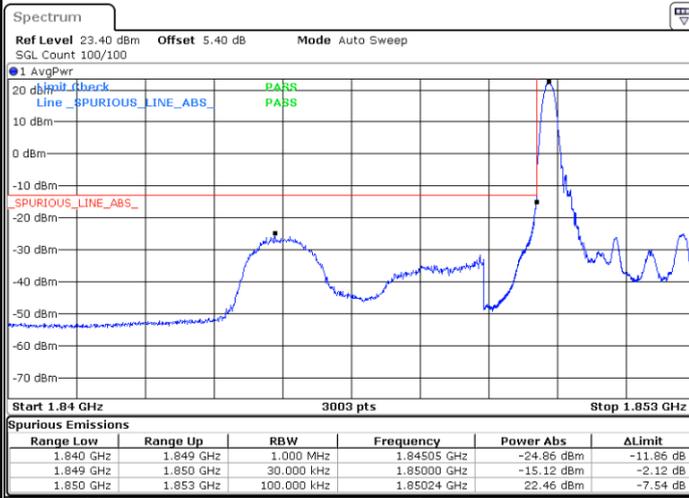




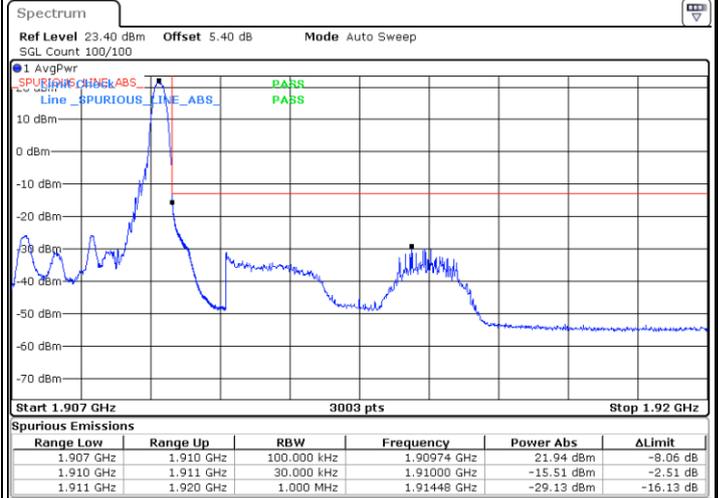
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



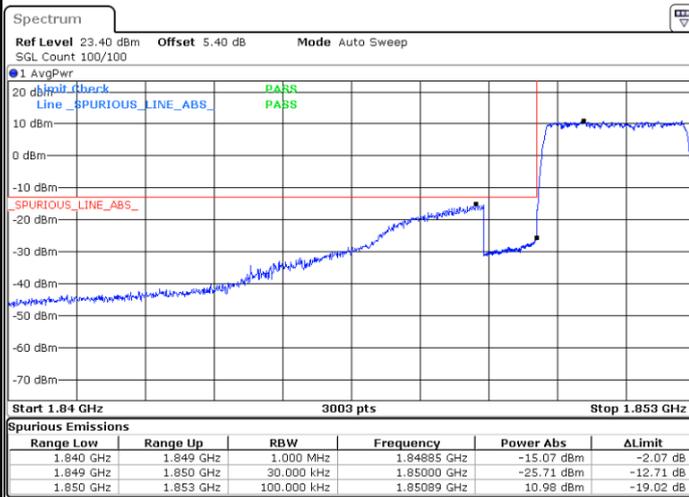
Date: 20 AUG 2021 13:54:44

Highest Band Edge / 1 RB



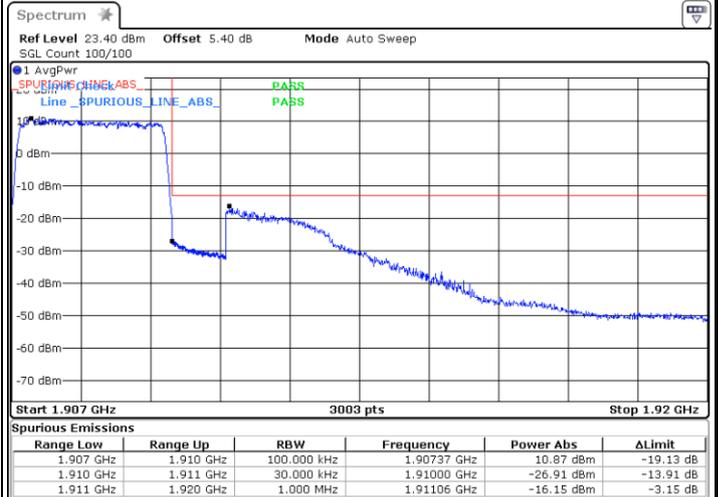
Date: 20 AUG 2021 14:06:08

Lowest Band Edge / Full RB



Date: 20 AUG 2021 14:50:42

Highest Band Edge / Full RB

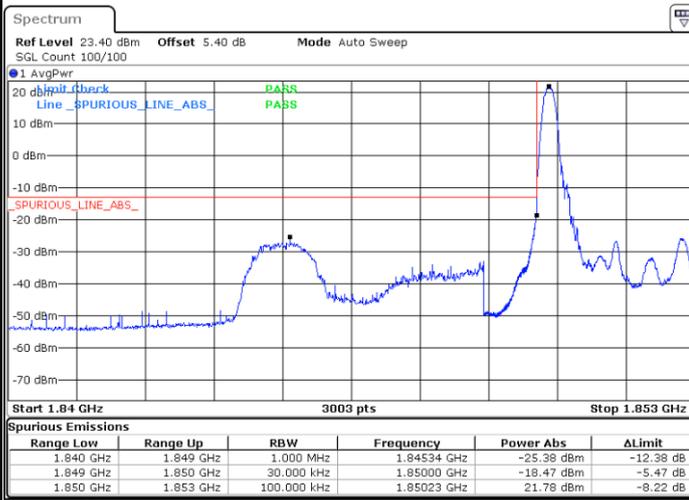


Date: 20 AUG 2021 14:47:51



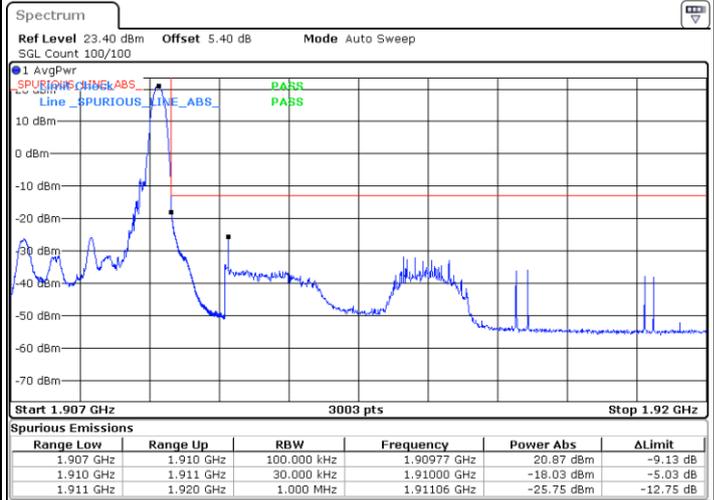
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



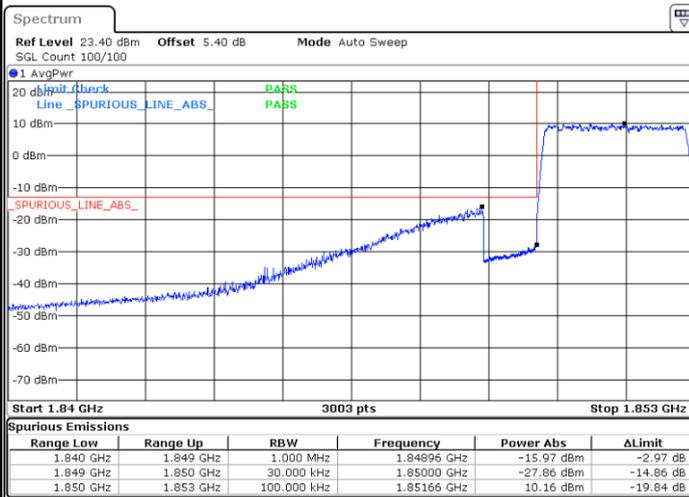
Date: 20 AUG 2021 13:55:33

Highest Band Edge / 1 RB



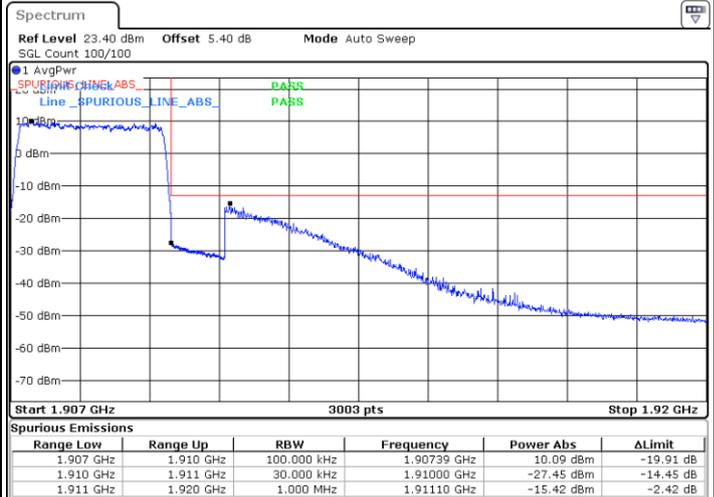
Date: 20 AUG 2021 14:06:57

Lowest Band Edge / Full RB



Date: 20 AUG 2021 13:59:11

Highest Band Edge / Full RB

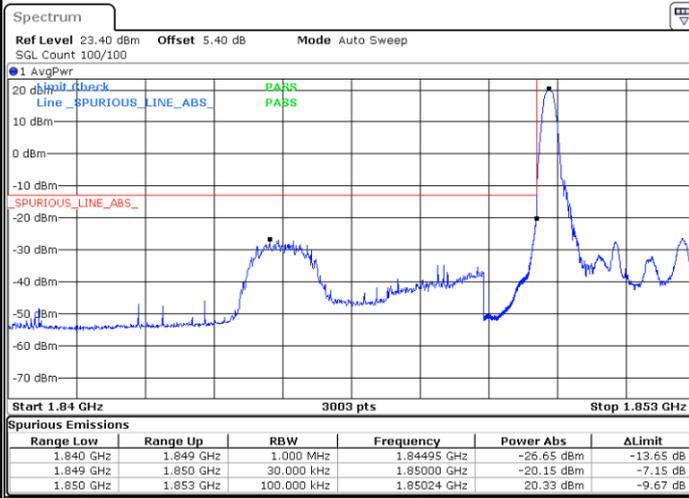


Date: 20 AUG 2021 14:10:35



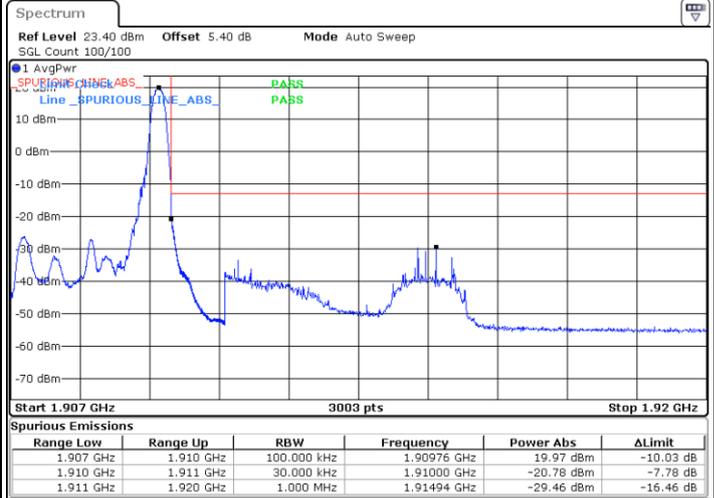
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



Date: 20 AUG 2021 13:56:53

Highest Band Edge / 1 RB



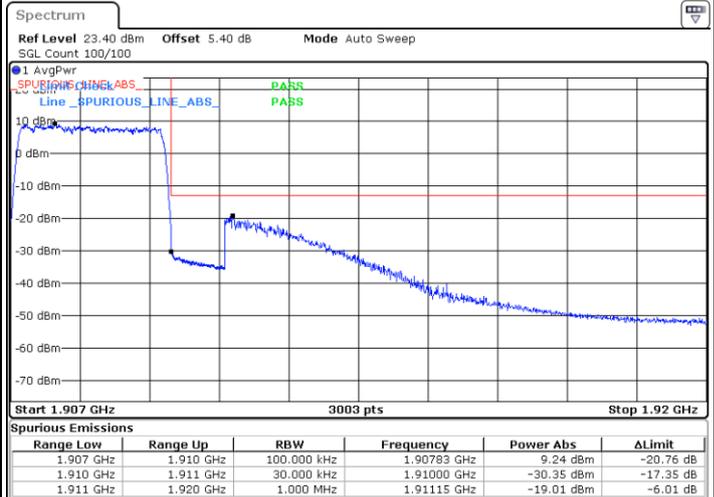
Date: 20 AUG 2021 14:08:17

Lowest Band Edge / Full RB



Date: 20 AUG 2021 13:58:15

Highest Band Edge / Full RB

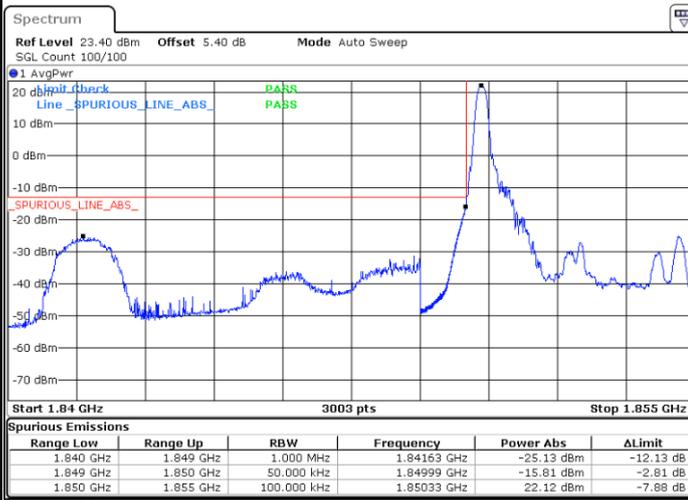


Date: 20 AUG 2021 14:09:39



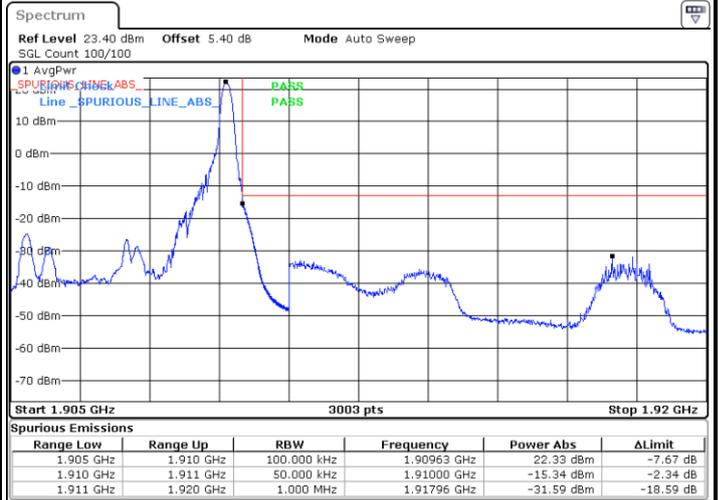
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



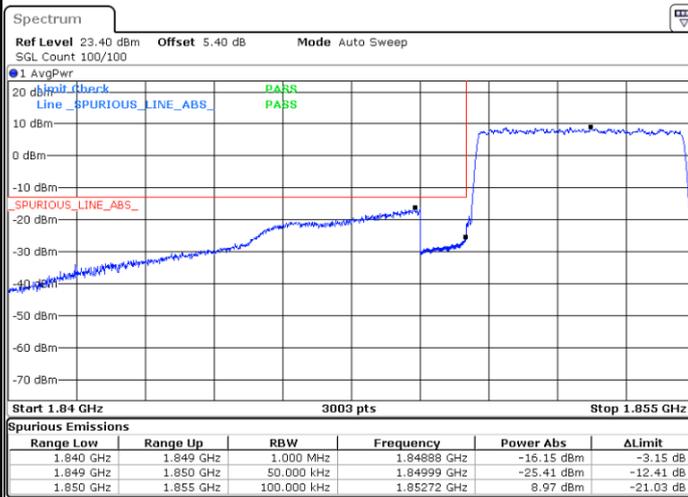
Date: 20 AUG 2021 14:18:04

Highest Band Edge / 1 RB



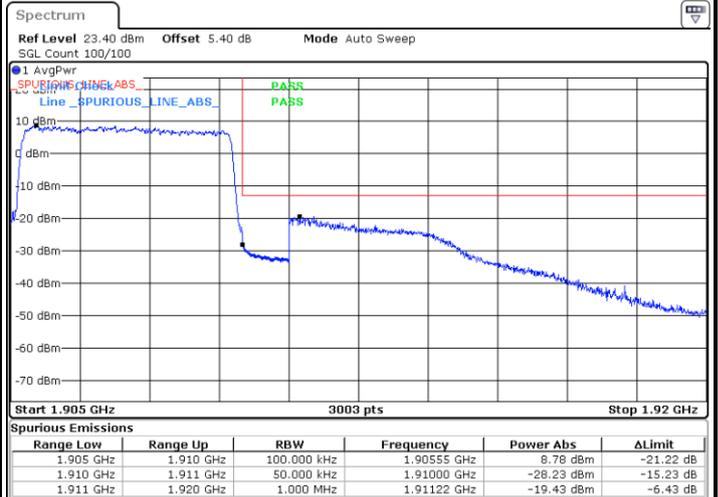
Date: 20 AUG 2021 14:27:18

Lowest Band Edge / Full RB



Date: 20 AUG 2021 14:22:48

Highest Band Edge / Full RB

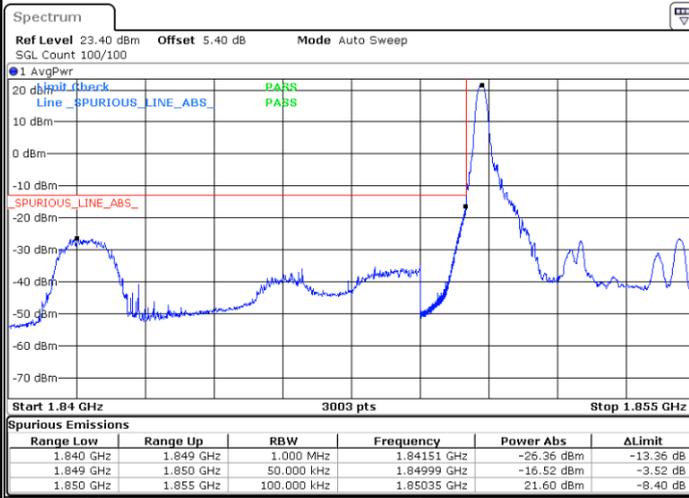


Date: 20 AUG 2021 14:31:47



LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



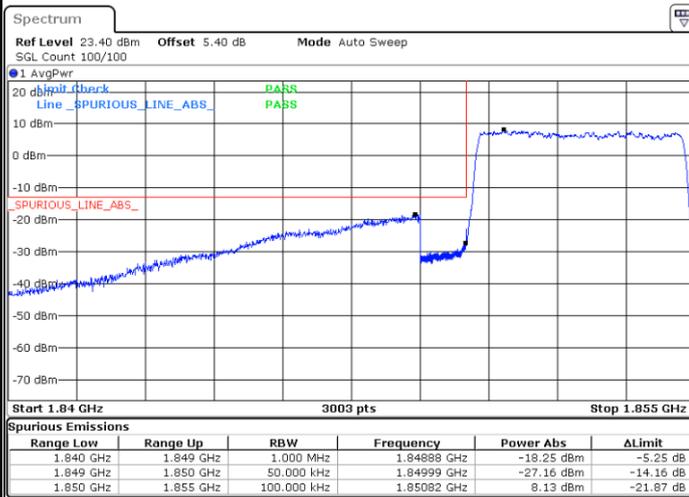
Date: 20 AUG 2021 14:19:09

Highest Band Edge / 1 RB



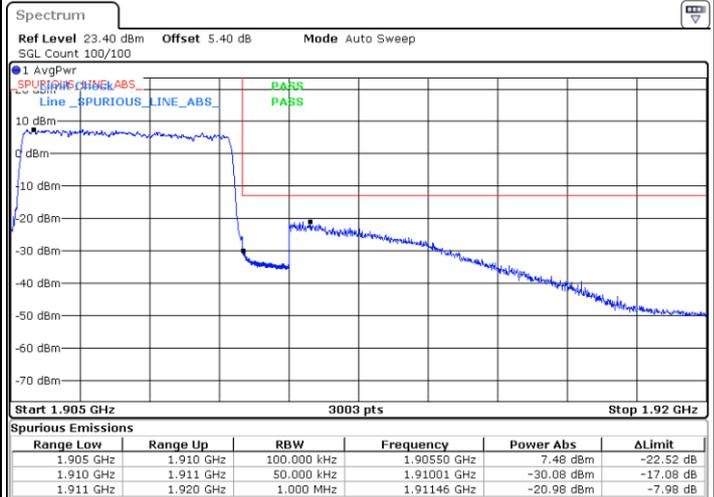
Date: 20 AUG 2021 14:28:22

Lowest Band Edge / Full RB



Date: 20 AUG 2021 14:21:50

Highest Band Edge / Full RB

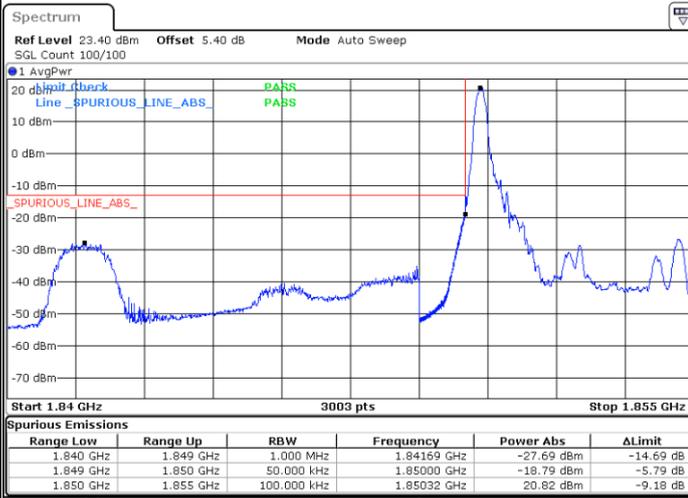


Date: 20 AUG 2021 14:31:10



LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



Date: 20 AUG 2021 14:20:07

Highest Band Edge / 1 RB



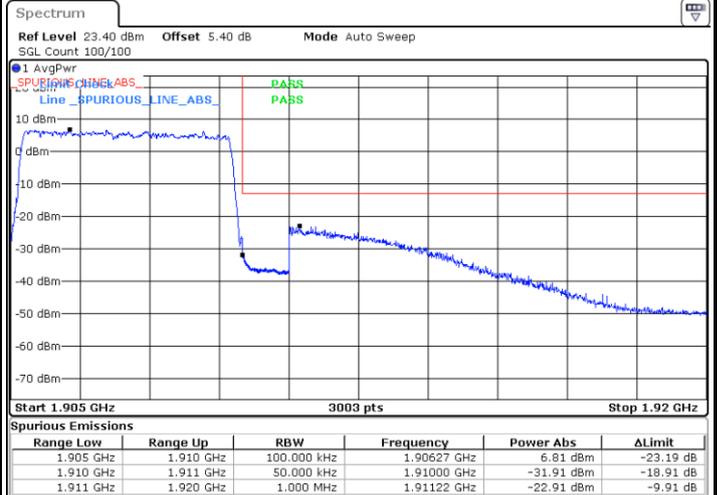
Date: 20 AUG 2021 14:28:55

Lowest Band Edge / Full RB



Date: 20 AUG 2021 14:21:14

Highest Band Edge / Full RB

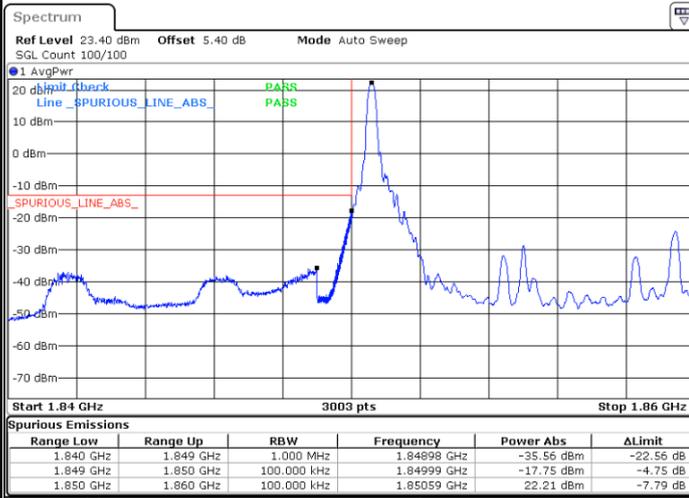


Date: 20 AUG 2021 14:30:32



LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



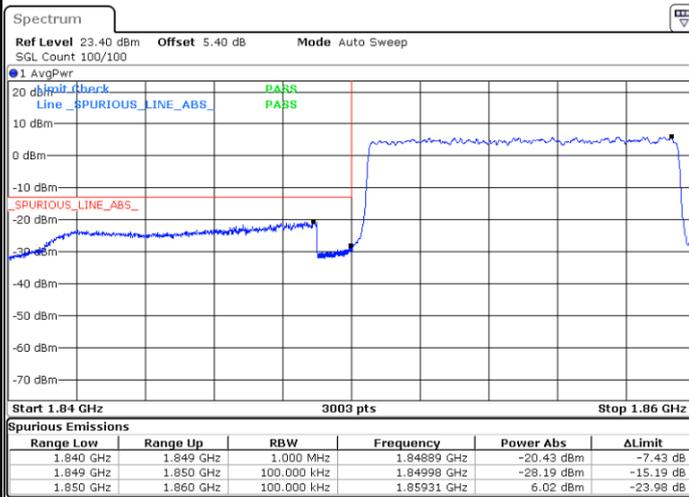
Date: 20 AUG 2021 14:33:26

Highest Band Edge / 1 RB



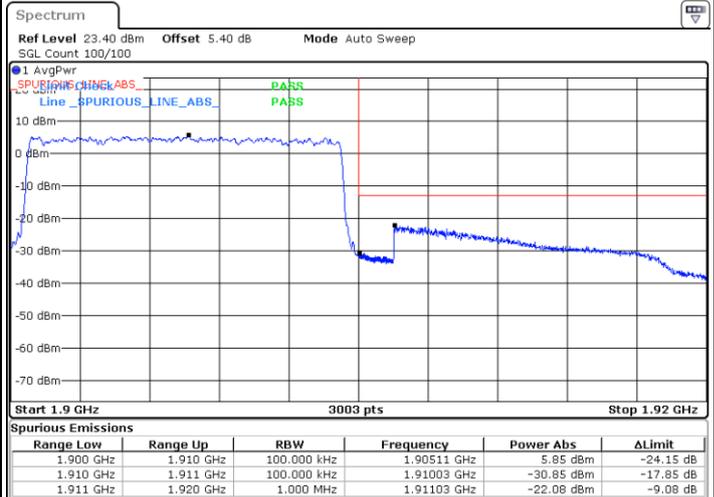
Date: 20 AUG 2021 14:54:18

Lowest Band Edge / Full RB



Date: 20 AUG 2021 14:36:55

Highest Band Edge / Full RB

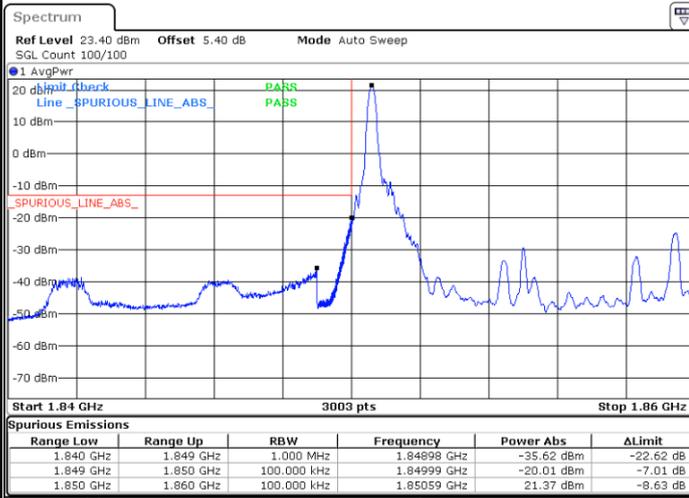


Date: 20 AUG 2021 14:55:25



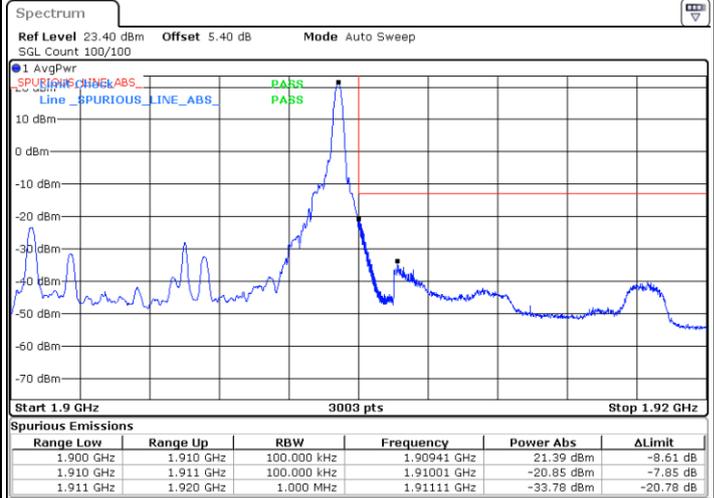
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



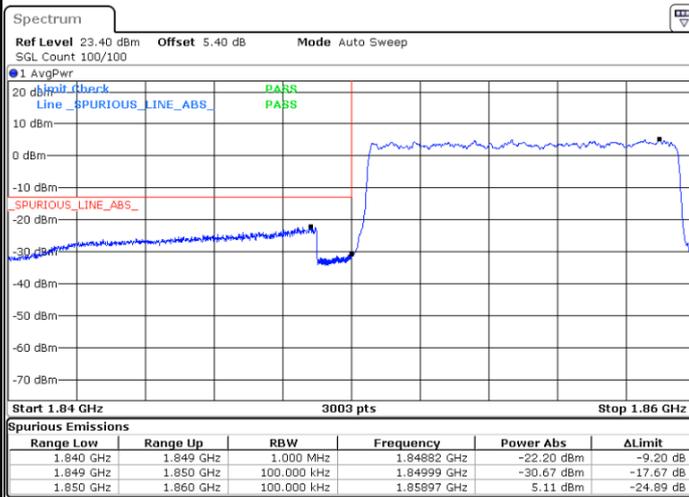
Date: 20 AUG 2021 14:34:01

Highest Band Edge / 1 RB



Date: 20 AUG 2021 14:45:56

Lowest Band Edge / Full RB



Date: 20 AUG 2021 14:36:18

Highest Band Edge / Full RB

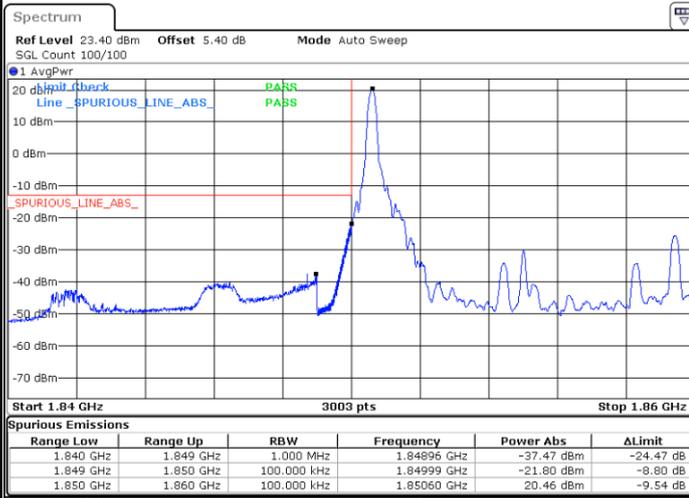


Date: 20 AUG 2021 14:56:30



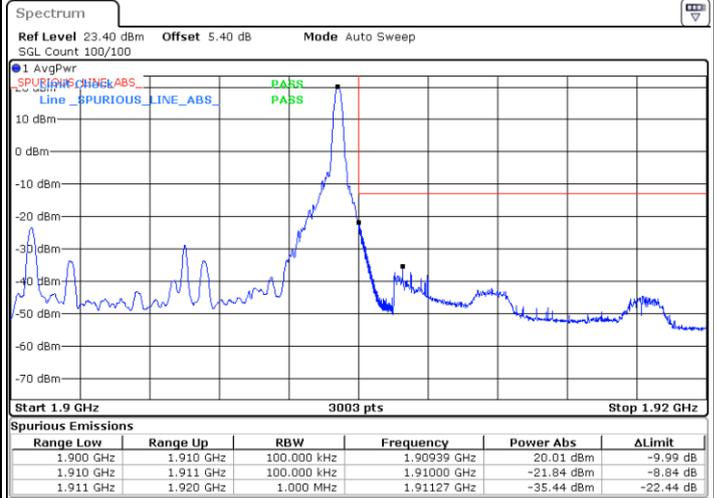
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



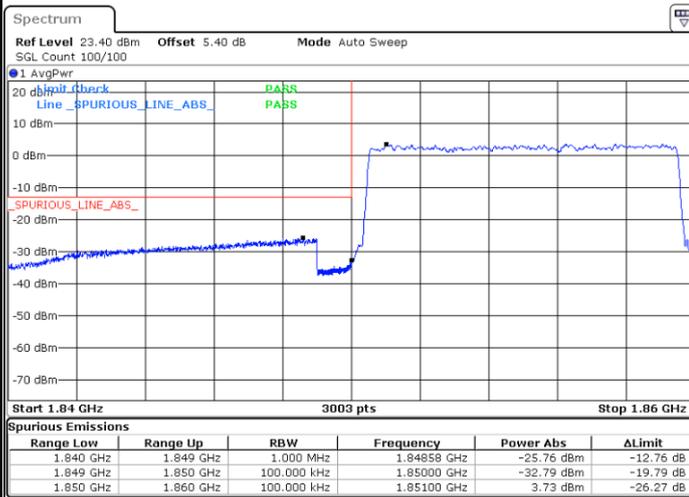
Date: 20 AUG 2021 14:34:47

Highest Band Edge / 1 RB



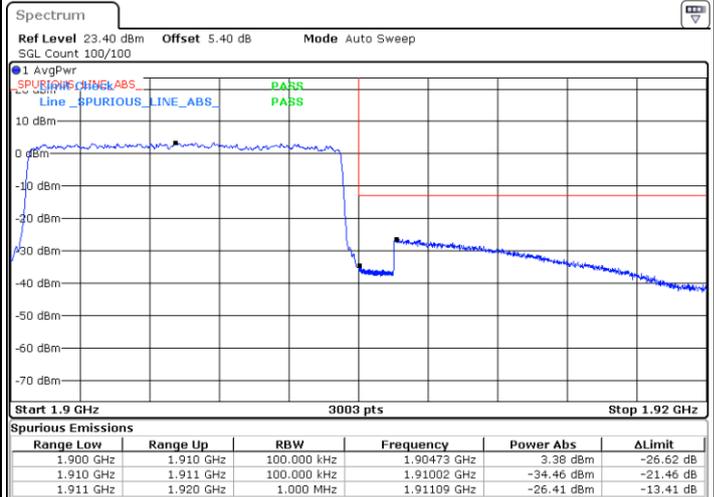
Date: 20 AUG 2021 14:44:18

Lowest Band Edge / Full RB



Date: 20 AUG 2021 14:35:51

Highest Band Edge / Full RB

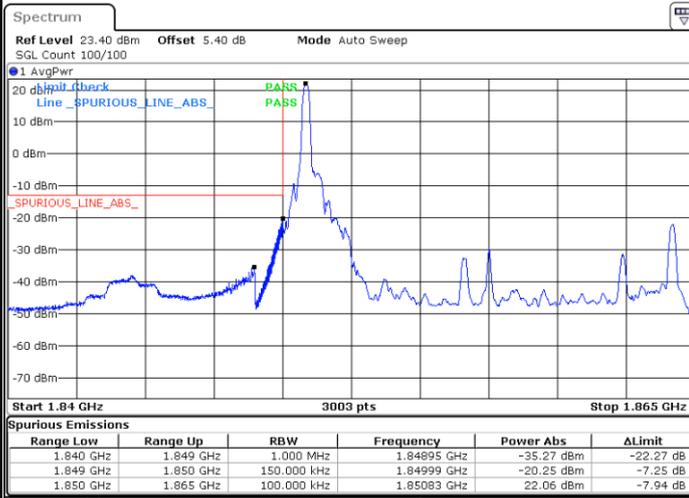


Date: 20 AUG 2021 14:57:16



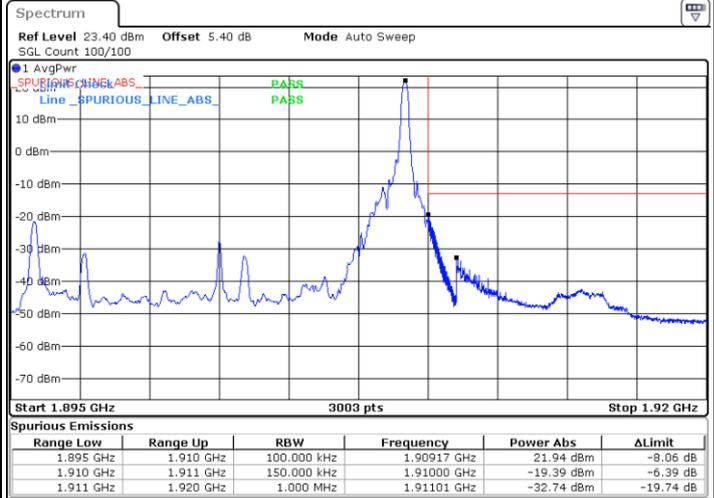
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



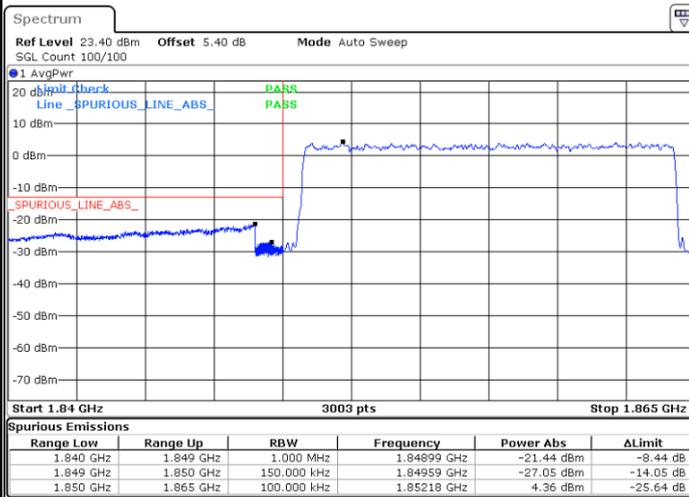
Date: 20 AUG 2021 15:00:31

Highest Band Edge / 1 RB



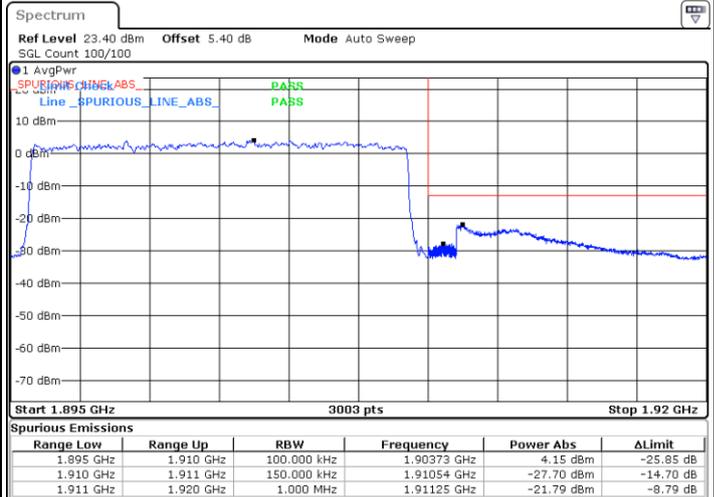
Date: 20 AUG 2021 15:08:04

Lowest Band Edge / Full RB



Date: 20 AUG 2021 15:02:02

Highest Band Edge / Full RB

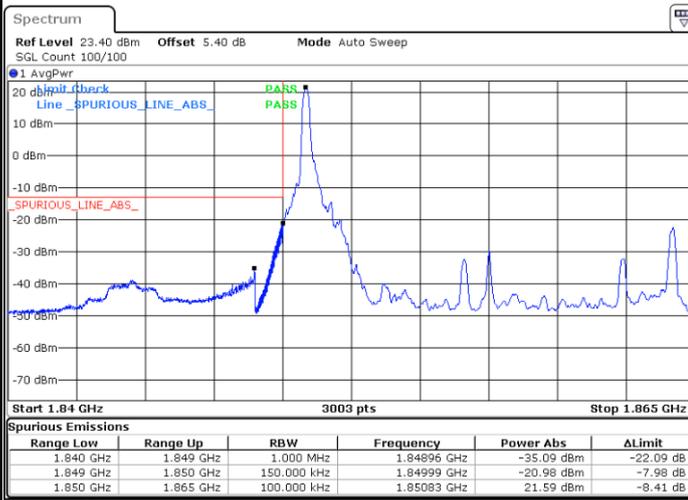


Date: 20 AUG 2021 15:11:15



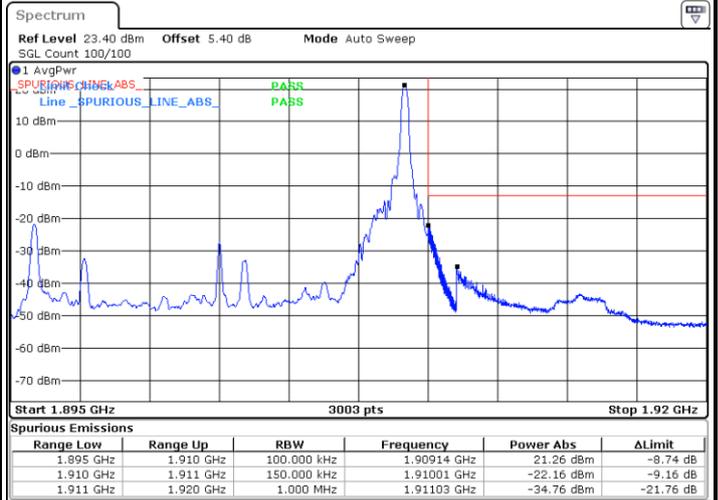
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



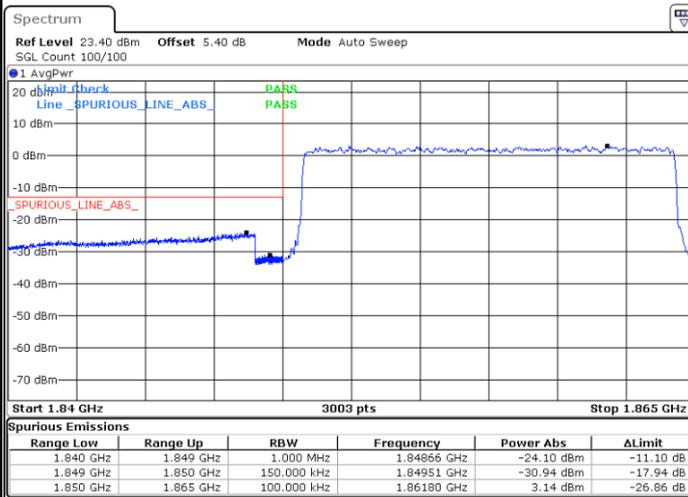
Date: 20 AUG 2021 14:59:50

Highest Band Edge / 1 RB



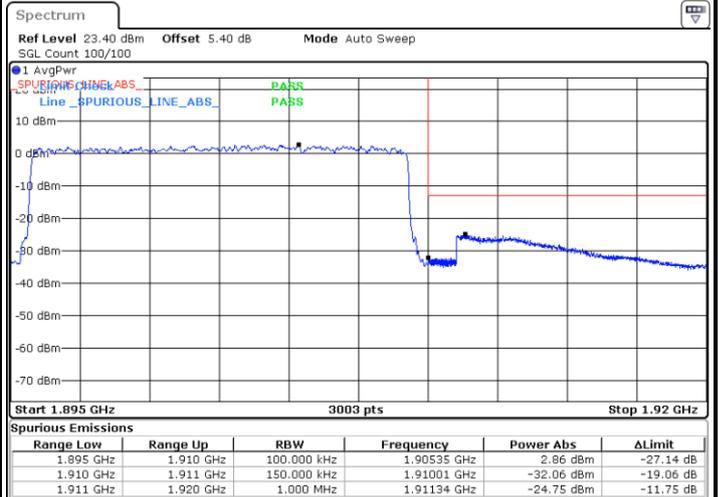
Date: 20 AUG 2021 15:08:36

Lowest Band Edge / Full RB



Date: 20 AUG 2021 15:02:33

Highest Band Edge / Full RB

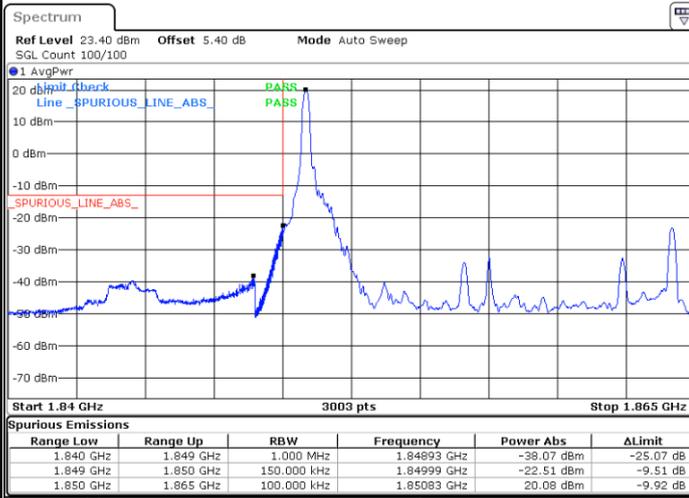


Date: 20 AUG 2021 15:10:33



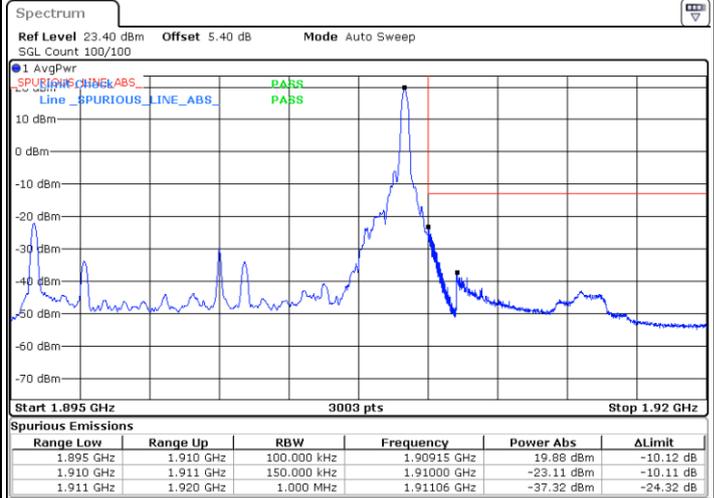
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



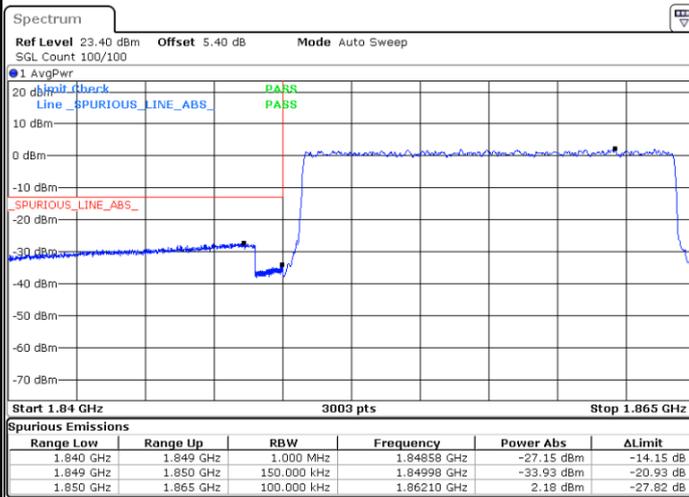
Date: 20 AUG 2021 14:58:57

Highest Band Edge / 1 RB



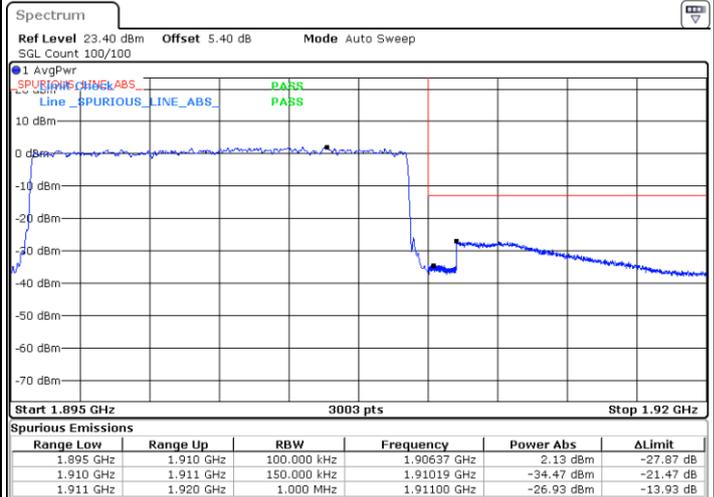
Date: 20 AUG 2021 15:09:11

Lowest Band Edge / Full RB



Date: 20 AUG 2021 15:03:25

Highest Band Edge / Full RB

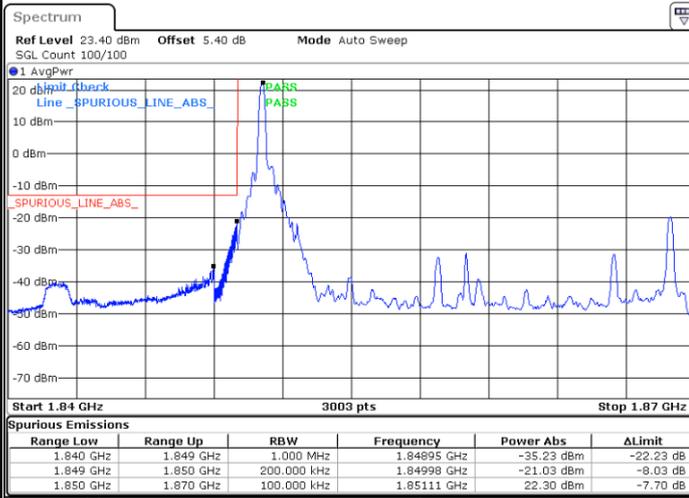


Date: 20 AUG 2021 15:09:59



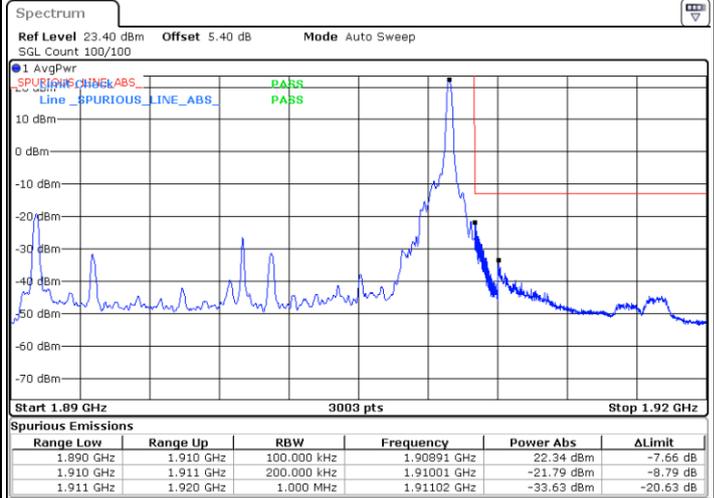
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



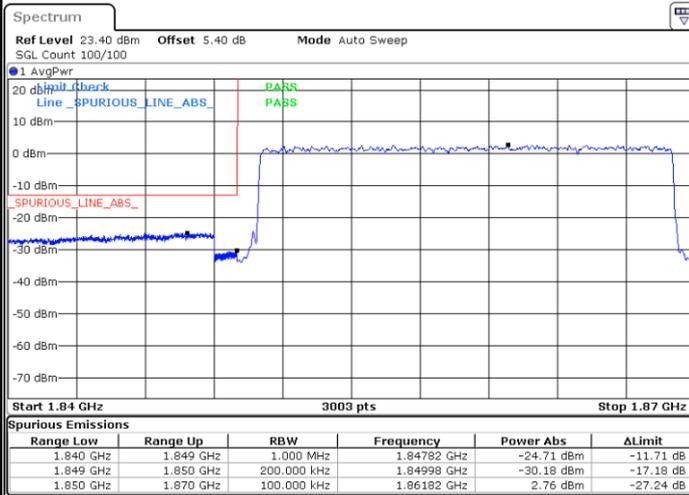
Date: 20 AUG 2021 15:12:36

Highest Band Edge / 1 RB



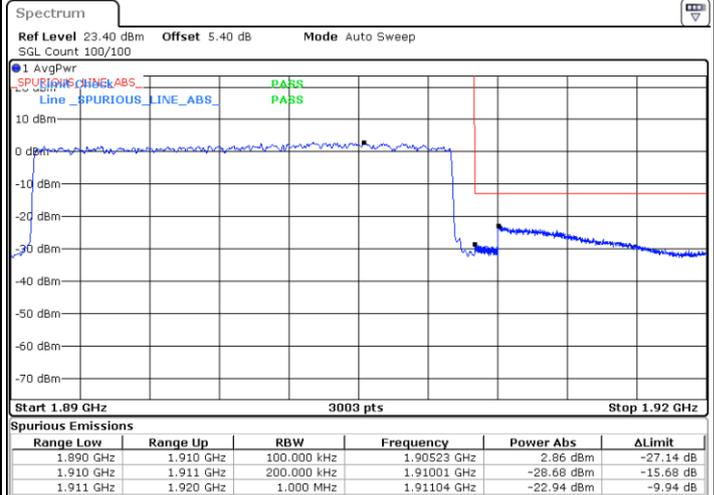
Date: 20 AUG 2021 15:26:23

Lowest Band Edge / Full RB



Date: 20 AUG 2021 15:16:12

Highest Band Edge / Full RB

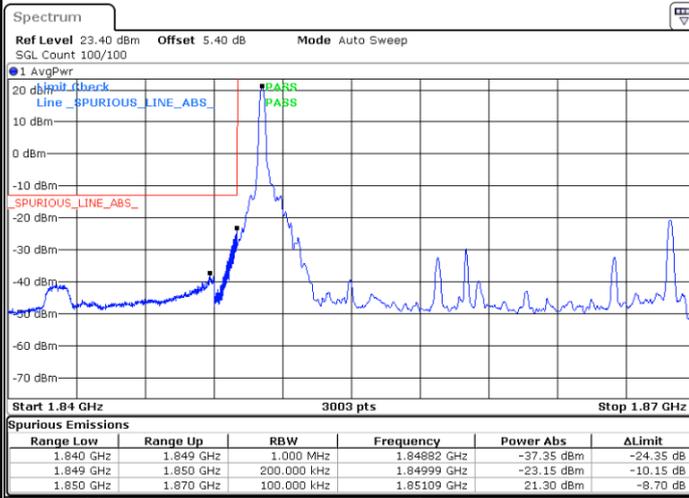


Date: 20 AUG 2021 15:30:05



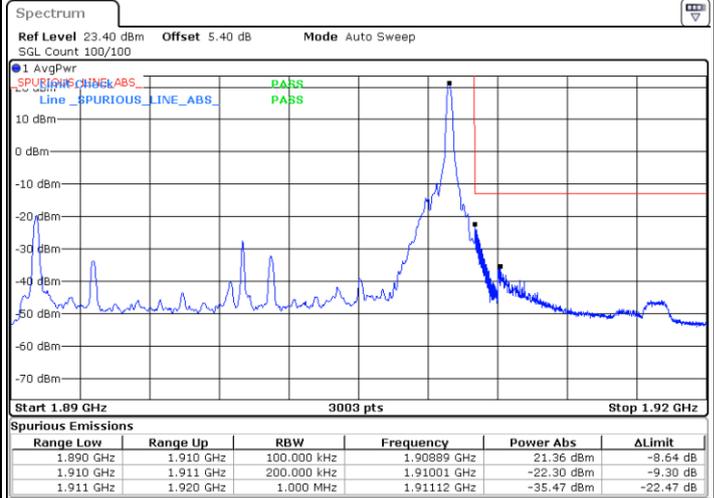
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



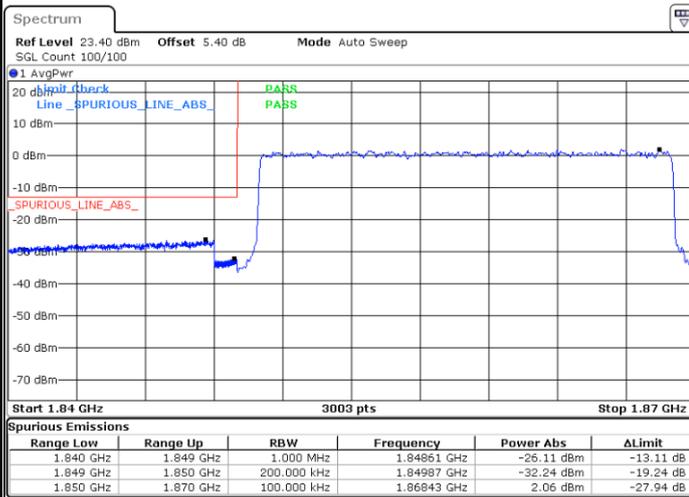
Date: 20 AUG 2021 15:13:08

Highest Band Edge / 1 RB



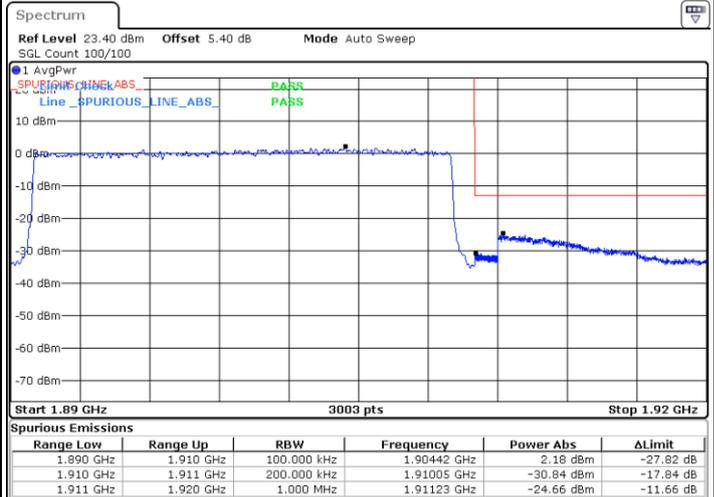
Date: 20 AUG 2021 15:26:52

Lowest Band Edge / Full RB



Date: 20 AUG 2021 15:15:28

Highest Band Edge / Full RB

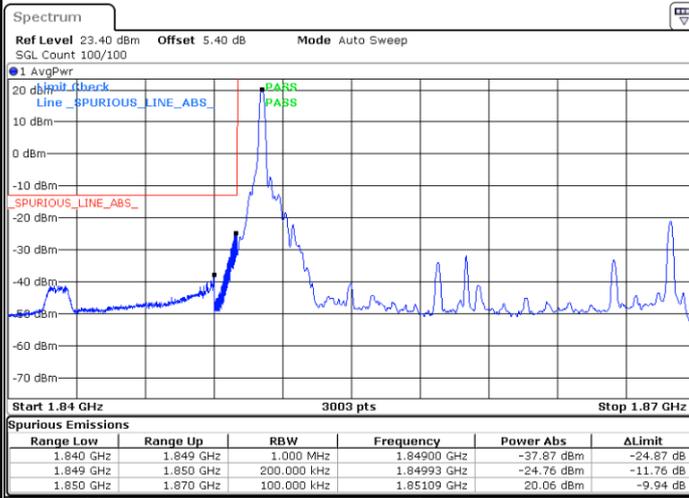


Date: 20 AUG 2021 15:29:03



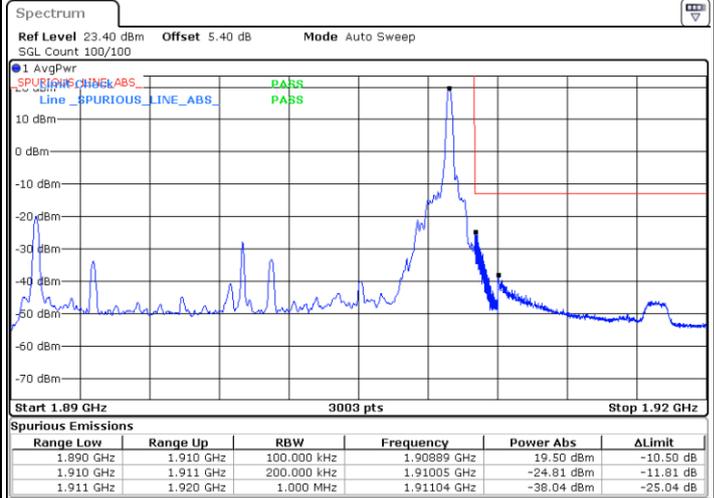
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



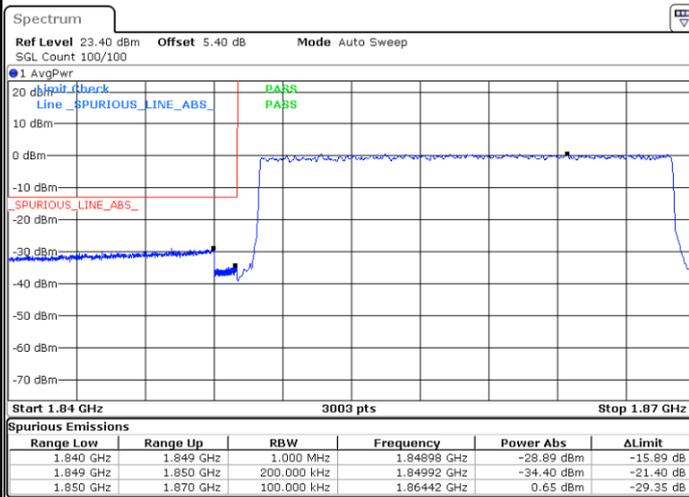
Date: 20 AUG 2021 15:13:45

Highest Band Edge / 1 RB



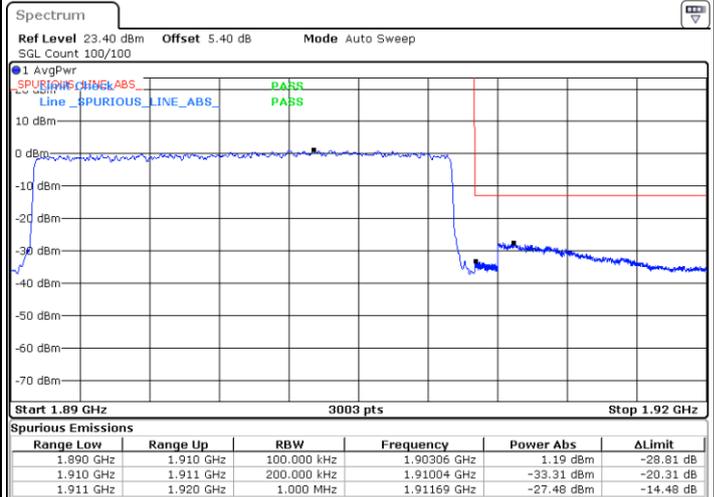
Date: 20 AUG 2021 15:27:21

Lowest Band Edge / Full RB



Date: 20 AUG 2021 15:14:56

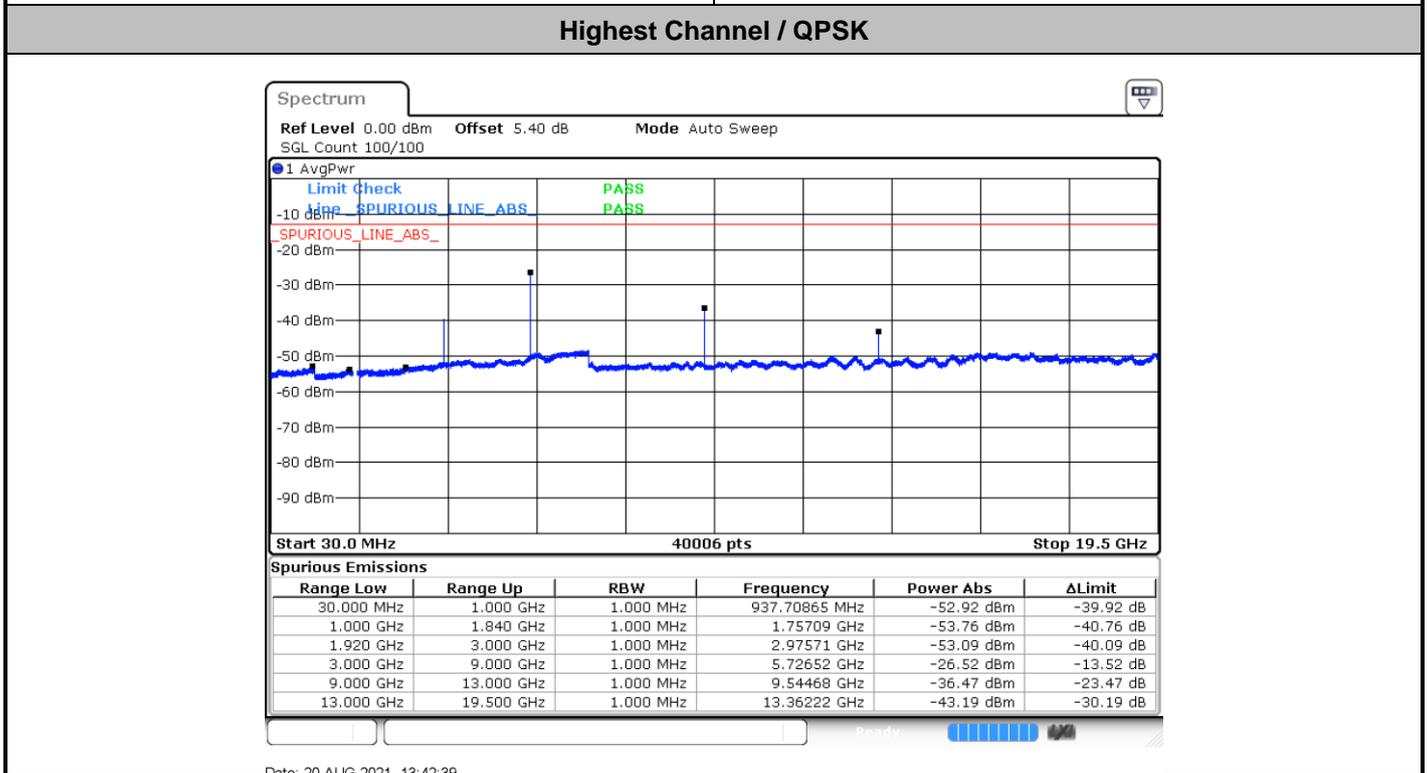
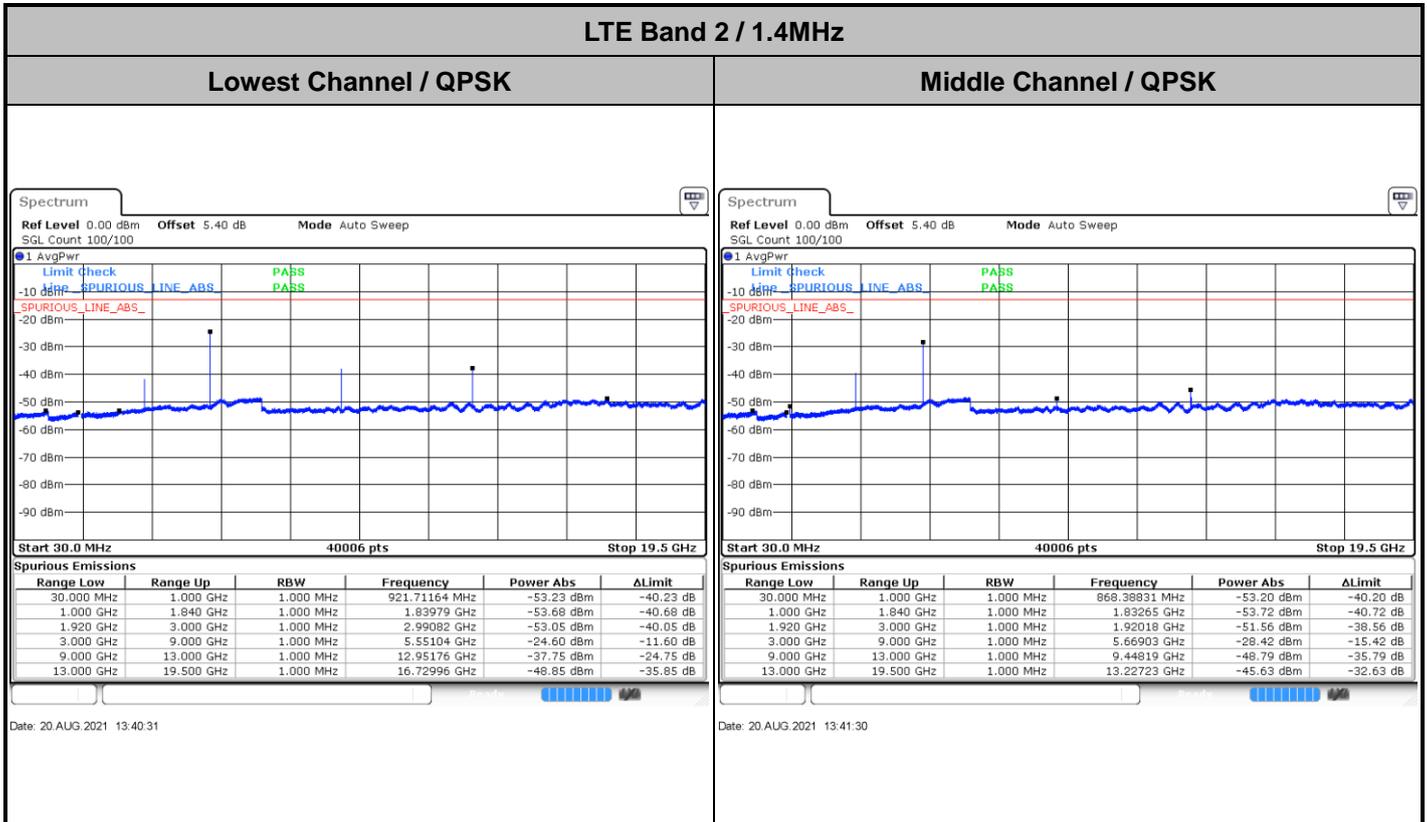
Highest Band Edge / Full RB



Date: 20 AUG 2021 15:28:26



# Conducted Spurious Emission

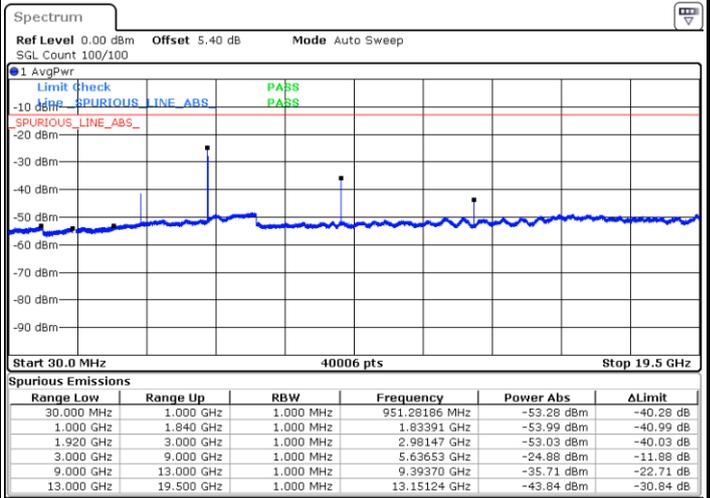
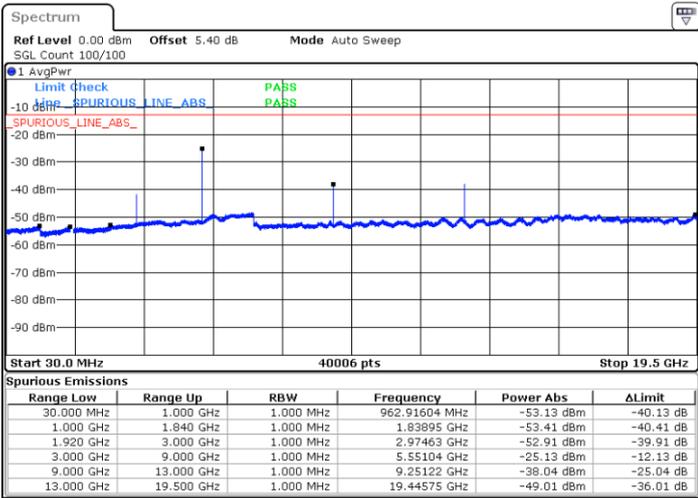




LTE Band 2 / 3MHz

Lowest Channel / QPSK

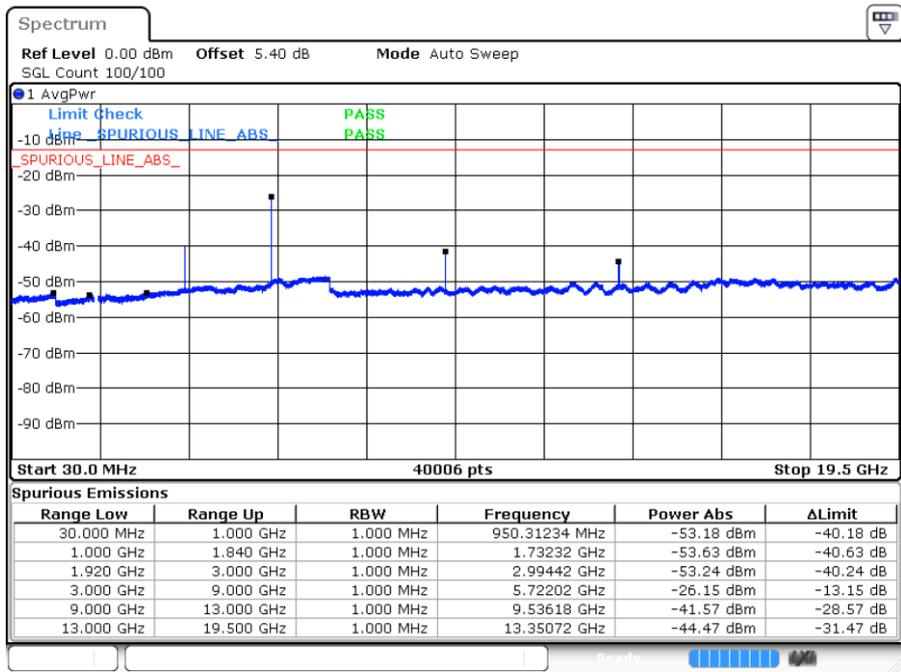
Middle Channel / QPSK



Date: 20.AUG.2021 14:01:49

Date: 20.AUG.2021 14:03:27

Highest Channel / QPSK



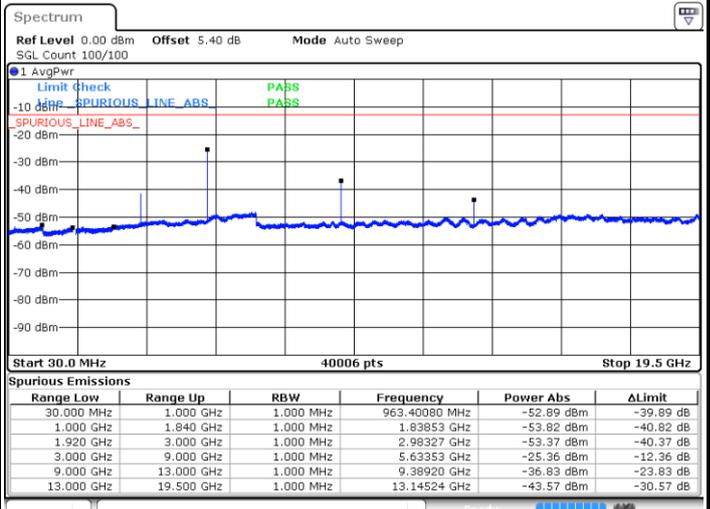
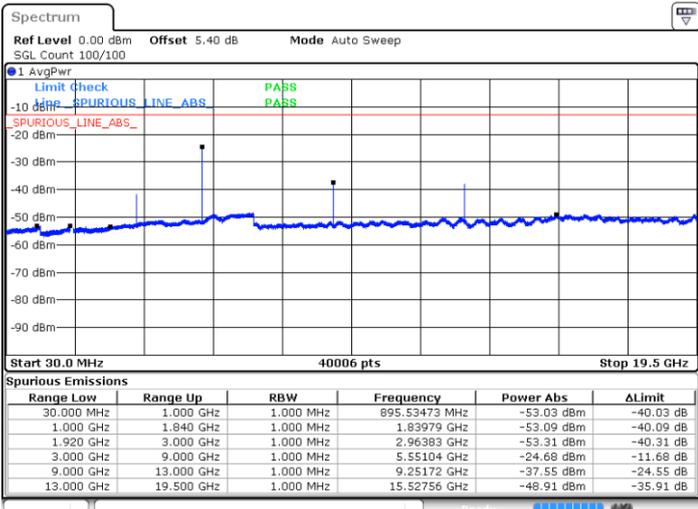
Date: 20.AUG.2021 14:05:06



LTE Band 2 / 5MHz

Lowest Channel / QPSK

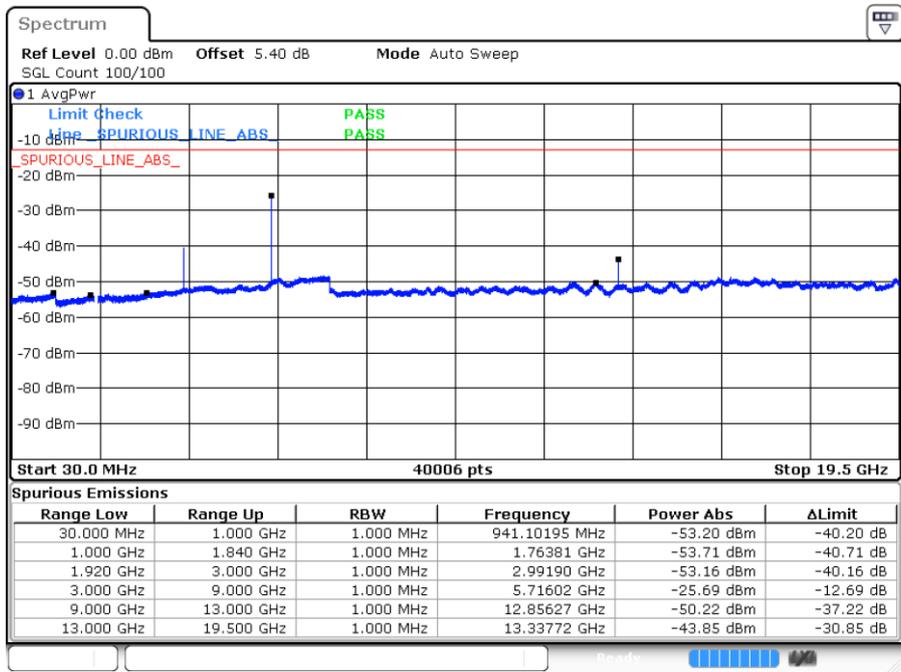
Middle Channel / QPSK



Date: 20 AUG 2021 14:24:06

Date: 20 AUG 2021 14:25:33

Highest Channel / QPSK



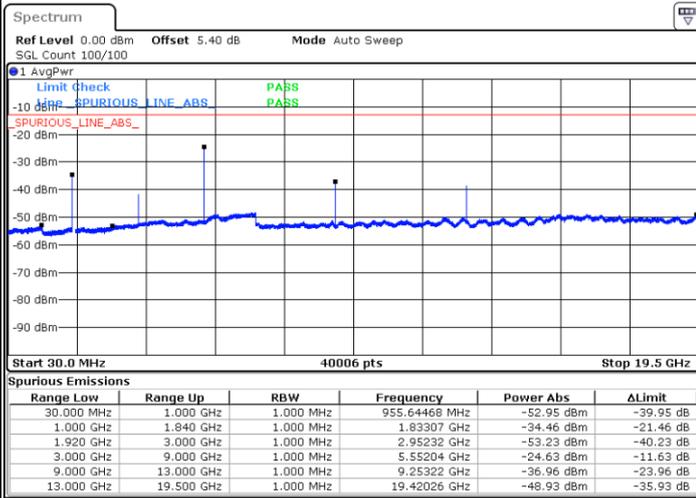
Date: 20 AUG 2021 14:26:36



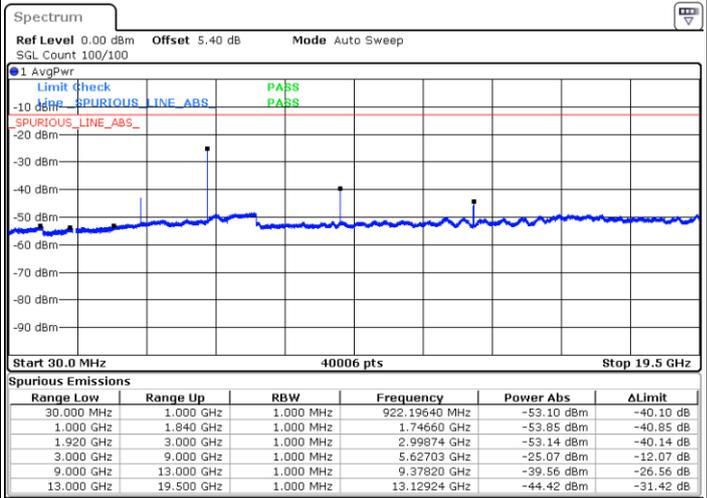
LTE Band 2 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

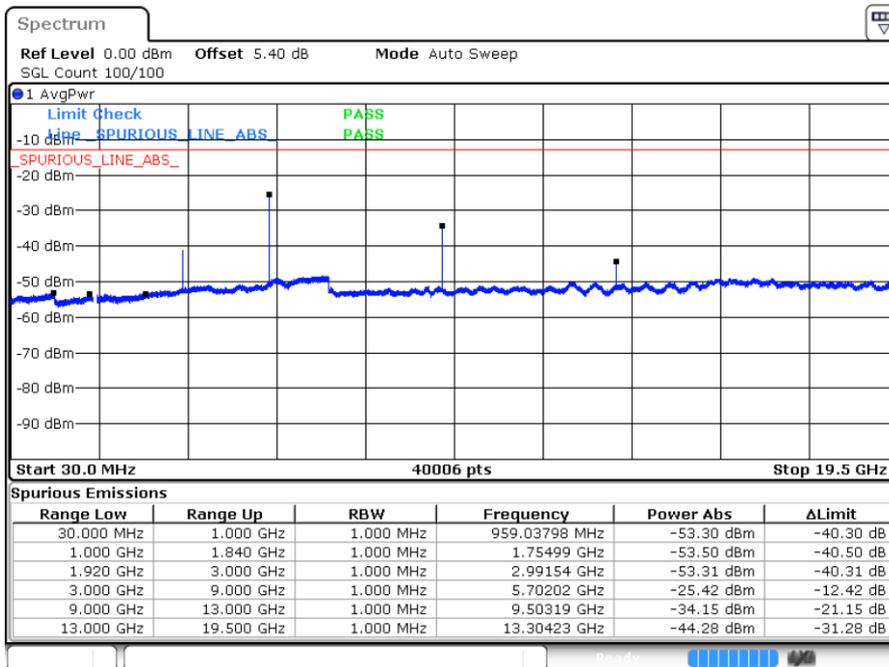


Date: 20 AUG 2021 14:37:59



Date: 20 AUG 2021 14:39:31

Highest Channel / QPSK



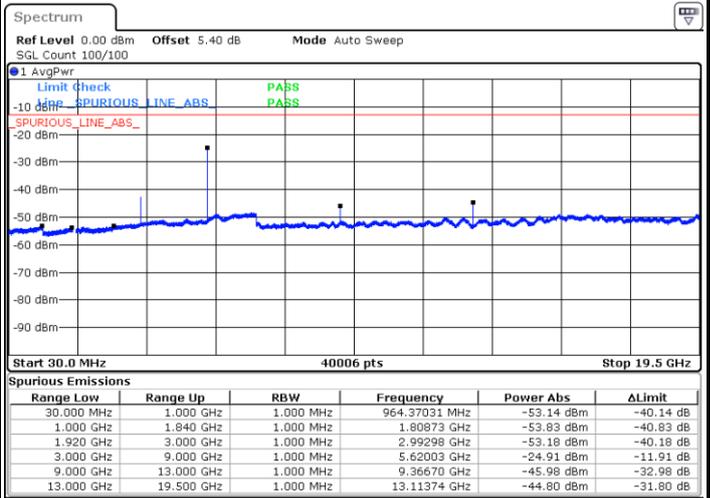
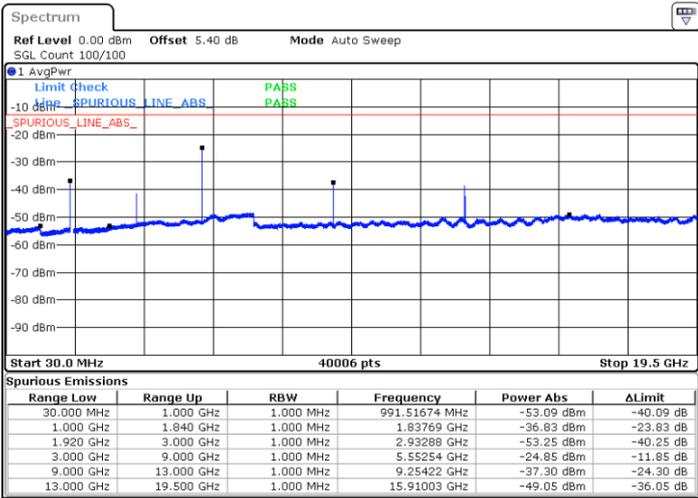
Date: 20 AUG 2021 14:40:42



LTE Band 2 / 15MHz

Lowest Channel / QPSK

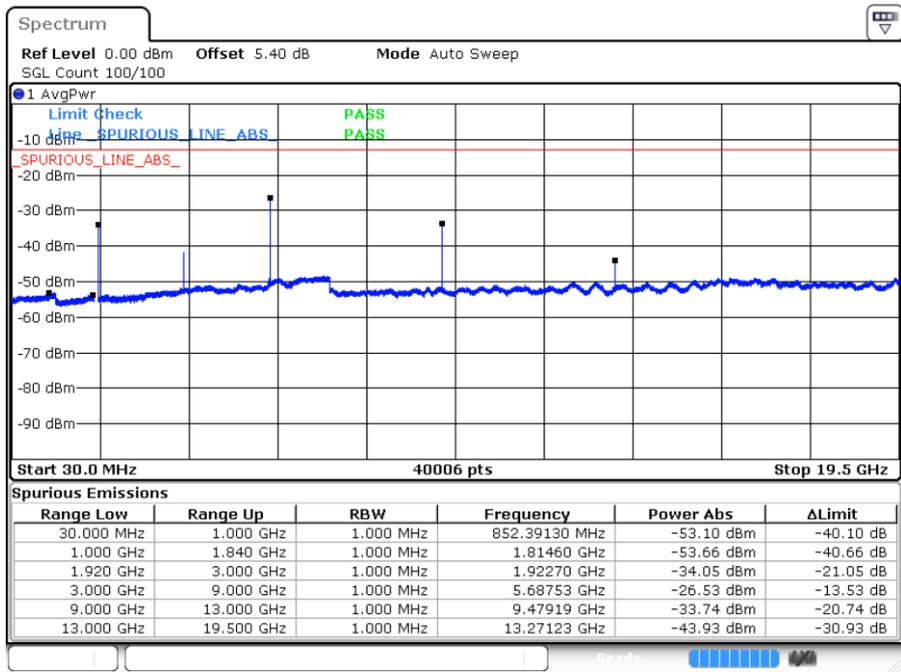
Middle Channel / QPSK



Date: 20 AUG 2021 15:04:45

Date: 20 AUG 2021 15:05:52

Highest Channel / QPSK



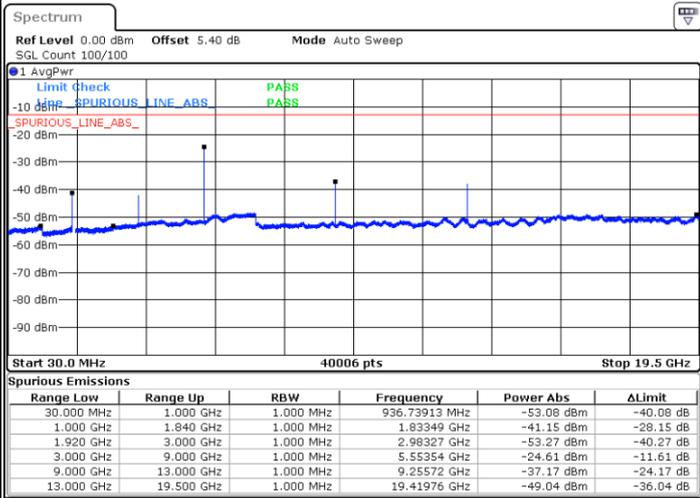
Date: 20 AUG 2021 15:07:01



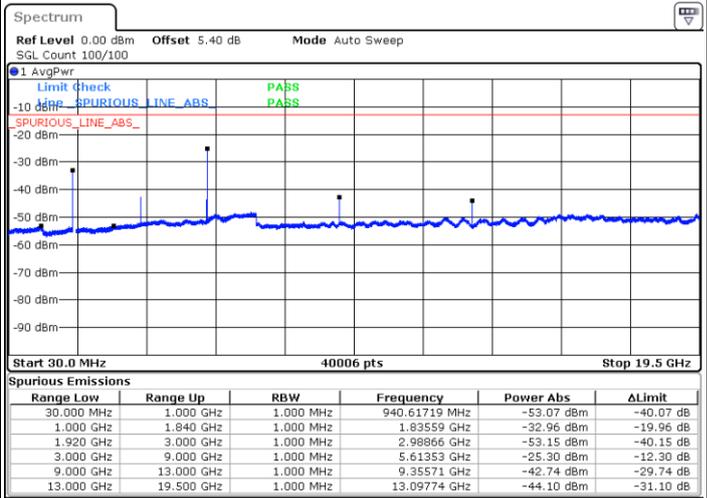
LTE Band 2 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

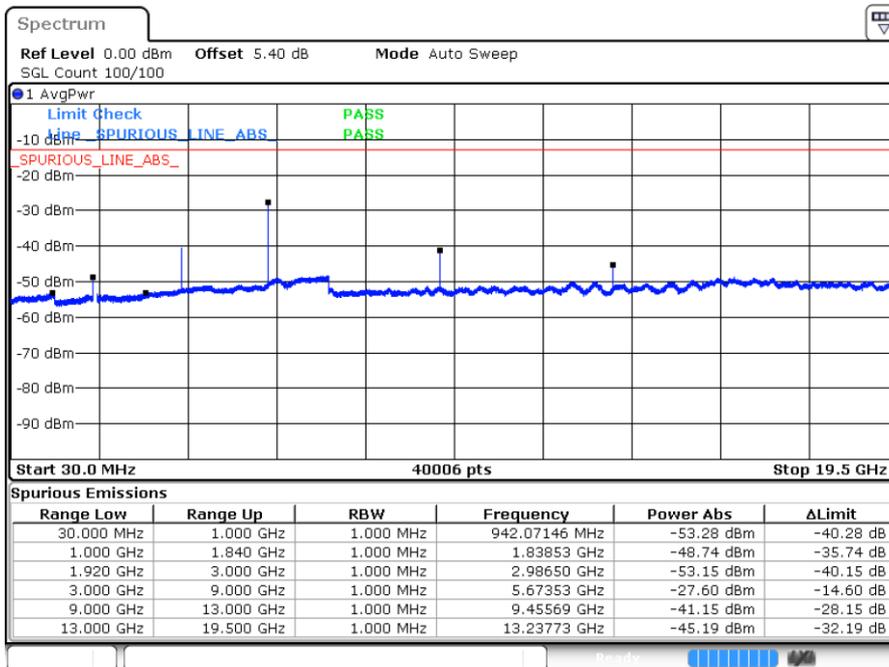


Date: 20 AUG 2021 15:17:40



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Highest Channel / QPSK



Date: 20 AUG 2021 15:25:38



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0008	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0010	
-20	Normal Voltage	0.0004	
-30	Normal Voltage	0.0014	
20	Maximum Voltage	0.0008	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

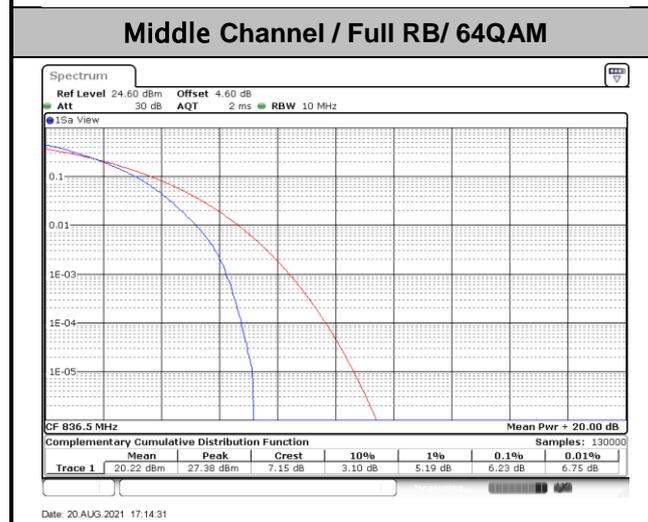
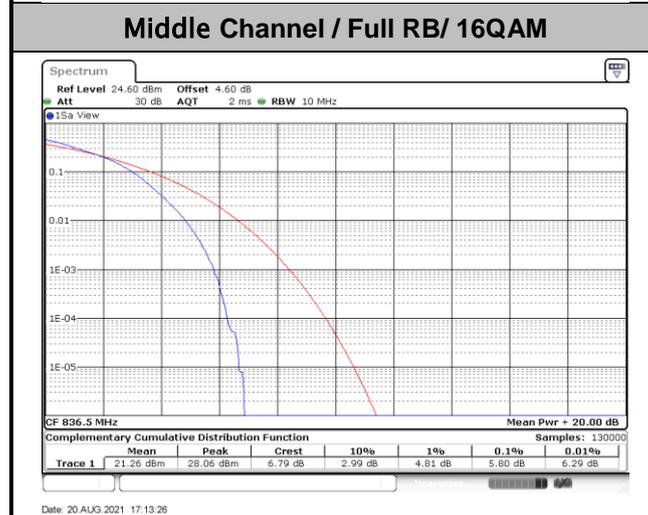
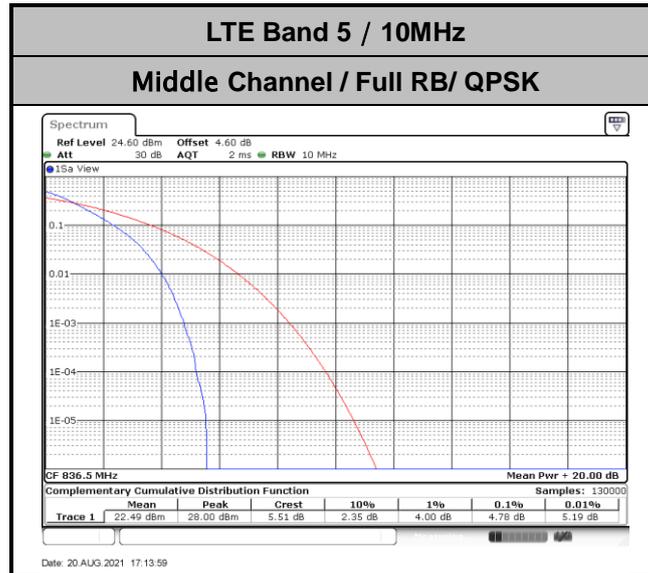
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 5

### Peak-to-Average Ratio

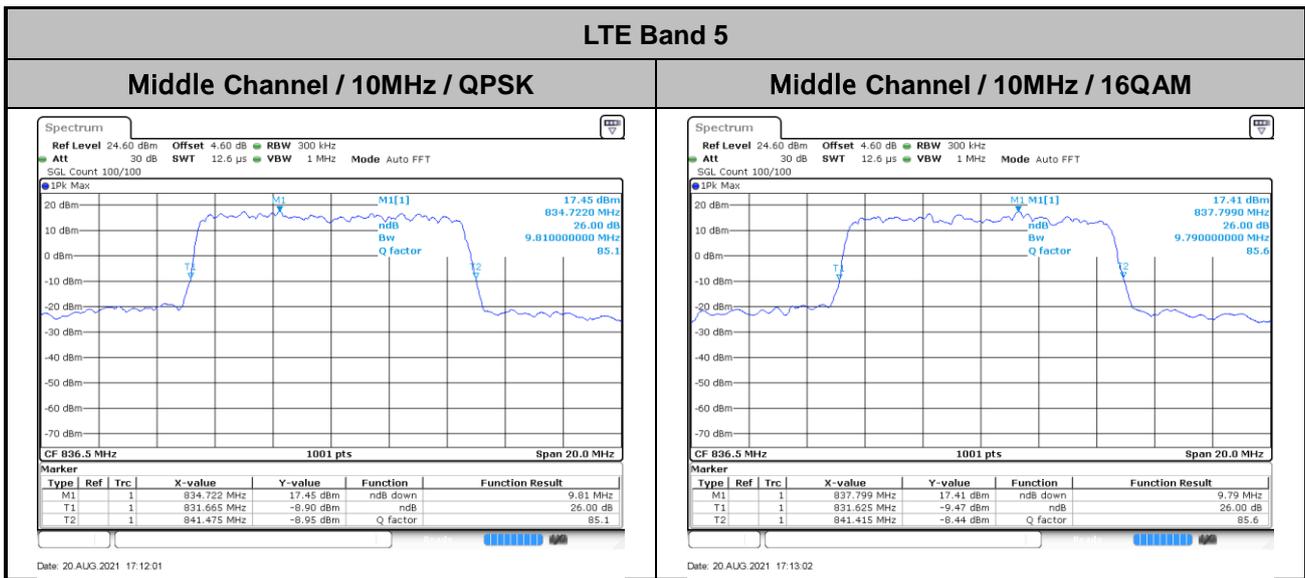
Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.78	5.80	6.23	<b>PASS</b>





## 26dB Bandwidth

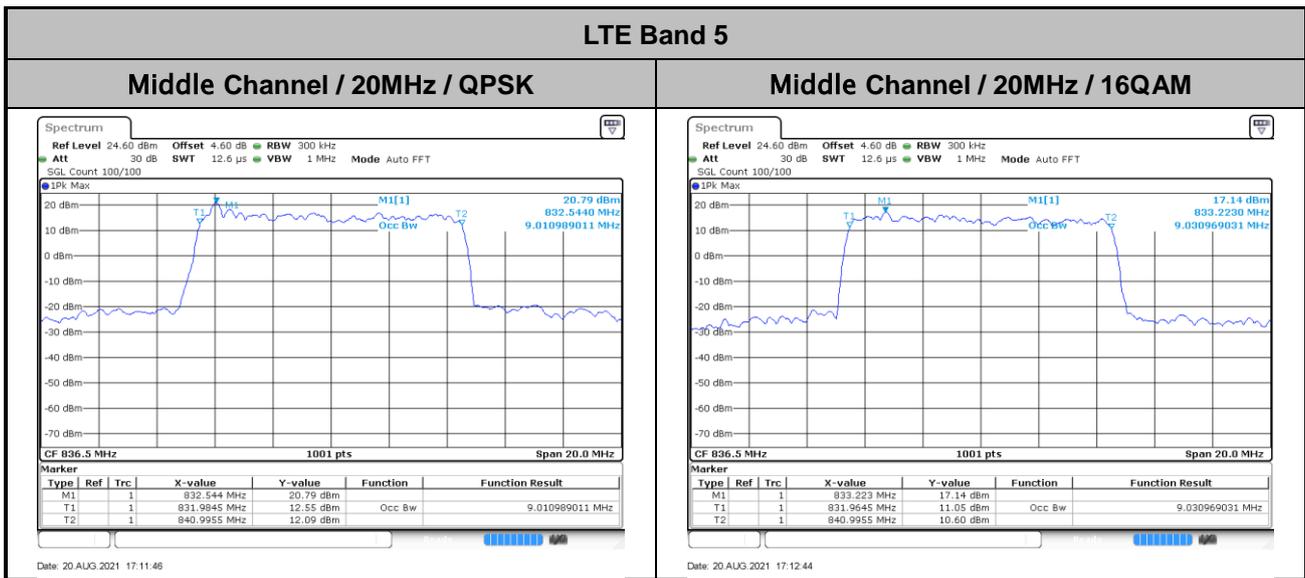
<b>Mode</b>	<b>LTE Band 5 : 26dB BW(MHz)</b>	
<b>BW</b>	<b>10MHz</b>	
<b>Mod.</b>	<b>QPSK</b>	<b>16QAM</b>
<b>Middle CH</b>	9.81	9.79





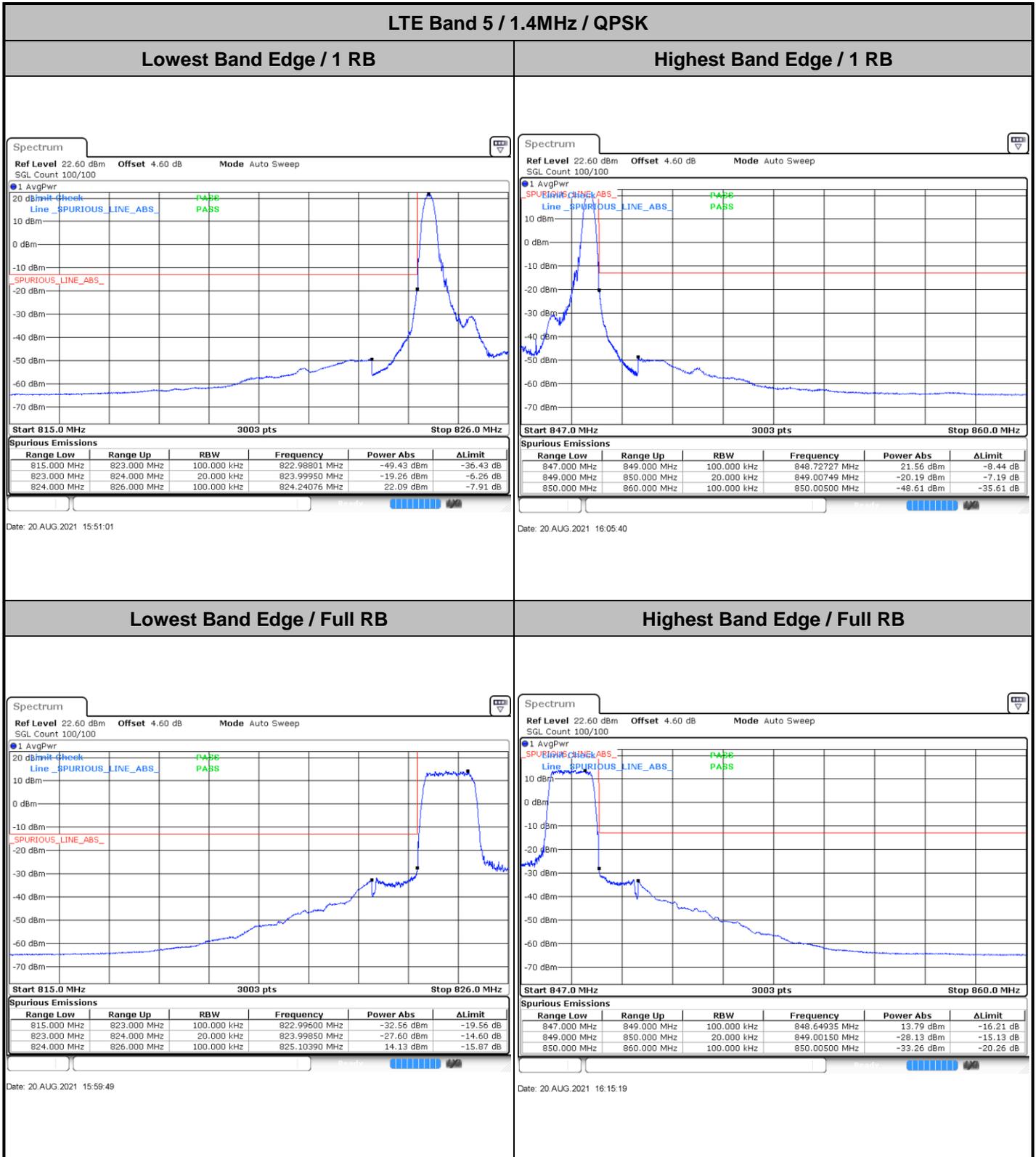
# Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.03





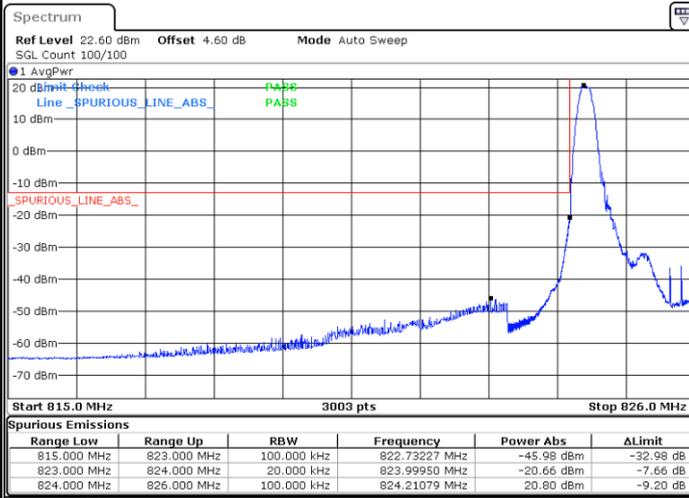
# Conducted Band Edge





LTE Band 5 / 1.4MHz / 16QAM

Lowest Band Edge / 1RB



Date: 20 AUG 2021 15:52:54

Highest Band Edge / 1 RB



Date: 20 AUG 2021 16:07:30

Lowest Band Edge / Full RB



Date: 20 AUG 2021 15:58:07

Highest Band Edge / Full RB

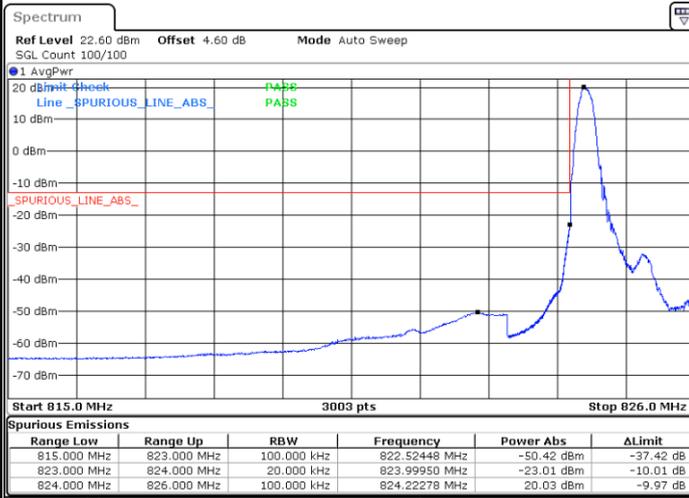


Date: 20 AUG 2021 16:13:20



LTE Band5 / 1.4MHz / 64QAM

Lowest Band Edge / 1RB



Date: 20 AUG 2021 15:54:38

Highest Band Edge / 1 RB



Date: 20 AUG 2021 16:09:33

Lowest Band Edge / Full RB



Date: 20 AUG 2021 15:56:26

Highest Band Edge / Full RB



Date: 20 AUG 2021 16:11:38