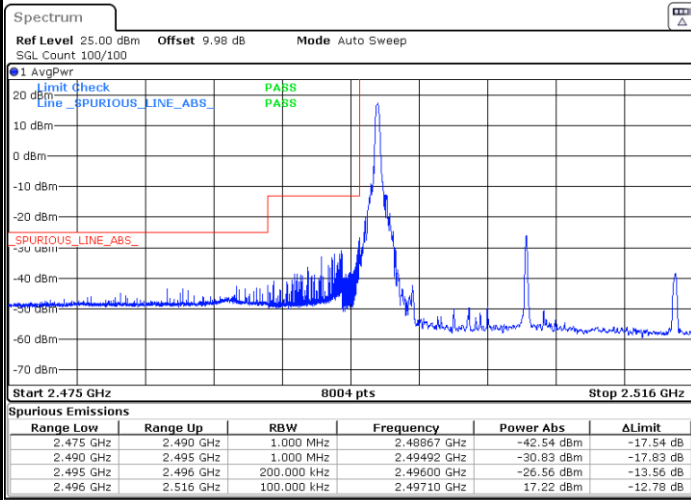


Date: 8.NOV.2022 02:58:56



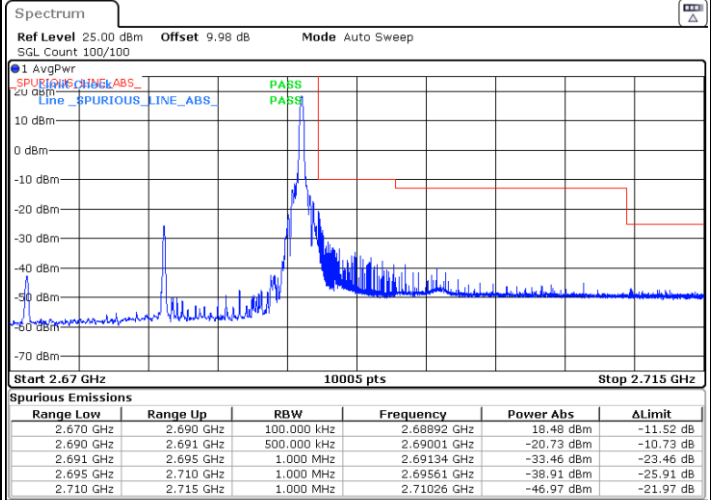
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



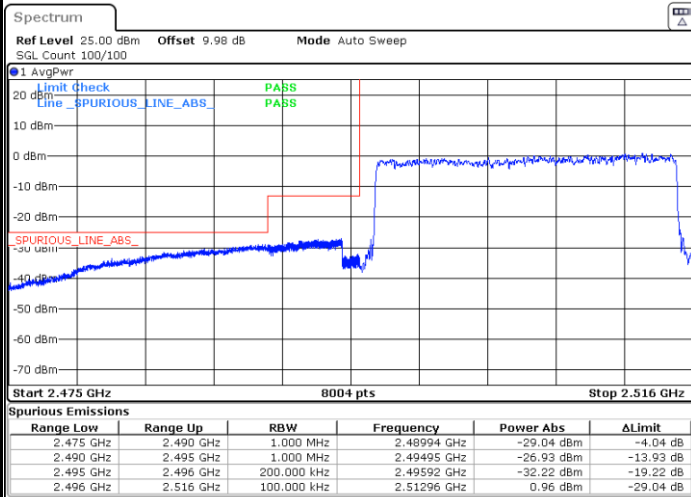
Date: 8.NOV.2022 02:40:04

Highest Band Edge / 1 RB



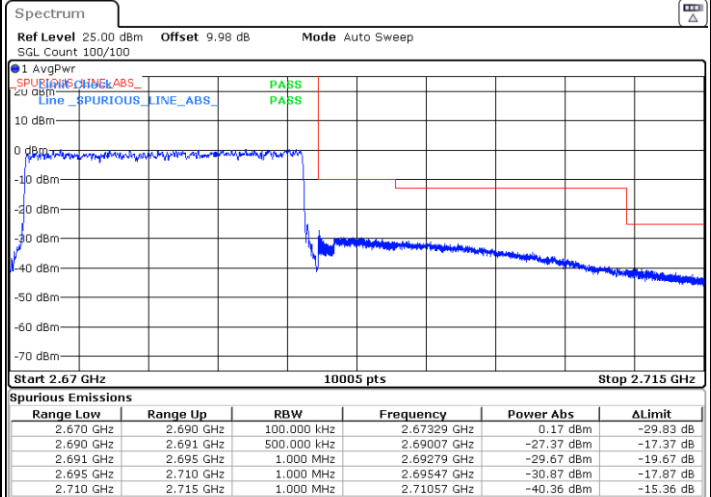
Date: 8.NOV.2022 02:54:51

Lowest Band Edge / Full RB



Date: 8.NOV.2022 02:45:33

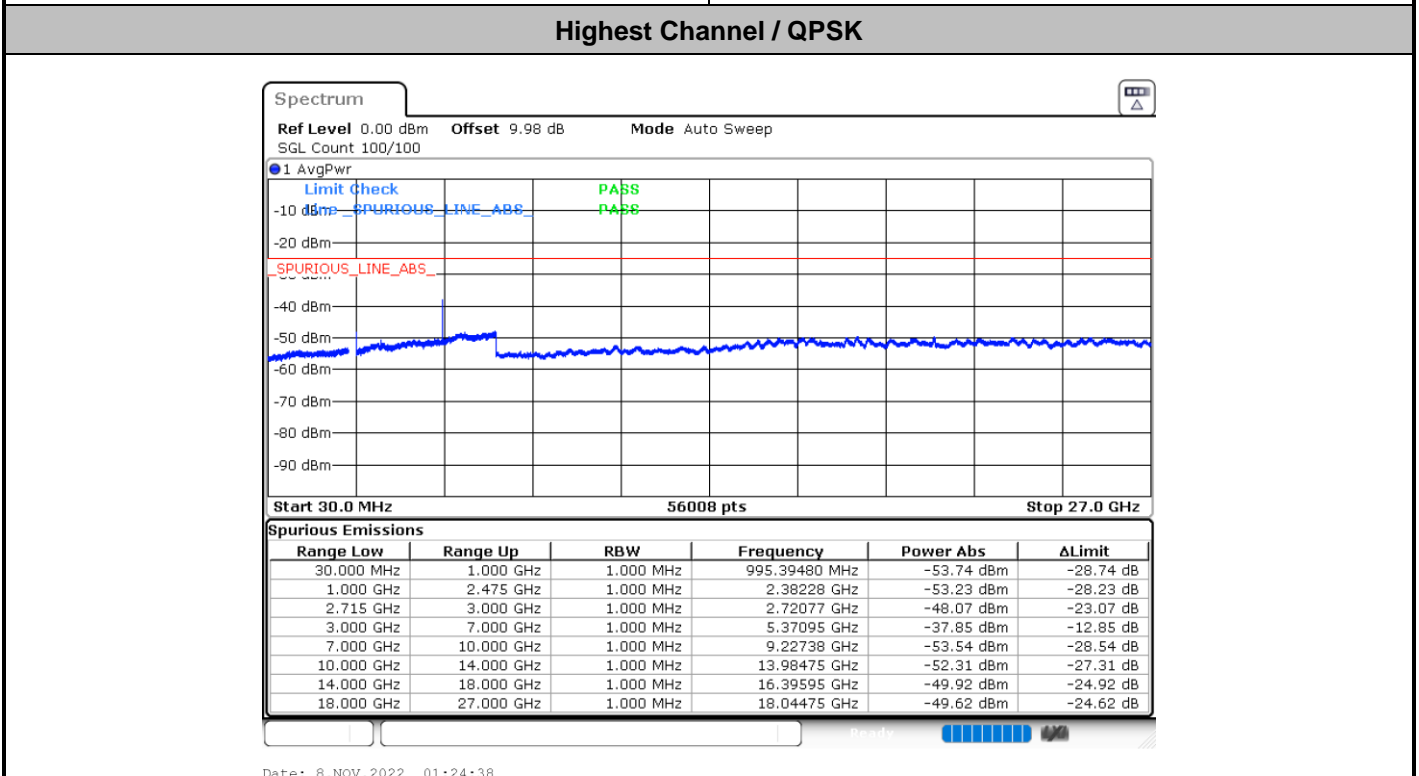
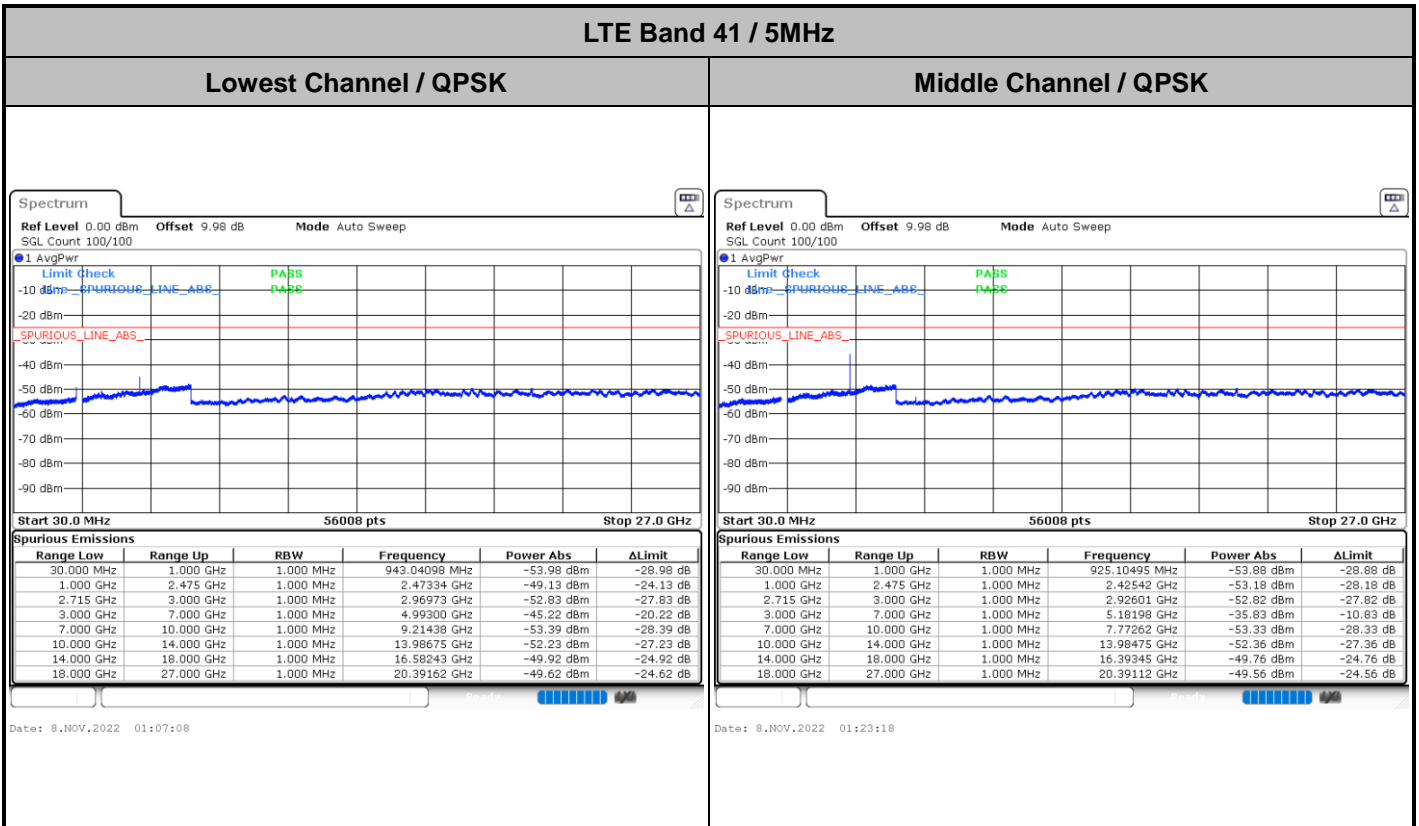
Highest Band Edge / Full RB



Date: 8.NOV.2022 03:00:17



Conducted Spurious Emission

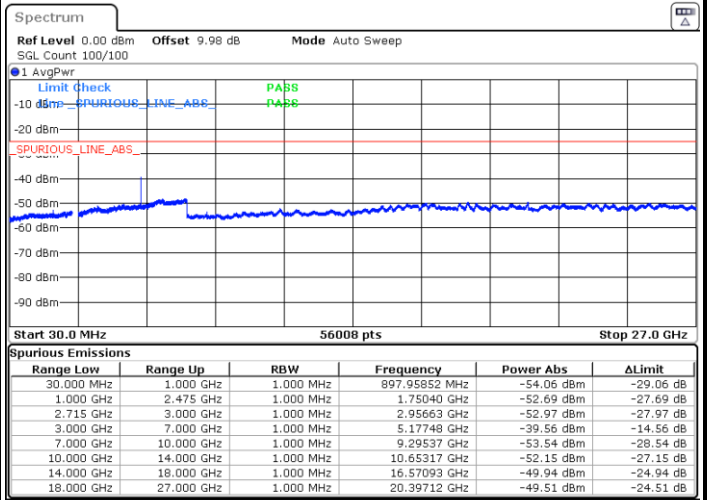
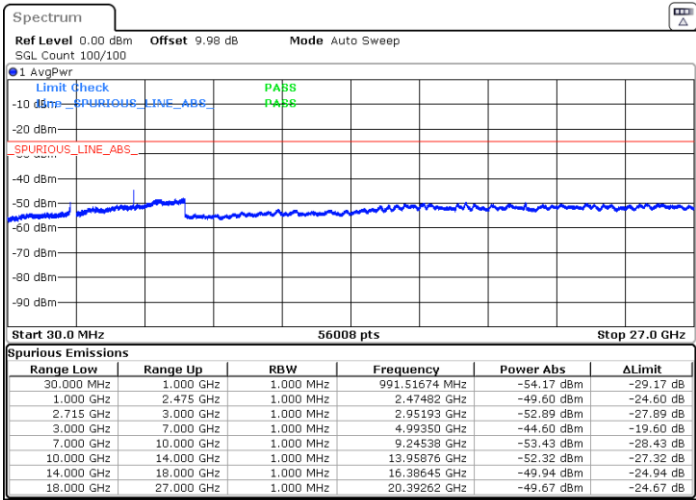




LTE Band 41 / 10MHz

Lowest Channel / QPSK

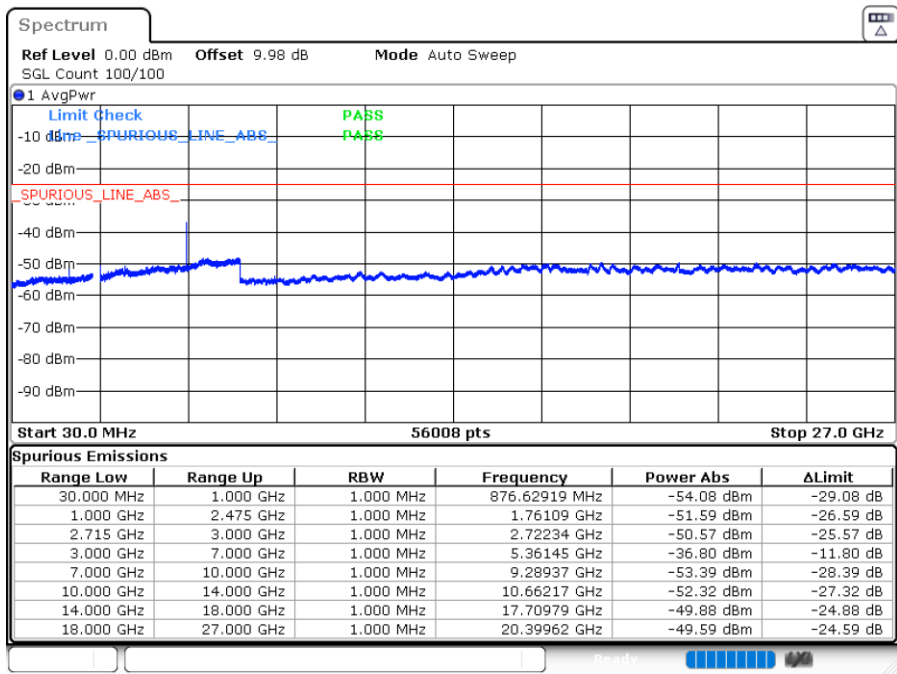
Middle Channel / QPSK



Date: 8.NOV.2022 01:39:46

Date: 8.NOV.2022 01:53:14

Highest Channel / QPSK

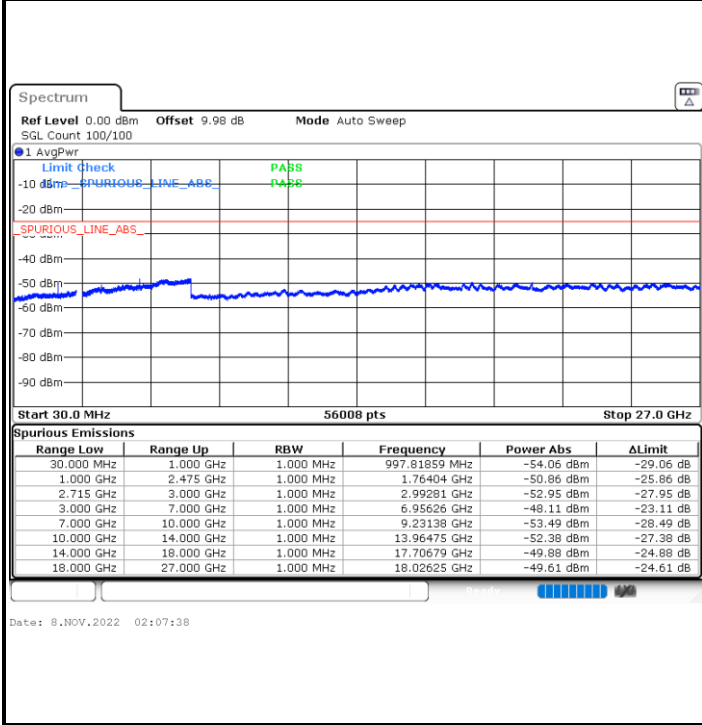


Date: 8.NOV.2022 01:54:34

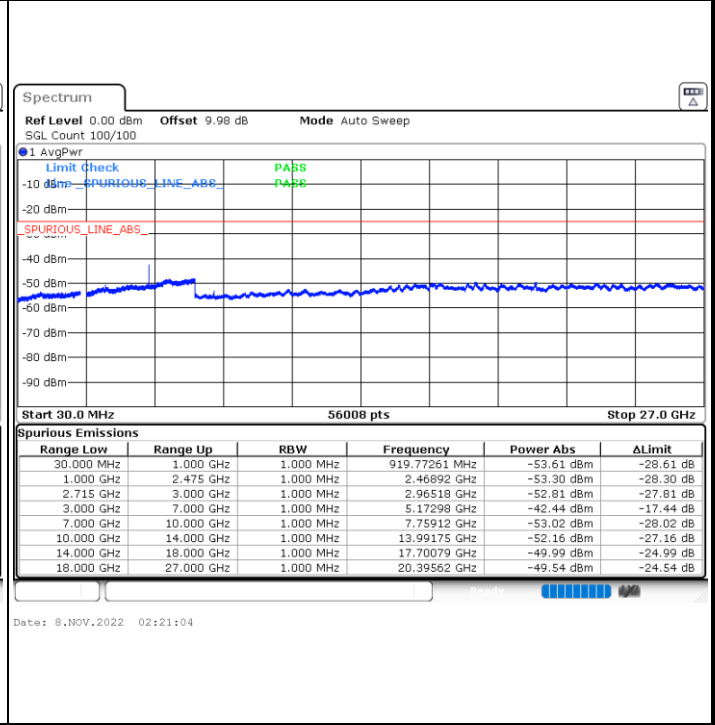


LTE Band 41 / 15MHz

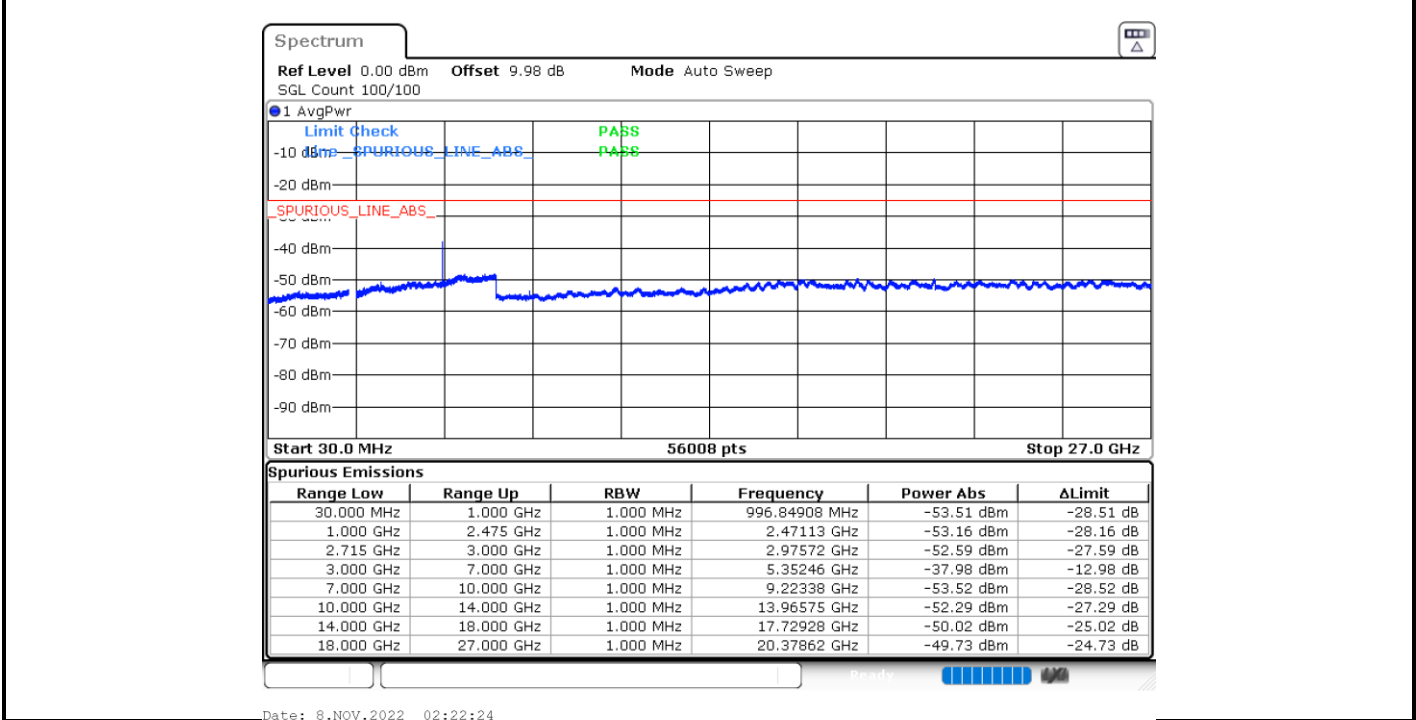
Lowest Channel / QPSK



Middle Channel / QPSK



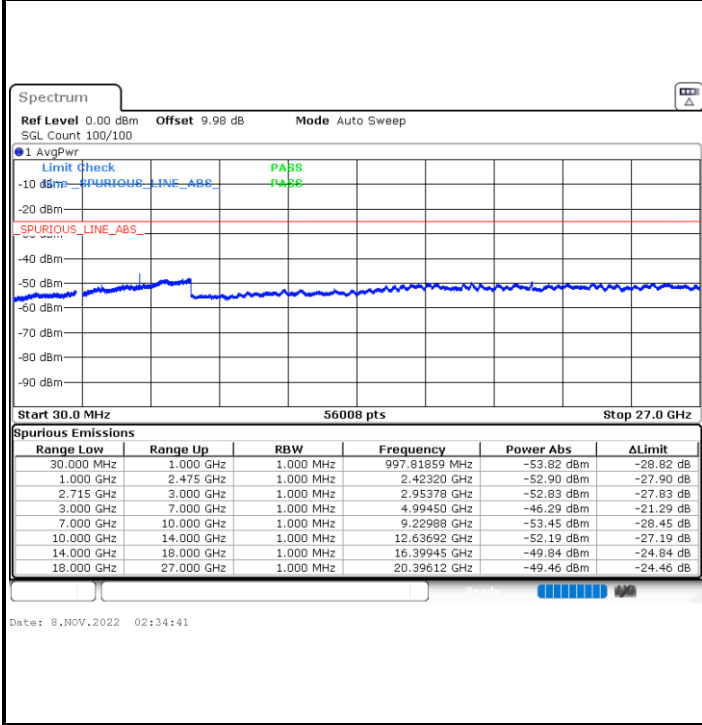
Highest Channel / QPSK



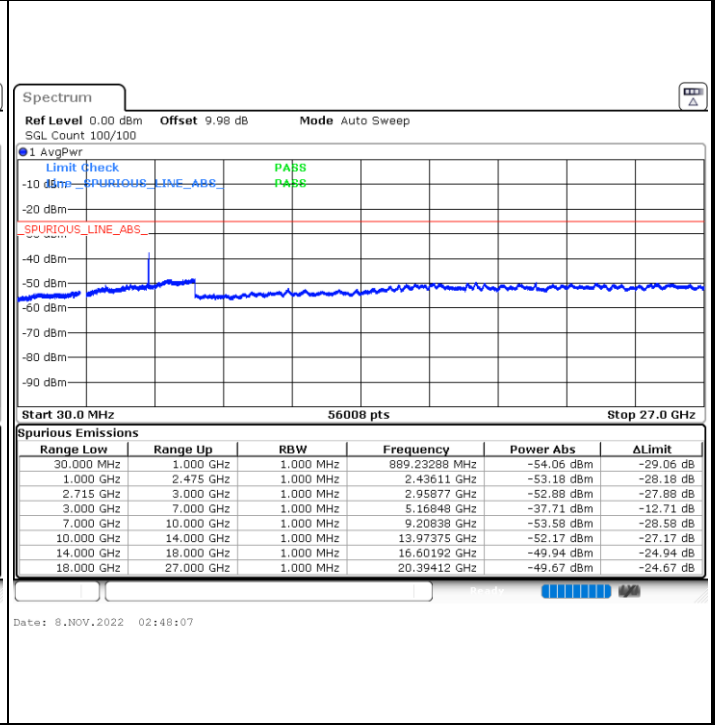


LTE Band 41 / 20MHz

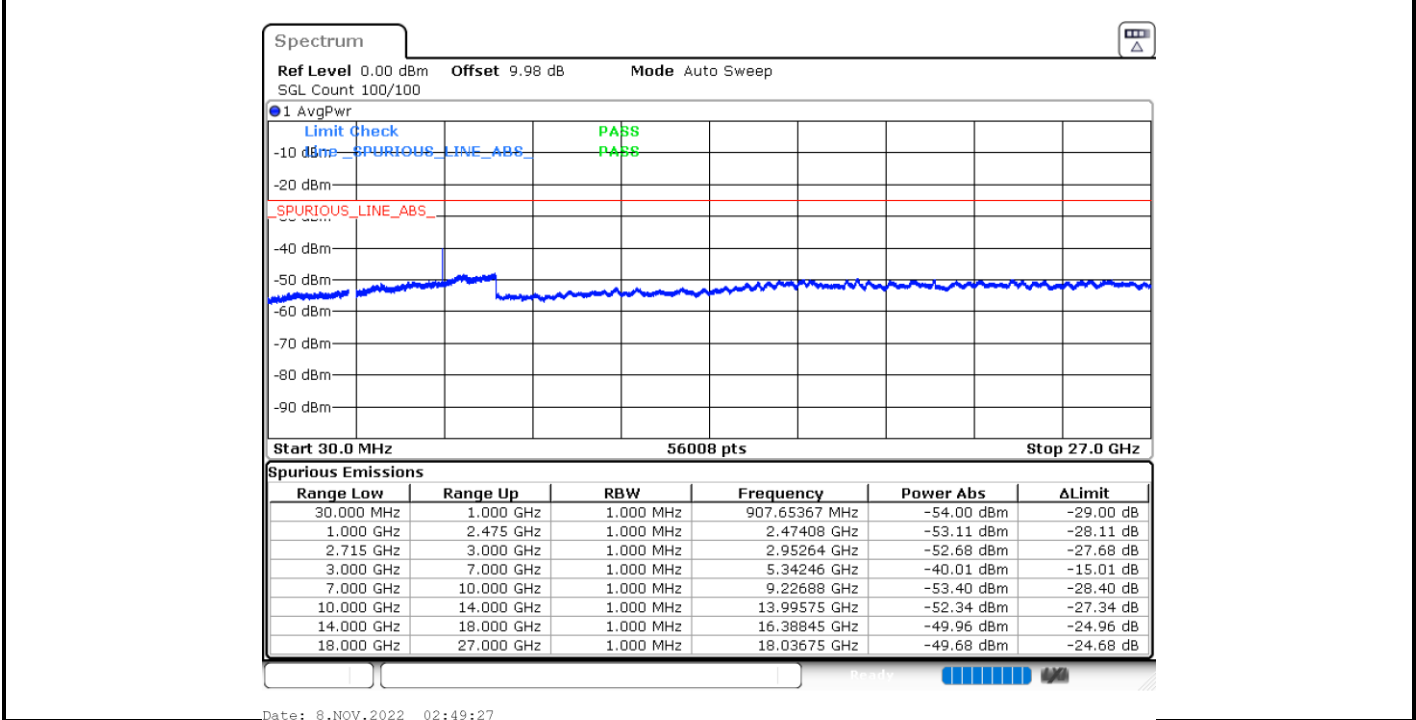
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





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	0.0023	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.