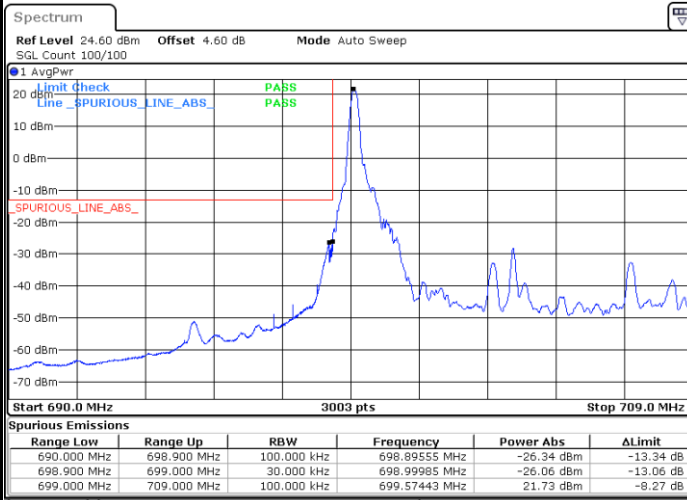




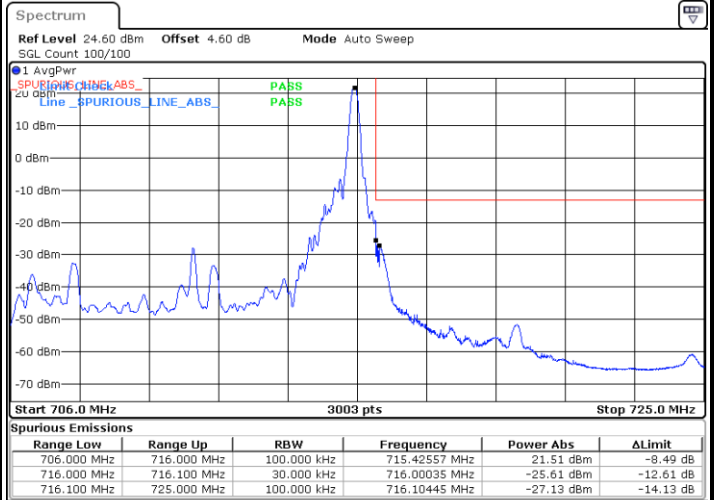
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



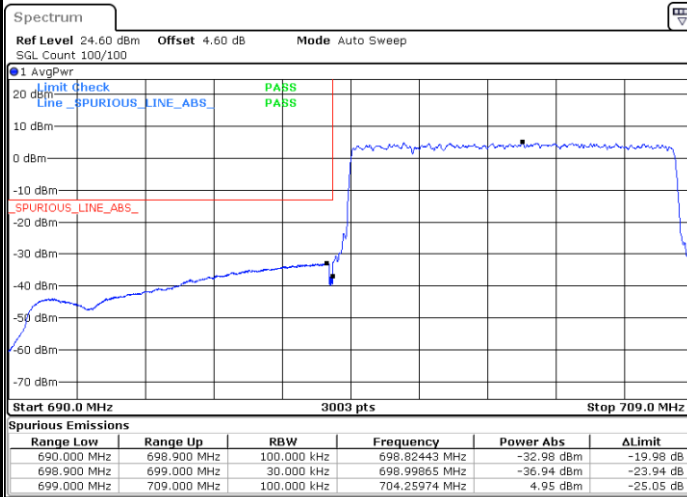
Date: 28.JAN.2022 02:12:08

Highest Band Edge / 1 RB



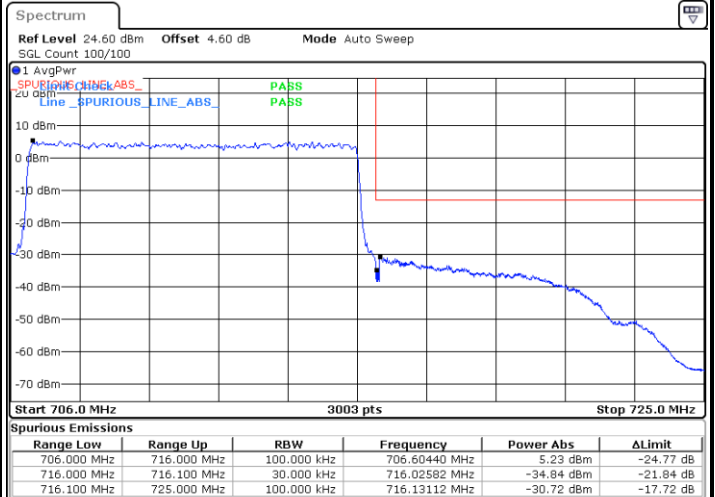
Date: 28.JAN.2022 02:23:57

Lowest Band Edge / Full RB



Date: 28.JAN.2022 02:19:07

Highest Band Edge / Full RB

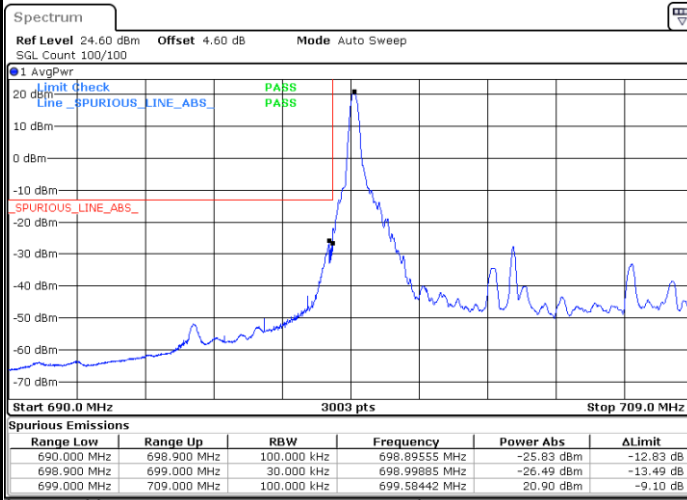


Date: 28.JAN.2022 02:30:56



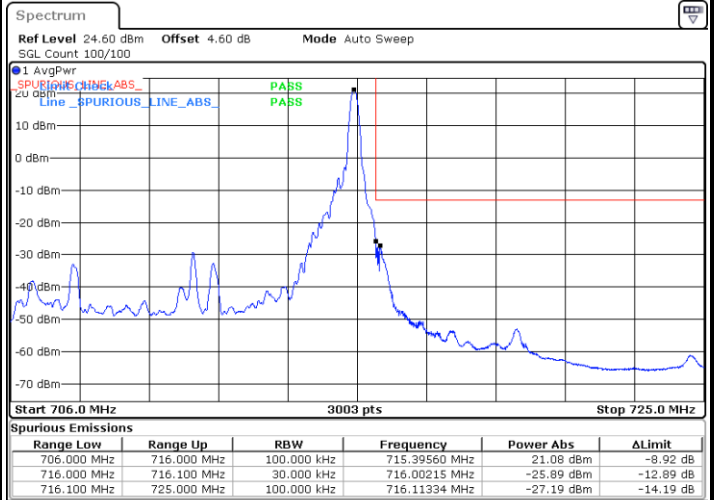
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



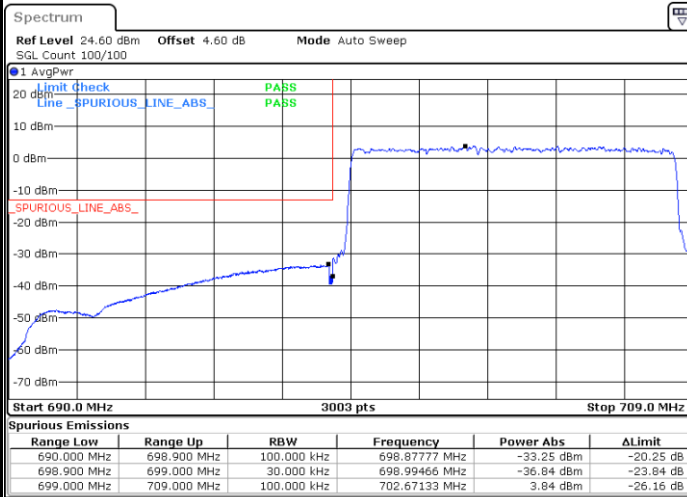
Date: 28.JAN.2022 02:13:32

Highest Band Edge / 1 RB



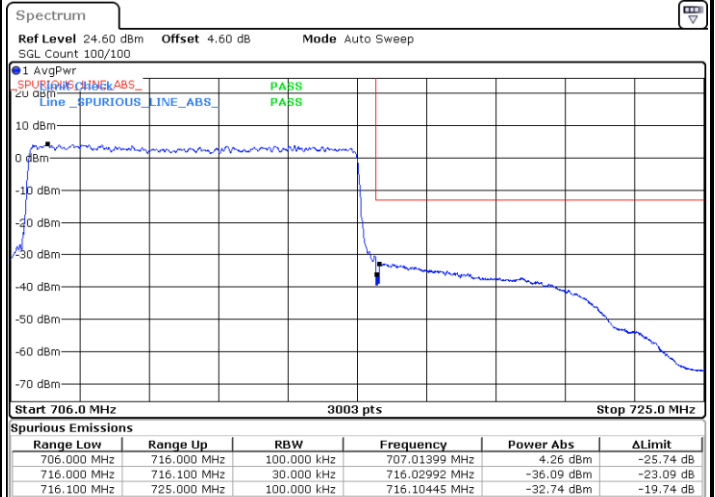
Date: 28.JAN.2022 02:25:20

Lowest Band Edge / Full RB



Date: 28.JAN.2022 02:17:43

Highest Band Edge / Full RB

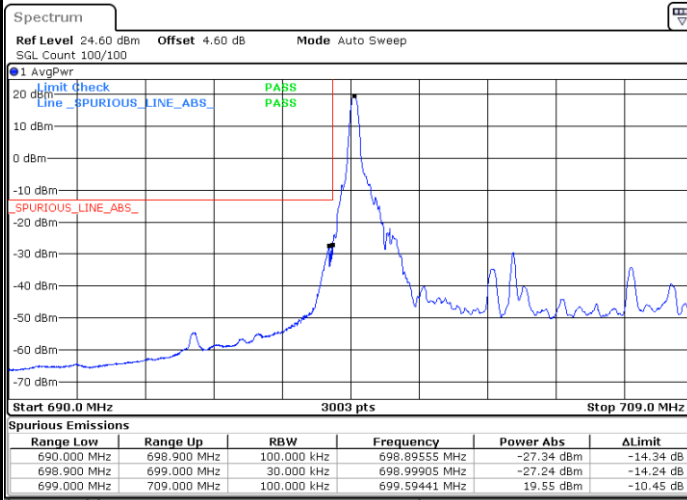


Date: 28.JAN.2022 02:29:32

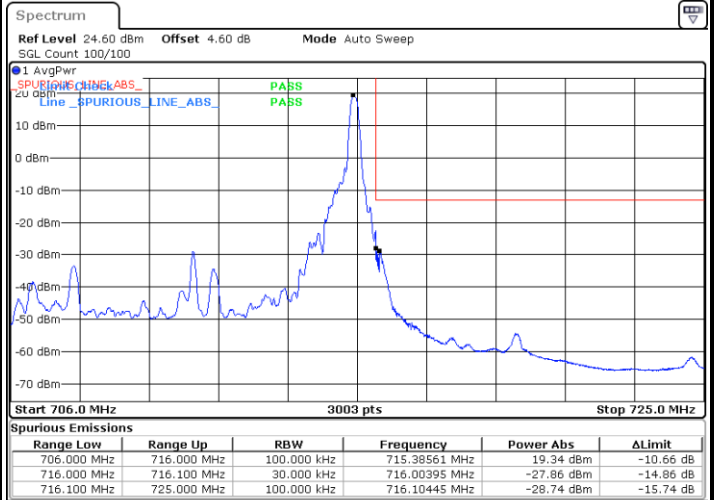


LTE Band 12 / 10MHz / 64QAM

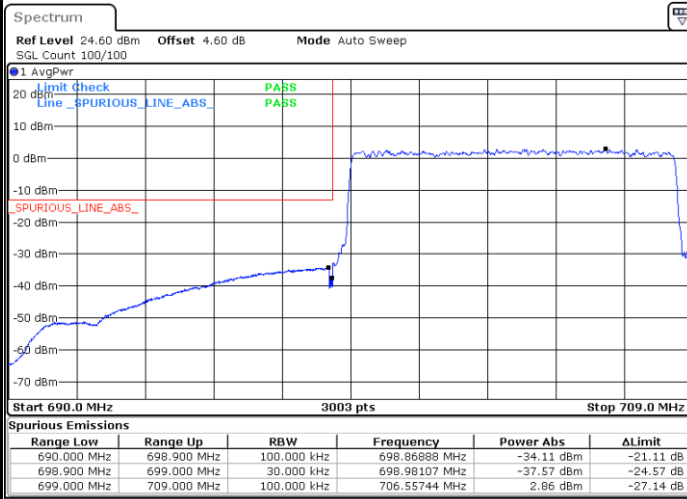
Lowest Band Edge / 1 RB



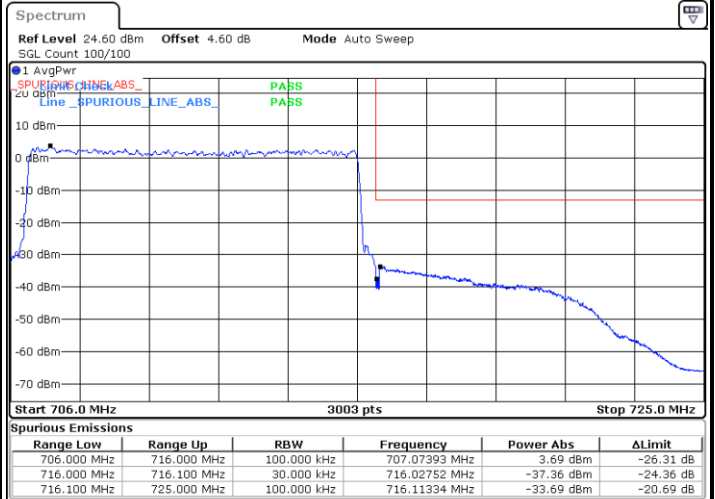
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB

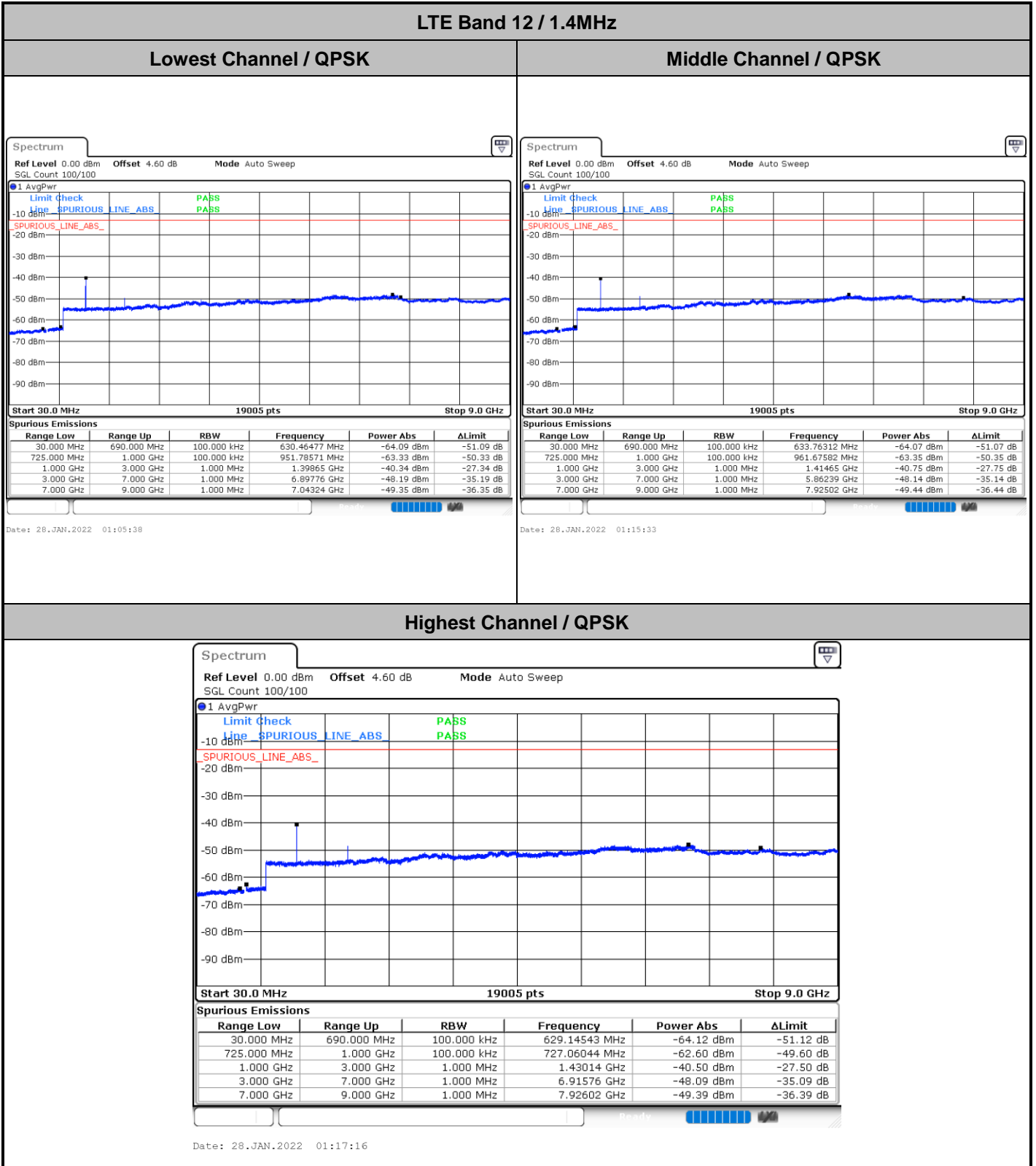


Highest Band Edge / Full RB





Conducted Spurious Emission

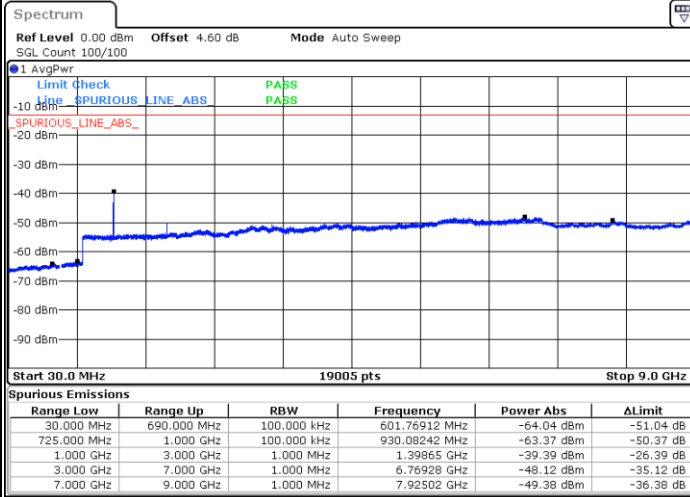




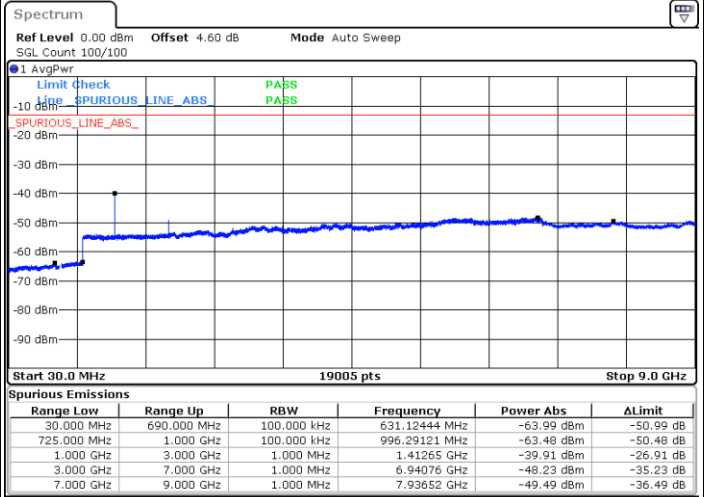
LTE Band 12 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

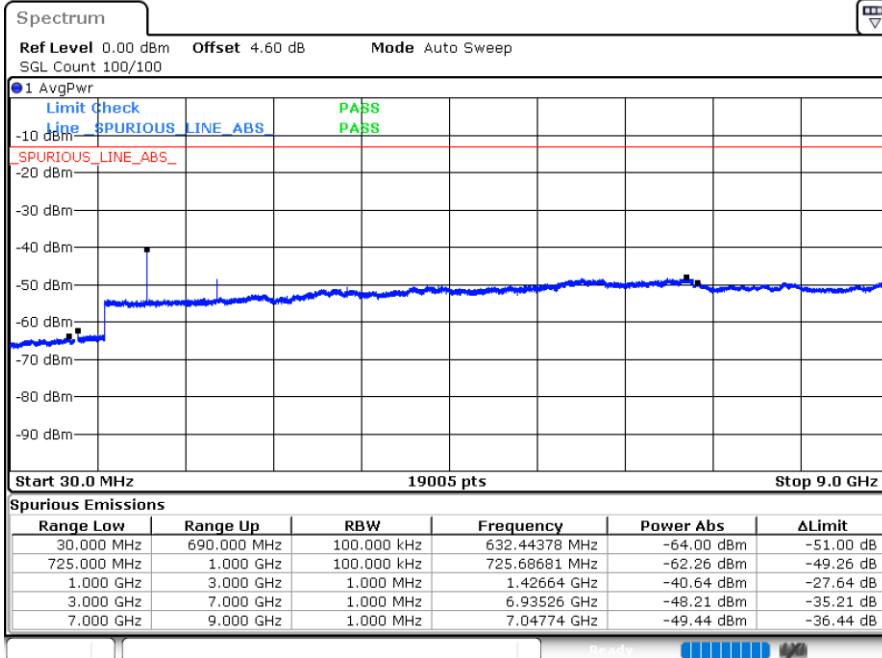


Date: 28.JAN.2022 01:27:23



Date: 28.JAN.2022 01:37:19

Highest Channel / QPSK



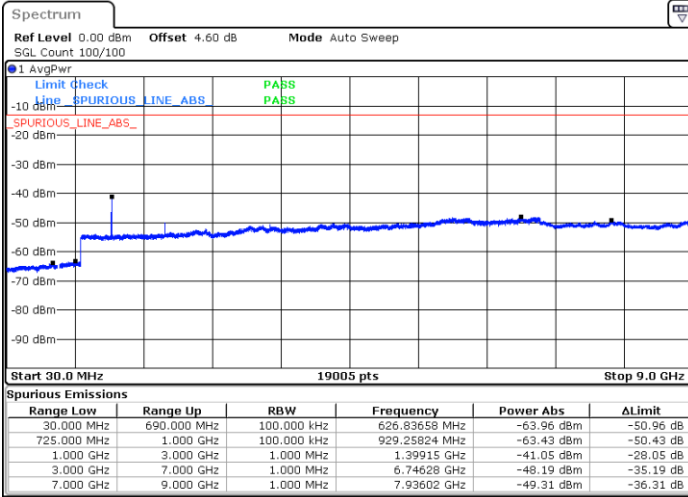
Date: 28.JAN.2022 01:39:02



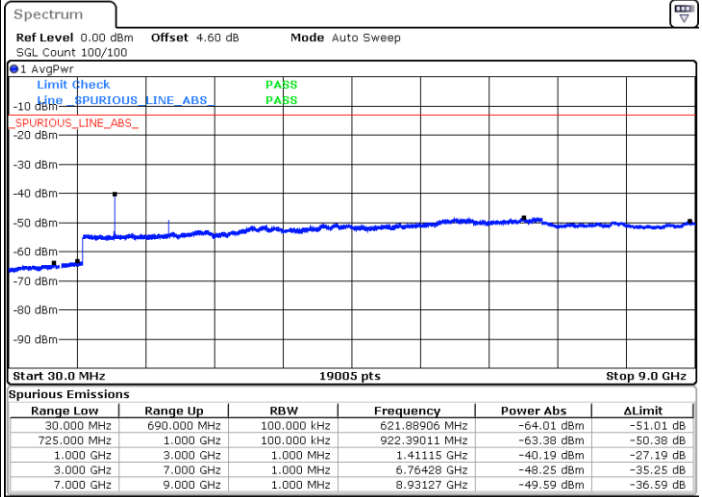
LTE Band 12 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

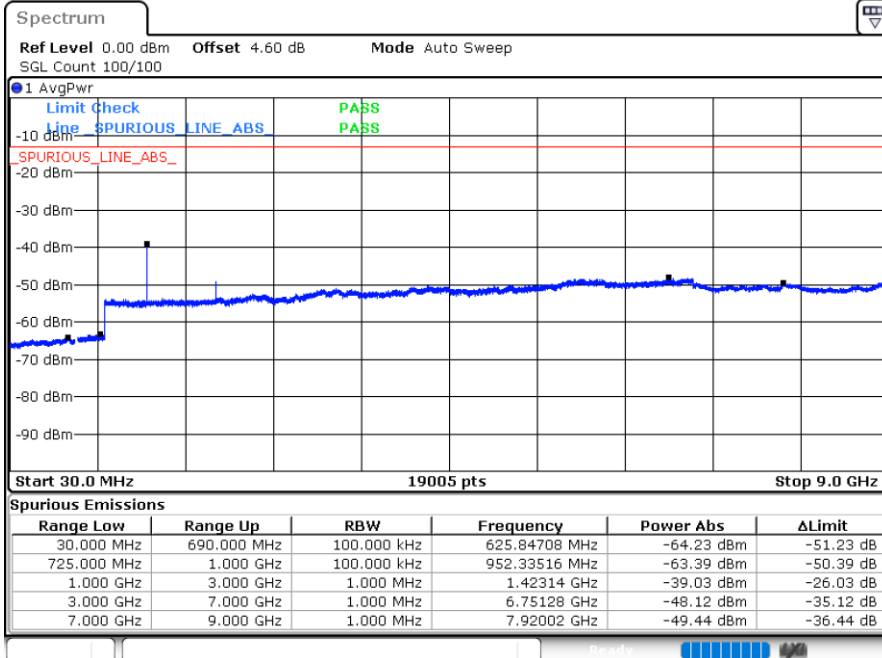


Date: 28.JAN.2022 01:49:09



Date: 28.JAN.2022 01:59:05

Highest Channel / QPSK



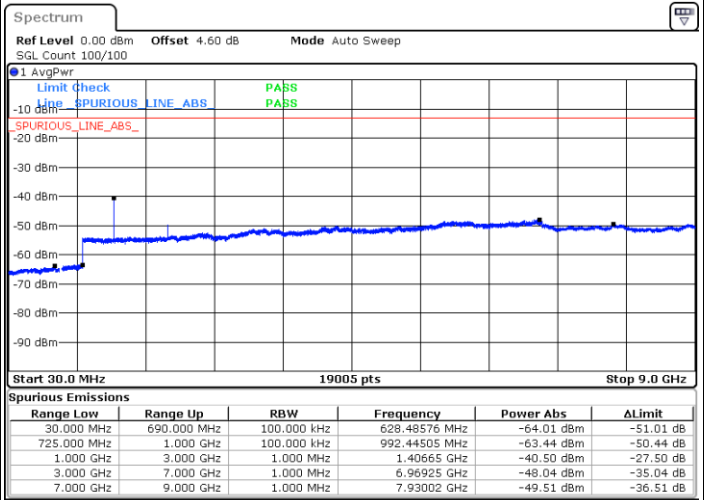
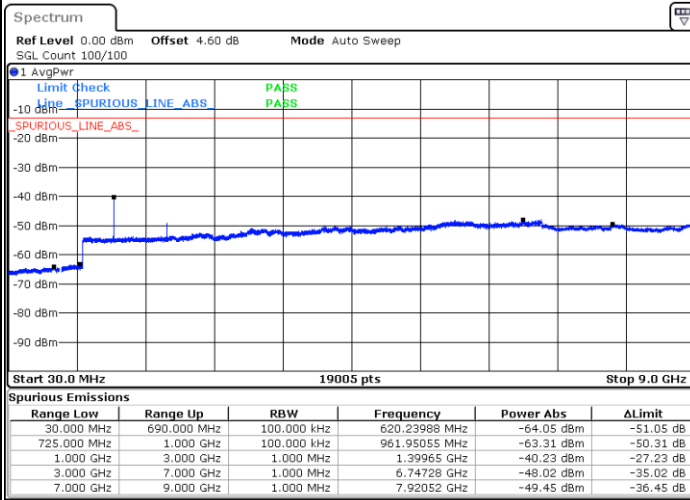
Date: 28.JAN.2022 02:00:48



LTE Band 12 / 10MHz

Lowest Channel / QPSK

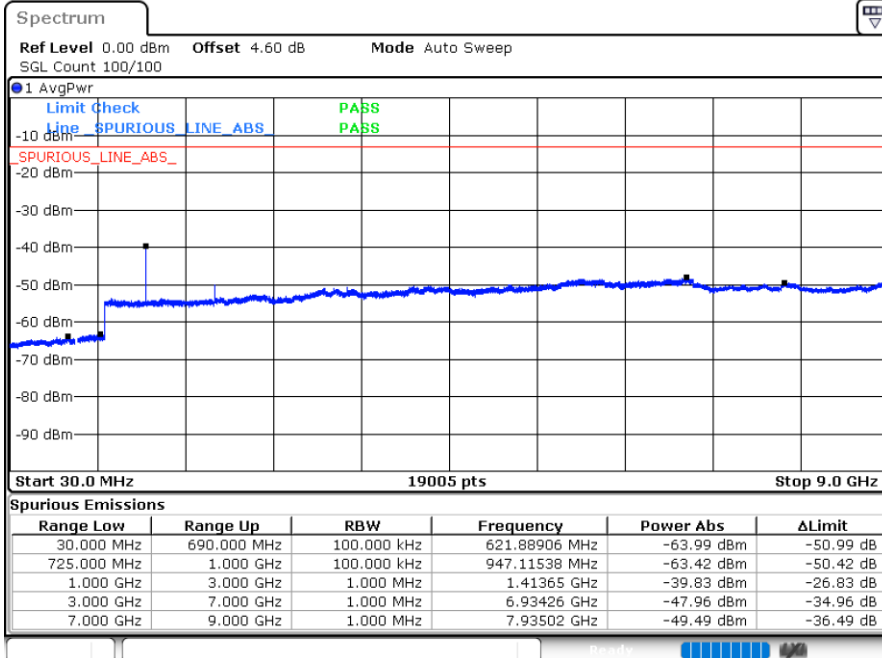
Middle Channel / QPSK



Date: 28.JAN.2022 02:10:55

Date: 28.JAN.2022 02:20:50

Highest Channel / QPSK



Date: 28.JAN.2022 02:22:33



Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0005	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0032	
-30	Normal Voltage	0.0026	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0014	

Note:

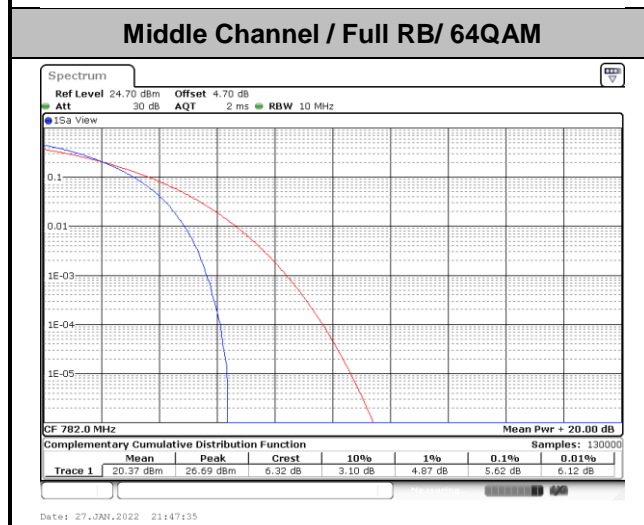
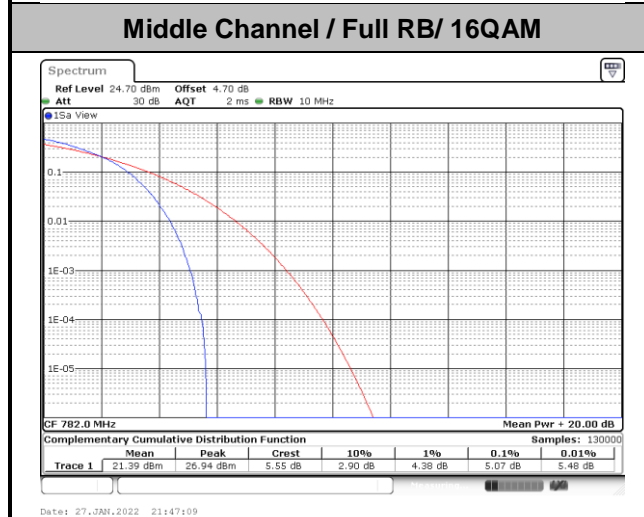
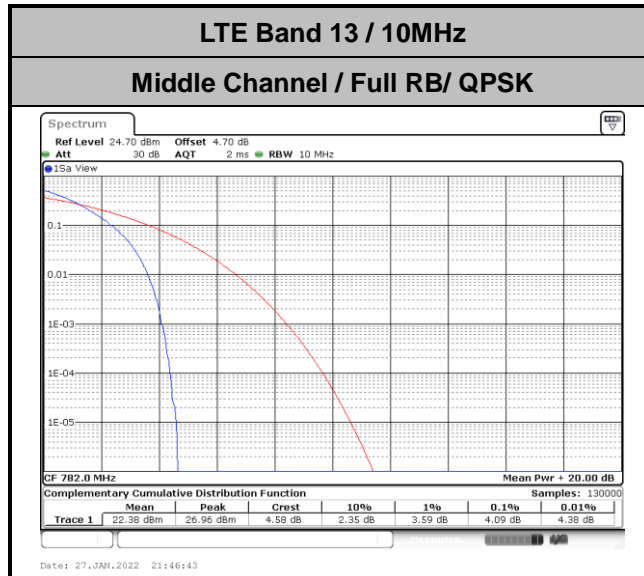
1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 13

Peak-to-Average Ratio

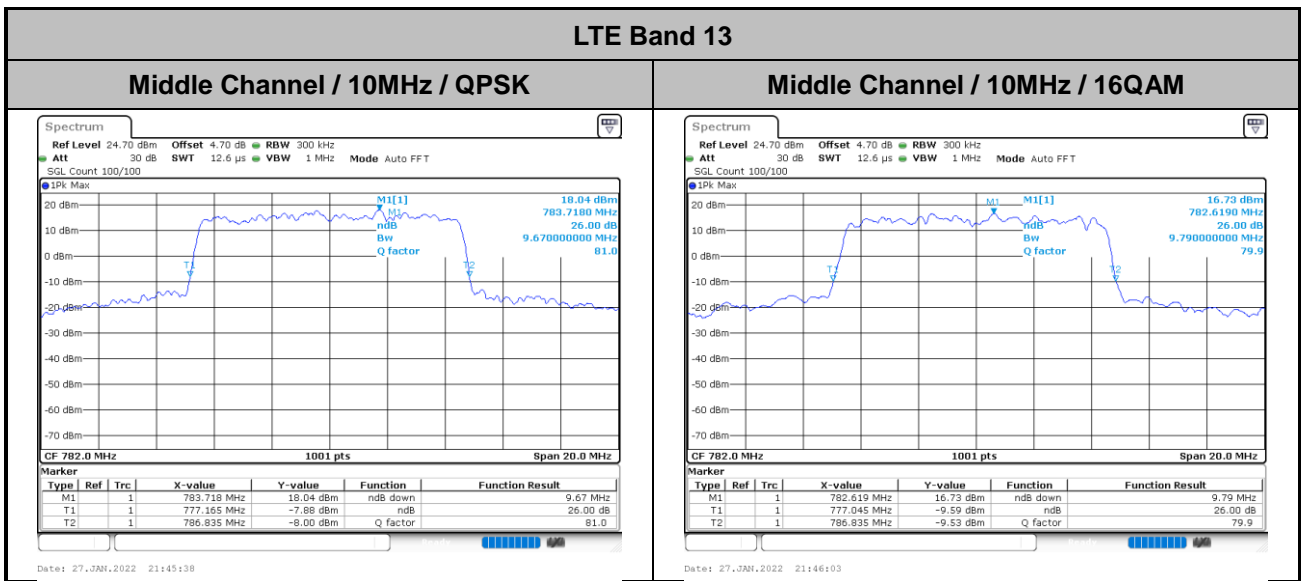
Mode	LTE Band 13 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.09	5.07	5.62	PASS





26dB Bandwidth

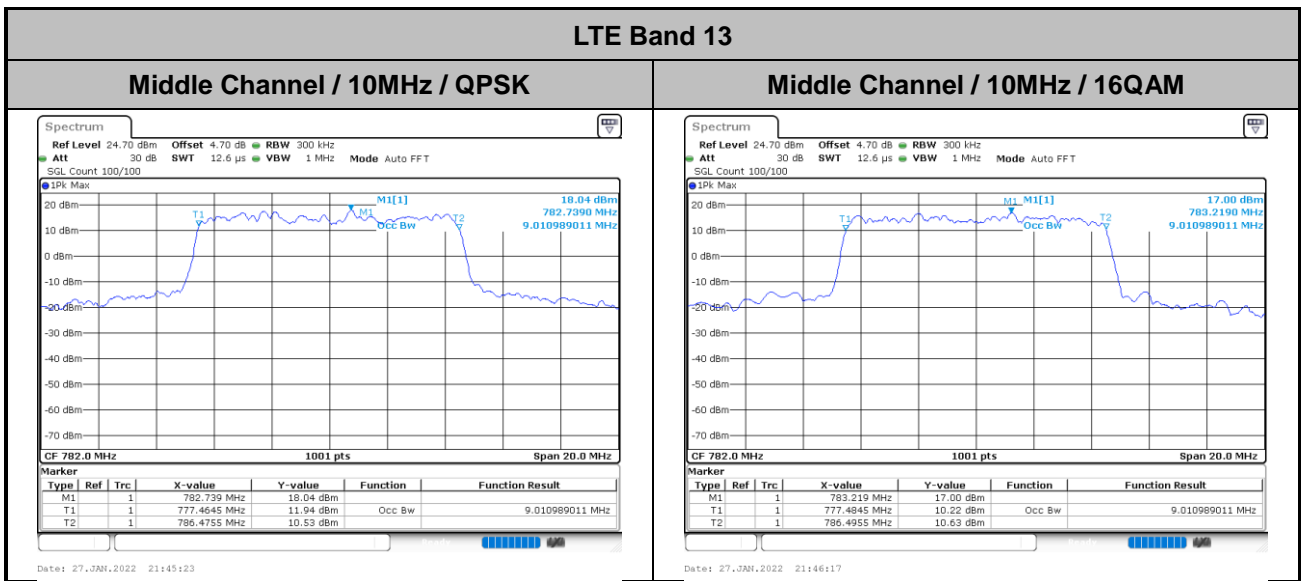
Mode	LTE Band 13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.67	9.79





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.01

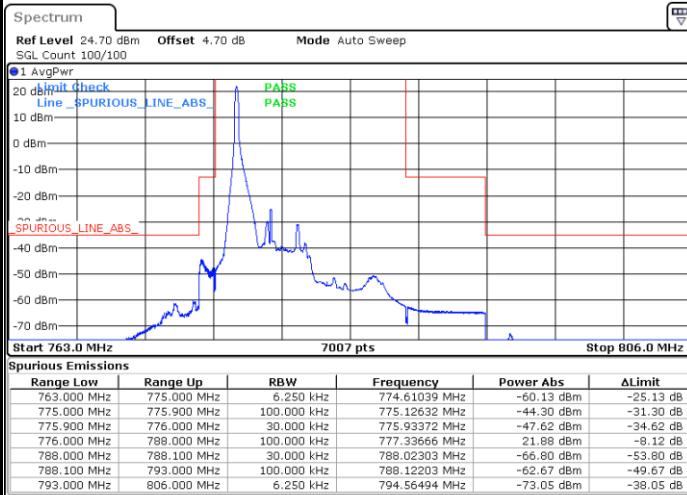




Conducted Band Edge

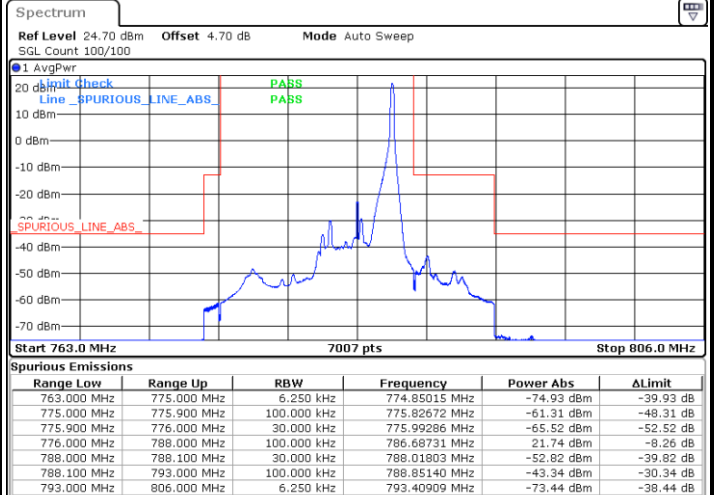
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



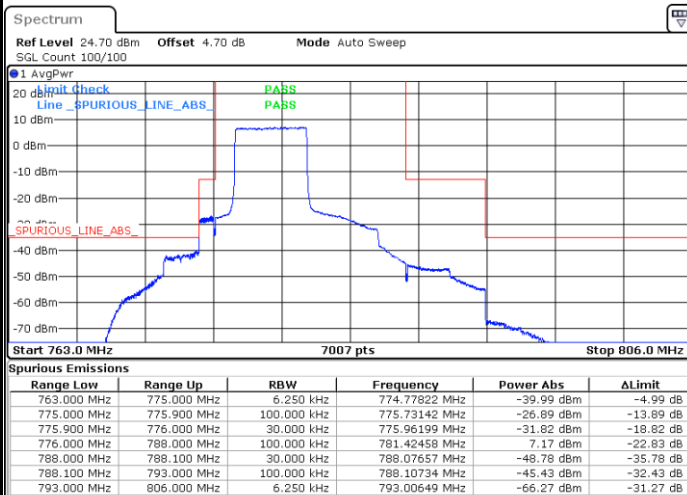
Date: 27, JAN, 2022 21:02:13

Highest Band Edge / 1 RB



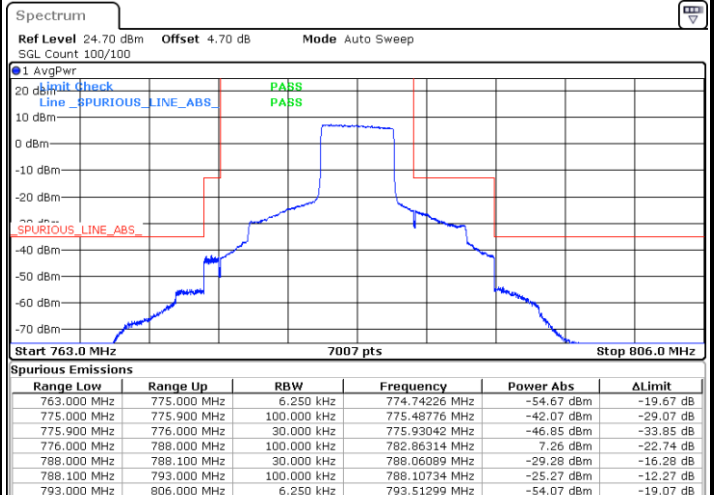
Date: 27, JAN, 2022 21:17:00

Lowest Band Edge / Full RB



Date: 27, JAN, 2022 21:11:41

Highest Band Edge / Full RB



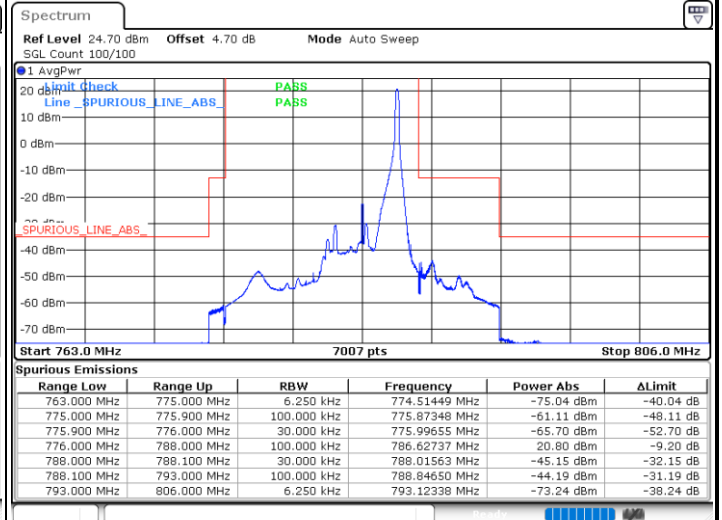
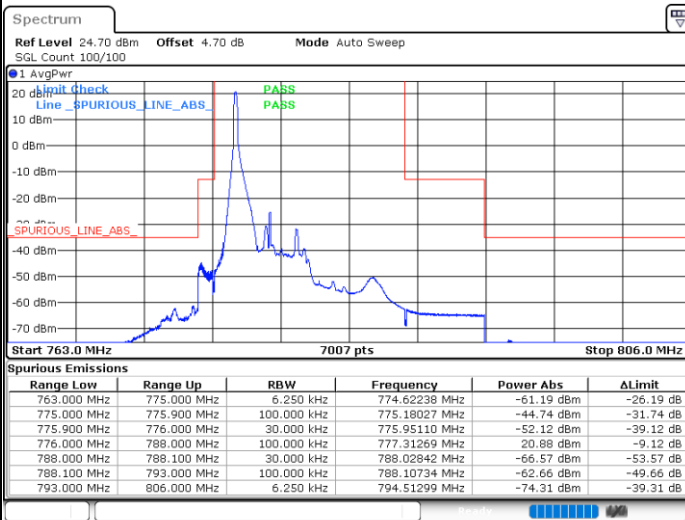
Date: 27, JAN, 2022 21:26:28



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

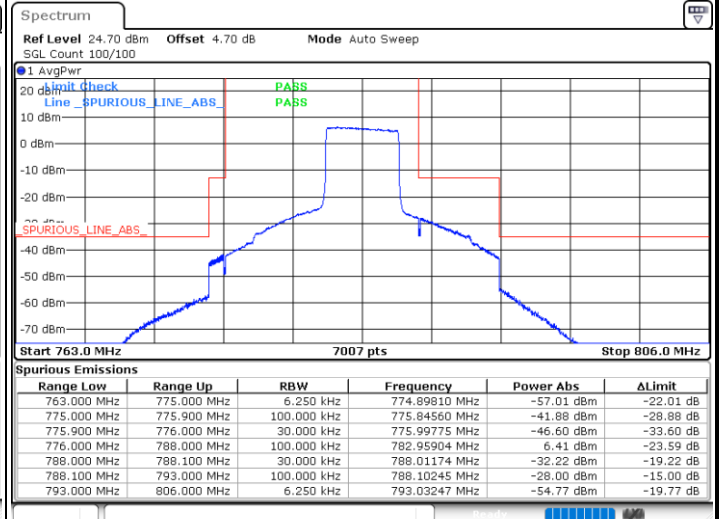
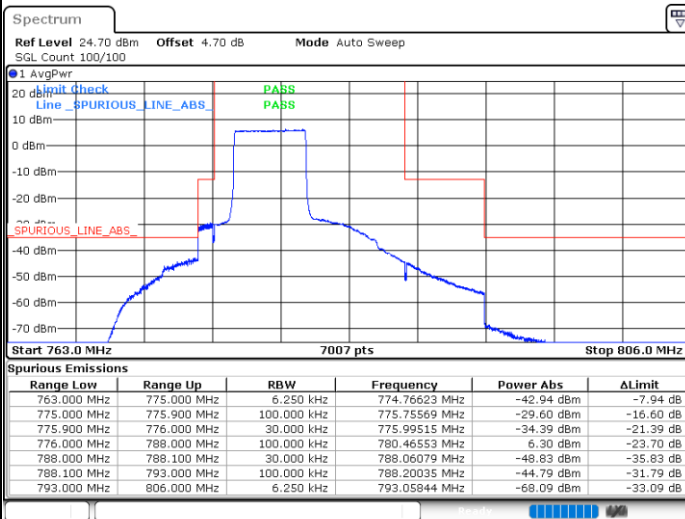


Date: 27. JAN. 2022 21:04:07

Date: 27. JAN. 2022 21:18:54

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27. JAN. 2022 21:09:47

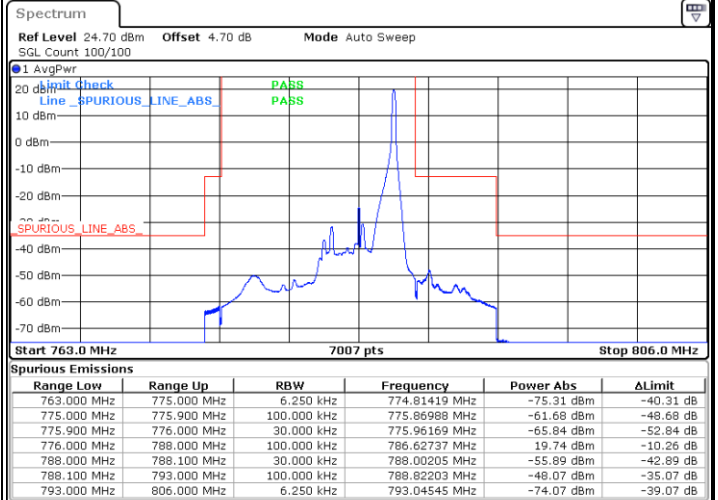
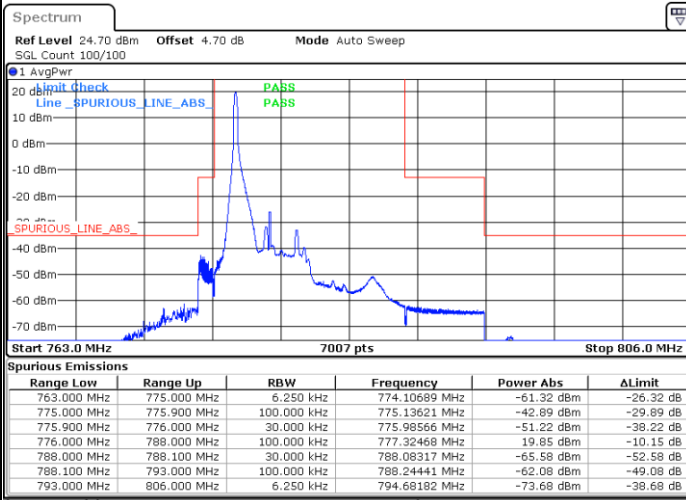
Date: 27. JAN. 2022 21:24:35



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

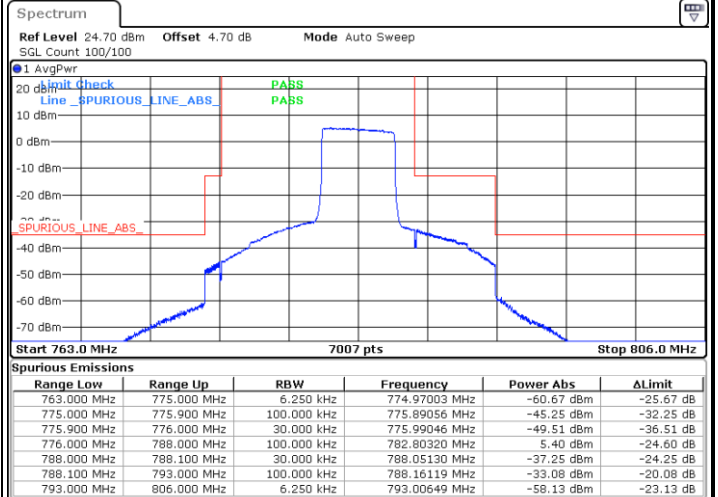
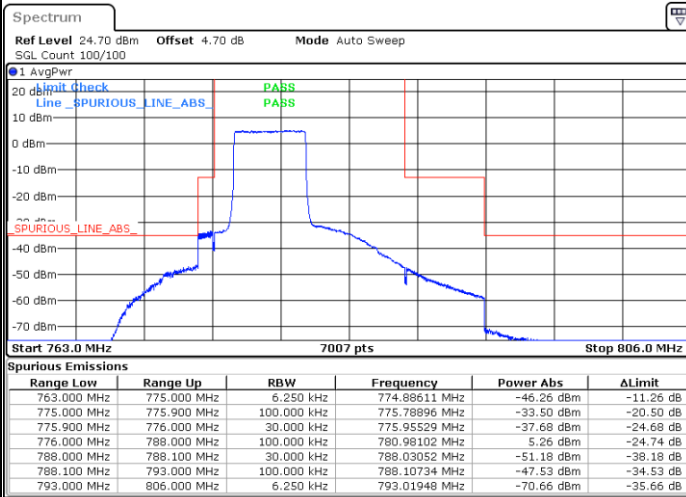


Date: 27. JAN. 2022 21:06:00

Date: 27. JAN. 2022 21:20:47

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



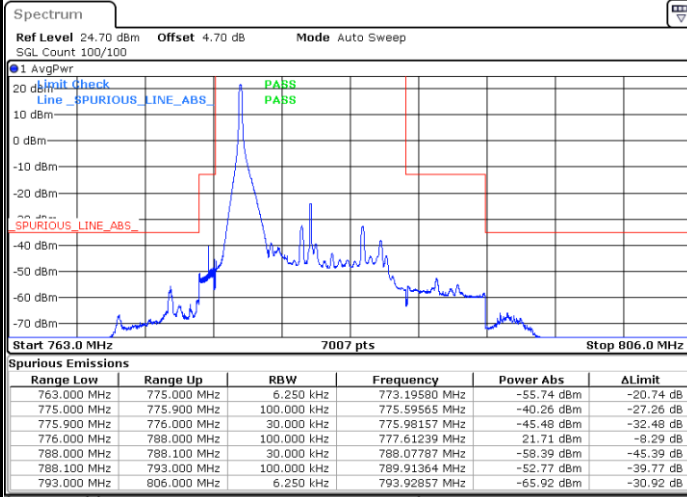
Date: 27. JAN. 2022 21:07:54

Date: 27. JAN. 2022 21:22:41



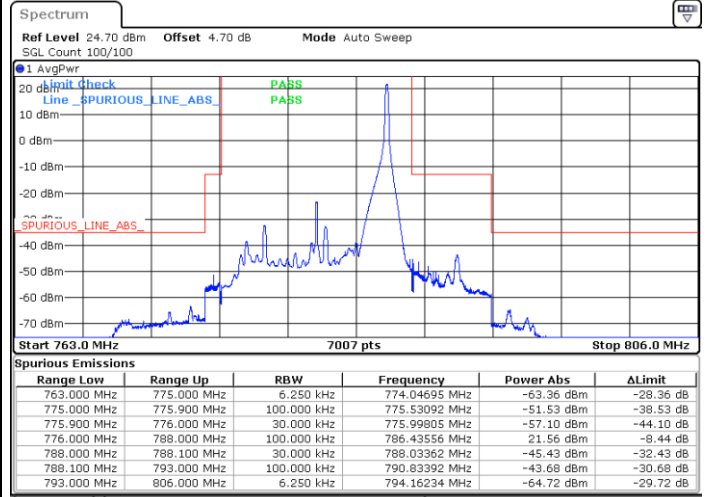
LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB



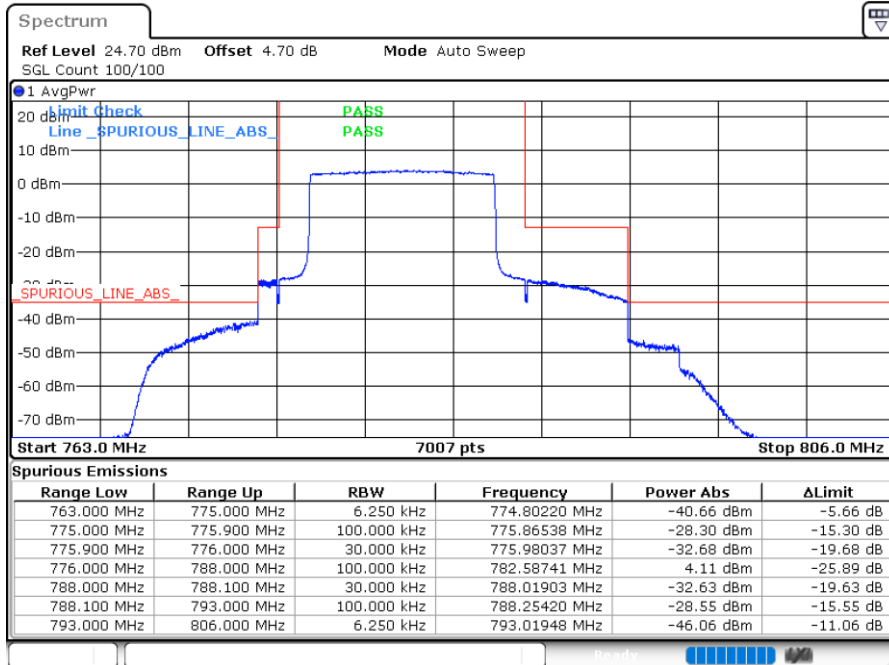
Date: 27.JAN.2022 21:29:56

middle Band Edge / 1 RB



Date: 27.JAN.2022 21:41:13

Middle Band Edge / Full RB

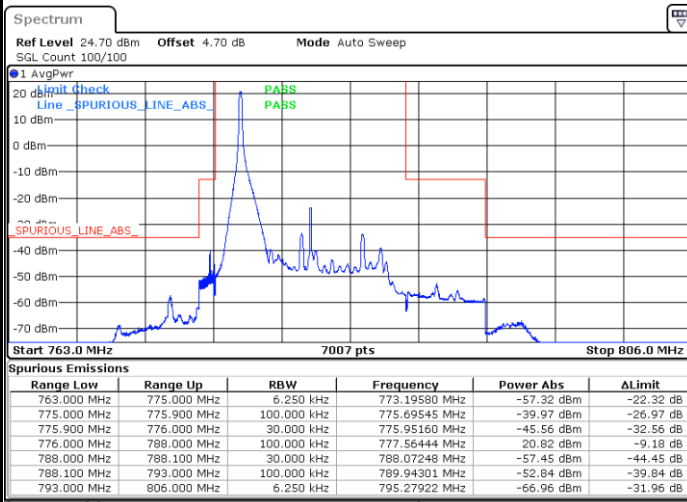


Date: 27.JAN.2022 21:39:20



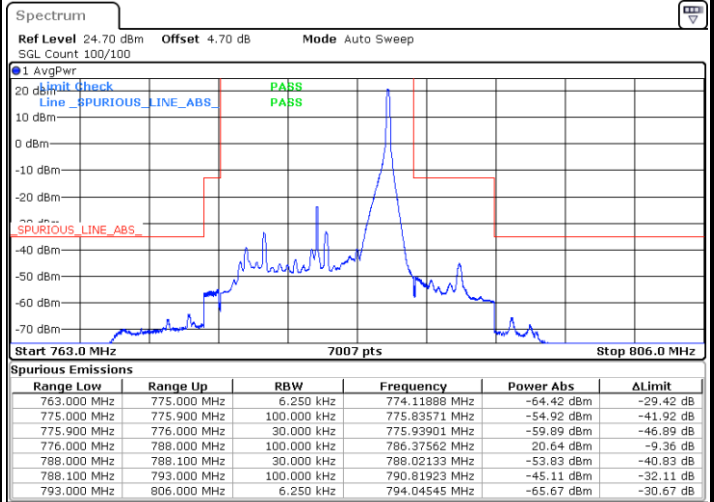
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



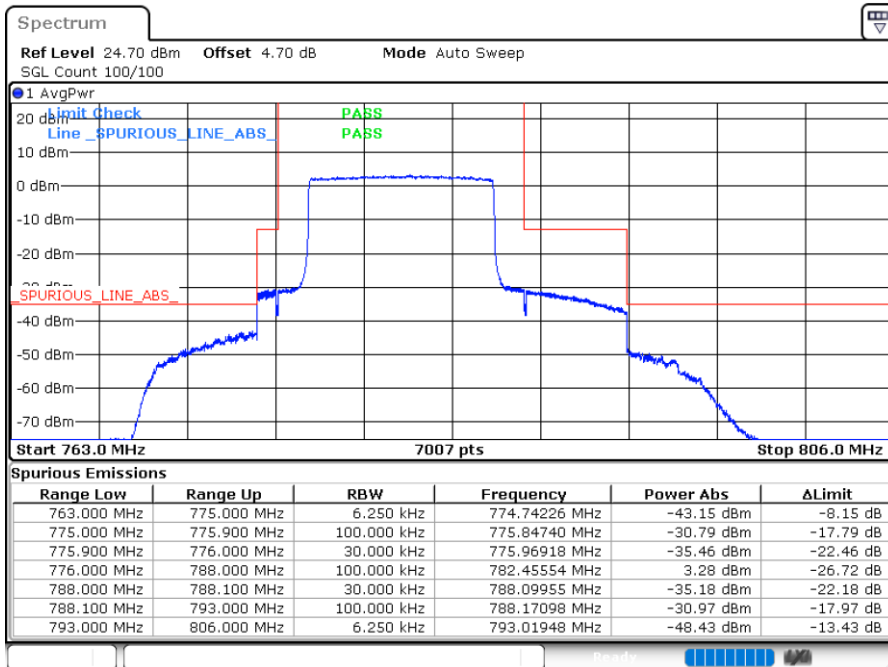
Date: 27.JAN.2022 21:31:49

middle Band Edge / 1 RB



Date: 27.JAN.2022 21:43:06

middle Band Edge / Full RB

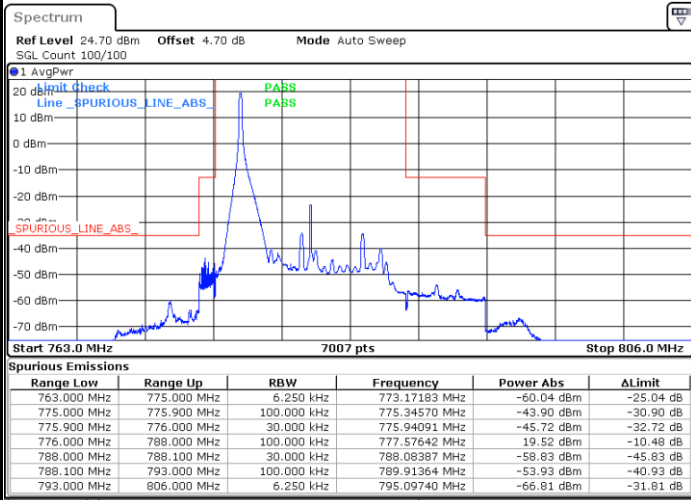


Date: 27.JAN.2022 21:37:28



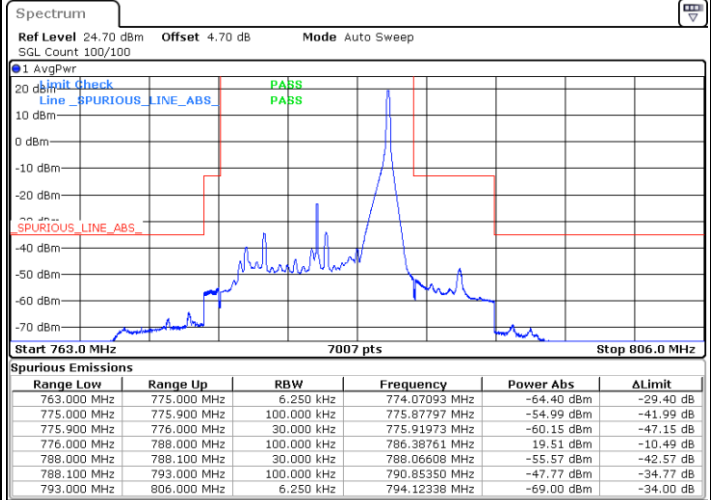
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



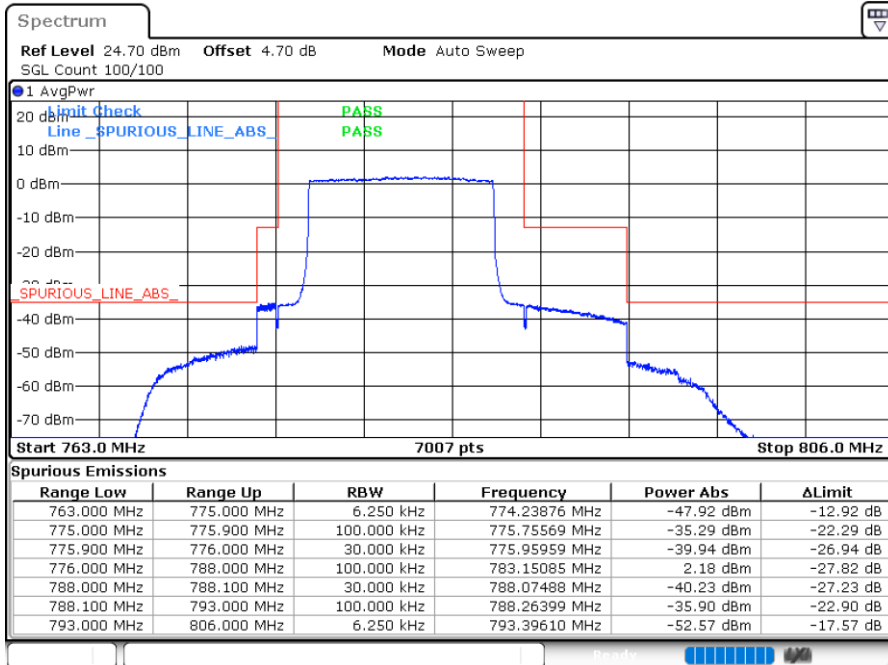
Date: 27.JAN.2022 21:33:42

middle Band Edge / 1 RB



Date: 27.JAN.2022 21:44:59

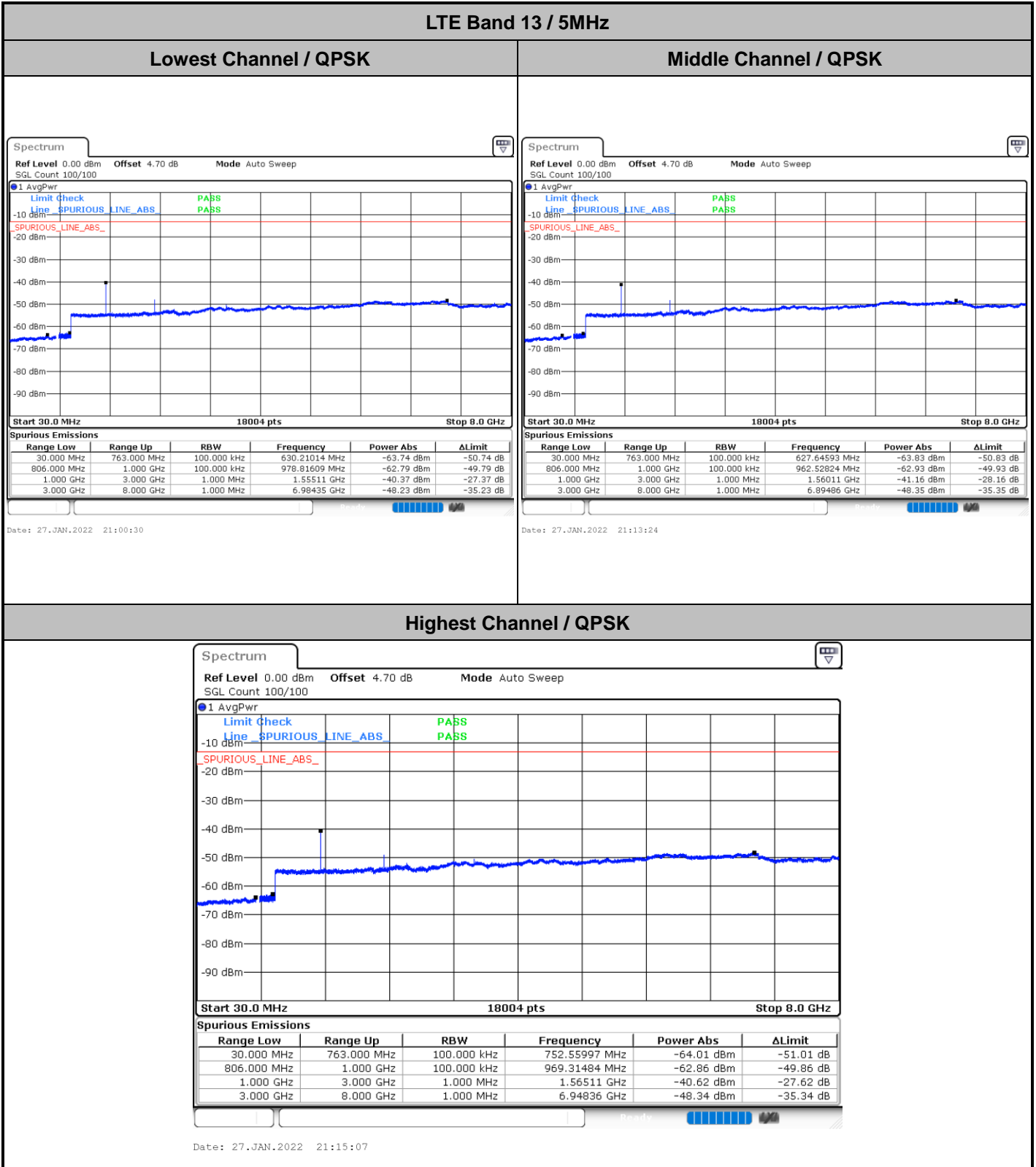
middle Band Edge / Full RB



Date: 27.JAN.2022 21:35:35



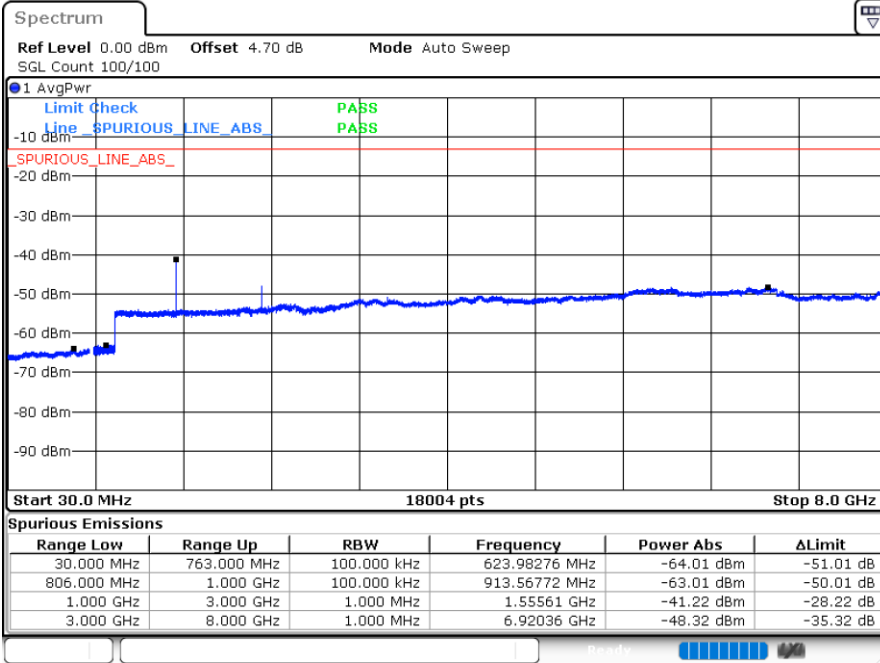
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 27.JAN.2022 21:28:13



Frequency Stability

Test Conditions		LTE Band 13 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0026	PASS
40	Normal Voltage	0.0018	
30	Normal Voltage	0.0036	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0023	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0016	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0032	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 26

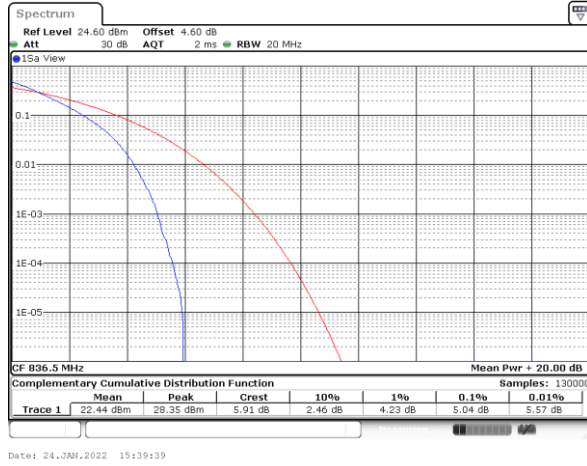
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.04	5.83	6.14	PASS

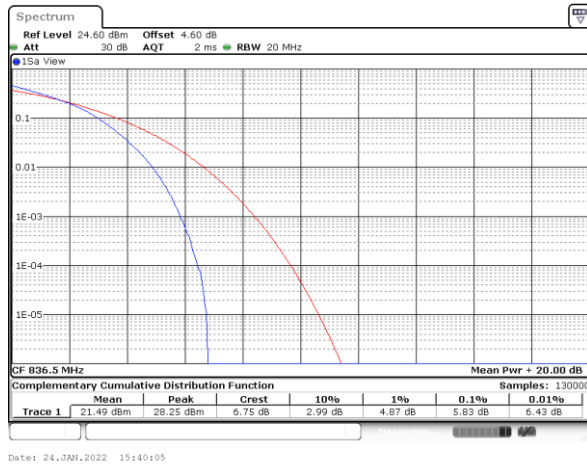


LTE Band 26 / 15MHz

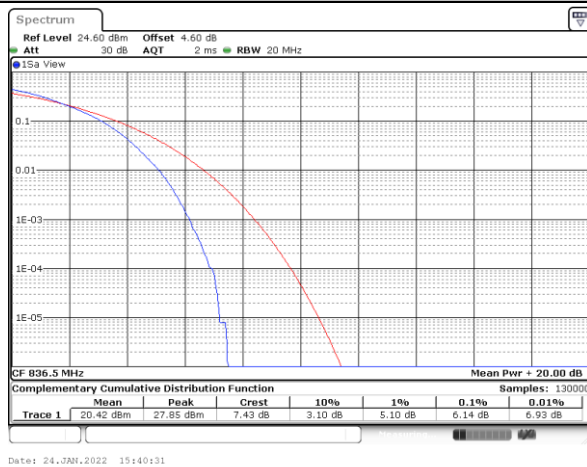
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



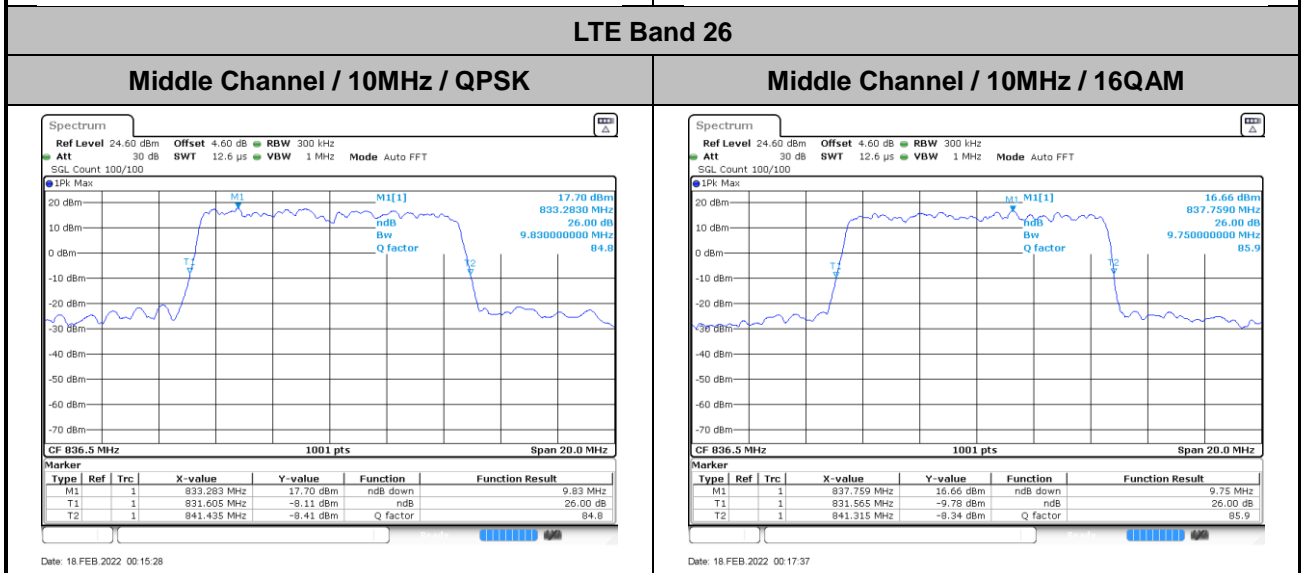
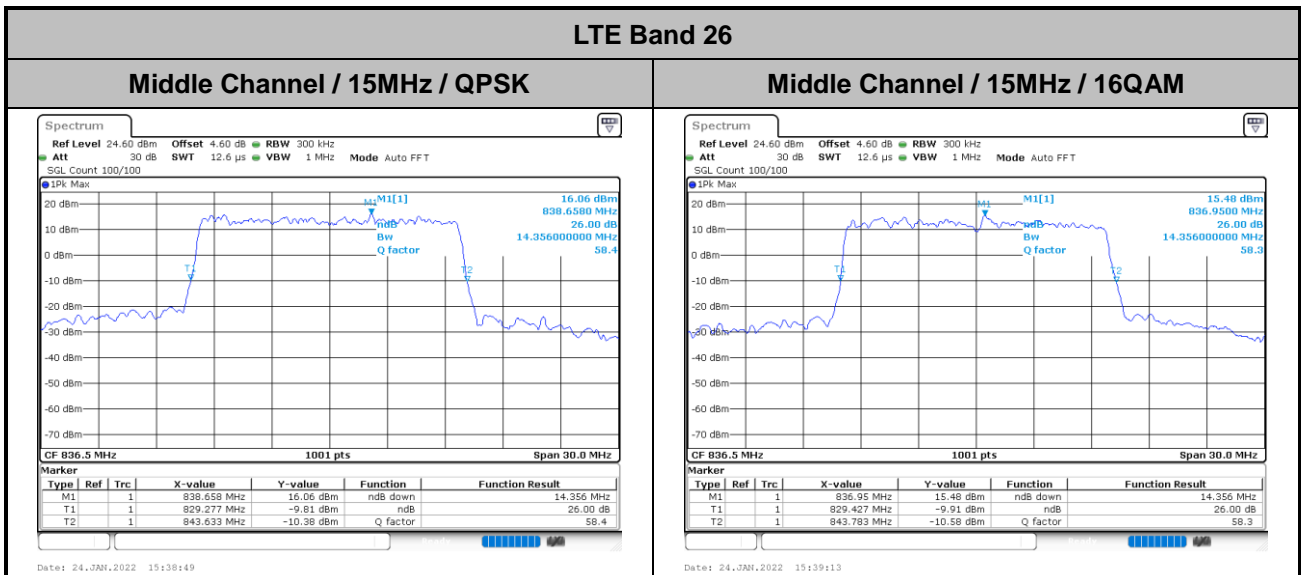
Middle Channel / Full RB/ 64QAM





26dB Bandwidth

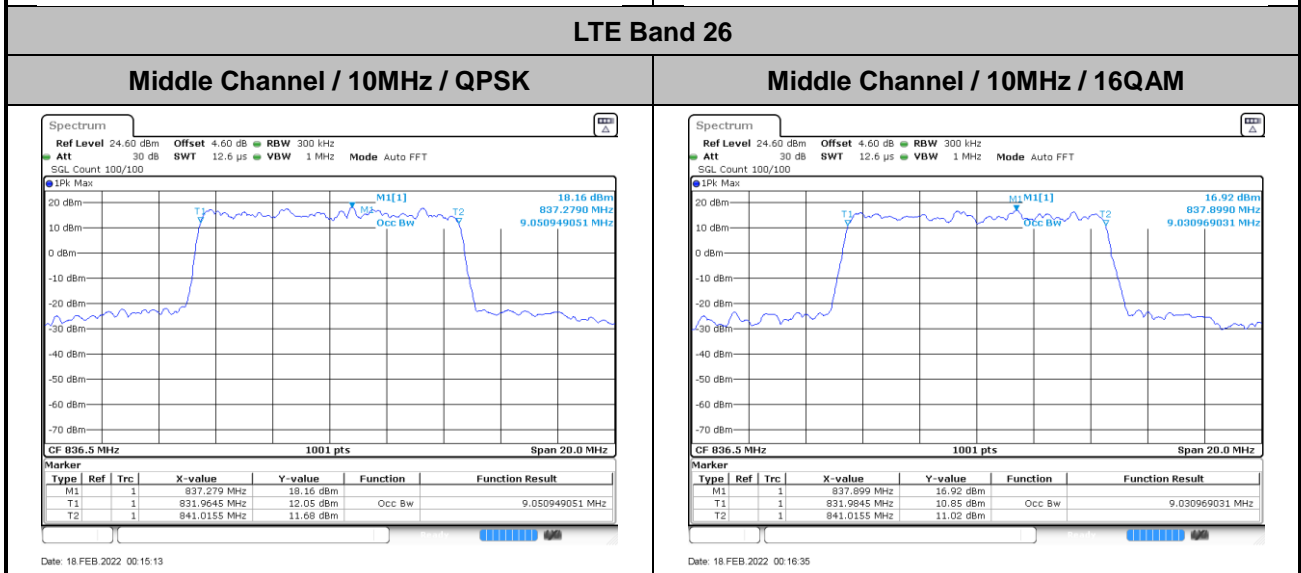
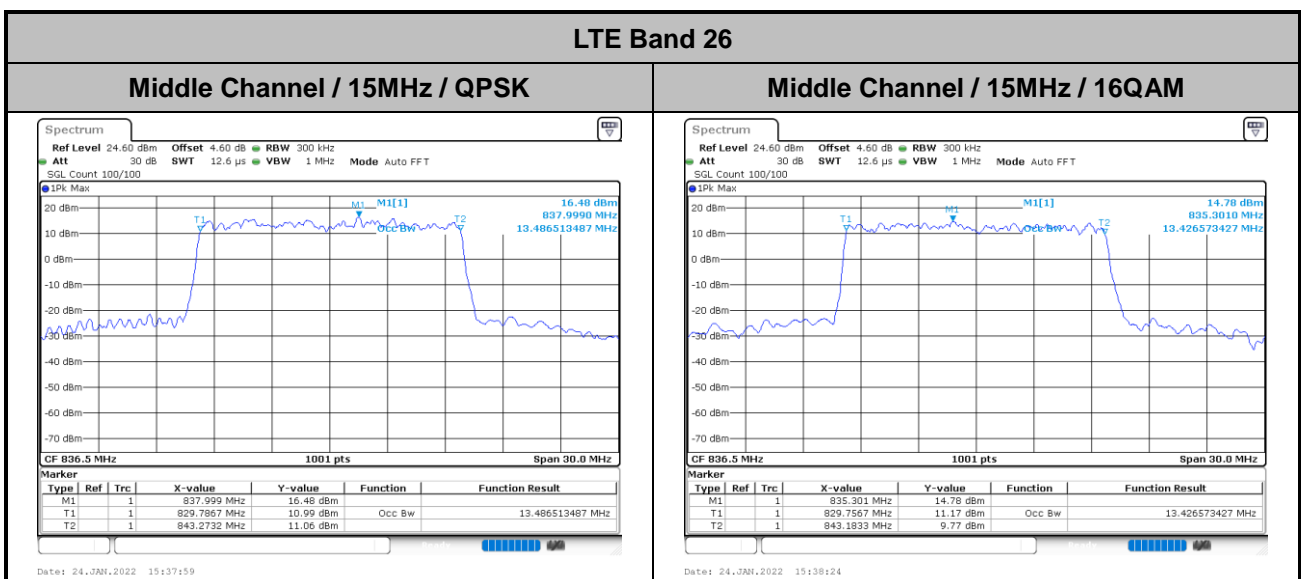
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.36	14.36
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	9.75





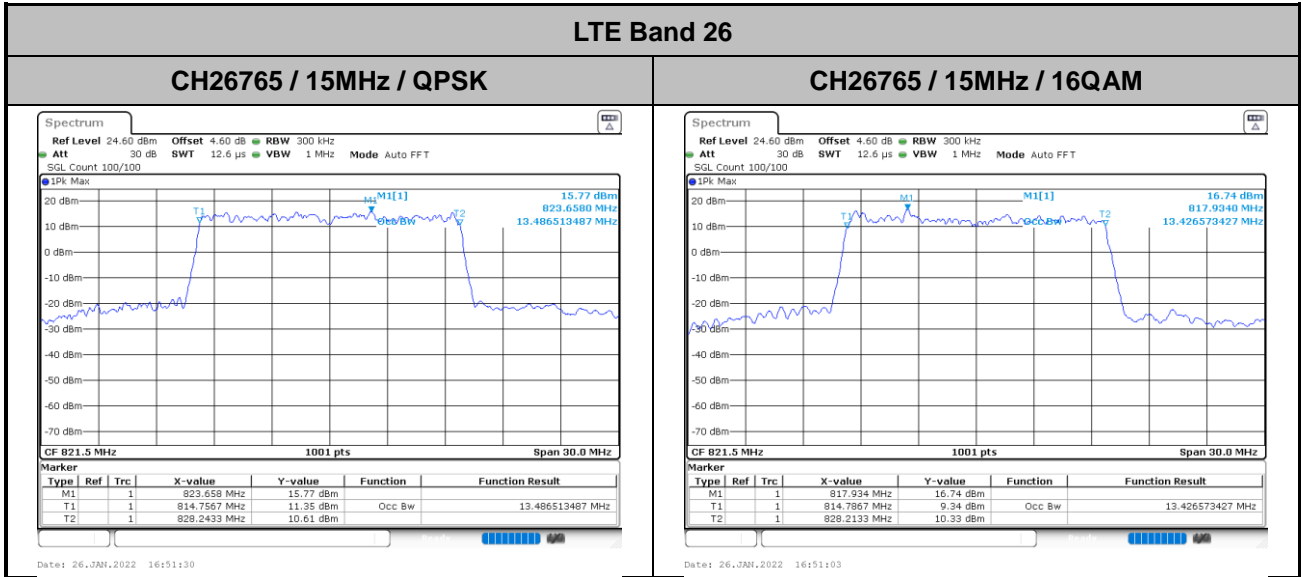
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.49	13.43
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.03



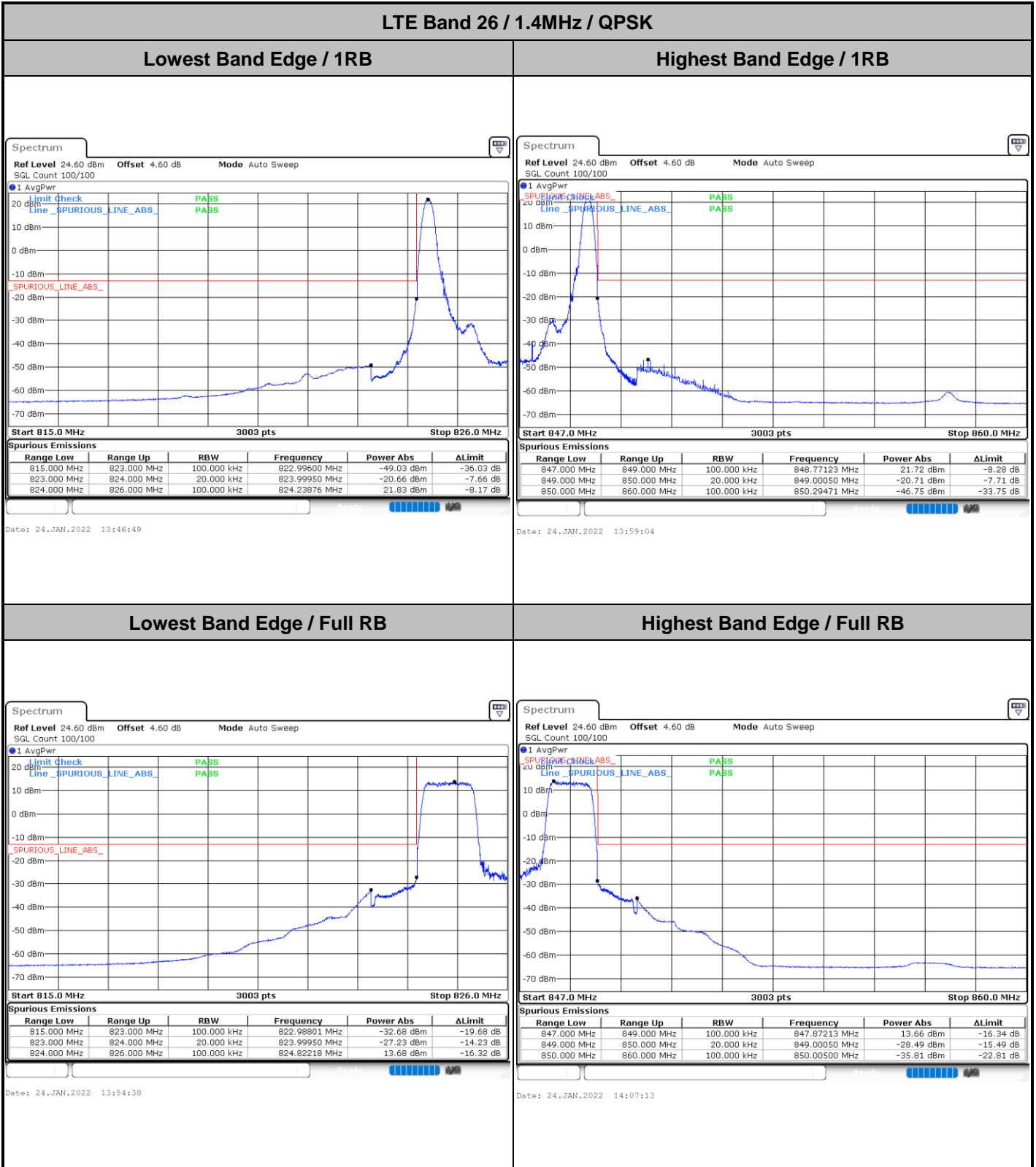


Mode	LTE Band 26 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Low CH	13.49	13.43





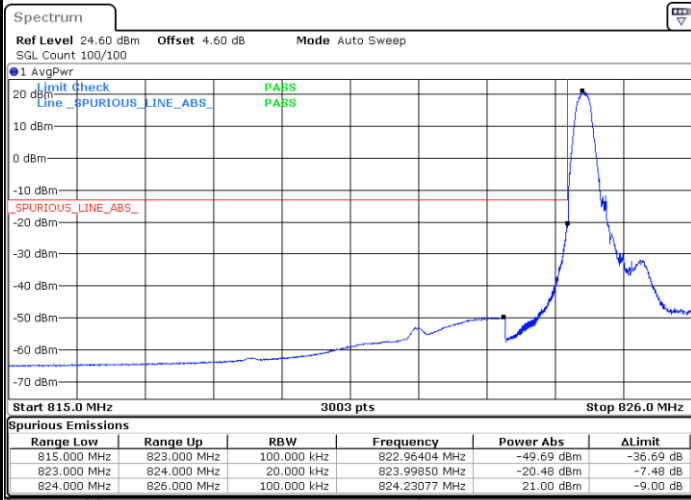
Conducted Band Edge





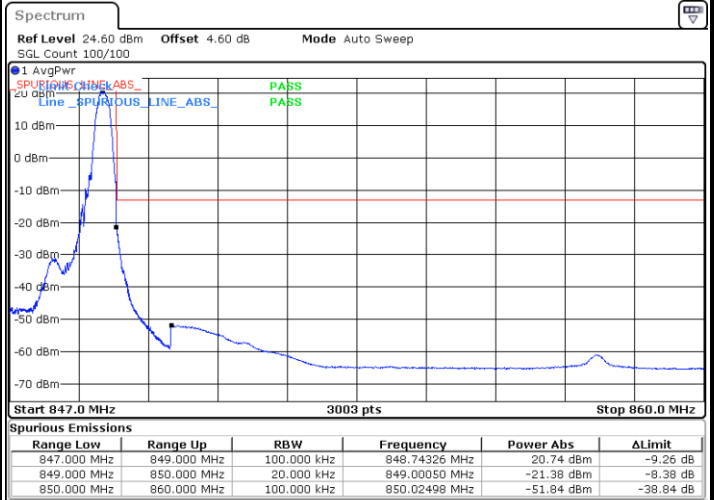
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB



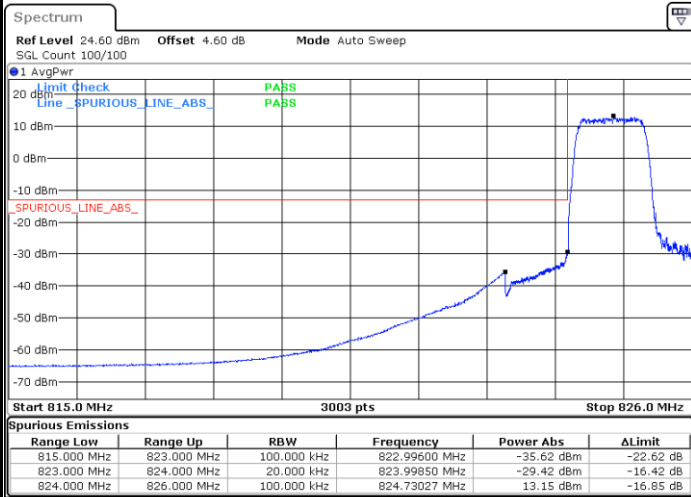
Date: 24.JAN.2022 13:48:23

Highest Band Edge / 1 RB



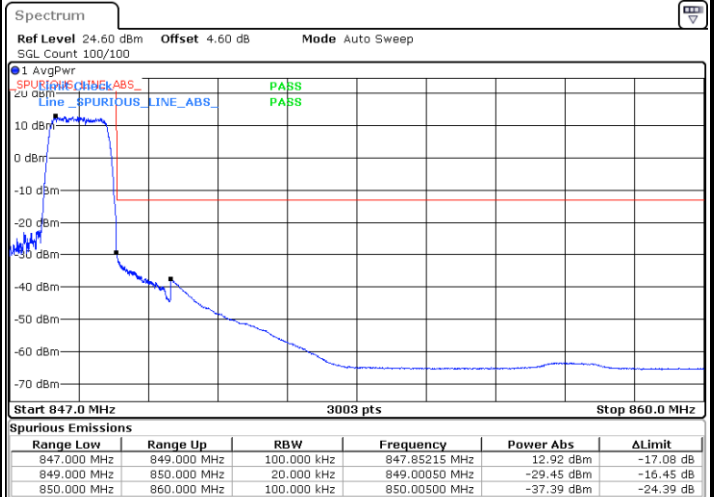
Date: 24.JAN.2022 14:00:42

Lowest Band Edge / Full RB



Date: 24.JAN.2022 13:53:04

Highest Band Edge / Full RB

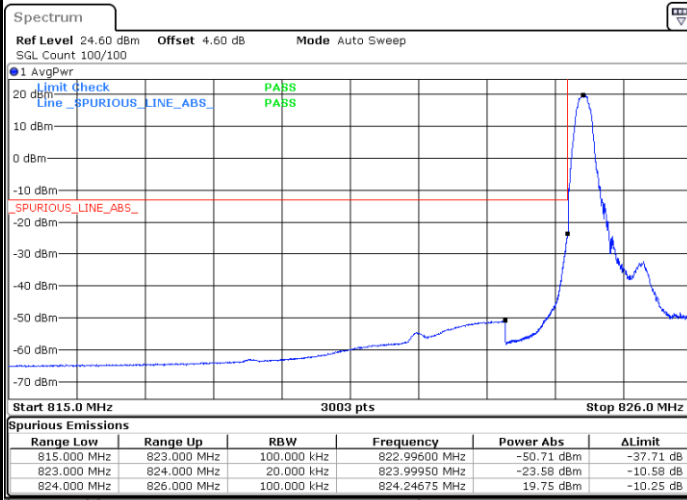


Date: 24.JAN.2022 14:05:35



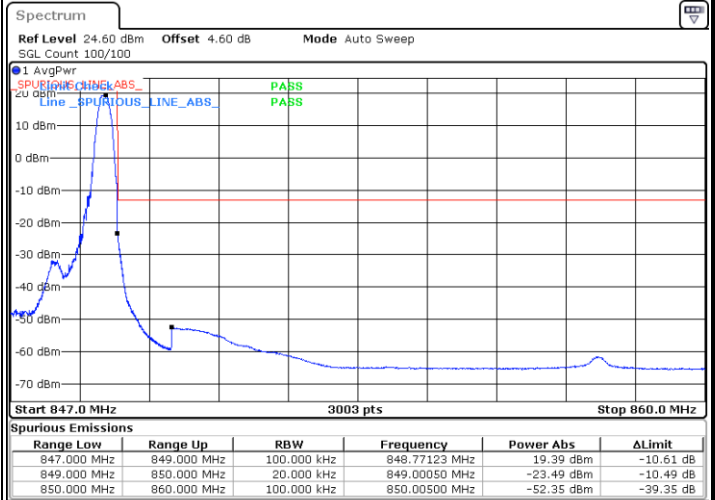
LTE Band 26 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



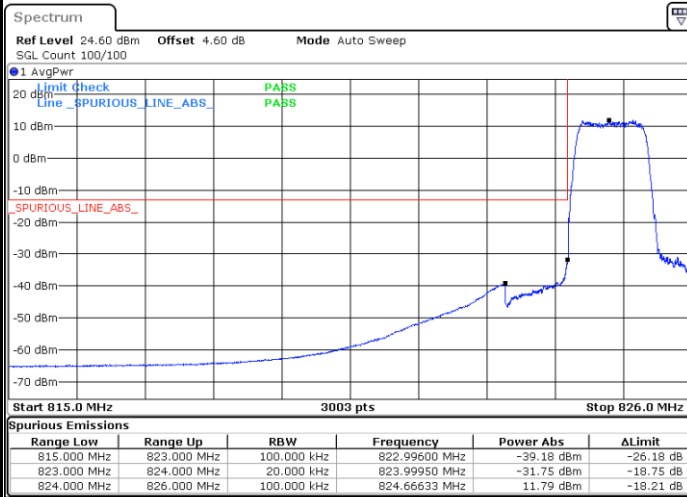
Date: 24.JAN.2022 13:49:57

Highest Band Edge / 1 RB



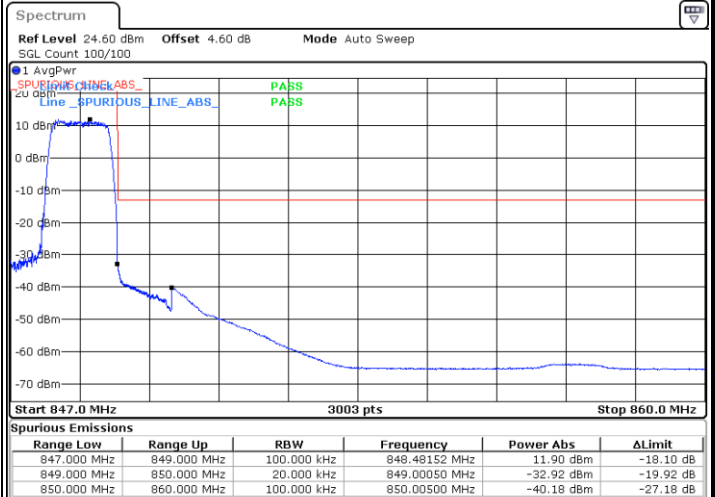
Date: 24.JAN.2022 14:02:20

Lowest Band Edge / Full RB



Date: 24.JAN.2022 13:51:30

Highest Band Edge / Full RB

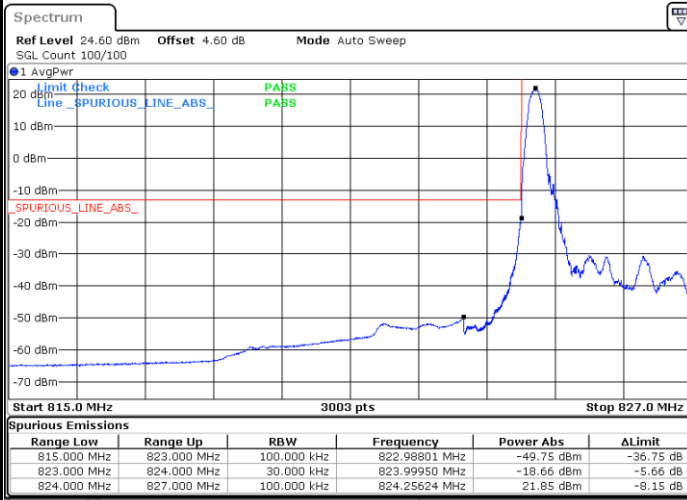


Date: 24.JAN.2022 14:03:58



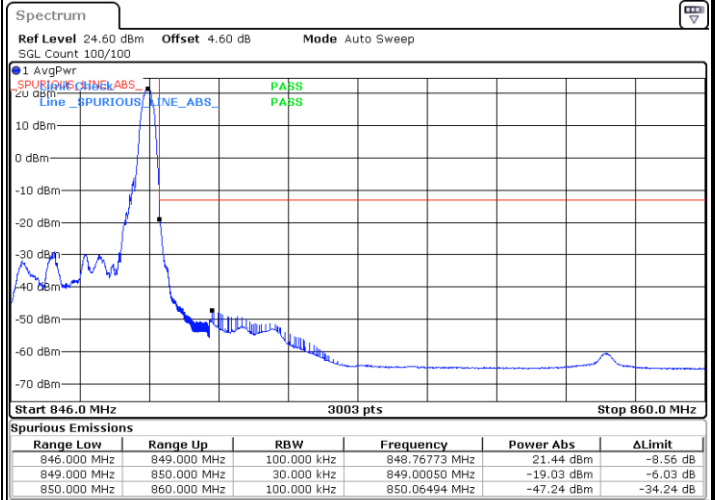
LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB



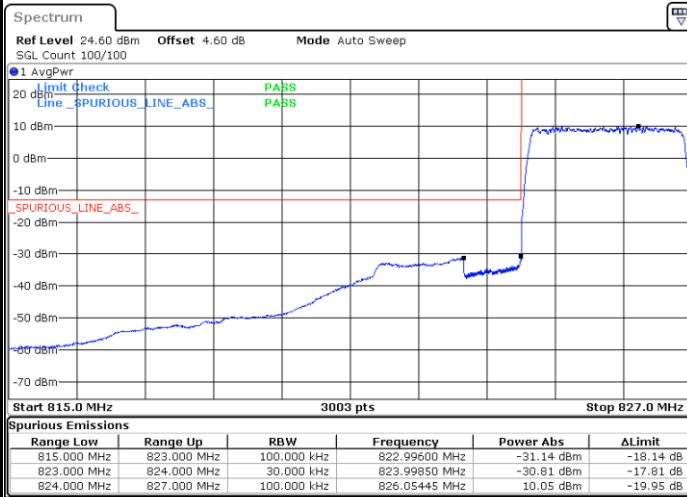
Date: 24.JAN.2022 14:10:00

Highest Band Edge / 1 RB



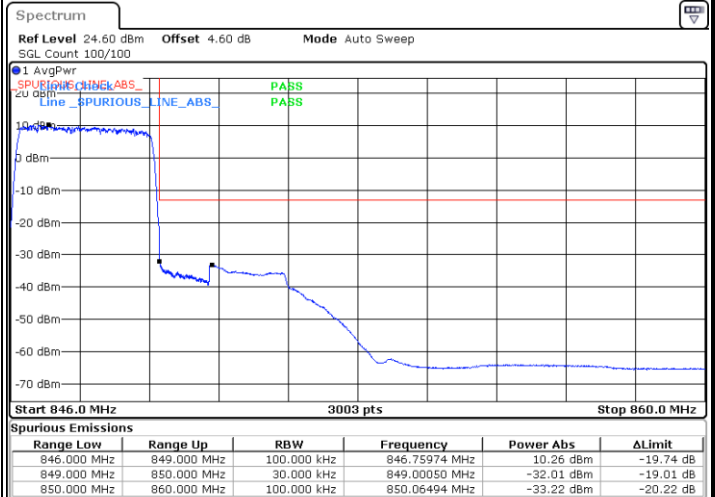
Date: 24.JAN.2022 14:22:04

Lowest Band Edge / Full RB



Date: 24.JAN.2022 14:17:46

Highest Band Edge / Full RB

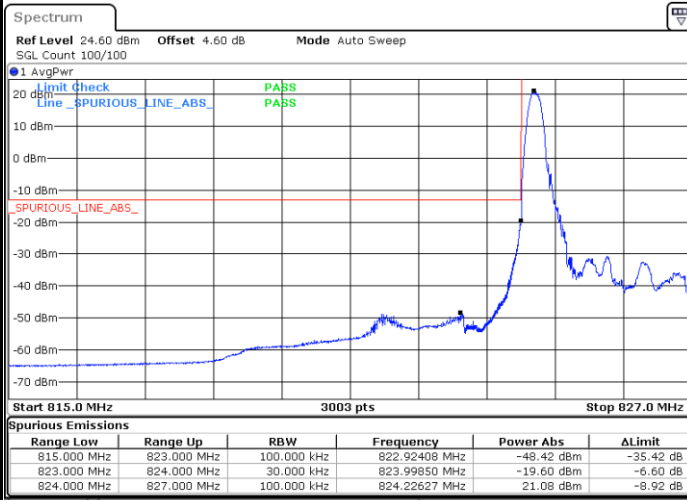


Date: 24.JAN.2022 14:29:49



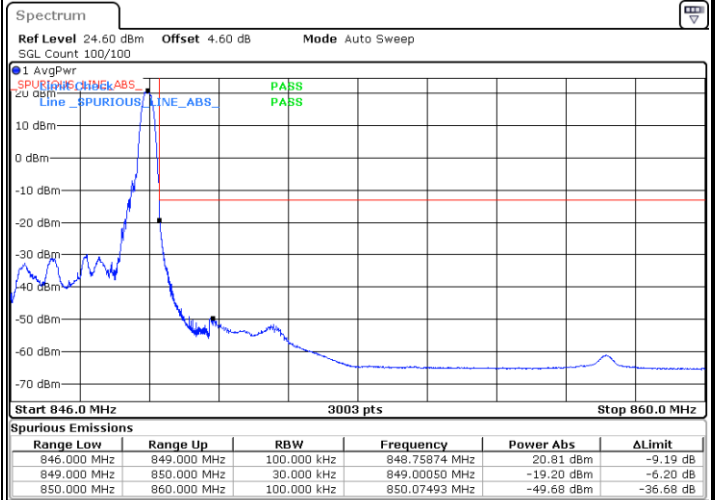
LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



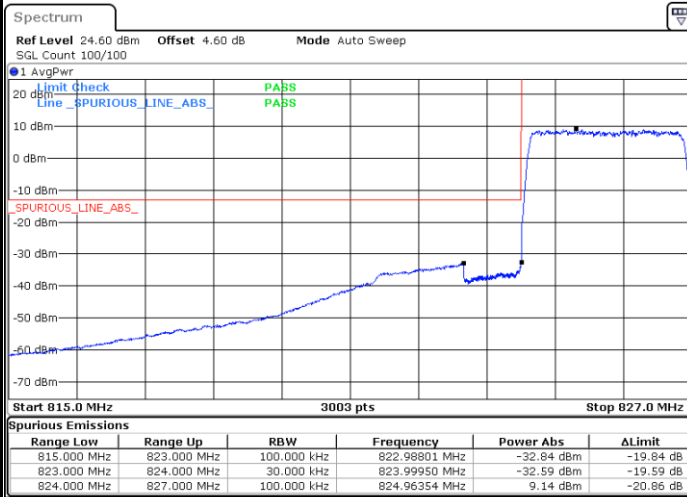
Date: 24.JAN.2022 14:11:33

Highest Band Edge / 1 RB



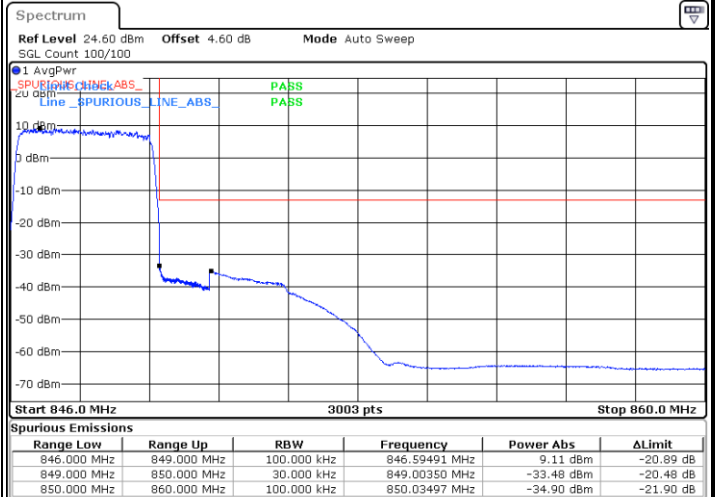
Date: 24.JAN.2022 14:23:37

Lowest Band Edge / Full RB



Date: 24.JAN.2022 14:16:13

Highest Band Edge / Full RB

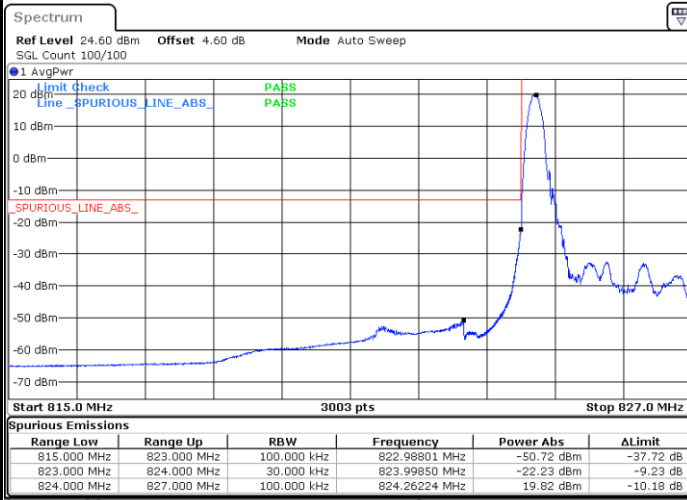


Date: 24.JAN.2022 14:28:16



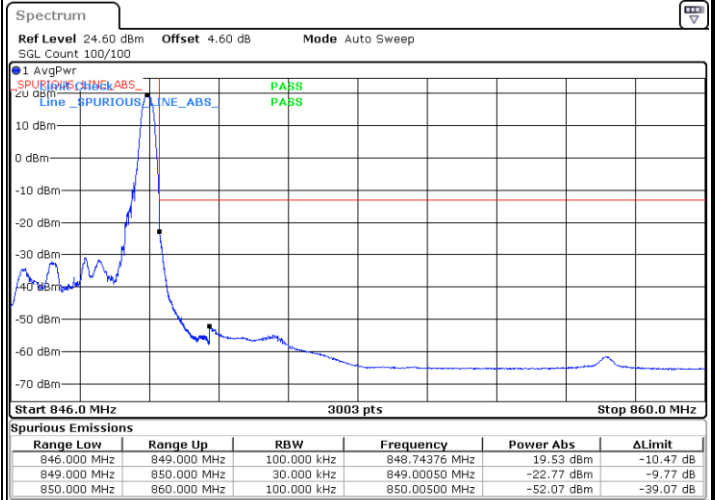
LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



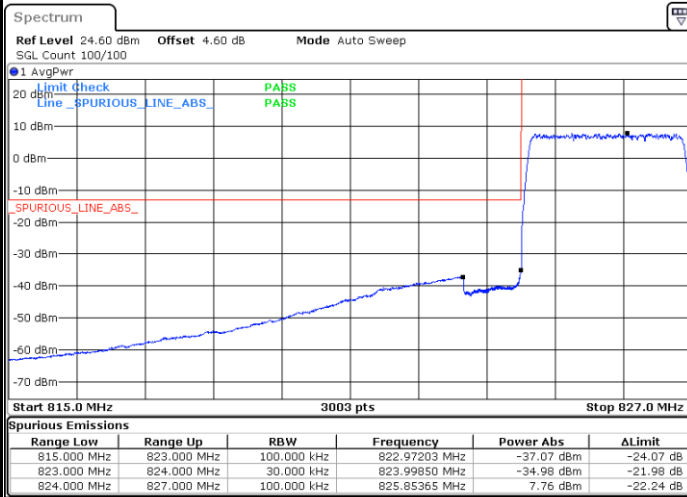
Date: 24.JAN.2022 14:13:07

Highest Band Edge / 1 RB



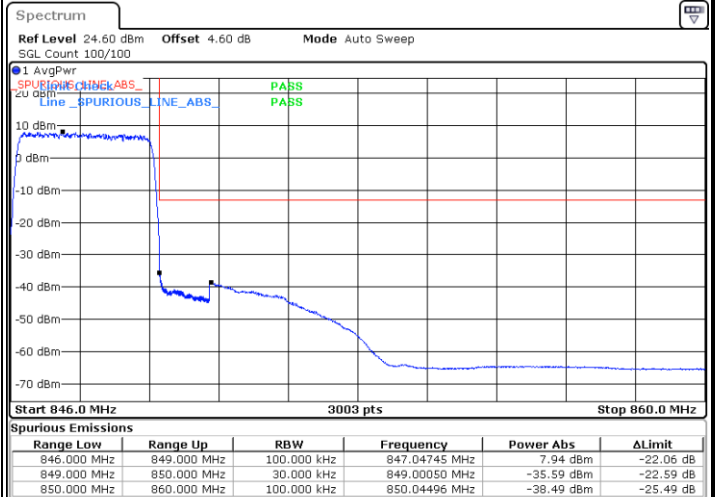
Date: 24.JAN.2022 14:25:10

Lowest Band Edge / Full RB



Date: 24.JAN.2022 14:14:40

Highest Band Edge / Full RB



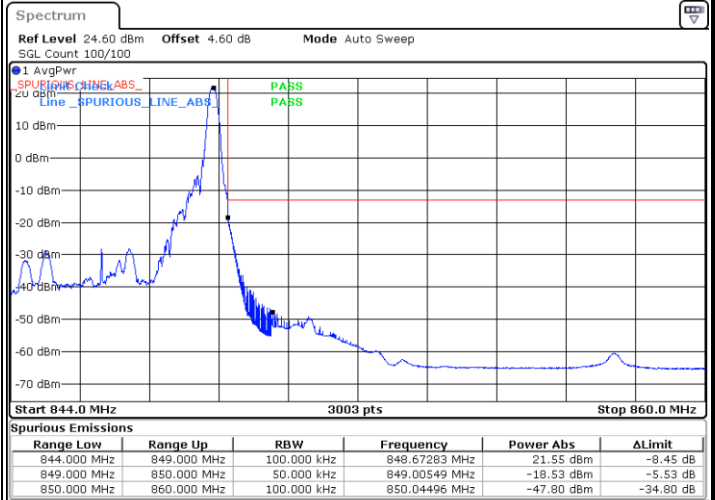
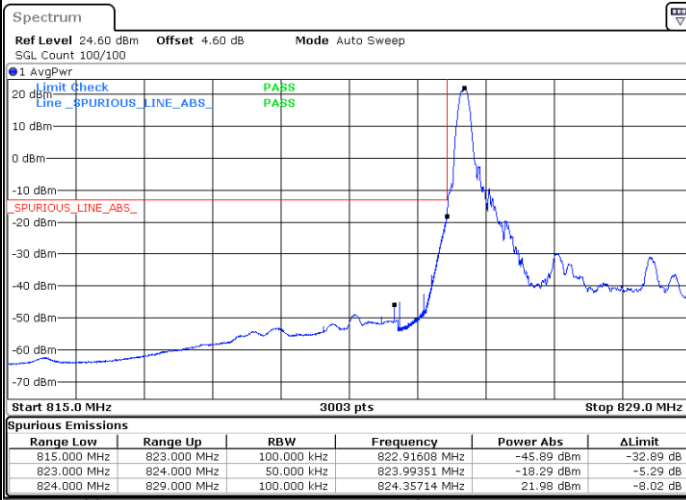
Date: 24.JAN.2022 14:26:43



LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

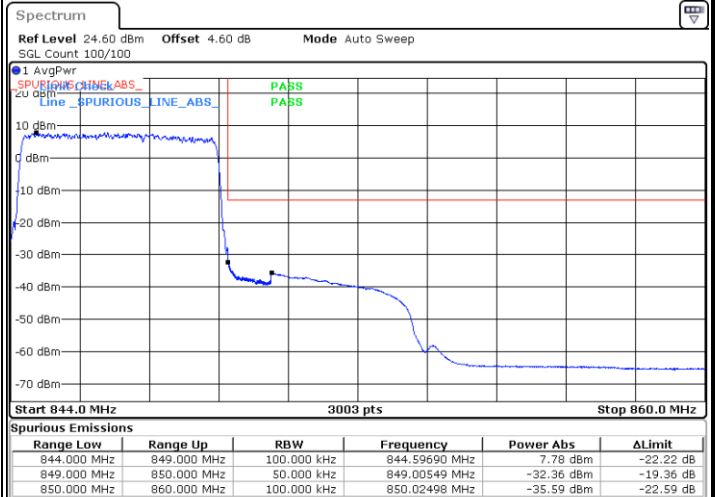
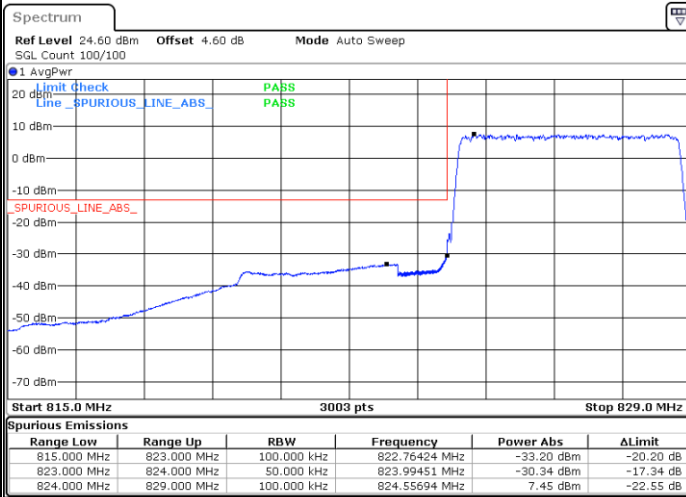


Date: 24.JAN.2022 14:32:35

Date: 24.JAN.2022 14:44:38

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 24.JAN.2022 14:40:20

Date: 24.JAN.2022 14:52:22