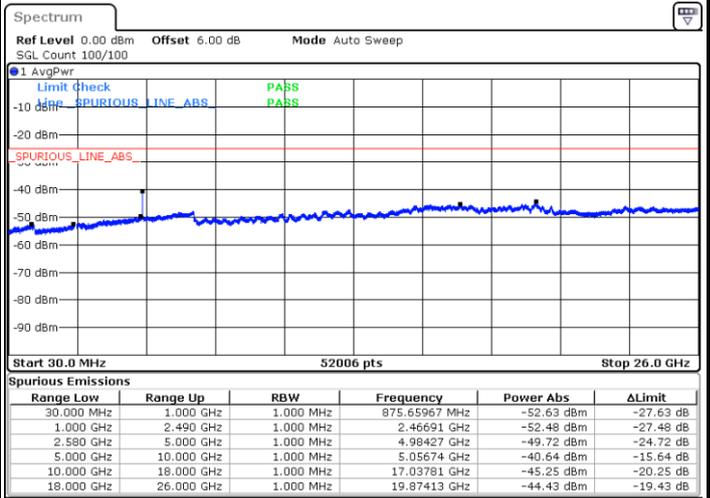
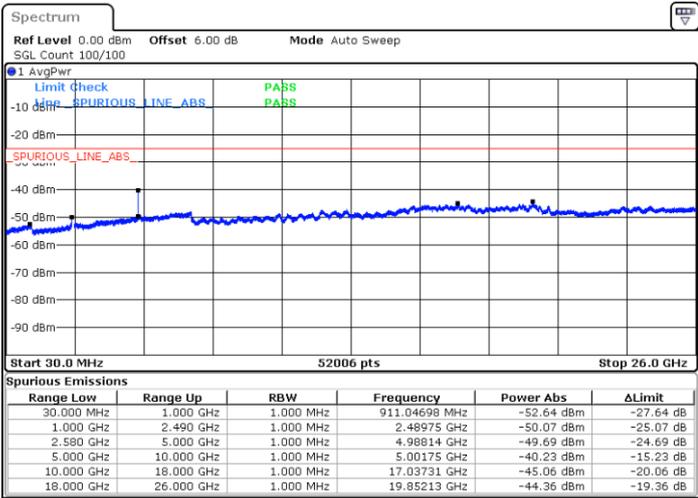




LTE Band 7 / 15MHz

Lowest Channel / QPSK

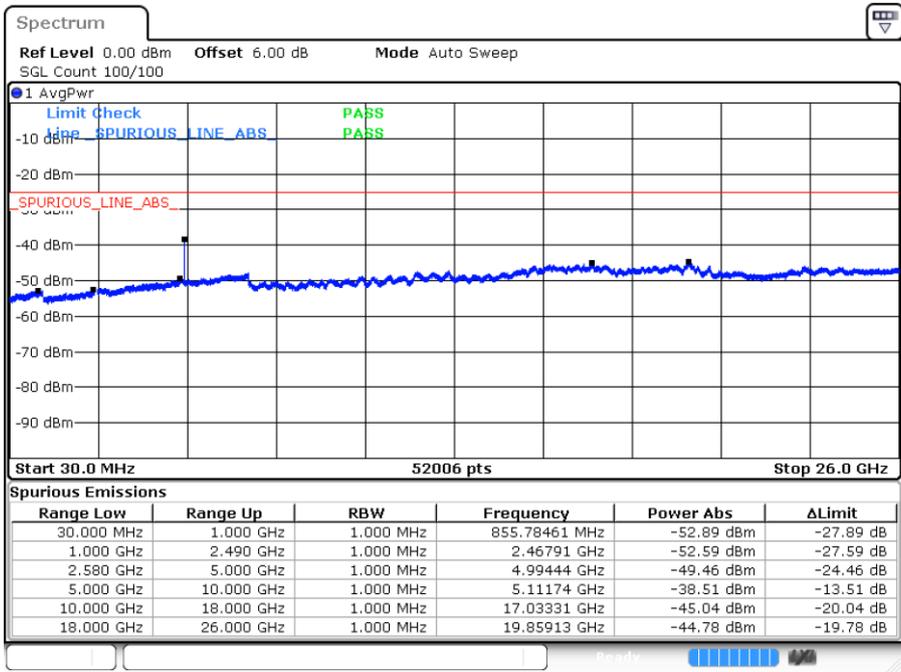
Middle Channel / QPSK



Date: 20.SEP.2022 13:13:19

Date: 20.SEP.2022 13:11:49

Highest Channel / QPSK

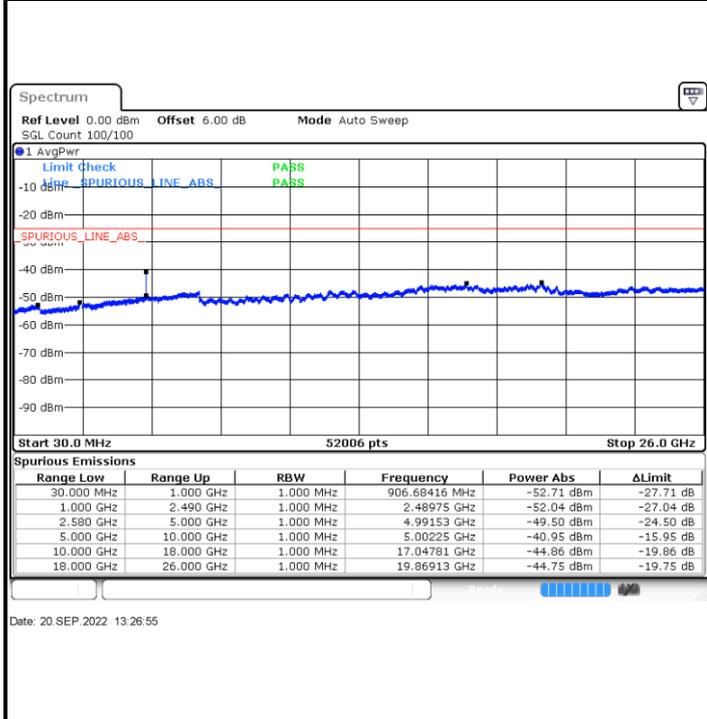


Date: 20.SEP.2022 13:21:06

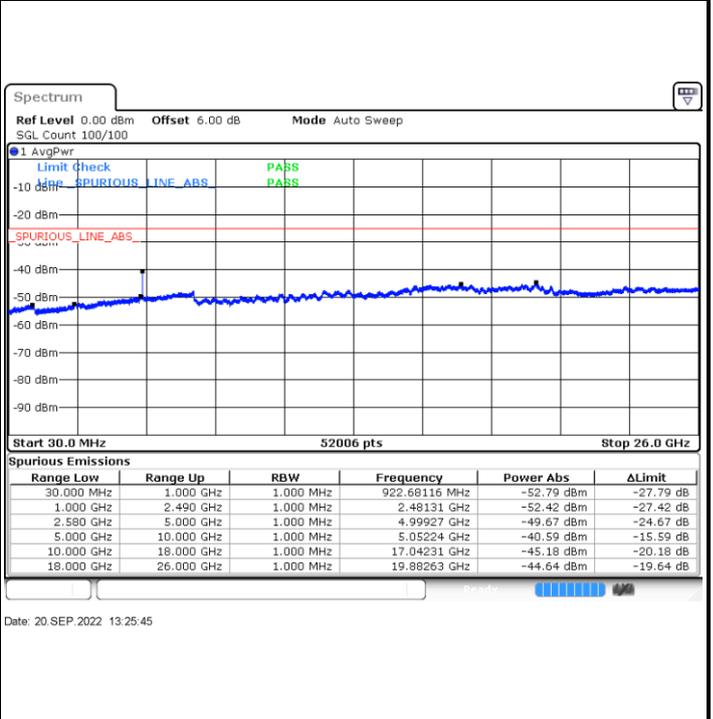


LTE Band 7 / 20MHz

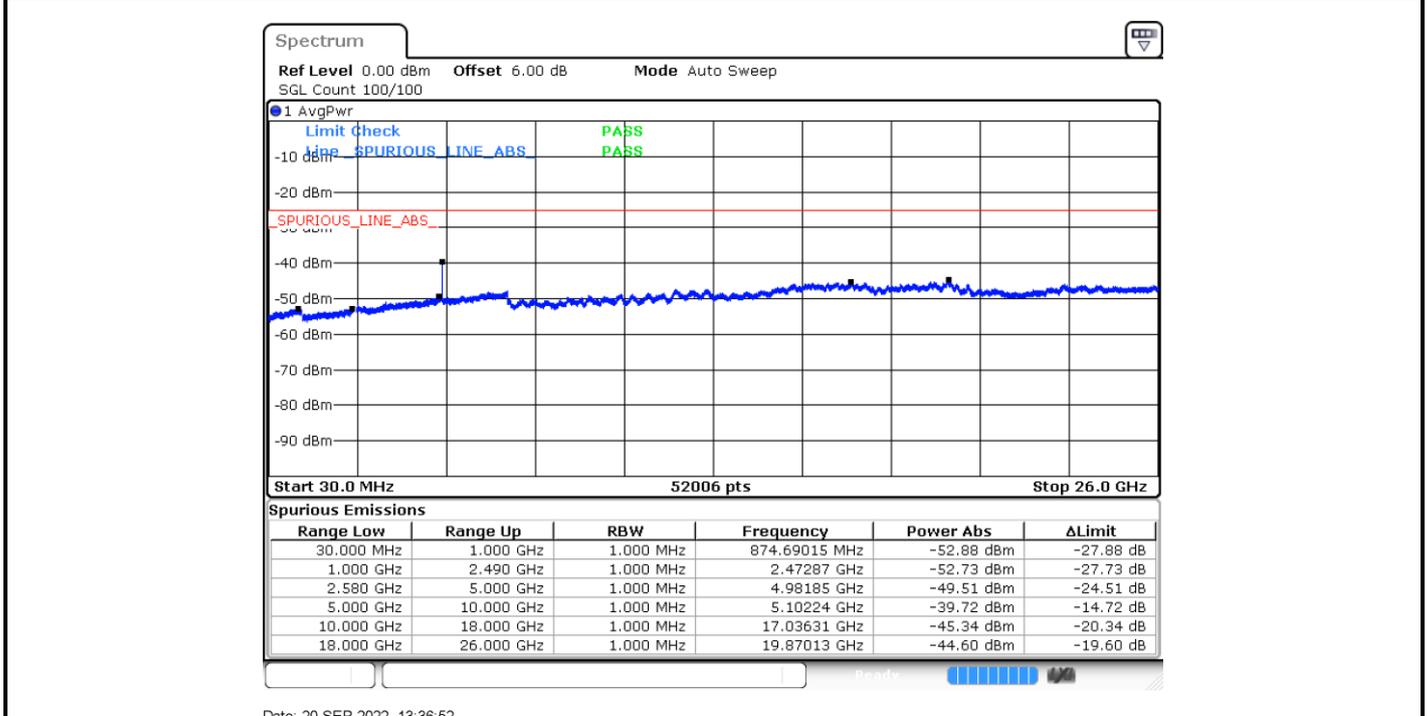
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





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	0.0021	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0018	
20(Ref.)	Normal Voltage	0.0006	
10	Normal Voltage	0.0002	
0	Normal Voltage	0.0014	
-10	Normal Voltage	0.0020	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0007	
20	Maximum Voltage	0.0019	
20	Normal Voltage	0.0030	
20	Battery End Point	0.0009	

Note:

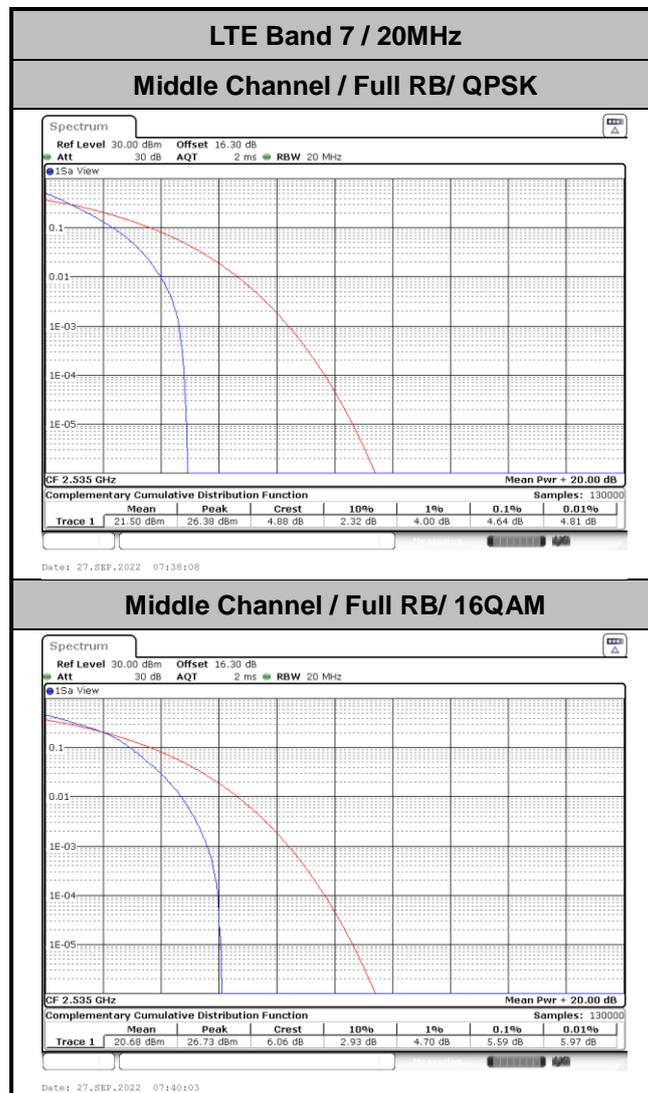
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

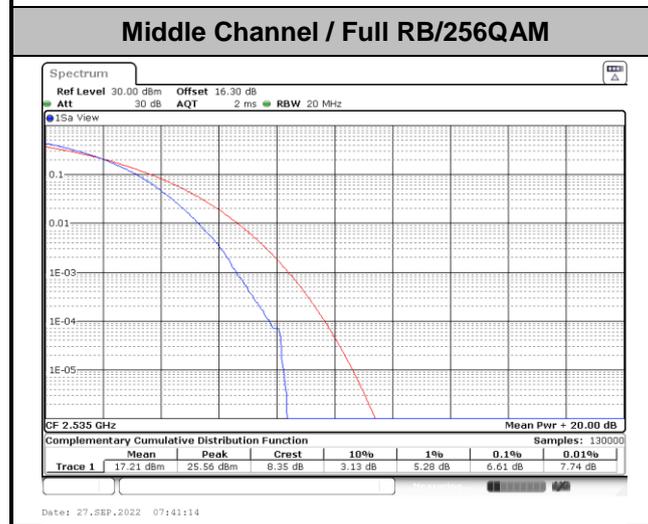
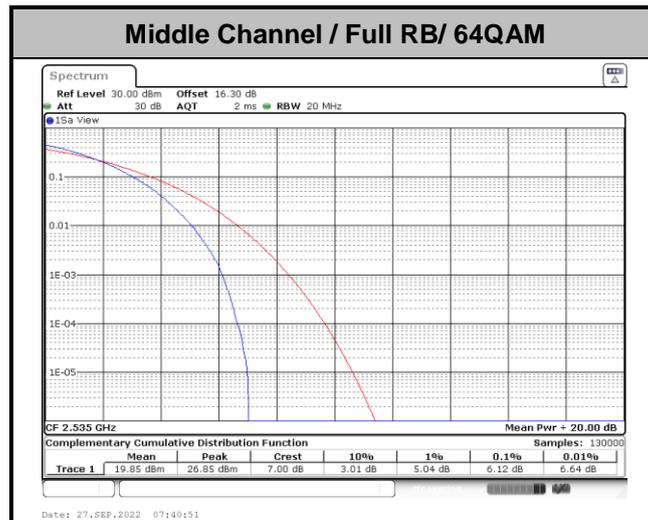


LTE Band 7(PA2 EN-DC 7A-n5A)

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.64	5.59	6.12	6.61	PASS

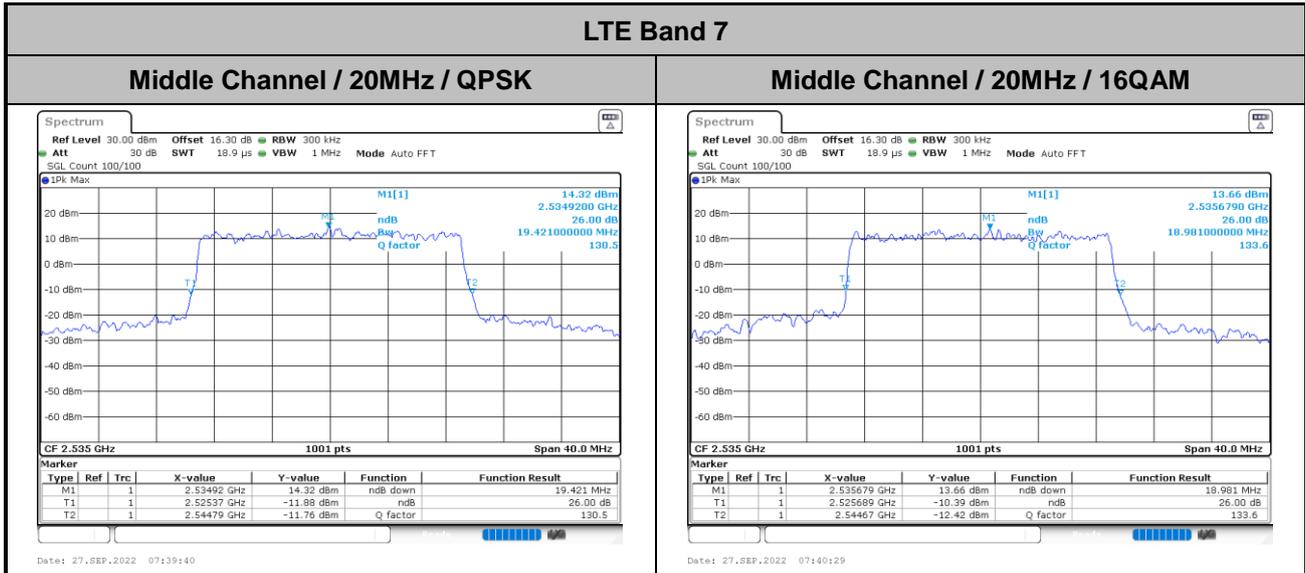






26dB Bandwidth

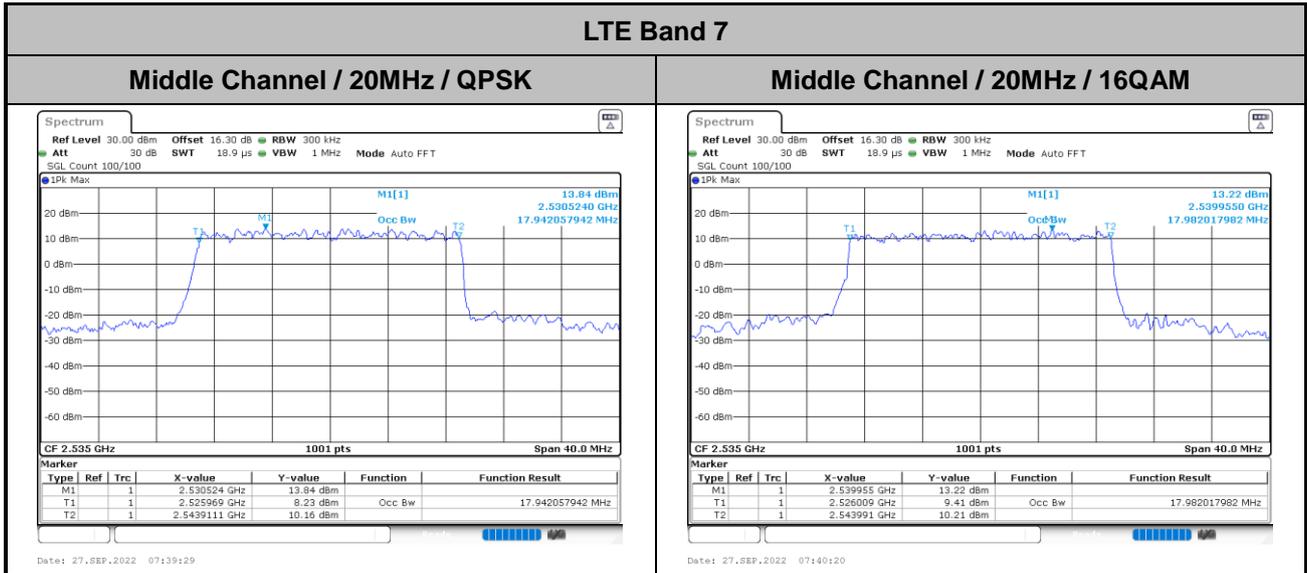
Mode	LTE Band 7 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	19.42	18.98





Occupied Bandwidth

Mode	LTE Band 7 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.98

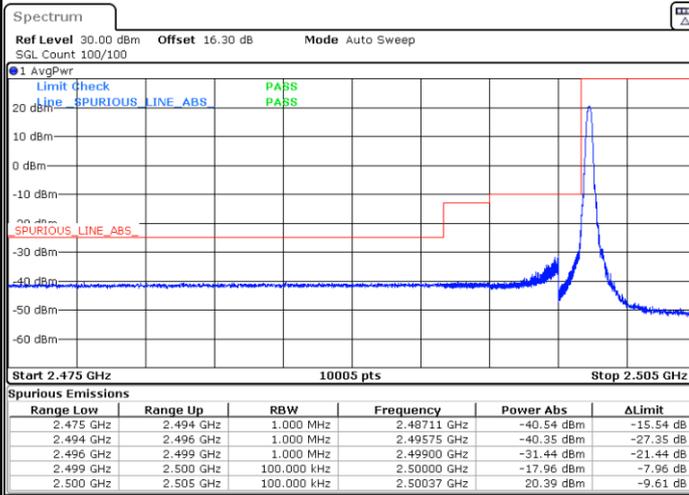




Conducted Band Edge

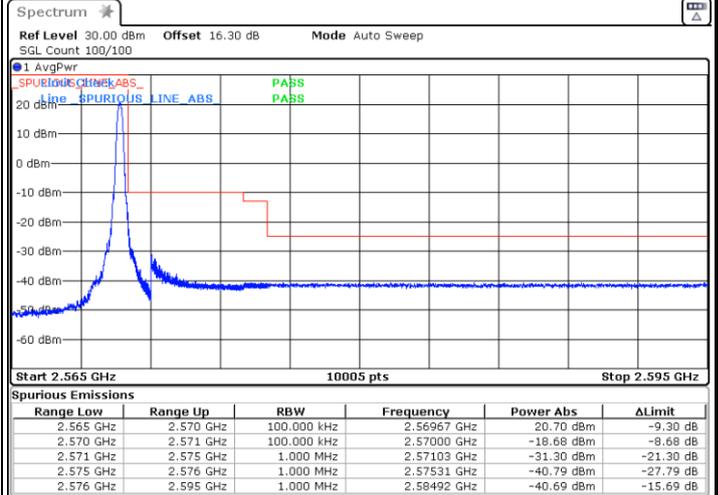
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



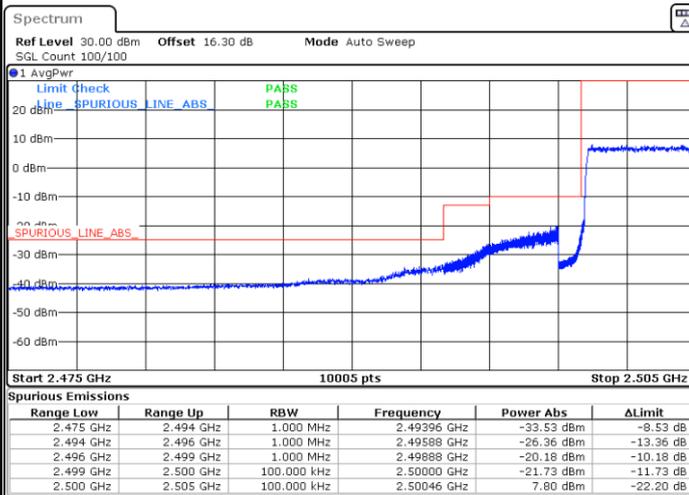
Date: 27_SEP.2022 08:38:14

Highest Band Edge / 1 RB



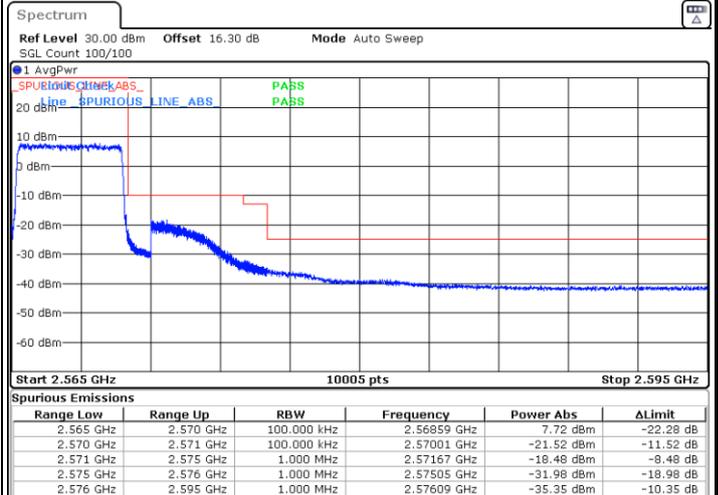
Date: 27_SEP.2022 08:42:55

Lowest Band Edge / Full RB



Date: 27_SEP.2022 08:41:05

Highest Band Edge / Full RB

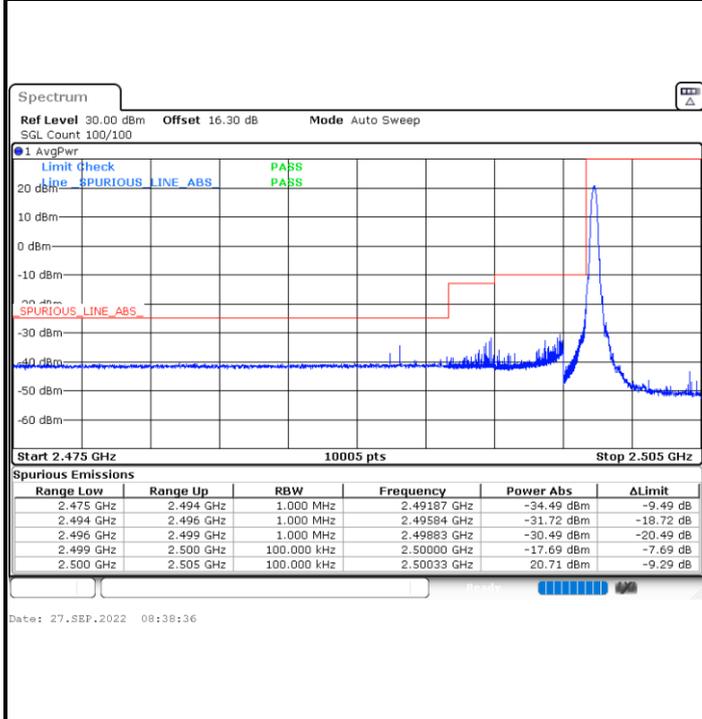


Date: 27_SEP.2022 08:46:00

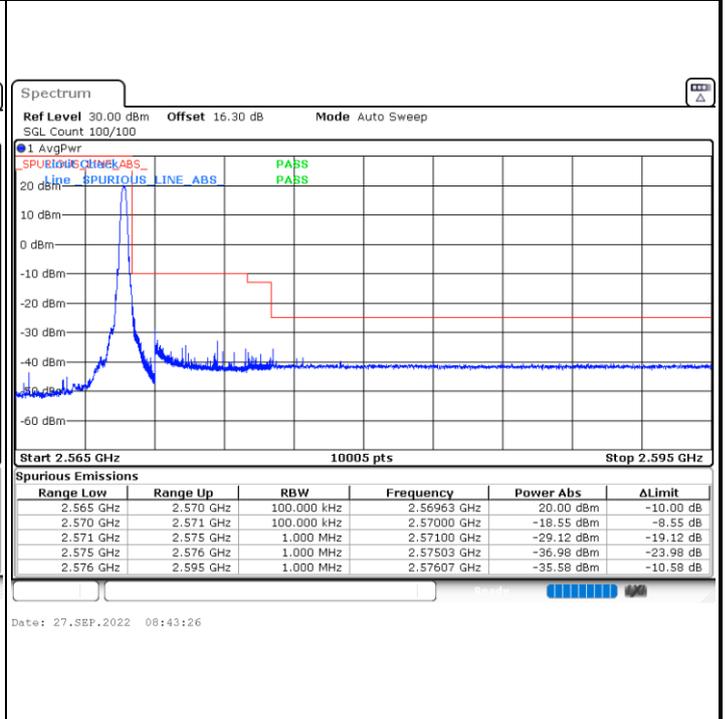


LTE Band 7 / 5MHz / 16QAM

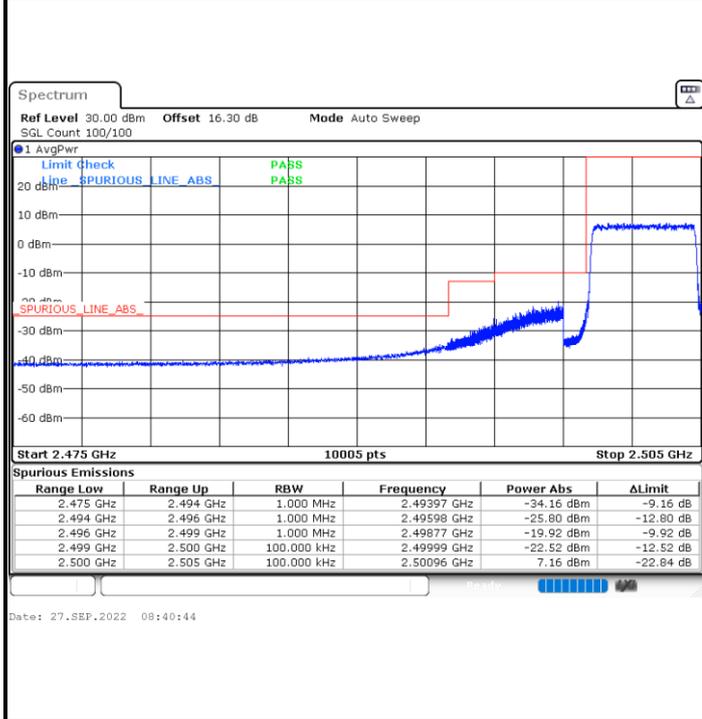
Lowest Band Edge / 1RB



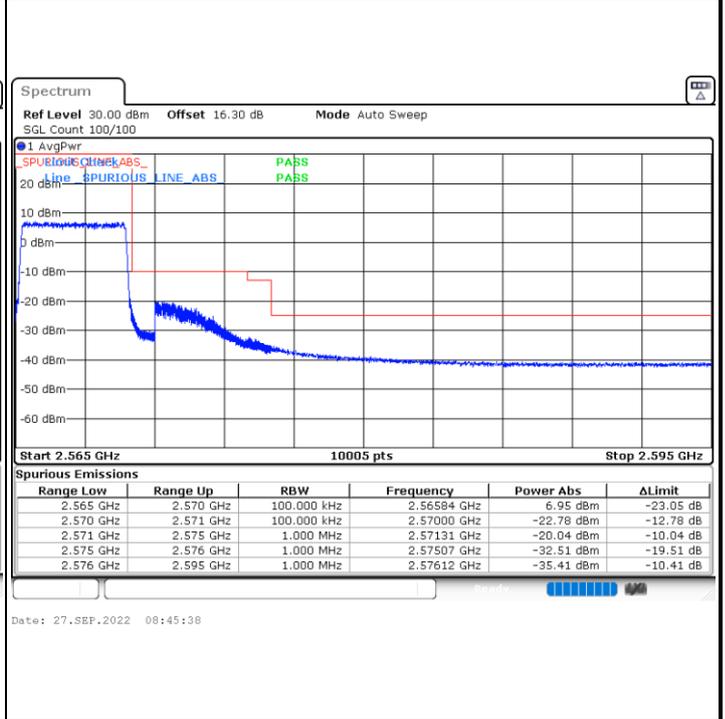
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



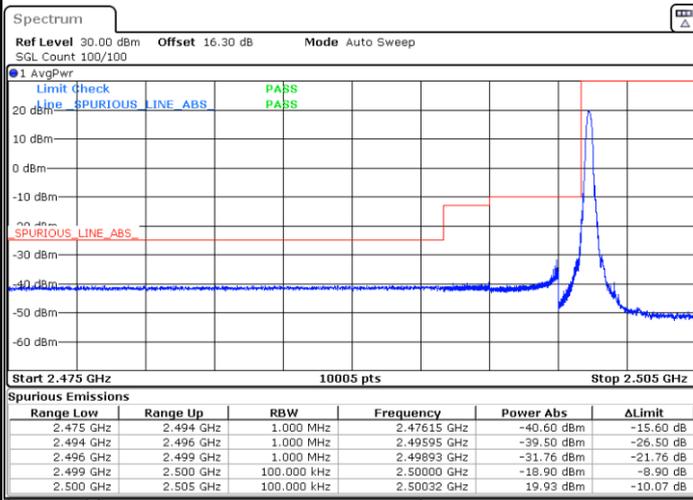
Highest Band Edge / Full RB





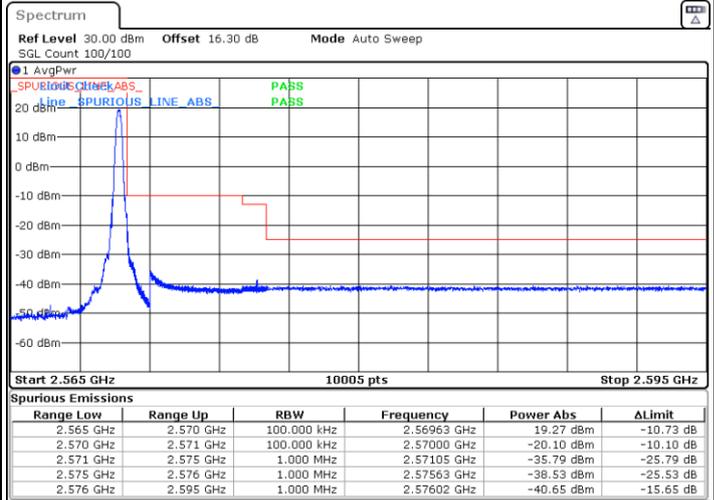
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



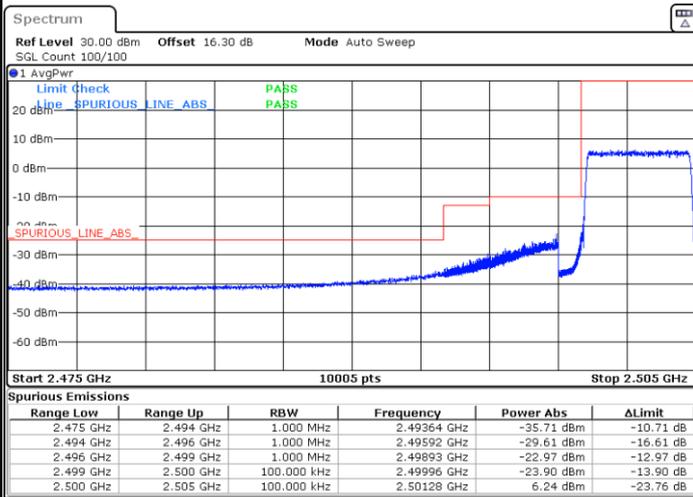
Date: 27.SEP.2022 08:38:55

Highest Band Edge / 1 RB



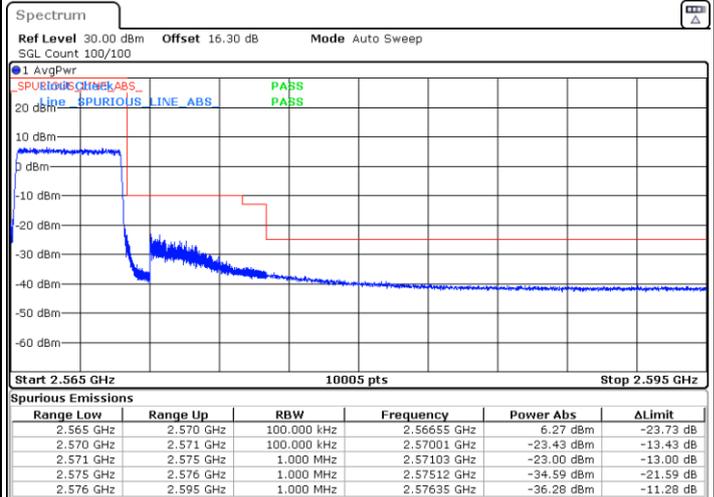
Date: 27.SEP.2022 08:43:48

Lowest Band Edge / Full RB



Date: 27.SEP.2022 08:40:17

Highest Band Edge / Full RB

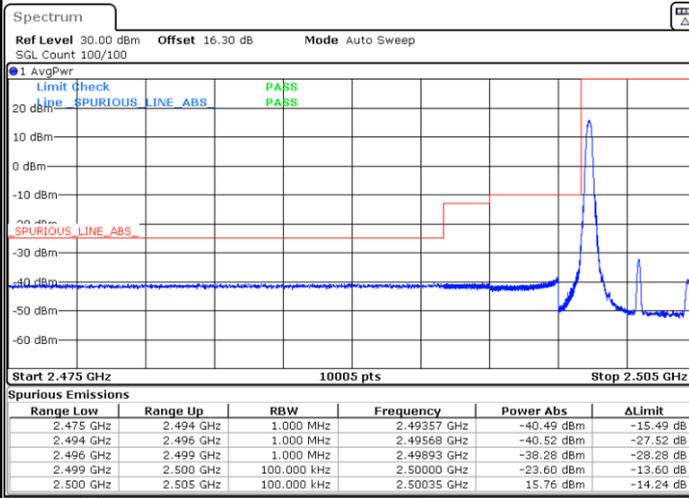


Date: 27.SEP.2022 08:45:17



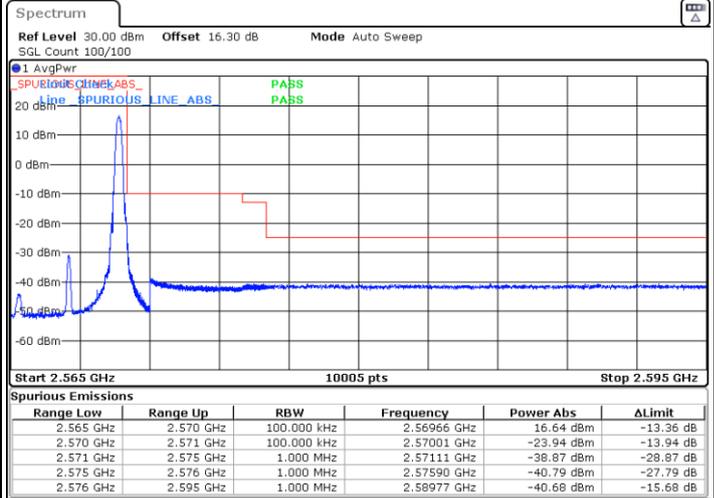
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB



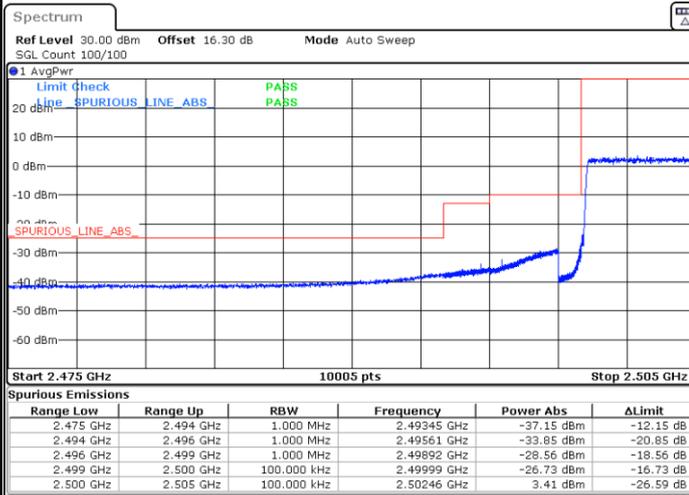
Date: 27.SEP.2022 08:39:19

Highest Band Edge / 1 RB



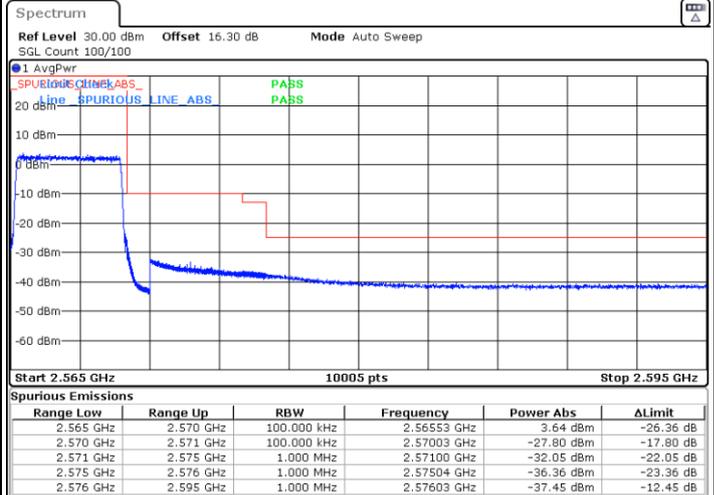
Date: 27.SEP.2022 08:44:19

Lowest Band Edge / Full RB



Date: 27.SEP.2022 08:39:53

Highest Band Edge / Full RB



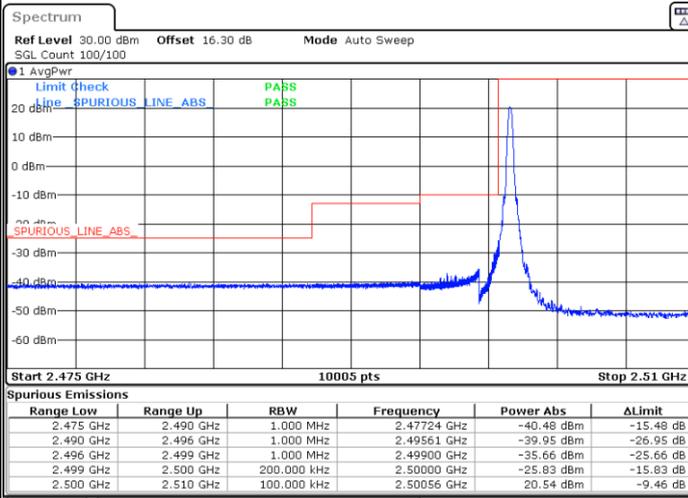
Date: 27.SEP.2022 08:44:49



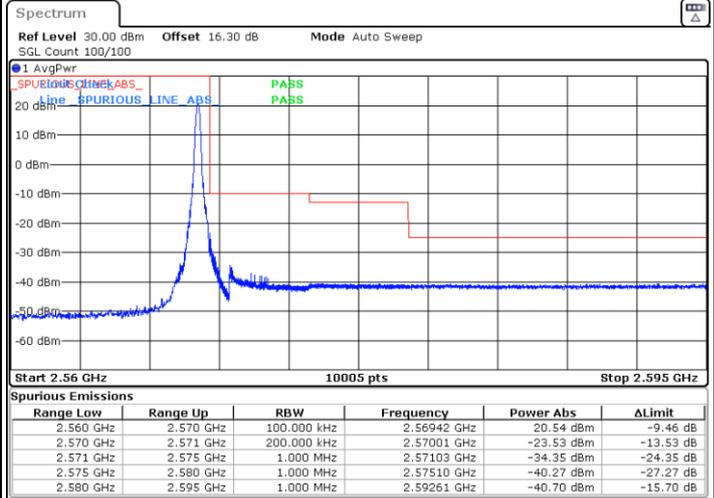
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



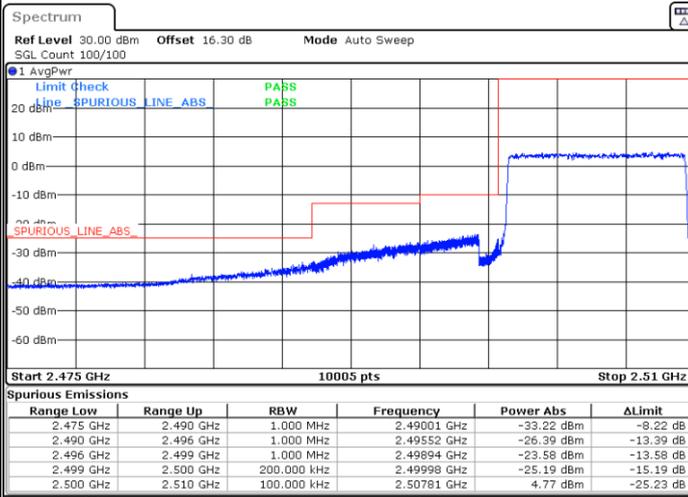
Date: 27.SEP.2022 08:19:56



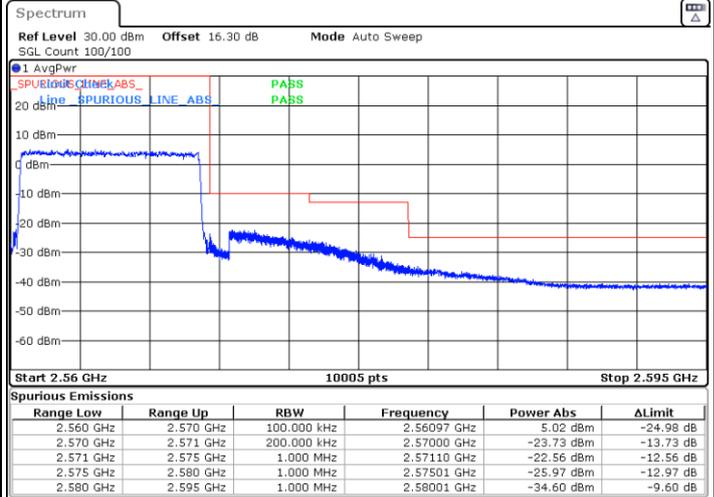
Date: 27.SEP.2022 08:31:31

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.SEP.2022 08:26:36



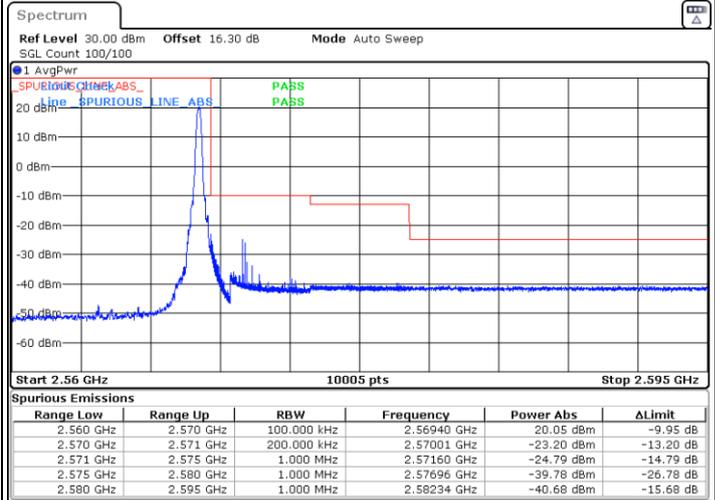
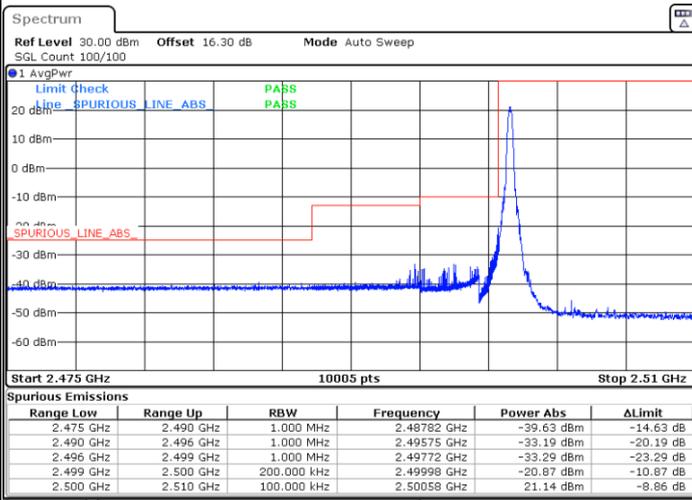
Date: 27.SEP.2022 08:27:36



LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

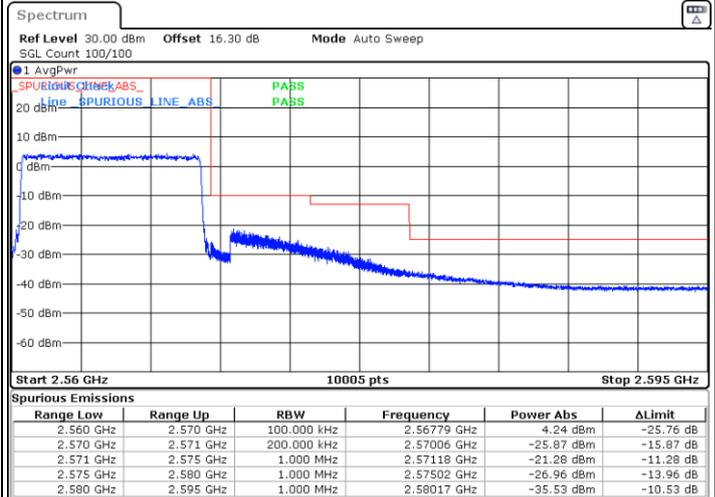
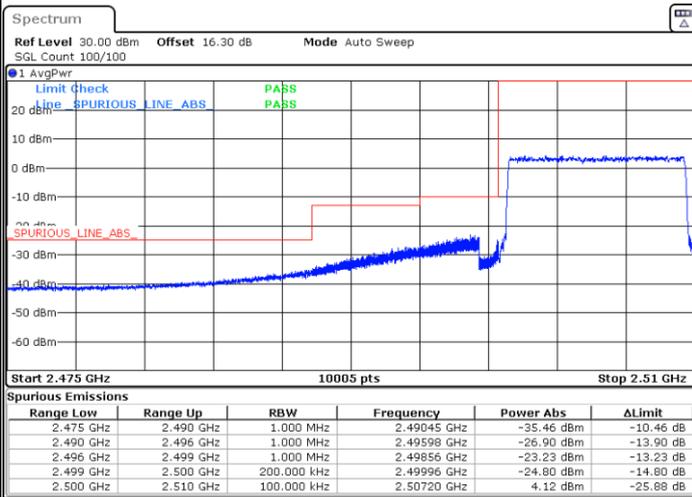


Date: 27.SEP.2022 08:20:15

Date: 27.SEP.2022 08:31:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 27.SEP.2022 08:26:12

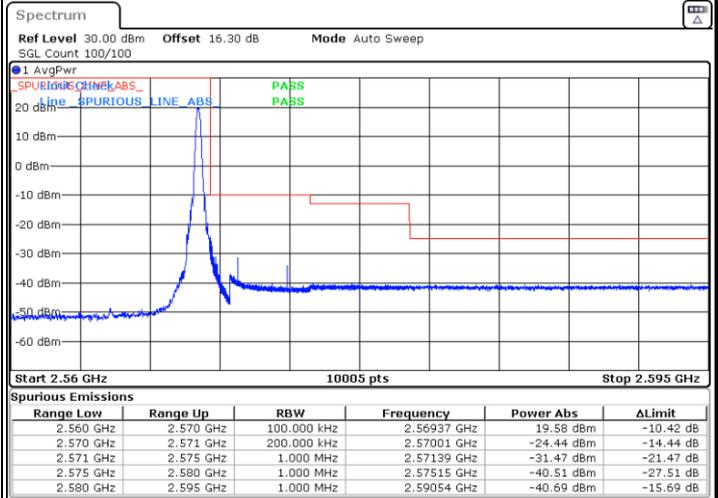
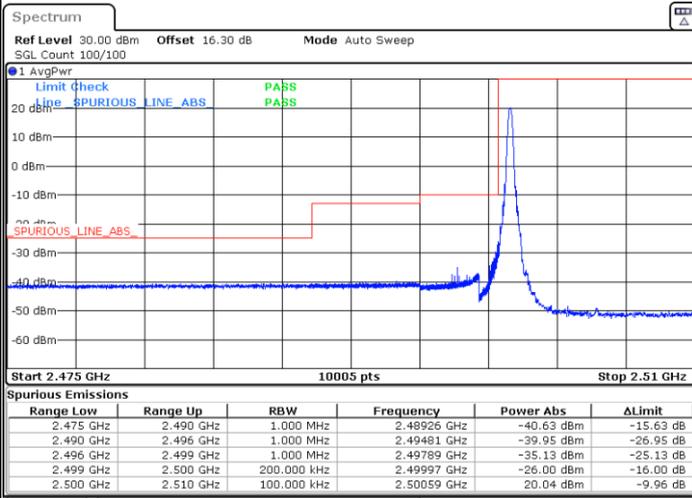
Date: 27.SEP.2022 08:27:54



LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

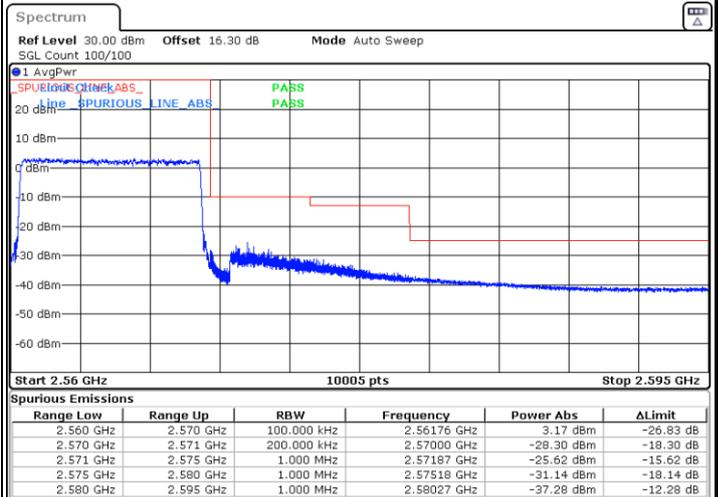
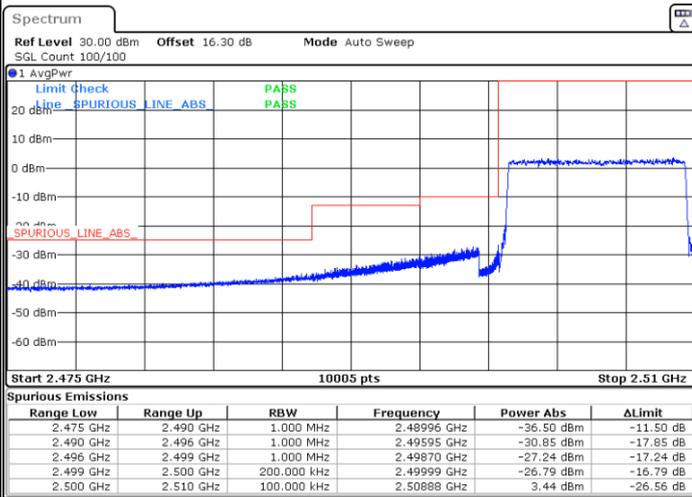


Date: 27.SEP.2022 08:20:48

Date: 27.SEP.2022 08:30:46

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



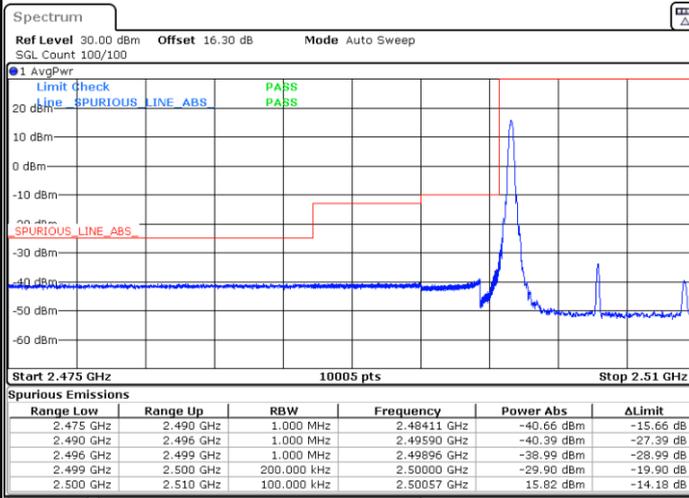
Date: 27.SEP.2022 08:25:47

Date: 27.SEP.2022 08:28:14



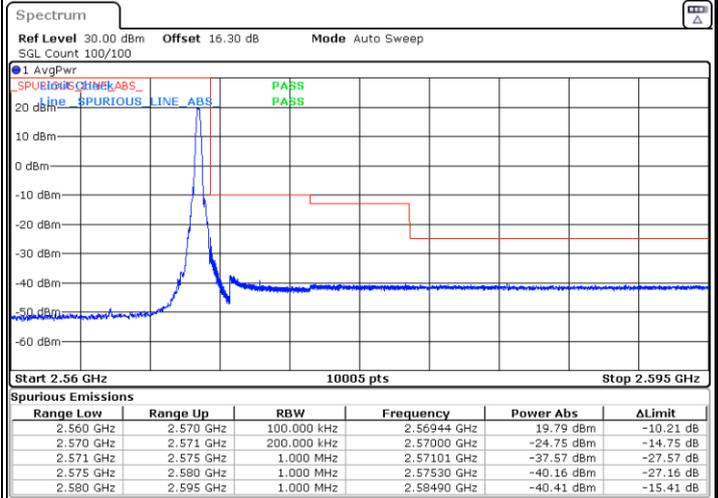
LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / 1RB



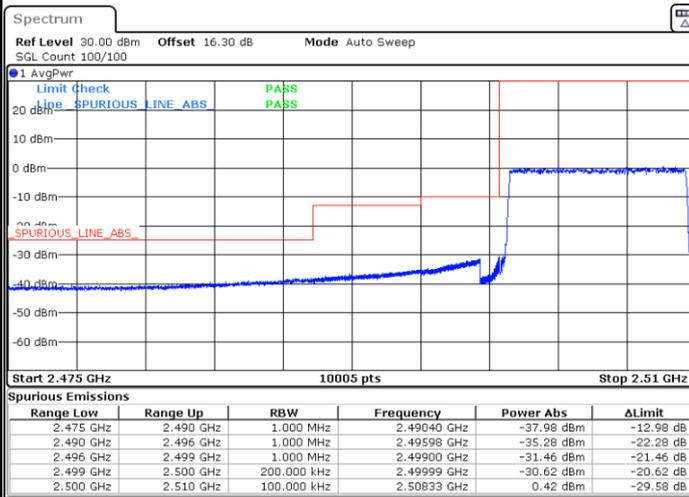
Date: 27.SEP.2022 08:24:52

Highest Band Edge / 1 RB



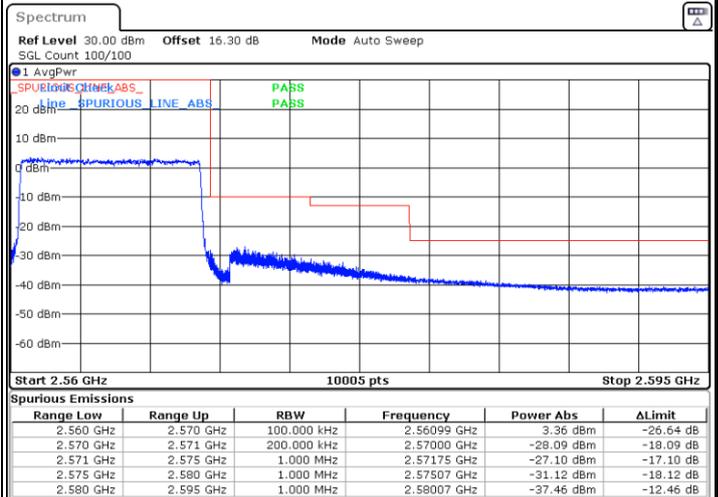
Date: 27.SEP.2022 08:29:21

Lowest Band Edge / Full RB



Date: 27.SEP.2022 08:25:20

Highest Band Edge / Full RB

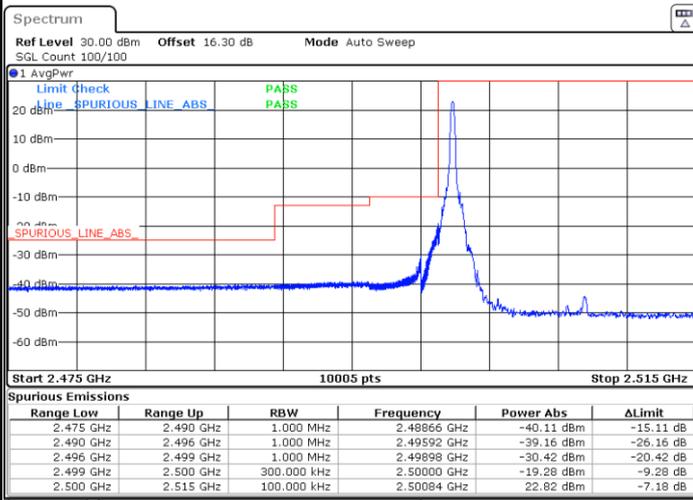


Date: 27.SEP.2022 08:28:34



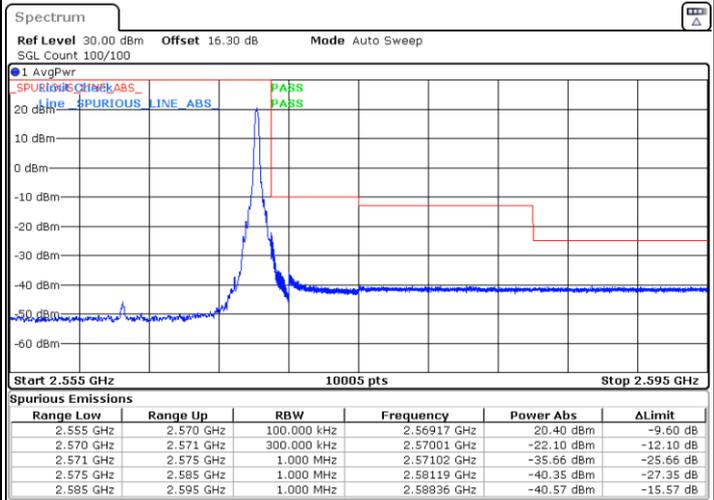
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / 1 RB



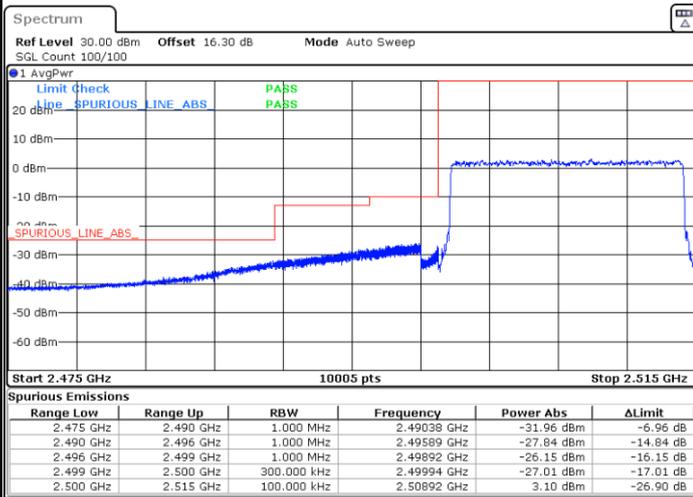
Date: 27.SEP.2022 08:01:02

Highest Band Edge / 1 RB



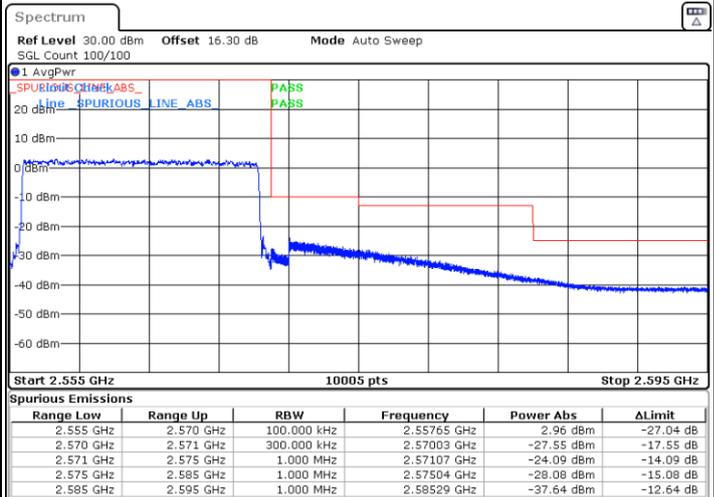
Date: 27.SEP.2022 08:12:26

Lowest Band Edge / Full RB



Date: 27.SEP.2022 08:10:20

Highest Band Edge / Full RB

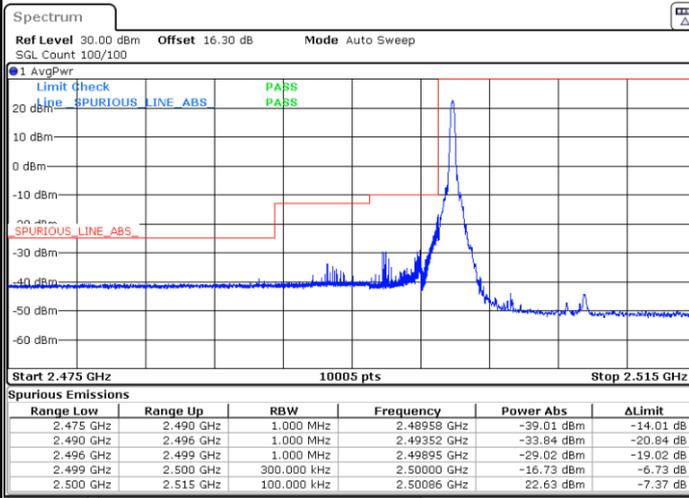


Date: 27.SEP.2022 08:16:48



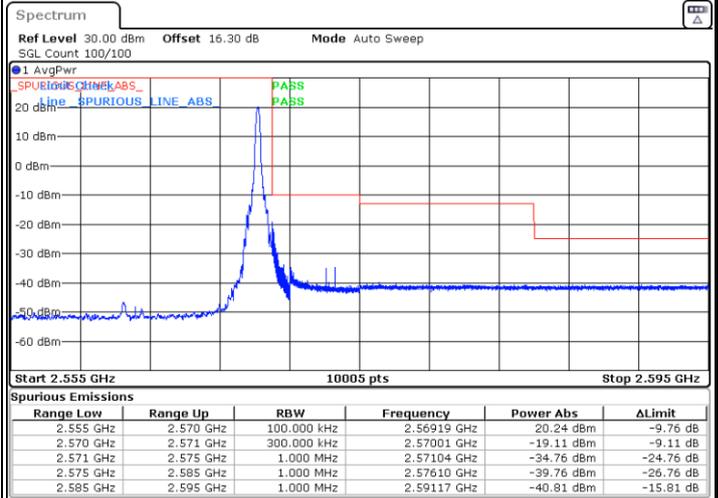
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



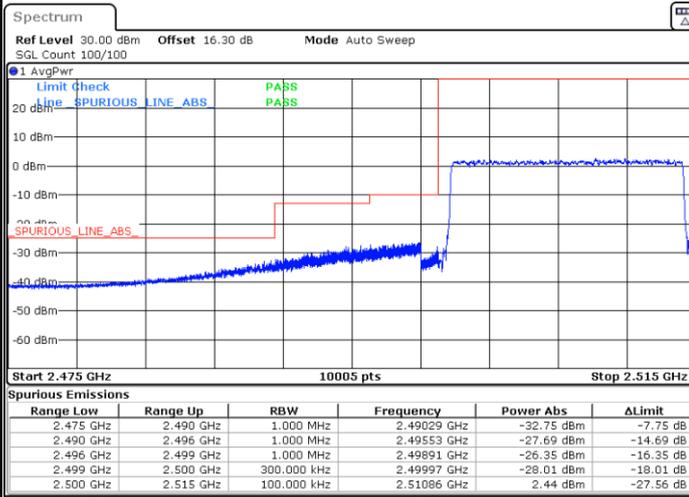
Date: 27.SEP.2022 08:01:22

Highest Band Edge / 1 RB



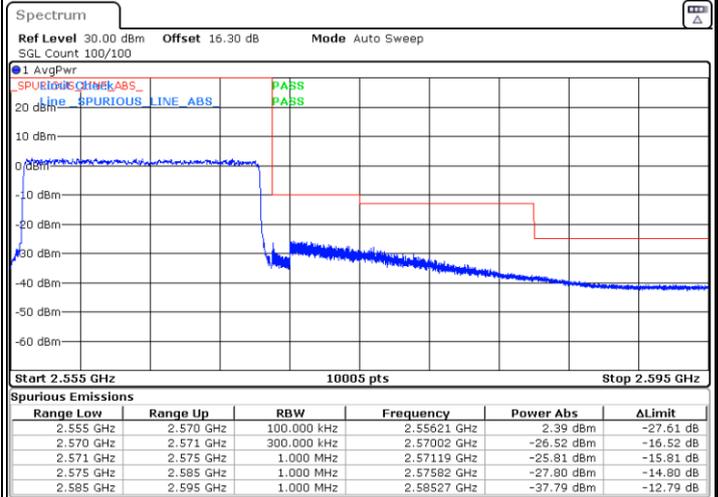
Date: 27.SEP.2022 08:12:55

Lowest Band Edge / Full RB



Date: 27.SEP.2022 08:09:43

Highest Band Edge / Full RB

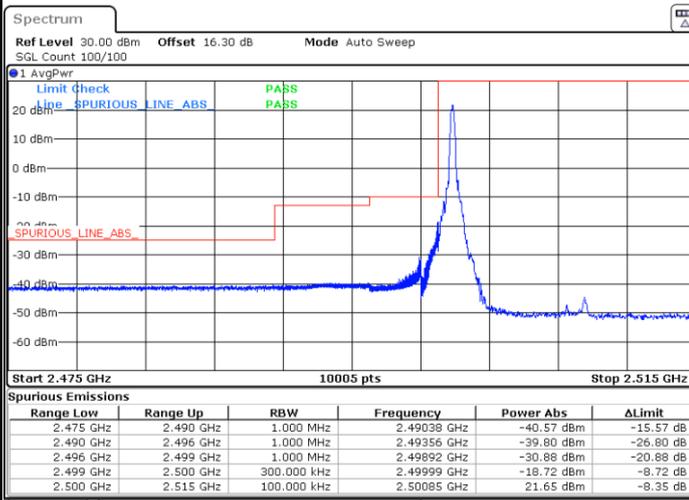


Date: 27.SEP.2022 08:16:19



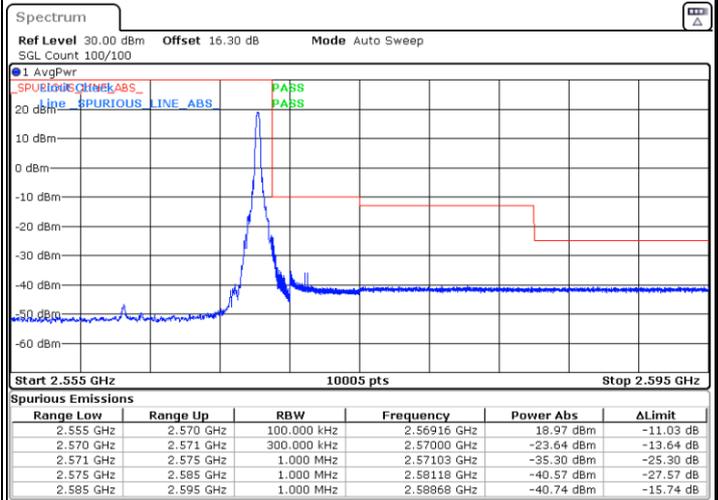
LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



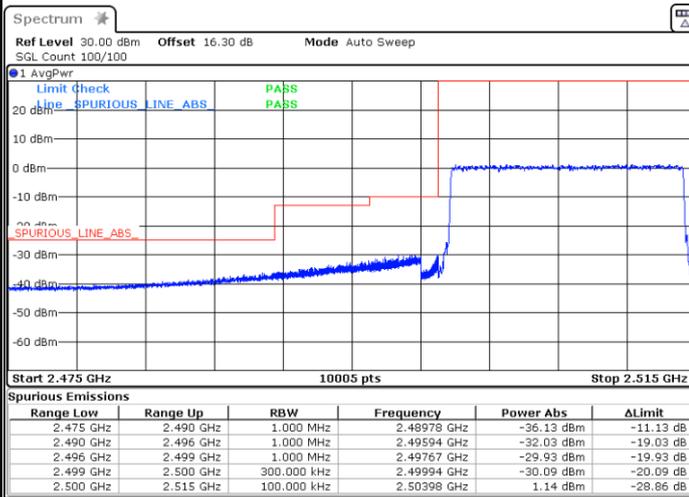
Date: 27.SEP.2022 08:07:46

Highest Band Edge / 1 RB



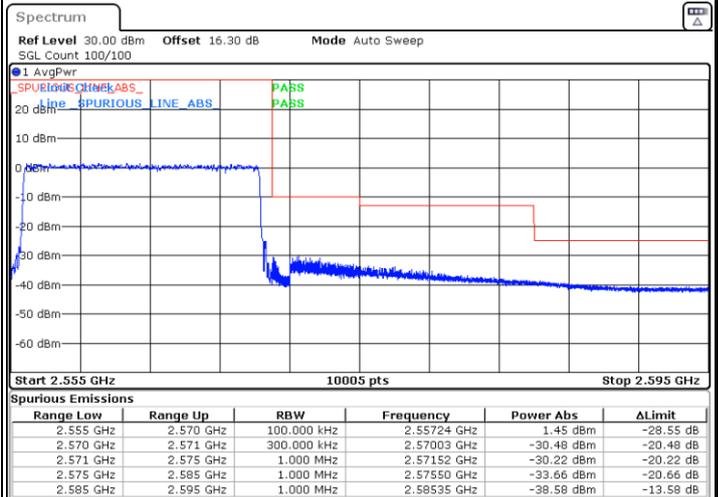
Date: 27.SEP.2022 08:13:28

Lowest Band Edge / Full RB



Date: 27.SEP.2022 08:09:22

Highest Band Edge / Full RB

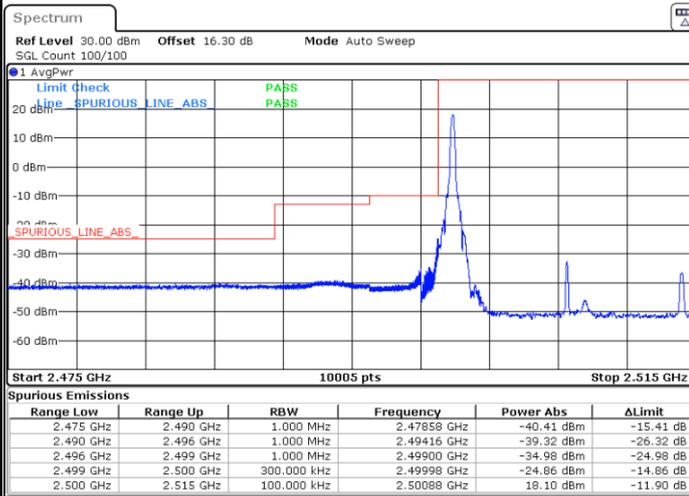


Date: 27.SEP.2022 08:15:34

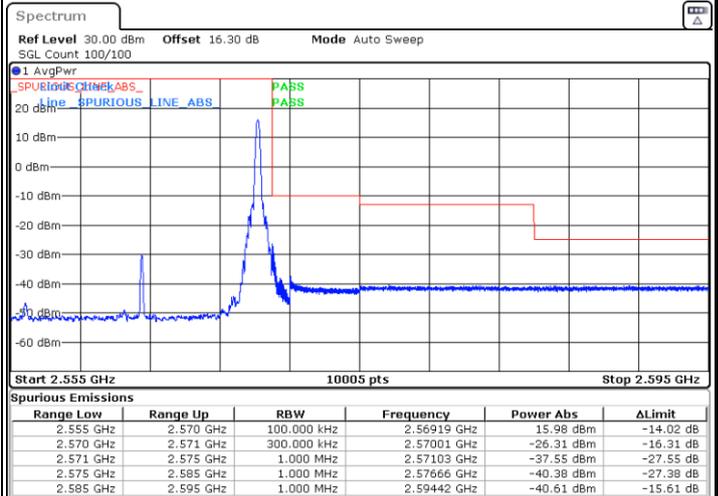


LTE Band 7 / 15MHz / 256QAM

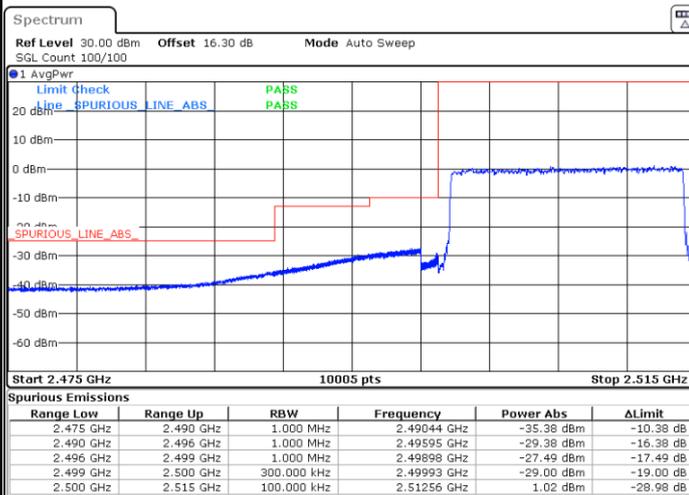
Lowest Band Edge / 1RB



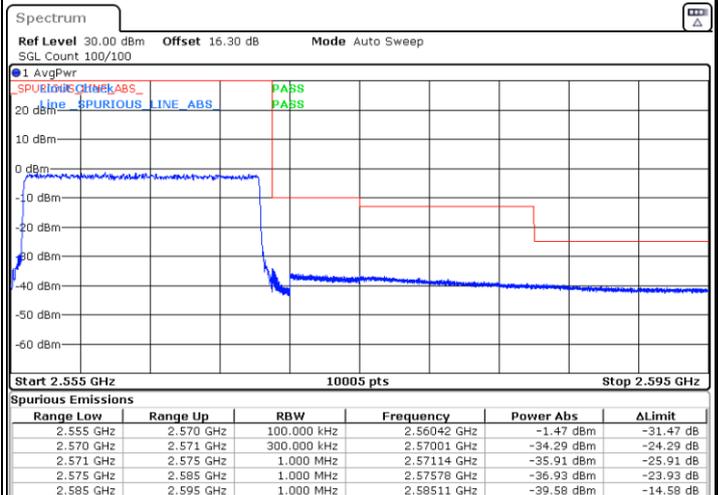
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



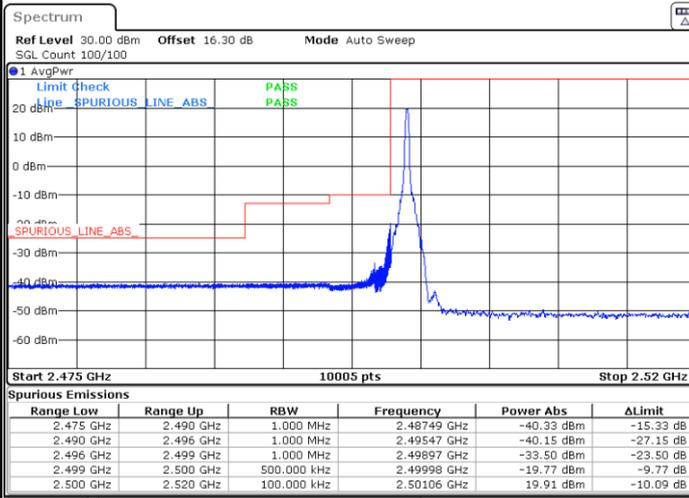
Highest Band Edge / Full RB





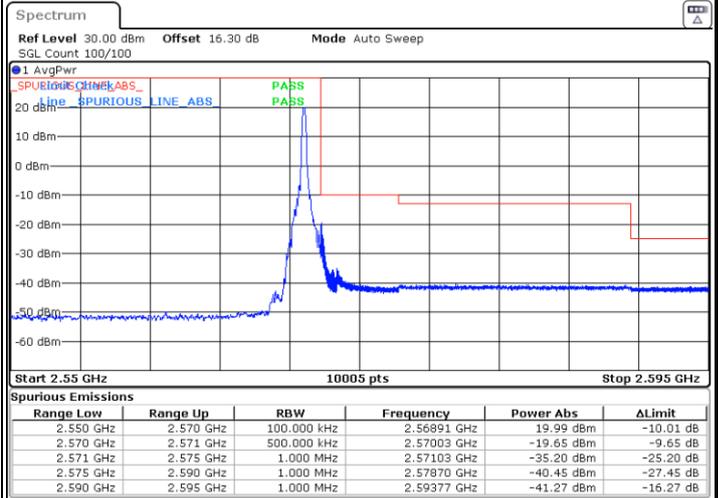
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / 1 RB



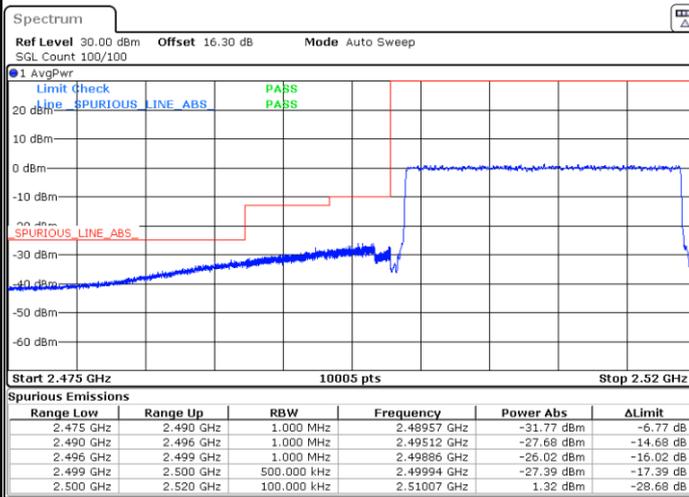
Date: 27.SEP.2022 07:43:58

Highest Band Edge / 1 RB



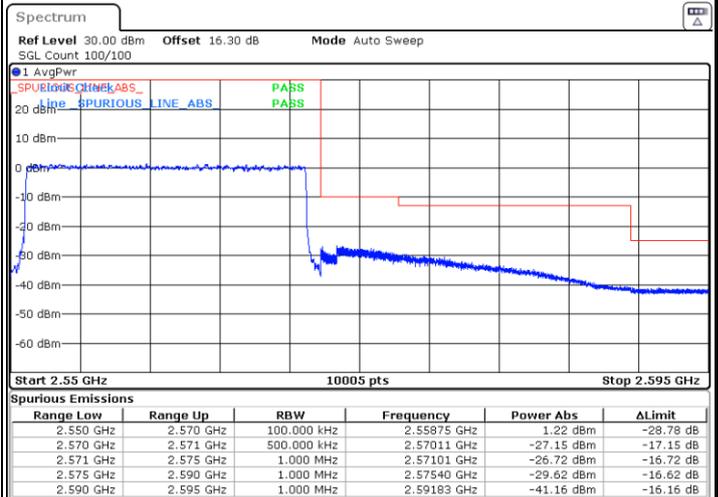
Date: 27.SEP.2022 07:53:00

Lowest Band Edge / Full RB



Date: 27.SEP.2022 07:43:37

Highest Band Edge / Full RB

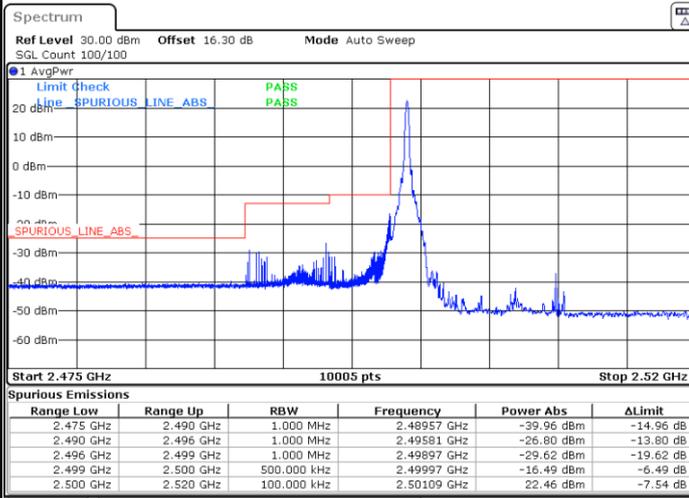


Date: 27.SEP.2022 07:52:35



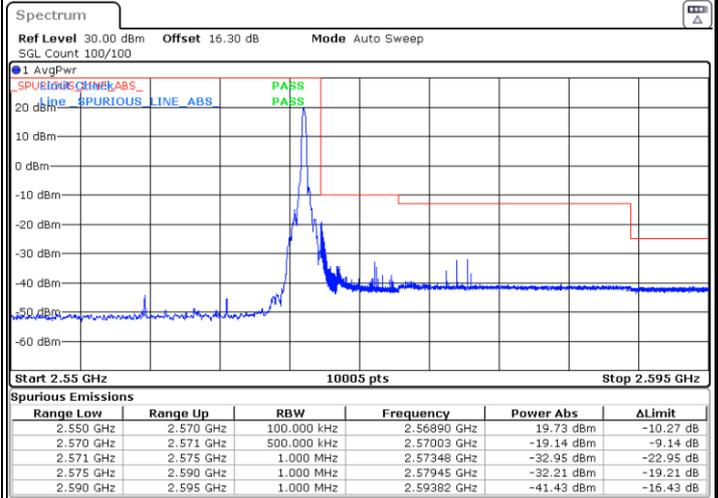
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



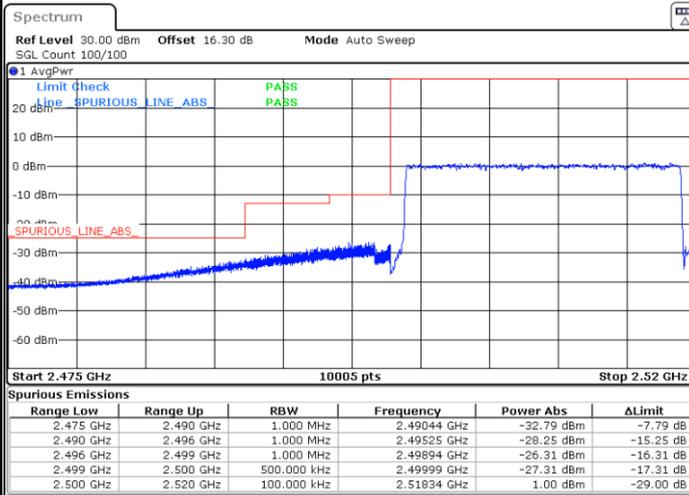
Date: 27.SEP.2022 07:48:51

Highest Band Edge / 1 RB



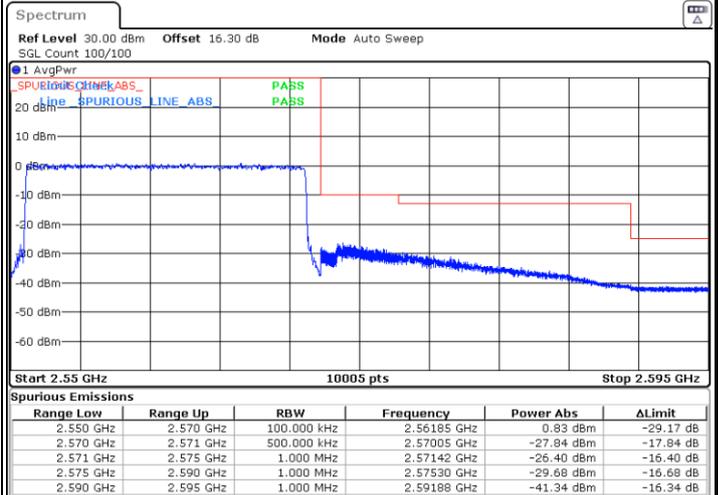
Date: 27.SEP.2022 07:53:32

Lowest Band Edge / Full RB



Date: 27.SEP.2022 07:43:21

Highest Band Edge / Full RB

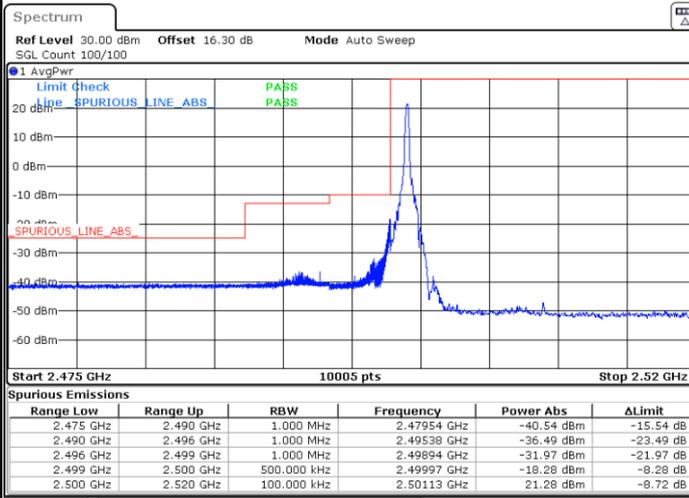


Date: 27.SEP.2022 07:52:01



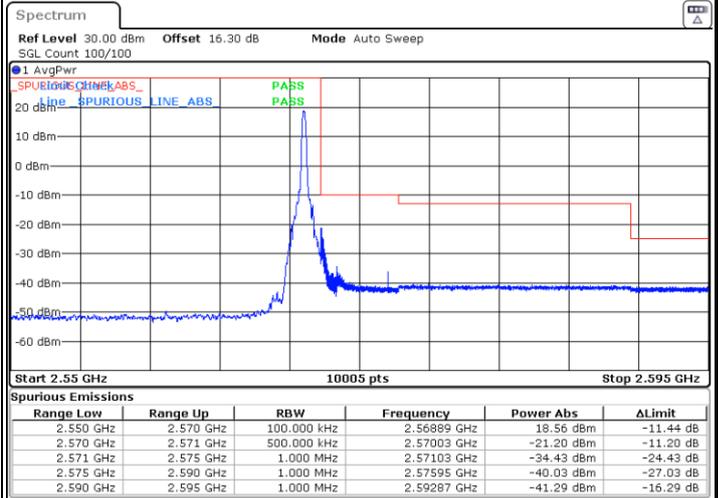
LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



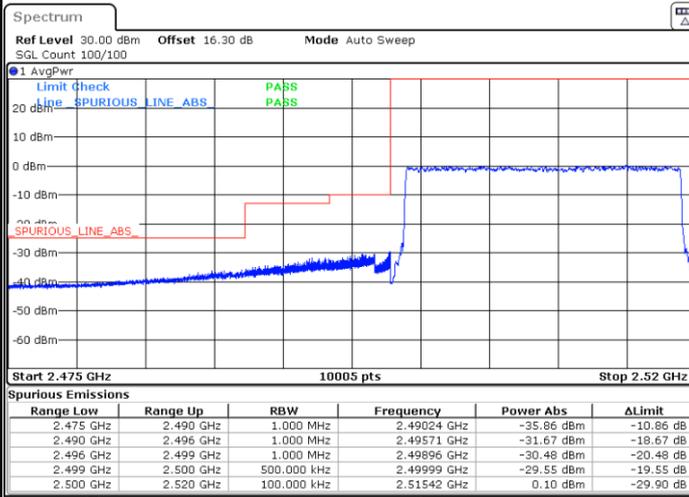
Date: 27.SEP.2022 07:49:24

Highest Band Edge / 1 RB



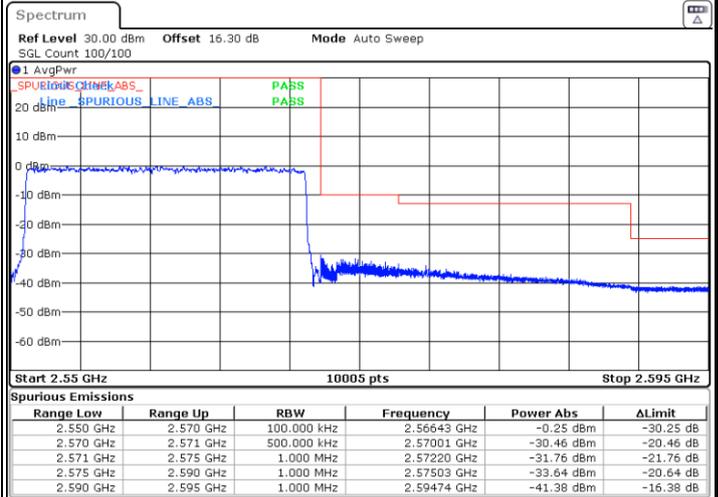
Date: 27.SEP.2022 07:53:51

Lowest Band Edge / Full RB



Date: 27.SEP.2022 07:42:48

Highest Band Edge / Full RB

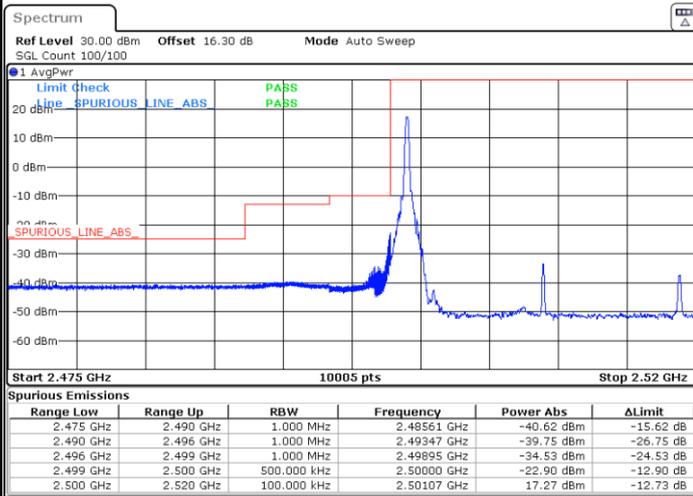


Date: 27.SEP.2022 07:51:44



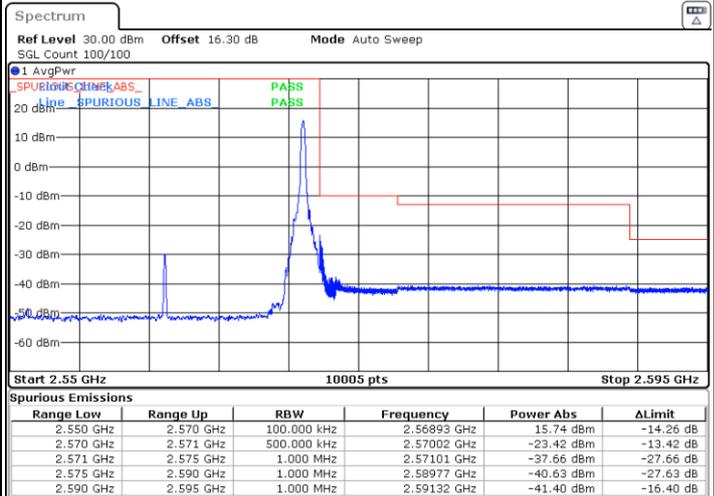
LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / 1RB



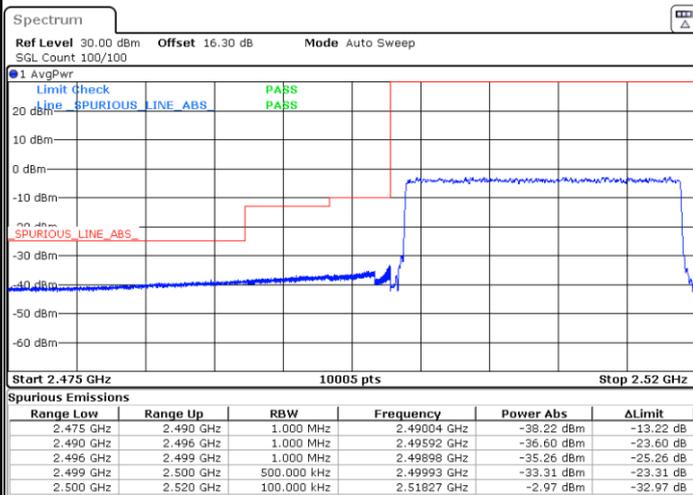
Date: 27.SEP.2022 07:49:53

Highest Band Edge / 1 RB



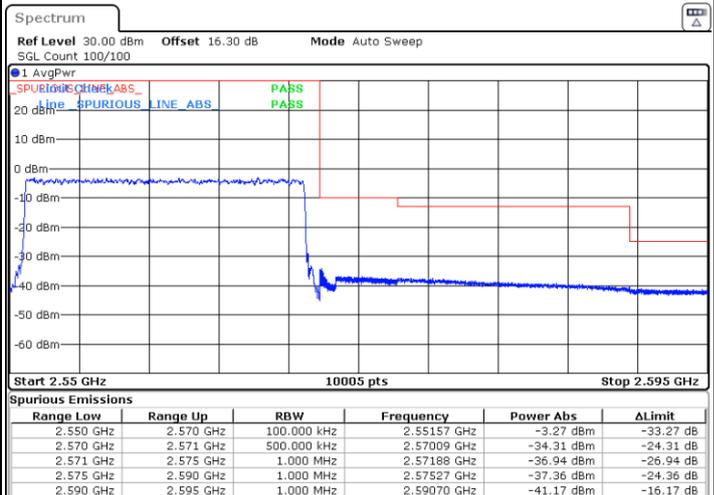
Date: 27.SEP.2022 07:54:11

Lowest Band Edge / Full RB



Date: 27.SEP.2022 07:42:27

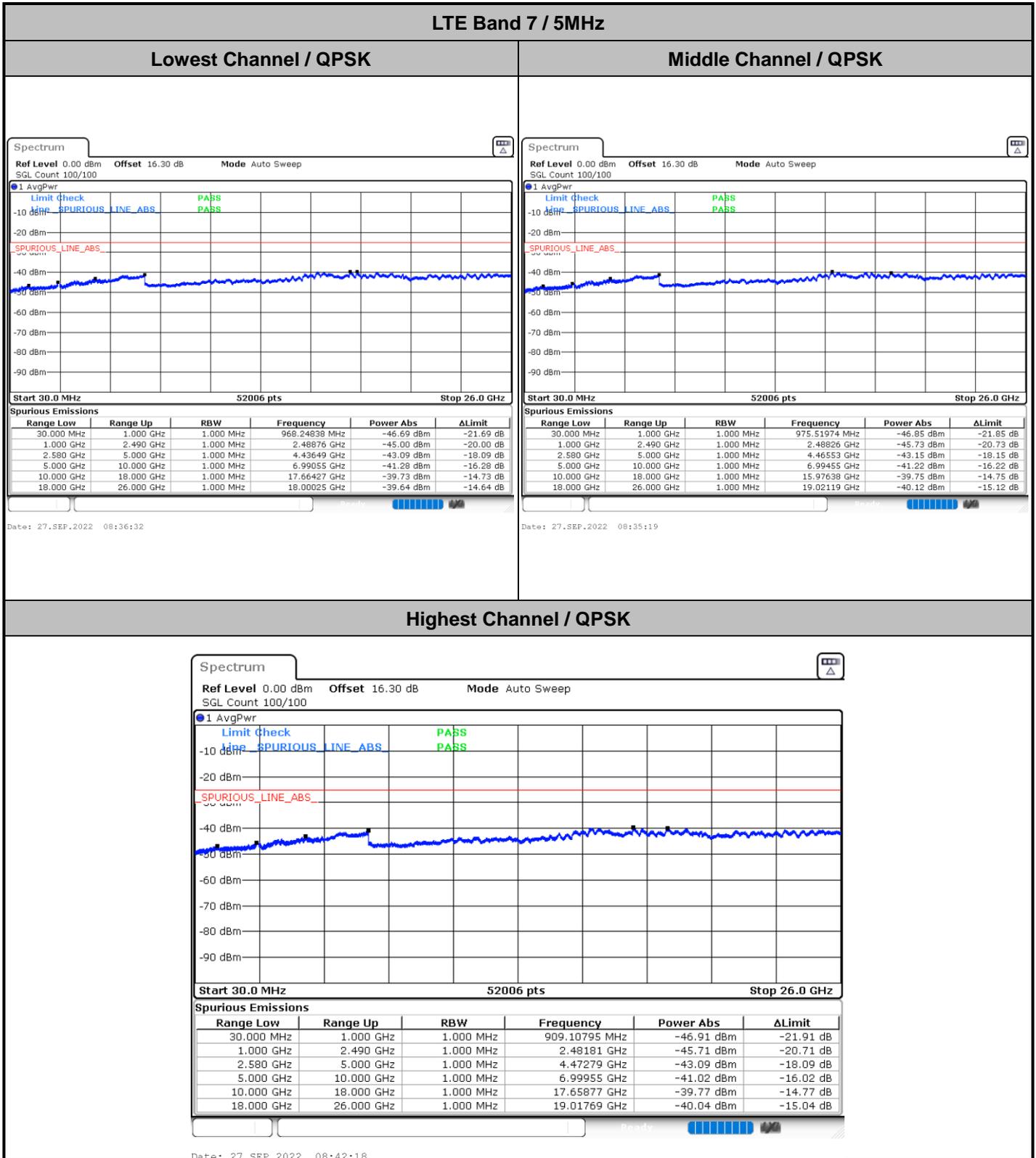
Highest Band Edge / Full RB



Date: 27.SEP.2022 07:50:42



Conducted Spurious Emission

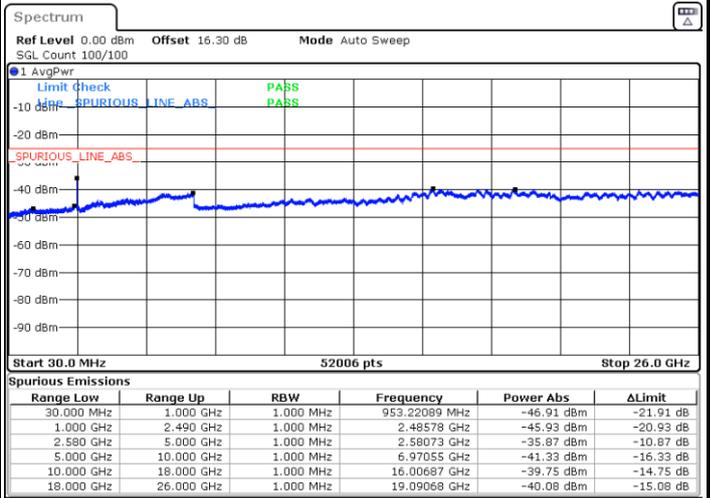
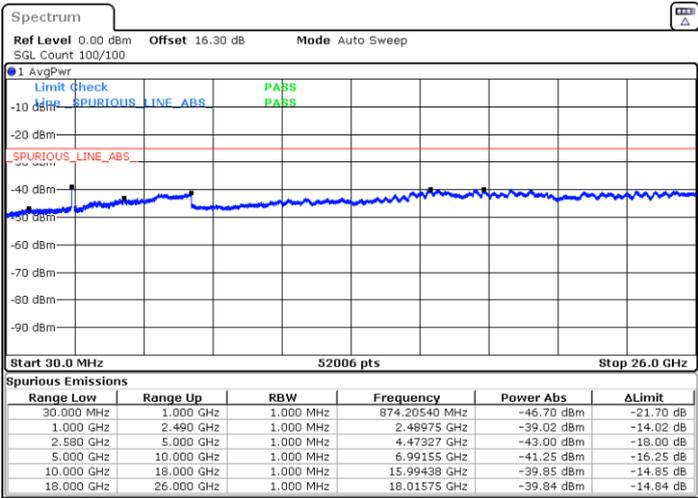




LTE Band 7 / 10MHz

Lowest Channel / QPSK

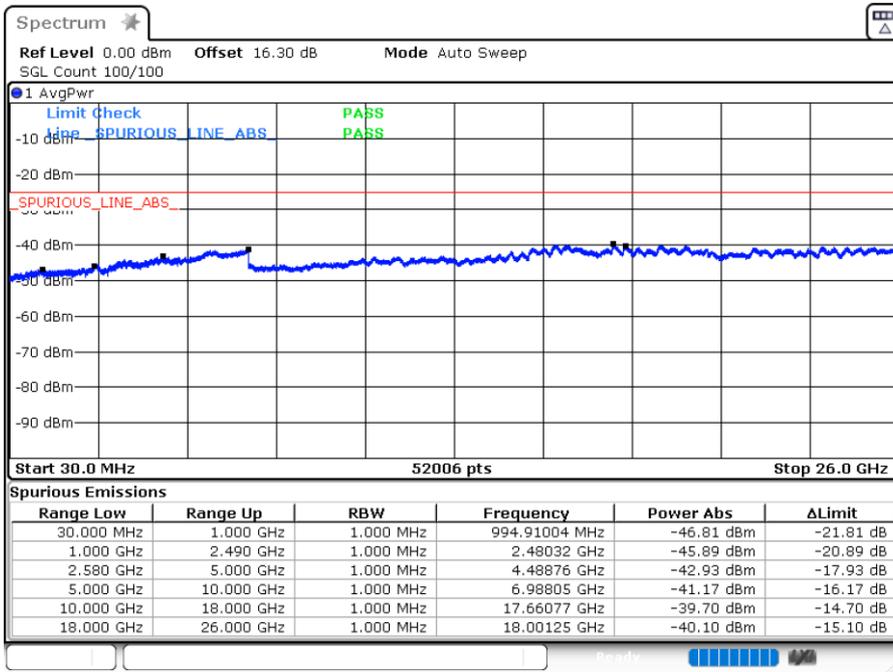
Middle Channel / QPSK



Date: 27_SEP.2022 08:19:29

Date: 27_SEP.2022 08:18:04

Highest Channel / QPSK



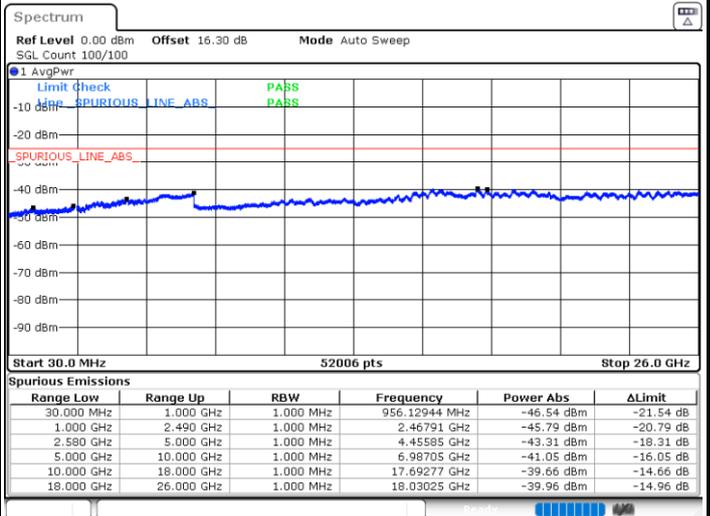
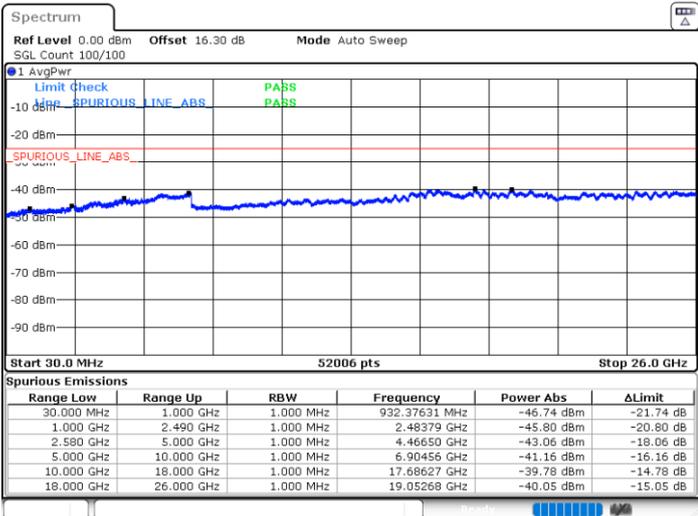
Date: 27_SEP.2022 08:33:01



LTE Band 7 / 15MHz

Lowest Channel / QPSK

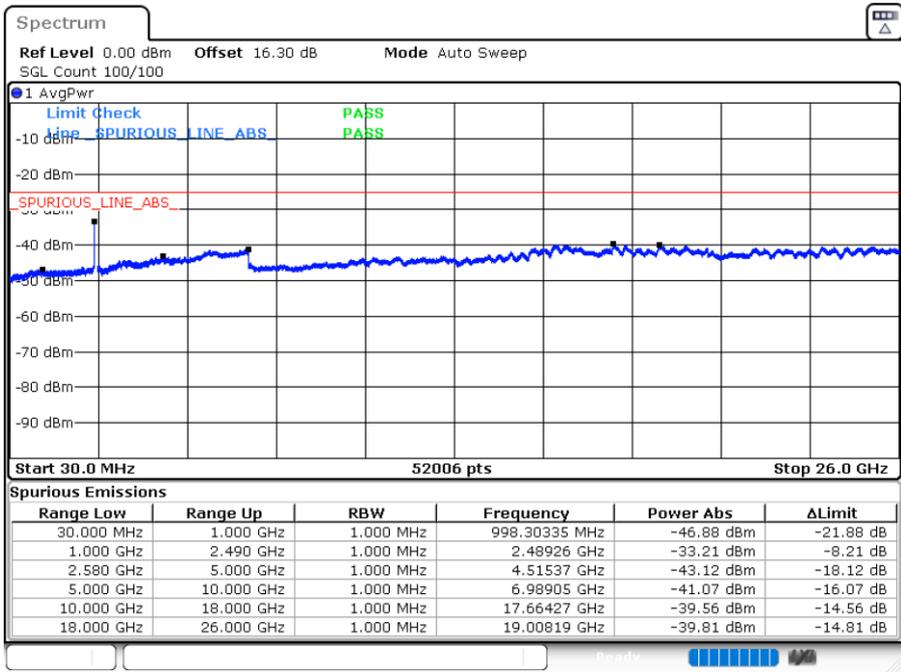
Middle Channel / QPSK



Date: 27.SEP.2022 08:00:24

Date: 27.SEP.2022 07:58:11

Highest Channel / QPSK

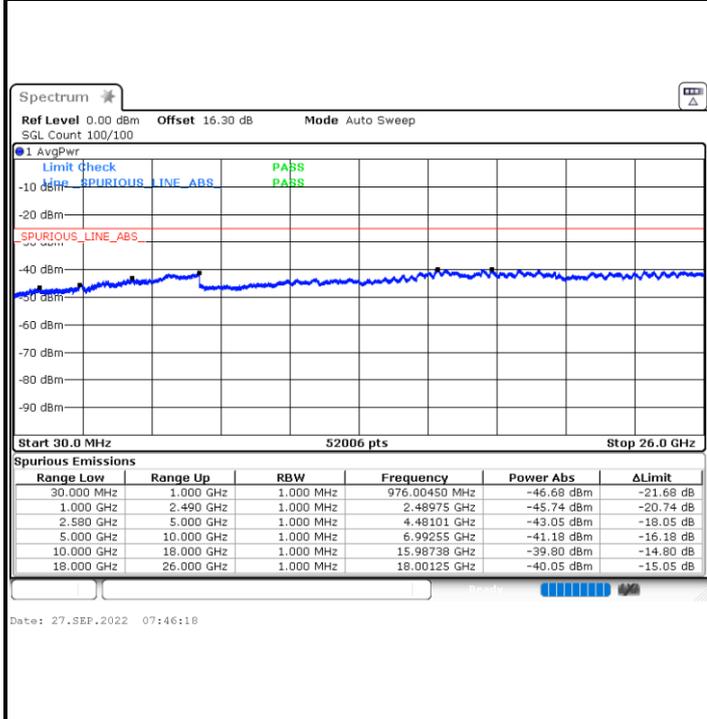


Date: 27.SEP.2022 08:11:34

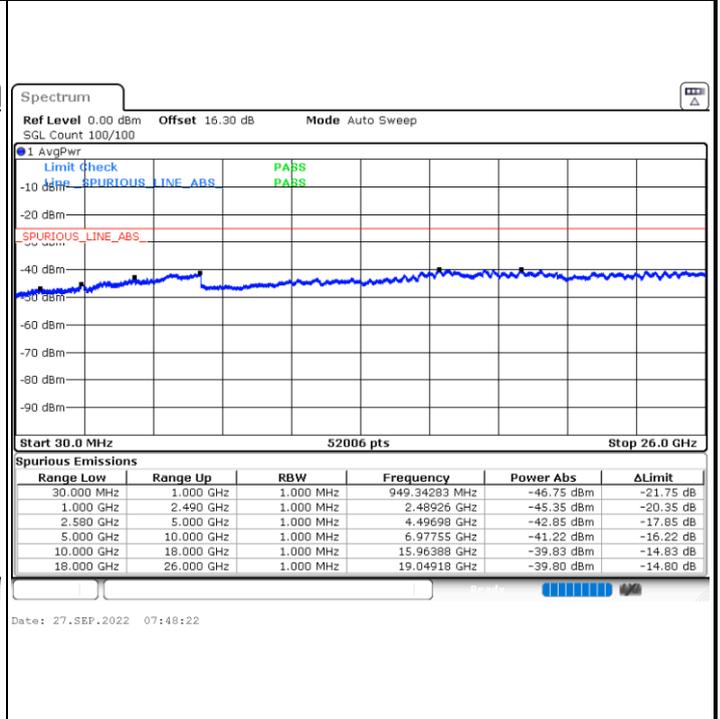


LTE Band 7 / 20MHz

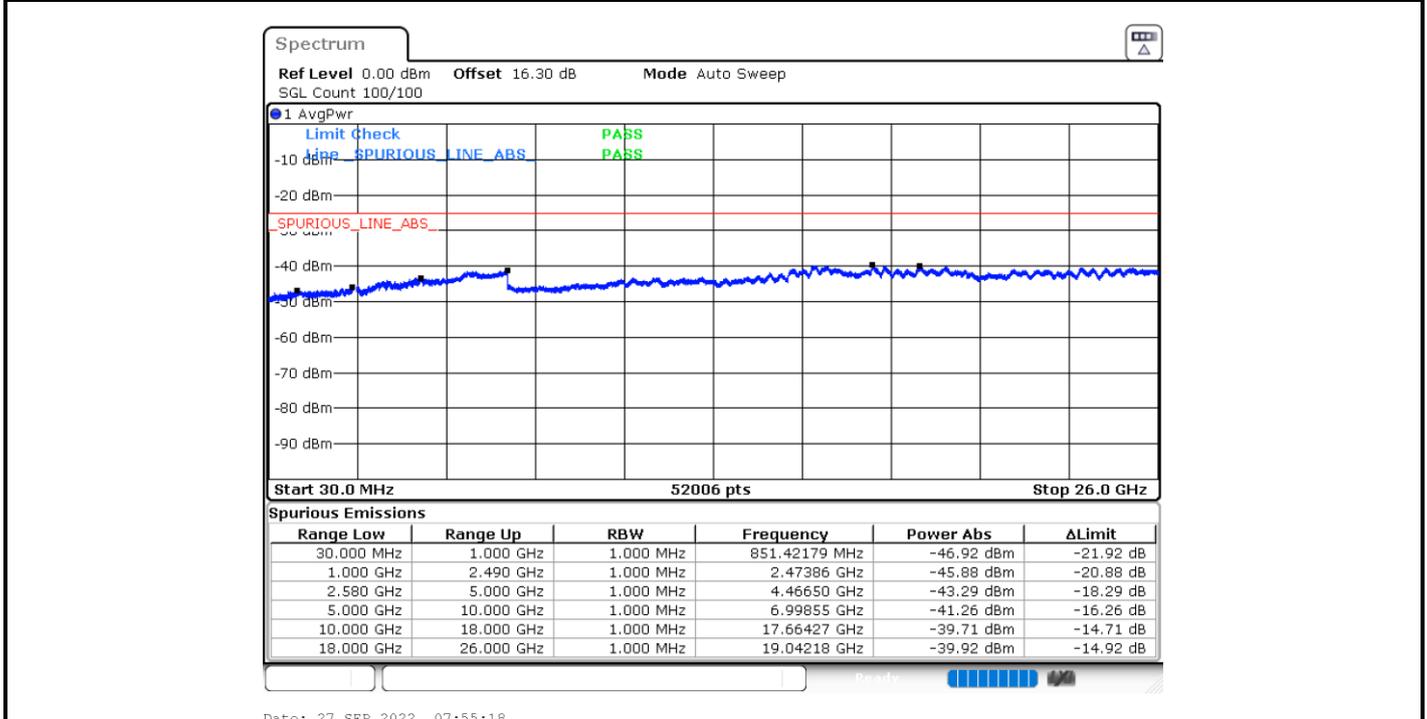
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK





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	0.0028	PASS
40	Normal Voltage	0.0014	
30	Normal Voltage	0.0010	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0007	
0	Normal Voltage	0.0034	
-10	Normal Voltage	0.0026	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0012	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0030	
20	Battery End Point	0.0009	

Note:

1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7(PA2 EN-DC 7A-n78A)

Peak-to-Average Ratio

Mode	LTE Band 7 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.55	5.74	6.29	6.46	PASS

