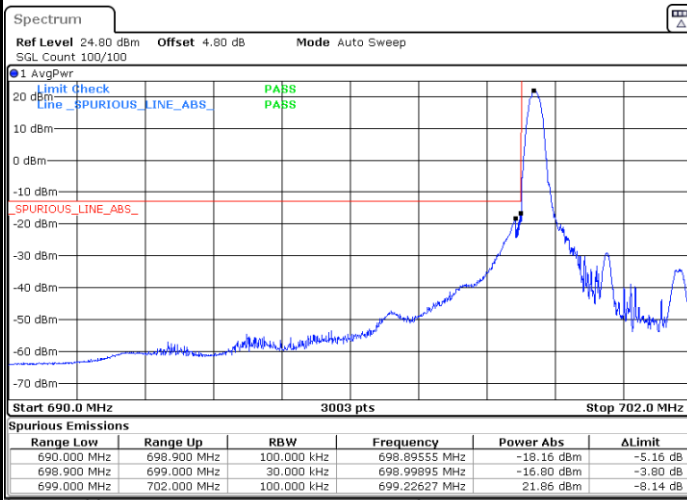




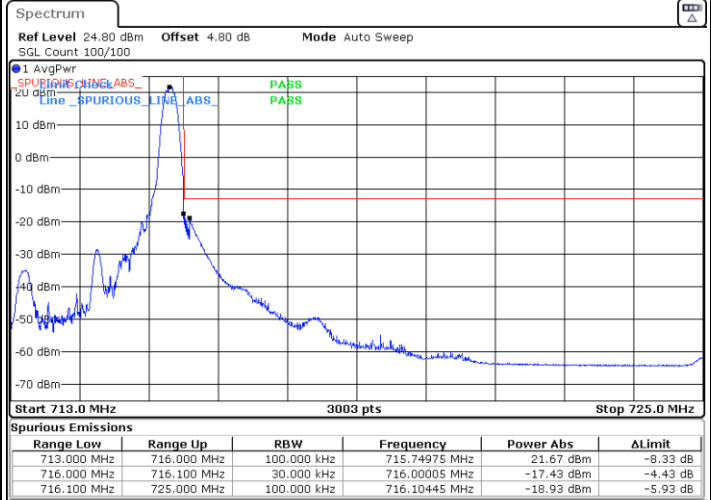
LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



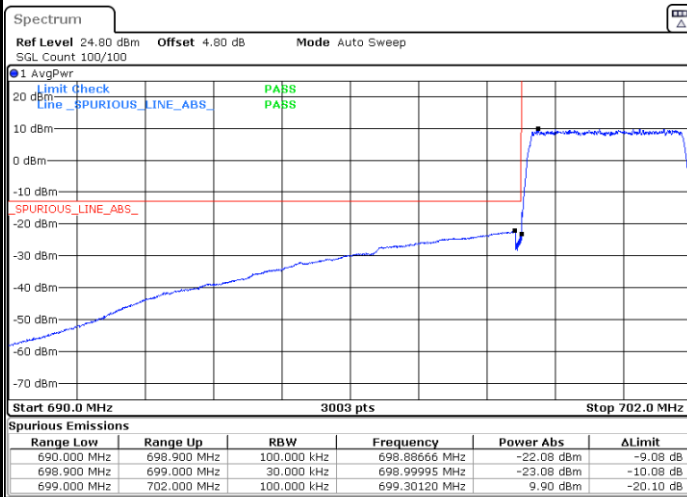
Date: 7.AUG.2022 12:05:05

Highest Band Edge / 1 RB



Date: 7.AUG.2022 12:18:34

Lowest Band Edge / Full RB



Date: 7.AUG.2022 12:10:07

Highest Band Edge / Full RB

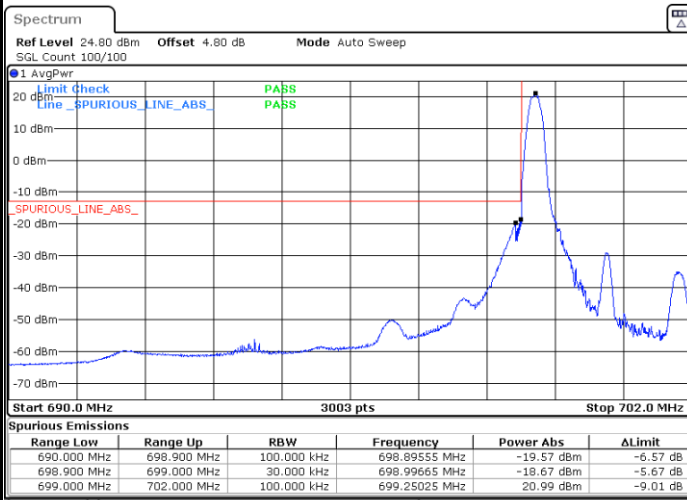


Date: 7.AUG.2022 12:23:36



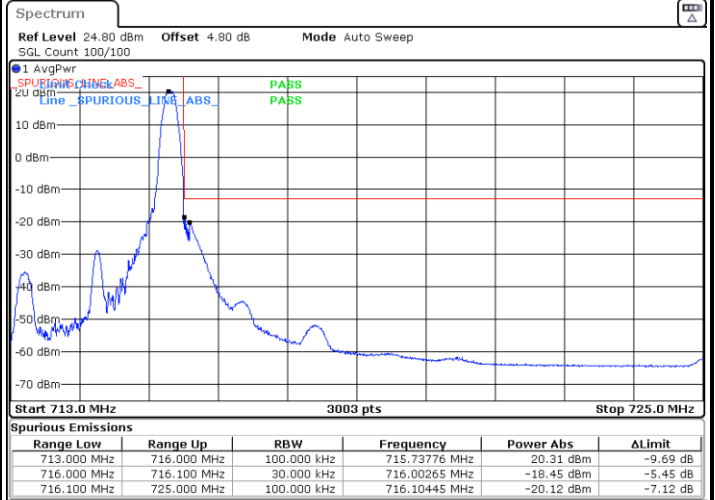
LTE Band 12 / 3MHz / 64QAM

Lowest Band Edge / 1 RB



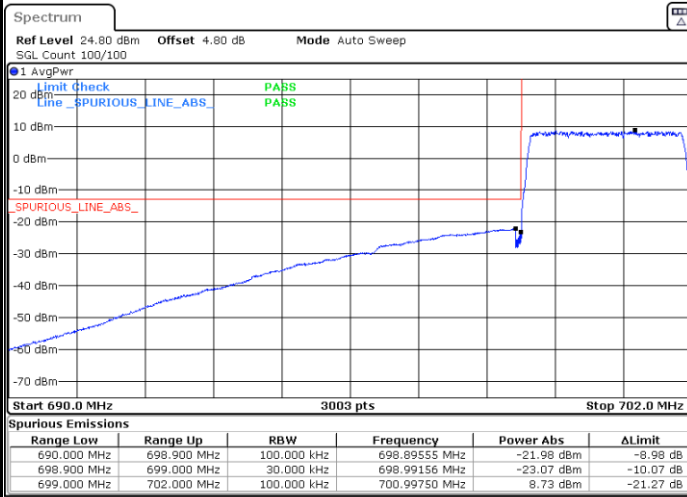
Date: 7.AUG.2022 12:06:46

Highest Band Edge / 1 RB



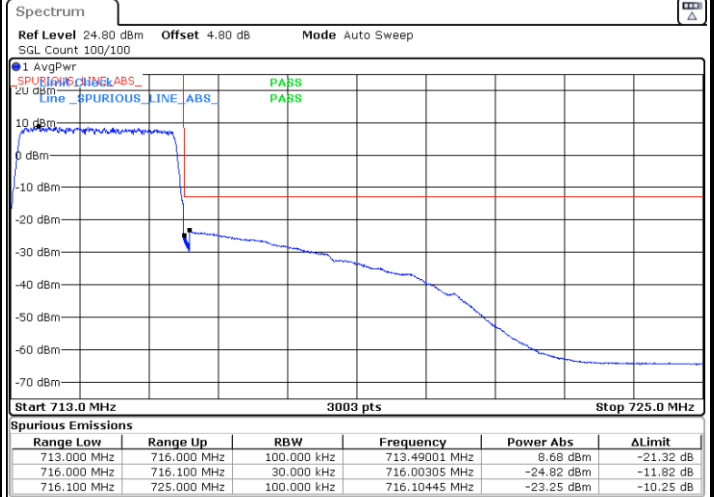
Date: 7.AUG.2022 12:20:15

Lowest Band Edge / Full RB



Date: 7.AUG.2022 12:08:26

Highest Band Edge / Full RB

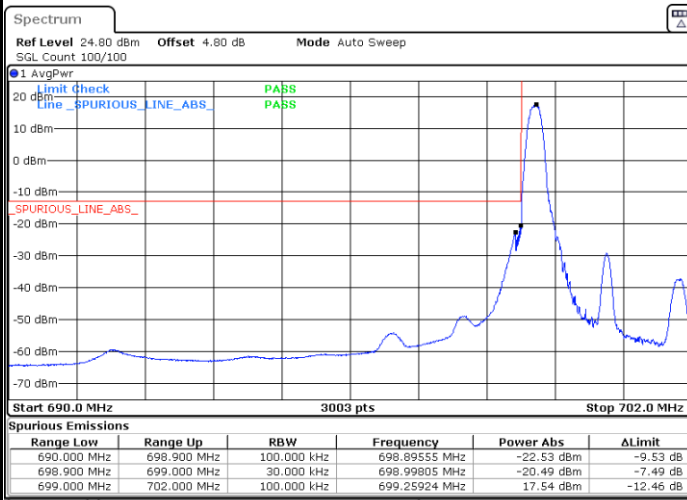


Date: 7.AUG.2022 12:21:56



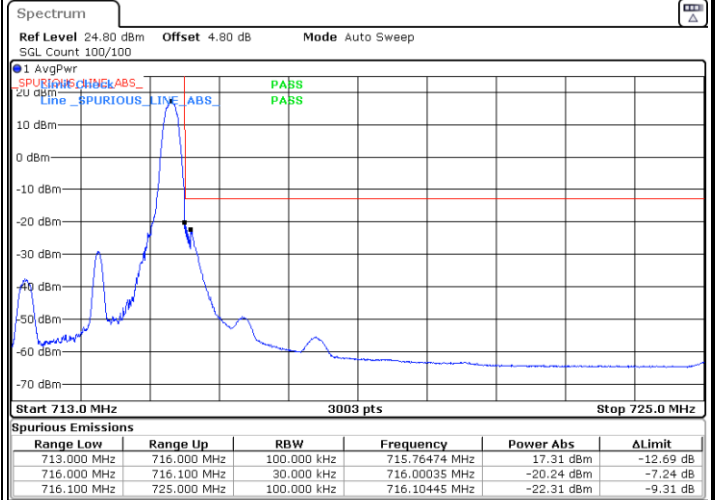
LTE Band 12 / 3MHz / 256QAM

Lowest Band Edge / 1 RB



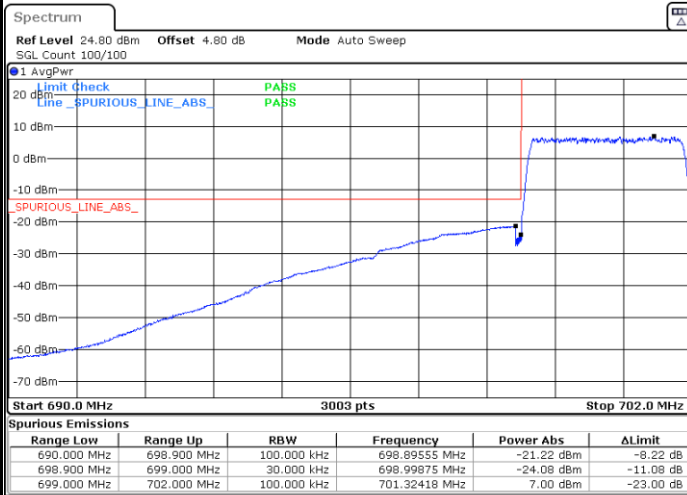
Date: 8.AUG.2022 09:41:38

Highest Band Edge / 1 RB



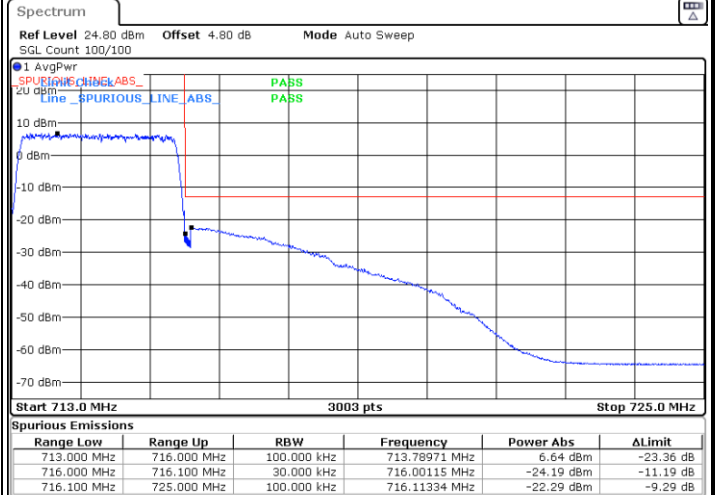
Date: 8.AUG.2022 09:45:09

Lowest Band Edge / Full RB



Date: 8.AUG.2022 09:42:39

Highest Band Edge / Full RB

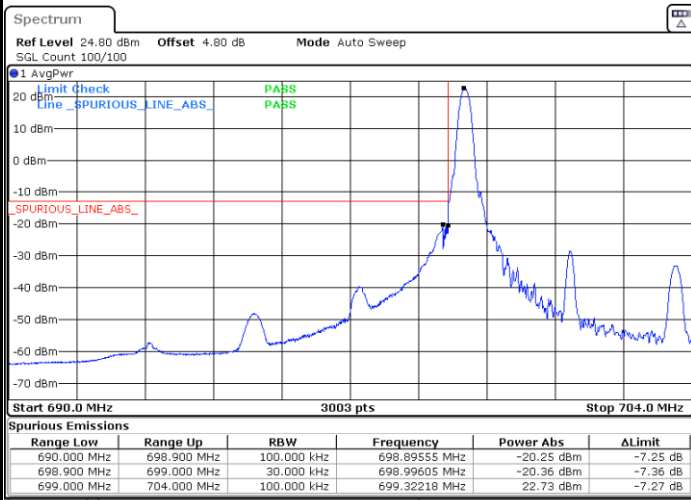


Date: 8.AUG.2022 09:44:14



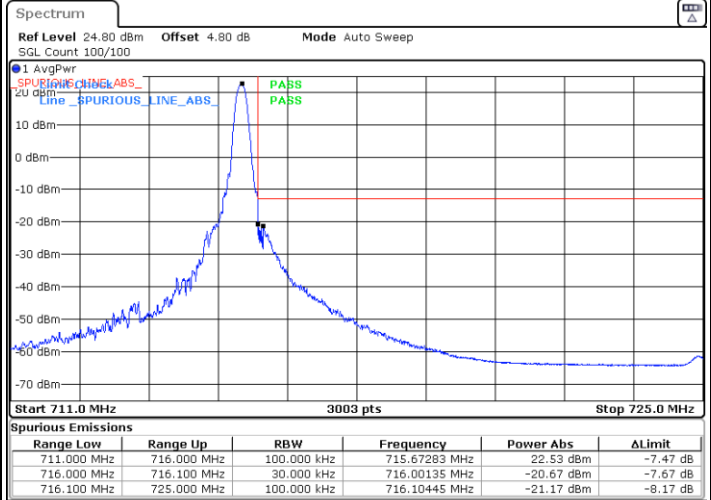
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



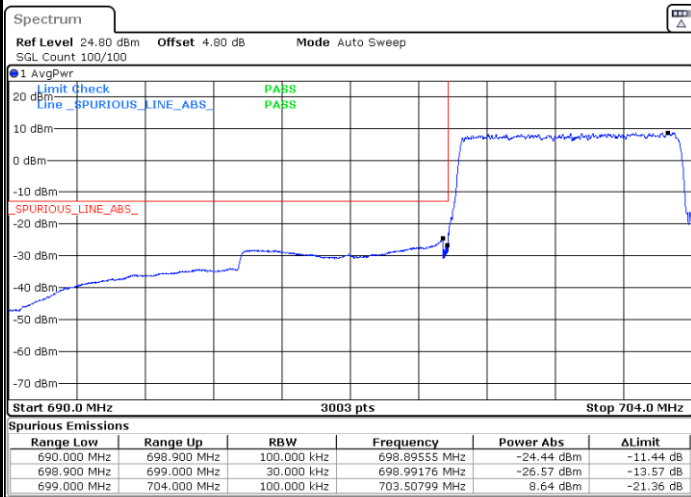
Date: 7.AUG.2022 12:28:41

Highest Band Edge / 1 RB



Date: 7.AUG.2022 12:42:09

Lowest Band Edge / Full RB



Date: 7.AUG.2022 12:37:04

Highest Band Edge / Full RB

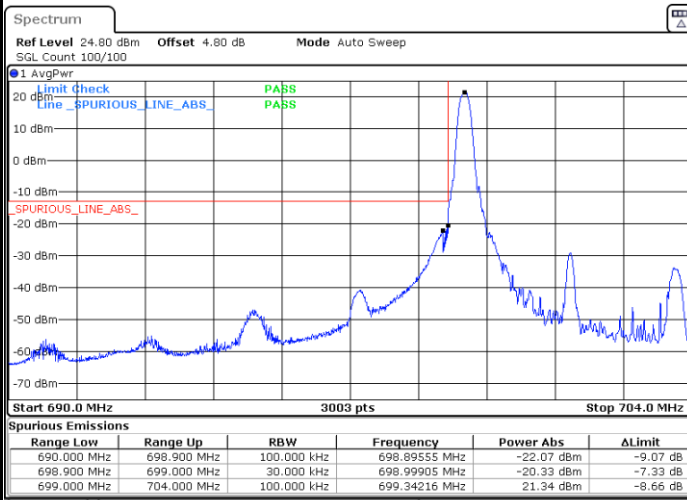


Date: 7.AUG.2022 12:50:32



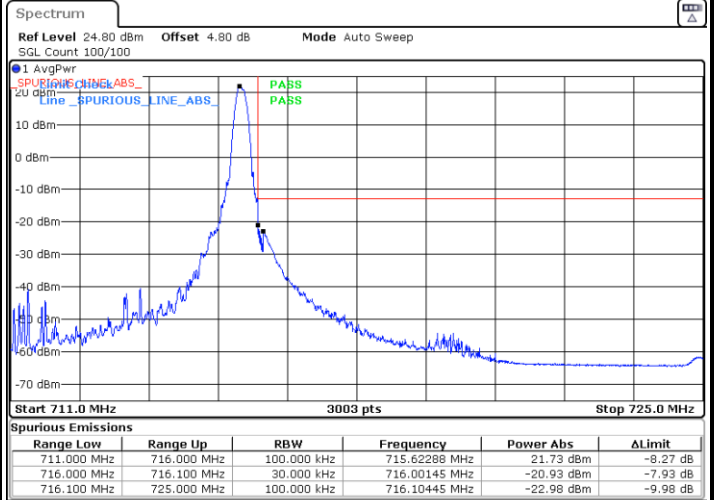
LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



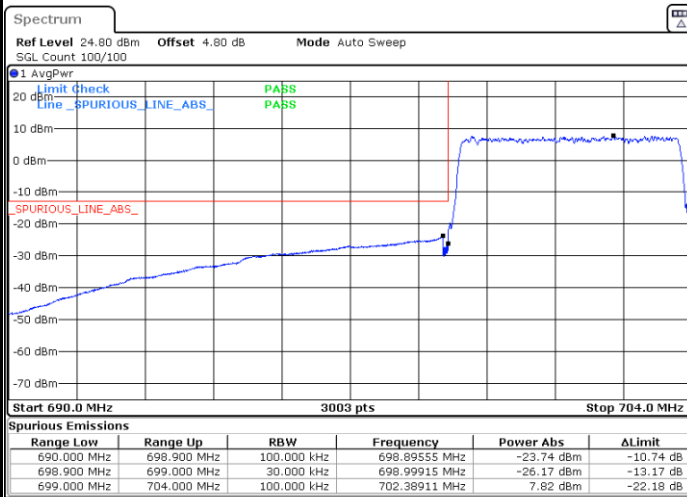
Date: 7.AUG.2022 12:30:21

Highest Band Edge / 1 RB



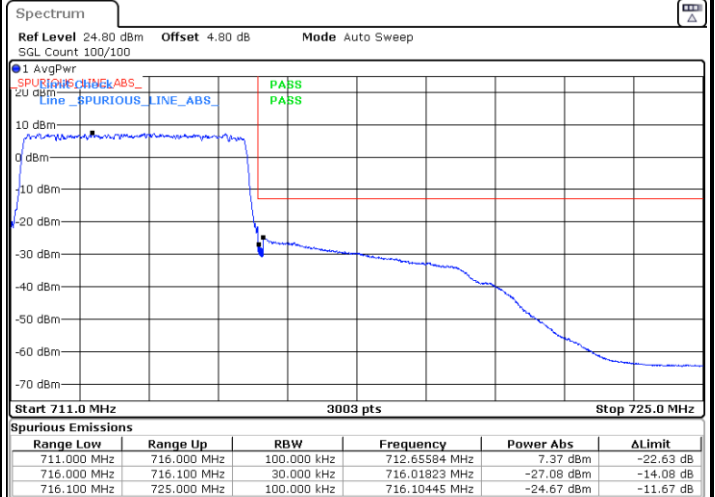
Date: 7.AUG.2022 12:43:50

Lowest Band Edge / Full RB



Date: 7.AUG.2022 12:35:23

Highest Band Edge / Full RB

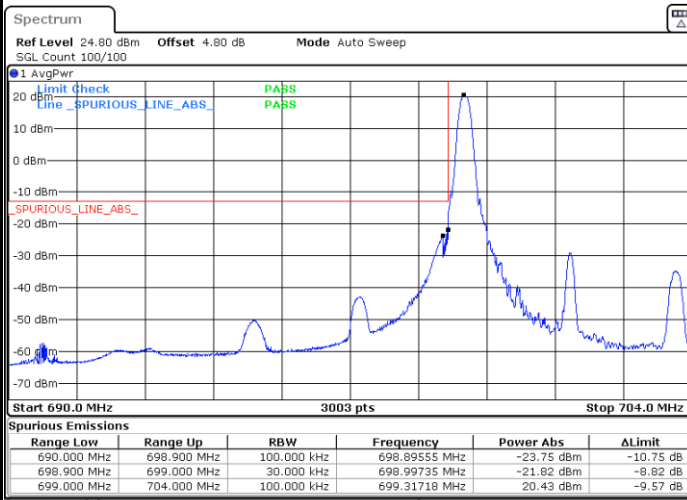


Date: 7.AUG.2022 12:48:51



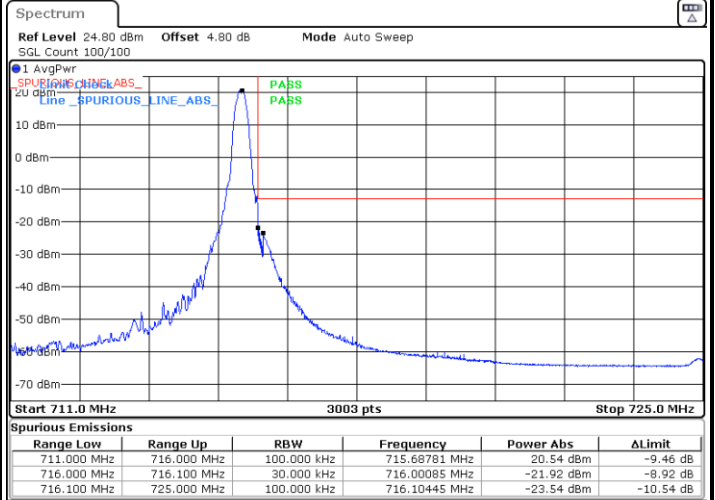
LTE Band 12 / 5MHz / 64QAM

Lowest Band Edge / 1RB



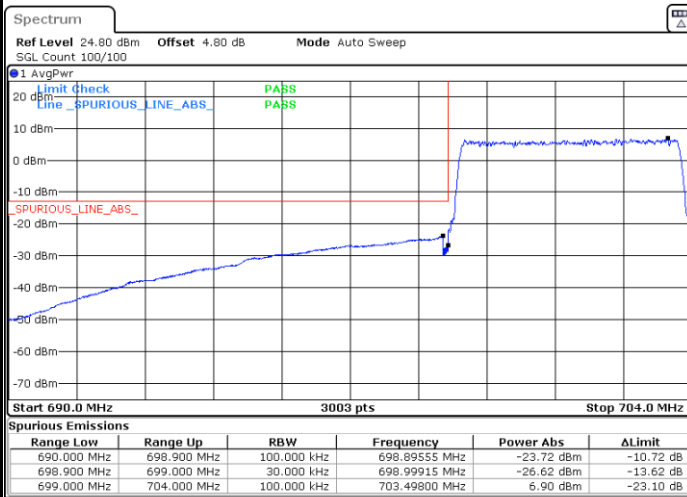
Date: 7.AUG.2022 12:32:02

Highest Band Edge / 1 RB



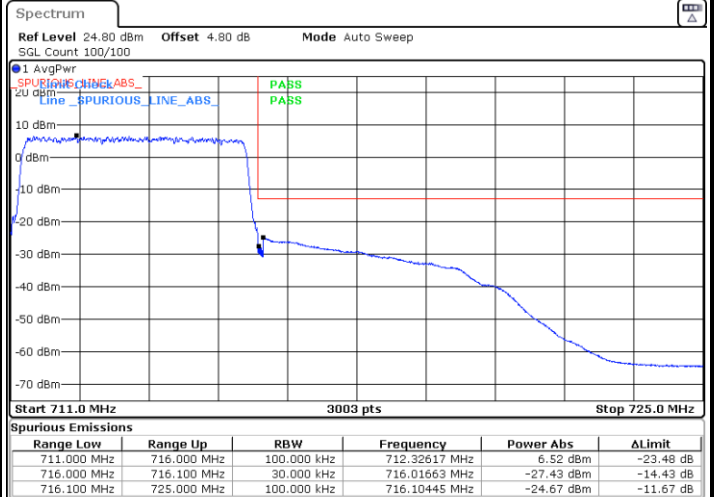
Date: 7.AUG.2022 12:45:30

Lowest Band Edge / Full RB



Date: 7.AUG.2022 12:33:43

Highest Band Edge / Full RB

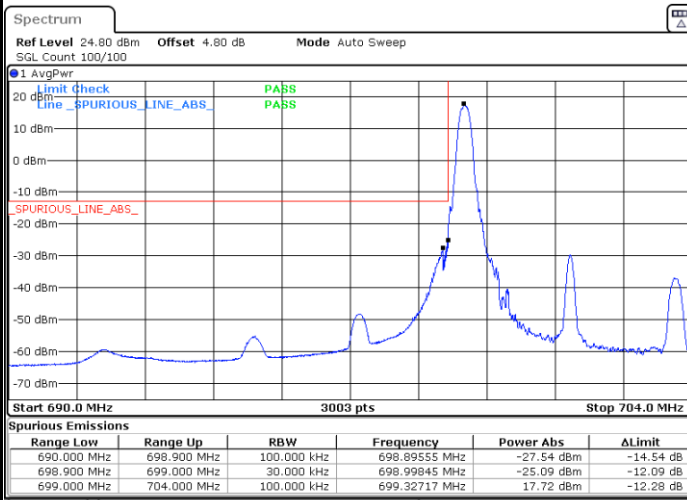


Date: 7.AUG.2022 12:47:11



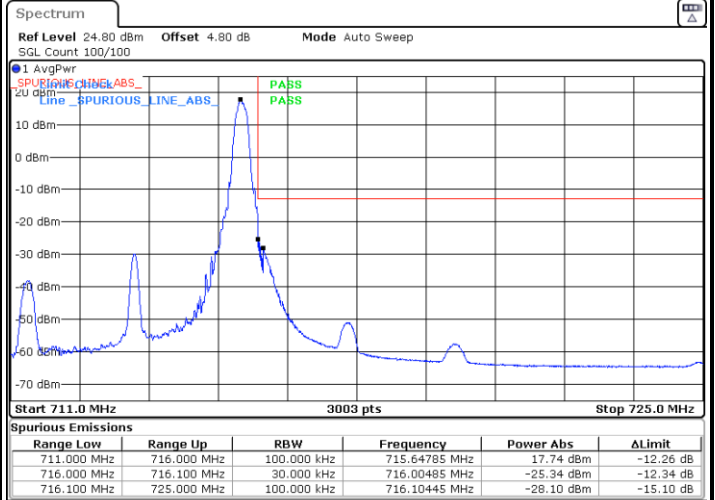
LTE Band 12 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



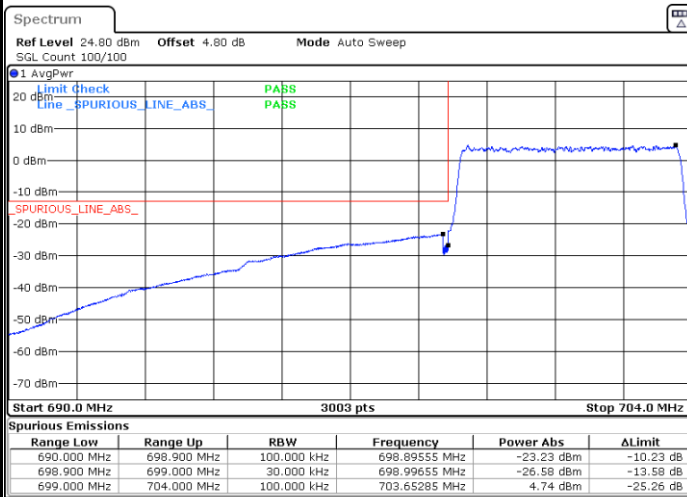
Date: 8.AUG.2022 09:46:42

Highest Band Edge / 1 RB



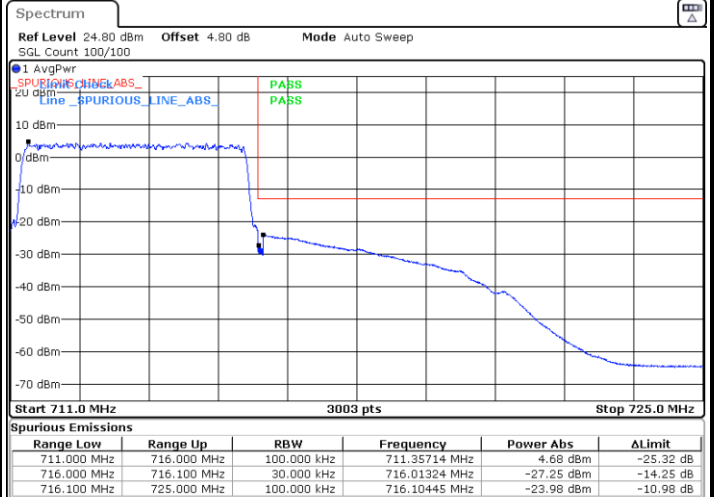
Date: 8.AUG.2022 09:54:06

Lowest Band Edge / Full RB



Date: 8.AUG.2022 09:47:44

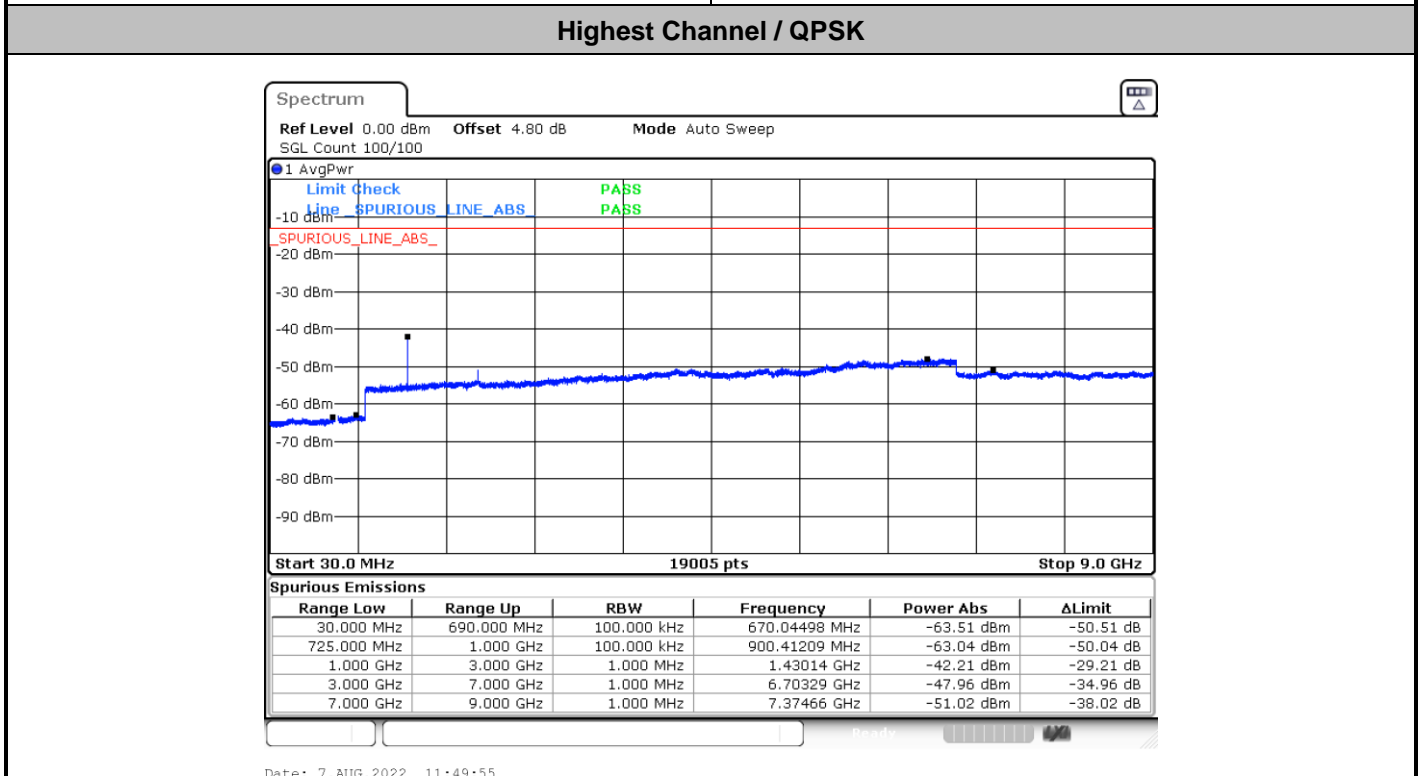
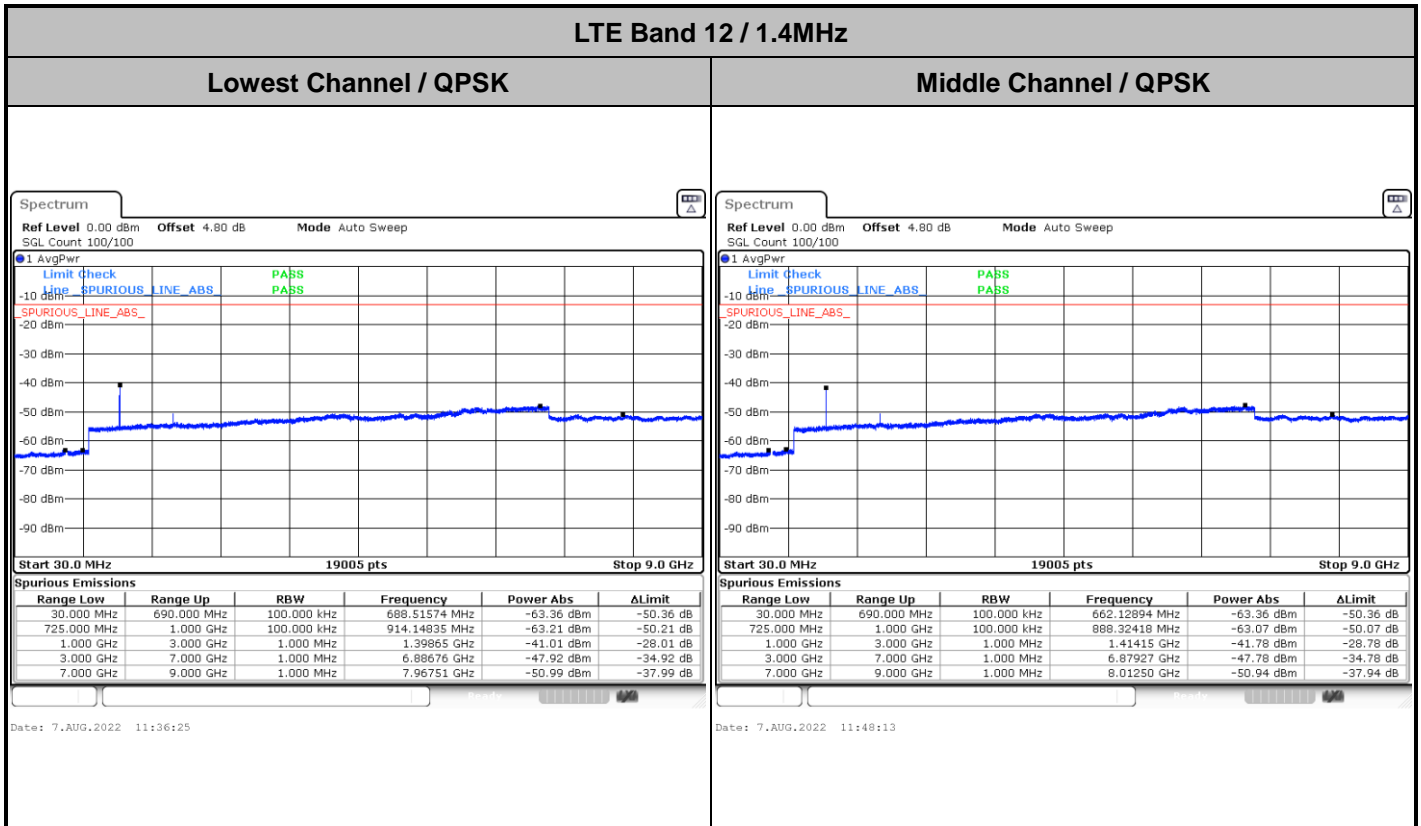
Highest Band Edge / Full RB



Date: 8.AUG.2022 09:53:14



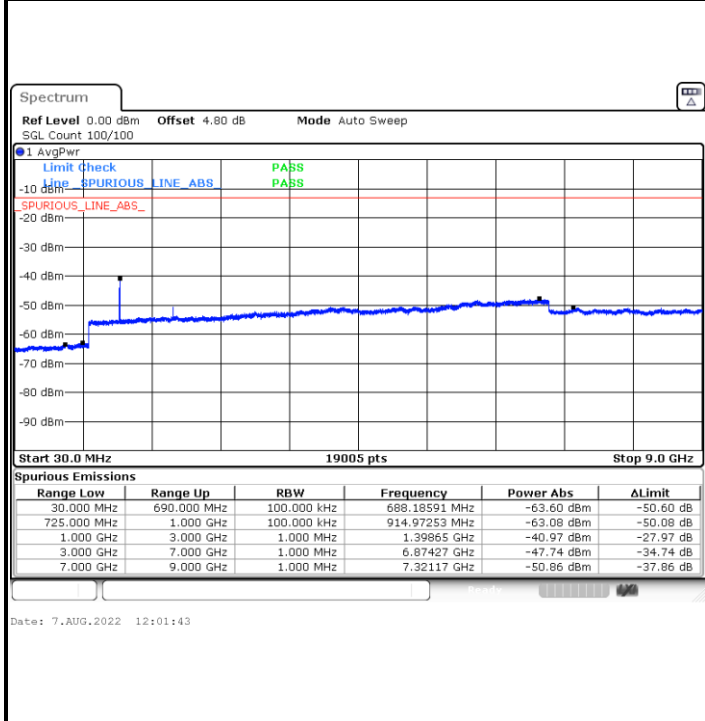
Conducted Spurious Emission



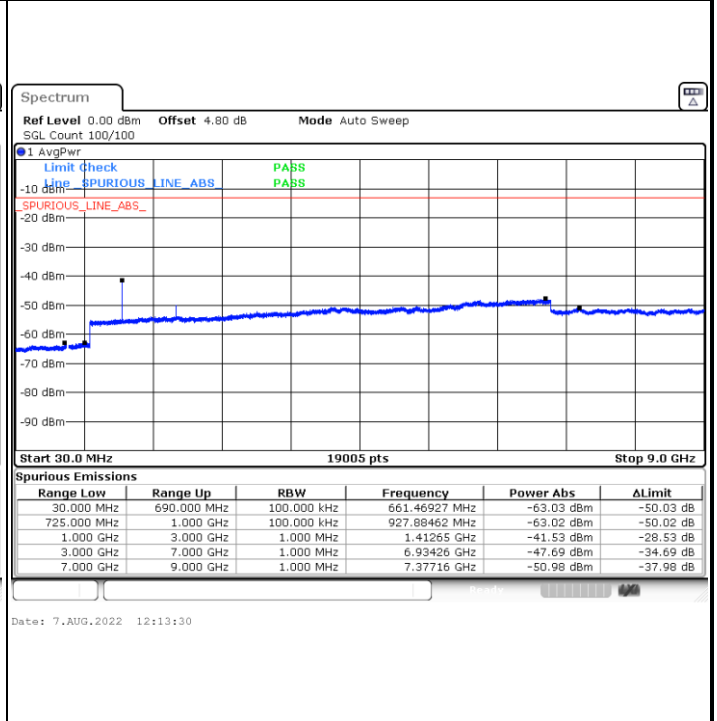


LTE Band 12 / 3MHz

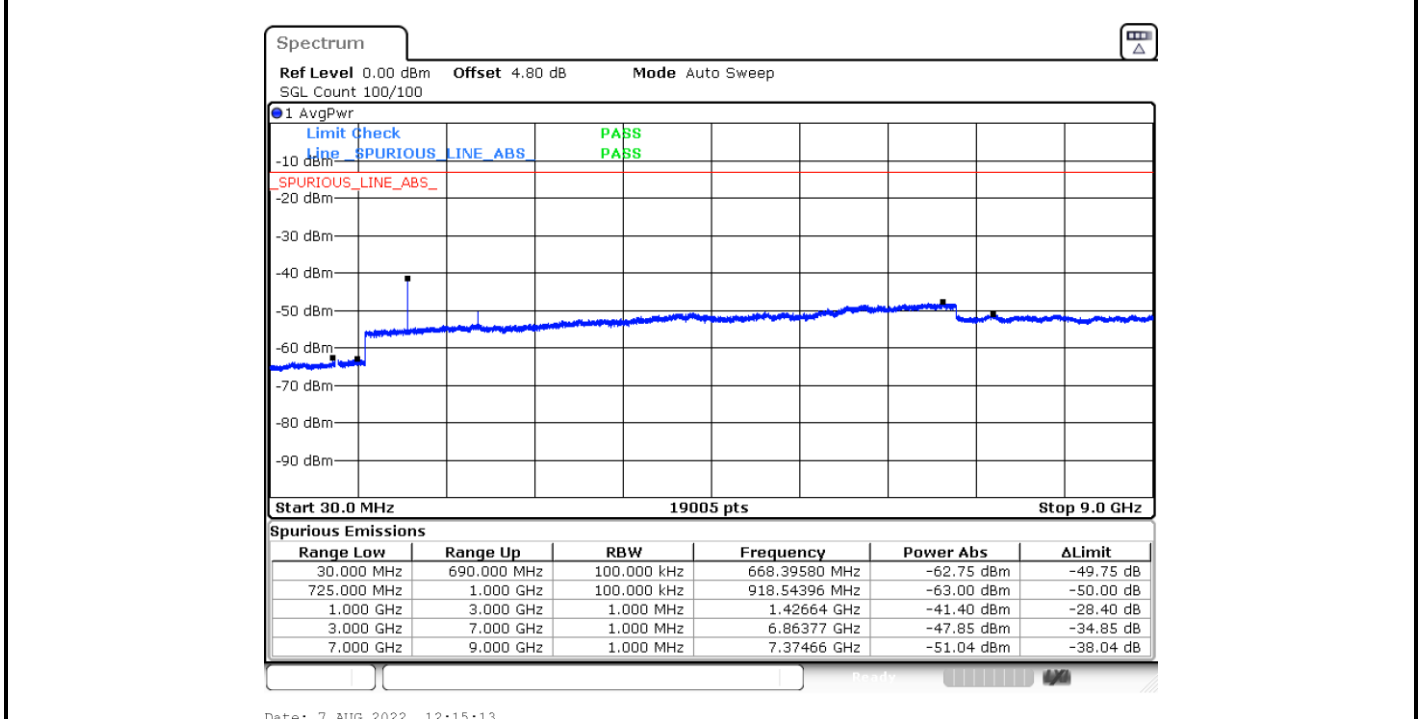
Lowest Channel / QPSK



Middle Channel / QPSK



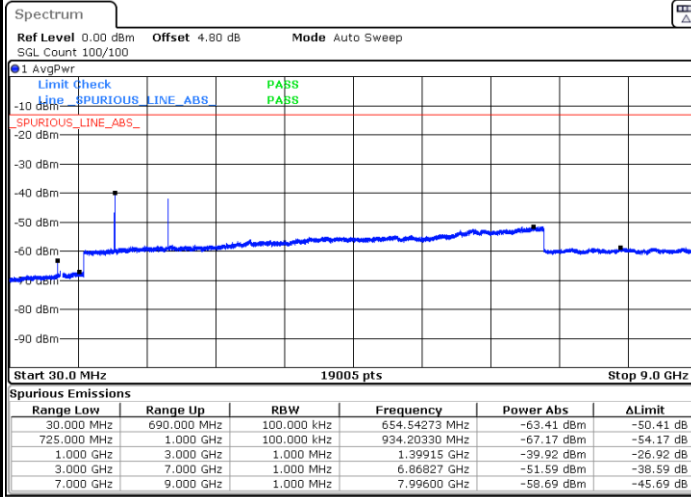
Highest Channel / QPSK





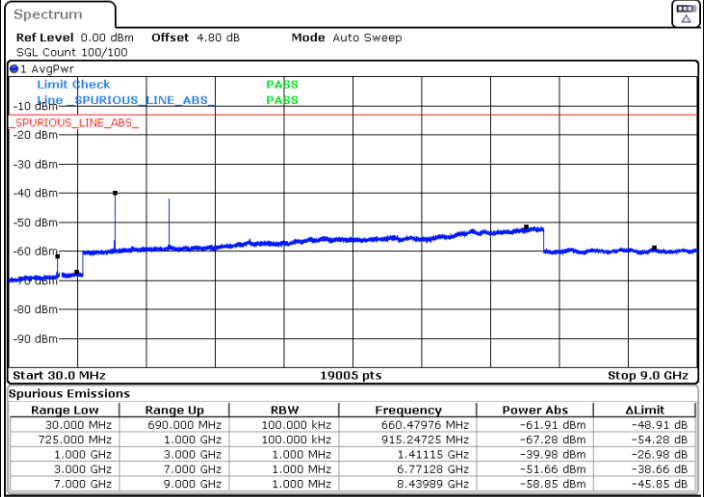
LTE Band 12 / 5MHz

Lowest Channel / QPSK



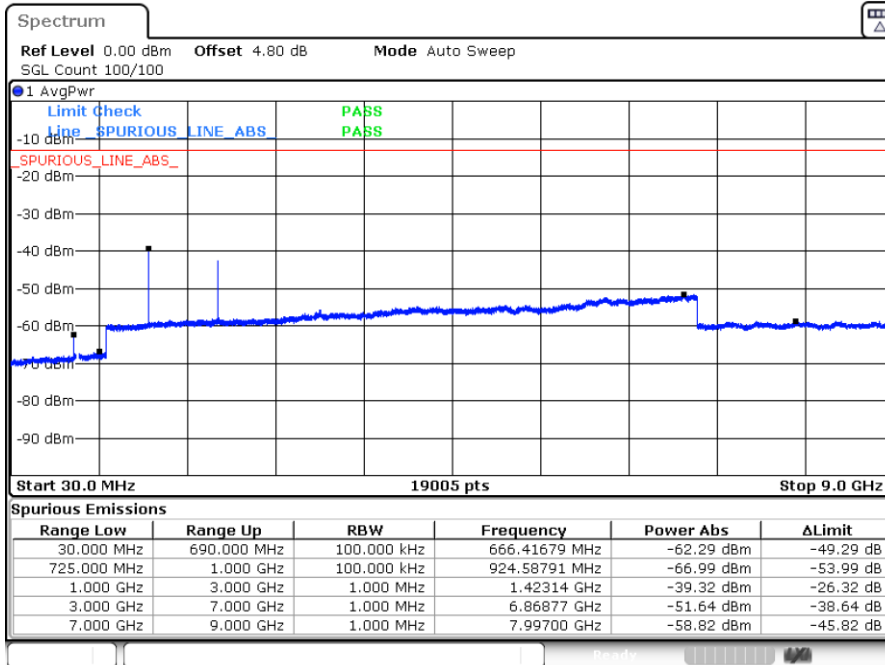
Date: 7.AUG.2022 12:27:00

Middle Channel / QPSK



Date: 7.AUG.2022 12:38:46

Highest Channel / QPSK

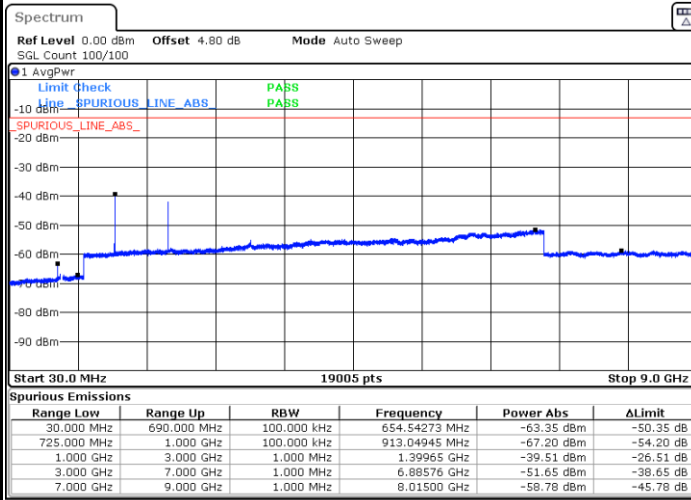


Date: 7.AUG.2022 12:40:29



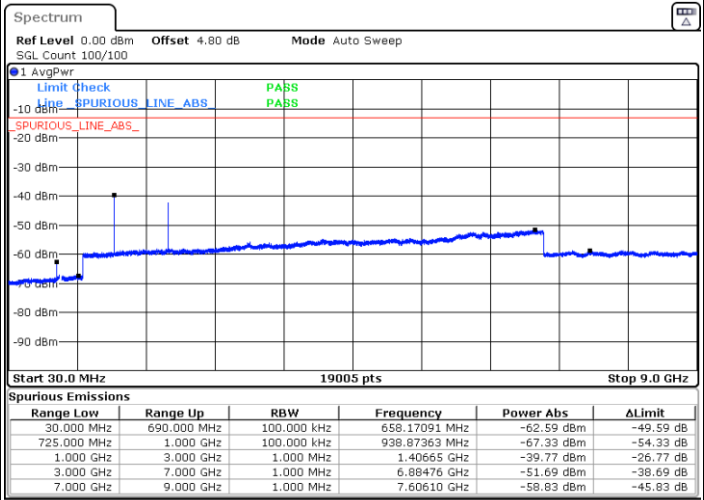
LTE Band 12 / 10MHz

Lowest Channel / QPSK



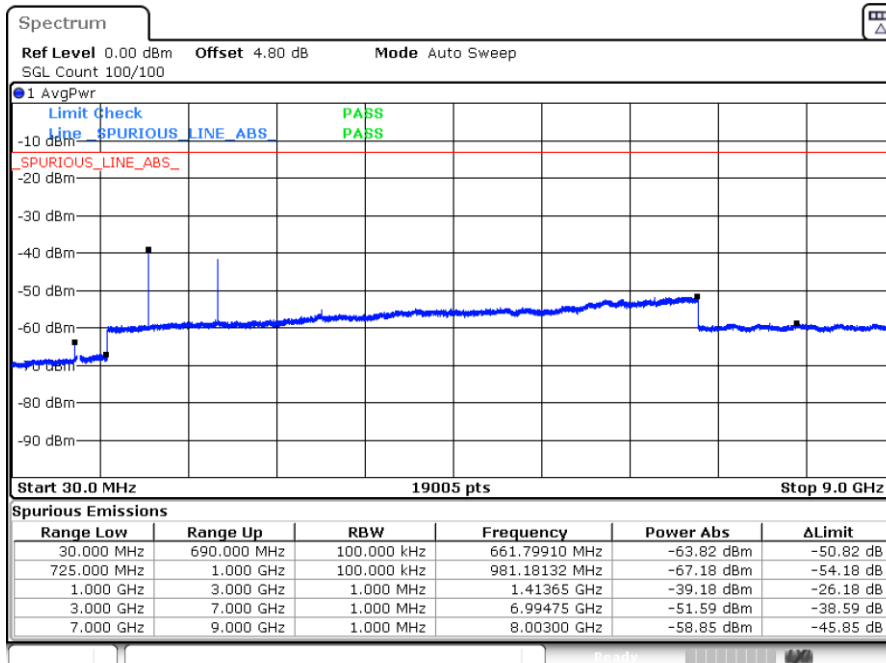
Date: 7.AUG.2022 12:52:15

Middle Channel / QPSK



Date: 7.AUG.2022 13:00:02

Highest Channel / QPSK



Date: 7.AUG.2022 13:01:46



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	0.0026	PASS
40	Normal Voltage	0.0028	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

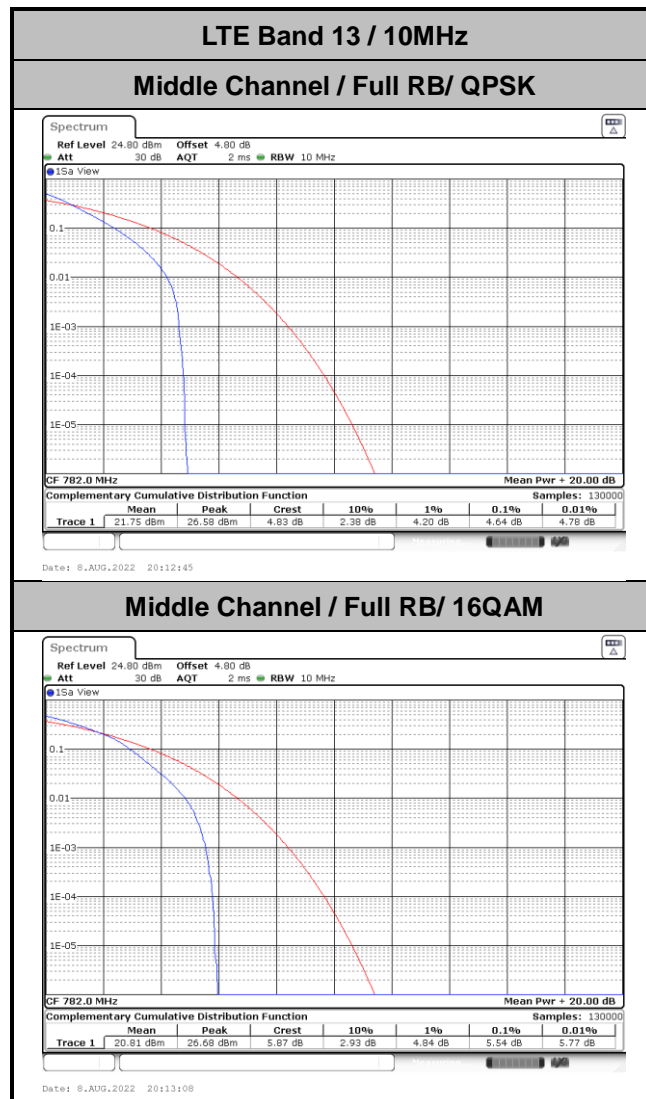
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.52 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

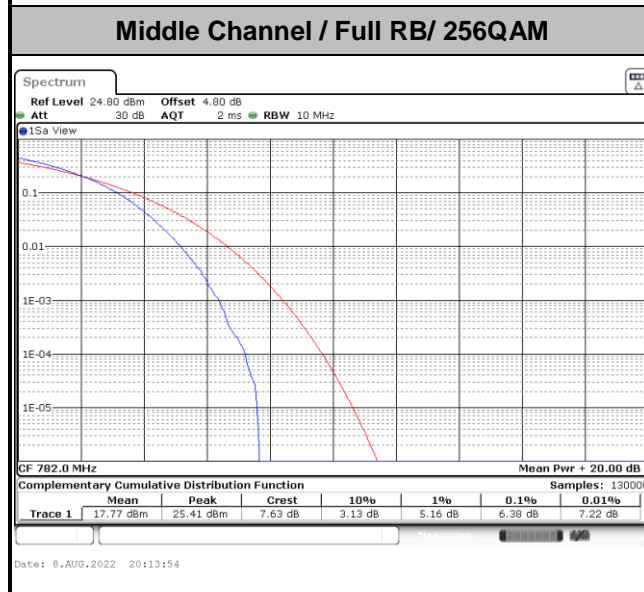
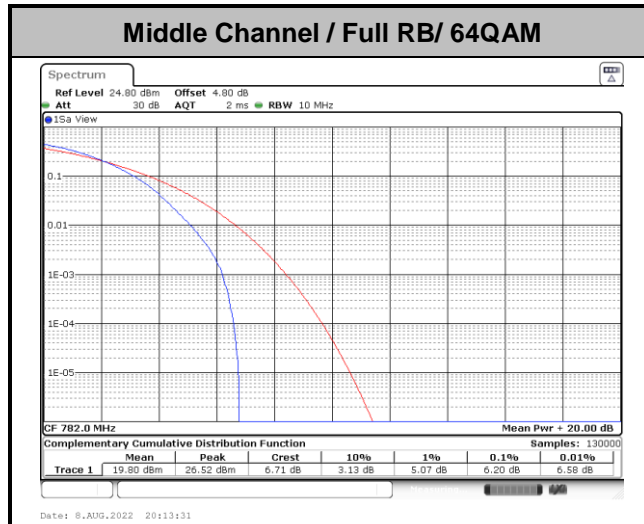


LTE Band 13

Peak-to-Average Ratio

Mode	LTE Band 13 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	FULL RB	Result
Middle CH	4.64	5.54	6.20	6.38	PASS

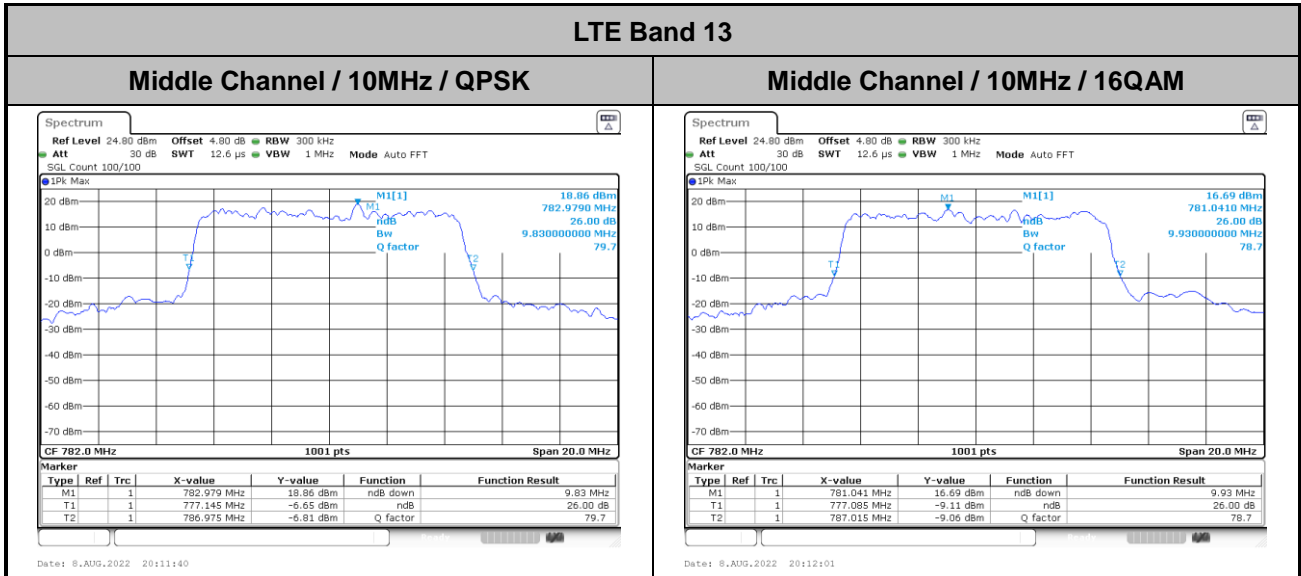






26dB Bandwidth

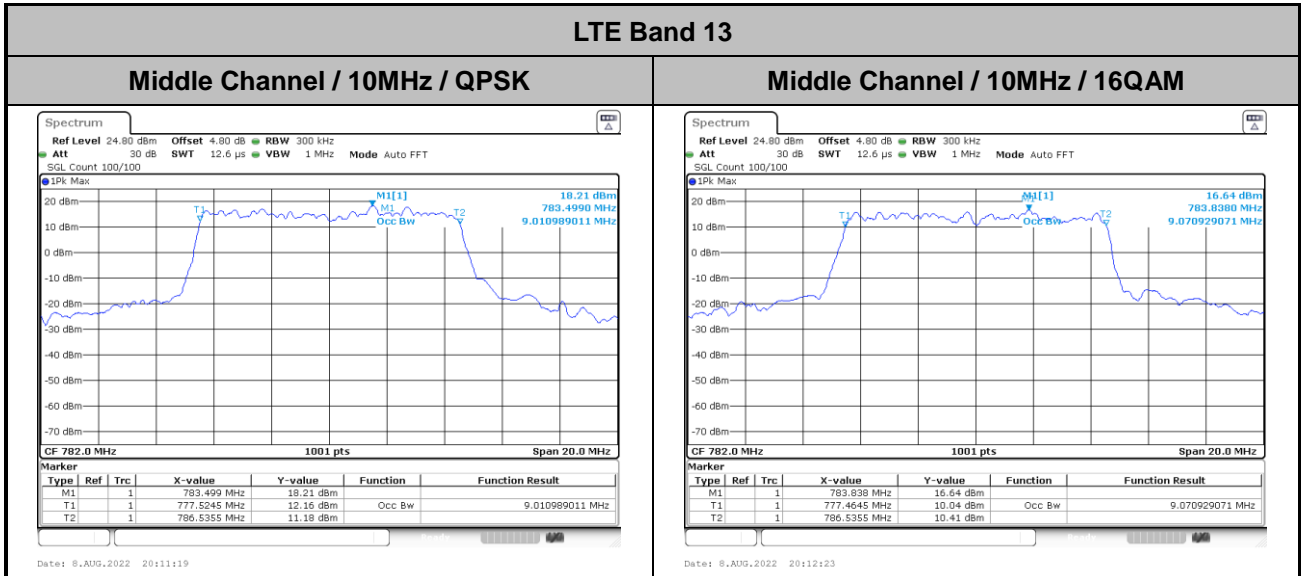
Mode	LTE Band13 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.83	9.93





Occupied Bandwidth

Mode	LTE Band 13 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.01	9.07

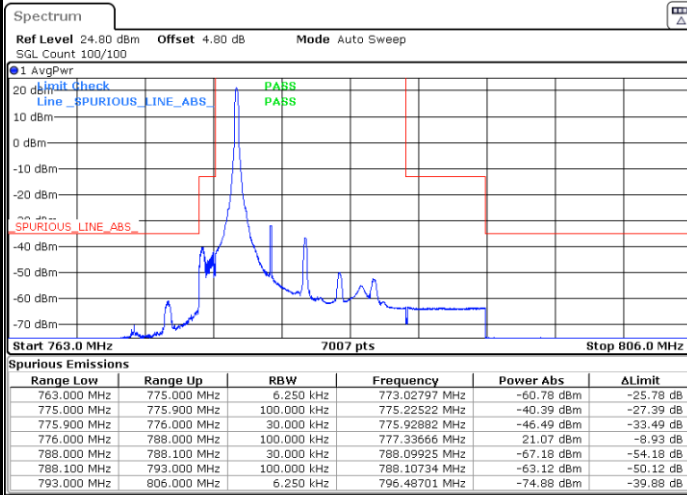




Conducted Band Edge

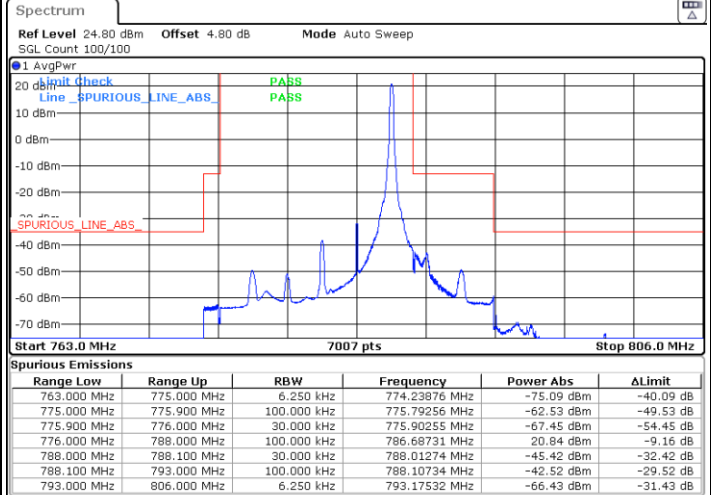
LTE Band 13 / 5MHz / QPSK

Lowest Band Edge / 1 RB



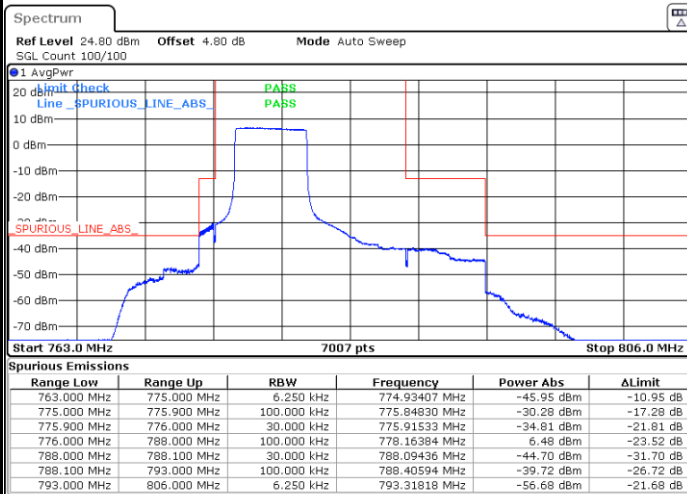
Date: 8.AUG.2022 19:15:56

Highest Band Edge / 1 RB



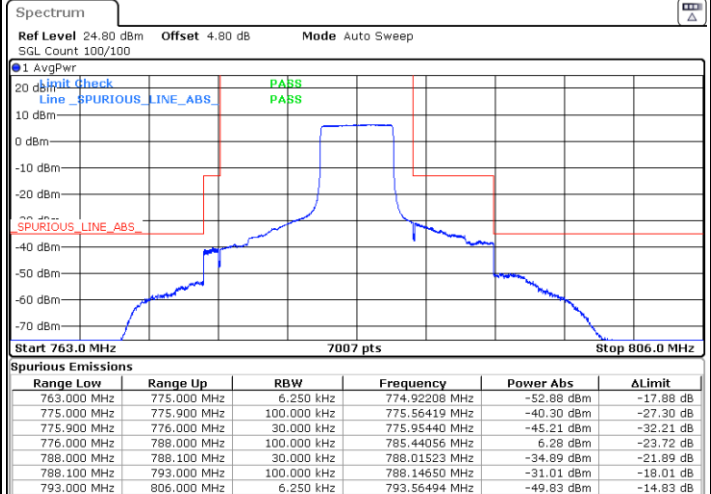
Date: 8.AUG.2022 19:34:14

Lowest Band Edge / Full RB



Date: 8.AUG.2022 19:28:59

Highest Band Edge / Full RB



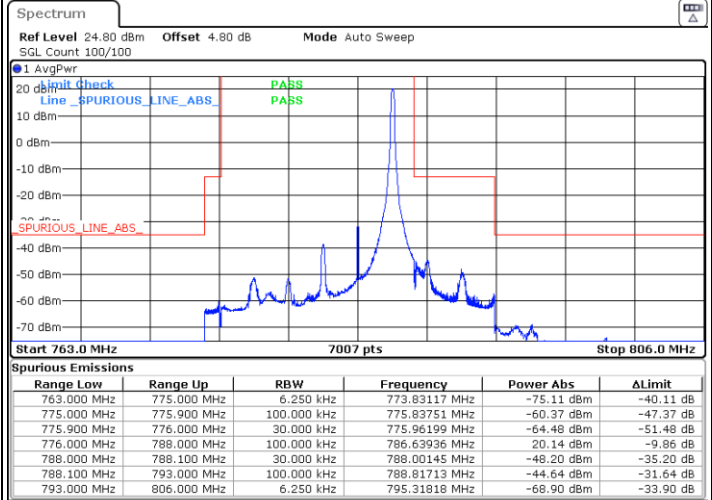
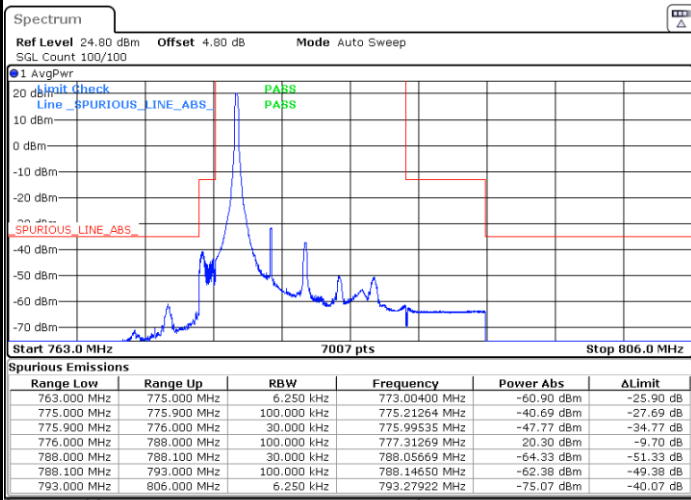
Date: 8.AUG.2022 19:47:15



LTE Band 13 / 5MHz / 16QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

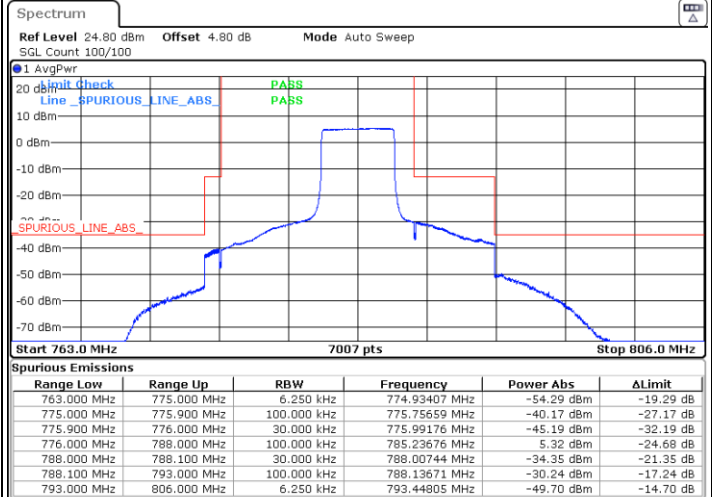
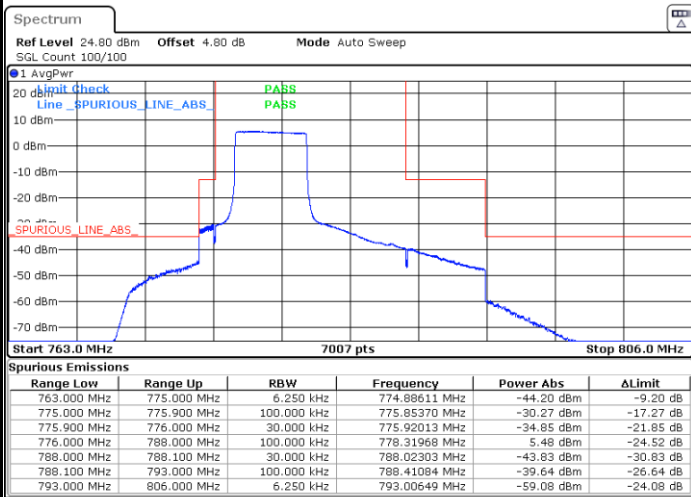


Date: 8.AUG.2022 19:17:47

Date: 8.AUG.2022 19:36:05

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.AUG.2022 19:27:08

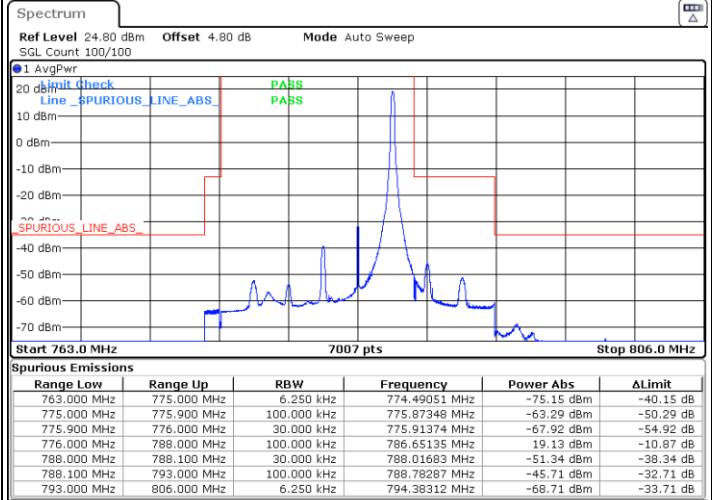
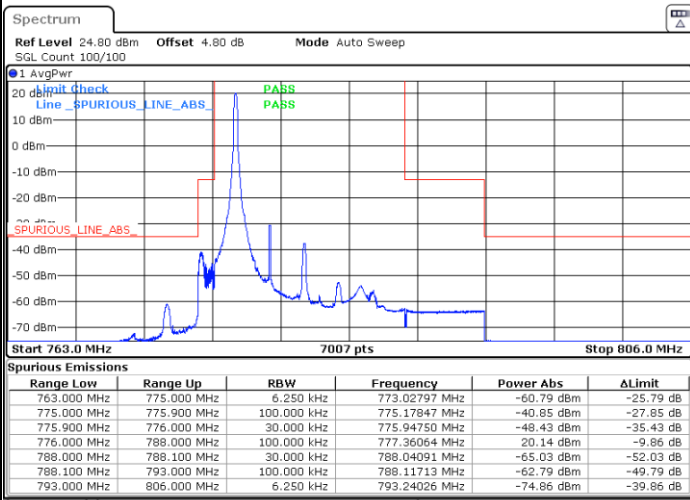
Date: 8.AUG.2022 19:45:23



LTE Band 13 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

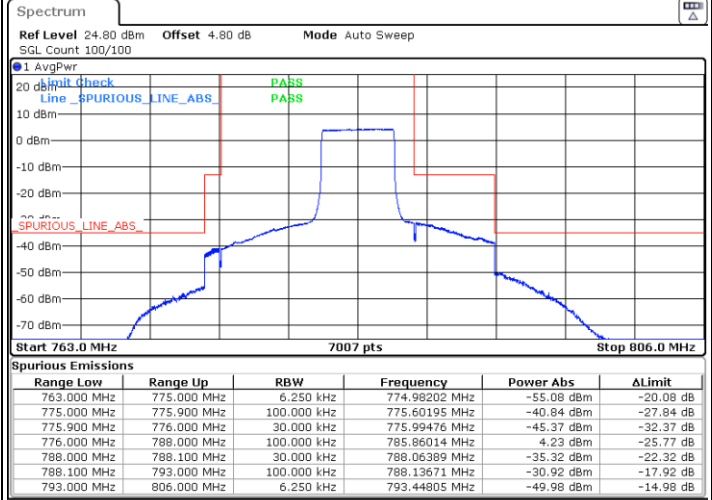
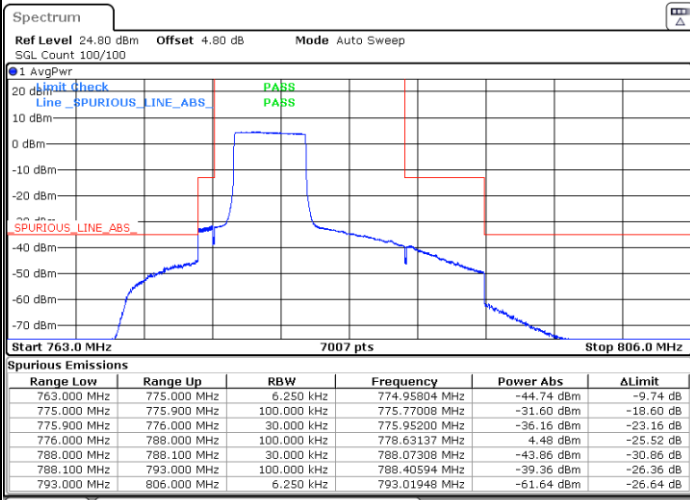


Date: 8.AUG.2022 19:19:38

Date: 8.AUG.2022 19:37:55

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.AUG.2022 19:25:18

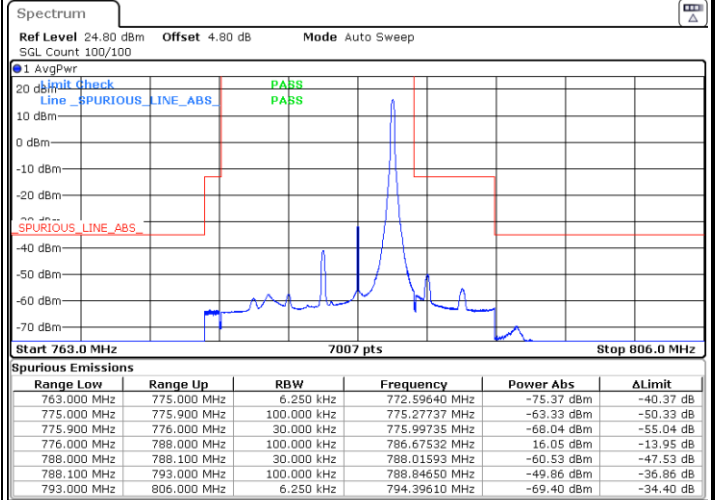
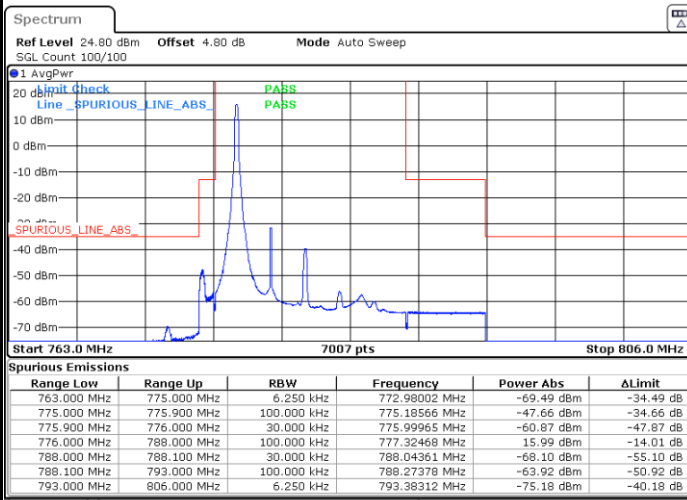
Date: 8.AUG.2022 19:43:33



LTE Band 13 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

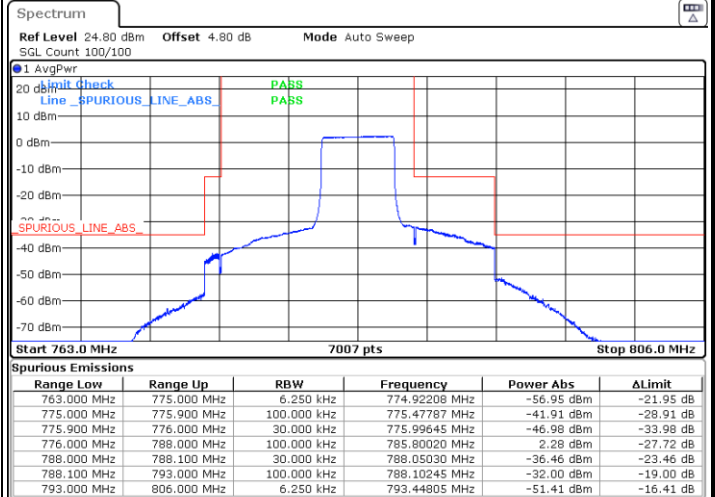
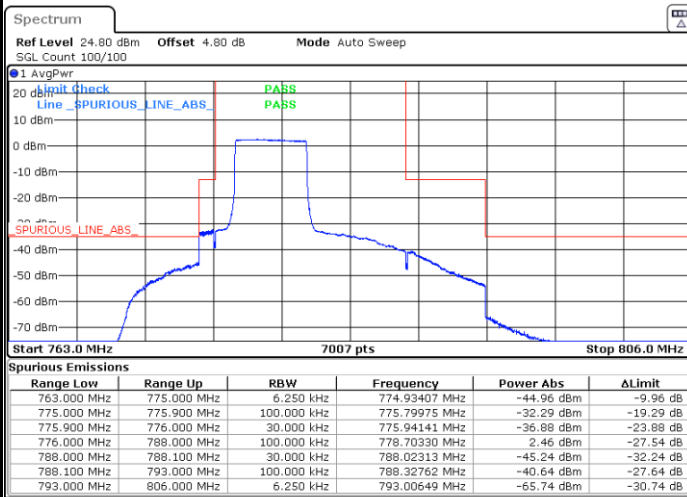


Date: 8.AUG.2022 19:21:30

Date: 8.AUG.2022 19:39:45

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 8.AUG.2022 19:23:23

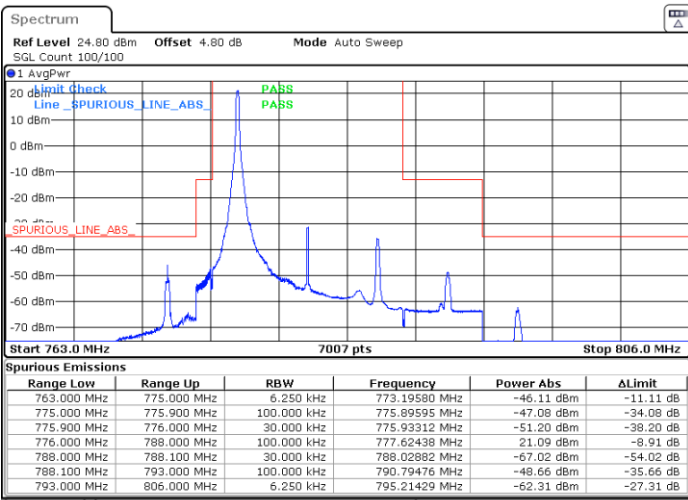
Date: 8.AUG.2022 19:41:39



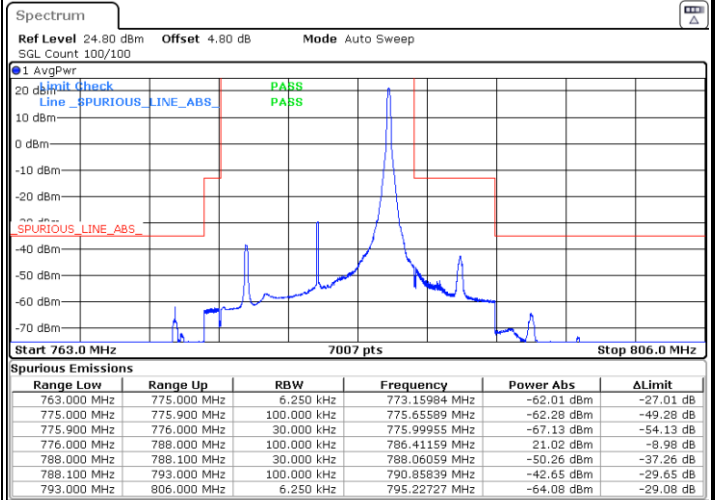
LTE Band 13 / 10MHz / QPSK

Middle Band Edge / 1 RB0

Middle Band Edge / 1 RBMAX

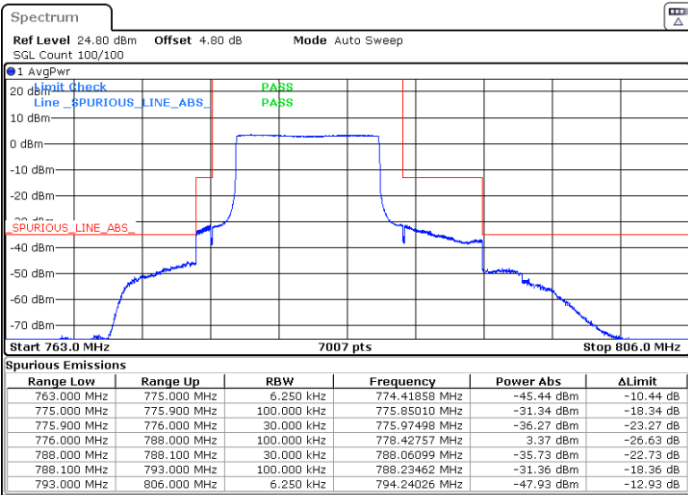


Date: 8.AUG.2022 19:50:48



Date: 8.AUG.2022 20:05:27

Middle Band Edge / Full RB



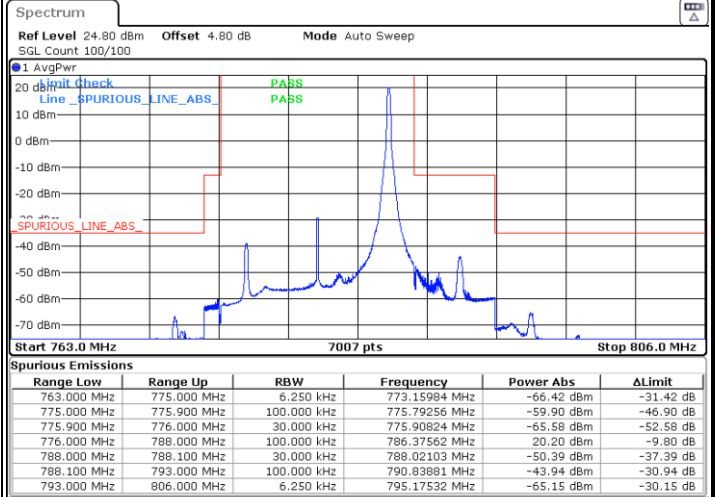
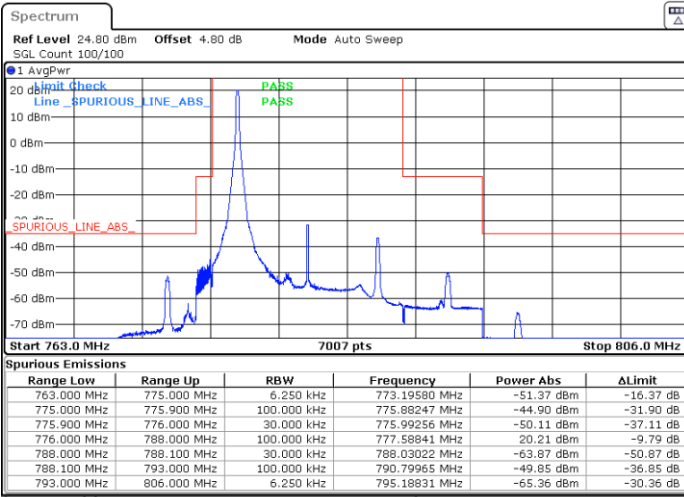
Date: 8.AUG.2022 20:03:37



LTE Band 13 / 10MHz / 16QAM

Middle Band Edge / 1 RB0

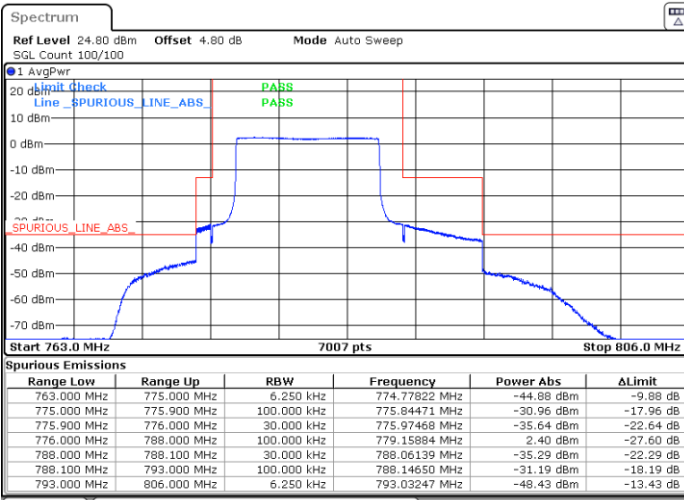
Middle Band Edge / 1 RBMAX



Date: 8.AUG.2022 19:52:39

Date: 8.AUG.2022 20:07:18

Middle Band Edge / Full RB



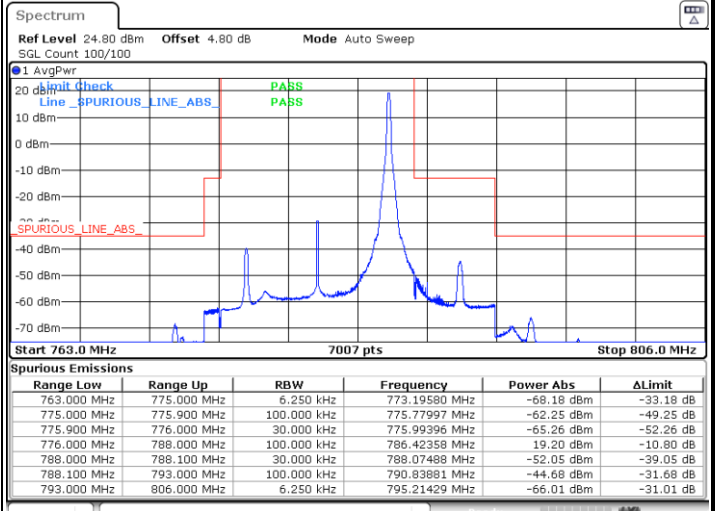
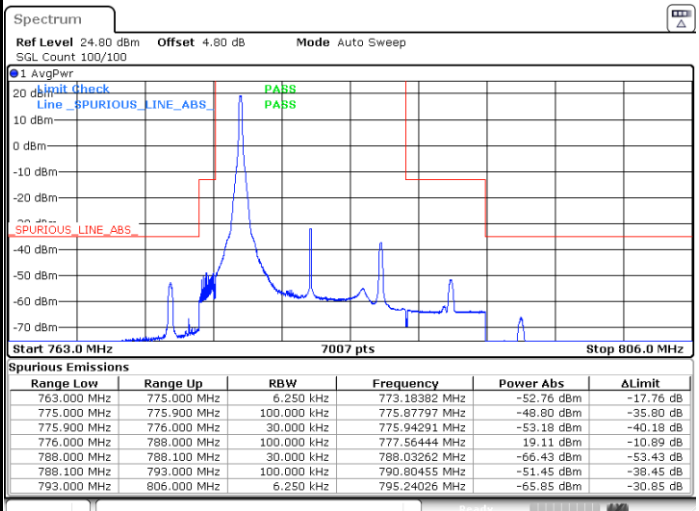
Date: 8.AUG.2022 20:01:47



LTE Band 13 / 10MHz / 64QAM

Middle Band Edge / 1 RB0

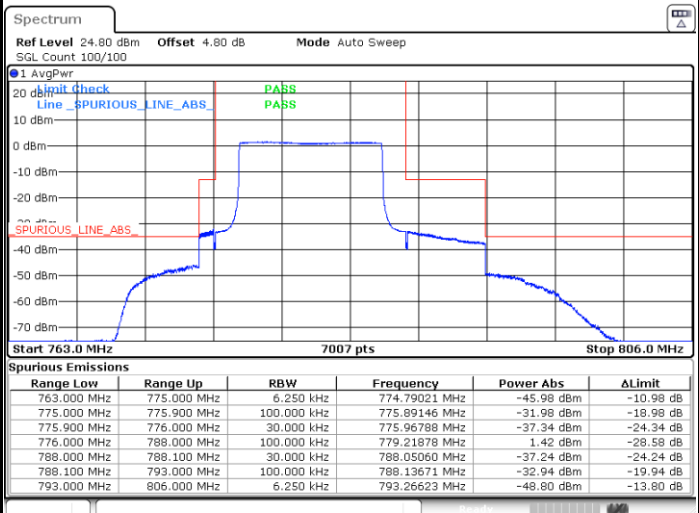
Middle Band Edge / 1 RBMAX



Date: 8.AUG.2022 19:54:28

Date: 8.AUG.2022 20:09:07

Middle Band Edge / Full RB



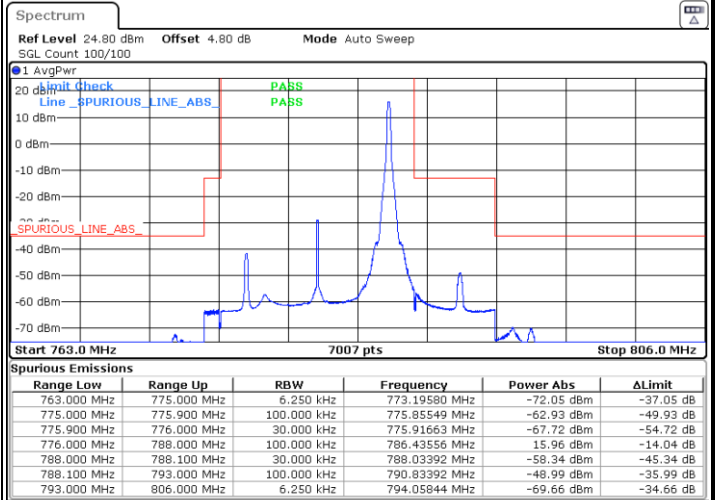
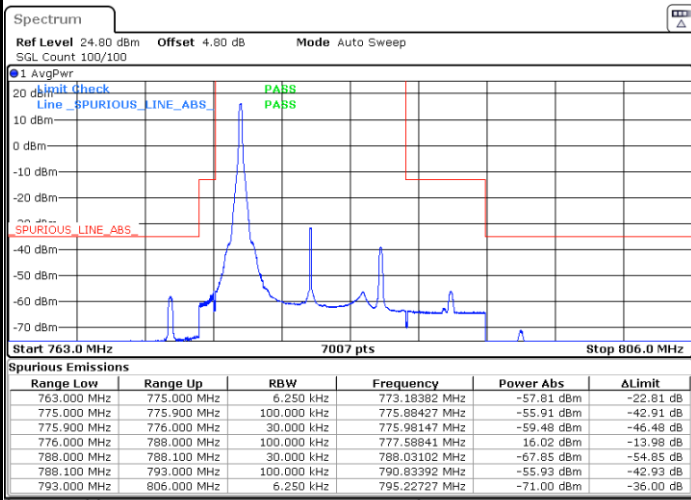
Date: 8.AUG.2022 19:59:57



LTE Band 13 / 10MHz / 256QAM

Middle Band Edge / 1 RB0

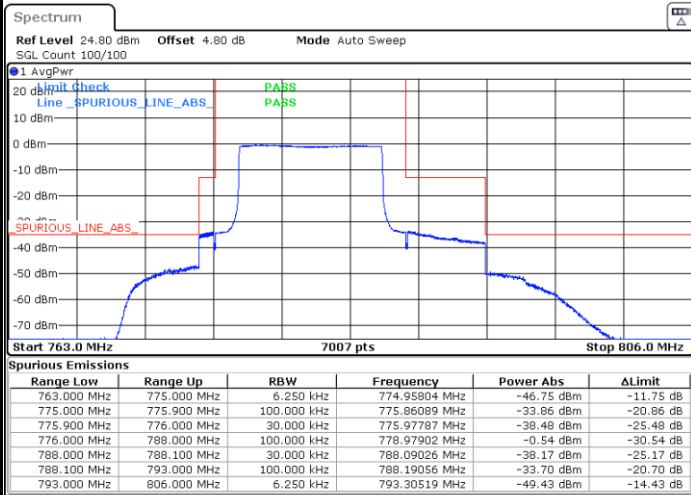
Middle Band Edge / 1 RBMAX



Date: 8.AUG.2022 19:56:18

Date: 8.AUG.2022 20:10:57

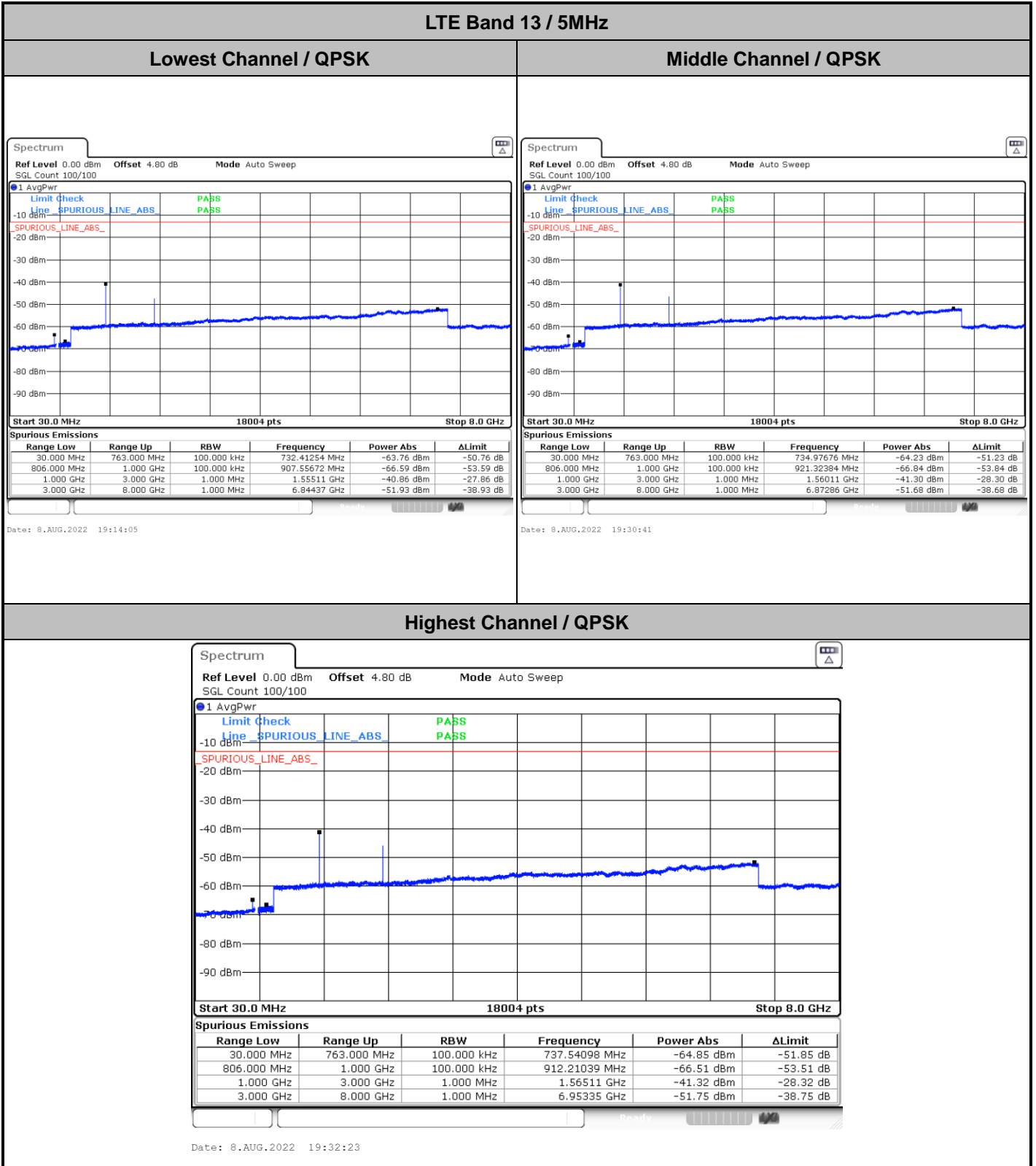
Middle Band Edge / Full RB



Date: 8.AUG.2022 19:58:08



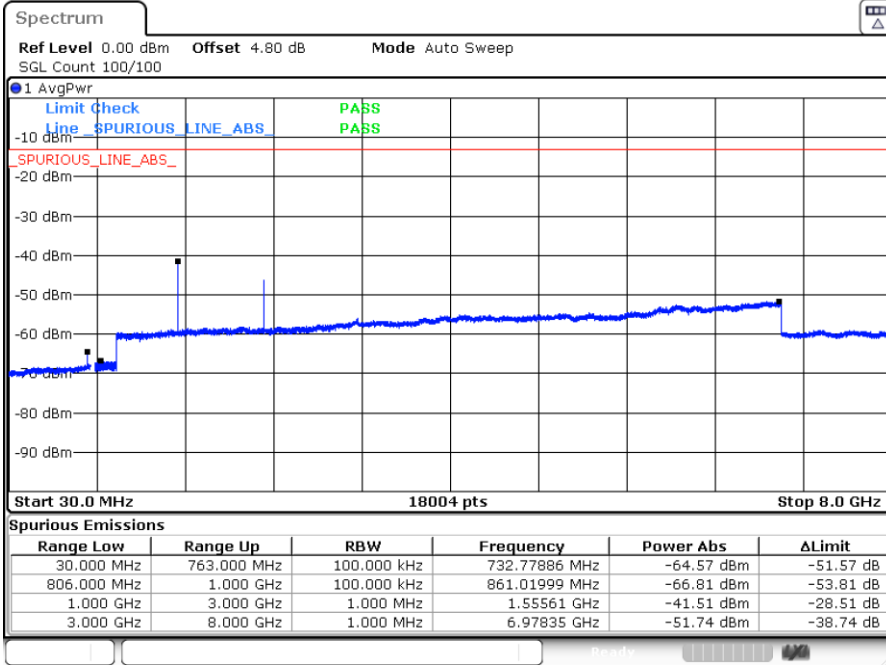
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 8.AUG.2022 19:48:57



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	0.0028	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0016	
0	Normal Voltage	0.0004	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0025	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0027	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0019	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.52 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

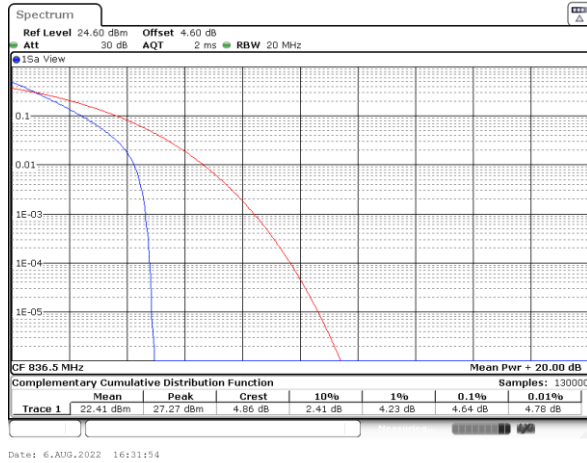


LTE Band 26

Peak-to-Average Ratio

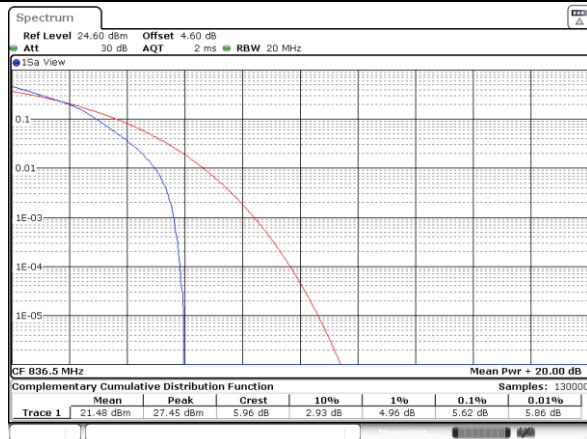
Mode	LTE Band 26 / 15MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.64	5.62	6.26	6.46	PASS

LTE Band 26 / 15MHz
Middle Channel / Full RB/ QPSK



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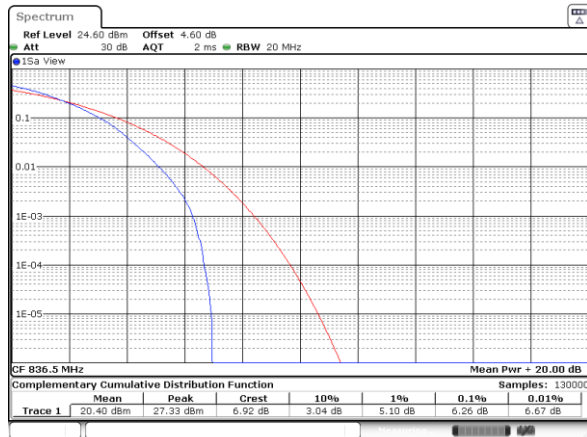
Middle Channel / Full RB/ 16QAM



Date: 6.AUG.2022 16:32:17

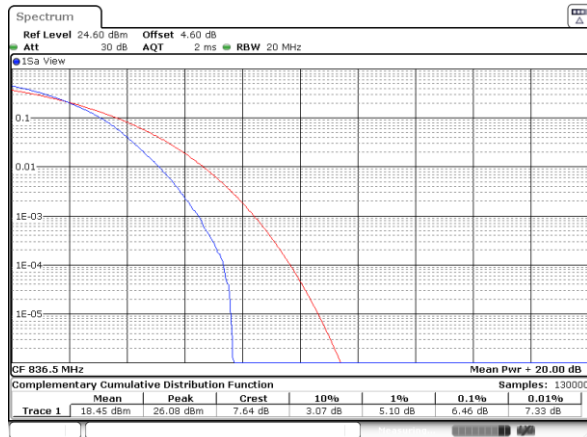


Middle Channel / Full RB/ 64QAM



Date: 6_AUG_2022 16:32:40

Middle Channel / Full RB/ 256QAM

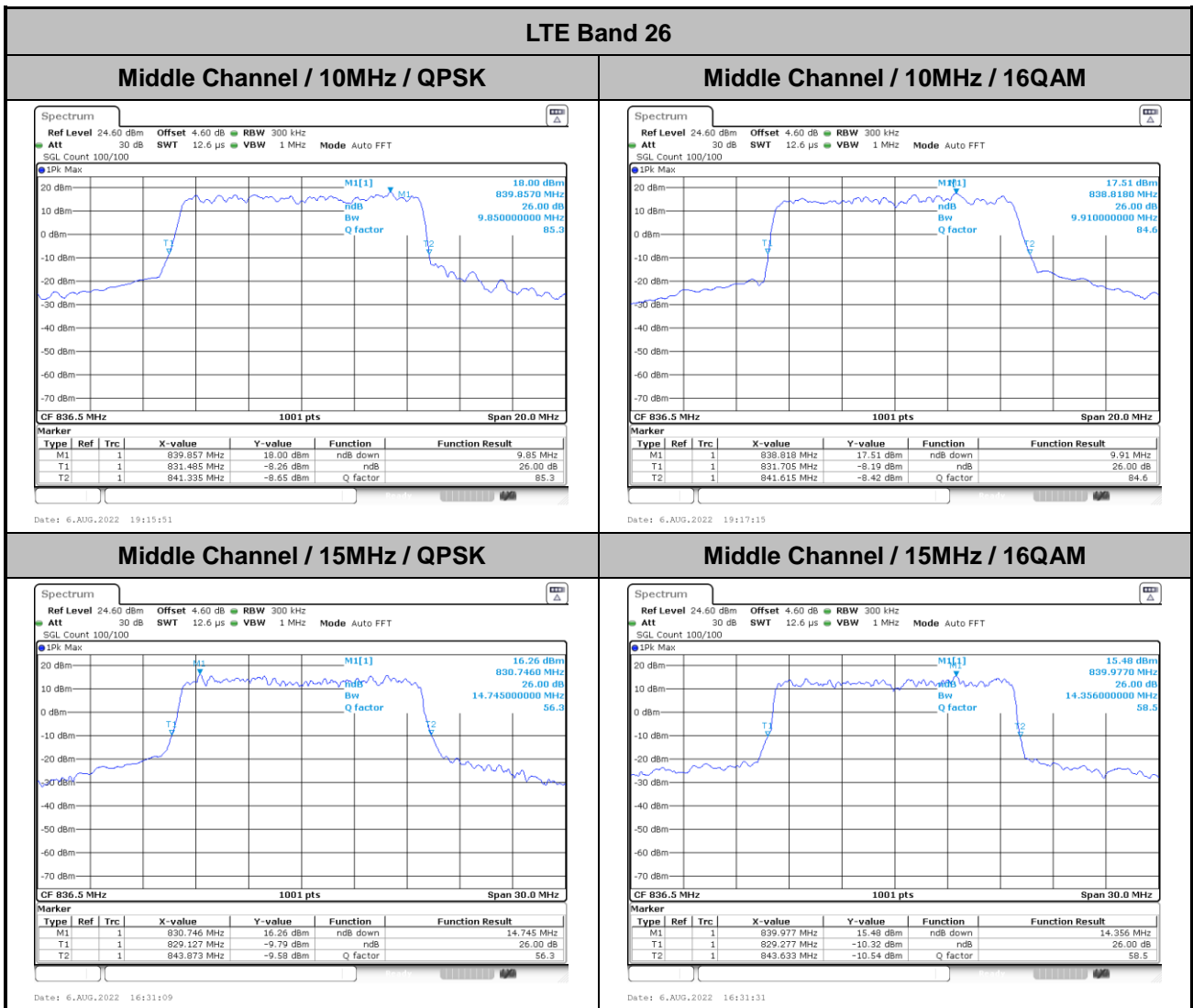


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26dB Bandwidth

BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.85	9.91
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.75	14.36





Occupied Bandwidth

BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.09	9.07
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.52	13.37

