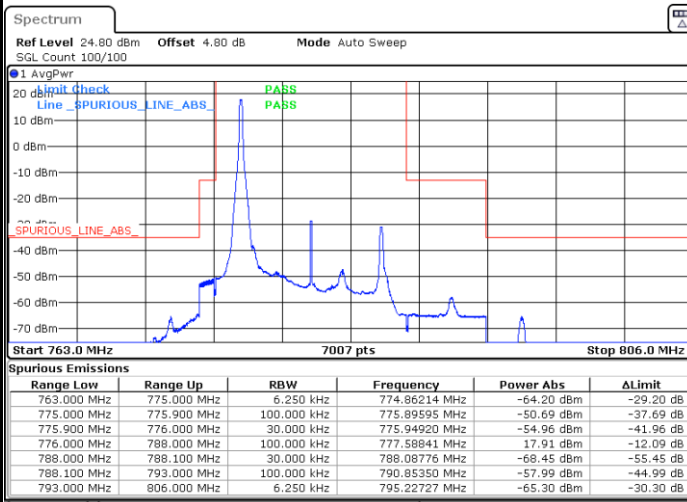




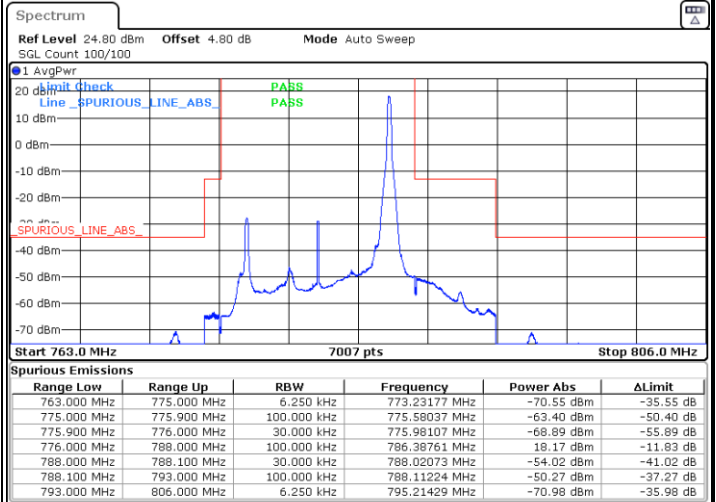
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



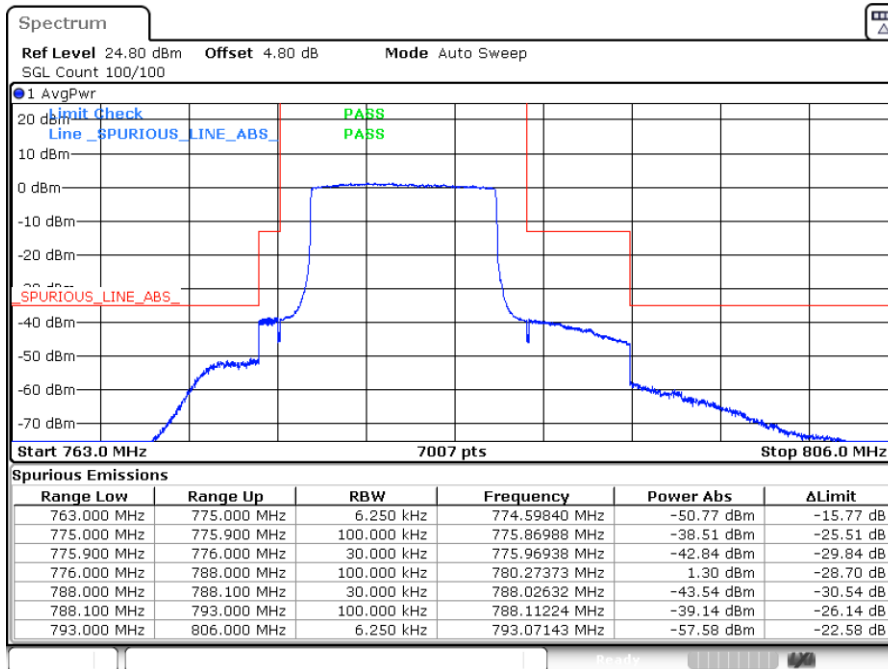
Date: 29.APR.2022 07:28:28

middle Band Edge / 1 RB



Date: 29.APR.2022 07:39:42

middle Band Edge / Full RB

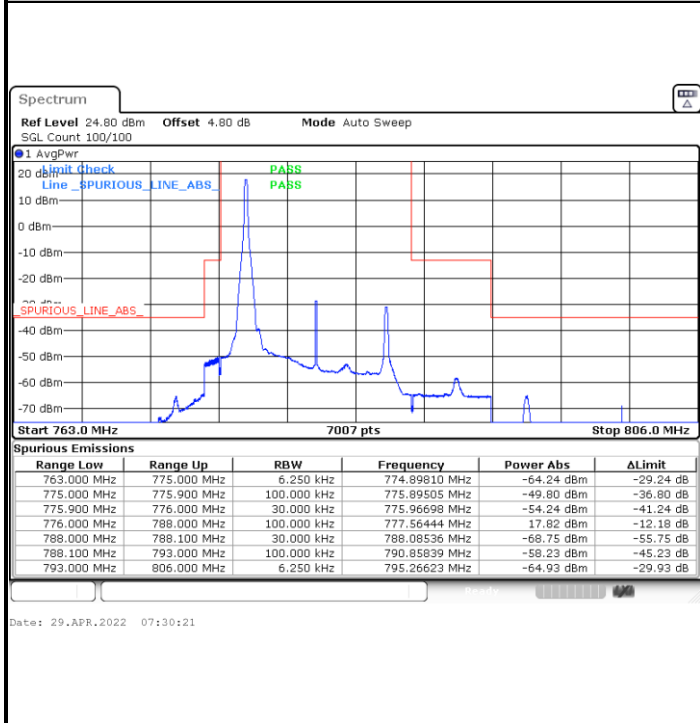


Date: 29.APR.2022 07:34:05

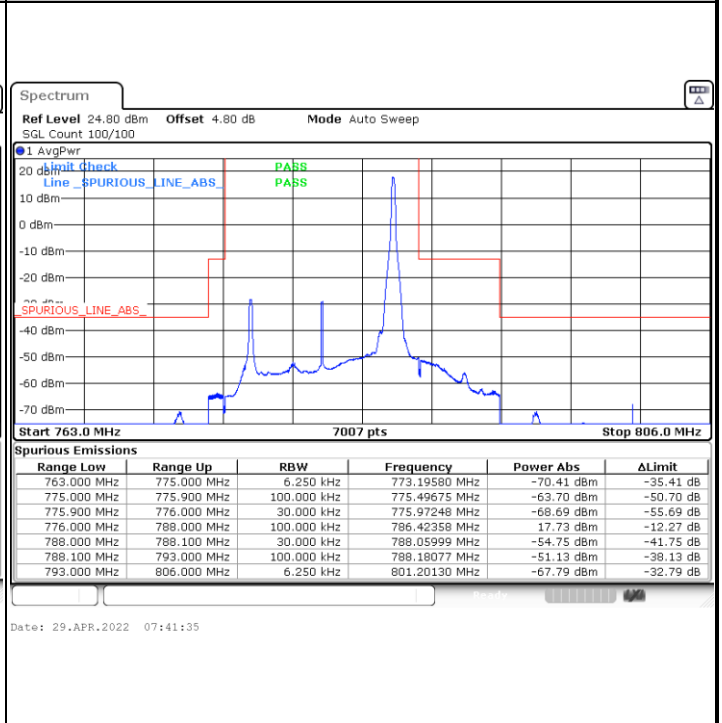


LTE Band 13 / 10MHz / 64QAM

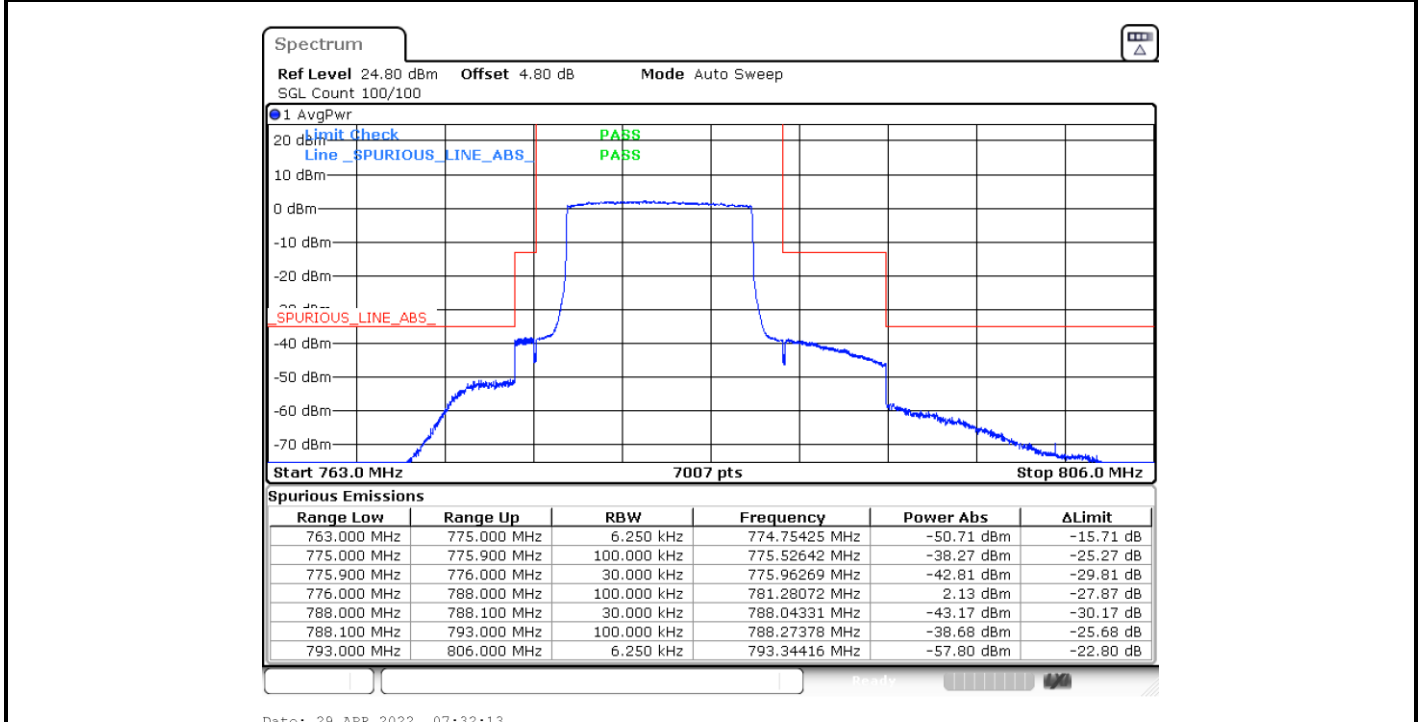
middle Band Edge / 1 RB



middle Band Edge / 1 RB

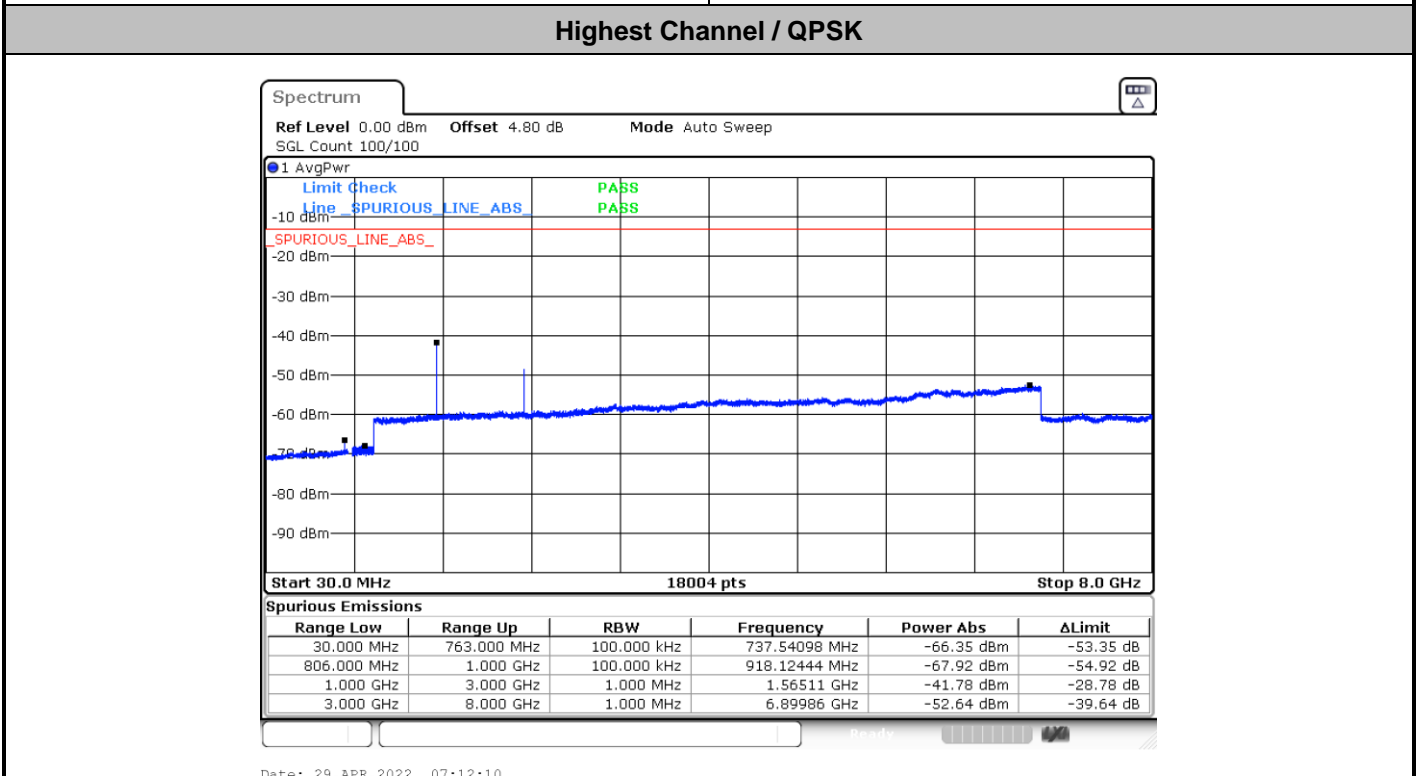
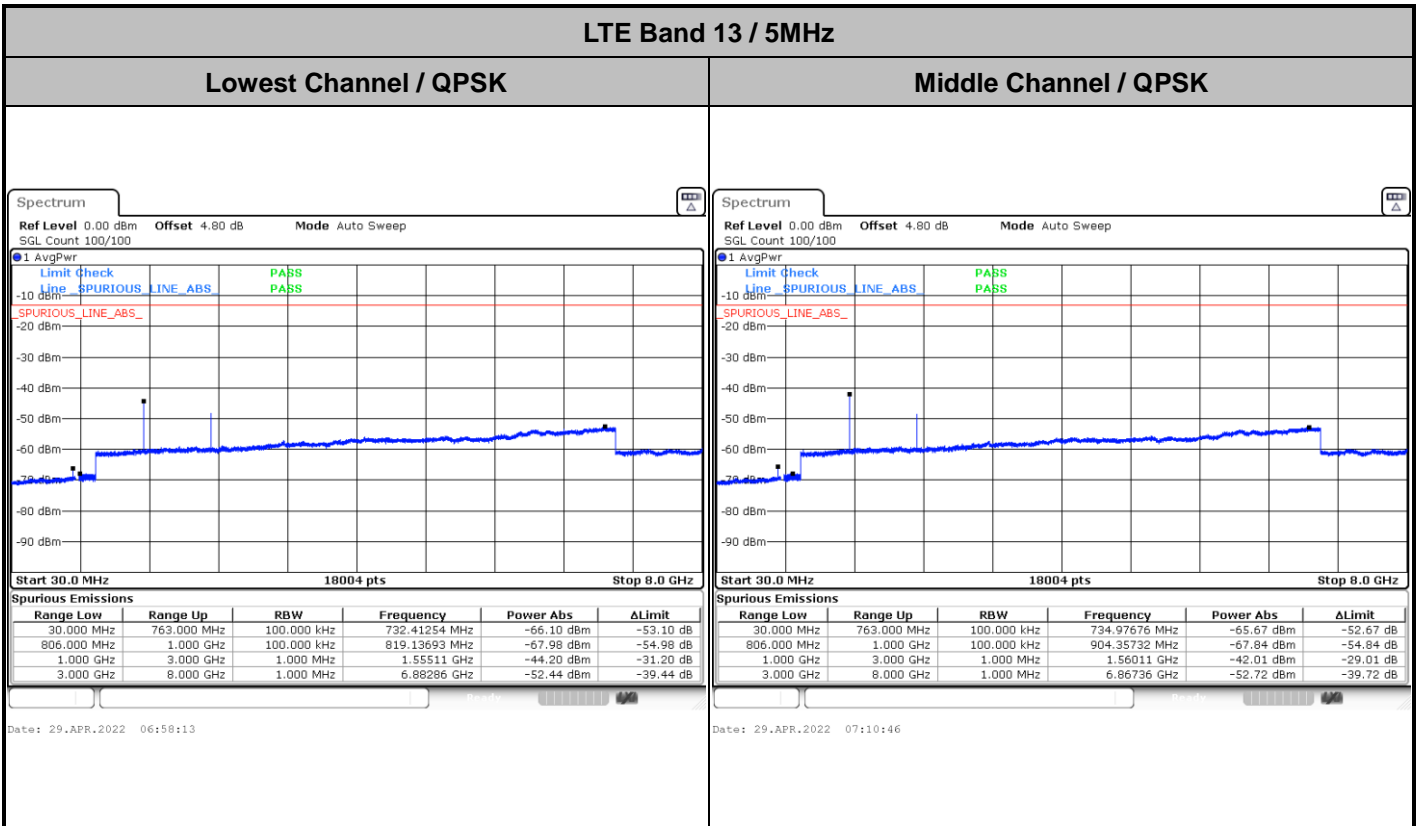


middle Band Edge / Full RB





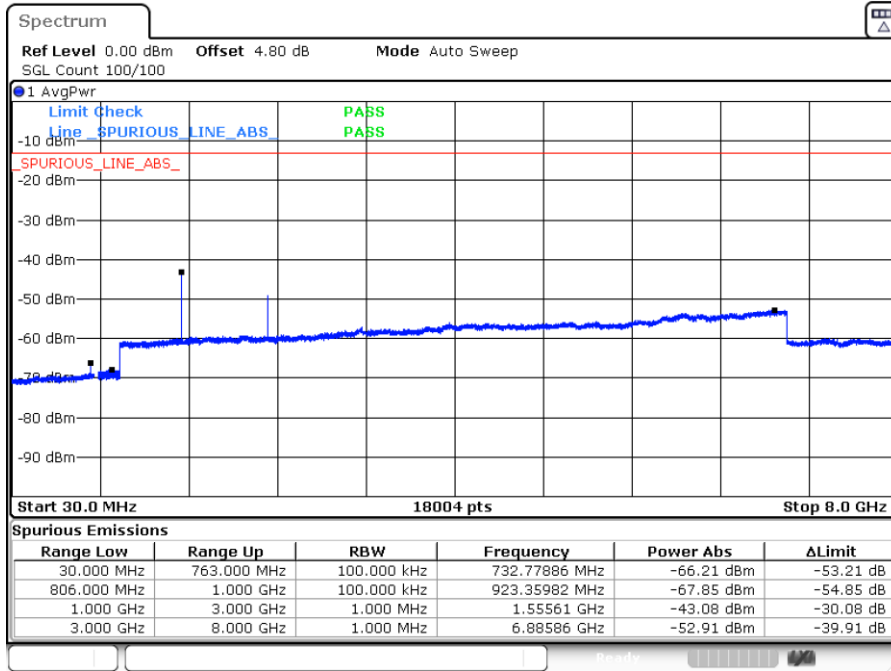
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 29, APR, 2022 07:24:53



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	0.0226	PASS
40	Normal Voltage	0.0136	
30	Normal Voltage	0.0116	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0066	
0	Normal Voltage	0.0084	
-10	Normal Voltage	0.0118	
-20	Normal Voltage	0.0055	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0092	
20	Normal Voltage	0.0081	
20	Battery End Point	0.0041	

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

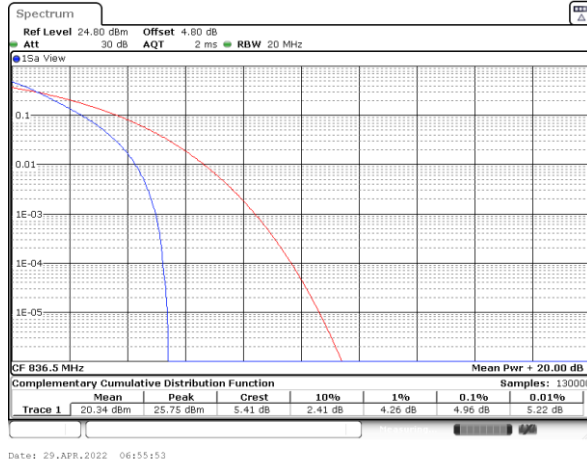
Peak-to-Average Ratio

Mode	LTE Band 26 / 15MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.96	5.91	5.86	PASS

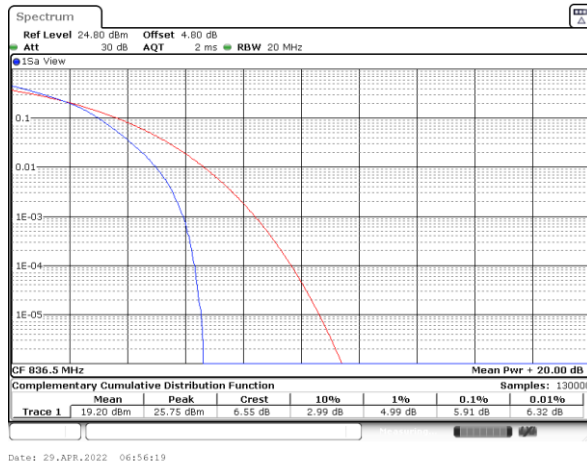


LTE Band 26 / 15MHz

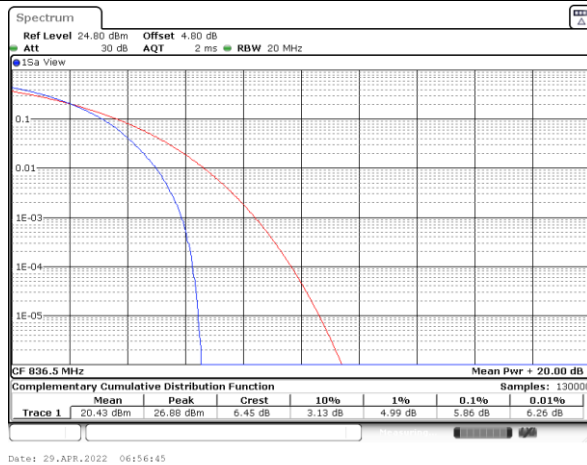
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



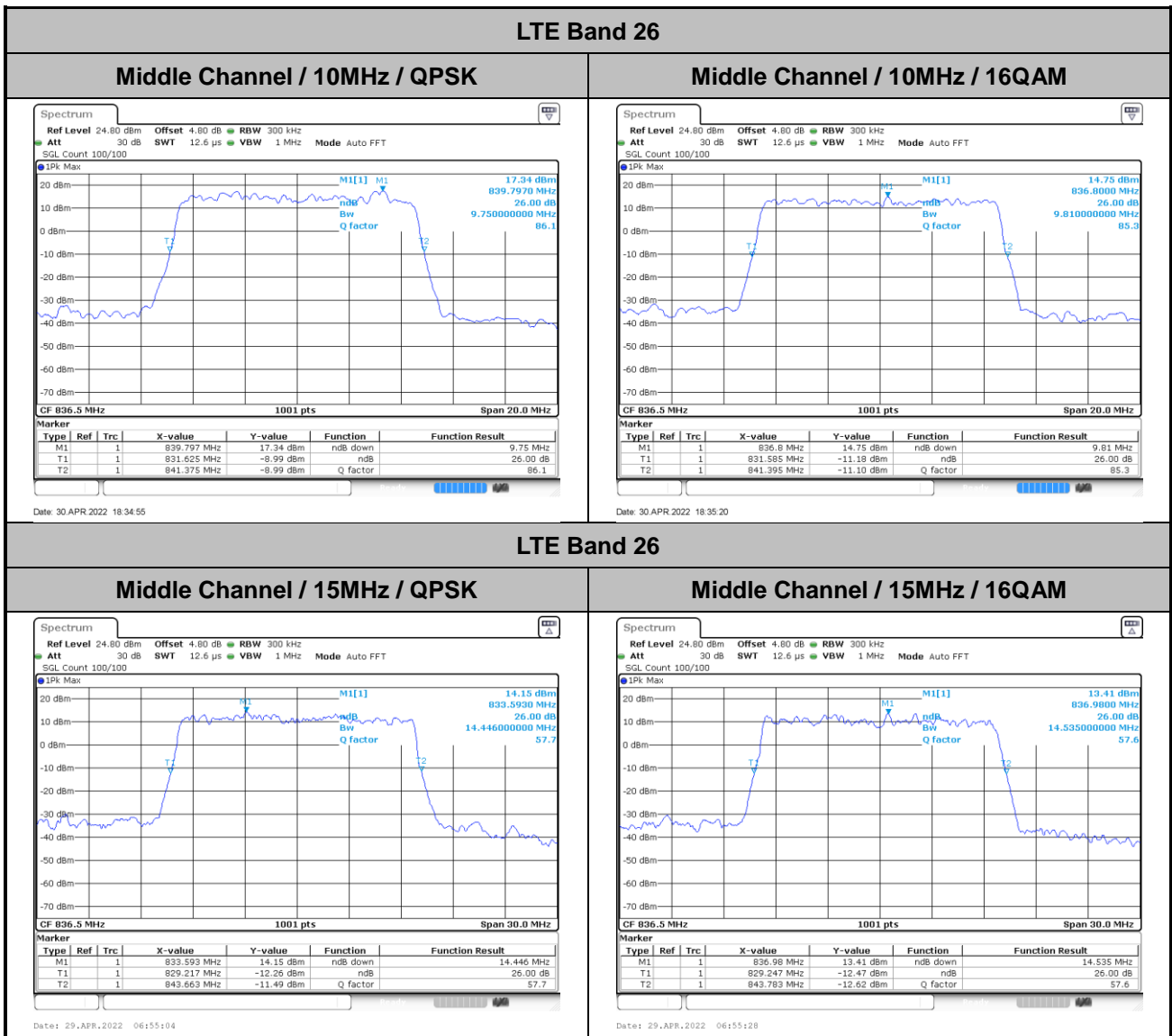
Middle Channel / Full RB/ 64QAM





26dB Bandwidth

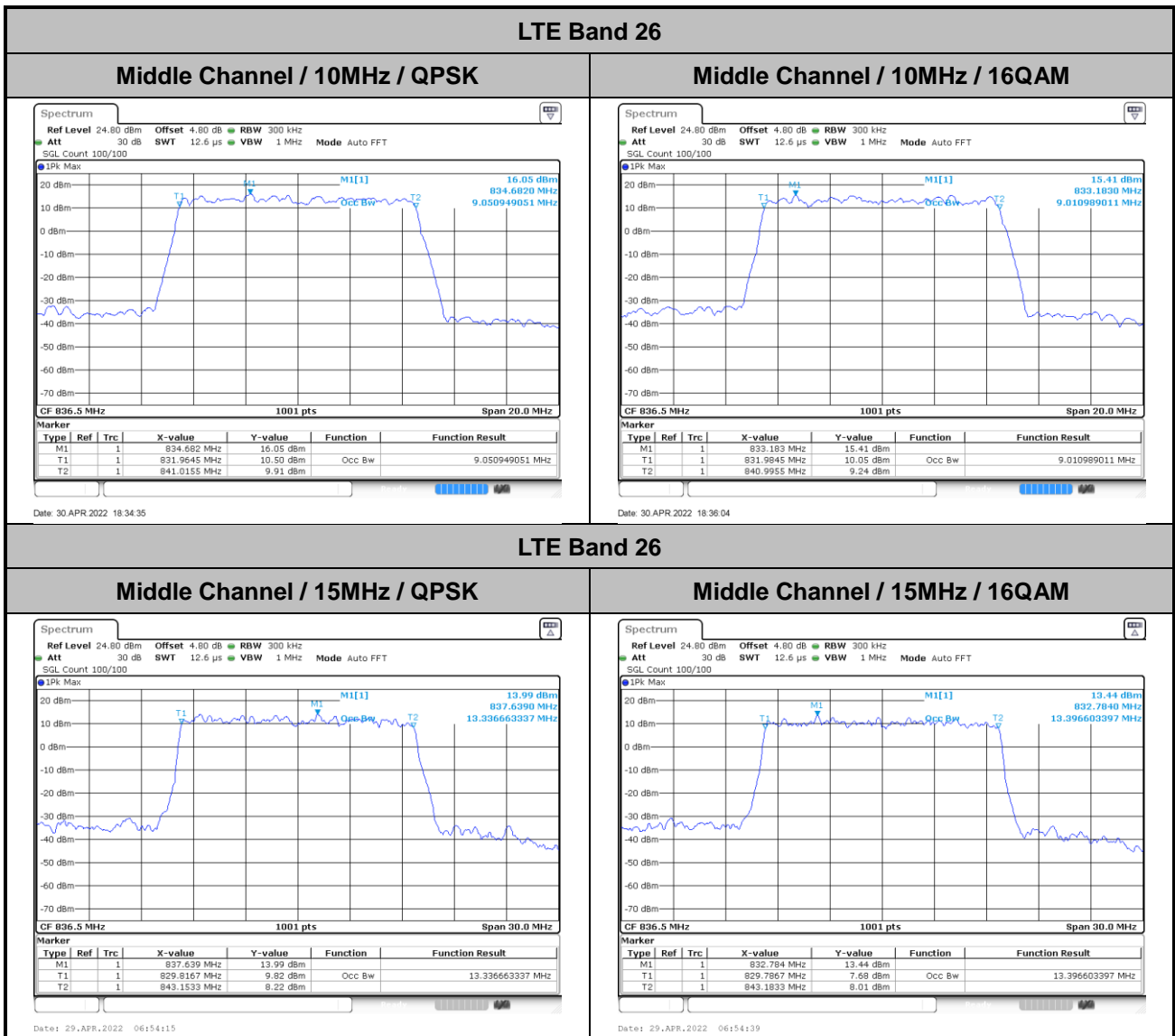
Mode	LTE Band 26 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.75	9.81
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.45	14.54





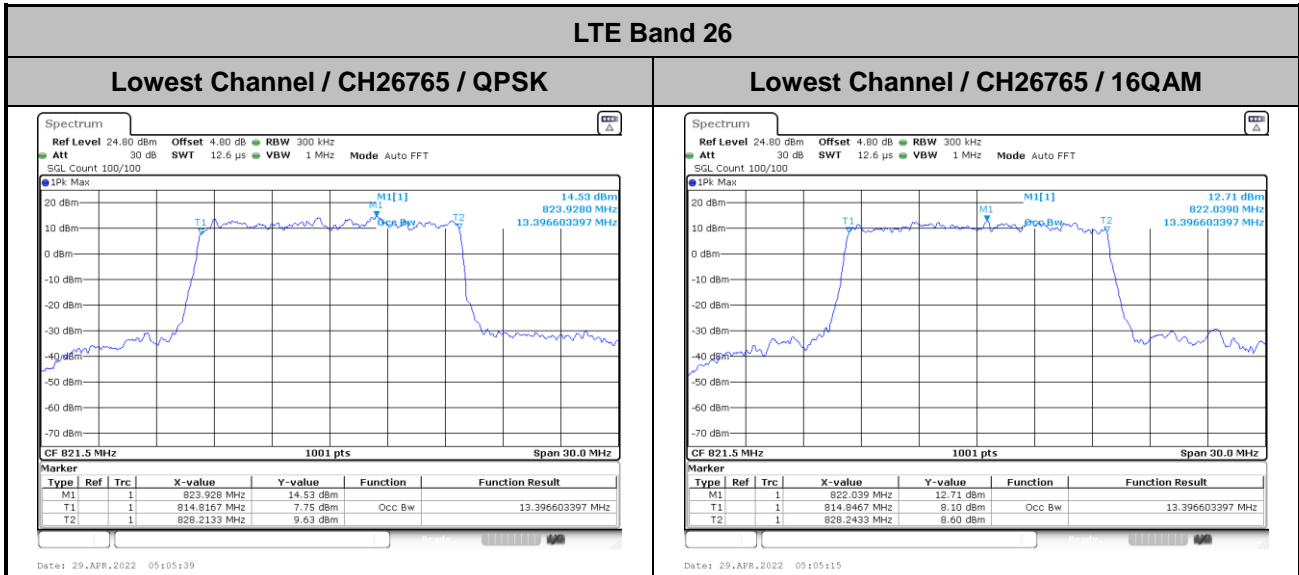
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.01
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.34	13.40



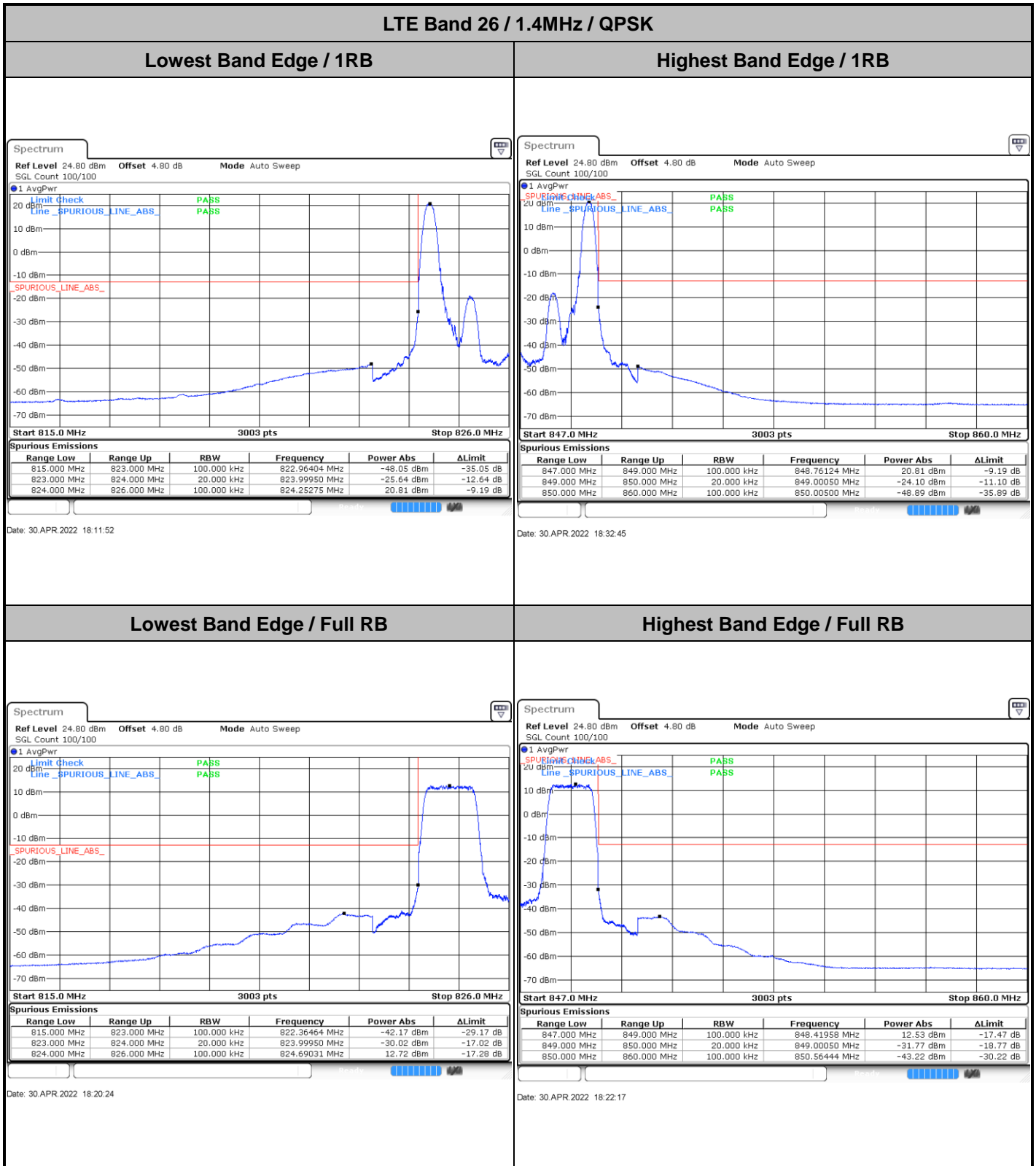


Mode	LTE Band 26 : 99%OBW(MHz)	
BW	CH26765	
Mod.	QPSK	16QAM
Low CH	13.40	13.40





Conducted Band Edge

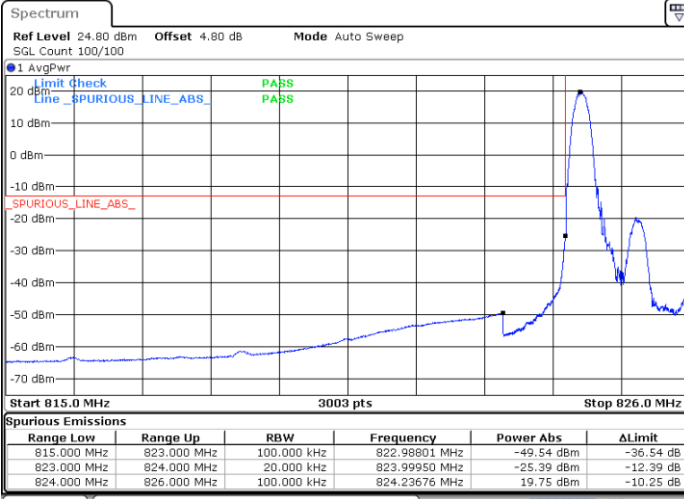




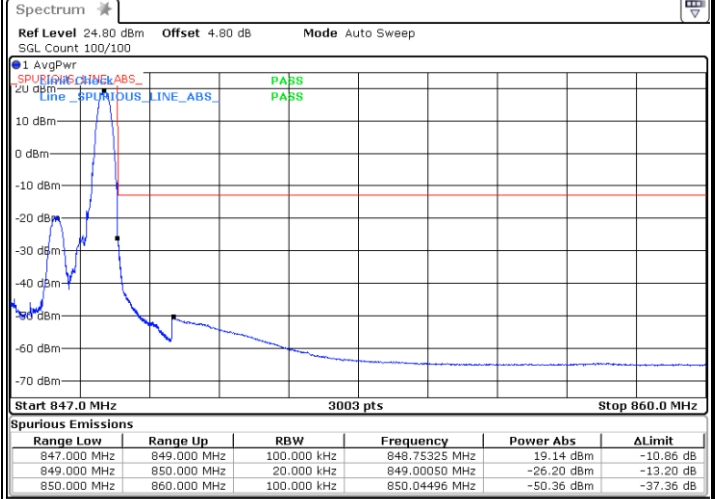
LTE Band 26 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



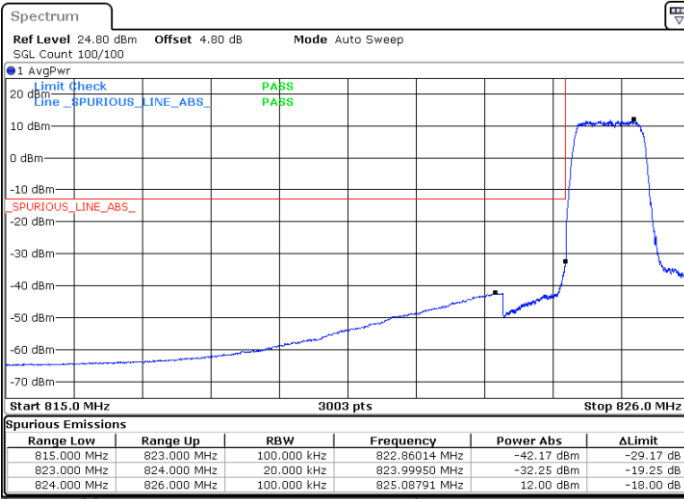
Date: 30 APR 2022 18:13:30



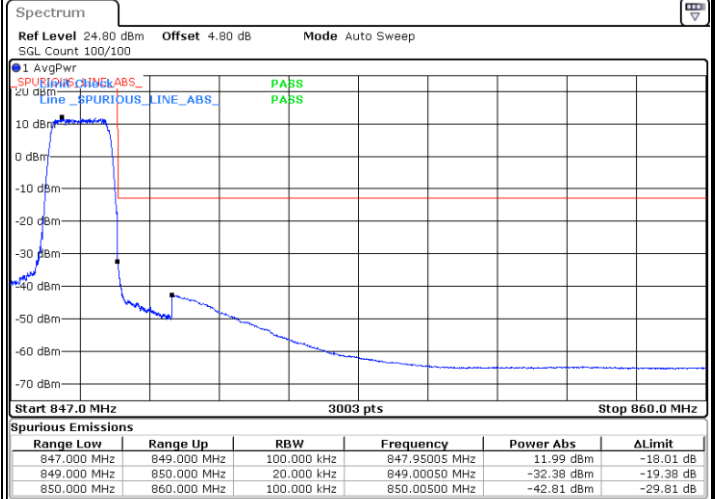
Date: 30 APR 2022 18:29:24

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



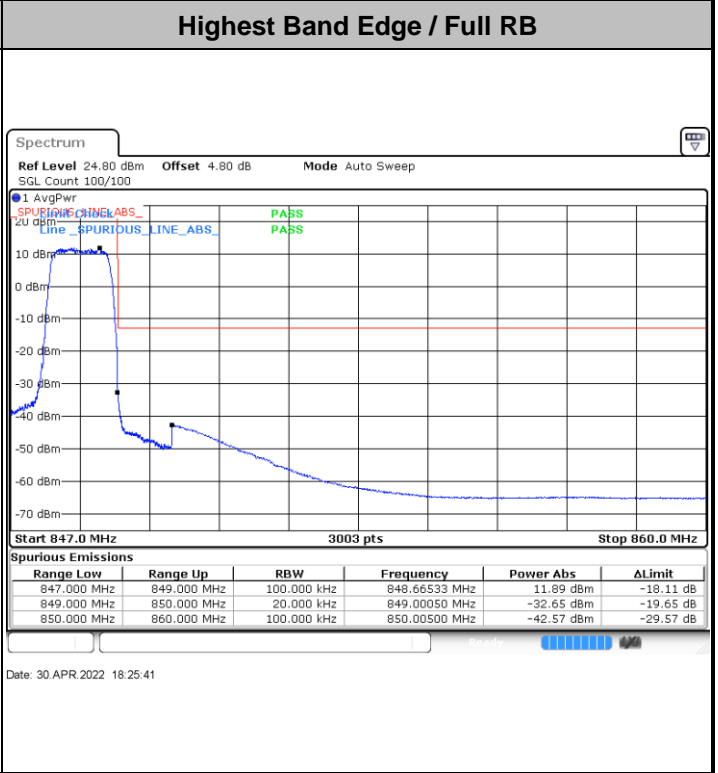
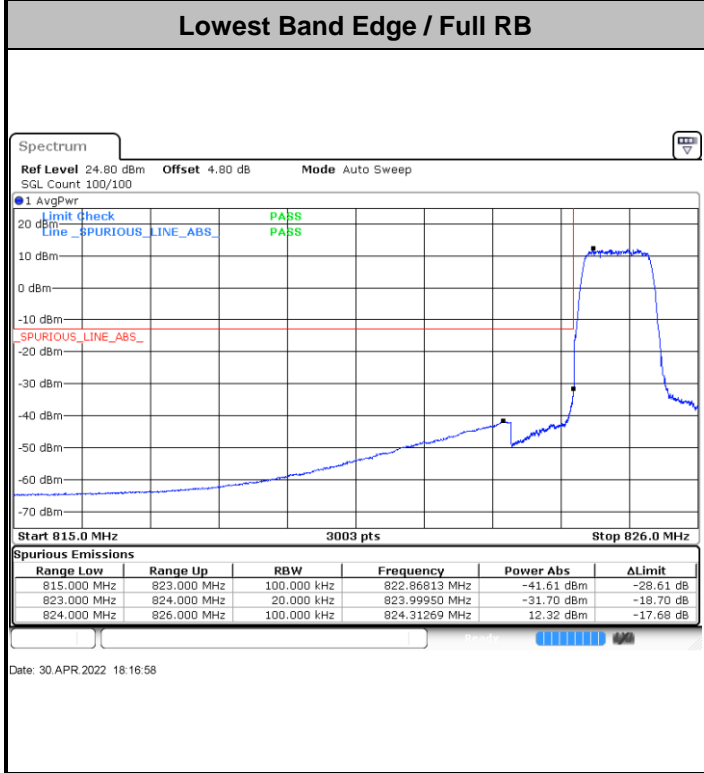
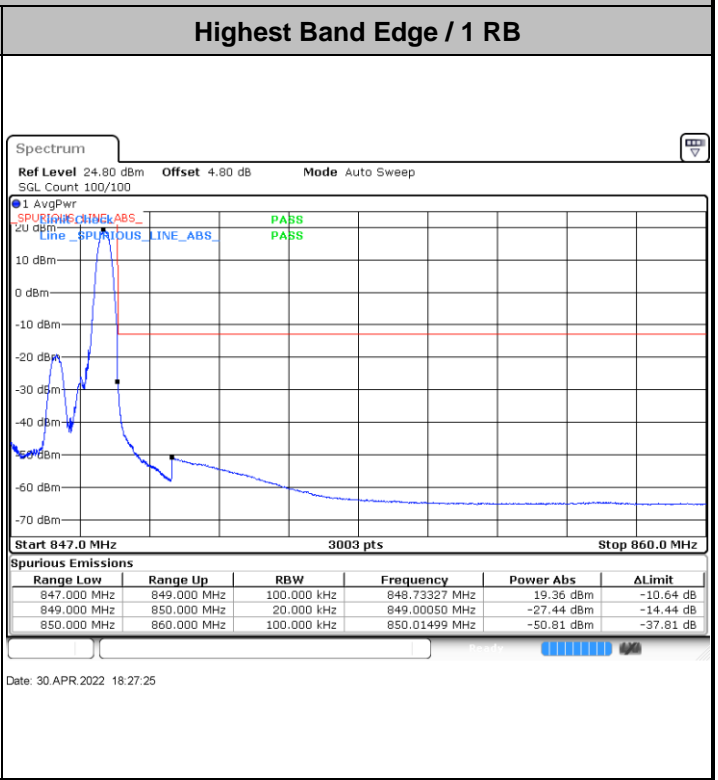
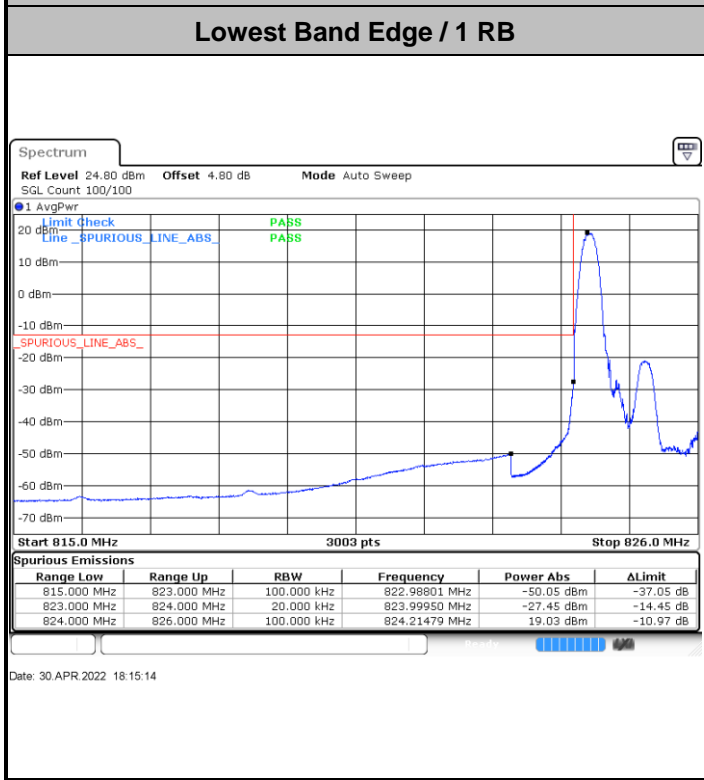
Date: 30 APR 2022 18:18:48



Date: 30 APR 2022 18:23:56



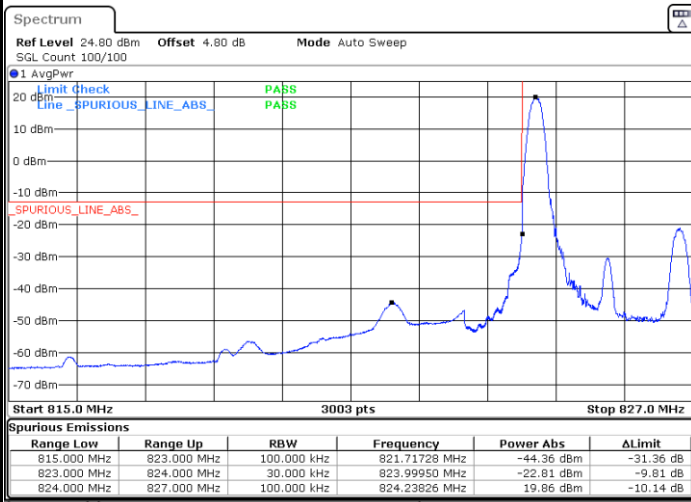
LTE Band 26 / 1.4MHz / 64QAM





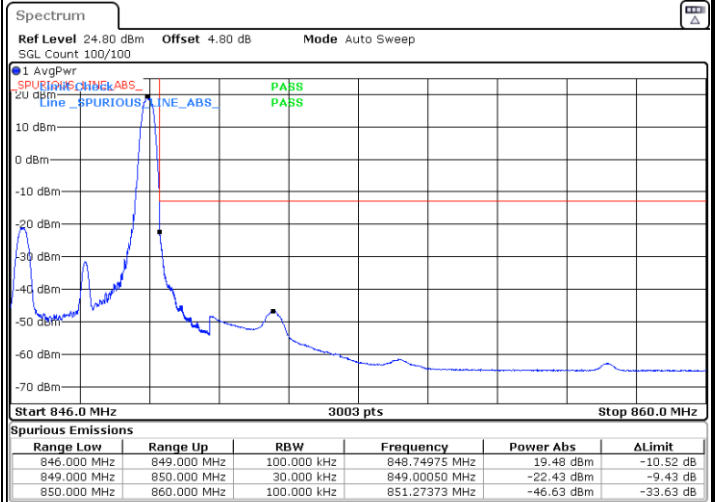
LTE Band 26 / 3MHz / QPSK

Lowest Band Edge / 1RB



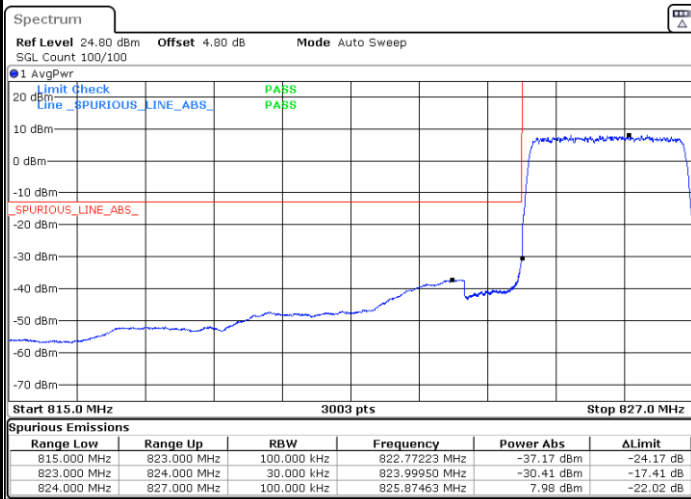
Date: 29.APR.2022 05:33:13

Highest Band Edge / 1 RB



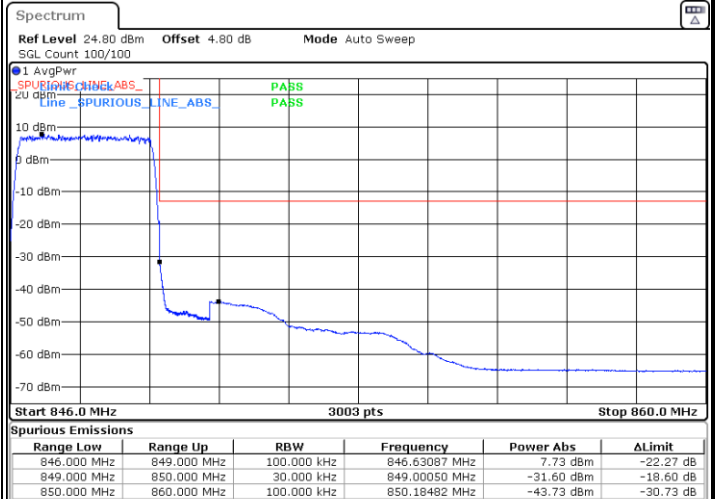
Date: 29.APR.2022 05:44:22

Lowest Band Edge / Full RB



Date: 29.APR.2022 05:40:07

Highest Band Edge / Full RB



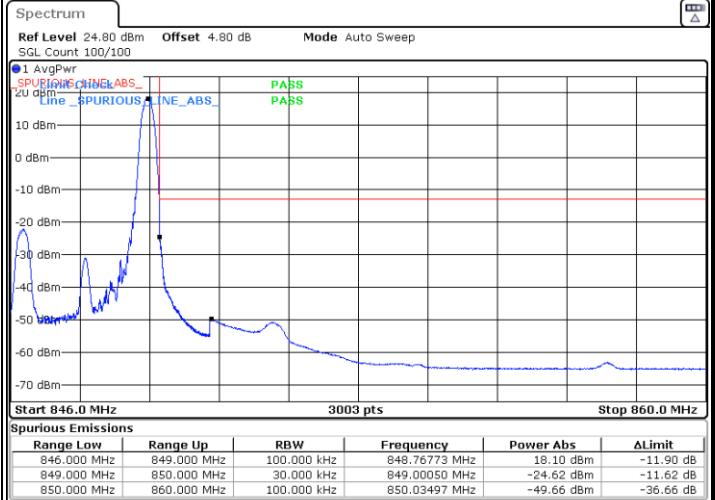
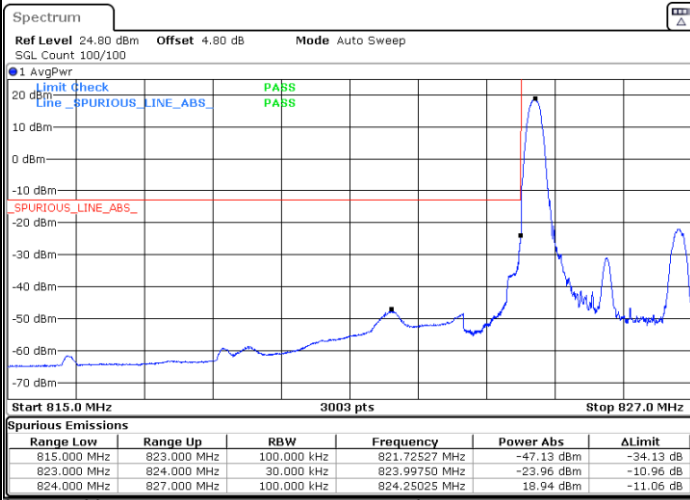
Date: 29.APR.2022 05:51:16



LTE Band 26 / 3MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

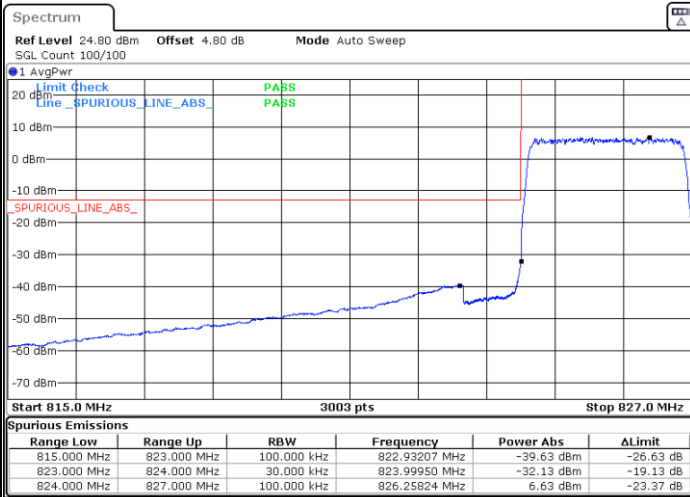


Date: 29.APR.2022 05:34:36

Date: 29.APR.2022 05:45:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 29.APR.2022 05:38:45

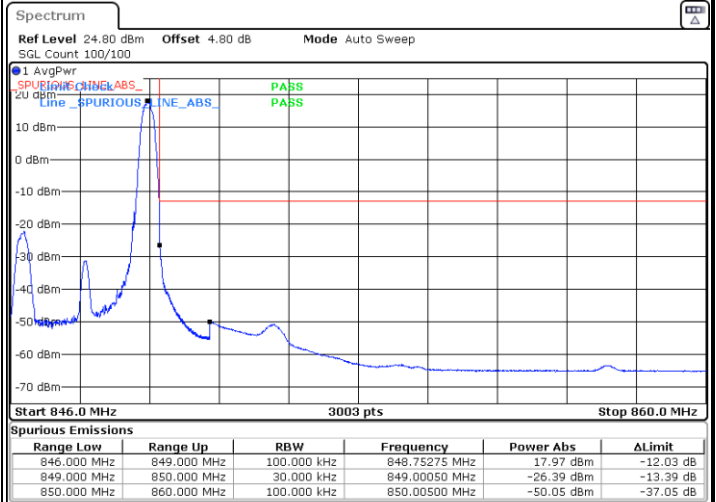
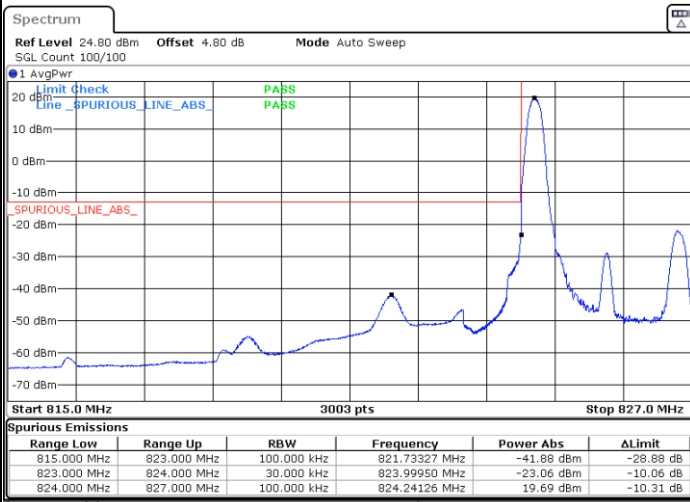
Date: 29.APR.2022 05:49:53



LTE Band 26 / 3MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

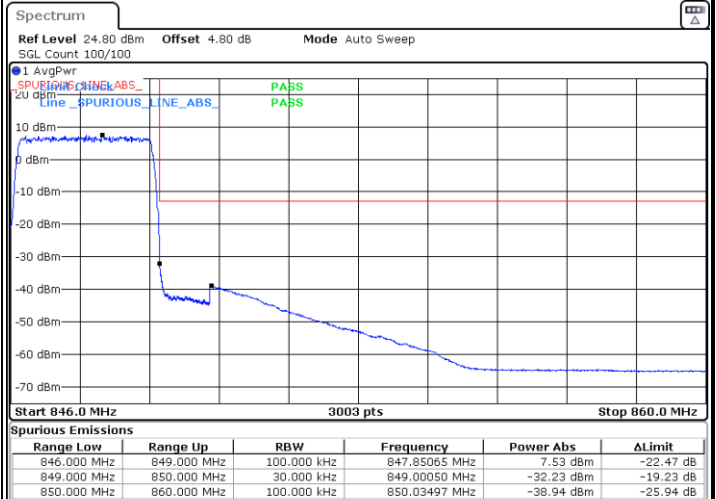
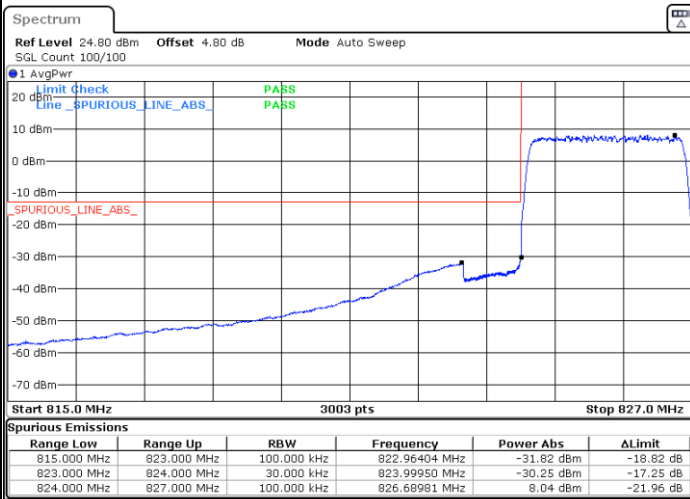


Date: 29.APR.2022 05:35:59

Date: 29.APR.2022 05:47:07

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



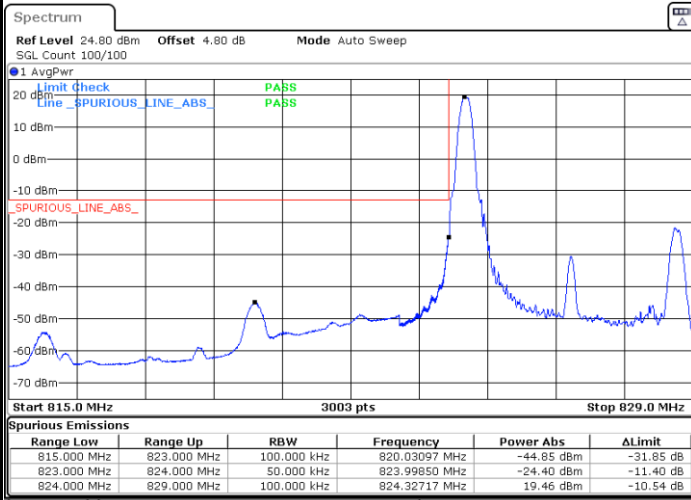
Date: 29.APR.2022 05:37:22

Date: 29.APR.2022 05:48:30



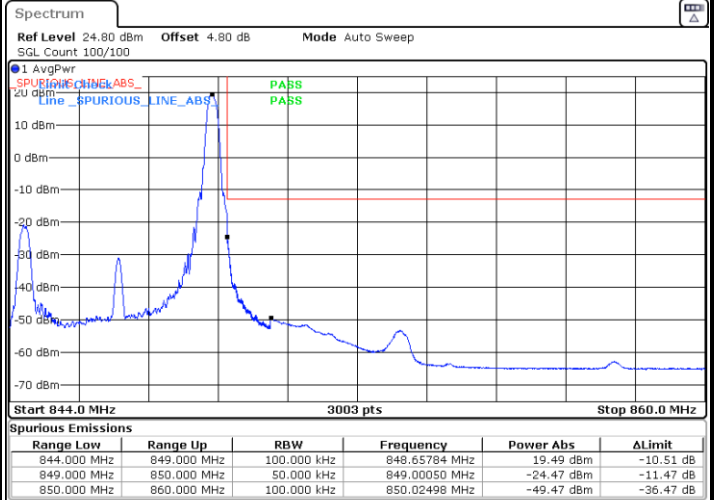
LTE Band 26 / 5MHz / QPSK

Lowest Band Edge / 1 RB



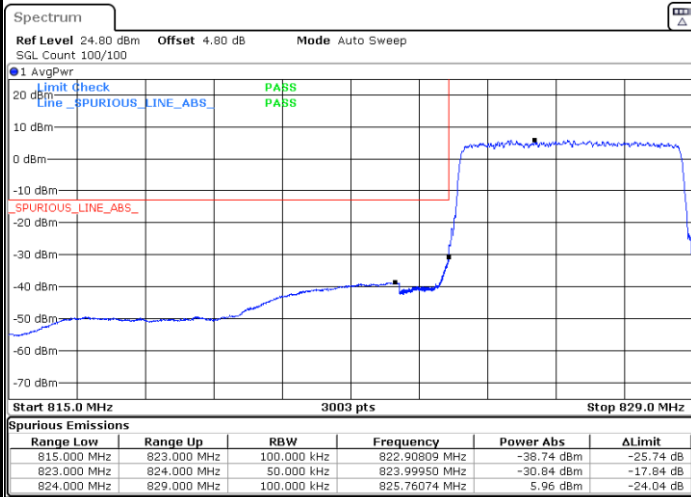
Date: 29.APR.2022 05:53:56

Highest Band Edge / 1 RB



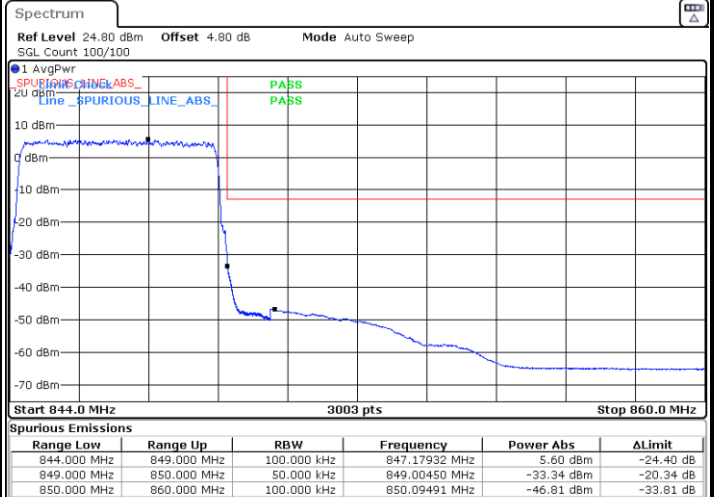
Date: 29.APR.2022 06:05:04

Lowest Band Edge / Full RB



Date: 29.APR.2022 06:00:51

Highest Band Edge / Full RB

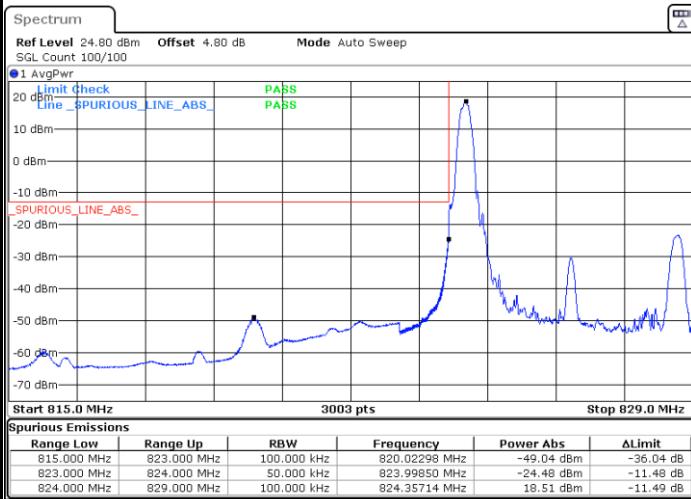


Date: 29.APR.2022 06:11:59

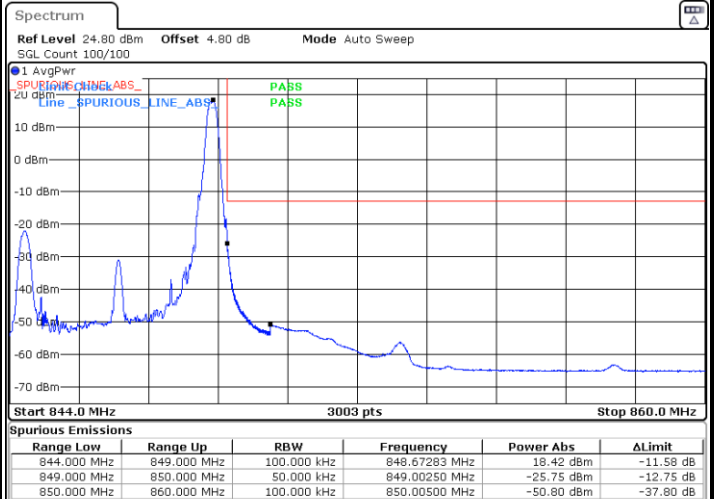


LTE Band 26 / 5MHz / 16QAM

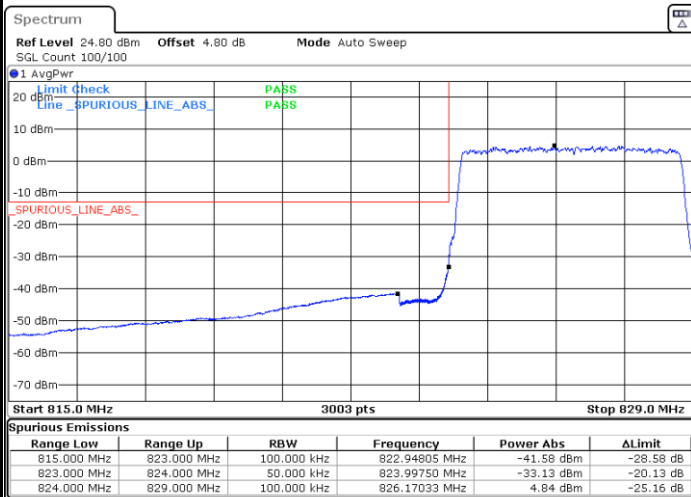
Lowest Band Edge / 1RB



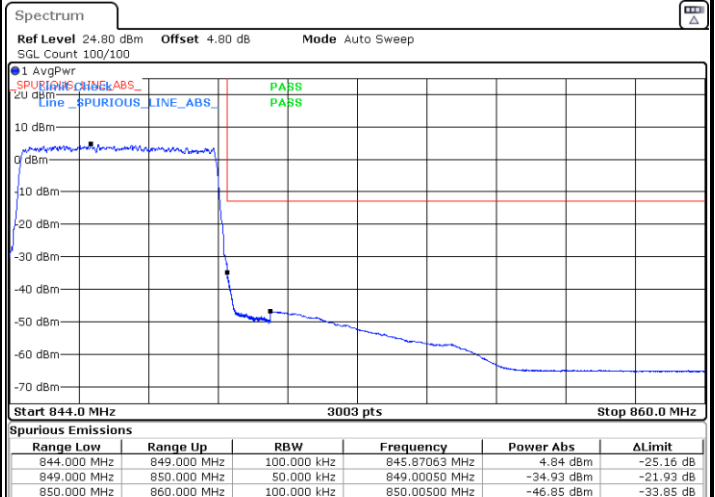
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



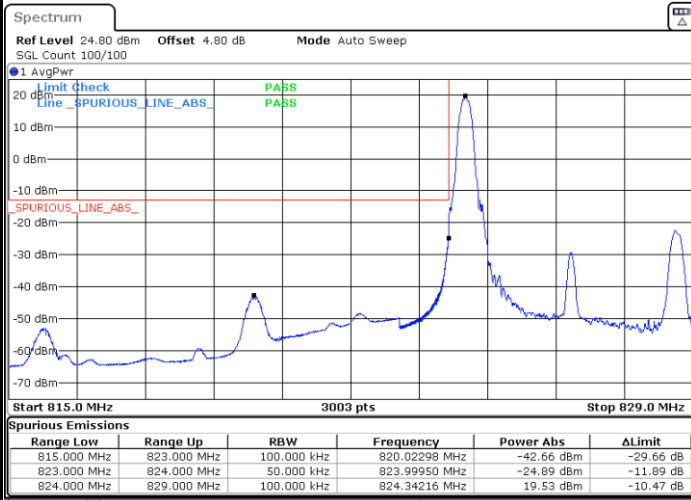
Highest Band Edge / Full RB





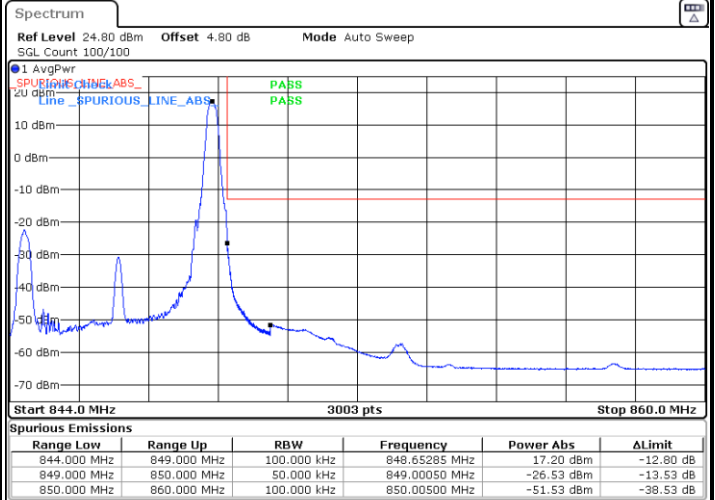
LTE Band 26 / 5MHz / 64QAM

Lowest Band Edge / 1RB



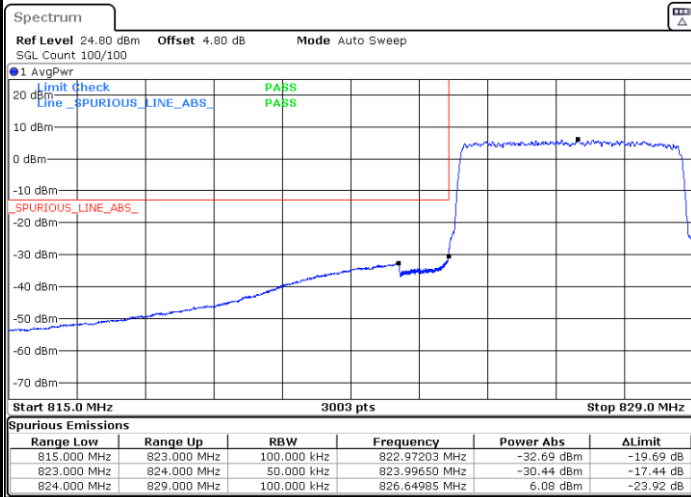
Date: 29.APR.2022 05:56:42

Highest Band Edge / 1 RB



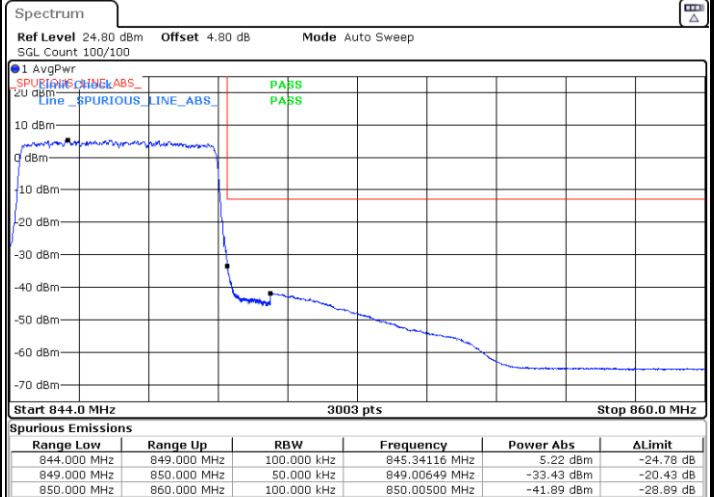
Date: 29.APR.2022 06:07:50

Lowest Band Edge / Full RB



Date: 29.APR.2022 05:58:05

Highest Band Edge / Full RB

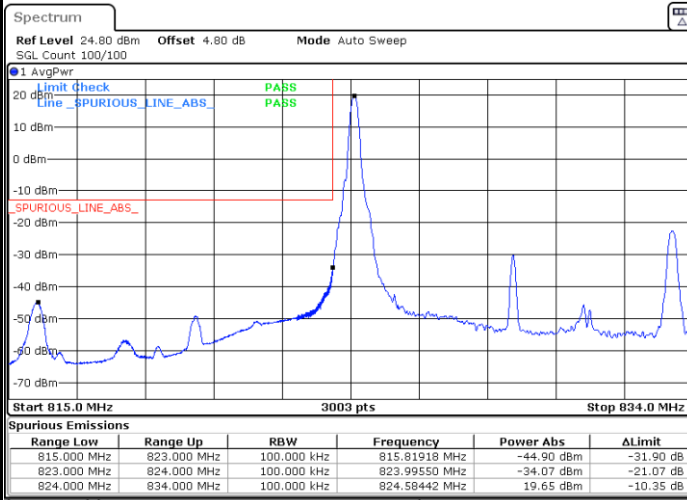


Date: 29.APR.2022 06:09:13



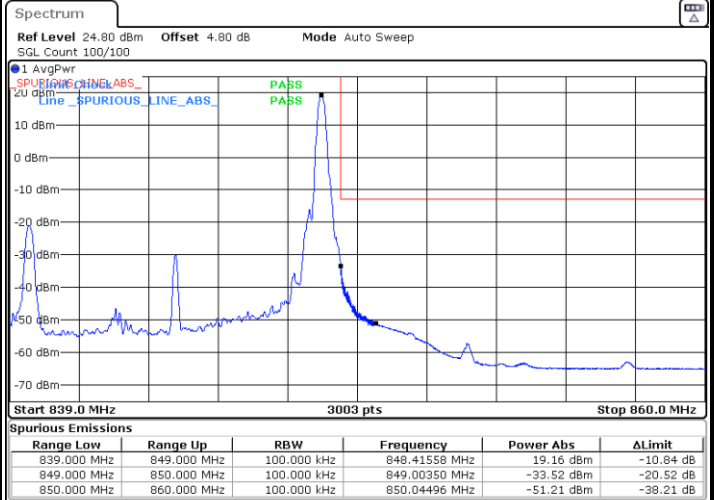
LTE Band 26 / 10MHz / QPSK

Lowest Band Edge / 1 RB



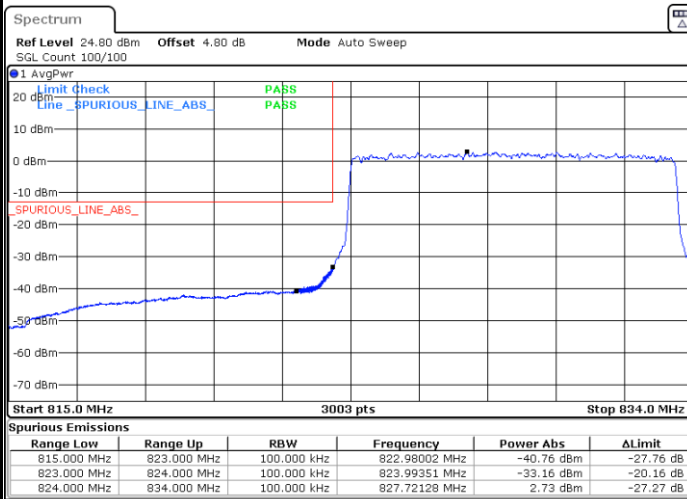
Date: 29.APR.2022 06:14:39

Highest Band Edge / 1 RB



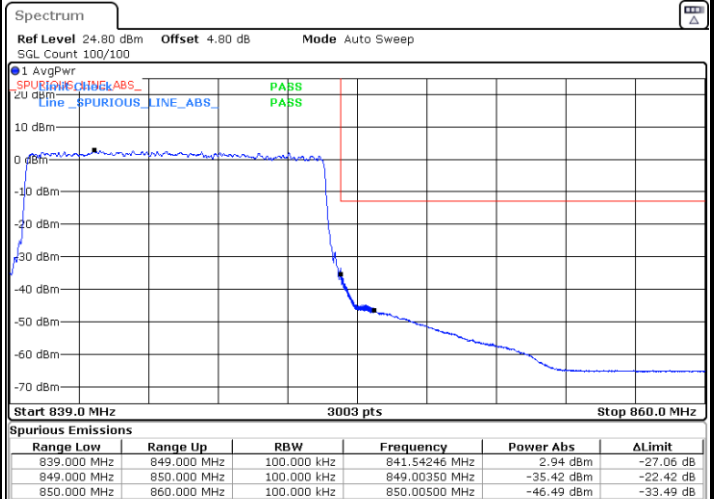
Date: 29.APR.2022 06:25:47

Lowest Band Edge / Full RB



Date: 29.APR.2022 06:21:33

Highest Band Edge / Full RB

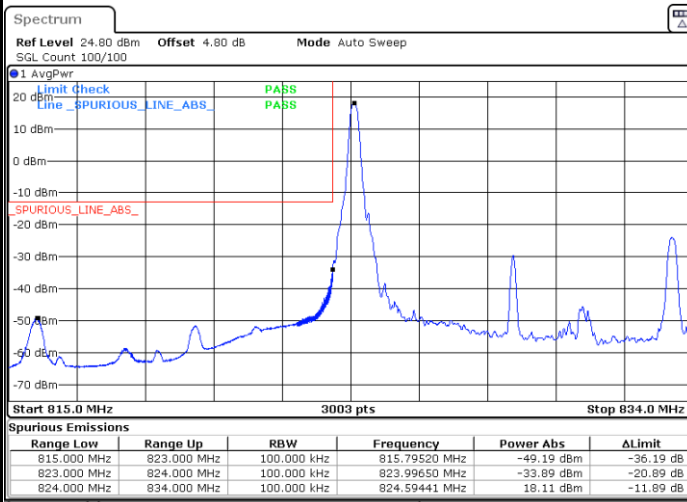


Date: 29.APR.2022 06:32:42



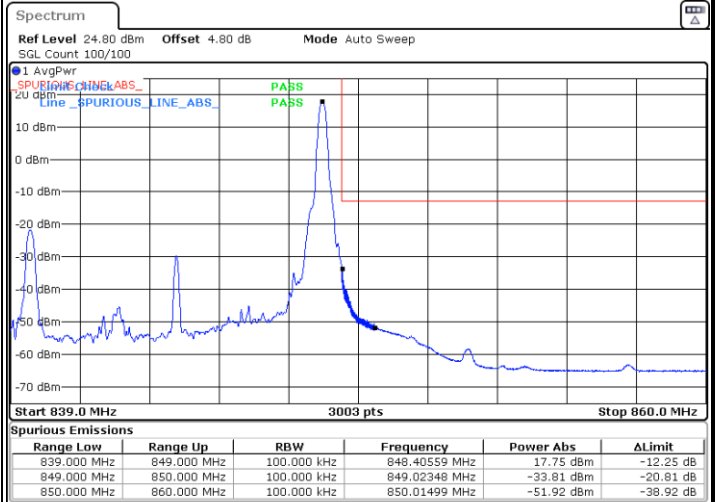
LTE Band 26 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



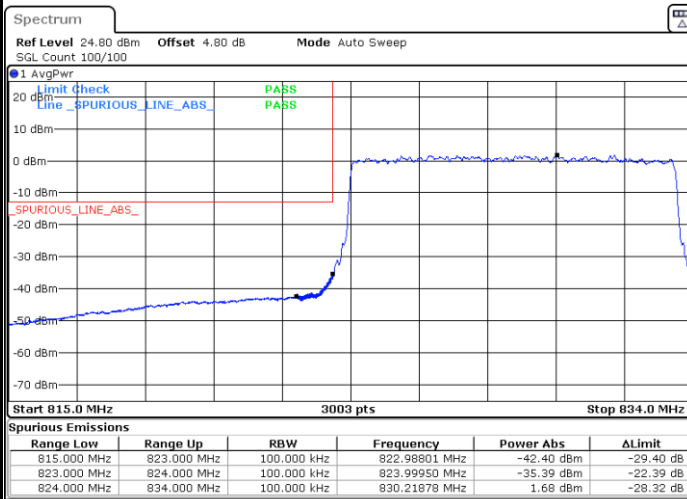
Date: 29.APR.2022 06:16:01

Highest Band Edge / 1 RB



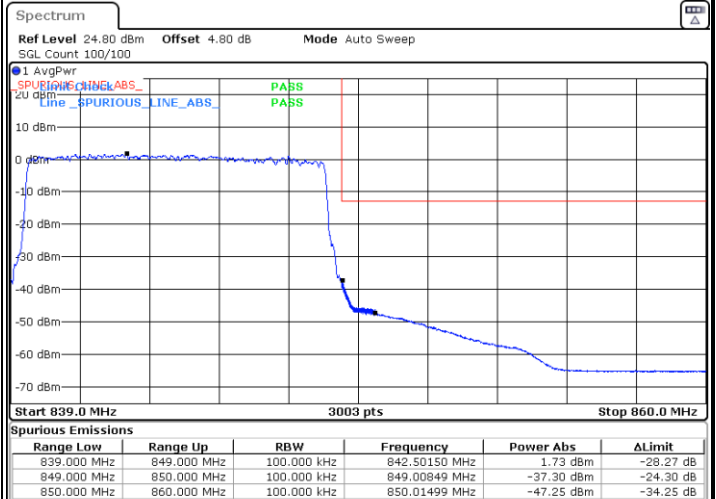
Date: 29.APR.2022 06:27:10

Lowest Band Edge / Full RB



Date: 29.APR.2022 06:20:10

Highest Band Edge / Full RB

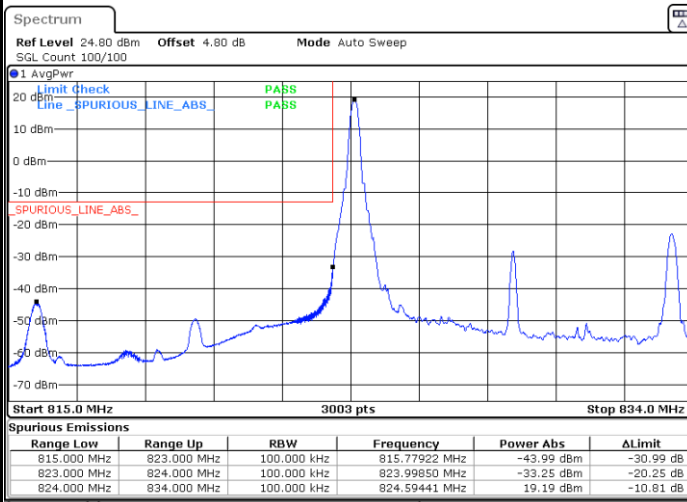


Date: 29.APR.2022 06:31:19



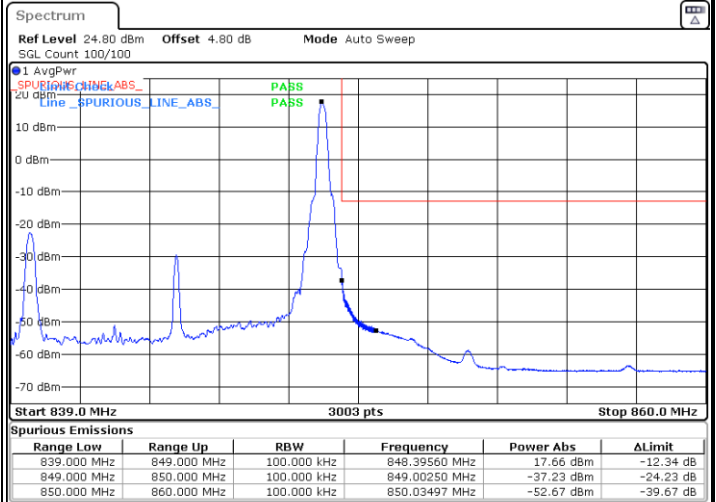
LTE Band 26 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



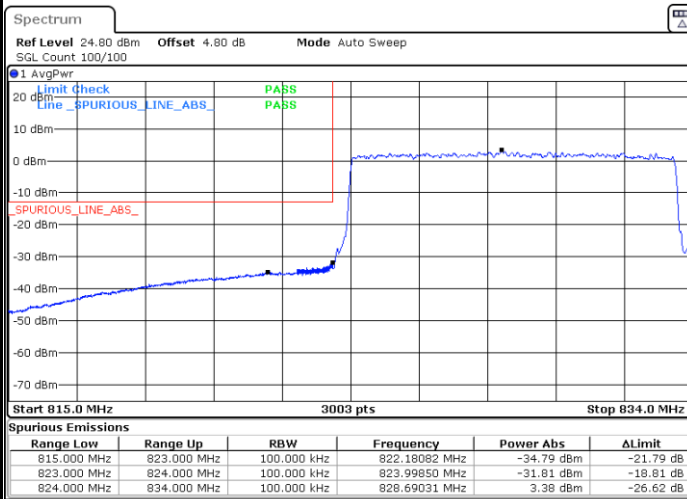
Date: 29.APR.2022 06:17:24

Highest Band Edge / 1 RB



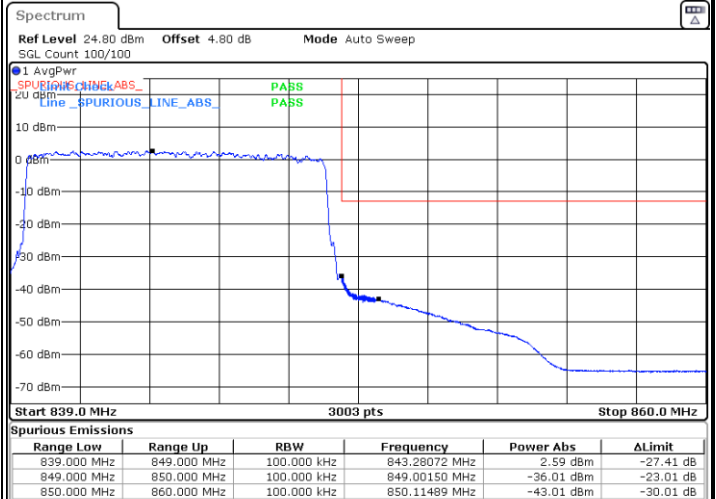
Date: 29.APR.2022 06:28:33

Lowest Band Edge / Full RB



Date: 29.APR.2022 06:18:47

Highest Band Edge / Full RB



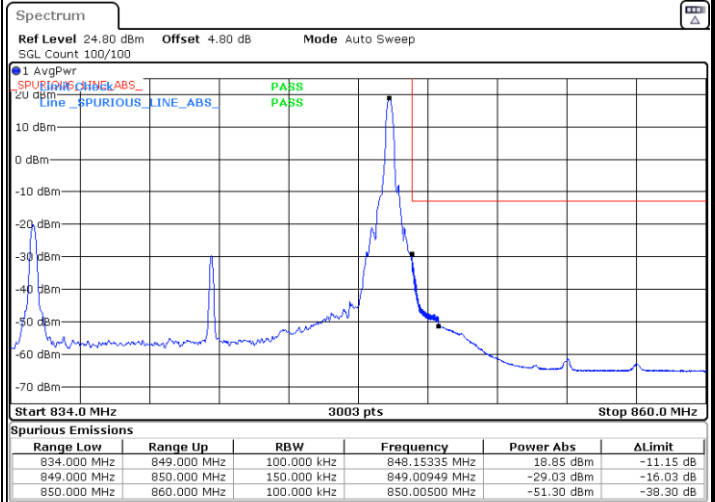
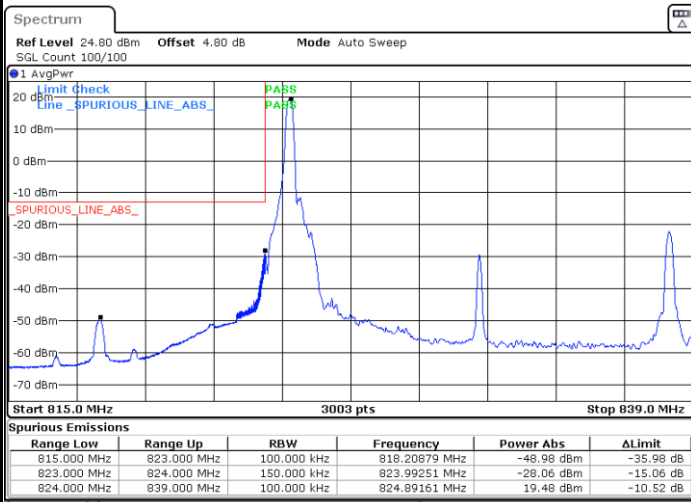
Date: 29.APR.2022 06:29:56



LTE Band 26 / 15MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

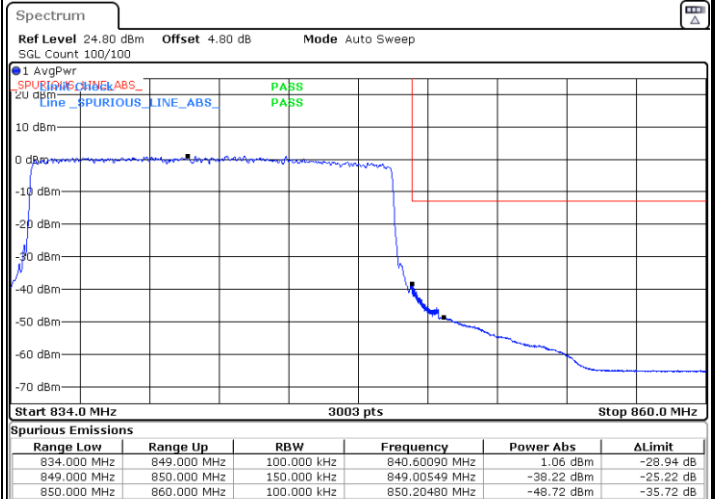
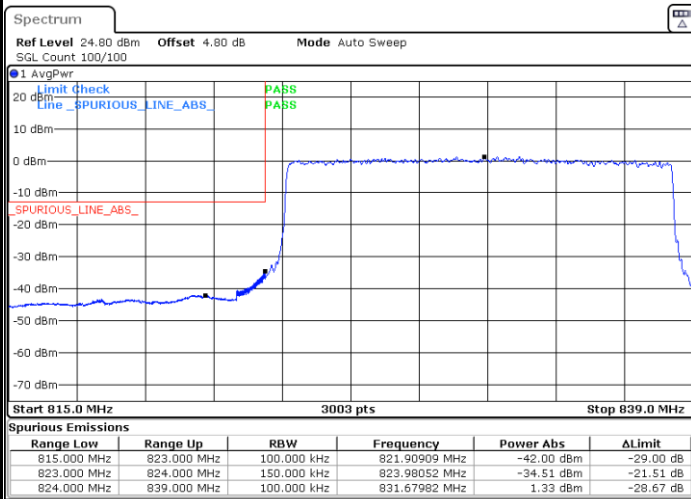


Date: 29.APR.2022 06:35:23

Date: 29.APR.2022 06:46:44

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



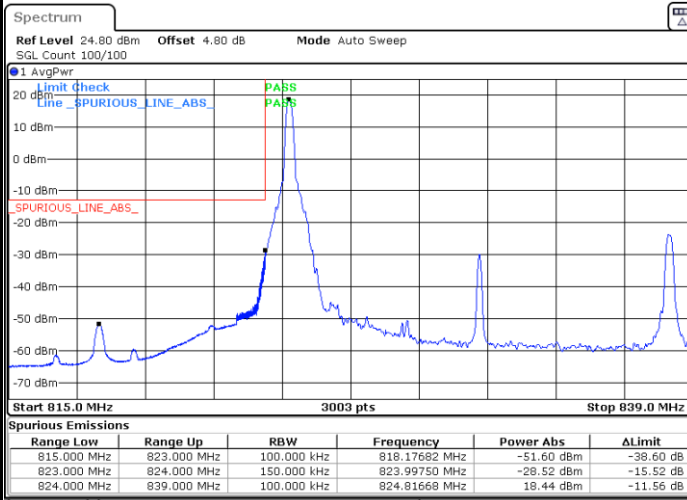
Date: 29.APR.2022 06:42:28

Date: 29.APR.2022 06:53:51



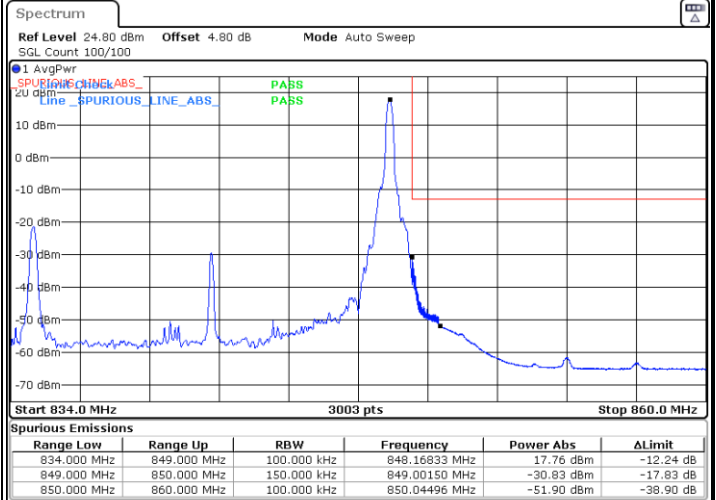
LTE Band 26 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



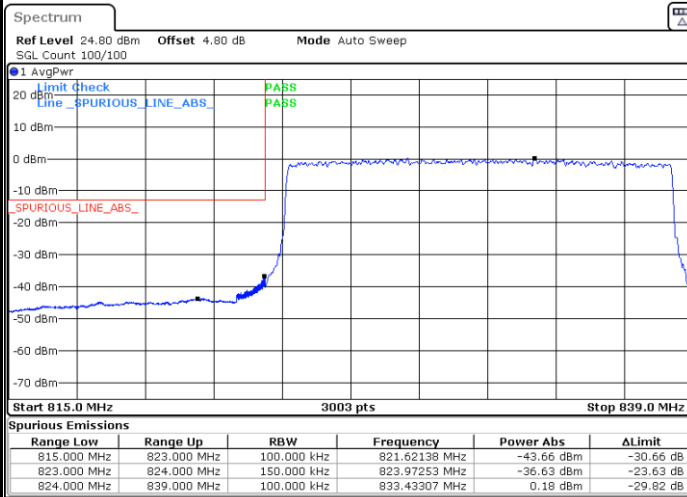
Date: 29.APR.2022 06:36:48

Highest Band Edge / 1 RB



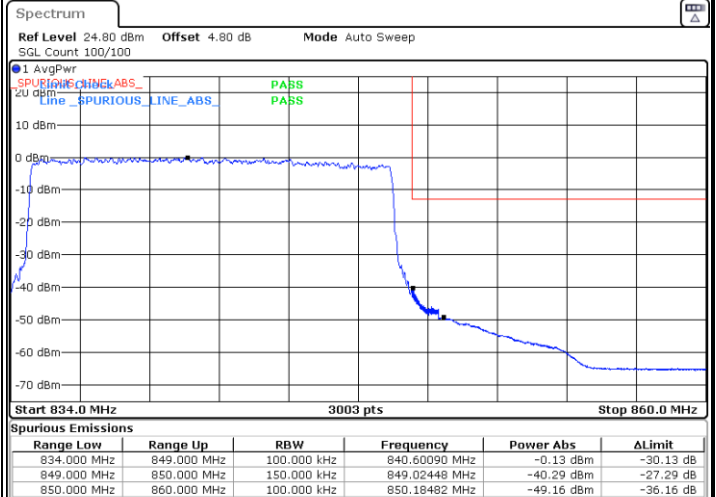
Date: 29.APR.2022 06:48:09

Lowest Band Edge / Full RB



Date: 29.APR.2022 06:41:03

Highest Band Edge / Full RB

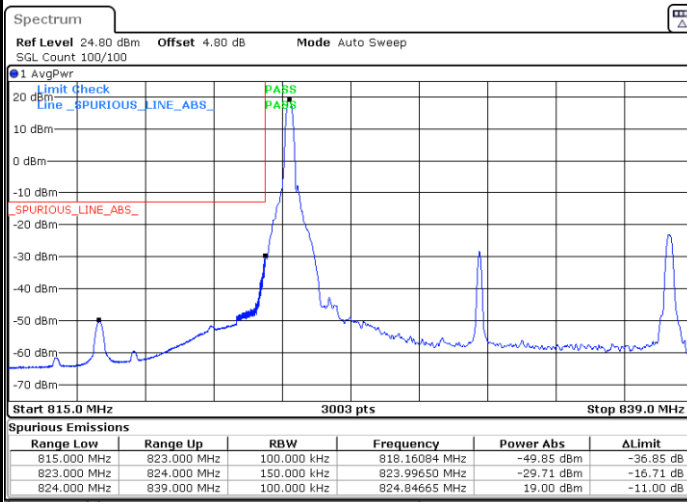


Date: 29.APR.2022 06:52:25



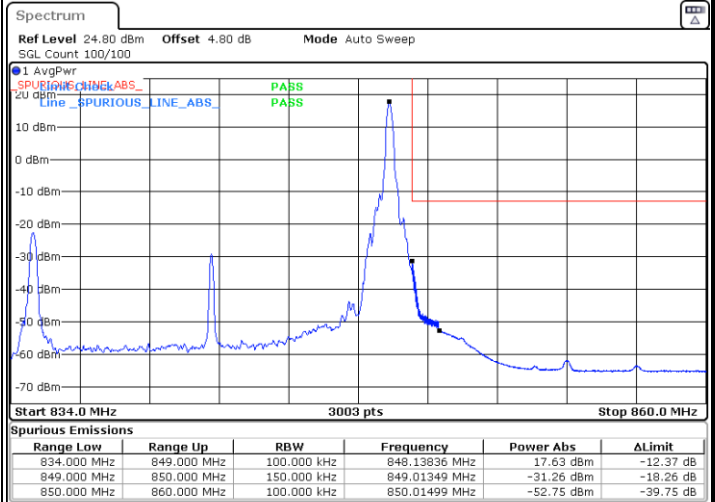
LTE Band 26 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



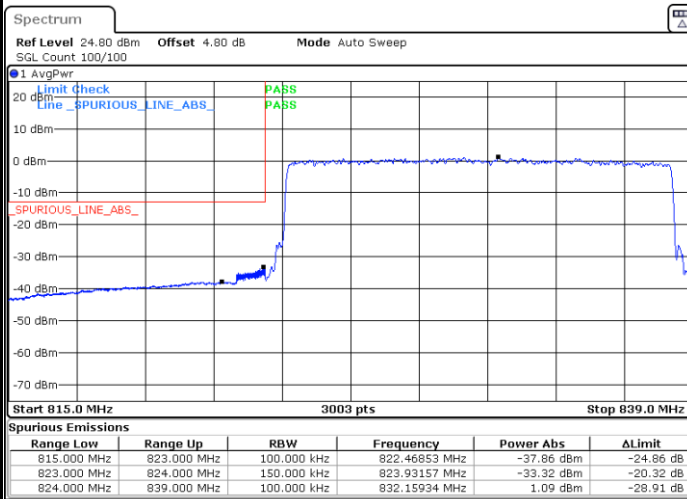
Date: 29.APR.2022 06:38:13

Highest Band Edge / 1 RB



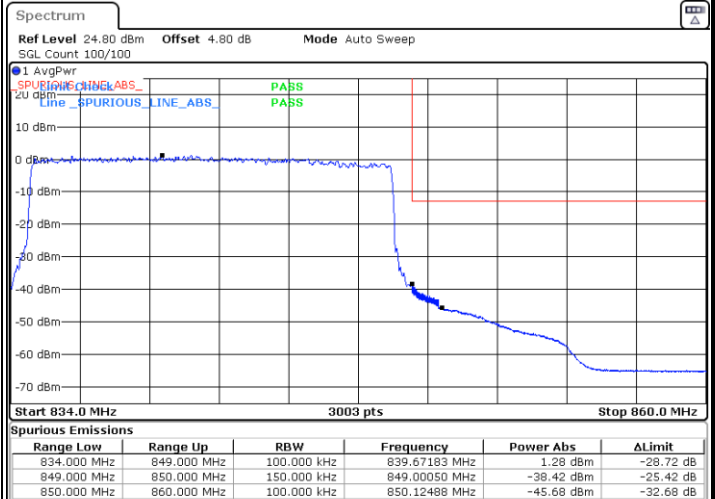
Date: 29.APR.2022 06:49:34

Lowest Band Edge / Full RB



Date: 29.APR.2022 06:39:38

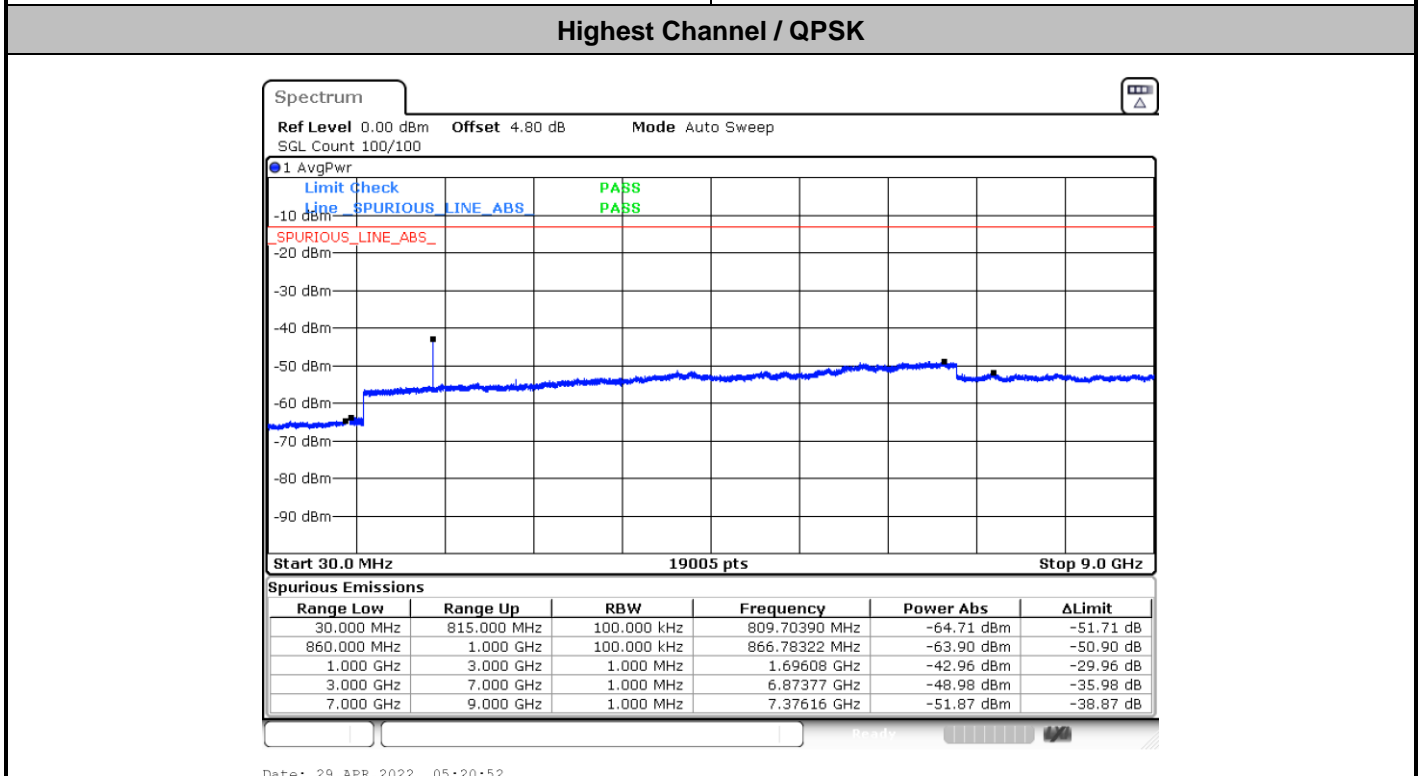
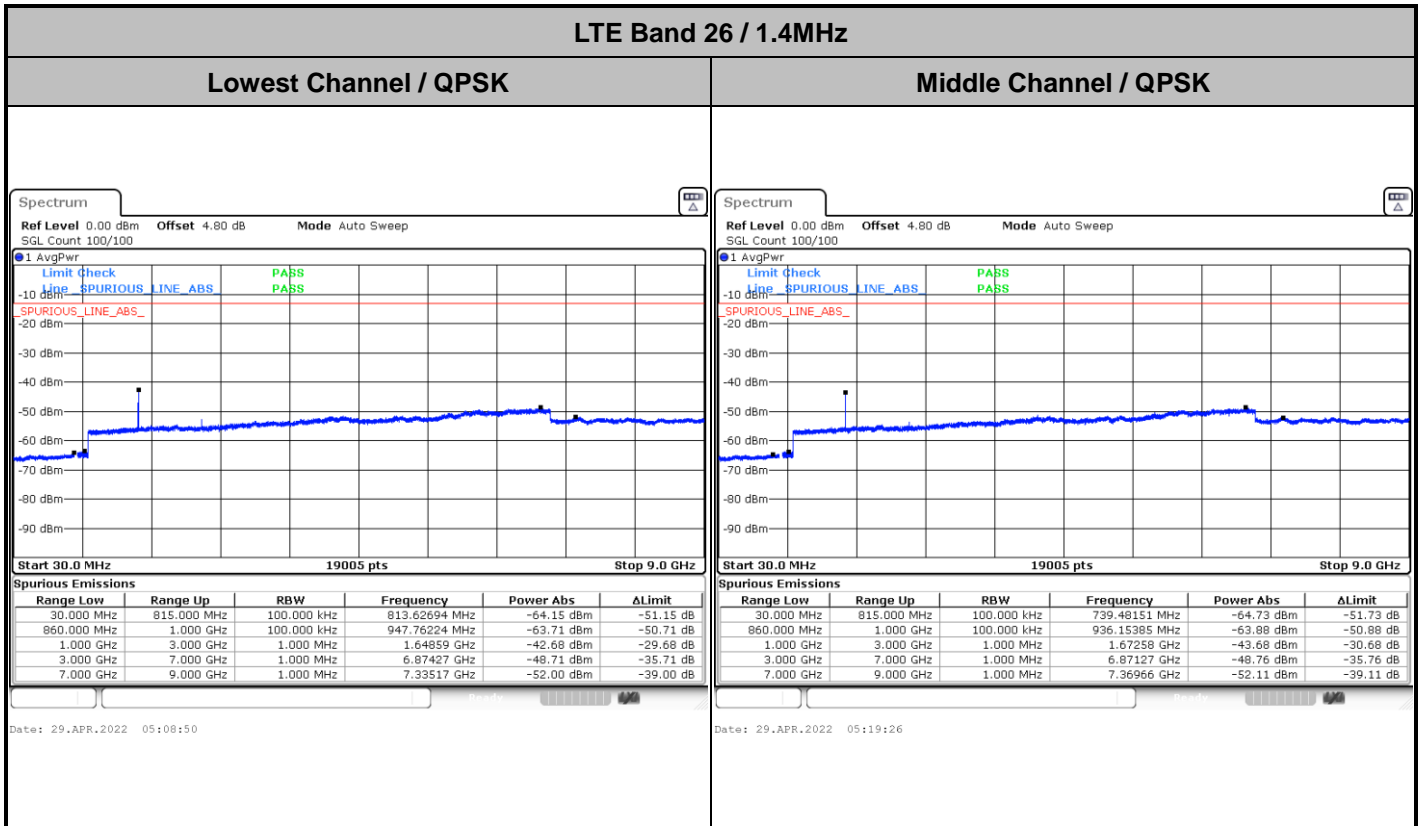
Highest Band Edge / Full RB



Date: 29.APR.2022 06:51:00



Conducted Spurious Emission

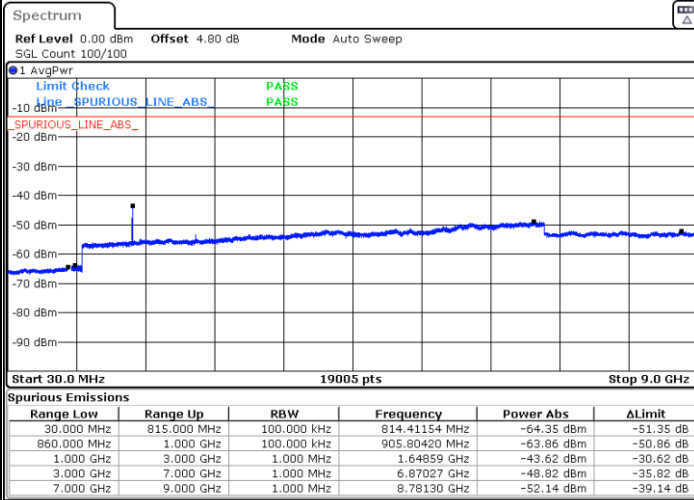




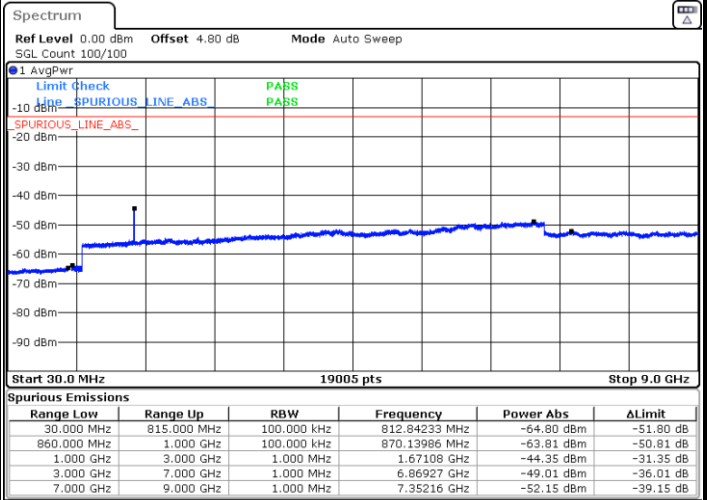
LTE Band 26 / 3MHz

Lowest Channel / QPSK

Middle Channel / QPSK

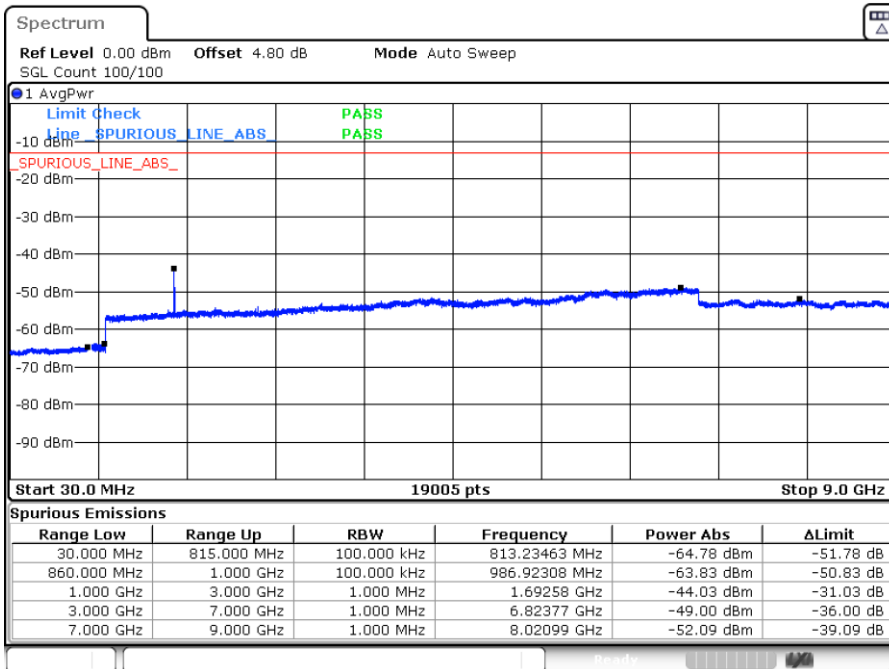


Date: 29.APR.2022 05:32:00



Date: 29.APR.2022 05:41:33

Highest Channel / QPSK



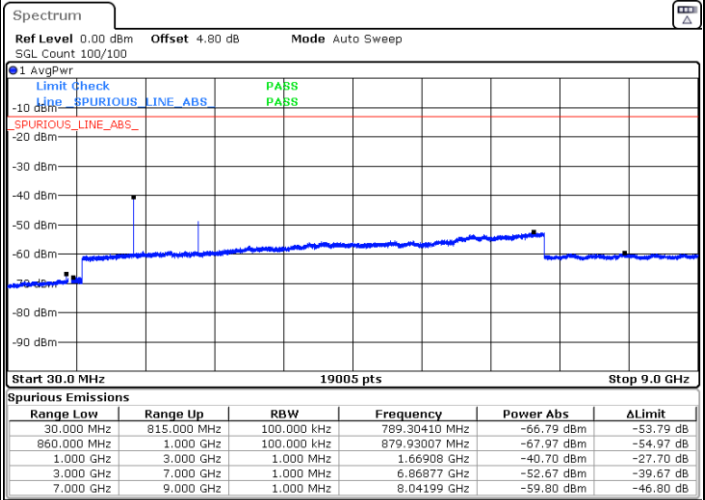
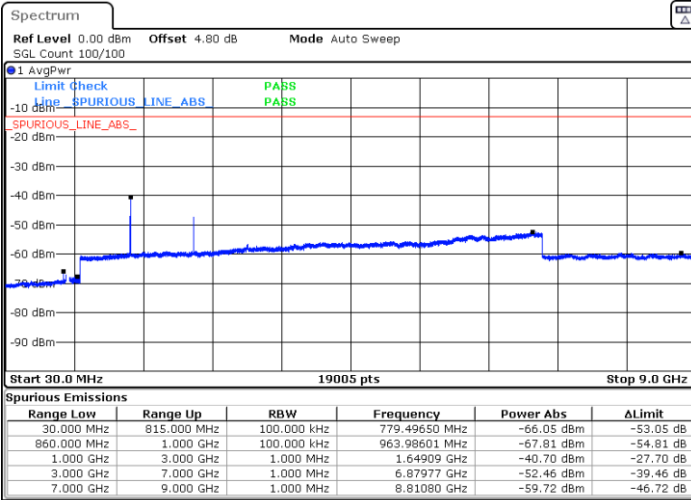
Date: 29.APR.2022 05:42:59



LTE Band 26 / 5MHz

Lowest Channel / QPSK

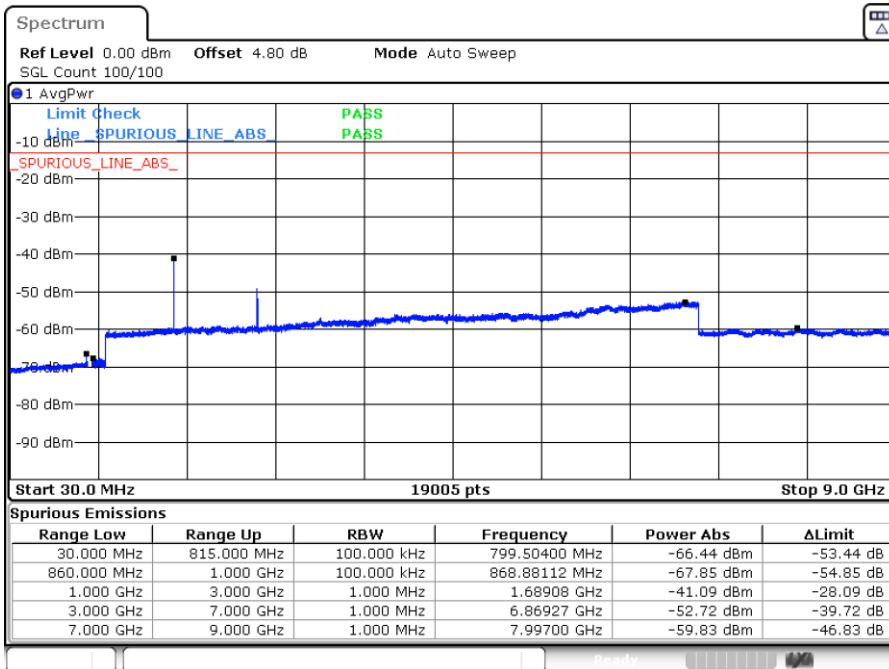
Middle Channel / QPSK



Date: 29.APR.2022 05:52:42

Date: 29.APR.2022 06:02:16

Highest Channel / QPSK



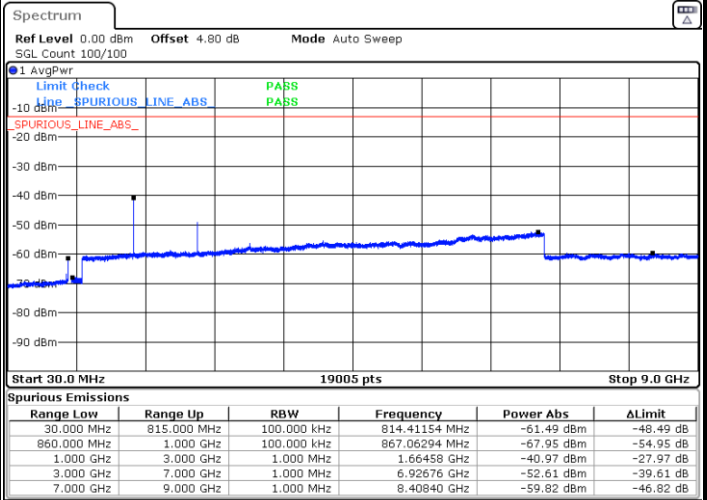
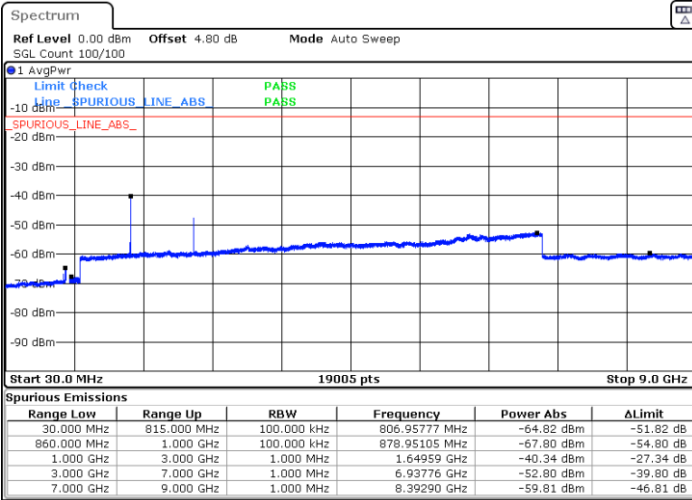
Date: 29.APR.2022 06:03:41



LTE Band 26 / 10MHz

Lowest Channel / QPSK

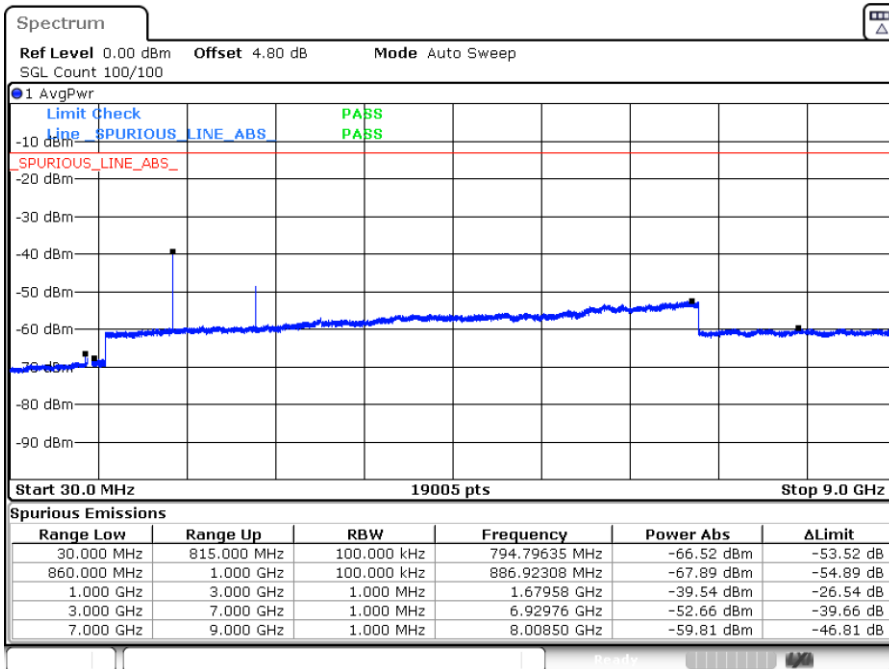
Middle Channel / QPSK



Date: 29.APR.2022 06:13:25

Date: 29.APR.2022 06:22:58

Highest Channel / QPSK



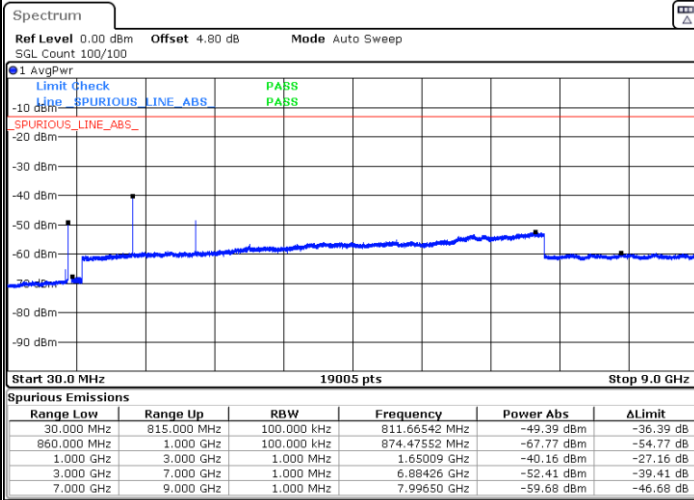
Date: 29.APR.2022 06:24:24



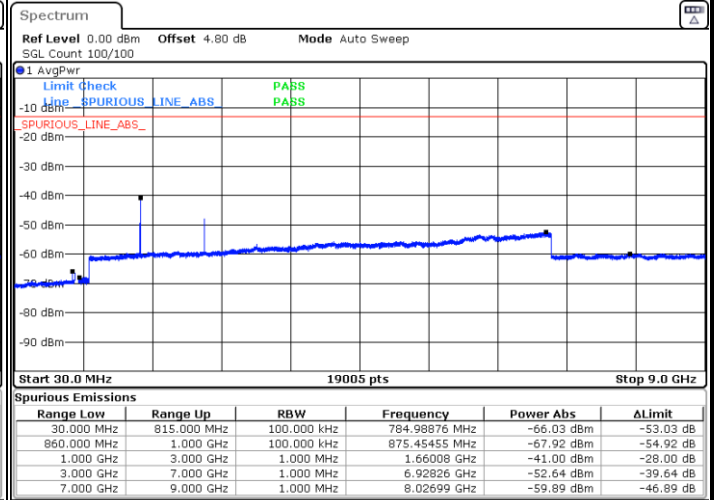
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

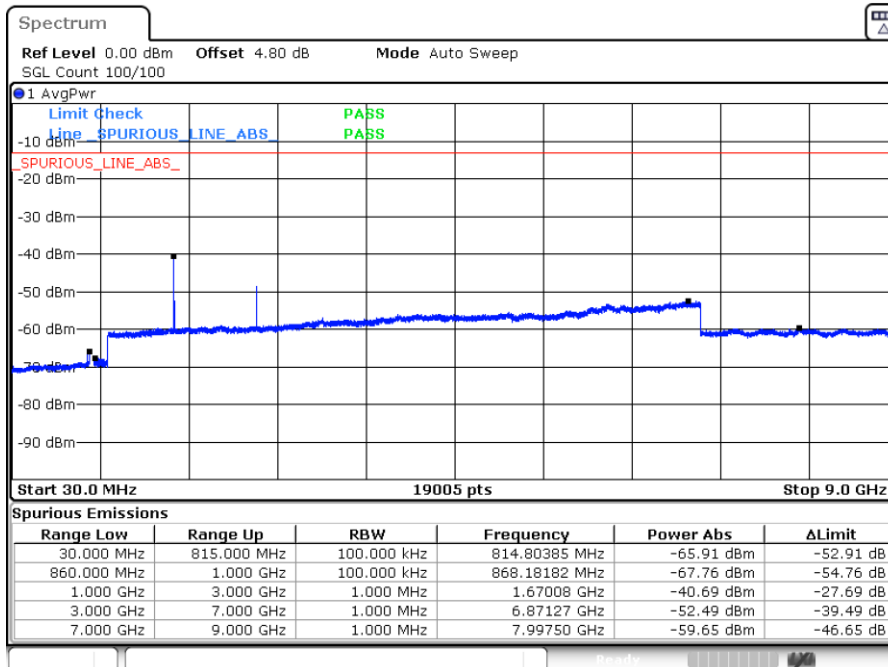


Date: 29.APR.2022 06:34:07



Date: 29.APR.2022 06:43:53

Highest Channel / QPSK



Date: 29.APR.2022 06:45:18



Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0170	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0039	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0146	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0054	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0133	
20	Maximum Voltage	0.0025	
20	Normal Voltage	0.0024	
20	Battery End Point	0.0093	

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 38

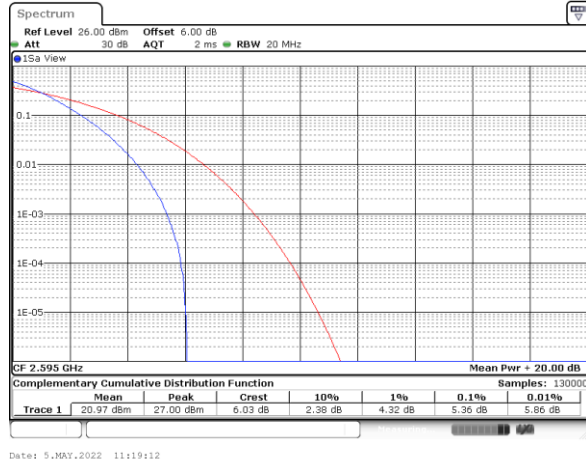
Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.36	6.20	6.38	PASS

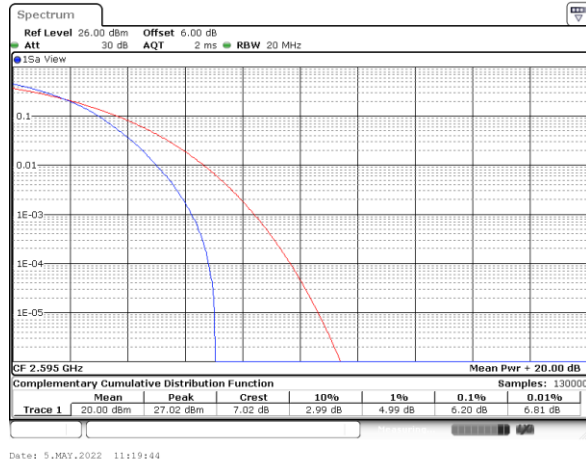


LTE Band 38 / 20MHz

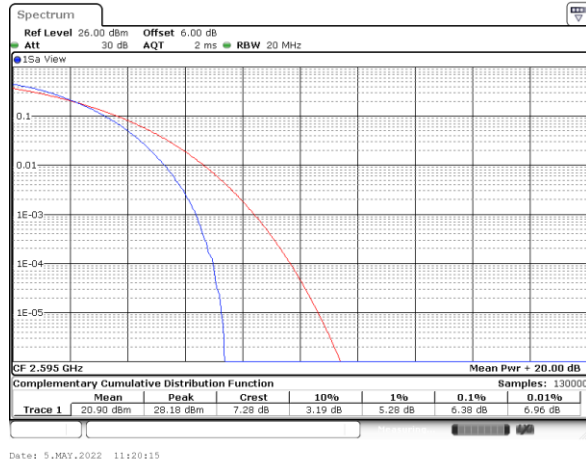
Middle Channel / Full RB / QPSK



Middle Channel / Full RB / 16QAM



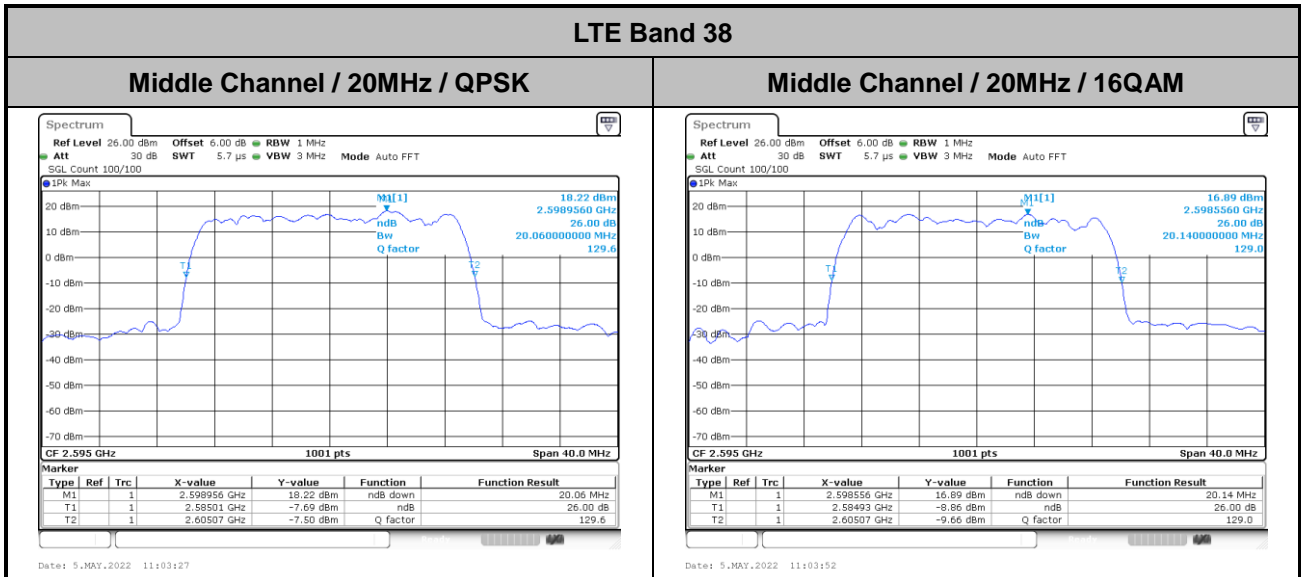
Middle Channel / Full RB / 64QAM





26dB Bandwidth

Mode	LTE Band 38 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.06	20.14





Occupied Bandwidth

Mode	LTE Band 38 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.34	18.14

