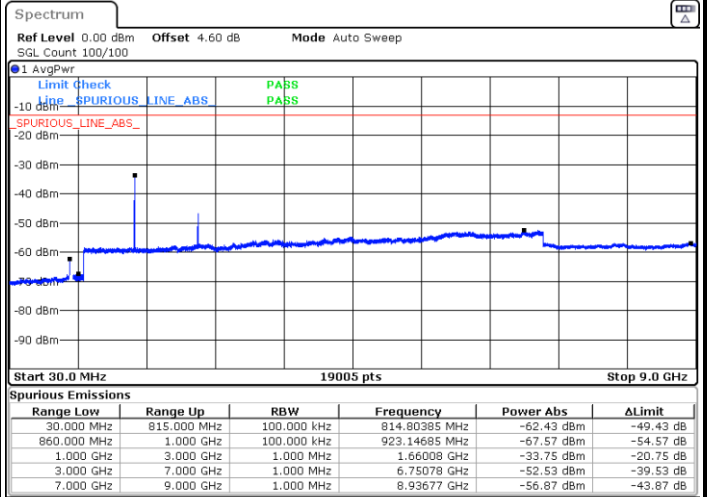
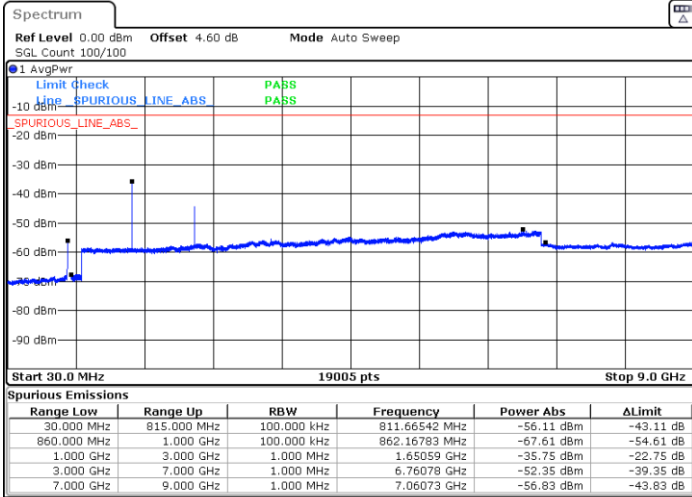




LTE Band 26 / 15MHz

Lowest Channel / QPSK

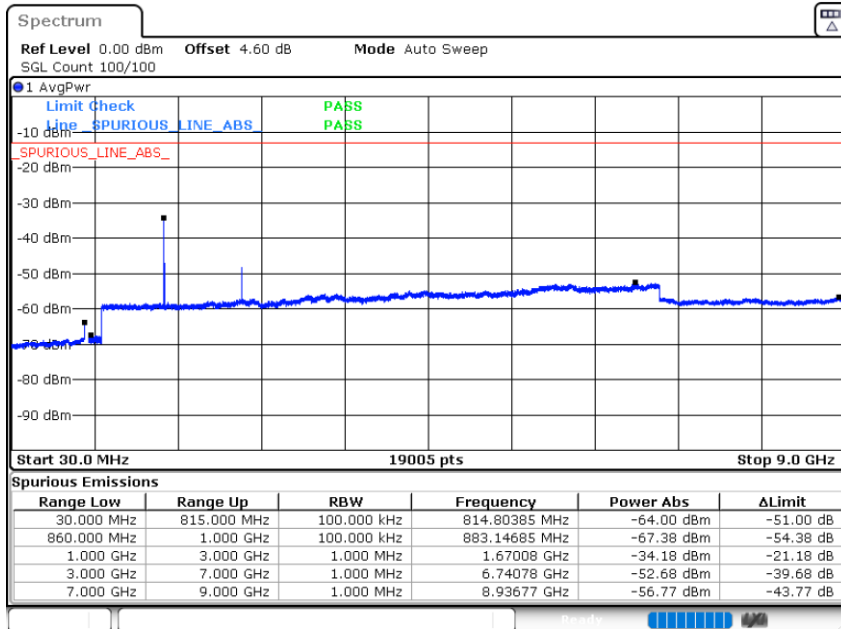
Middle Channel / QPSK



Date: 31.DEC.2021 06:57:58

Date: 31.DEC.2021 06:59:57

Highest Channel / QPSK

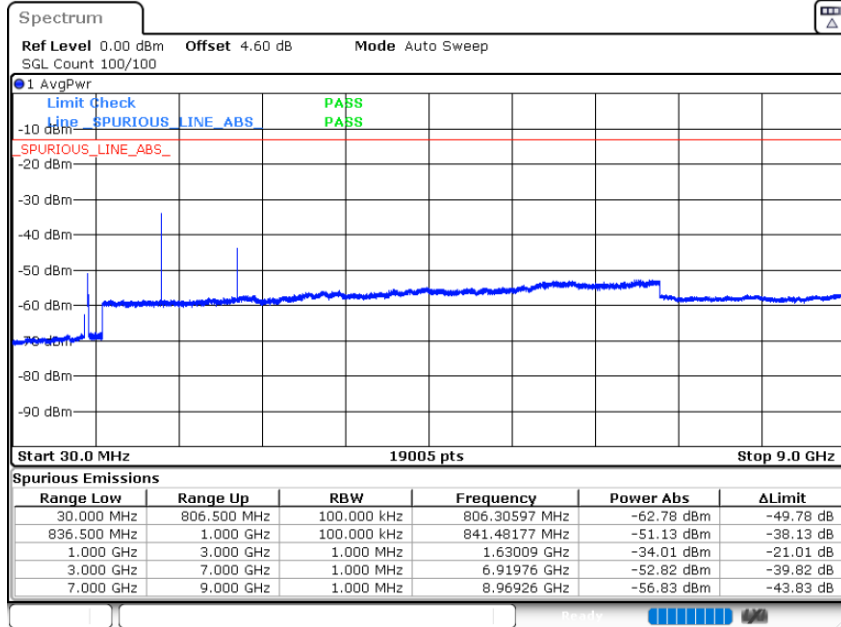


Date: 31.DEC.2021 07:03:42



LTE Band 26 / 15MHz

Channel 26765 / QPSK



Date: 31.DEC.2021 08:37:41



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0011	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0009	
20	Normal Voltage	0.0013	
20	Battery End Point	0.0022	

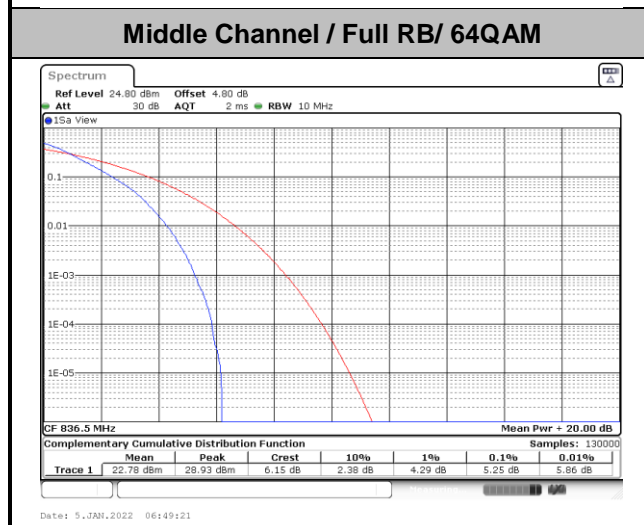
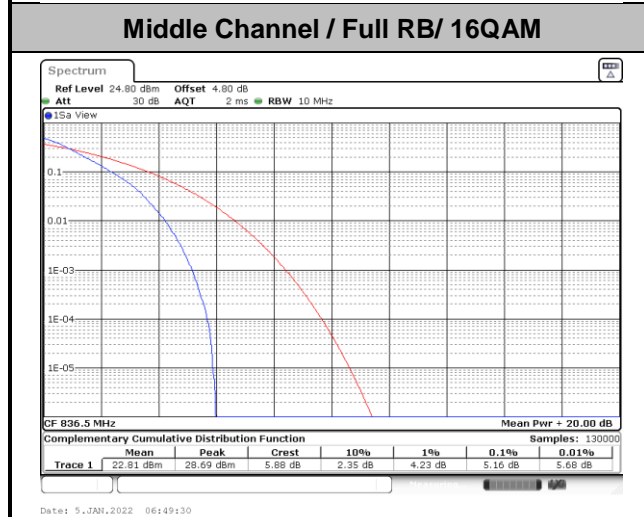
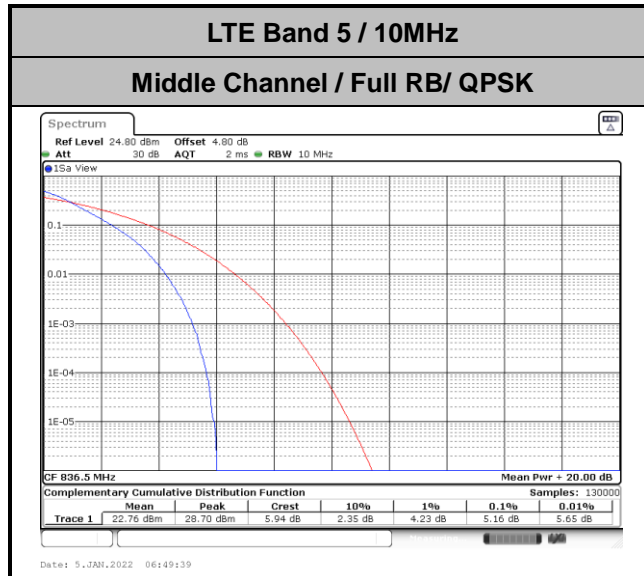
Note: Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.



LTE Band 5 (Other PA)

Peak-to-Average Ratio

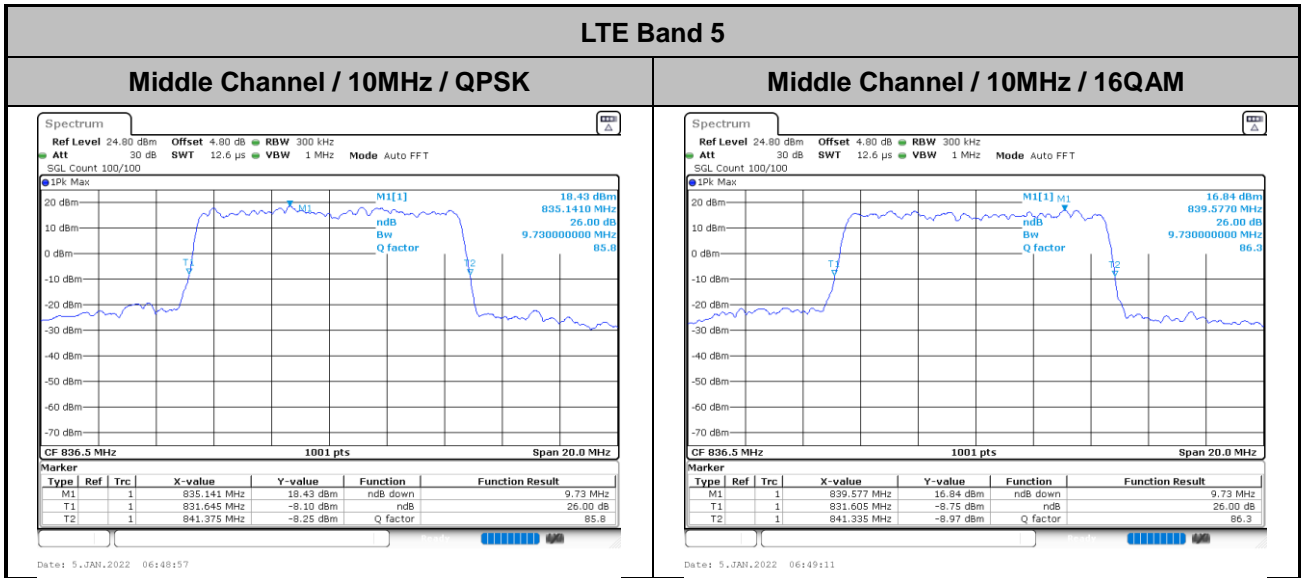
Mode	LTE Band 5 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.16	5.16	5.25	PASS





26dB Bandwidth

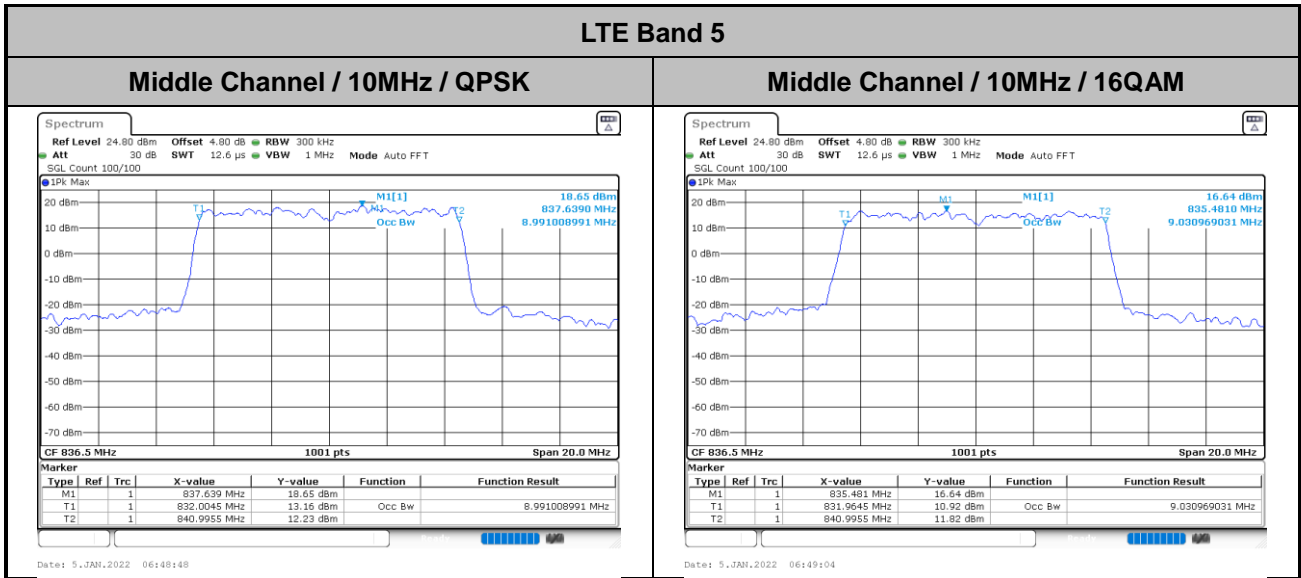
Mode	LTE Band 5 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.73	9.73





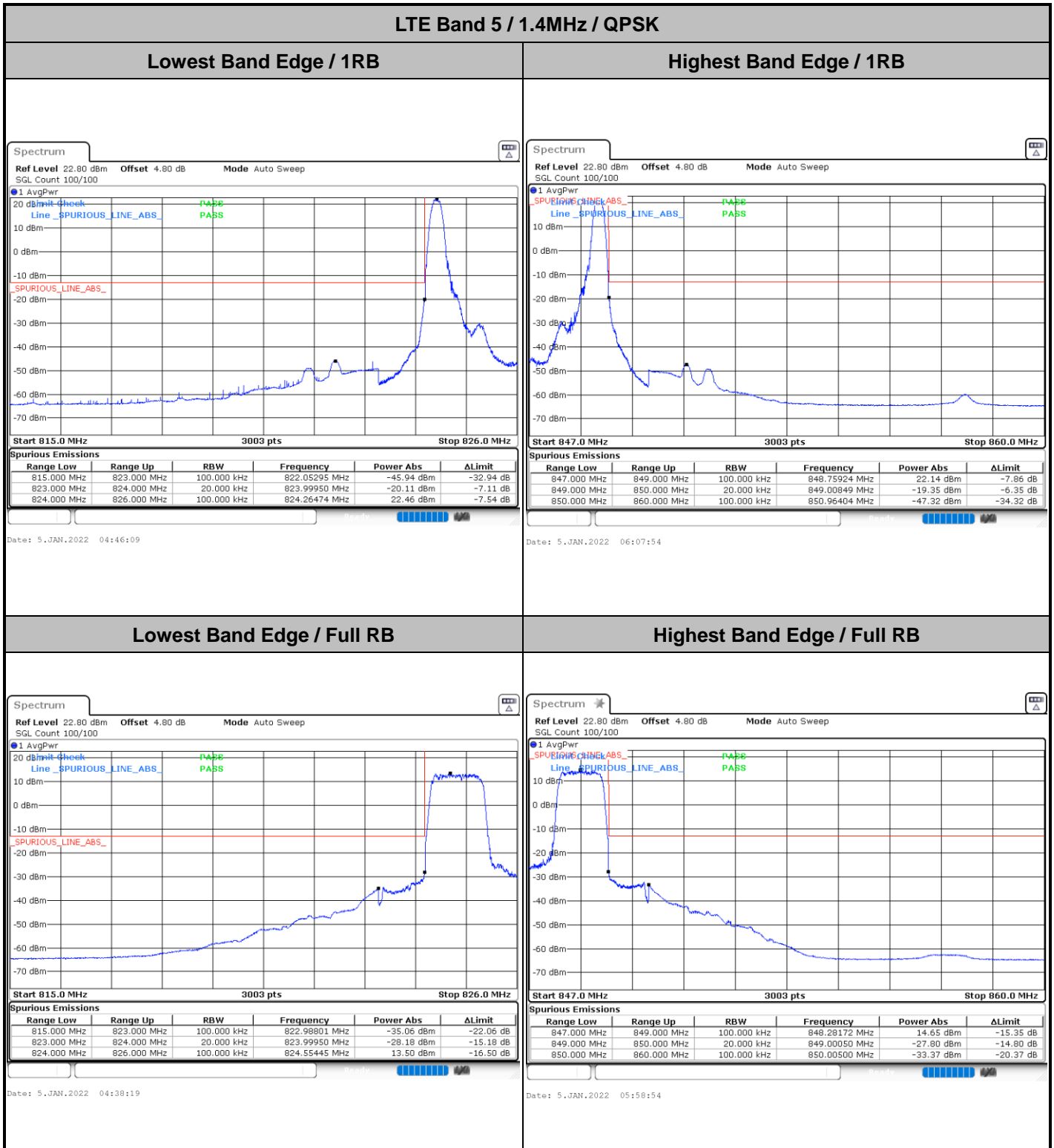
Occupied Bandwidth

Mode	LTE Band 5 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.99	9.03





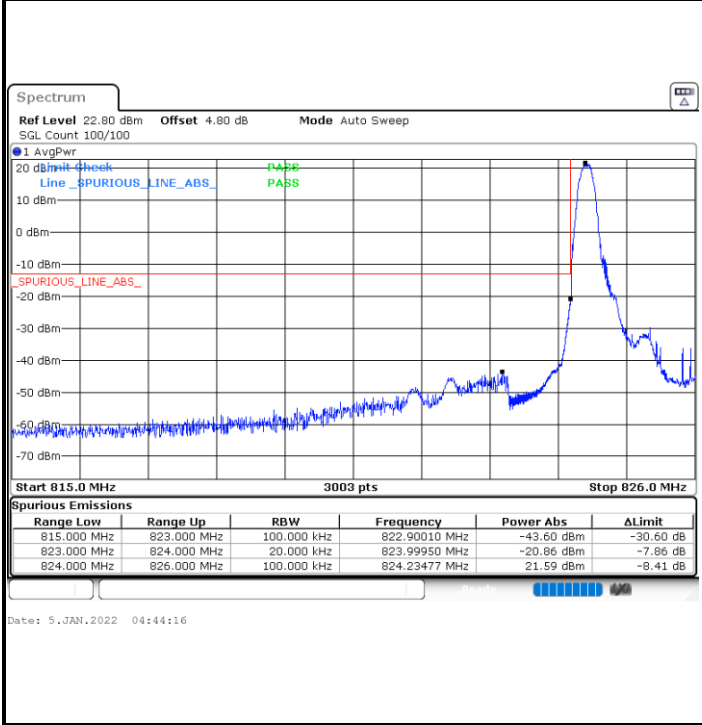
Conducted Band Edge



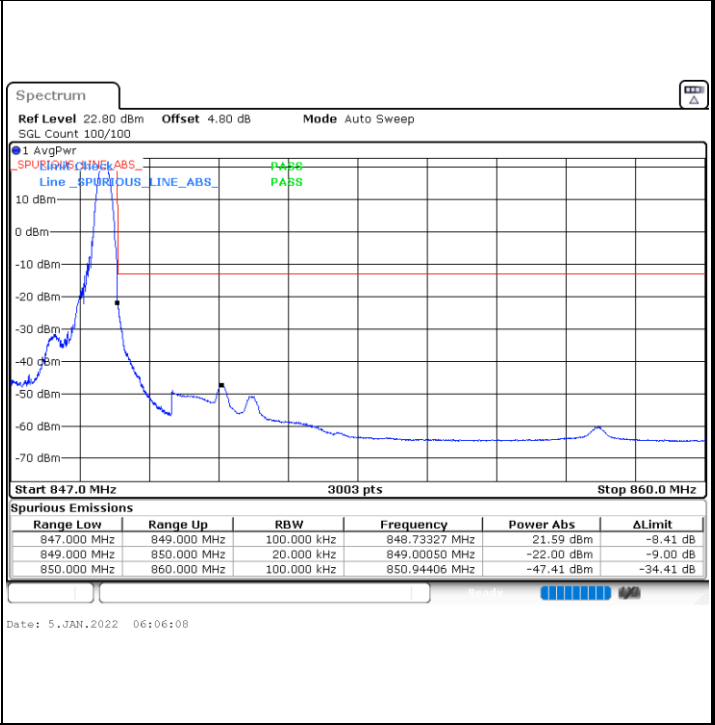


LTE Band 5 / 1.4MHz / 16QAM

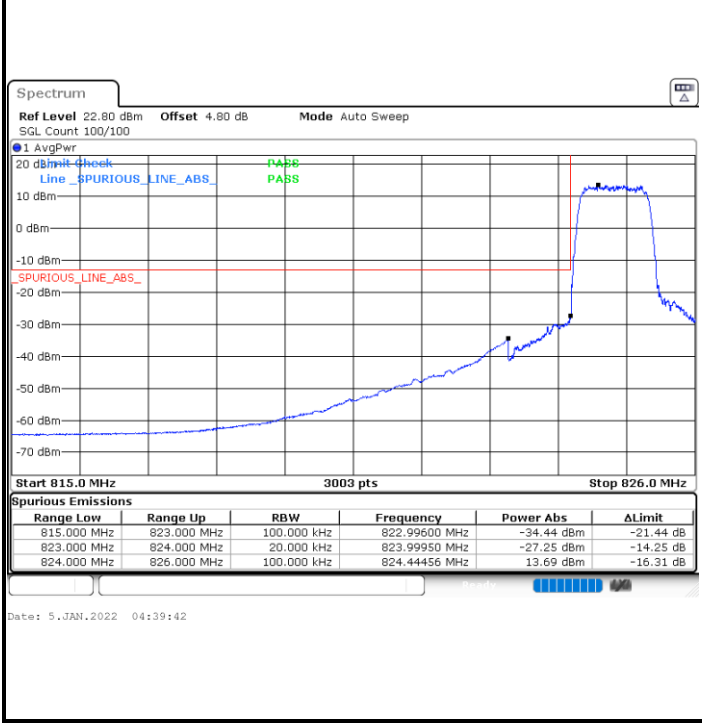
Lowest Band Edge / 1 RB



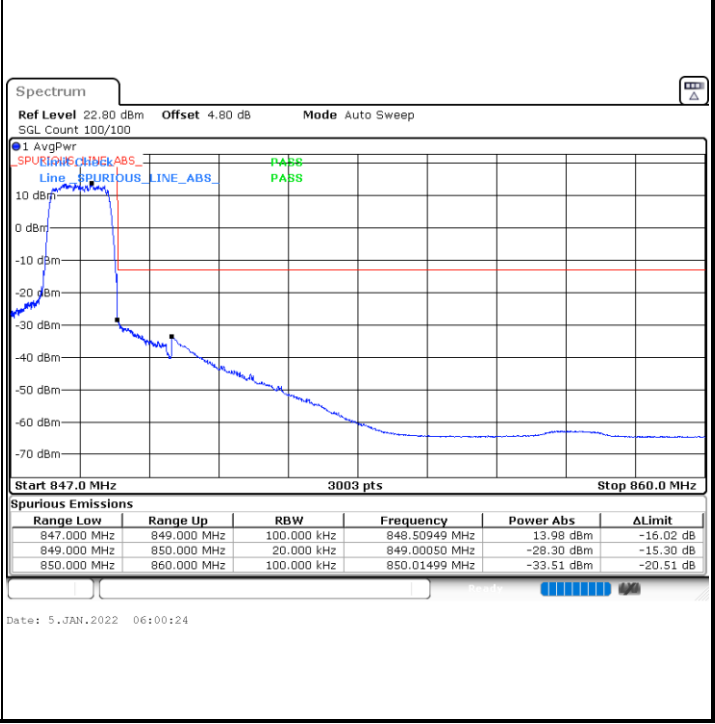
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



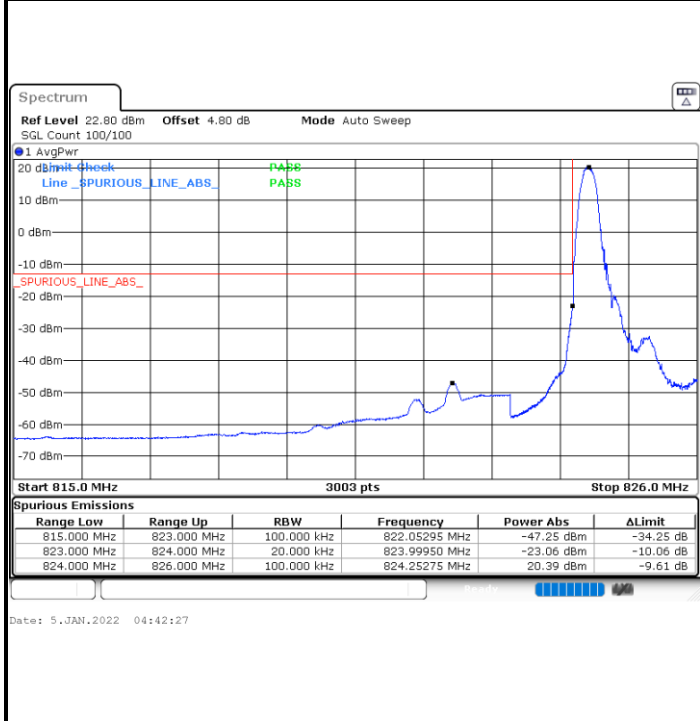
Highest Band Edge / Full RB



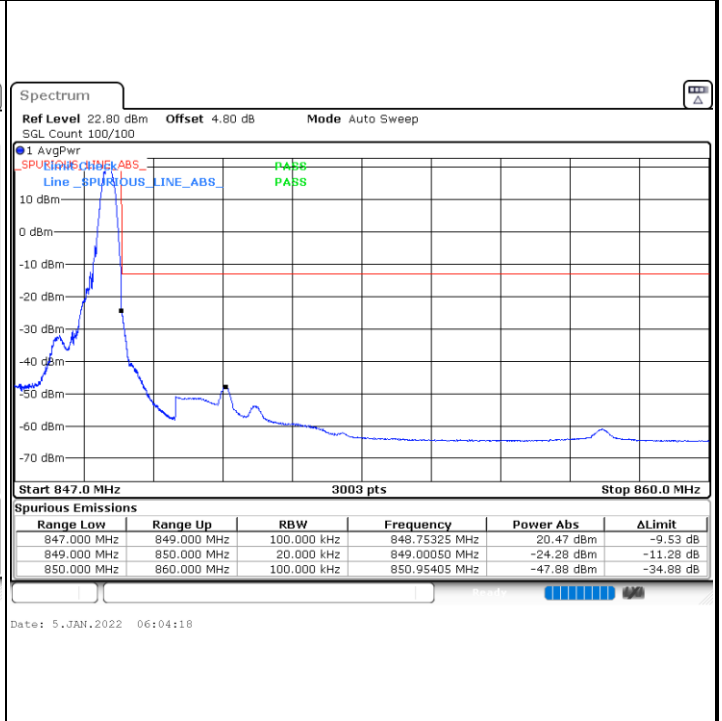


LTE Band 5 / 1.4MHz / 64QAM

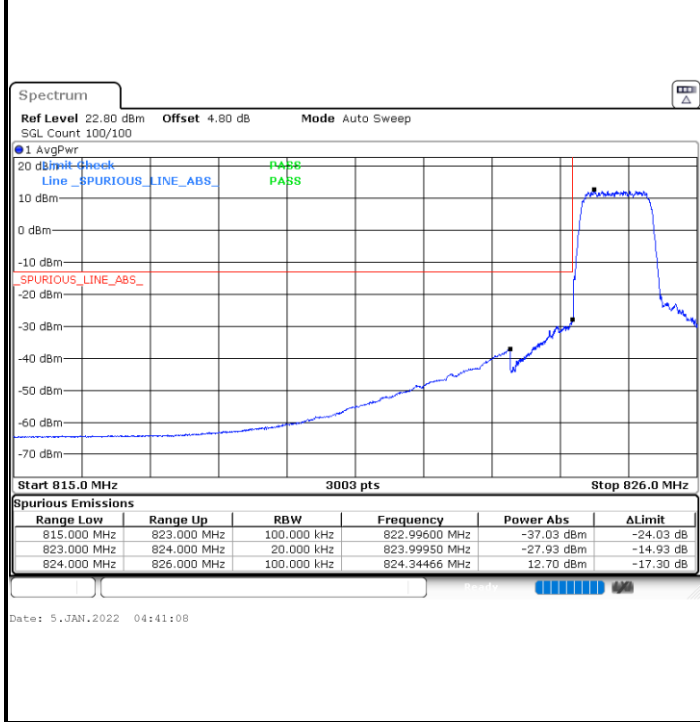
Lowest Band Edge / 1 RB



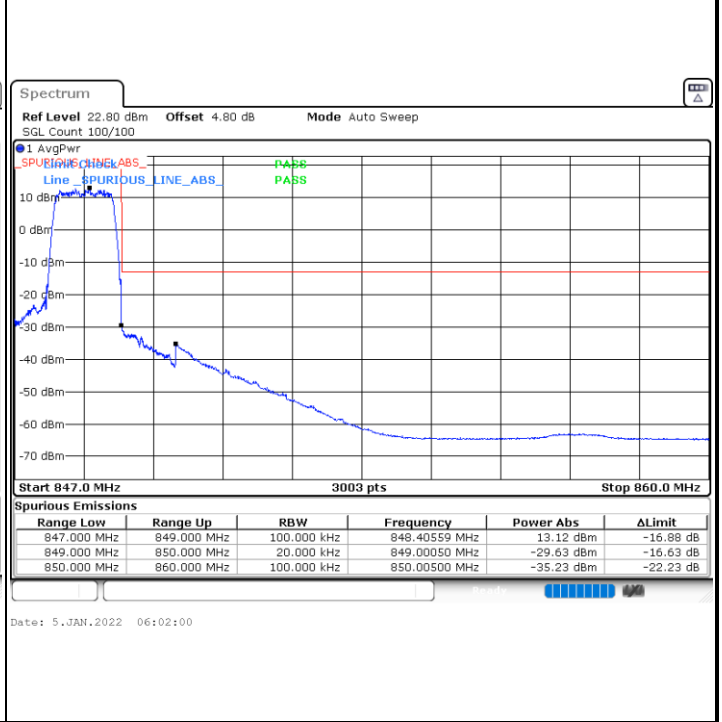
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



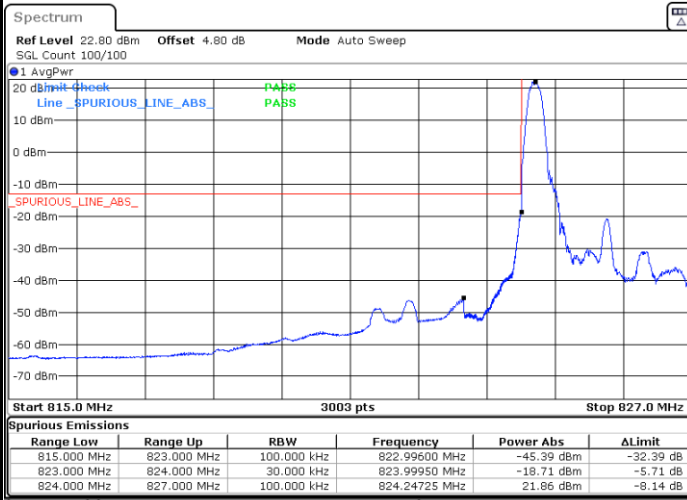
Highest Band Edge / Full RB





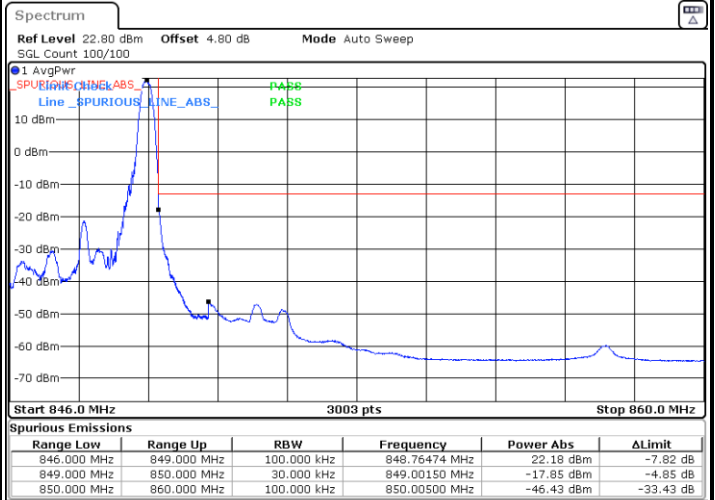
LTE Band 5 / 3MHz / QPSK

Lowest Band Edge / 1RB



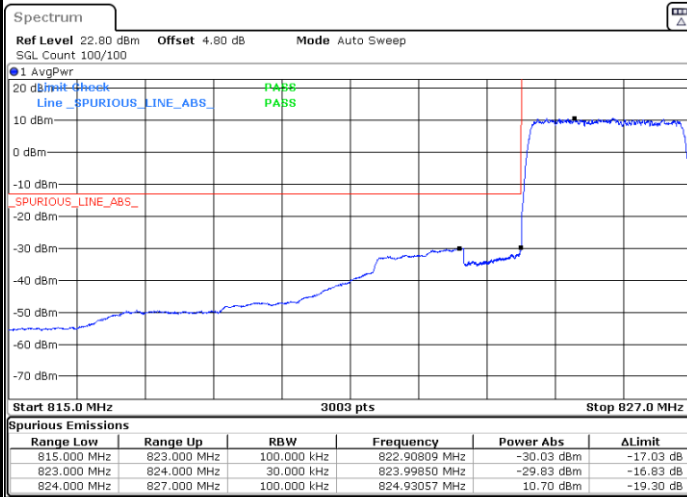
Date: 5, JAN, 2022 06:16:48

Highest Band Edge / 1 RB



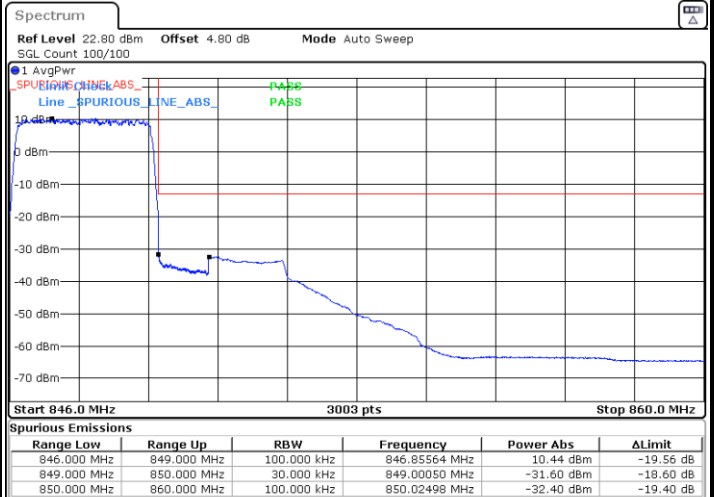
Date: 5, JAN, 2022 06:26:46

Lowest Band Edge / Full RB



Date: 5, JAN, 2022 06:10:23

Highest Band Edge / Full RB

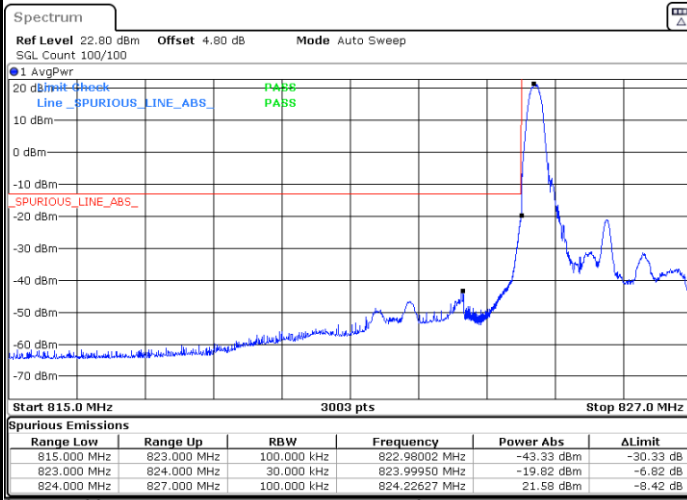


Date: 5, JAN, 2022 06:19:53



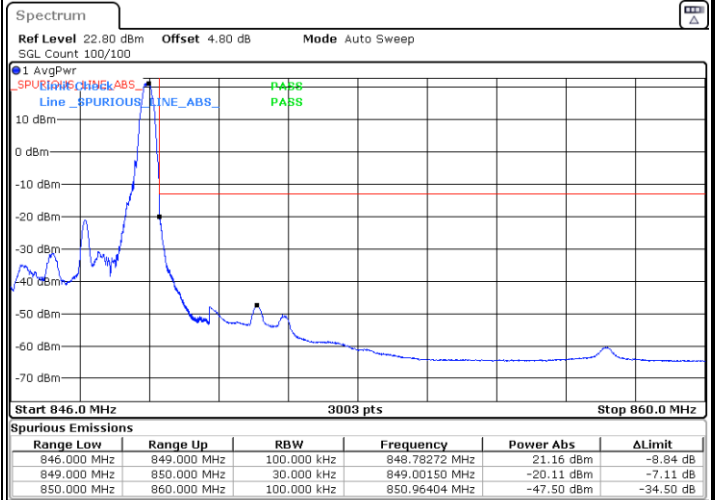
LTE Band 5 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



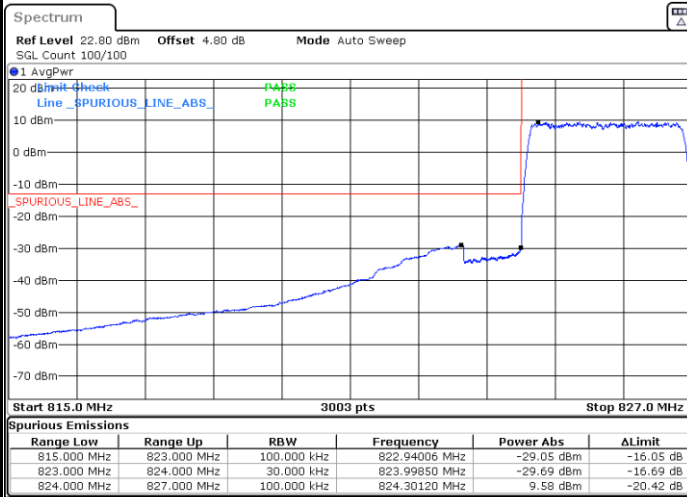
Date: 5.JAN.2022 06:15:40

Highest Band Edge / 1 RB



Date: 5.JAN.2022 06:23:45

Lowest Band Edge / Full RB



Date: 5.JAN.2022 06:11:33

Highest Band Edge / Full RB

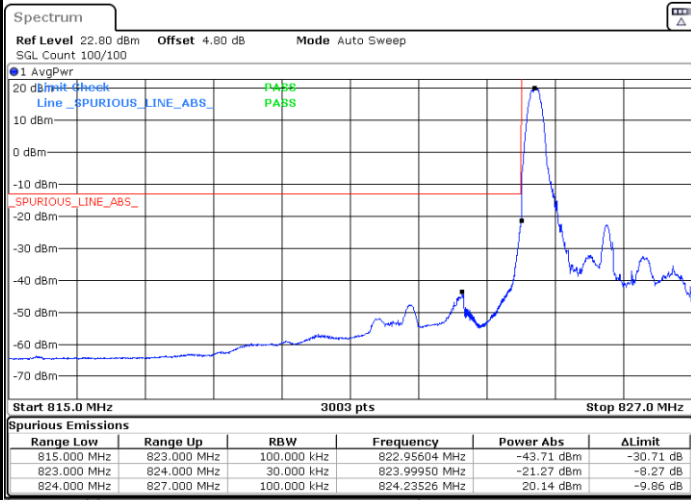


Date: 5.JAN.2022 06:20:54



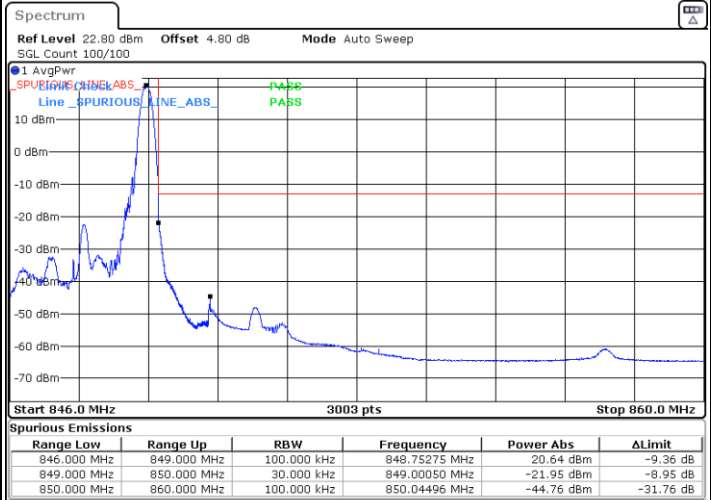
LTE Band 5 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



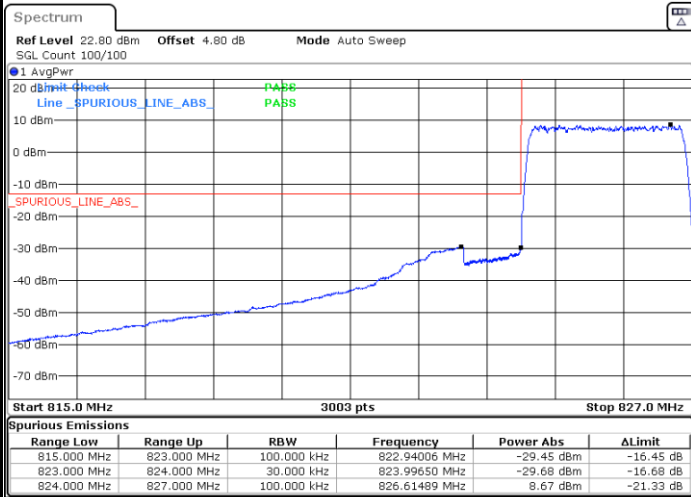
Date: 5, JAN, 2022 06:14:27

Highest Band Edge / 1 RB



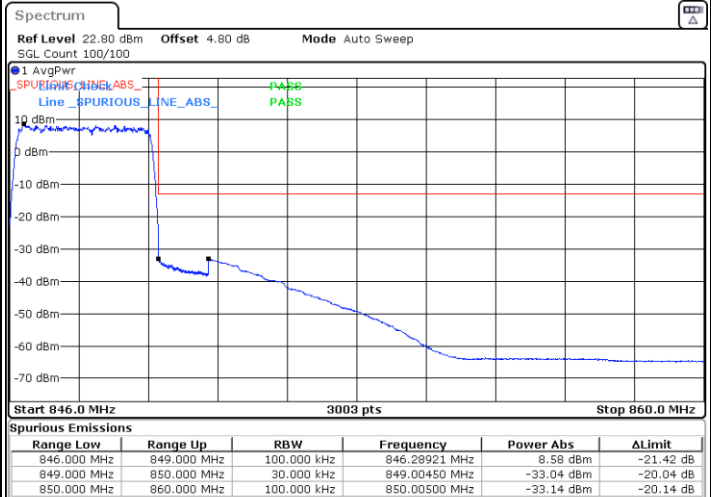
Date: 5, JAN, 2022 06:22:50

Lowest Band Edge / Full RB



Date: 5, JAN, 2022 06:13:04

Highest Band Edge / Full RB

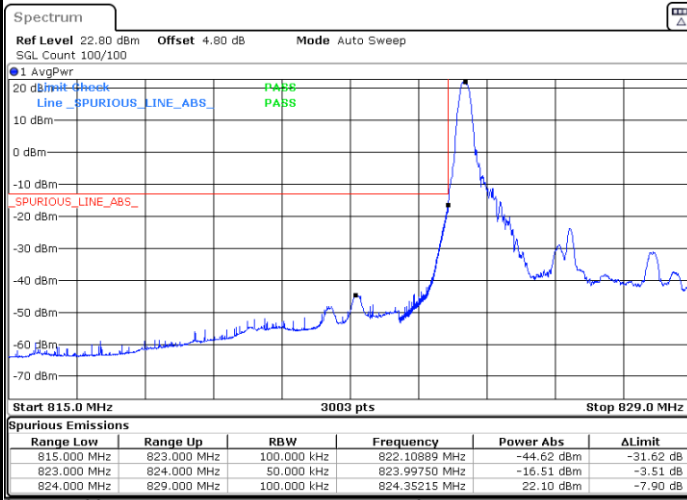


Date: 5, JAN, 2022 06:21:54

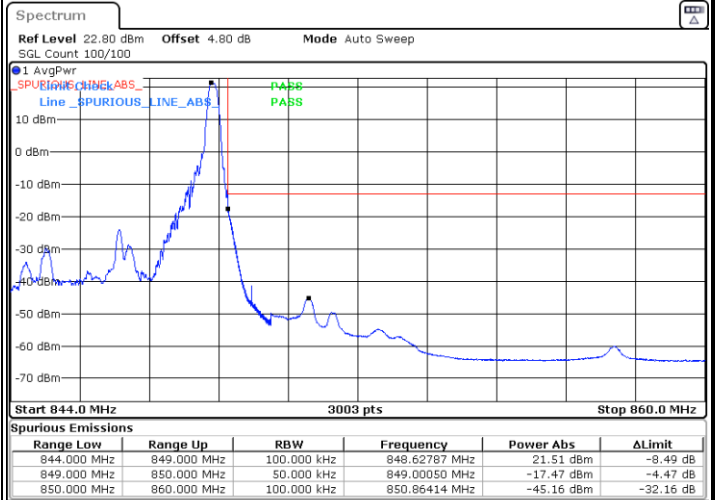


LTE Band 5 / 5MHz / QPSK

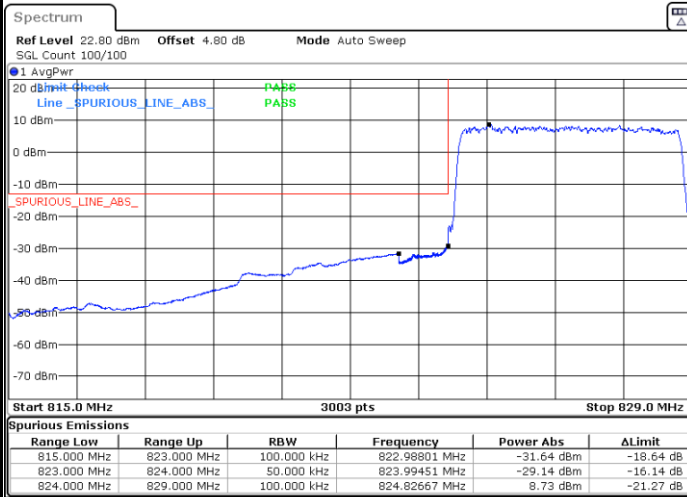
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



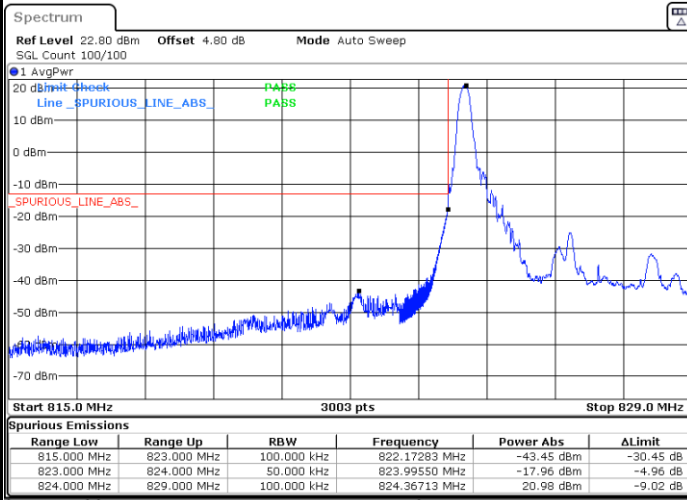
Highest Band Edge / Full RB



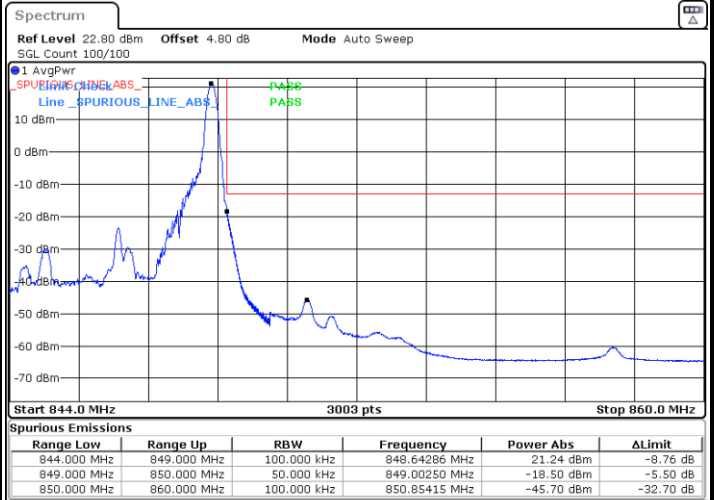


LTE Band 5 / 5MHz / 16QAM

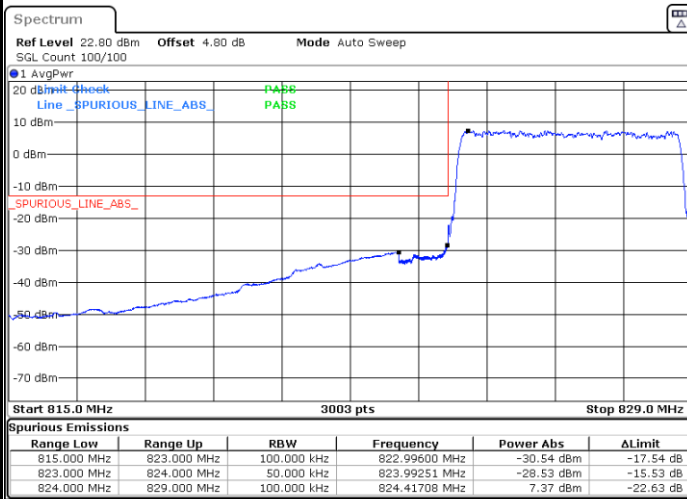
Lowest Band Edge / 1RB



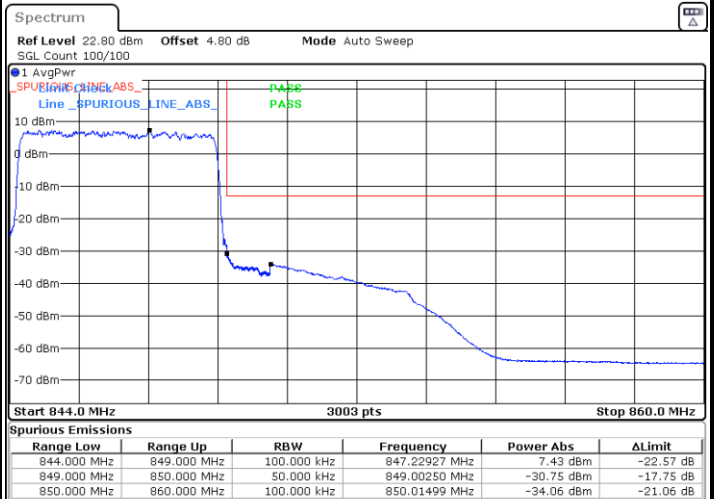
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



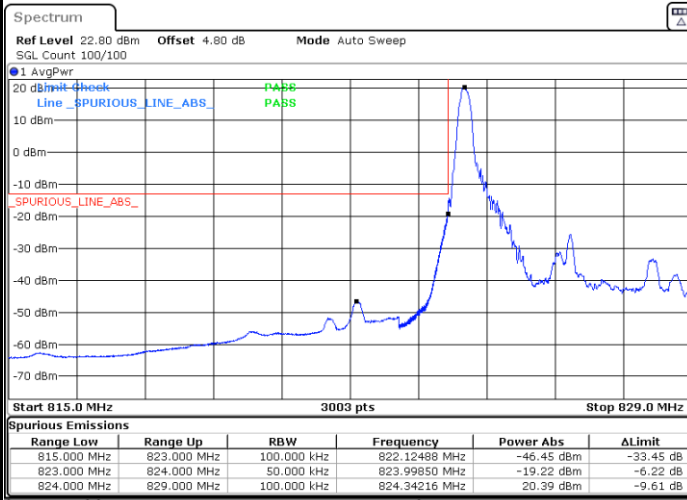
Highest Band Edge / Full RB



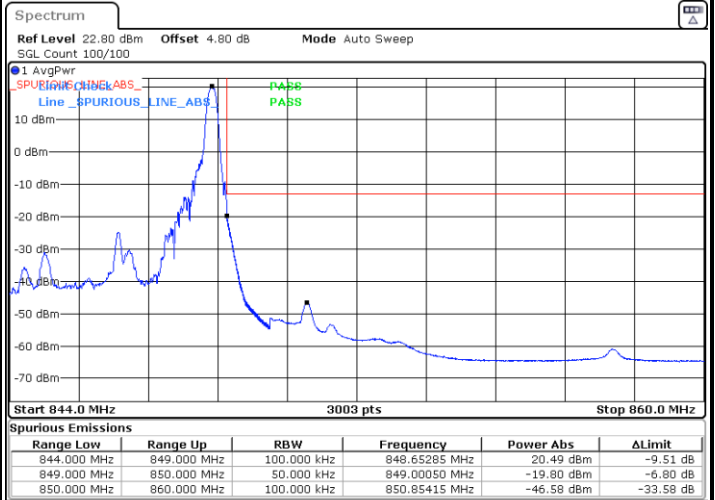


LTE Band 5 / 5MHz / 64QAM

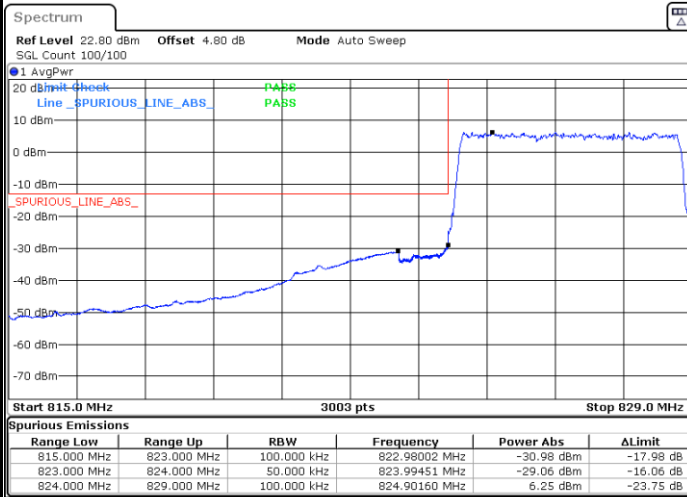
Lowest Band Edge / 1RB



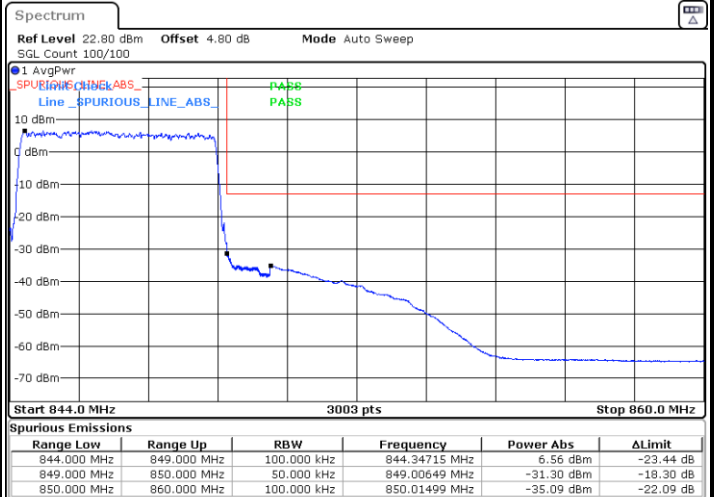
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



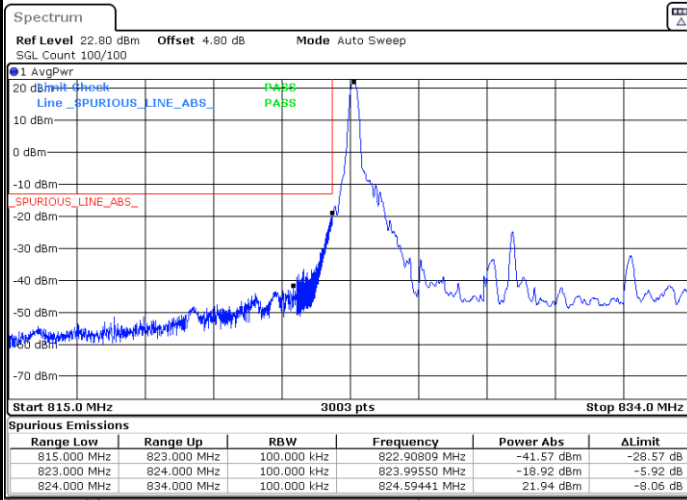
Highest Band Edge / Full RB





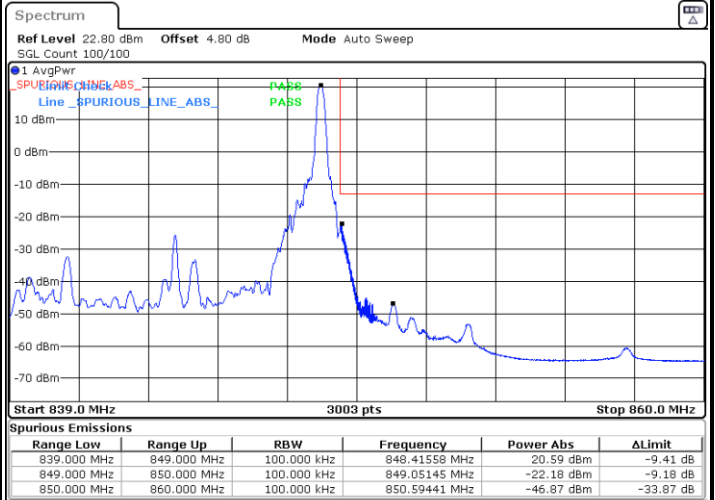
LTE Band 5 / 10MHz / QPSK

Lowest Band Edge / 1 RB



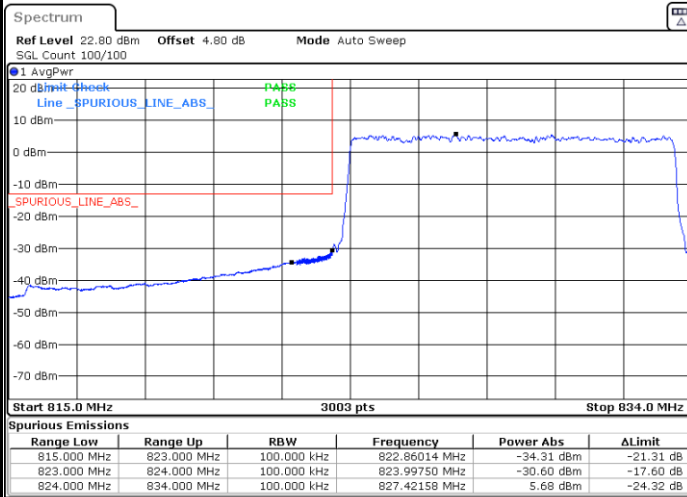
Date: 5, JAN, 2022 06:47:26

Highest Band Edge / 1 RB



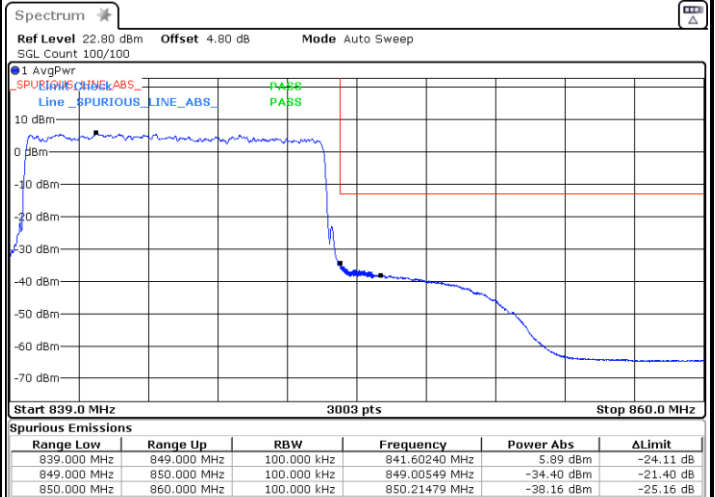
Date: 5, JAN, 2022 06:54:04

Lowest Band Edge / Full RB



Date: 5, JAN, 2022 06:40:25

Highest Band Edge / Full RB

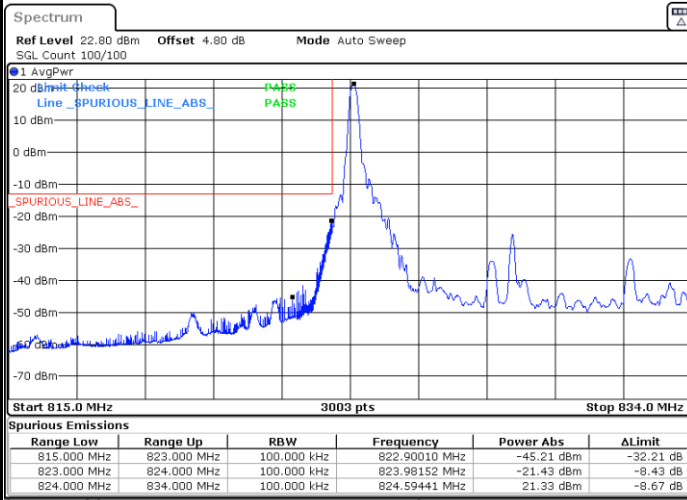


Date: 5, JAN, 2022 06:51:05



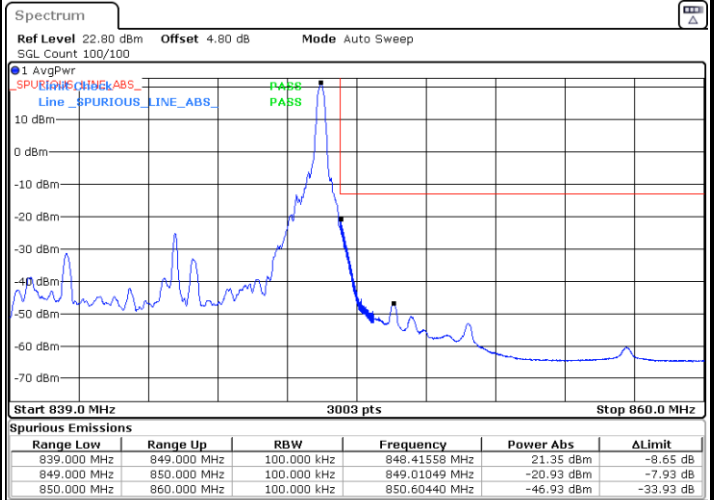
LTE Band 5 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



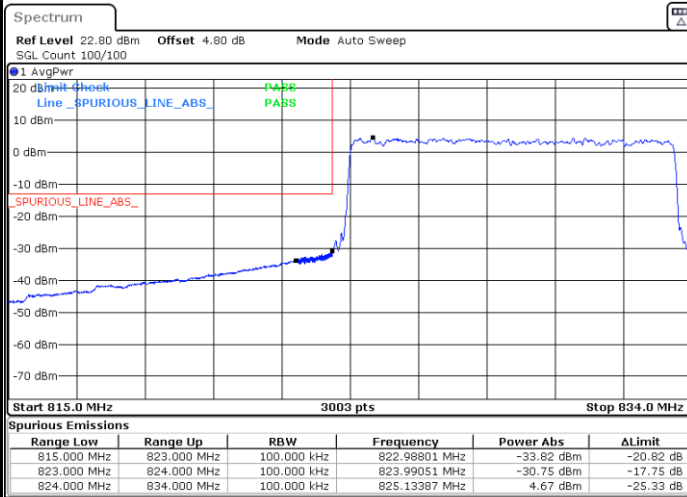
Date: 5, JAN, 2022 06:46:43

Highest Band Edge / 1 RB



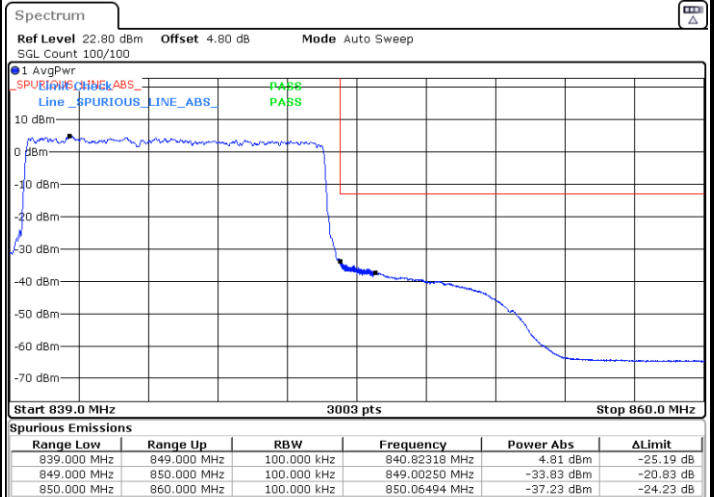
Date: 5, JAN, 2022 06:54:42

Lowest Band Edge / Full RB



Date: 5, JAN, 2022 06:41:02

Highest Band Edge / Full RB

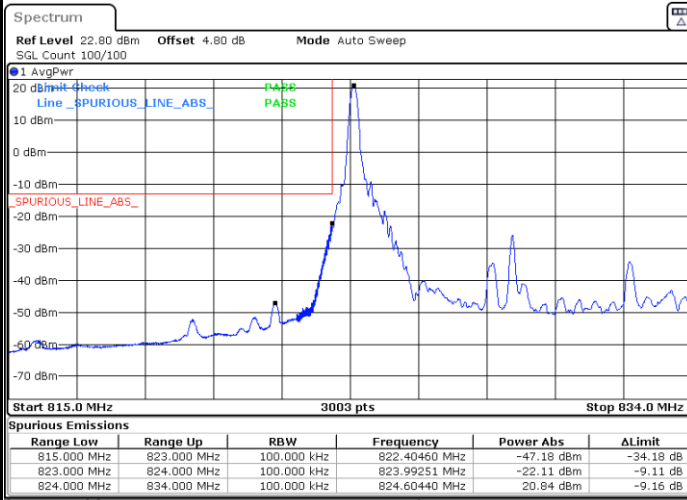


Date: 5, JAN, 2022 06:51:46



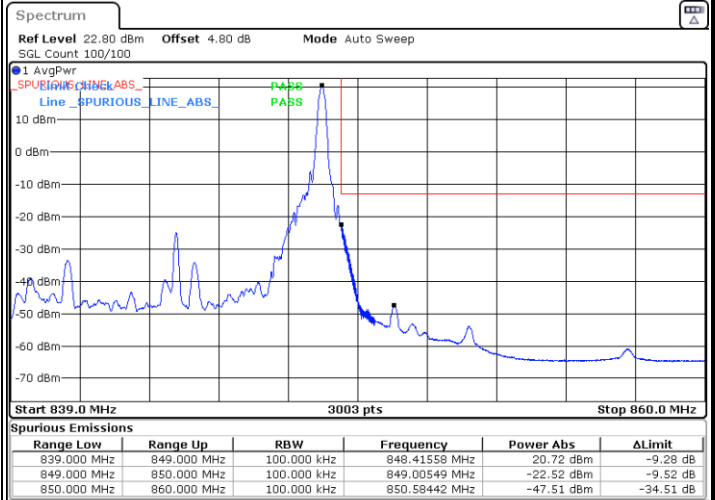
LTE Band 5 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



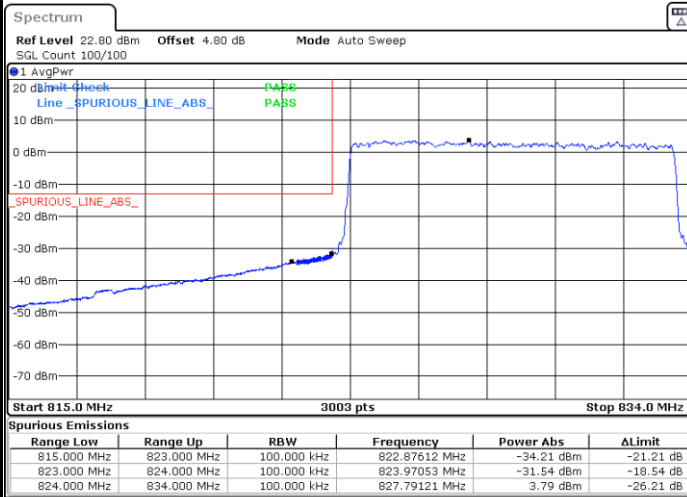
Date: 5, JAN, 2022 06:44:22

Highest Band Edge / 1 RB



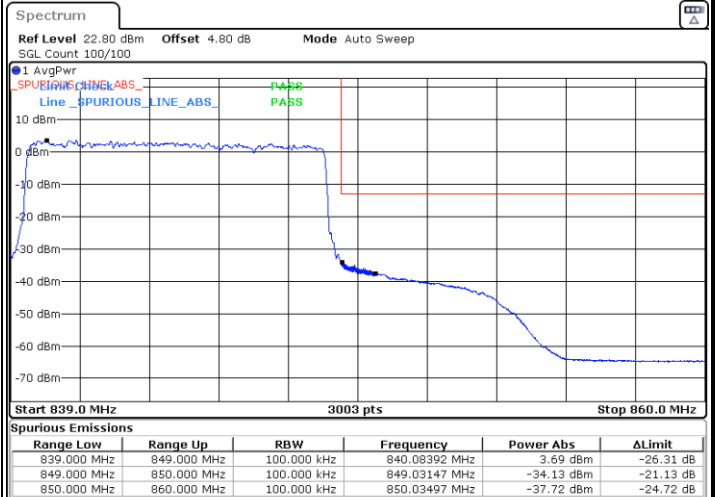
Date: 5, JAN, 2022 06:55:33

Lowest Band Edge / Full RB



Date: 5, JAN, 2022 06:43:29

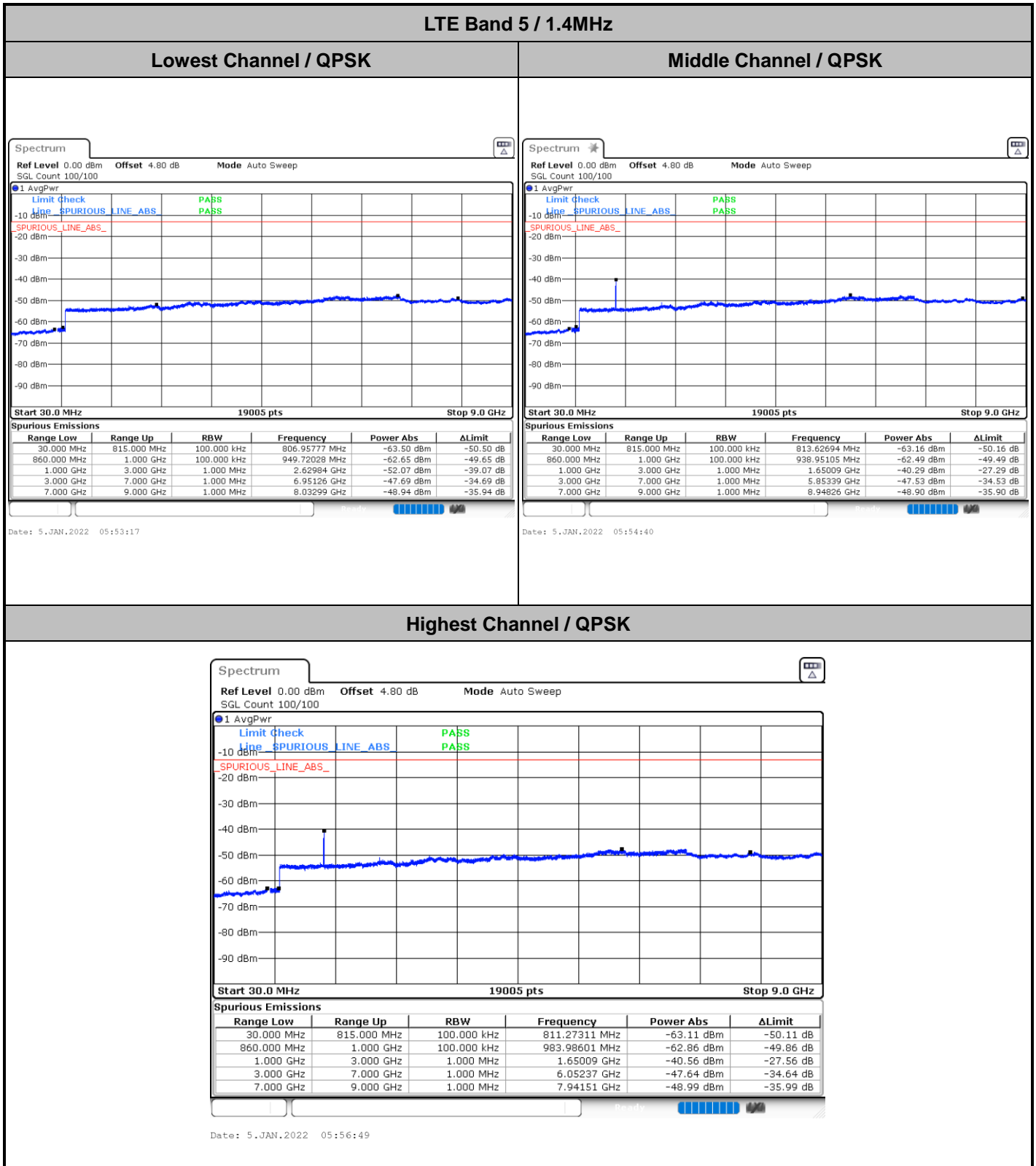
Highest Band Edge / Full RB



Date: 5, JAN, 2022 06:52:21



Conducted Spurious Emission

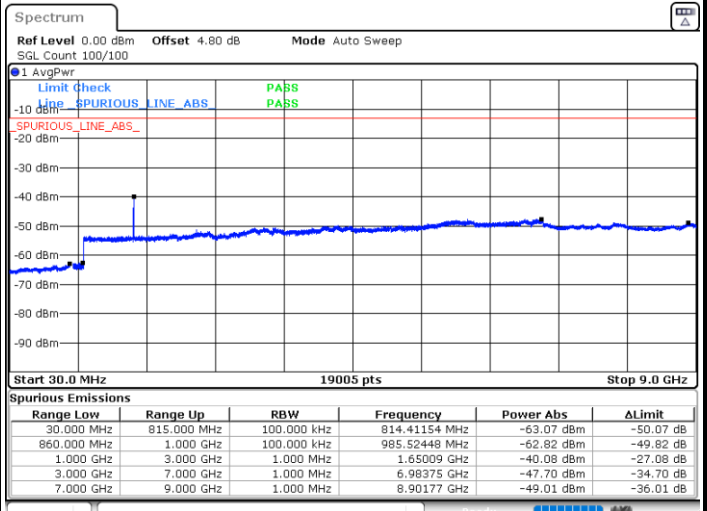
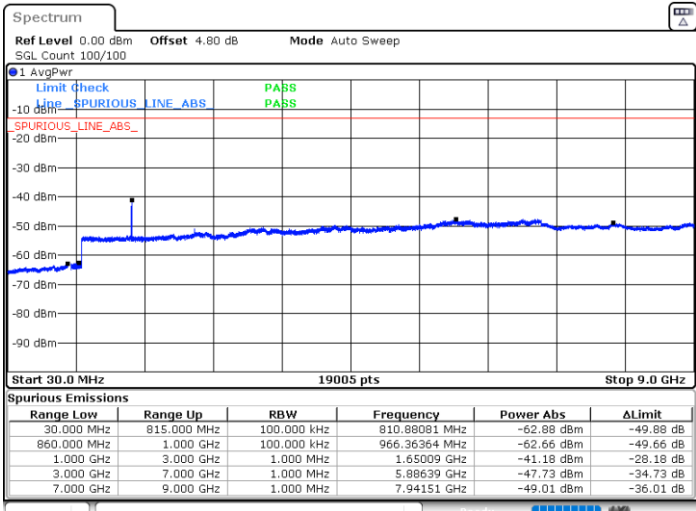




LTE Band 5 / 3MHz

Lowest Channel / QPSK

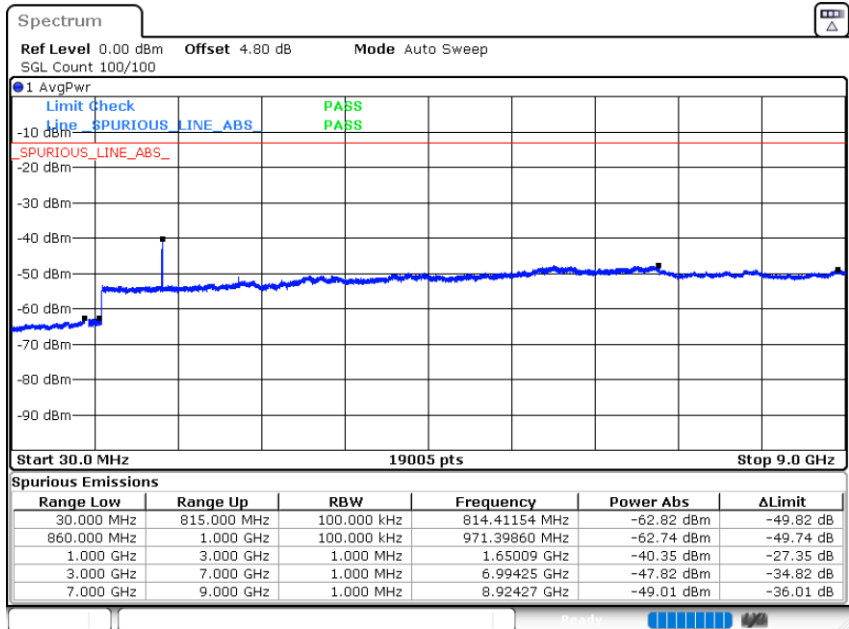
Middle Channel / QPSK



Date: 5.JAN.2022 06:17:25

Date: 5.JAN.2022 06:18:06

Highest Channel / QPSK



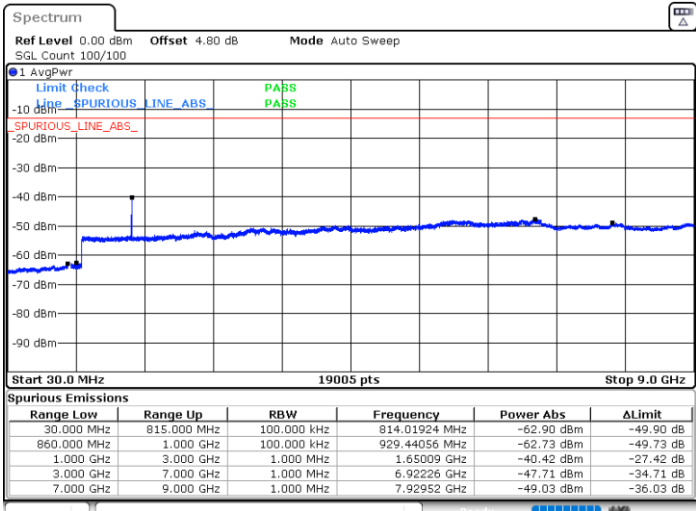
Date: 5.JAN.2022 06:18:43



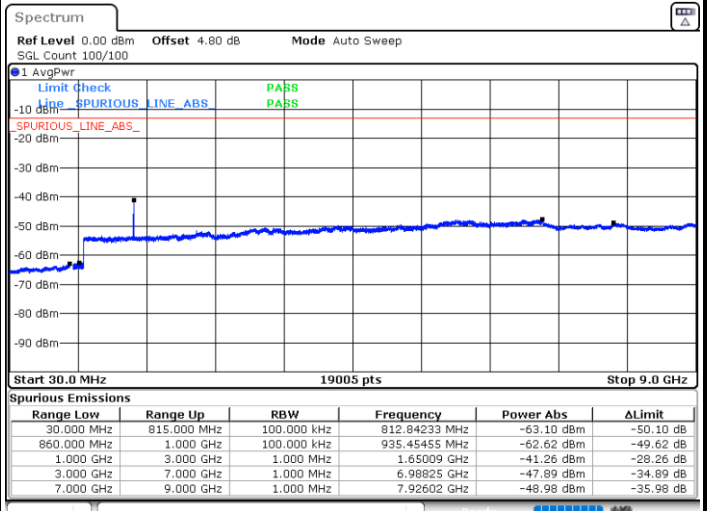
LTE Band 5 / 5MHz

Lowest Channel / QPSK

Middle Channel / QPSK

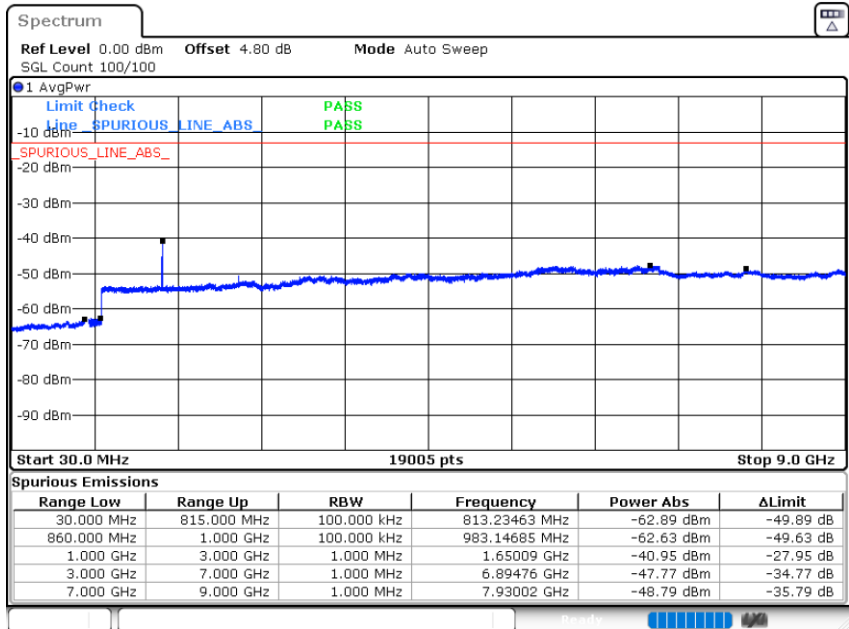


Date: 5. JAN. 2022 06:32:32



Date: 5. JAN. 2022 06:33:07

Highest Channel / QPSK



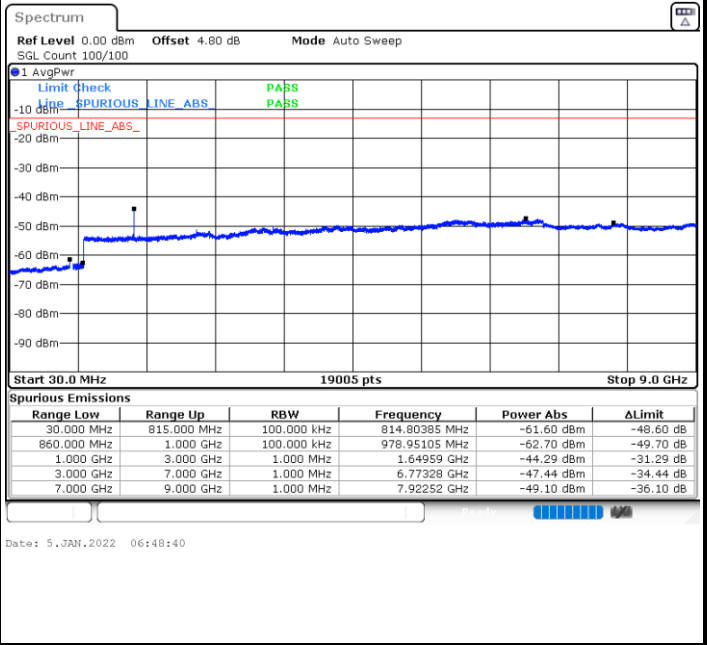
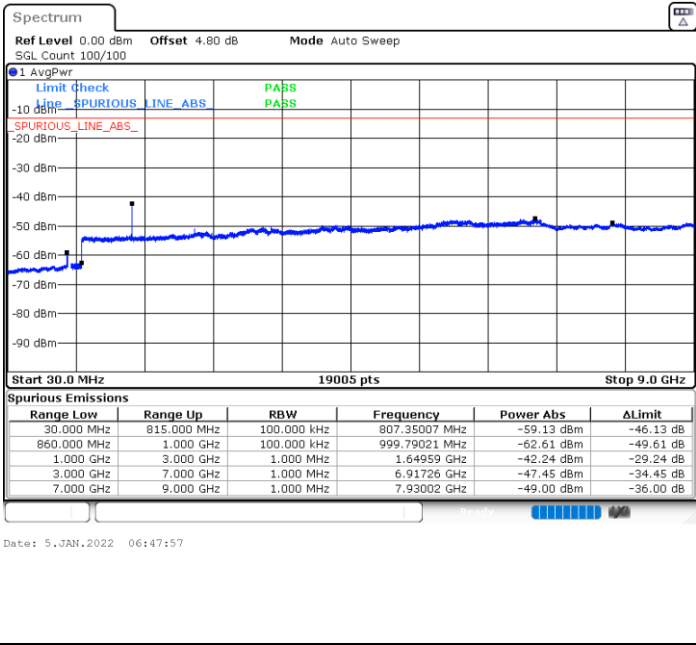
Date: 5. JAN. 2022 06:33:40



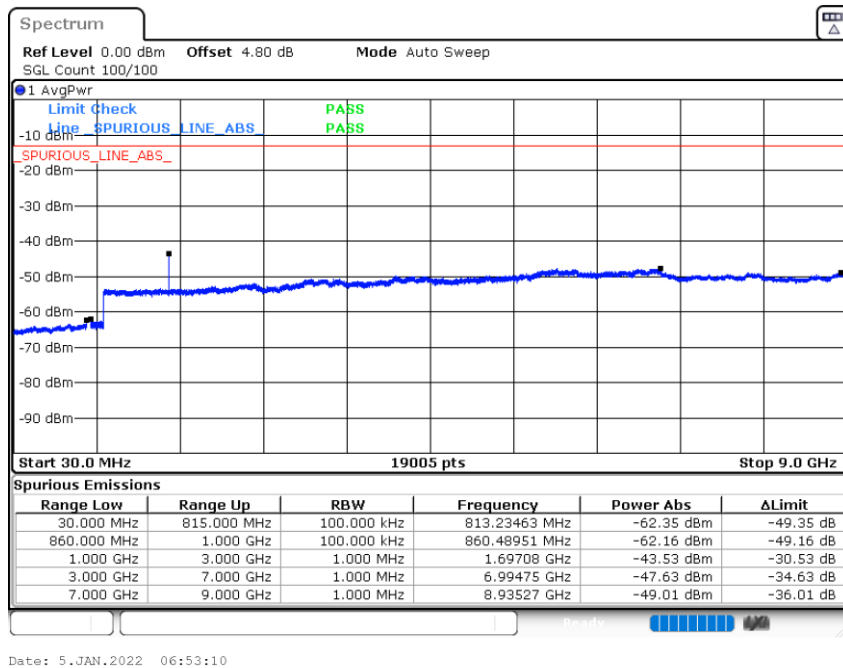
LTE Band 5 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK





Frequency Stability

Test Conditions		LTE Band 5 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0015	
30	Normal Voltage	0.0007	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0005	
-10	Normal Voltage	0.0009	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0016	
20	Maximum Voltage	0.0012	
20	Normal Voltage	0.0008	
20	Battery End Point	0.0014	

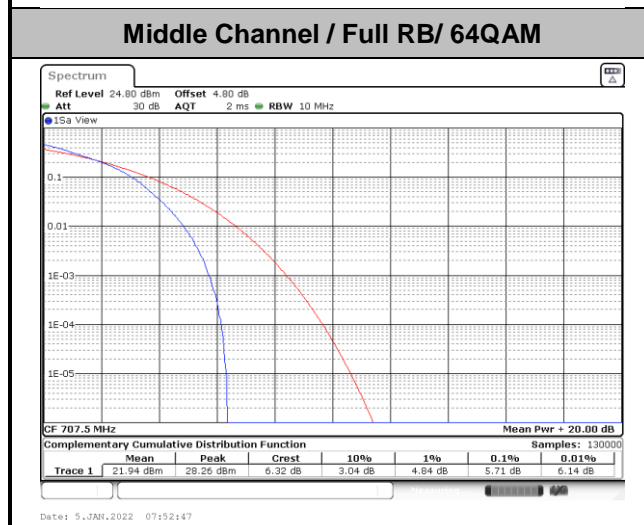
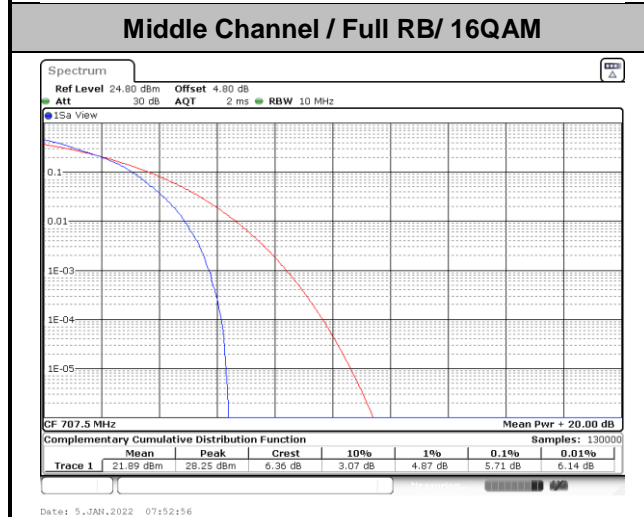
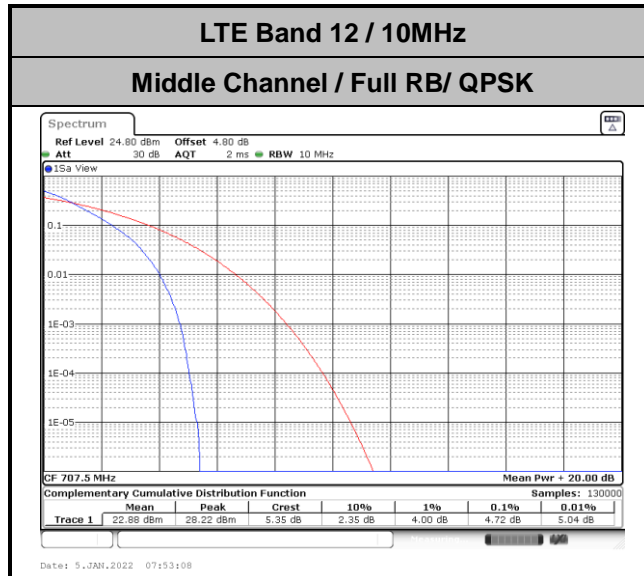
Note: Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.



LTE Band 12 (Other PA)

Peak-to-Average Ratio

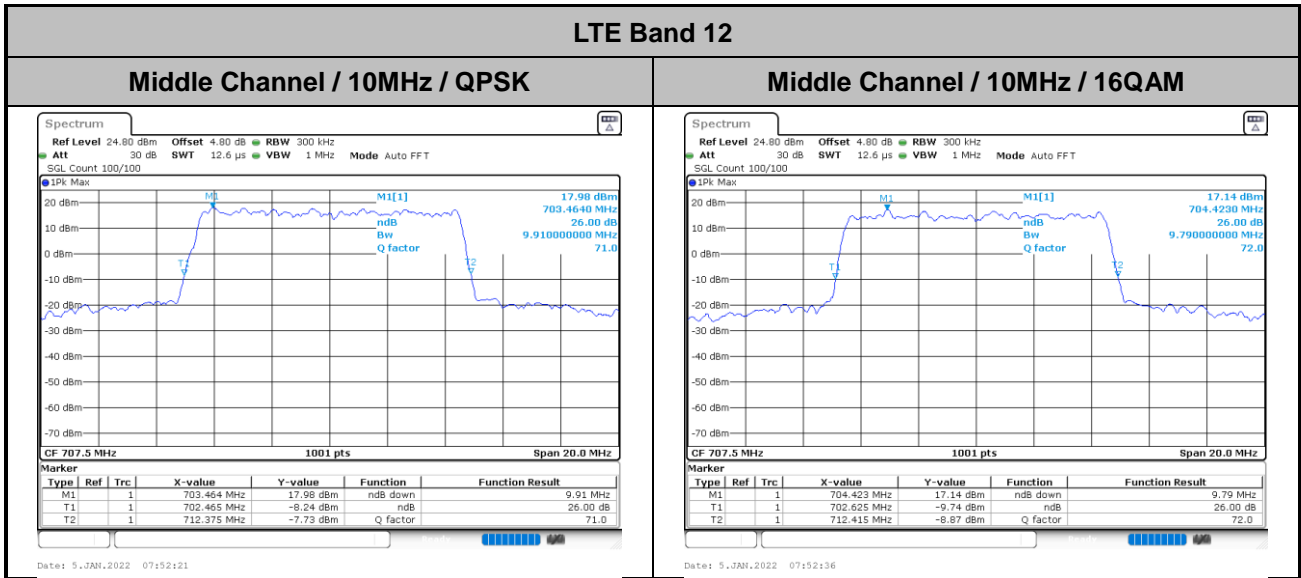
Mode	LTE Band 12 / 10MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.72	5.71	5.71	PASS





26dB Bandwidth

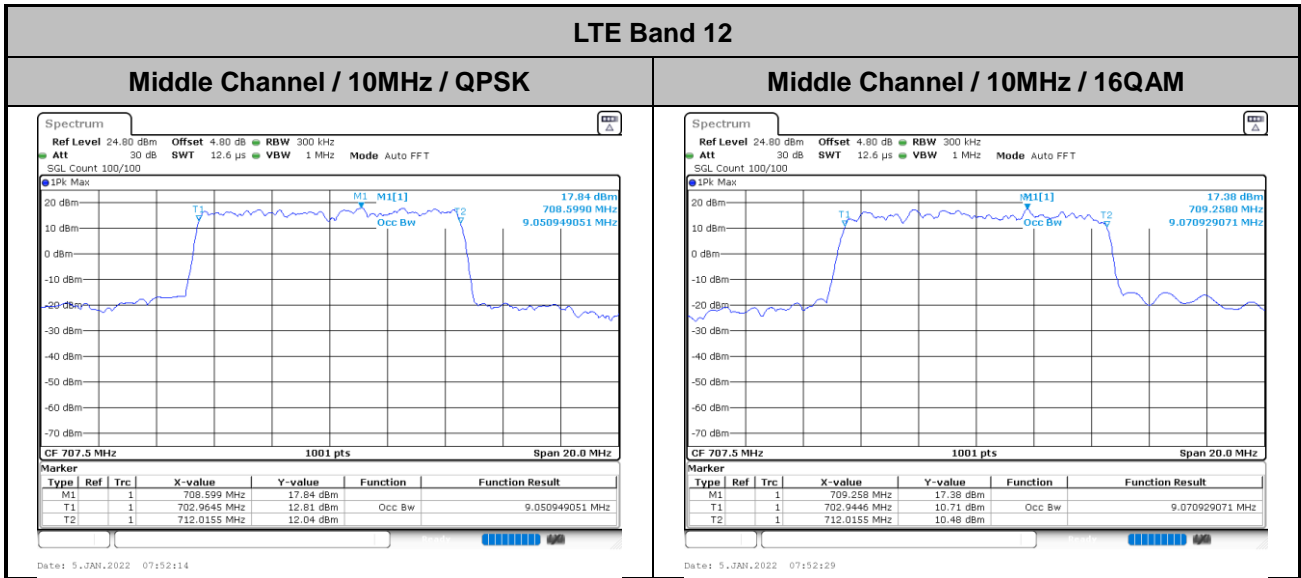
Mode	LTE Band 12 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.91	9.79





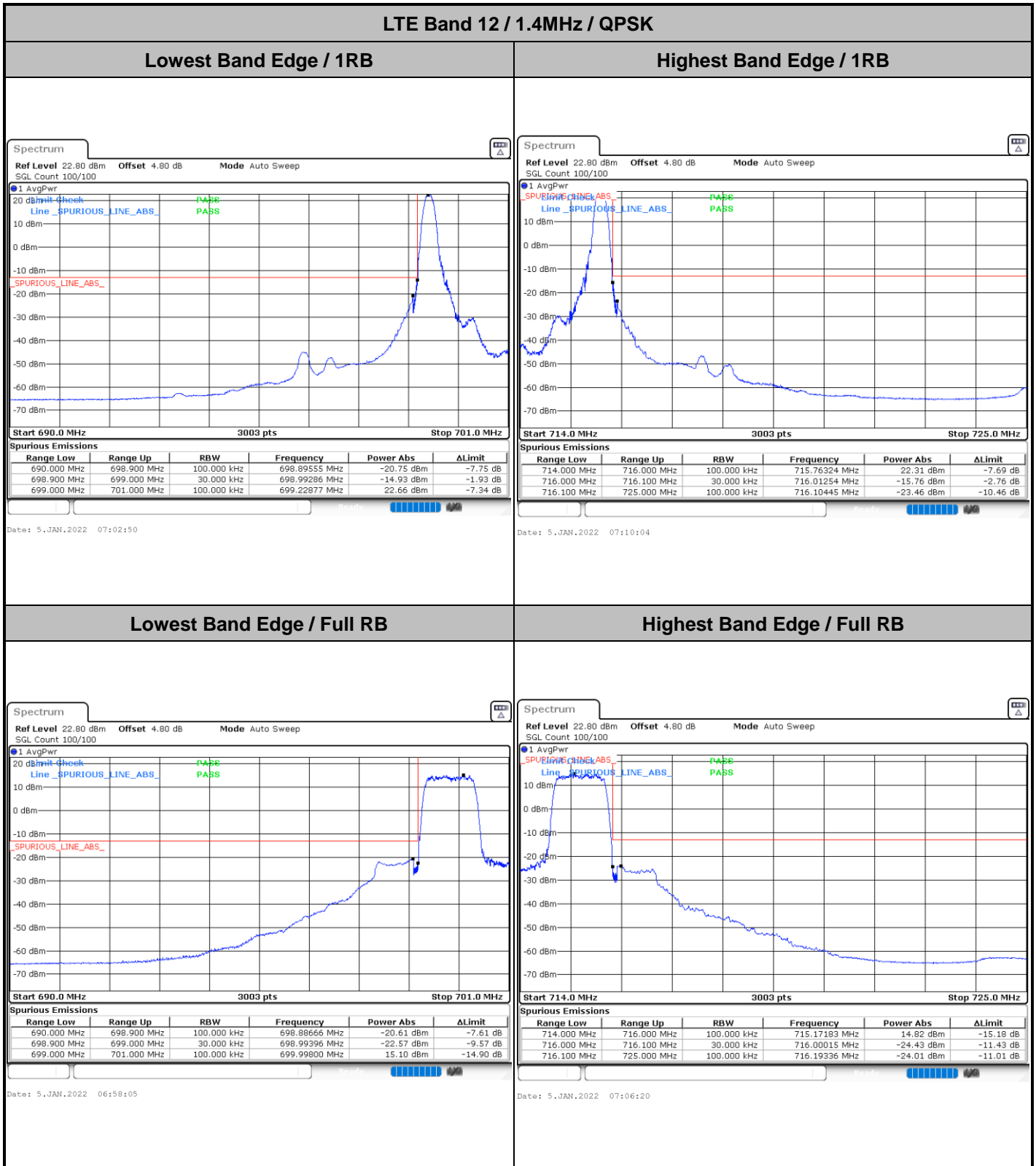
Occupied Bandwidth

Mode	LTE Band 12 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.07





Conducted Band Edge

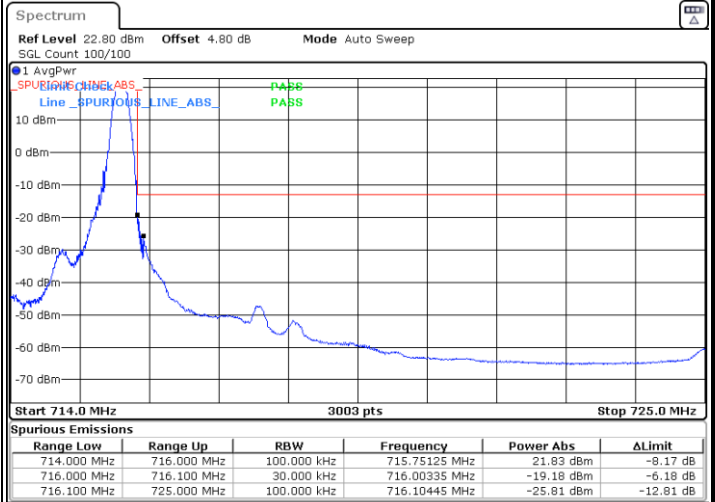




LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

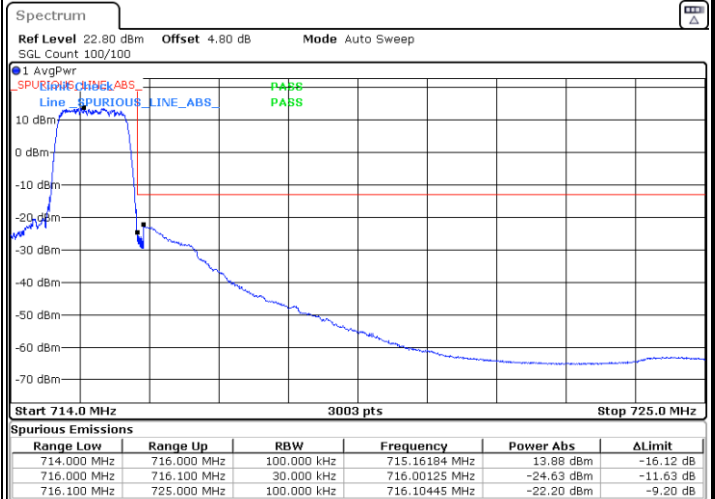
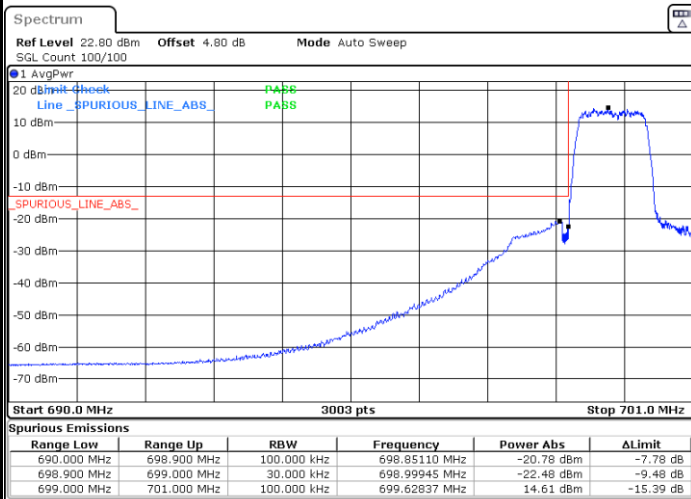


Date: 5.JAN.2022 07:02:07

Date: 5.JAN.2022 07:08:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 5.JAN.2022 06:59:06

Date: 5.JAN.2022 07:06:57



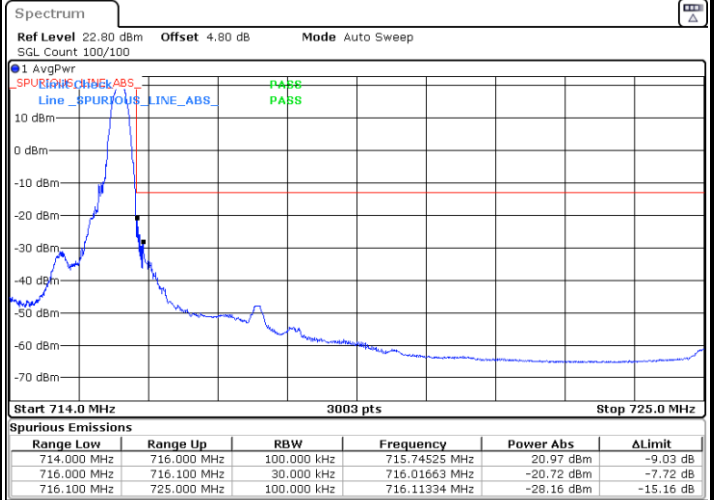
LTE Band 12 / 1.4MHz / 64QAM

Lowest Band Edge / 1 RB



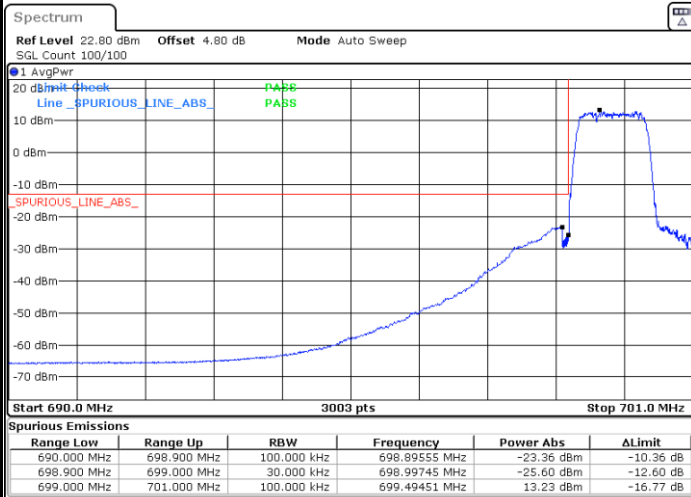
Date: 5.JAN.2022 07:01:24

Highest Band Edge / 1 RB



Date: 5.JAN.2022 07:08:12

Lowest Band Edge / Full RB



Date: 5.JAN.2022 07:00:05

Highest Band Edge / Full RB

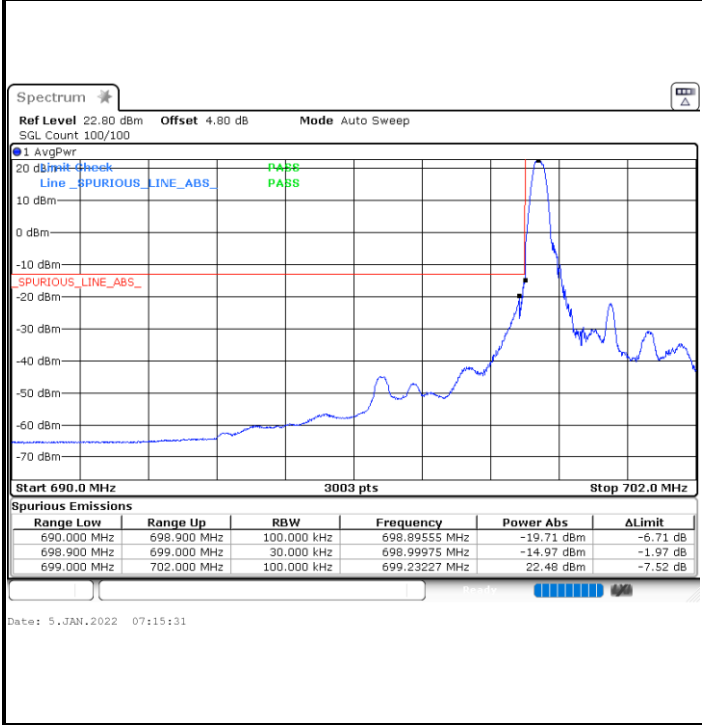


Date: 5.JAN.2022 07:07:32

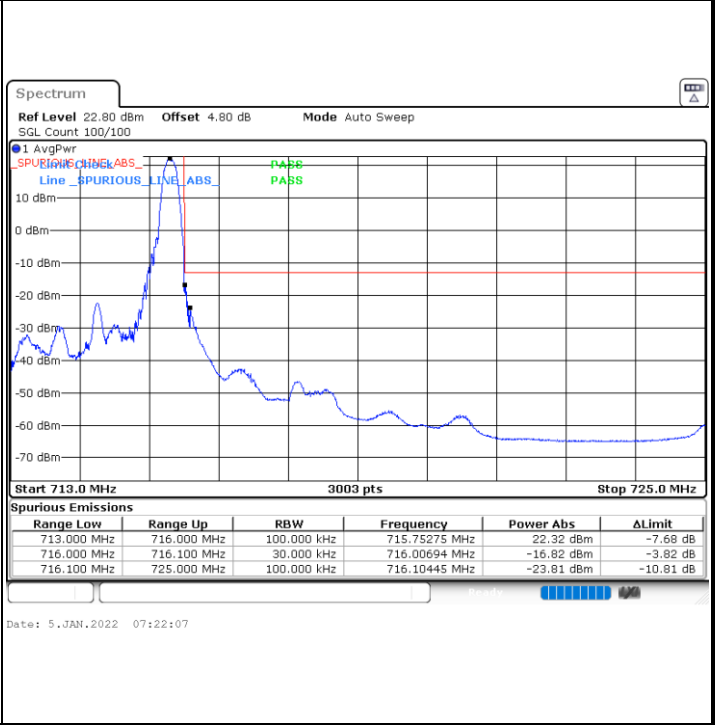


LTE Band 12 / 3MHz / QPSK

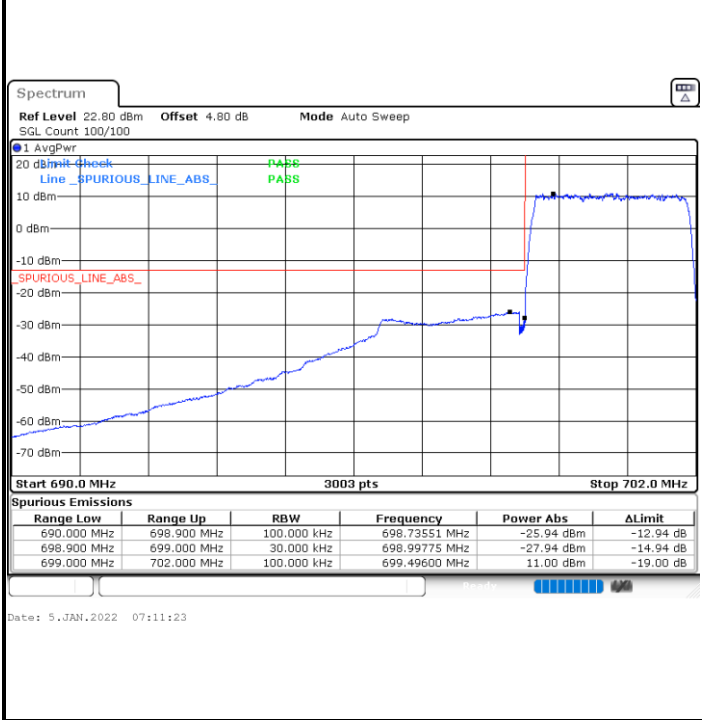
Lowest Band Edge / 1RB



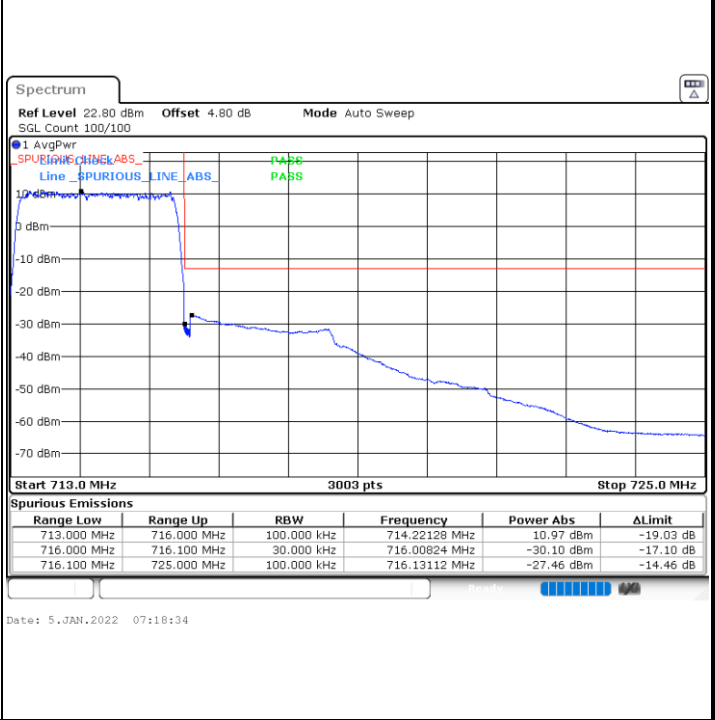
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



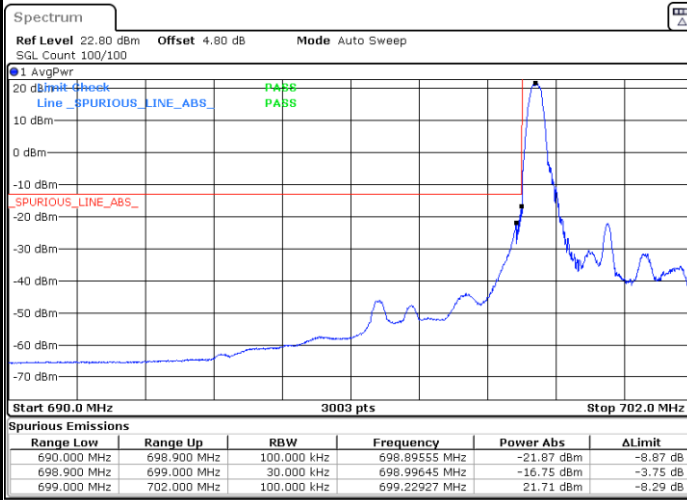
Highest Band Edge / Full RB





LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



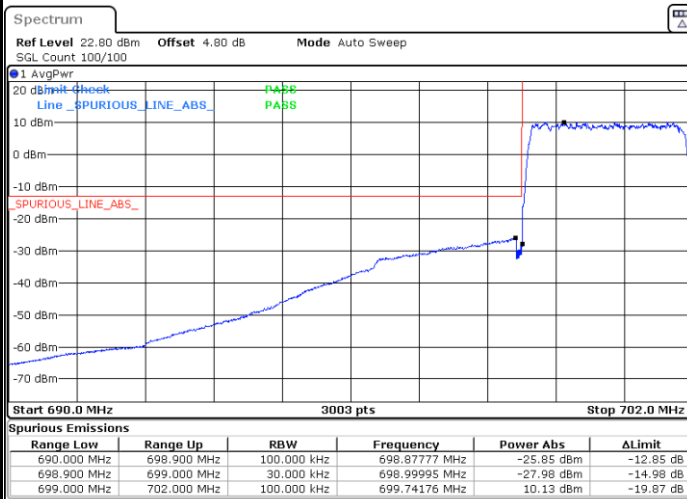
Date: 5.JAN.2022 07:13:47

Highest Band Edge / 1 RB



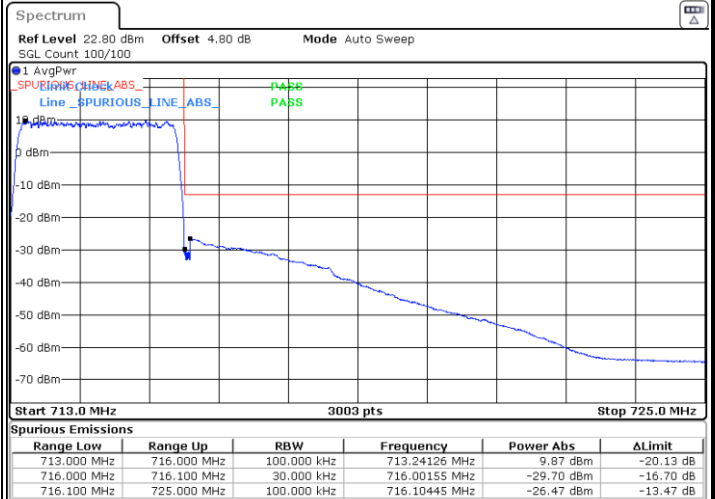
Date: 5.JAN.2022 07:21:23

Lowest Band Edge / Full RB



Date: 5.JAN.2022 07:11:55

Highest Band Edge / Full RB

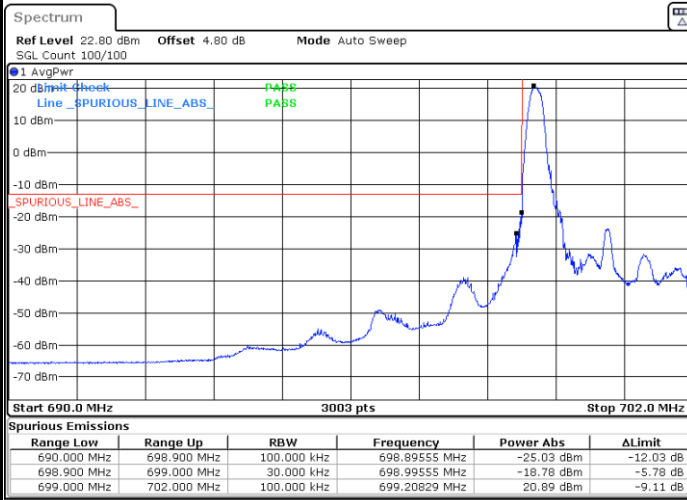


Date: 5.JAN.2022 07:19:09



LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



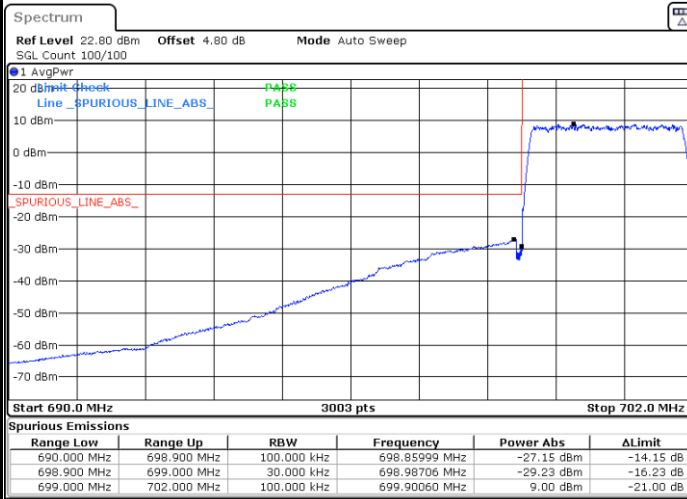
Date: 5.JAN.2022 07:13:13

Highest Band Edge / 1 RB



Date: 5.JAN.2022 07:20:51

Lowest Band Edge / Full RB



Date: 5.JAN.2022 07:12:30

Highest Band Edge / Full RB



Date: 5.JAN.2022 07:20:06