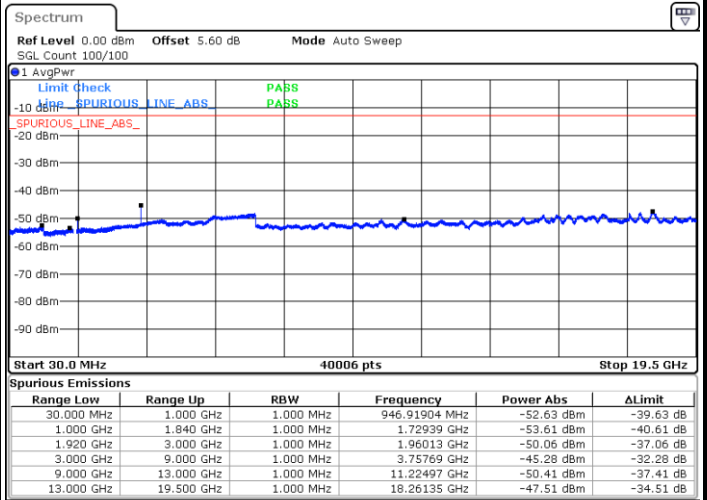
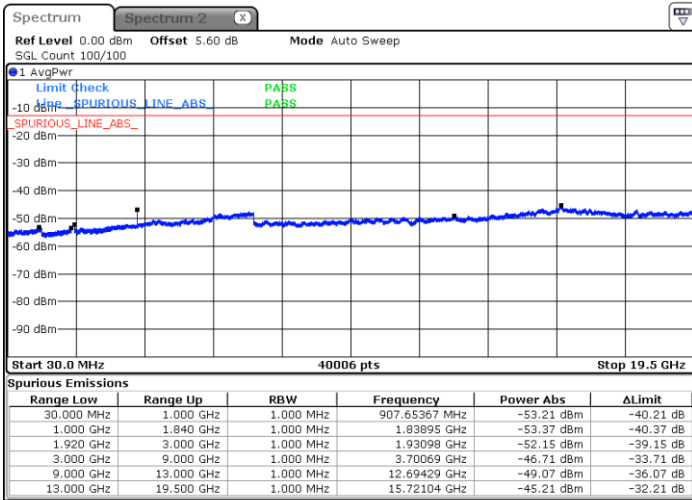




LTE Band 2 / 3MHz

Lowest Channel / QPSK

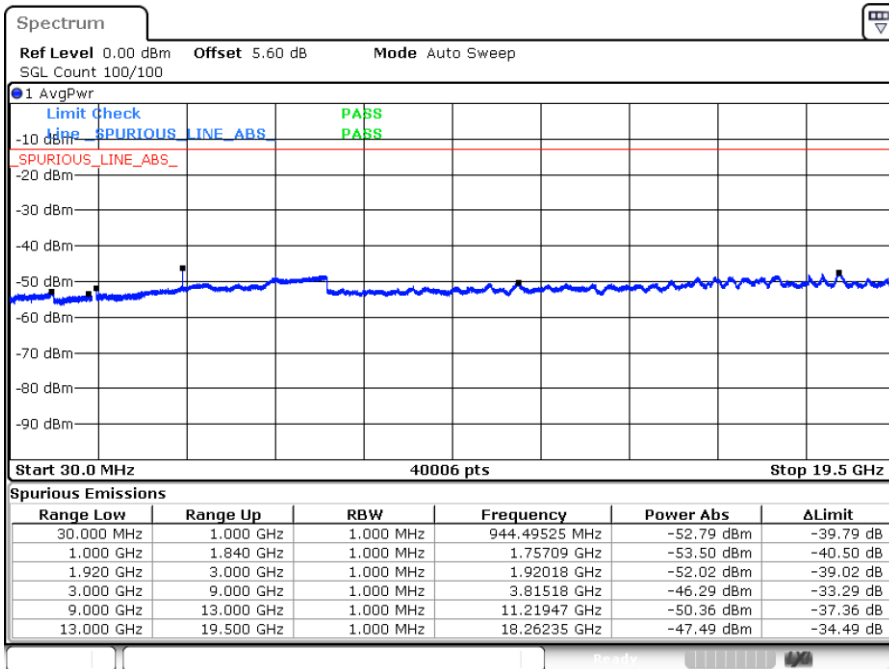
Middle Channel / QPSK



Date: 8 JUL 2022 09:38:31

Date: 9 JUL 2022 09:55:09

Highest Channel / QPSK



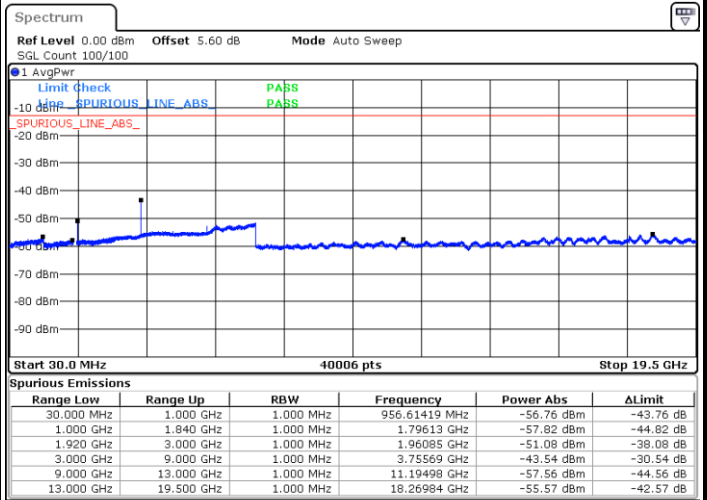
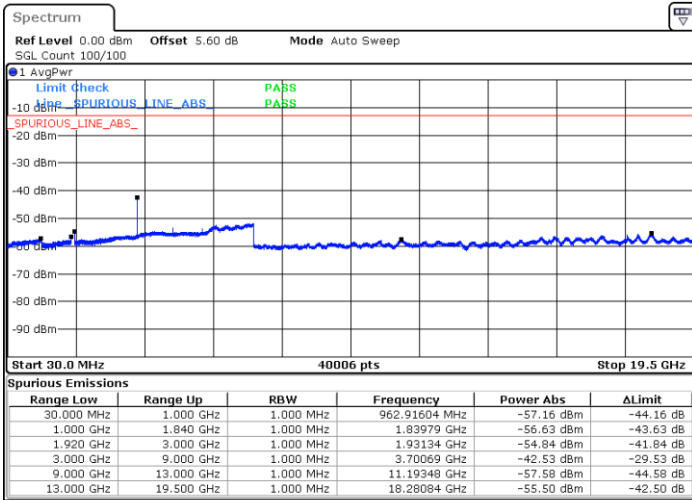
Date: 9 JUL 2022 09:56:31



LTE Band 2 / 5MHz

Lowest Channel / QPSK

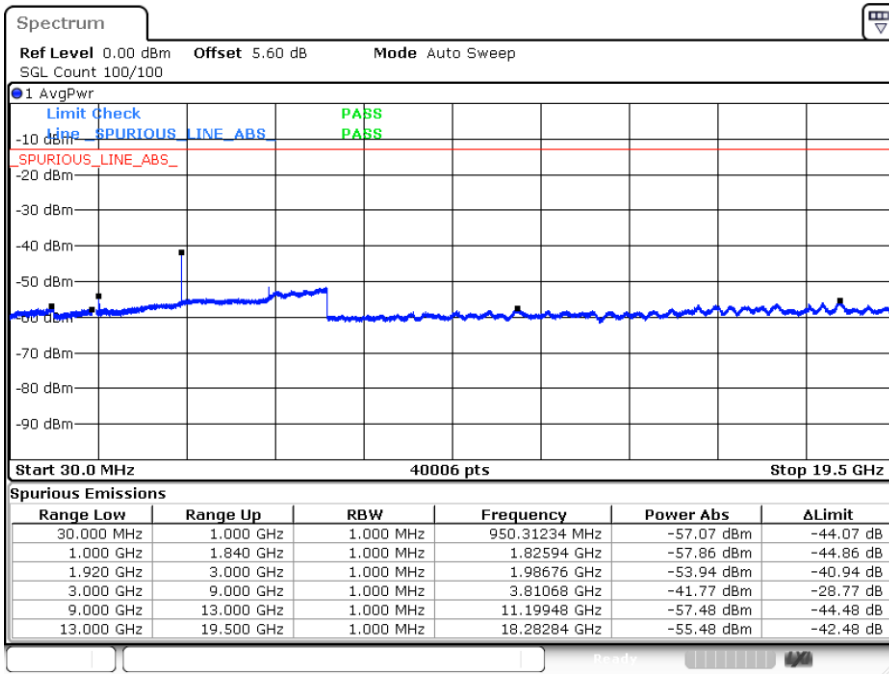
Middle Channel / QPSK



Date: 9.JUL.2022 10:04:00

Date: 9.JUL.2022 10:11:28

Highest Channel / QPSK



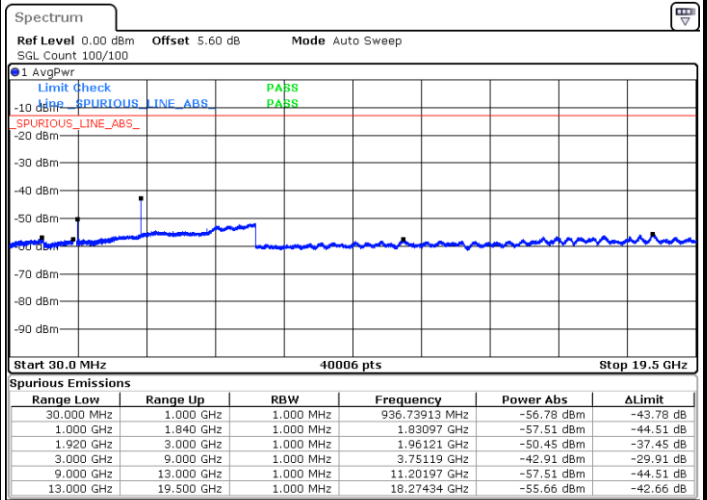
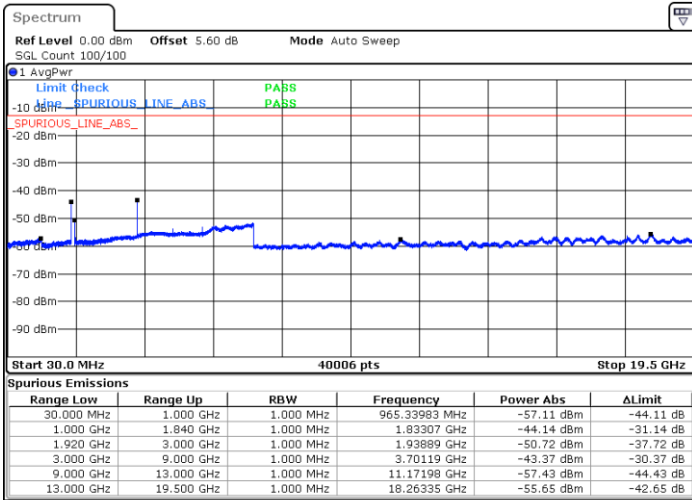
Date: 9.JUL.2022 10:12:50



LTE Band 2 / 10MHz

Lowest Channel / QPSK

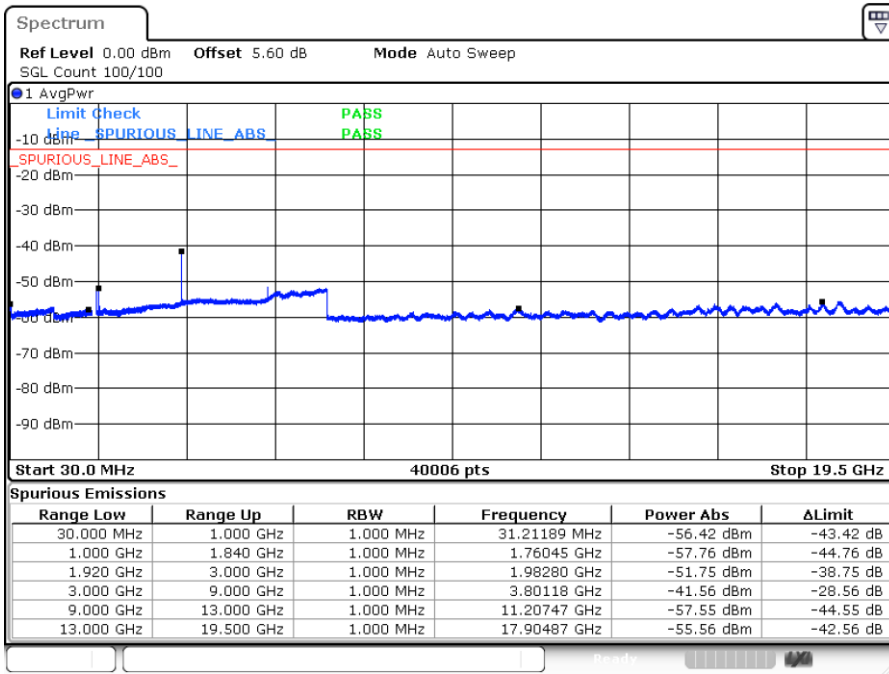
Middle Channel / QPSK



Date: 9.JUL.2022 10:20:18

Date: 9.JUL.2022 10:27:48

Highest Channel / QPSK



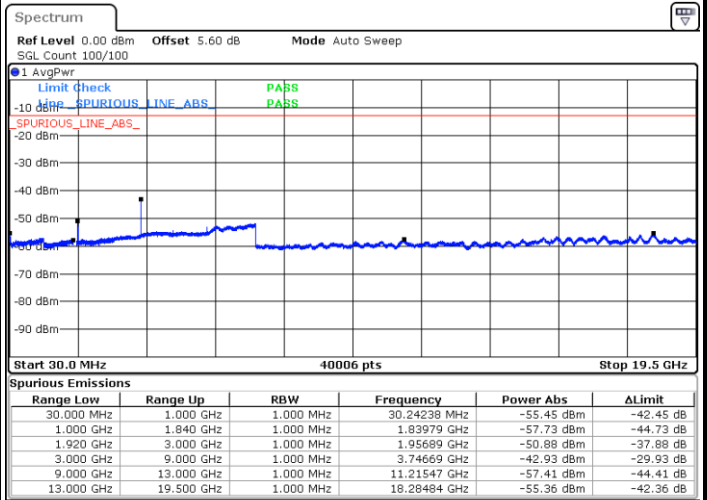
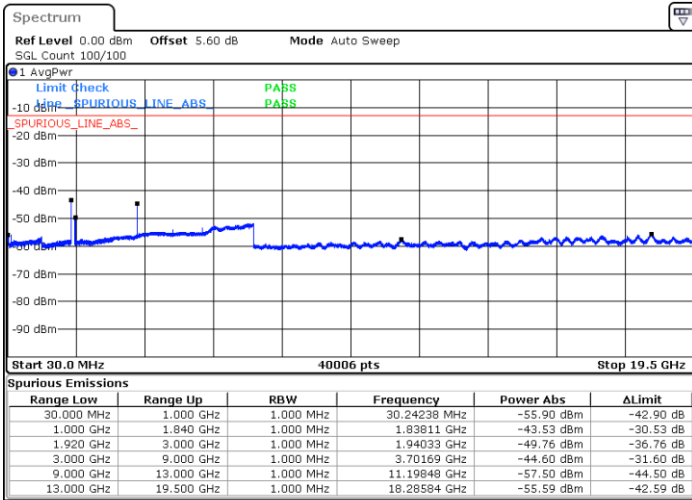
Date: 9.JUL.2022 10:29:10



LTE Band 2 / 15MHz

Lowest Channel / QPSK

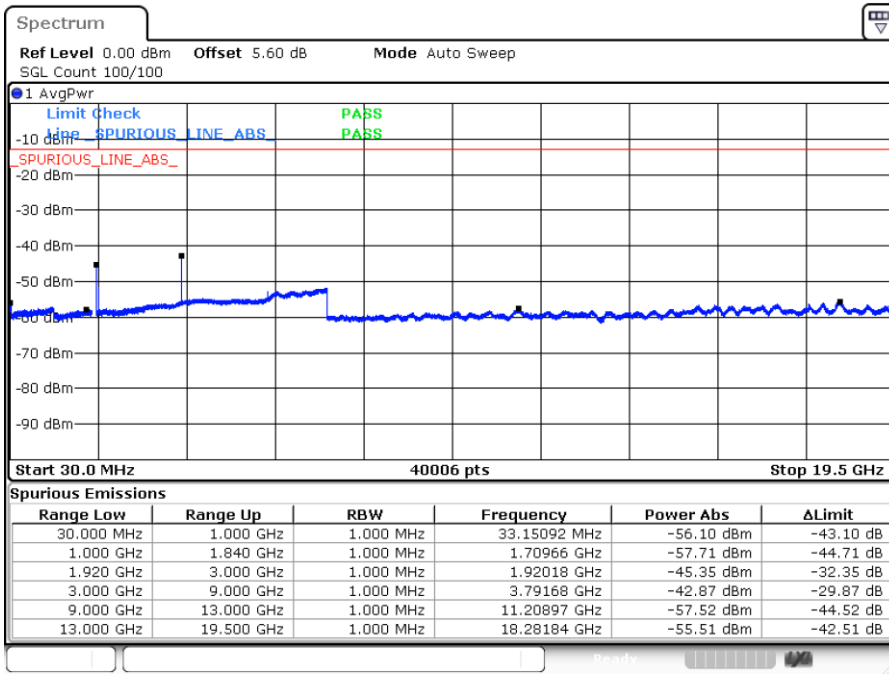
Middle Channel / QPSK



Date: 9.JUL.2022 10:36:40

Date: 9.JUL.2022 10:44:09

Highest Channel / QPSK



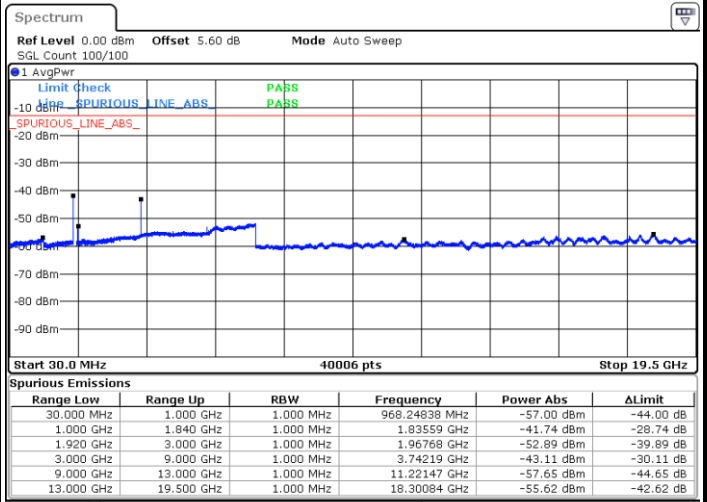
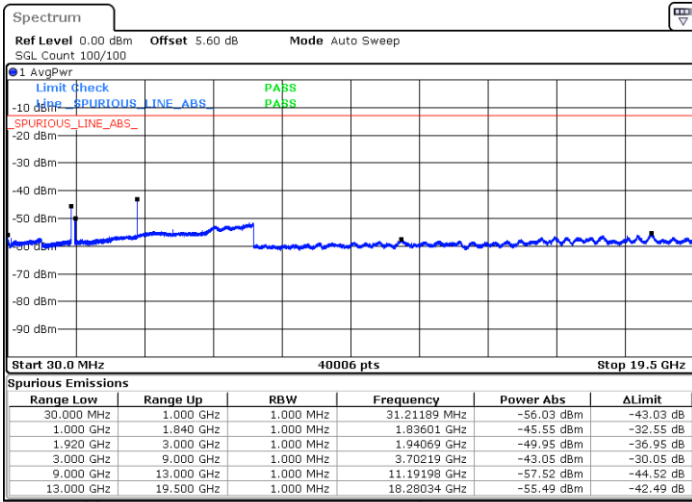
Date: 9.JUL.2022 10:45:31



LTE Band 2 / 20MHz

Lowest Channel / QPSK

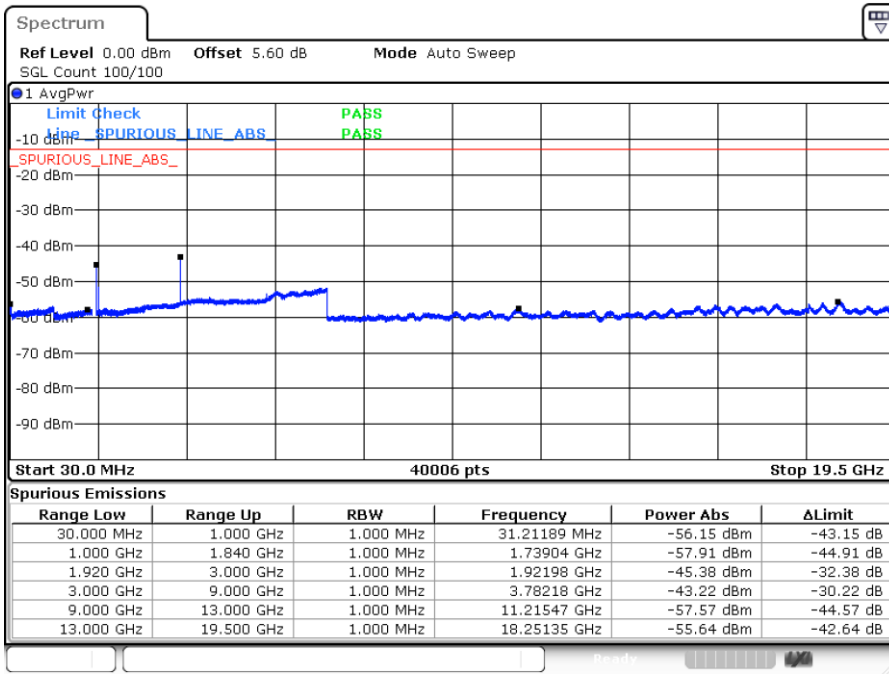
Middle Channel / QPSK



Date: 9 JUL 2022 10:52:59

Date: 9 JUL 2022 11:32:15

Highest Channel / QPSK



Date: 9 JUL 2022 11:01:48



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	0.0015	PASS
40	Normal Voltage	0.0008	
30	Normal Voltage	0.0023	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0006	
-30	Normal Voltage	0.0021	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0029	

Note:

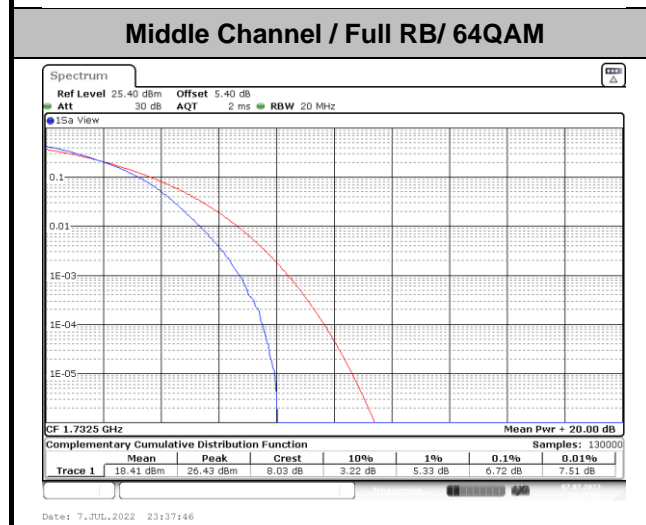
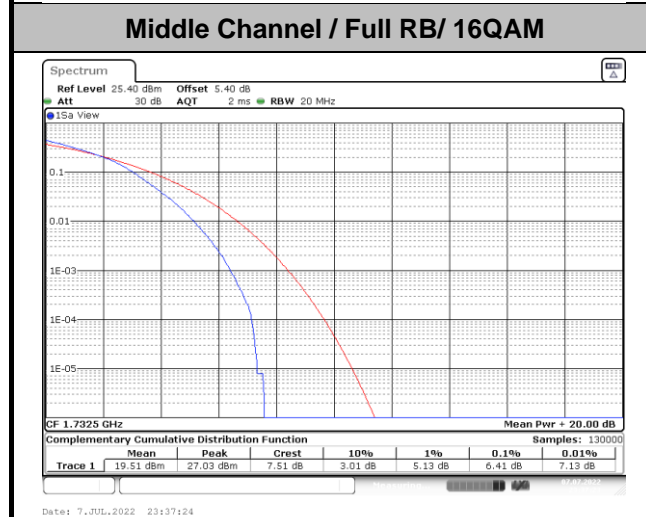
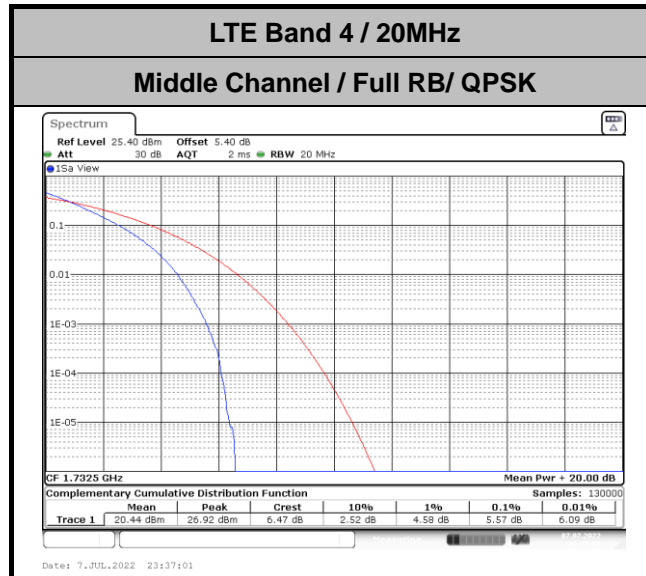
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

Peak-to-Average Ratio

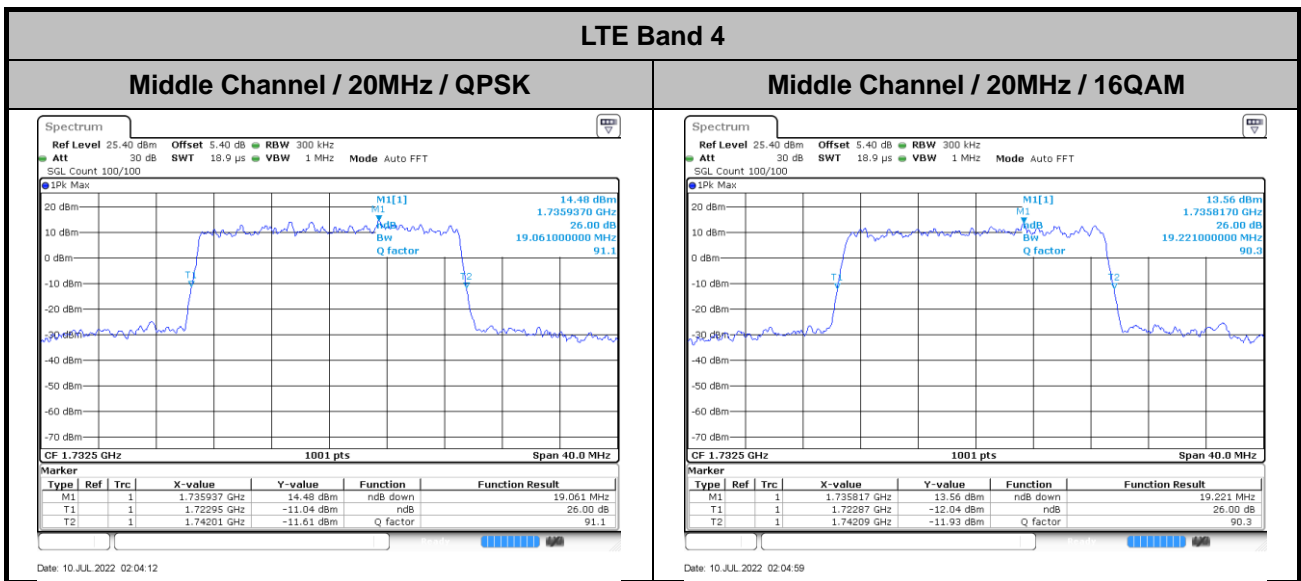
Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.57	6.41	6.72	PASS





26dB Bandwidth

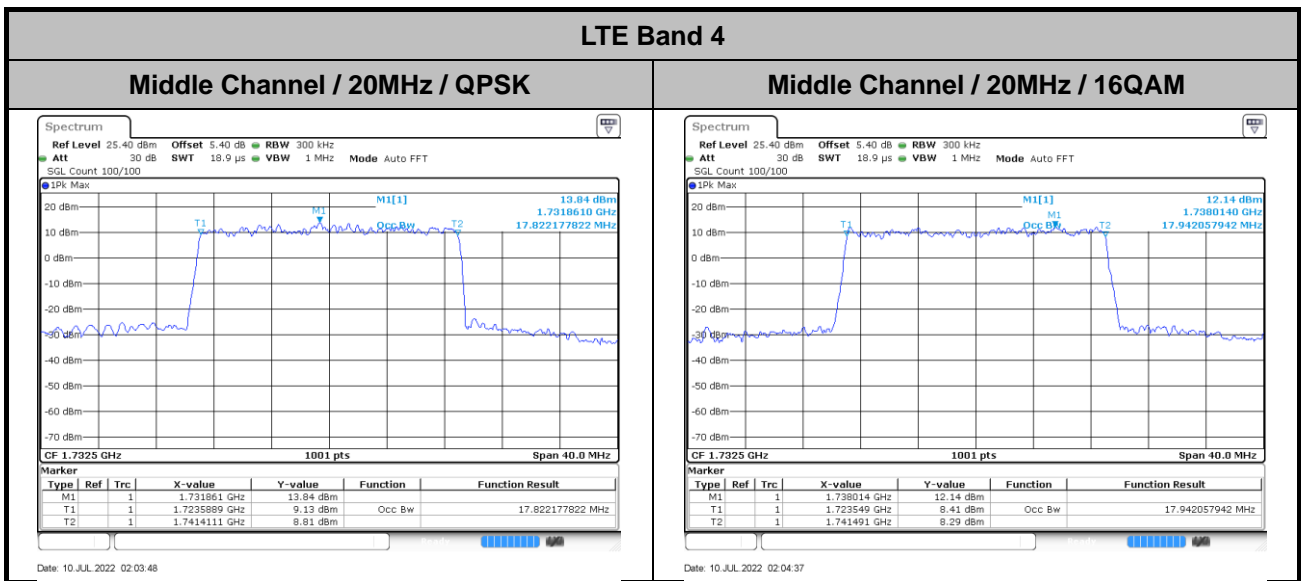
Mode	LTE Band 4 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.06	19.22





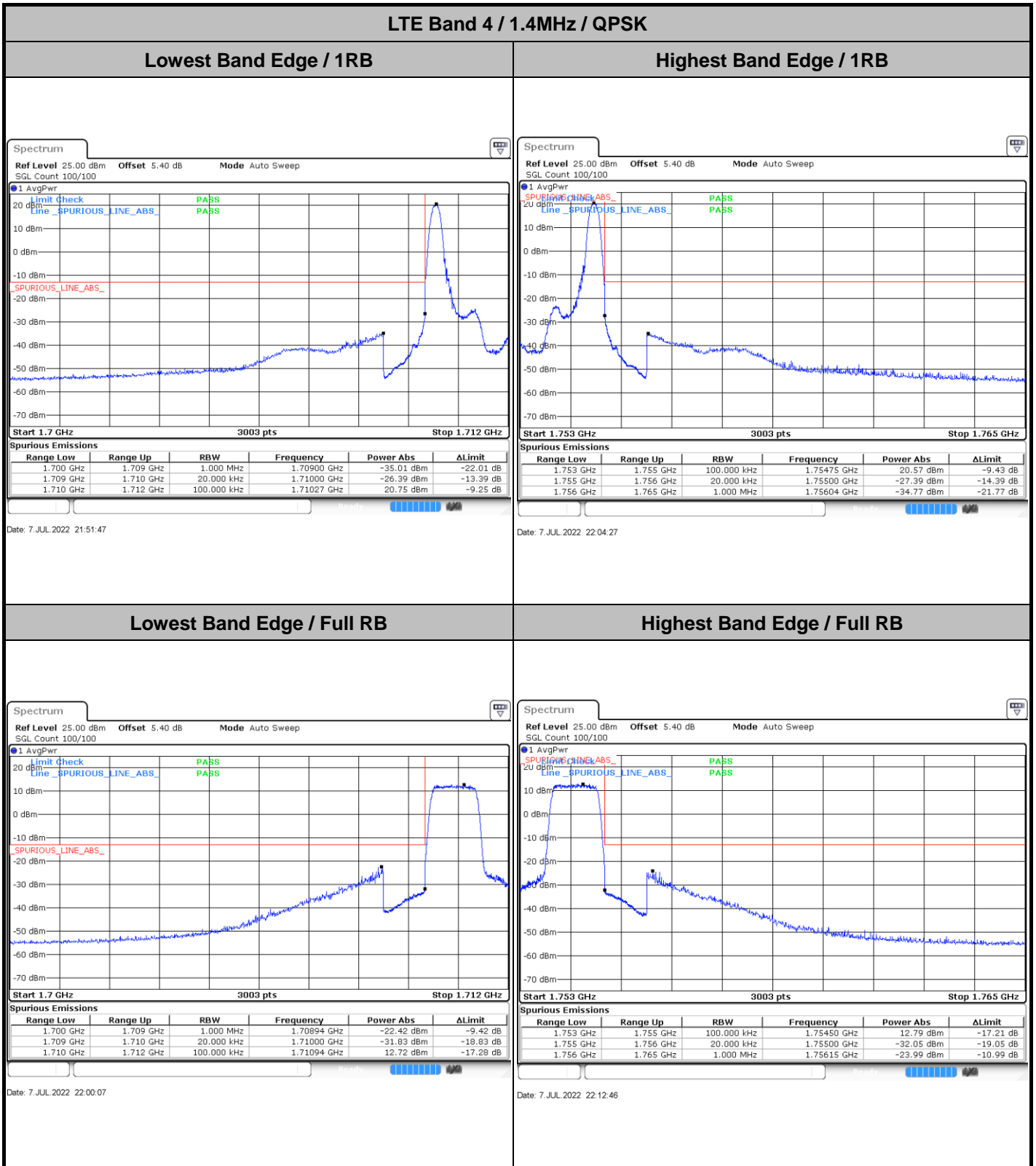
Occupied Bandwidth

Mode	LTE Band 4 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.82	17.94





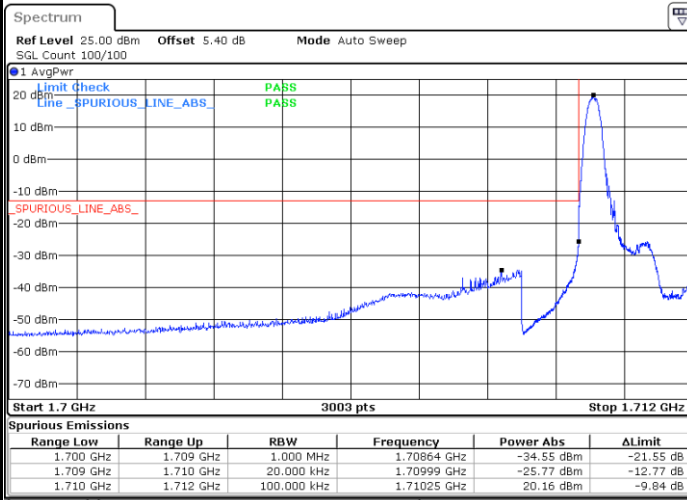
Conducted Band Edge





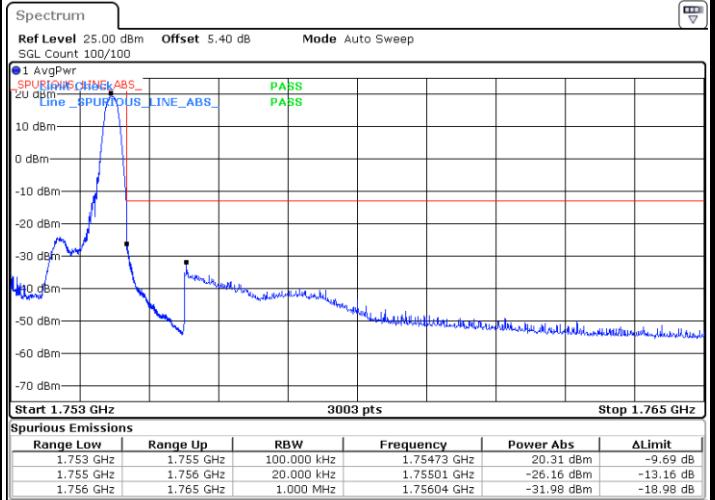
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



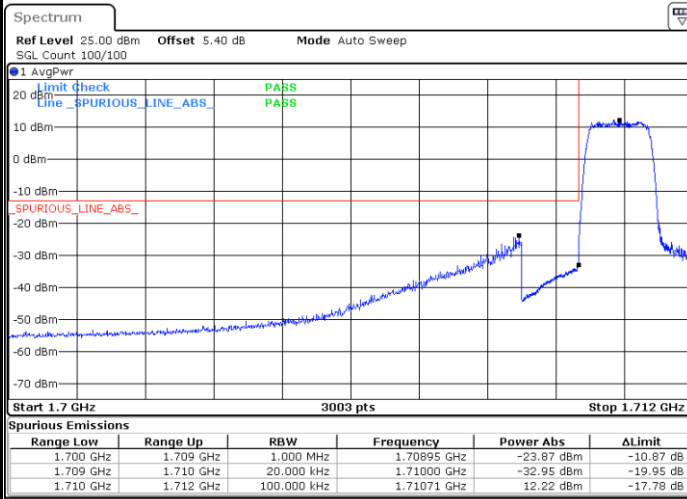
Date: 7 JUL 2022 21:53:27

Highest Band Edge / 1 RB



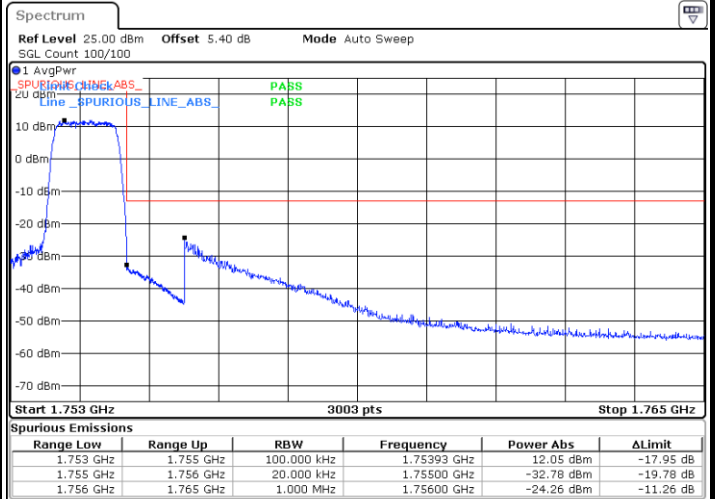
Date: 7 JUL 2022 22:06:07

Lowest Band Edge / Full RB



Date: 7 JUL 2022 21:58:27

Highest Band Edge / Full RB

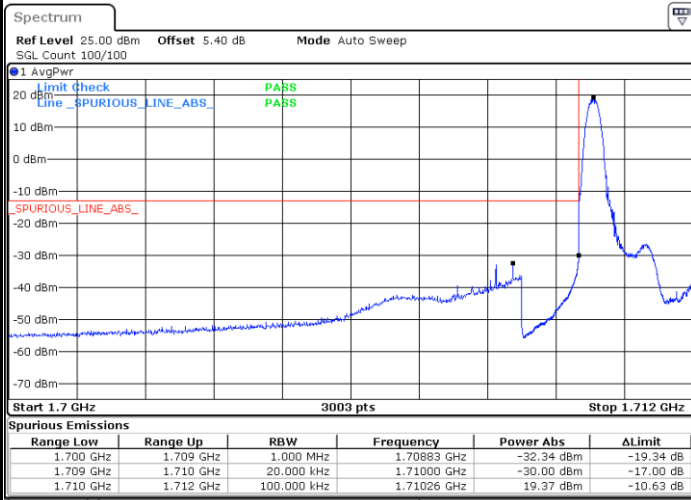


Date: 7 JUL 2022 22:11:06



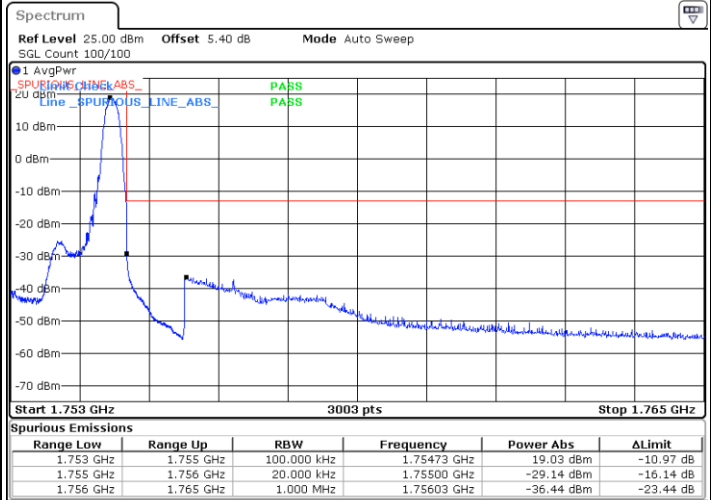
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



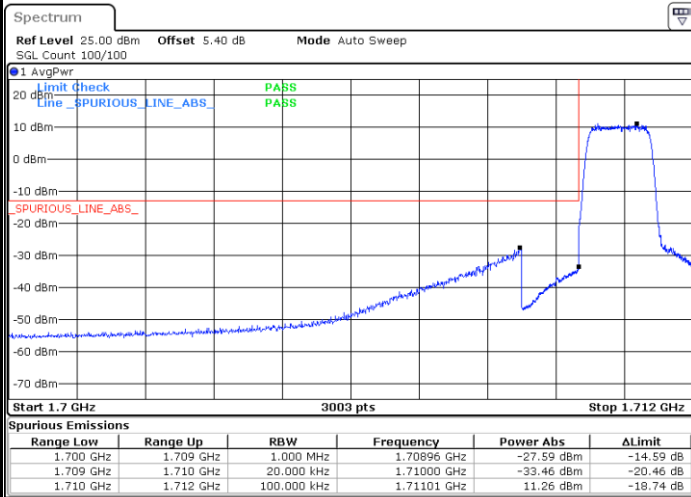
Date: 7 JUL 2022 21:55:07

Highest Band Edge / 1 RB



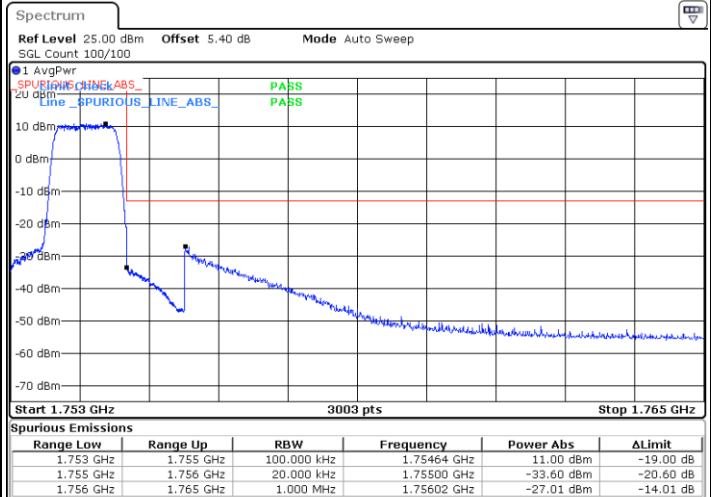
Date: 7 JUL 2022 22:07:46

Lowest Band Edge / Full RB



Date: 7 JUL 2022 21:56:47

Highest Band Edge / Full RB

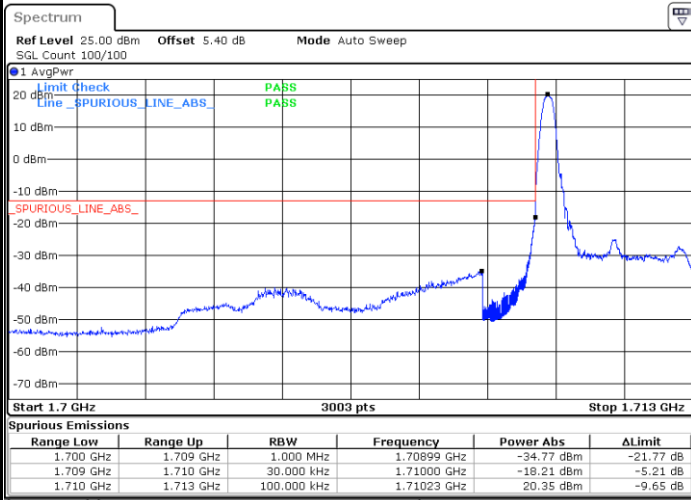


Date: 7 JUL 2022 22:09:26



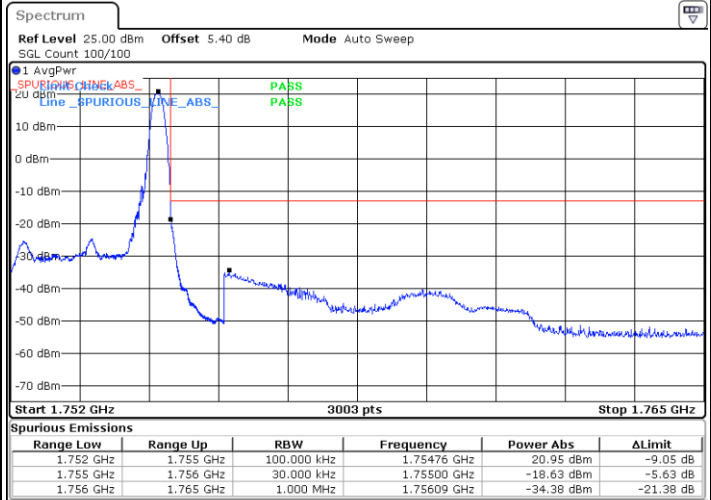
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



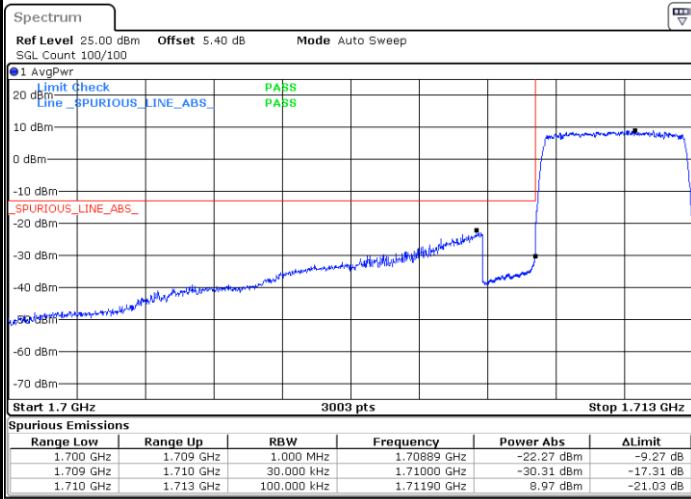
Date: 7 JUL 2022 22:15:47

Highest Band Edge / 1 RB



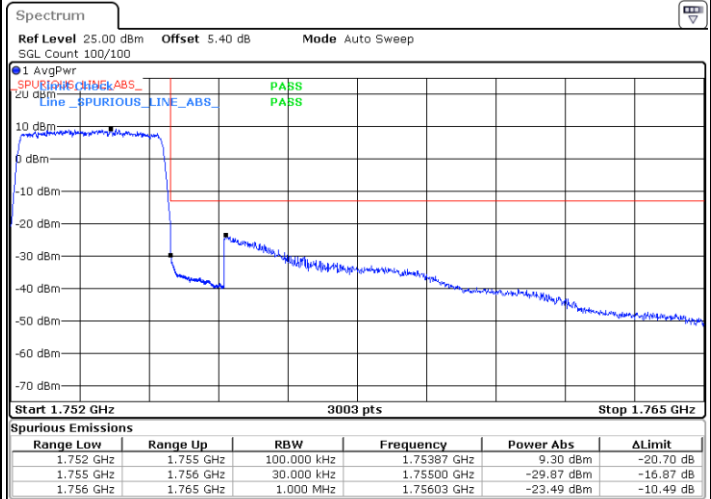
Date: 7 JUL 2022 22:28:26

Lowest Band Edge / Full RB



Date: 7 JUL 2022 22:24:06

Highest Band Edge / Full RB

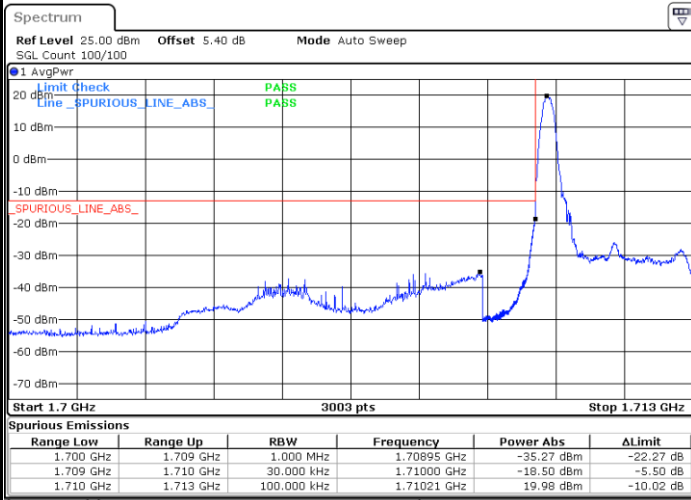


Date: 7 JUL 2022 22:36:45



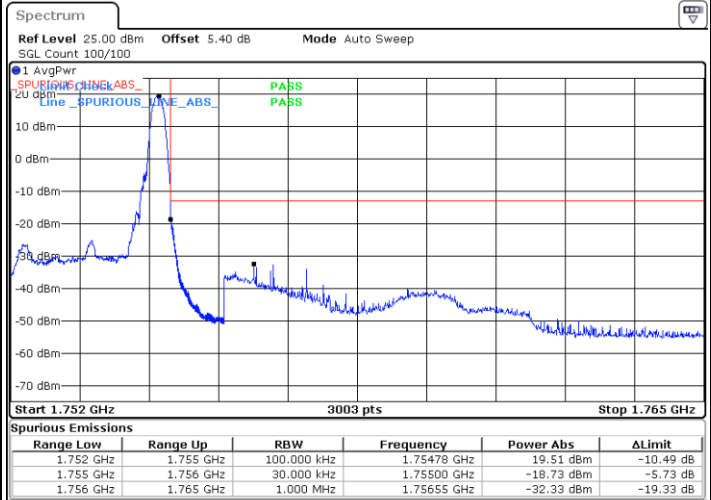
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



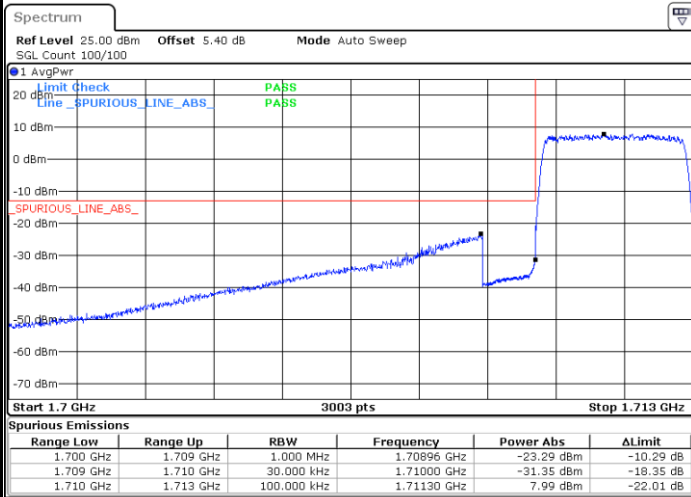
Date: 7 JUL 2022 22:17:27

Highest Band Edge / 1 RB



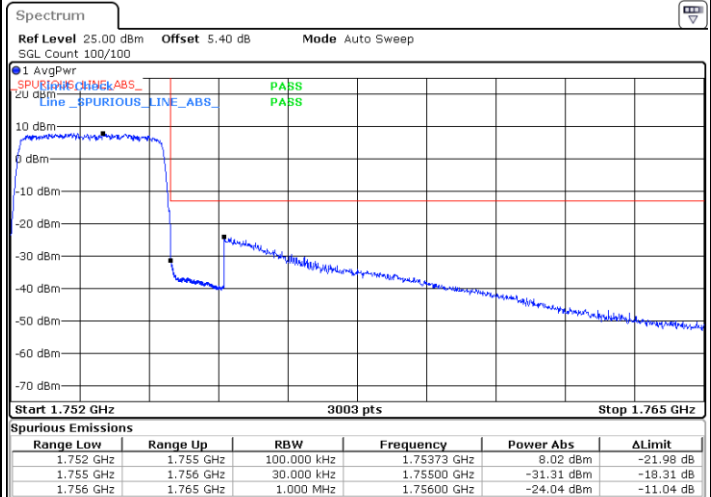
Date: 7 JUL 2022 22:30:06

Lowest Band Edge / Full RB



Date: 7 JUL 2022 22:22:26

Highest Band Edge / Full RB

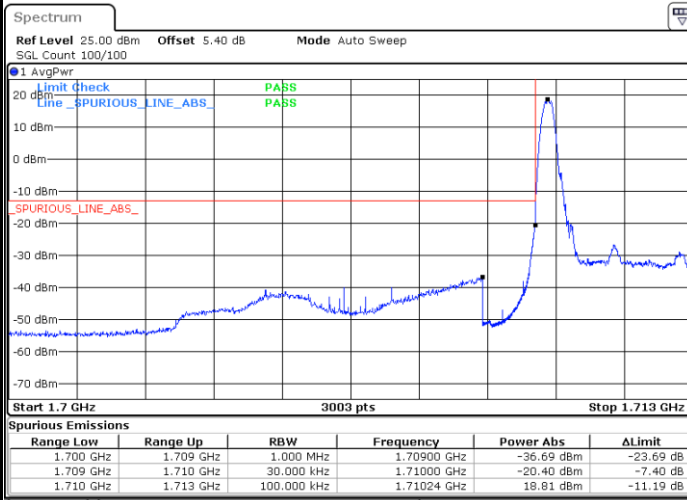


Date: 7 JUL 2022 22:35:05



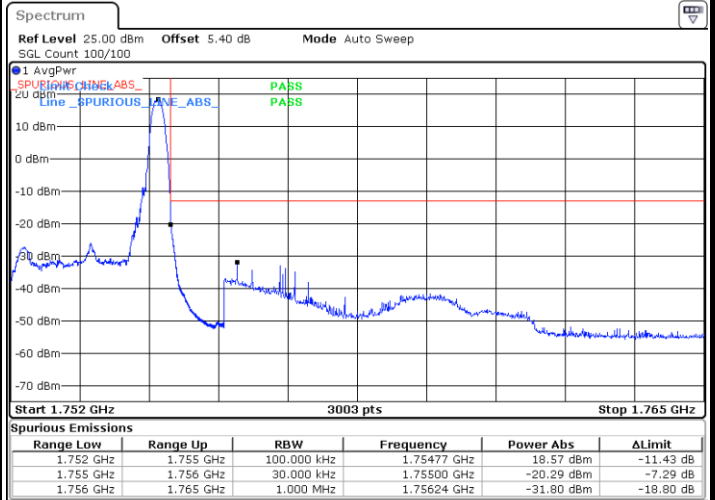
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



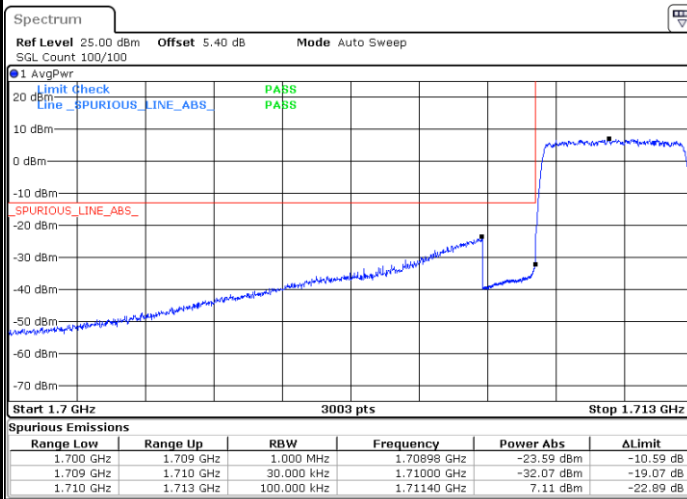
Date: 7 JUL 2022 22:19:06

Highest Band Edge / 1 RB



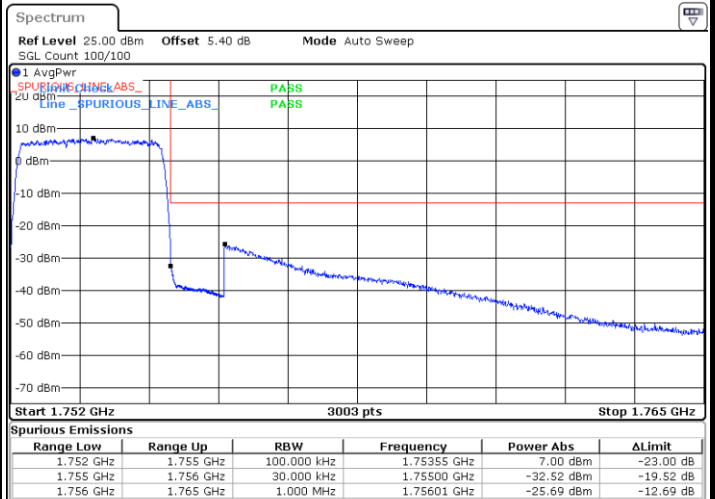
Date: 7 JUL 2022 22:31:45

Lowest Band Edge / Full RB



Date: 7 JUL 2022 22:20:46

Highest Band Edge / Full RB

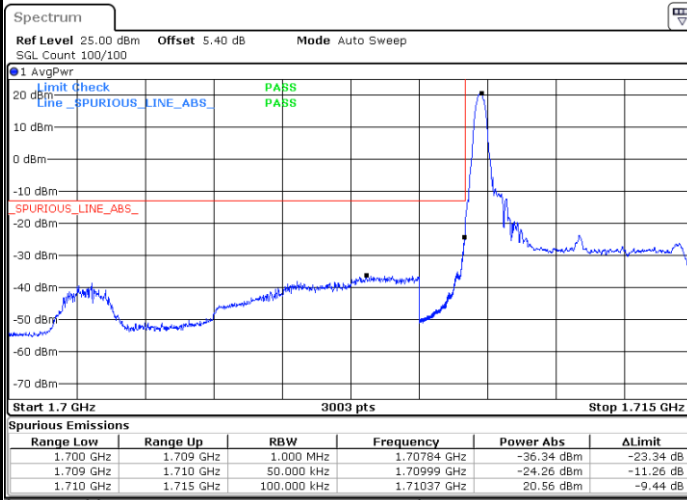


Date: 7 JUL 2022 22:33:25



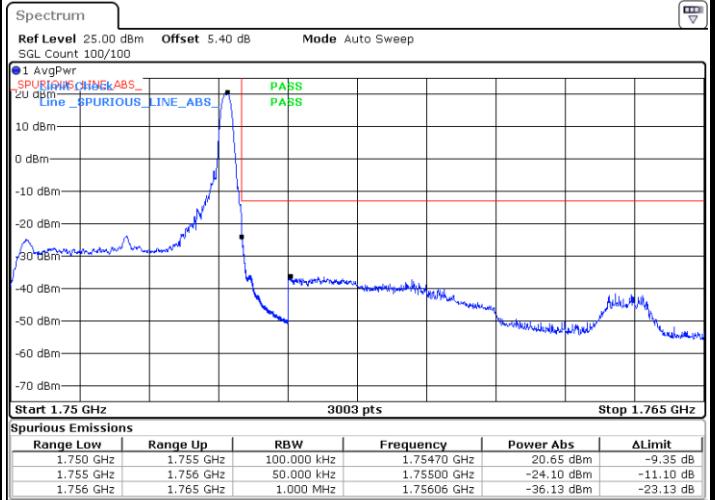
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



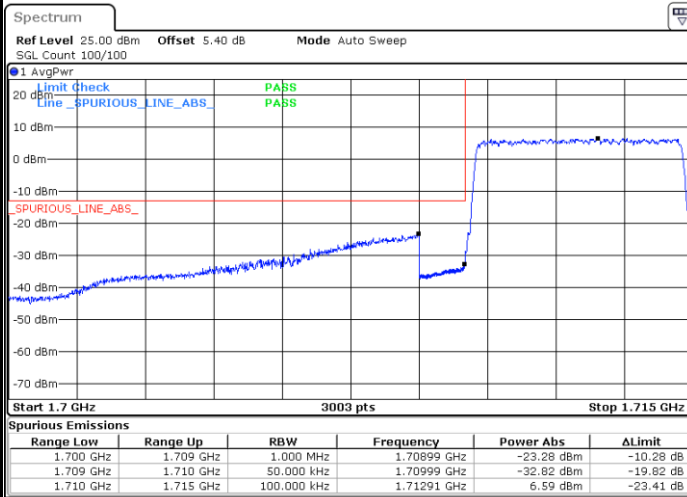
Date: 7 JUL 2022 22:38:45

Highest Band Edge / 1 RB



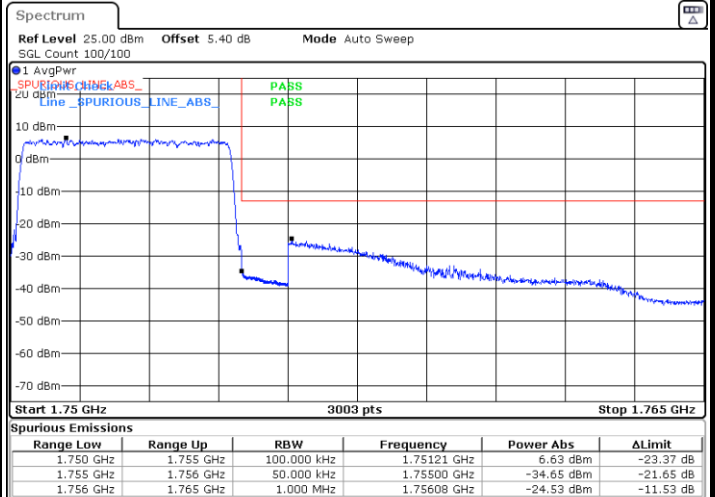
Date: 7 JUL 2022 22:52:24

Lowest Band Edge / Full RB



Date: 7 JUL 2022 22:48:04

Highest Band Edge / Full RB

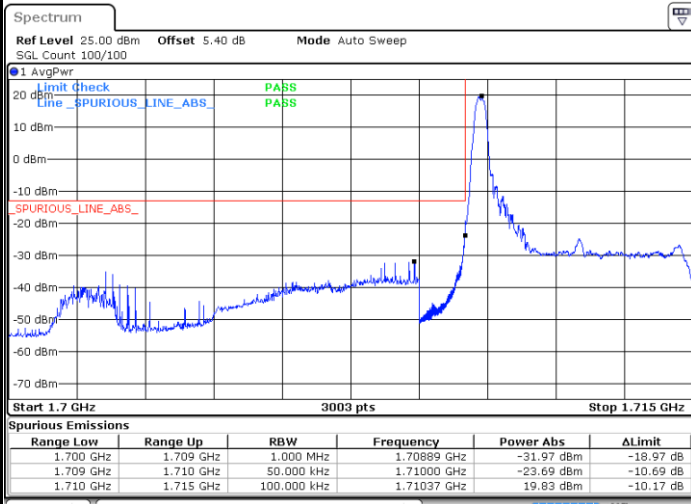


Date: 7 JUL 2022 22:00:32



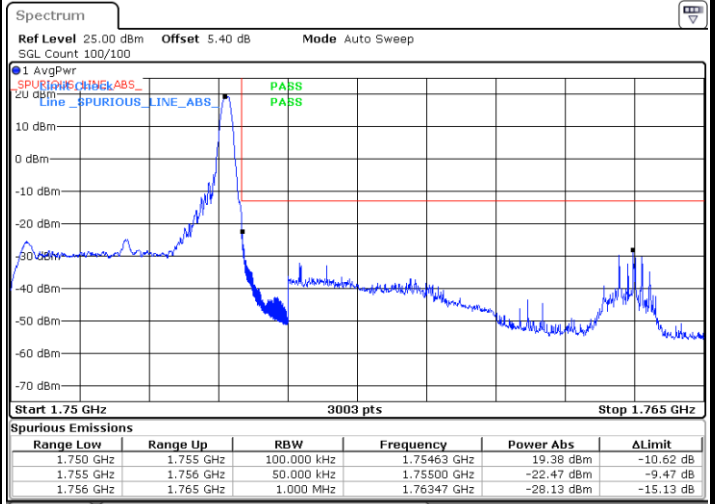
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



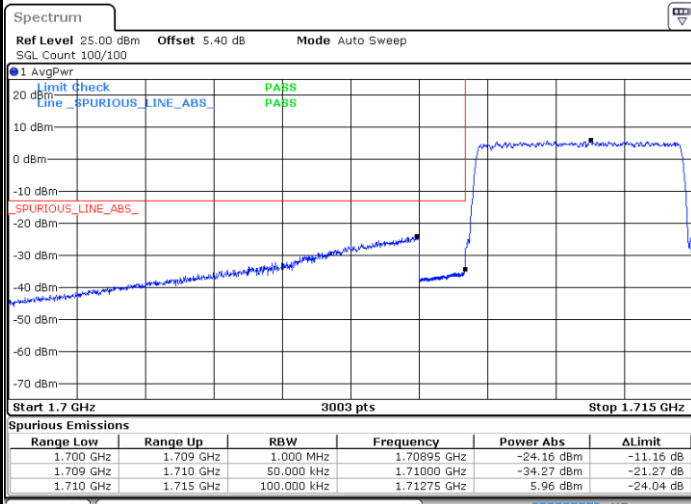
Date: 7 JUL 2022 22:41:25

Highest Band Edge / 1 RB



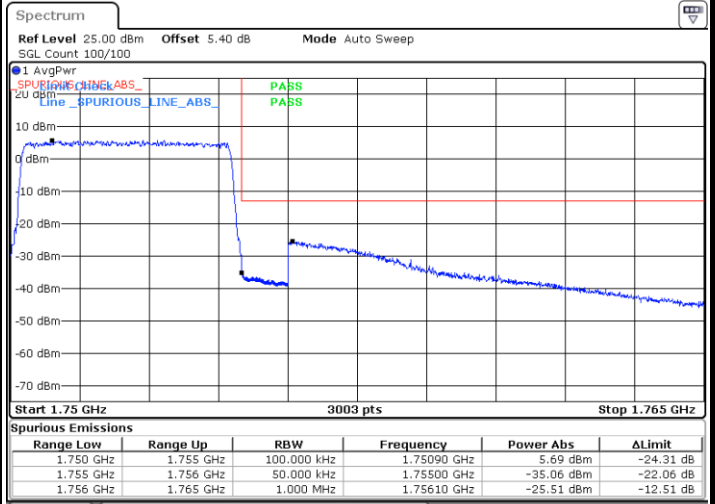
Date: 7 JUL 2022 22:54:04

Lowest Band Edge / Full RB



Date: 7 JUL 2022 22:46:24

Highest Band Edge / Full RB

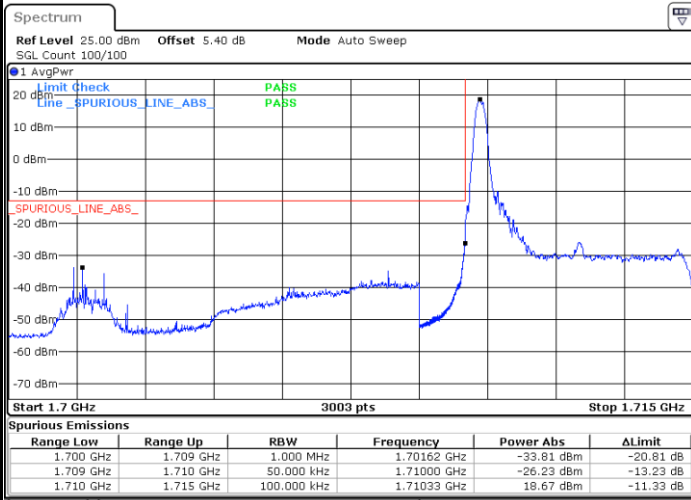


Date: 7 JUL 2022 22:59:04



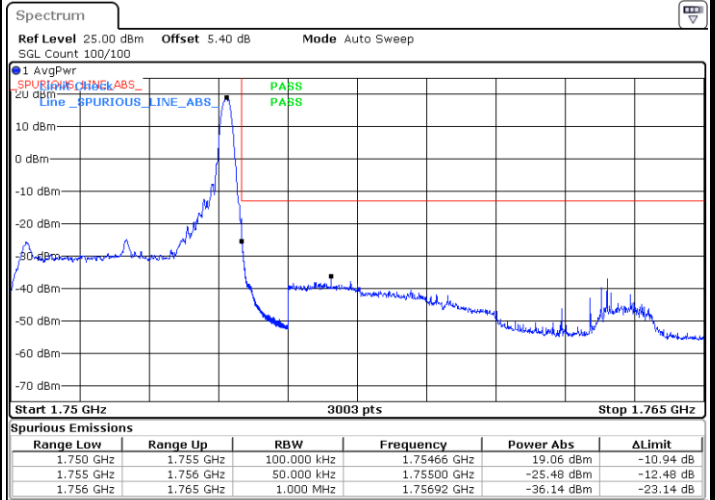
LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



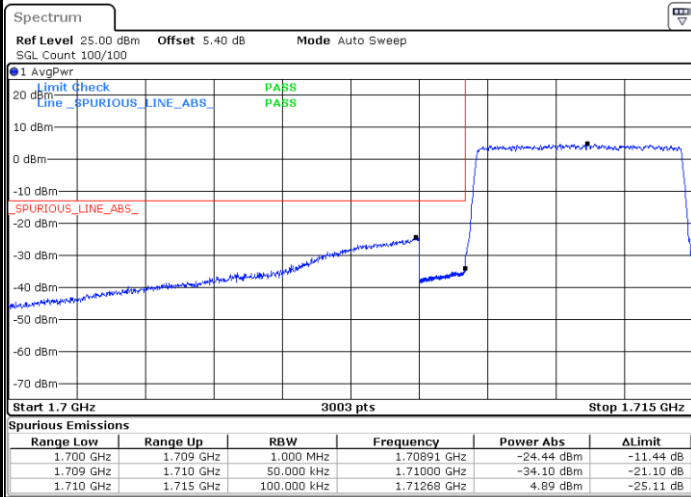
Date: 7 JUL 2022 22:43:05

Highest Band Edge / 1 RB



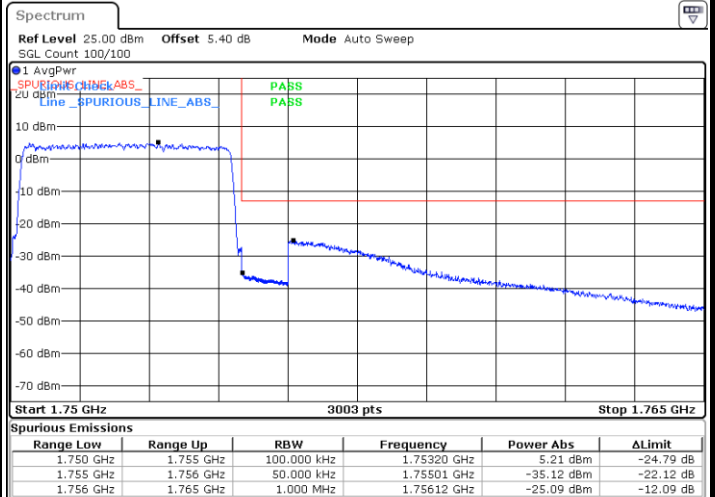
Date: 7 JUL 2022 22:55:44

Lowest Band Edge / Full RB



Date: 7 JUL 2022 22:44:45

Highest Band Edge / Full RB

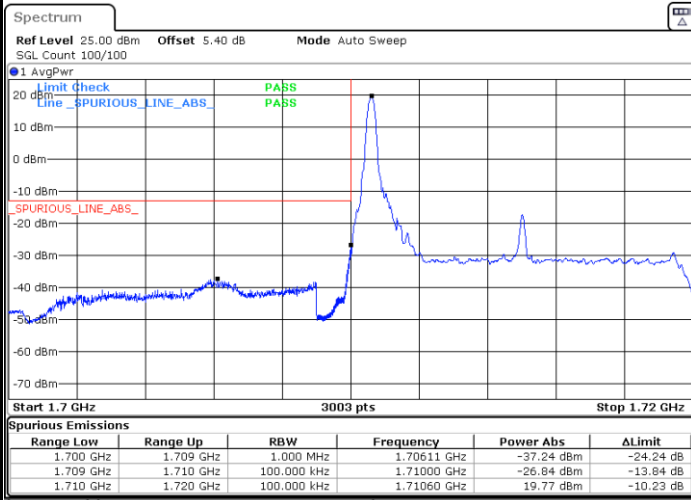


Date: 7 JUL 2022 22:57:24



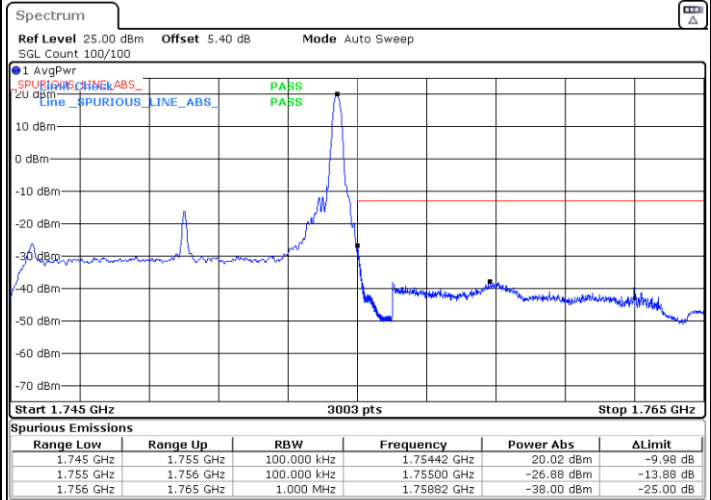
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



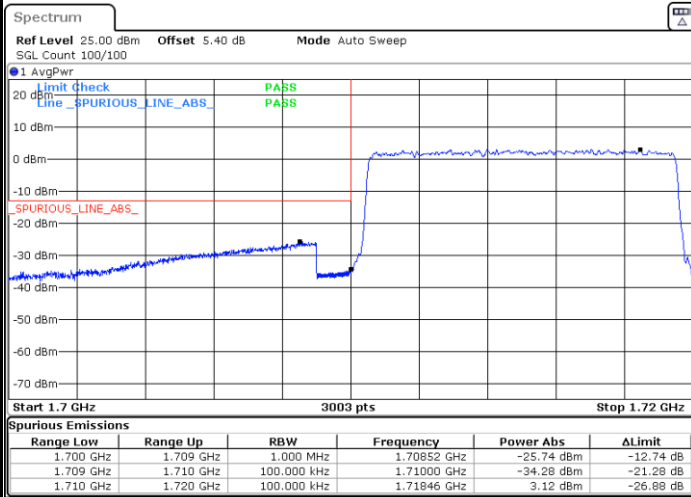
Date: 7.JUL.2022 22:03:40

Highest Band Edge / 1 RB



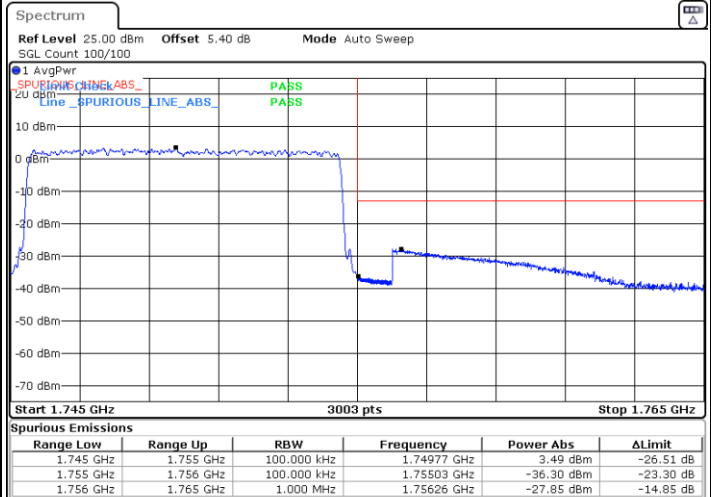
Date: 7.JUL.2022 22:16:48

Lowest Band Edge / Full RB



Date: 7.JUL.2022 22:12:21

Highest Band Edge / Full RB

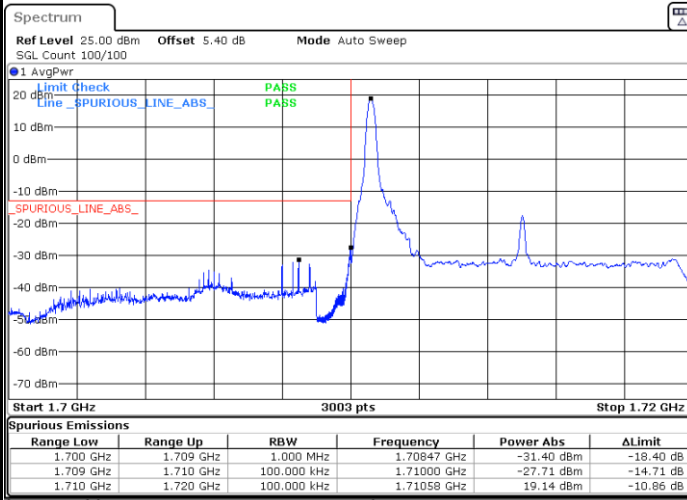


Date: 7.JUL.2022 22:25:14



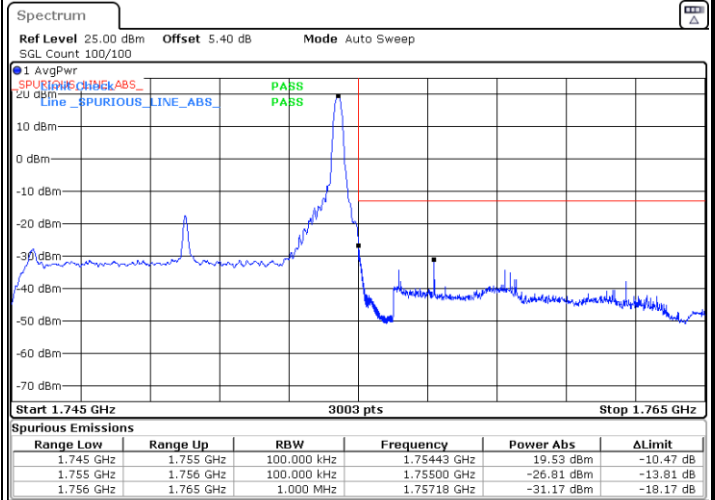
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



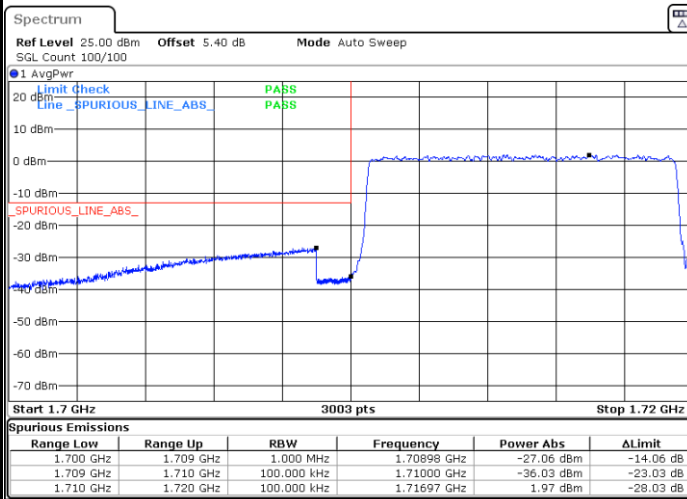
Date: 7.JUL.2022 22:05:24

Highest Band Edge / 1 RB



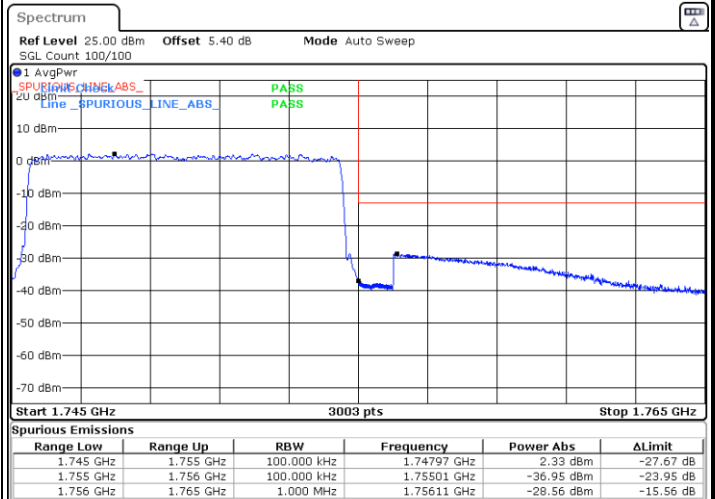
Date: 7.JUL.2022 22:18:29

Lowest Band Edge / Full RB



Date: 7.JUL.2022 22:10:36

Highest Band Edge / Full RB

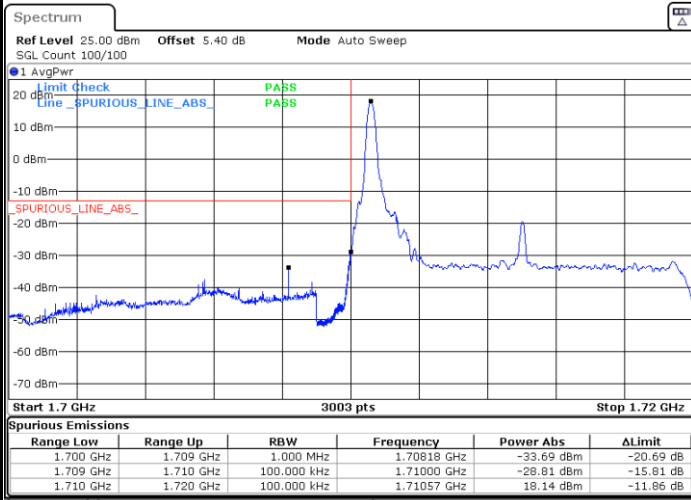


Date: 7.JUL.2022 22:23:33



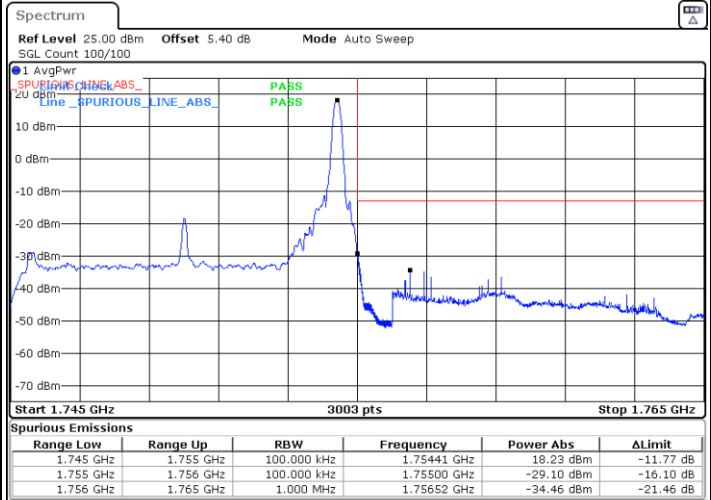
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



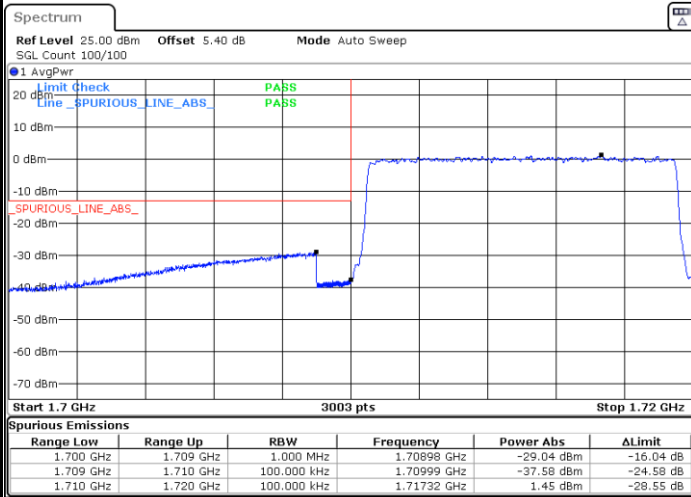
Date: 7.JUL.2022 22:07:08

Highest Band Edge / 1 RB



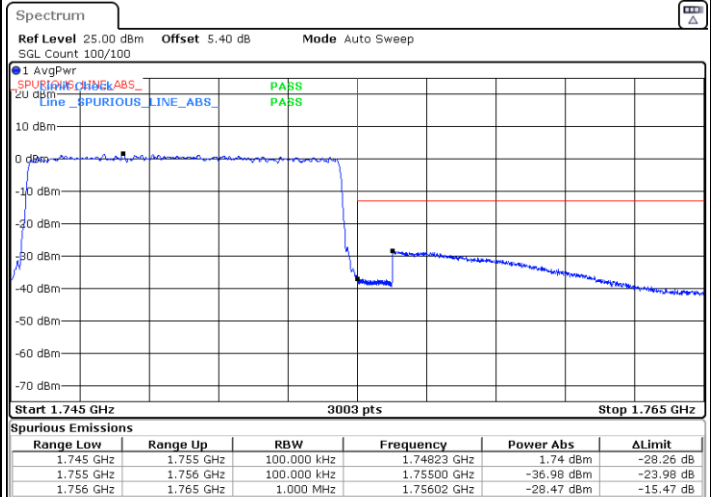
Date: 7.JUL.2022 22:20:10

Lowest Band Edge / Full RB



Date: 7.JUL.2022 22:08:52

Highest Band Edge / Full RB

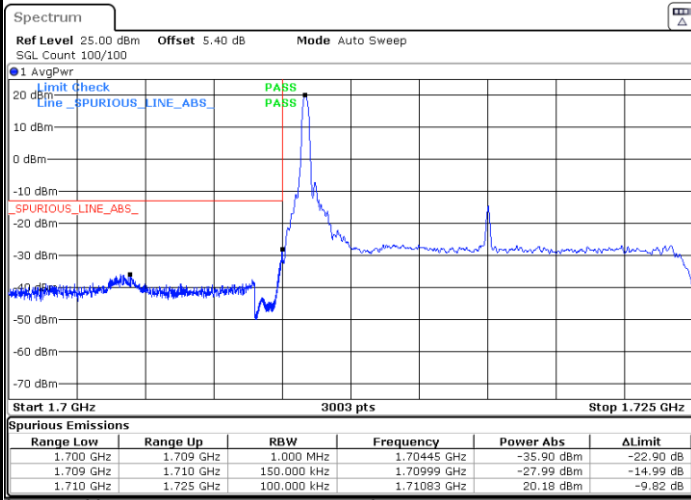


Date: 7.JUL.2022 22:21:51



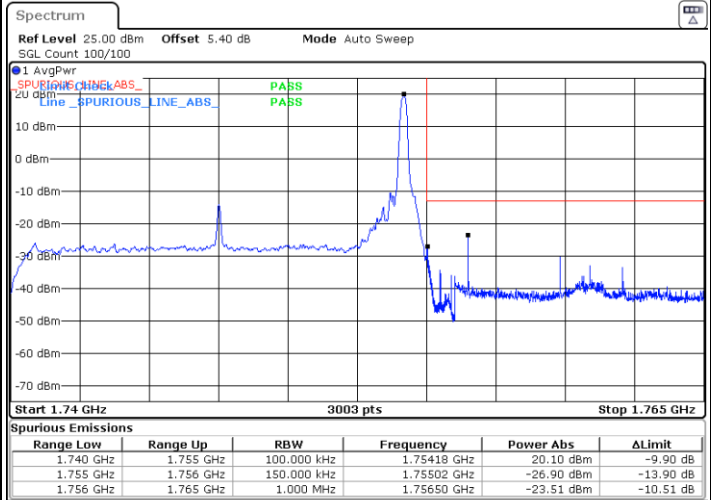
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



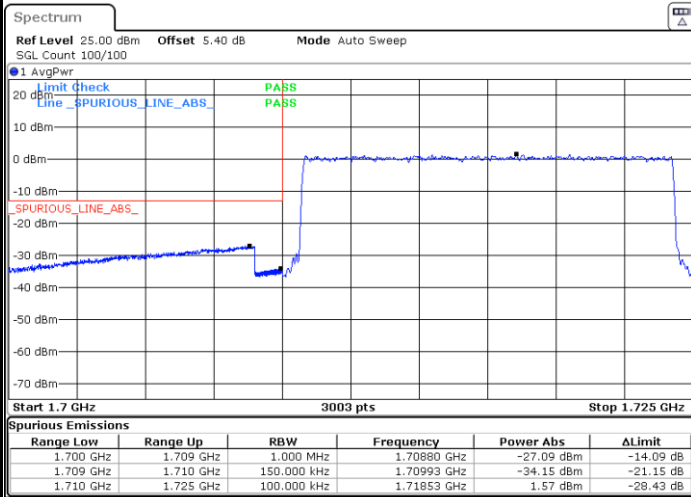
Date: 7.JUL.2022 22:33:17

Highest Band Edge / 1 RB



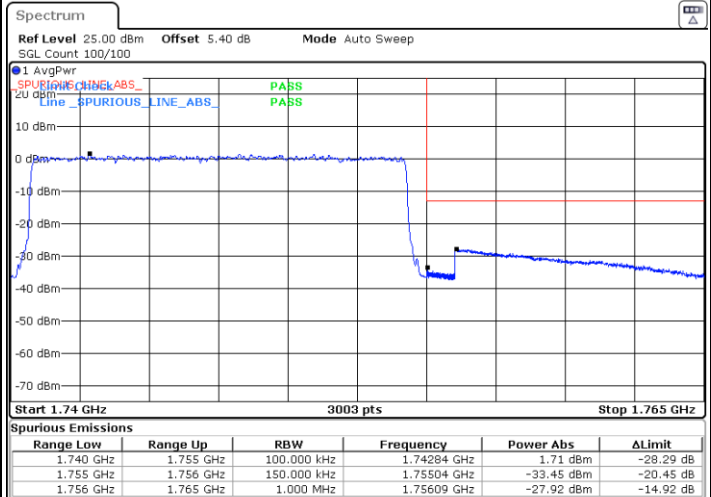
Date: 7.JUL.2022 22:53:46

Lowest Band Edge / Full RB



Date: 7.JUL.2022 22:49:19

Highest Band Edge / Full RB

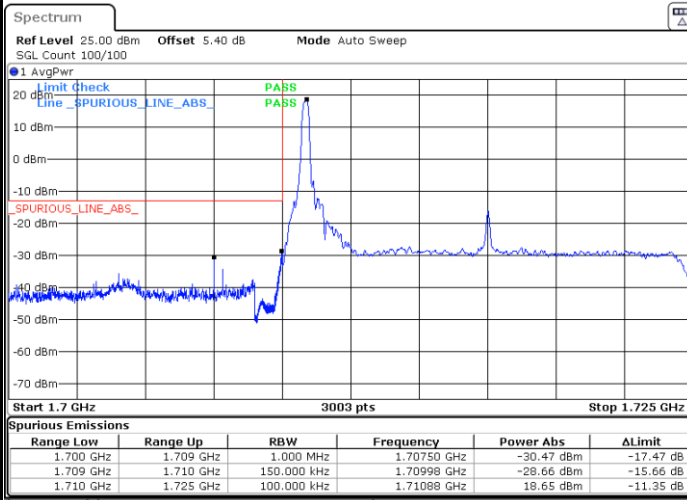


Date: 7.JUL.2022 23:02:09



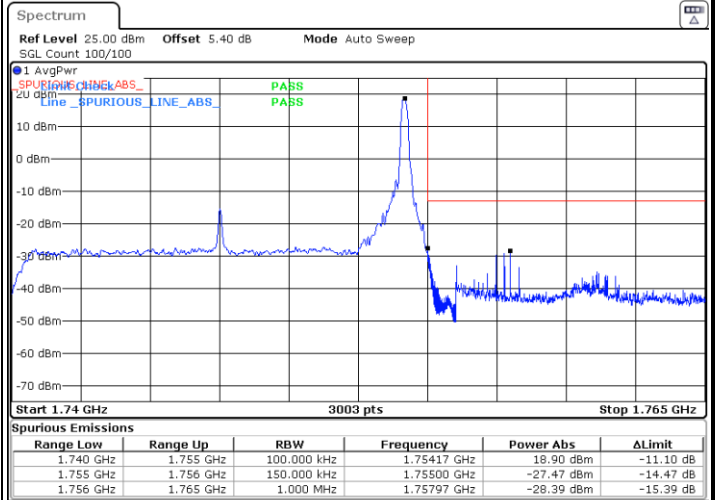
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



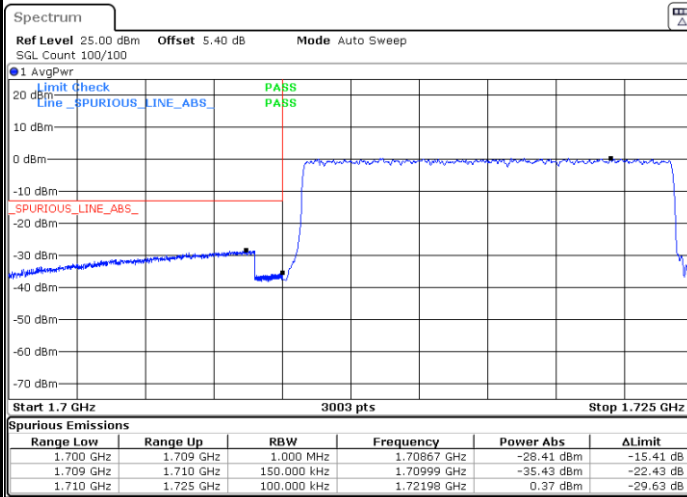
Date: 7.JUL.2022 22:35:02

Highest Band Edge / 1 RB



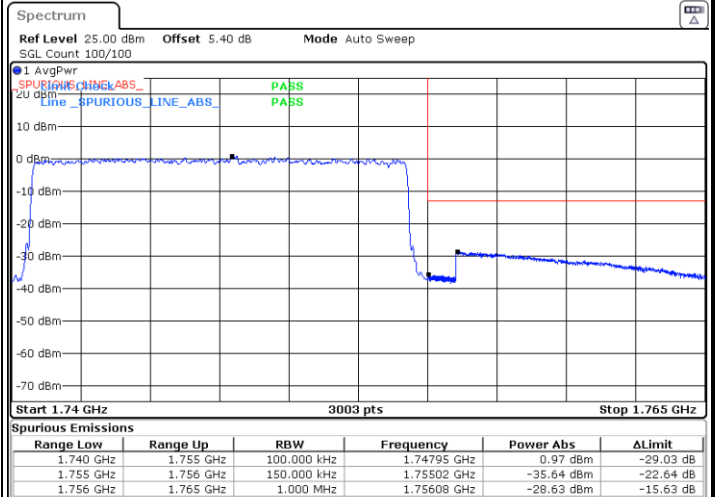
Date: 7.JUL.2022 22:55:26

Lowest Band Edge / Full RB



Date: 7.JUL.2022 22:47:34

Highest Band Edge / Full RB

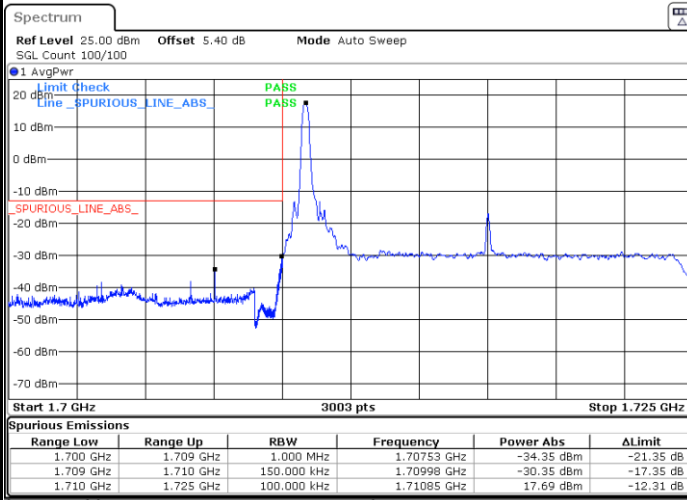


Date: 7.JUL.2022 23:00:28



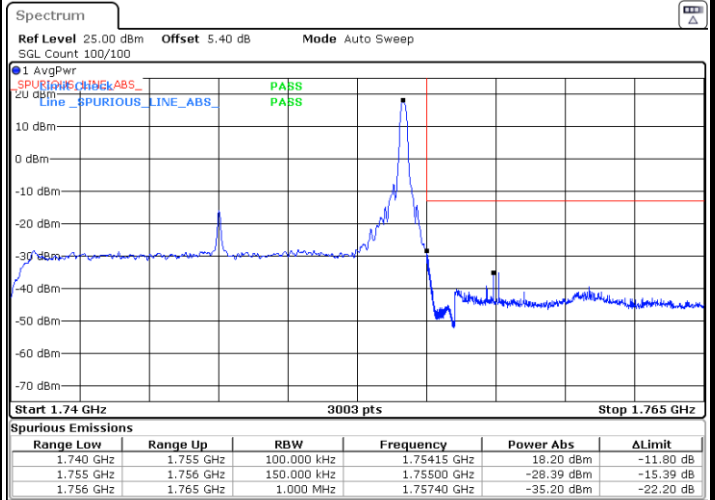
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



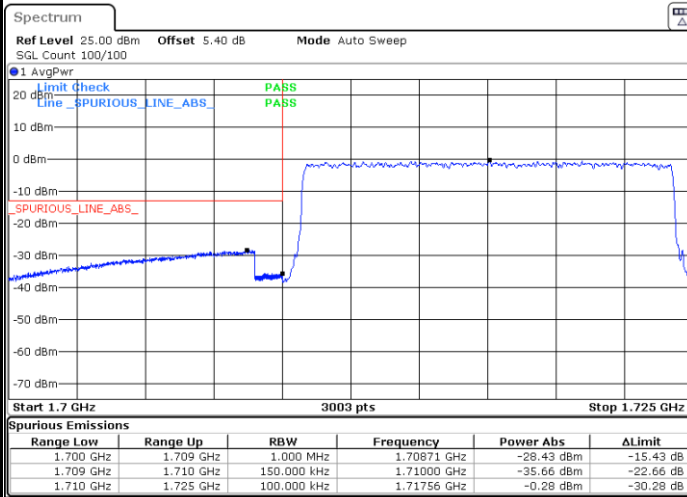
Date: 7.JUL.2022 22:36:48

Highest Band Edge / 1 RB



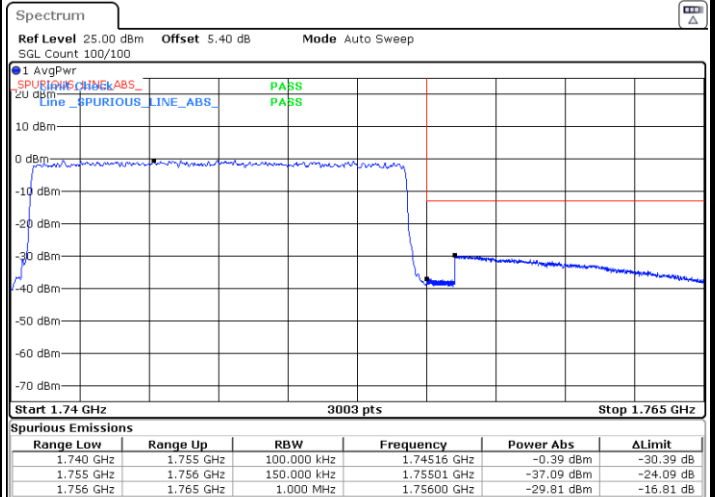
Date: 7.JUL.2022 22:57:07

Lowest Band Edge / Full RB



Date: 7.JUL.2022 22:45:49

Highest Band Edge / Full RB

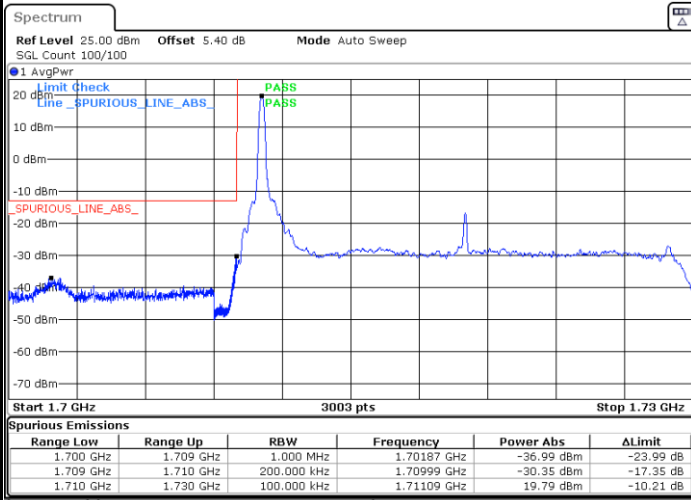


Date: 7.JUL.2022 22:58:48



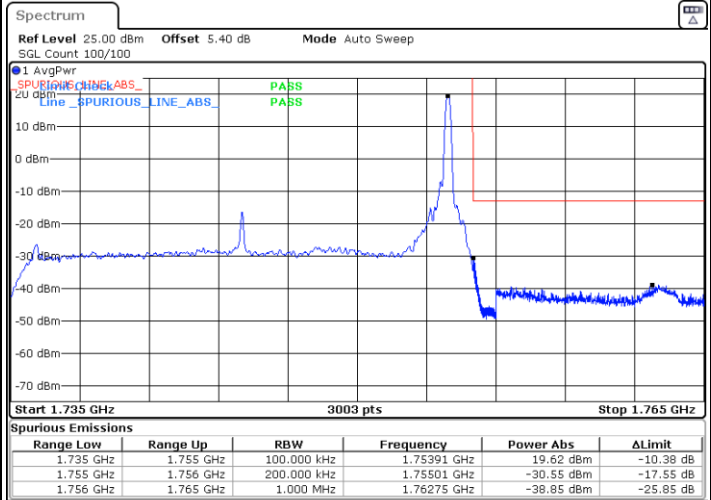
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



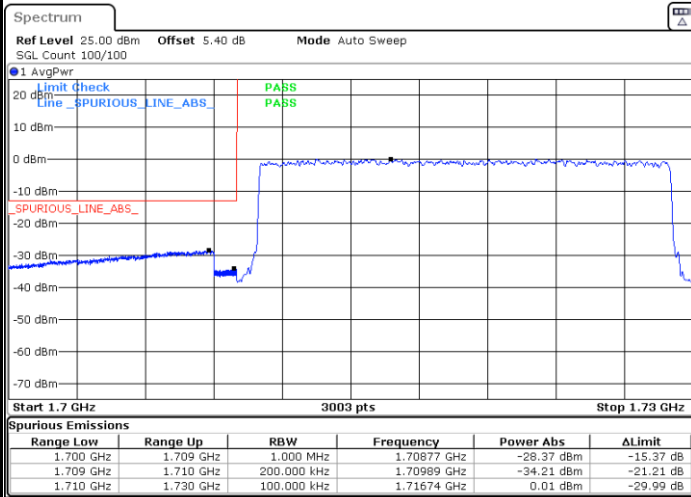
Date: 7.JUL.2022 23:13:40

Highest Band Edge / 1 RB



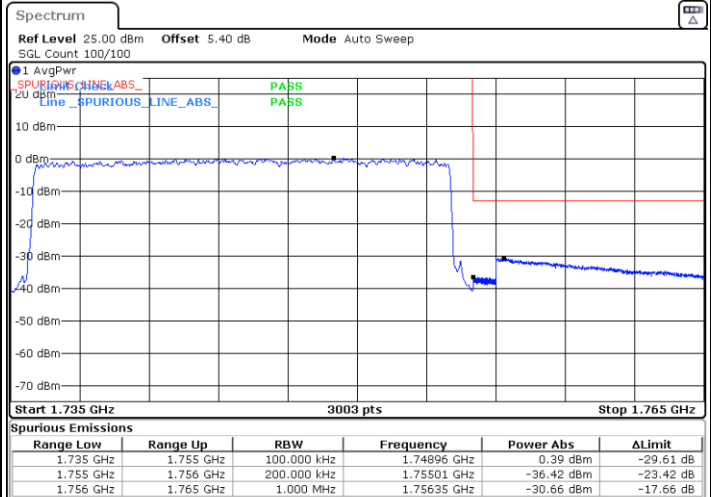
Date: 7.JUL.2022 23:26:49

Lowest Band Edge / Full RB



Date: 7.JUL.2022 23:22:23

Highest Band Edge / Full RB

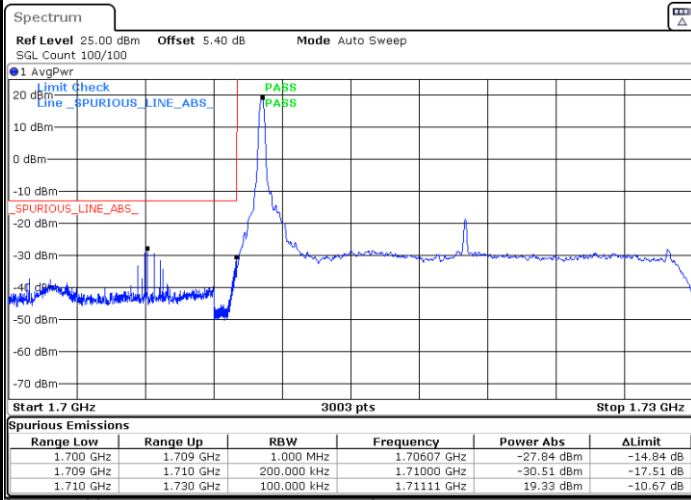


Date: 7.JUL.2022 23:35:14



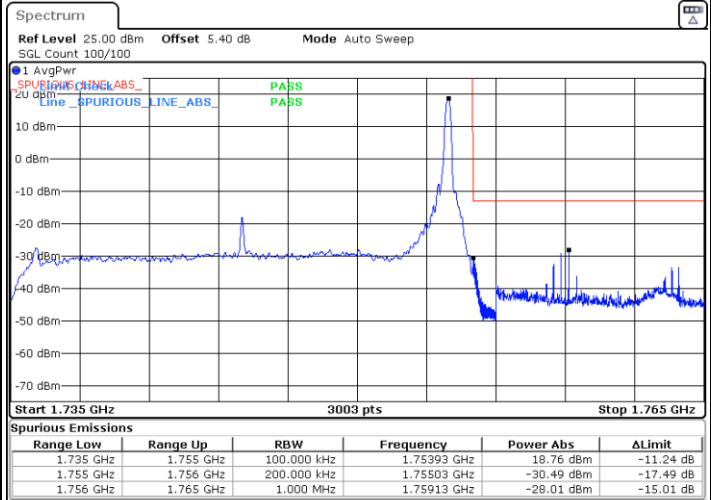
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



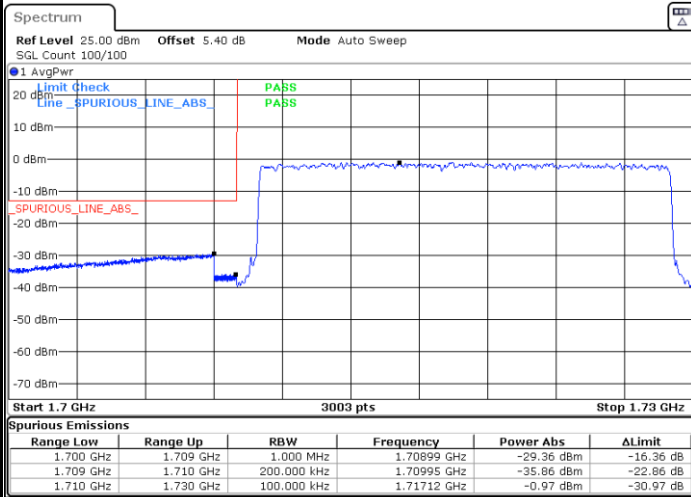
Date: 7.JUL.2022 23:15:25

Highest Band Edge / 1 RB



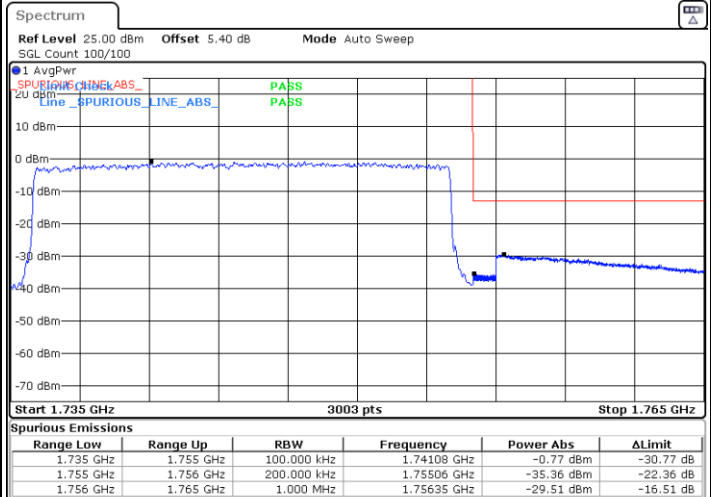
Date: 7.JUL.2022 23:28:30

Lowest Band Edge / Full RB



Date: 7.JUL.2022 23:20:38

Highest Band Edge / Full RB

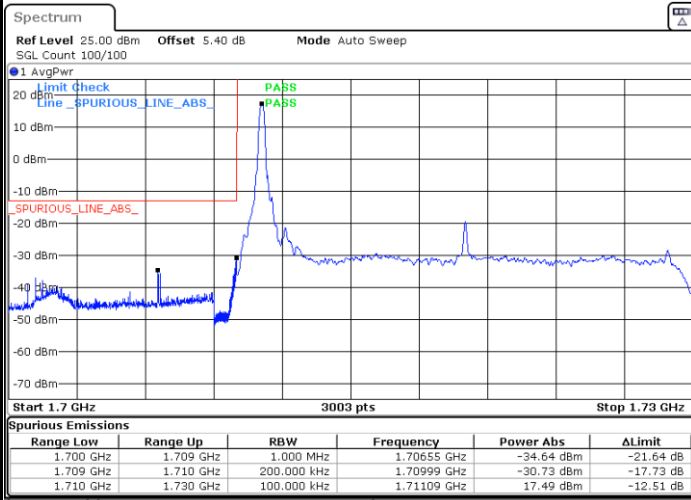


Date: 7.JUL.2022 23:33:33



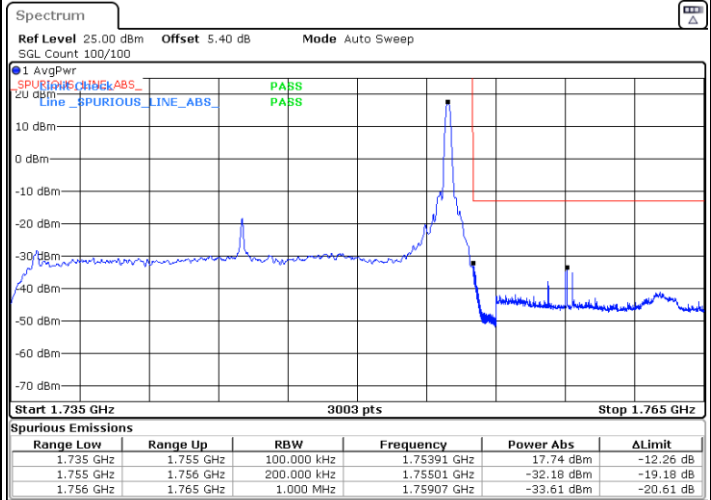
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



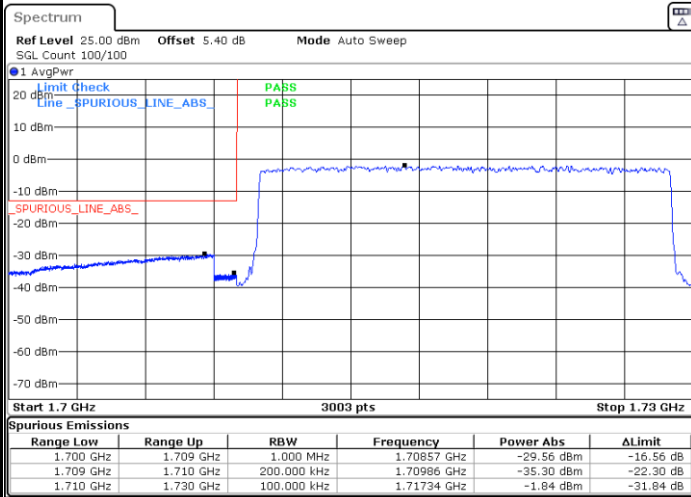
Date: 7.JUL.2022 23:17:09

Highest Band Edge / 1 RB



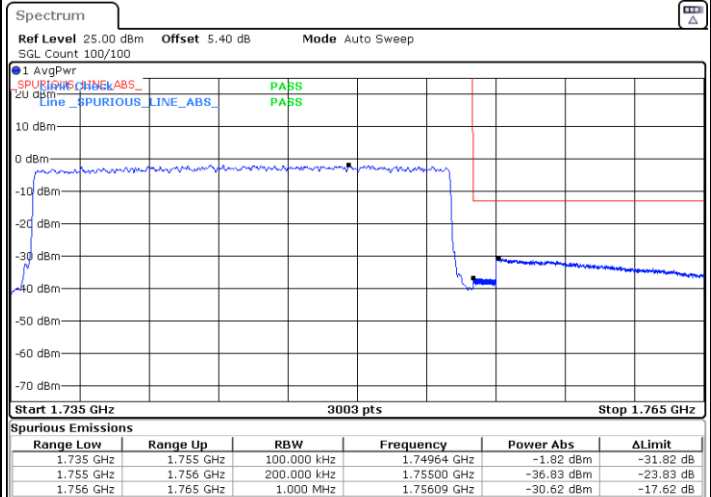
Date: 7.JUL.2022 23:30:11

Lowest Band Edge / Full RB



Date: 7.JUL.2022 23:18:54

Highest Band Edge / Full RB



Date: 7.JUL.2022 23:31:52



Conducted Spurious Emission

