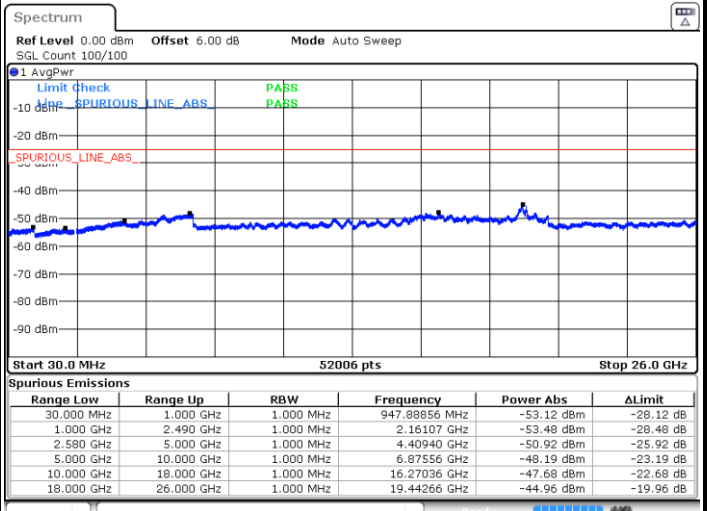
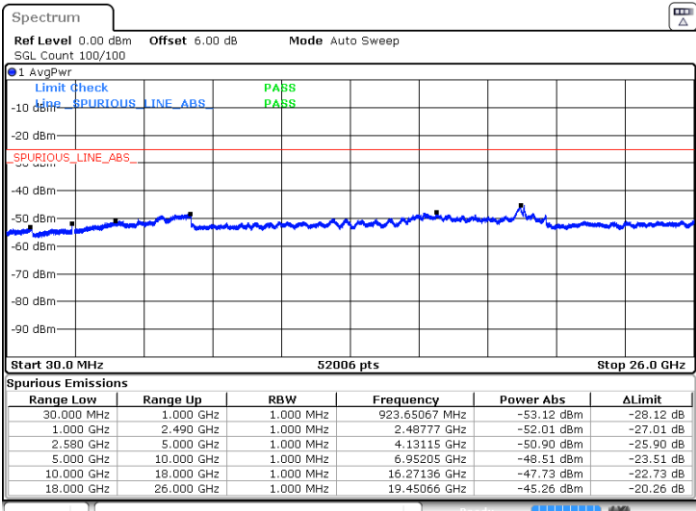




LTE Band 7 / 15MHz

Lowest Channel / QPSK

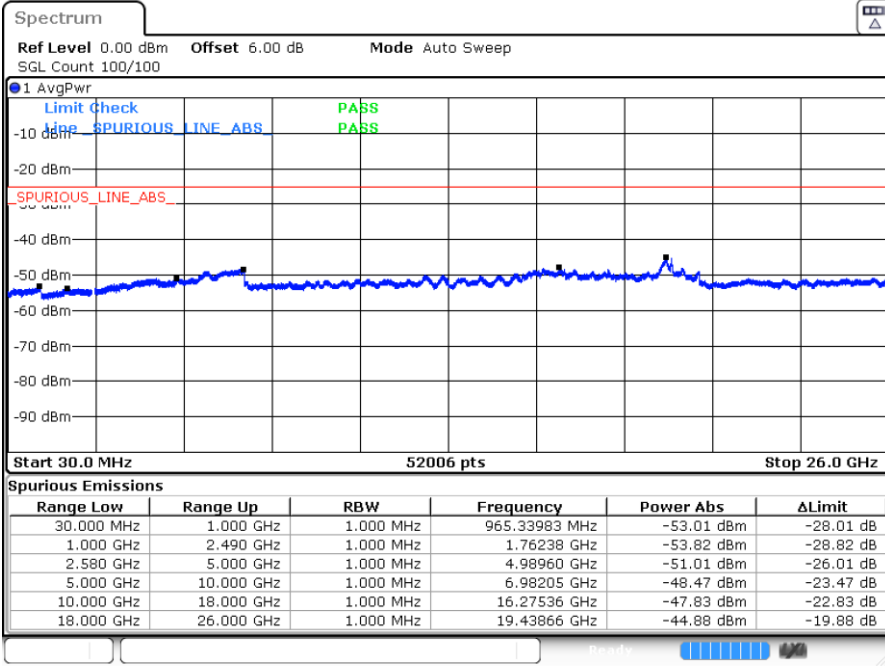
Middle Channel / QPSK



Date: 15.AUG.2022 14:50:35

Date: 15.AUG.2022 14:49:06

Highest Channel / QPSK



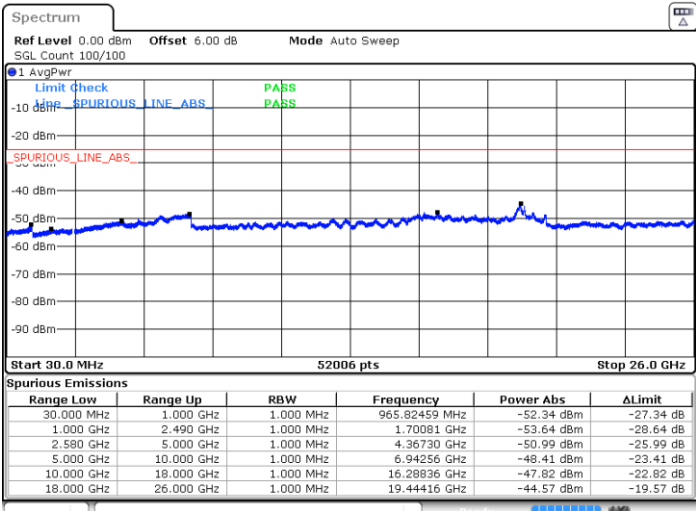
Date: 15.AUG.2022 14:47:39



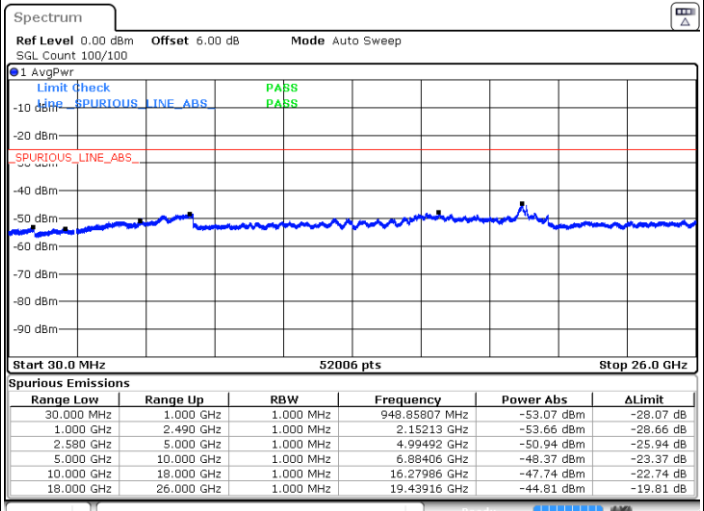
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

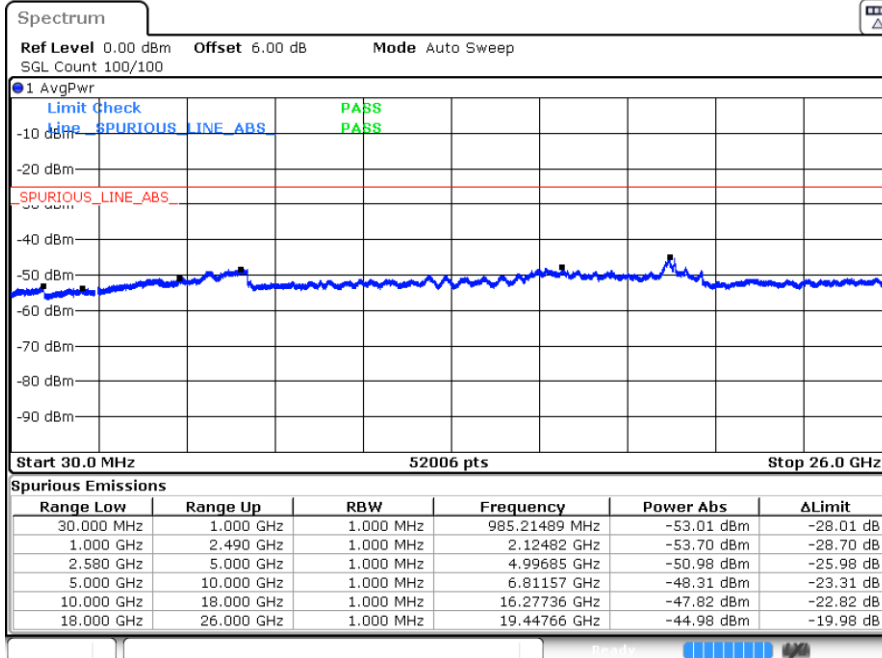


Date: 15.AUG.2022 15:02:01



Date: 15.AUG.2022 15:03:33

Highest Channel / QPSK



Date: 15.AUG.2022 15:04:55



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

Note:

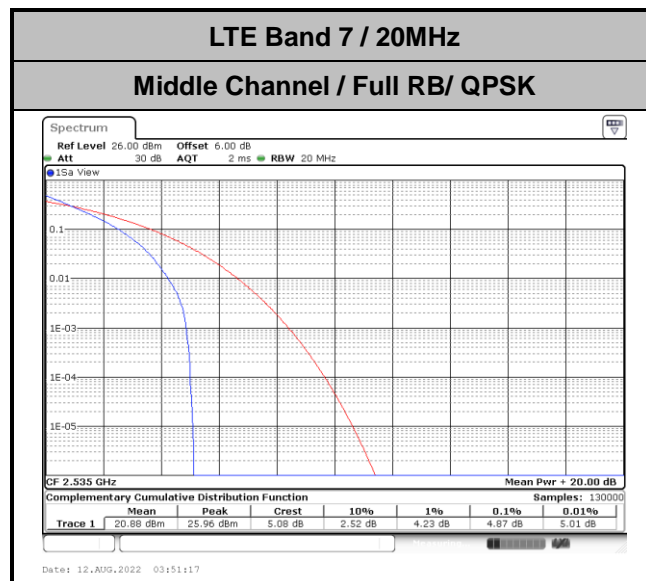
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.52 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

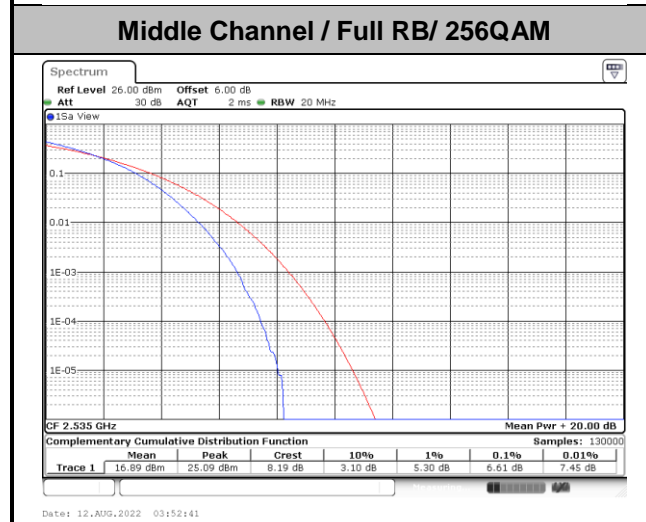
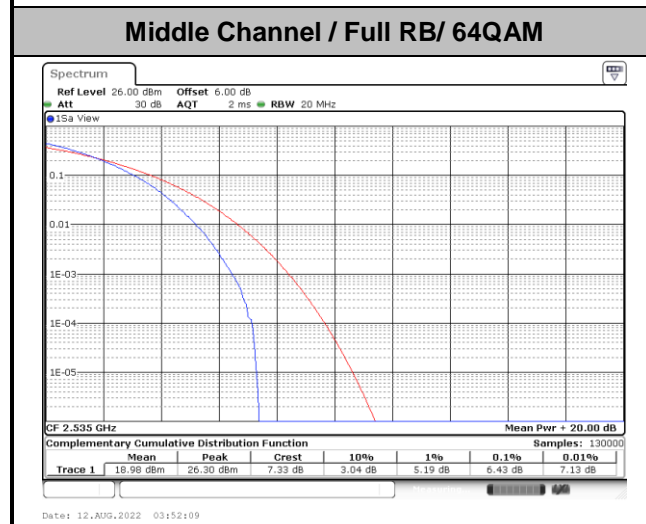
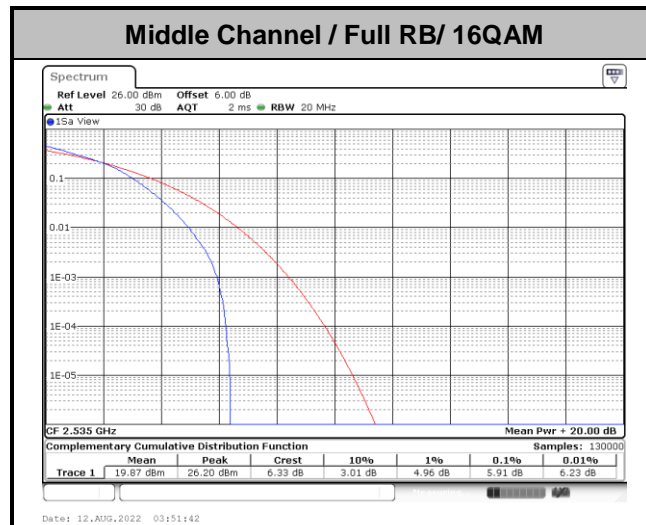


LTE Band 7 (other PA)

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.87	5.91	6.43	PASS
Mode	LTE Band 7 / 20MHz			
Mod.	256QAM			Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	6.61			PASS

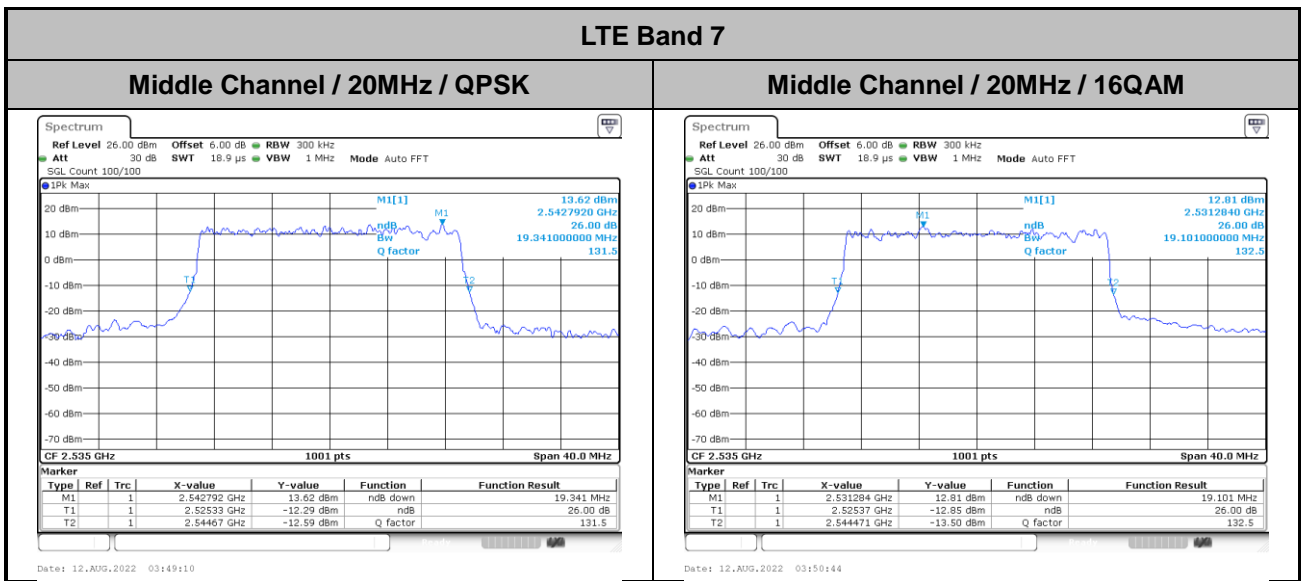






26dB Bandwidth

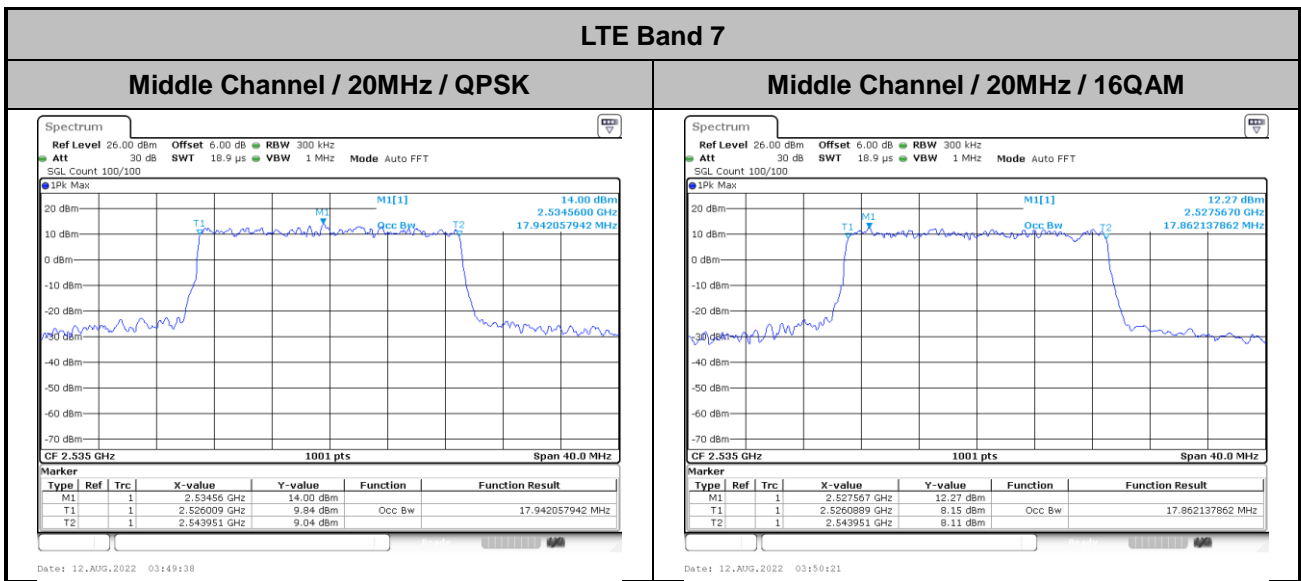
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.34	19.10





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.86

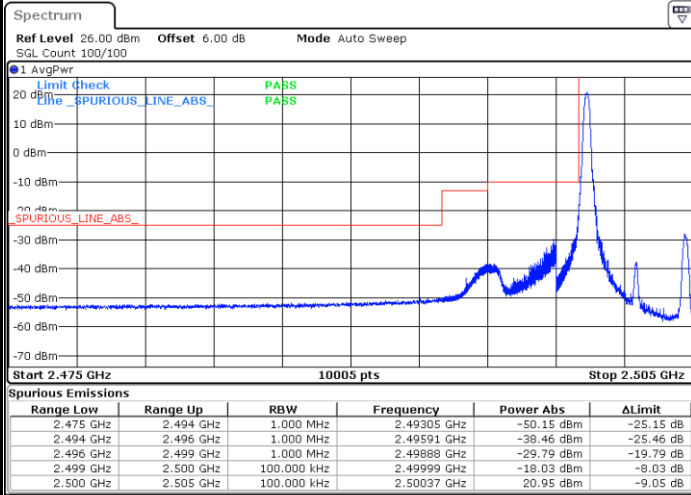




Conducted Band Edge

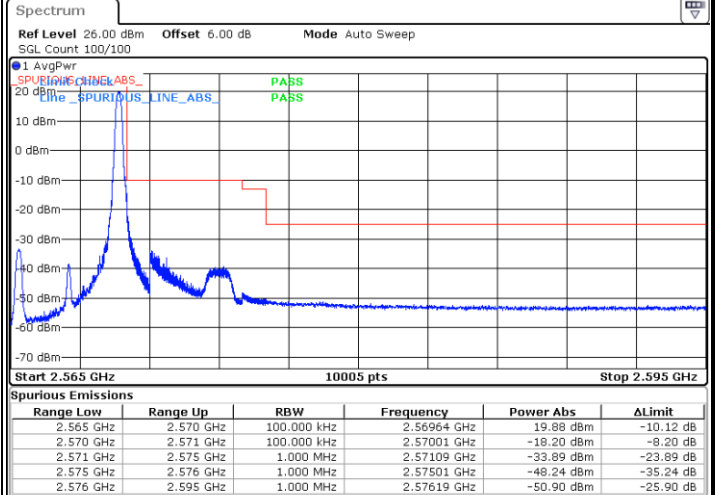
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



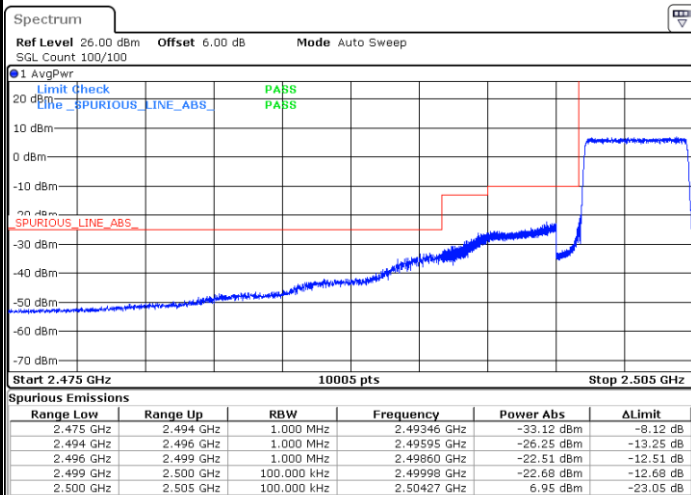
Date: 12.AUG.2022 04:33:59

Highest Band Edge / 1 RB



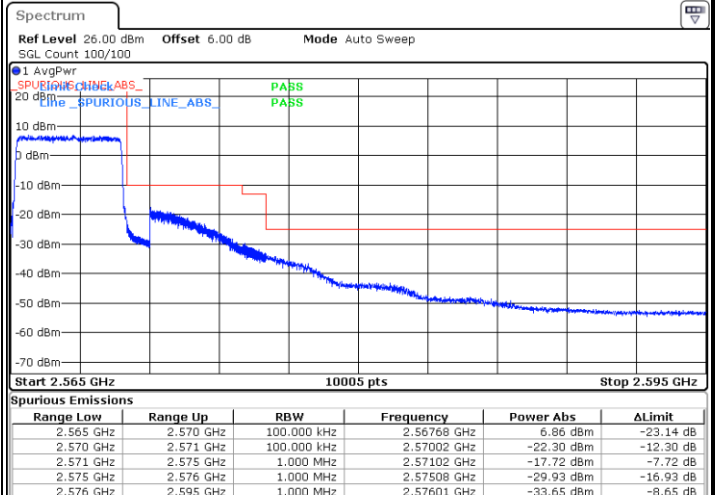
Date: 12.AUG.2022 04:44:08

Lowest Band Edge / Full RB



Date: 12.AUG.2022 04:36:38

Highest Band Edge / Full RB

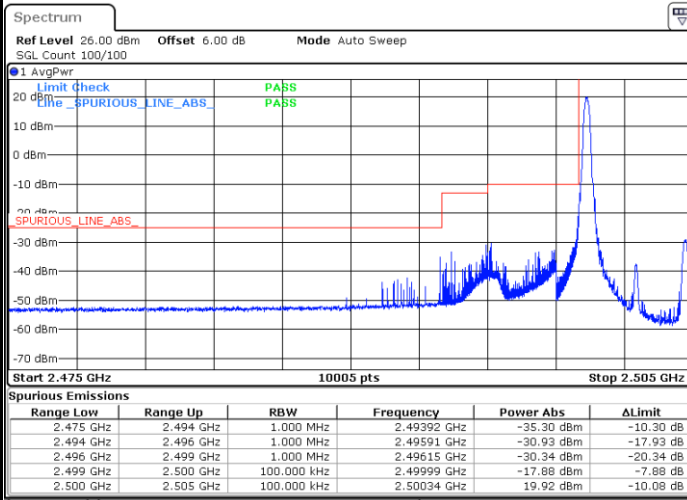


Date: 12.AUG.2022 04:46:27



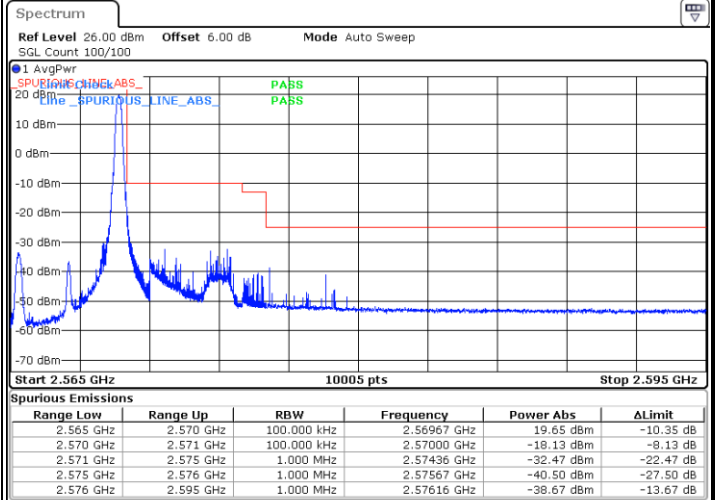
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



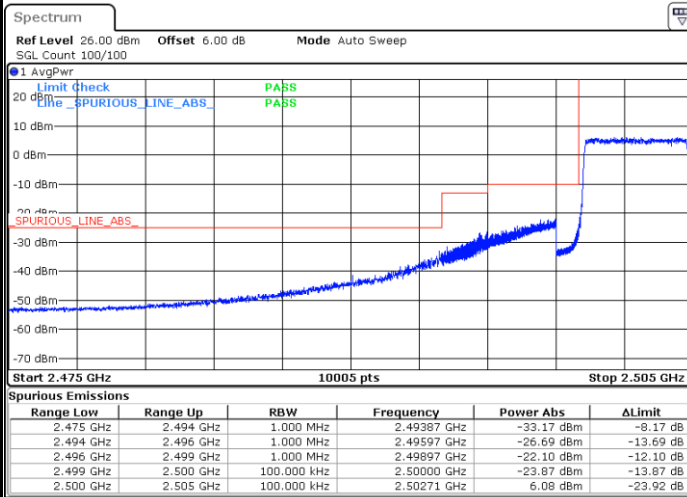
Date: 12.AUG.2022 04:34:42

Highest Band Edge / 1 RB



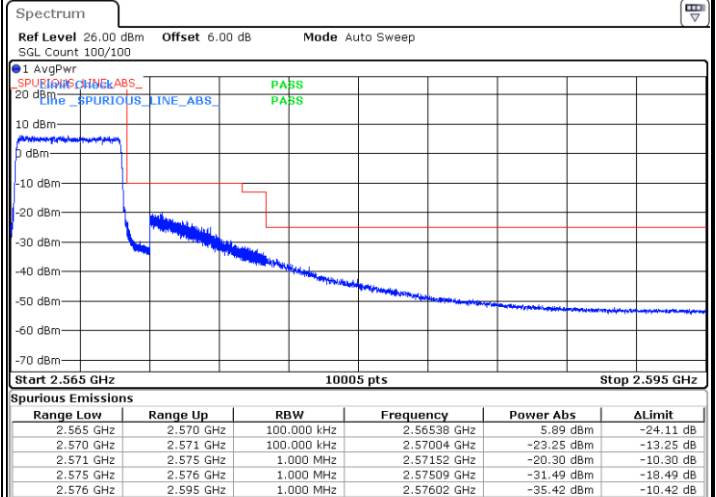
Date: 12.AUG.2022 04:44:45

Lowest Band Edge / Full RB



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

Highest Band Edge / Full RB



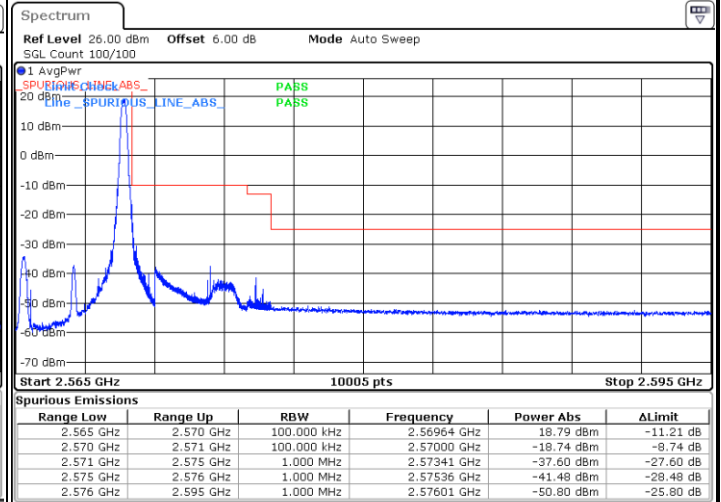
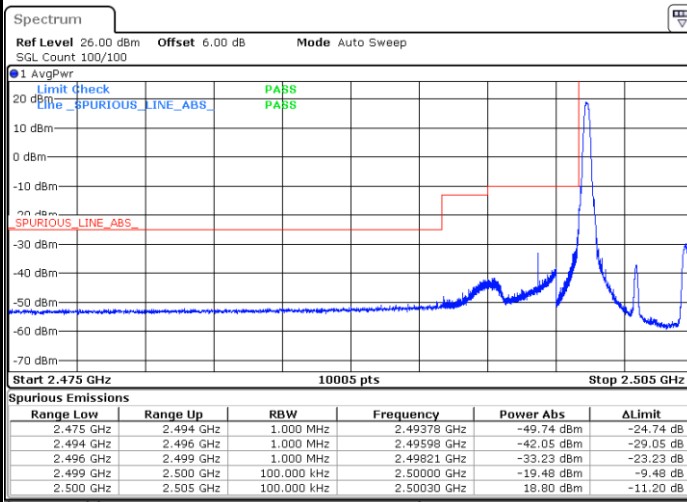
Date: 12.AUG.2022 04:46:59



LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB

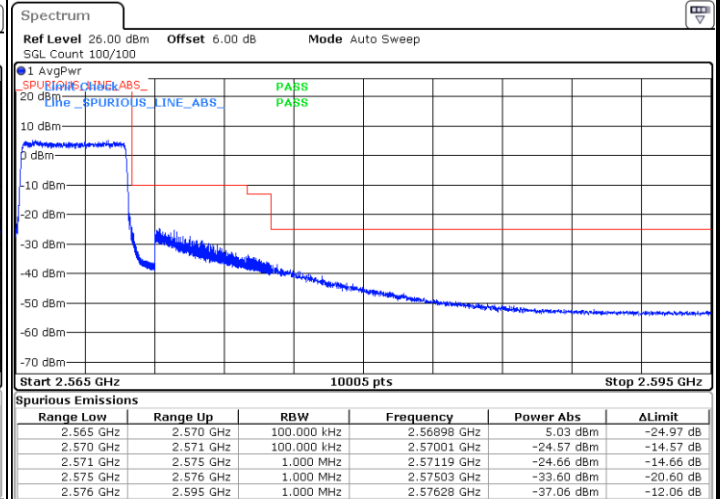
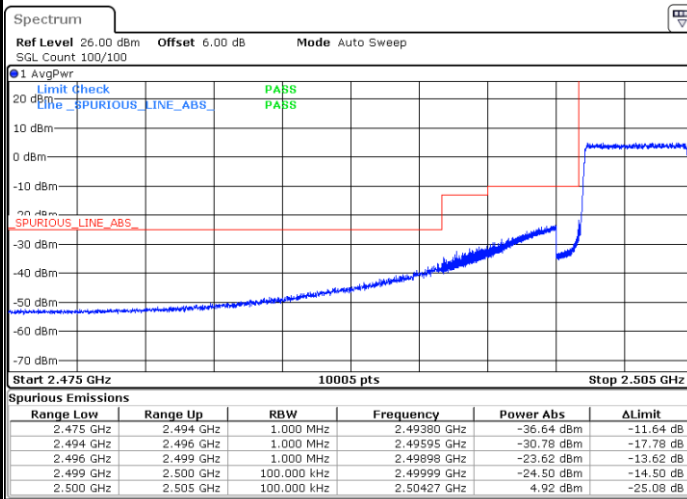


Date: 12.AUG.2022 04:35:23

Date: 12.AUG.2022 04:45:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.AUG.2022 04:37:45

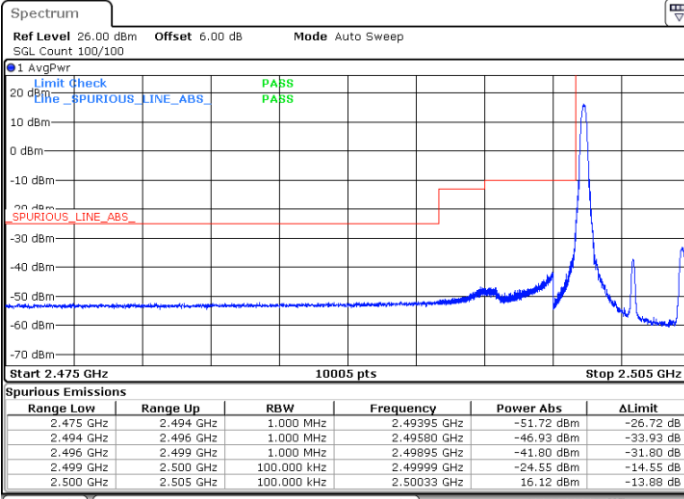
Date: 12.AUG.2022 04:47:33



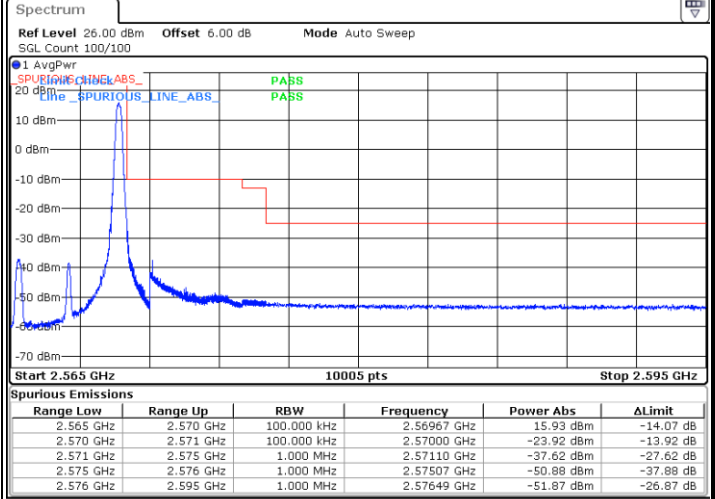
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB

Highest Band Edge / 1 RB



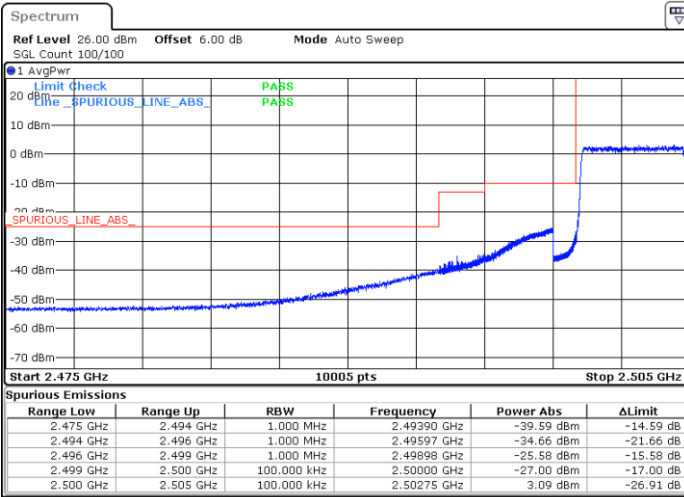
Date: 12.AUG.2022 04:35:59



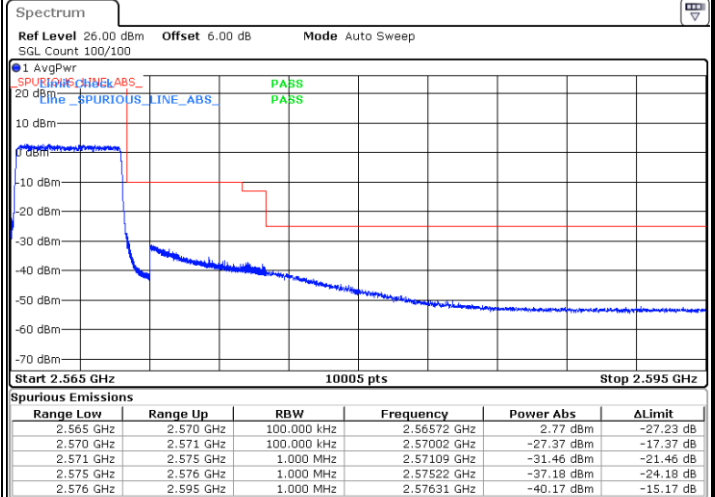
Date: 12.AUG.2022 04:45:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.AUG.2022 04:38:27



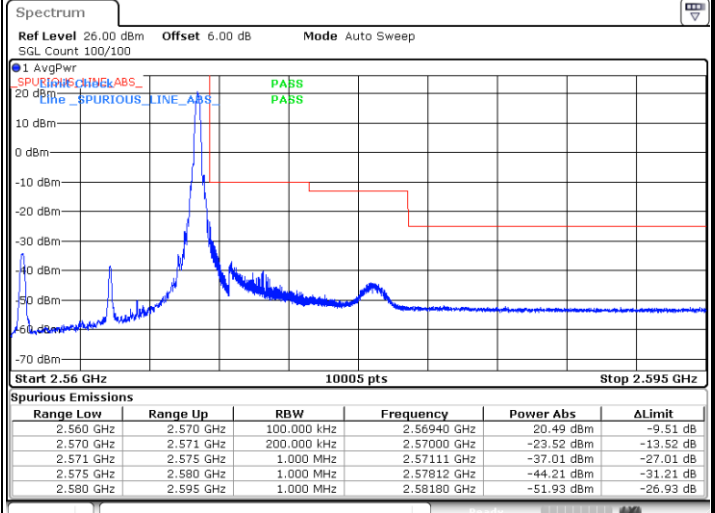
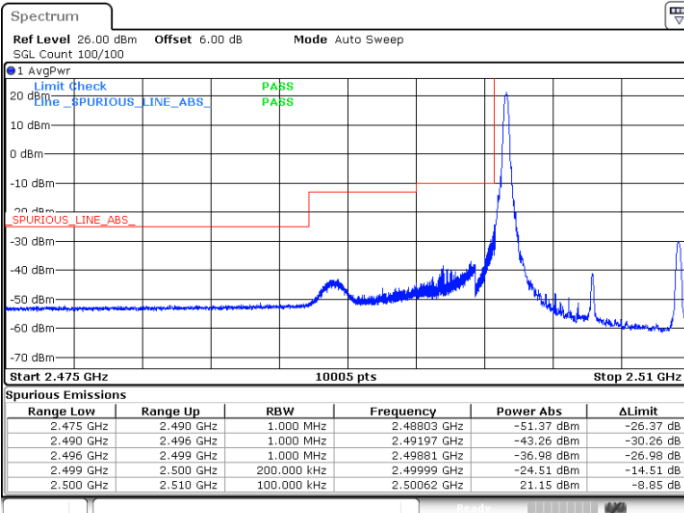
Date: 12.AUG.2022 04:48:05



LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

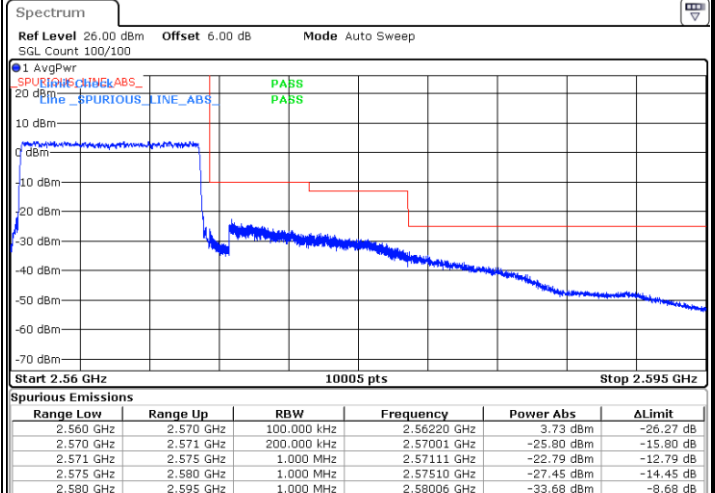
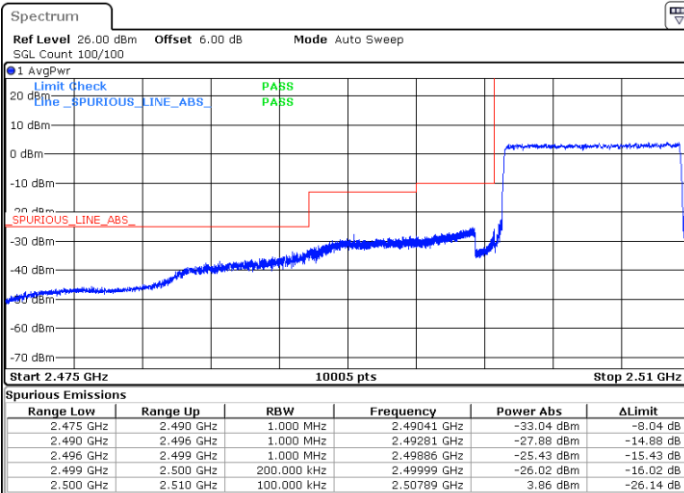


Date: 12.AUG.2022 04:14:38

Date: 12.AUG.2022 04:26:01

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.AUG.2022 04:17:48

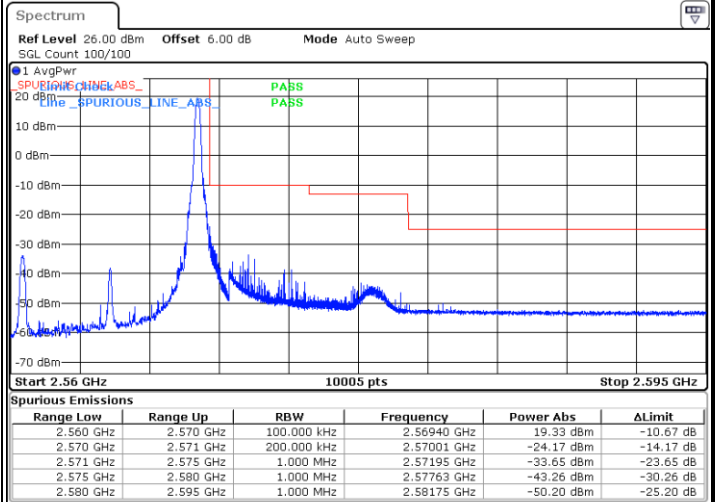
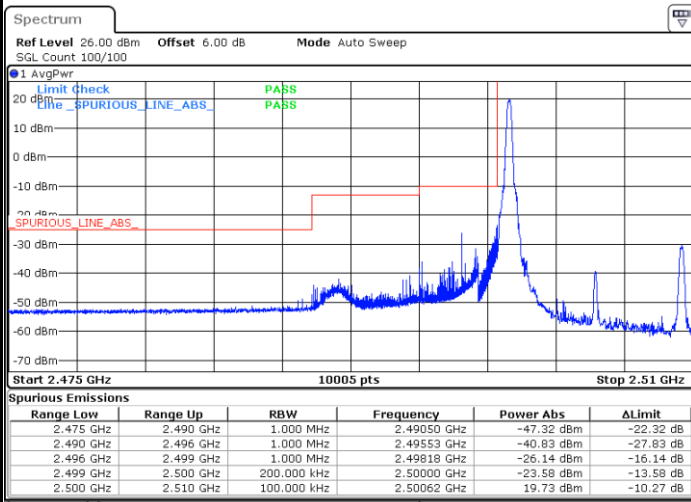
Date: 12.AUG.2022 04:28:40



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

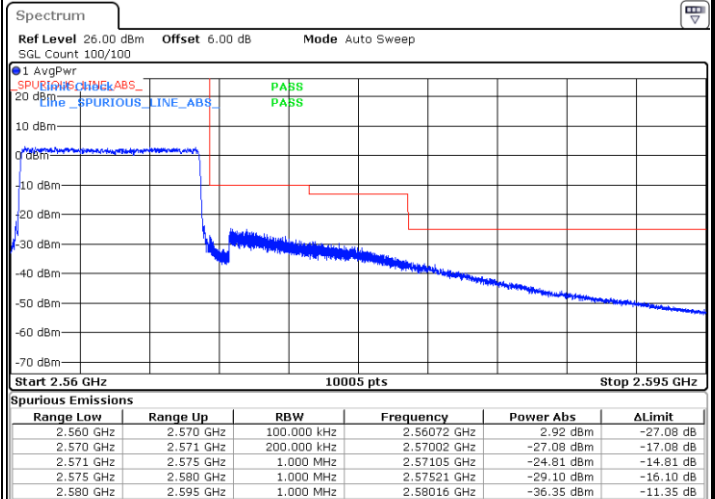
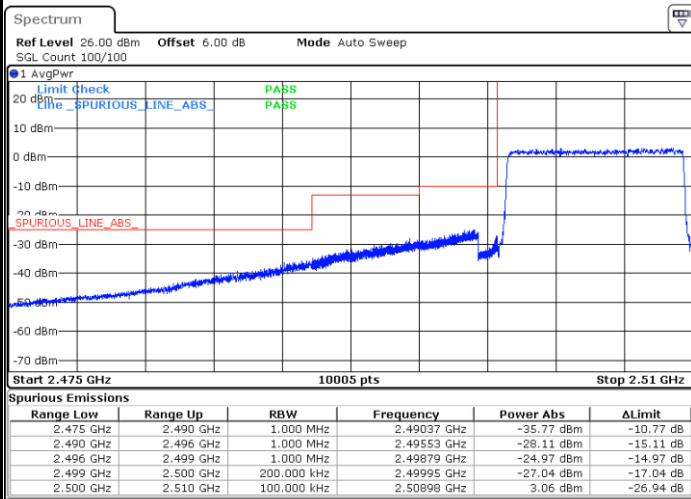


Date: 12.AUG.2022 04:15:22

Date: 12.AUG.2022 04:26:35

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.AUG.2022 04:18:26

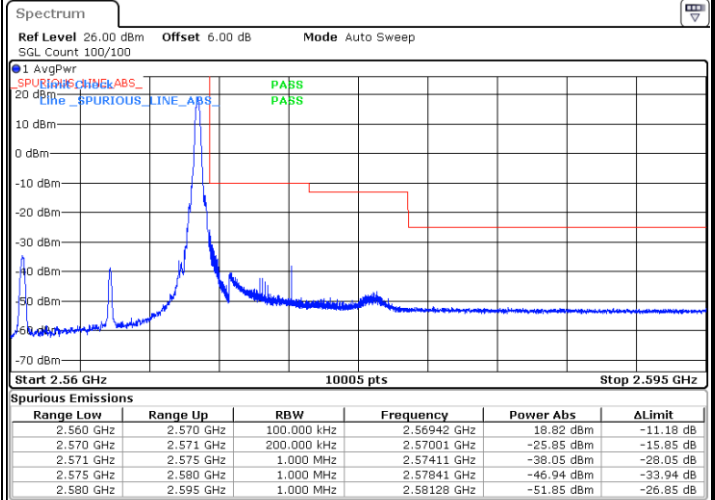
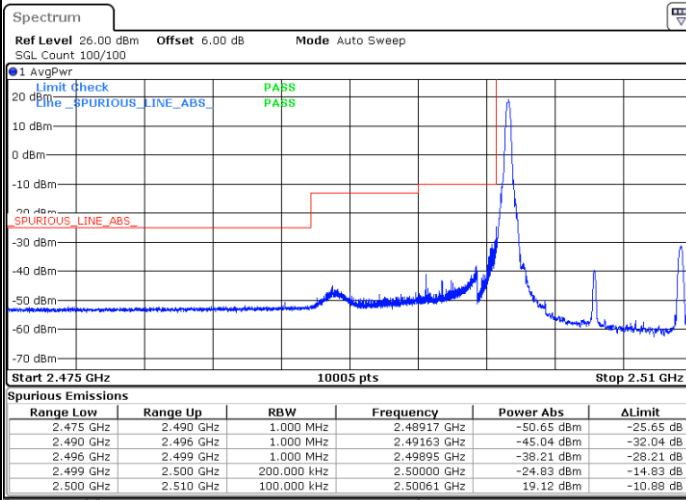
Date: 12.AUG.2022 04:29:14



LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

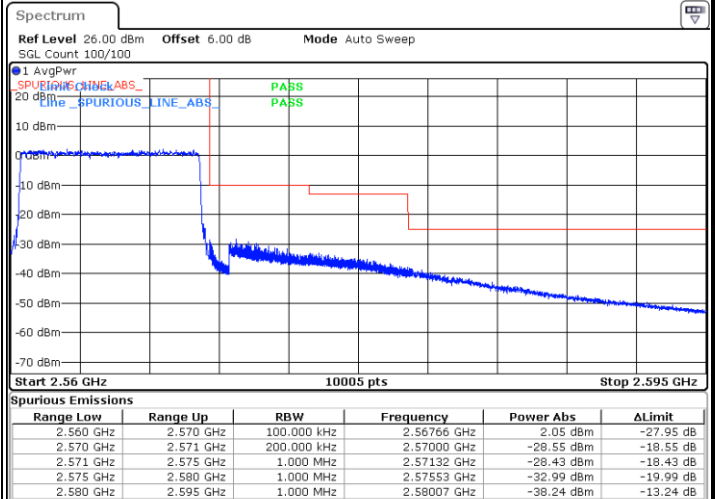
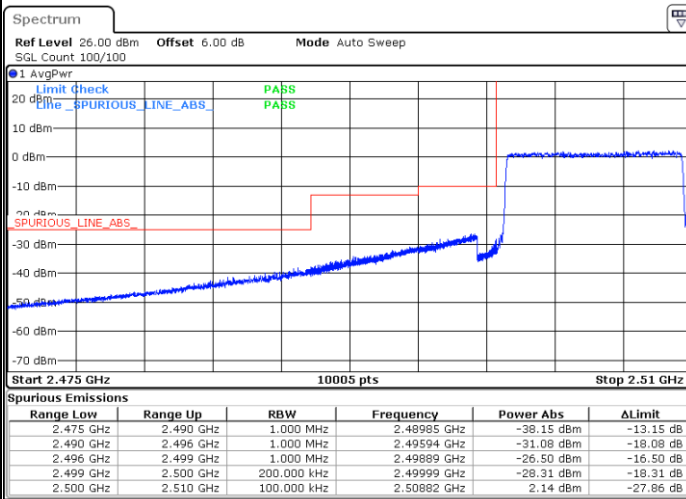


Date: 12.AUG.2022 04:16:04

Date: 12.AUG.2022 04:27:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



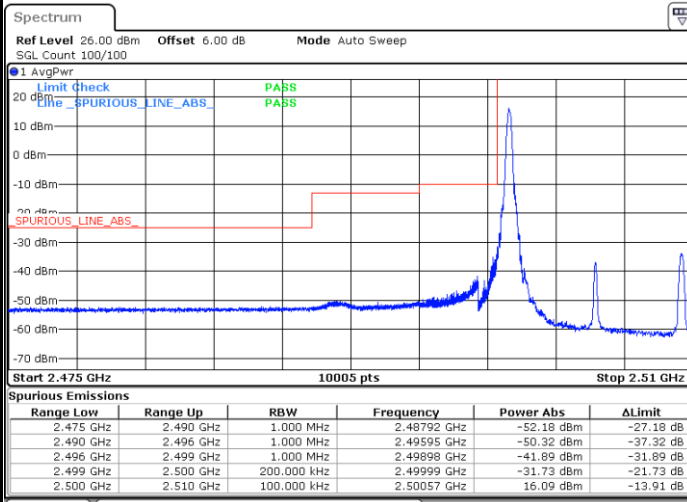
Date: 12.AUG.2022 04:19:06

Date: 12.AUG.2022 04:30:01



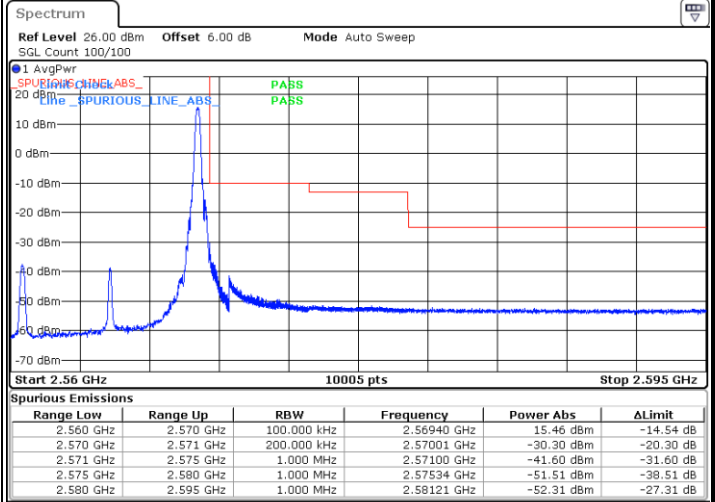
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1 RB



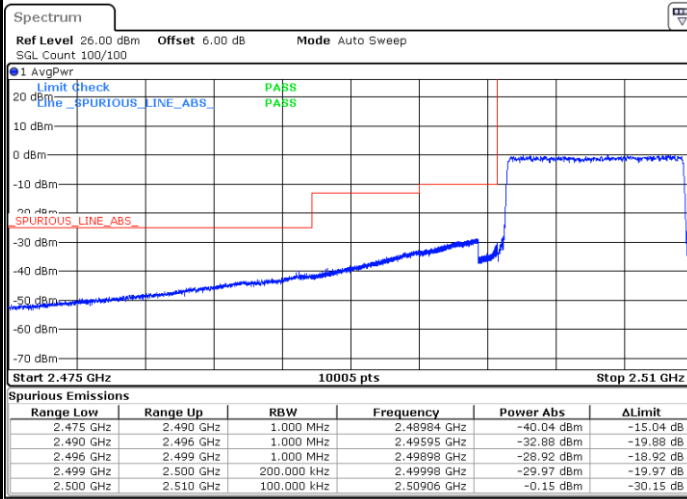
Date: 12.AUG.2022 04:16:38

Highest Band Edge / 1 RB



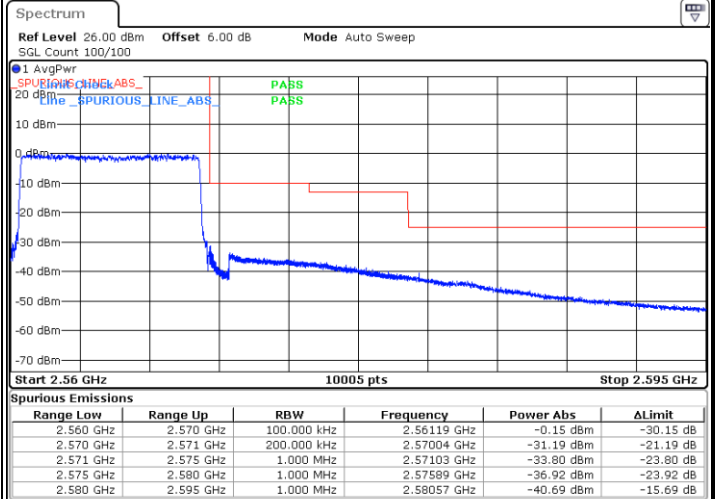
Date: 12.AUG.2022 04:27:36

Lowest Band Edge / Full RB



Date: 12.AUG.2022 04:19:53

Highest Band Edge / Full RB

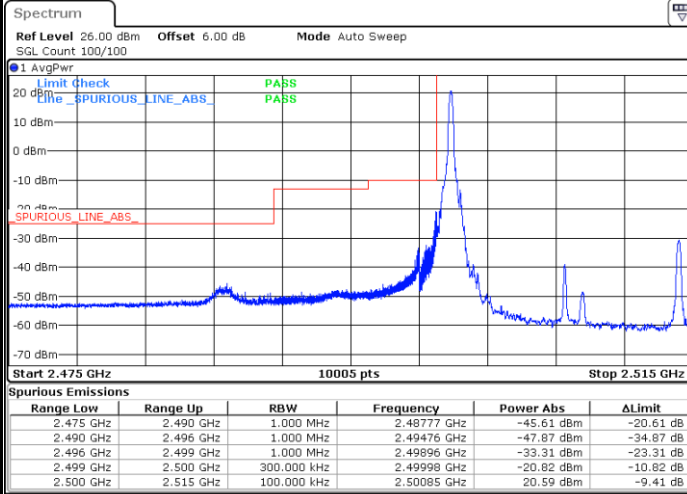


Date: 12.AUG.2022 04:30:40



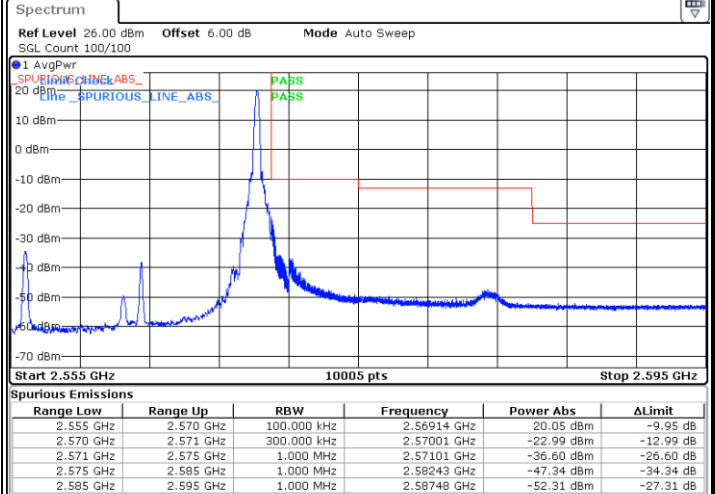
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



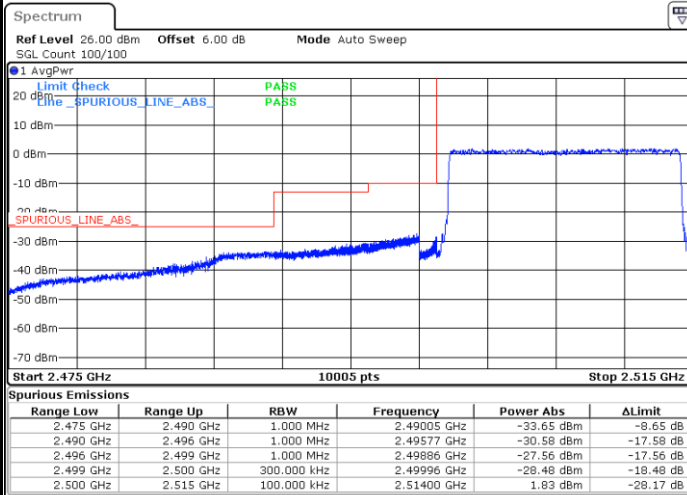
Date: 12.AUG.2022 03:54:15

Highest Band Edge / 1 RB



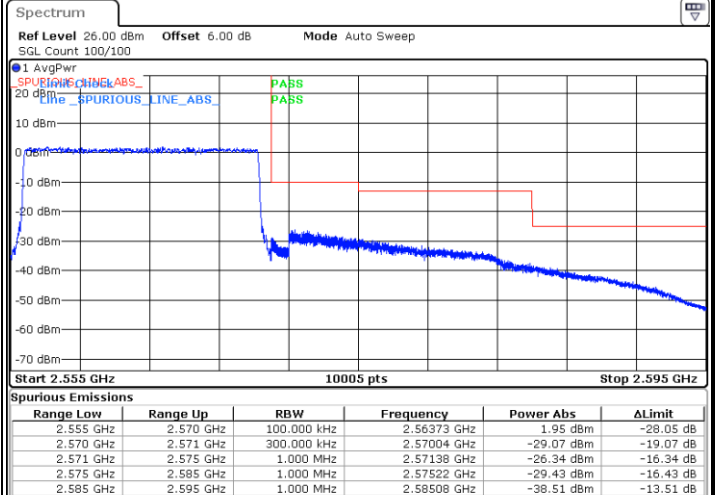
Date: 12.AUG.2022 04:05:44

Lowest Band Edge / Full RB



Date: 12.AUG.2022 03:57:42

Highest Band Edge / Full RB

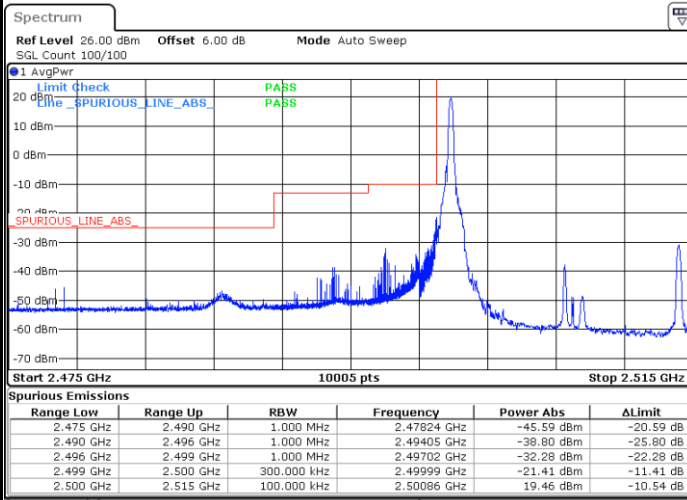


Date: 12.AUG.2022 04:08:58



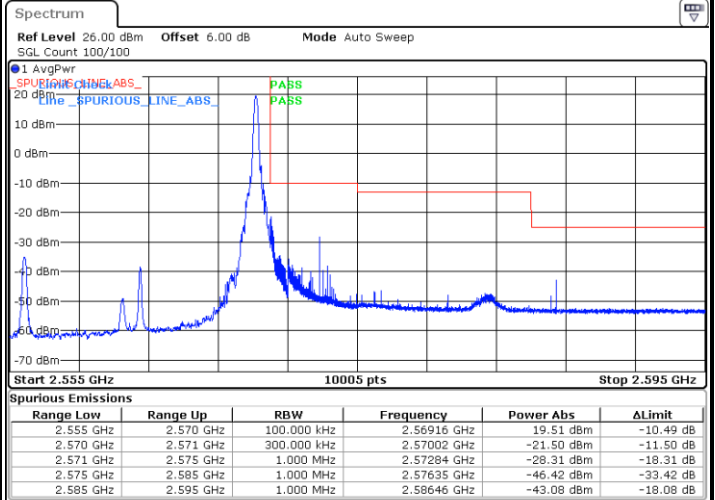
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



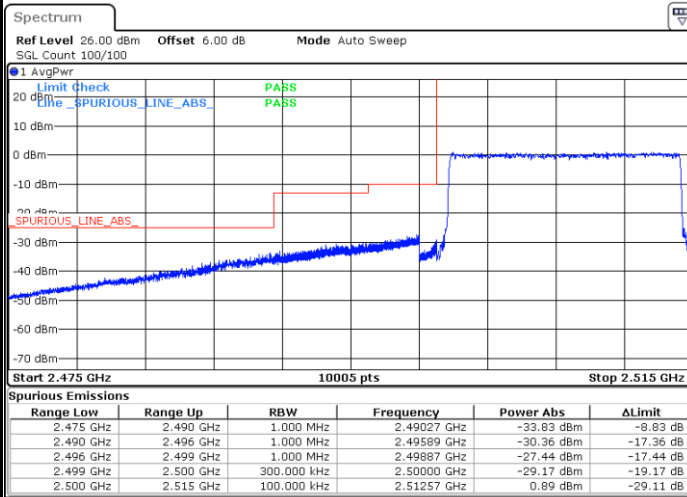
Date: 12.AUG.2022 03:54:48

Highest Band Edge / 1 RB



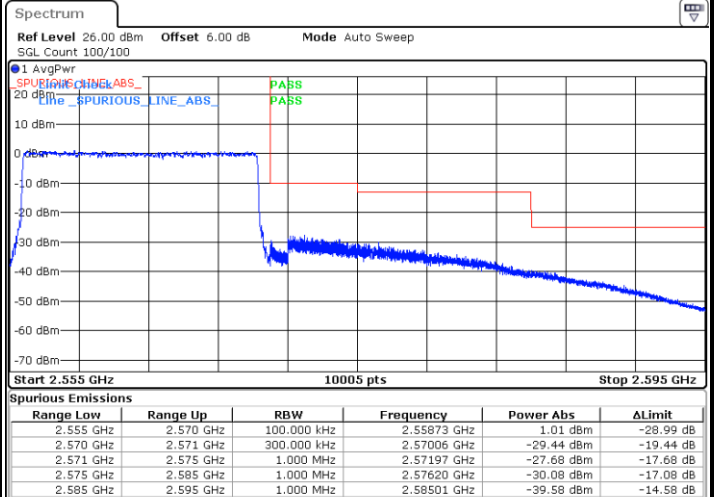
Date: 12.AUG.2022 04:06:26

Lowest Band Edge / Full RB



Date: 12.AUG.2022 03:58:18

Highest Band Edge / Full RB

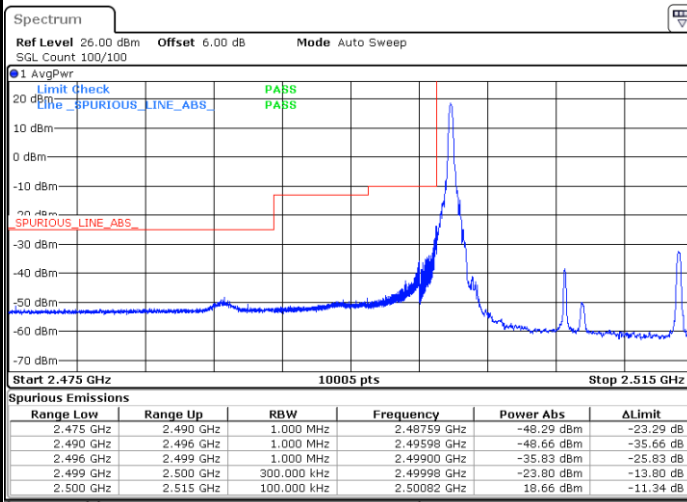


Date: 12.AUG.2022 04:09:26



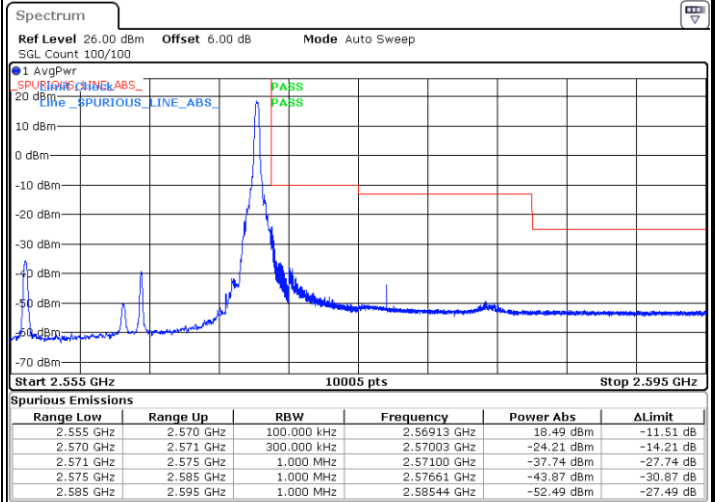
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



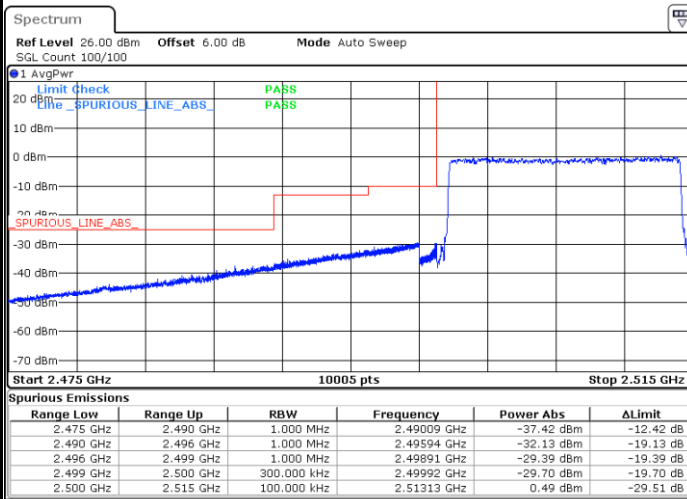
Date: 12.AUG.2022 03:55:22

Highest Band Edge / 1 RB



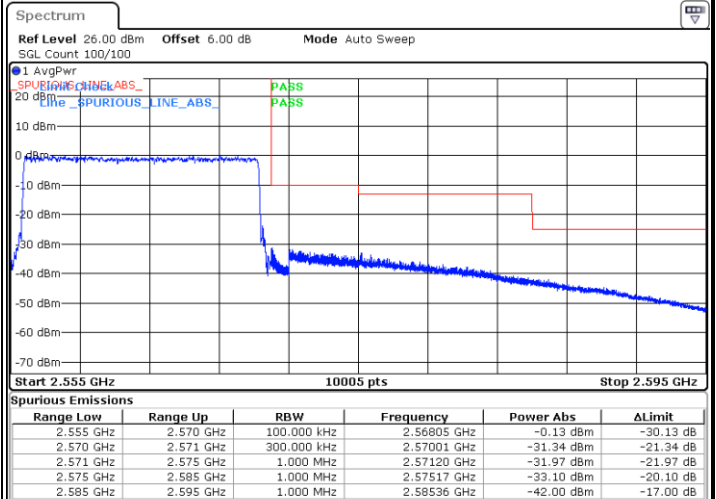
Date: 12.AUG.2022 04:06:57

Lowest Band Edge / Full RB



Date: 12.AUG.2022 03:58:52

Highest Band Edge / Full RB

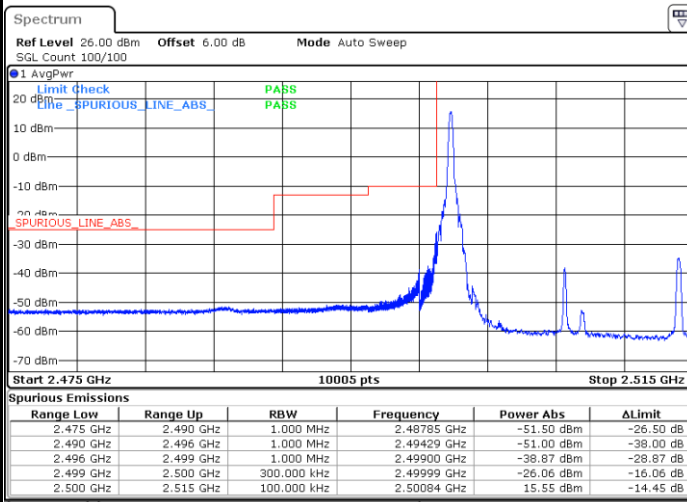


Date: 12.AUG.2022 04:09:57



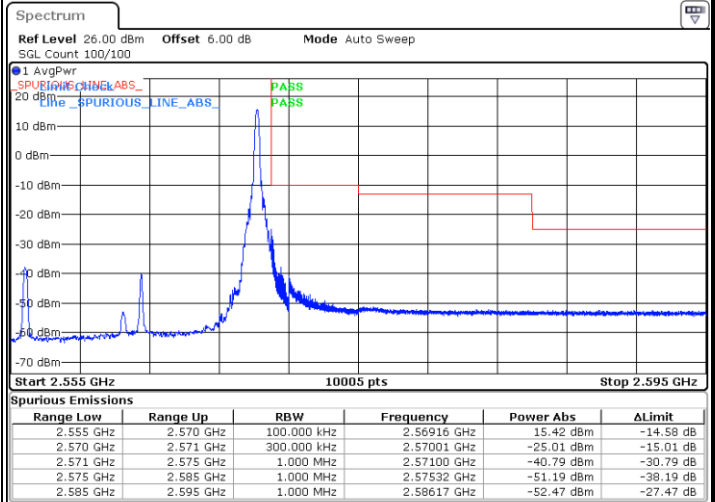
LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



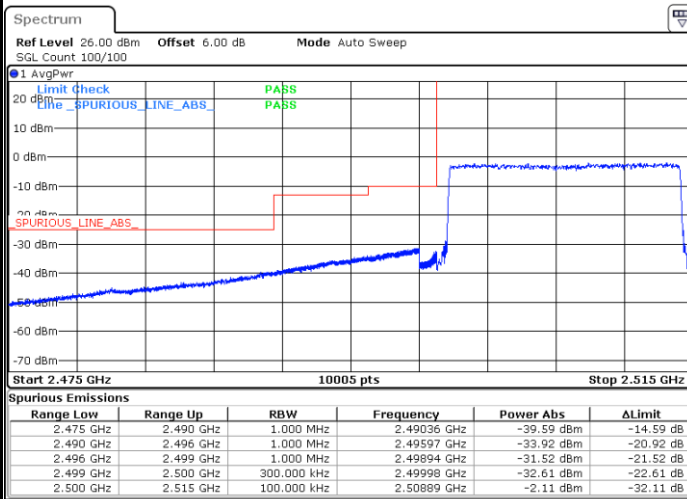
Date: 12.AUG.2022 03:55:52

Highest Band Edge / 1 RB



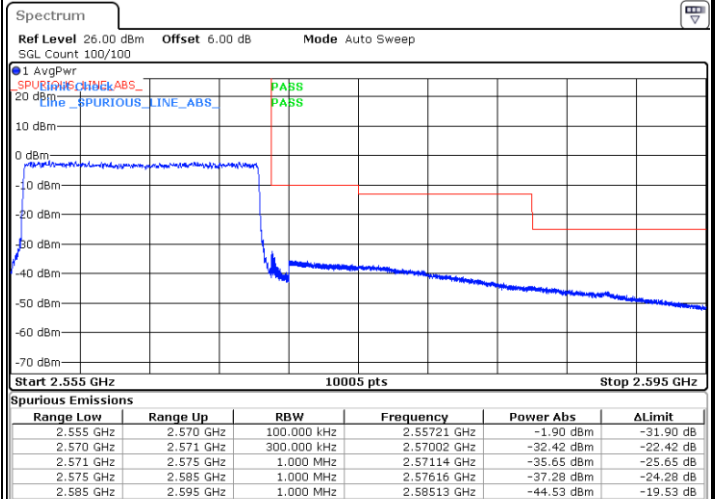
Date: 12.AUG.2022 04:07:47

Lowest Band Edge / Full RB



Date: 12.AUG.2022 03:59:24

Highest Band Edge / Full RB



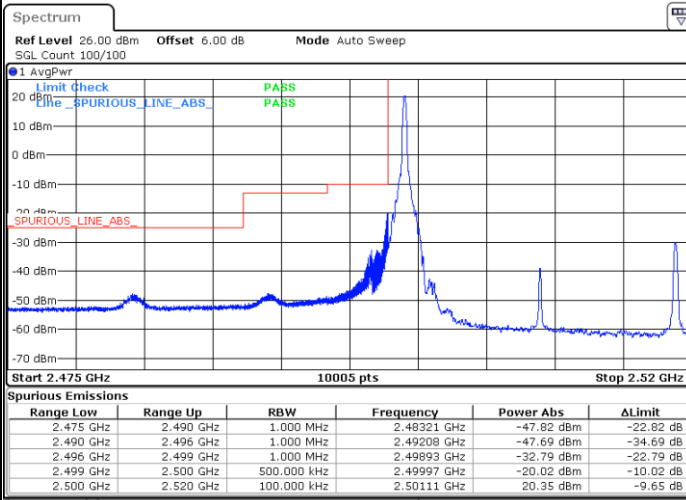
Date: 12.AUG.2022 04:10:29



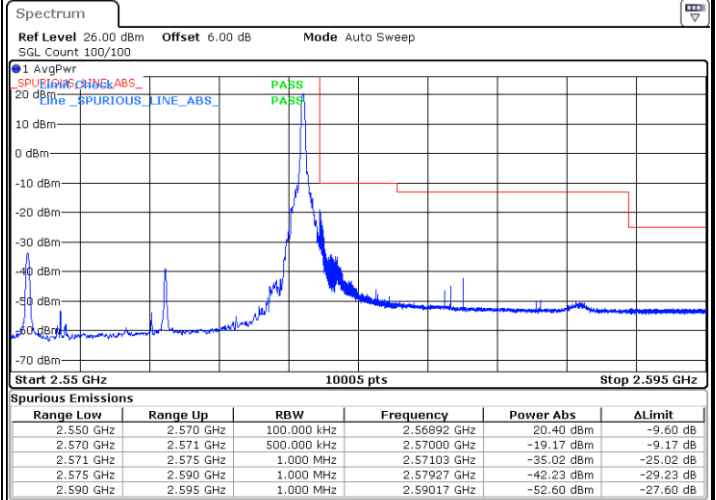
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



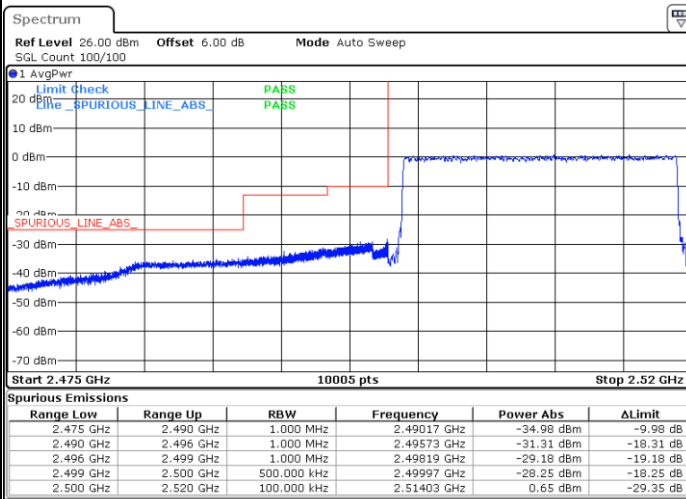
Date: 12.AUG.2022 03:41:47



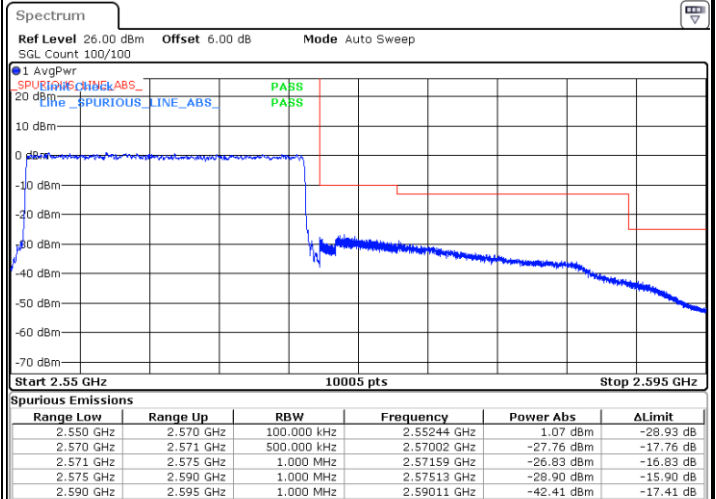
Date: 12.AUG.2022 03:27:56

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.AUG.2022 03:45:33



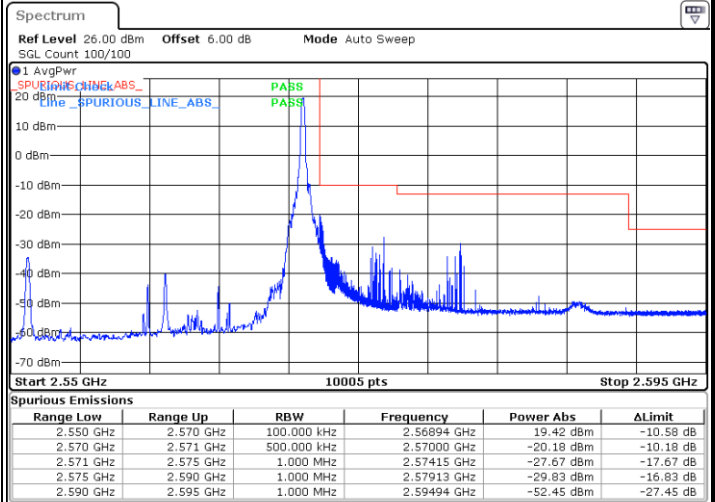
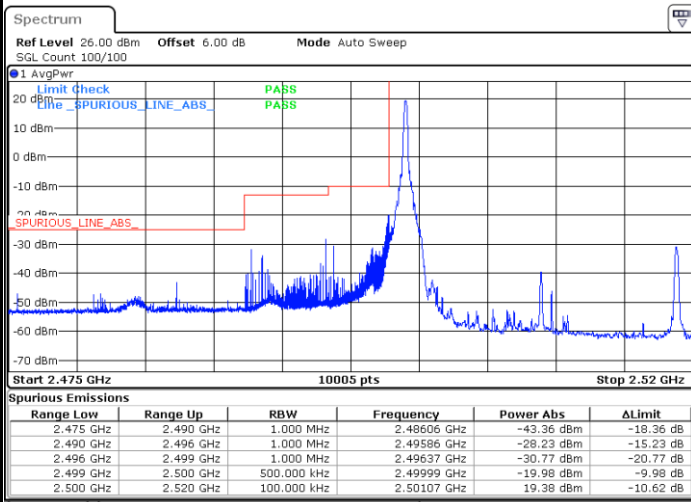
Date: 12.AUG.2022 03:36:27



LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

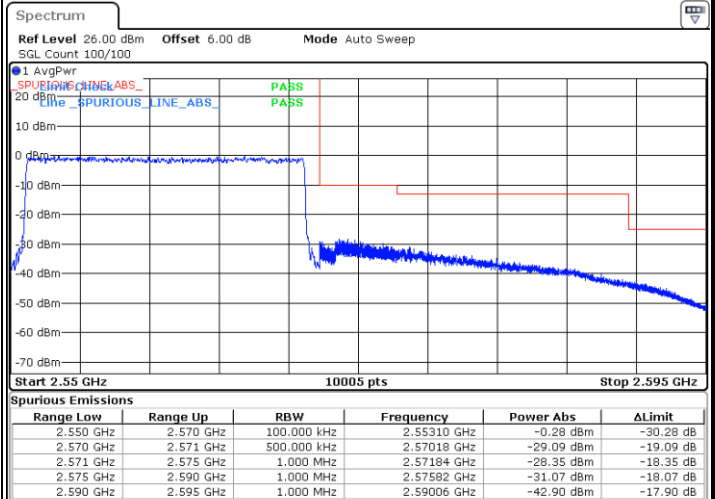
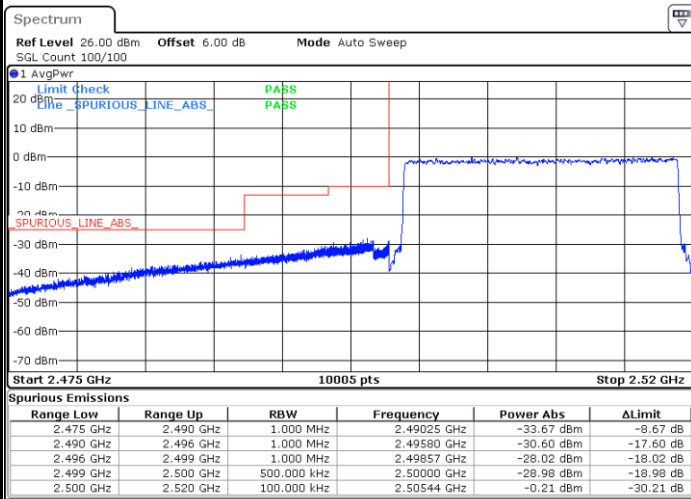


Date: 12.AUG.2022 03:42:23

Date: 12.AUG.2022 03:29:00

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.AUG.2022 03:46:09

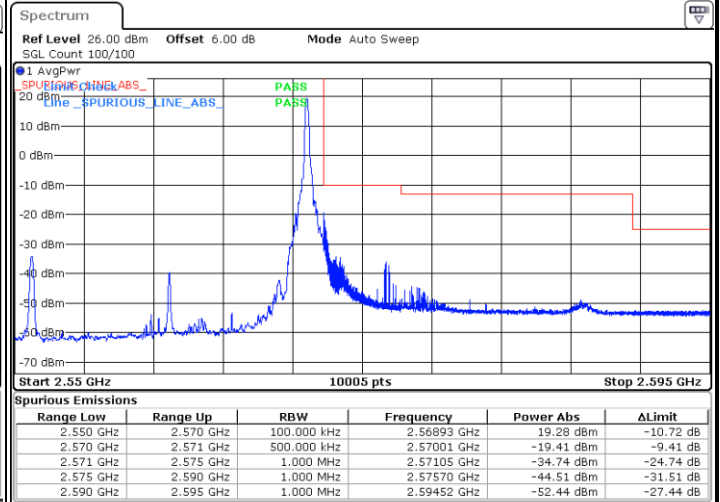
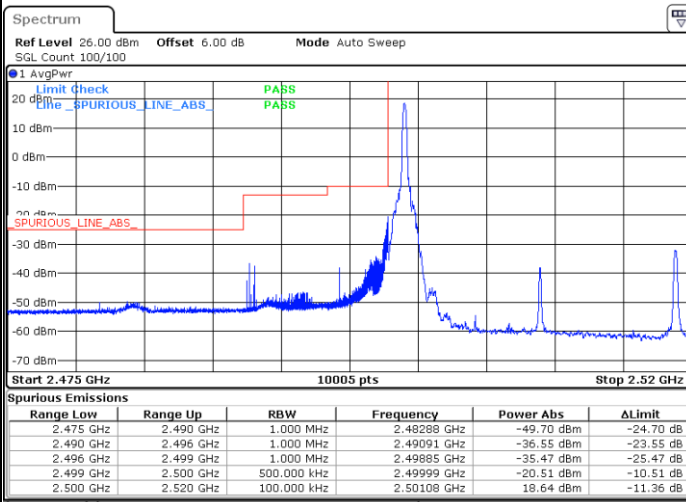
Date: 12.AUG.2022 03:37:02



LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

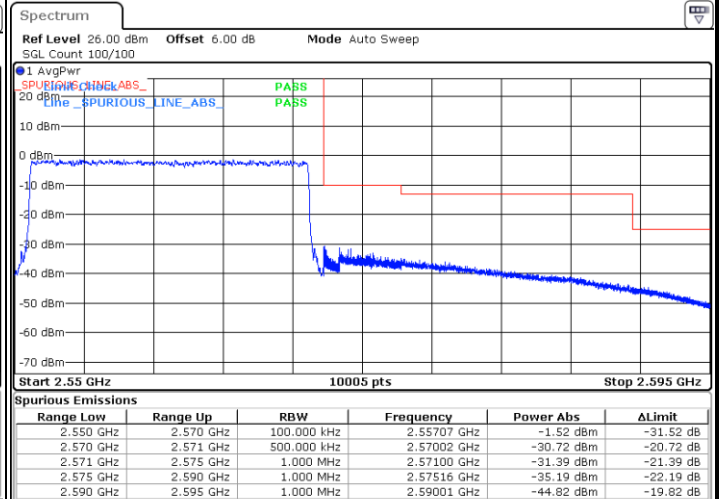
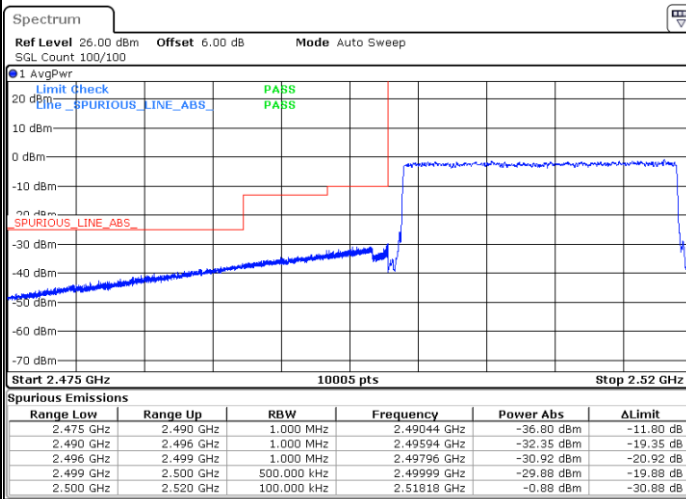


Date: 12.AUG.2022 03:42:53

Date: 12.AUG.2022 03:29:39

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 12.AUG.2022 03:46:40

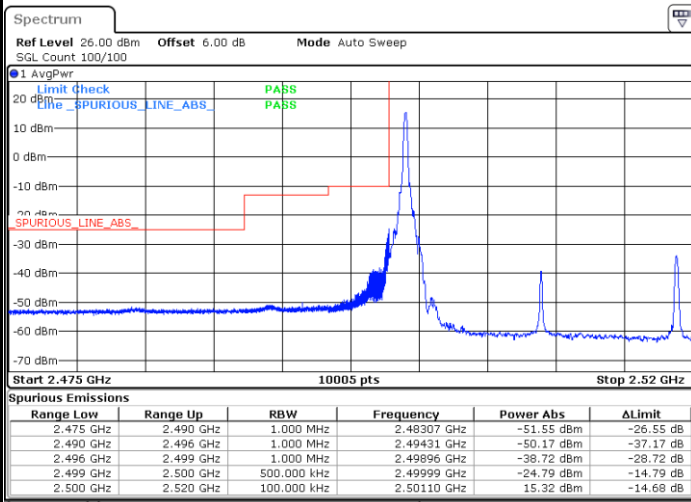
Date: 12.AUG.2022 03:37:38



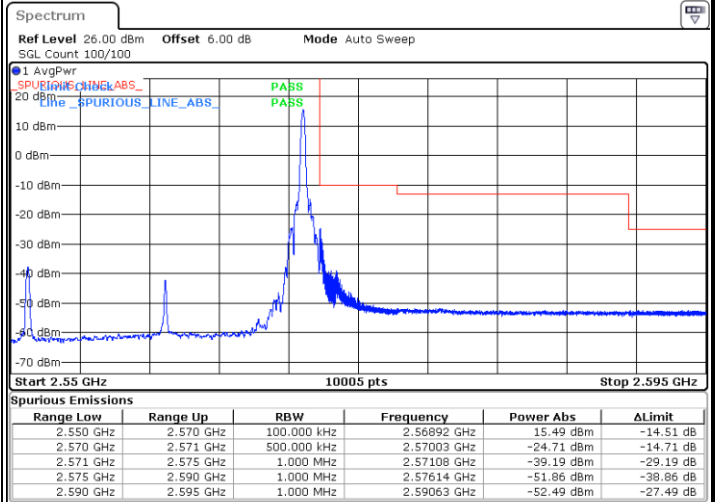
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



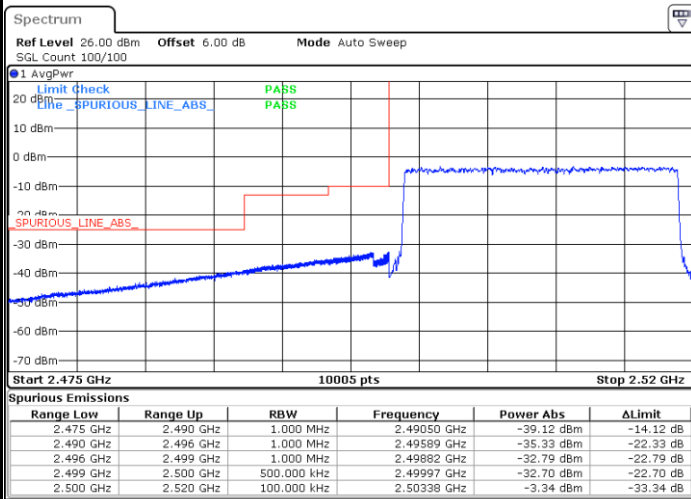
Date: 12.AUG.2022 03:43:25



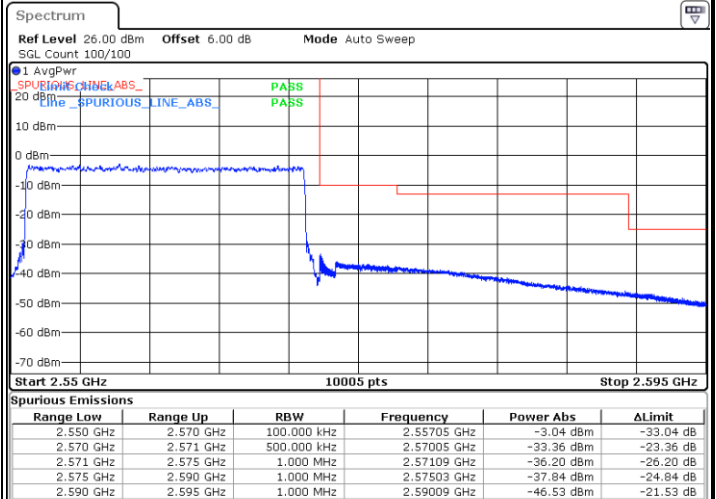
Date: 12.AUG.2022 03:30:32

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



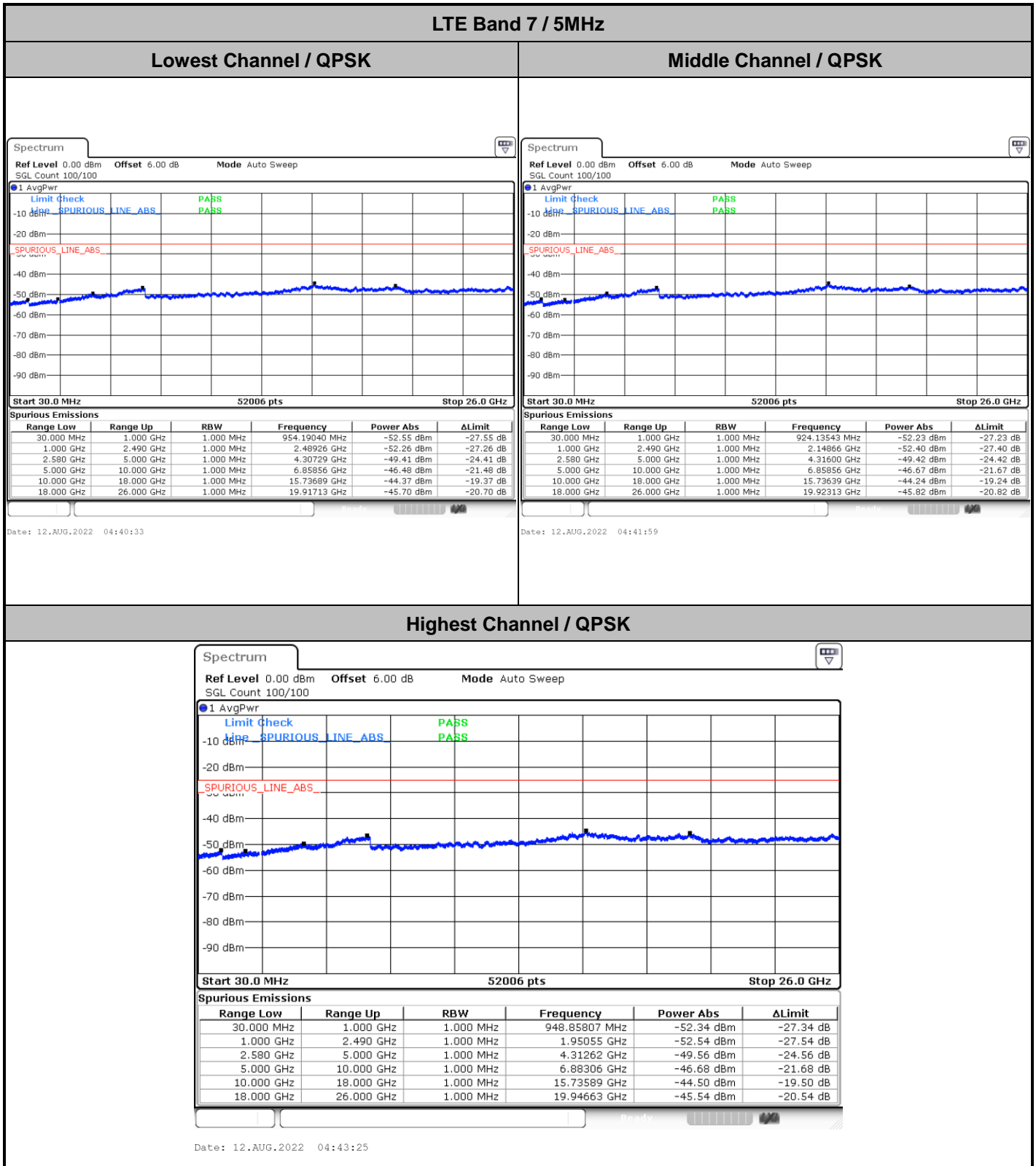
Date: 12.AUG.2022 03:47:17



Date: 12.AUG.2022 03:38:18



Conducted Spurious Emission

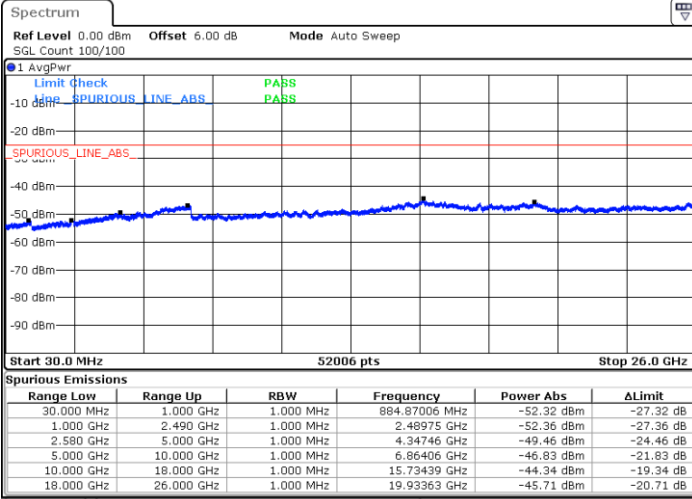




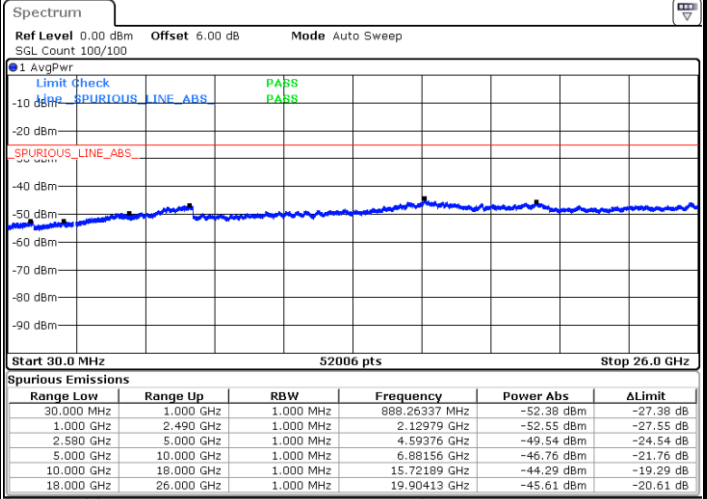
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK

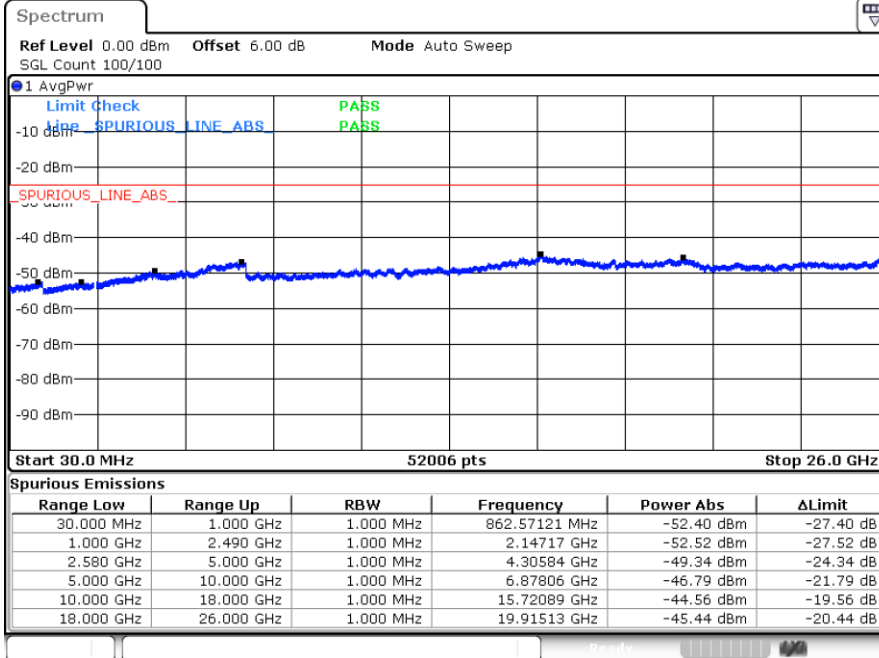


Date: 12.AUG.2022 04:22:12



Date: 12.AUG.2022 04:23:45

Highest Channel / QPSK



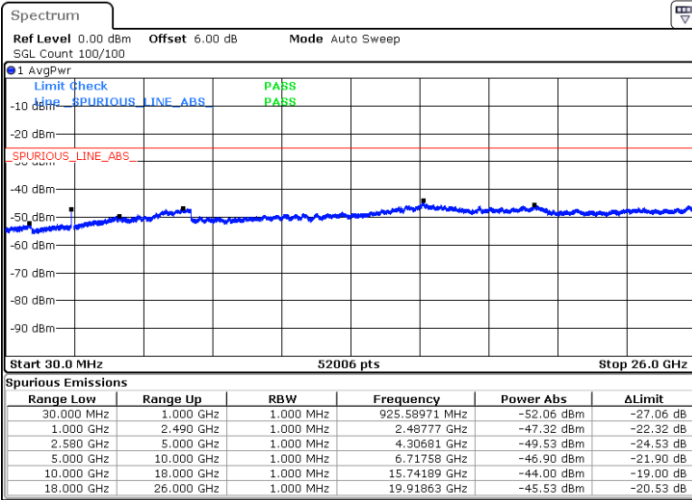
Date: 12.AUG.2022 04:25:13



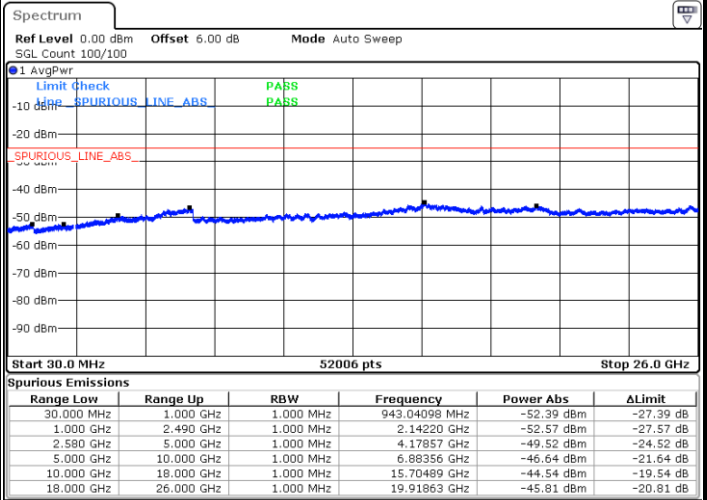
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

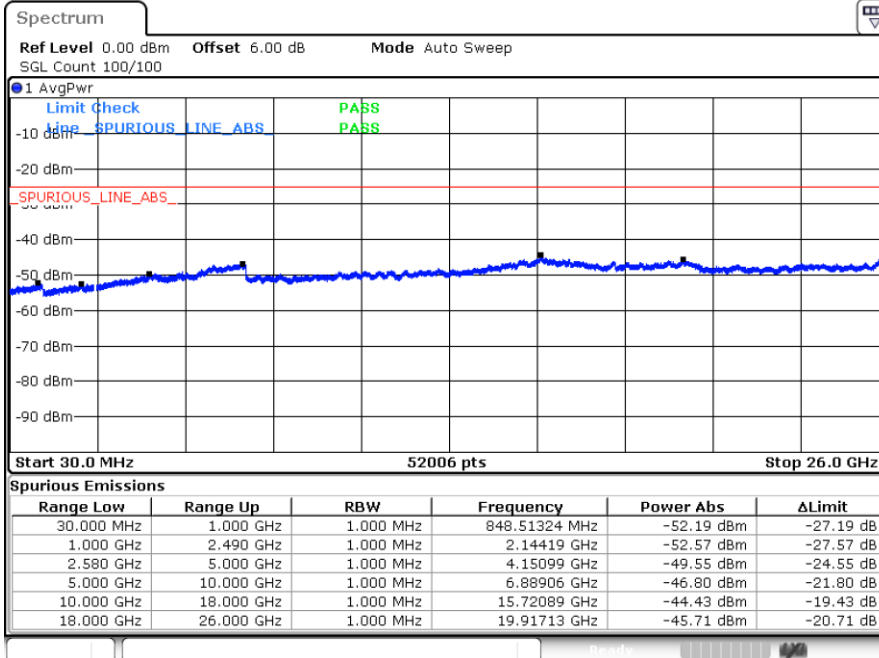


Date: 12.AUG.2022 04:01:38



Date: 12.AUG.2022 04:03:13

Highest Channel / QPSK



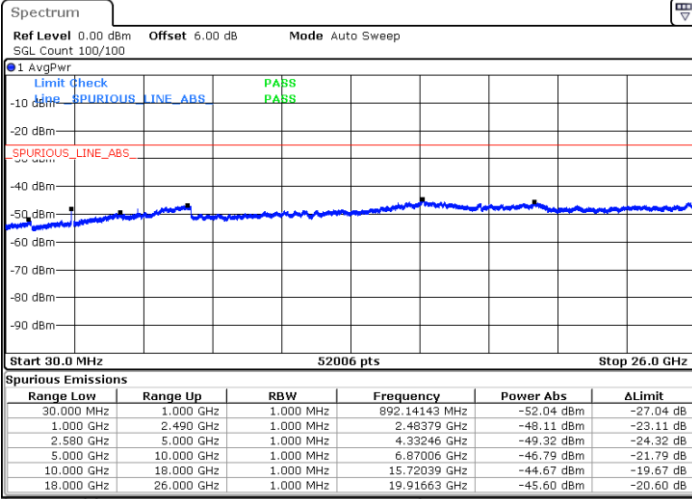
Date: 12.AUG.2022 04:04:40



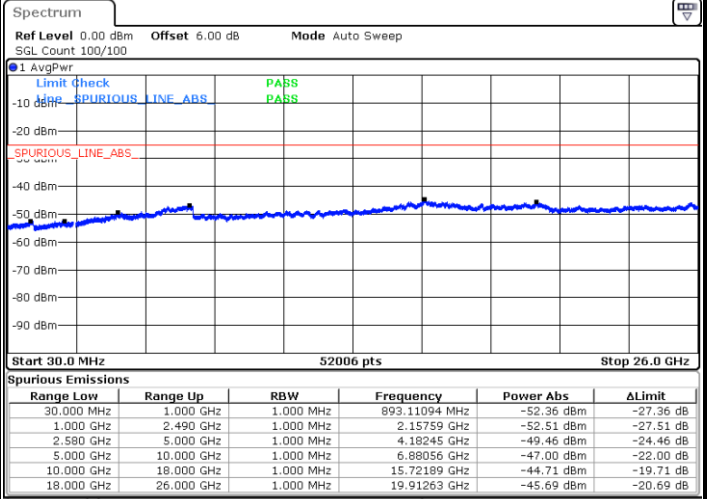
LTE Band 7 / 20MHz

Lowest Channel / QPSK

Middle Channel / QPSK

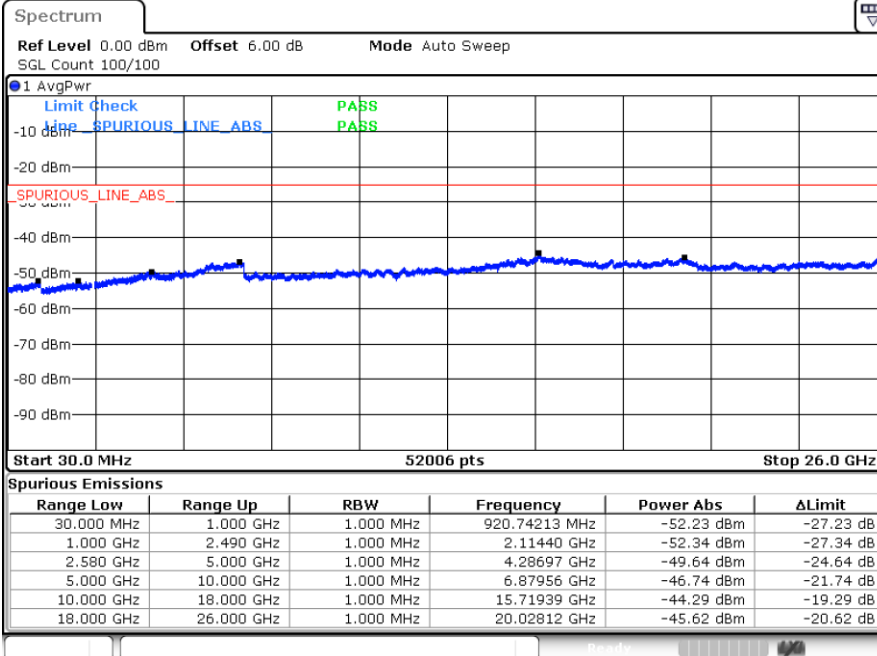


Date: 12.AUG.2022 03:24:11



Date: 12.AUG.2022 03:22:10

Highest Channel / QPSK



Date: 12.AUG.2022 03:25:43



Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0016	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0015	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0019	
-20	Normal Voltage	0.0031	
-30	Normal Voltage	0.0006	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0003	

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 41

Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	FULL RB	Result
Middle CH	4.58	6.52	8.46	8.32	PASS

