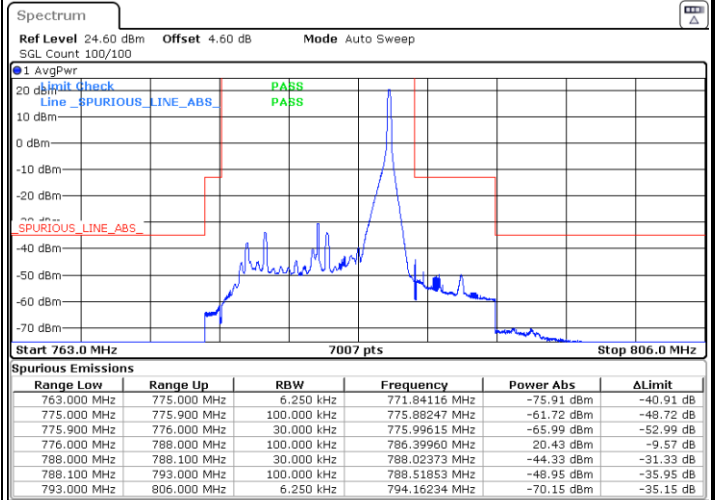
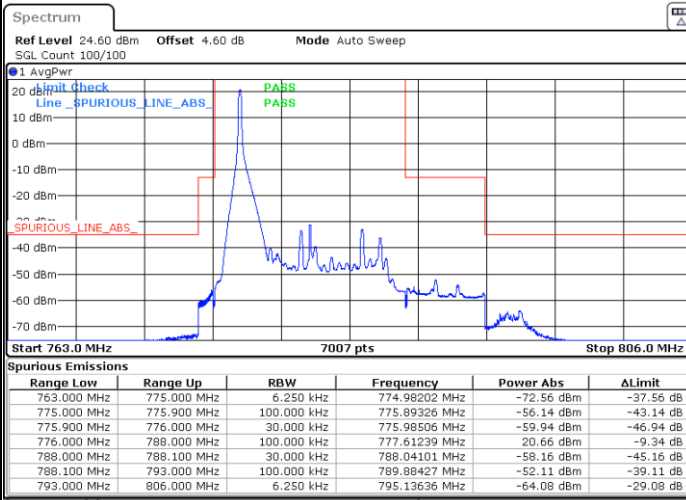




LTE Band 13 / 10MHz / QPSK

middle Band Edge / 1 RB

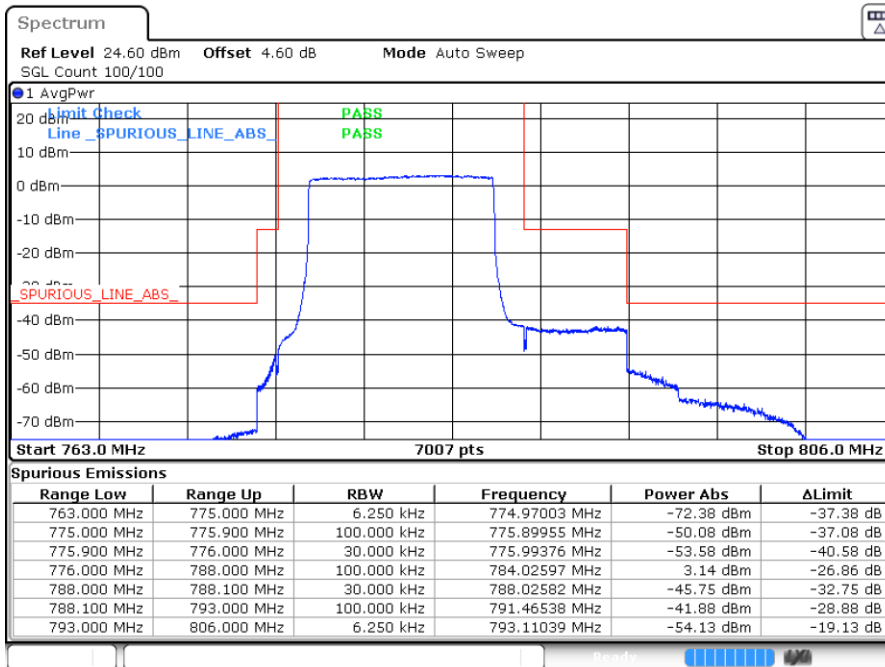
middle Band Edge / 1 RB



Date: 28.SEP.2022 14:58:26

Date: 28.SEP.2022 15:07:34

Middle Band Edge / Full RB

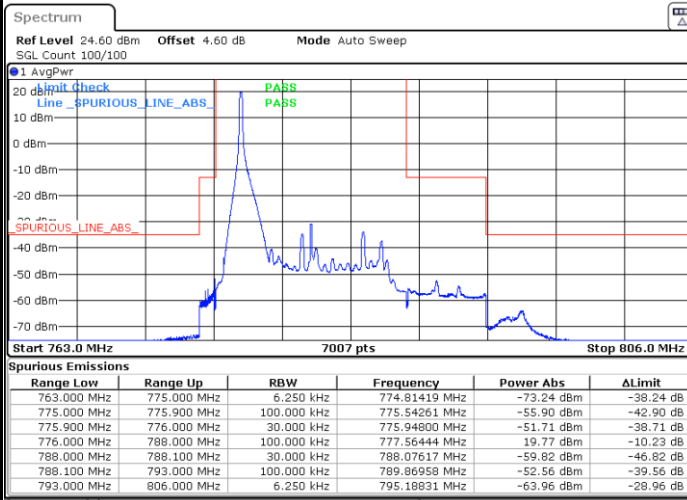


Date: 28.SEP.2022 15:09:24



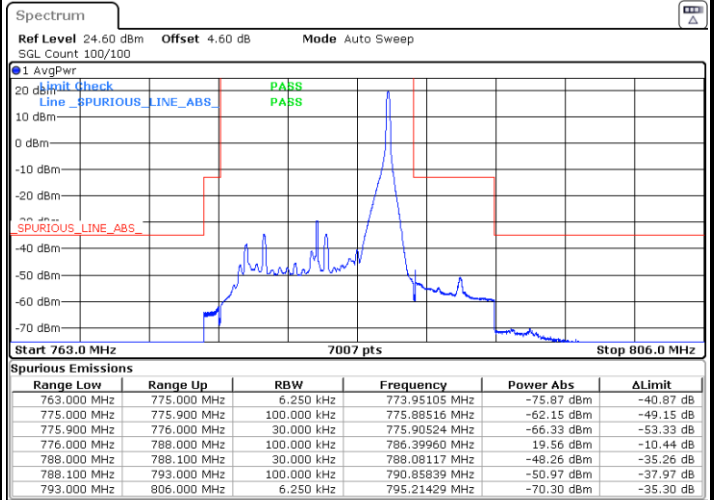
LTE Band 13 / 10MHz / 16QAM

middle Band Edge / 1 RB



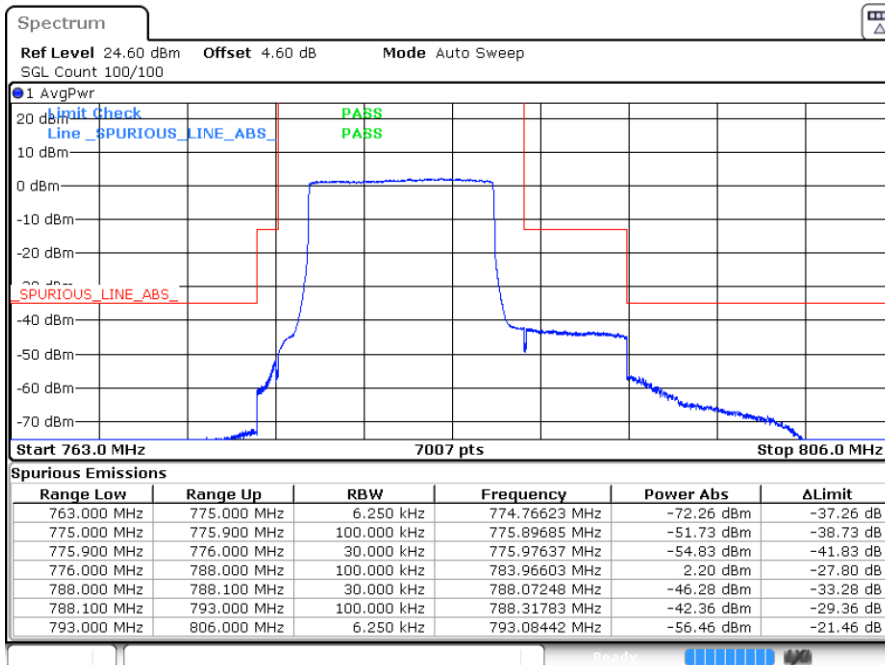
Date: 28.SEP.2022 15:00:16

middle Band Edge / 1 RB



Date: 28.SEP.2022 15:05:44

middle Band Edge / Full RB

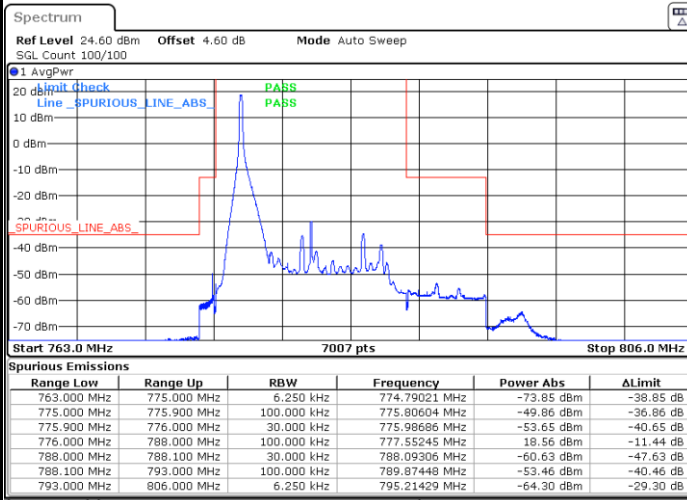


Date: 28.SEP.2022 15:11:13



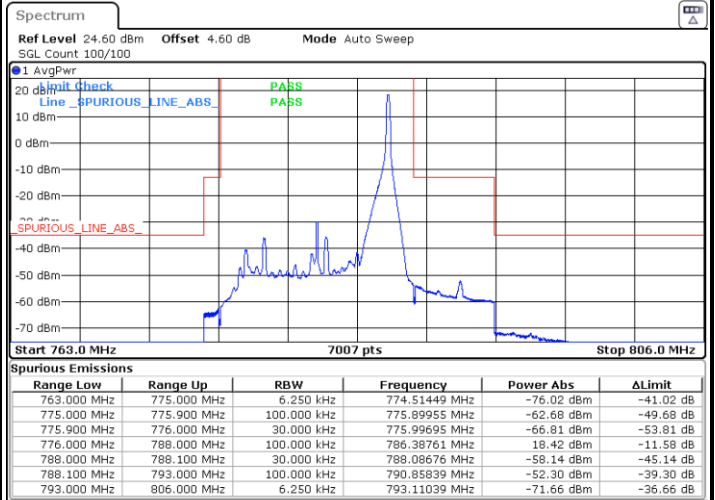
LTE Band 13 / 10MHz / 64QAM

middle Band Edge / 1 RB



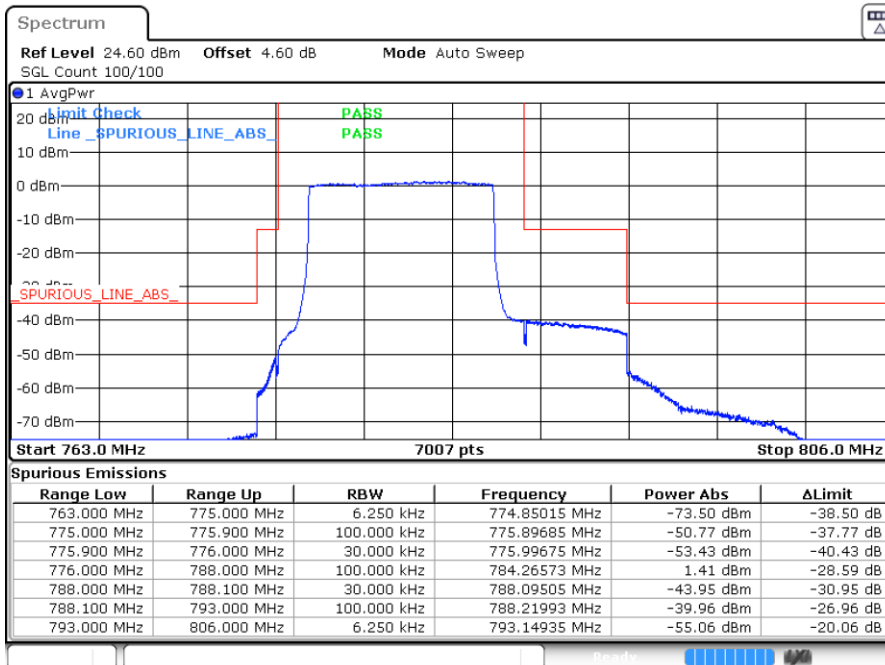
Date: 28.SEP.2022 15:02:06

middle Band Edge / 1 RB



Date: 28.SEP.2022 15:03:55

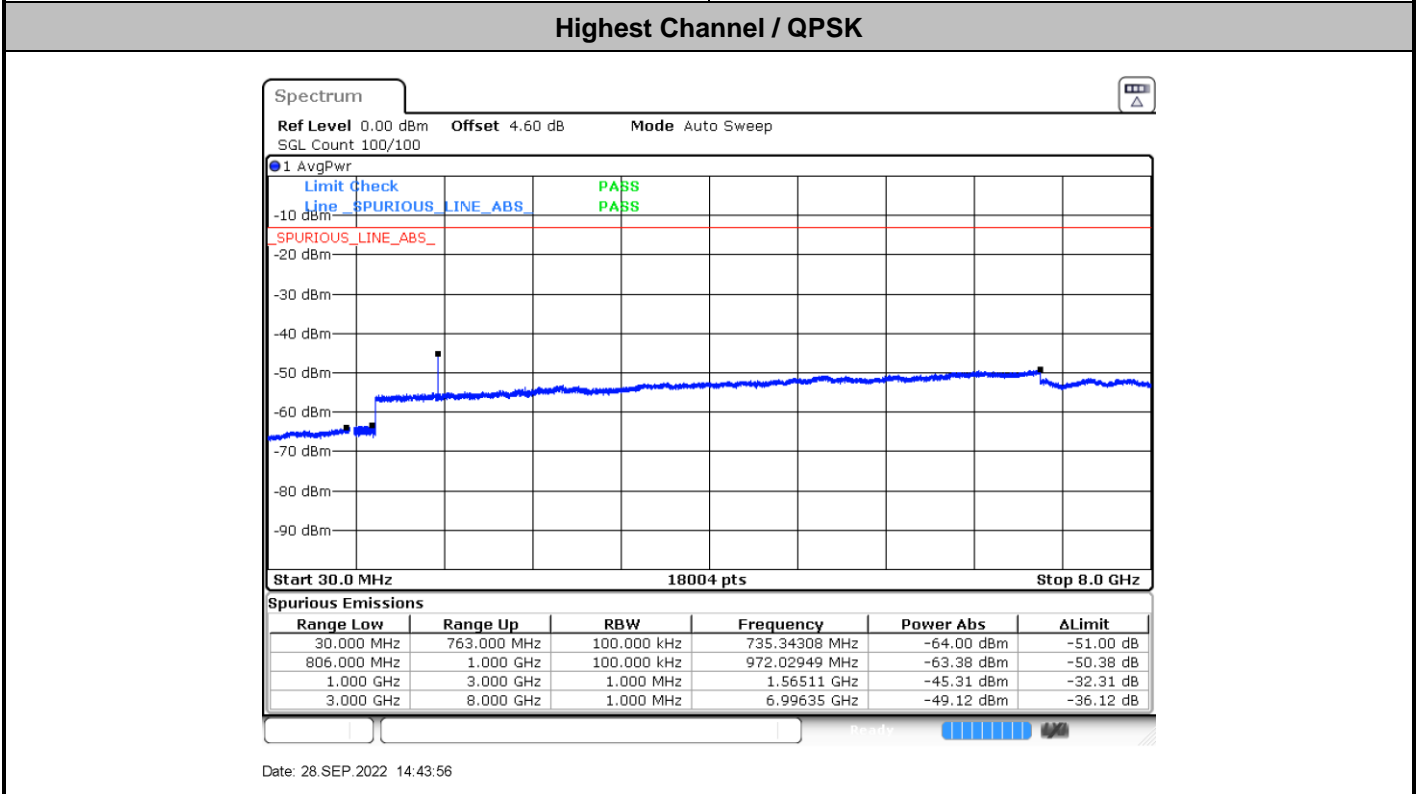
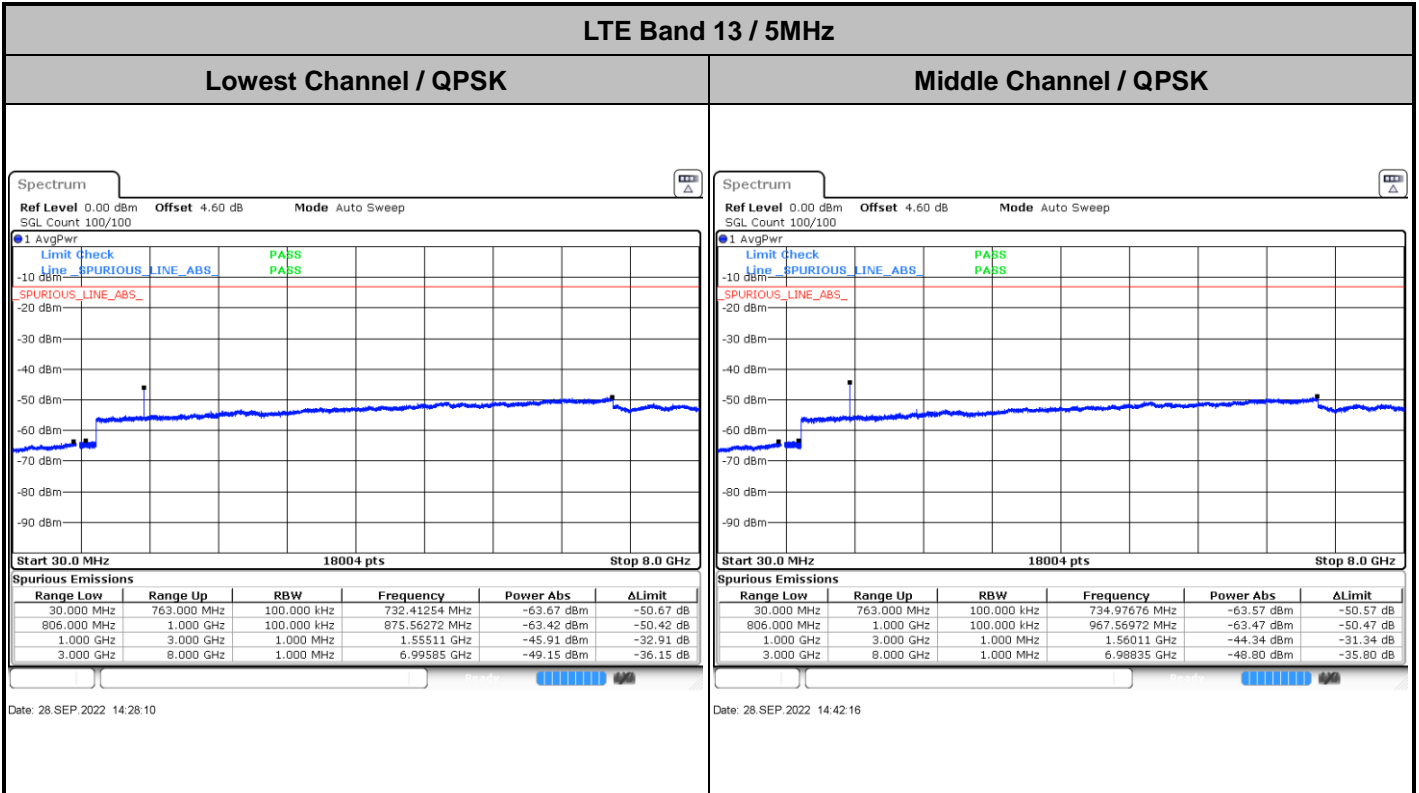
middle Band Edge / Full RB



Date: 28.SEP.2022 15:13:03



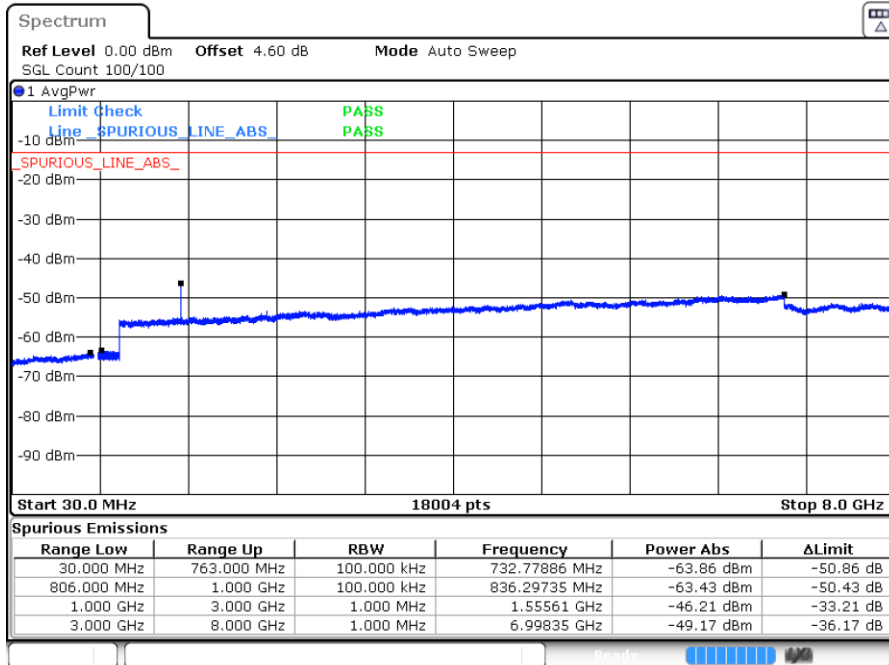
Conducted Spurious Emission





LTE Band 13 / 10MHz

Middle Channel / QPSK



Date: 28.SEP.2022 14:56:37



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	0.0019	PASS
40	Normal Voltage	0.0013	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0023	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0006	
20	Battery End Point	0.0015	

Note:

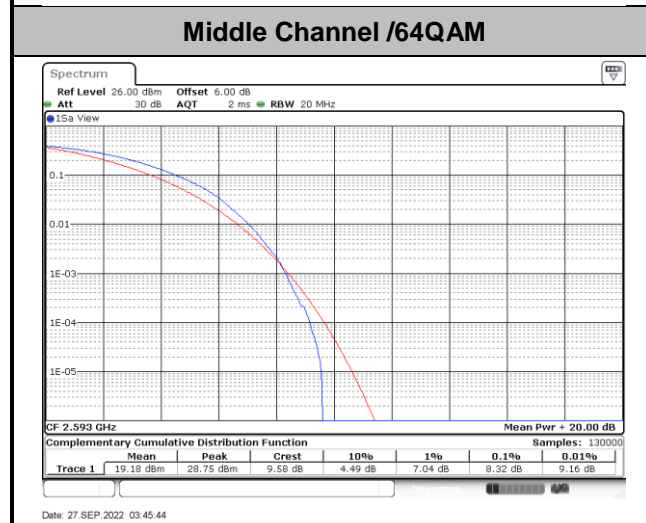
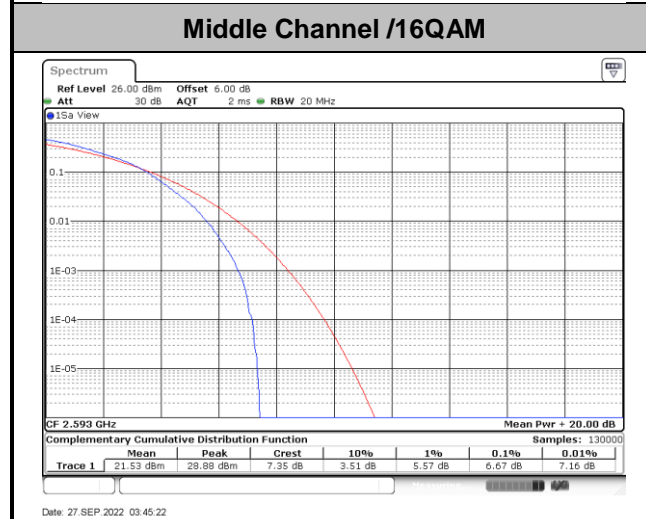
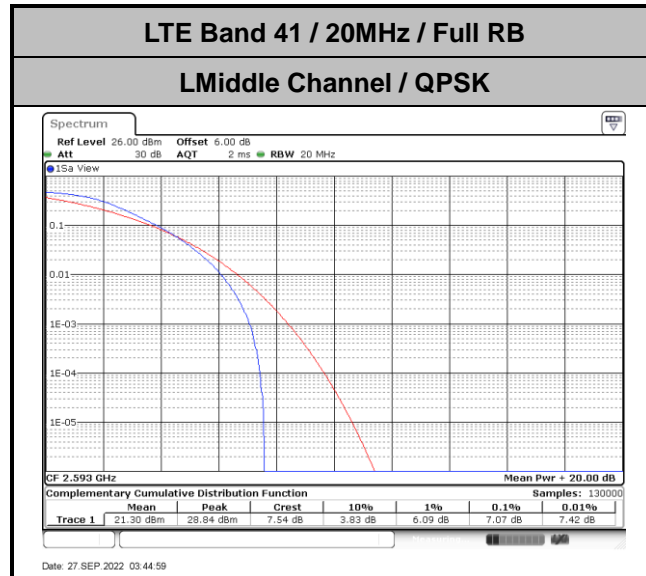
1. Normal Voltage =3.89 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.48 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

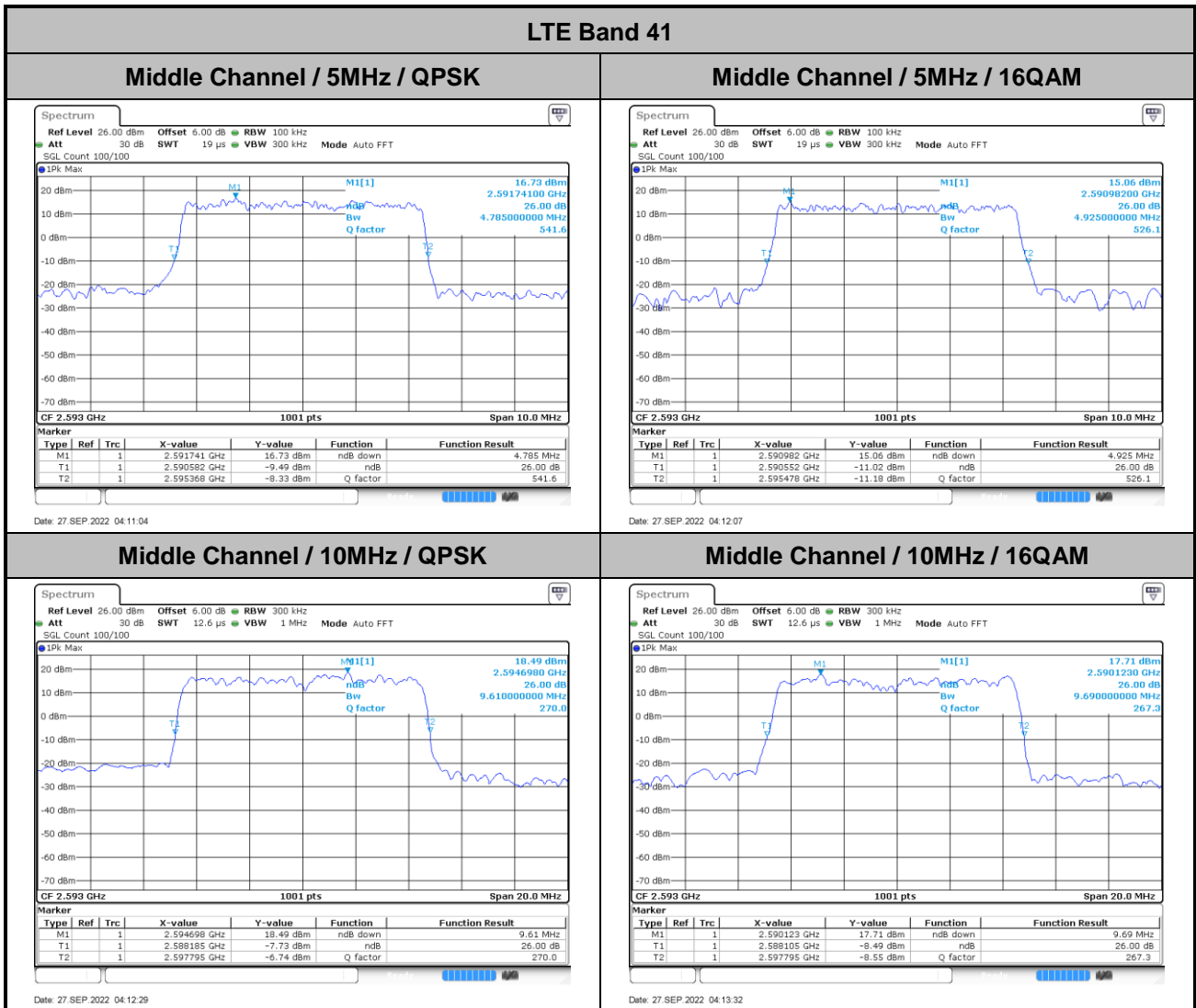
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	7.07	6.67	8.32	PASS





26dB Bandwidth

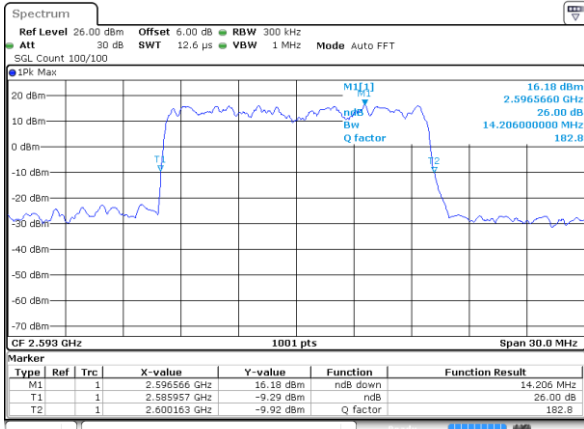
Mode	LTE Band 41 : 26dB BW(MHz)							
	5MHz		10MHz		15MHz		20MHz	
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.79	4.93	9.61	9.69	14.21	14.18	18.66	19.46





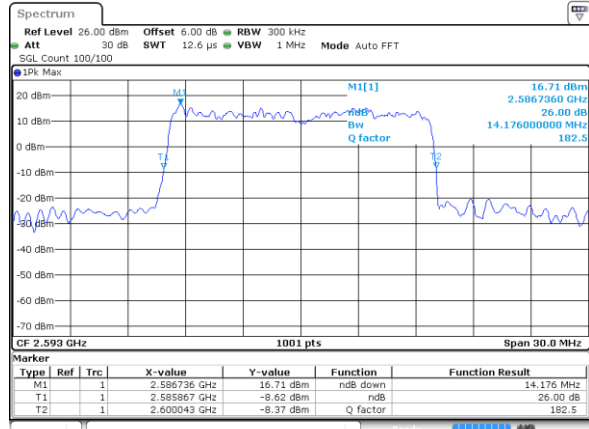
LTE Band 41

Middle Channel / 15MHz / QPSK



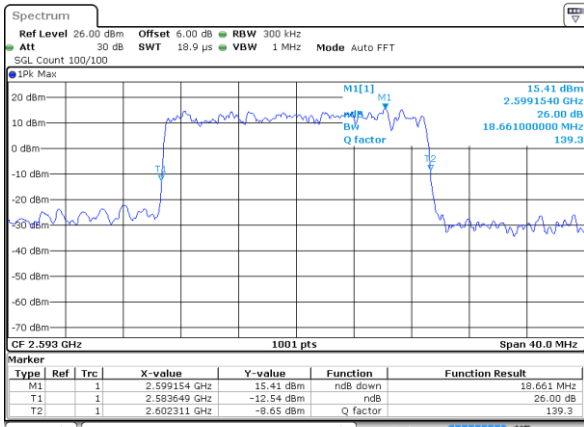
Date: 27 SEP 2022 04:13:54

Middle Channel / 15MHz / 16QAM



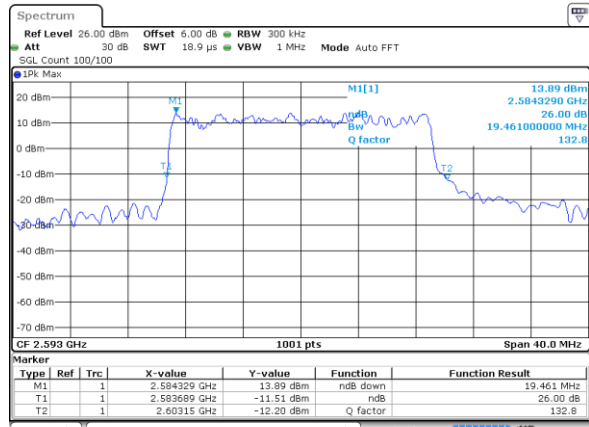
Date: 27 SEP 2022 04:14:58

Middle Channel / 20MHz / QPSK



Date: 27 SEP 2022 03:43:33

Middle Channel / 20MHz / 16QAM

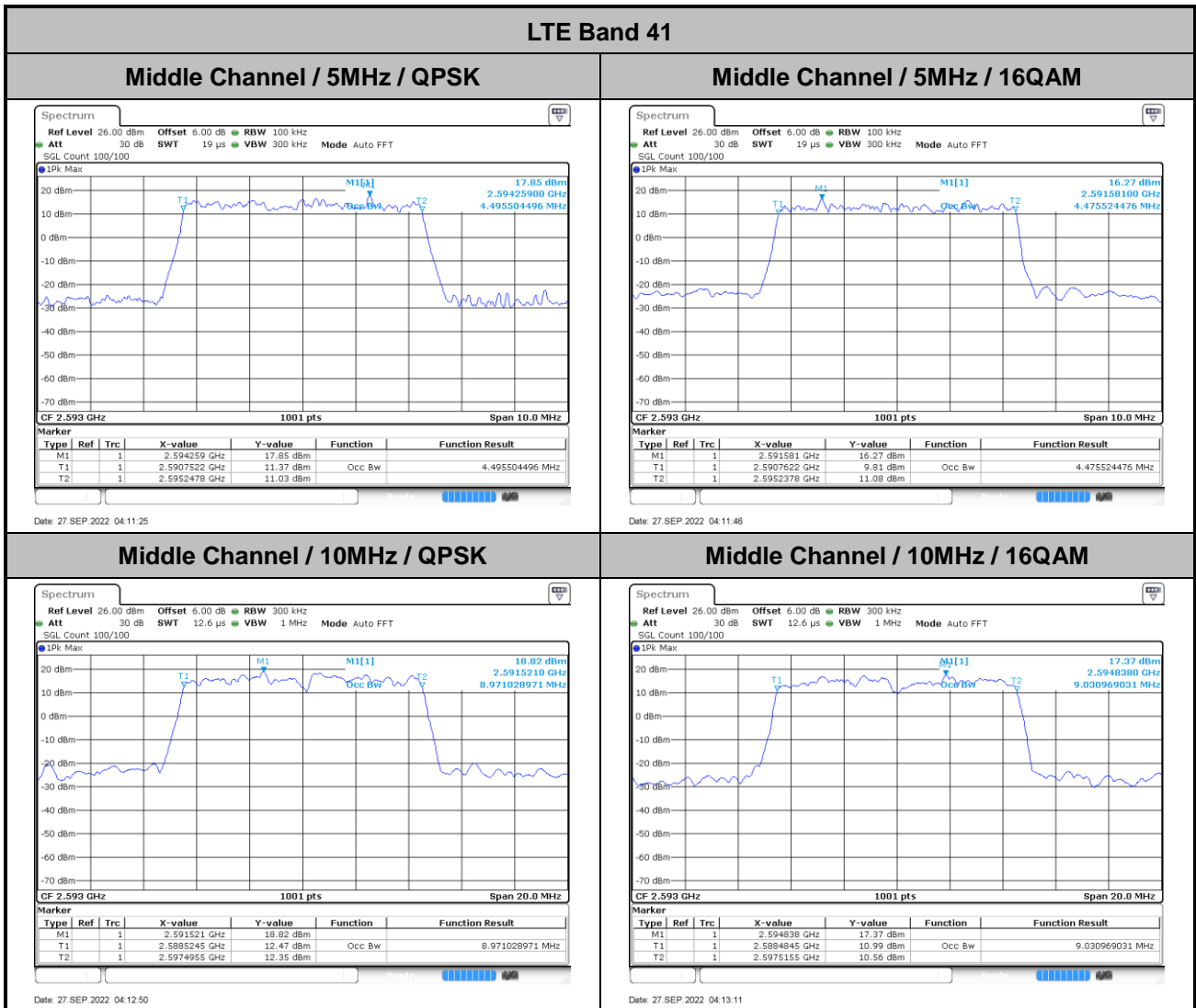


Date: 27 SEP 2022 03:44:37



Occupied Bandwidth

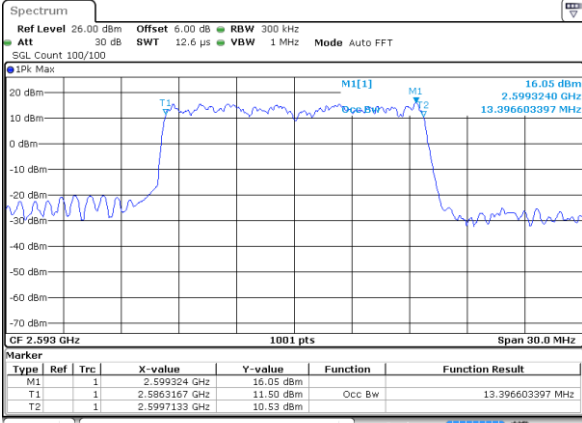
Mode	LTE Band 41 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.50	4.48	8.97	9.03	13.40	13.43	17.78	17.78





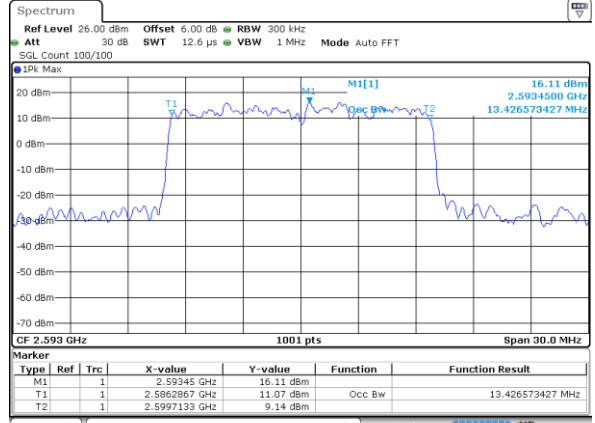
LTE Band 41

Middle Channel / 15MHz / QPSK



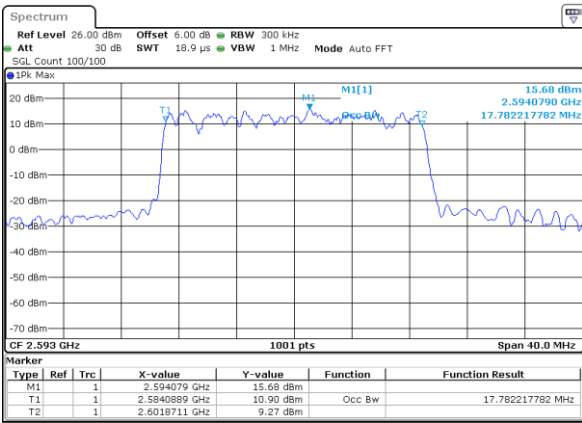
Date: 27 SEP 2022 04:14:15

Middle Channel / 15MHz / 16QAM



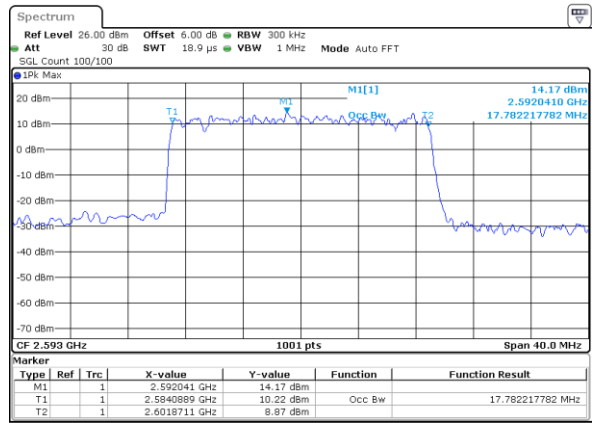
Date: 27 SEP 2022 04:14:36

Middle Channel / 20MHz / QPSK



Date: 27 SEP 2022 03:43:55

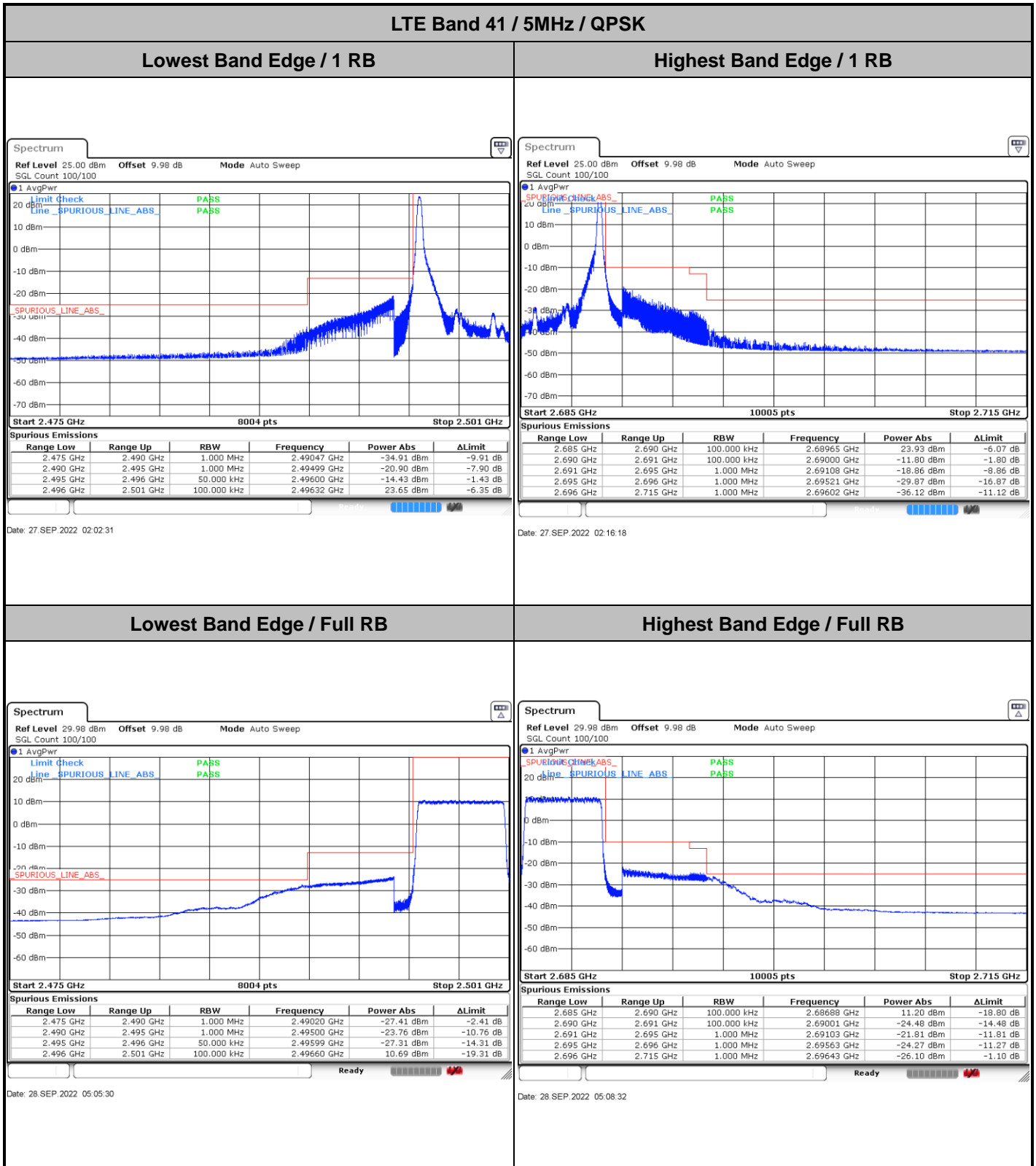
Middle Channel / 20MHz / 16QAM



Date: 27 SEP 2022 03:44:16



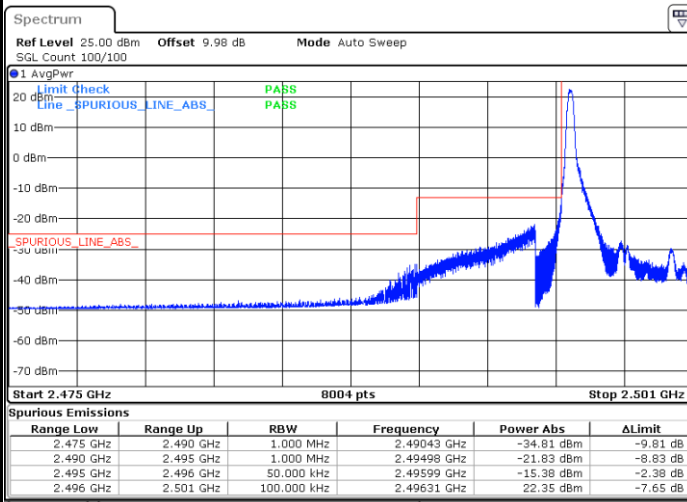
Conducted Band Edge





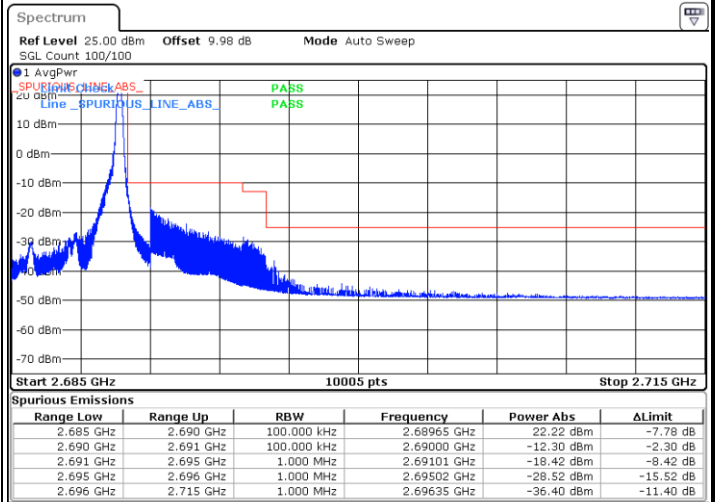
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



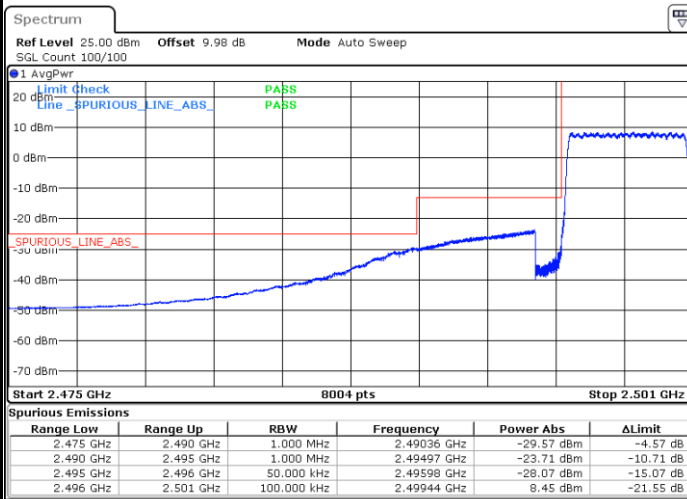
Date: 27.SEP.2022 02:05:02

Highest Band Edge / 1 RB



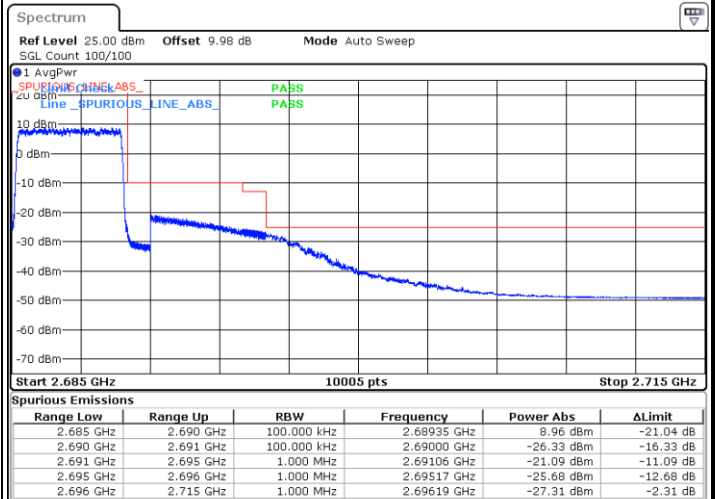
Date: 27.SEP.2022 02:18:07

Lowest Band Edge / Full RB



Date: 27.SEP.2022 02:10:30

Highest Band Edge / Full RB

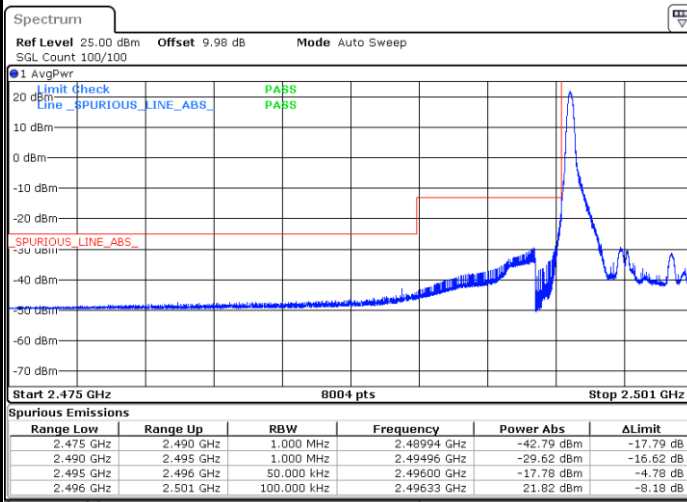


Date: 27.SEP.2022 02:23:32



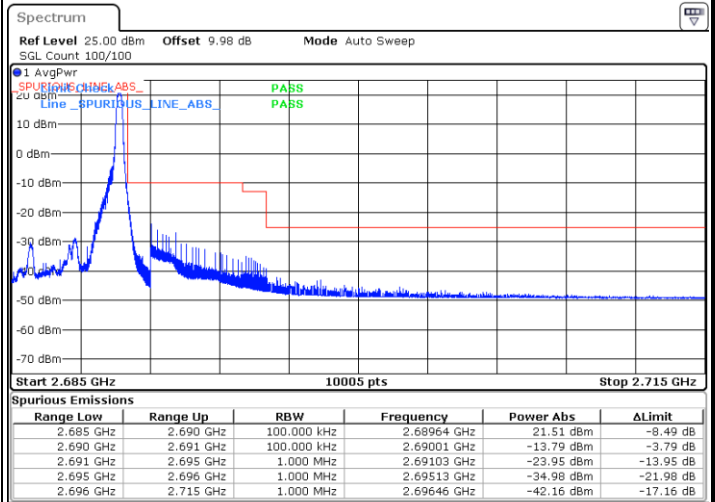
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



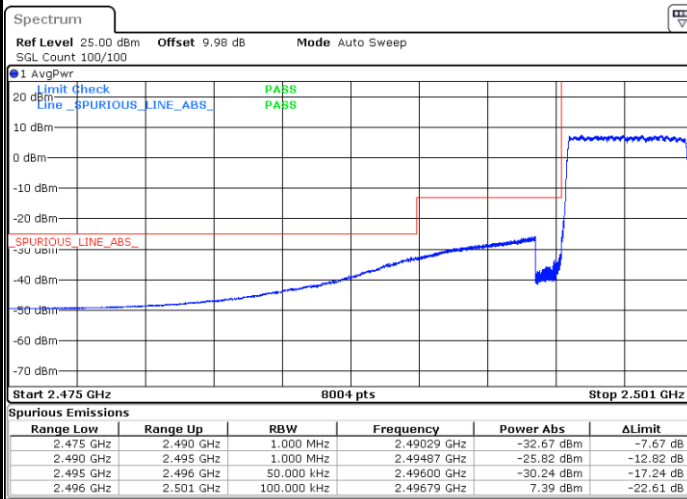
Date: 27.SEP.2022 02:06:53

Highest Band Edge / 1 RB



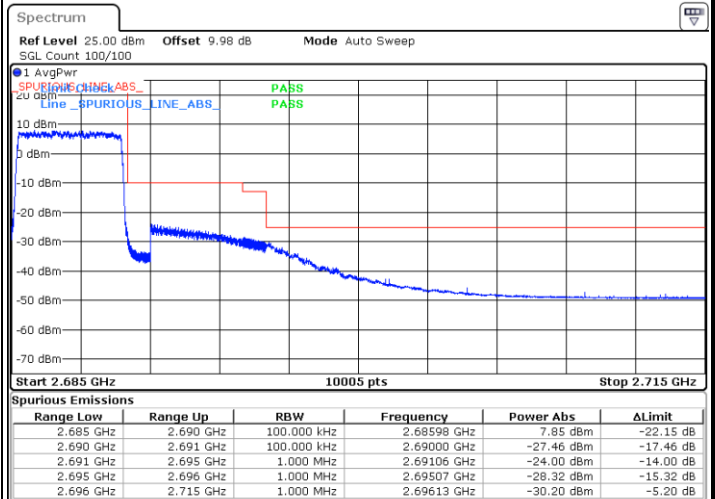
Date: 27.SEP.2022 02:19:55

Lowest Band Edge / Full RB



Date: 27.SEP.2022 02:08:42

Highest Band Edge / Full RB

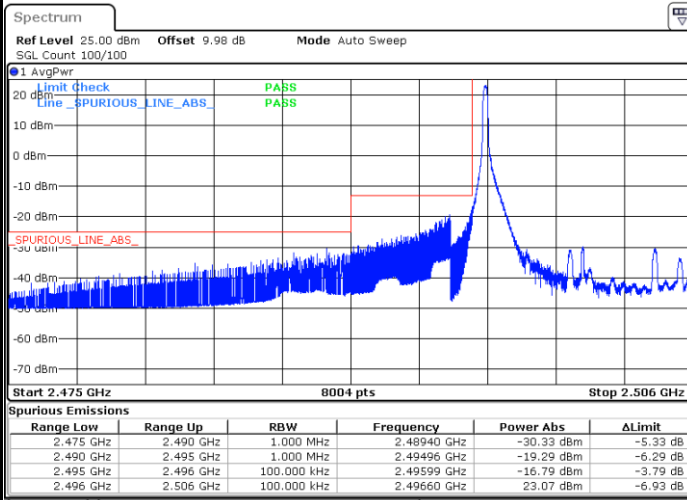


Date: 27.SEP.2022 02:21:44



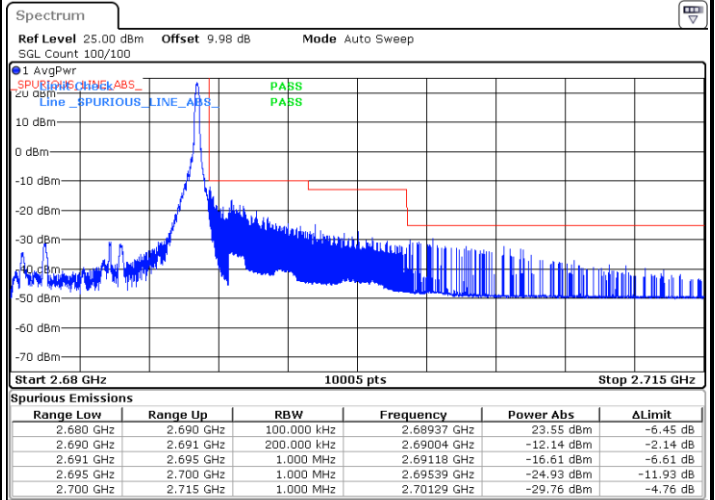
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



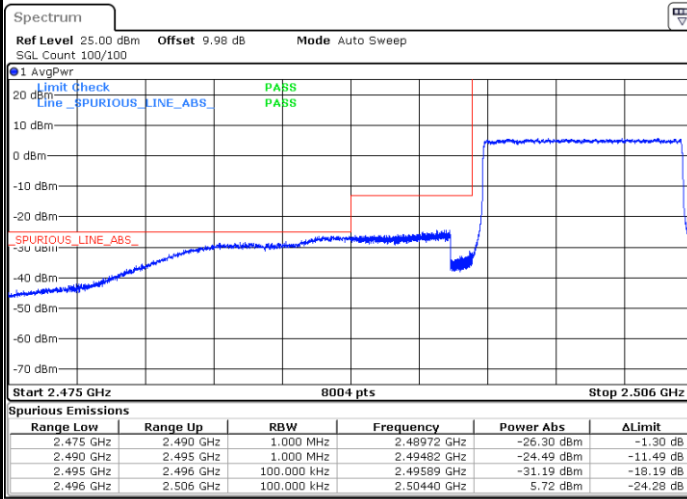
Date: 27.SEP.2022 02:28:16

Highest Band Edge / 1 RB



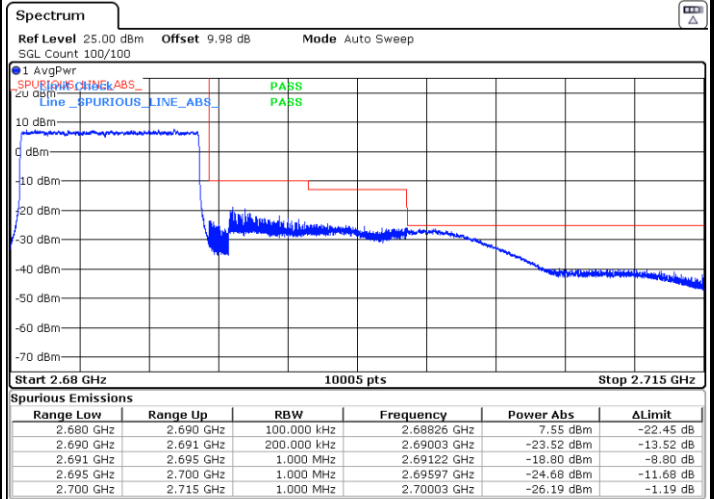
Date: 27.SEP.2022 02:41:18

Lowest Band Edge / Full RB



Date: 27.SEP.2022 02:37:19

Highest Band Edge / Full RB

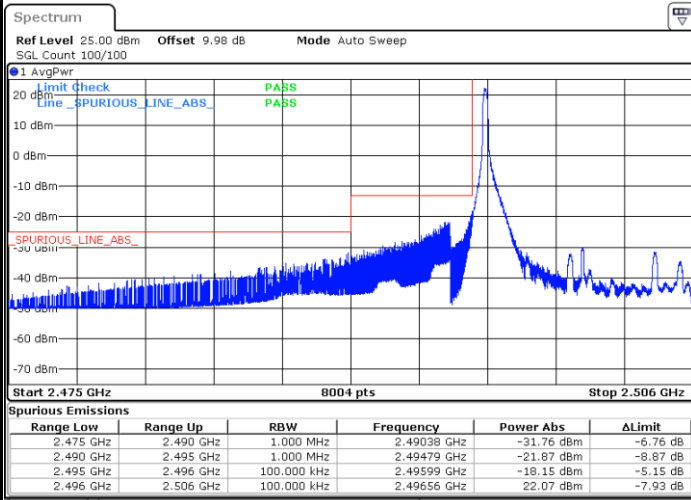


Date: 28.SEP.2022 05:10:43



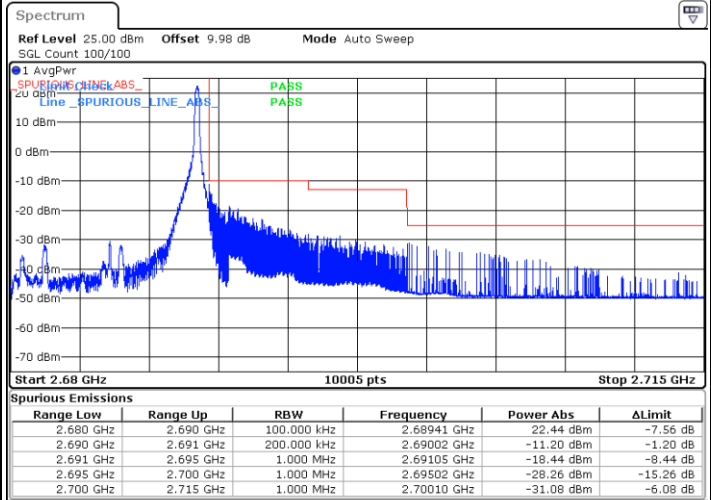
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



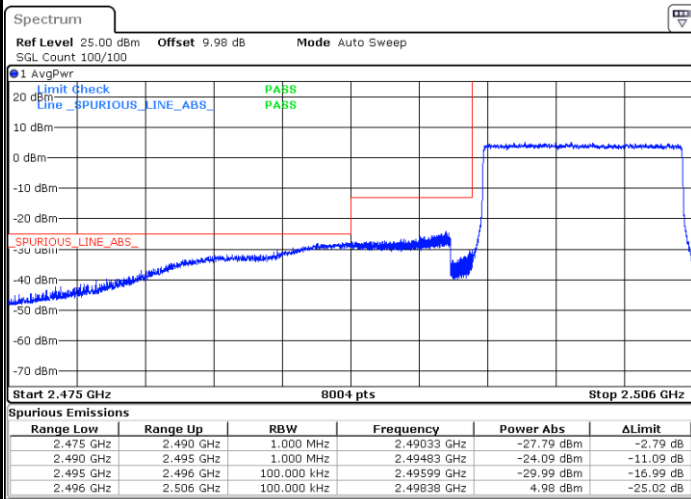
Date: 27.SEP.2022 02:30:04

Highest Band Edge / 1 RB



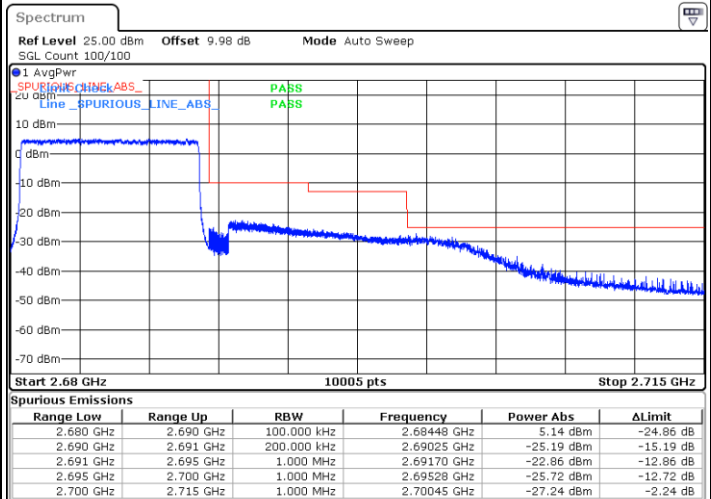
Date: 27.SEP.2022 02:43:07

Lowest Band Edge / Full RB



Date: 27.SEP.2022 02:35:30

Highest Band Edge / Full RB

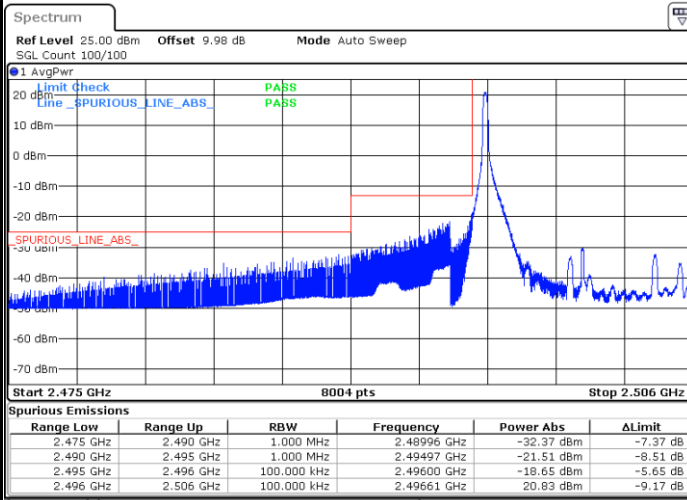


Date: 27.SEP.2022 02:48:32



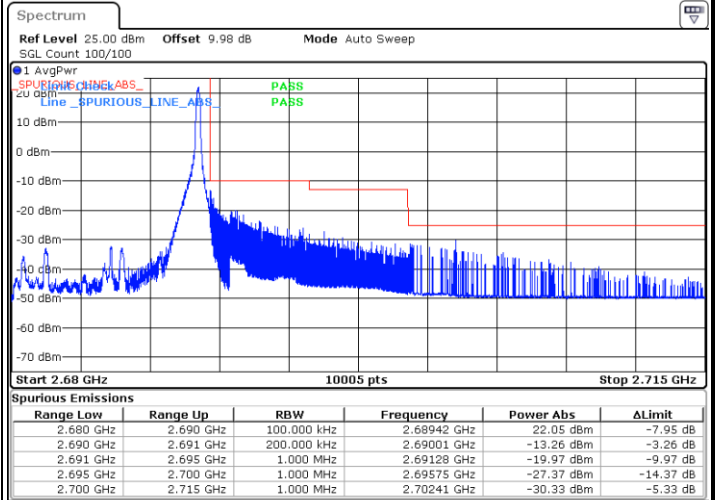
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



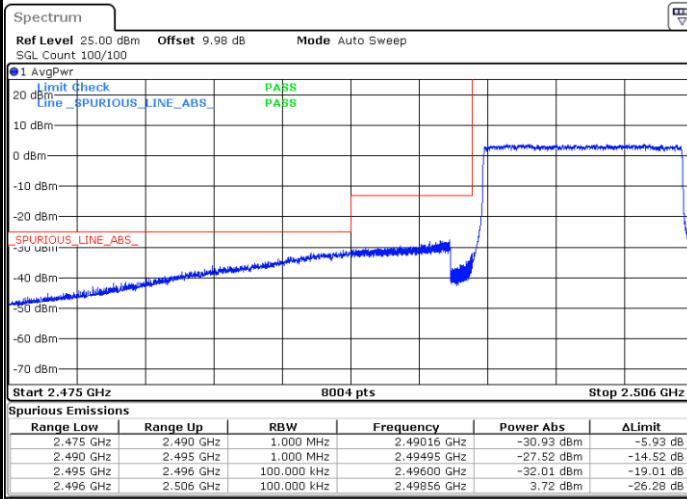
Date: 27.SEP.2022 02:31:53

Highest Band Edge / 1 RB



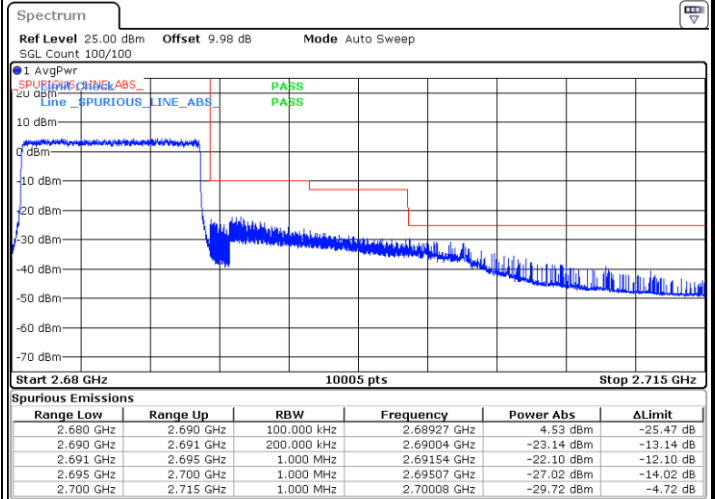
Date: 27.SEP.2022 02:44:55

Lowest Band Edge / Full RB



Date: 27.SEP.2022 02:33:41

Highest Band Edge / Full RB

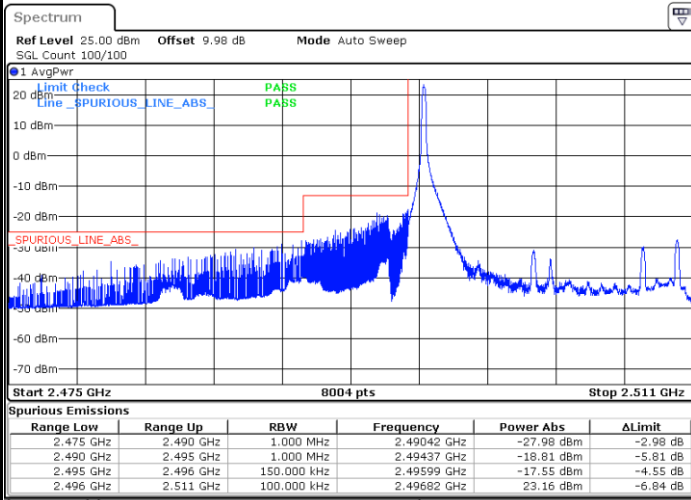


Date: 27.SEP.2022 02:46:44



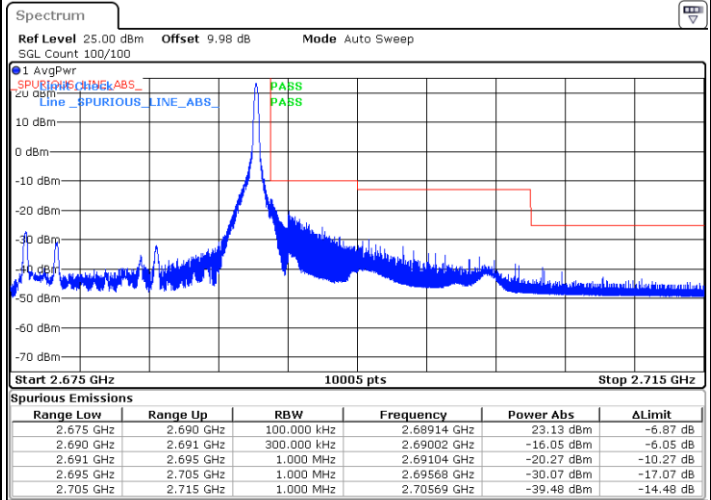
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



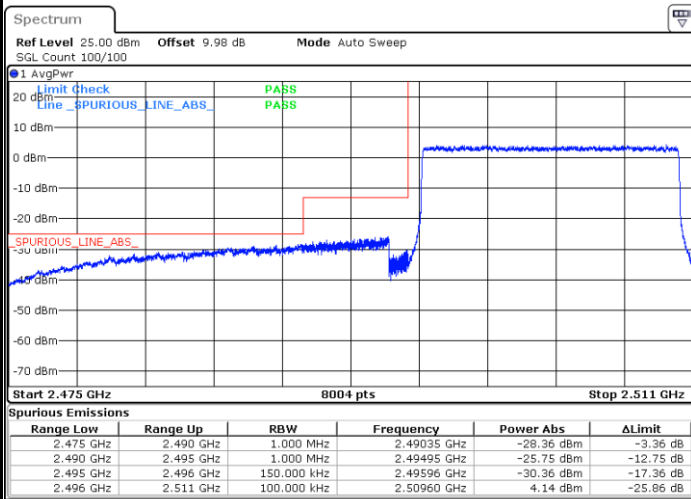
Date: 27.SEP.2022 02:53:16

Highest Band Edge / 1 RB



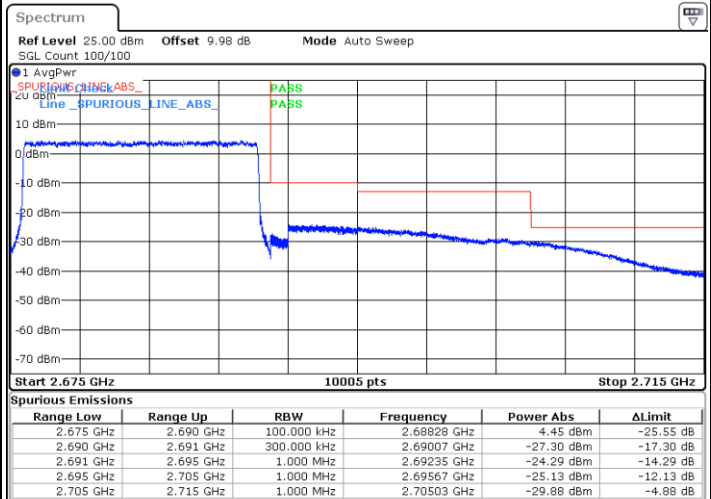
Date: 27.SEP.2022 03:06:19

Lowest Band Edge / Full RB



Date: 27.SEP.2022 03:02:19

Highest Band Edge / Full RB

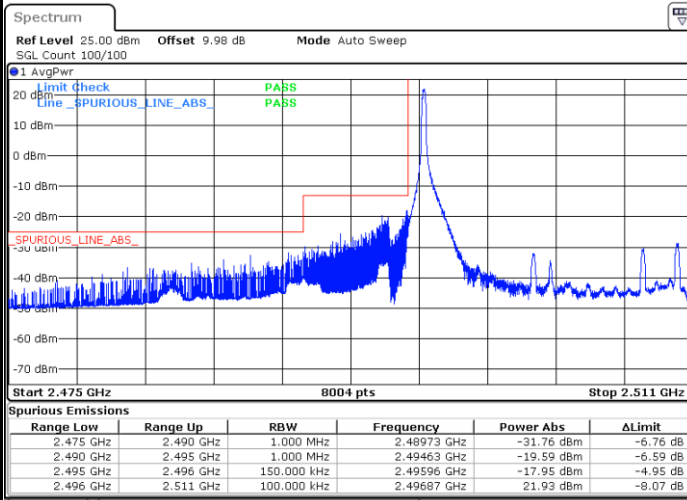


Date: 27.SEP.2022 03:15:21



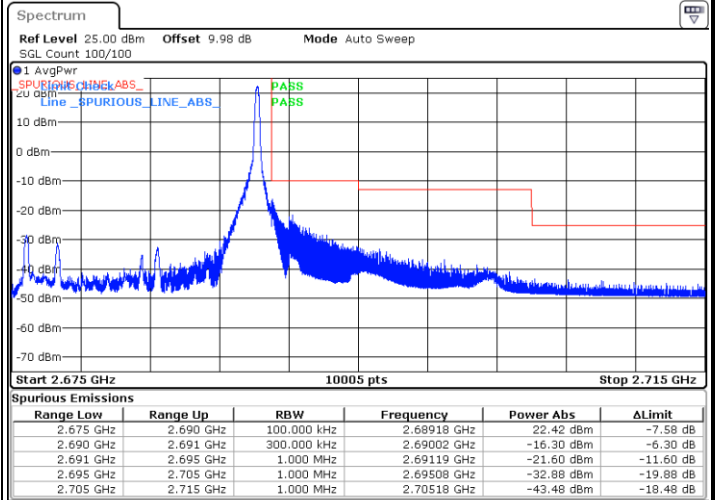
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



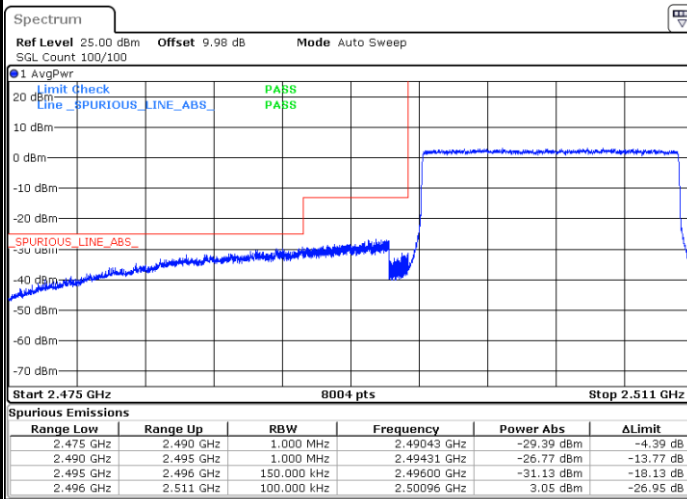
Date: 27.SEP.2022 02:55:05

Highest Band Edge / 1 RB



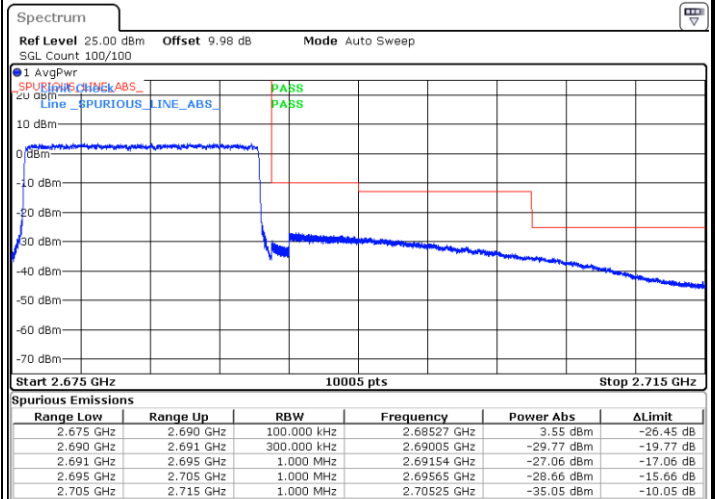
Date: 27.SEP.2022 03:08:07

Lowest Band Edge / Full RB



Date: 27.SEP.2022 03:00:31

Highest Band Edge / Full RB

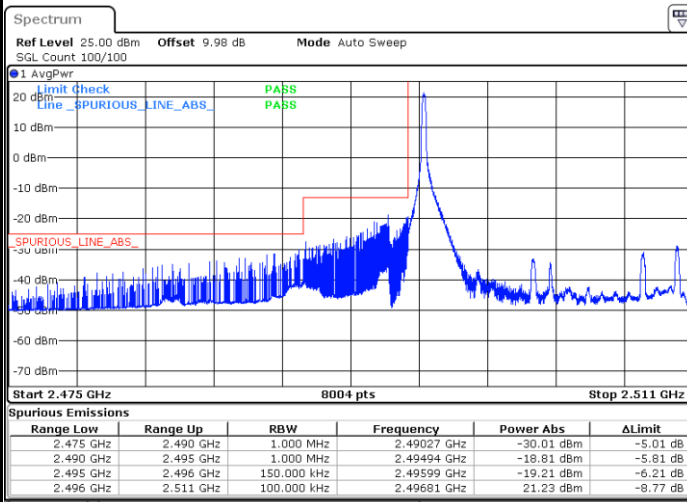


Date: 27.SEP.2022 03:13:33



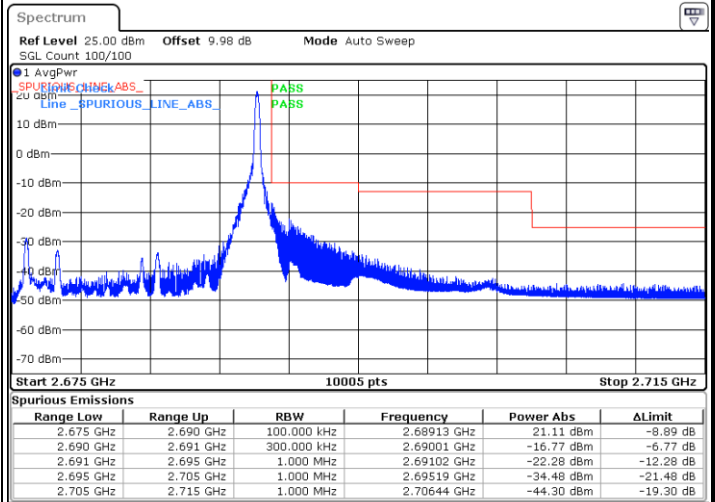
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



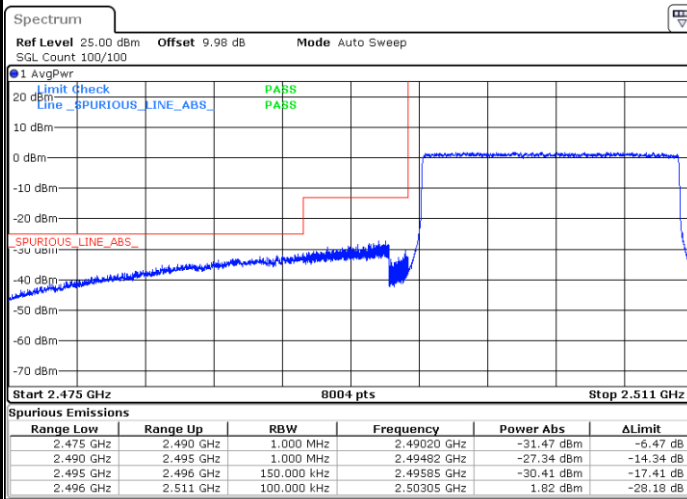
Date: 27.SEP.2022 02:56:53

Highest Band Edge / 1 RB



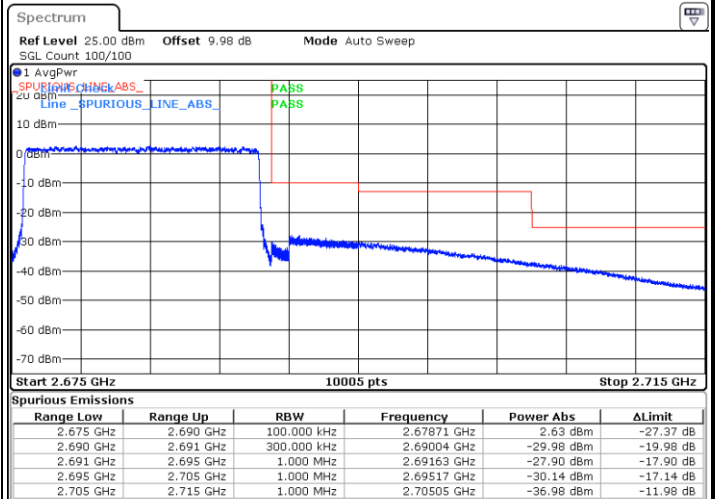
Date: 27.SEP.2022 03:09:56

Lowest Band Edge / Full RB



Date: 27.SEP.2022 02:58:42

Highest Band Edge / Full RB

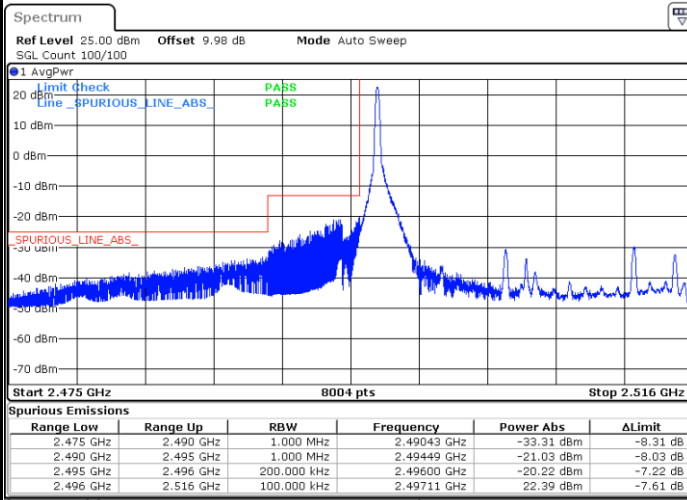


Date: 27.SEP.2022 03:11:44



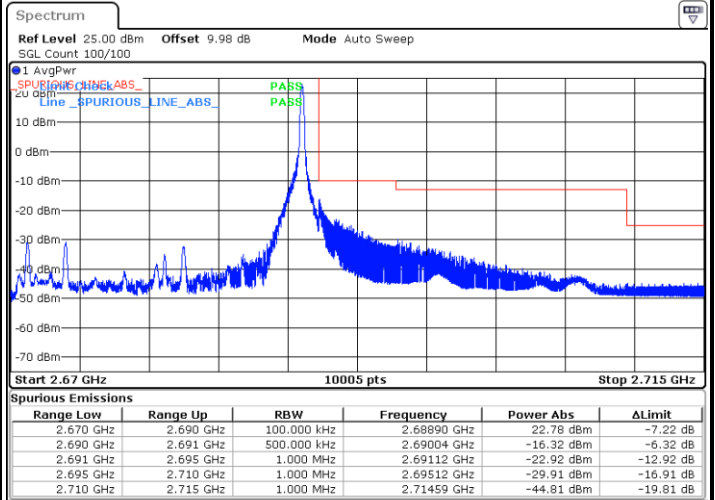
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



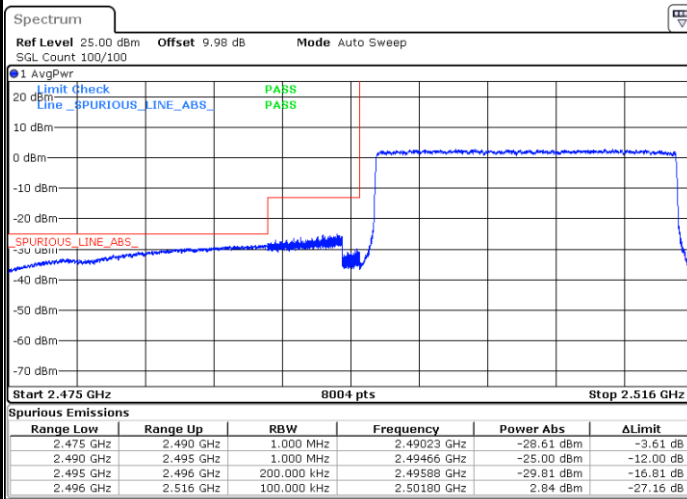
Date: 27.SEP.2022 03:18:16

Highest Band Edge / 1 RB



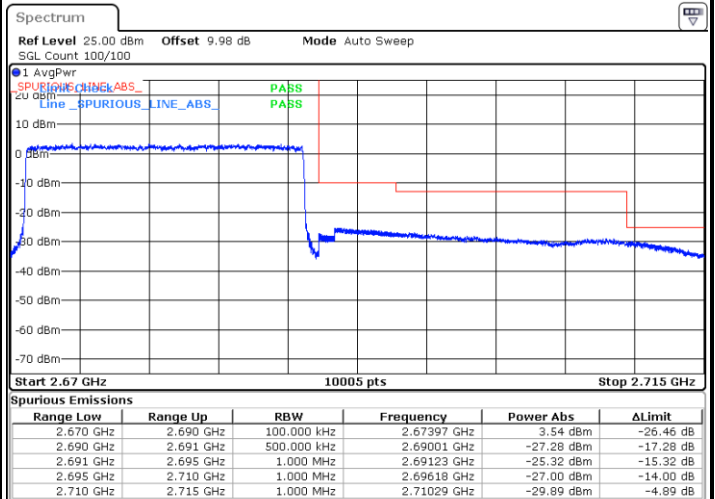
Date: 27.SEP.2022 03:31:19

Lowest Band Edge / Full RB



Date: 27.SEP.2022 03:27:19

Highest Band Edge / Full RB

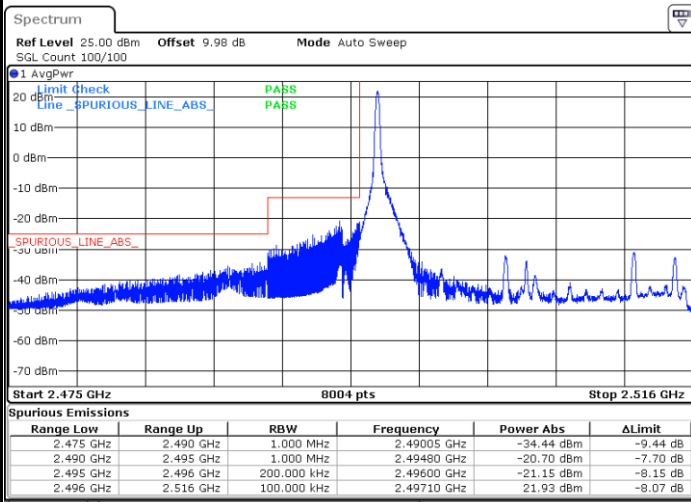


Date: 27.SEP.2022 03:40:21



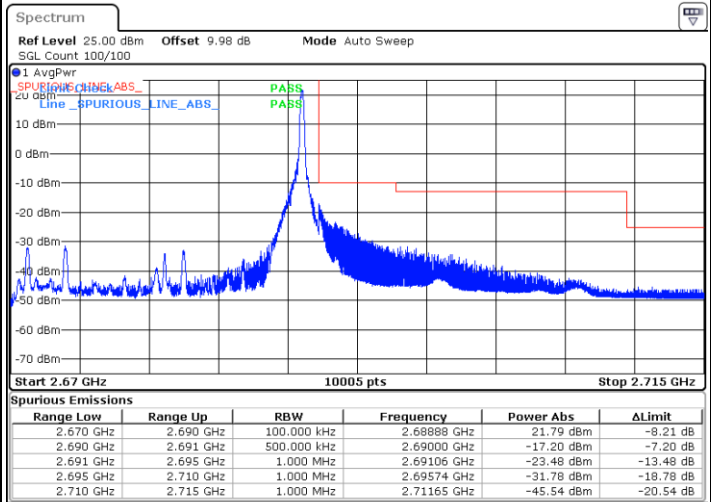
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



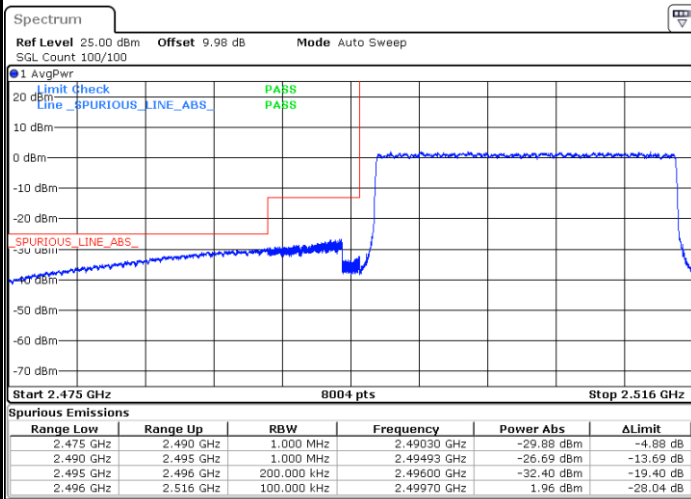
Date: 27.SEP.2022 03:20:05

Highest Band Edge / 1 RB



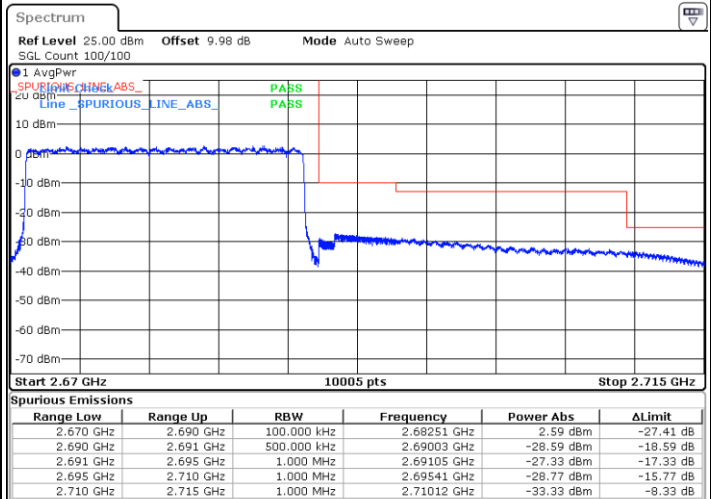
Date: 27.SEP.2022 03:33:07

Lowest Band Edge / Full RB



Date: 27.SEP.2022 03:25:31

Highest Band Edge / Full RB

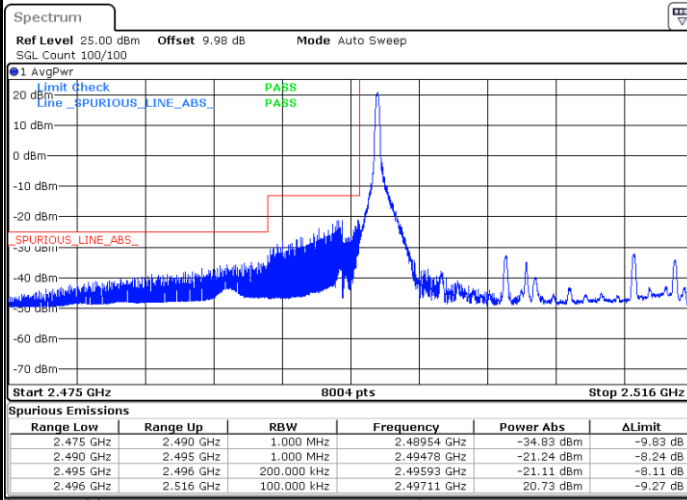


Date: 27.SEP.2022 03:38:33



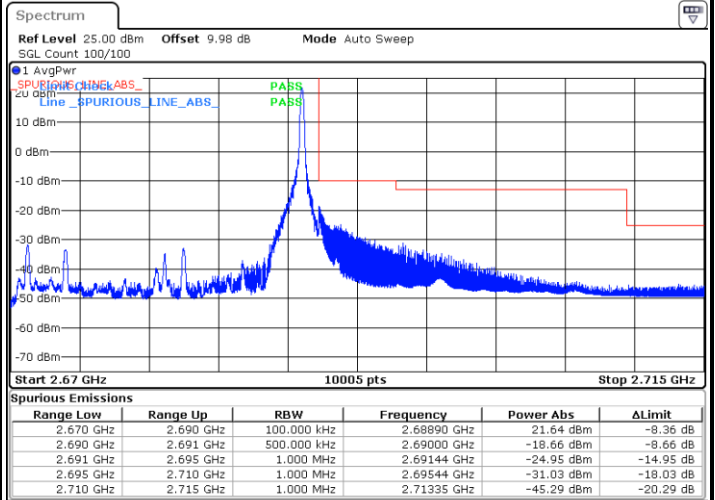
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



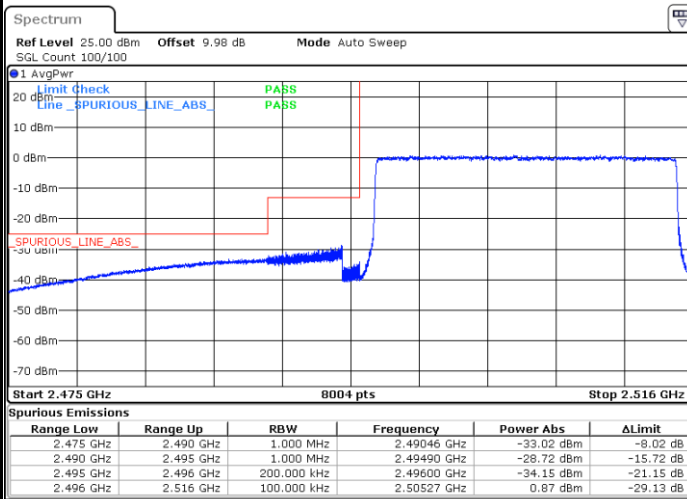
Date: 27.SEP.2022 03:21:53

Highest Band Edge / 1 RB



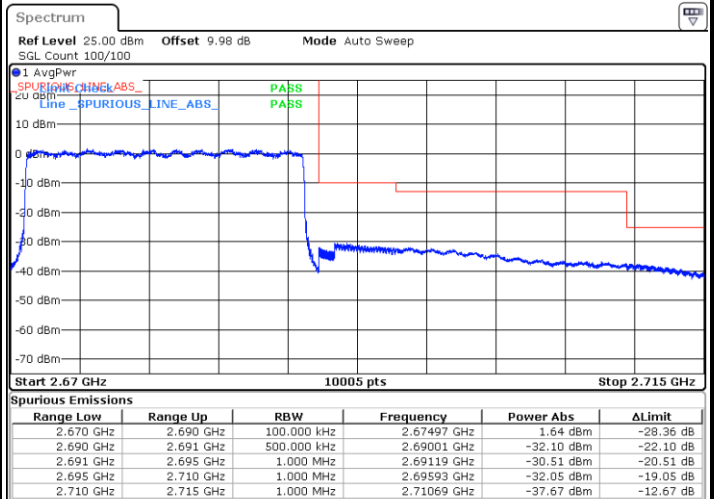
Date: 27.SEP.2022 03:34:56

Lowest Band Edge / Full RB



Date: 27.SEP.2022 03:23:42

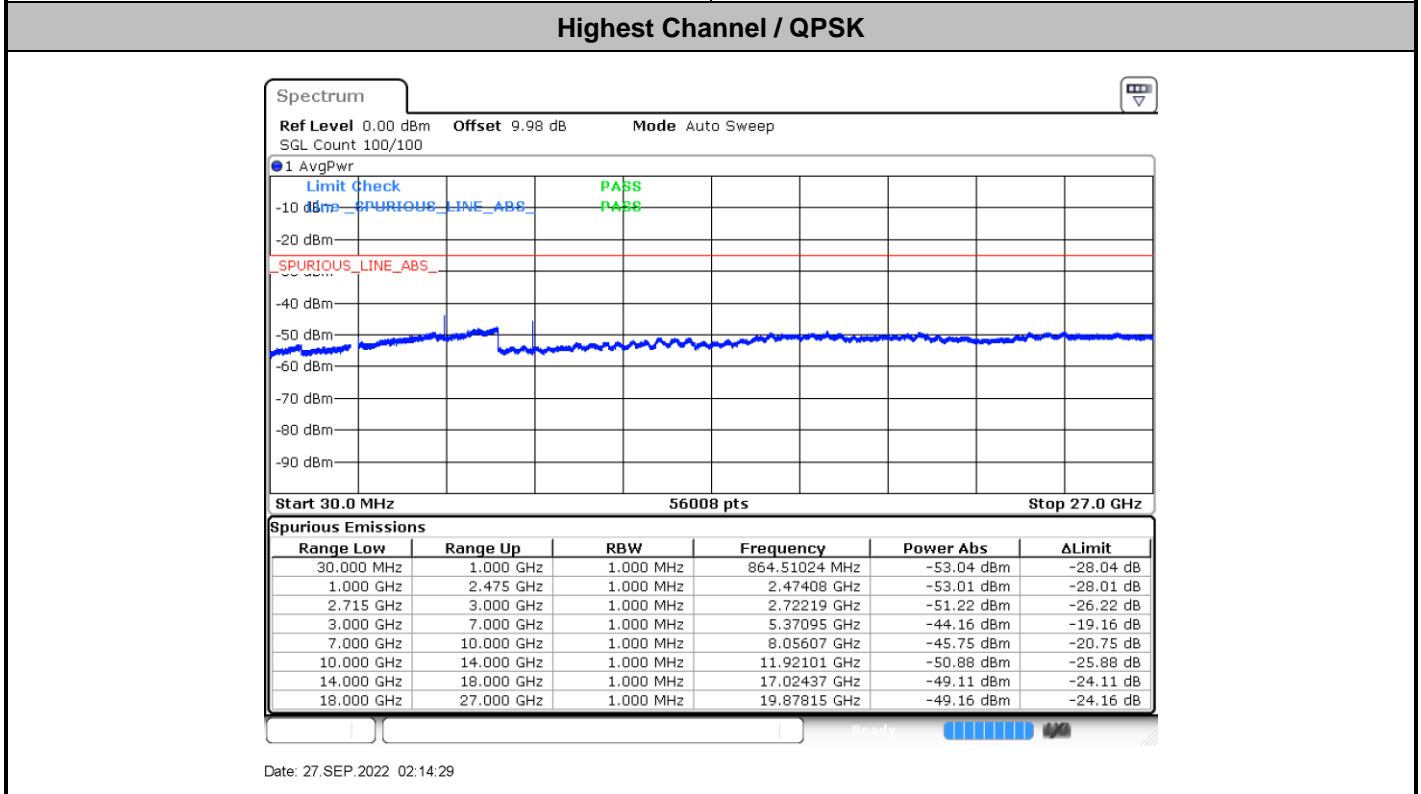
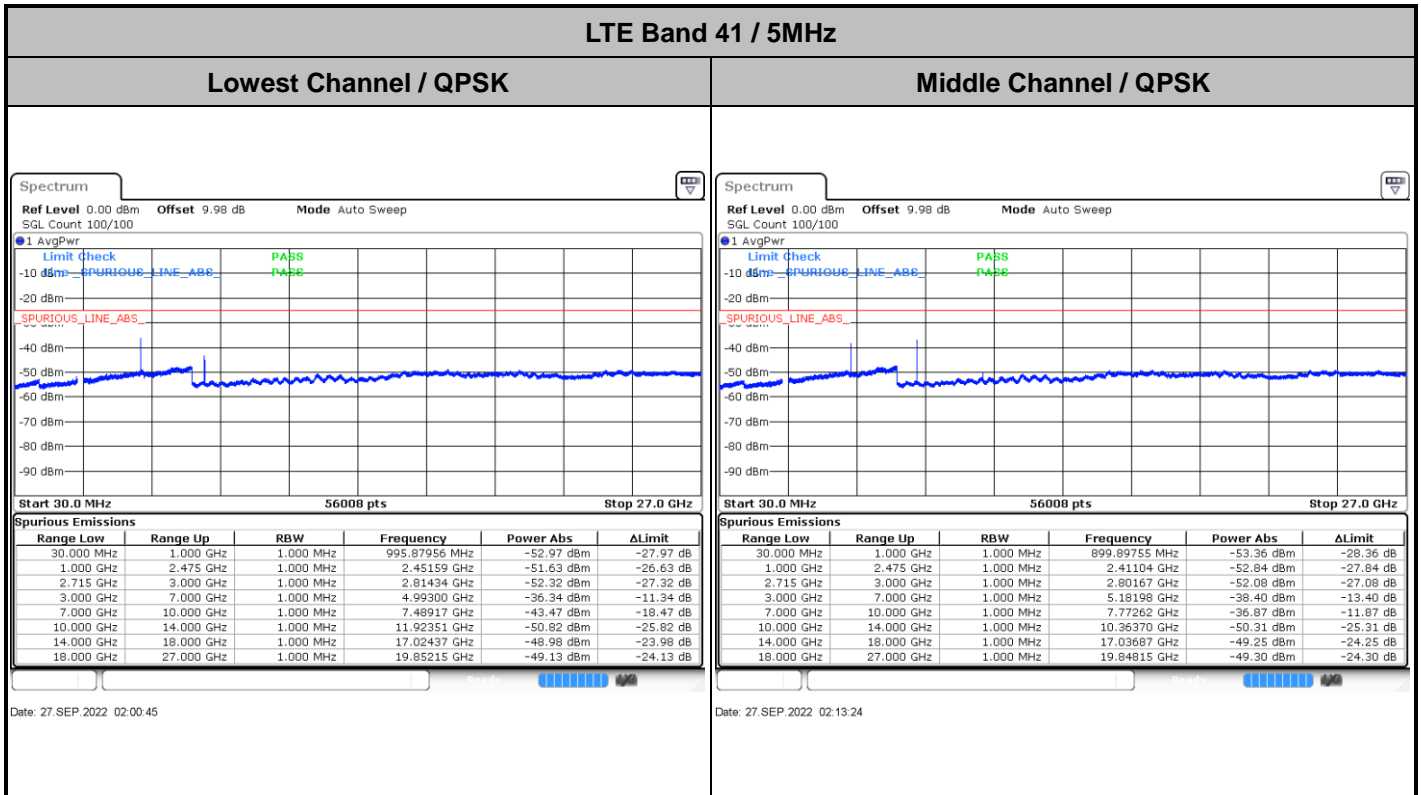
Highest Band Edge / Full RB



Date: 27.SEP.2022 03:36:44



Conducted Spurious Emission

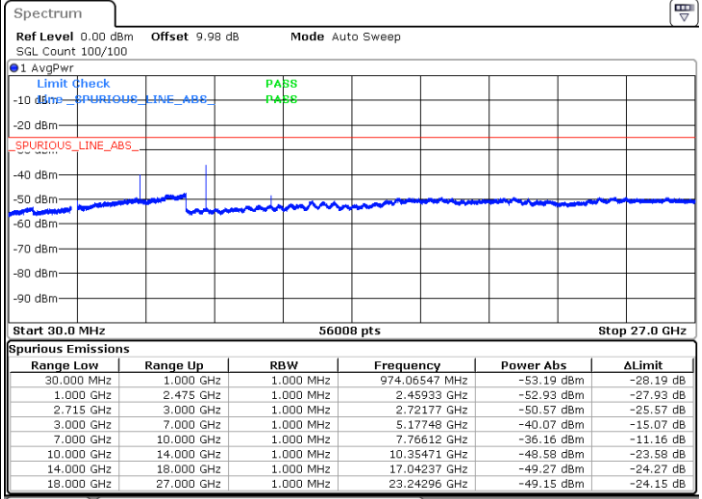
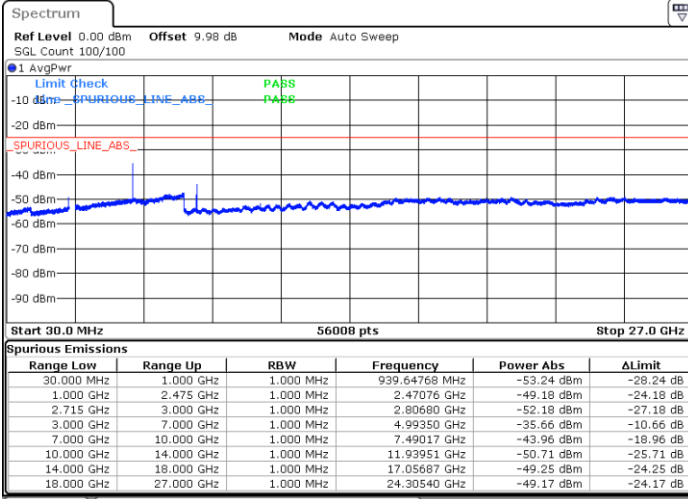




LTE Band 41 / 10MHz

Lowest Channel / QPSK

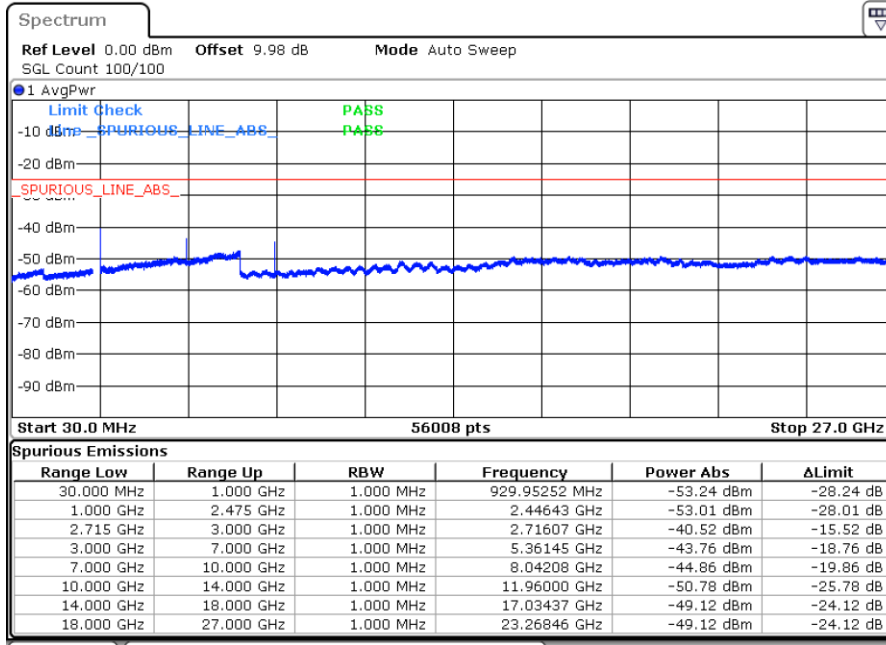
Middle Channel / QPSK



Date: 27.SEP.2022 02:26:26

Date: 27.SEP.2022 02:38:24

Highest Channel / QPSK



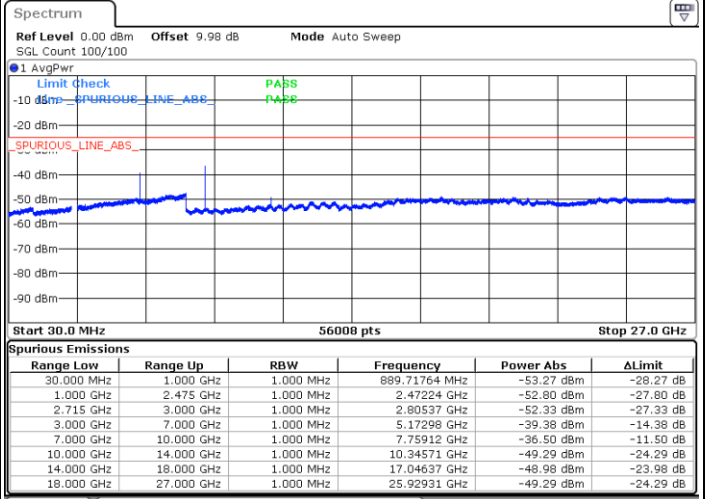
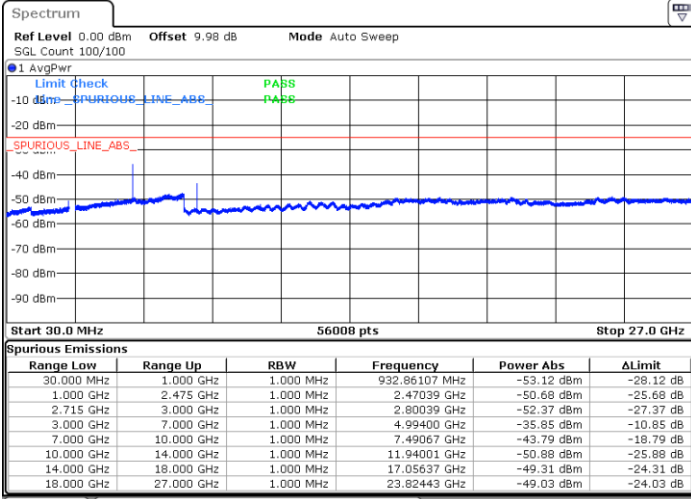
Date: 27.SEP.2022 02:39:29



LTE Band 41 / 15MHz

Lowest Channel / QPSK

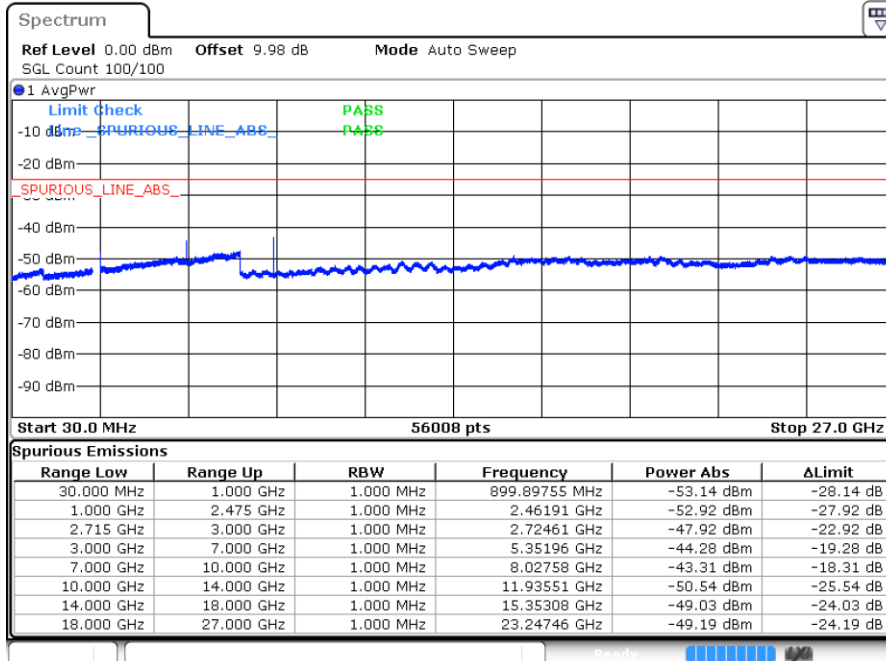
Middle Channel / QPSK



Date: 27.SEP.2022 02:51:27

Date: 27.SEP.2022 03:03:24

Highest Channel / QPSK



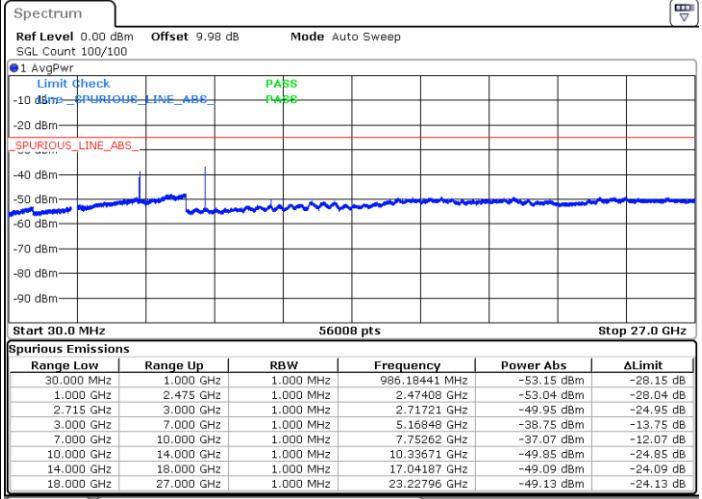
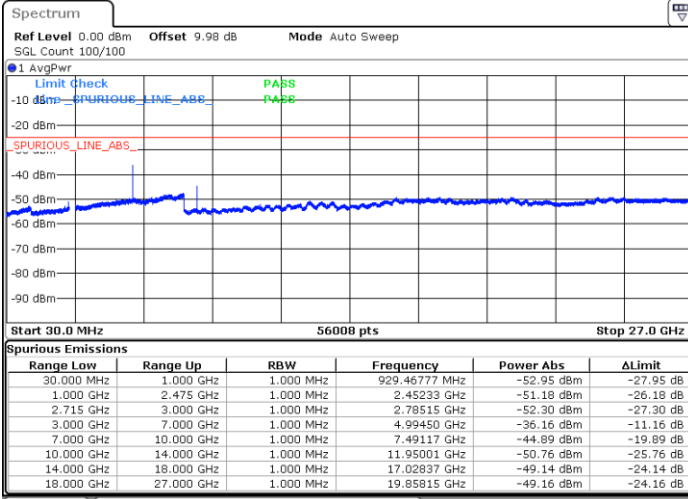
Date: 27.SEP.2022 03:04:30



LTE Band 41 / 20MHz

Lowest Channel / QPSK

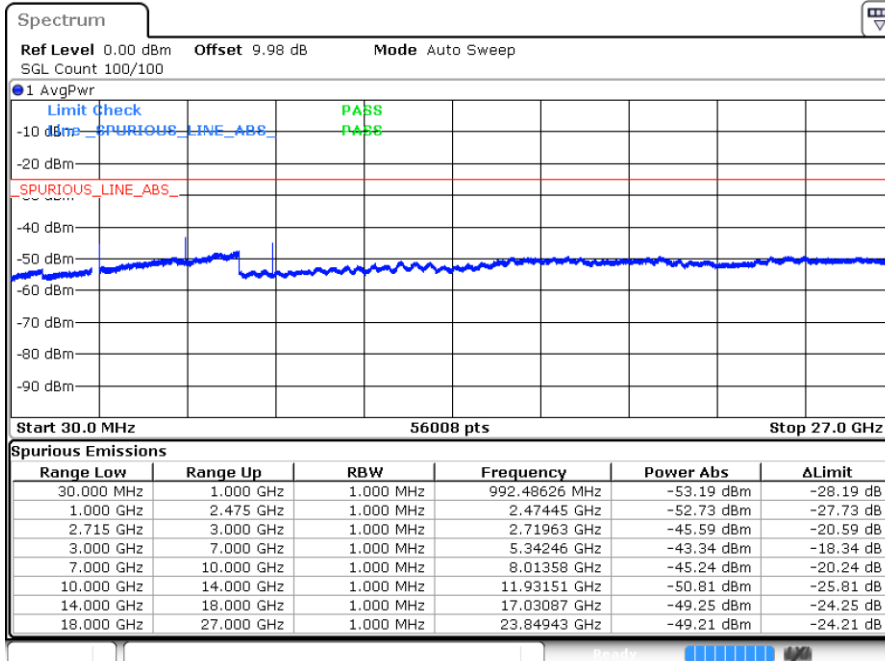
Middle Channel / QPSK



Date: 27.SEP.2022 03:16:27

Date: 27.SEP.2022 03:28:24

Highest Channel / QPSK



Date: 27.SEP.2022 03:29:29



Frequency Stability

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0017	PASS
40	Normal Voltage	0.0023	
30	Normal Voltage	0.0021	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0008	
-10	Normal Voltage	0.0012	
-20	Normal Voltage	0.0017	
-30	Normal Voltage	0.0023	
20	Maximum Voltage	0.0016	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0015	

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 71

Peak-to-Average Ratio

Mode	LTE Band 71 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.07	6.00	6.17	PASS