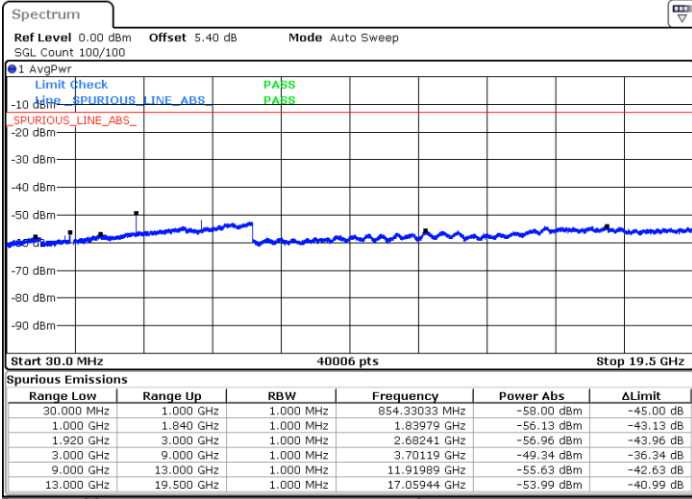




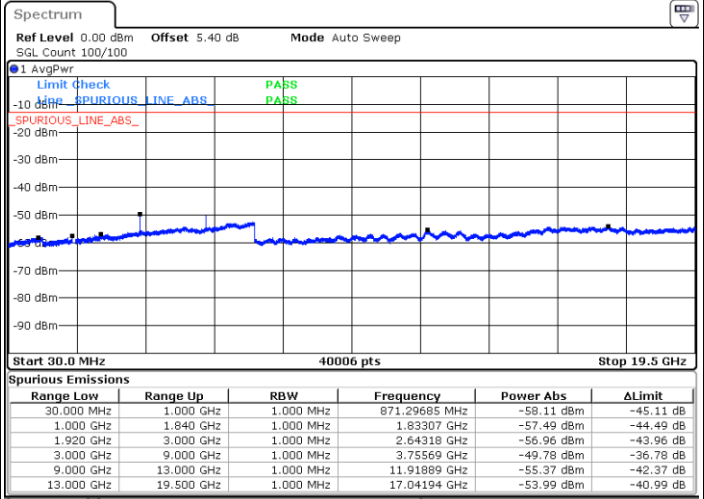
LTE Band 2 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

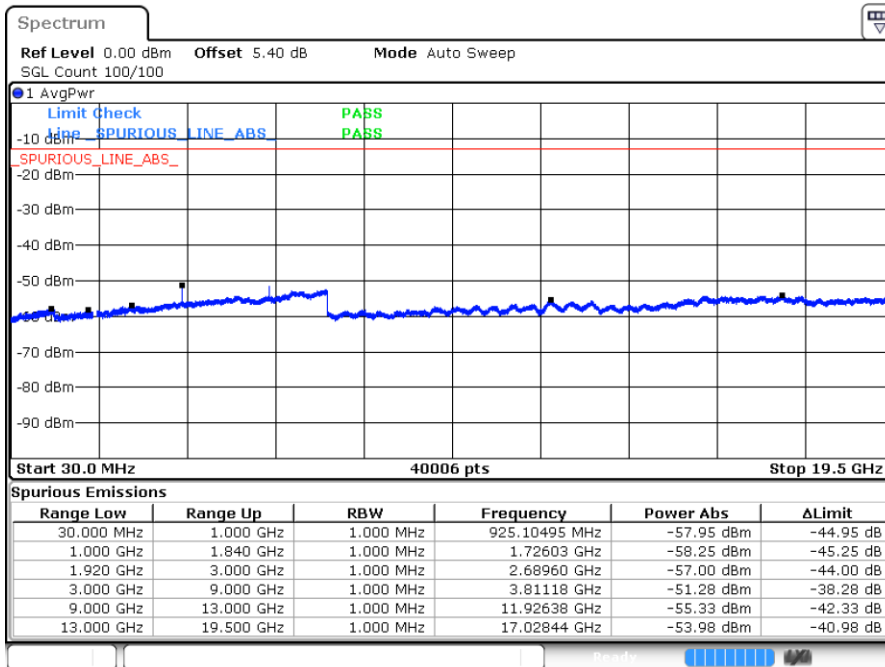


Date: 5 SEP 2022 14:11:59



Date: 5 SEP 2022 14:13:19

Highest Channel / QPSK



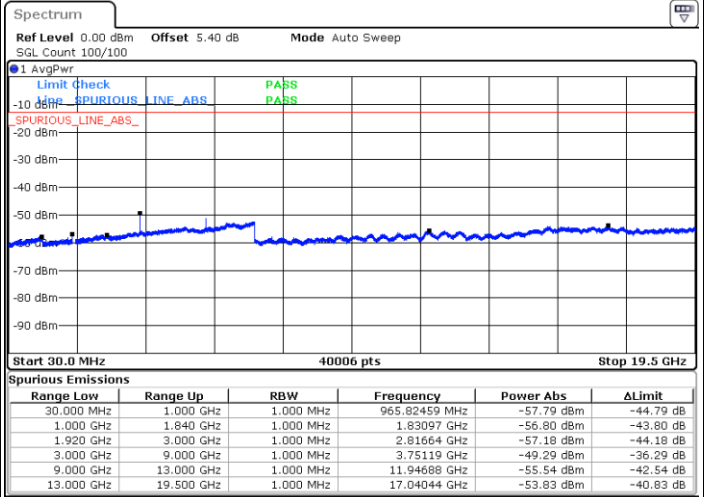
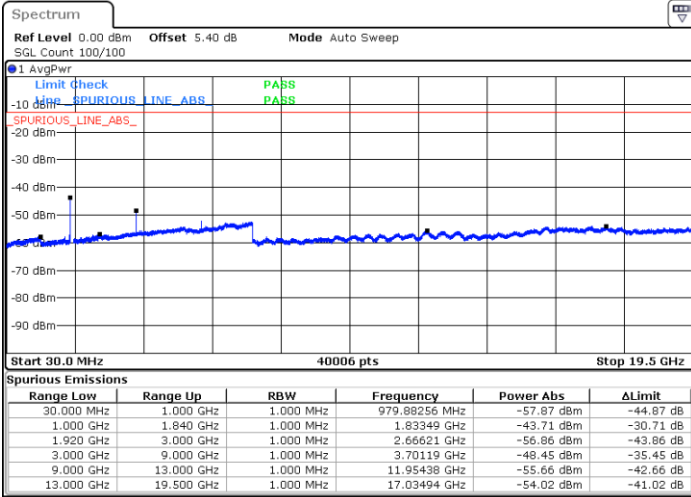
Date: 5 SEP 2022 14:14:39



LTE Band 2 / 10MHz

Lowest Channel / QPSK

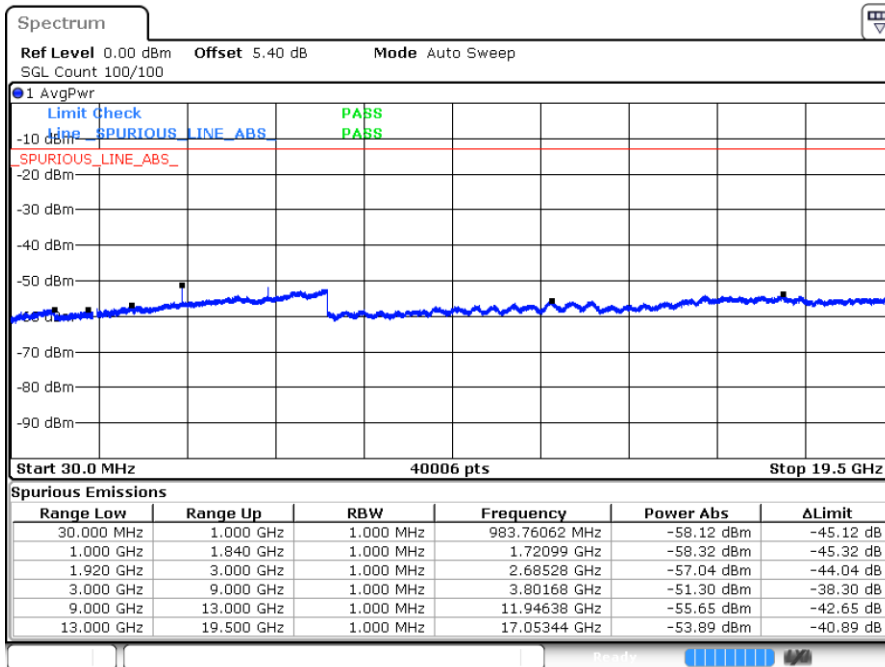
Middle Channel / QPSK



Date: 5 SEP 2022 14:31:56

Date: 5 SEP 2022 14:33:17

Highest Channel / QPSK



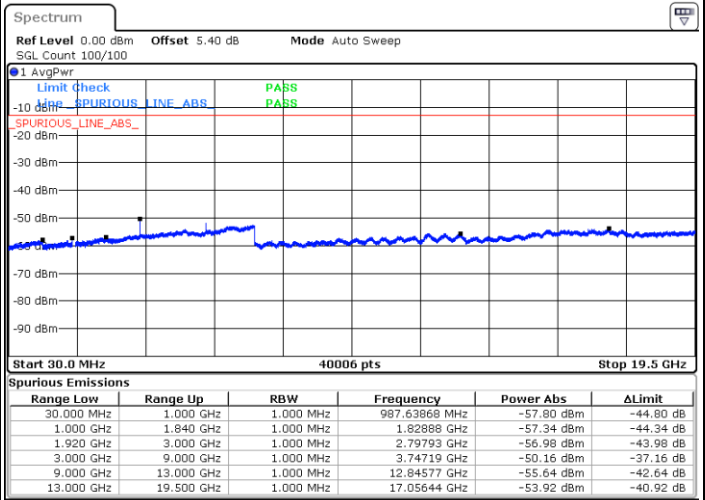
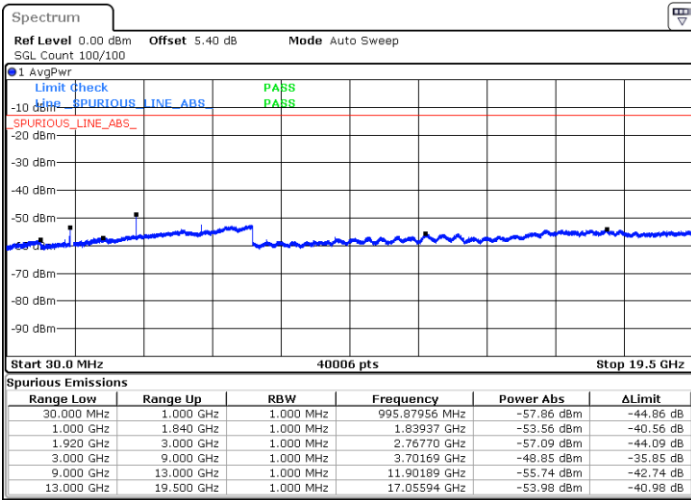
Date: 5 SEP 2022 14:34:37



LTE Band 2 / 15MHz

Lowest Channel / QPSK

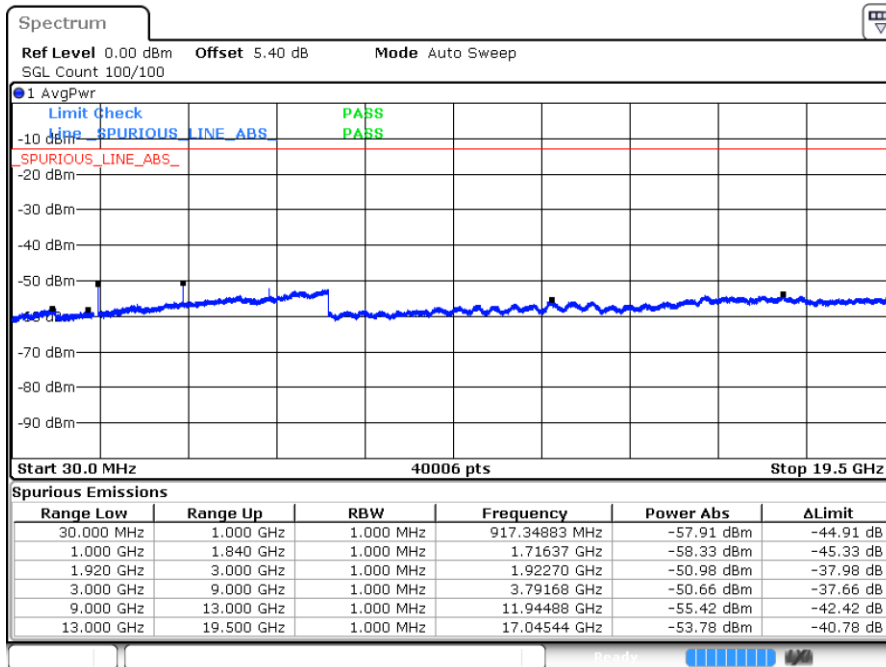
Middle Channel / QPSK



Date: 5 SEP 2022 14:51:54

Date: 5 SEP 2022 14:53:15

Highest Channel / QPSK

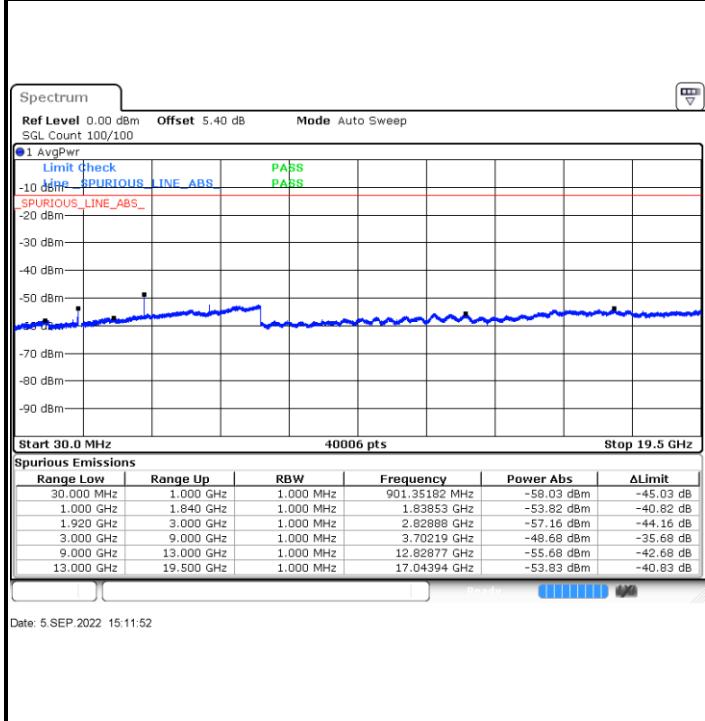


Date: 5 SEP 2022 14:54:35

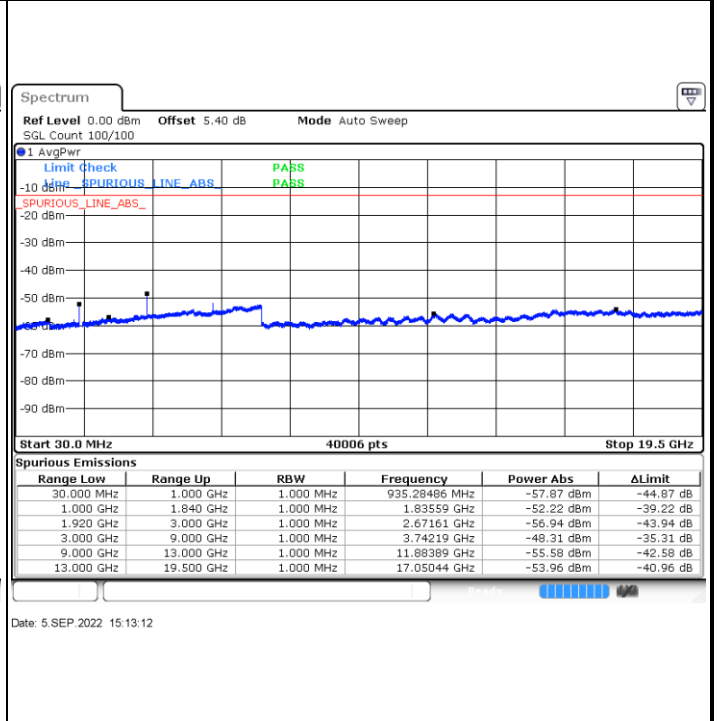


LTE Band 2 / 20MHz

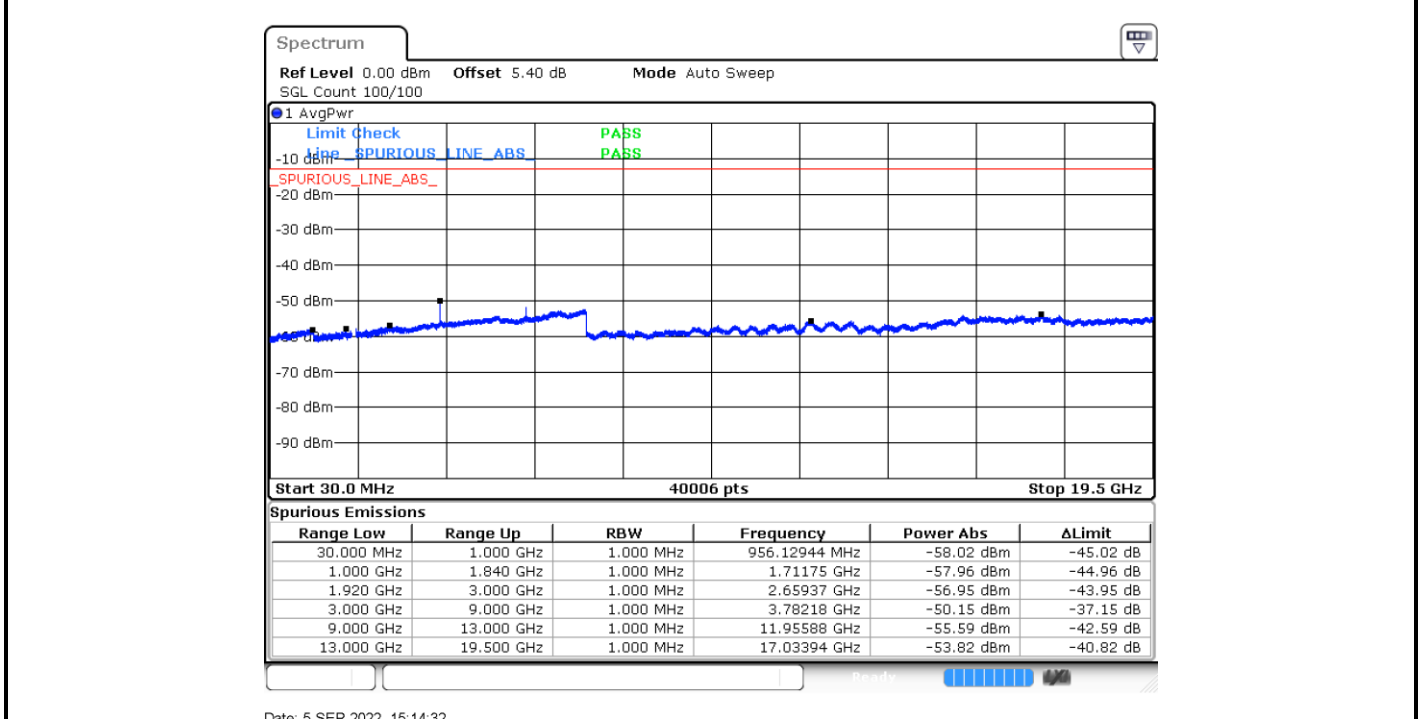
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





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	0.0032	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0025	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0015	

Note:

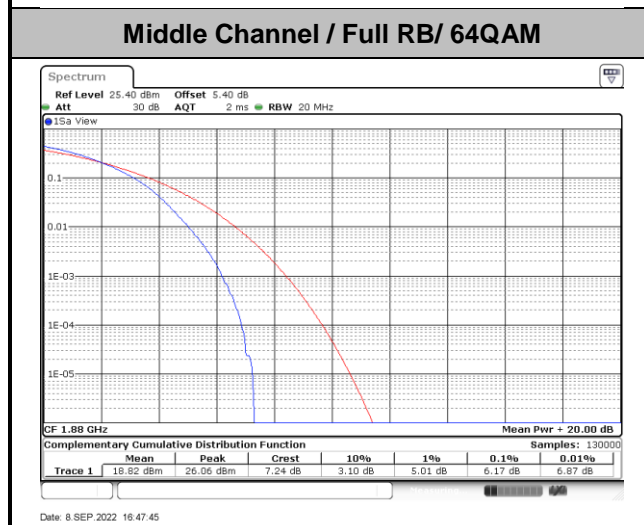
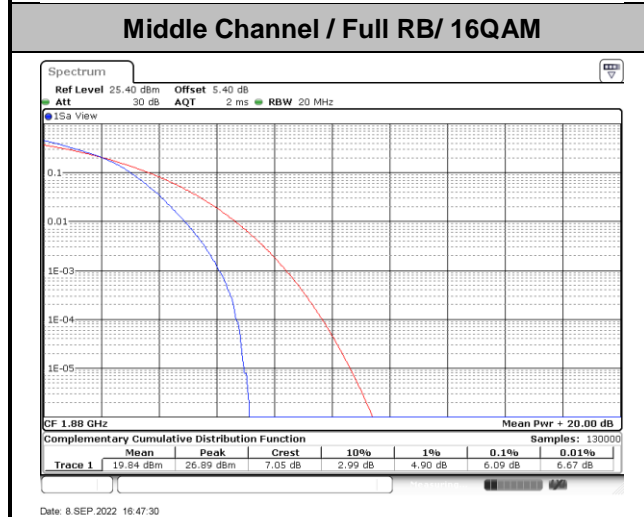
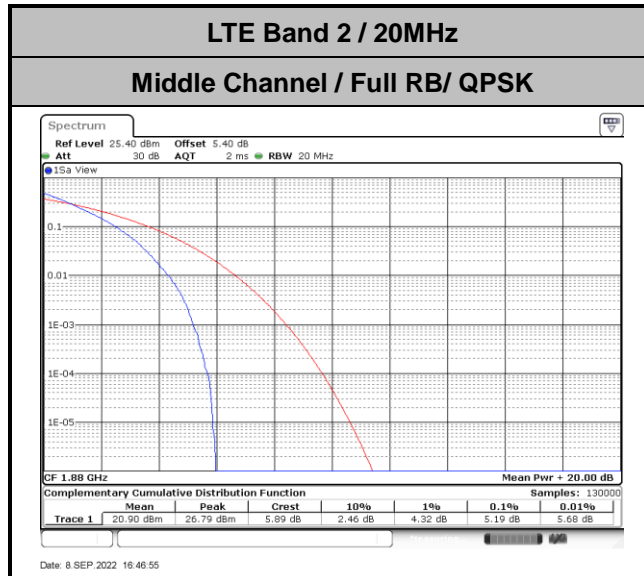
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 2 Other PA

Peak-to-Average Ratio

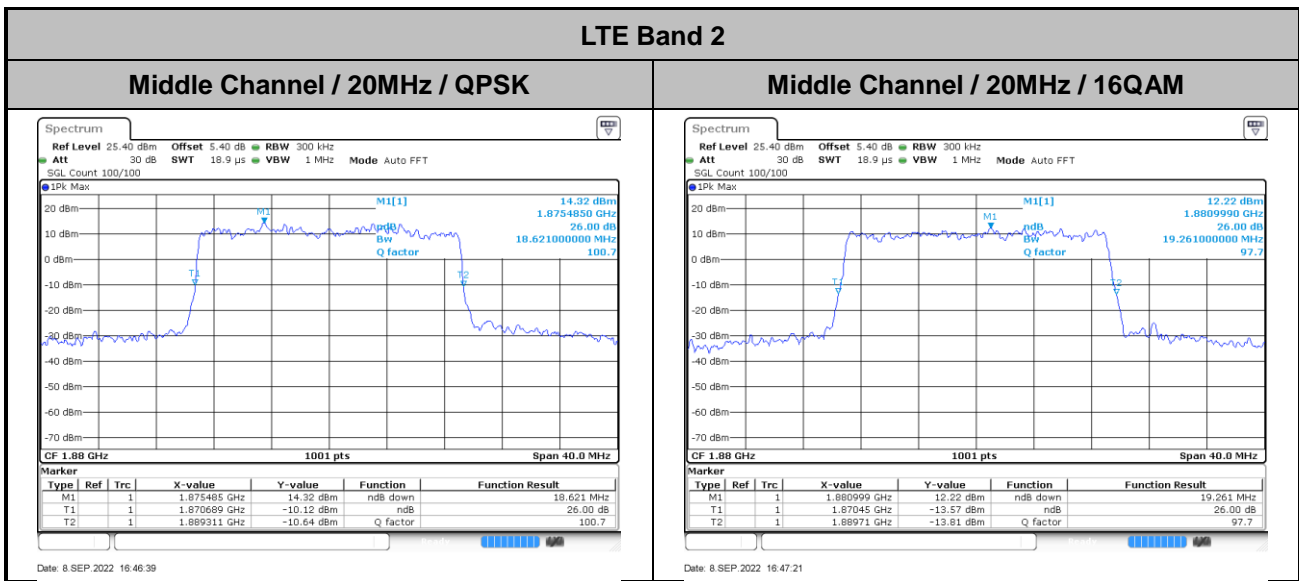
Mode	LTE Band 2 / 20MHz				
Mod.	QPSK	16QAM	64QAM		Limit: 13dB
RB Size	Full RB	Full RB	Full RB		Result
Middle CH	5.19	6.09	6.17		PASS





26dB Bandwidth

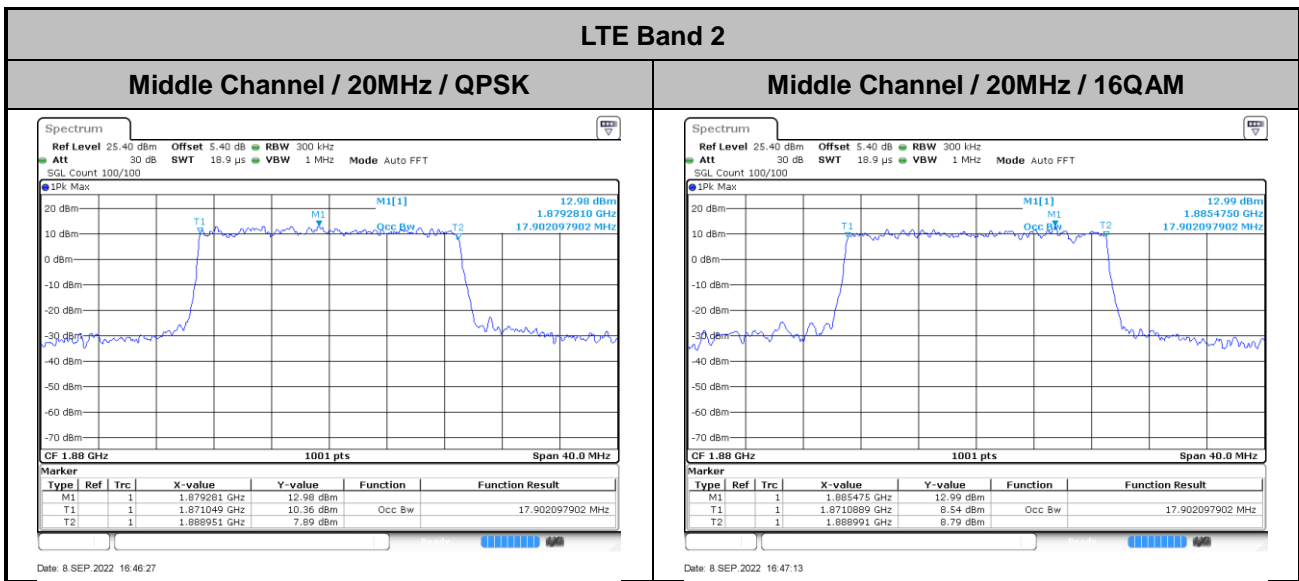
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.62	19.26





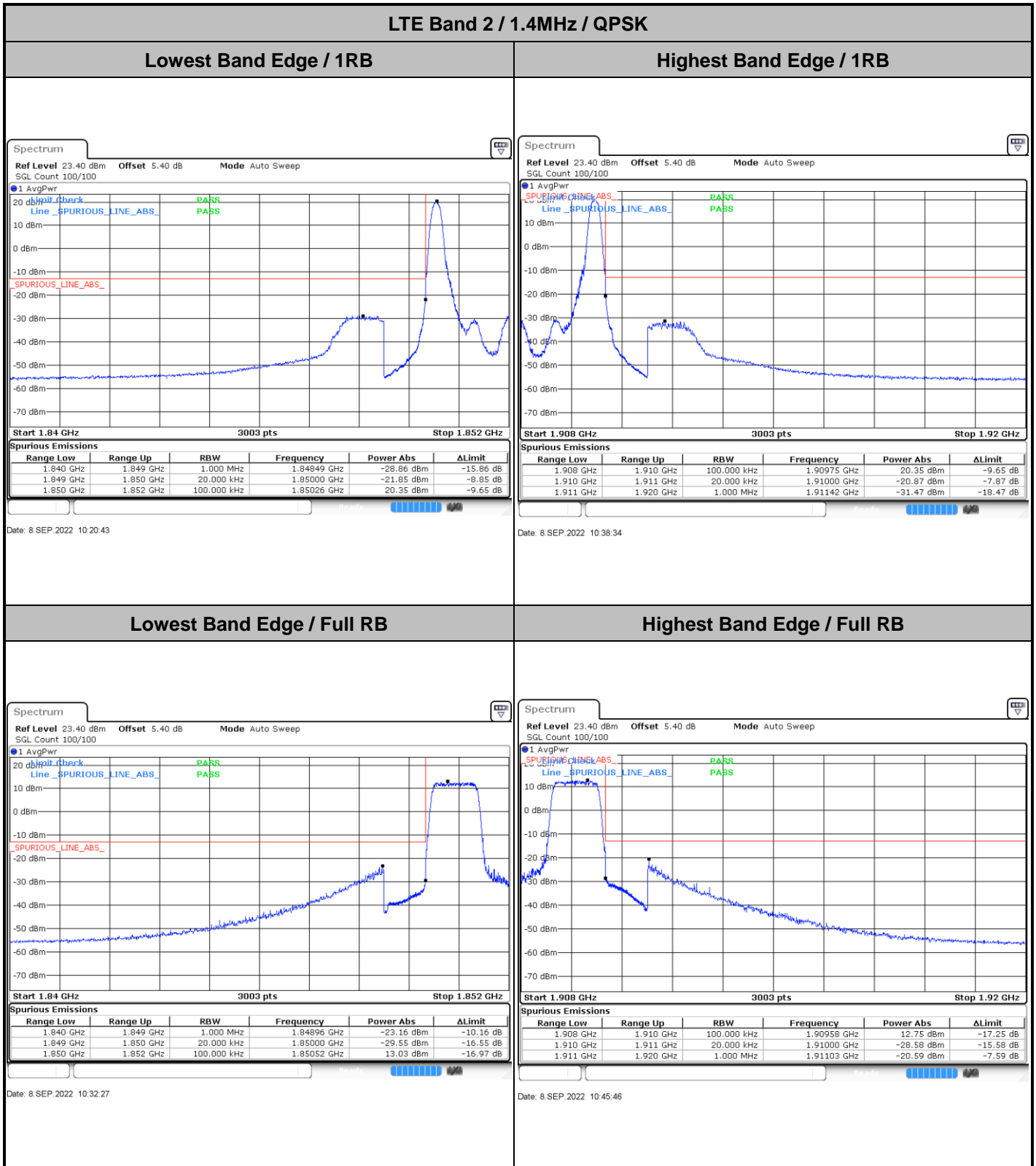
Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.90





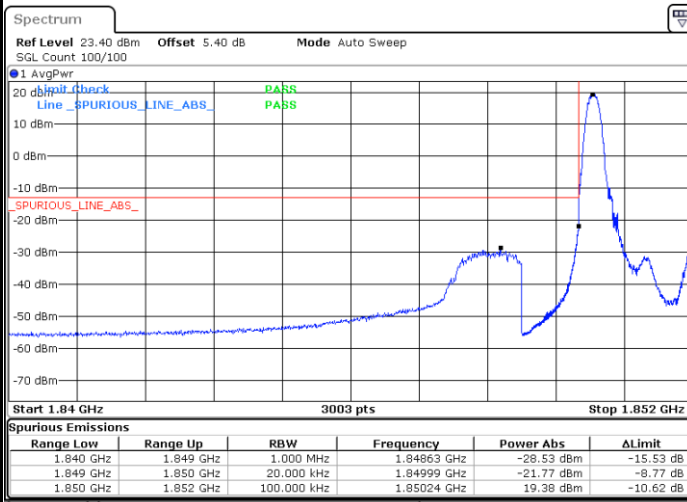
Conducted Band Edge





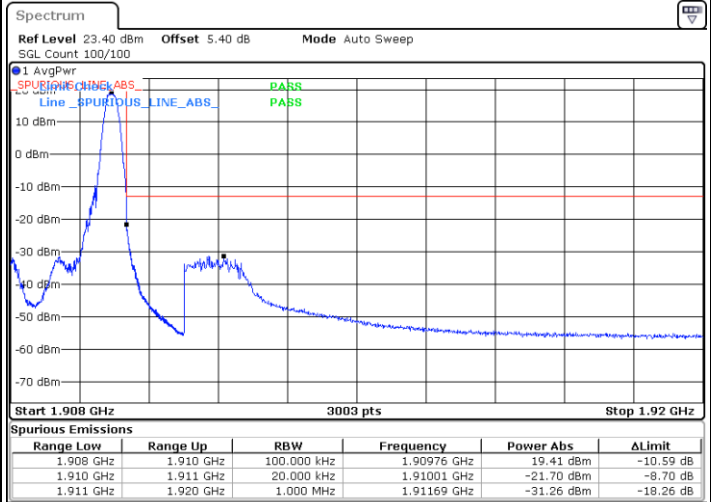
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



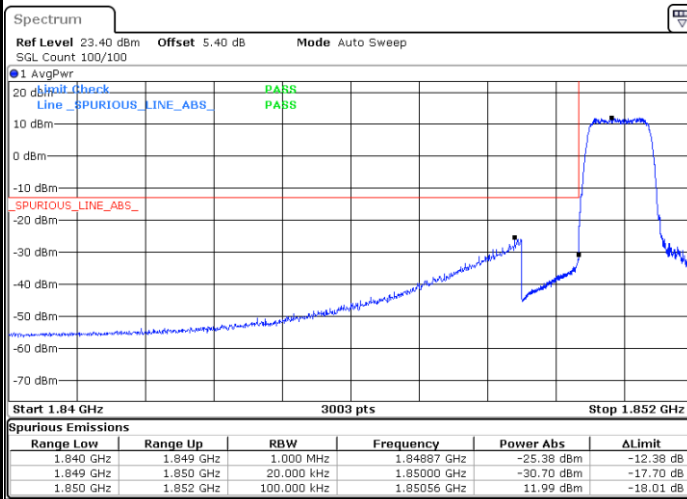
Date: 8 SEP.2022 10:22:17

Highest Band Edge / 1 RB



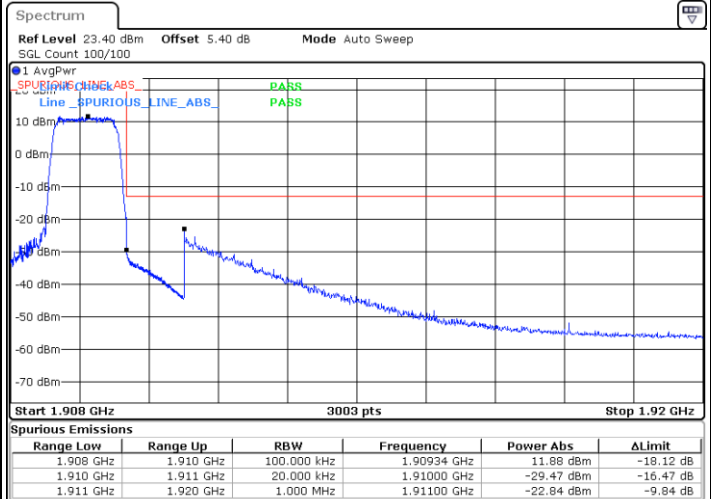
Date: 8 SEP.2022 10:40:01

Lowest Band Edge / Full RB



Date: 8 SEP.2022 10:30:54

Highest Band Edge / Full RB

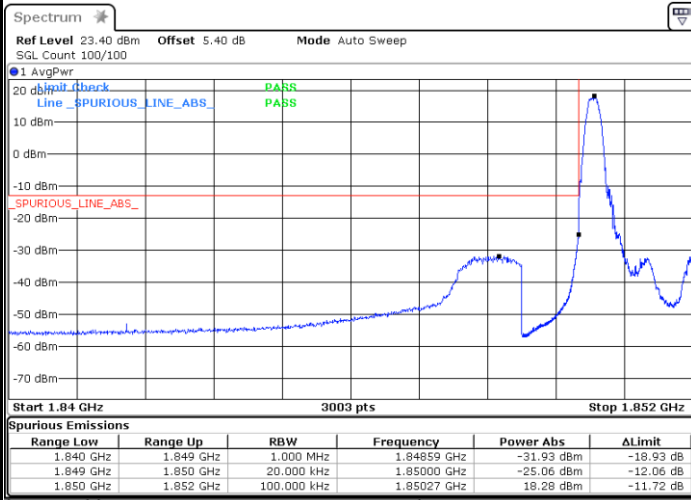


Date: 8 SEP.2022 10:44:13



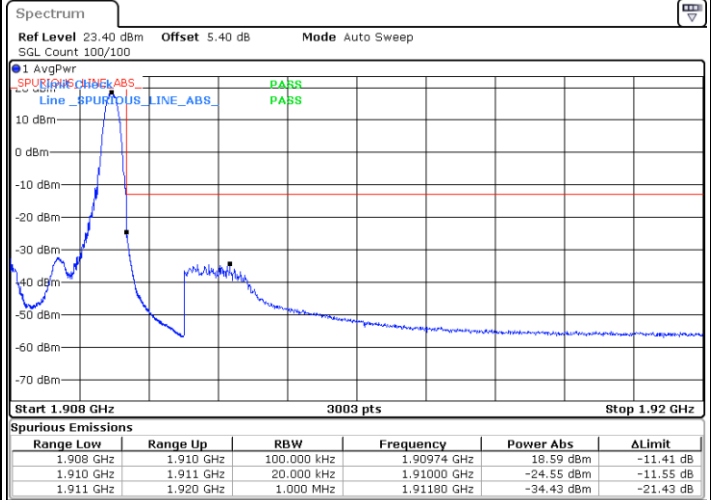
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



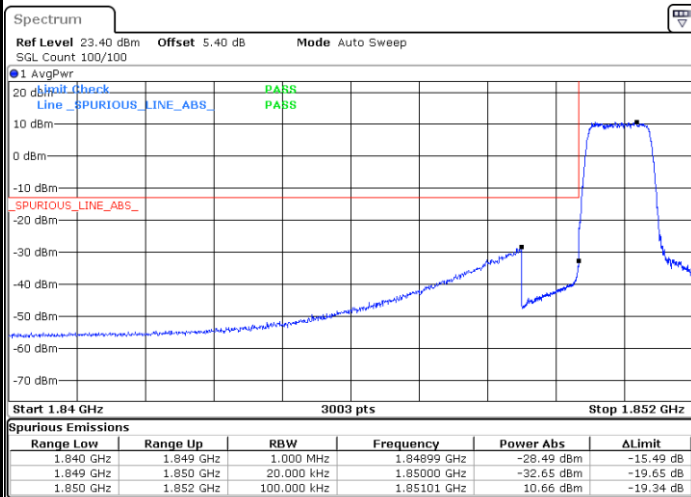
Date: 8 SEP.2022 10:27:54

Highest Band Edge / 1 RB



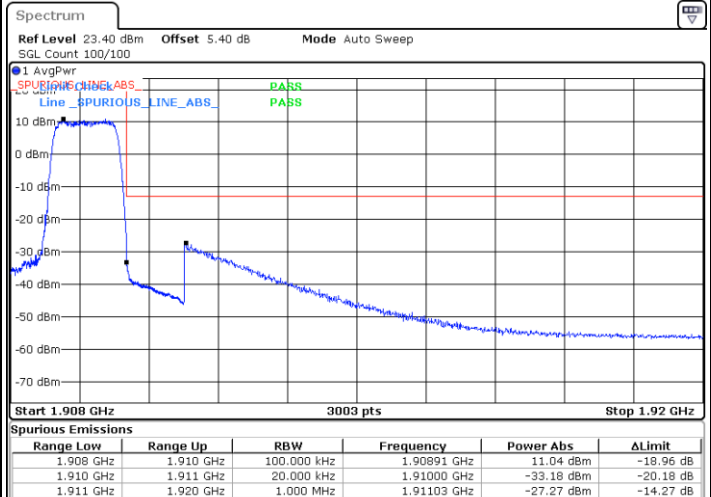
Date: 8 SEP.2022 10:41:24

Lowest Band Edge / Full RB



Date: 8 SEP.2022 10:29:35

Highest Band Edge / Full RB

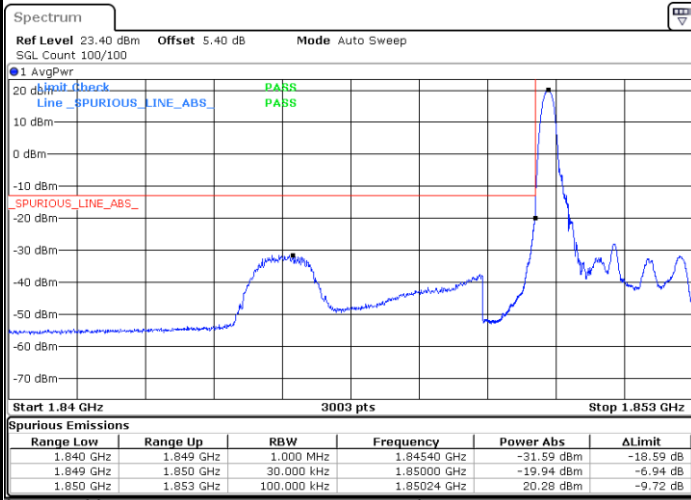


Date: 8 SEP.2022 10:42:53



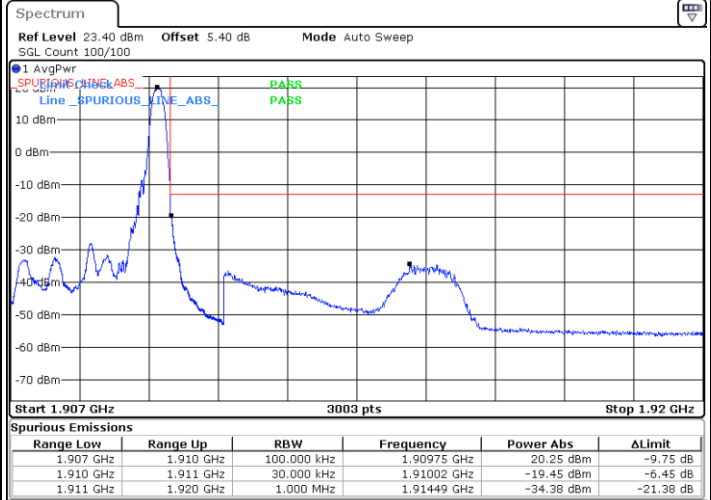
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



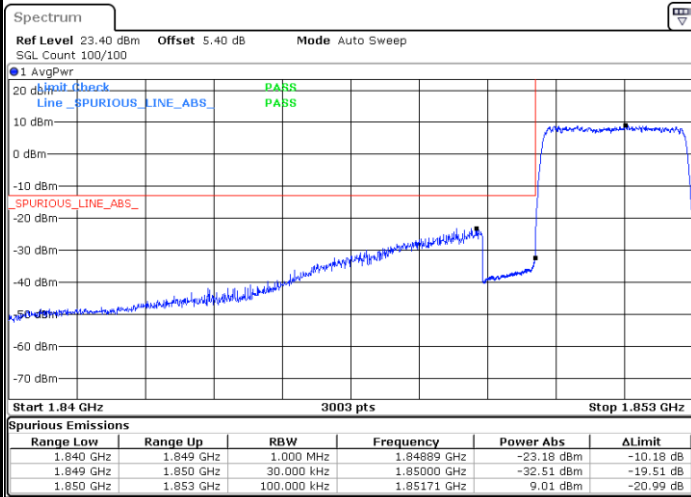
Date: 8 SEP.2022 10:57:27

Highest Band Edge / 1 RB



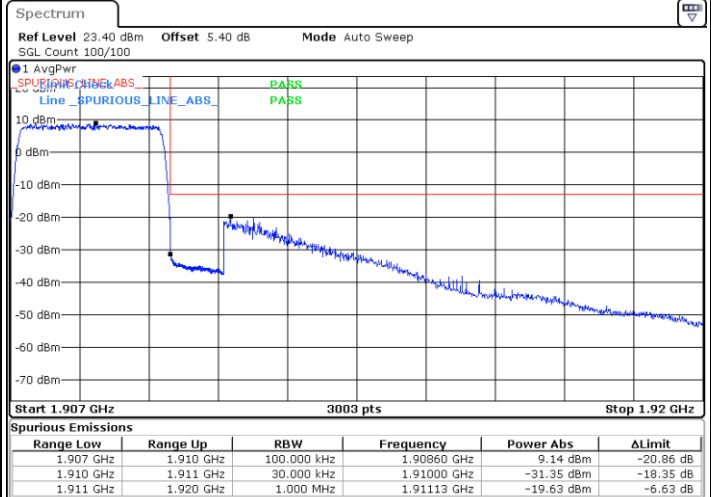
Date: 8 SEP.2022 11:10:22

Lowest Band Edge / Full RB



Date: 8 SEP.2022 10:47:08

Highest Band Edge / Full RB

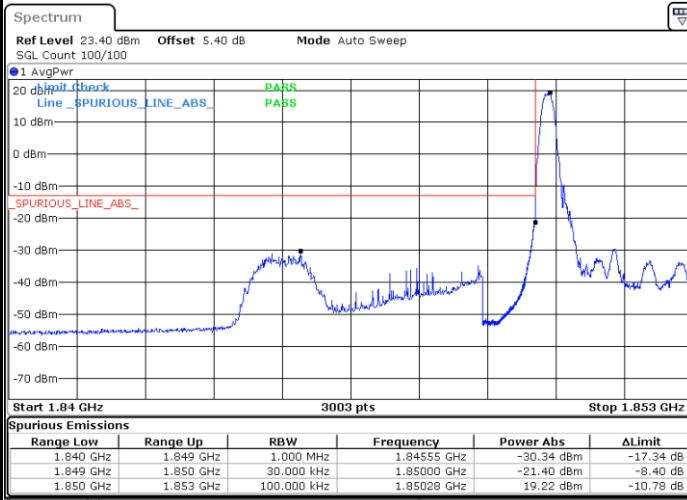


Date: 8 SEP.2022 11:16:25



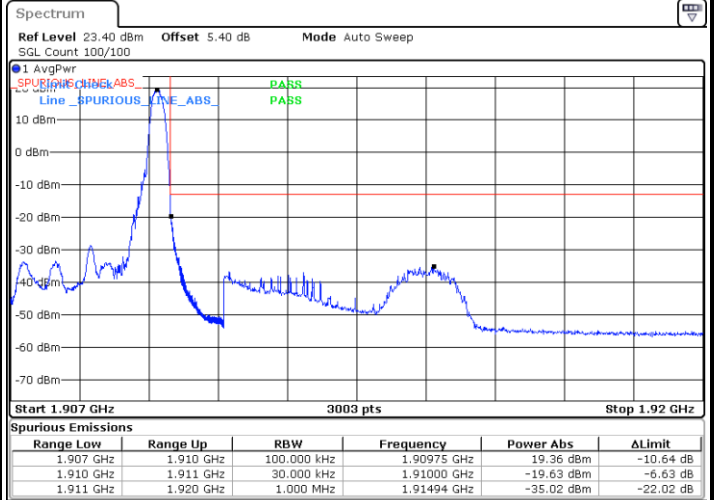
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



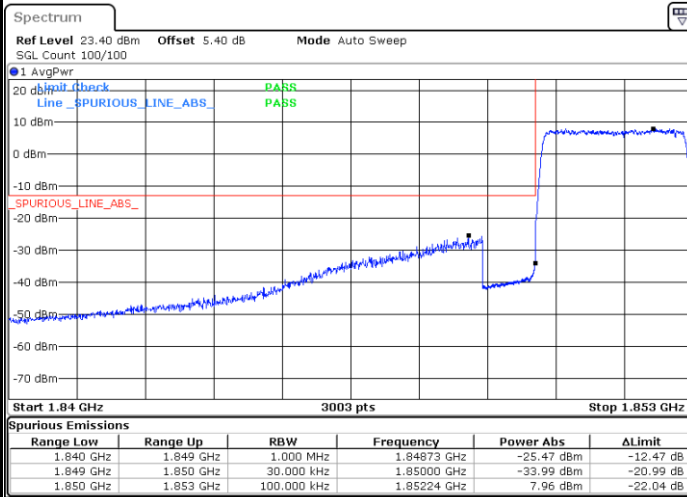
Date: 8 SEP.2022 10:56:10

Highest Band Edge / 1 RB



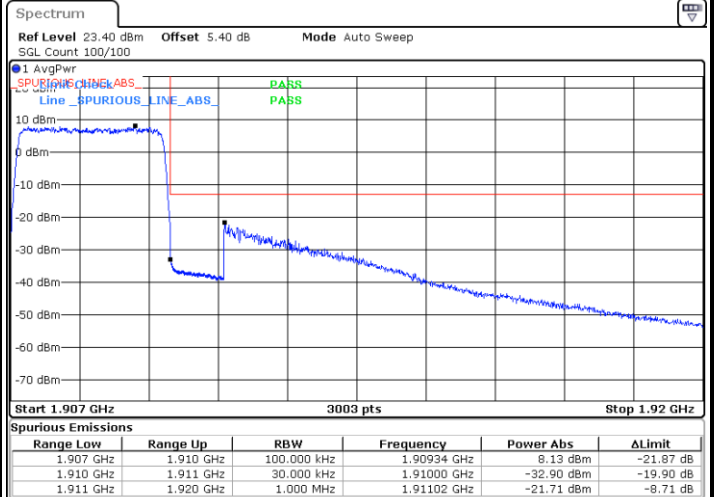
Date: 8 SEP.2022 11:11:25

Lowest Band Edge / Full RB



Date: 8 SEP.2022 10:50:37

Highest Band Edge / Full RB

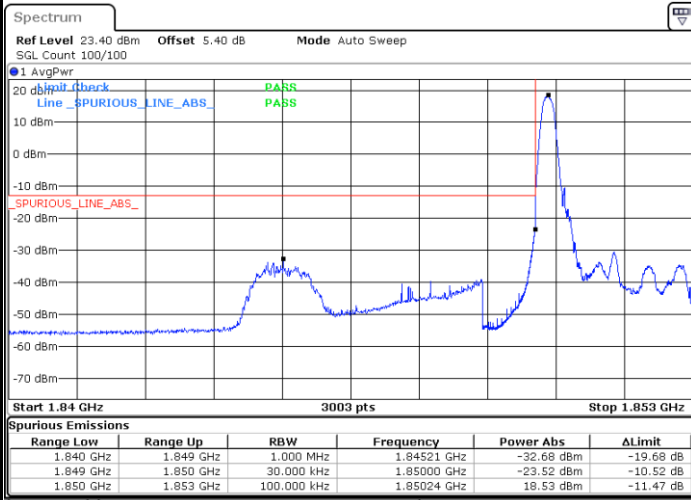


Date: 8 SEP.2022 11:15:32



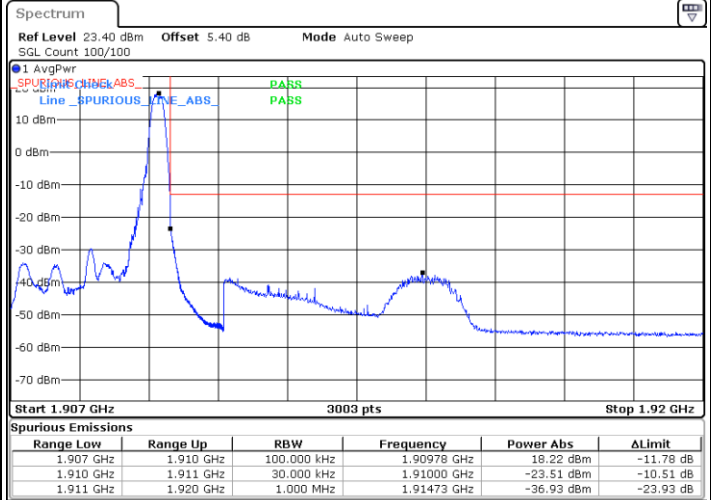
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



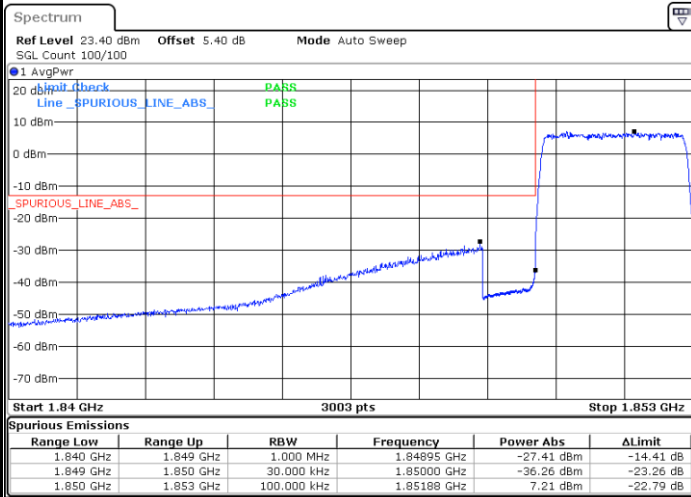
Date: 8 SEP.2022 10:54:23

Highest Band Edge / 1 RB



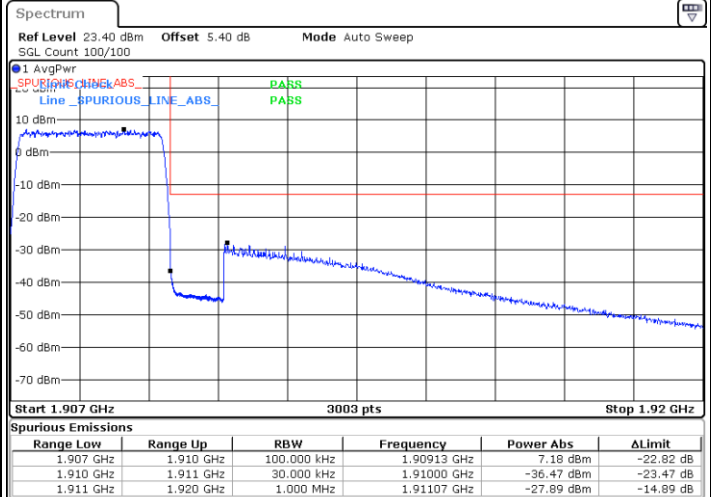
Date: 8 SEP.2022 11:12:53

Lowest Band Edge / Full RB



Date: 8 SEP.2022 10:51:44

Highest Band Edge / Full RB

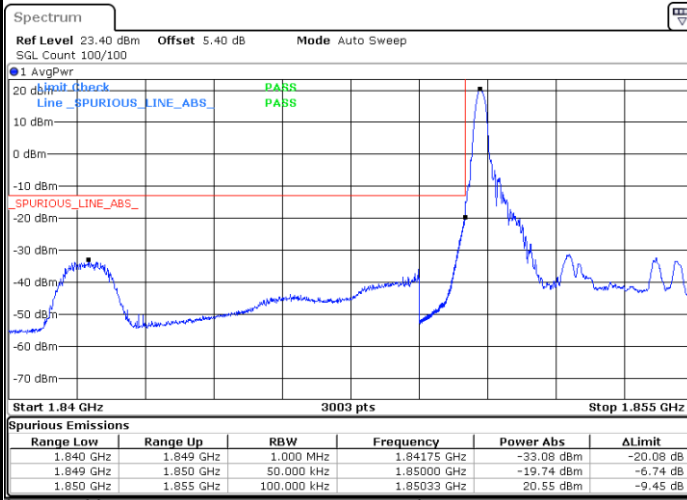


Date: 8 SEP.2022 11:14:18



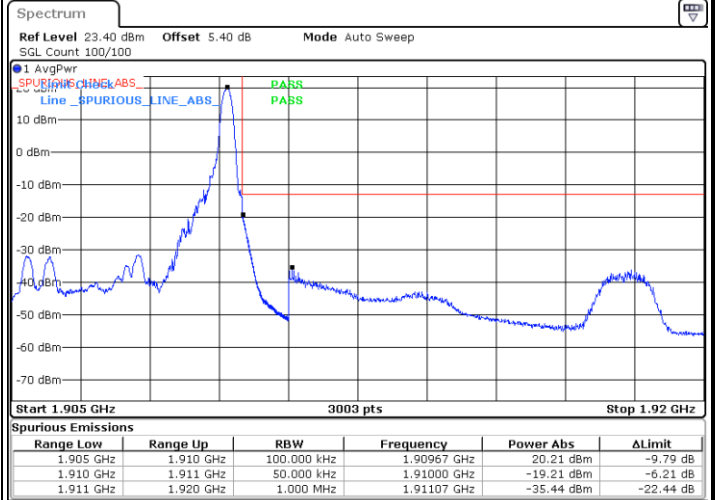
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



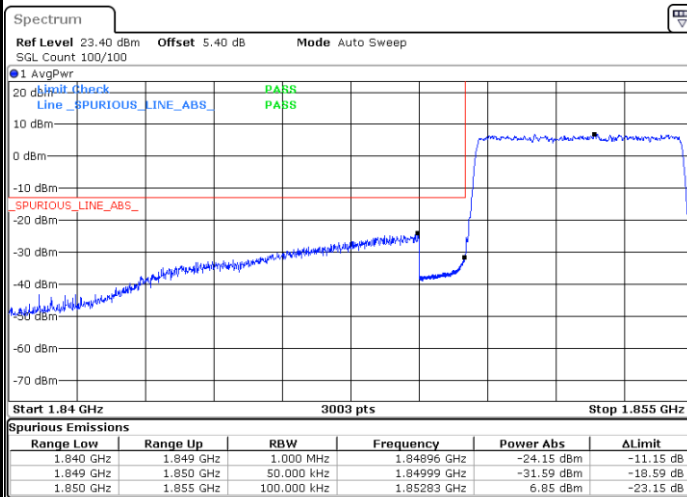
Date: 8 SEP.2022 11:21:27

Highest Band Edge / 1 RB



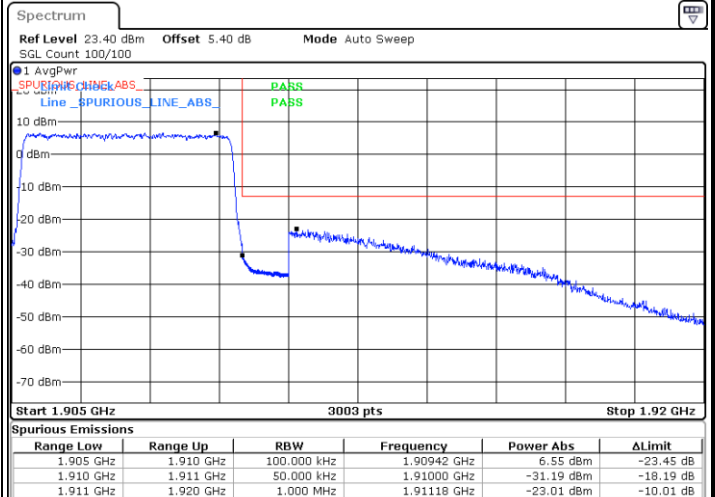
Date: 8 SEP.2022 11:34:44

Lowest Band Edge / Full RB



Date: 8 SEP.2022 11:26:30

Highest Band Edge / Full RB

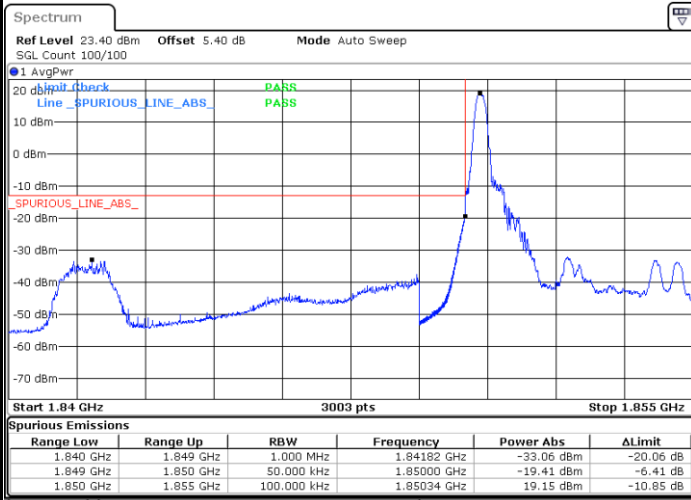


Date: 8 SEP.2022 11:40:19



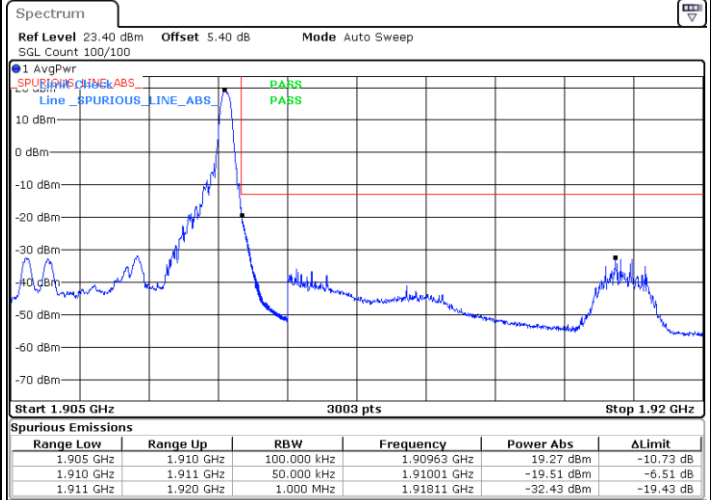
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



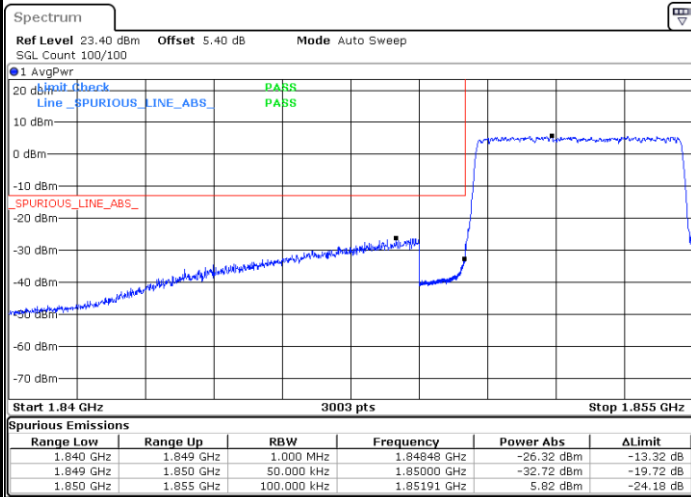
Date: 8 SEP.2022 11:21:58

Highest Band Edge / 1 RB



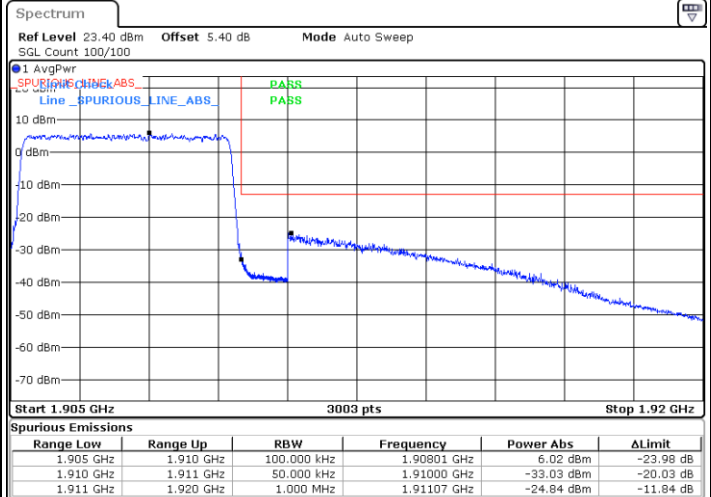
Date: 8 SEP.2022 11:35:48

Lowest Band Edge / Full RB



Date: 8 SEP.2022 11:24:26

Highest Band Edge / Full RB

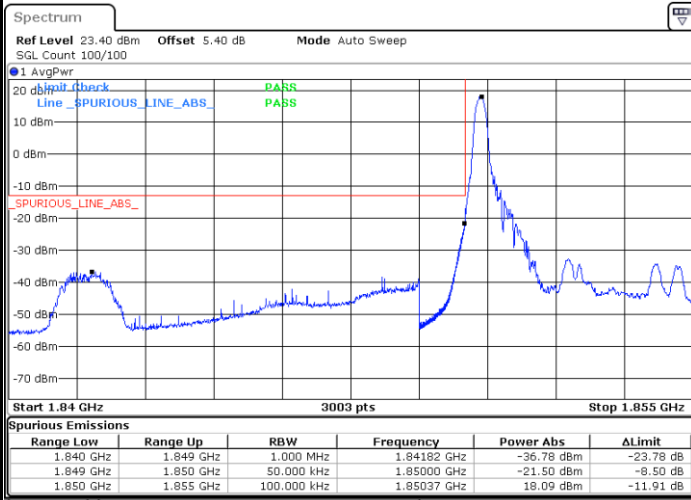


Date: 8 SEP.2022 11:39:24



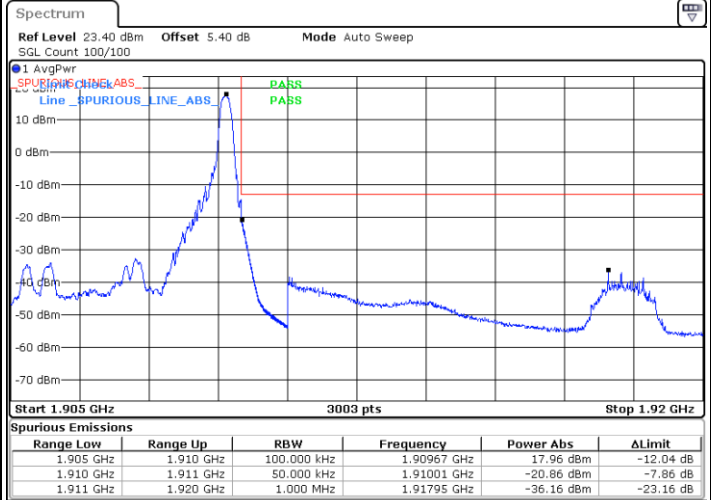
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



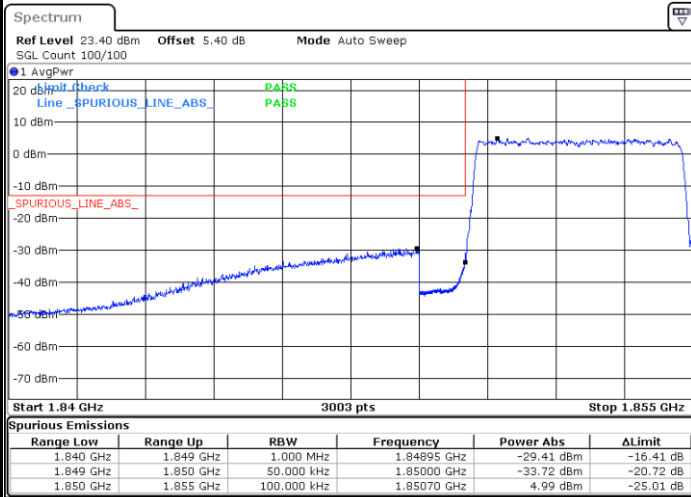
Date: 8 SEP.2022 11:23:12

Highest Band Edge / 1 RB



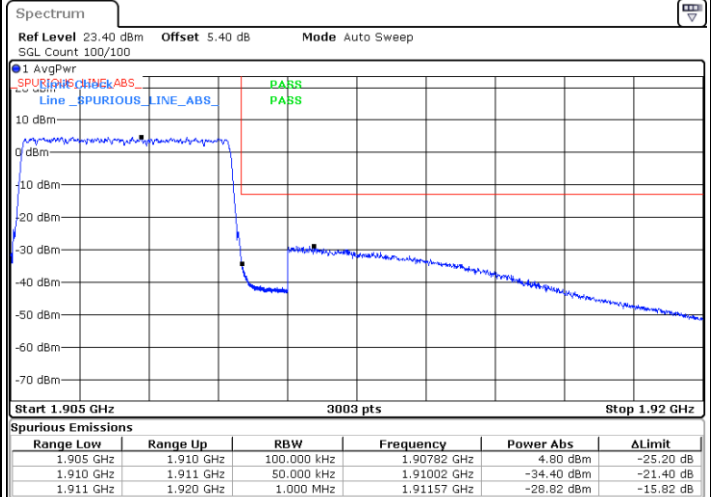
Date: 8 SEP.2022 11:36:57

Lowest Band Edge / Full RB



Date: 8 SEP.2022 11:25:37

Highest Band Edge / Full RB

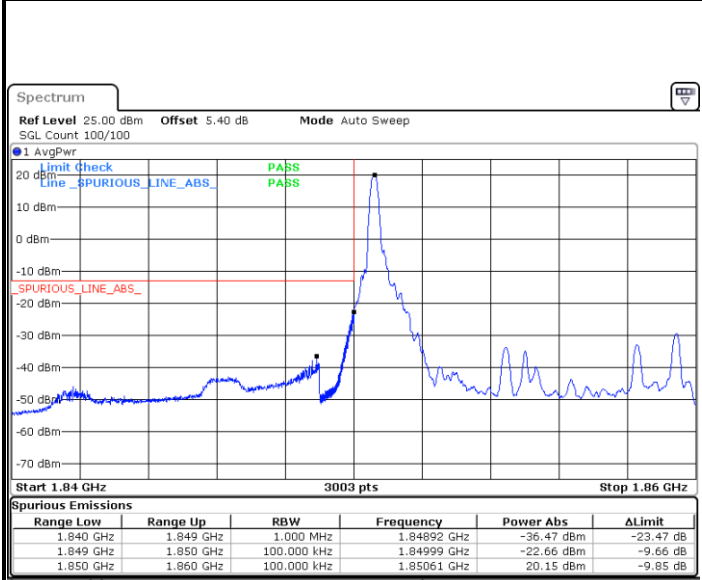


Date: 8 SEP.2022 11:38:32



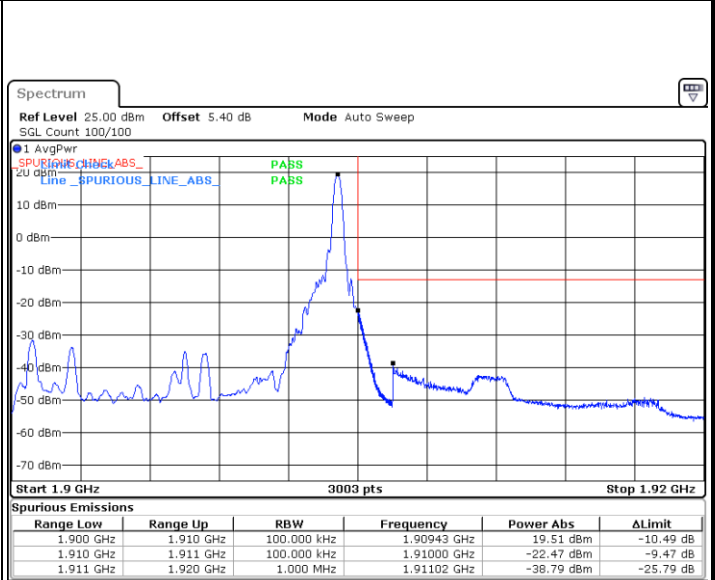
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



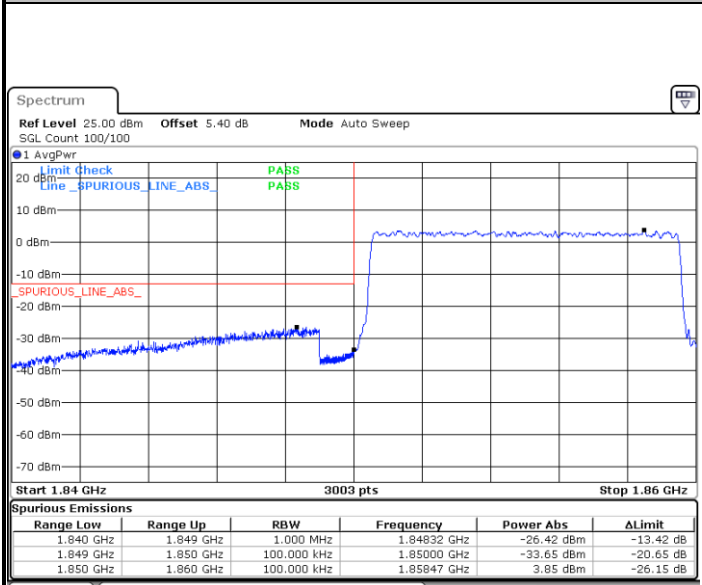
Date: 8 SEP.2022 11:47:26

Highest Band Edge / 1 RB



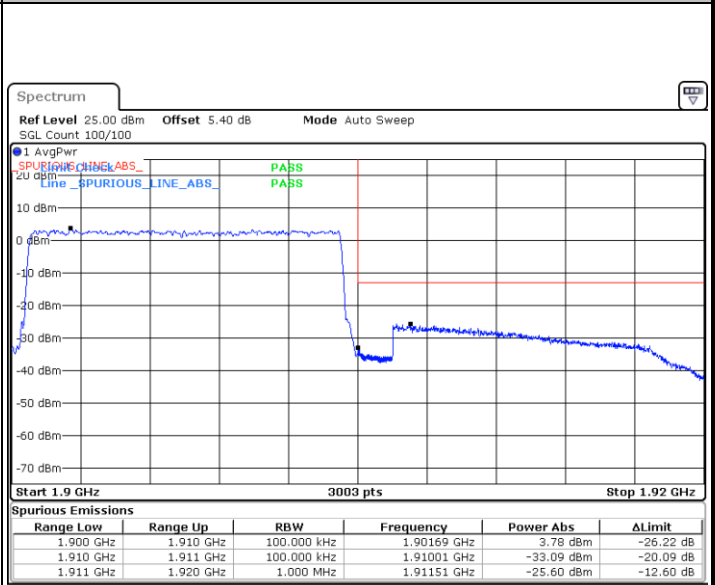
Date: 8 SEP.2022 12:12:04

Lowest Band Edge / Full RB



Date: 8 SEP.2022 12:05:26

Highest Band Edge / Full RB

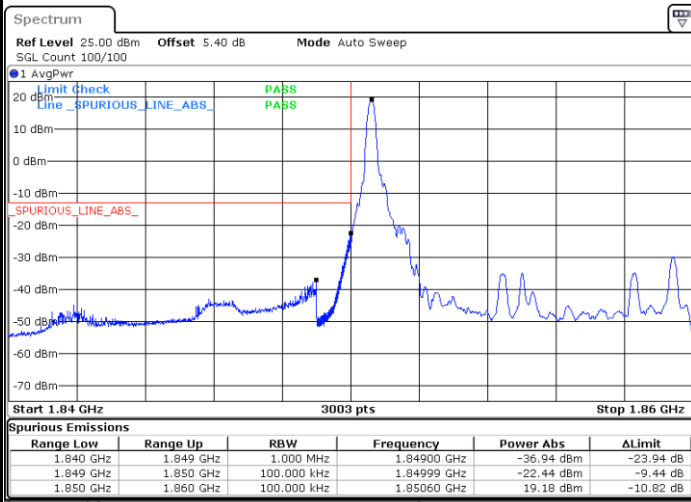


Date: 8 SEP.2022 12:07:19



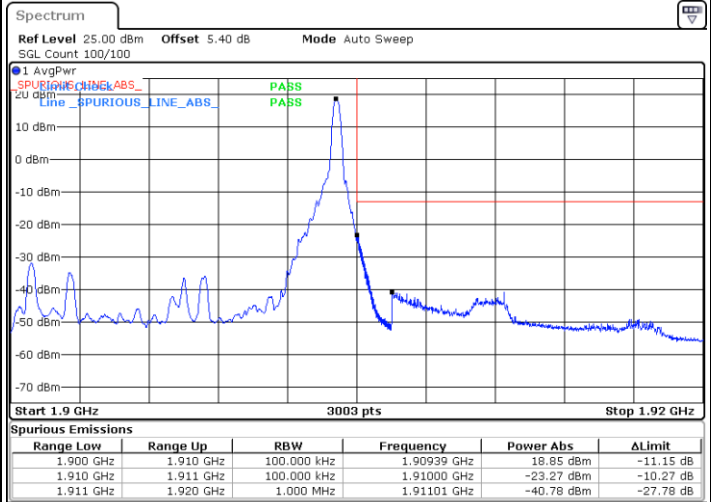
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



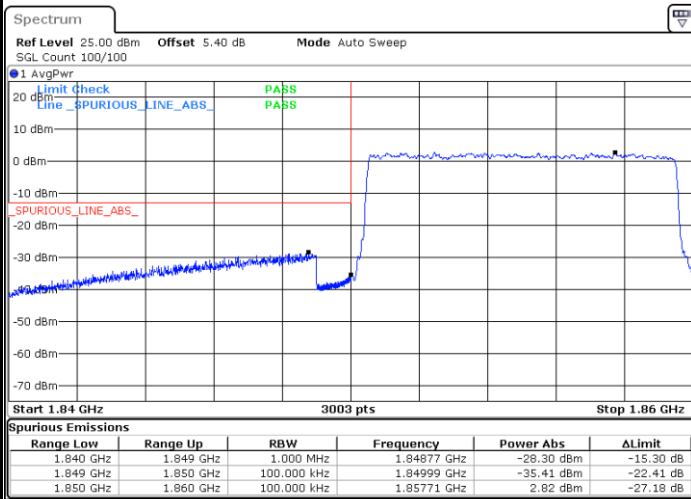
Date: 8 SEP.2022 11:48:39

Highest Band Edge / 1 RB



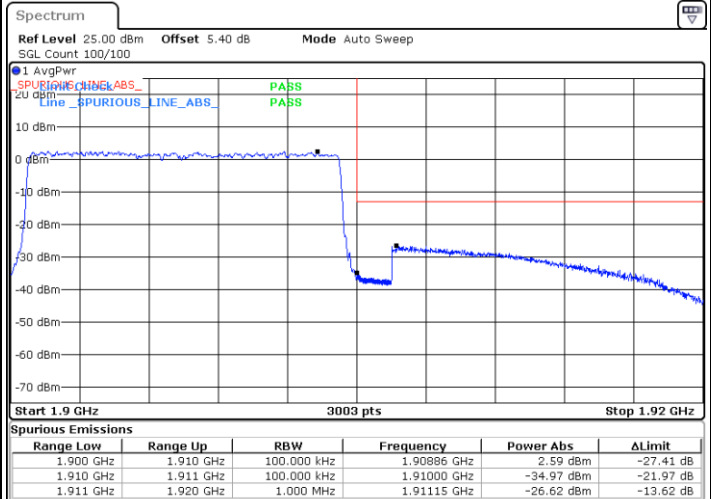
Date: 8 SEP.2022 12:11:18

Lowest Band Edge / Full RB



Date: 8 SEP.2022 12:03:51

Highest Band Edge / Full RB

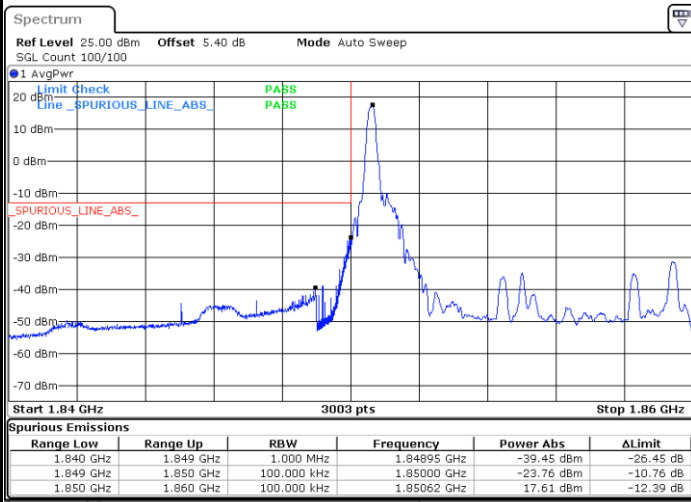


Date: 8 SEP.2022 12:09:31



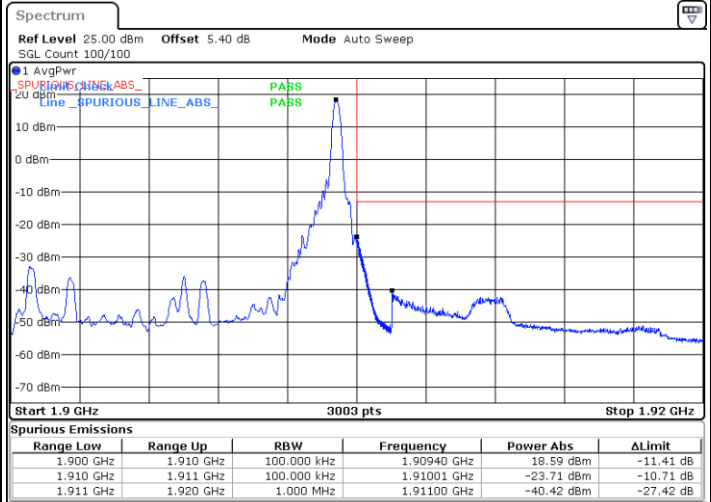
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



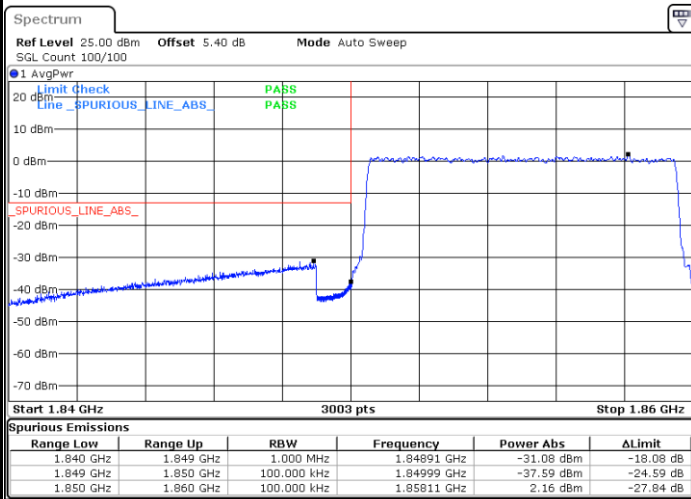
Date: 8 SEP.2022 11:49:15

Highest Band Edge / 1 RB



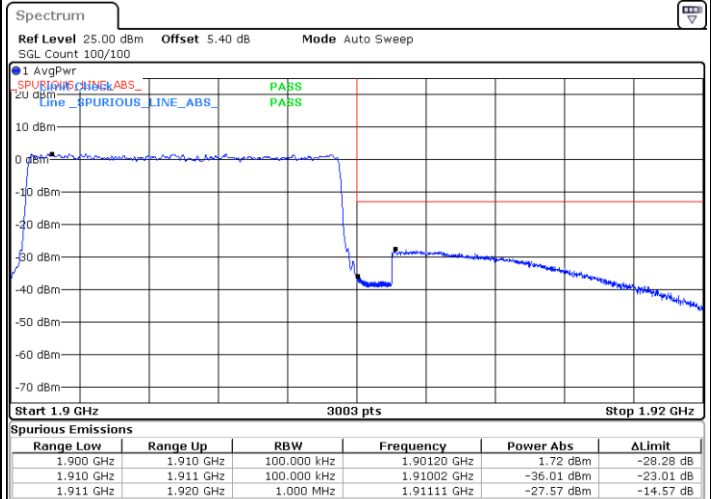
Date: 8 SEP.2022 12:10:38

Lowest Band Edge / Full RB



Date: 8 SEP.2022 11:50:09

Highest Band Edge / Full RB

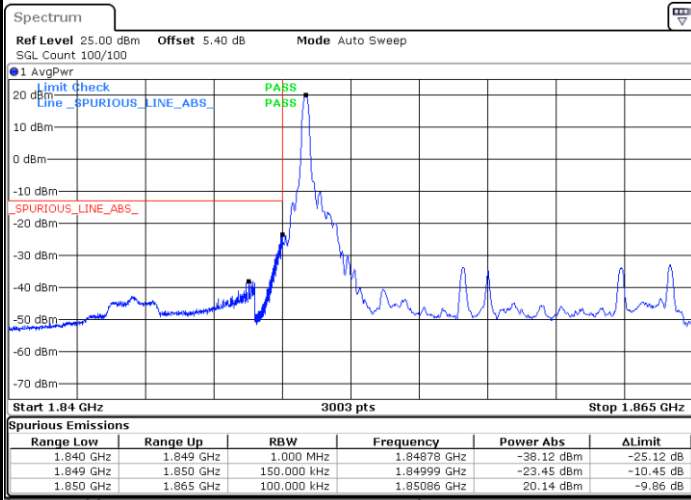


Date: 8 SEP.2022 12:10:05



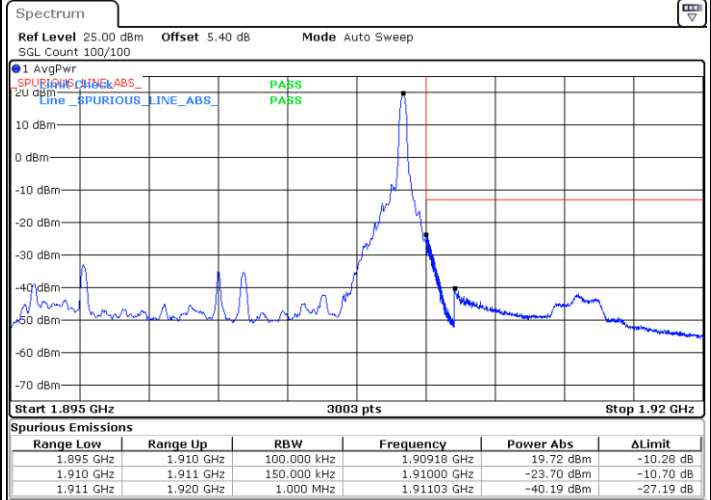
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



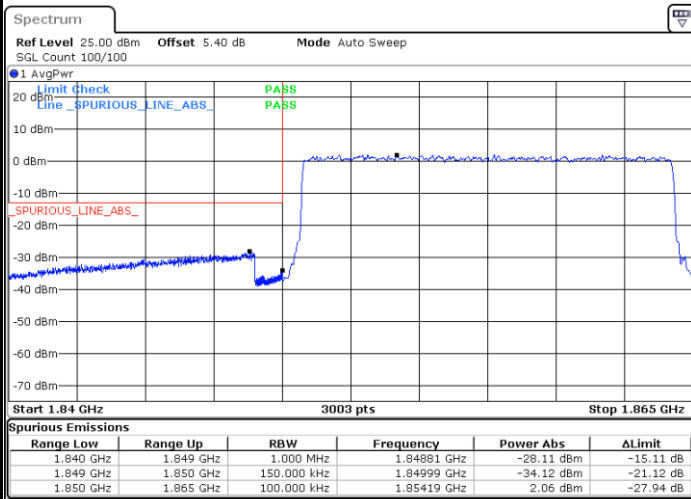
Date: 8 SEP.2022 12:16:49

Highest Band Edge / 1 RB



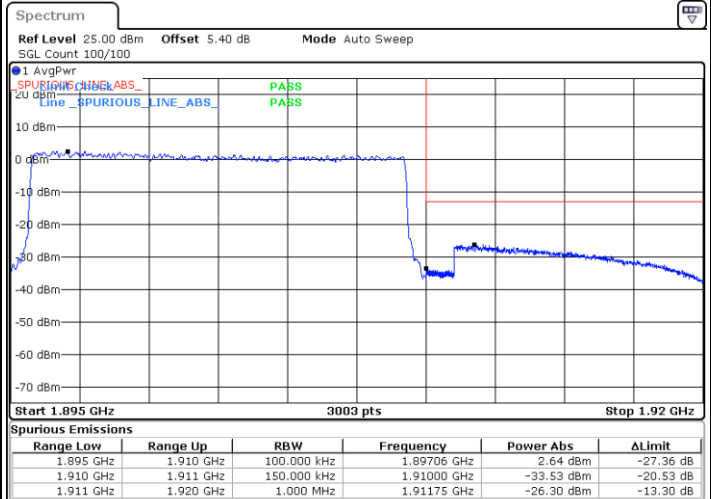
Date: 8 SEP.2022 12:27:53

Lowest Band Edge / Full RB



Date: 8 SEP.2022 12:22:32

Highest Band Edge / Full RB

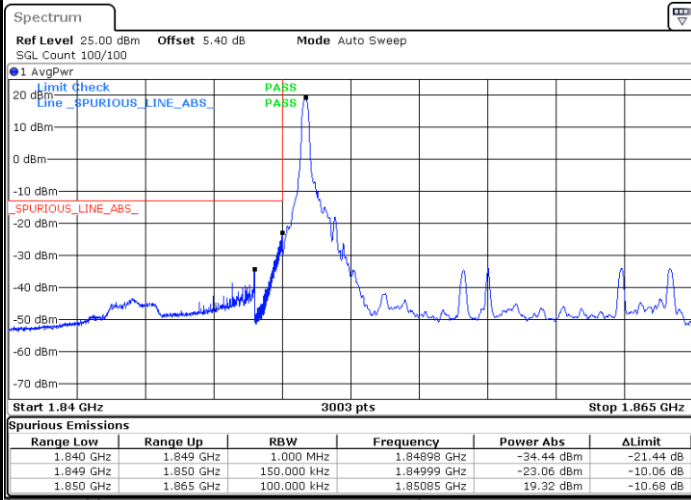


Date: 8 SEP.2022 12:23:50



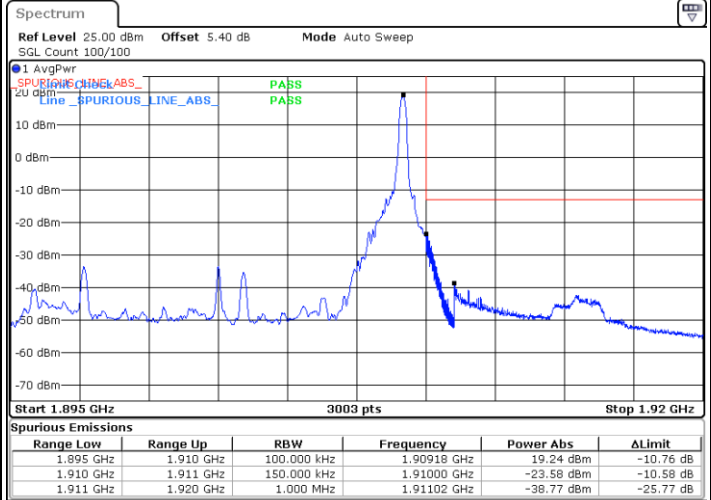
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



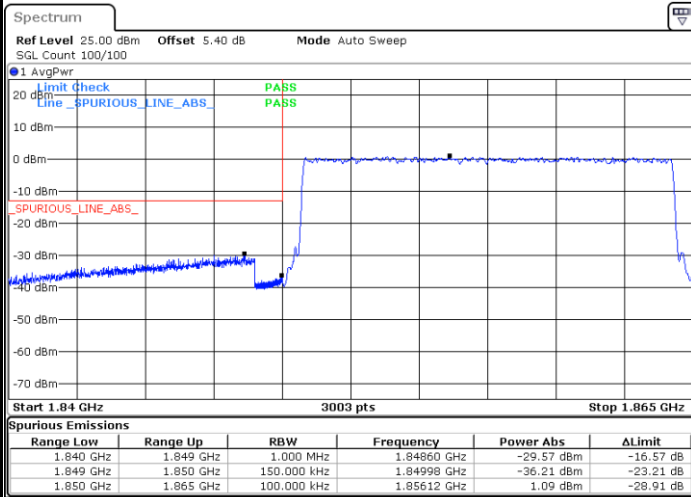
Date: 8 SEP.2022 12:18:00

Highest Band Edge / 1 RB



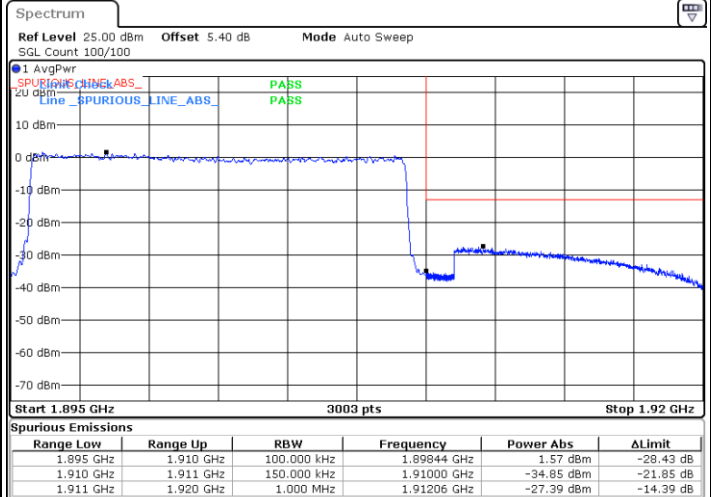
Date: 8 SEP.2022 12:26:07

Lowest Band Edge / Full RB



Date: 8 SEP.2022 12:20:07

Highest Band Edge / Full RB

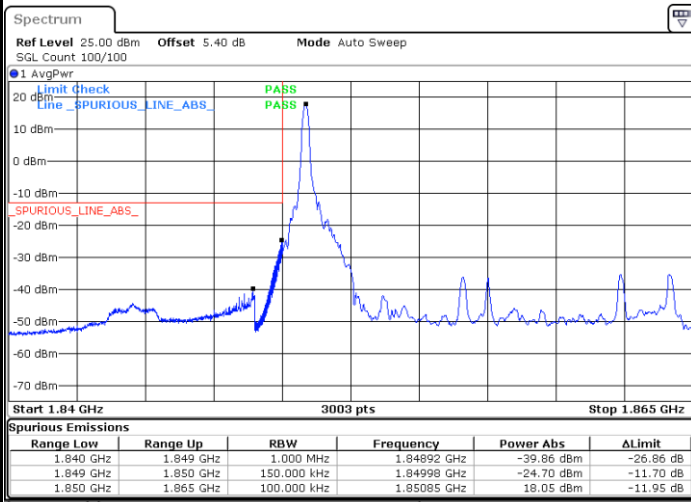


Date: 8 SEP.2022 12:24:31



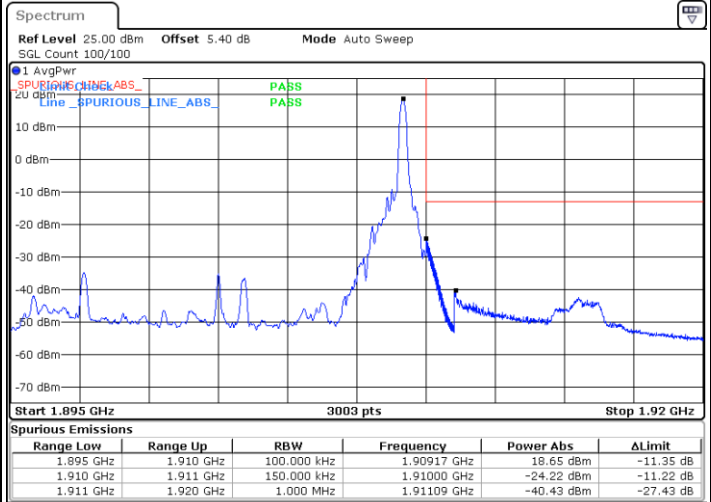
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



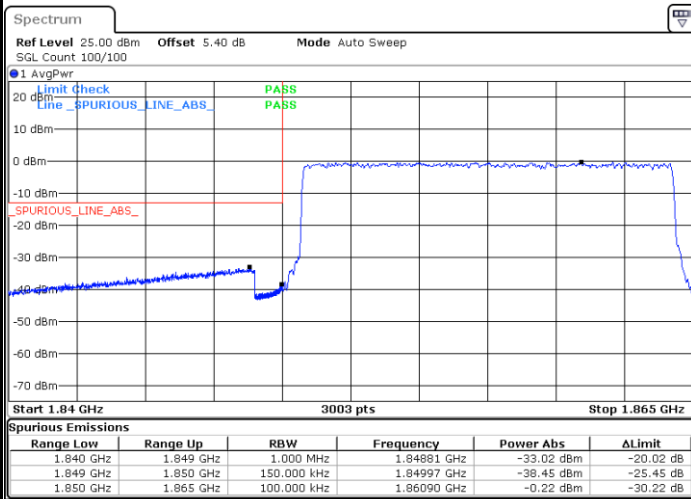
Date: 8 SEP.2022 12:18:50

Highest Band Edge / 1 RB



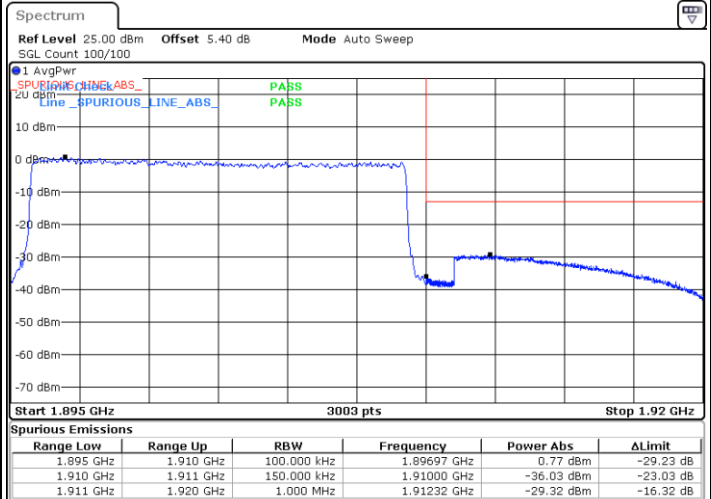
Date: 8 SEP.2022 12:25:45

Lowest Band Edge / Full RB



Date: 8 SEP.2022 12:19:31

Highest Band Edge / Full RB

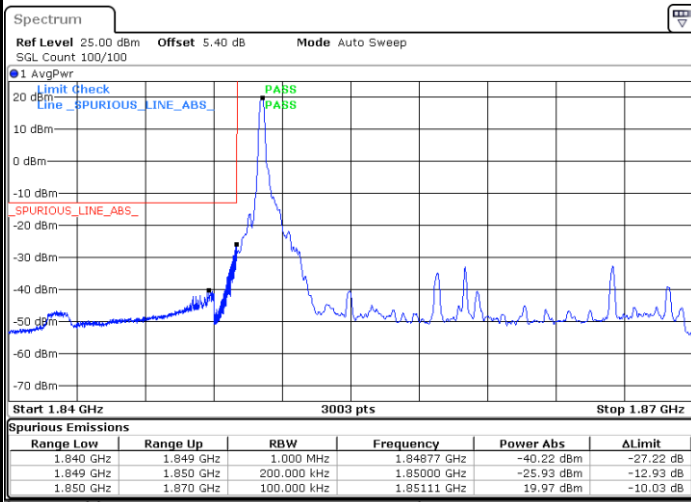


Date: 8 SEP.2022 12:24:58



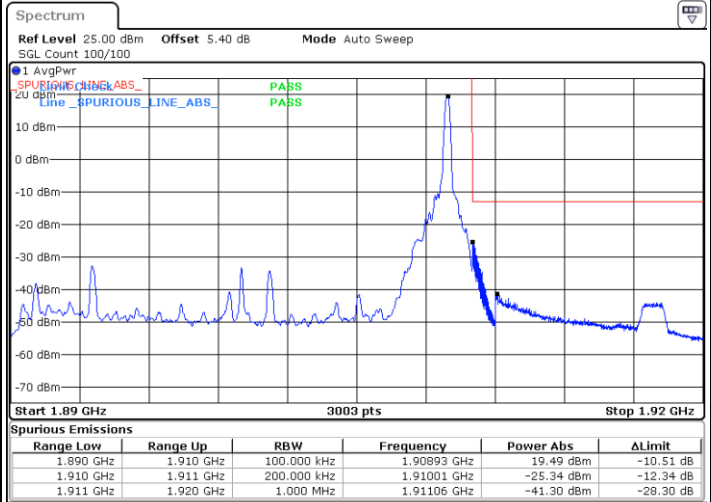
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



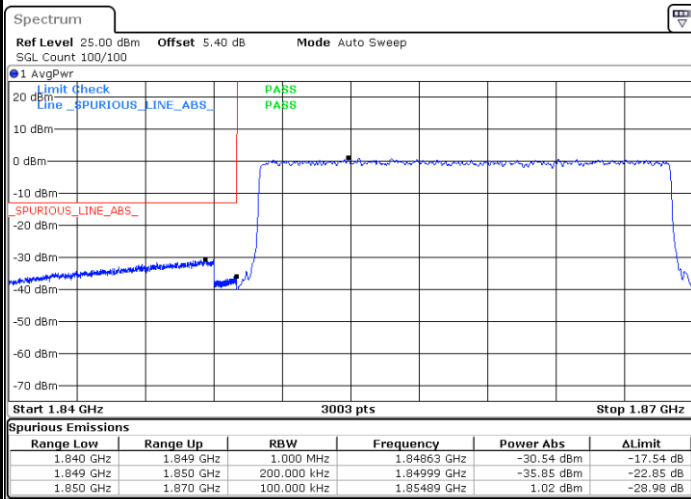
Date: 8 SEP.2022 12:34:12

Highest Band Edge / 1 RB



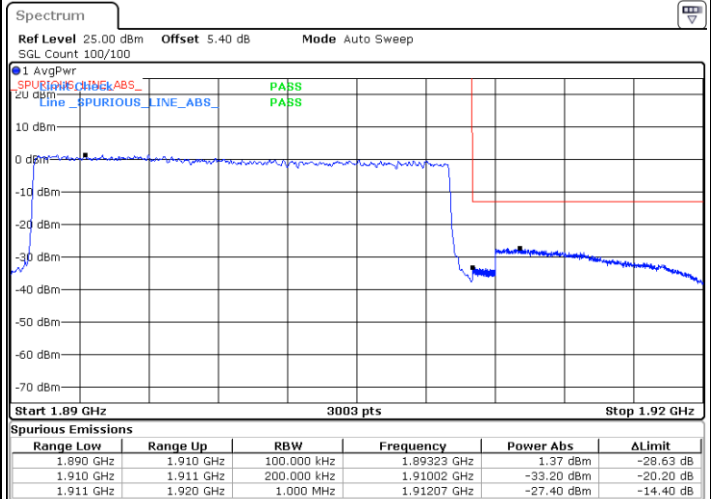
Date: 8 SEP.2022 12:46:01

Lowest Band Edge / Full RB



Date: 8 SEP.2022 12:39:38

Highest Band Edge / Full RB

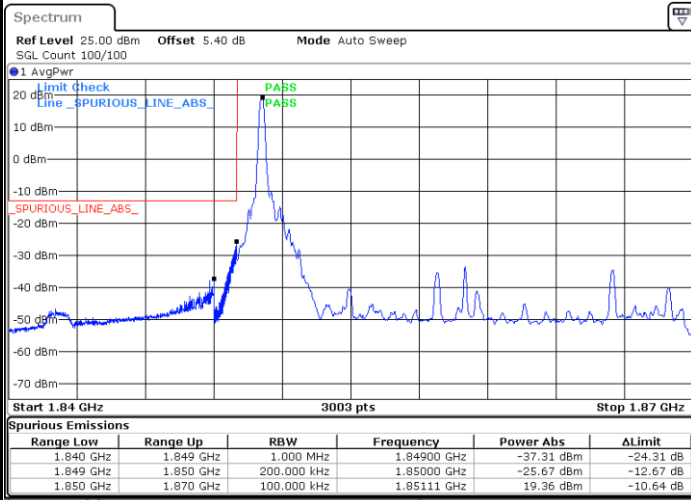


Date: 8 SEP.2022 12:51:56



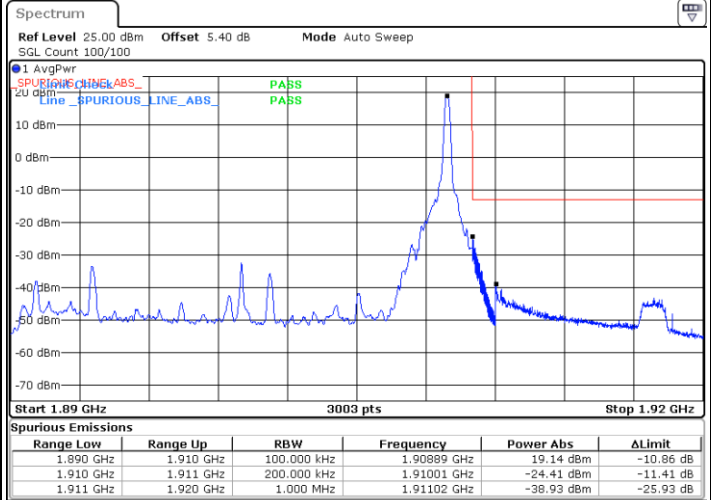
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



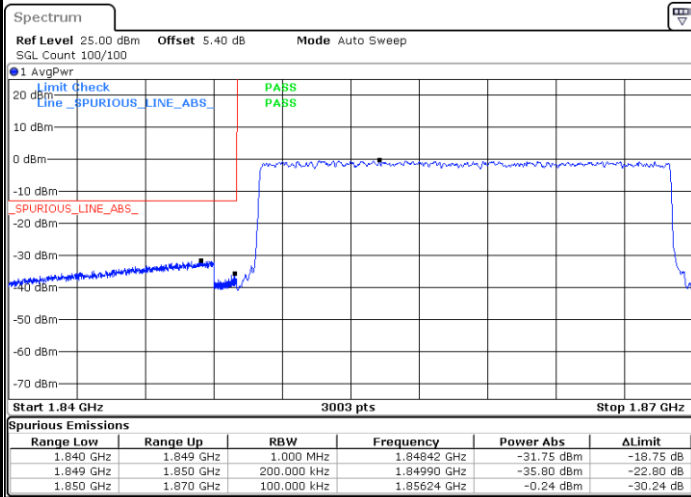
Date: 8 SEP.2022 12:36:17

Highest Band Edge / 1 RB



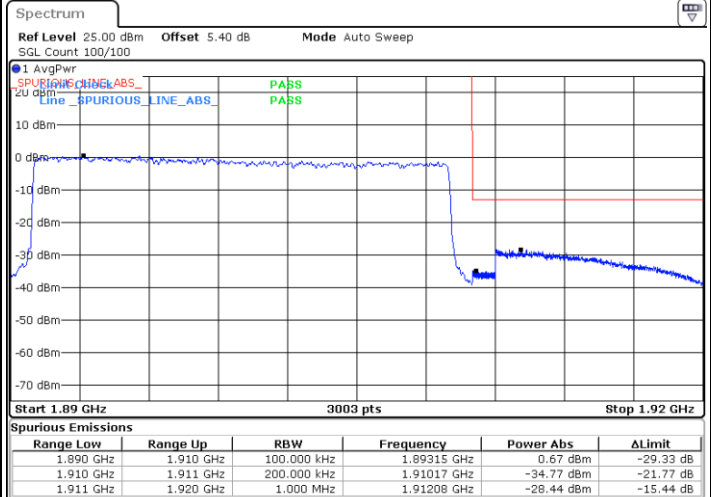
Date: 8 SEP.2022 12:47:04

Lowest Band Edge / Full RB



Date: 8 SEP.2022 12:38:55

Highest Band Edge / Full RB

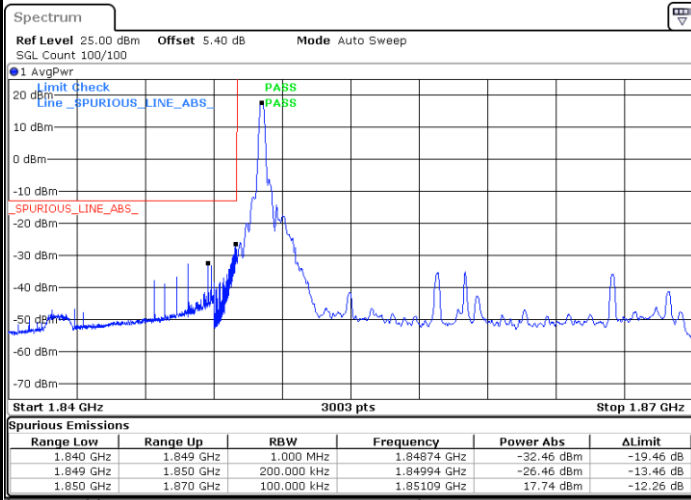


Date: 8 SEP.2022 12:51:05



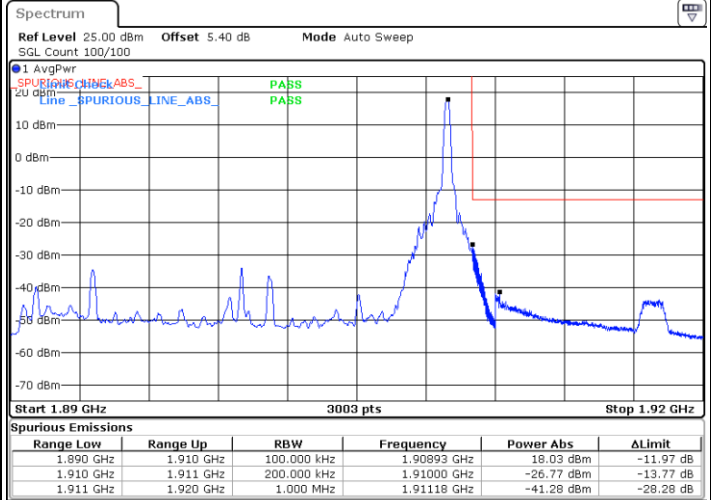
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



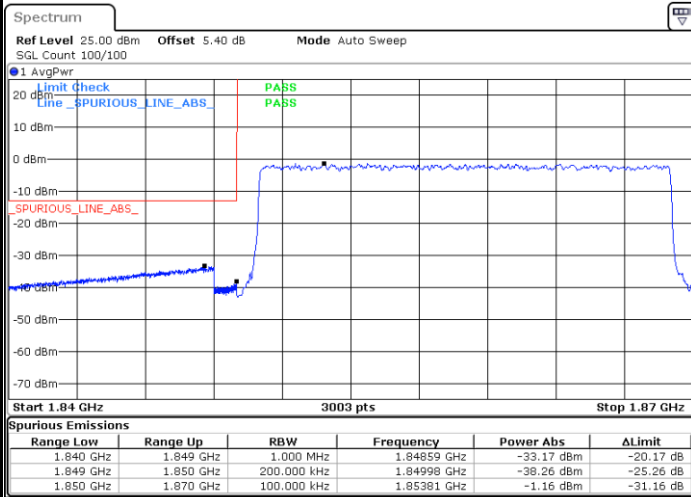
Date: 8 SEP.2022 12:37:03

Highest Band Edge / 1 RB



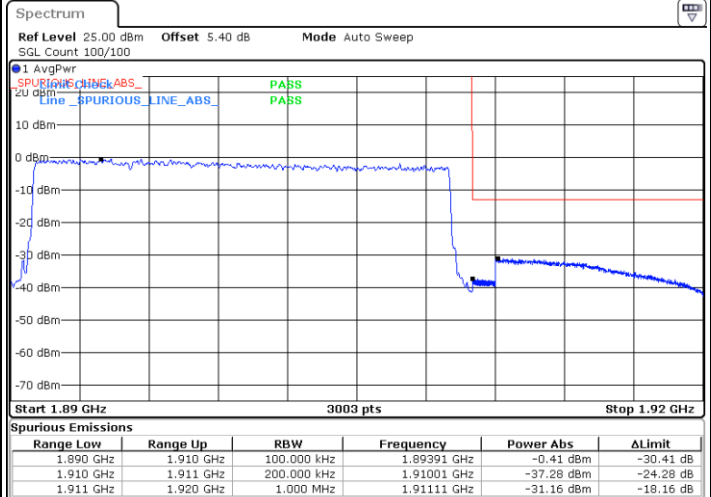
Date: 8 SEP.2022 12:49:31

Lowest Band Edge / Full RB



Date: 8 SEP.2022 12:38:11

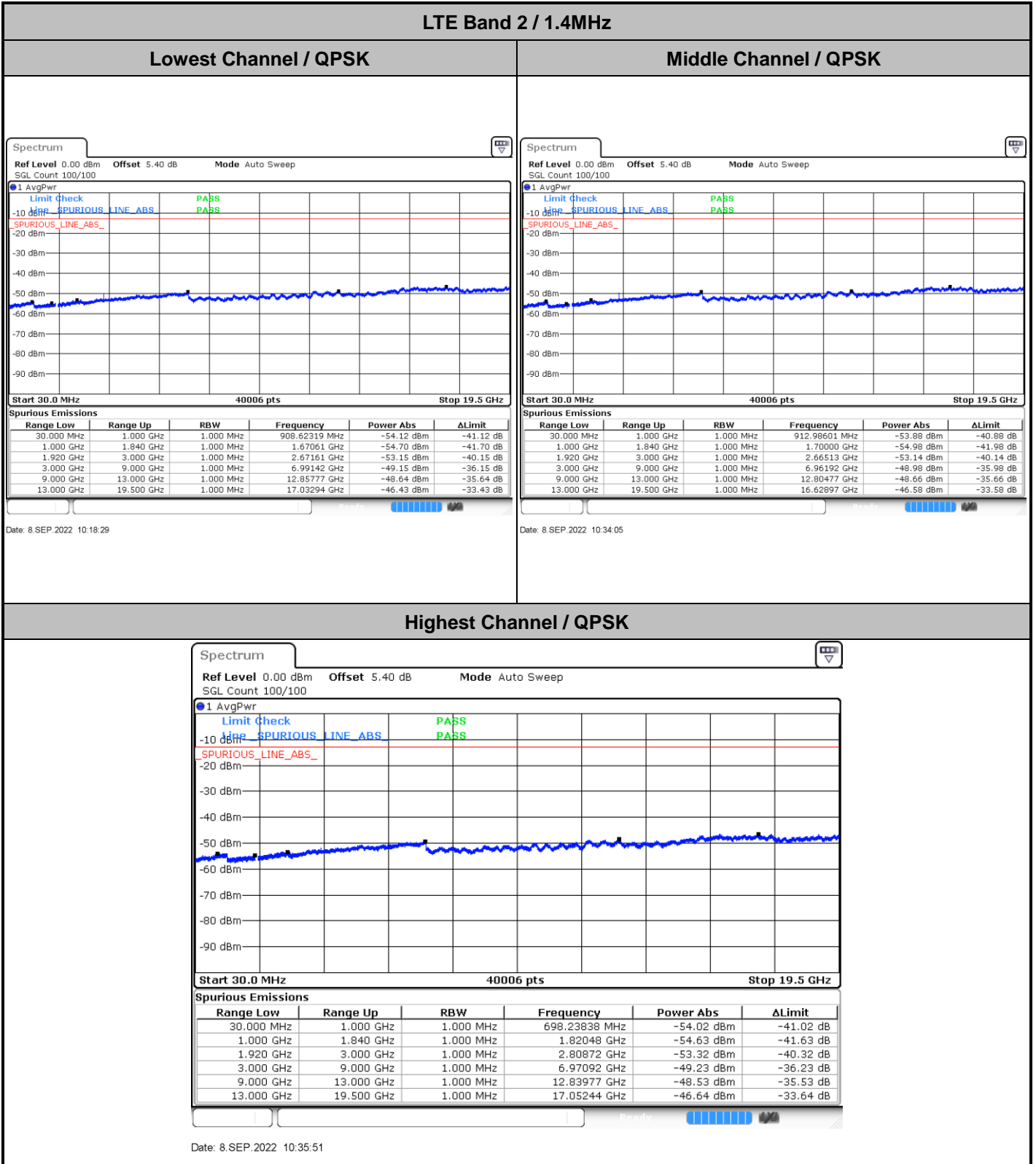
Highest Band Edge / Full RB



Date: 8 SEP.2022 12:50:30



Conducted Spurious Emission

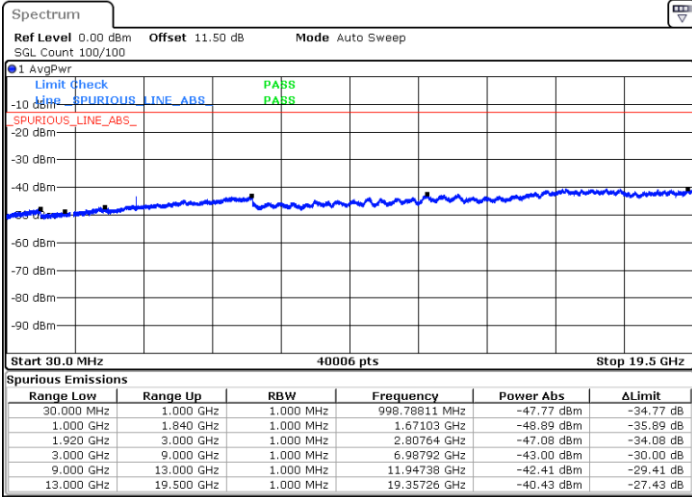




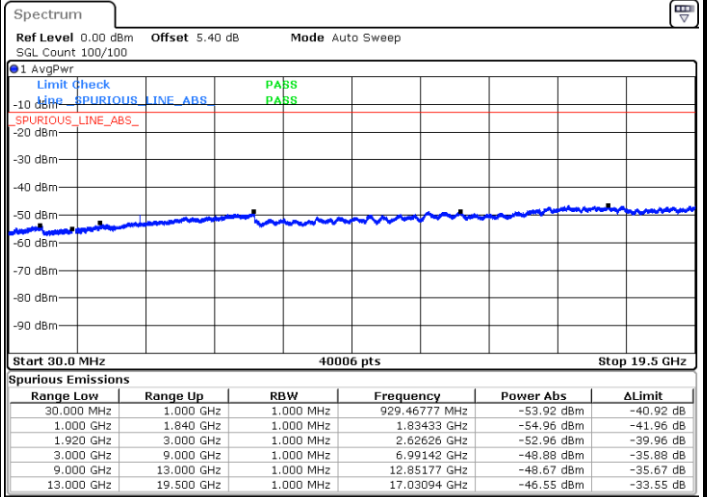
LTE Band 2 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

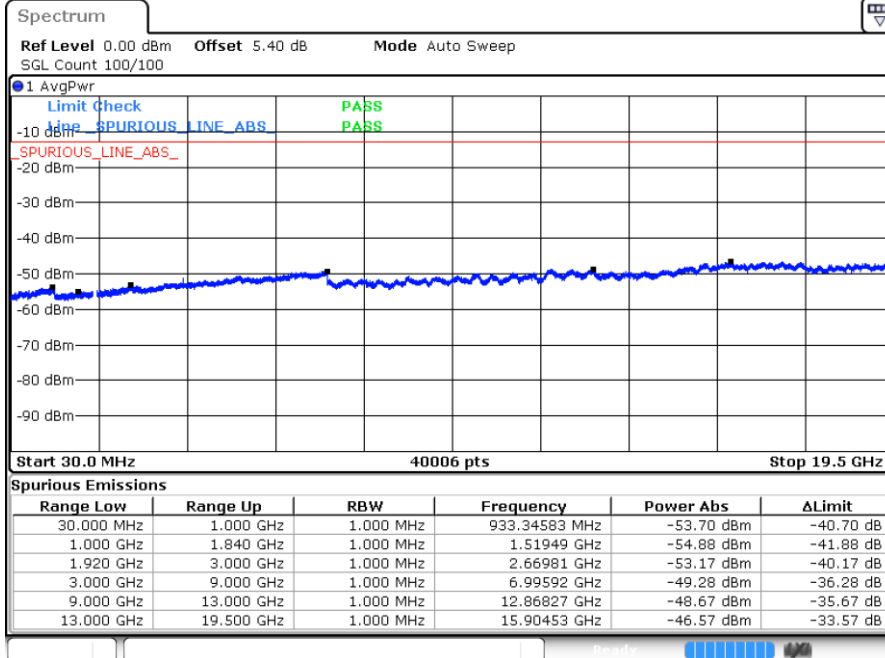


Date: 8 SEP.2022 10:58:35



Date: 8 SEP.2022 11:07:52

Highest Channel / QPSK



Date: 8.SEP.2022 11:09:18