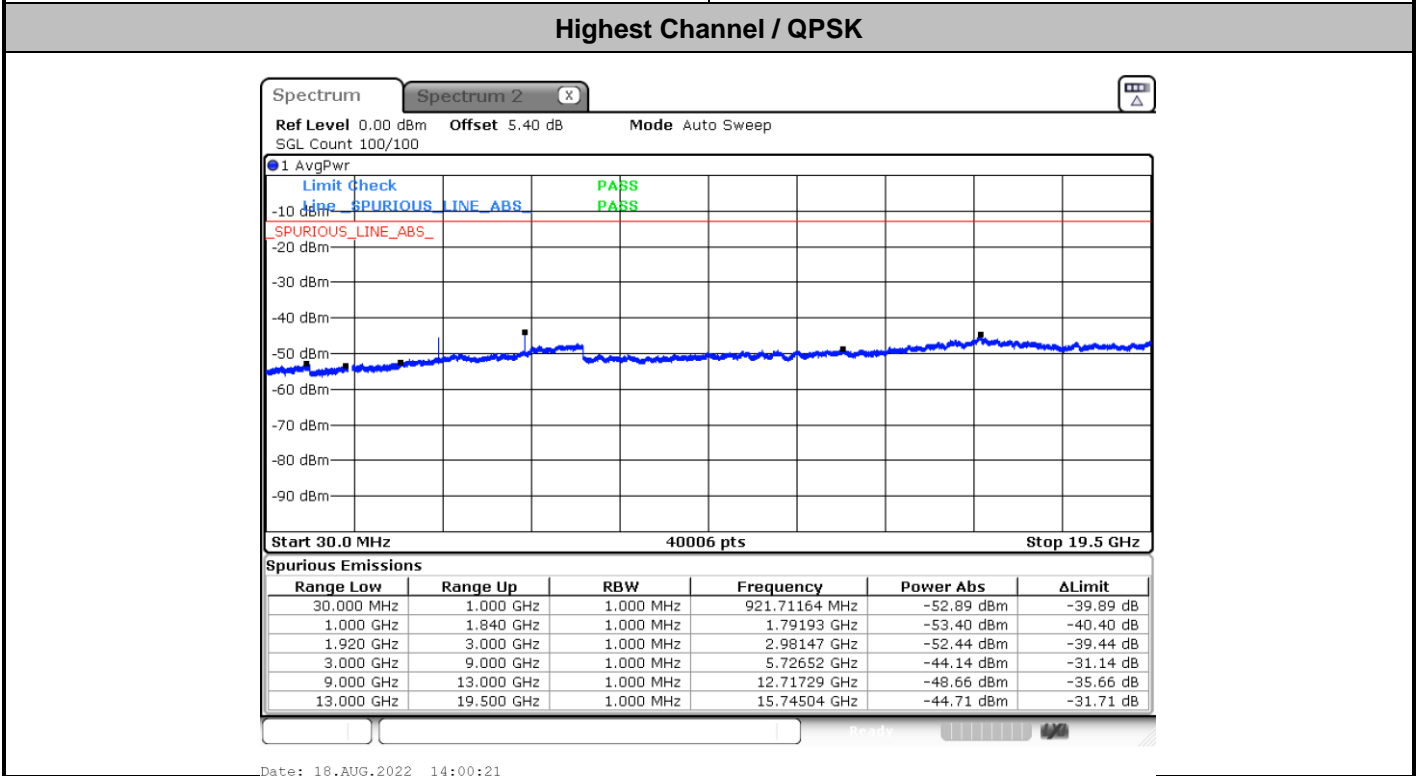
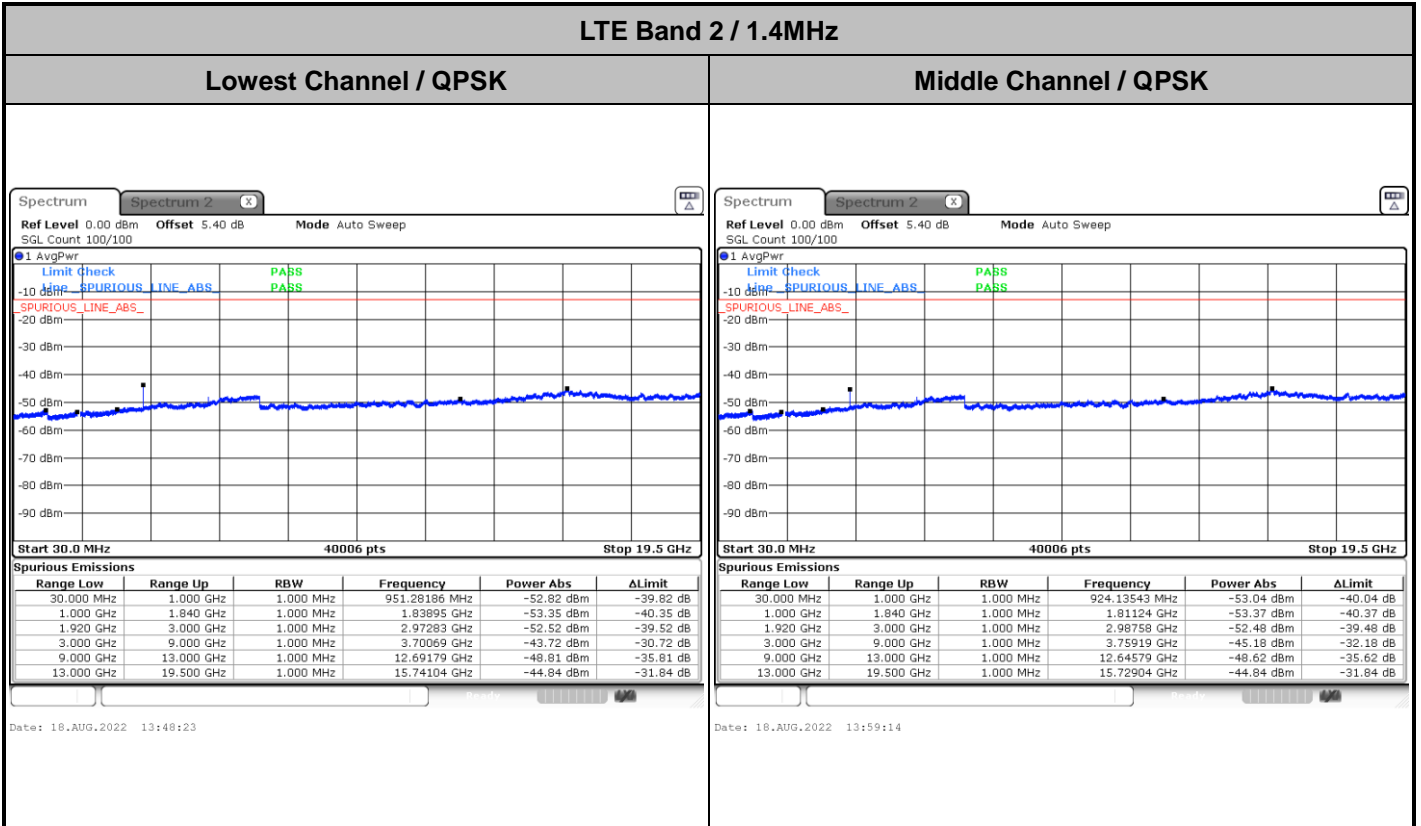




Conducted Spurious Emission

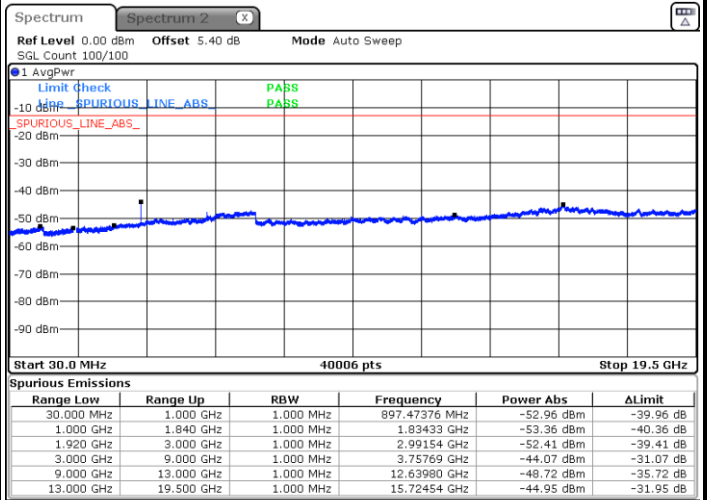
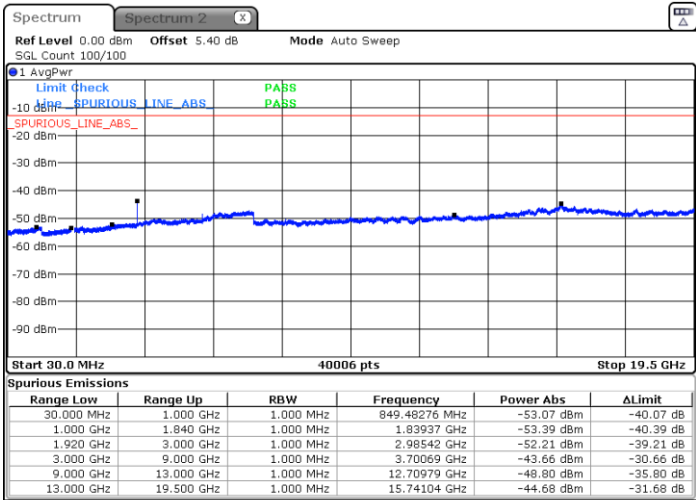




LTE Band 2 / 3MHz

Lowest Channel / QPSK

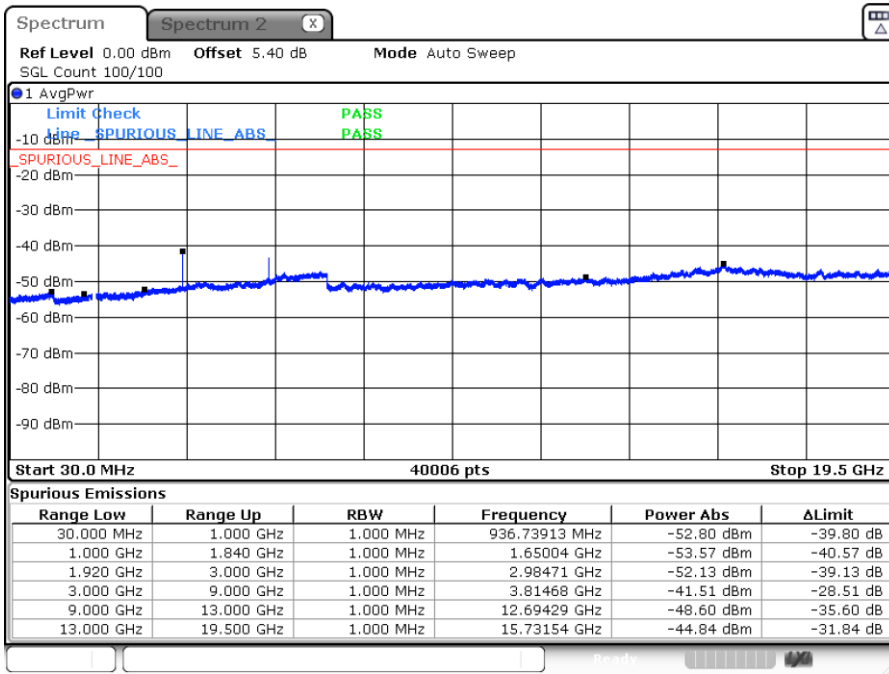
Middle Channel / QPSK



Date: 18.AUG.2022 14:10:14

Date: 18.AUG.2022 14:20:03

Highest Channel / QPSK



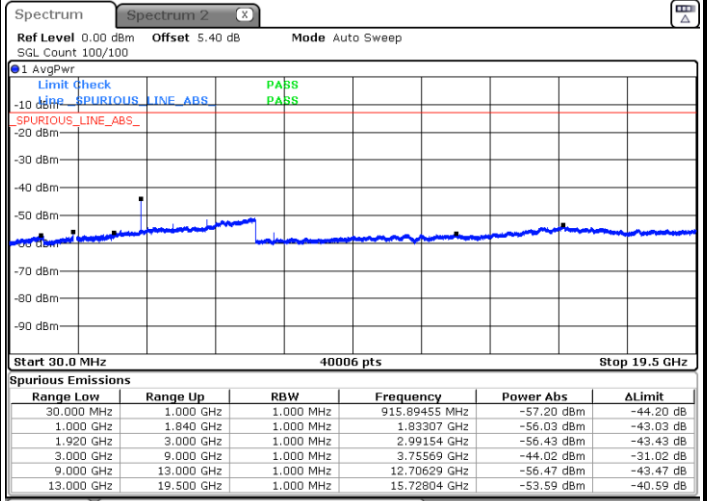
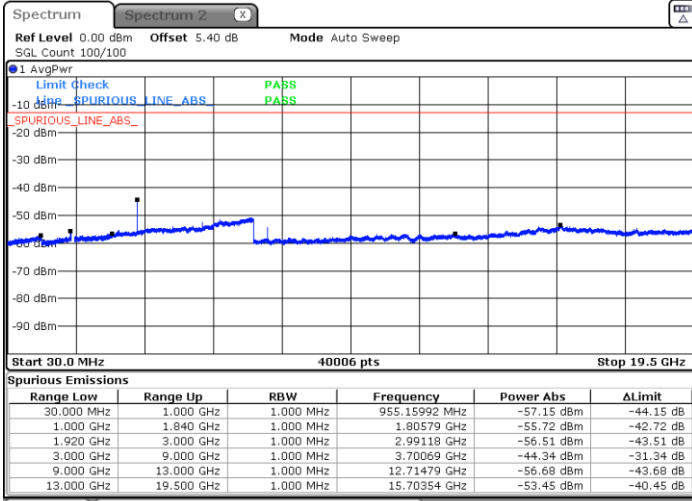
Date: 18.AUG.2022 14:21:10



LTE Band 2 / 5MHz

Lowest Channel / QPSK

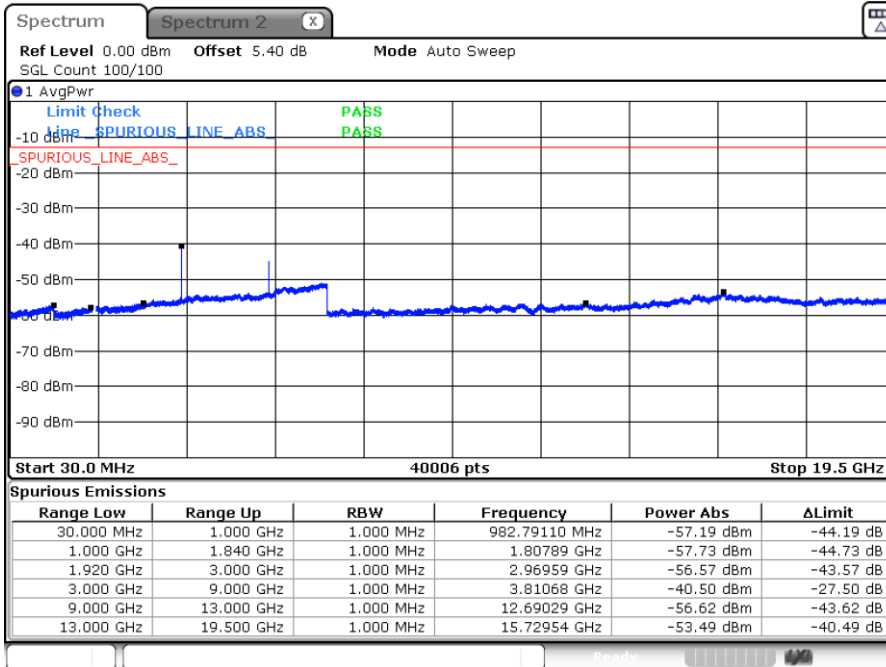
Middle Channel / QPSK



Date: 18.AUG.2022 14:31:42

Date: 18.AUG.2022 14:39:32

Highest Channel / QPSK



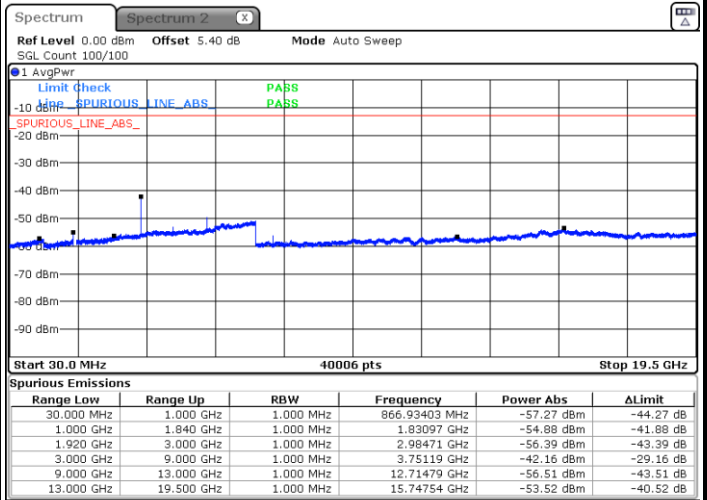
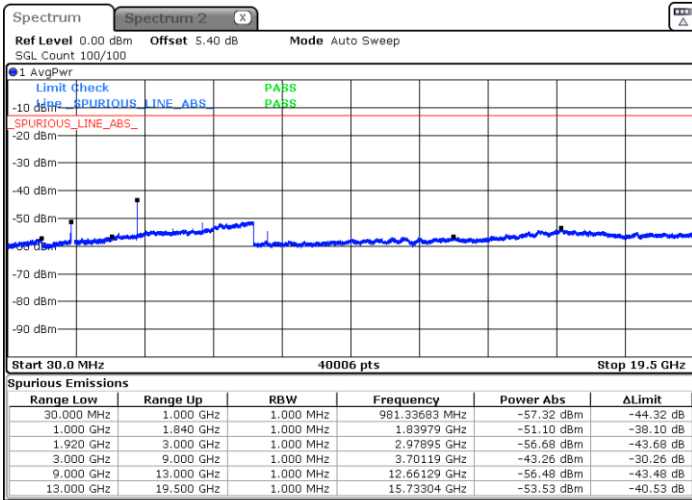
Date: 18.AUG.2022 14:40:39



LTE Band 2 / 10MHz

Lowest Channel / QPSK

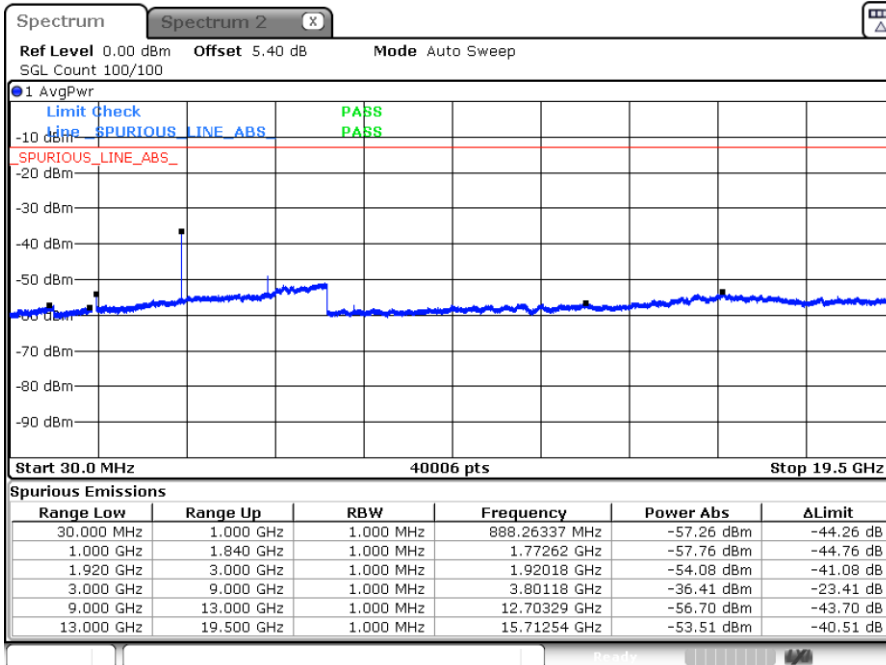
Middle Channel / QPSK



Date: 18.AUG.2022 14:48:31

Date: 18.AUG.2022 14:55:51

Highest Channel / QPSK

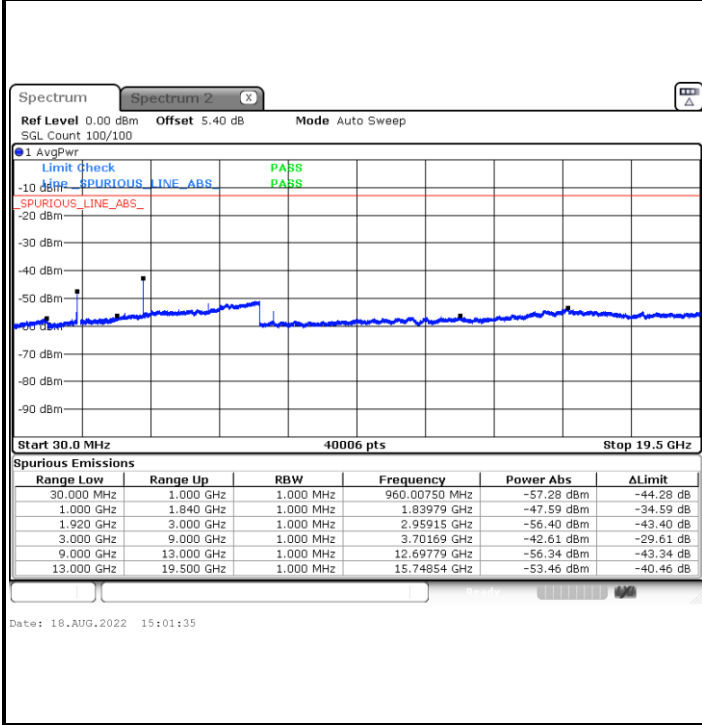


Date: 18.AUG.2022 14:56:58



LTE Band 2 / 15MHz

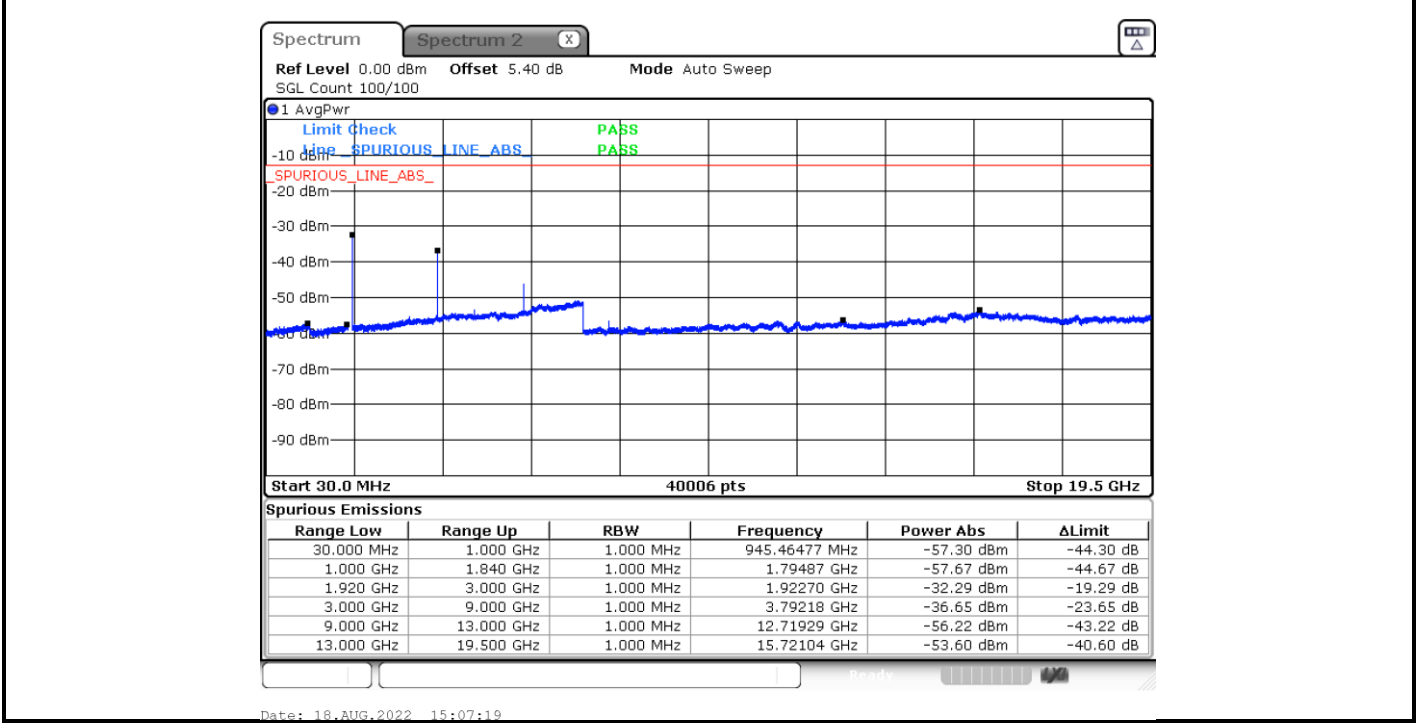
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

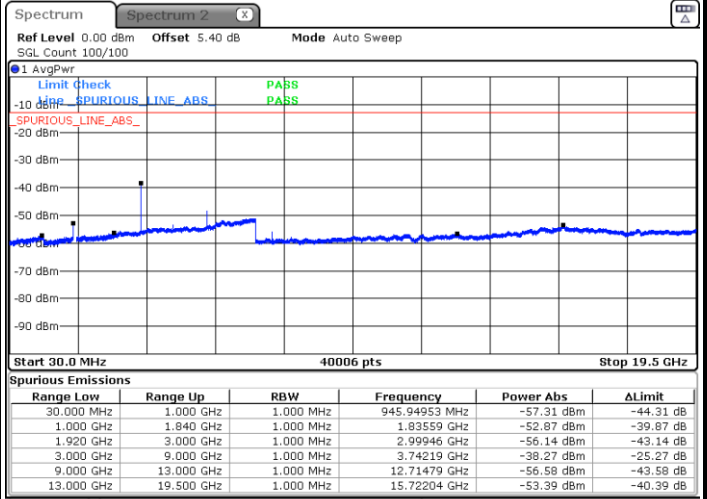
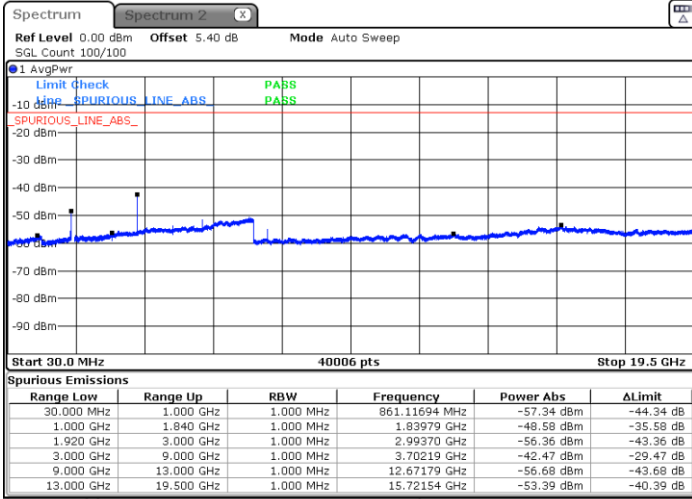




LTE Band 2 / 20MHz

Lowest Channel / QPSK

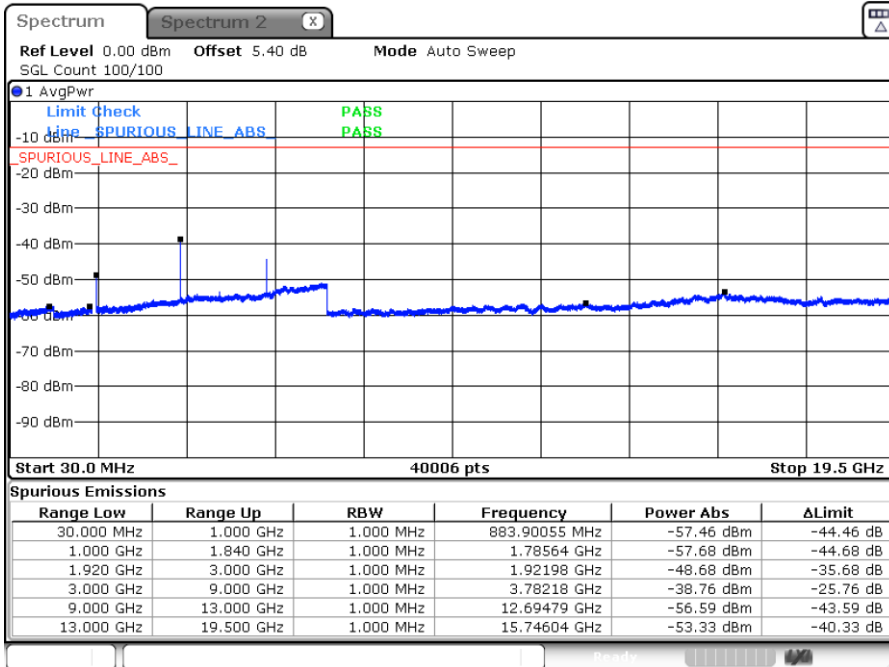
Middle Channel / QPSK



Date: 18.AUG.2022 15:11:56

Date: 18.AUG.2022 15:16:33

Highest Channel / QPSK



Date: 18.AUG.2022 15:17:40



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	0.0013	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0008	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0011	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0025	
20	Maximum Voltage	0.0017	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0026	

Note:

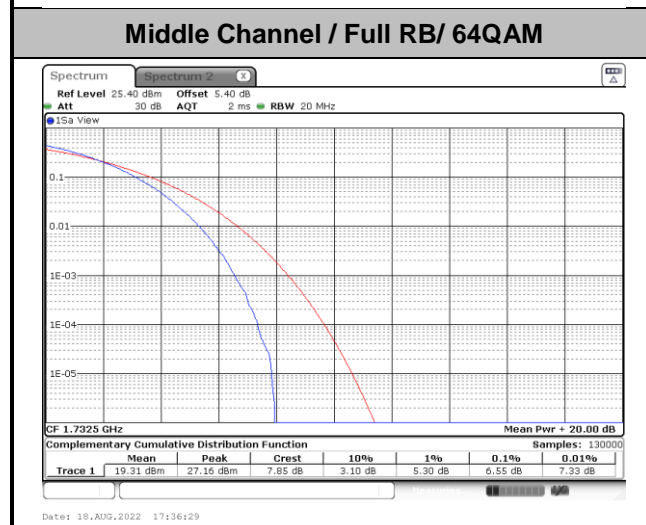
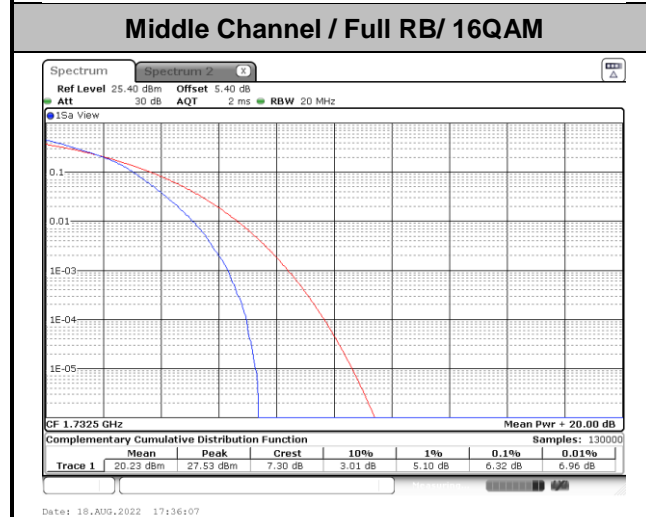
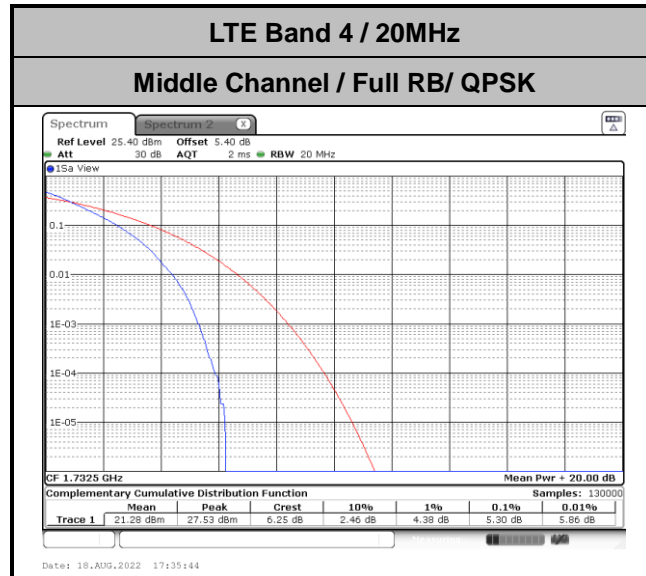
1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.4 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

Peak-to-Average Ratio

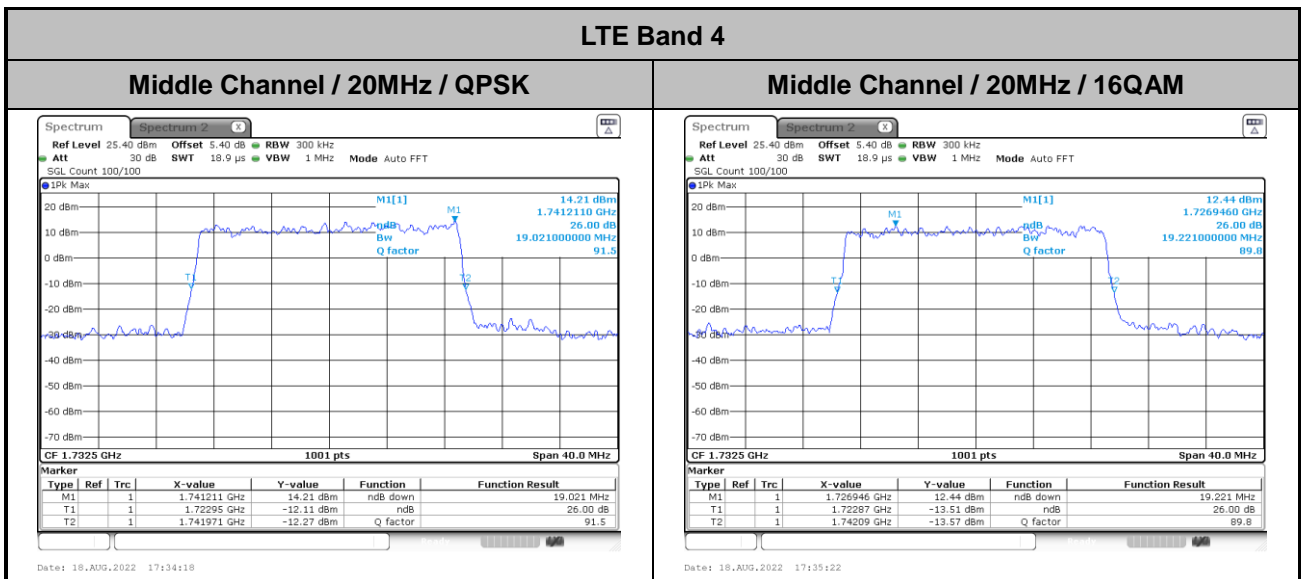
Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.30	6.32	6.55	PASS





26dB Bandwidth

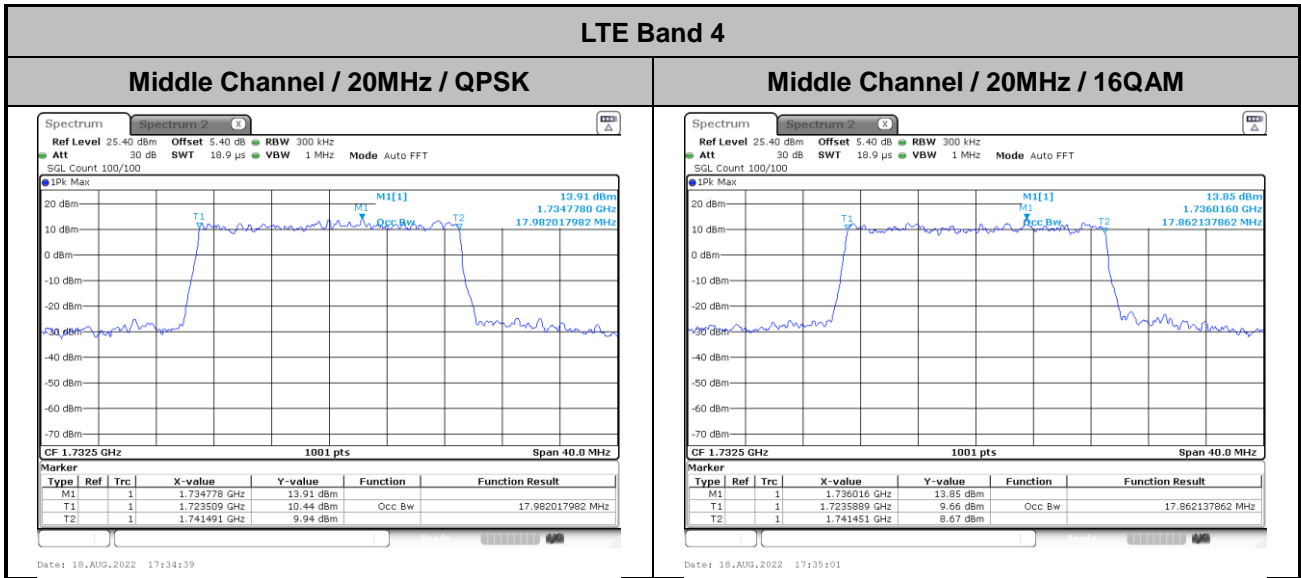
Mode	LTE Band 4 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.02	19.22





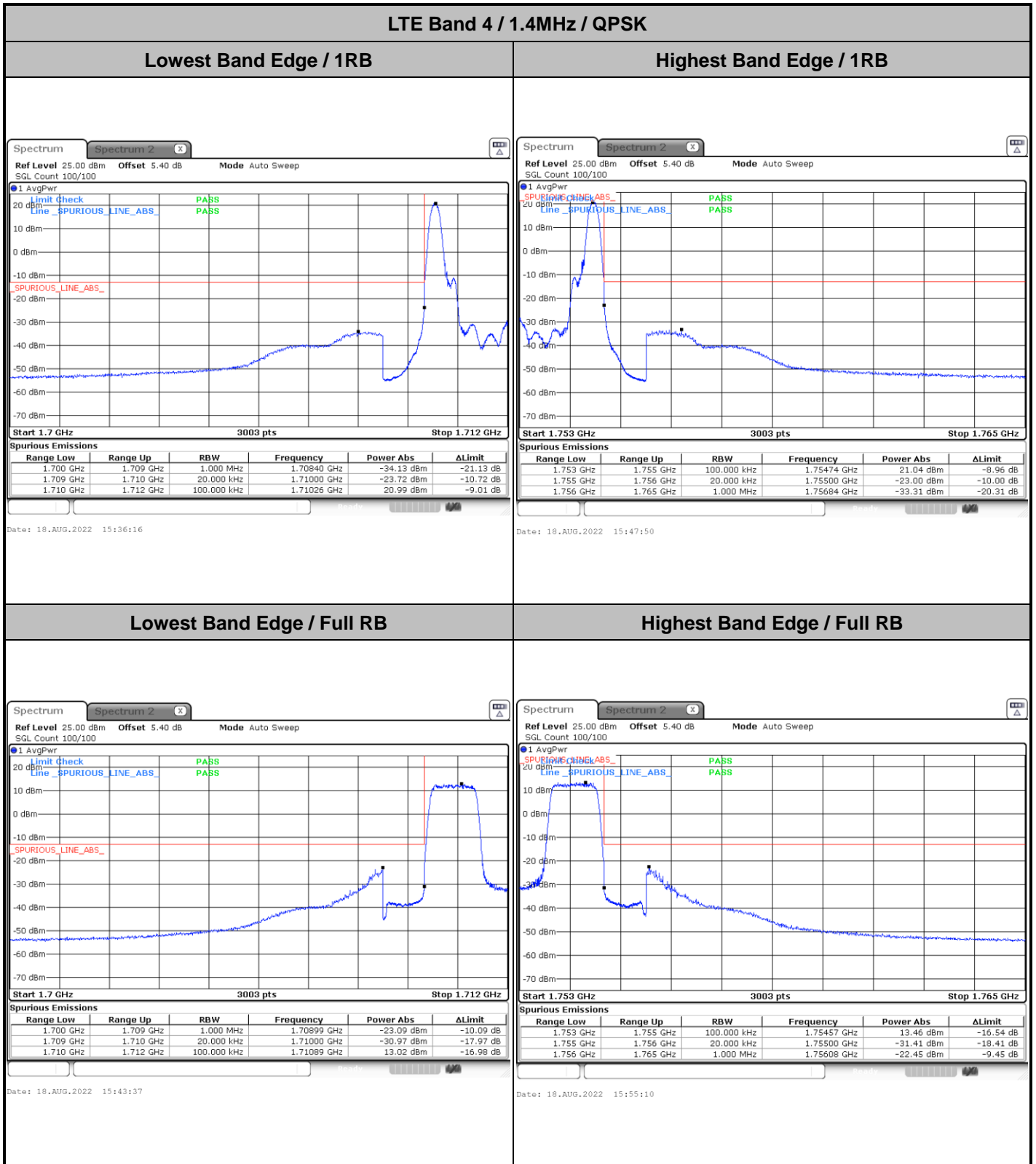
Occupied Bandwidth

Mode	LTE Band 4 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.98	17.86





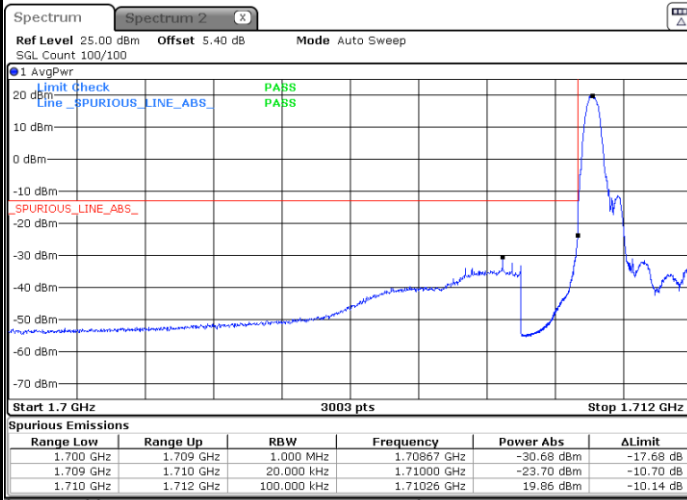
Conducted Band Edge





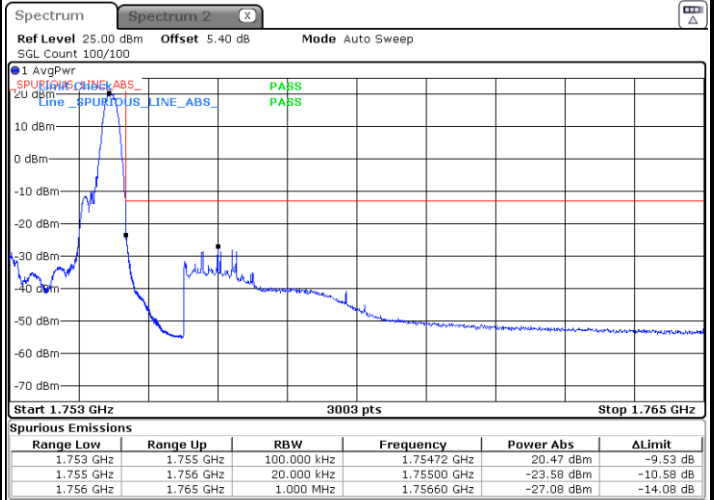
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



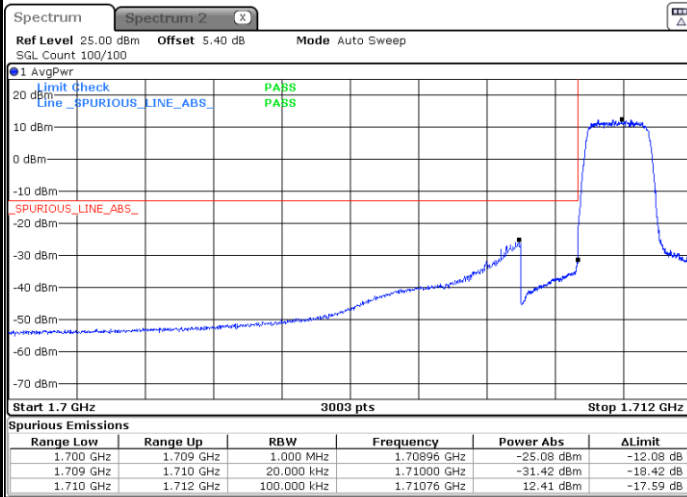
Date: 18.AUG.2022 15:37:44

Highest Band Edge / 1 RB



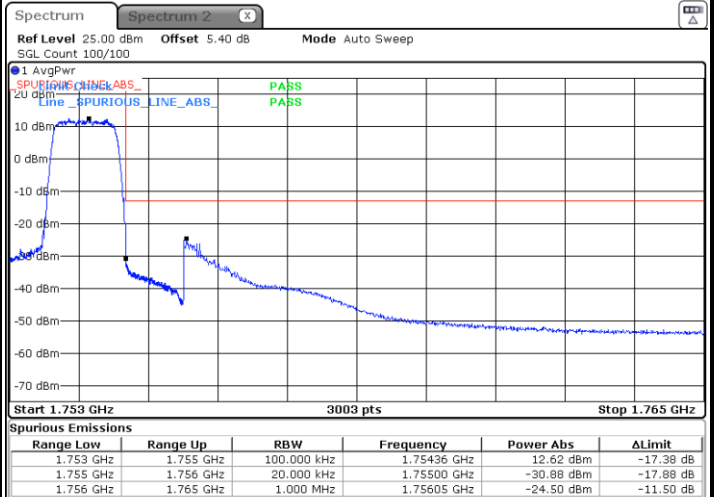
Date: 18.AUG.2022 15:49:18

Lowest Band Edge / Full RB



Date: 18.AUG.2022 15:42:08

Highest Band Edge / Full RB

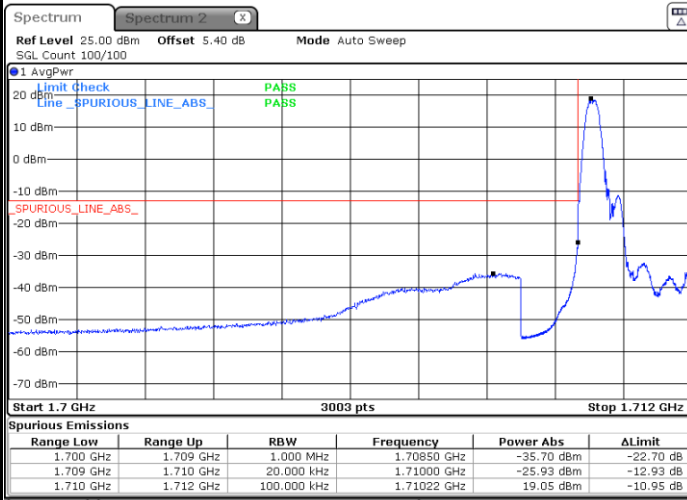


Date: 18.AUG.2022 15:53:42



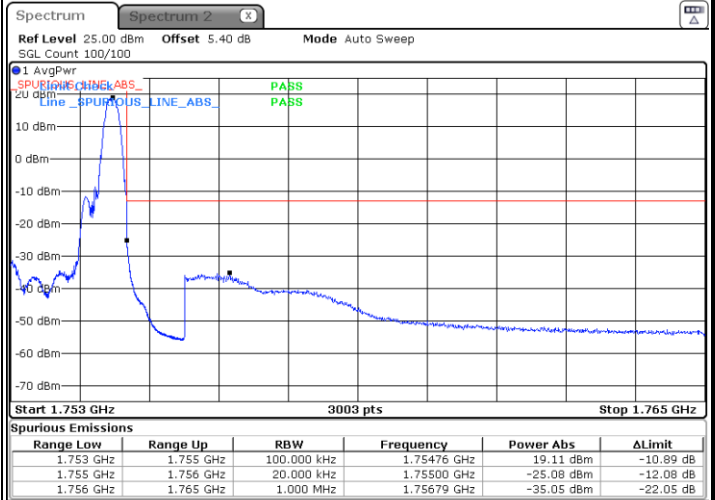
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



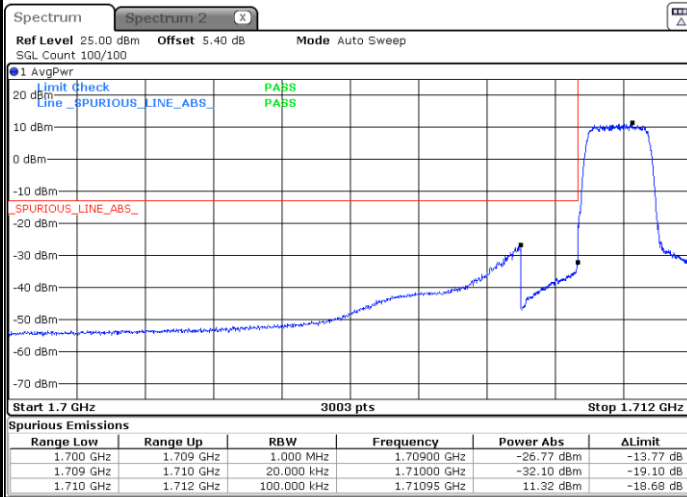
Date: 18.AUG.2022 15:39:12

Highest Band Edge / 1 RB



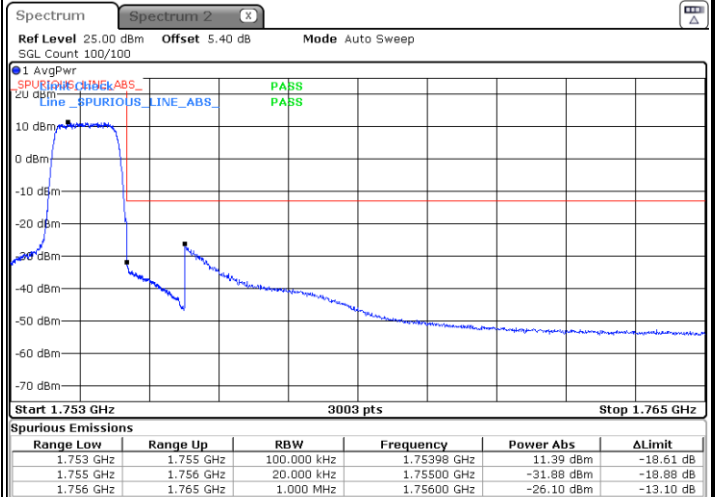
Date: 18.AUG.2022 15:50:46

Lowest Band Edge / Full RB



Date: 18.AUG.2022 15:40:40

Highest Band Edge / Full RB

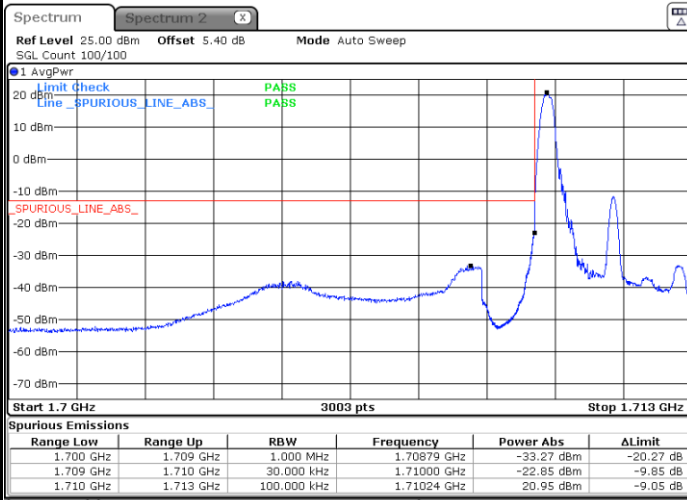


Date: 18.AUG.2022 15:52:14



LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



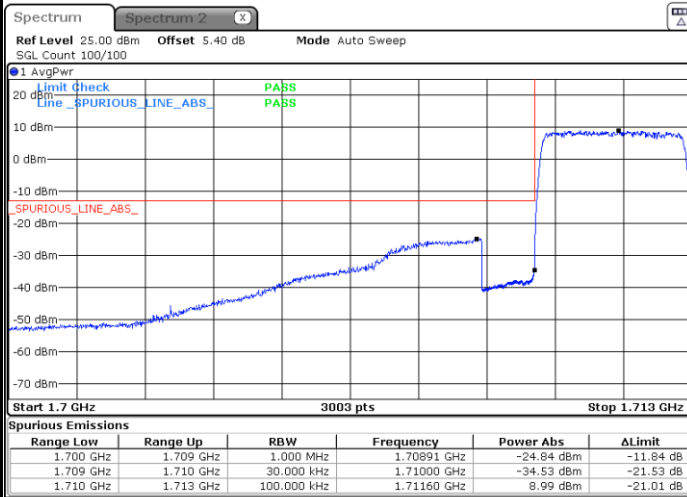
Date: 18.AUG.2022 15:58:02

Highest Band Edge / 1 RB



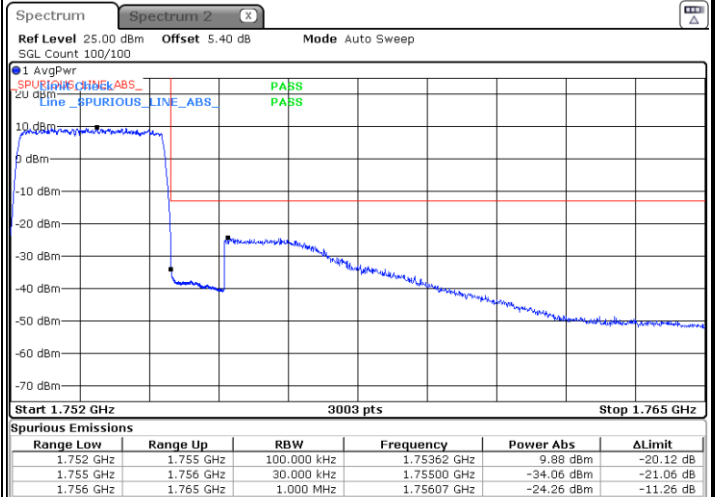
Date: 18.AUG.2022 16:09:34

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:05:22

Highest Band Edge / Full RB

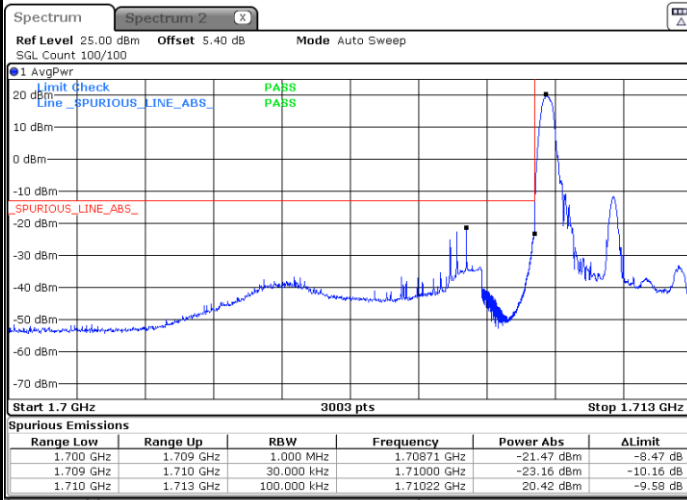


Date: 18.AUG.2022 16:16:54



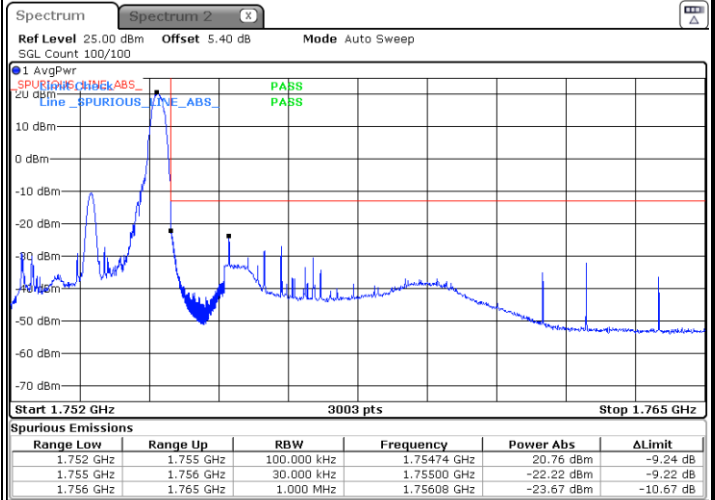
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



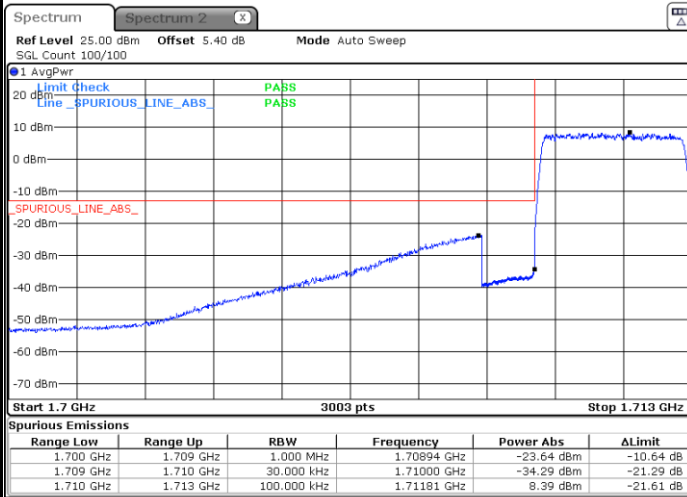
Date: 18.AUG.2022 15:59:30

Highest Band Edge / 1 RB



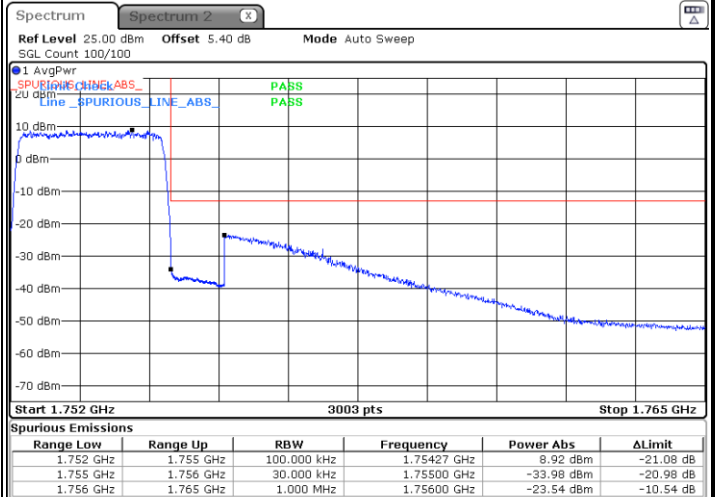
Date: 18.AUG.2022 16:11:02

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:03:54

Highest Band Edge / Full RB

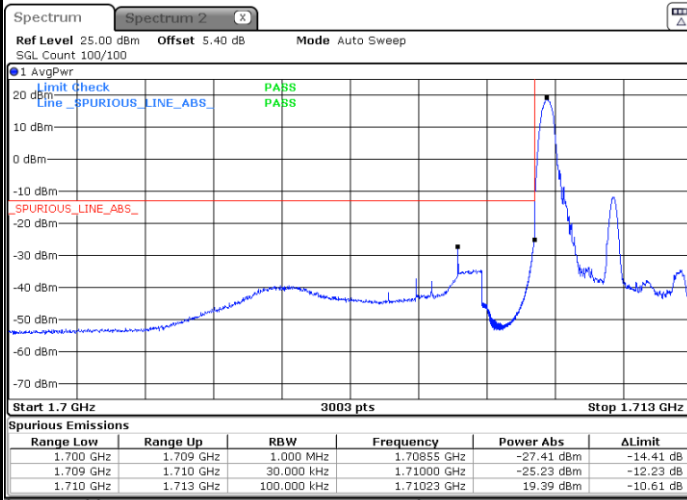


Date: 18.AUG.2022 16:15:26



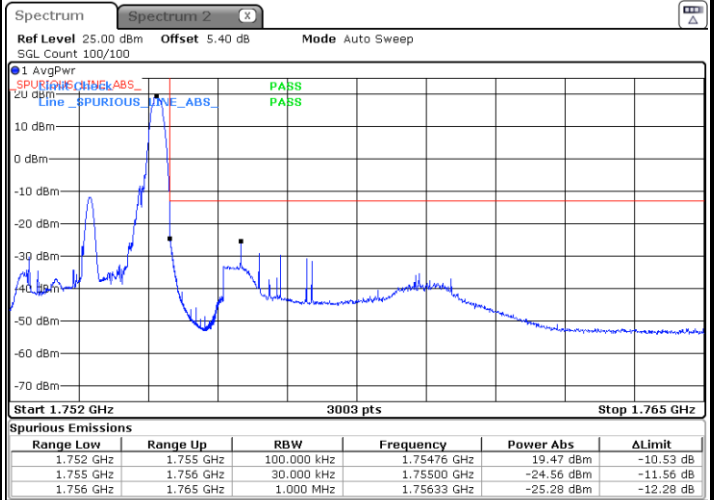
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



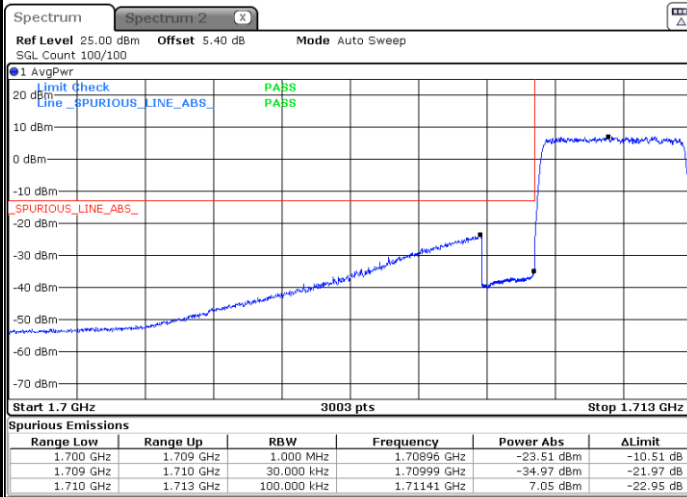
Date: 18.AUG.2022 16:00:58

Highest Band Edge / 1 RB



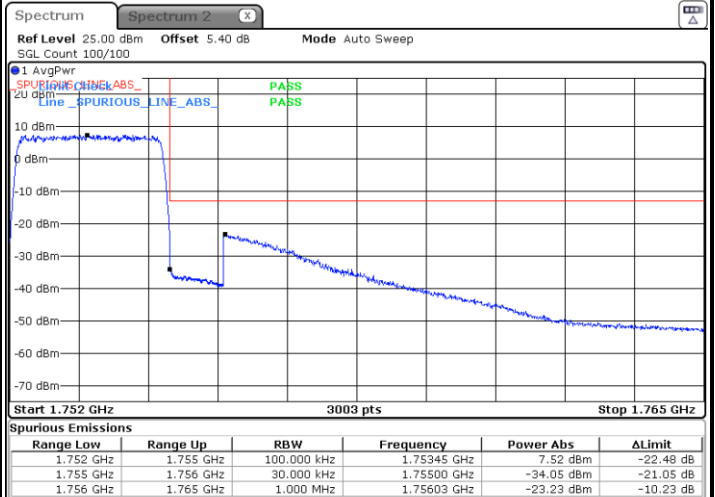
Date: 18.AUG.2022 16:12:30

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:02:26

Highest Band Edge / Full RB

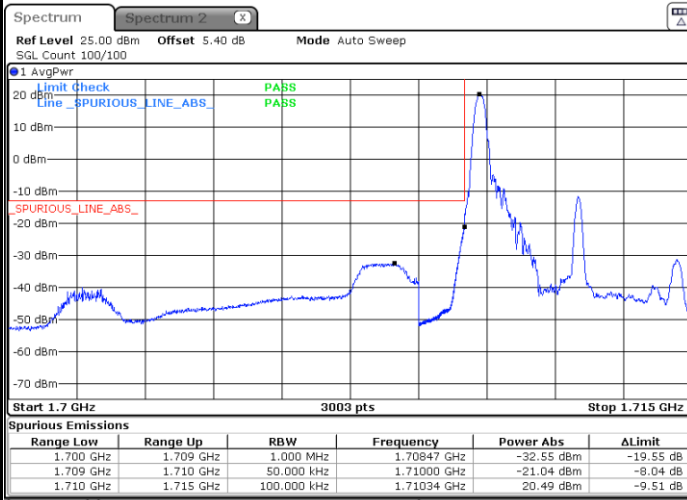


Date: 18.AUG.2022 16:13:58



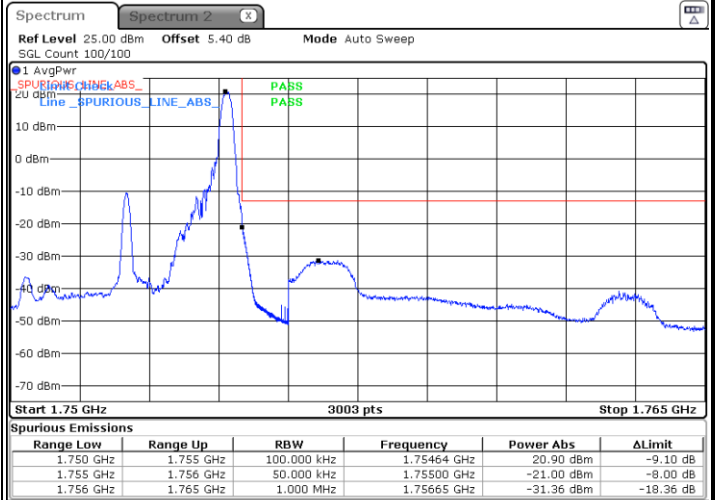
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



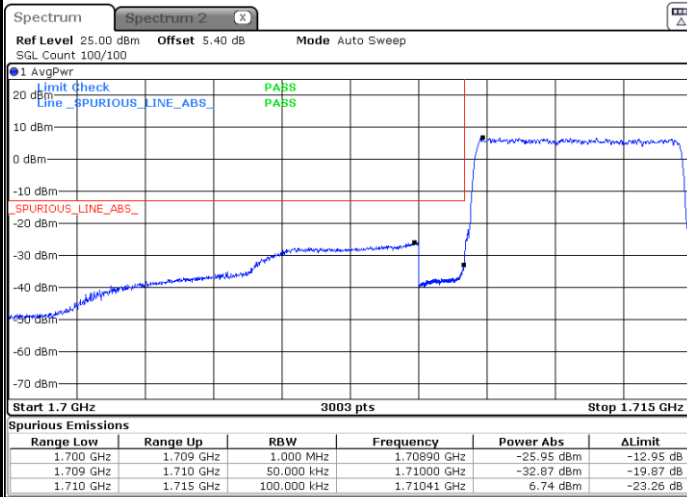
Date: 18.AUG.2022 16:19:46

Highest Band Edge / 1 RB



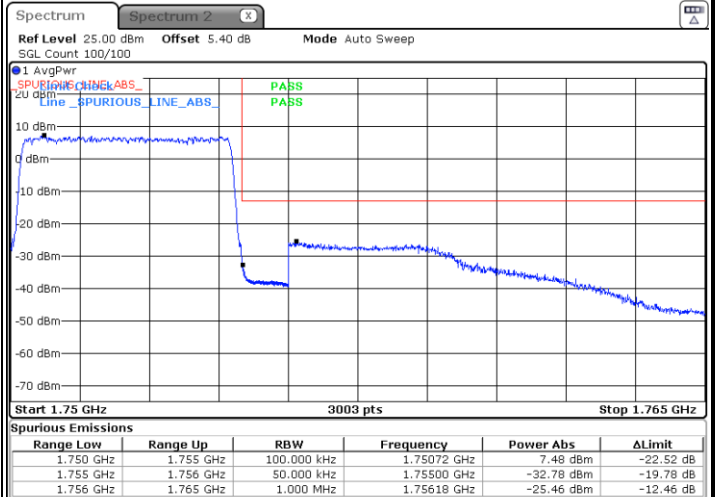
Date: 18.AUG.2022 16:31:20

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:27:07

Highest Band Edge / Full RB

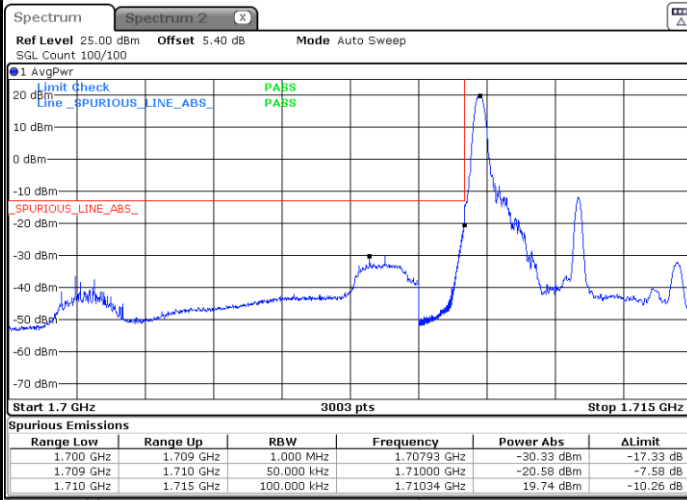


Date: 18.AUG.2022 16:37:16



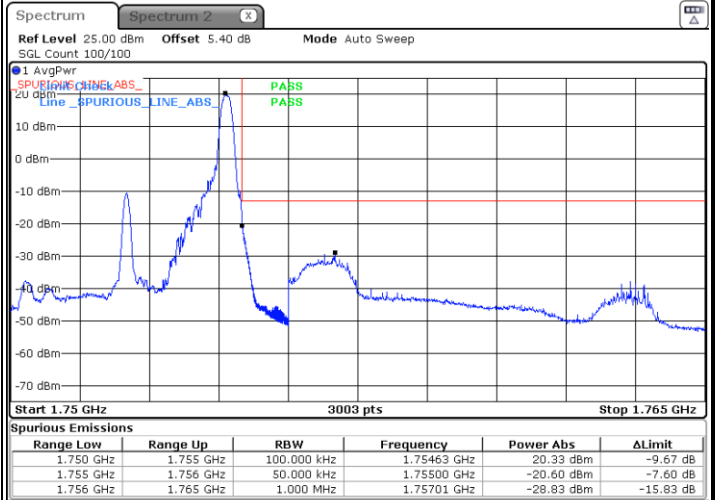
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



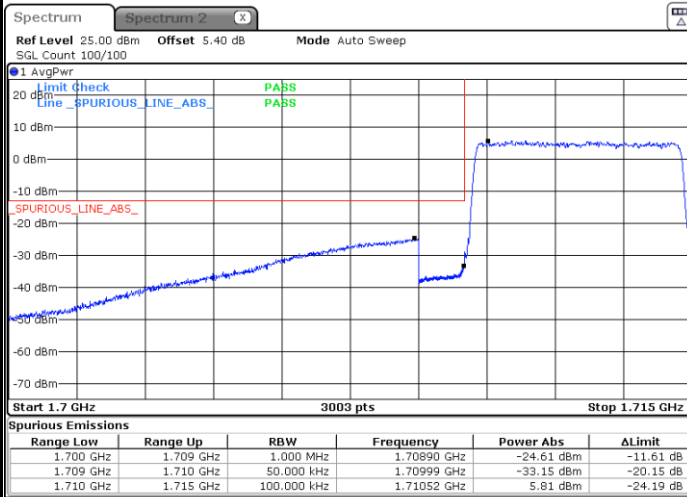
Date: 18.AUG.2022 16:21:14

Highest Band Edge / 1 RB



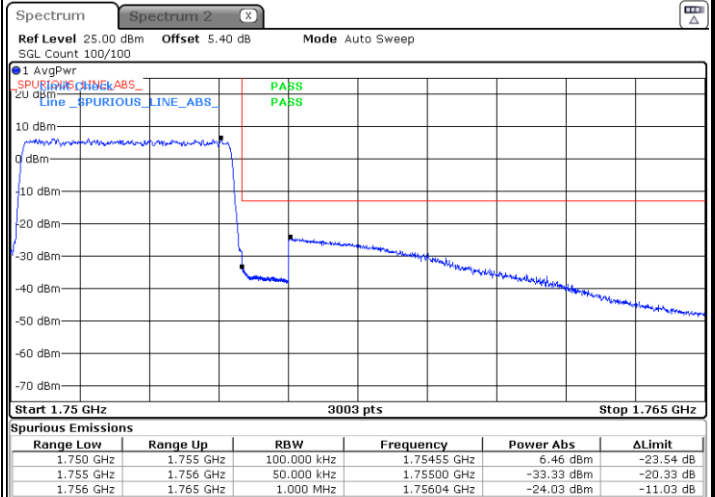
Date: 18.AUG.2022 16:32:48

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:25:38

Highest Band Edge / Full RB

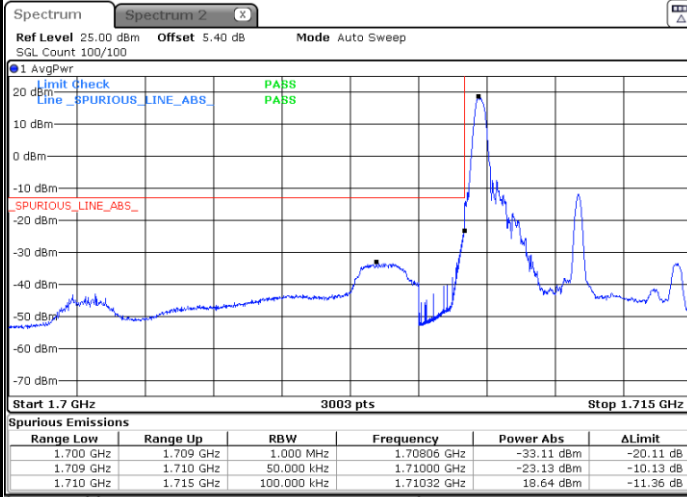


Date: 18.AUG.2022 16:36:26



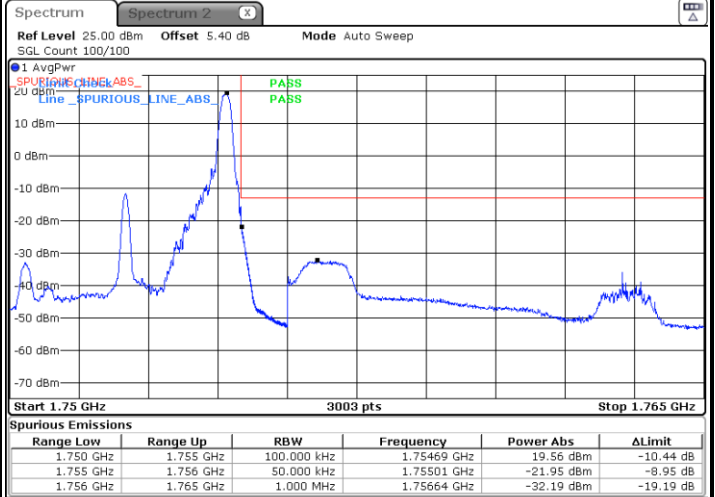
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



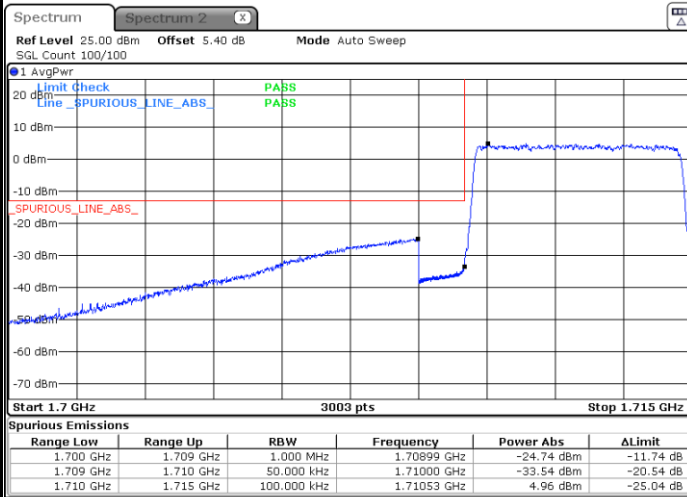
Date: 18.AUG.2022 16:22:42

Highest Band Edge / 1 RB



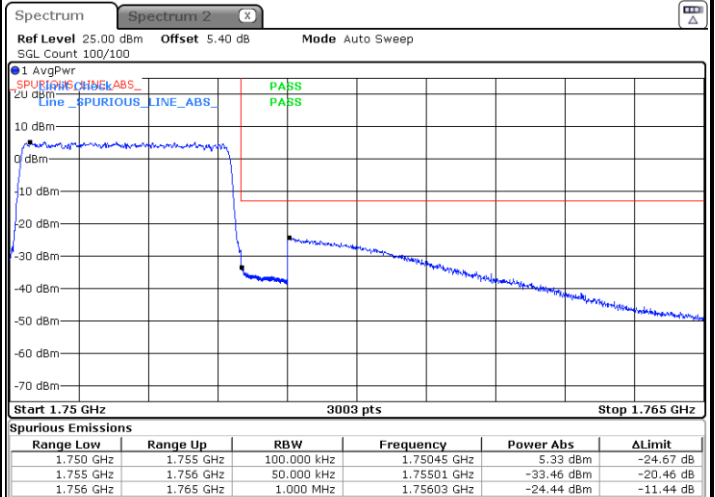
Date: 18.AUG.2022 16:34:44

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:24:10

Highest Band Edge / Full RB

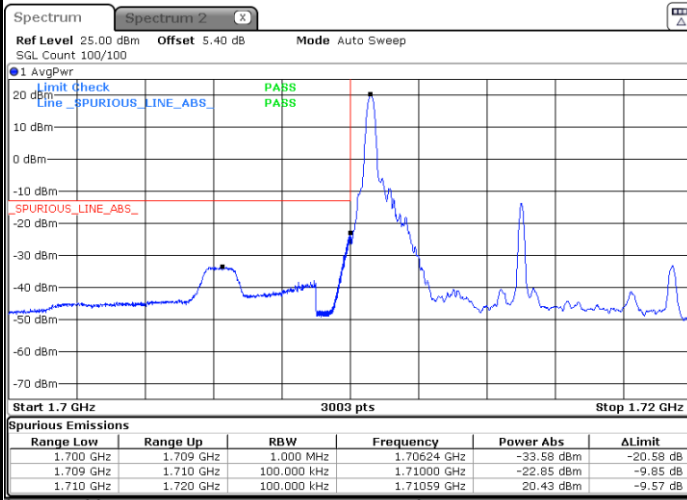


Date: 18.AUG.2022 16:35:36



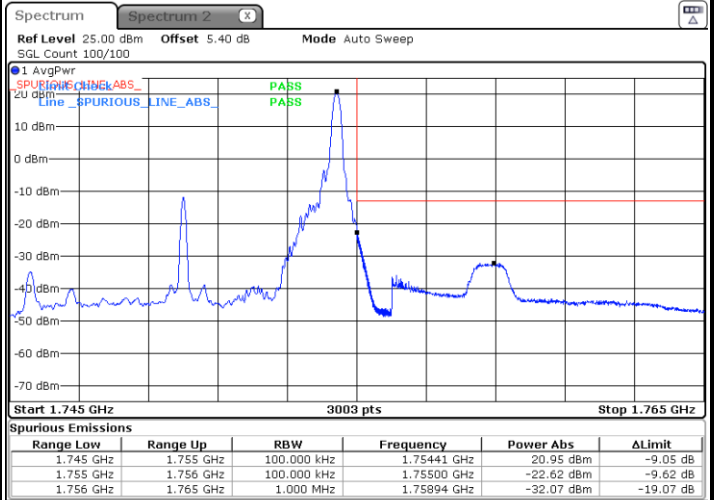
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



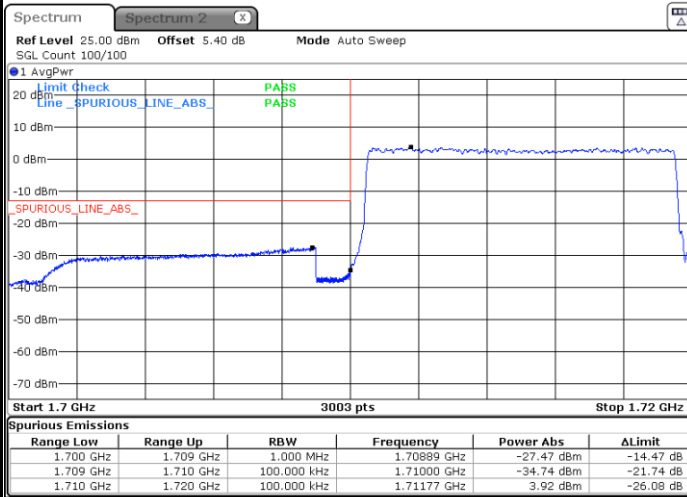
Date: 18.AUG.2022 16:39:29

Highest Band Edge / 1 RB



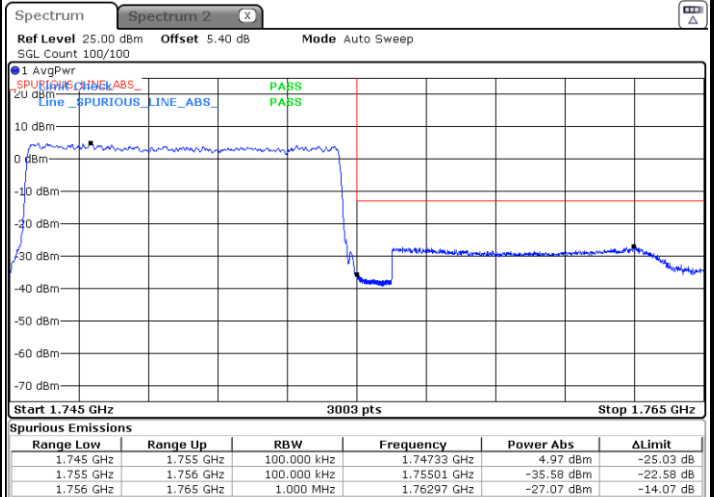
Date: 18.AUG.2022 16:47:13

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:43:39

Highest Band Edge / Full RB

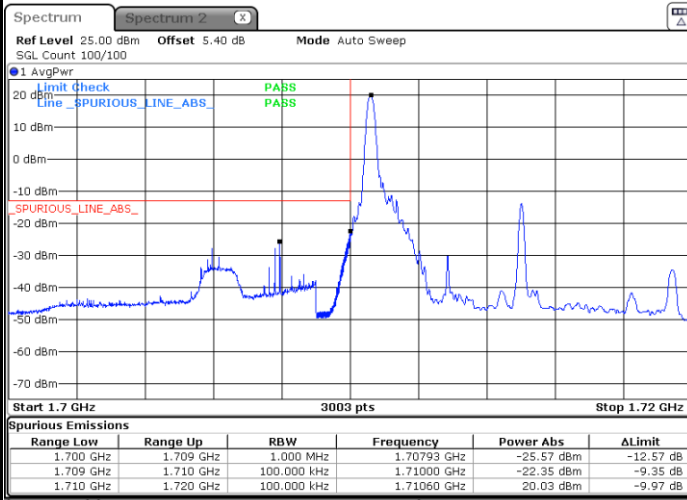


Date: 18.AUG.2022 16:51:23



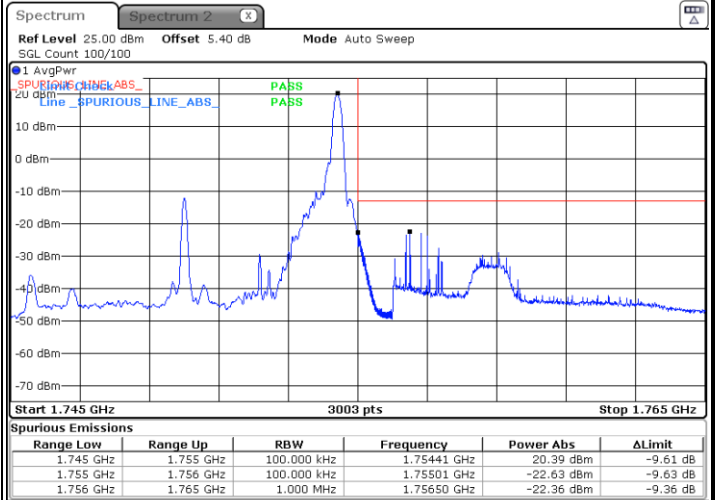
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



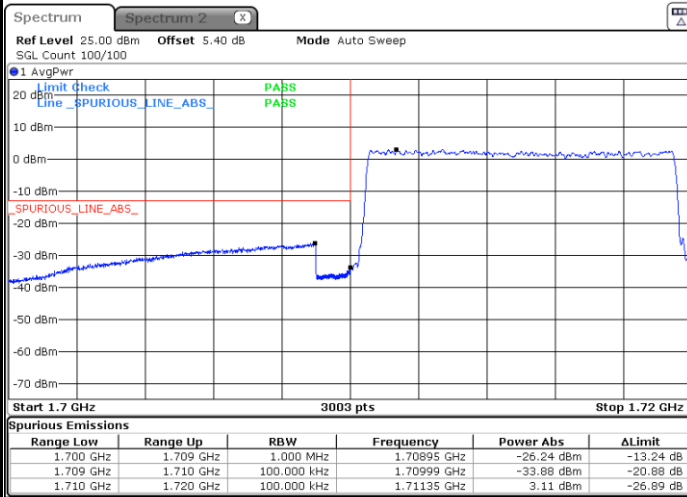
Date: 18.AUG.2022 16:40:19

Highest Band Edge / 1 RB



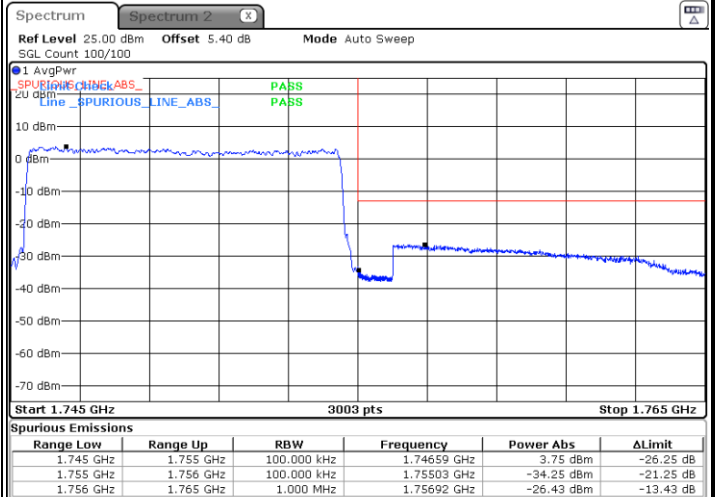
Date: 18.AUG.2022 16:48:04

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:42:49

Highest Band Edge / Full RB

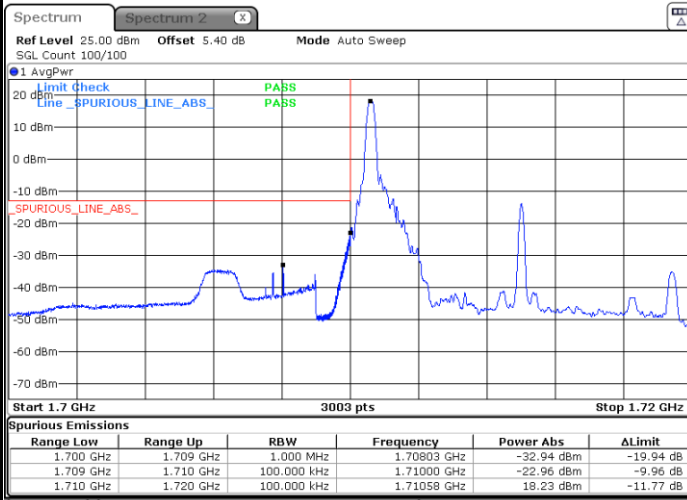


Date: 18.AUG.2022 16:50:33



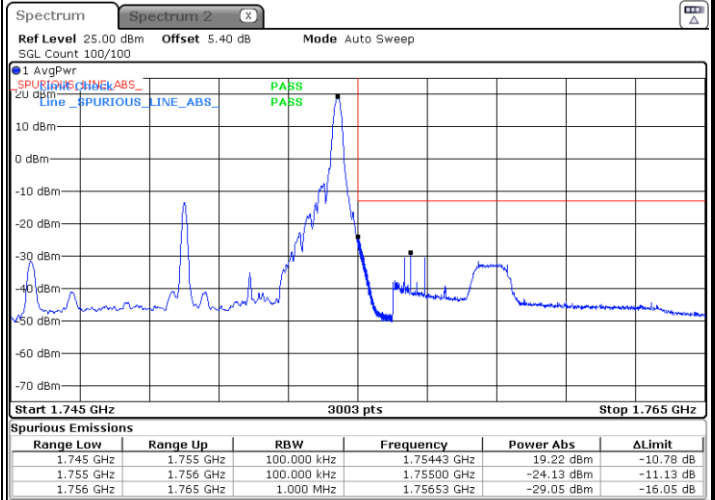
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



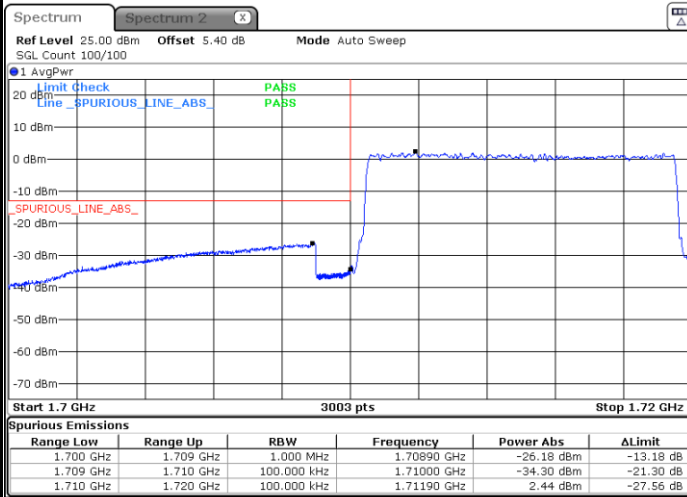
Date: 18.AUG.2022 16:41:09

Highest Band Edge / 1 RB



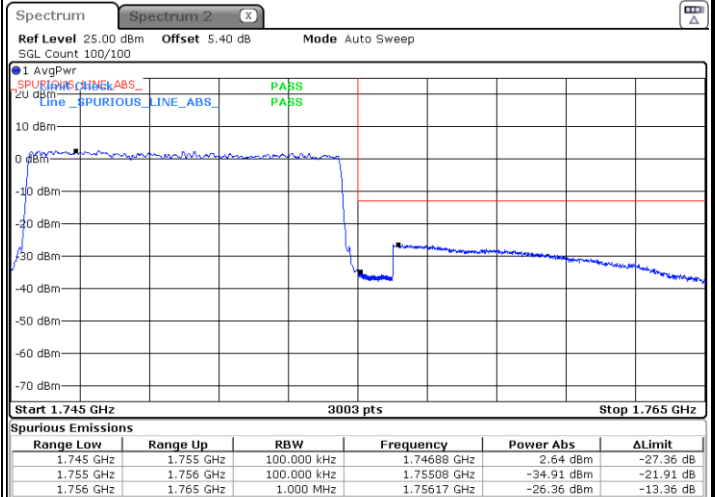
Date: 18.AUG.2022 16:48:53

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:41:59

Highest Band Edge / Full RB

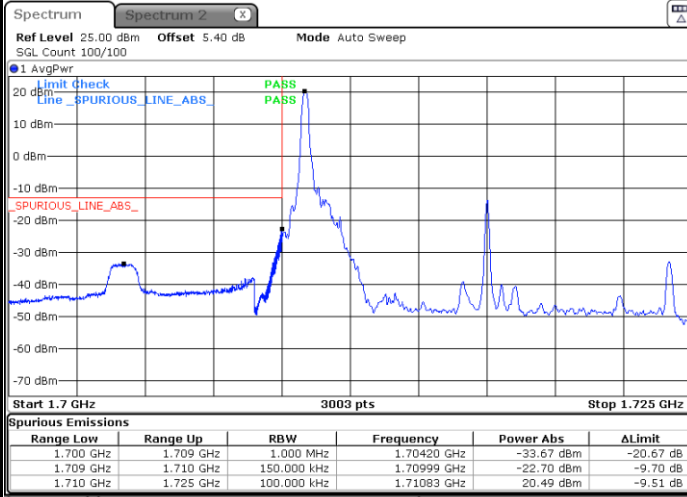


Date: 18.AUG.2022 16:49:43



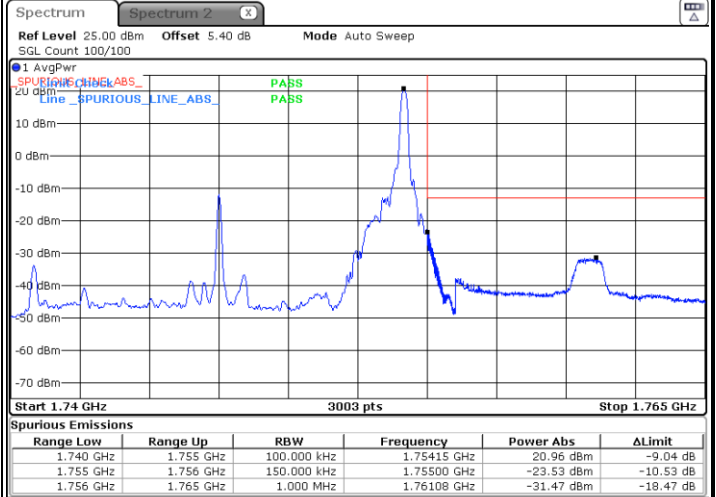
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



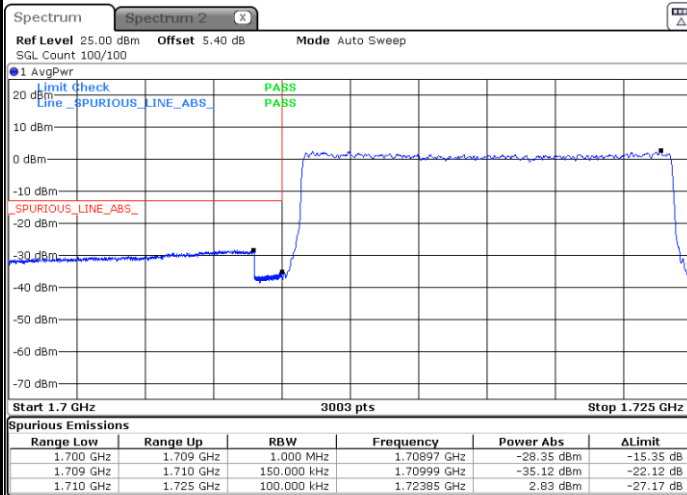
Date: 18.AUG.2022 16:53:36

Highest Band Edge / 1 RB



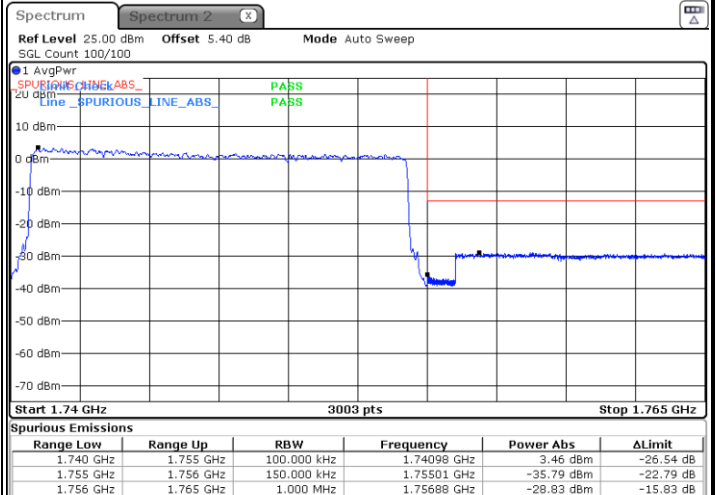
Date: 18.AUG.2022 17:01:20

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:57:46

Highest Band Edge / Full RB

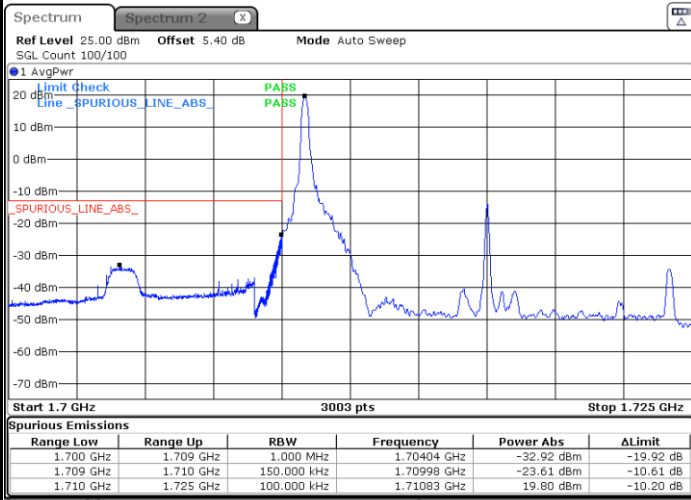


Date: 18.AUG.2022 17:05:30



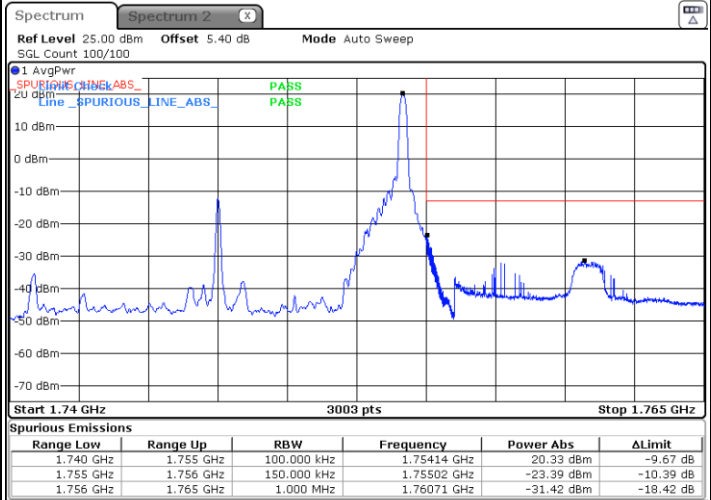
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



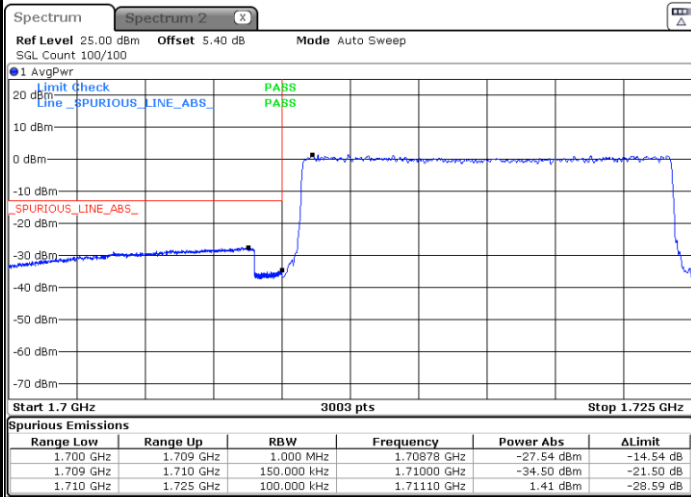
Date: 18.AUG.2022 16:54:26

Highest Band Edge / 1 RB



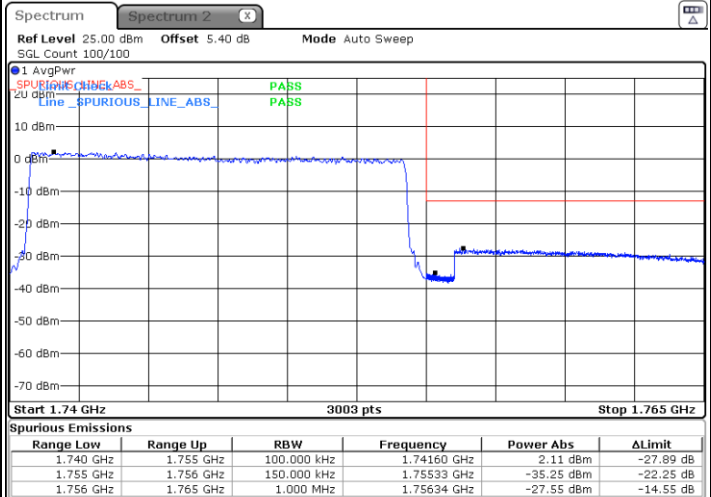
Date: 18.AUG.2022 17:02:10

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:56:56

Highest Band Edge / Full RB

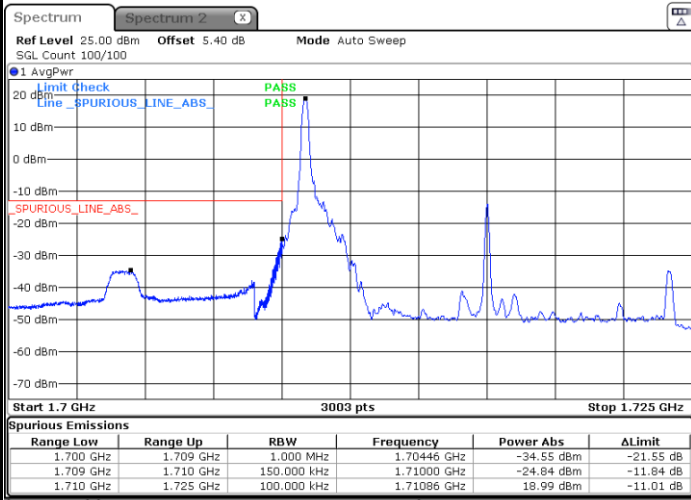


Date: 18.AUG.2022 17:04:40



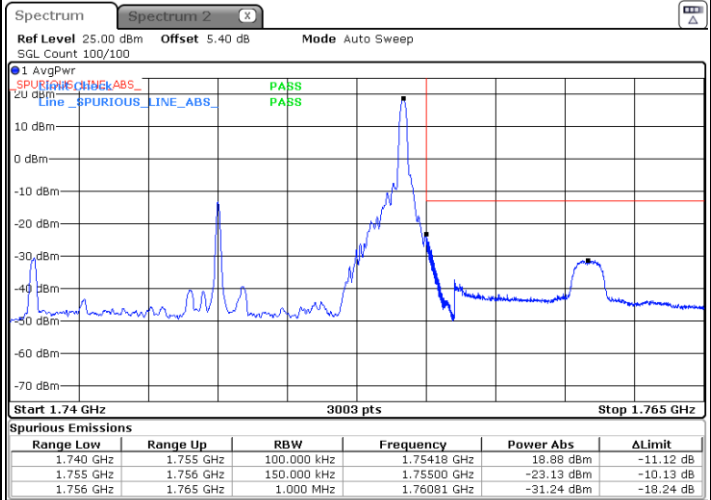
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



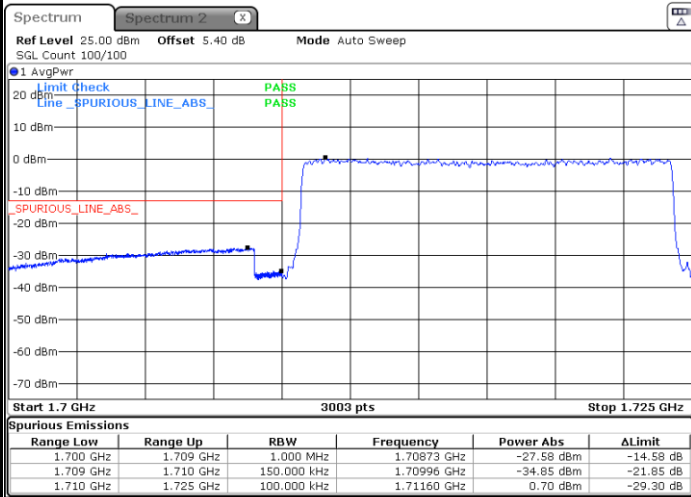
Date: 18.AUG.2022 16:55:16

Highest Band Edge / 1 RB



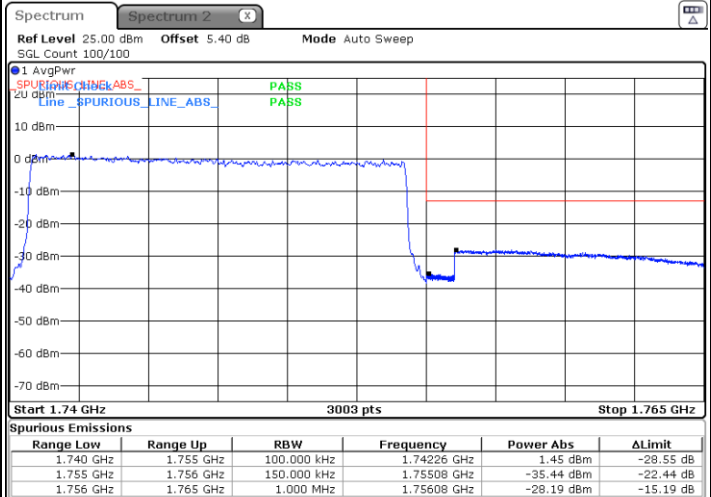
Date: 18.AUG.2022 17:03:00

Lowest Band Edge / Full RB



Date: 18.AUG.2022 16:56:06

Highest Band Edge / Full RB

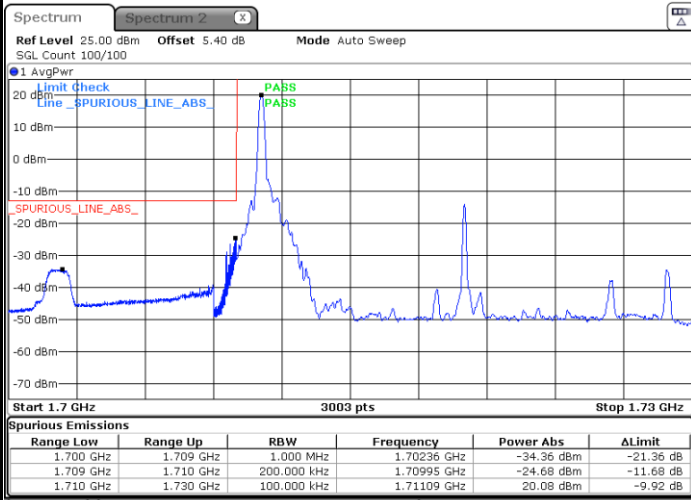


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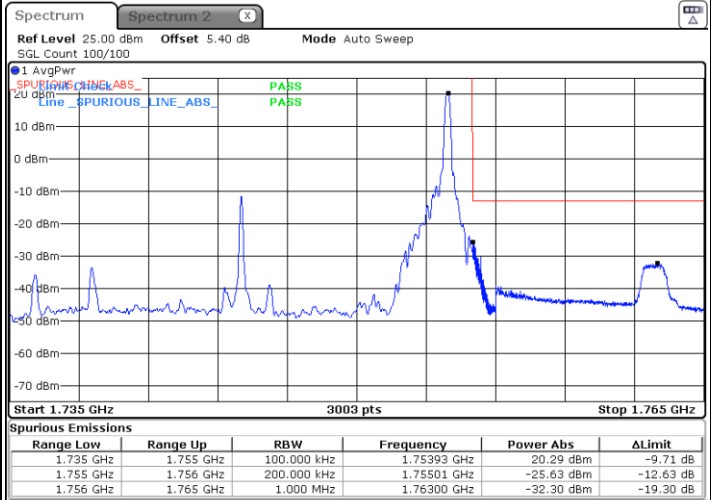
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



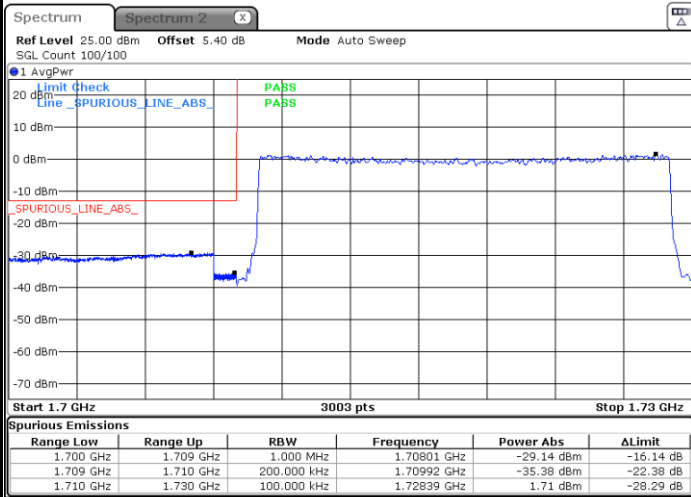
Date: 18.AUG.2022 17:07:43

Highest Band Edge / 1 RB



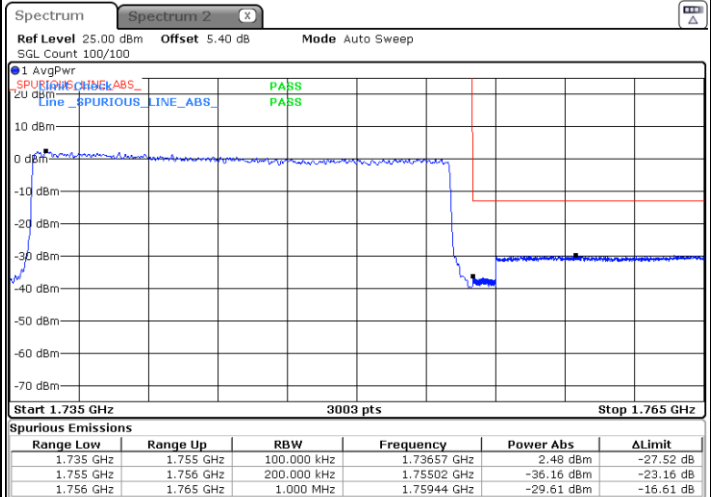
Date: 18.AUG.2022 17:29:47

Lowest Band Edge / Full RB



Date: 18.AUG.2022 17:26:13

Highest Band Edge / Full RB



Date: 18.AUG.2022 17:33:57