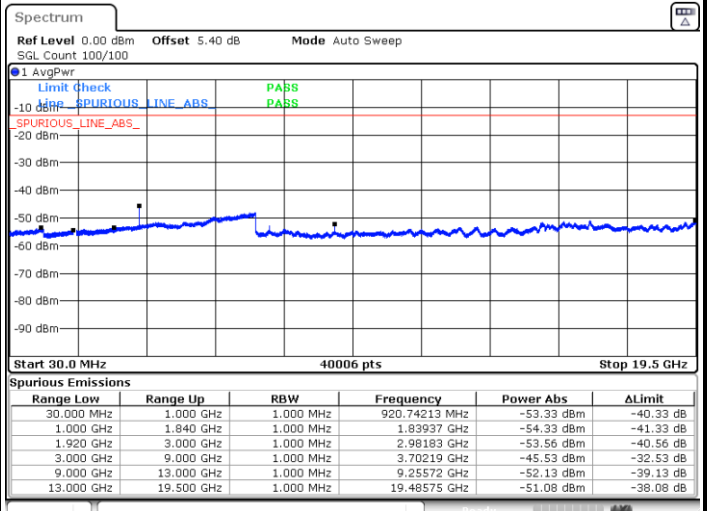
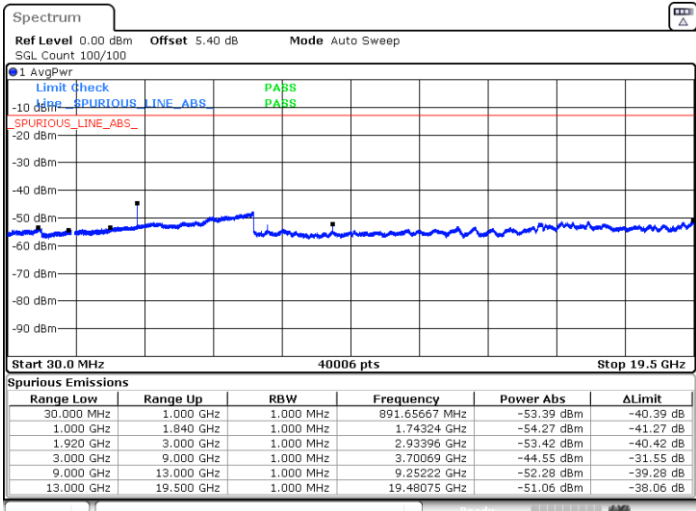




LTE Band 2 / 5MHz

Lowest Channel / QPSK

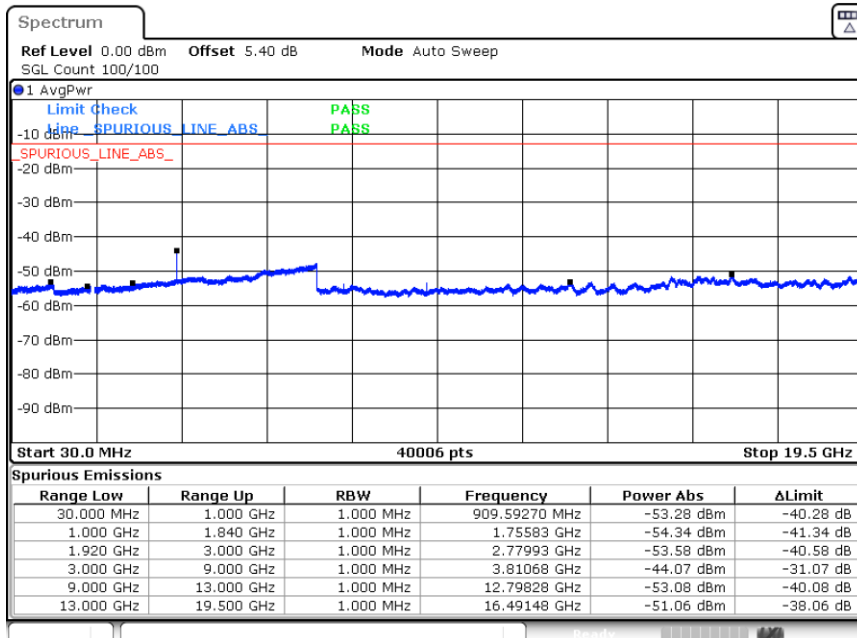
Middle Channel / QPSK



Date: 9. JUN. 2022 18:50:40

Date: 9. JUN. 2022 19:08:05

Highest Channel / QPSK

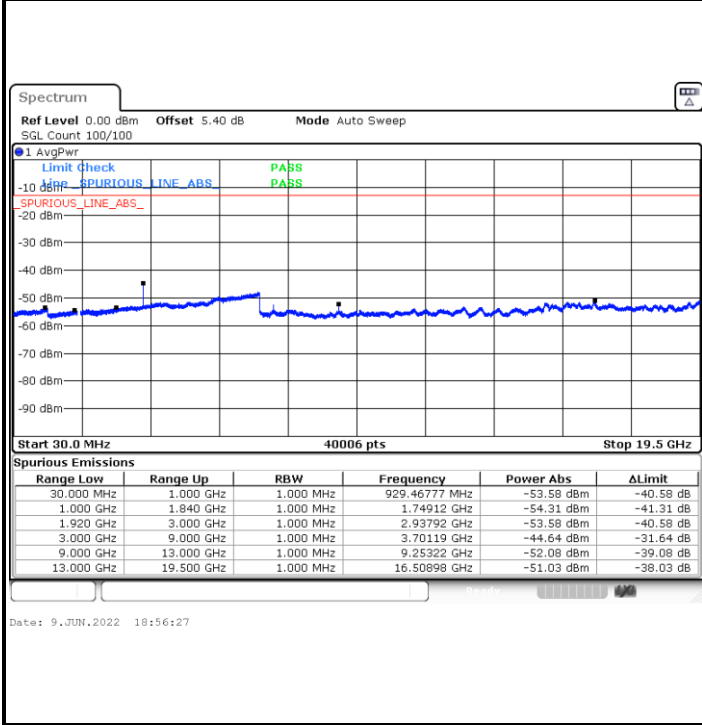


Date: 9. JUN. 2022 18:54:31

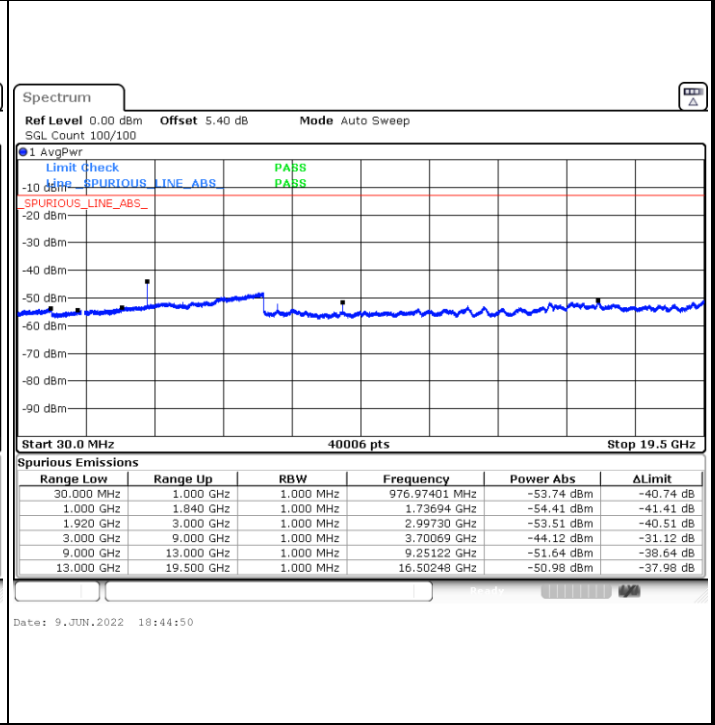


LTE Band 2 / 10MHz

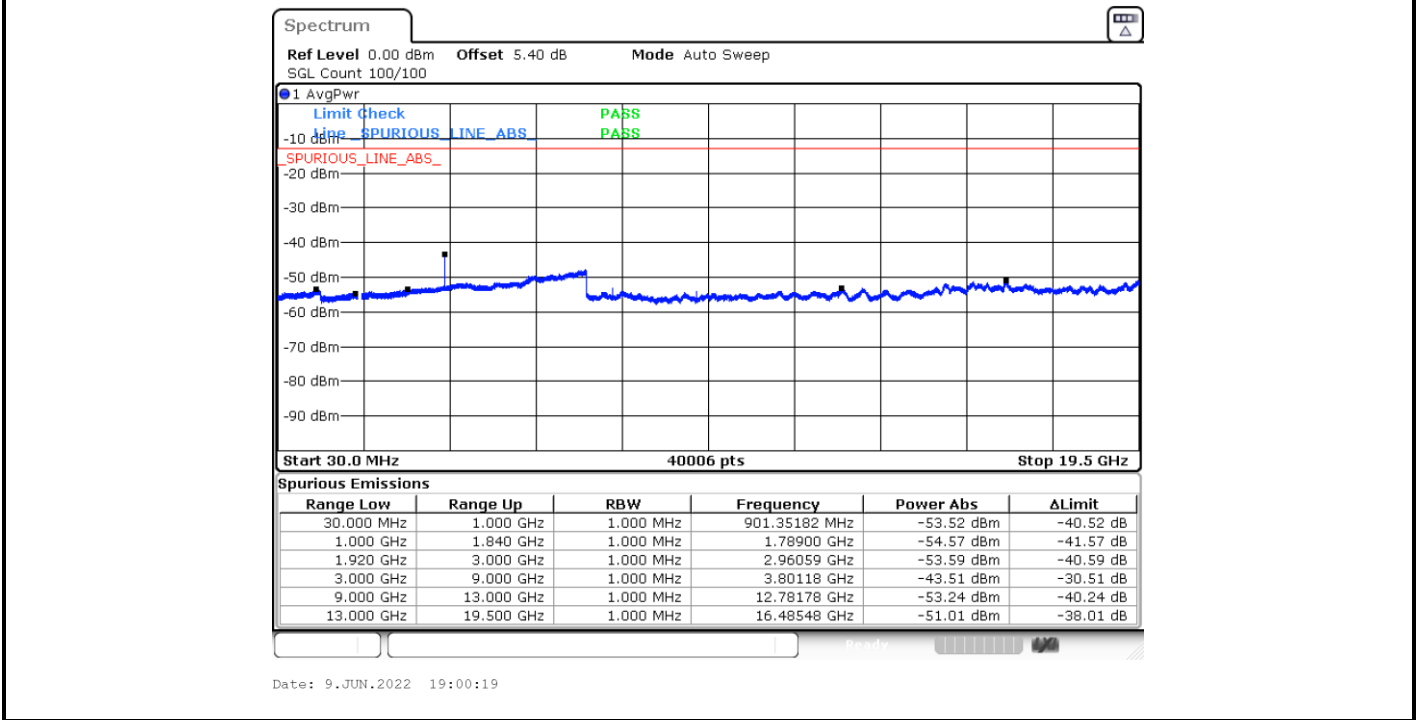
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

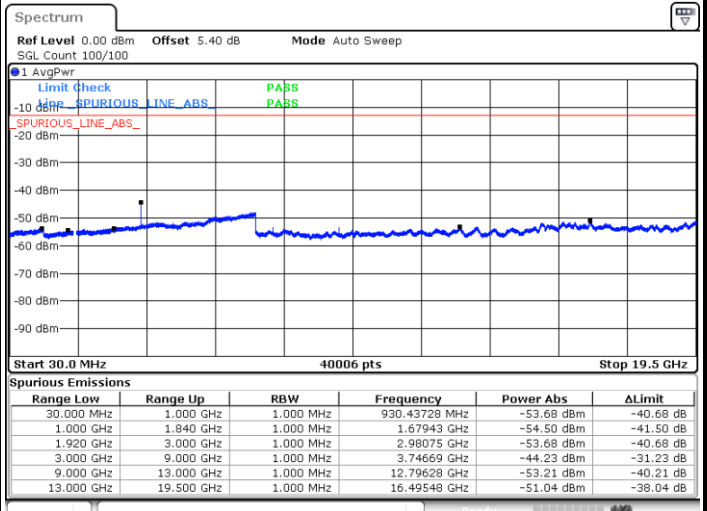
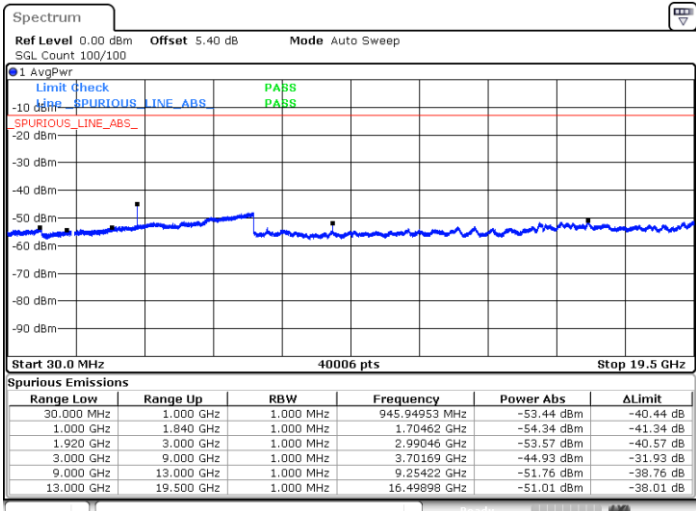




LTE Band 2 / 15MHz

Lowest Channel / QPSK

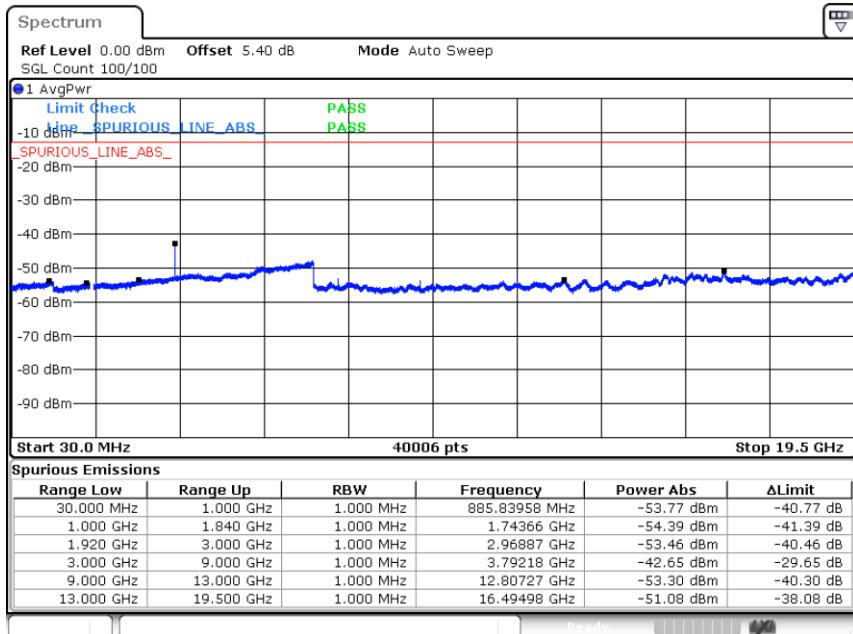
Middle Channel / QPSK



Date: 10.JUN.2022 14:54:57

Date: 10.JUN.2022 15:05:32

Highest Channel / QPSK



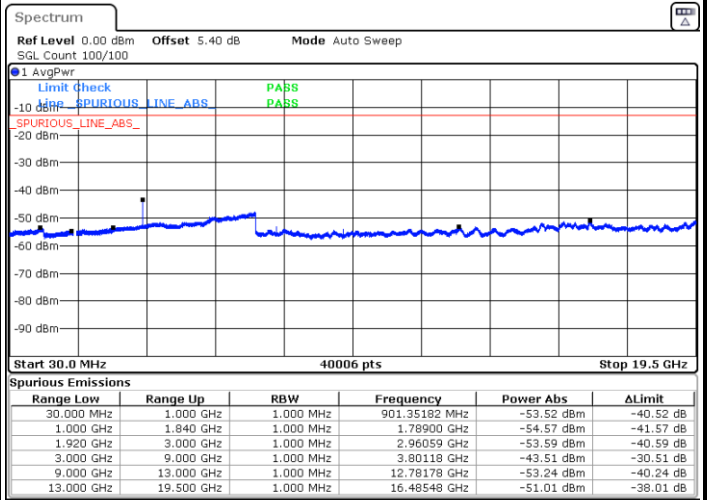
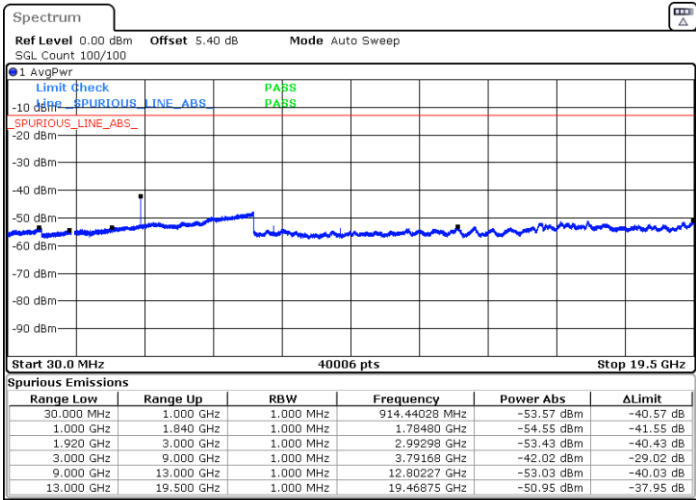
Date: 10.JUN.2022 15:07:28



LTE Band 2 / 20MHz

Lowest Channel / QPSK

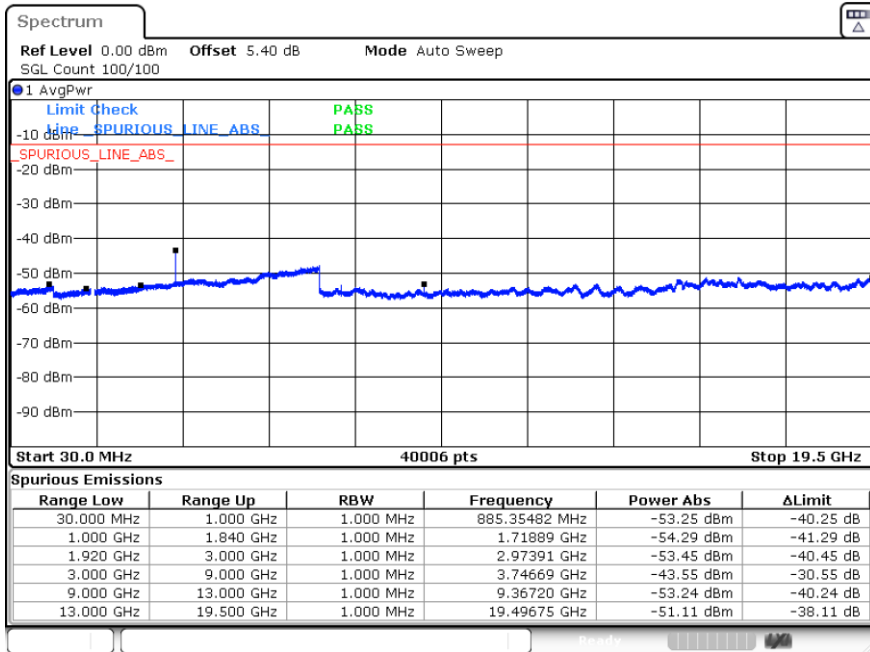
Middle Channel / QPSK



Date: 9. JUN. 2022 19:06:09

Date: 9. JUN. 2022 19:00:19

Highest Channel / QPSK



Date: 9. JUN. 2022 19:04:13



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	0.0012	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0004	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0010	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0006	
-20	Normal Voltage	0.0020	
-30	Normal Voltage	0.0013	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0020	
20	Battery End Point	0.0009	

Note:

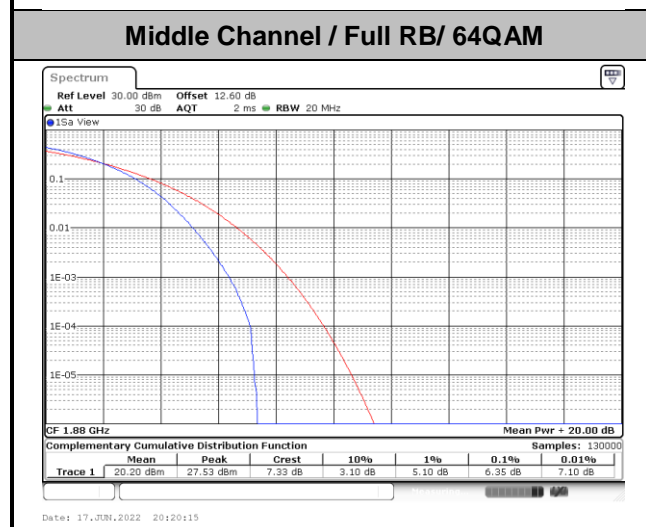
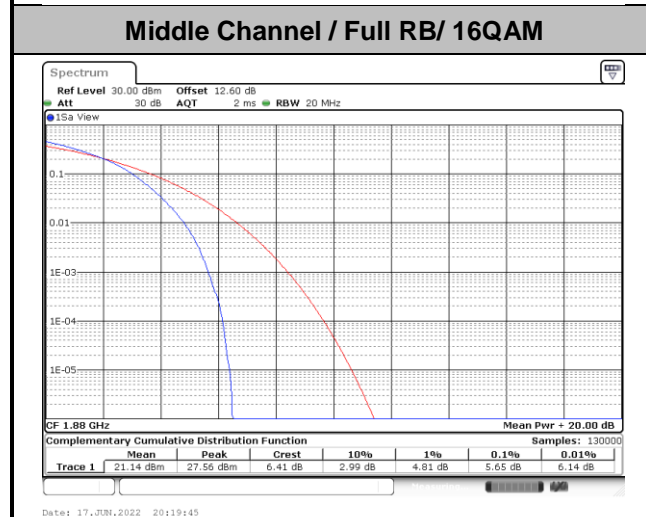
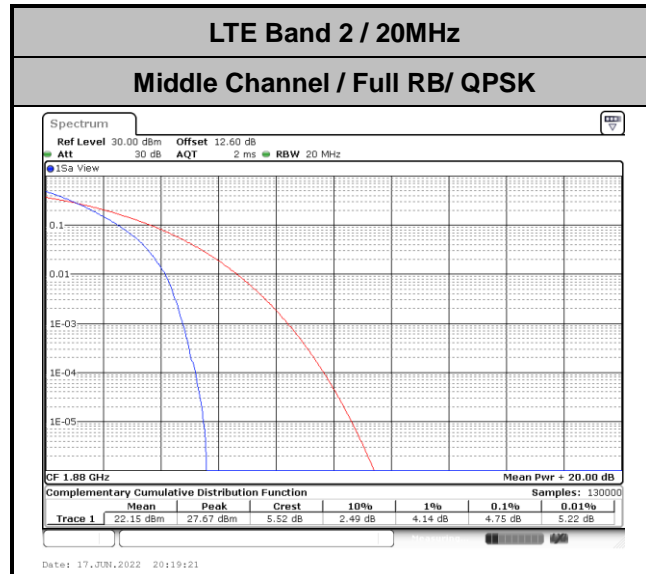
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.55 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 2 for other PA

Peak-to-Average Ratio

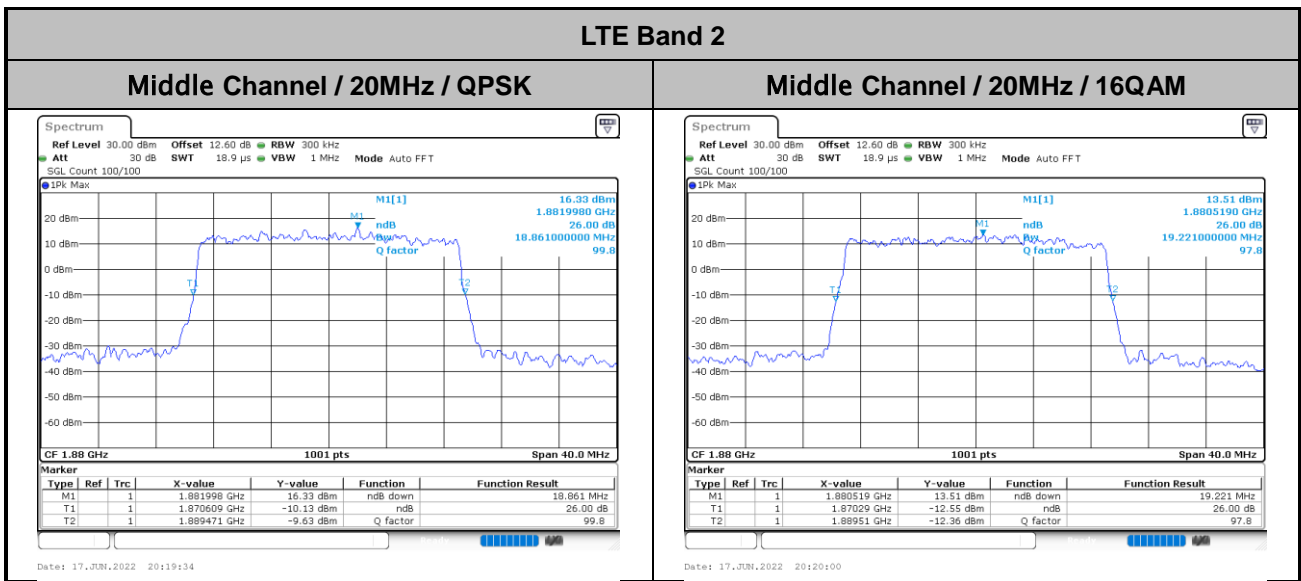
Mode	LTE Band 2 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.75	5.65	6.35	PASS





26dB Bandwidth

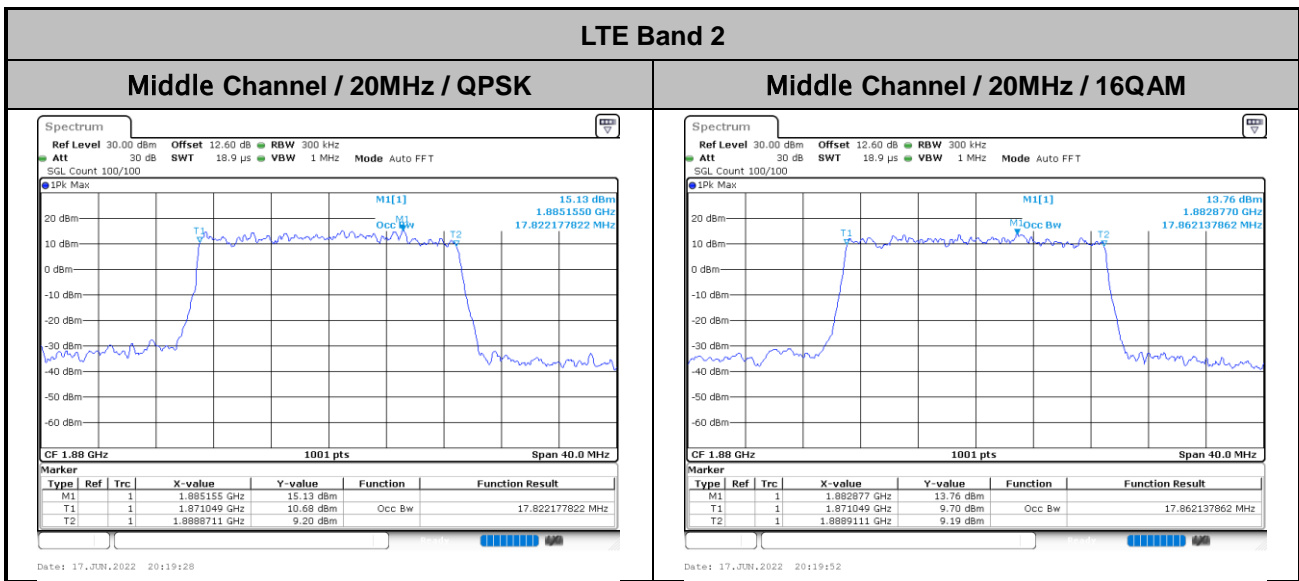
Mode	LTE Band 2 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.86	19.22





Occupied Bandwidth

Mode	LTE Band 2 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.86

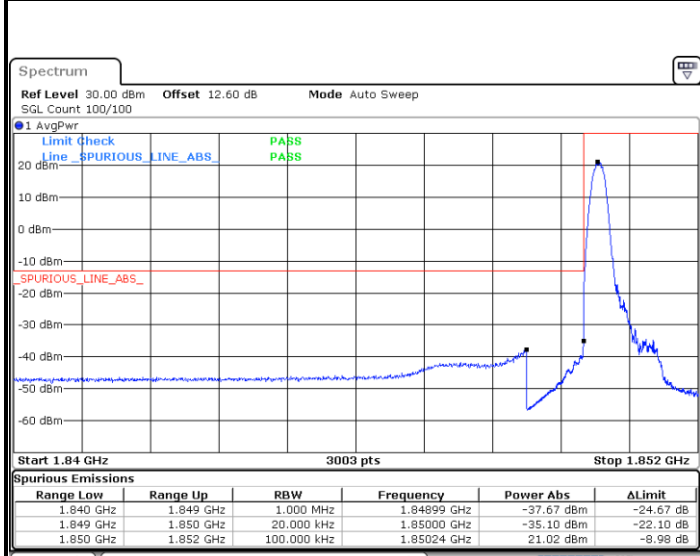




Conducted Band Edge

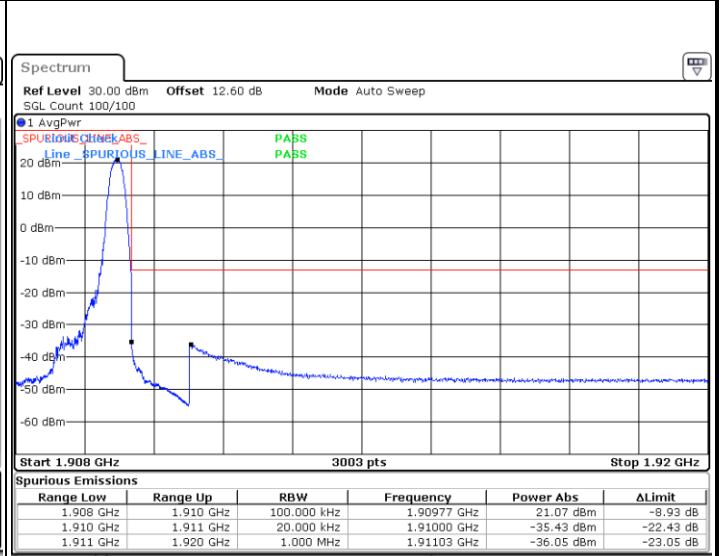
LTE Band 2 / 1.4MHz / QPSK

Lowest Band Edge / 1RB



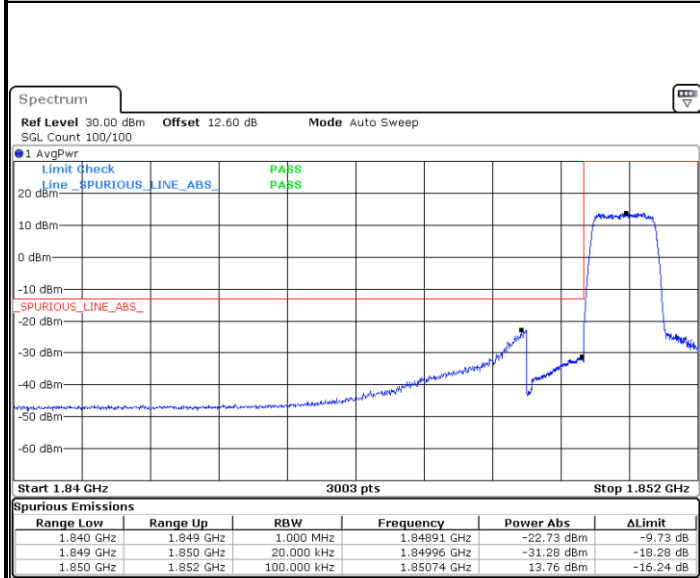
Date: 17.JUN.2022 18:57:29

Highest Band Edge / 1RB



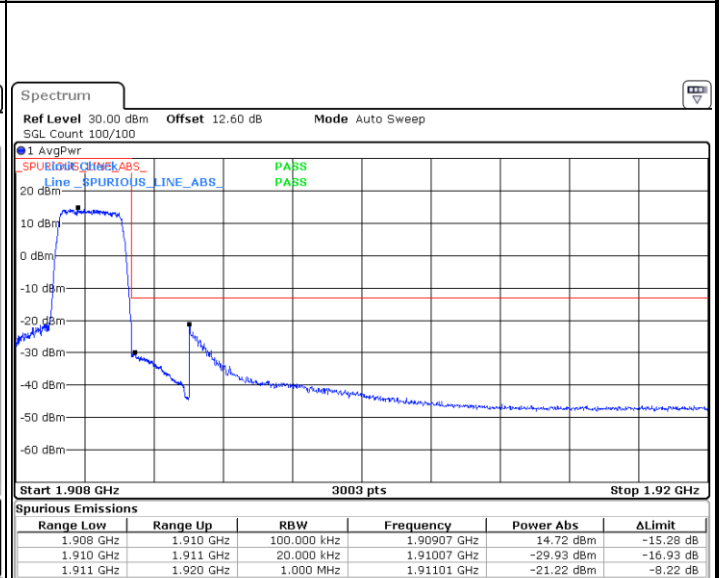
Date: 17.JUN.2022 19:27:46

Lowest Band Edge / Full RB



Date: 17.JUN.2022 19:11:59

Highest Band Edge / Full RB

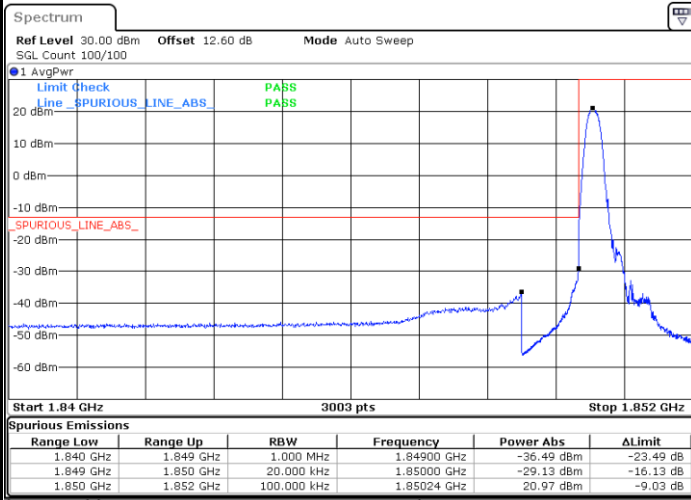


Date: 17.JUN.2022 19:20:13



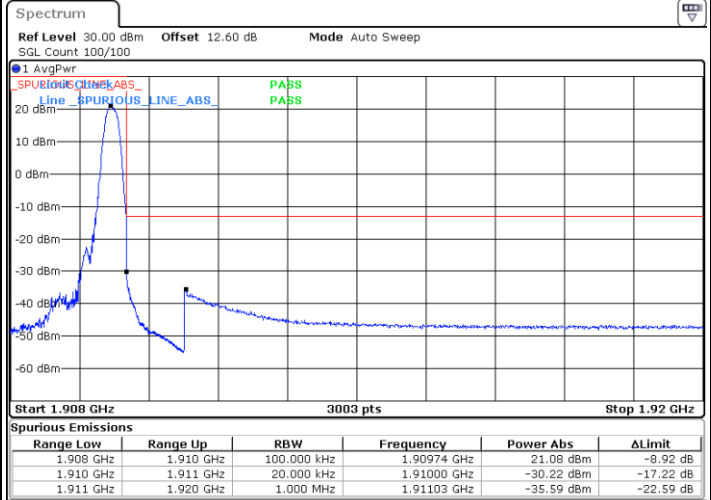
LTE Band 2 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



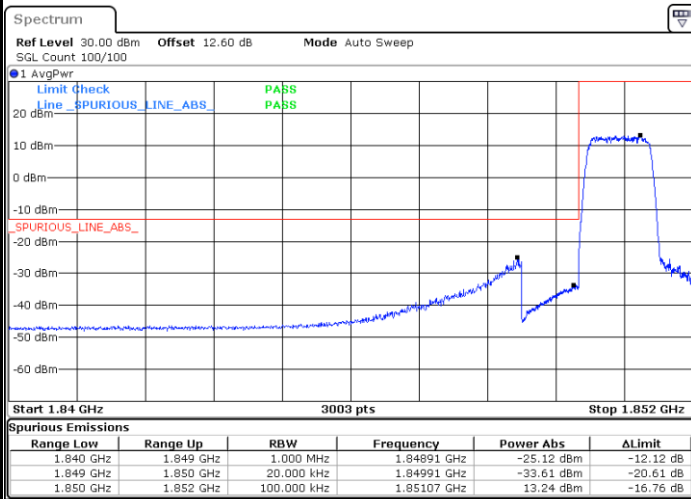
Date: 17 JUN 2022 18:59:31

Highest Band Edge / 1 RB



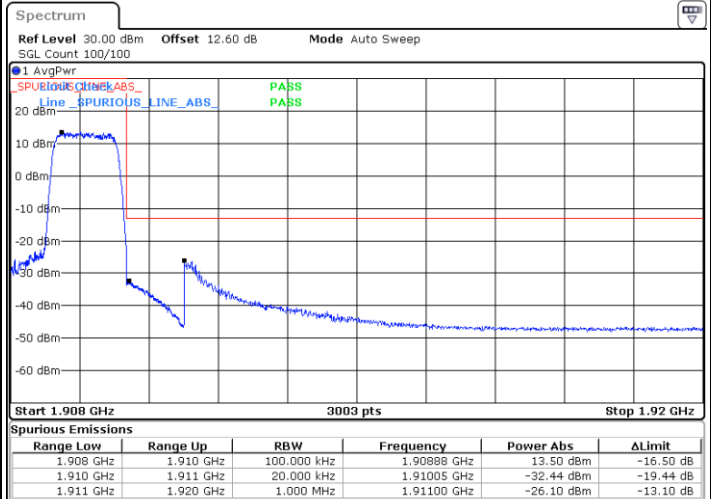
Date: 17 JUN 2022 19:26:33

Lowest Band Edge / Full RB



Date: 17 JUN 2022 19:10:23

Highest Band Edge / Full RB

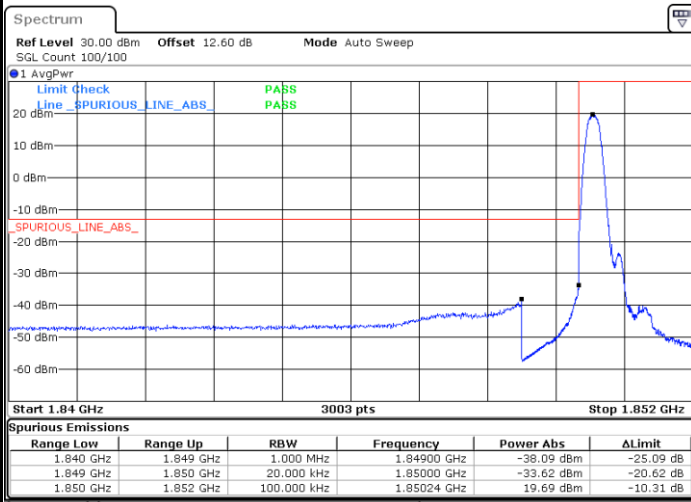


Date: 17 JUN 2022 19:22:05



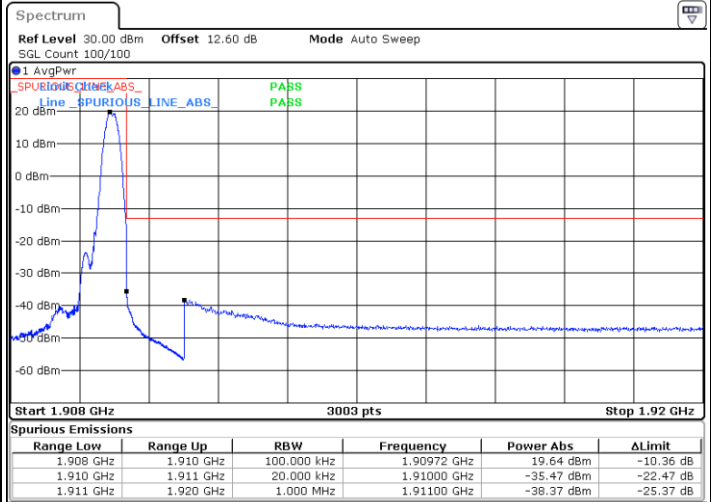
LTE Band 2 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



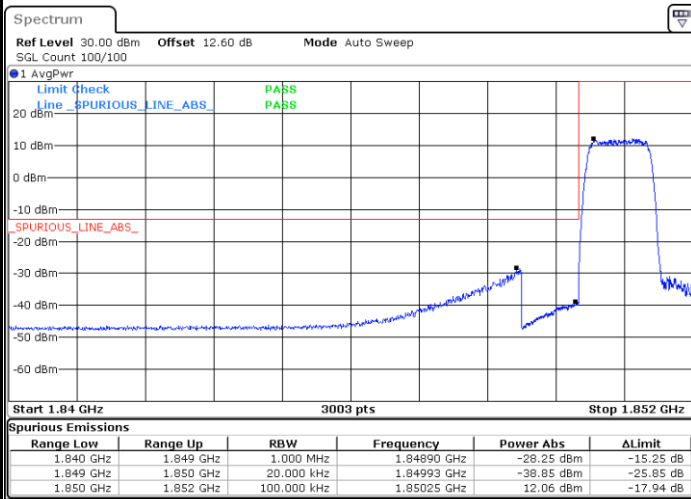
Date: 17 JUN.2022 19:01:04

Highest Band Edge / 1 RB



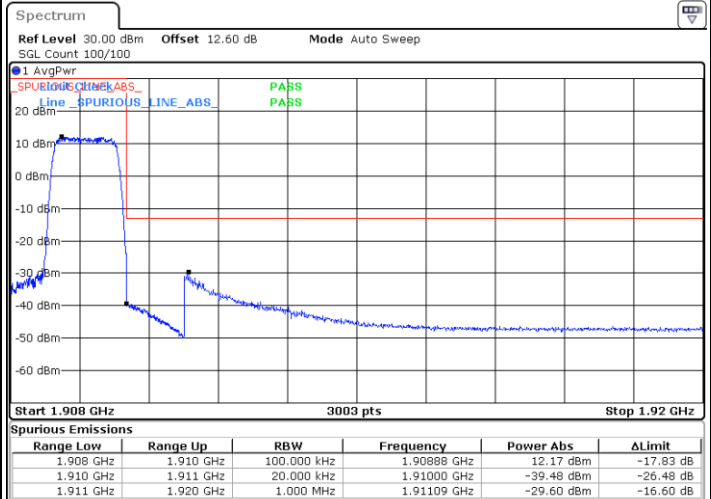
Date: 17 JUN.2022 19:25:04

Lowest Band Edge / Full RB



Date: 17 JUN.2022 19:06:16

Highest Band Edge / Full RB

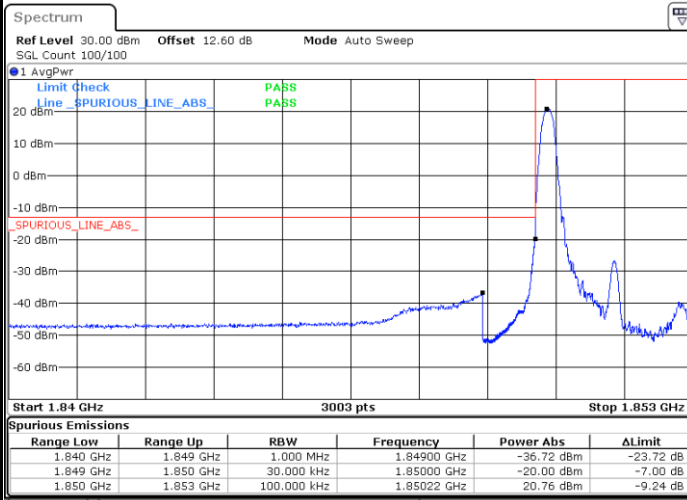


Date: 17 JUN.2022 19:23:23



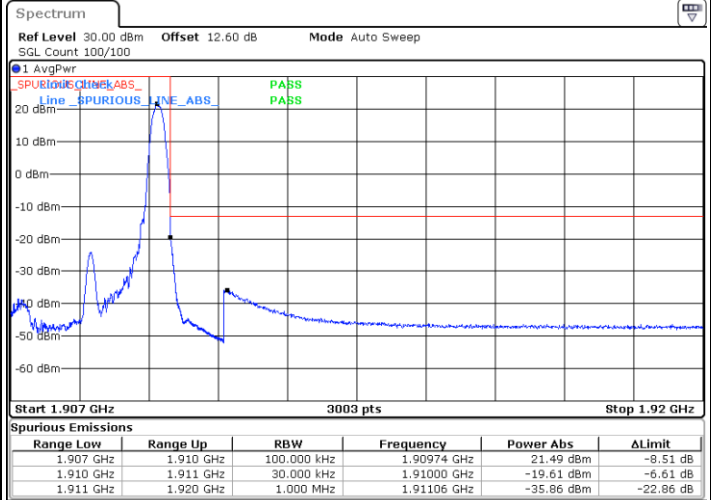
LTE Band 2 / 3MHz / QPSK

Lowest Band Edge / 1RB



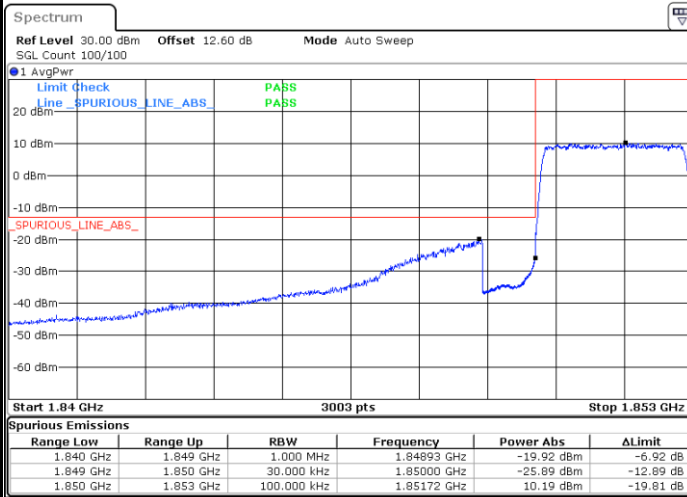
Date: 17 JUN.2022 19:33:12

Highest Band Edge / 1 RB



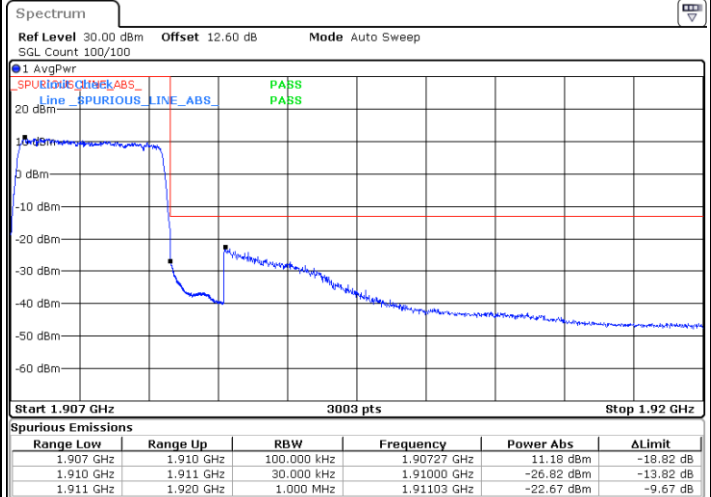
Date: 17 JUN.2022 19:46:19

Lowest Band Edge / Full RB



Date: 17 JUN.2022 19:38:39

Highest Band Edge / Full RB

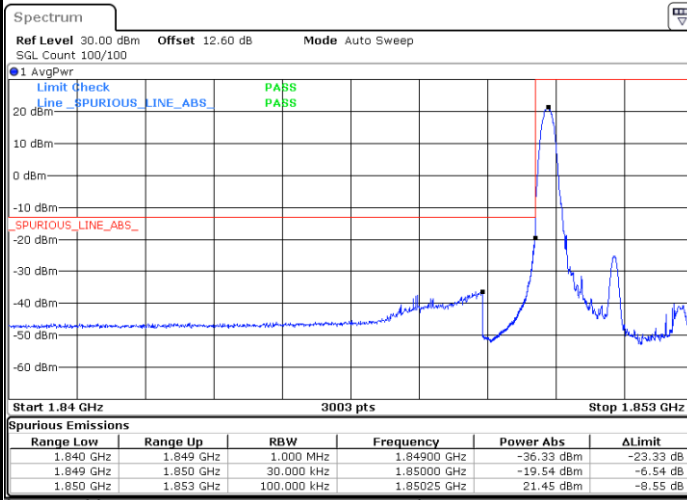


Date: 17 JUN.2022 19:42:06



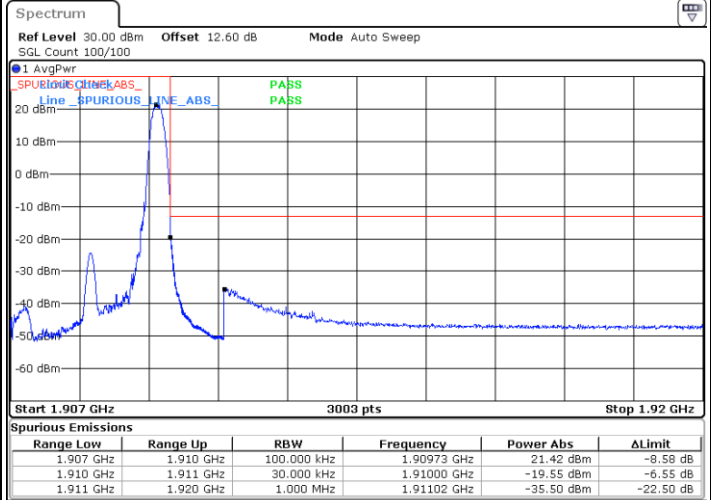
LTE Band 2 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



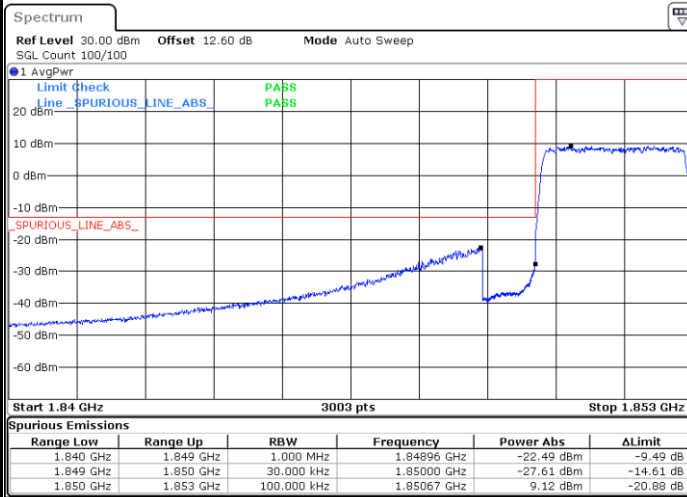
Date: 17 JUN. 2022 19:33:51

Highest Band Edge / 1 RB



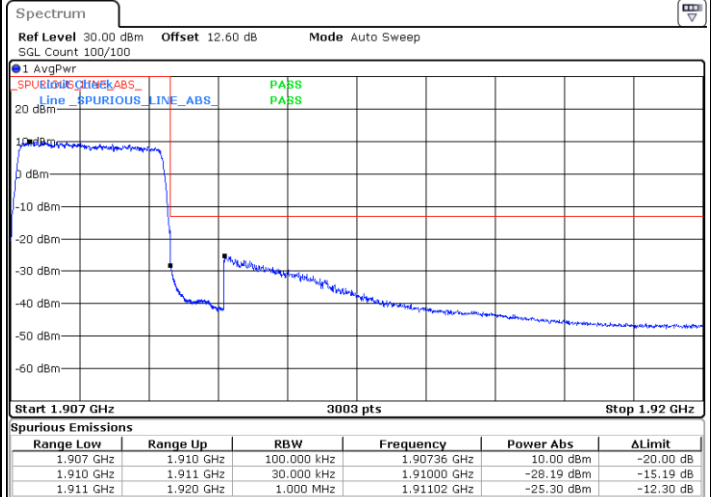
Date: 17 JUN. 2022 19:44:43

Lowest Band Edge / Full RB



Date: 17 JUN. 2022 19:37:14

Highest Band Edge / Full RB

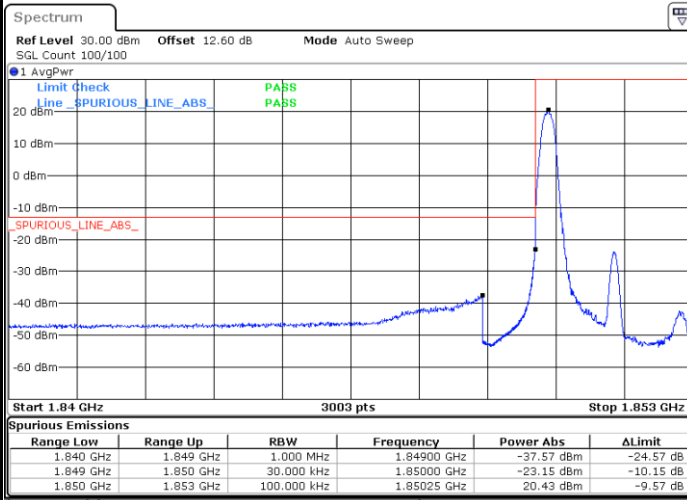


Date: 17 JUN. 2022 19:42:42



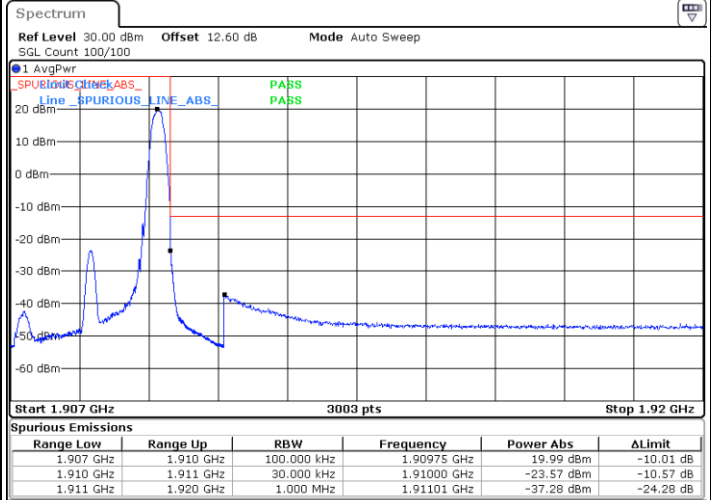
LTE Band 2 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



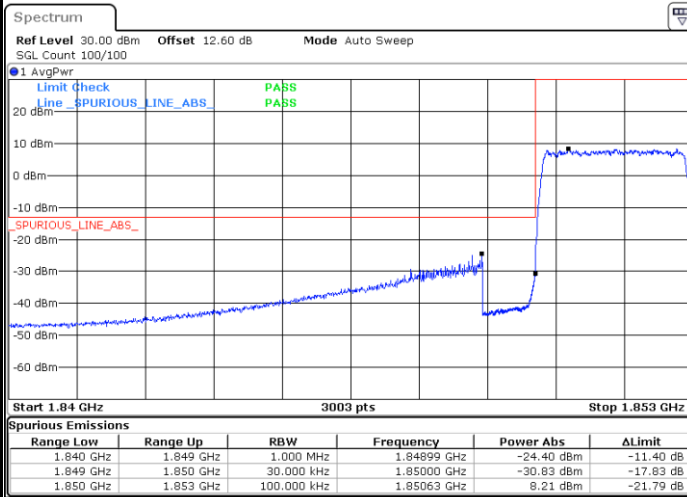
Date: 17 JUN.2022 19:34:42

Highest Band Edge / 1 RB



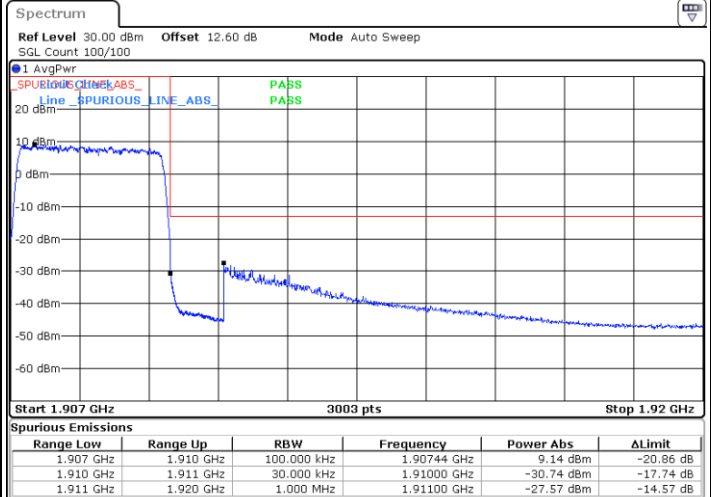
Date: 17 JUN.2022 19:44:10

Lowest Band Edge / Full RB



Date: 17 JUN.2022 19:35:31

Highest Band Edge / Full RB

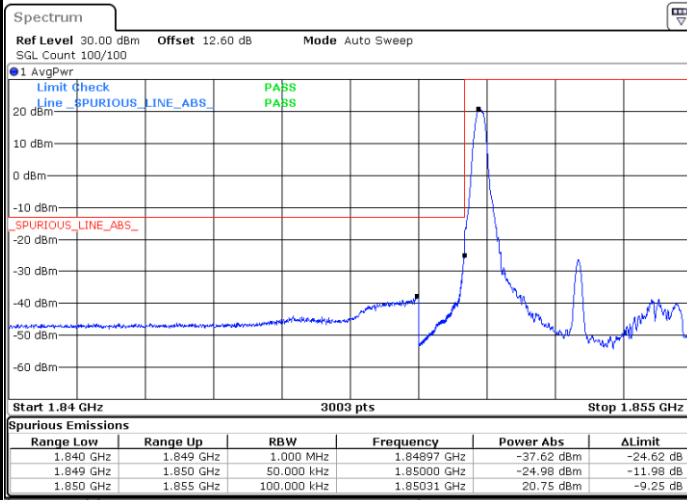


Date: 17 JUN.2022 19:43:23



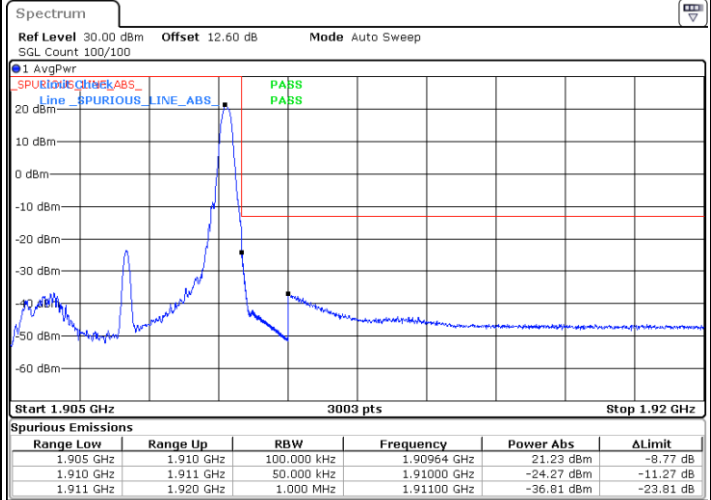
LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



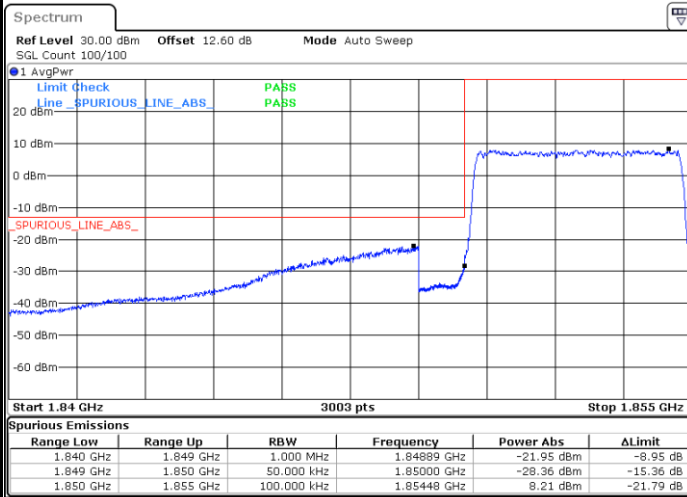
Date: 17 JUN.2022 19:49:46

Highest Band Edge / 1 RB



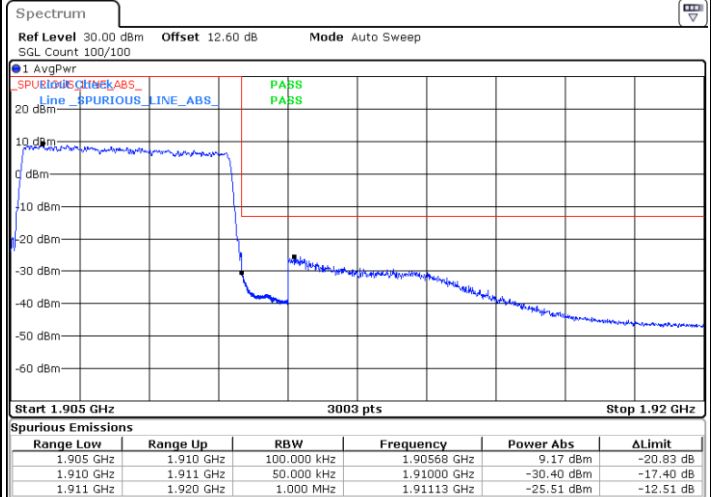
Date: 17 JUN.2022 19:55:30

Lowest Band Edge / Full RB



Date: 17 JUN.2022 19:51:57

Highest Band Edge / Full RB

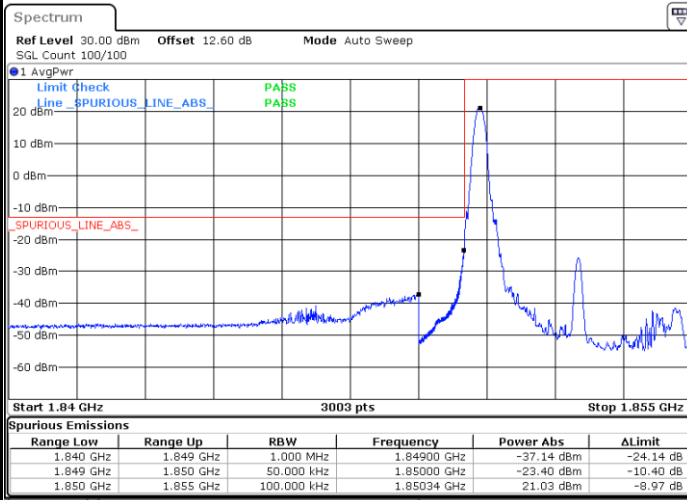


Date: 17 JUN.2022 19:53:56

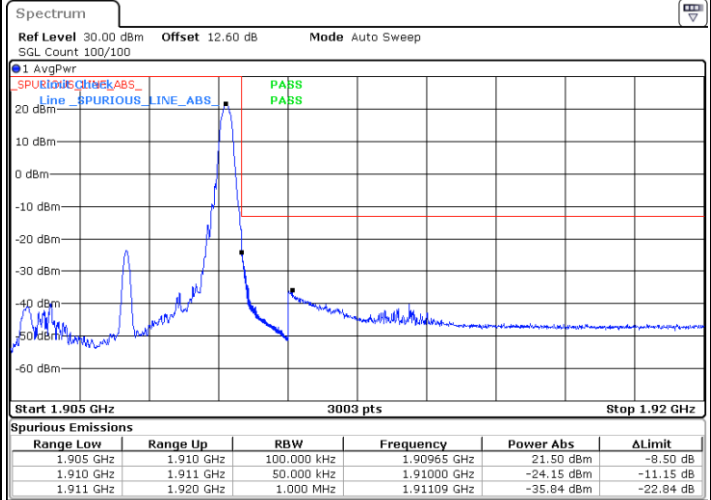


LTE Band 2 / 5MHz / 16QAM

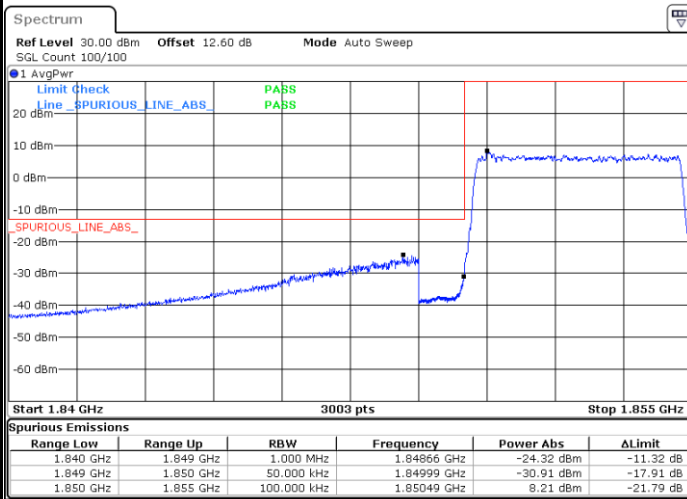
Lowest Band Edge / 1RB



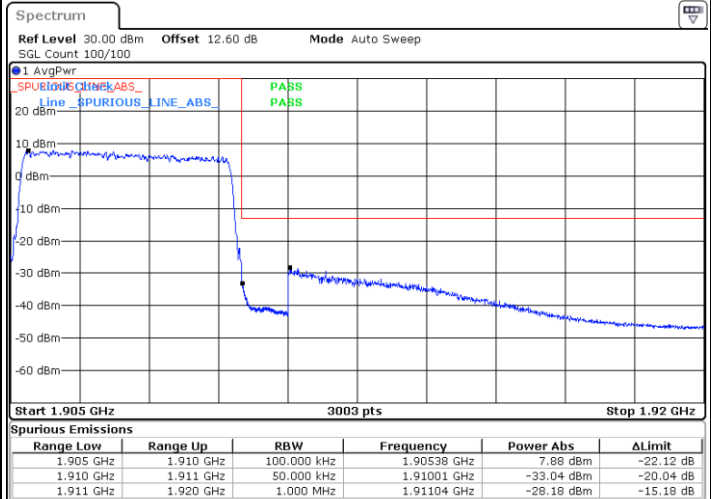
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



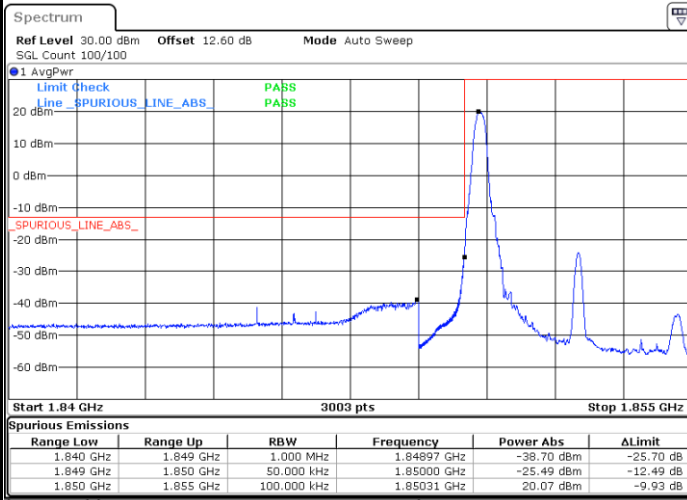
Highest Band Edge / Full RB





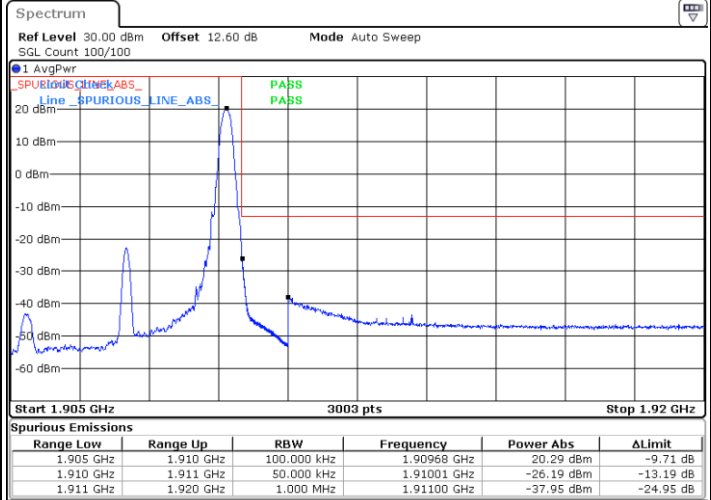
LTE Band 2 / 5MHz / 64QAM

Lowest Band Edge / 1RB



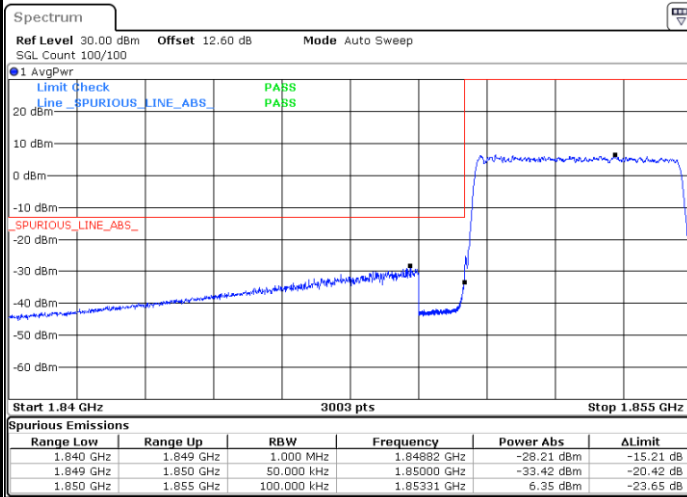
Date: 17 JUN.2022 19:50:23

Highest Band Edge / 1 RB



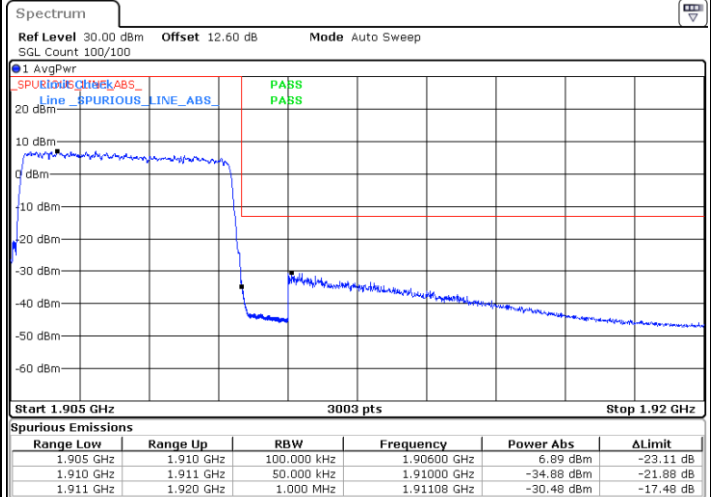
Date: 17 JUN.2022 19:54:56

Lowest Band Edge / Full RB



Date: 17 JUN.2022 19:50:45

Highest Band Edge / Full RB

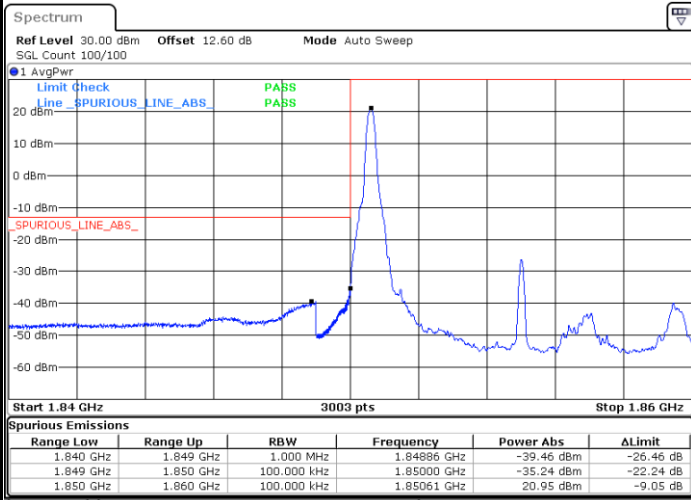


Date: 17 JUN.2022 19:54:32



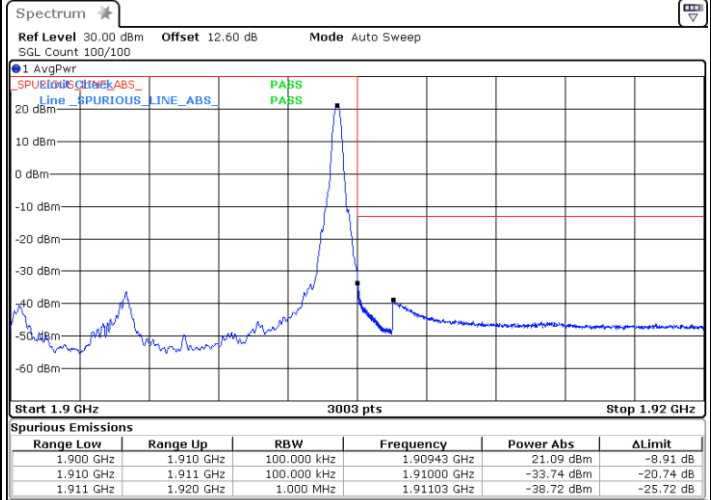
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



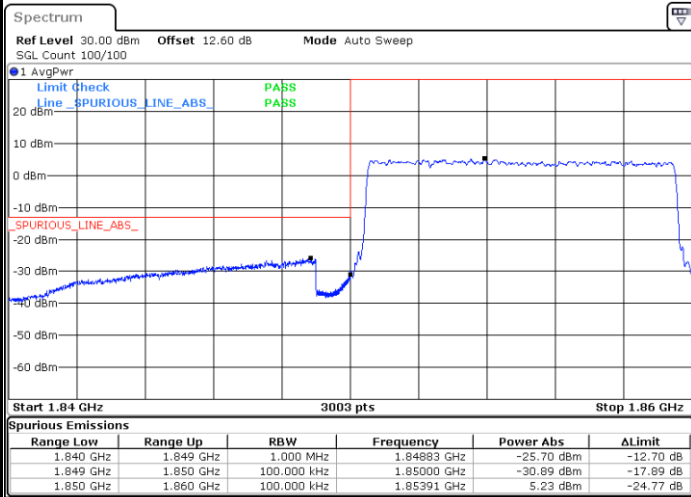
Date: 17 JUN.2022 19:59:01

Highest Band Edge / 1 RB



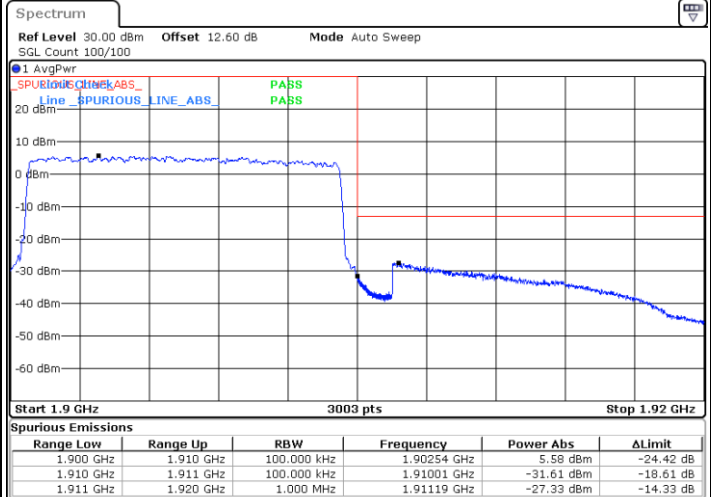
Date: 17 JUN.2022 20:02:37

Lowest Band Edge / Full RB



Date: 17 JUN.2022 20:00:01

Highest Band Edge / Full RB

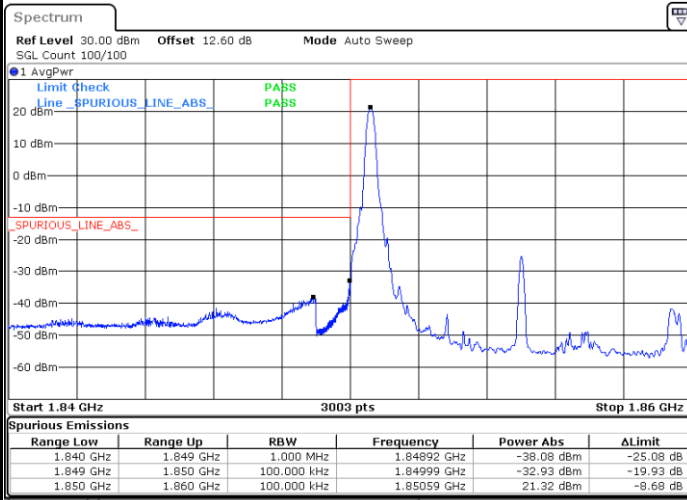


Date: 17 JUN.2022 20:01:23



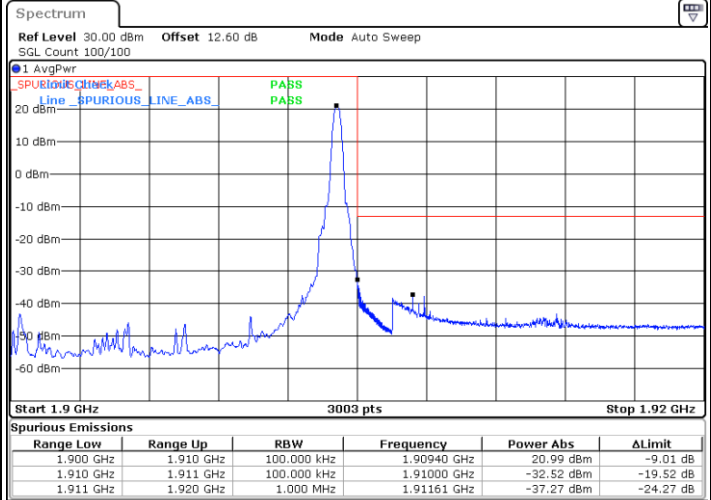
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



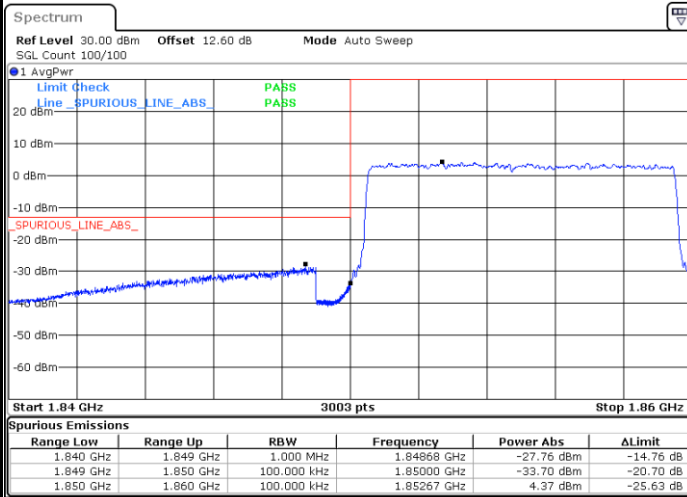
Date: 17. JUN. 2022 19:59:13

Highest Band Edge / 1 RB



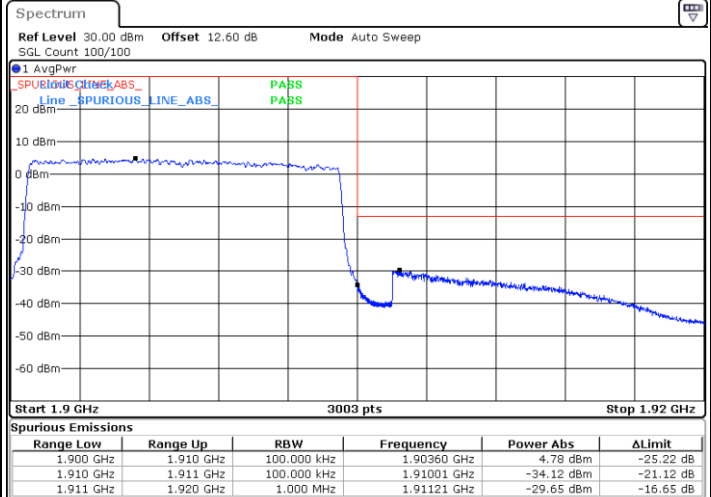
Date: 17. JUN. 2022 20:02:17

Lowest Band Edge / Full RB



Date: 17. JUN. 2022 19:59:49

Highest Band Edge / Full RB

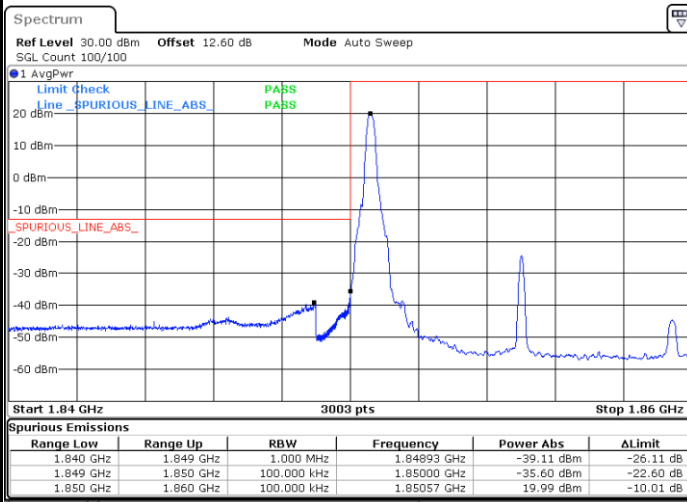


Date: 17. JUN. 2022 20:01:35



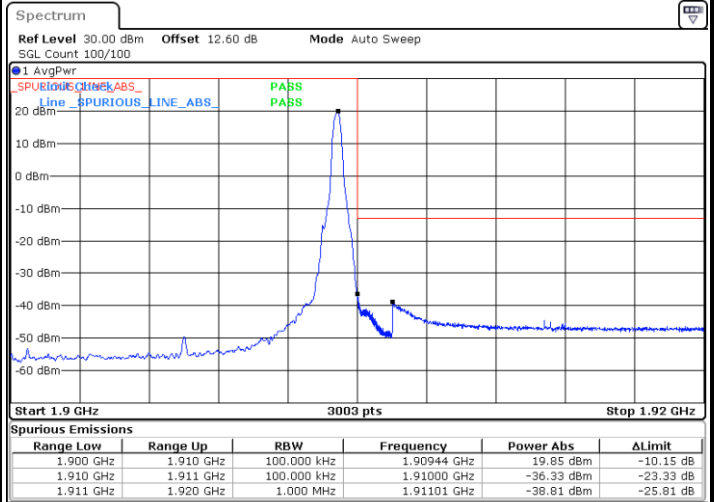
LTE Band 2 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



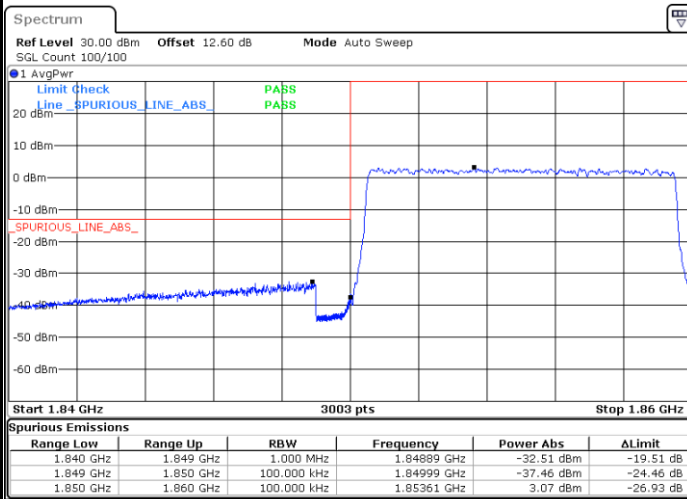
Date: 17. JUN. 2022 19:59:24

Highest Band Edge / 1 RB



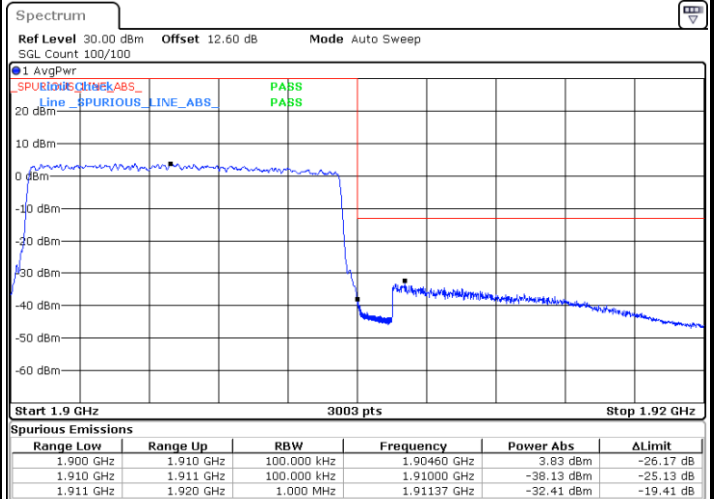
Date: 17. JUN. 2022 20:02:05

Lowest Band Edge / Full RB



Date: 17. JUN. 2022 19:59:37

Highest Band Edge / Full RB

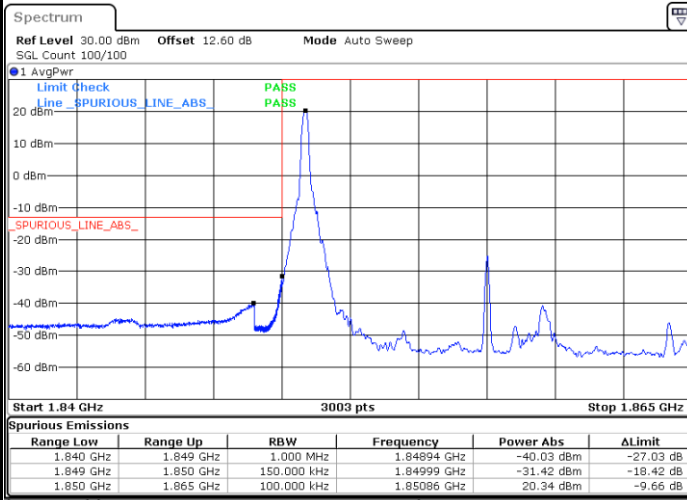


Date: 17. JUN. 2022 20:01:47



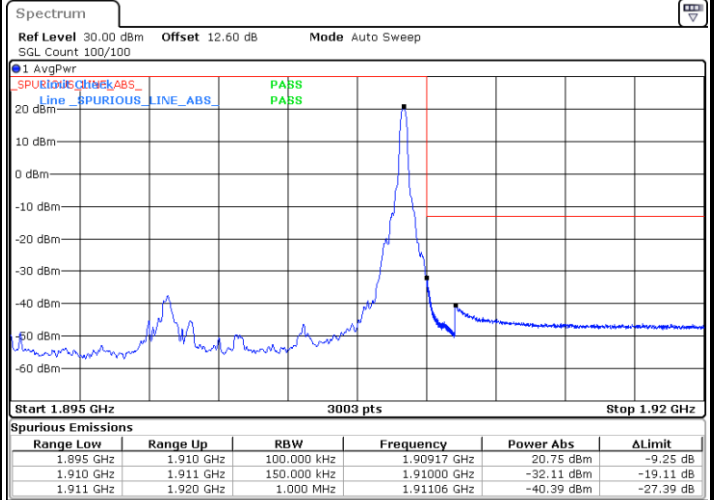
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



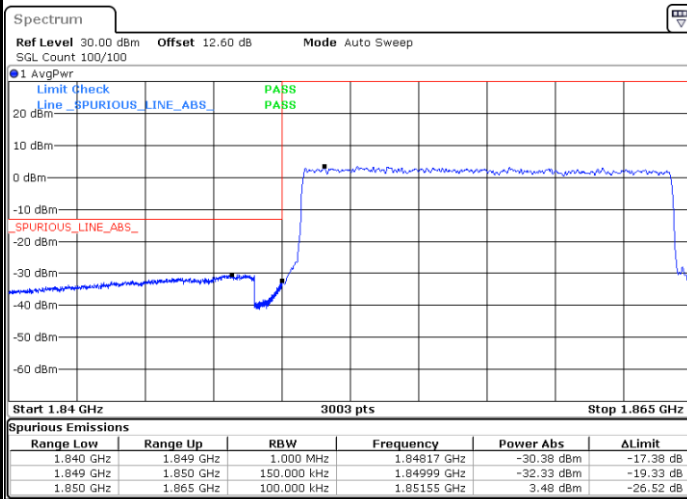
Date: 17 JUN 2022 20:05:47

Highest Band Edge / 1 RB



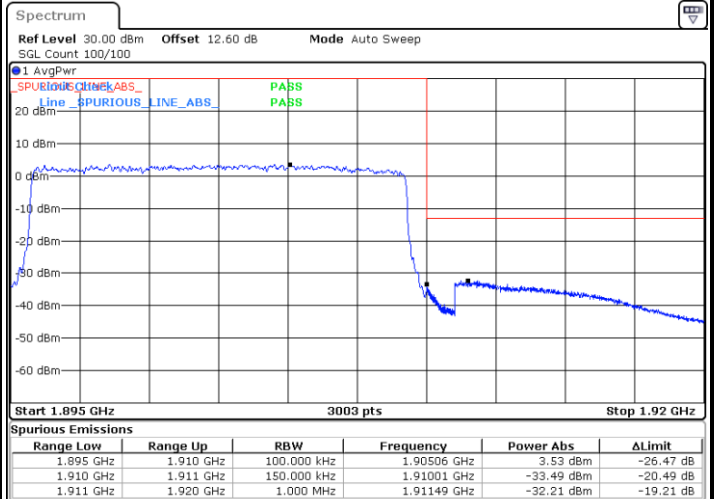
Date: 17 JUN 2022 20:15:03

Lowest Band Edge / Full RB



Date: 17 JUN 2022 20:06:44

Highest Band Edge / Full RB

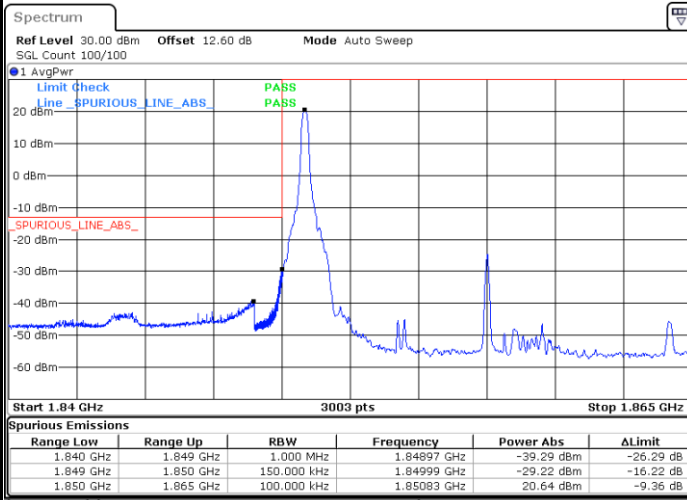


Date: 17 JUN 2022 20:13:52



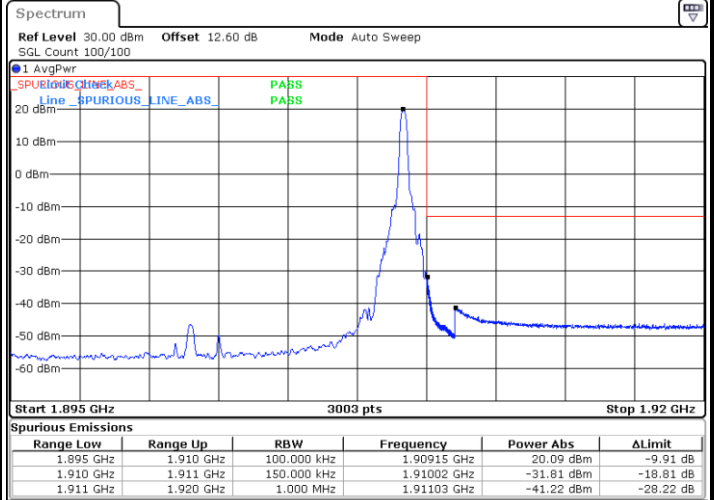
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



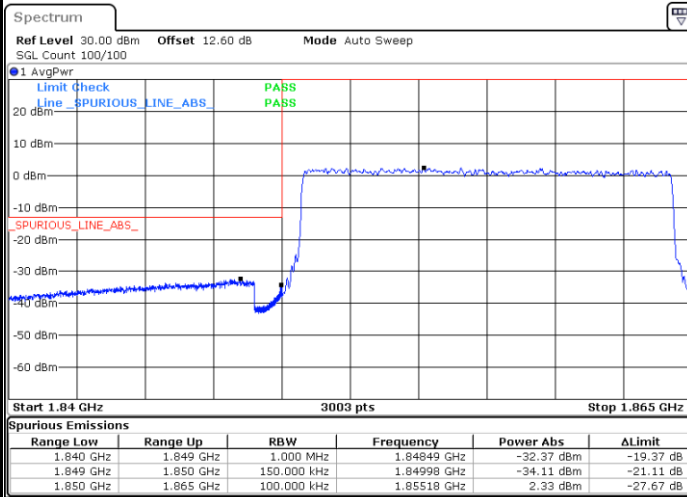
Date: 17 JUN 2022 20:05:57

Highest Band Edge / 1 RB



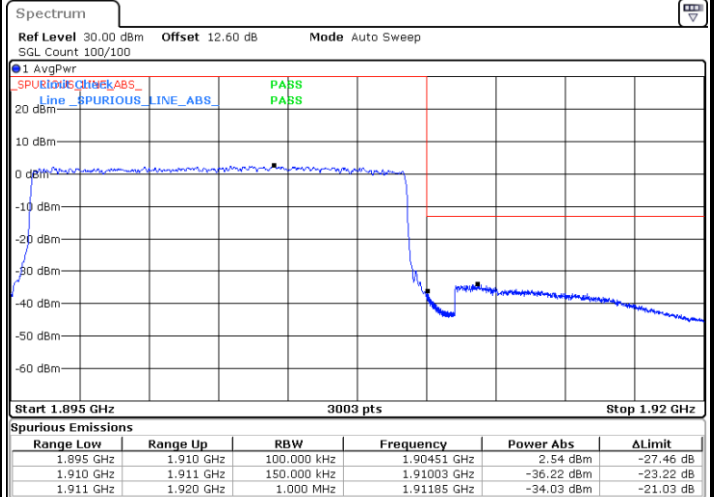
Date: 17 JUN 2022 20:14:51

Lowest Band Edge / Full RB



Date: 17 JUN 2022 20:06:32

Highest Band Edge / Full RB

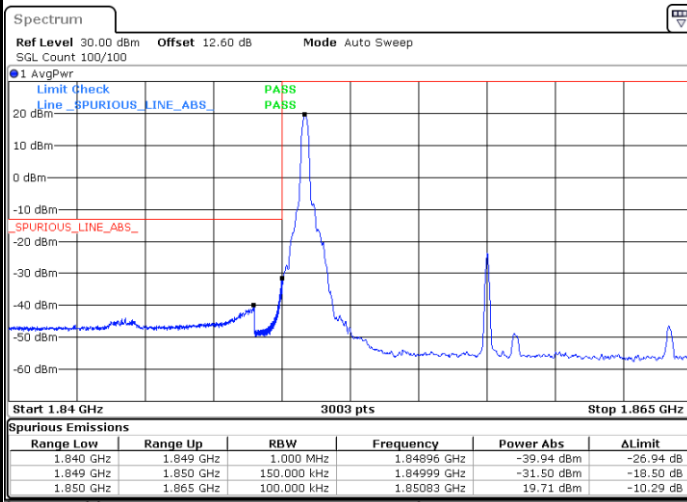


Date: 17 JUN 2022 20:14:01



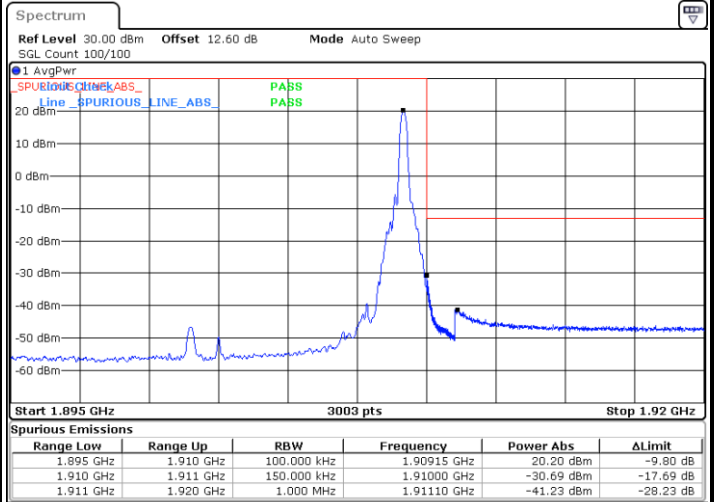
LTE Band 2 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



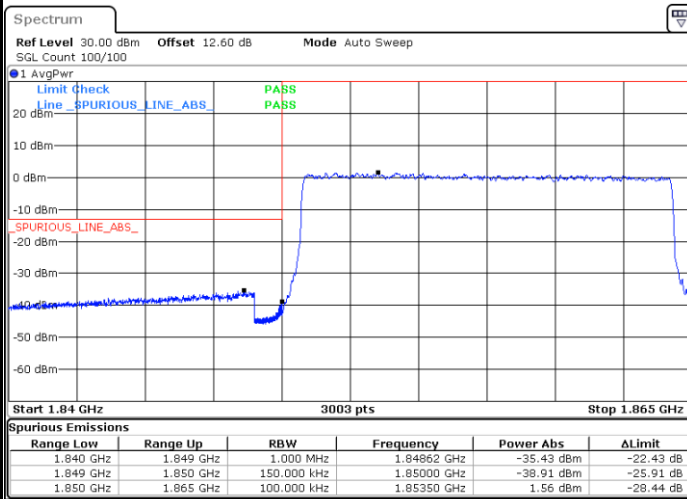
Date: 17 JUN 2022 20:06:08

Highest Band Edge / 1 RB



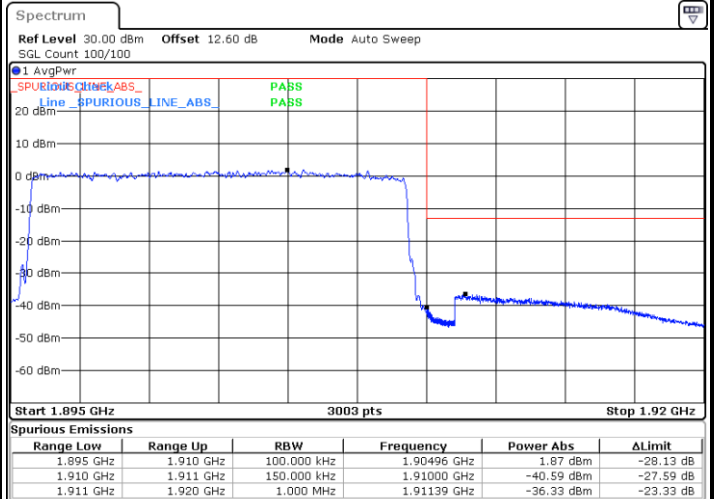
Date: 17 JUN 2022 20:14:35

Lowest Band Edge / Full RB



Date: 17 JUN 2022 20:06:22

Highest Band Edge / Full RB

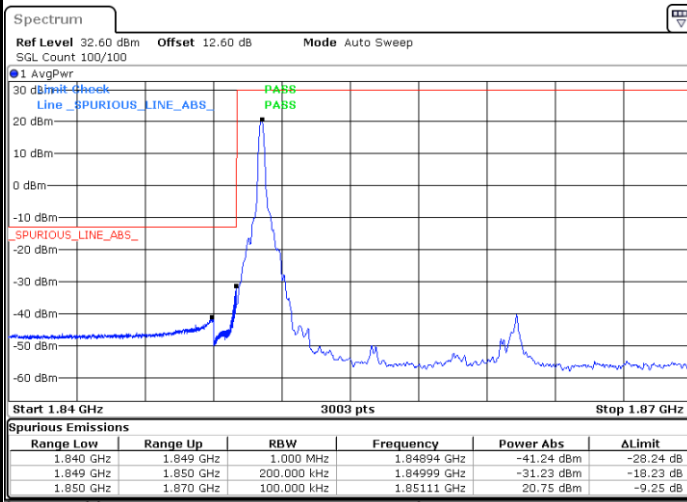


Date: 17 JUN 2022 20:14:13



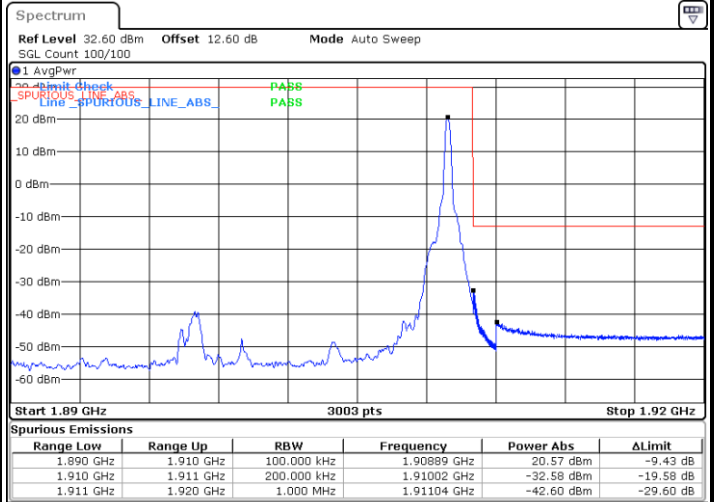
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



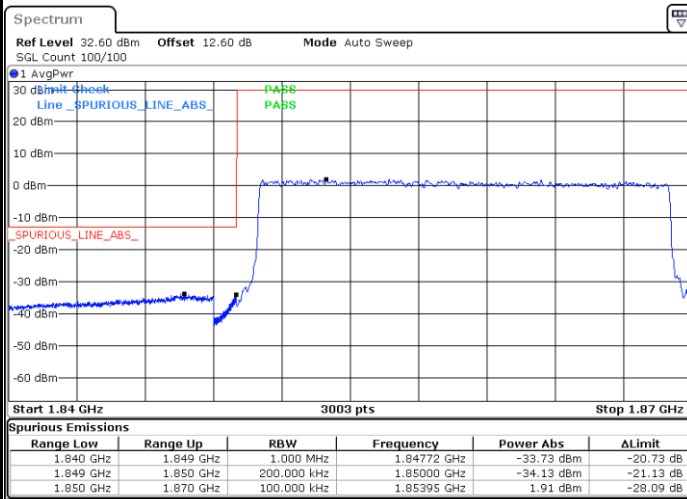
Date: 17 JUN.2022 20:17:59

Highest Band Edge / 1 RB



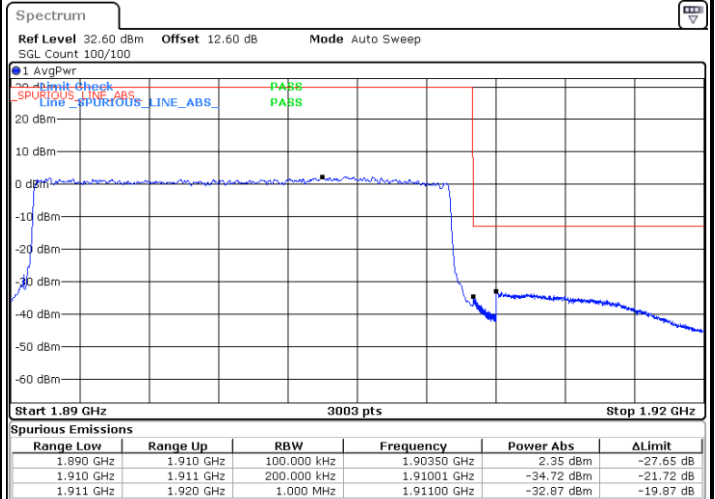
Date: 17 JUN.2022 20:21:55

Lowest Band Edge / Full RB



Date: 17 JUN.2022 20:18:59

Highest Band Edge / Full RB

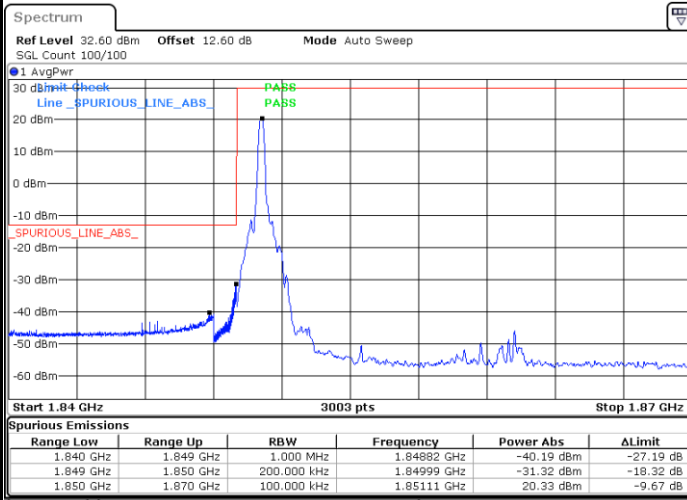


Date: 17 JUN.2022 20:20:54



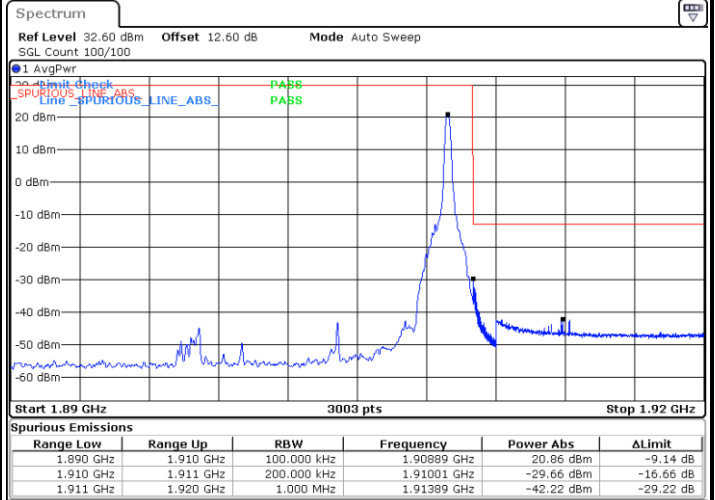
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



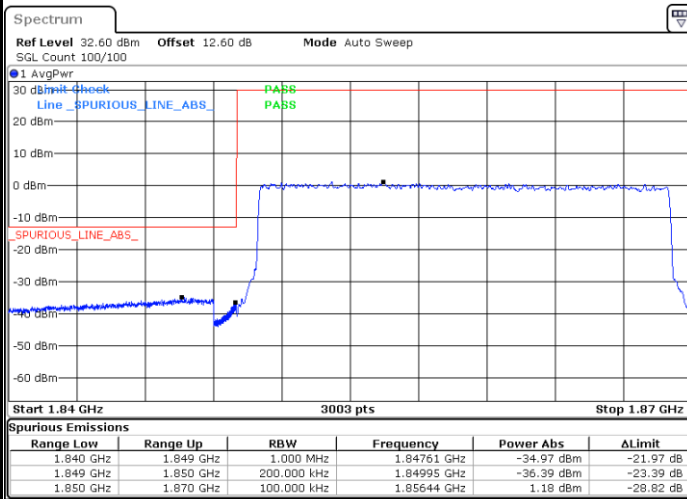
Date: 17 JUN.2022 20:18:08

Highest Band Edge / 1 RB



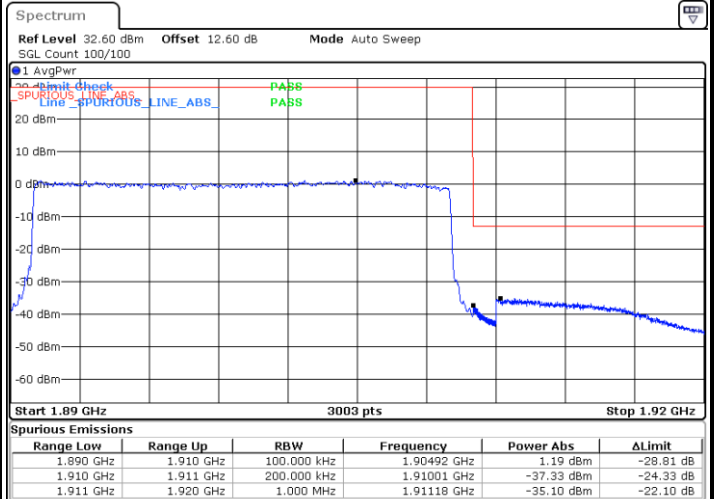
Date: 17 JUN.2022 20:21:44

Lowest Band Edge / Full RB



Date: 17 JUN.2022 20:18:47

Highest Band Edge / Full RB

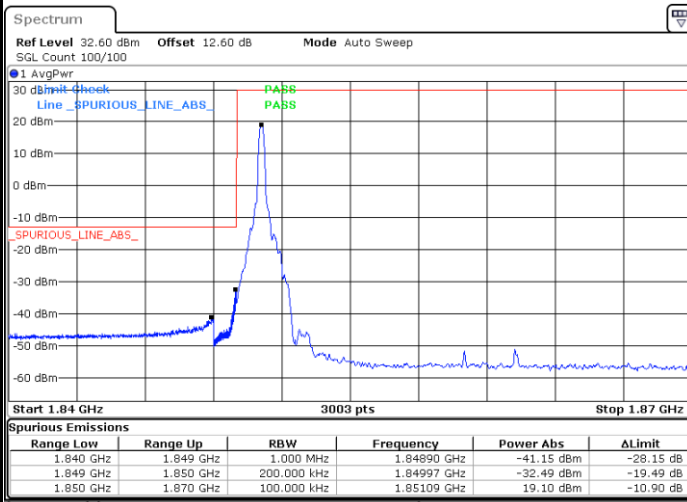


Date: 17 JUN.2022 20:21:04



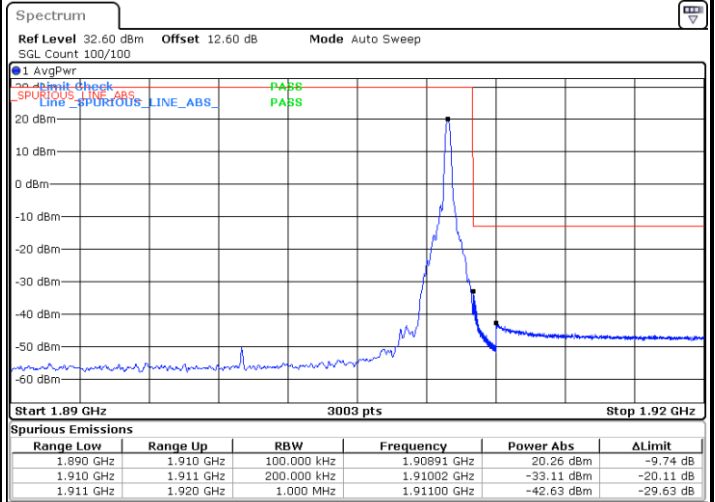
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



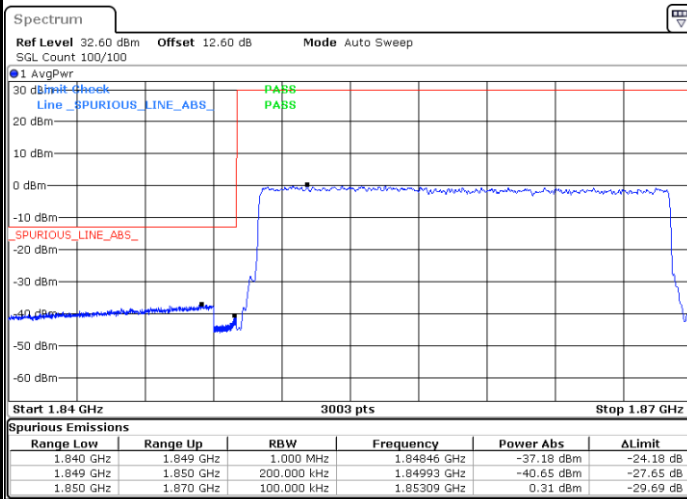
Date: 17 JUN.2022 20:18:18

Highest Band Edge / 1 RB



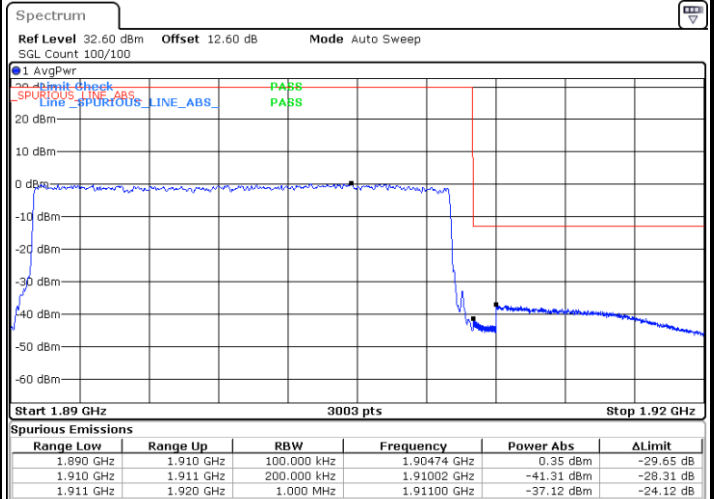
Date: 17 JUN.2022 20:21:32

Lowest Band Edge / Full RB



Date: 17 JUN.2022 20:18:37

Highest Band Edge / Full RB



Date: 17 JUN.2022 20:21:14



Conducted Spurious Emission

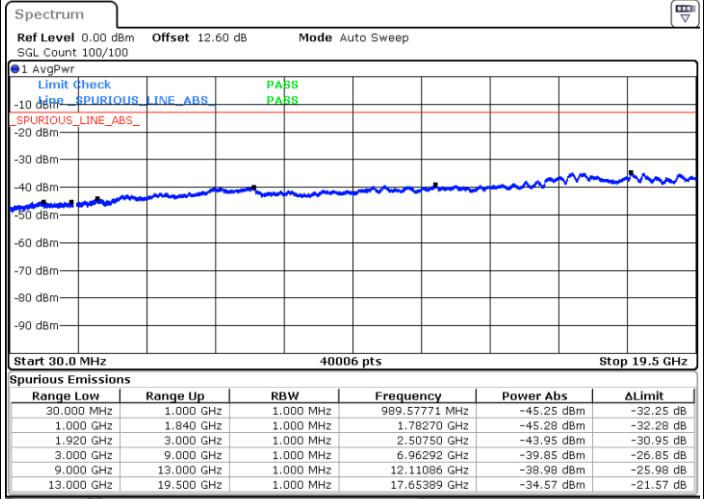
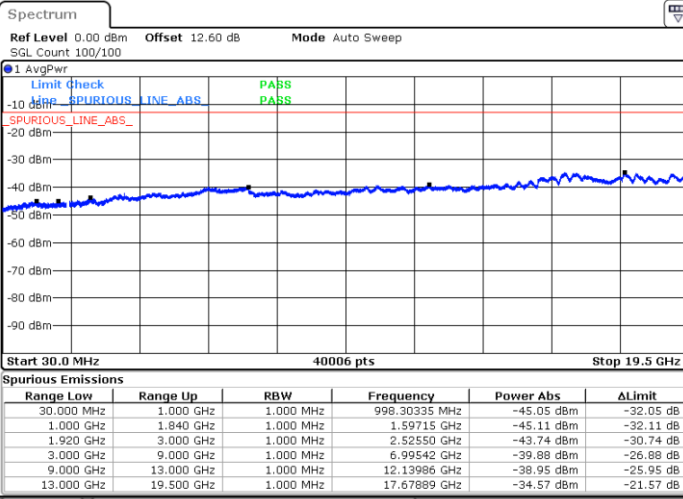




LTE Band 2 / 3MHz

Lowest Channel / QPSK

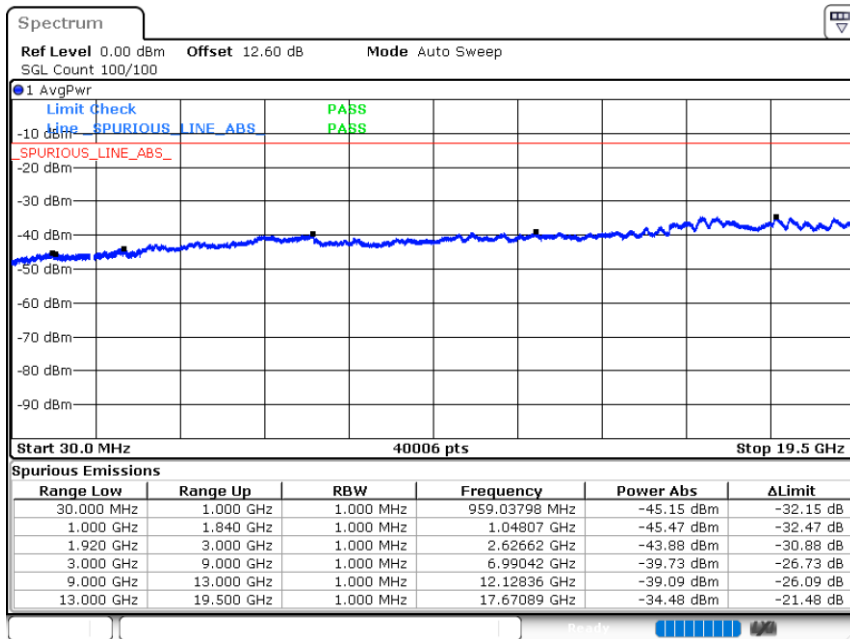
Middle Channel / QPSK



Date: 17.JUN.2022 19:48:35

Date: 17.JUN.2022 19:47:50

Highest Channel / QPSK



Date: 17.JUN.2022 19:47:10