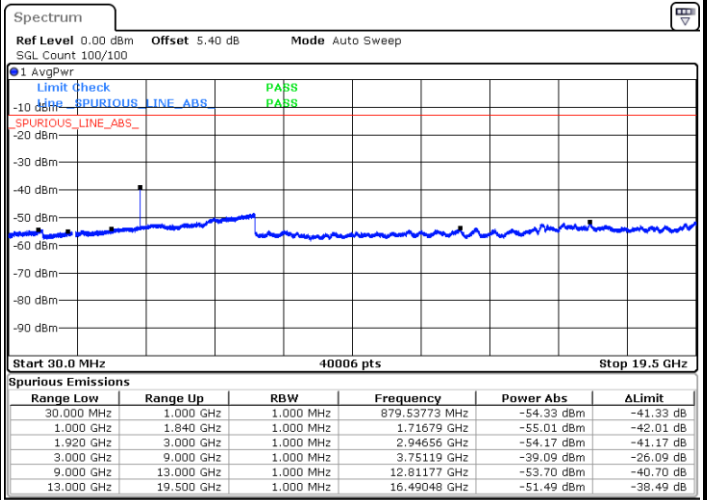
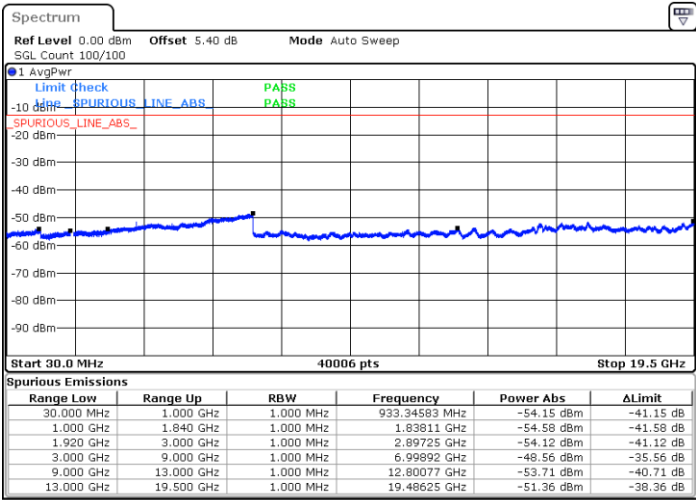




LTE Band 2 / 10MHz

Lowest Channel / QPSK

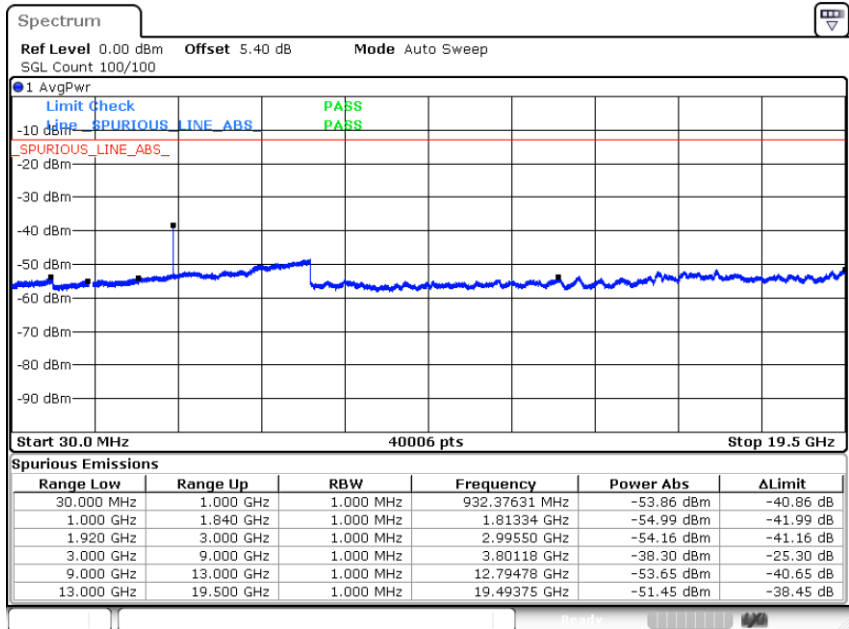
Middle Channel / QPSK



Date: 6.DEC.2021 21:57:03

Date: 6.DEC.2021 22:11:25

Highest Channel / QPSK

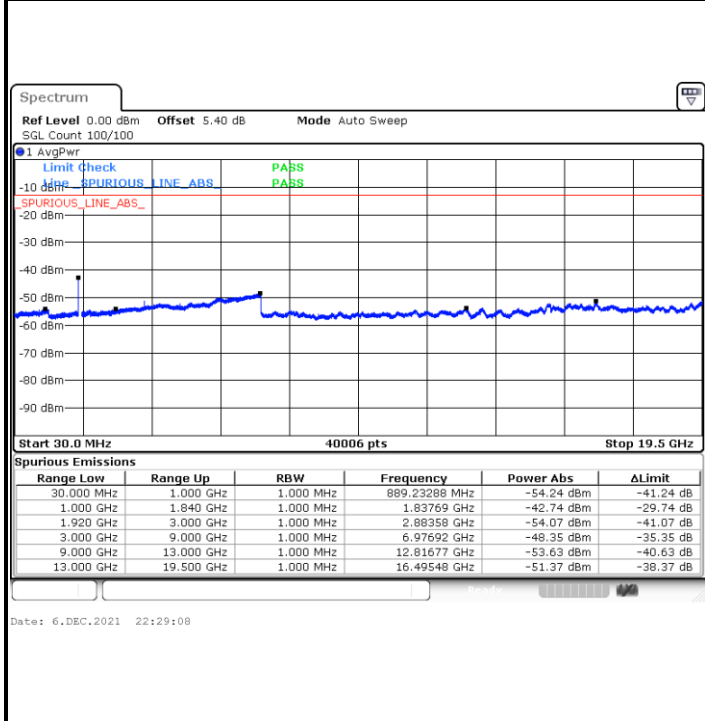


Date: 6.DEC.2021 22:14:23

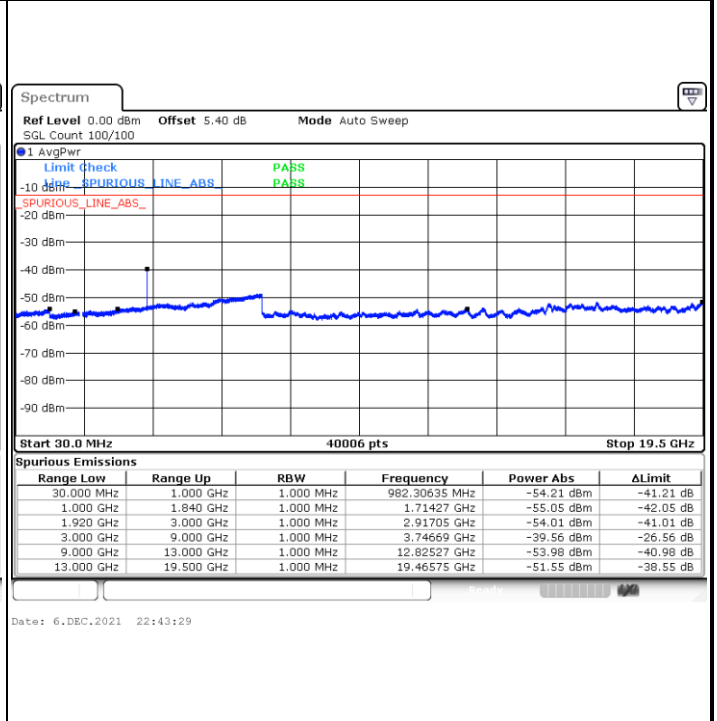


LTE Band 2 / 15MHz

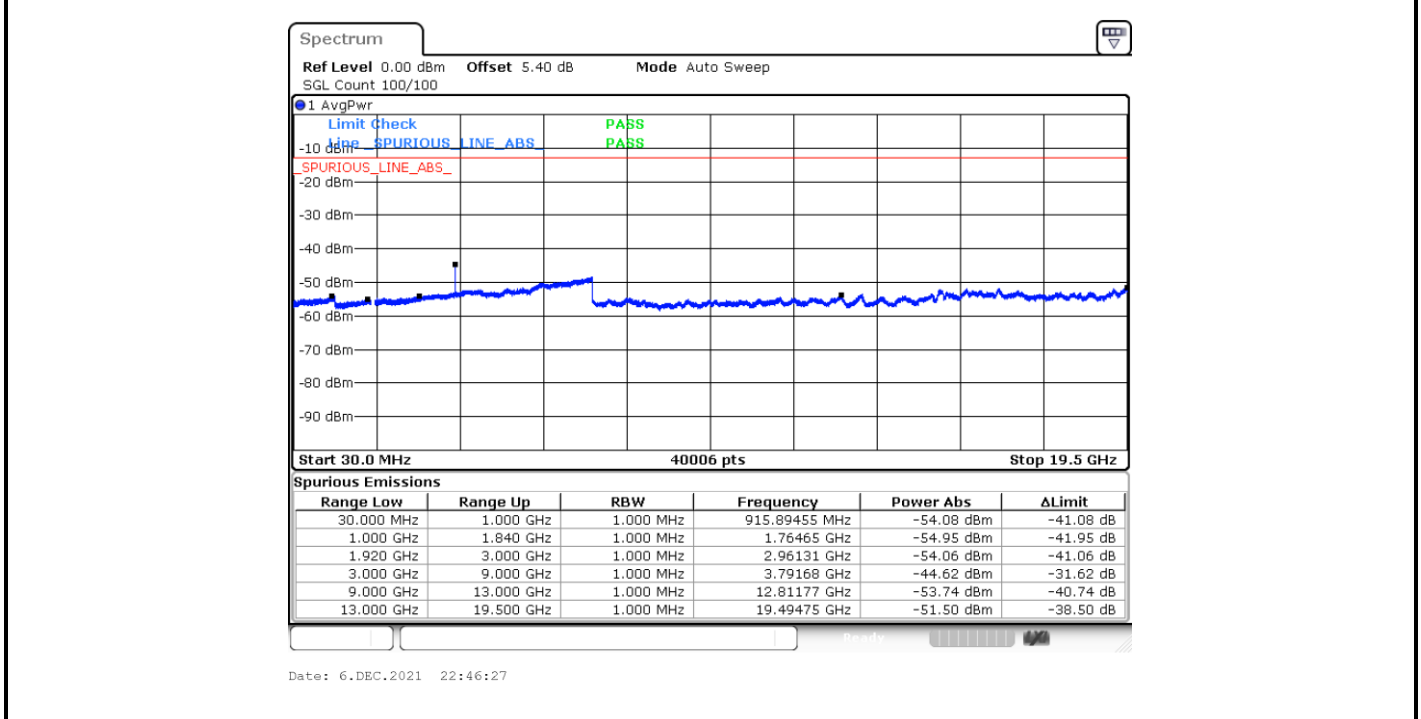
Lowest Channel / QPSK



Middle Channel / QPSK



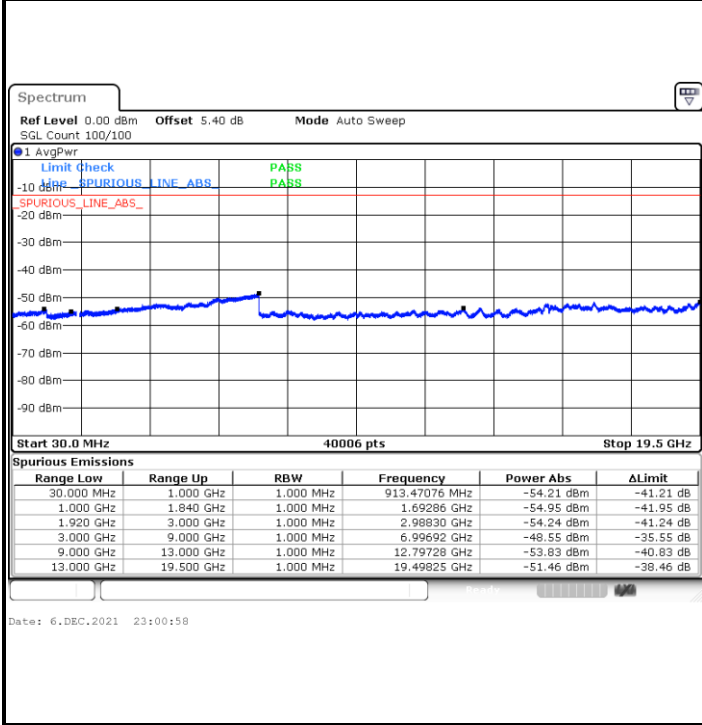
Highest Channel / QPSK



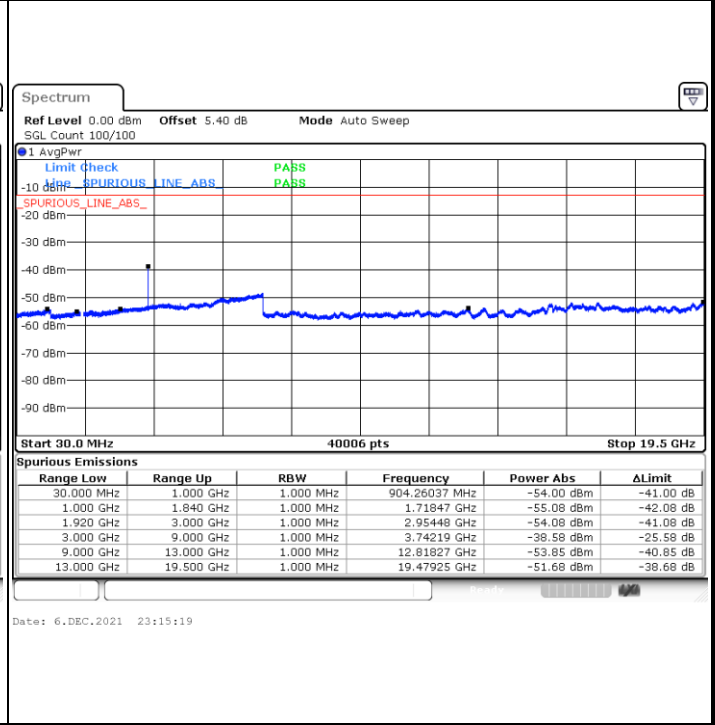


LTE Band 2 / 20MHz

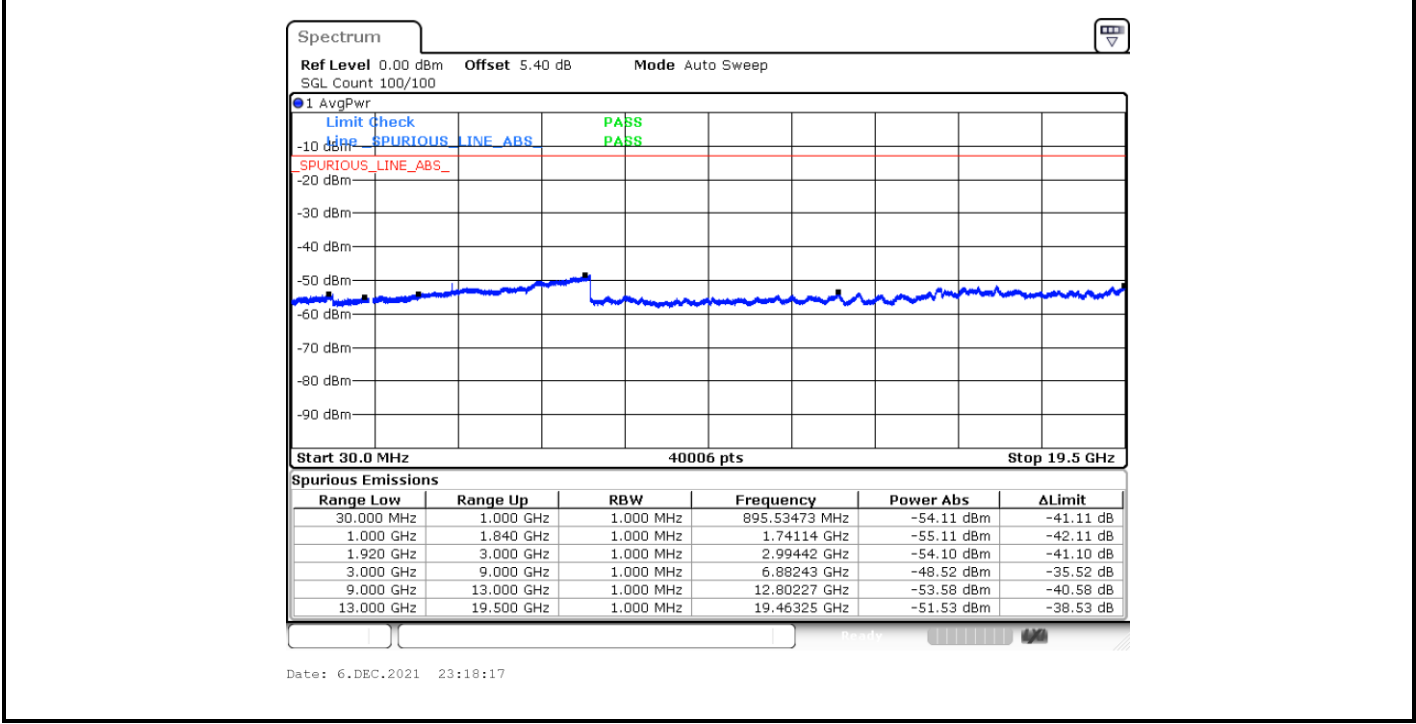
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0005	PASS
40	Normal Voltage	0.0007	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0003	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0011	
20	Maximum Voltage	0.0007	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

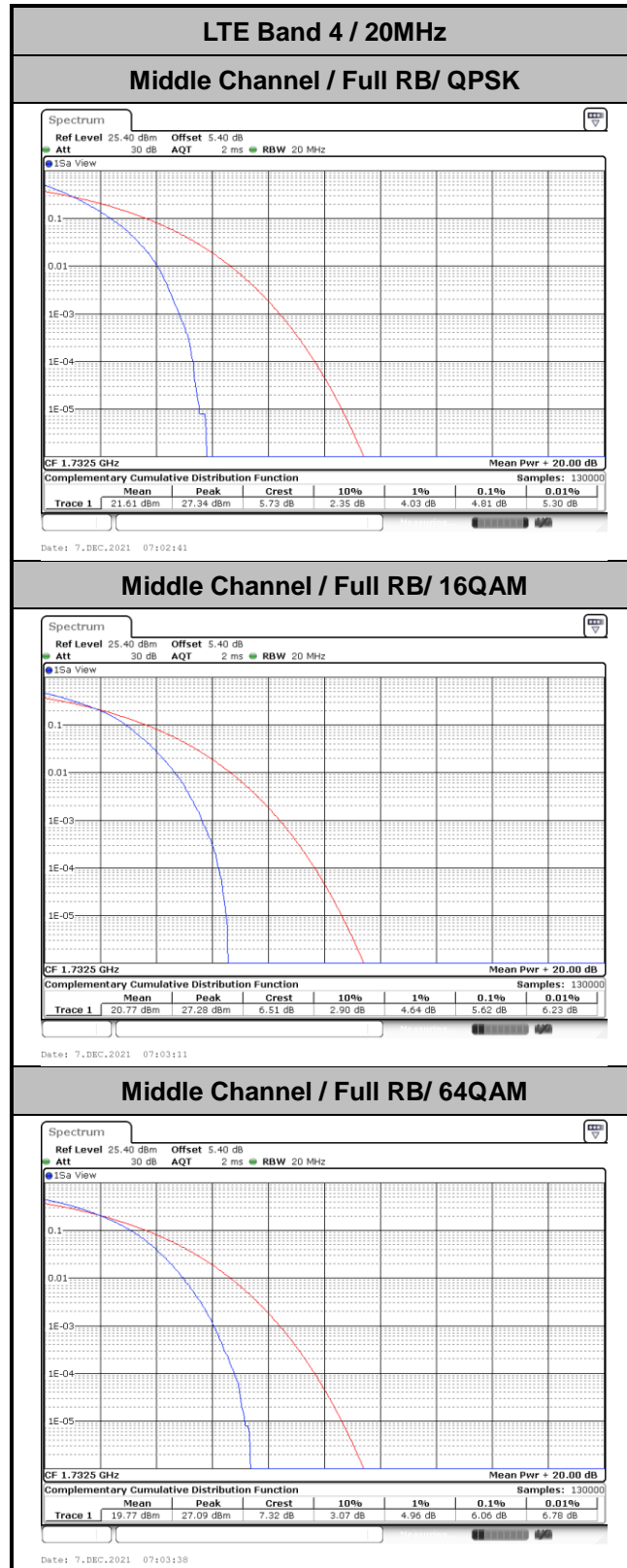
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

Peak-to-Average Ratio

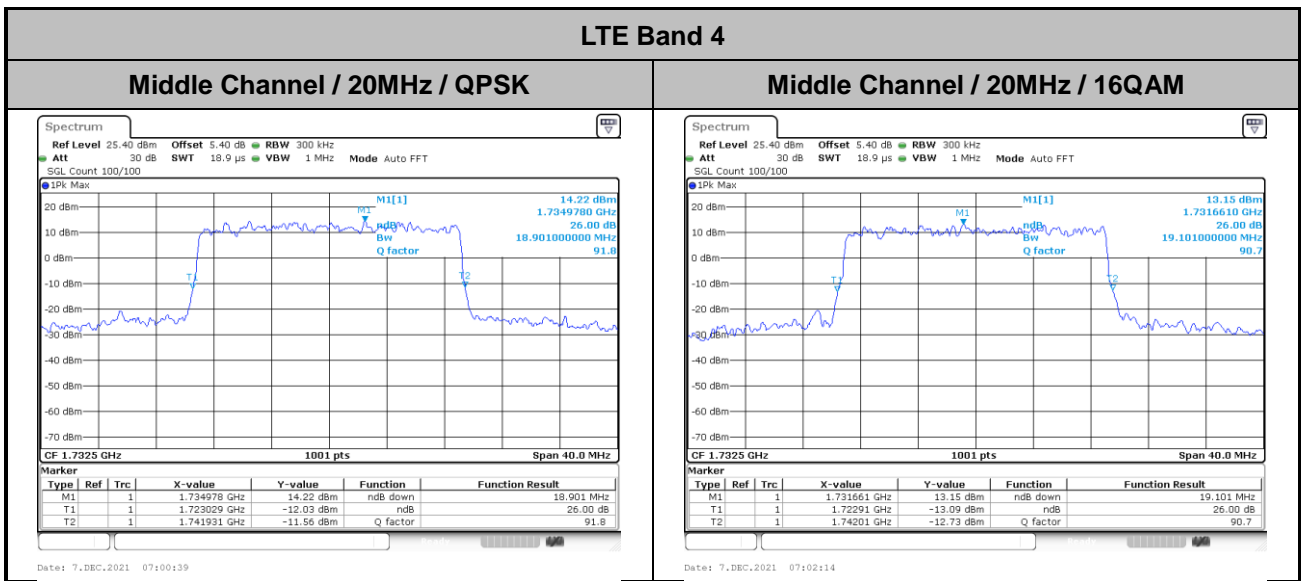
Mode	LTE Band 4 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.81	5.62	6.06	PASS





26dB Bandwidth

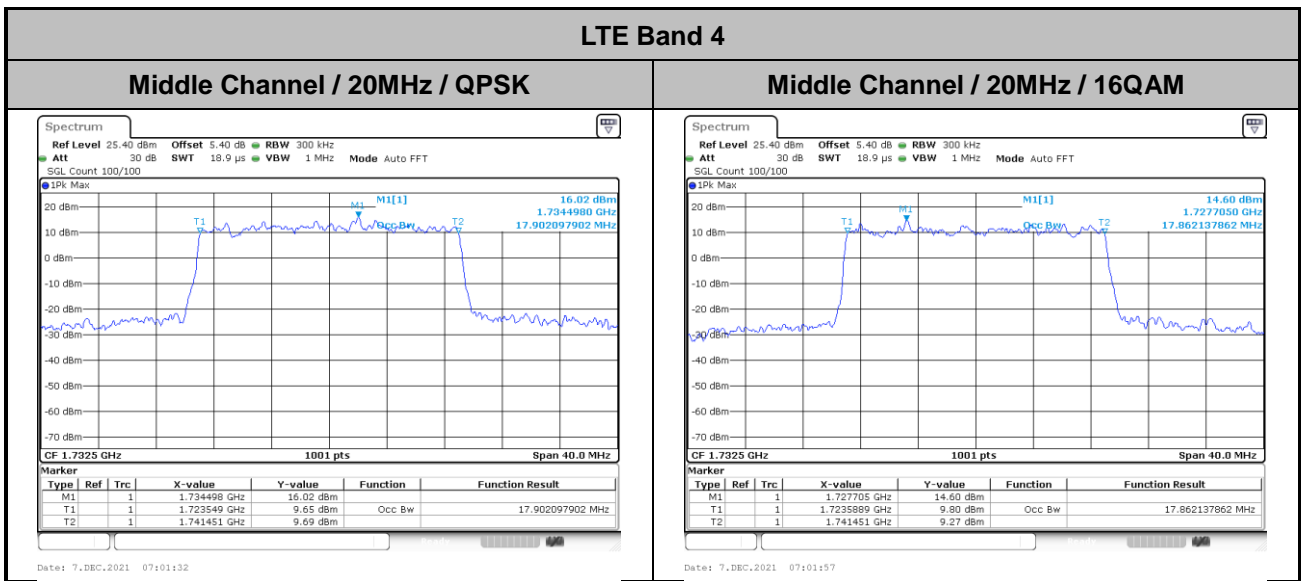
Mode	LTE Band 4 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.90	19.10





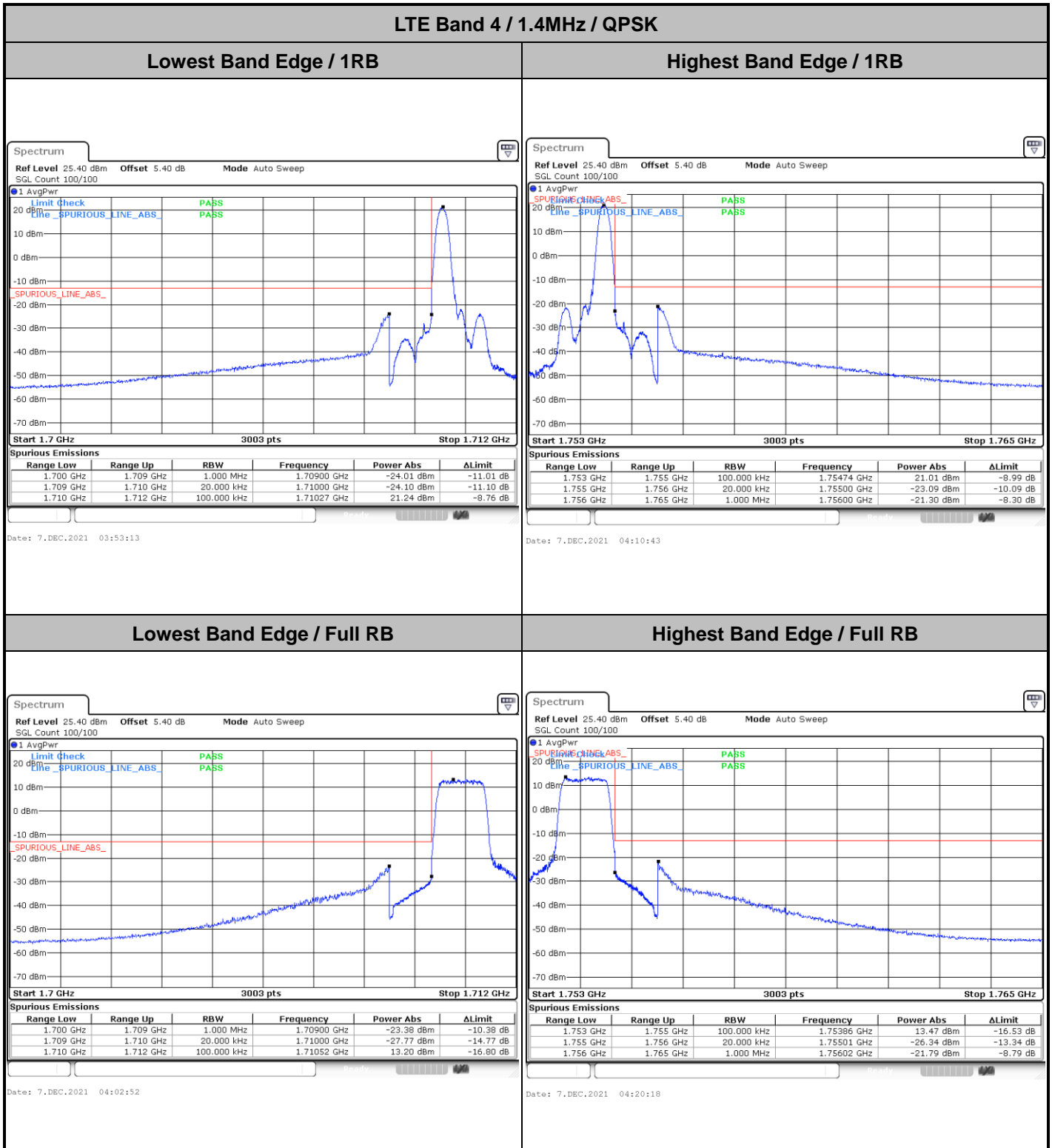
Occupied Bandwidth

Mode	LTE Band 4 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.86





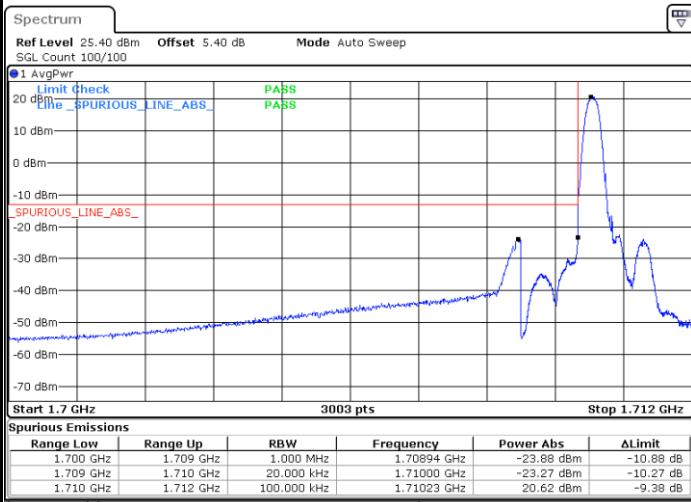
Conducted Band Edge





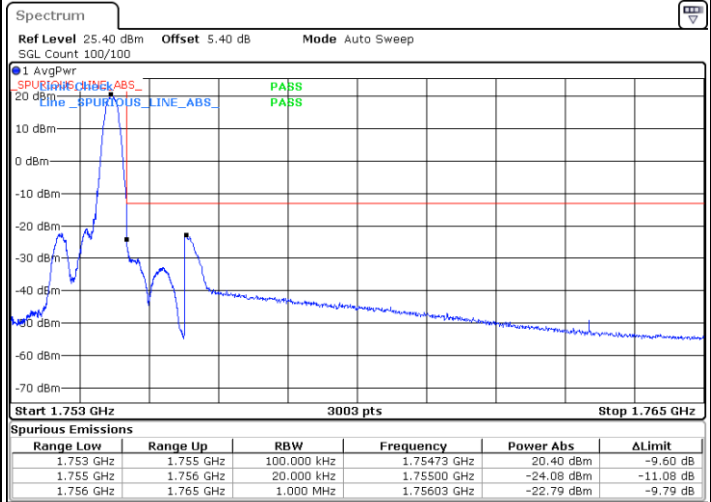
LTE Band 4 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



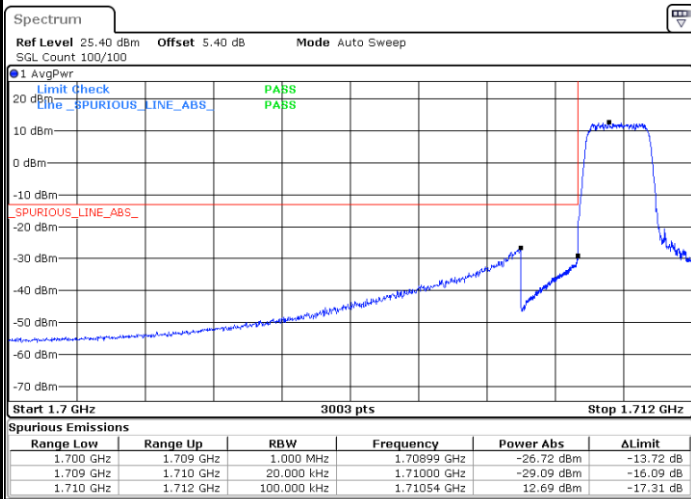
Date: 7.DEC.2021 03:55:11

Highest Band Edge / 1 RB



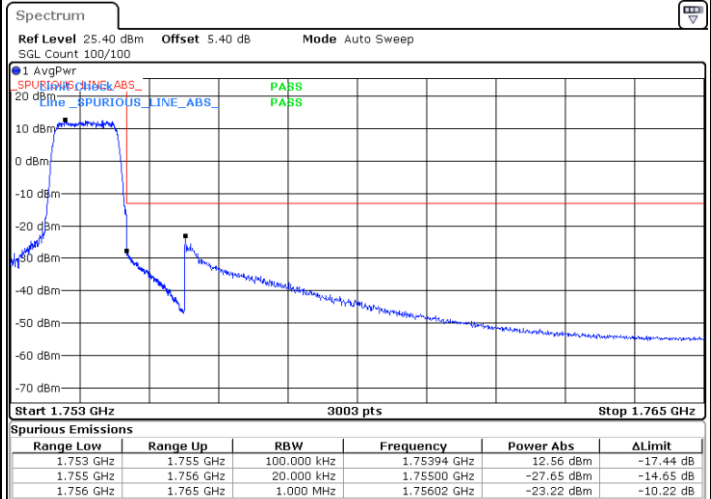
Date: 7.DEC.2021 04:12:38

Lowest Band Edge / Full RB



Date: 7.DEC.2021 04:00:57

Highest Band Edge / Full RB

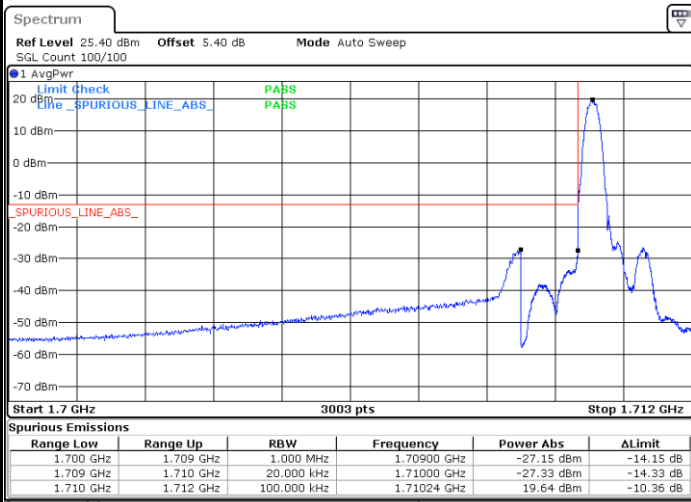


Date: 7.DEC.2021 04:18:23



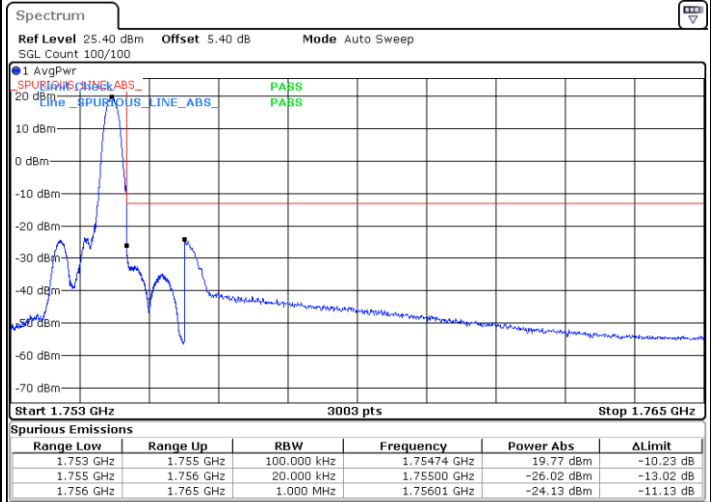
LTE Band 4 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



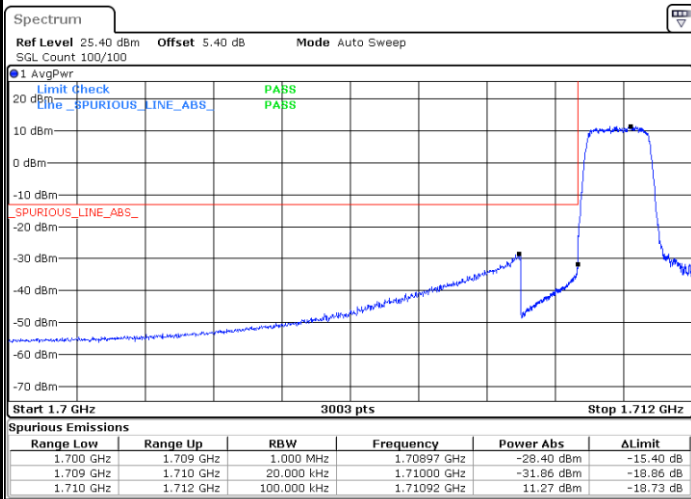
Date: 7.DEC.2021 03:57:06

Highest Band Edge / 1 RB



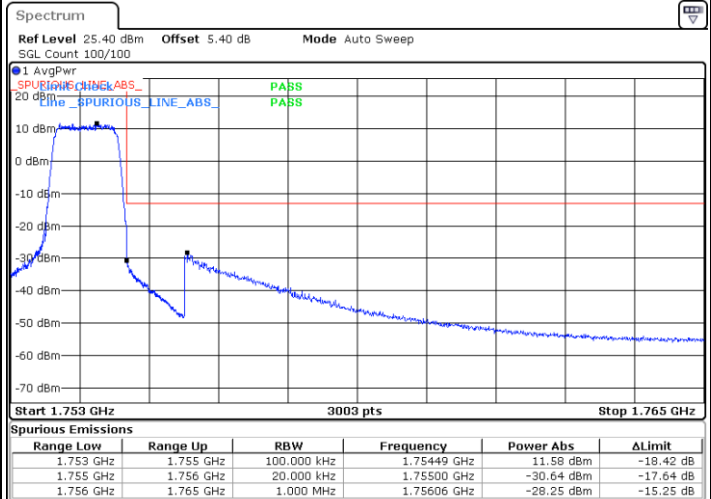
Date: 7.DEC.2021 04:14:33

Lowest Band Edge / Full RB



Date: 7.DEC.2021 03:59:02

Highest Band Edge / Full RB

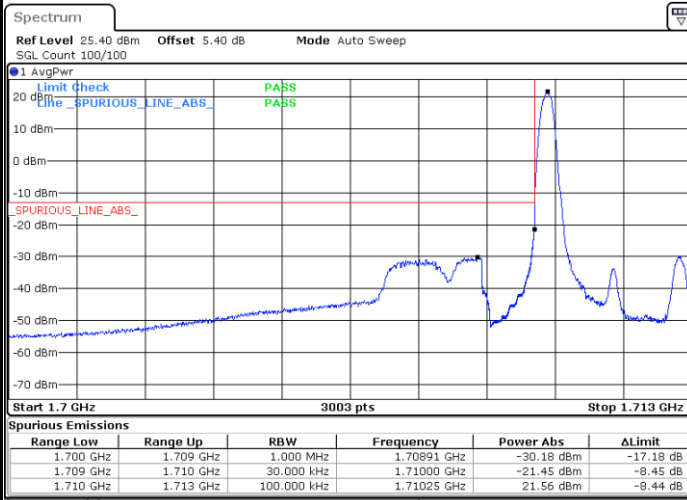


Date: 7.DEC.2021 04:16:28



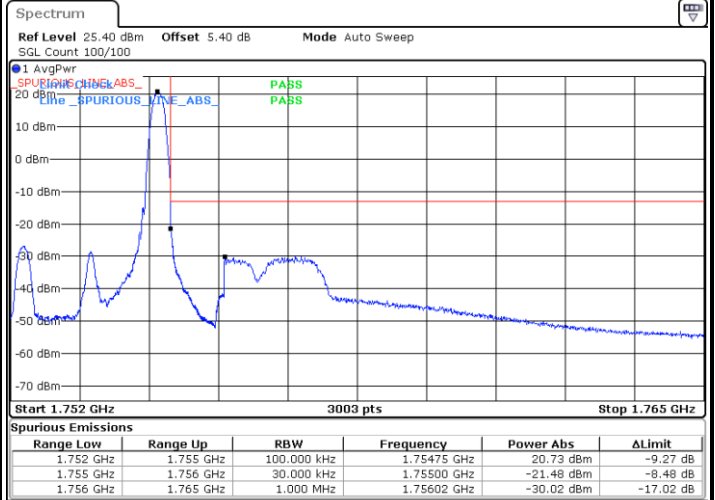
LTE Band 4 / 3MHz / QPSK

Lowest Band Edge / 1RB



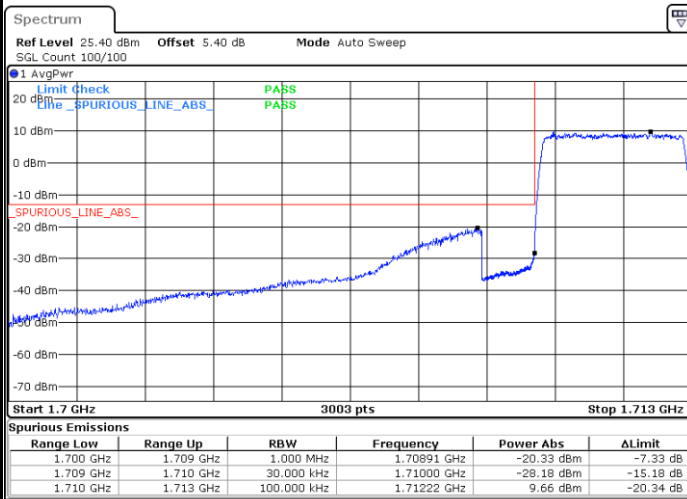
Date: 7.DEC.2021 04:25:02

Highest Band Edge / 1 RB



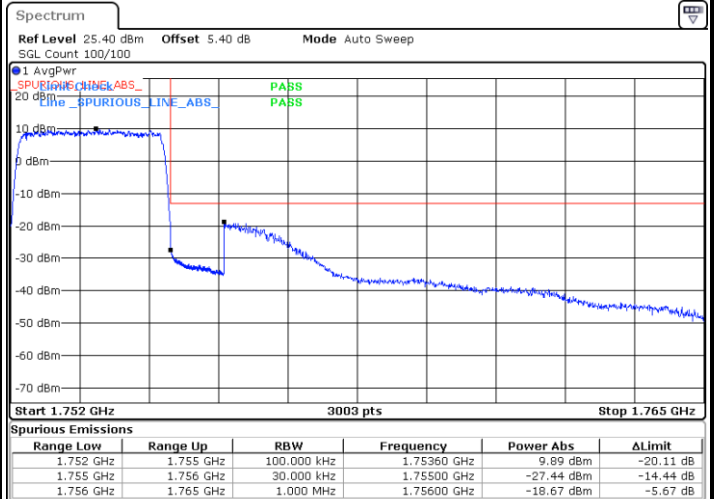
Date: 7.DEC.2021 04:43:20

Lowest Band Edge / Full RB



Date: 7.DEC.2021 04:35:18

Highest Band Edge / Full RB

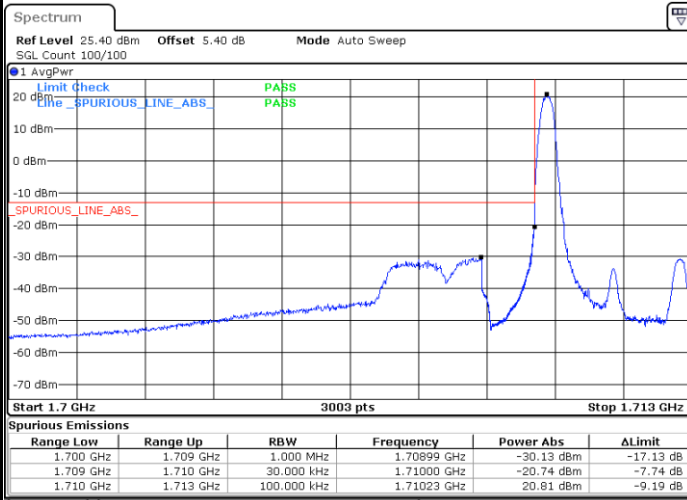


Date: 7.DEC.2021 04:52:56



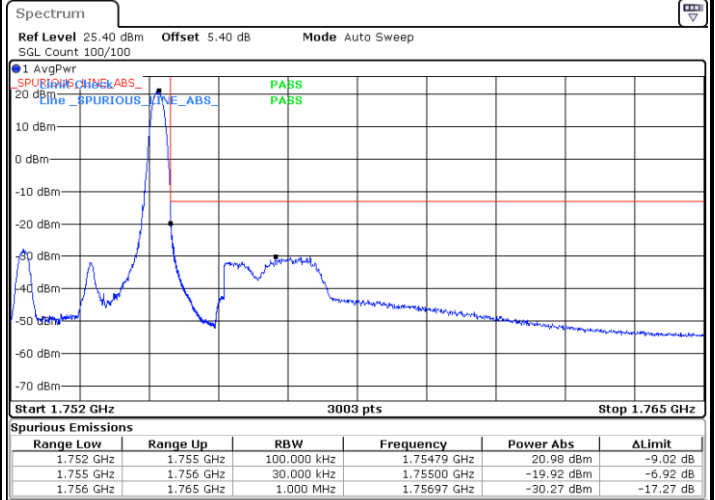
LTE Band 4 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



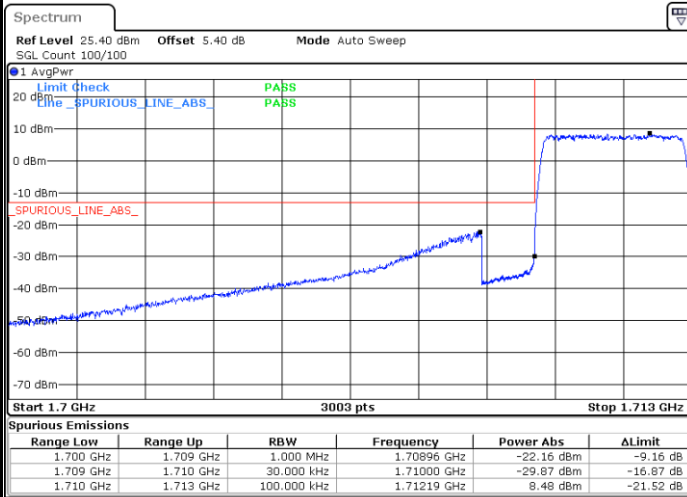
Date: 7.DEC.2021 04:26:57

Highest Band Edge / 1 RB



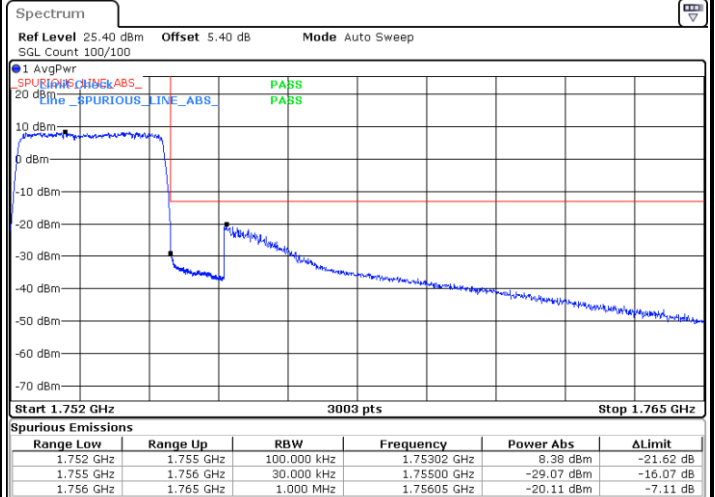
Date: 7.DEC.2021 04:45:15

Lowest Band Edge / Full RB



Date: 7.DEC.2021 04:33:23

Highest Band Edge / Full RB

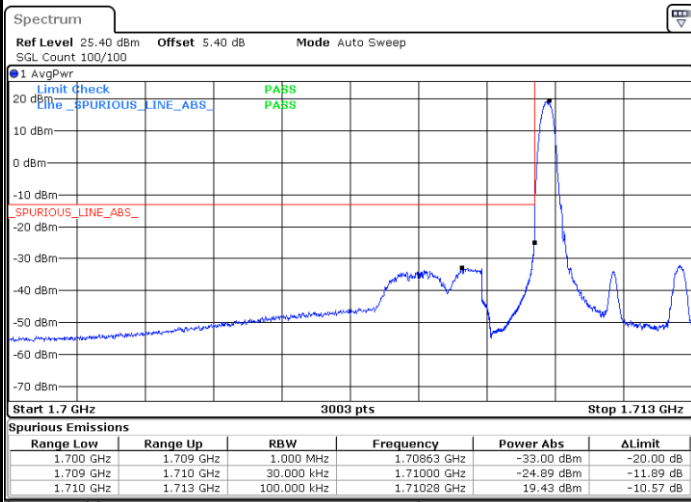


Date: 7.DEC.2021 04:51:01



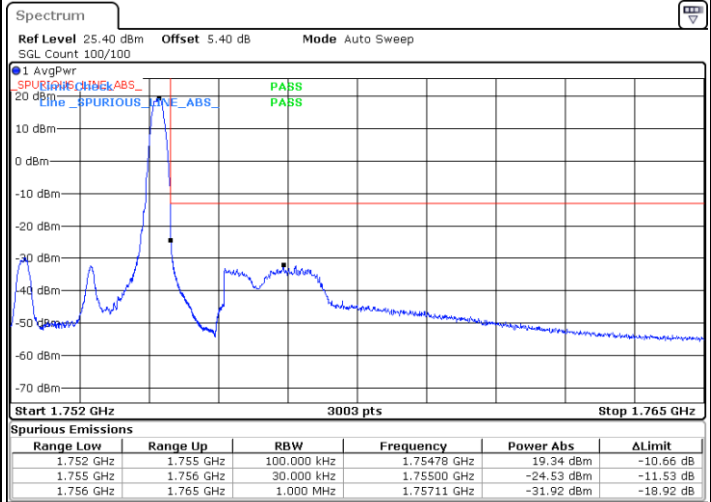
LTE Band 4 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



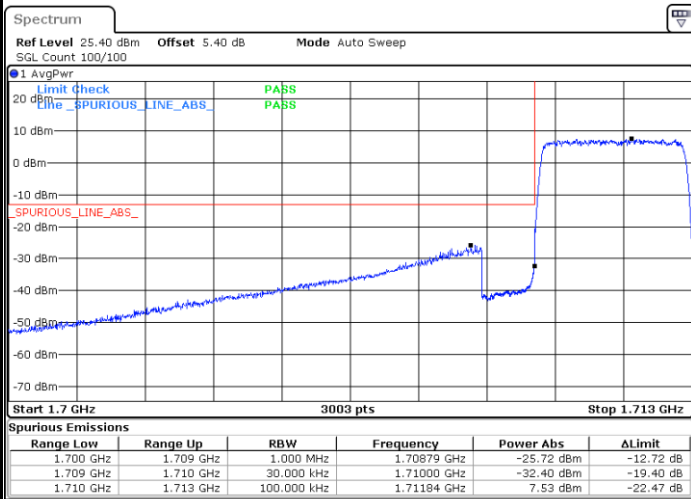
Date: 7.DEC.2021 04:28:52

Highest Band Edge / 1 RB



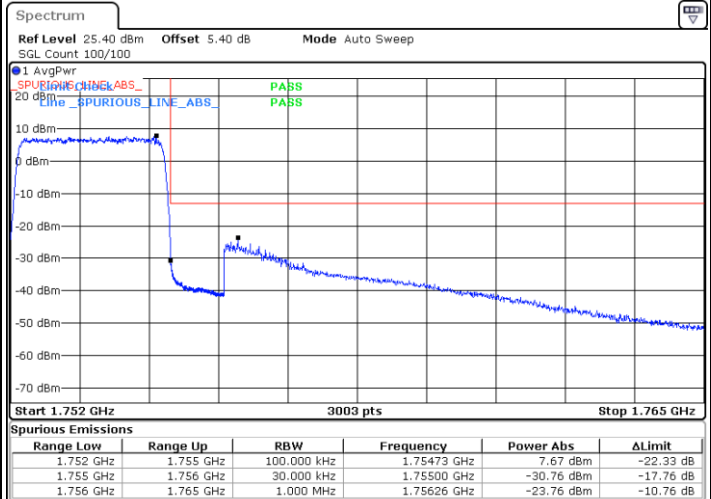
Date: 7.DEC.2021 04:47:10

Lowest Band Edge / Full RB



Date: 7.DEC.2021 04:31:26

Highest Band Edge / Full RB

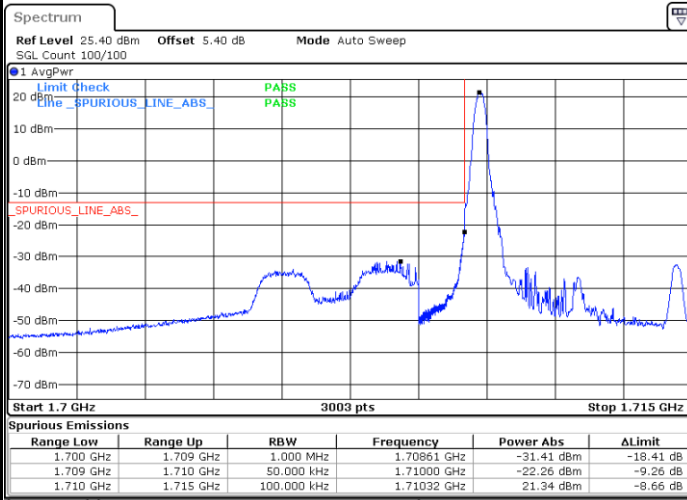


Date: 7.DEC.2021 04:49:05



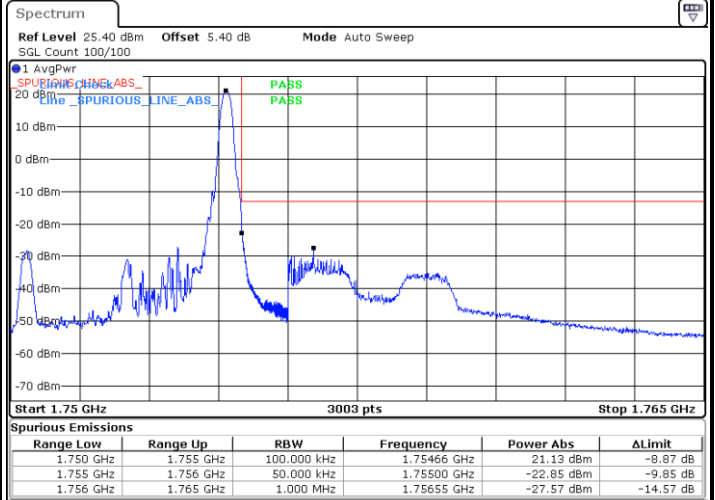
LTE Band 4 / 5MHz / QPSK

Lowest Band Edge / 1 RB



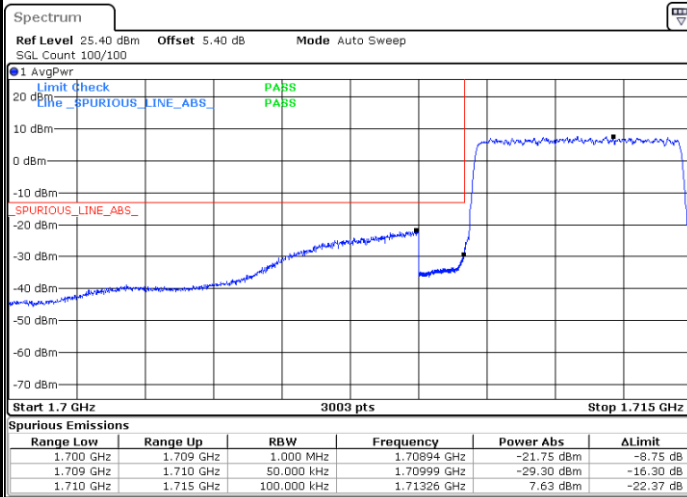
Date: 7.DEC.2021 04:57:40

Highest Band Edge / 1 RB



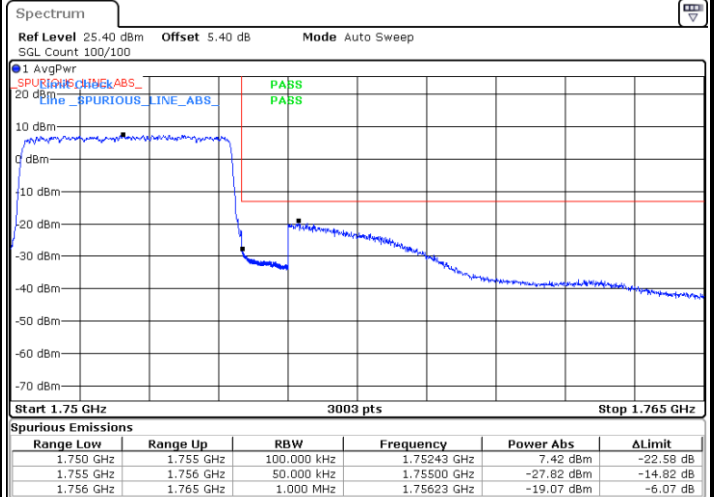
Date: 7.DEC.2021 05:15:06

Lowest Band Edge / Full RB



Date: 7.DEC.2021 05:07:15

Highest Band Edge / Full RB

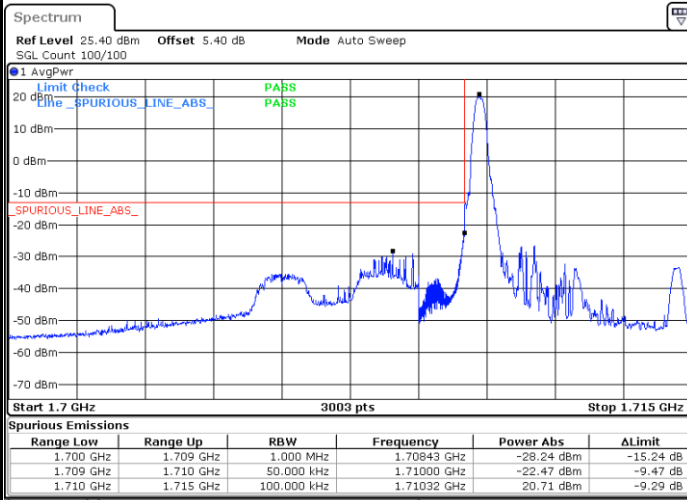


Date: 7.DEC.2021 05:24:41



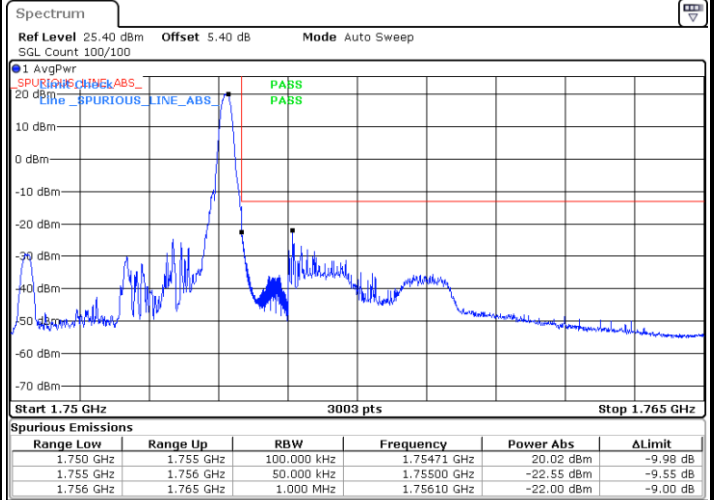
LTE Band 4 / 5MHz / 16QAM

Lowest Band Edge / 1RB



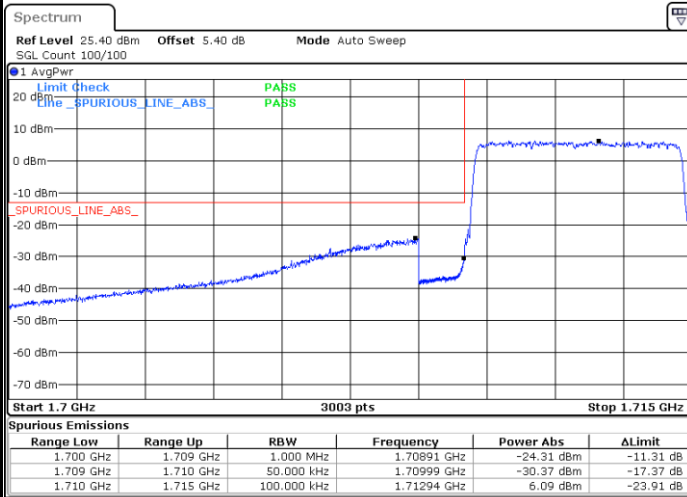
Date: 7.DEC.2021 04:59:35

Highest Band Edge / 1 RB



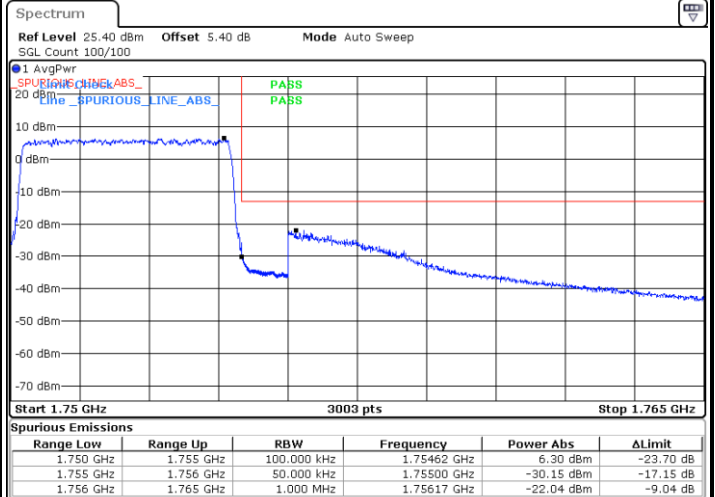
Date: 7.DEC.2021 05:17:01

Lowest Band Edge / Full RB



Date: 7.DEC.2021 05:05:19

Highest Band Edge / Full RB

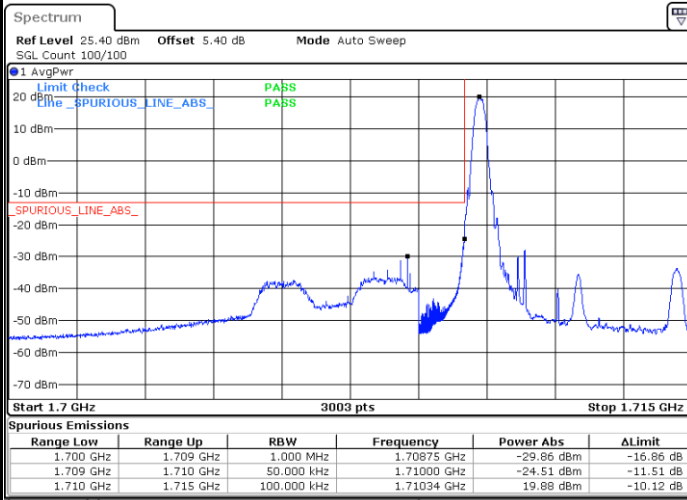


Date: 7.DEC.2021 05:22:46



LTE Band 4 / 5MHz / 64QAM

Lowest Band Edge / 1RB



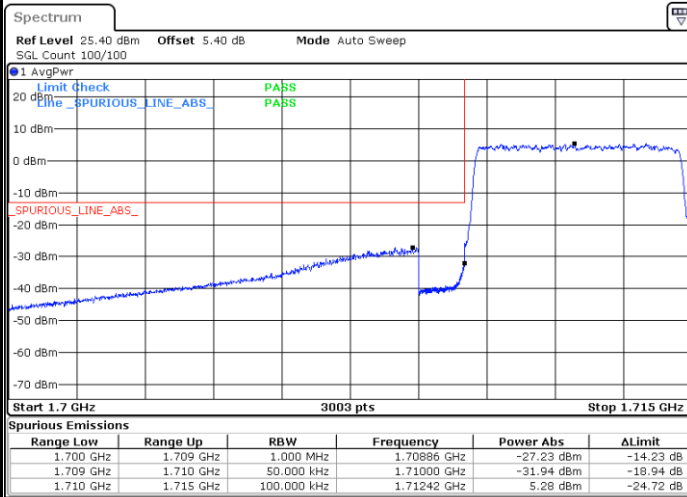
Date: 7.DEC.2021 05:01:29

Highest Band Edge / 1 RB



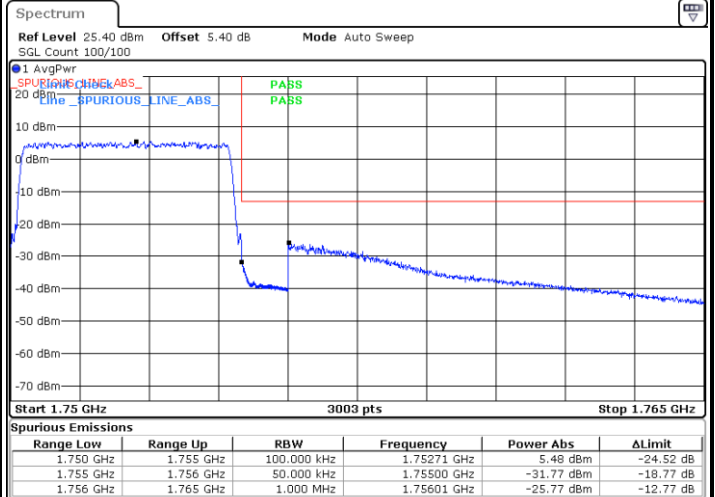
Date: 7.DEC.2021 05:18:56

Lowest Band Edge / Full RB



Date: 7.DEC.2021 05:03:24

Highest Band Edge / Full RB

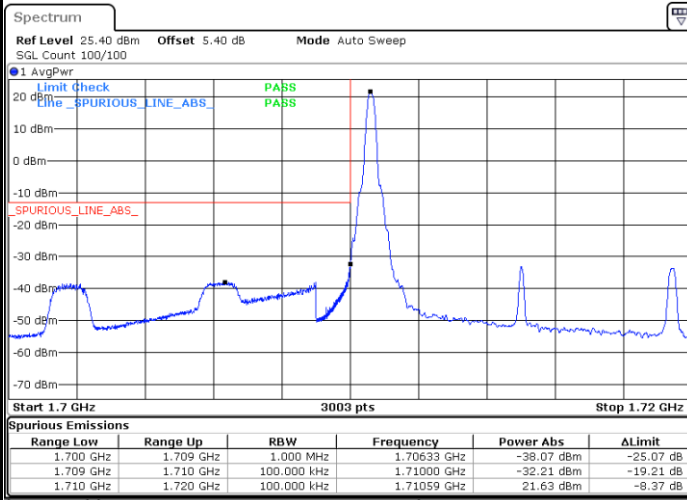


Date: 7.DEC.2021 05:20:51



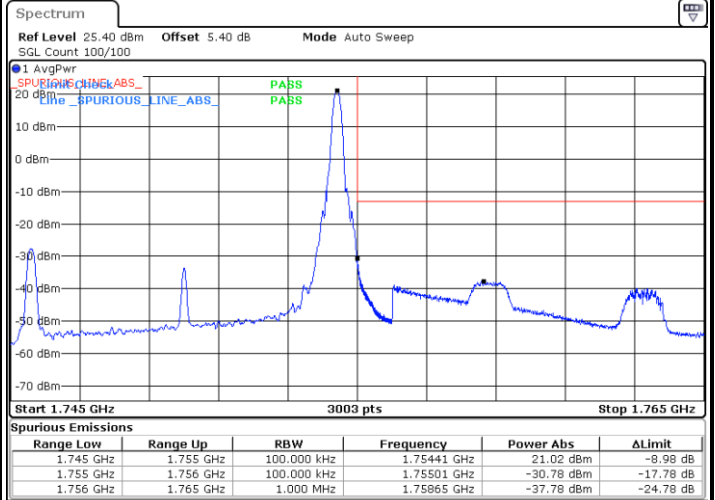
LTE Band 4 / 10MHz / QPSK

Lowest Band Edge / 1 RB



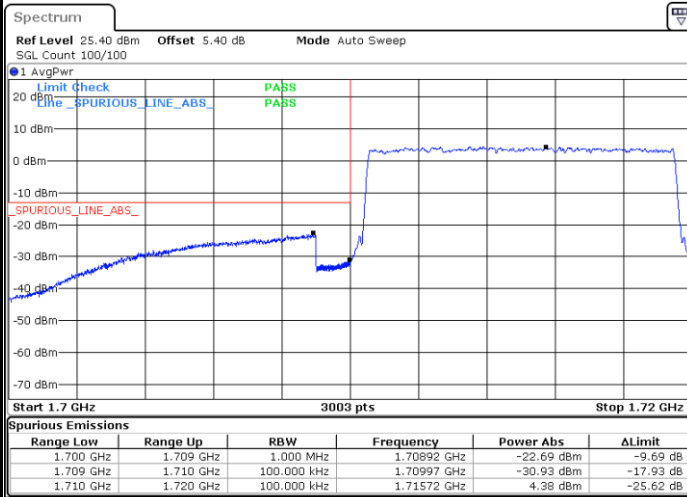
Date: 7.DEC.2021 05:29:25

Highest Band Edge / 1 RB



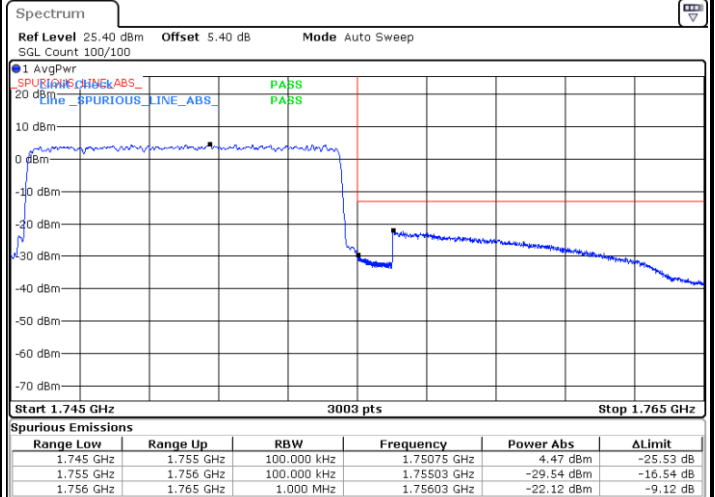
Date: 7.DEC.2021 05:47:01

Lowest Band Edge / Full RB



Date: 7.DEC.2021 05:39:01

Highest Band Edge / Full RB

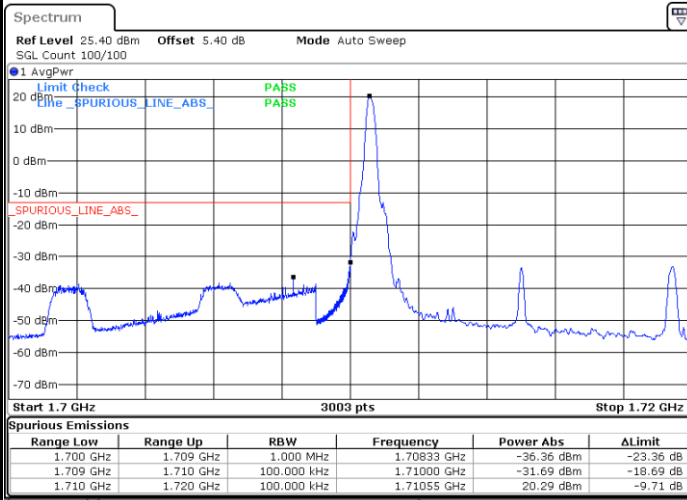


Date: 7.DEC.2021 05:56:37



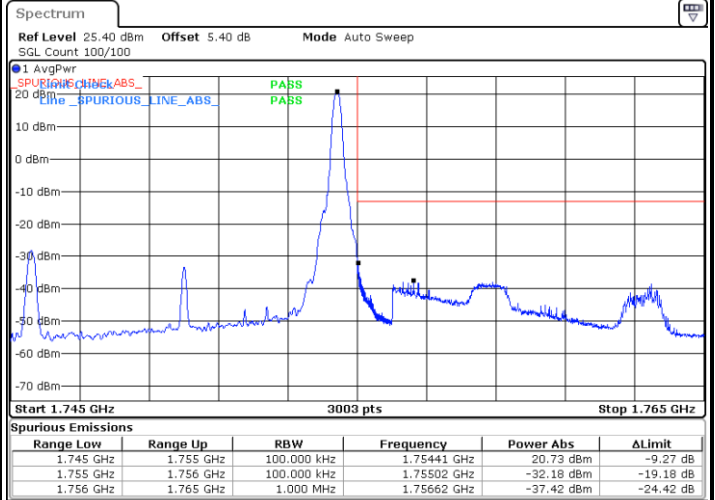
LTE Band 4 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



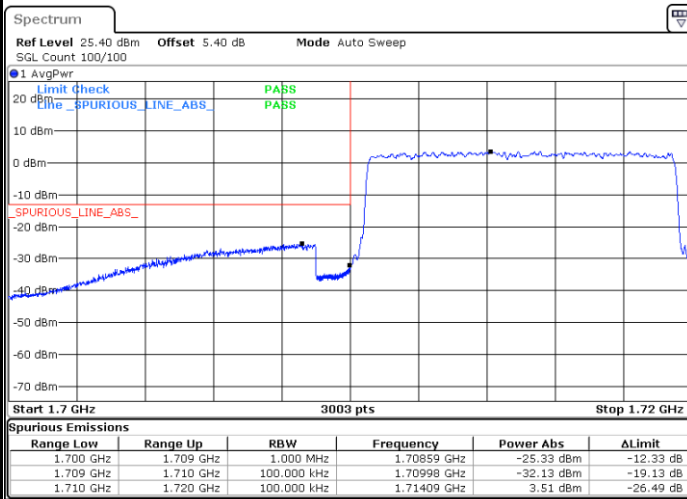
Date: 7.DEC.2021 05:31:20

Highest Band Edge / 1 RB



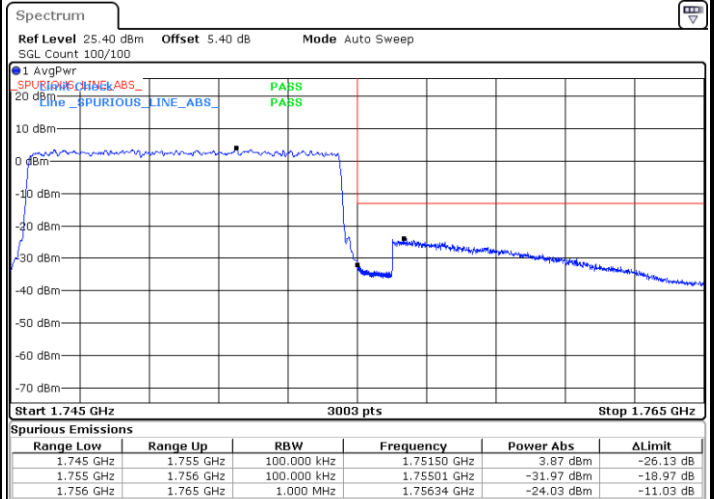
Date: 7.DEC.2021 05:48:56

Lowest Band Edge / Full RB



Date: 7.DEC.2021 05:37:06

Highest Band Edge / Full RB

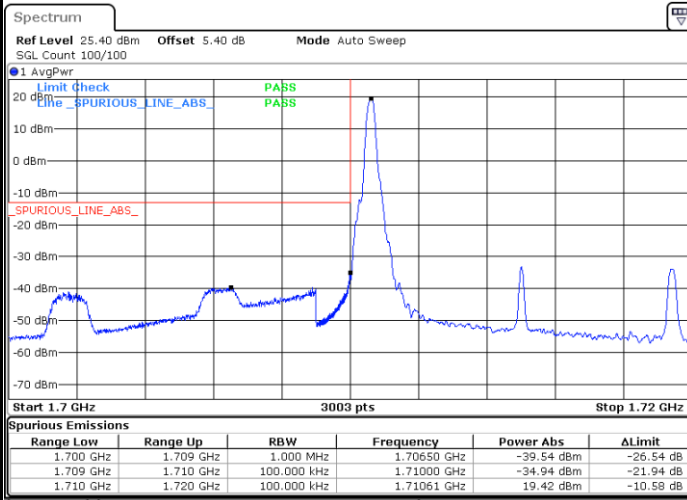


Date: 7.DEC.2021 05:54:43



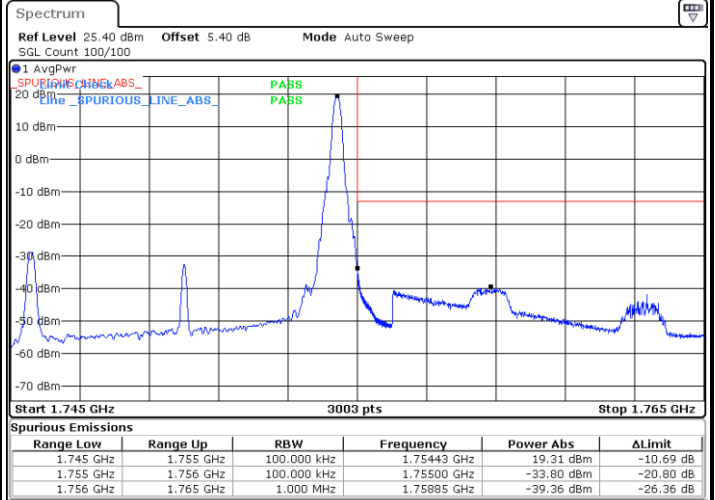
LTE Band 4 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



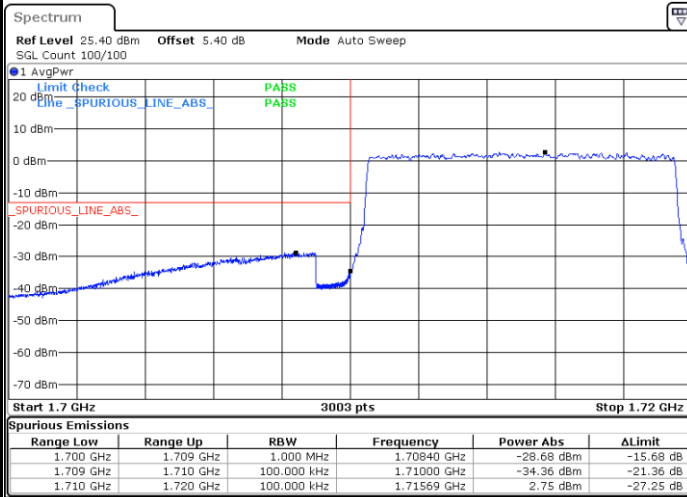
Date: 7.DEC.2021 05:33:16

Highest Band Edge / 1 RB



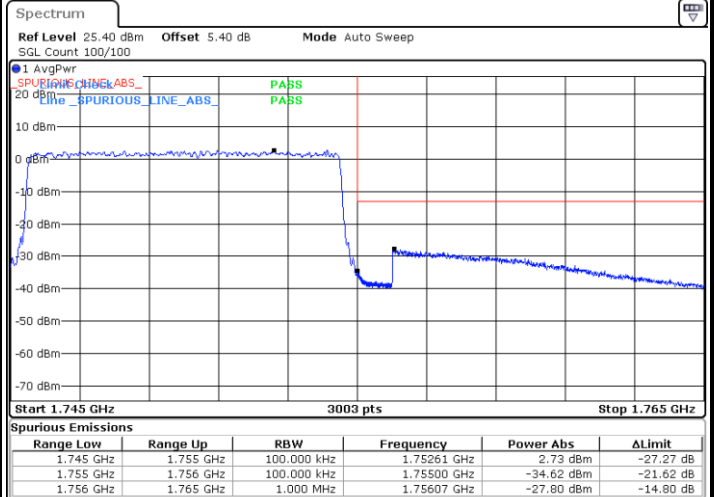
Date: 7.DEC.2021 05:50:51

Lowest Band Edge / Full RB



Date: 7.DEC.2021 05:35:11

Highest Band Edge / Full RB

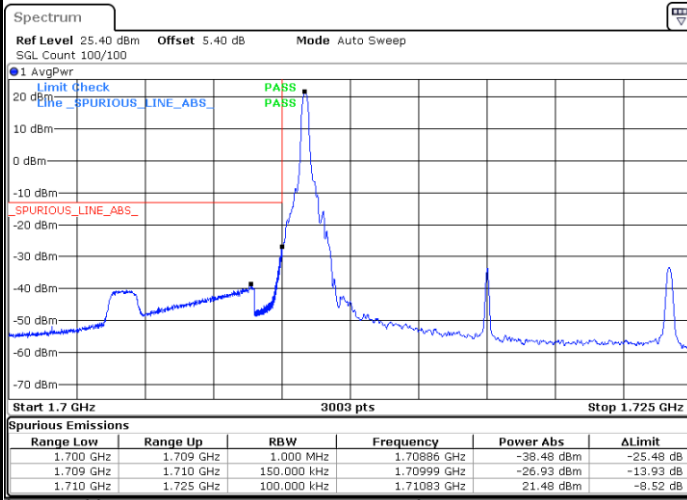


Date: 7.DEC.2021 05:52:46



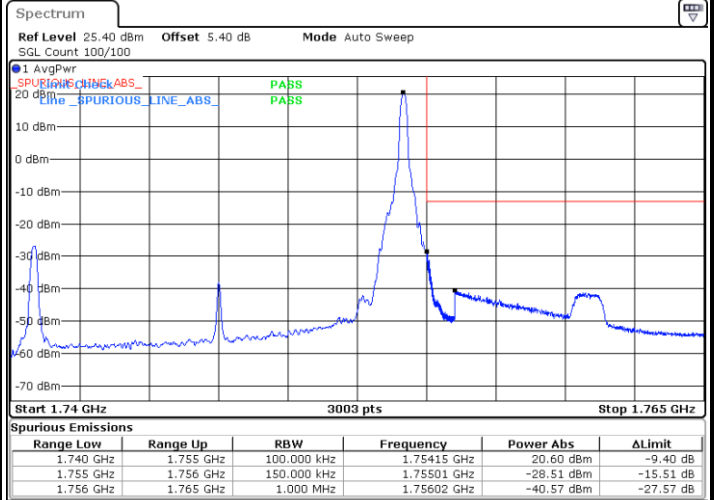
LTE Band 4 / 15MHz / QPSK

Lowest Band Edge / 1 RB



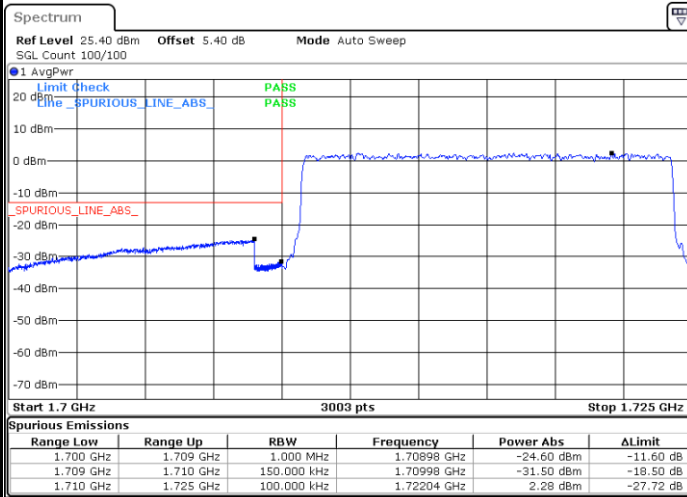
Date: 7.DEC.2021 06:01:22

Highest Band Edge / 1 RB



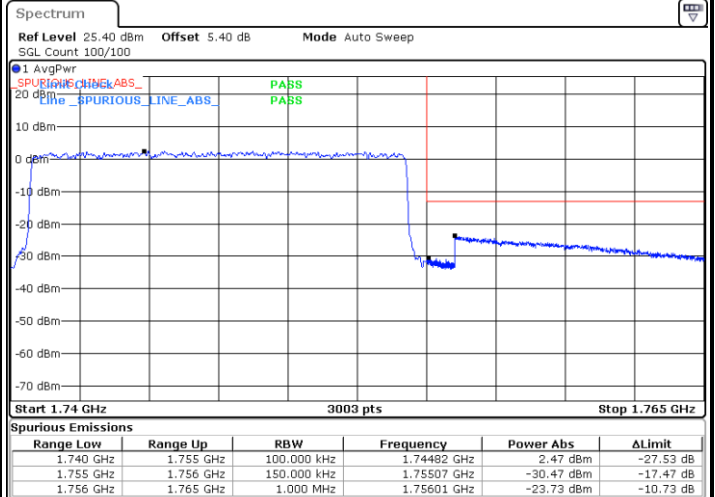
Date: 7.DEC.2021 06:18:49

Lowest Band Edge / Full RB



Date: 7.DEC.2021 06:10:56

Highest Band Edge / Full RB

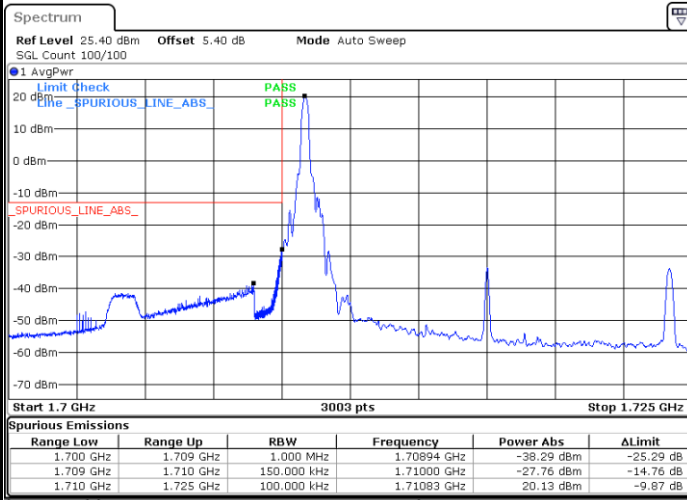


Date: 7.DEC.2021 06:28:23



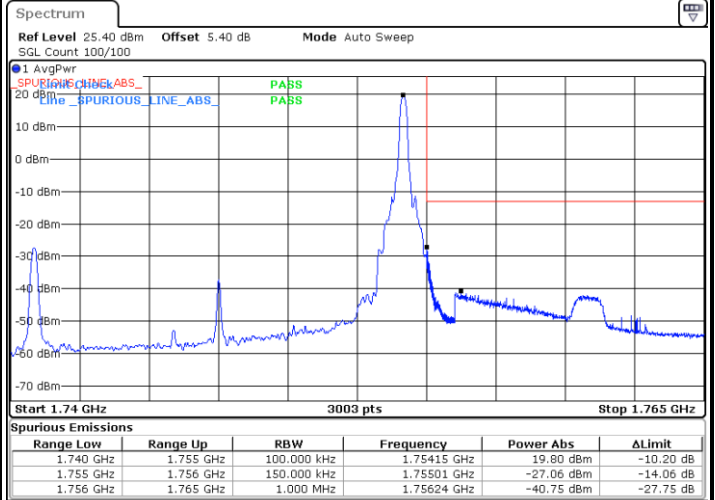
LTE Band 4 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



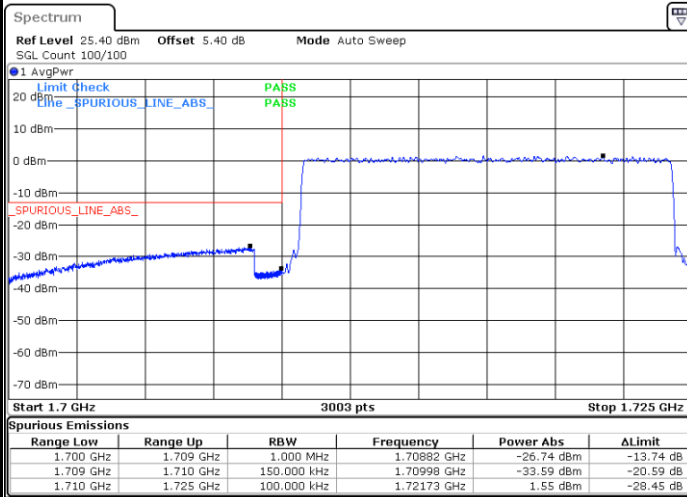
Date: 7.DEC.2021 06:03:16

Highest Band Edge / 1 RB



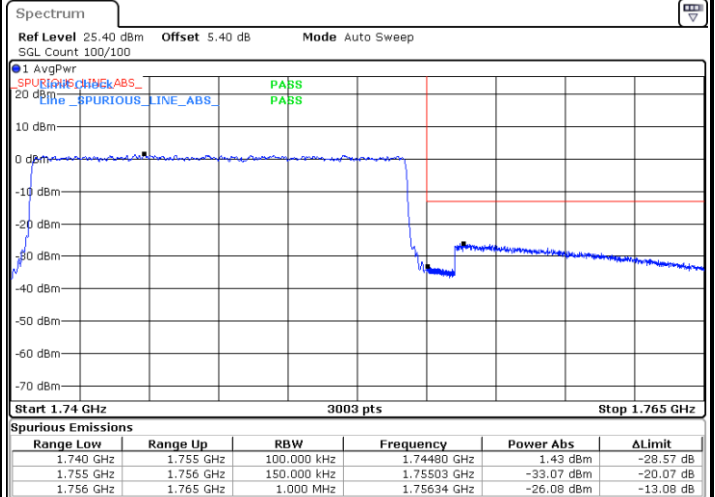
Date: 7.DEC.2021 06:20:43

Lowest Band Edge / Full RB



Date: 7.DEC.2021 06:09:01

Highest Band Edge / Full RB

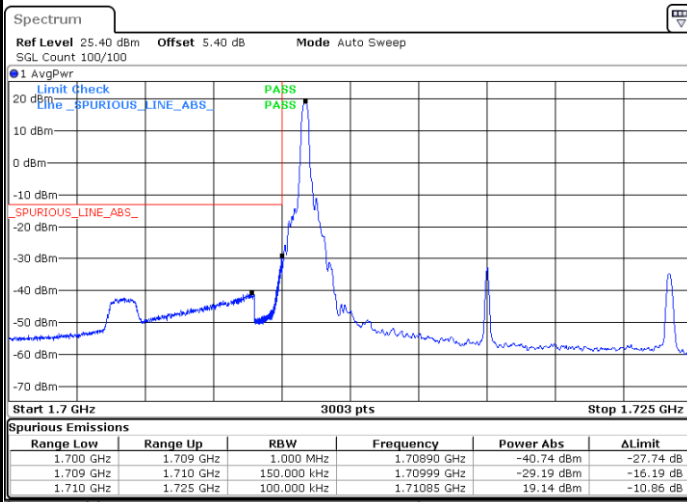


Date: 7.DEC.2021 06:26:28



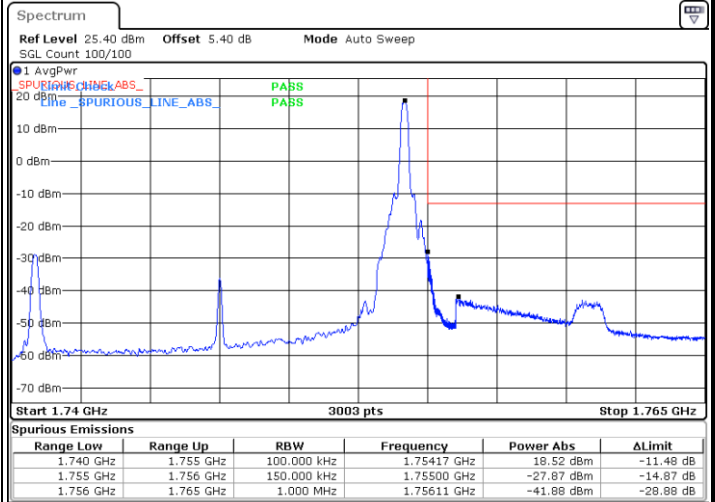
LTE Band 4 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



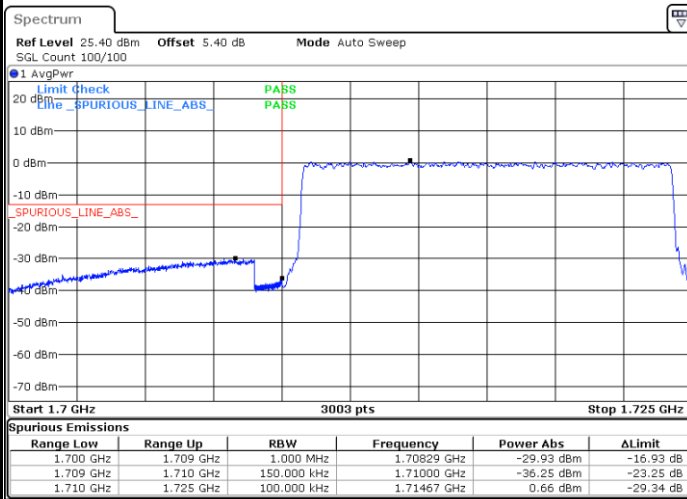
Date: 7.DEC.2021 06:05:11

Highest Band Edge / 1 RB



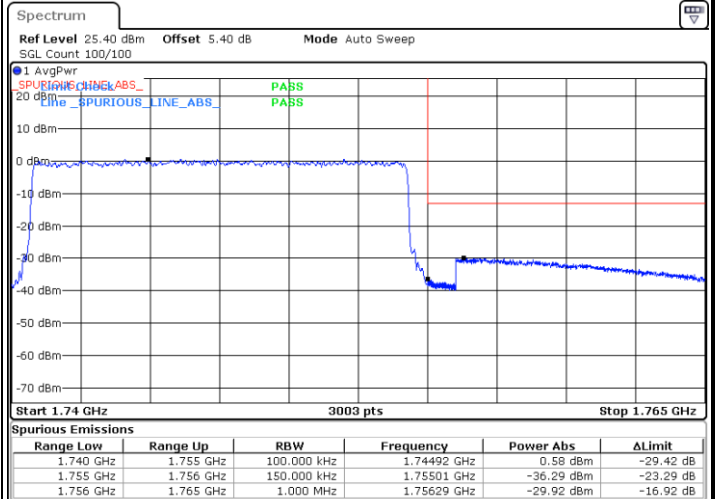
Date: 7.DEC.2021 06:22:38

Lowest Band Edge / Full RB



Date: 7.DEC.2021 06:07:06

Highest Band Edge / Full RB

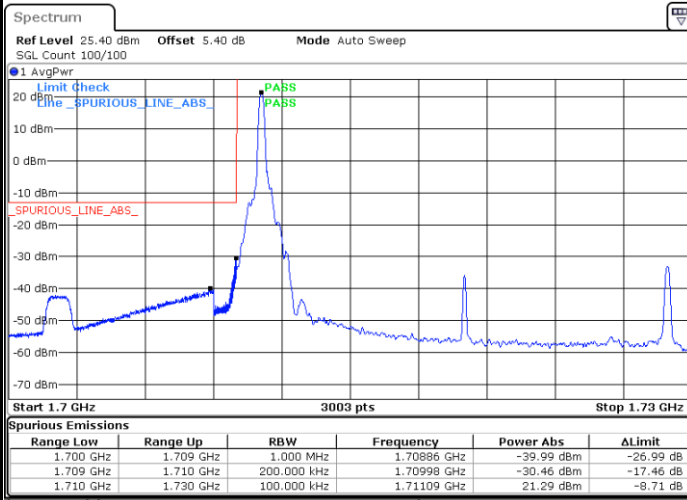


Date: 7.DEC.2021 06:24:33



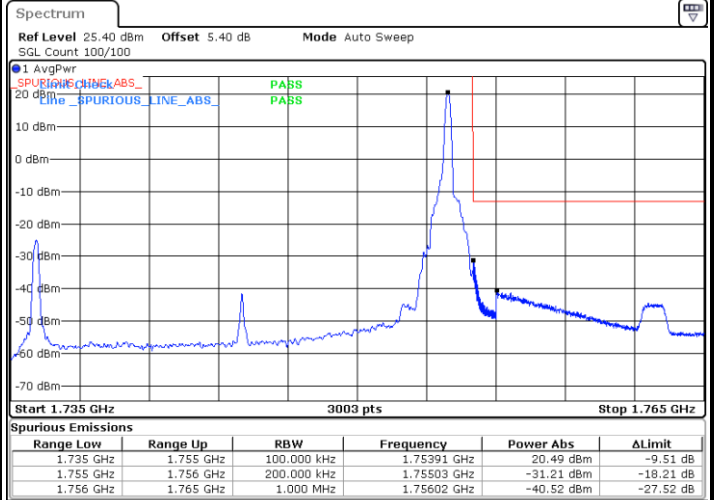
LTE Band 4 / 20MHz / QPSK

Lowest Band Edge / 1 RB



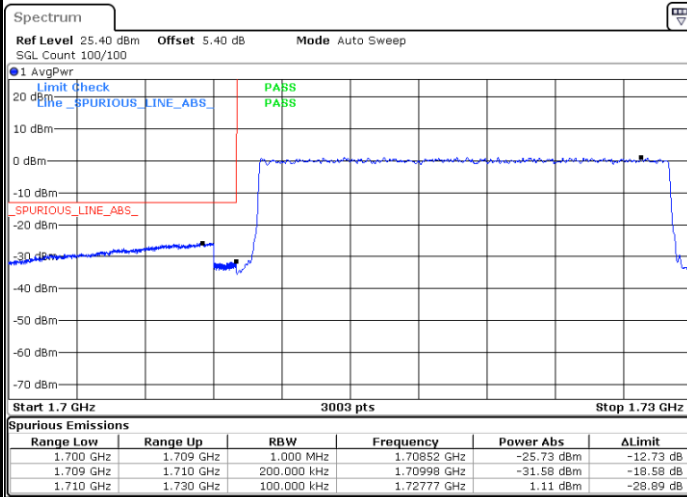
Date: 7.DEC.2021 06:33:07

Highest Band Edge / 1 RB



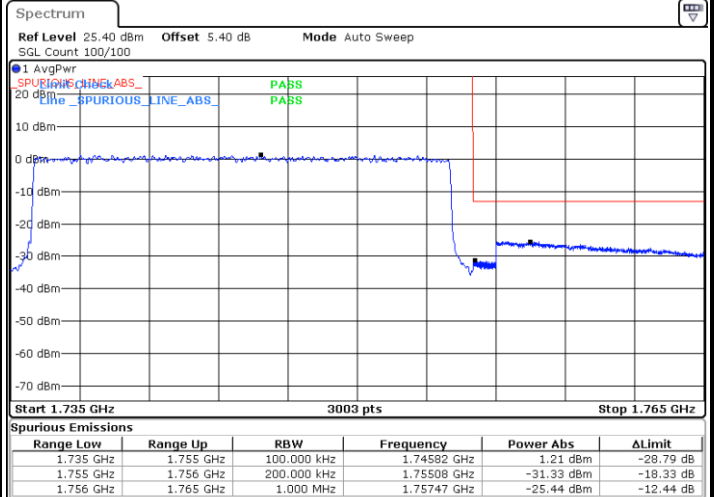
Date: 7.DEC.2021 06:50:38

Lowest Band Edge / Full RB



Date: 7.DEC.2021 06:42:41

Highest Band Edge / Full RB

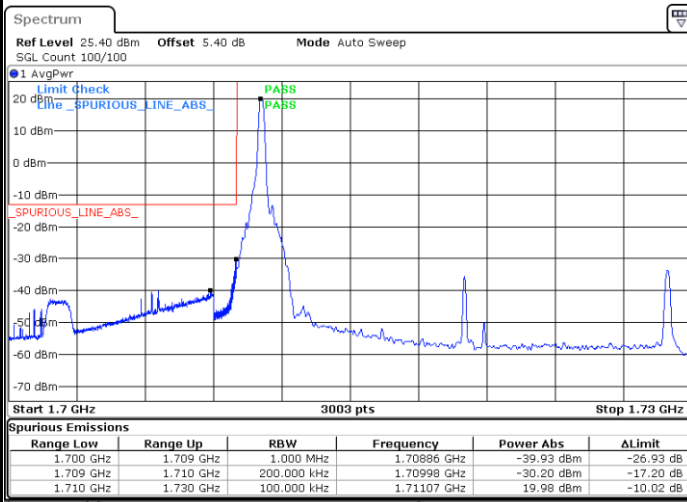


Date: 7.DEC.2021 07:00:13



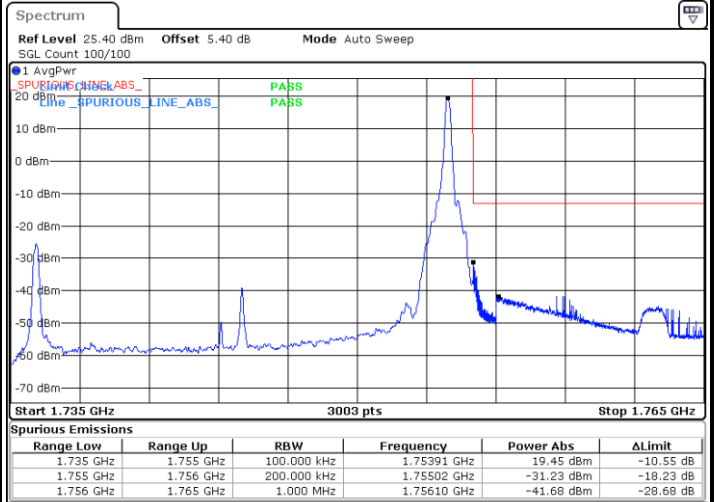
LTE Band 4 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



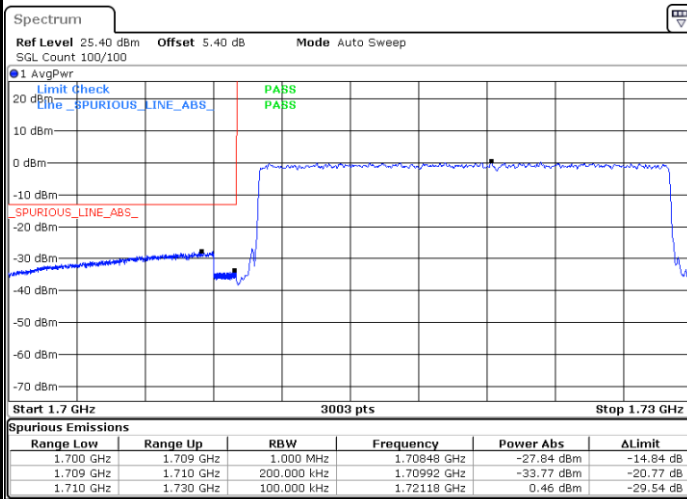
Date: 7.DEC.2021 06:35:02

Highest Band Edge / 1 RB



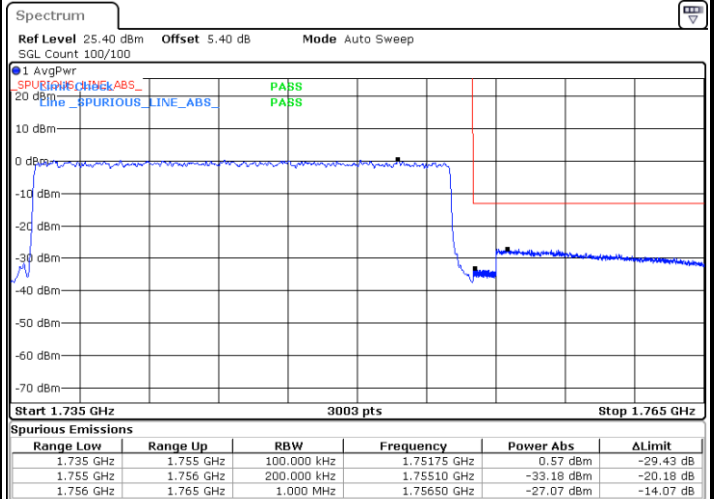
Date: 7.DEC.2021 06:52:33

Lowest Band Edge / Full RB



Date: 7.DEC.2021 06:40:46

Highest Band Edge / Full RB

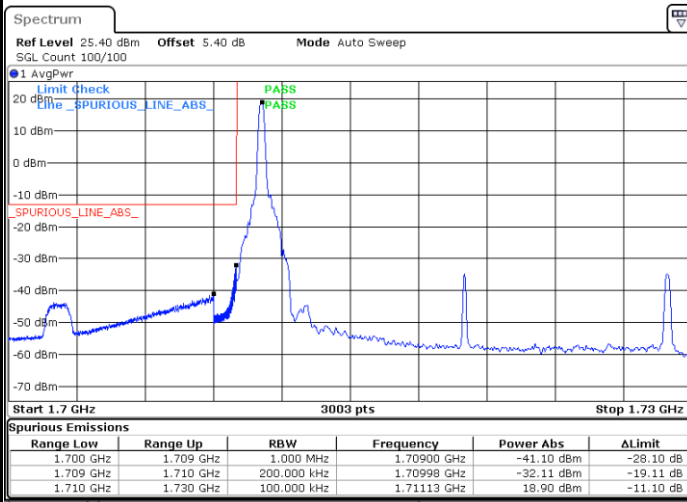


Date: 7.DEC.2021 06:58:18



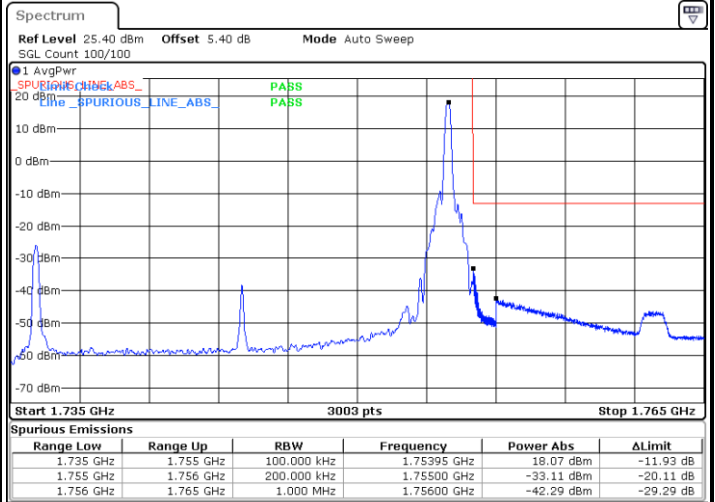
LTE Band 4 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



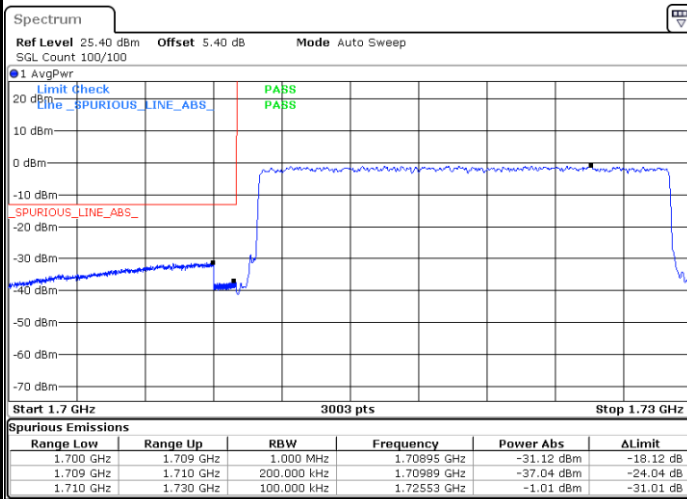
Date: 7.DEC.2021 06:36:57

Highest Band Edge / 1 RB



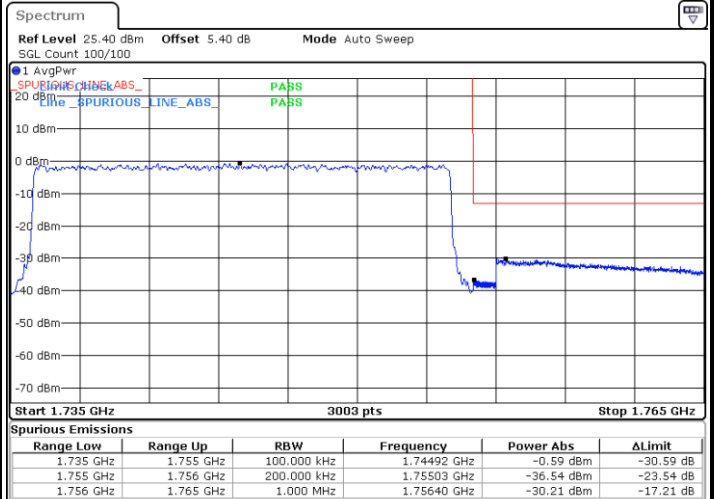
Date: 7.DEC.2021 06:54:28

Lowest Band Edge / Full RB



Date: 7.DEC.2021 06:38:51

Highest Band Edge / Full RB



Date: 7.DEC.2021 06:56:23

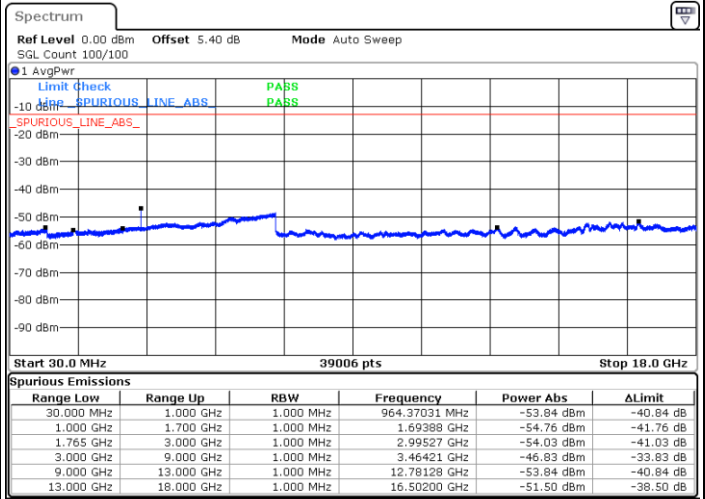
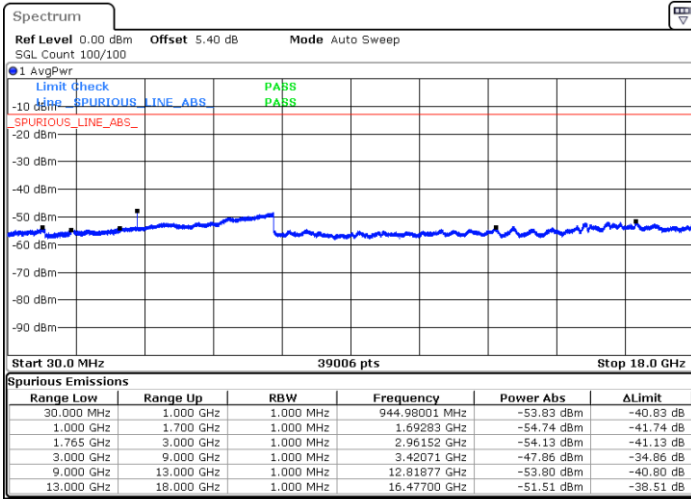


Conducted Spurious Emission

LTE Band 4 / 1.4MHz

Lowest Channel / QPSK

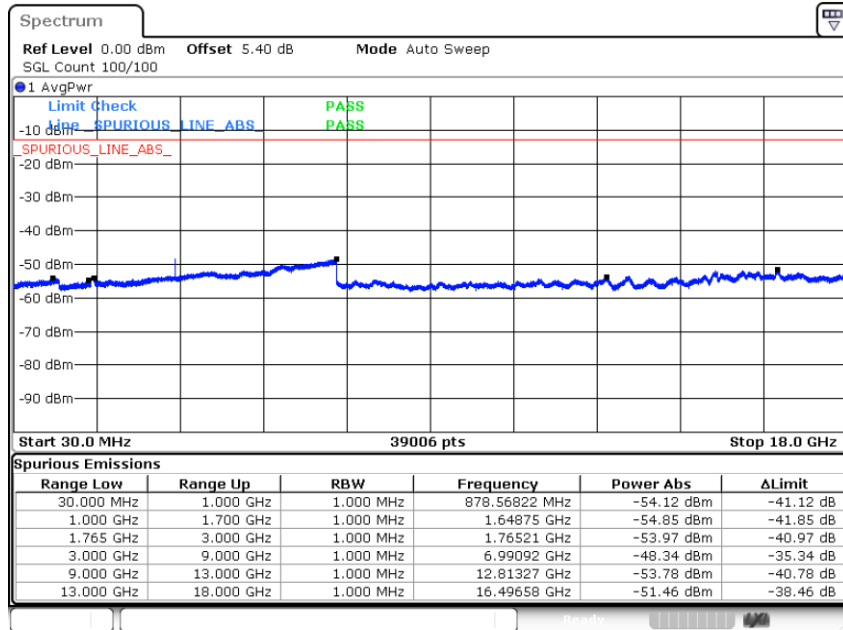
Middle Channel / QPSK



Date: 7.DEC.2021 03:51:28

Date: 7.DEC.2021 04:05:50

Highest Channel / QPSK

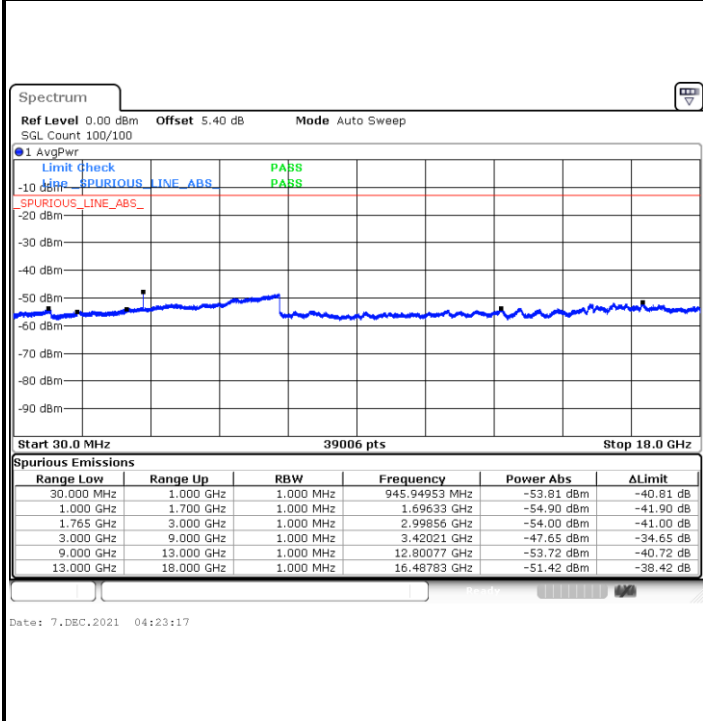


Date: 7.DEC.2021 04:08:48

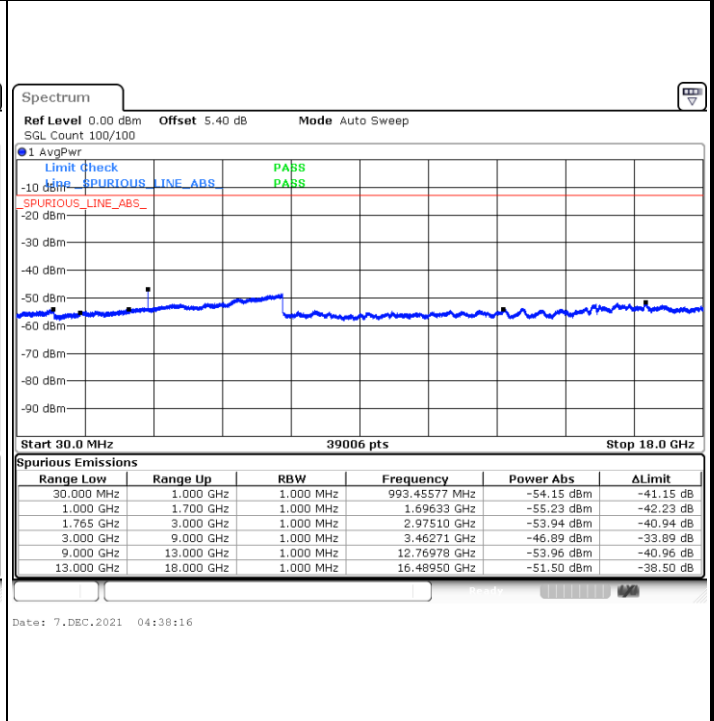


LTE Band 4 / 3MHz

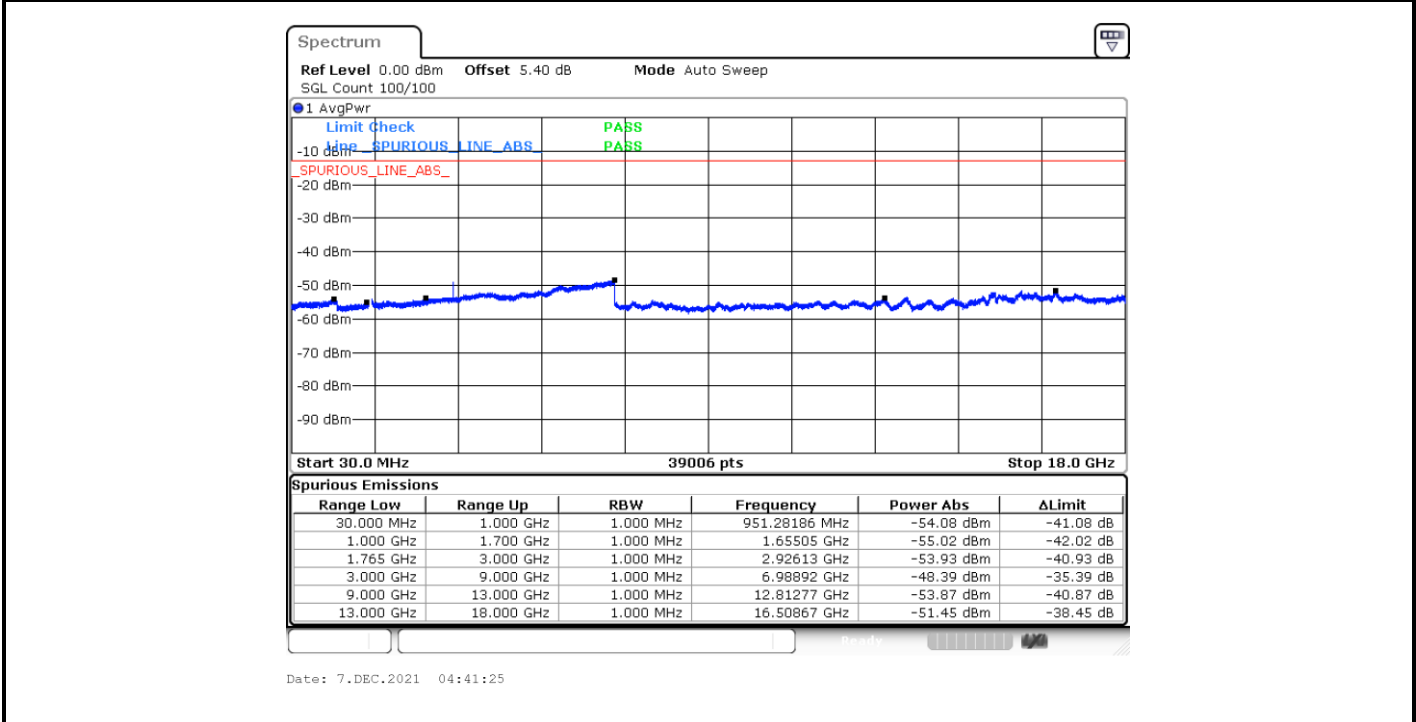
Lowest Channel / QPSK



Middle Channel / QPSK



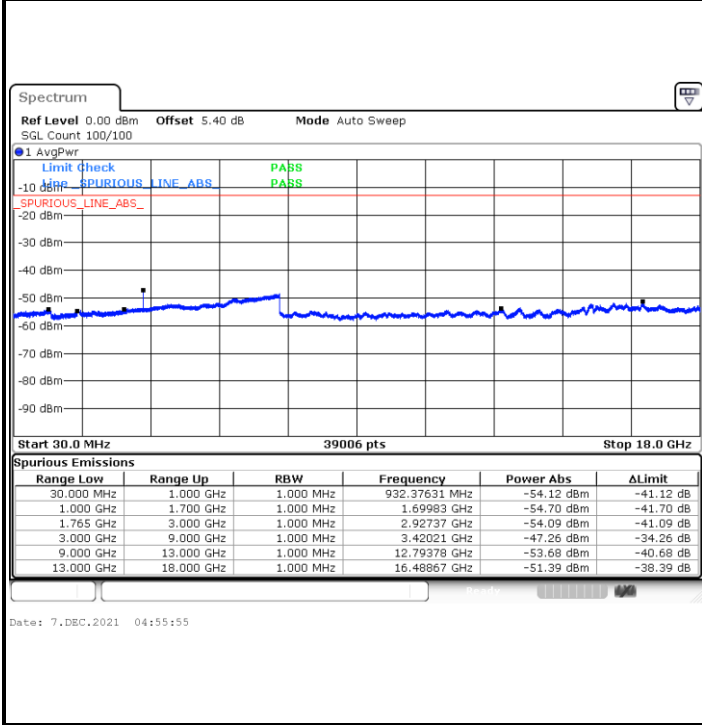
Highest Channel / QPSK



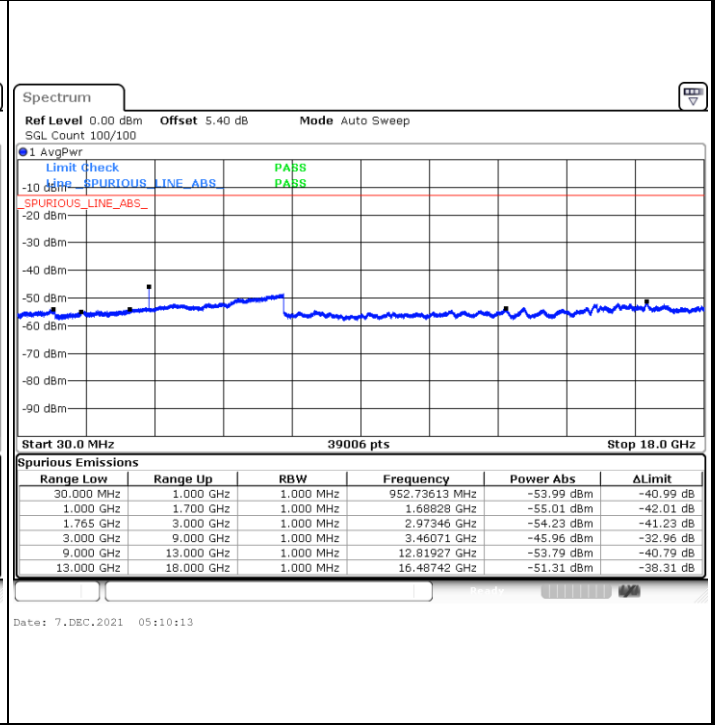


LTE Band 4 / 5MHz

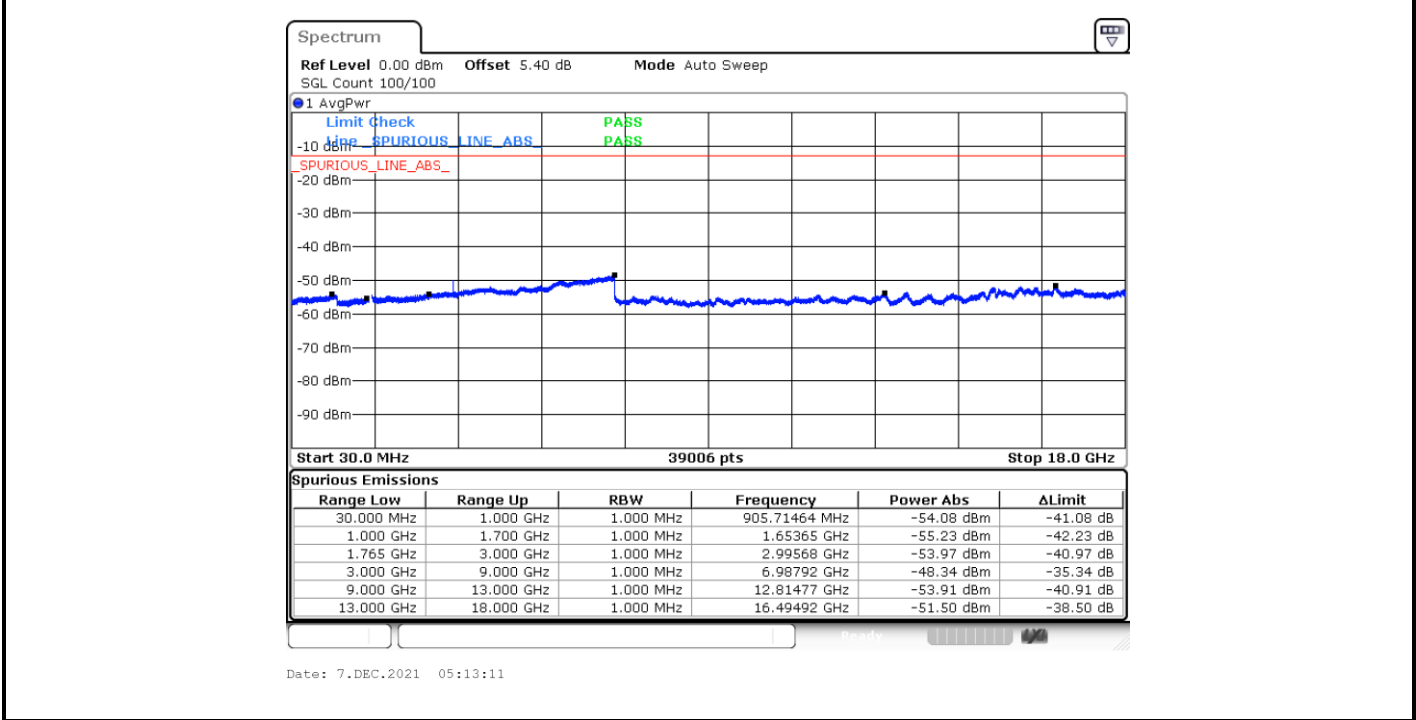
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

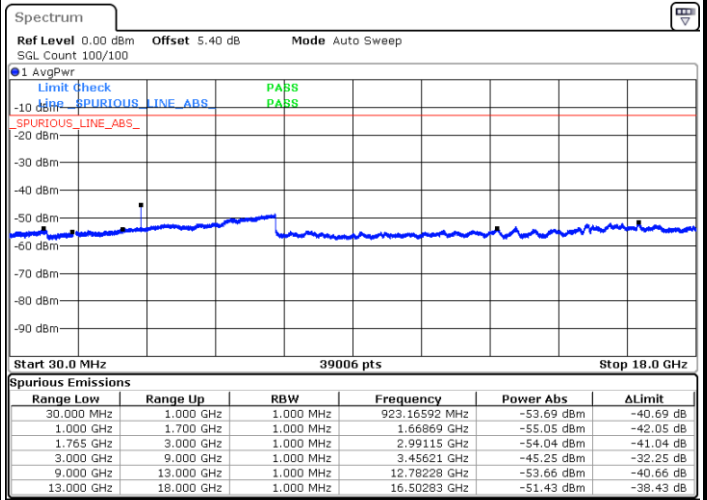
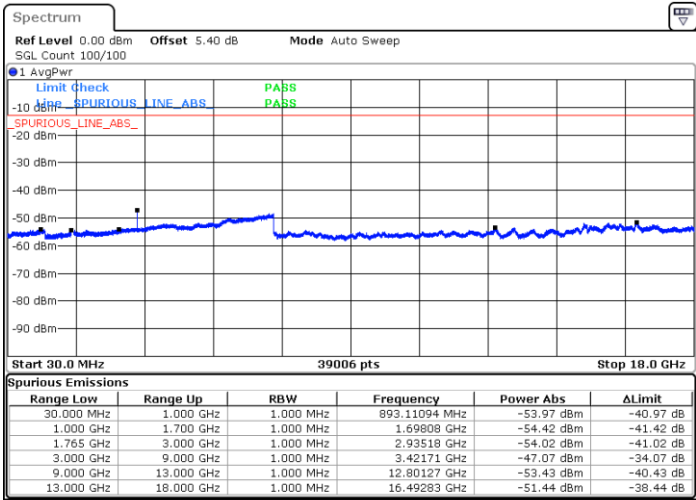




LTE Band 4 / 10MHz

Lowest Channel / QPSK

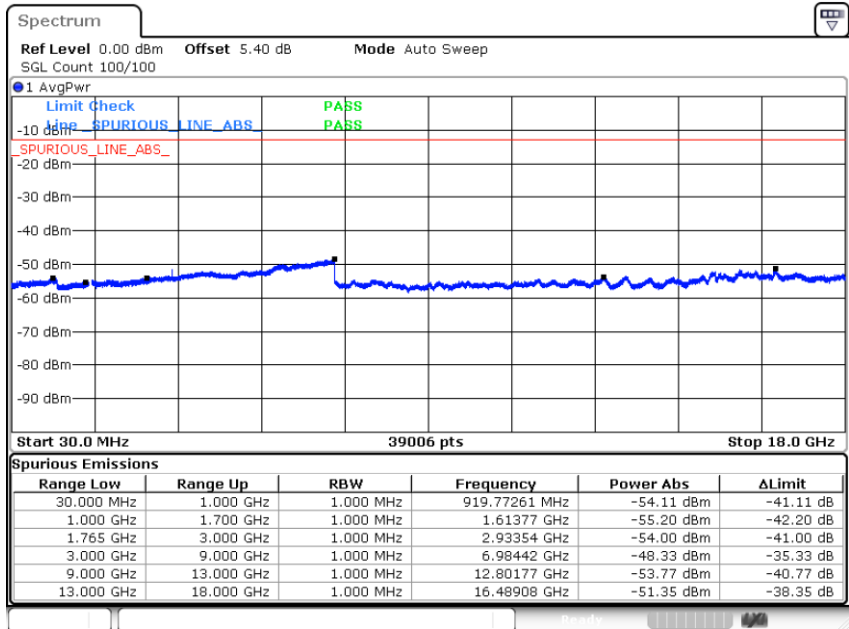
Middle Channel / QPSK



Date: 7.DEC.2021 05:27:40

Date: 7.DEC.2021 05:42:05

Highest Channel / QPSK



Date: 7.DEC.2021 05:45:05