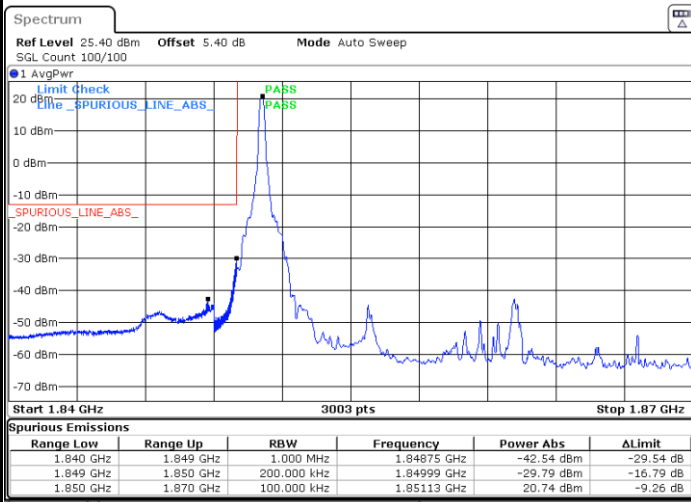




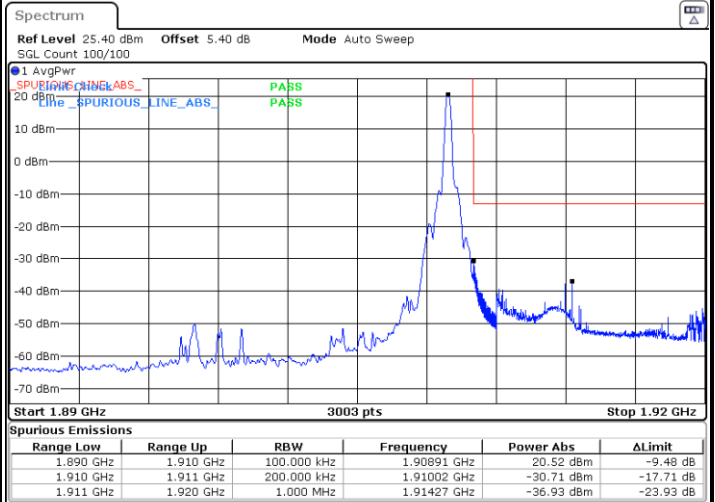
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



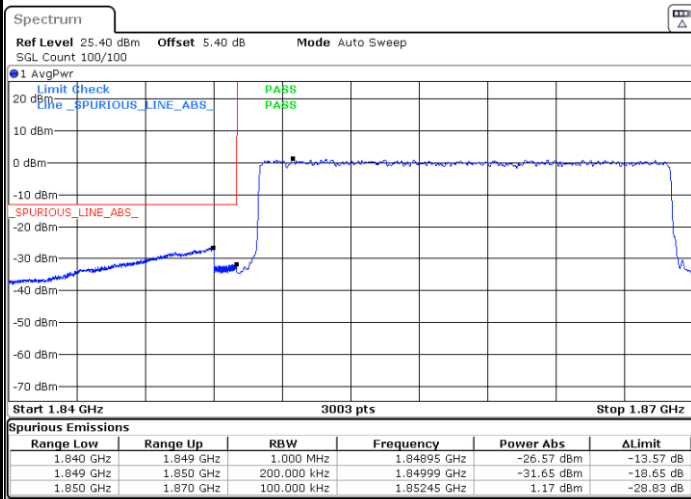
Date: 18.JAN.2022 23:43:10

Highest Band Edge / 1 RB



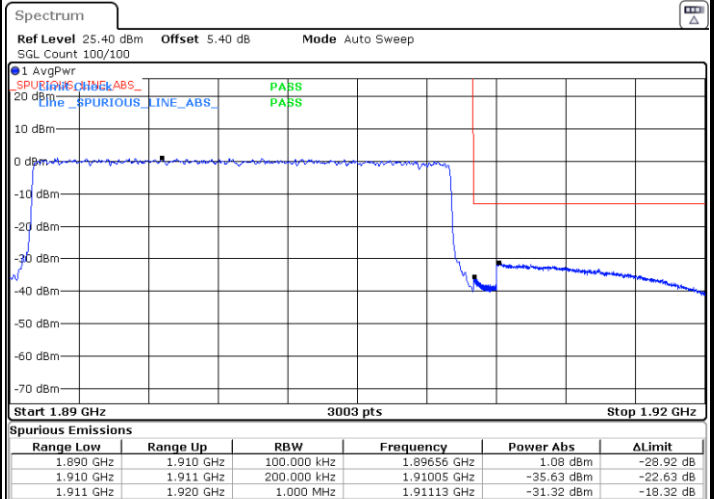
Date: 18.JAN.2022 23:48:33

Lowest Band Edge / Full RB



Date: 18.JAN.2022 23:45:52

Highest Band Edge / Full RB

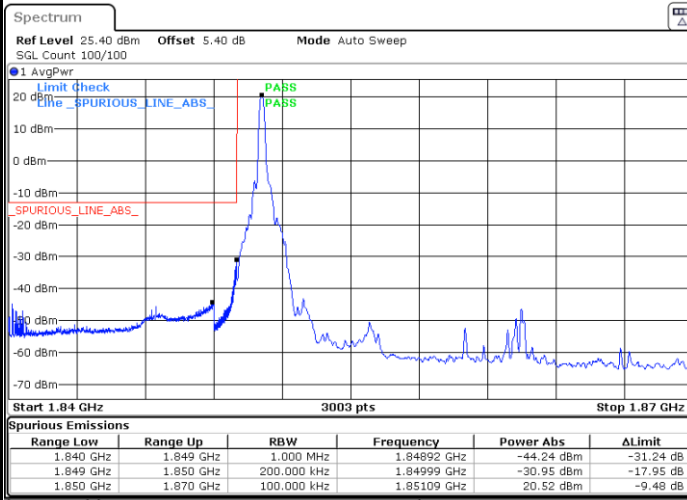


Date: 18.JAN.2022 23:51:15



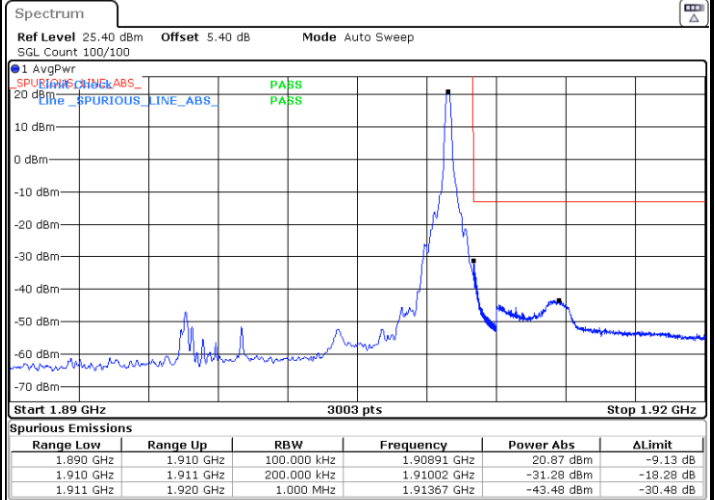
LTE Band 2 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



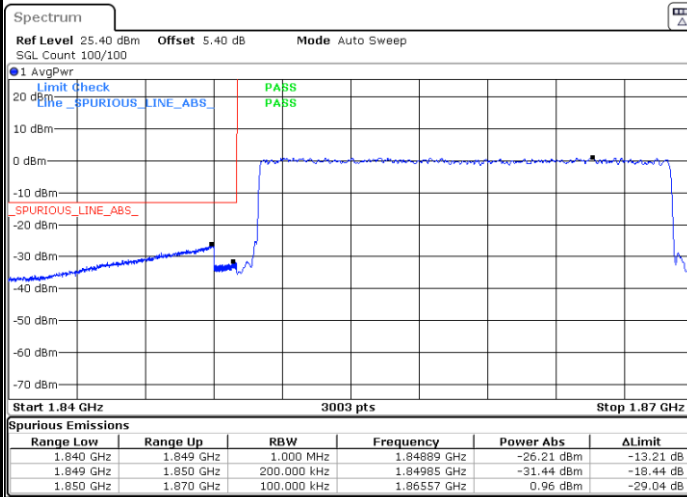
Date: 19 JAN 2022 00:19:49

Highest Band Edge / 1 RB



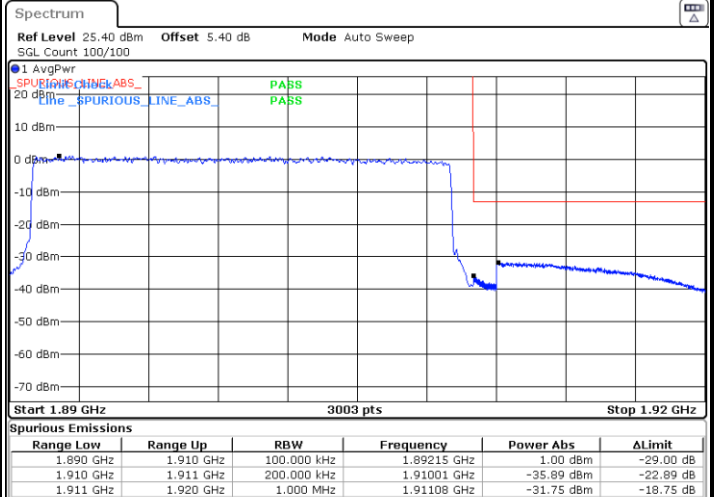
Date: 19 JAN 2022 00:22:32

Lowest Band Edge / Full RB



Date: 19 JAN 2022 00:21:10

Highest Band Edge / Full RB

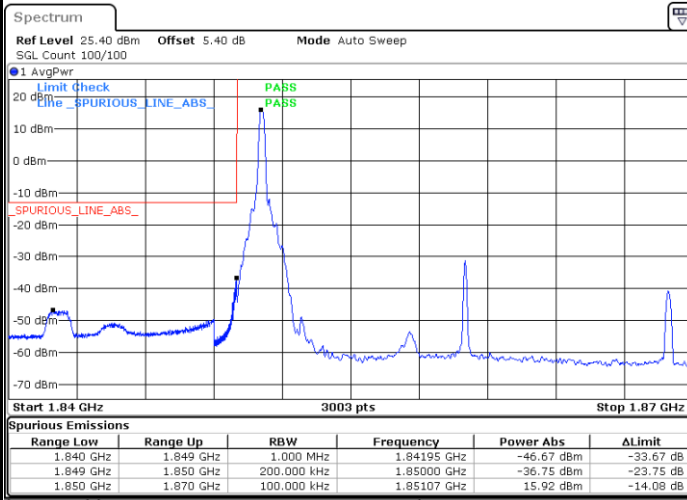


Date: 19 JAN 2022 00:23:54



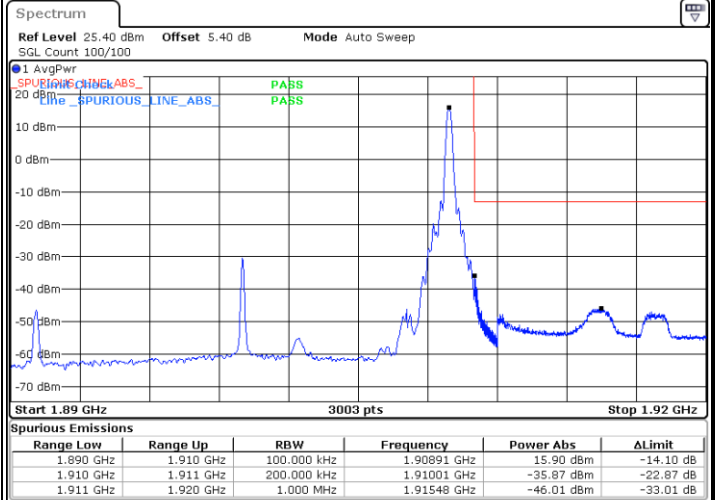
LTE Band 2 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



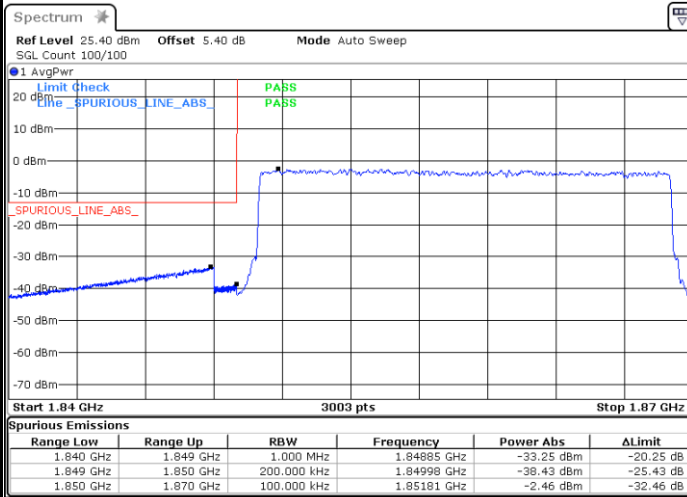
Date: 8.FEB.2022 10:31:38

Highest Band Edge / 1 RB



Date: 8.FEB.2022 10:35:14

Lowest Band Edge / Full RB



Date: 8.FEB.2022 10:40:11

Highest Band Edge / Full RB



Date: 8.FEB.2022 10:39:19



# Conducted Spurious Emission

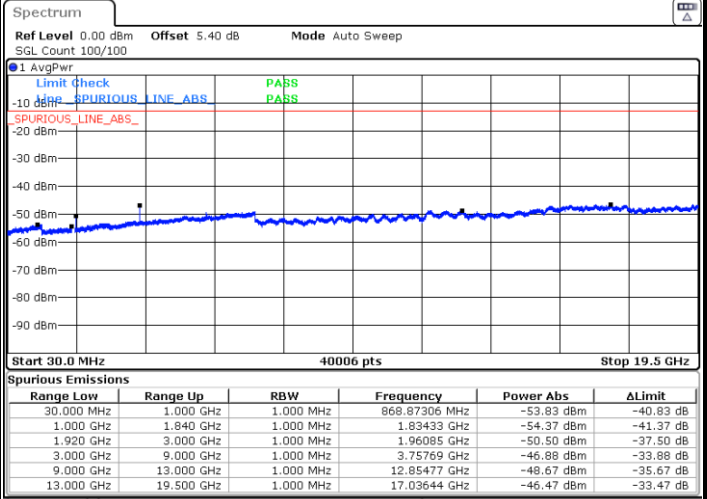
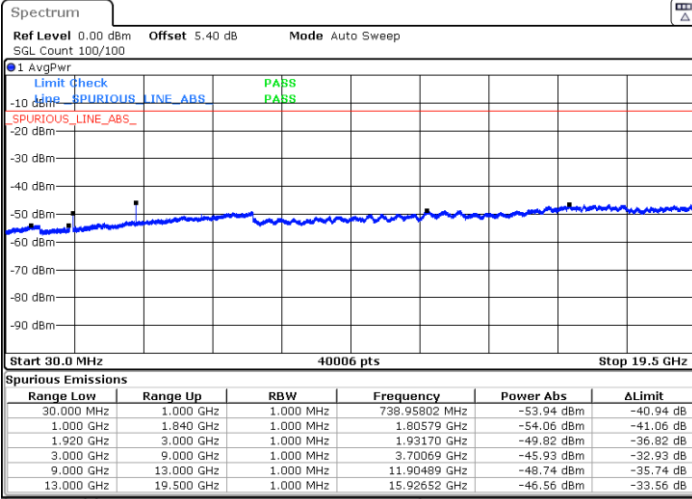




LTE Band 2 / 3MHz

Lowest Channel / QPSK

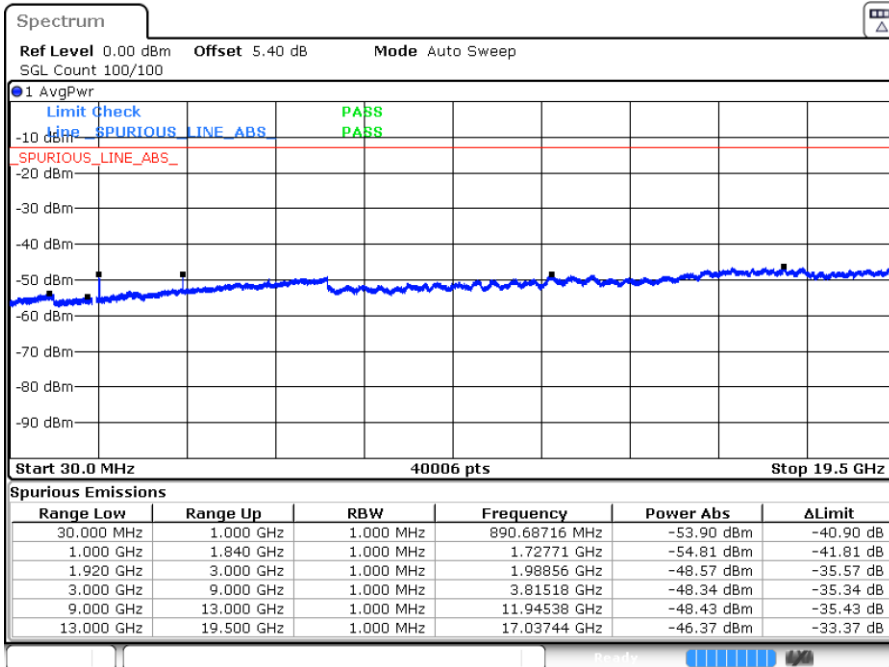
Middle Channel / QPSK



Date: 19 JAN 2022 00:33:21

Date: 19 JAN 2022 00:35:43

Highest Channel / QPSK



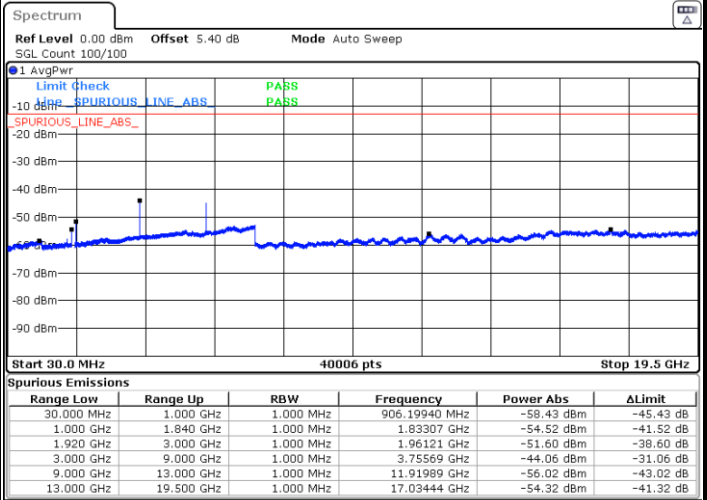
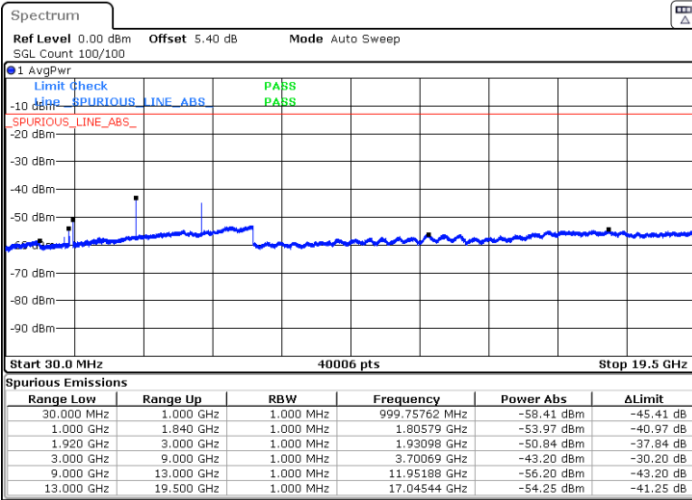
Date: 19 JAN 2022 00:38:03



LTE Band 2 / 5MHz

Lowest Channel / QPSK

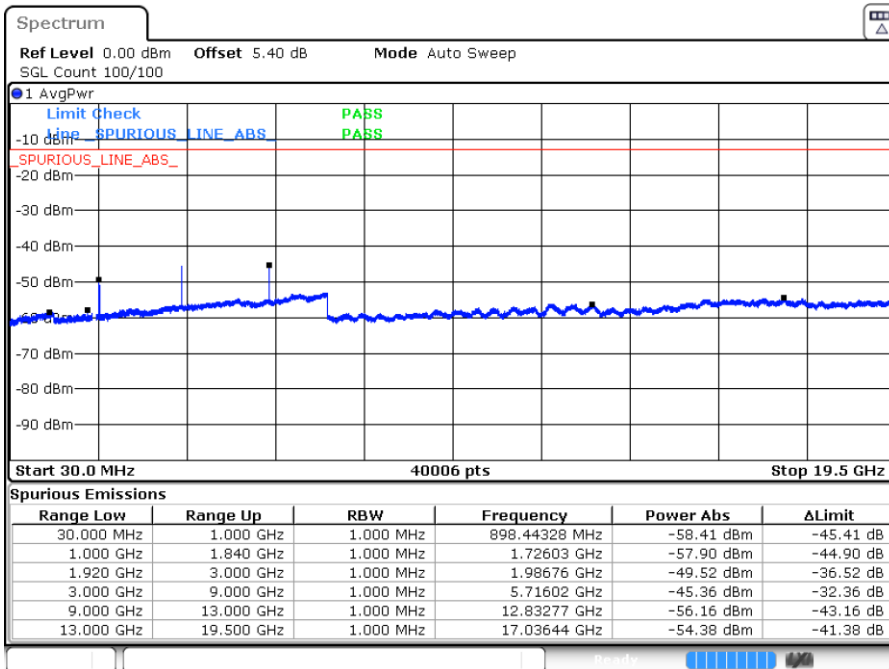
Middle Channel / QPSK



Date: 19 JAN 2022 00:40:26

Date: 19 JAN 2022 00:42:47

Highest Channel / QPSK

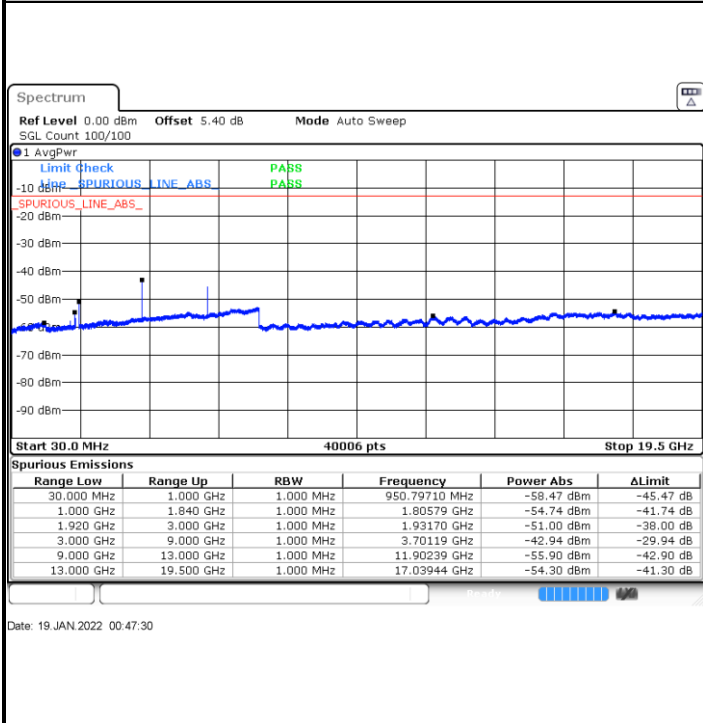


Date: 19 JAN 2022 00:45:08

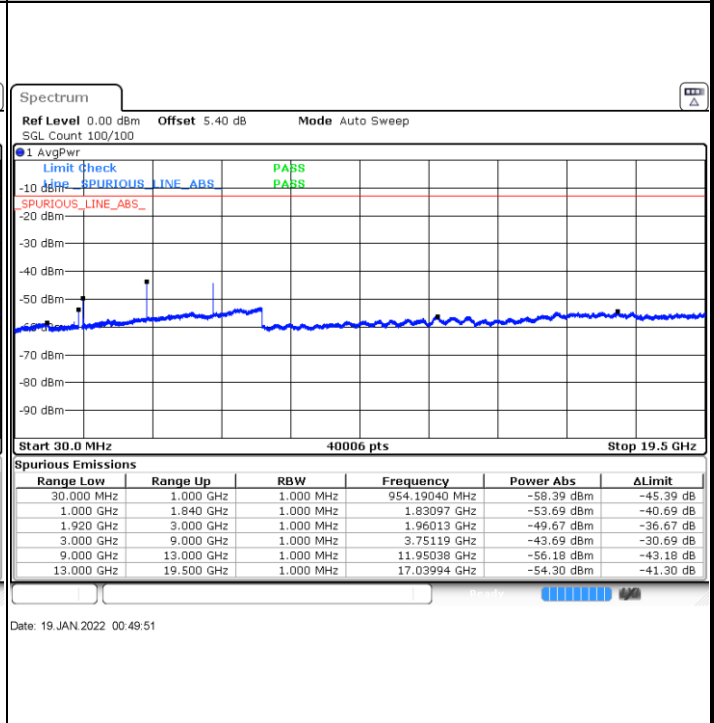


**LTE Band 2 / 10MHz**

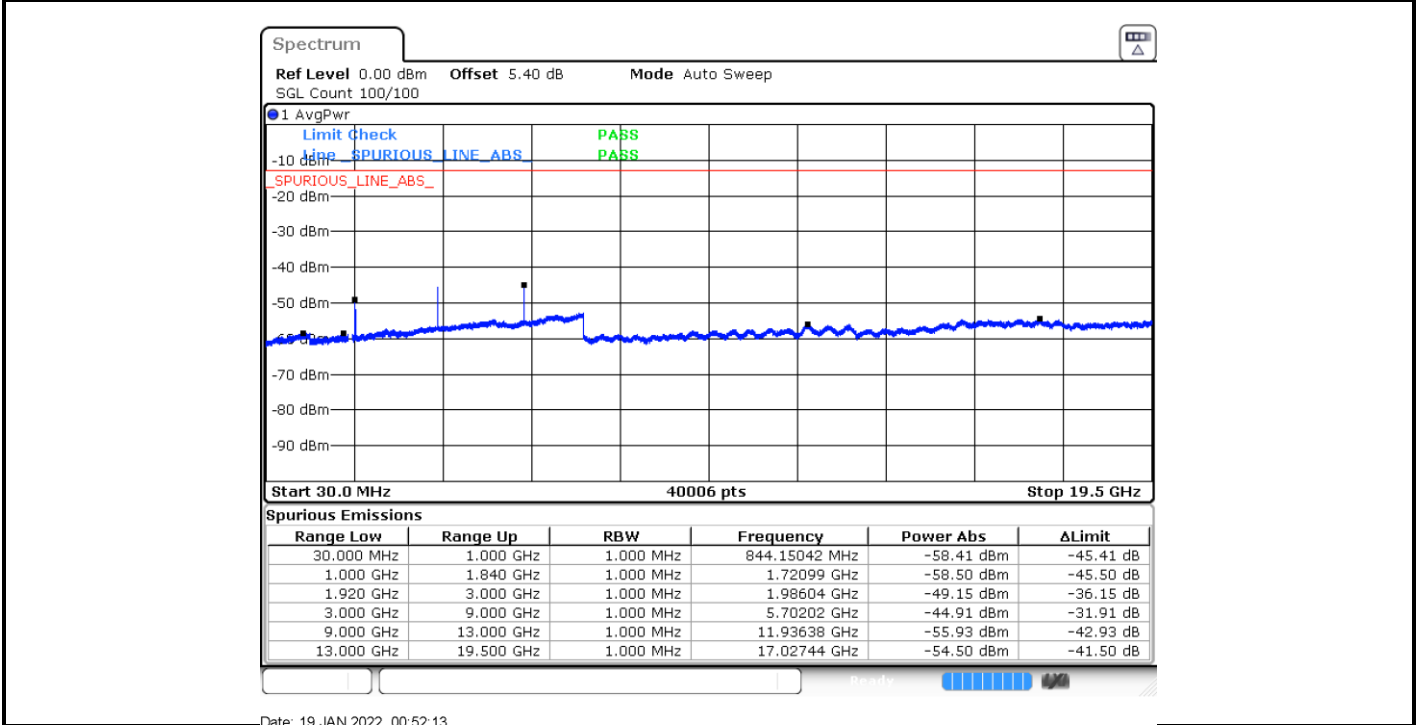
**Lowest Channel / QPSK**



**Middle Channel / QPSK**



**Highest Channel / QPSK**

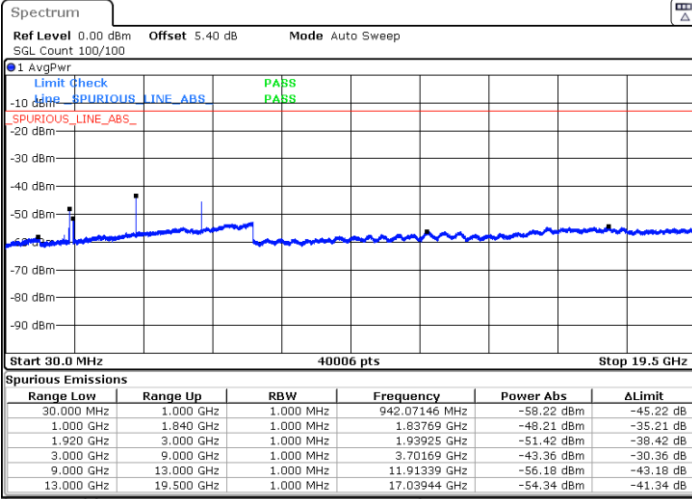




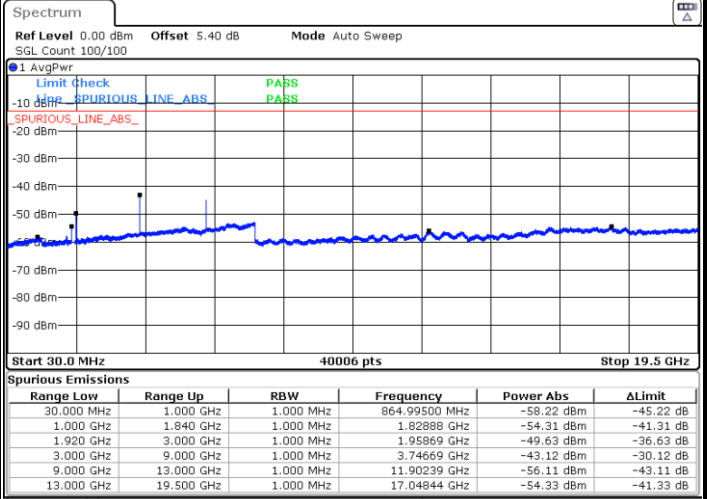
LTE Band 2 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

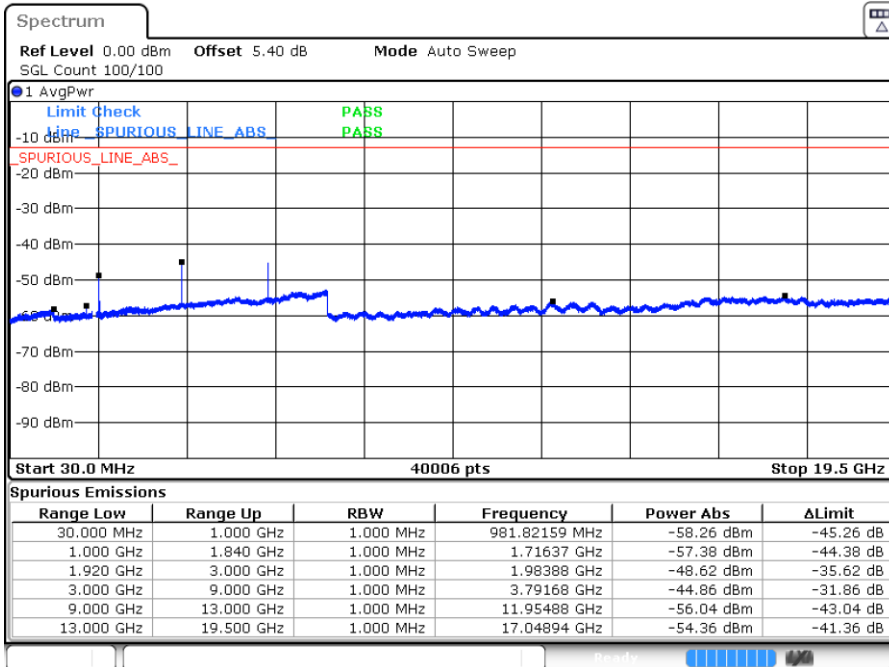


Date: 19 JAN 2022 00:54:35



Date: 19 JAN 2022 00:56:56

Highest Channel / QPSK



Date: 19 JAN 2022 00:59:17

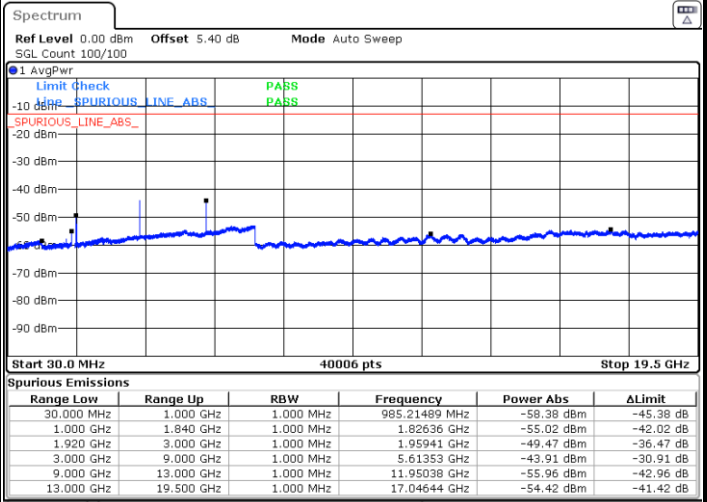
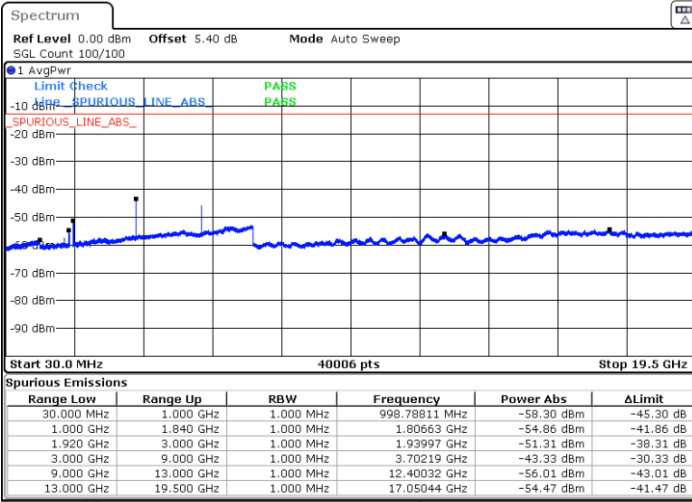




LTE Band 2 / 20MHz

Lowest Channel / QPSK

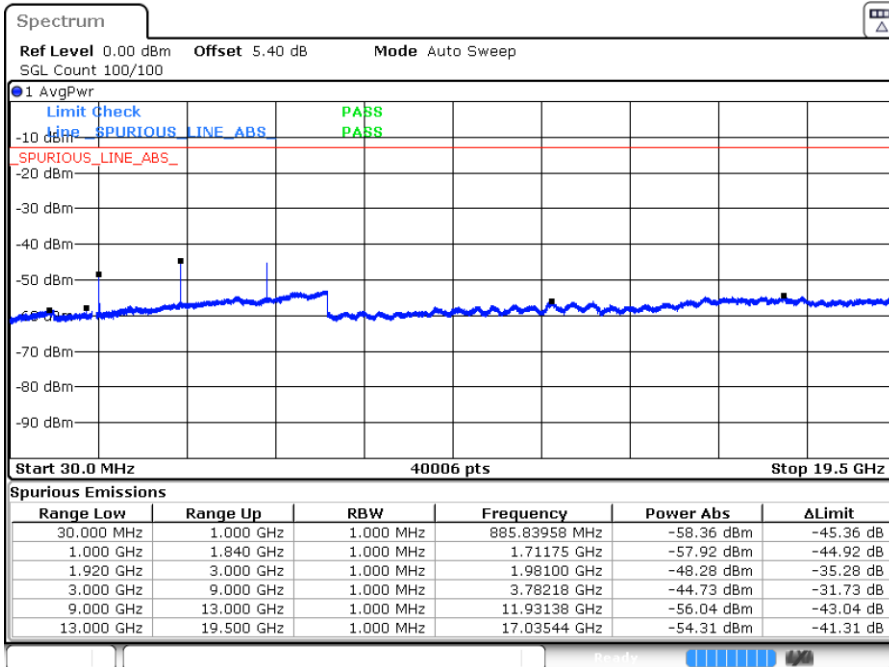
Middle Channel / QPSK



Date: 19 JAN 2022 01:01:39

Date: 19 JAN 2022 01:04:00

Highest Channel / QPSK



Date: 19 JAN 2022 01:08:21



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	0.0027	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0011	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0022	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0011	
20	Battery End Point	0.0008	

Note:

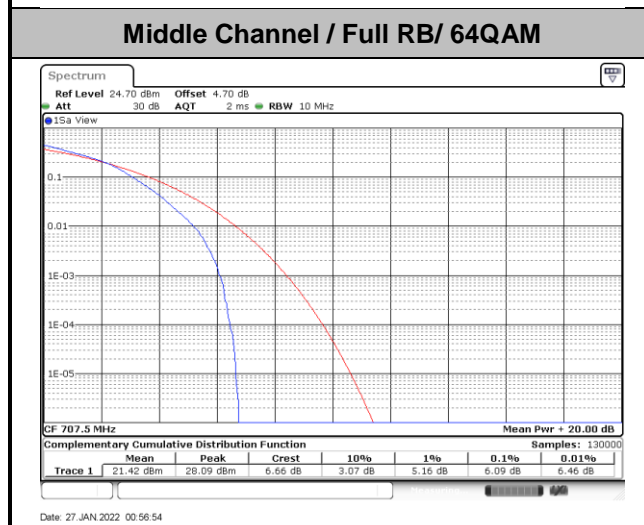
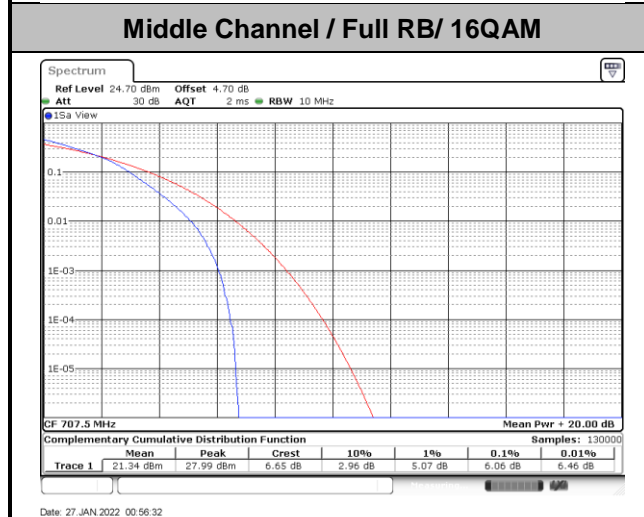
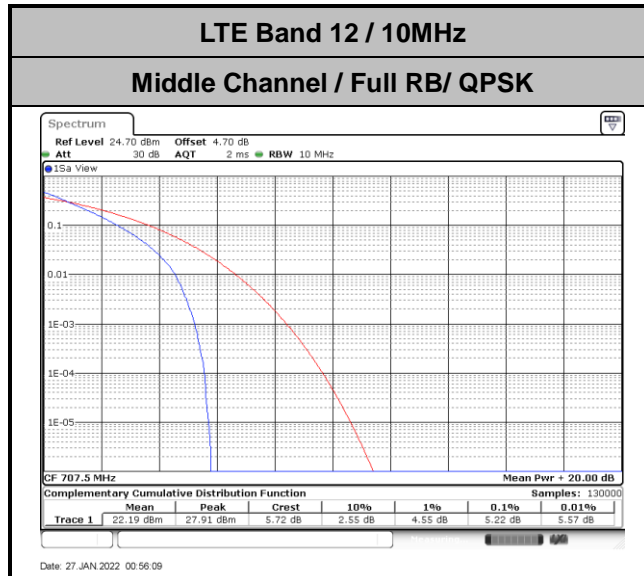
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

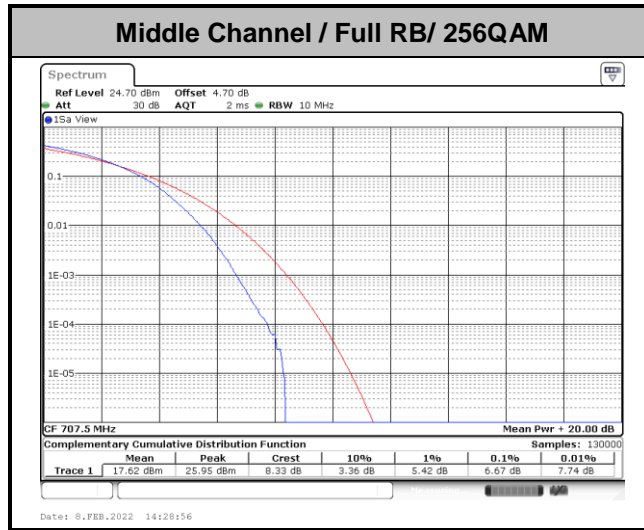


## LTE Band 12

### Peak-to-Average Ratio

Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.22	6.06	6.09	PASS
Mode	LTE Band 12 / 10MHz			
Mod.	256QAM			Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	6.67			PASS

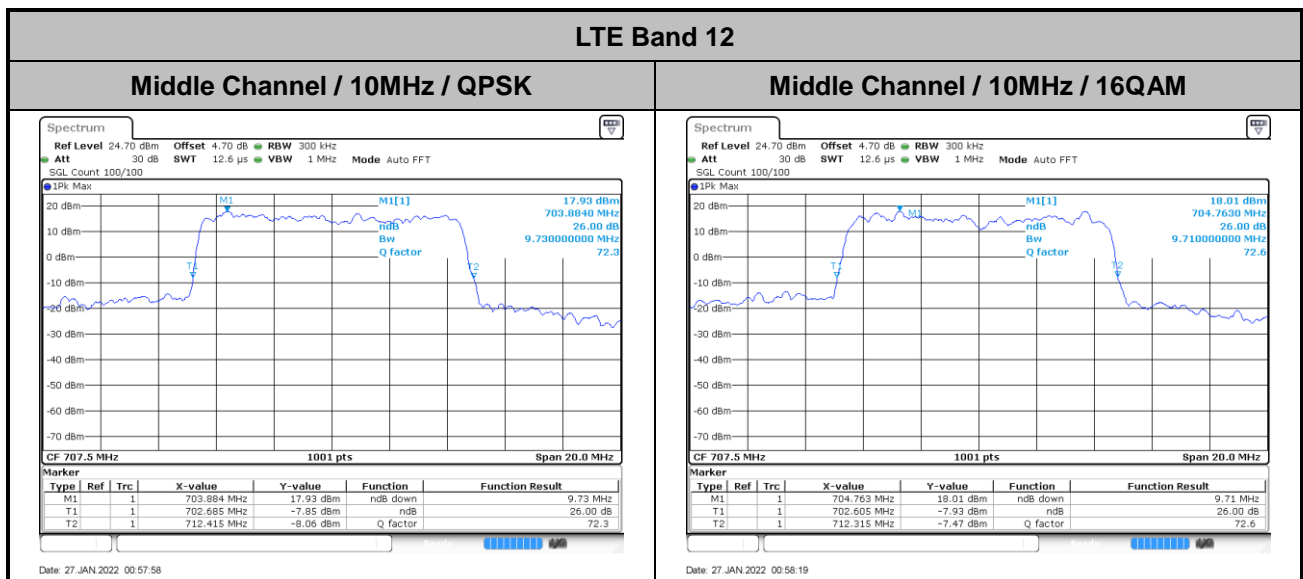






**26dB Bandwidth**

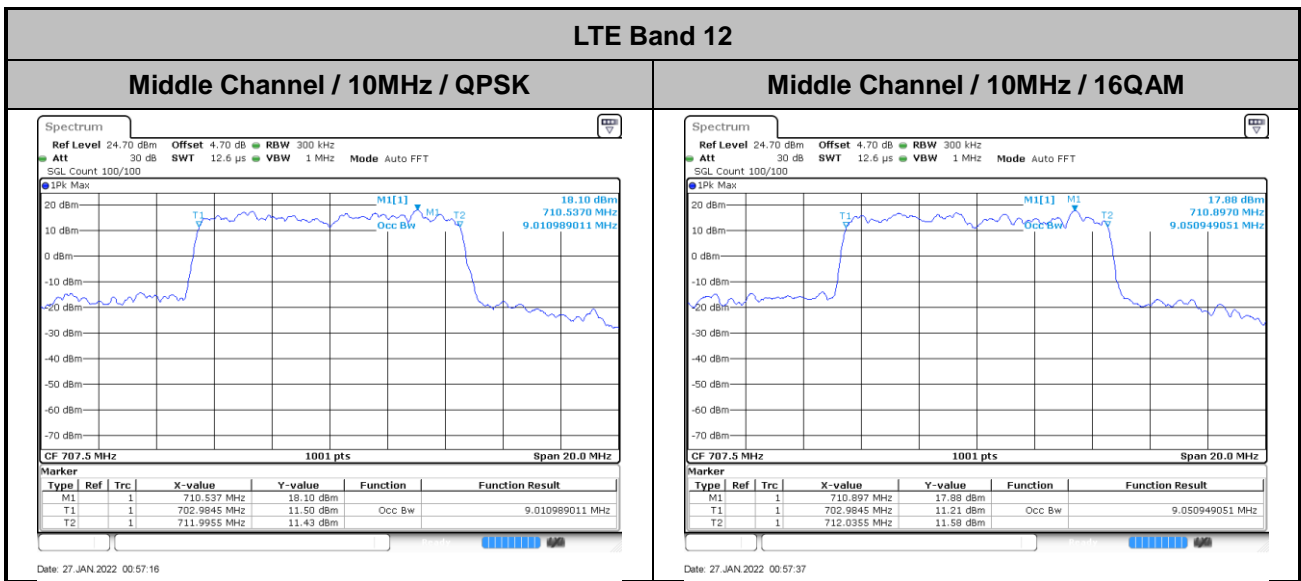
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.73	9.71





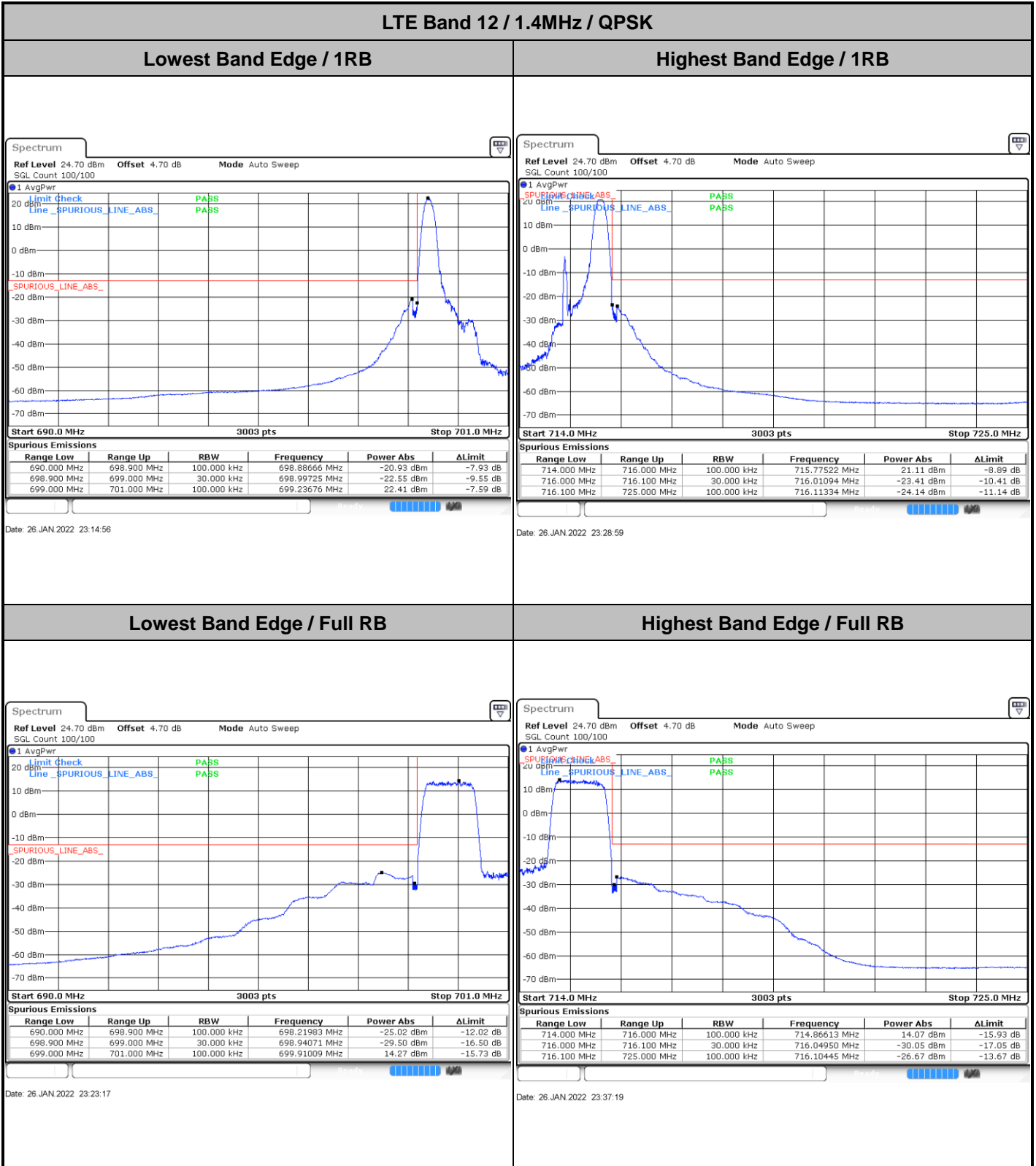
# Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.05





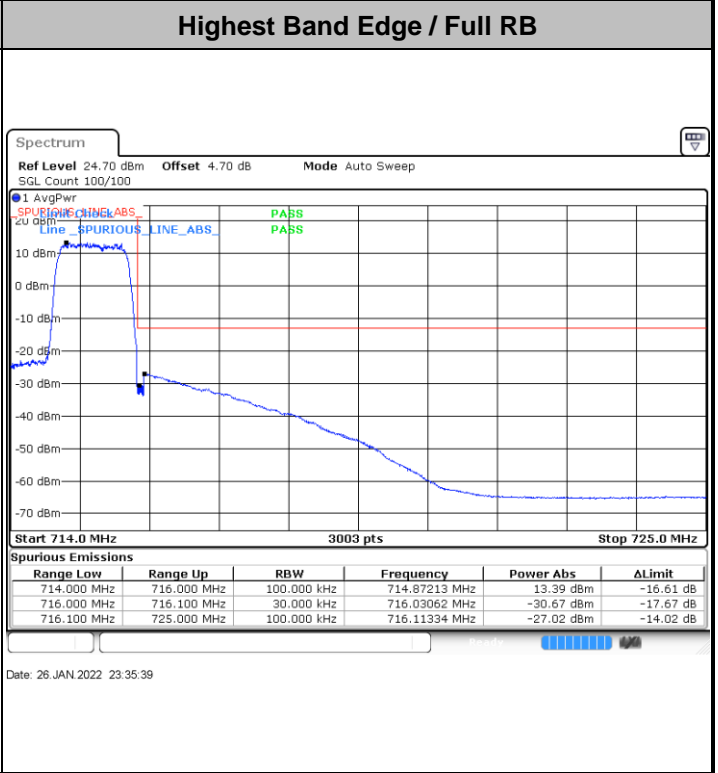
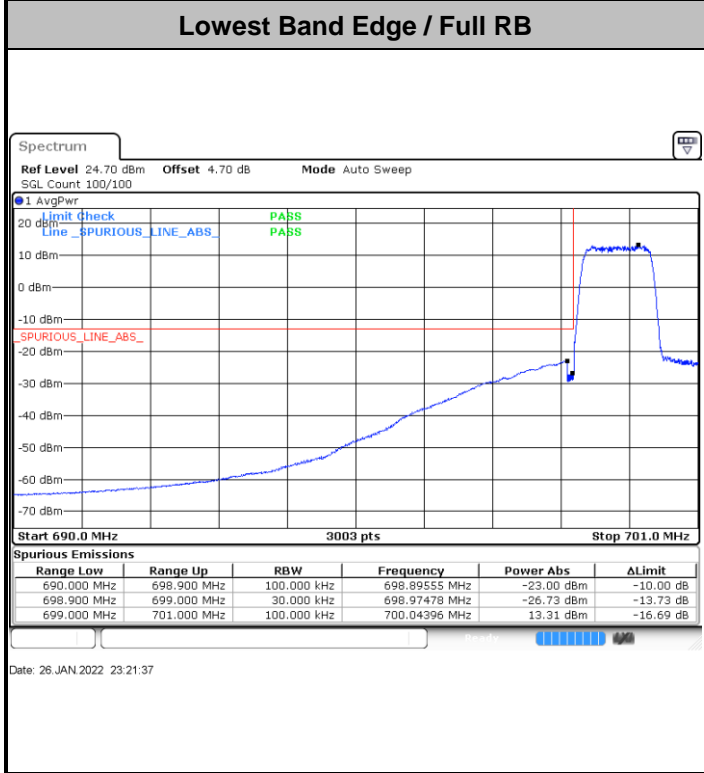
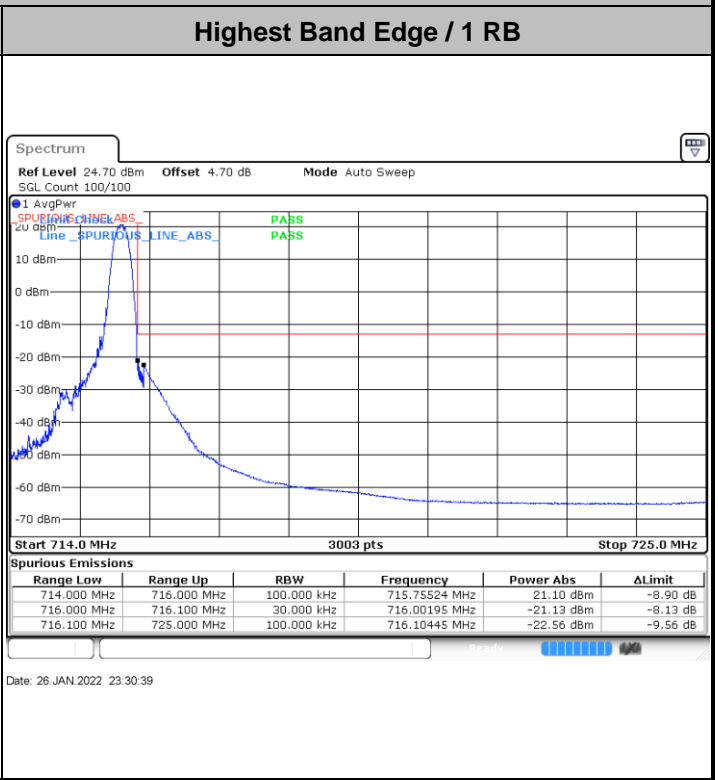
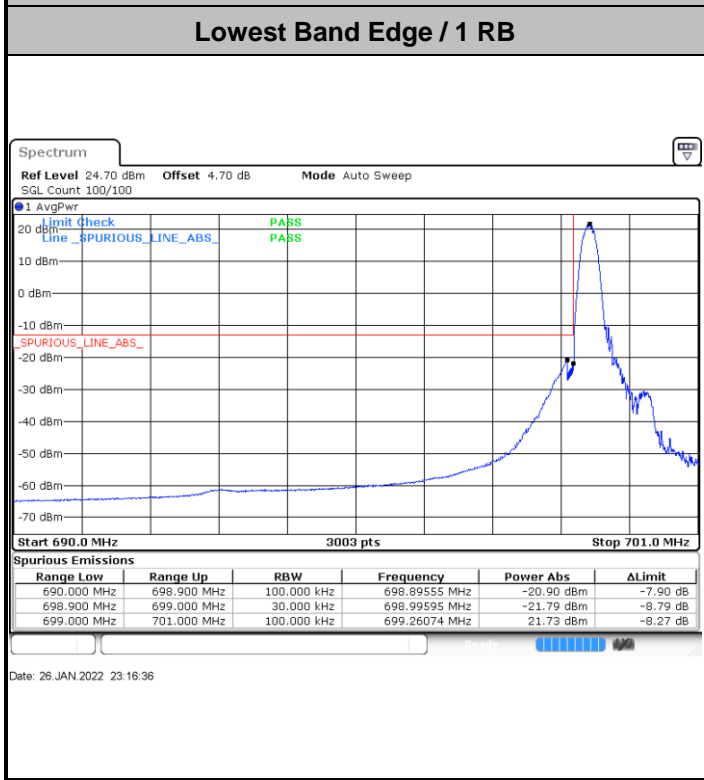
# Conducted Band Edge







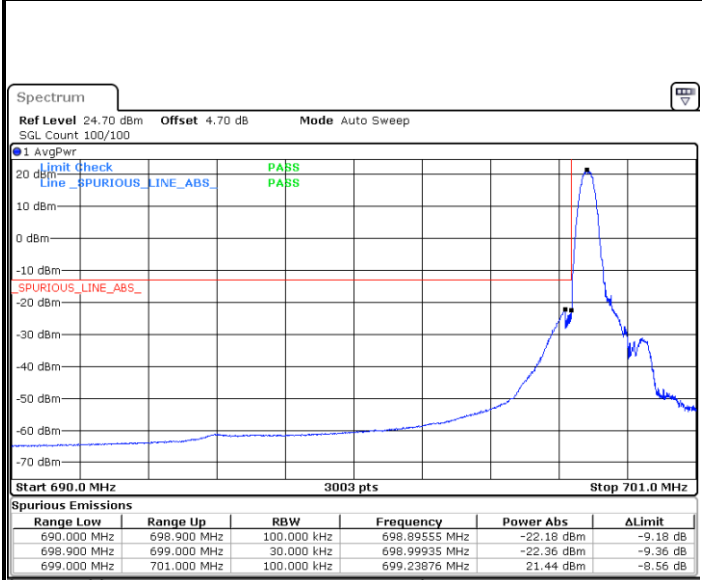
**LTE Band 12 / 1.4MHz / 16QAM**





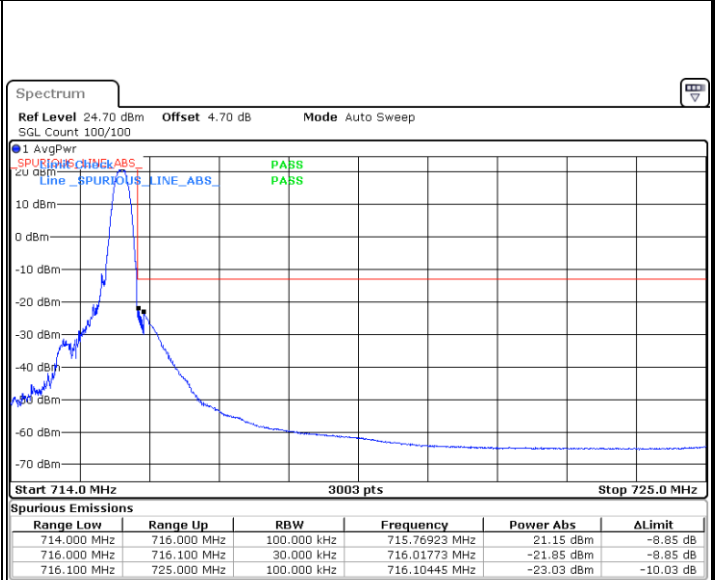
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



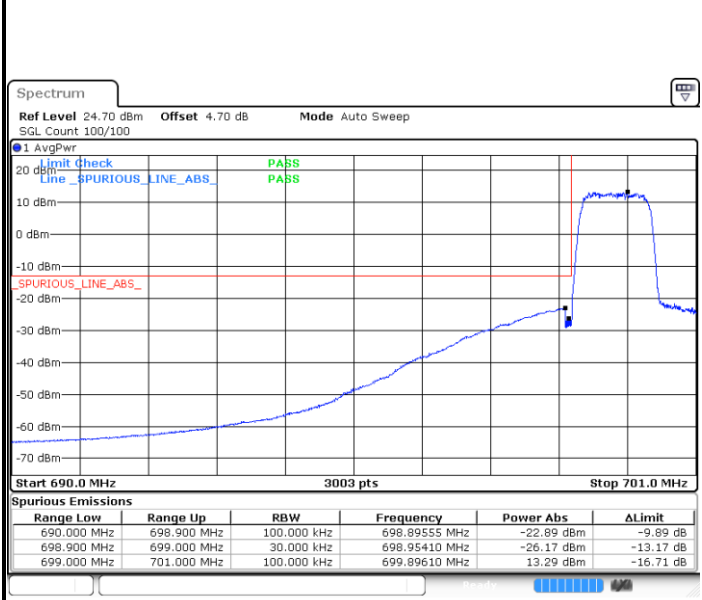
Date: 26 JAN 2022 23:18:17

Highest Band Edge / 1 RB



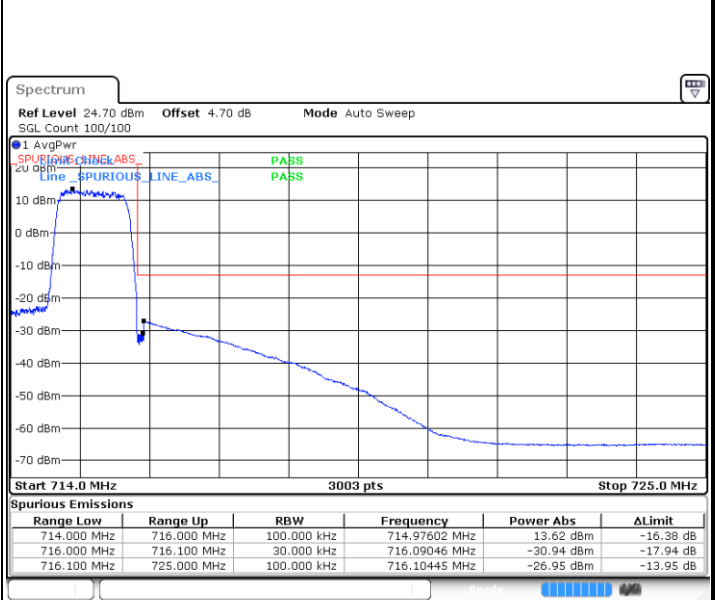
Date: 26 JAN 2022 23:32:19

Lowest Band Edge / Full RB



Date: 26 JAN 2022 23:19:57

Highest Band Edge / Full RB



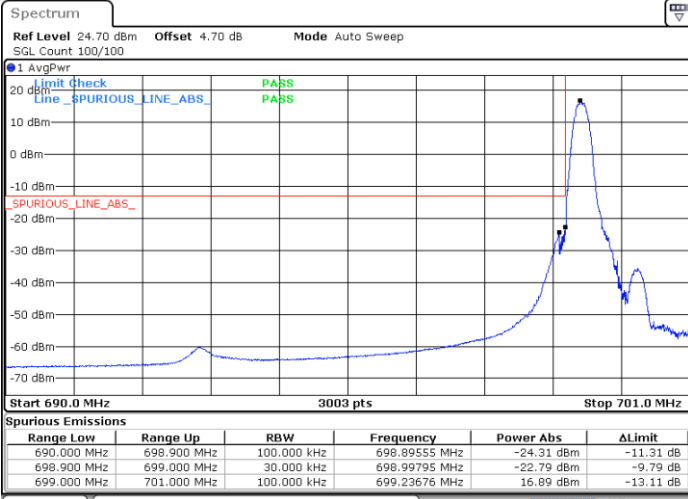
Date: 26 JAN 2022 23:33:59



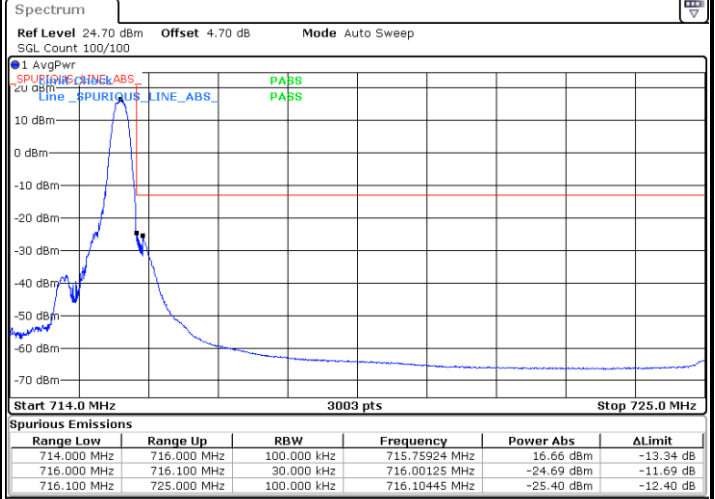
LTE Band 12 / 1.4MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



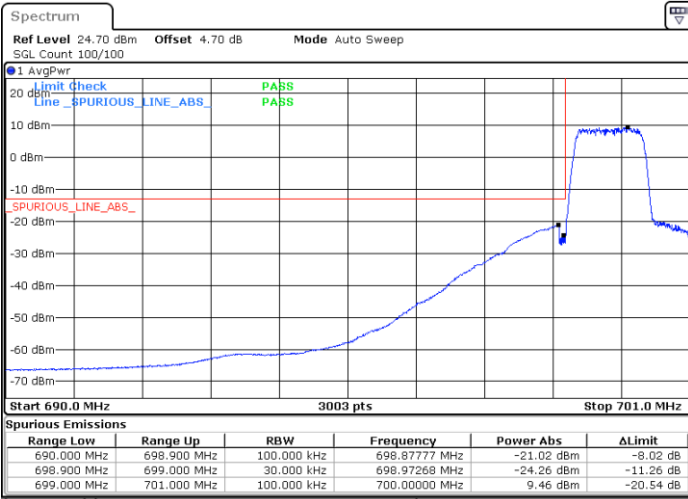
Date: 8.FEB.2022 13:51:41



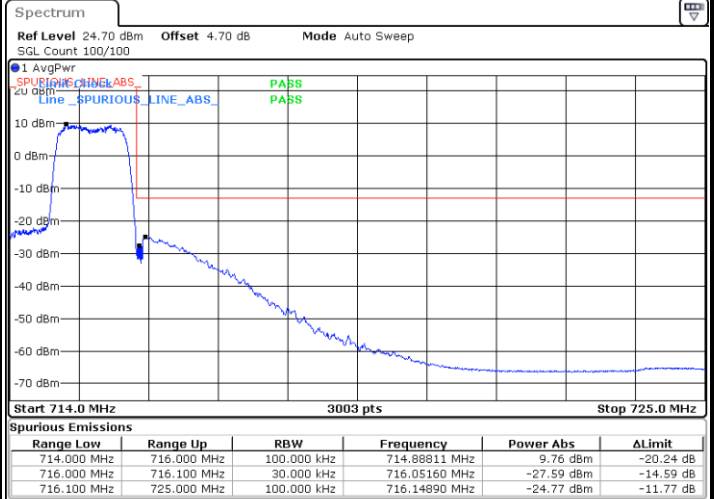
Date: 8.FEB.2022 13:54:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.FEB.2022 13:50:03

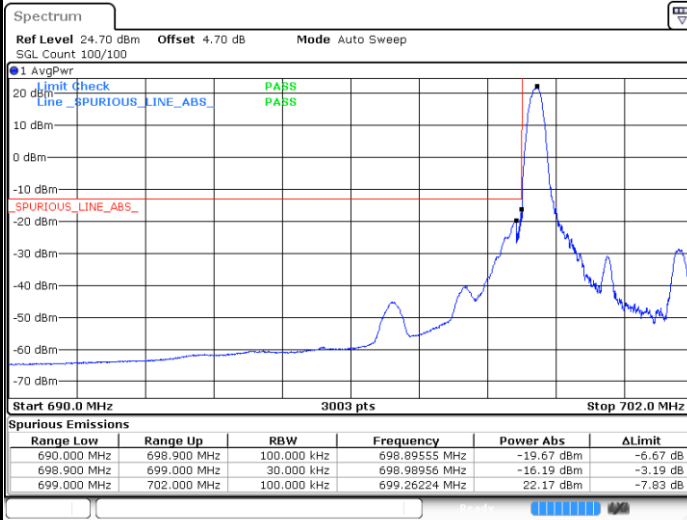


Date: 8.FEB.2022 13:55:16



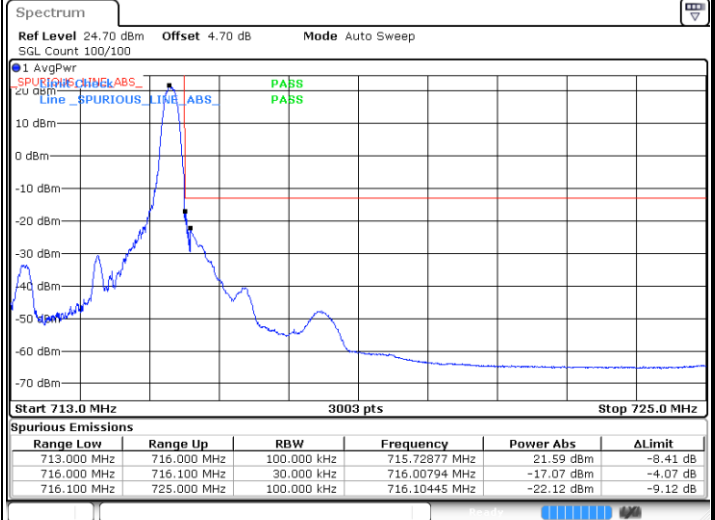
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



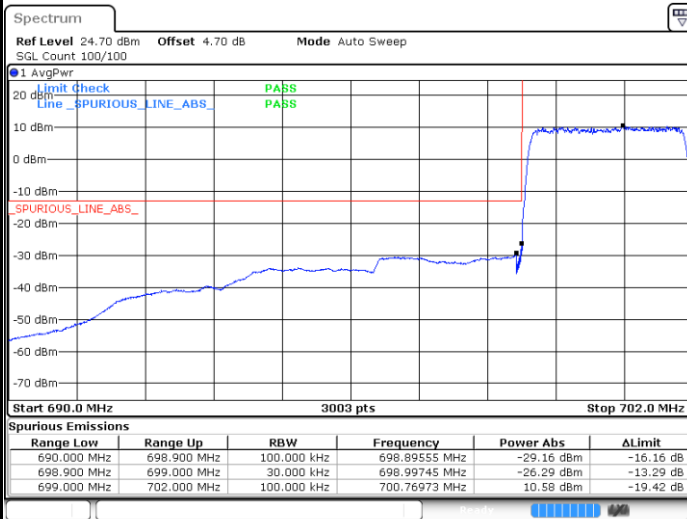
Date: 26 JAN 2022 23:41:01

Highest Band Edge / 1 RB



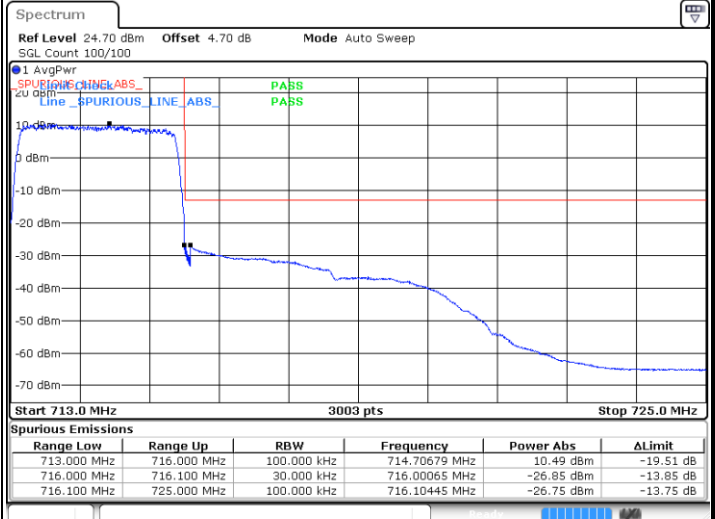
Date: 26 JAN 2022 23:55:03

Lowest Band Edge / Full RB



Date: 26 JAN 2022 23:49:22

Highest Band Edge / Full RB

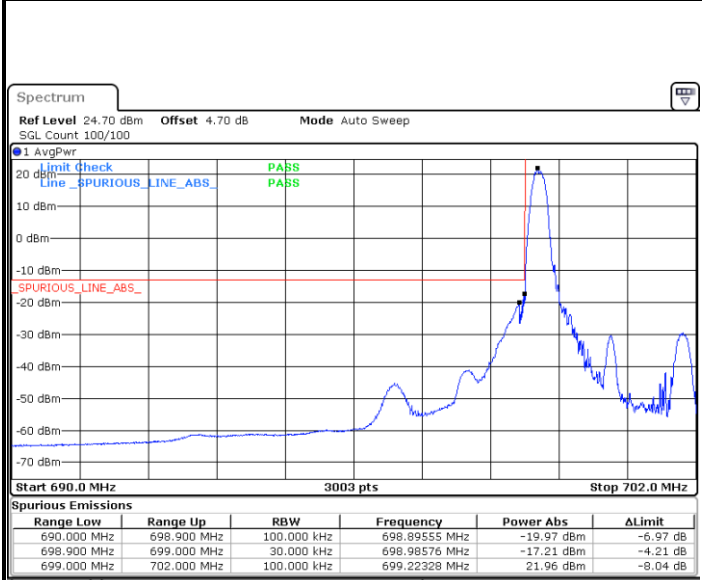


Date: 27 JAN 2022 00:03:24



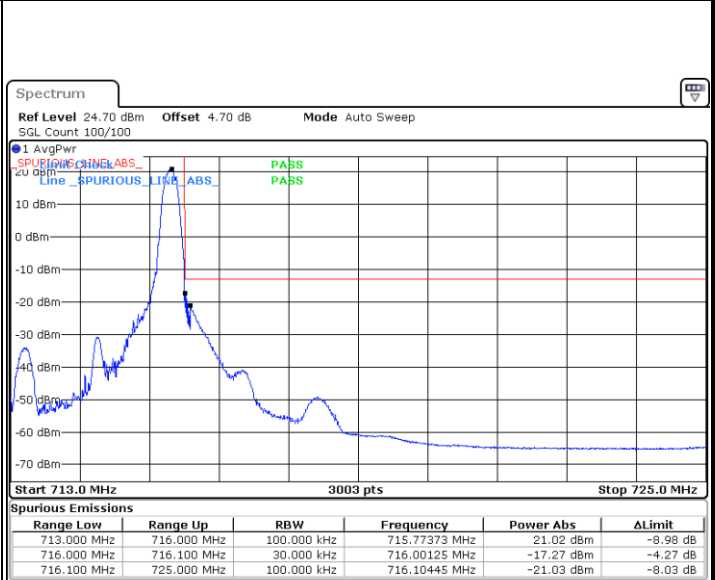
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



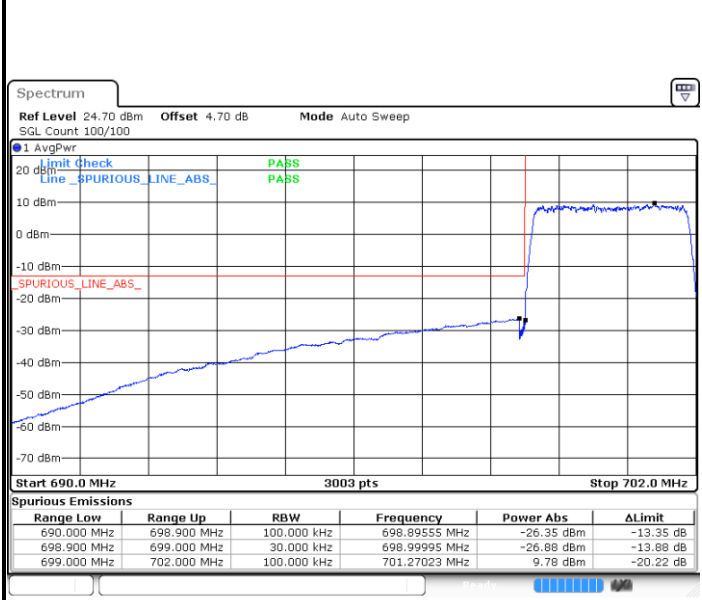
Date: 26 JAN 2022 23:42:41

Highest Band Edge / 1 RB



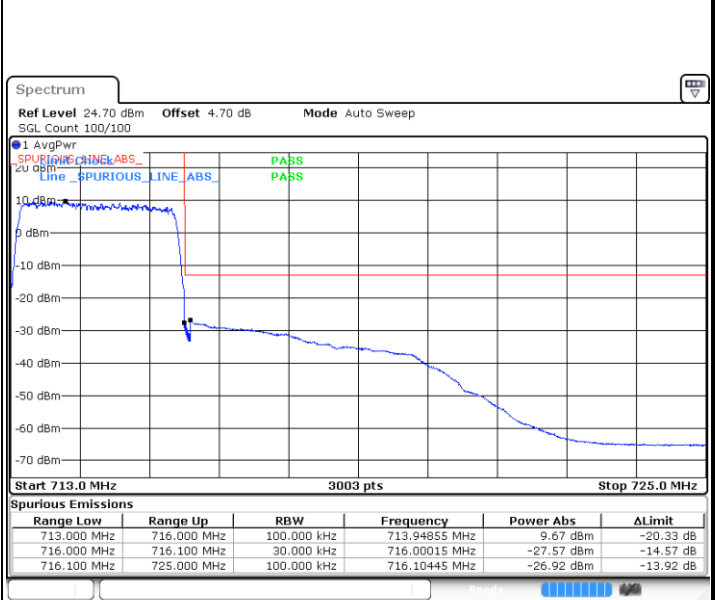
Date: 26 JAN 2022 23:56:44

Lowest Band Edge / Full RB



Date: 26 JAN 2022 23:47:42

Highest Band Edge / Full RB

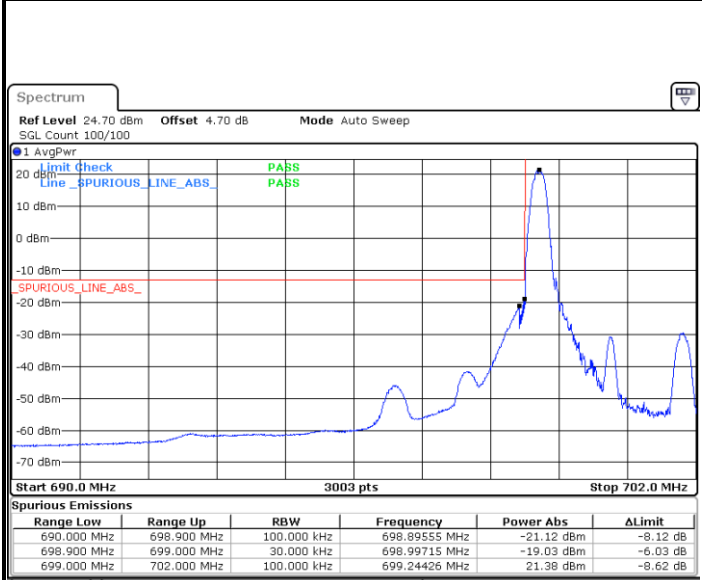


Date: 27 JAN 2022 00:01:44



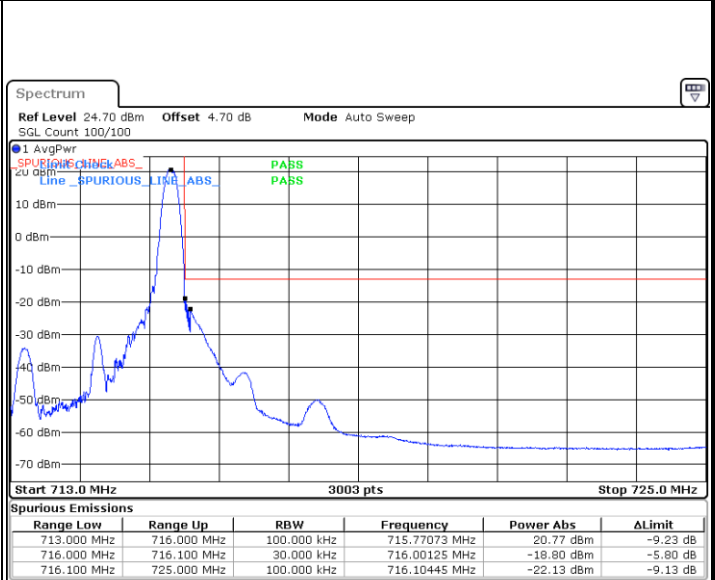
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



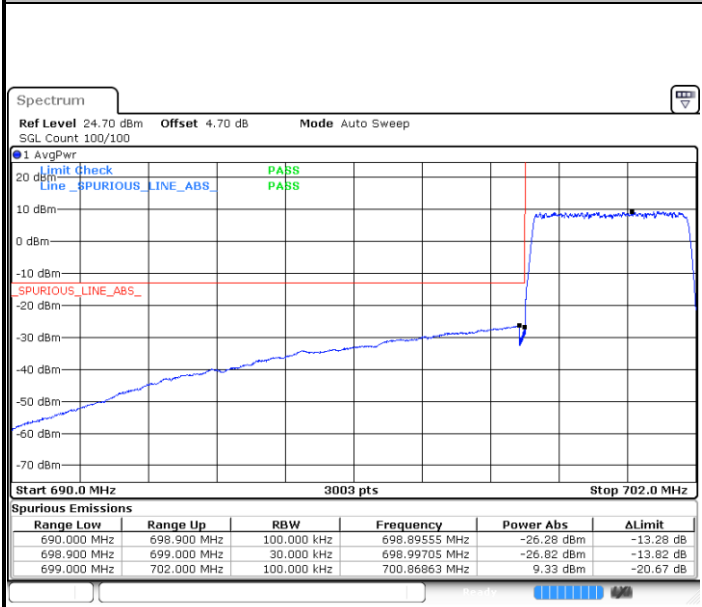
Date: 26 JAN 2022 23:44:21

Highest Band Edge / 1 RB



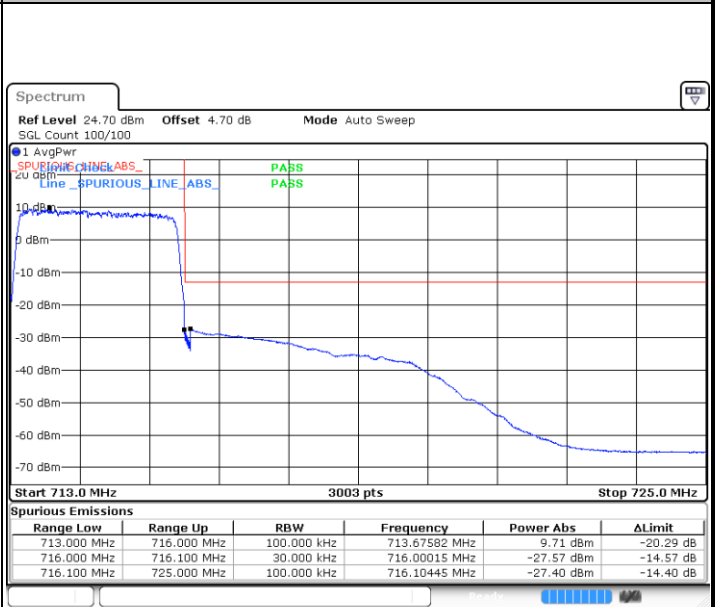
Date: 26 JAN 2022 23:58:24

Lowest Band Edge / Full RB



Date: 26 JAN 2022 23:46:02

Highest Band Edge / Full RB



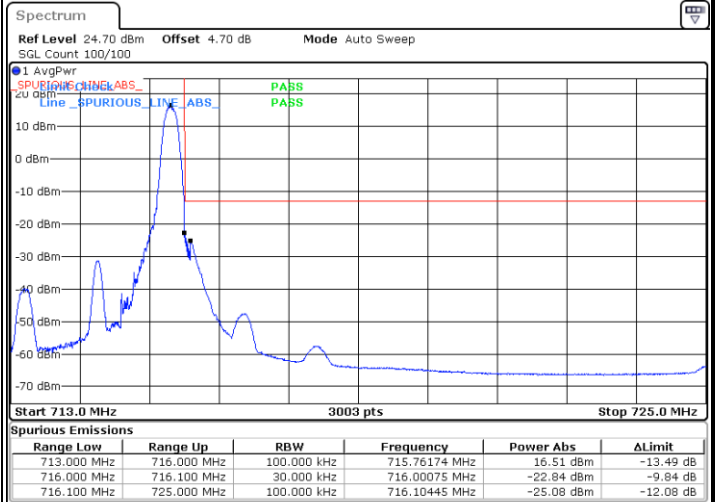
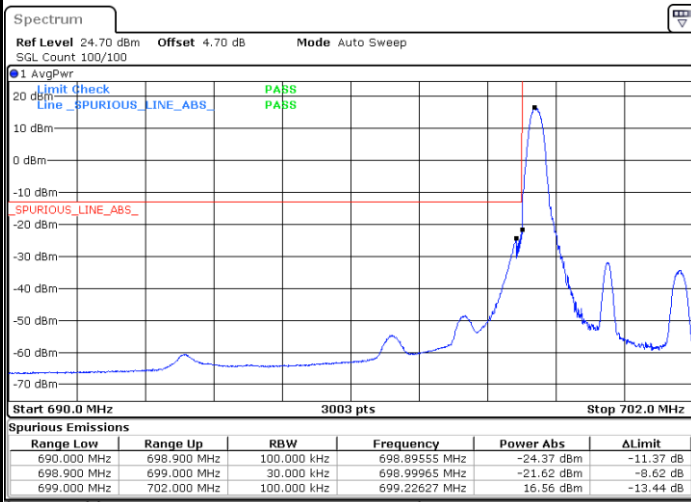
Date: 27 JAN 2022 00:00:04



LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

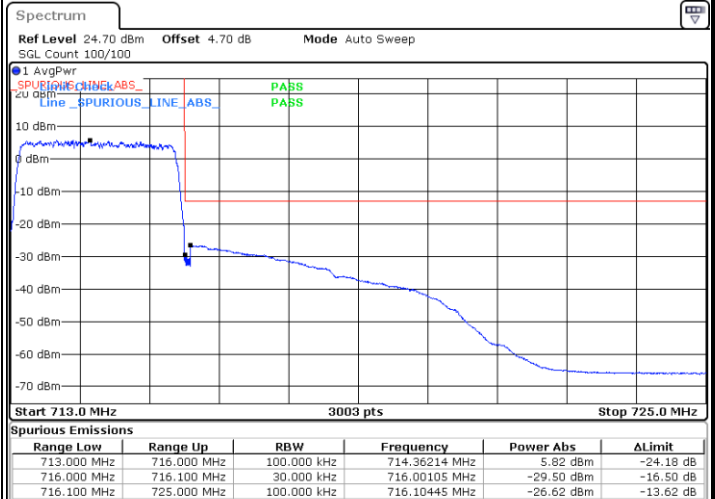
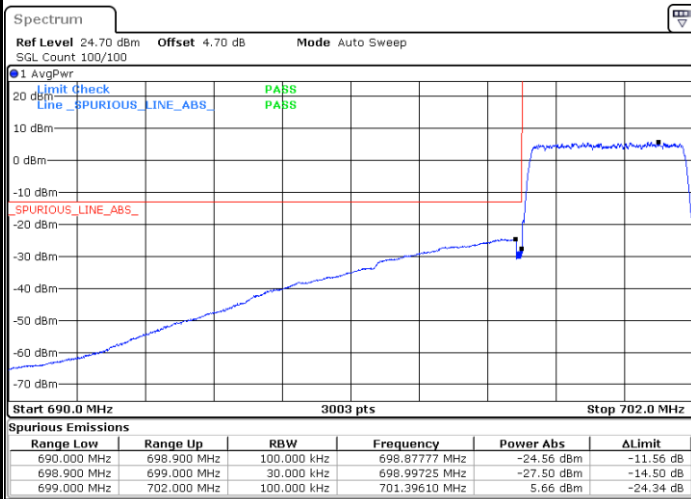


Date: 8.FEB.2022 14:01:48

Date: 8.FEB.2022 14:08:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.FEB.2022 14:03:20

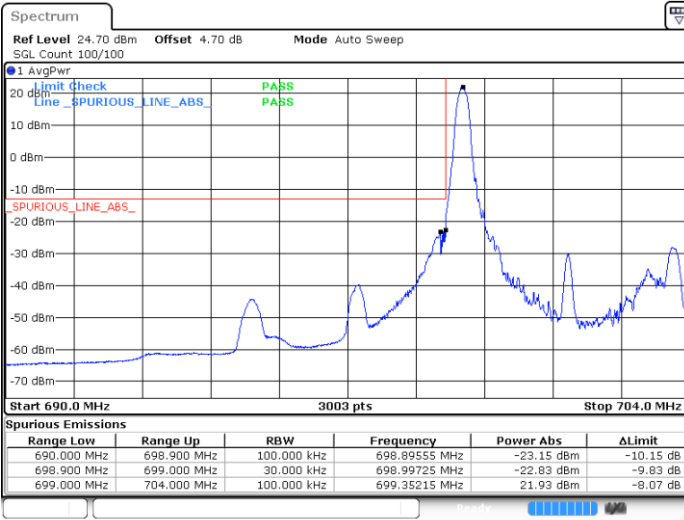
Date: 8.FEB.2022 14:06:41



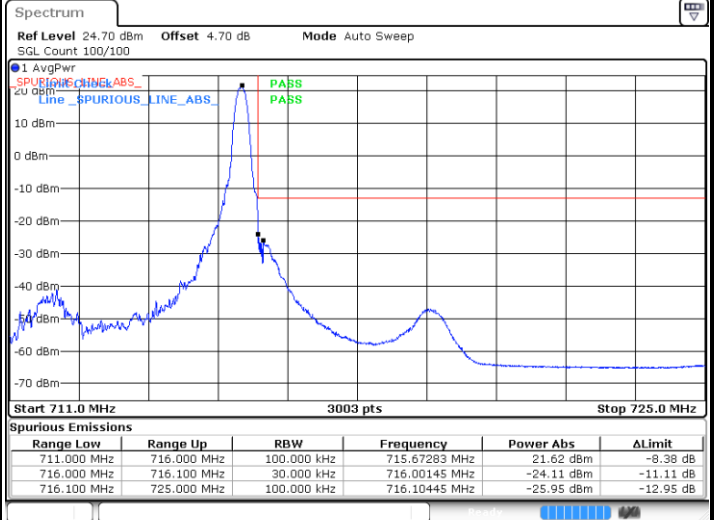
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



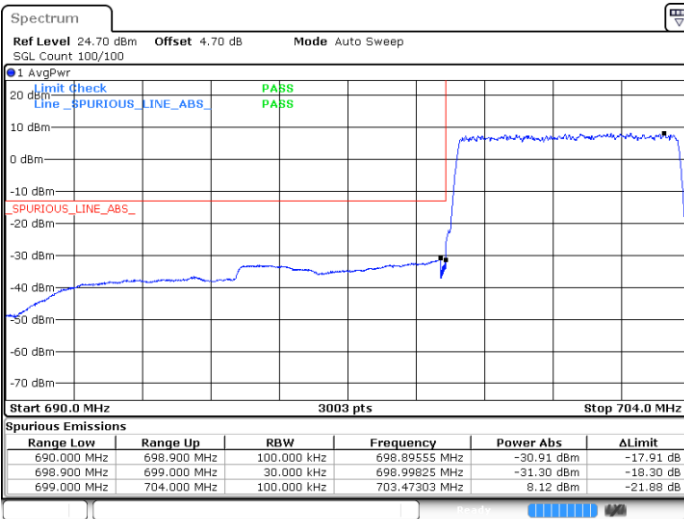
Date: 27.JAN.2022 00:07:06



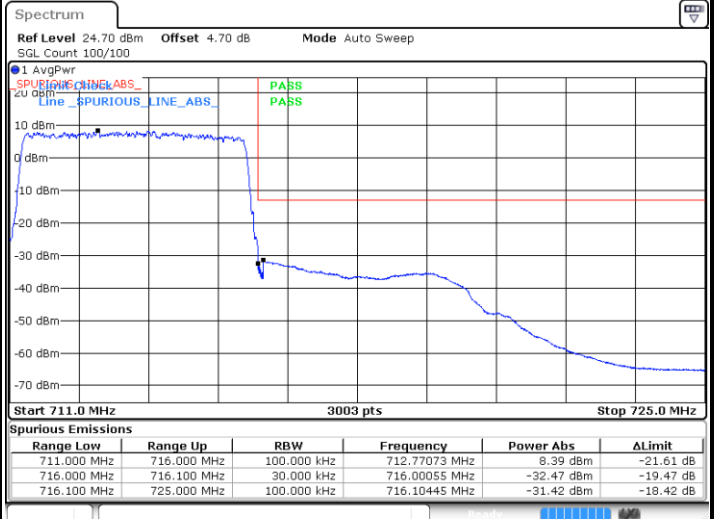
Date: 27.JAN.2022 00:21:08

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.JAN.2022 00:15:27



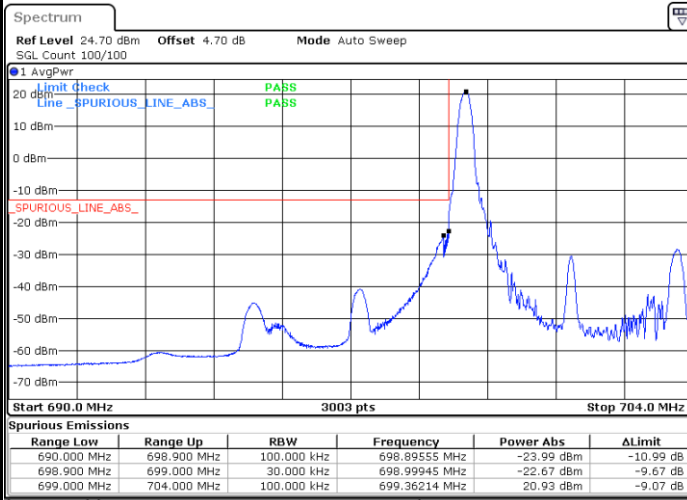
Date: 27.JAN.2022 00:29:30





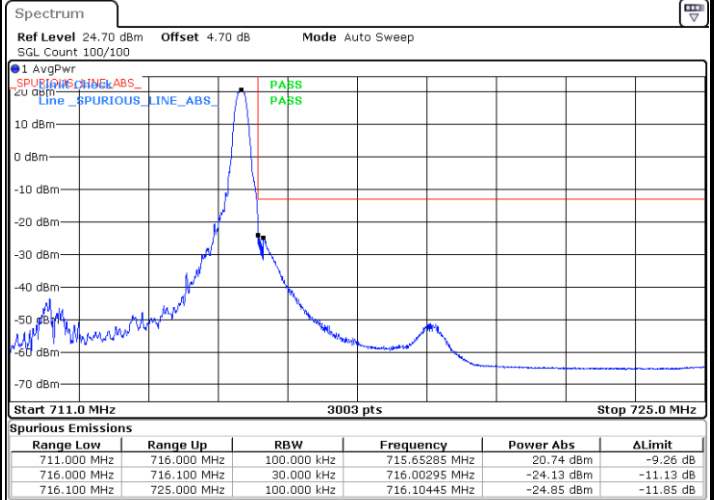
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



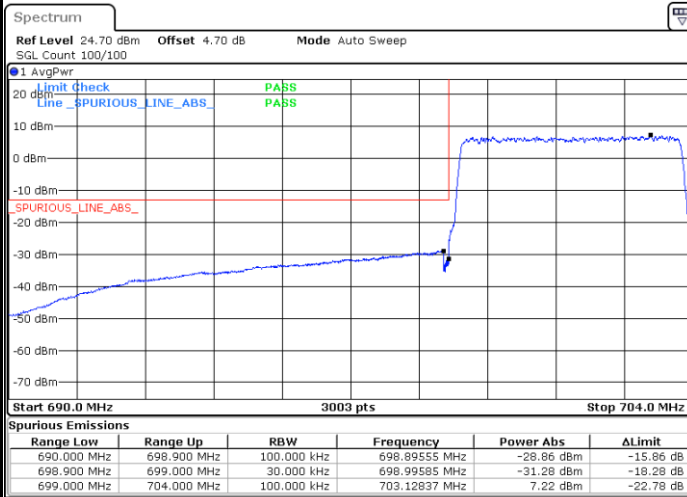
Date: 27.JAN.2022 00:08:46

Highest Band Edge / 1 RB



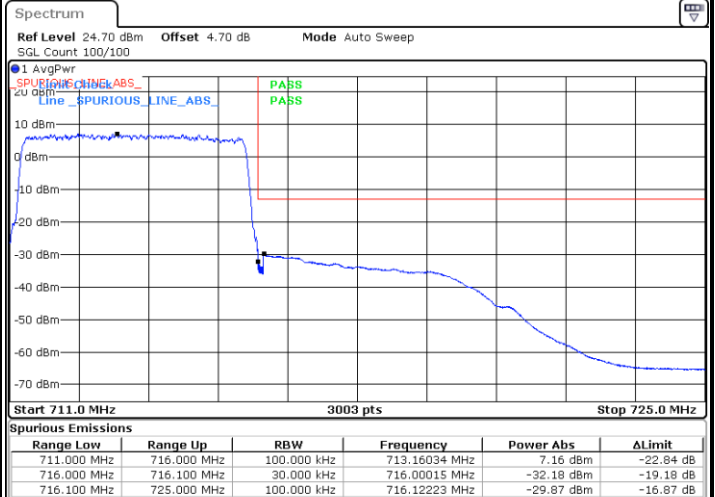
Date: 27.JAN.2022 00:22:49

Lowest Band Edge / Full RB



Date: 27.JAN.2022 00:13:46

Highest Band Edge / Full RB

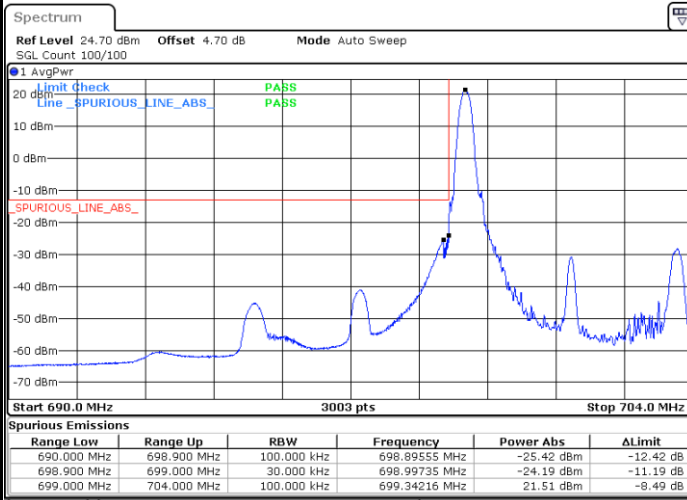


Date: 27.JAN.2022 00:27:50



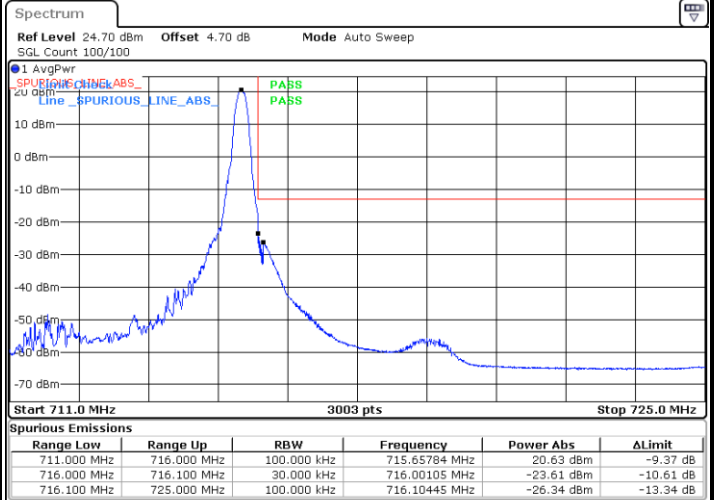
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



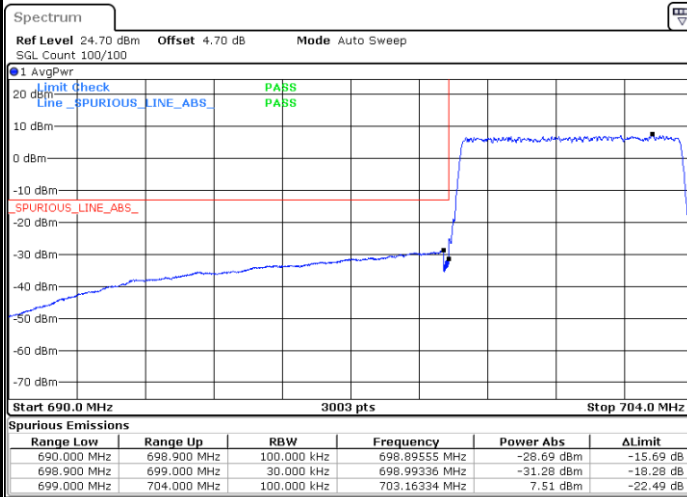
Date: 27.JAN.2022 00:10:26

Highest Band Edge / 1 RB



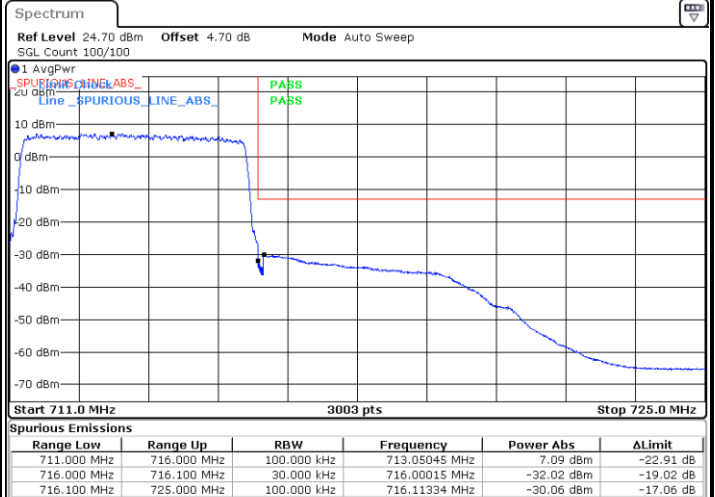
Date: 27.JAN.2022 00:24:29

Lowest Band Edge / Full RB



Date: 27.JAN.2022 00:12:06

Highest Band Edge / Full RB

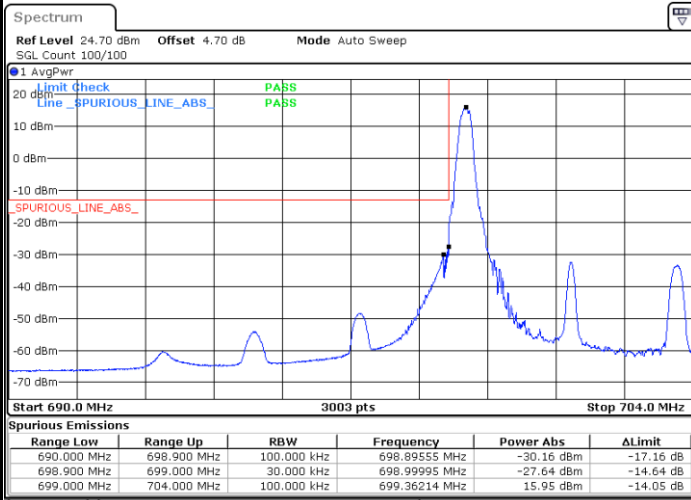


Date: 27.JAN.2022 00:26:09



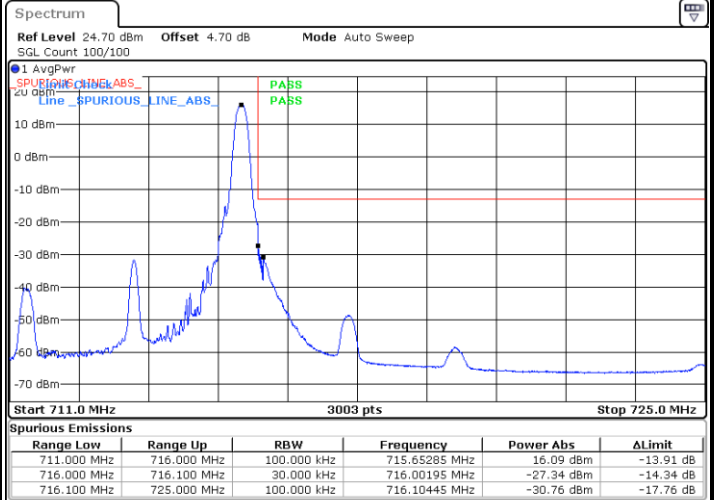
LTE Band 12 / 5MHz /256QAM

Lowest Band Edge / 1RB



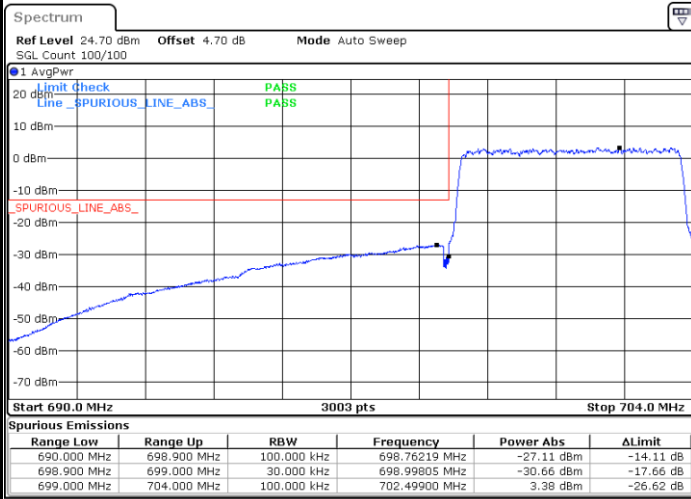
Date: 8.FEB.2022 14:13:56

Highest Band Edge / 1 RB



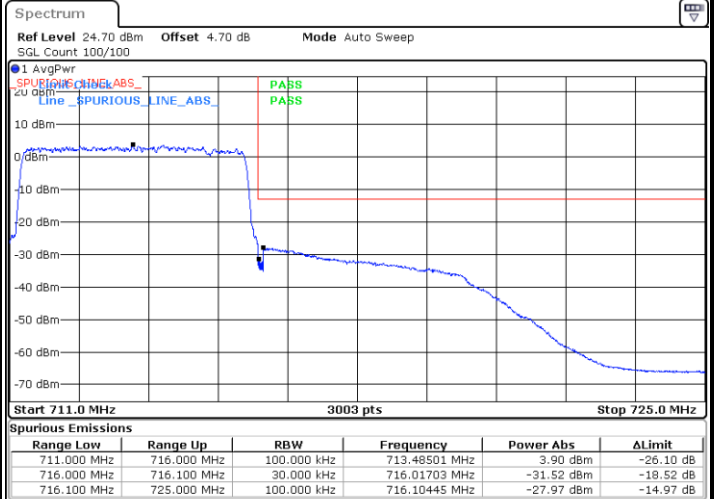
Date: 8.FEB.2022 14:15:48

Lowest Band Edge / Full RB



Date: 8.FEB.2022 14:12:10

Highest Band Edge / Full RB

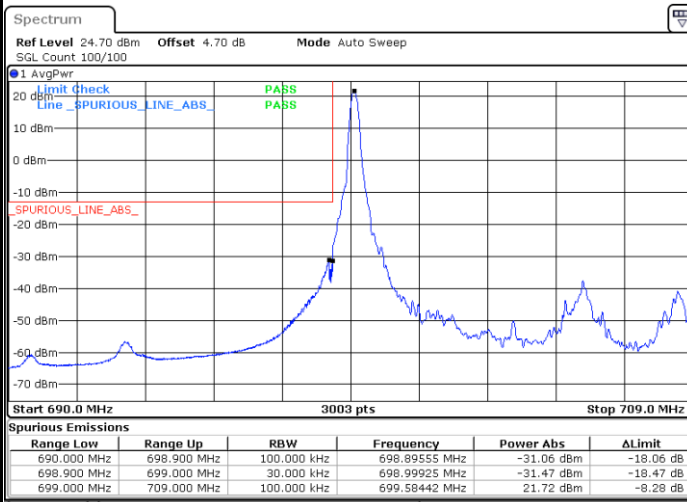


Date: 8.FEB.2022 14:16:43



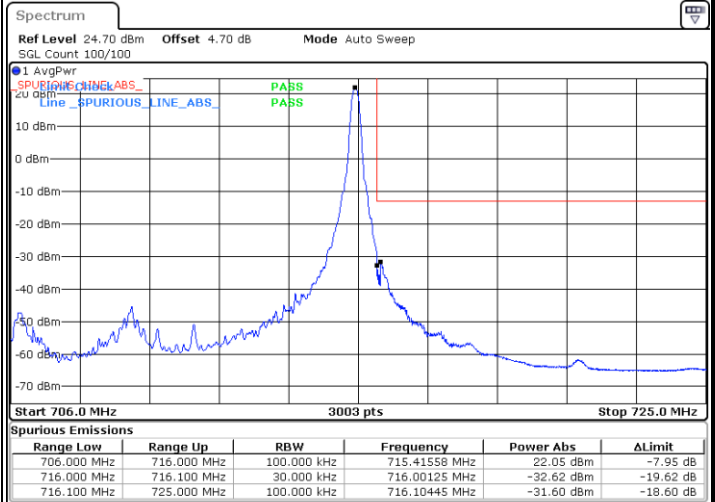
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



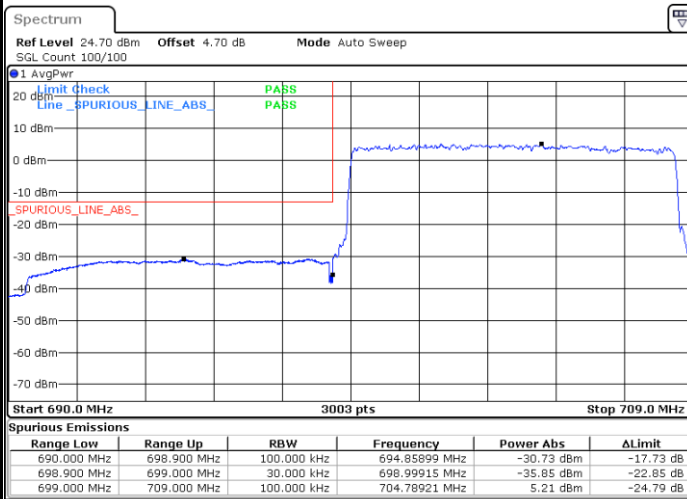
Date: 27.JAN.2022 00:33:11

Highest Band Edge / 1 RB



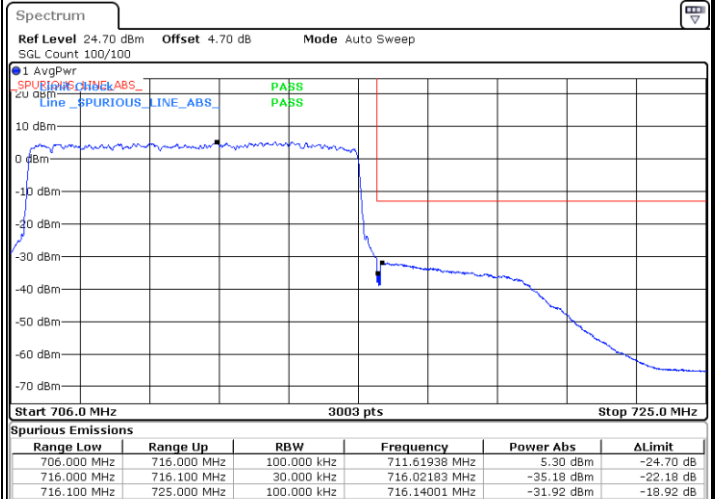
Date: 27.JAN.2022 00:47:14

Lowest Band Edge / Full RB



Date: 27.JAN.2022 00:41:32

Highest Band Edge / Full RB

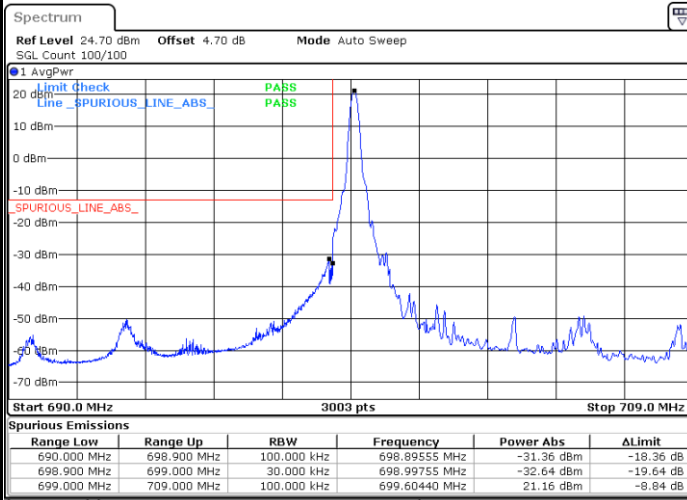


Date: 27.JAN.2022 00:55:35



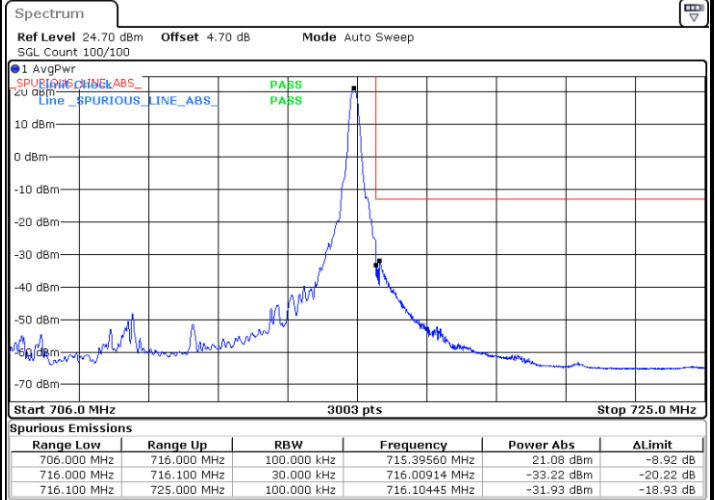
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



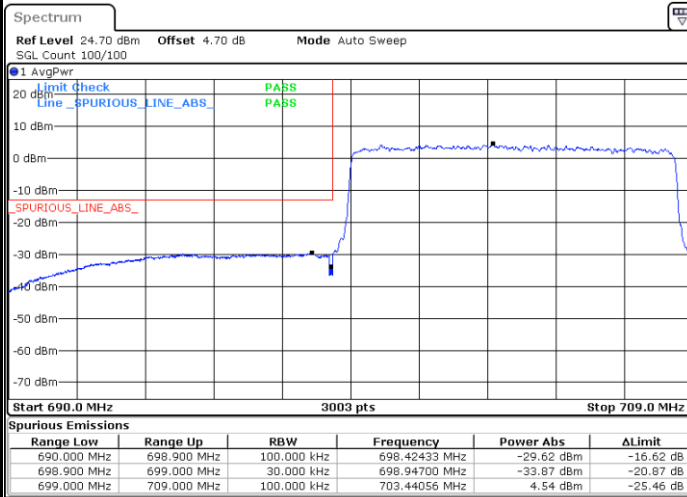
Date: 27.JAN.2022 00:34:52

Highest Band Edge / 1 RB



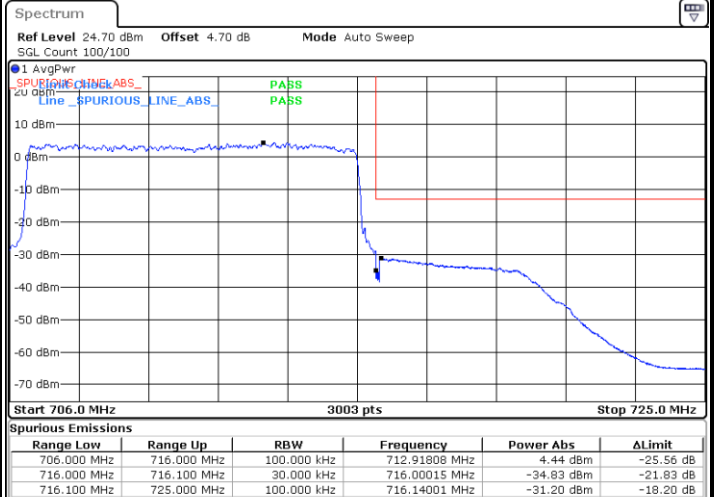
Date: 27.JAN.2022 00:48:54

Lowest Band Edge / Full RB



Date: 27.JAN.2022 00:39:52

Highest Band Edge / Full RB

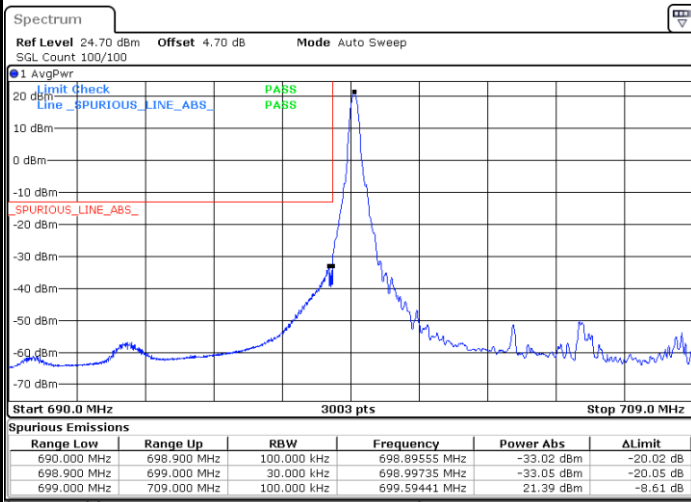


Date: 27.JAN.2022 00:53:55



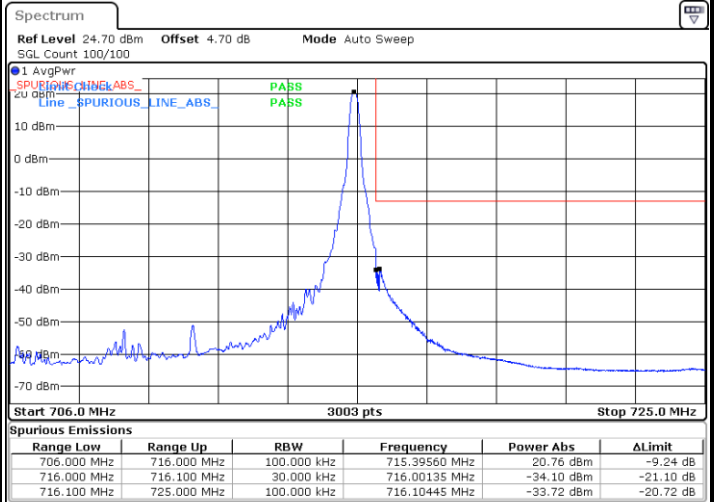
LTE Band 12 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



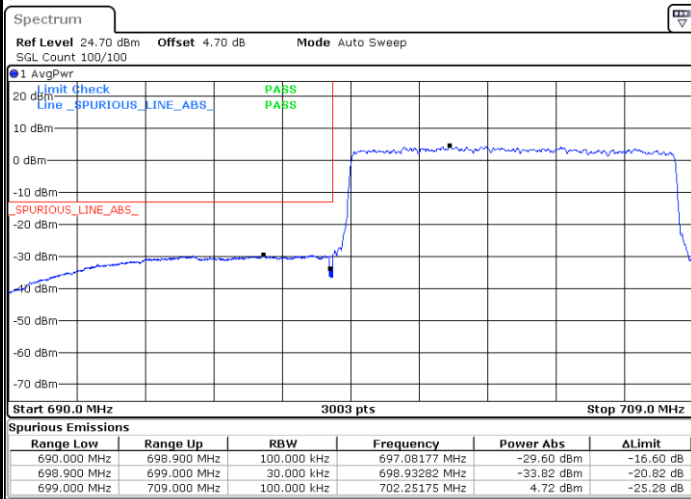
Date: 27.JAN.2022 00:36:32

Highest Band Edge / 1 RB



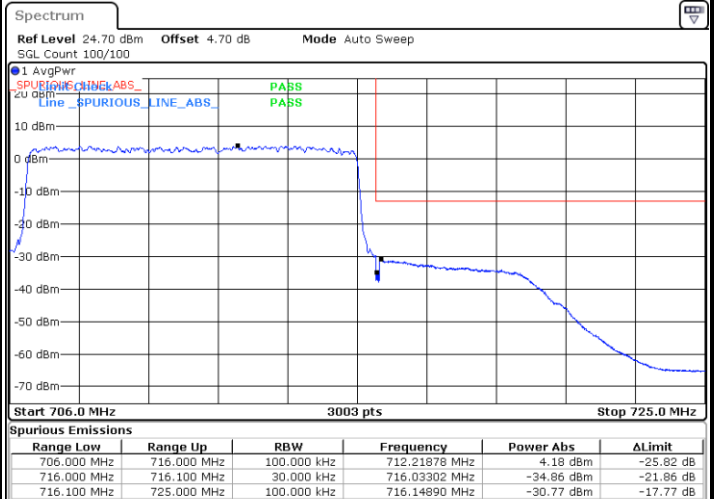
Date: 27.JAN.2022 00:50:34

Lowest Band Edge / Full RB



Date: 27.JAN.2022 00:38:12

Highest Band Edge / Full RB

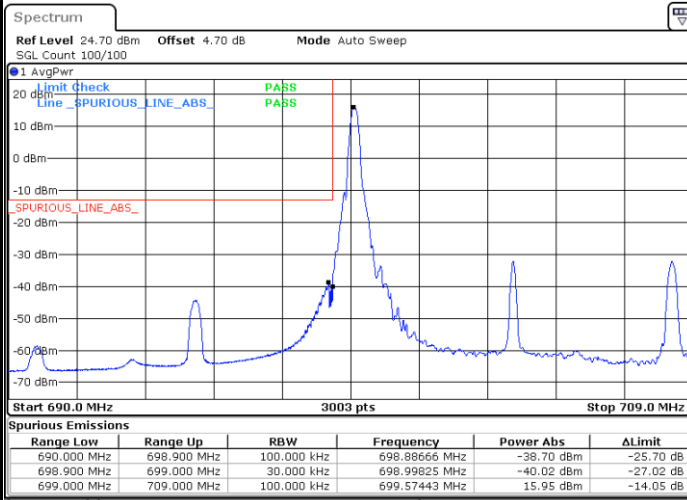


Date: 27.JAN.2022 00:52:14



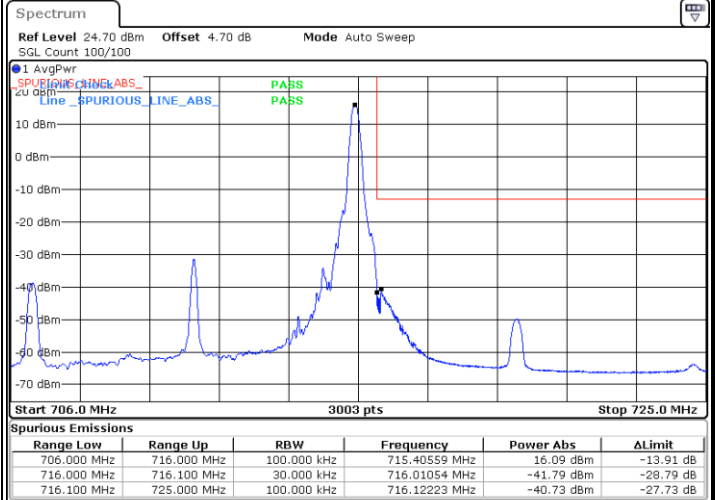
LTE Band 12 / 10MHz /256QAM

Lowest Band Edge / 1 RB



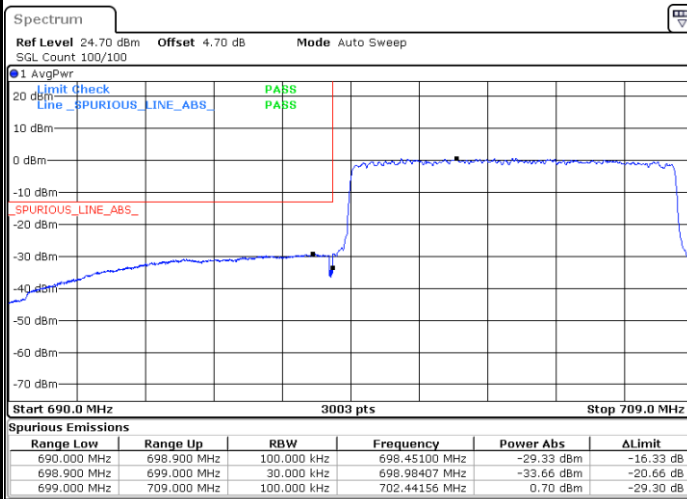
Date: 8.FEB.2022 14:24:07

Highest Band Edge / 1 RB



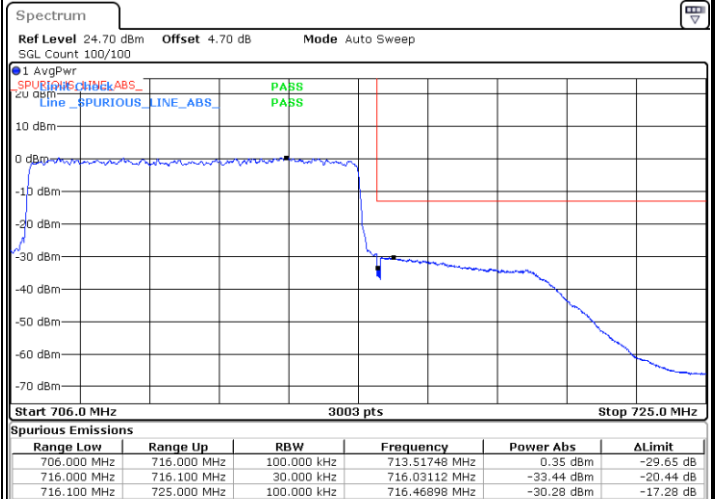
Date: 8.FEB.2022 14:26:41

Lowest Band Edge / Full RB



Date: 8.FEB.2022 14:23:05

Highest Band Edge / Full RB



Date: 8.FEB.2022 14:25:49



# Conducted Spurious Emission

