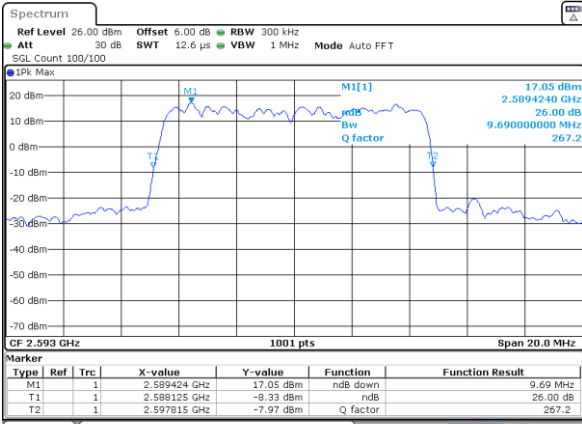




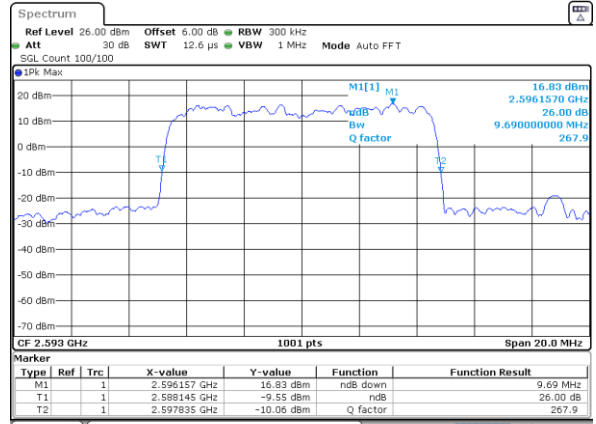
LTE Band 41

Middle Channel / 10MHz / QPSK



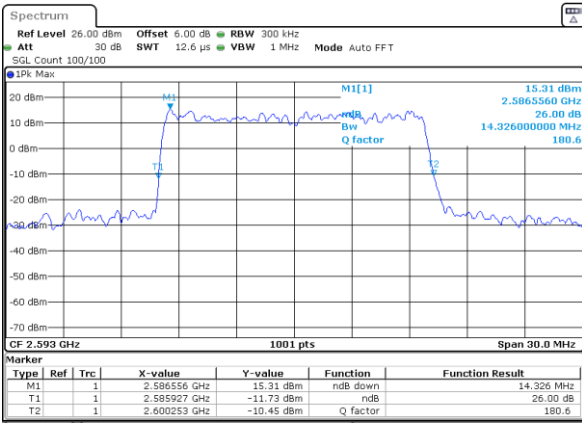
Date: 22.DEC.2022 11:53:00

Middle Channel / 10MHz / 16QAM



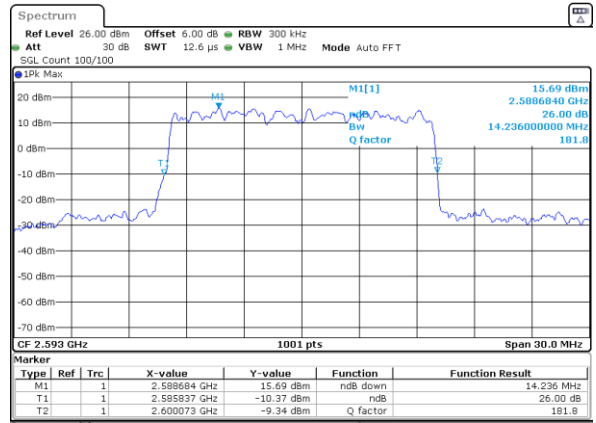
Date: 22.DEC.2022 11:53:22

Middle Channel / 15MHz / QPSK



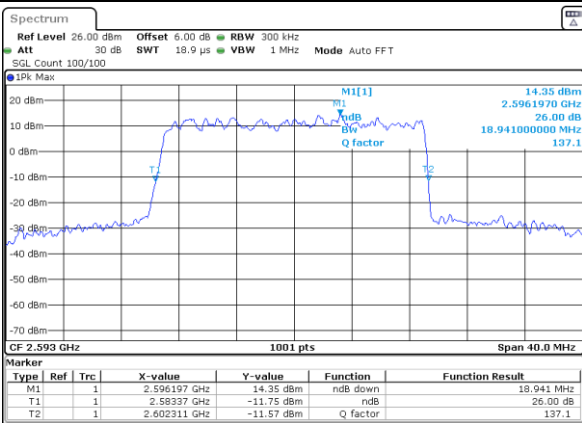
Date: 22.DEC.2022 11:54:26

Middle Channel / 15MHz / 16QAM



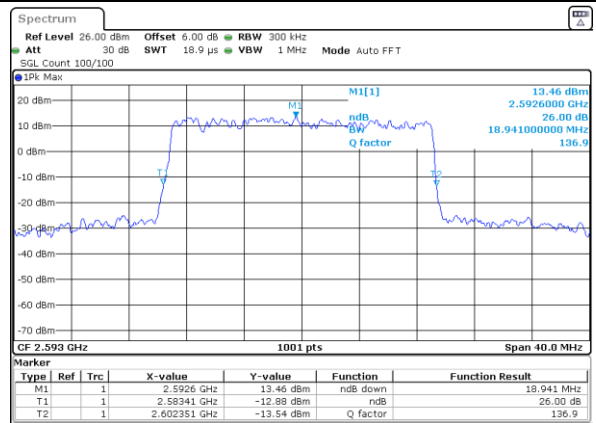
Date: 22.DEC.2022 11:54:47

Middle Channel / 20MHz / QPSK



Date: 22.DEC.2022 11:55:50

Middle Channel / 20MHz / 16QAM

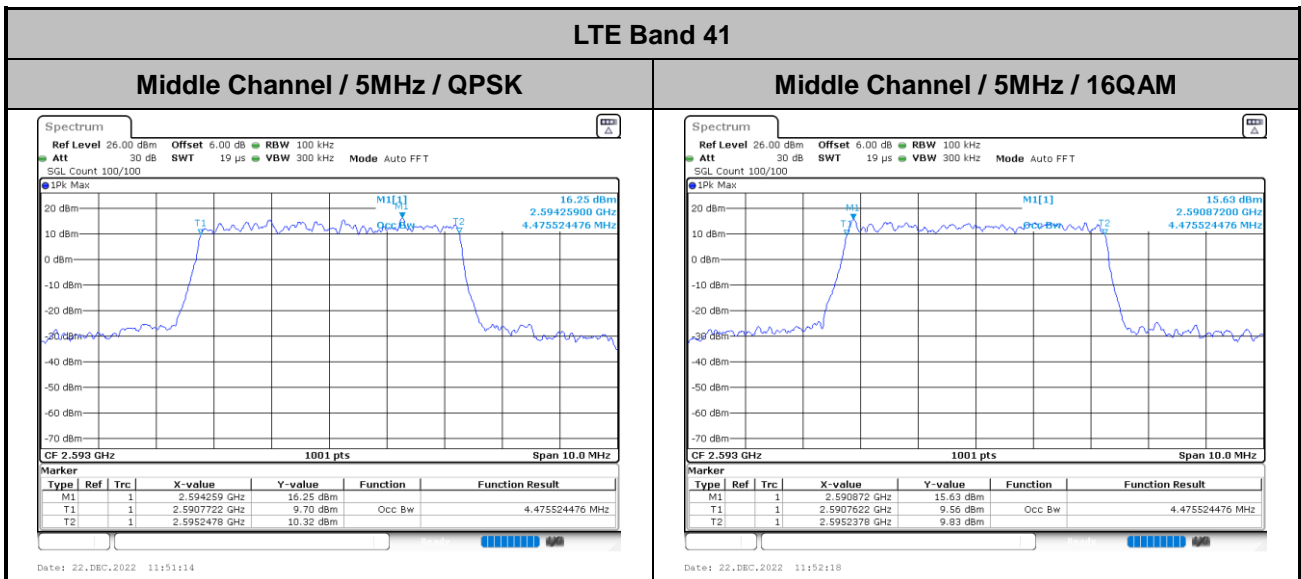


Date: 22.DEC.2022 11:56:11



Occupied Bandwidth

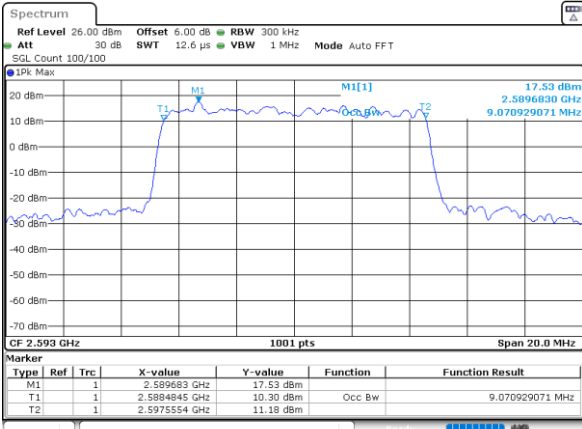
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.07	8.95
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.37
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.86	17.82





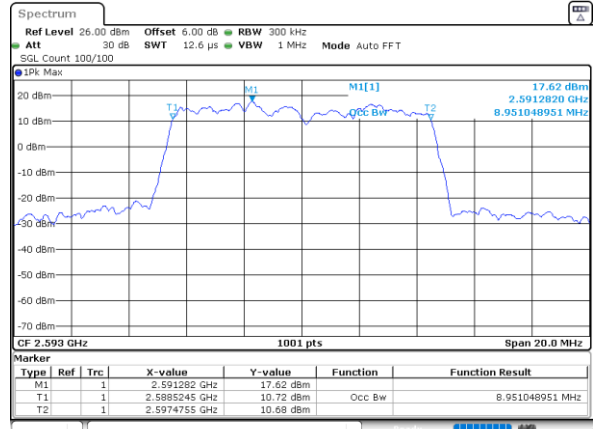
LTE Band 41

Middle Channel / 10MHz / QPSK



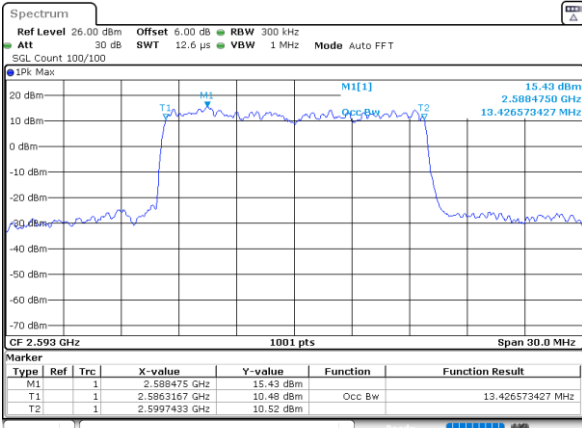
Date: 22.DEC.2022 11:52:19

Middle Channel / 10MHz / 16QAM



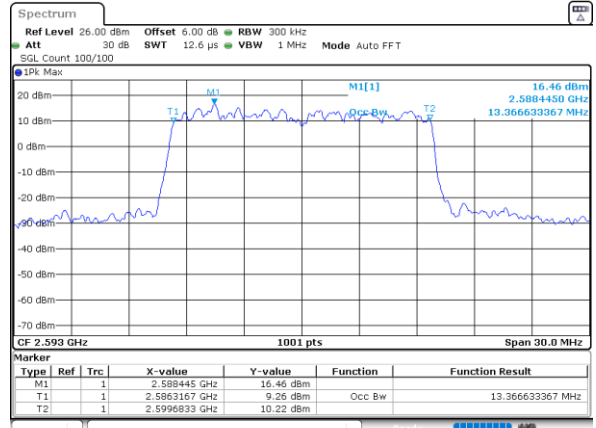
Date: 22.DEC.2022 11:53:43

Middle Channel / 15MHz / QPSK



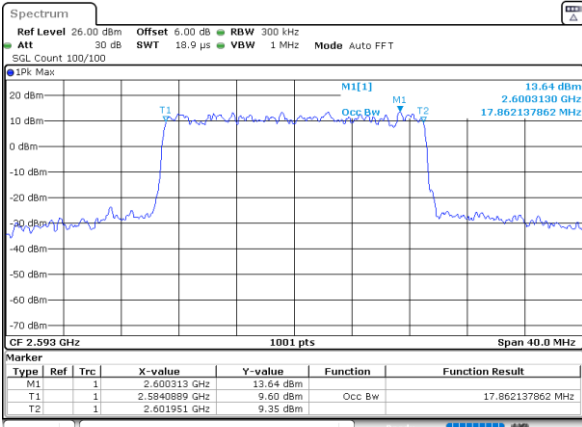
Date: 22.DEC.2022 11:54:04

Middle Channel / 15MHz / 16QAM



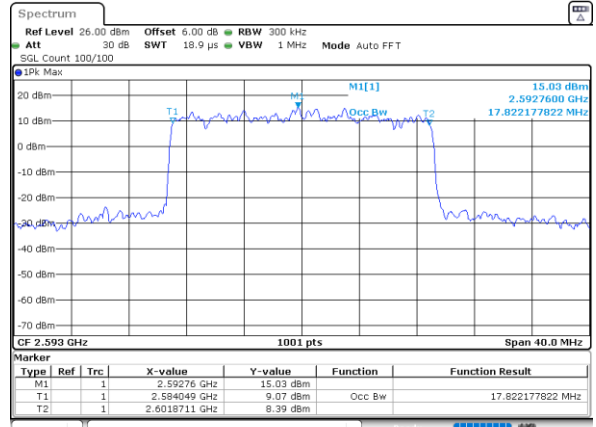
Date: 22.DEC.2022 11:55:08

Middle Channel / 20MHz / QPSK



Date: 22.DEC.2022 11:55:29

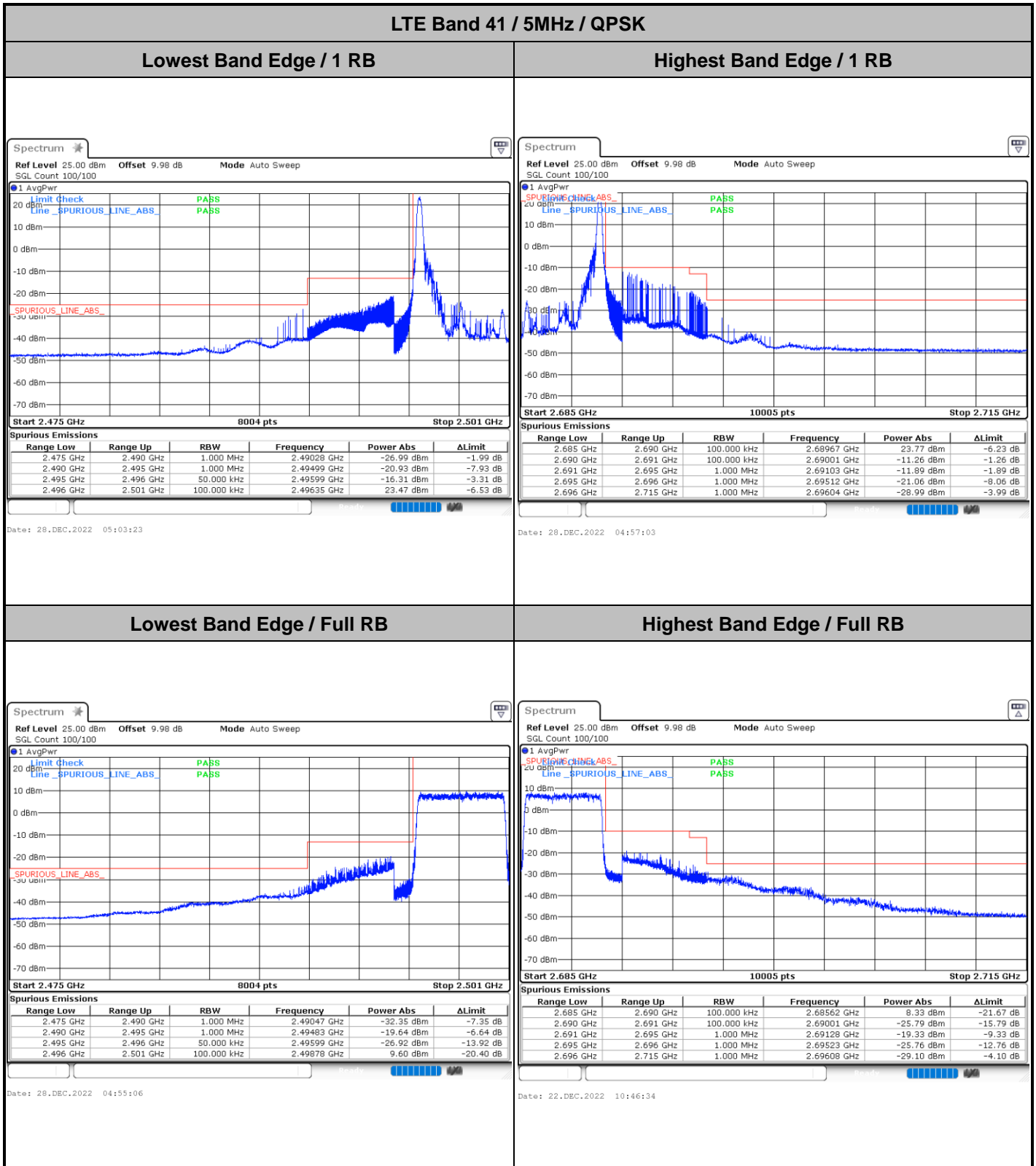
Middle Channel / 20MHz / 16QAM



Date: 22.DEC.2022 11:56:13



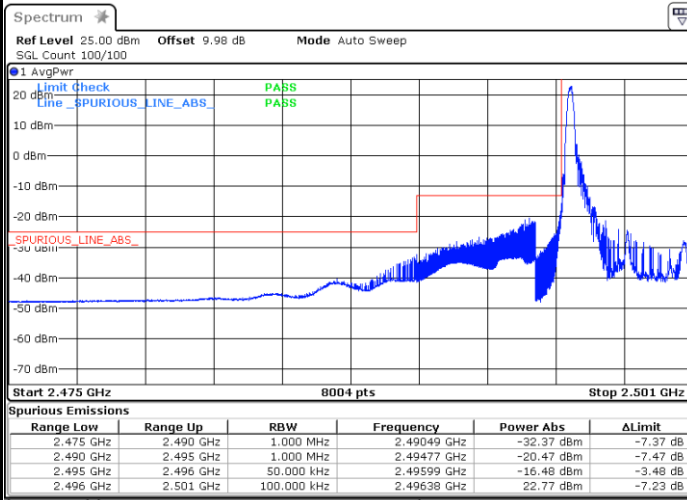
Conducted Band Edge





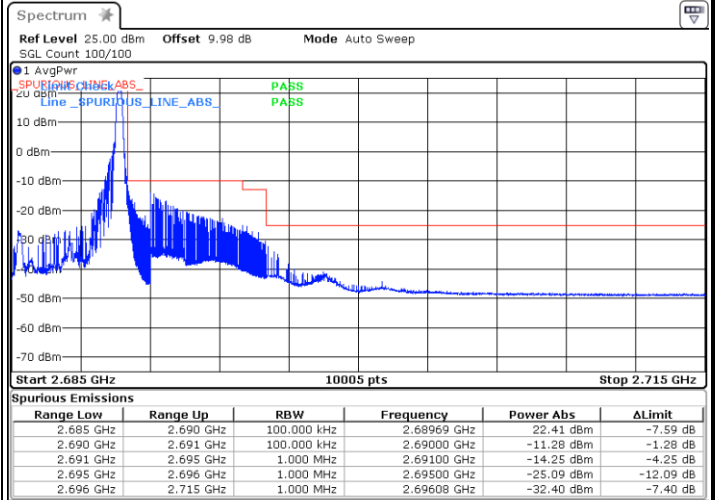
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



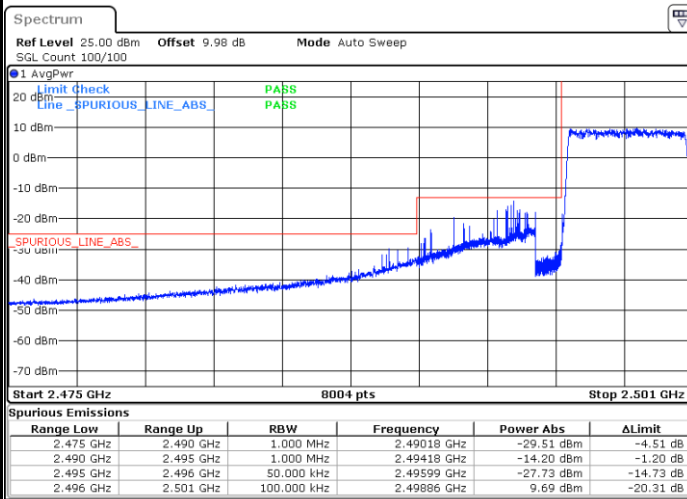
Date: 28.DEC.2022 05:04:36

Highest Band Edge / 1 RB



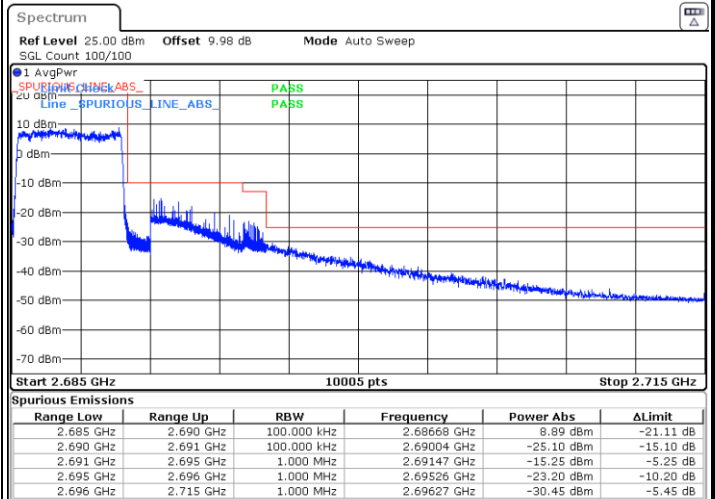
Date: 28.DEC.2022 04:58:28

Lowest Band Edge / Full RB



Date: 28.DEC.2022 04:55:51

Highest Band Edge / Full RB

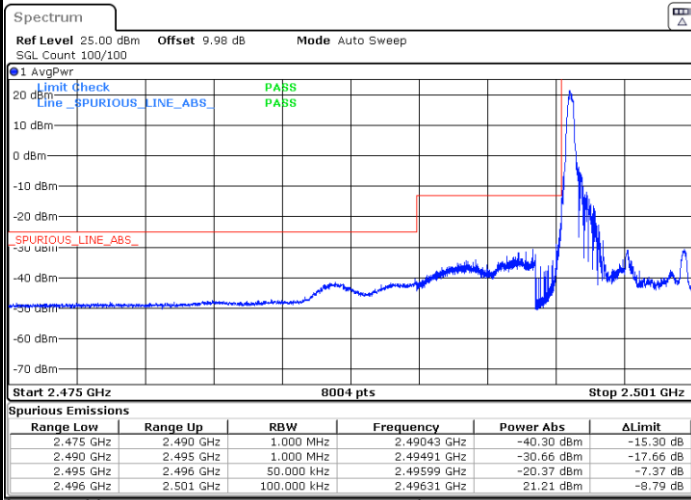


Date: 22.DEC.2022 10:45:14



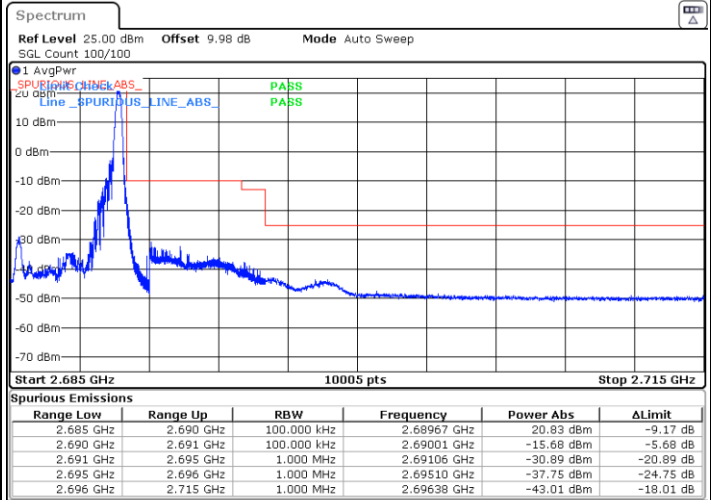
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



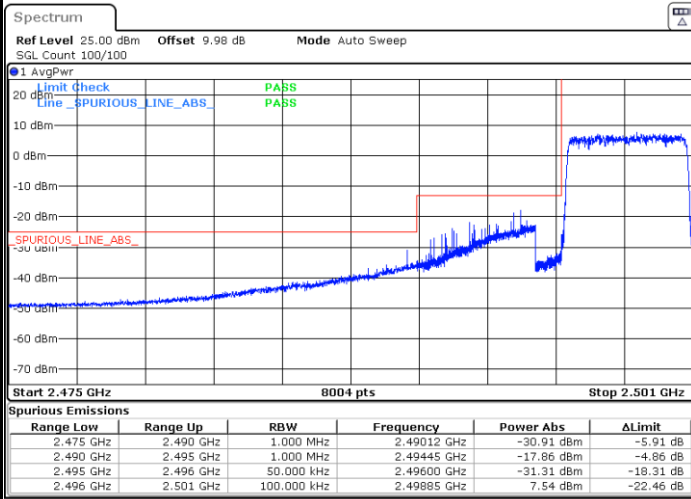
Date: 22.DEC.2022 10:31:18

Highest Band Edge / 1 RB



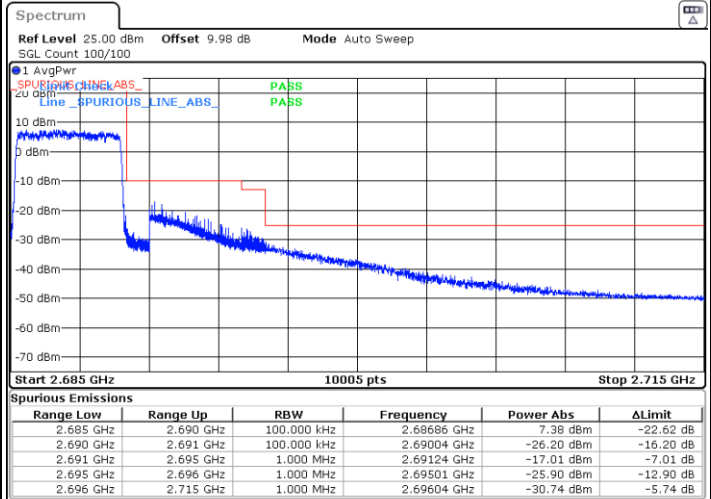
Date: 22.DEC.2022 10:42:31

Lowest Band Edge / Full RB



Date: 22.DEC.2022 10:32:48

Highest Band Edge / Full RB

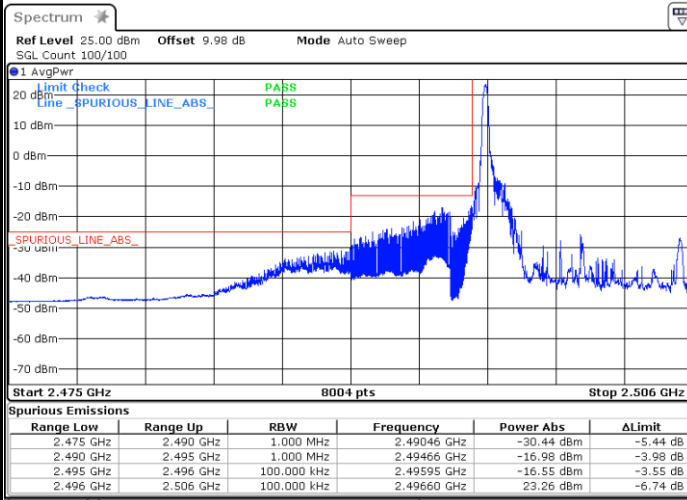


Date: 22.DEC.2022 10:43:52



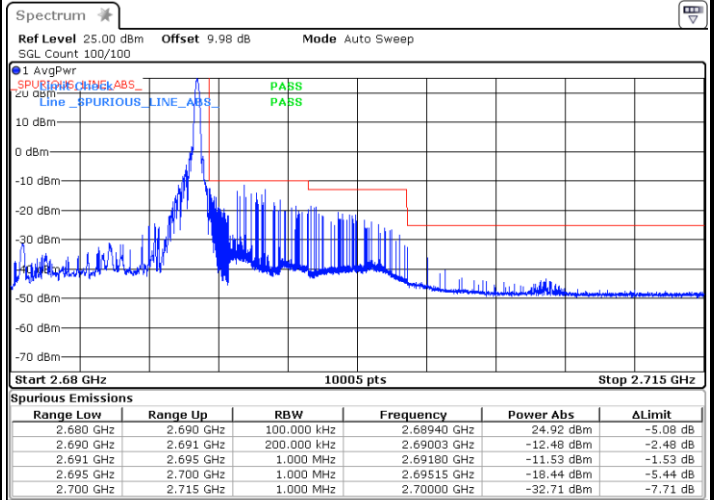
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



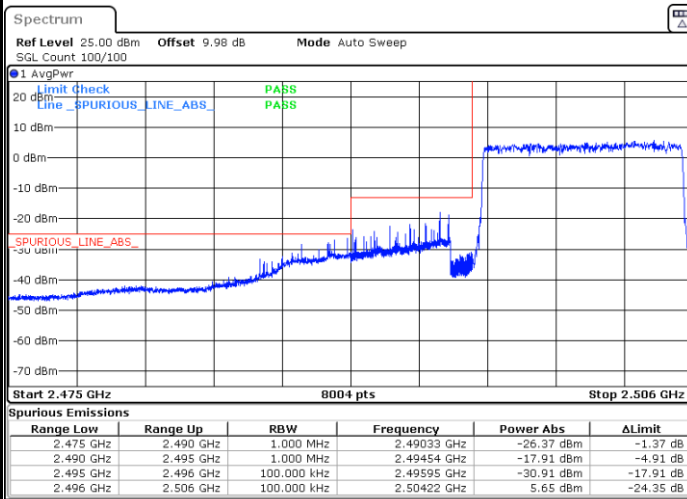
Date: 28.DEC.2022 05:06:19

Highest Band Edge / 1 RB



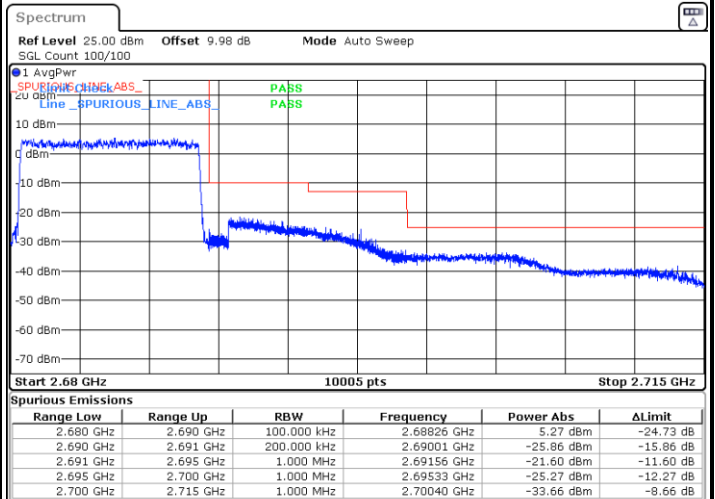
Date: 28.DEC.2022 05:09:29

Lowest Band Edge / Full RB



Date: 22.DEC.2022 10:56:00

Highest Band Edge / Full RB

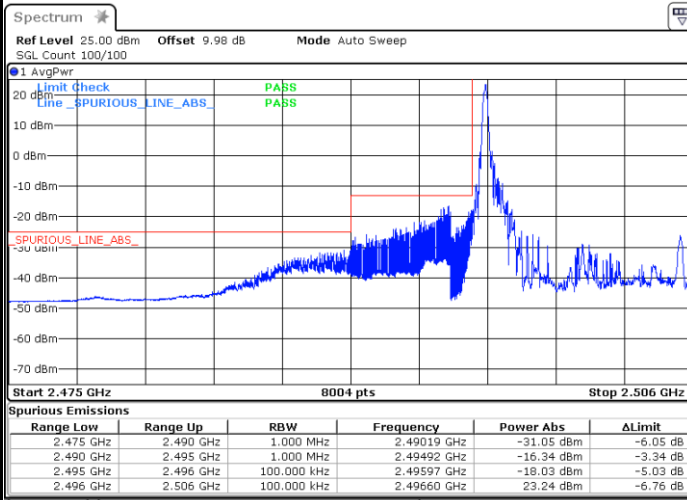


Date: 22.DEC.2022 11:06:42



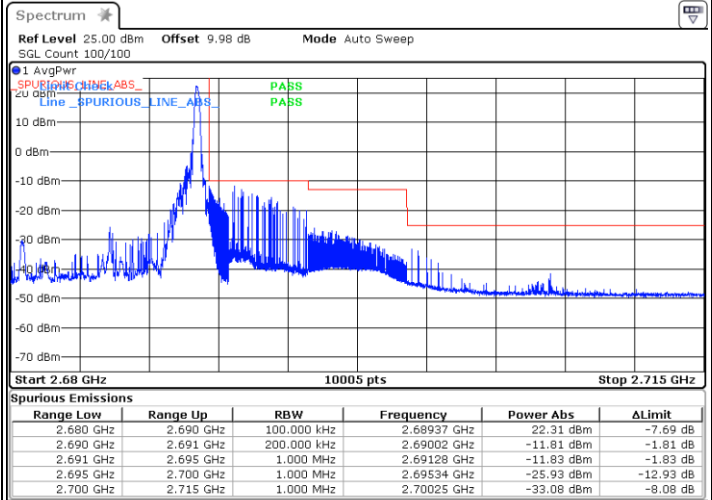
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



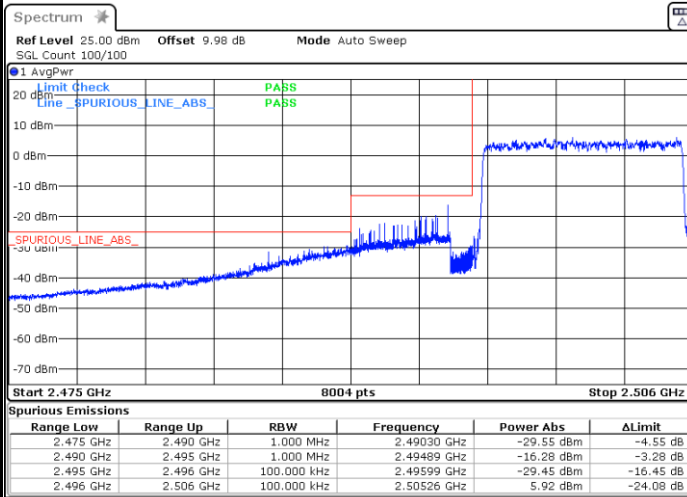
Date: 28.DEC.2022 05:07:25

Highest Band Edge / 1 RB



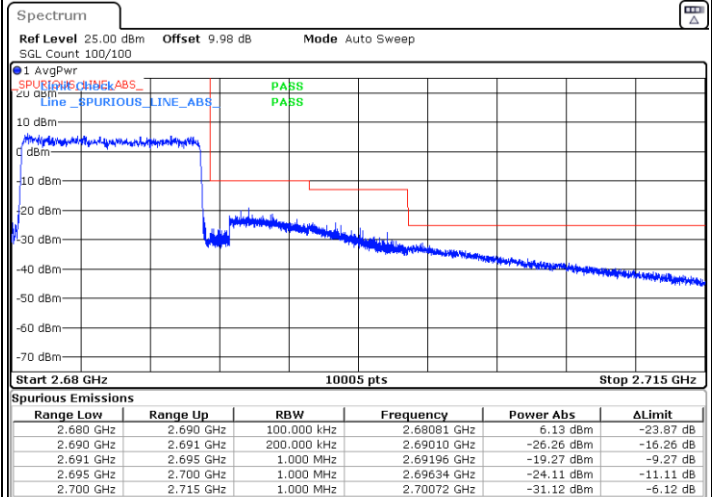
Date: 28.DEC.2022 05:08:25

Lowest Band Edge / Full RB



Date: 22.DEC.2022 10:54:39

Highest Band Edge / Full RB

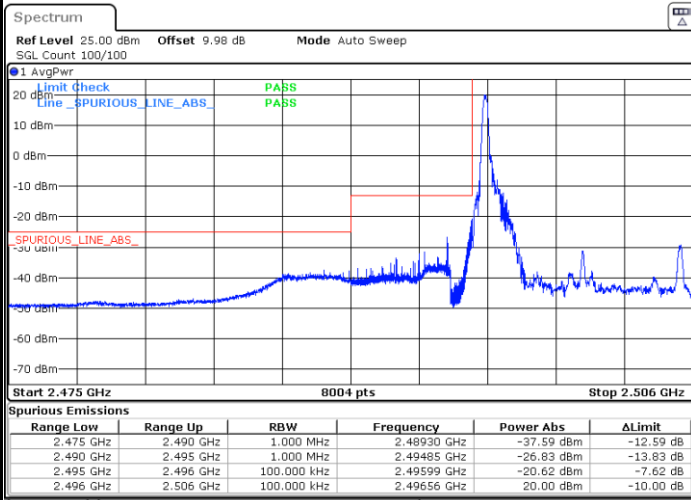


Date: 22.DEC.2022 11:05:21



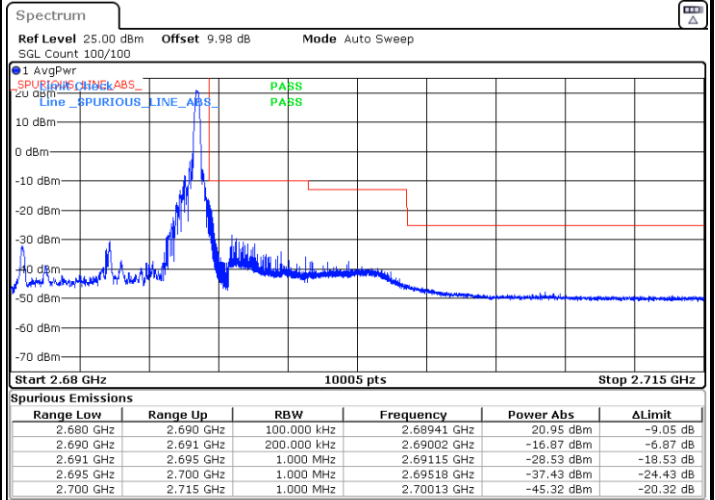
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



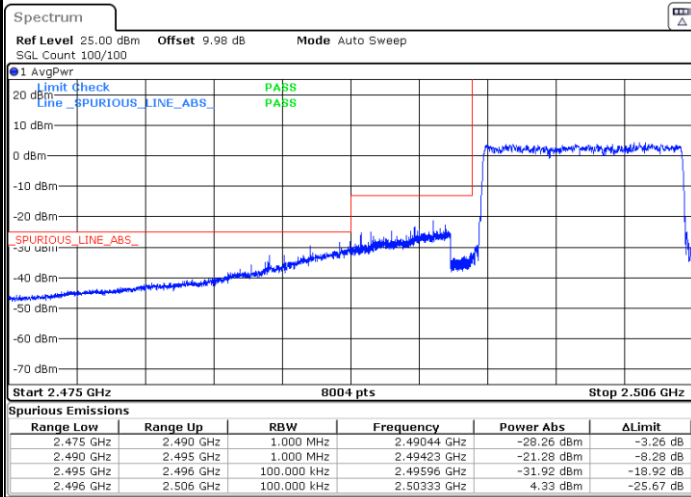
Date: 22.DEC.2022 10:51:57

Highest Band Edge / 1 RB



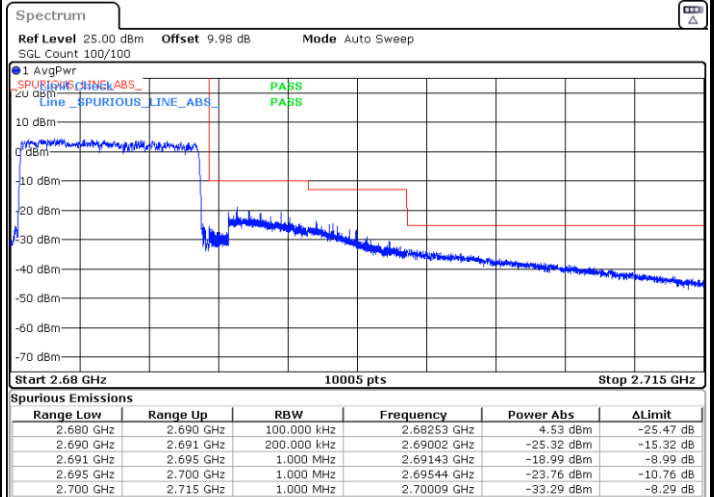
Date: 22.DEC.2022 11:02:41

Lowest Band Edge / Full RB



Date: 22.DEC.2022 10:53:18

Highest Band Edge / Full RB

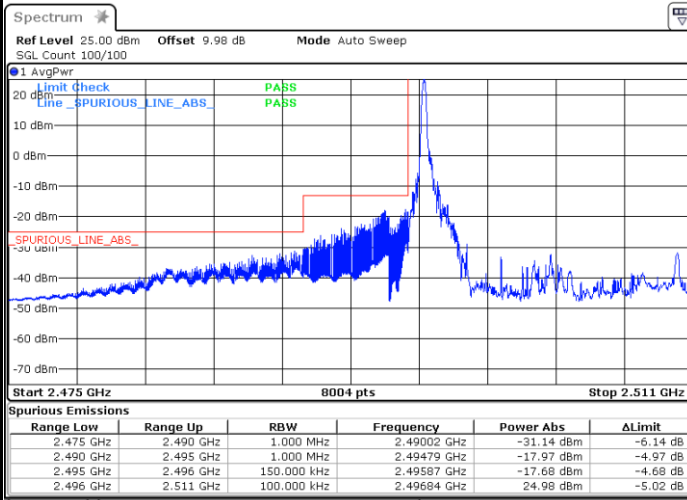


Date: 22.DEC.2022 11:04:01



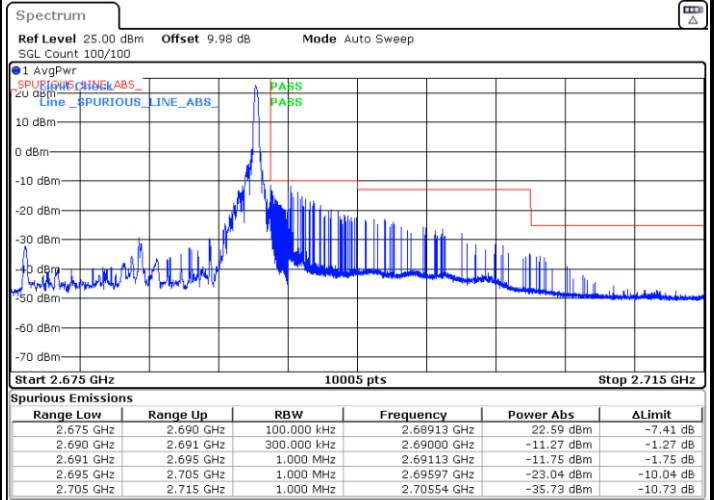
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



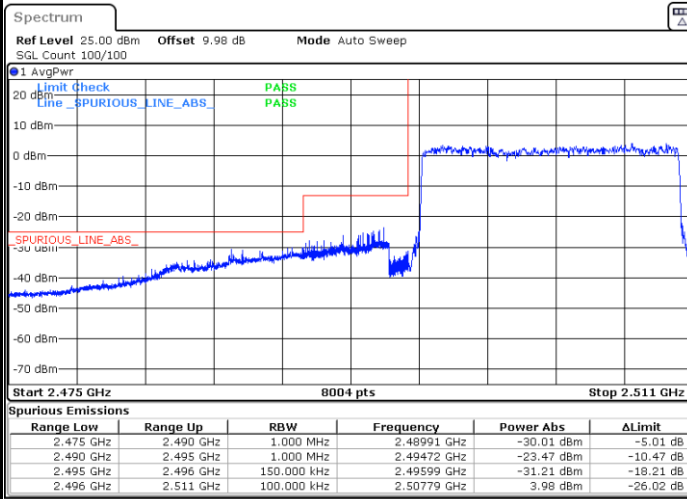
Date: 28.DEC.2022 05:11:01

Highest Band Edge / 1 RB



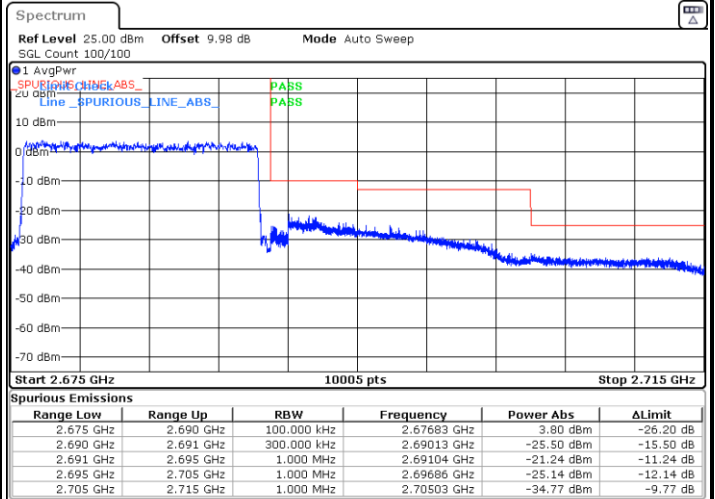
Date: 22.DEC.2022 11:20:07

Lowest Band Edge / Full RB



Date: 22.DEC.2022 11:16:08

Highest Band Edge / Full RB

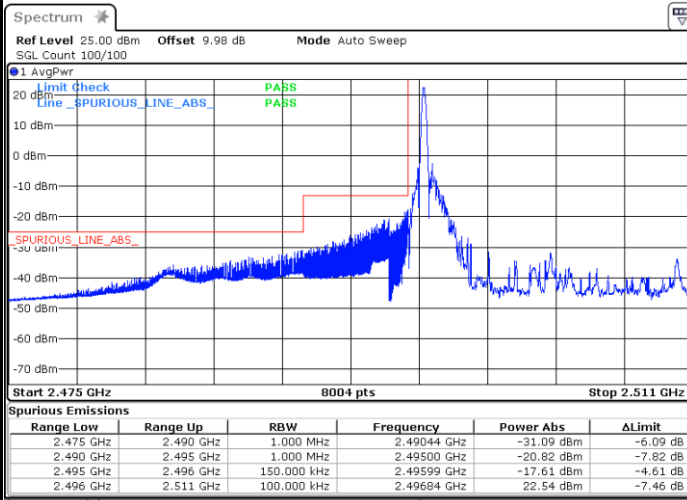


Date: 22.DEC.2022 11:26:47



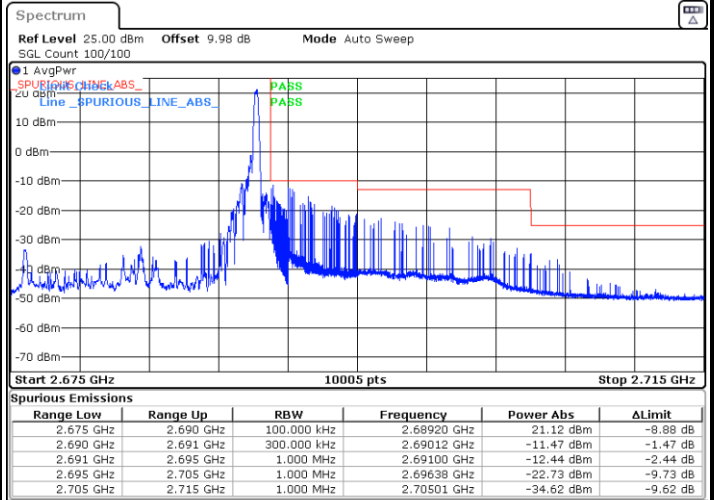
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



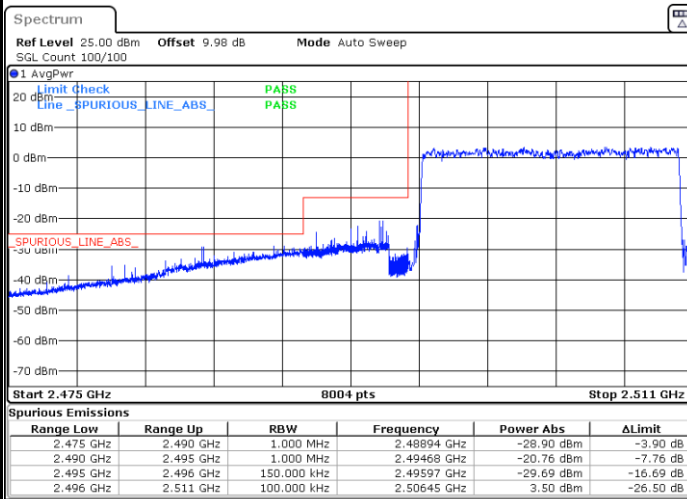
Date: 28.DEC.2022 05:12:19

Highest Band Edge / 1 RB



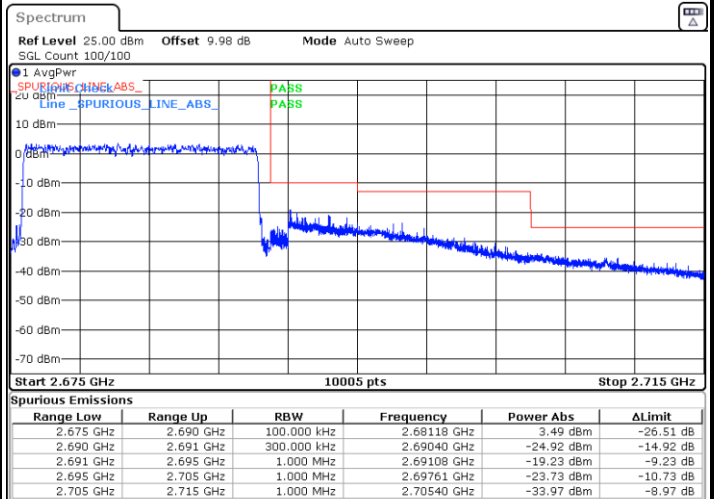
Date: 22.DEC.2022 11:21:27

Lowest Band Edge / Full RB



Date: 22.DEC.2022 11:14:47

Highest Band Edge / Full RB

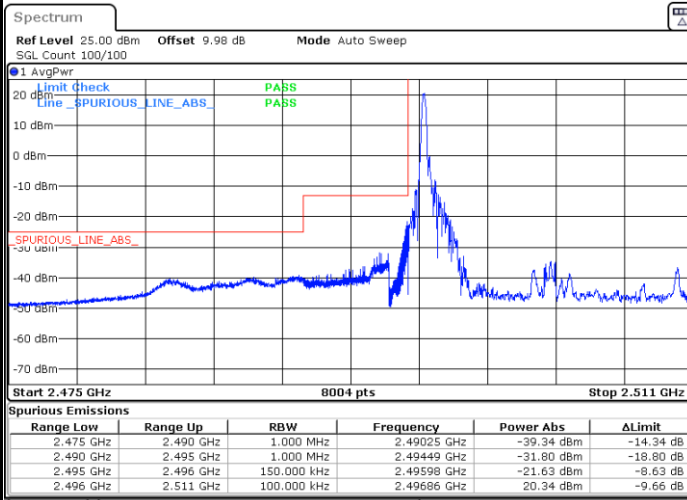


Date: 22.DEC.2022 11:25:27



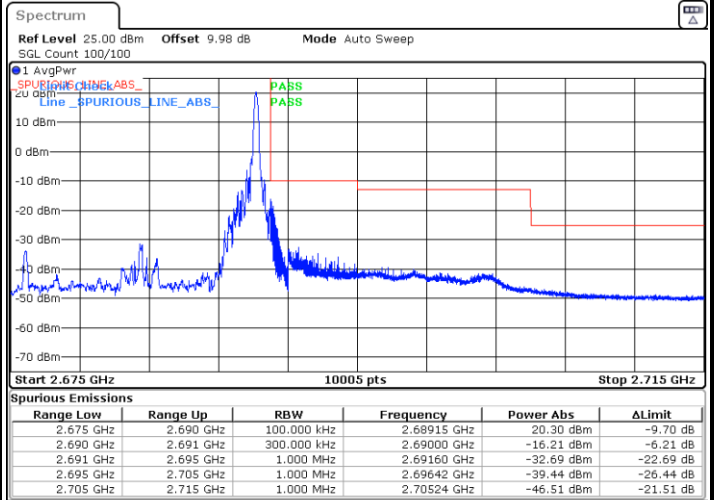
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



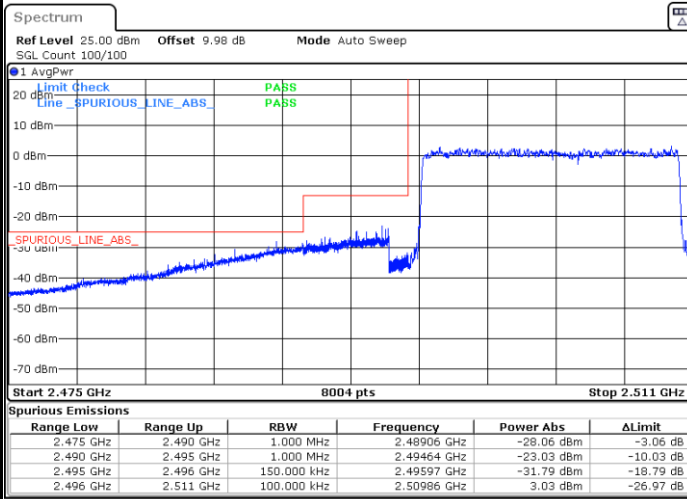
Date: 22.DEC.2022 11:12:05

Highest Band Edge / 1 RB



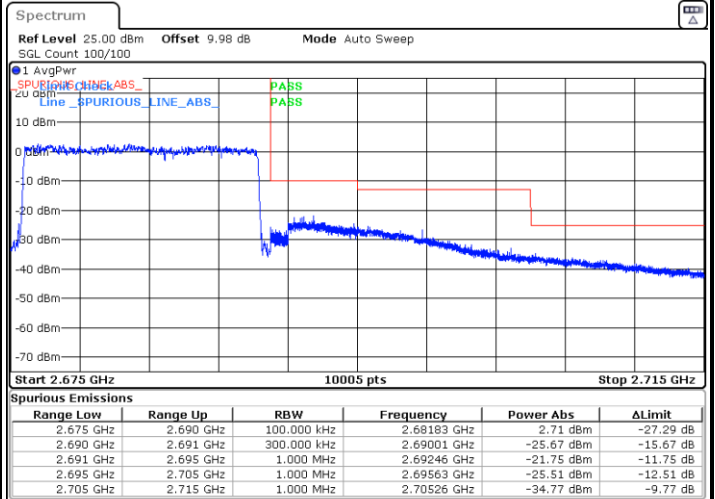
Date: 22.DEC.2022 11:22:47

Lowest Band Edge / Full RB



Date: 22.DEC.2022 11:13:26

Highest Band Edge / Full RB

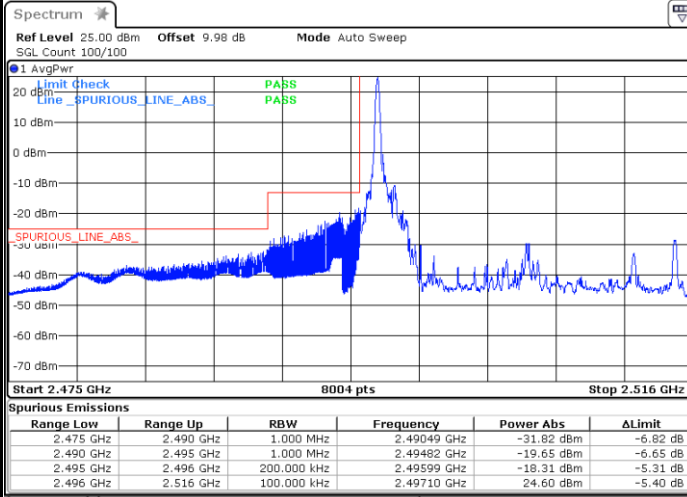


Date: 22.DEC.2022 11:24:07



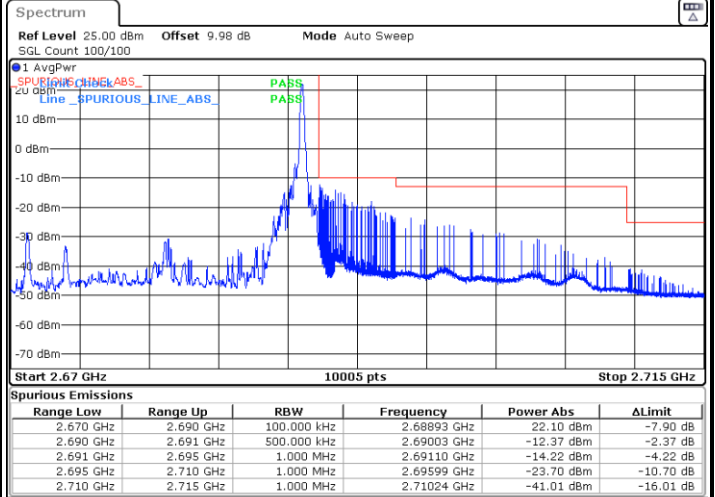
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



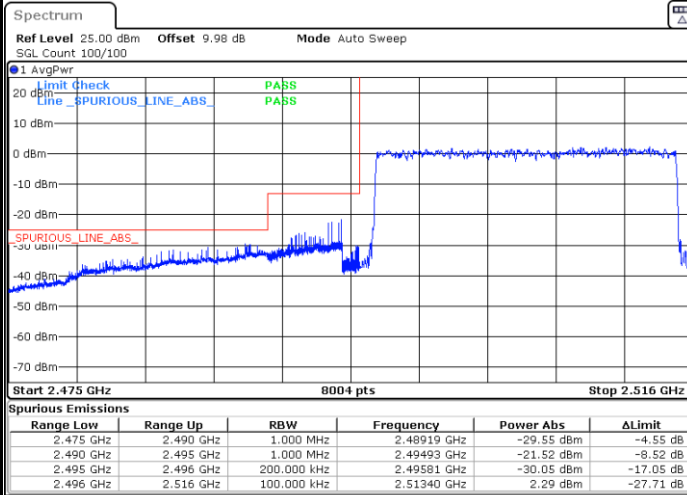
Date: 28.DEC.2022 05:13:55

Highest Band Edge / 1 RB



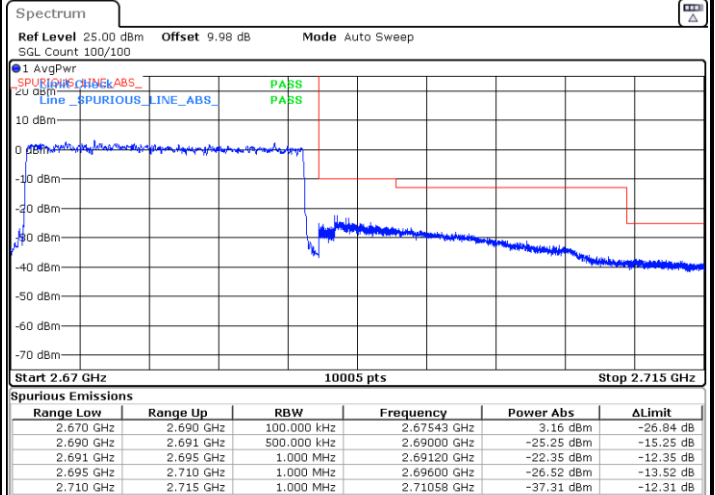
Date: 22.DEC.2022 11:40:09

Lowest Band Edge / Full RB



Date: 22.DEC.2022 11:36:10

Highest Band Edge / Full RB

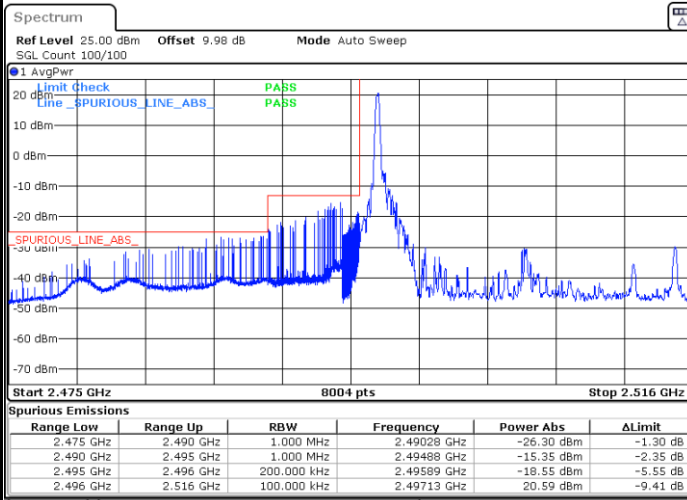


Date: 22.DEC.2022 11:46:50



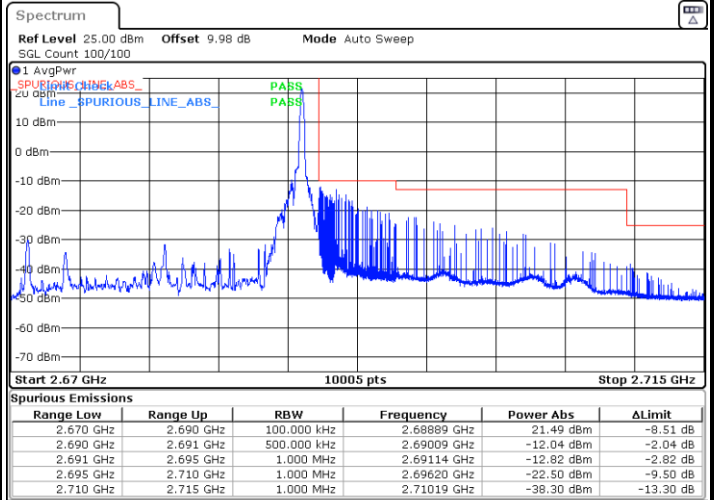
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



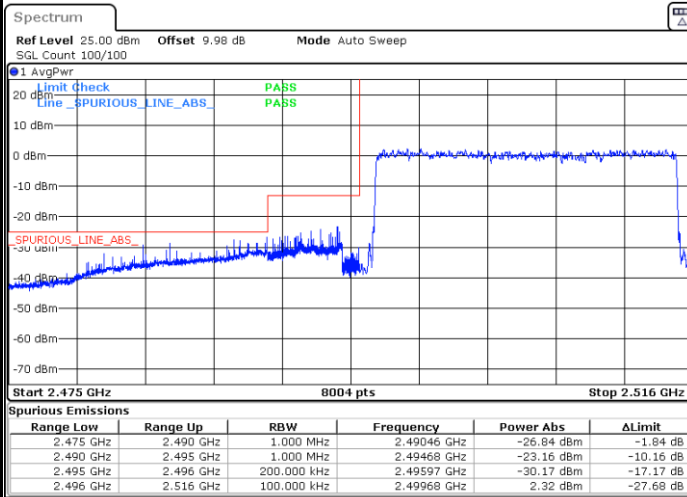
Date: 22.DEC.2022 11:30:49

Highest Band Edge / 1 RB



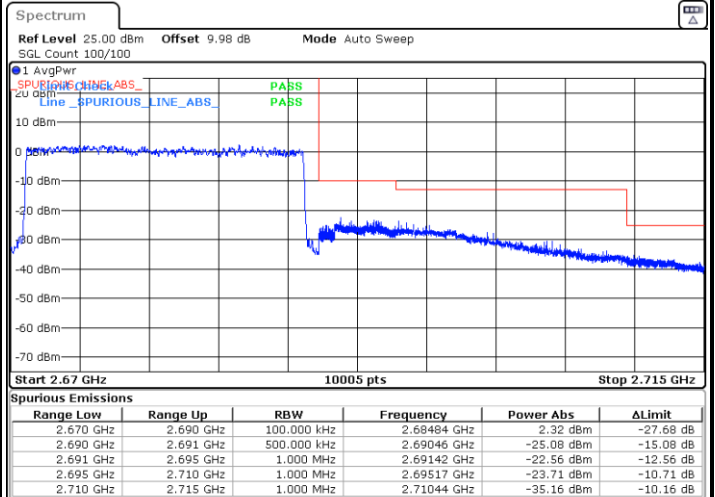
Date: 22.DEC.2022 11:41:30

Lowest Band Edge / Full RB



Date: 22.DEC.2022 11:34:50

Highest Band Edge / Full RB

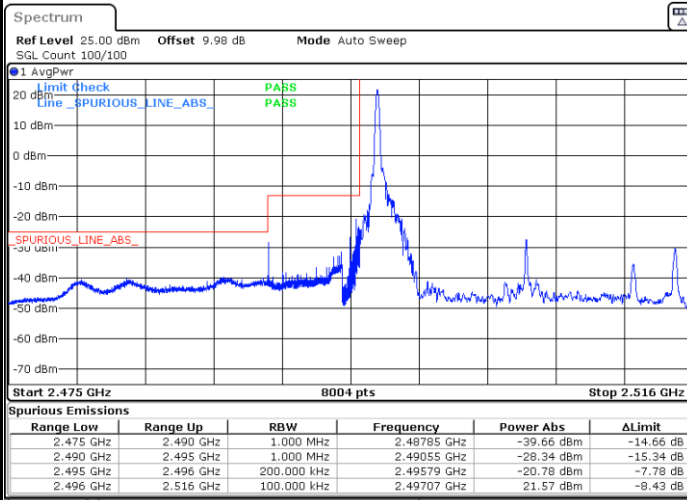


Date: 22.DEC.2022 11:45:29



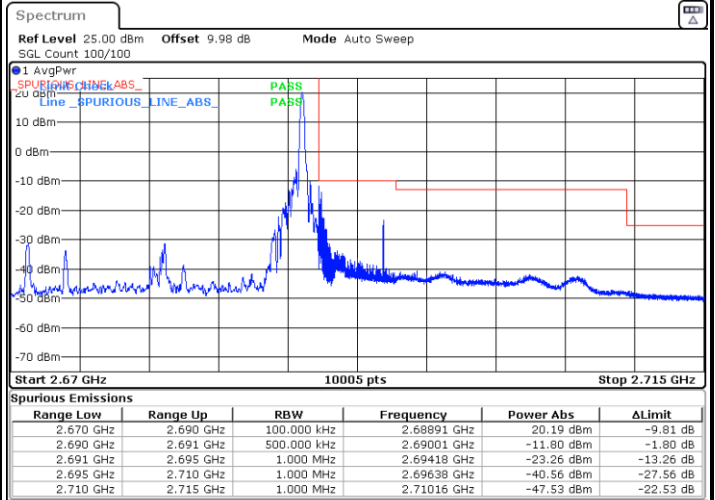
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



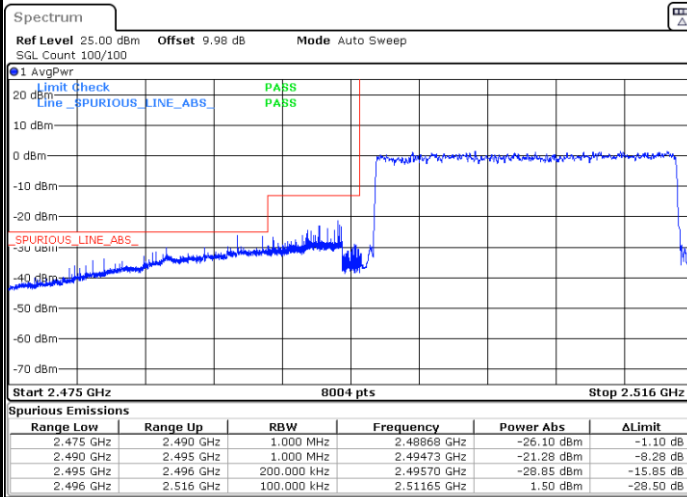
Date: 22.DEC.2022 11:32:10

Highest Band Edge / 1 RB



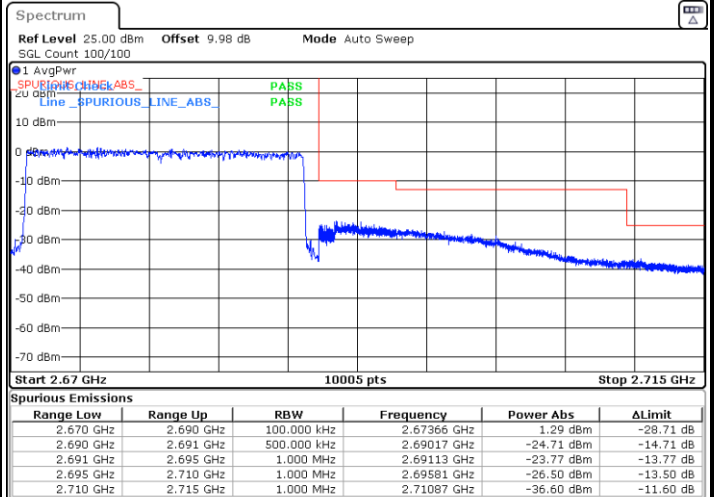
Date: 22.DEC.2022 11:42:50

Lowest Band Edge / Full RB



Date: 22.DEC.2022 11:33:30

Highest Band Edge / Full RB



Date: 22.DEC.2022 11:44:10



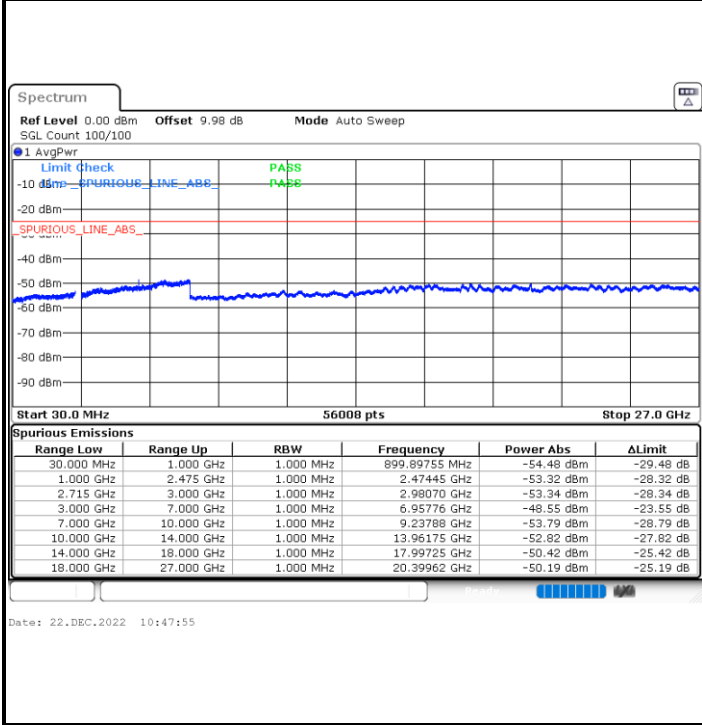
Conducted Spurious Emission



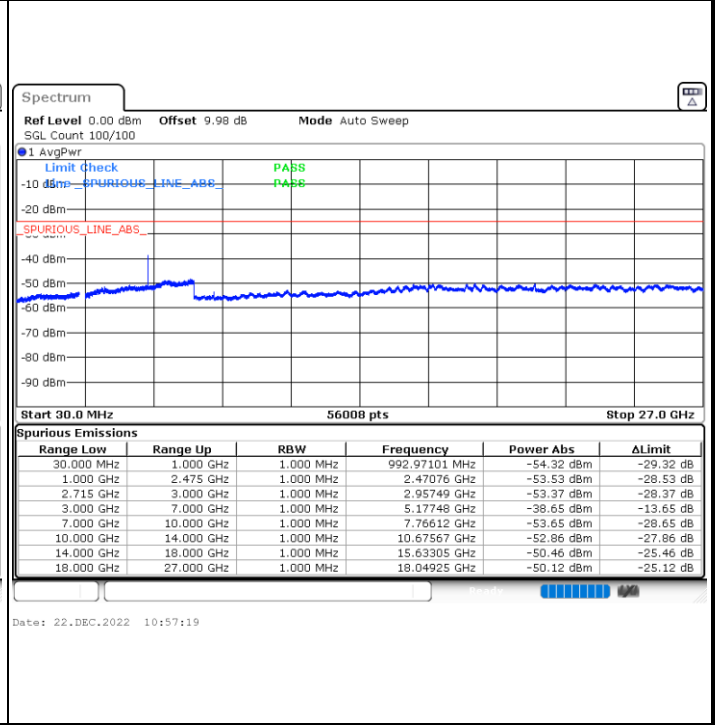


LTE Band 41 / 10MHz

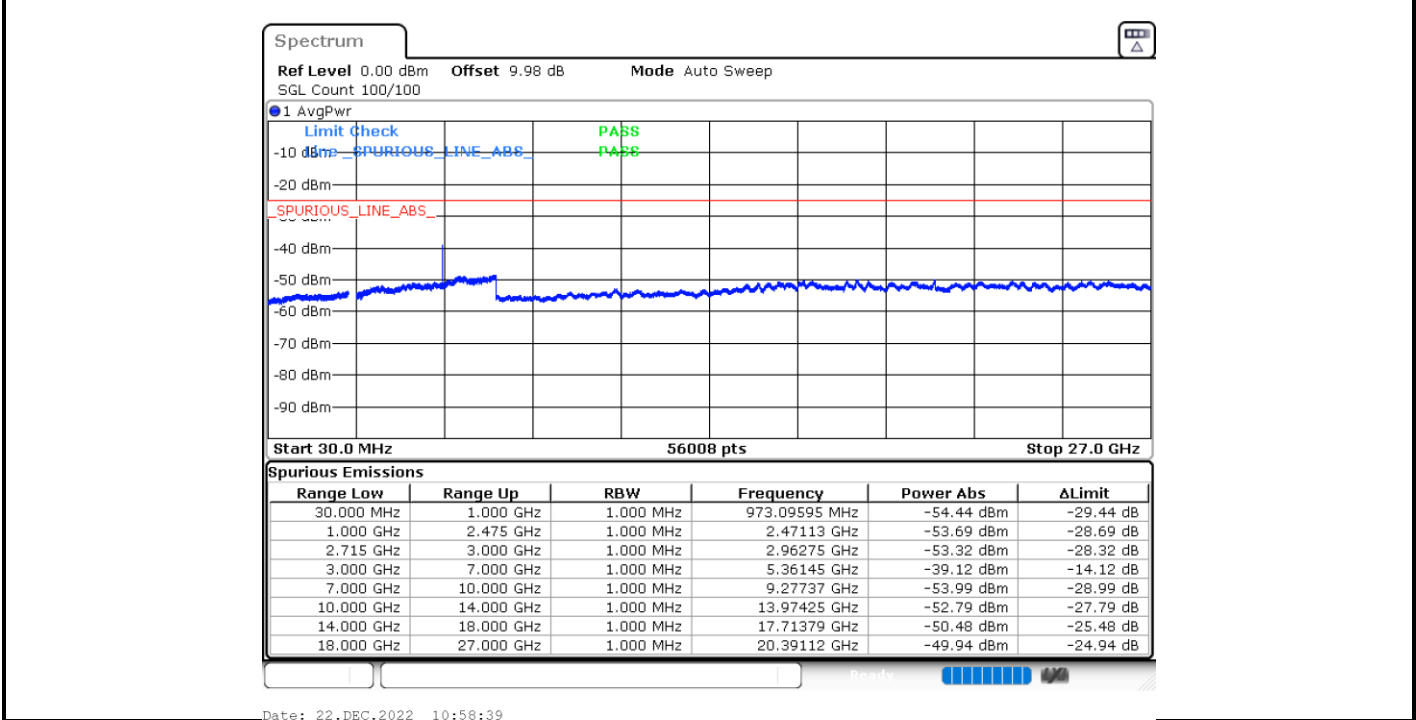
Lowest Channel / QPSK



Middle Channel / QPSK



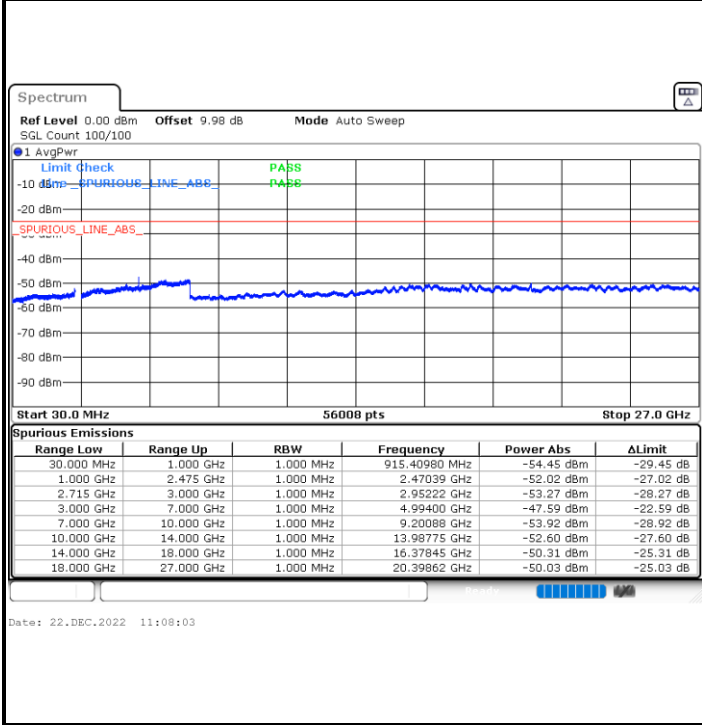
Highest Channel / QPSK



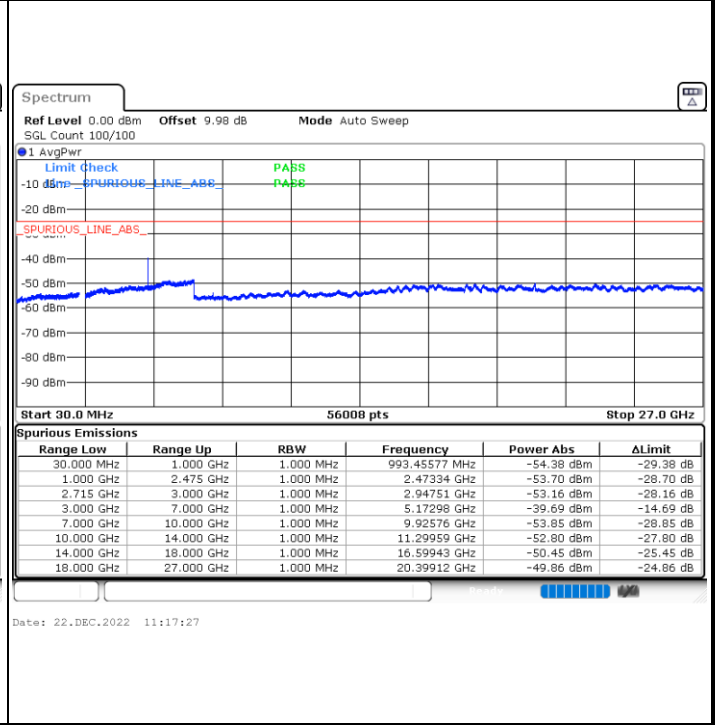


LTE Band 41 / 15MHz

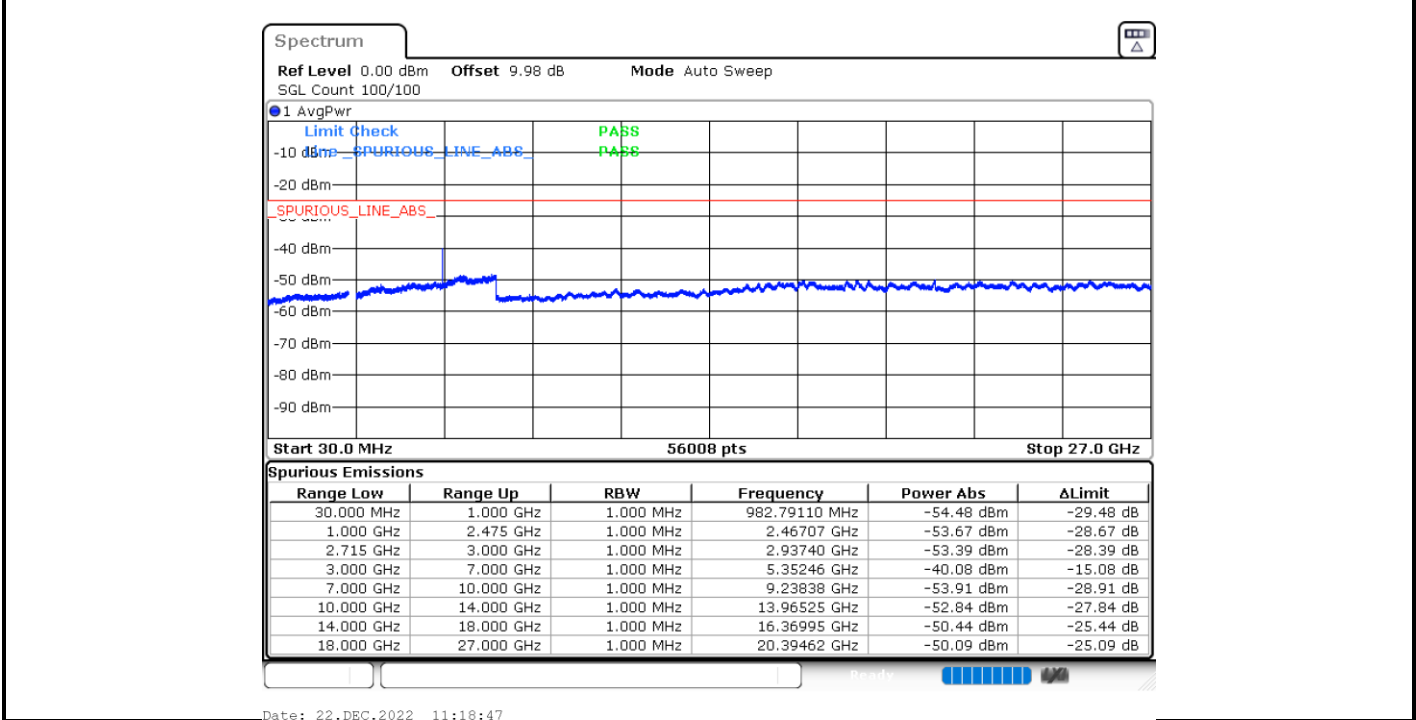
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK

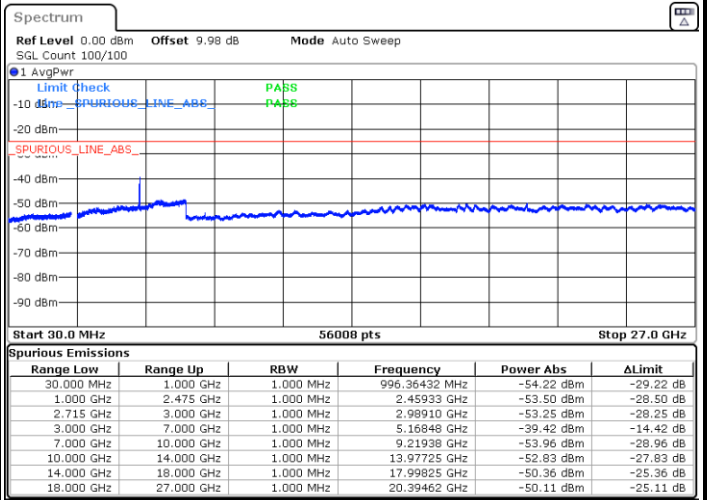
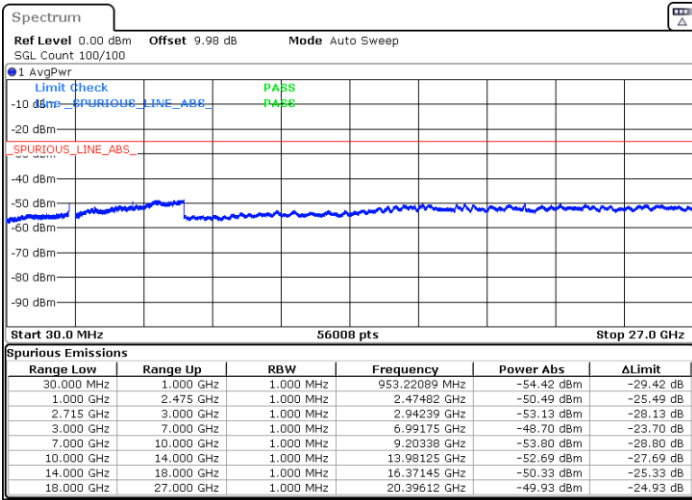




LTE Band 41 / 20MHz

Lowest Channel / QPSK

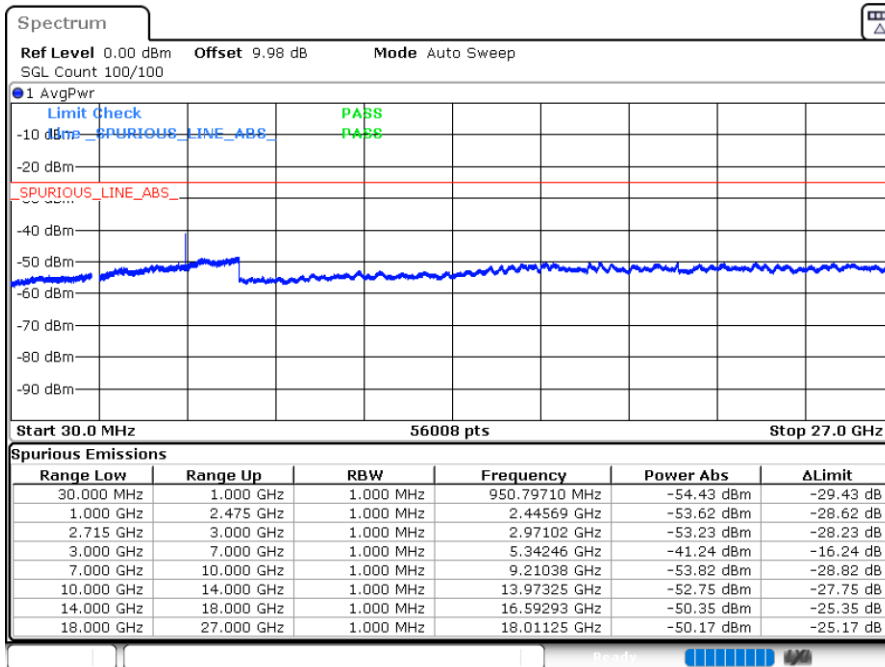
Middle Channel / QPSK



Date: 22.DEC.2022 11:28:08

Date: 22.DEC.2022 11:37:29

Highest Channel / QPSK



Date: 22.DEC.2022 11:38:49



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	0.0022	PASS
40	Normal Voltage	0.0017	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0035	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0002	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0031	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0033	
20	Battery End Point	0.0006	

Note:

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



LTE Band 41C

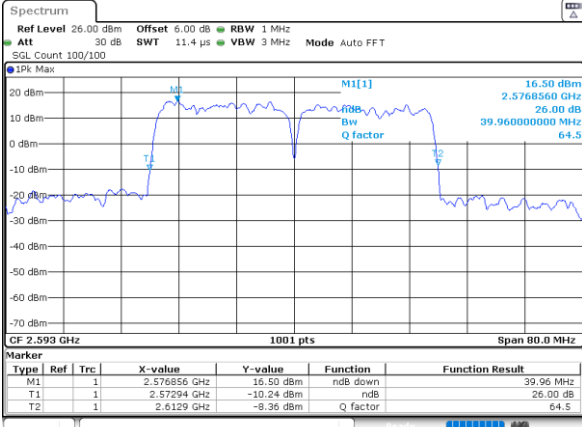
26dB Bandwidth

Mode	LTE Band 41-CA : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	39.96	39.88
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	34.83	34.97
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	30.09	29.97
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	22.03	24.98
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	34.83	35.04
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	30.69	30.63
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	25.38	25.33
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	29.91	30.03
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	25.23	25.18
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	24.88	24.83



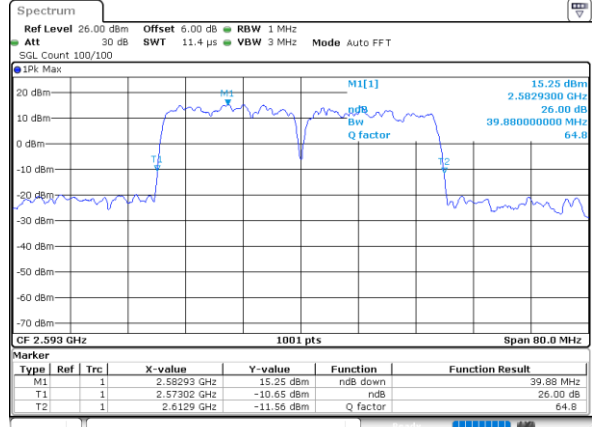
LTE Band 41

Middle Channel / 20MHz+20MHz / QPSK



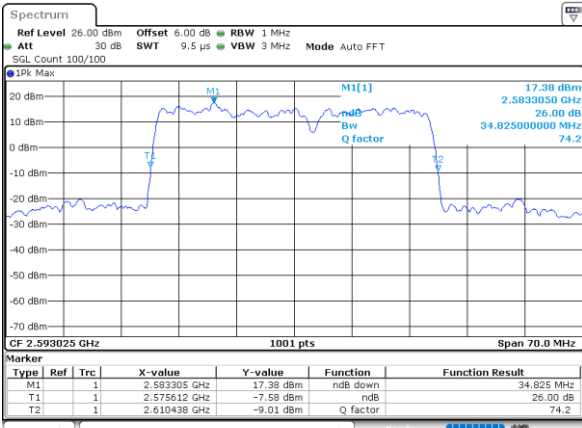
Date: 23. DEC. 2022 20:35:10

Middle Channel / 20MHz+20MHz / 16QAM



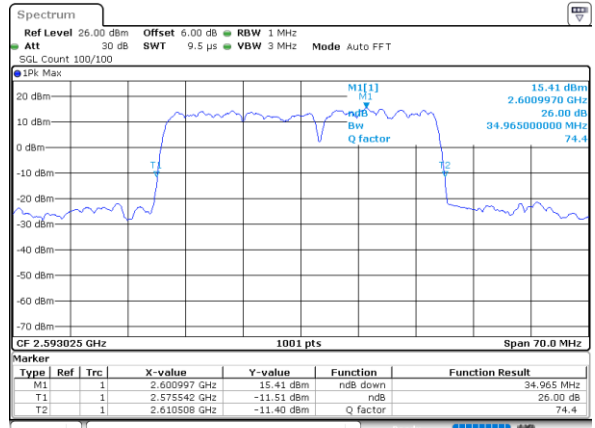
Date: 26. DEC. 2022 03:33:27

Middle Channel / 20MHz+15MHz / QPSK



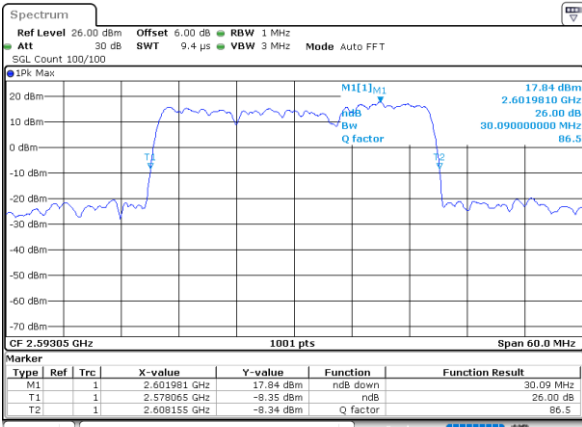
Date: 26. DEC. 2022 03:31:31

Middle Channel / 20MHz+15MHz / 16QAM



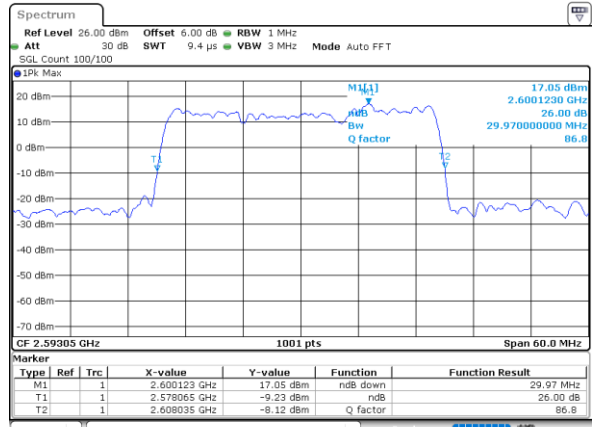
Date: 26. DEC. 2022 03:31:59

Middle Channel / 20MHz+10MHz / QPSK



Date: 26. DEC. 2022 03:25:59

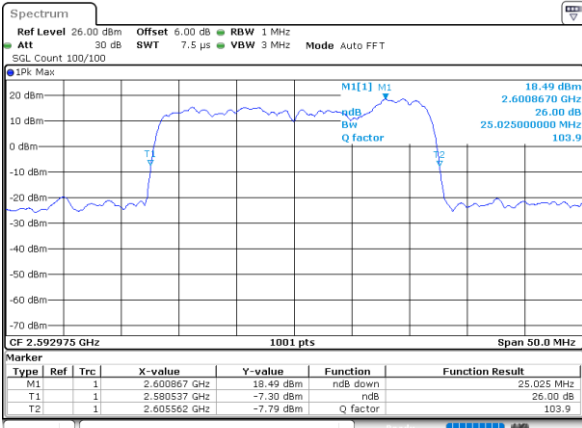
Middle Channel / 20MHz+10MHz / 16QAM



Date: 26. DEC. 2022 03:25:32

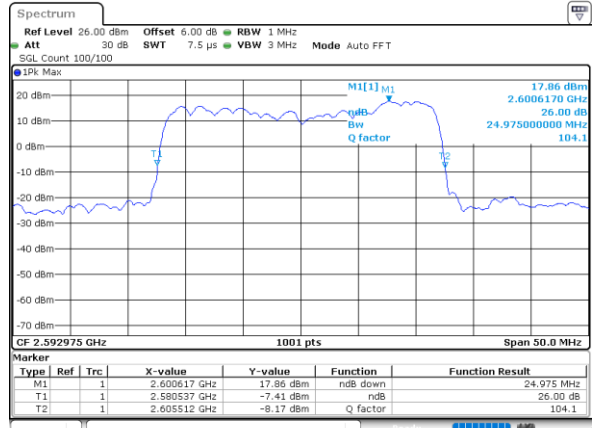


Middle Channel / 20MHz+5MHz / QPSK



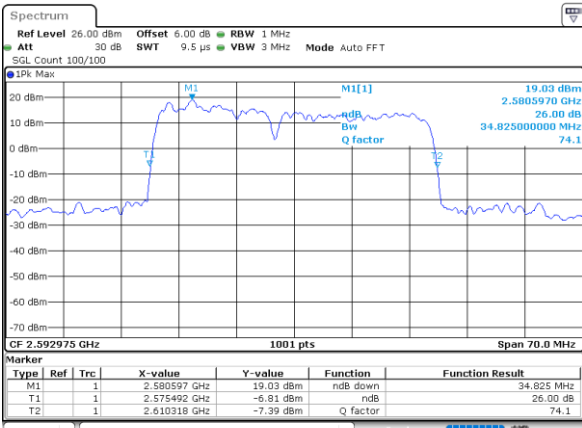
Date: 26.DEC.2022 02:42:11

Middle Channel / 20MHz+5MHz / 16QAM



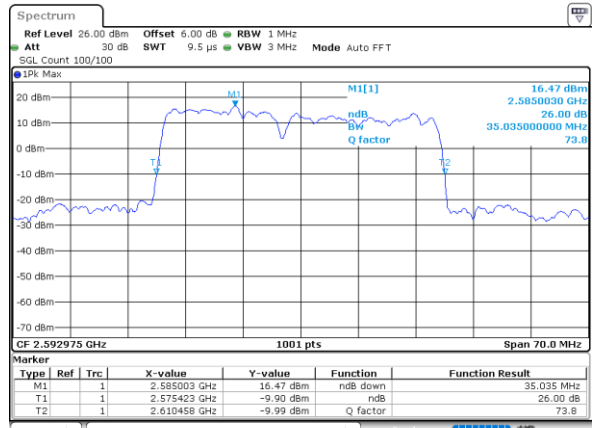
Date: 26.DEC.2022 02:41:44

Middle Channel / 15MHz+20MHz / QPSK



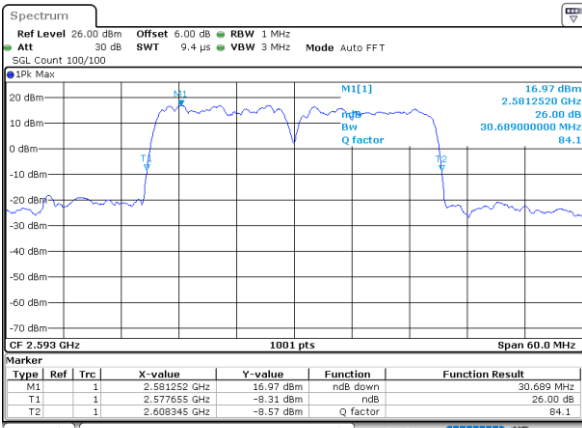
Date: 26.DEC.2022 03:10:01

Middle Channel / 15MHz+20MHz / 16QAM



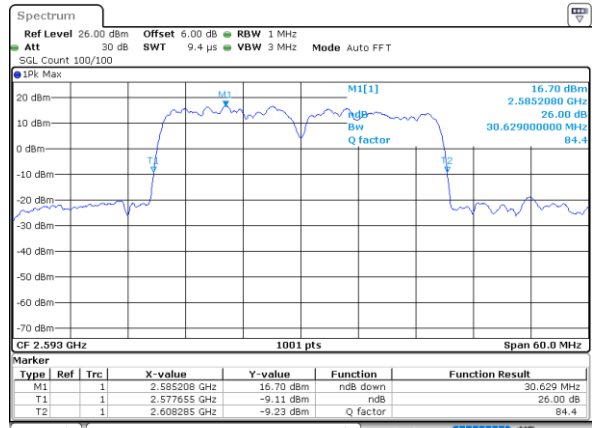
Date: 26.DEC.2022 03:12:34

Middle Channel / 15MHz+15MHz / QPSK



Date: 26.DEC.2022 03:27:38

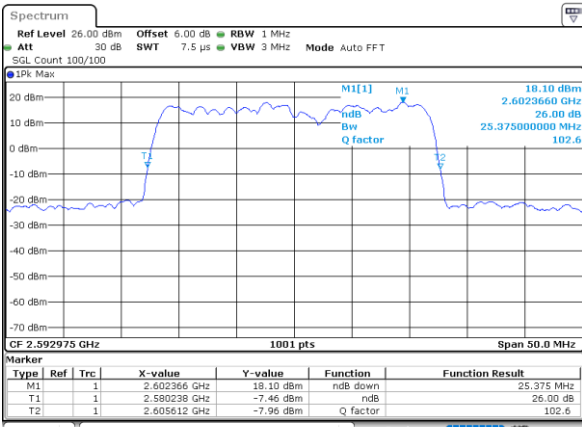
Middle Channel / 15MHz+15MHz / 16QAM



Date: 26.DEC.2022 03:12:05

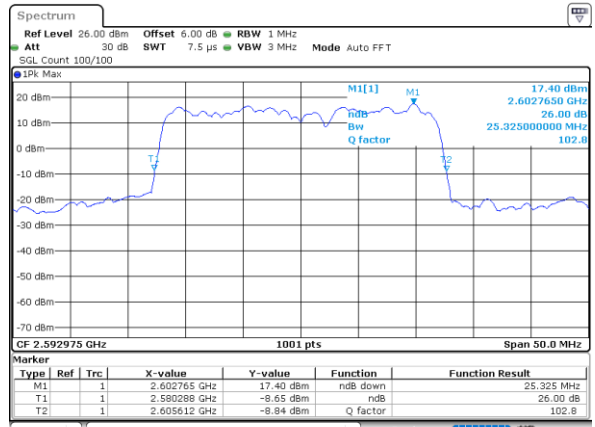


Middle Channel / 15MHz+10MHz / QPSK



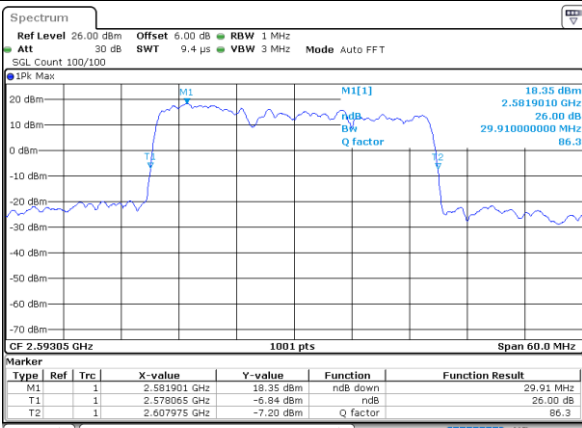
Date: 26.DEC.2022 03:03:13

Middle Channel / 15MHz+10MHz / 16QAM



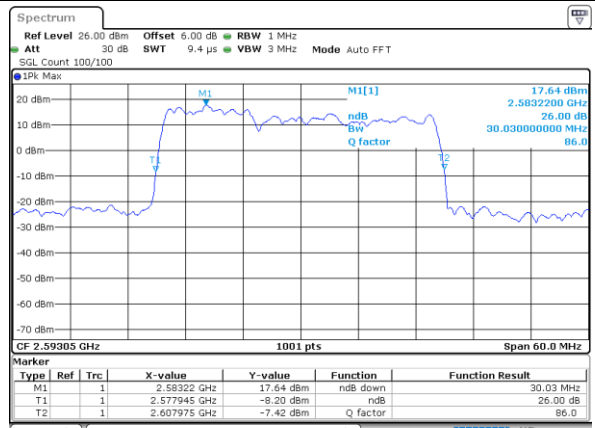
Date: 26.DEC.2022 03:02:45

Middle Channel / 10MHz+20MHz / QPSK



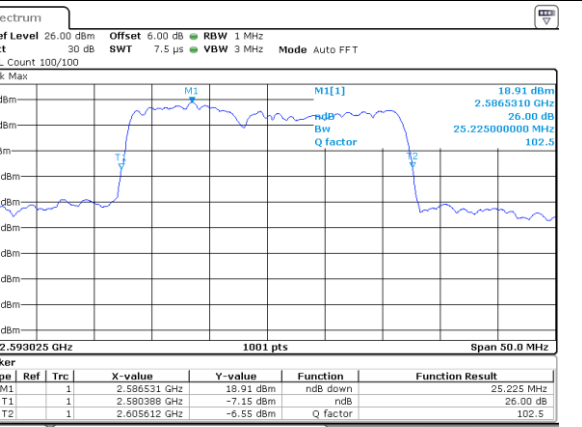
Date: 26.DEC.2022 03:23:39

Middle Channel / 10MHz+20MHz / 16QAM



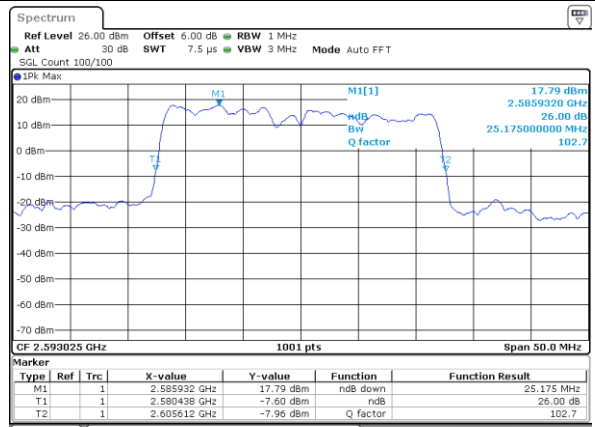
Date: 26.DEC.2022 03:24:07

Middle Channel / 10MHz+15MHz / QPSK

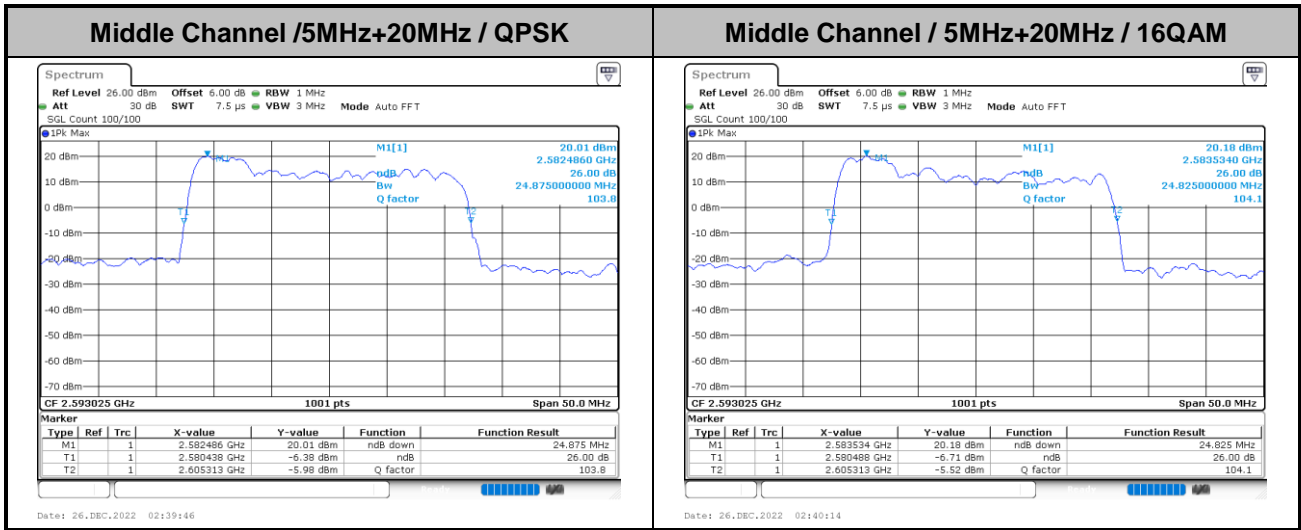


Date: 26.DEC.2022 03:00:48

Middle Channel / 10MHz+15MHz / 16QAM



Date: 26.DEC.2022 03:01:15





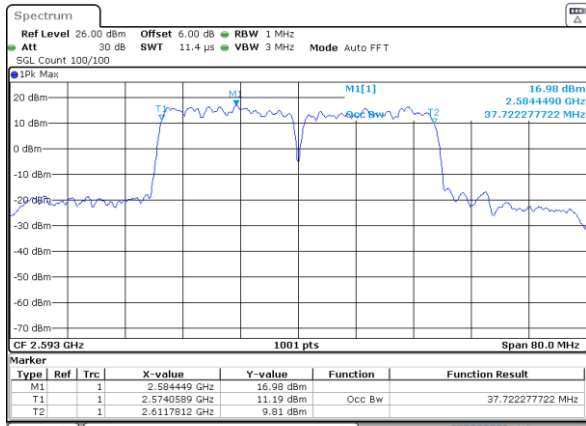
Occupied Bandwidth

Mode	LTE Band 41-CA : 99%OBW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	37.72	37.88
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	33.01	32.87
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	27.87	28.17
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	23.23	23.23
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	32.80	33.01
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	28.65	28.65
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	23.53	23.48
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	28.11	27.93
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	23.43	23.43
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	23.23	23.23



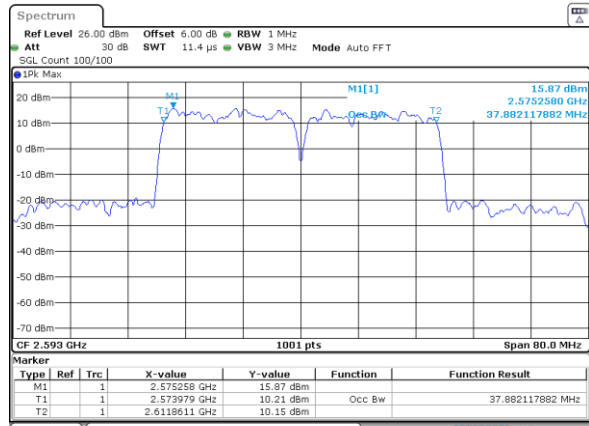
LTE Band 41

Middle Channel / 20MHz+20MHz / QPSK



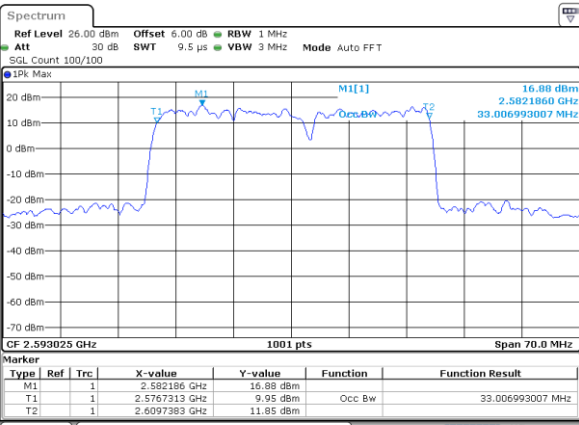
Date: 23, DEC, 2022 20:35:05

Middle Channel / 20MHz+20MHz / 16QAM



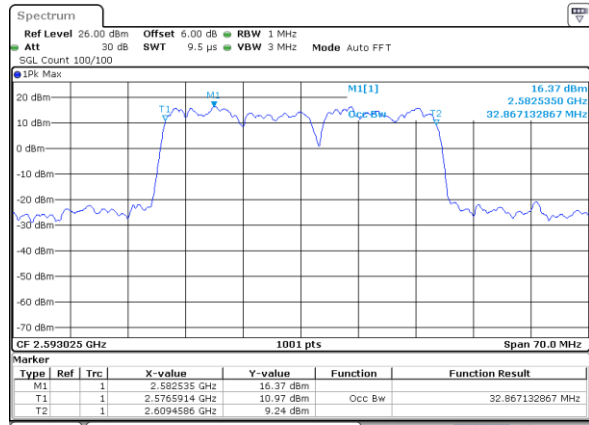
Date: 23, DEC, 2022 20:35:58

Middle Channel / 20MHz+15MHz / QPSK



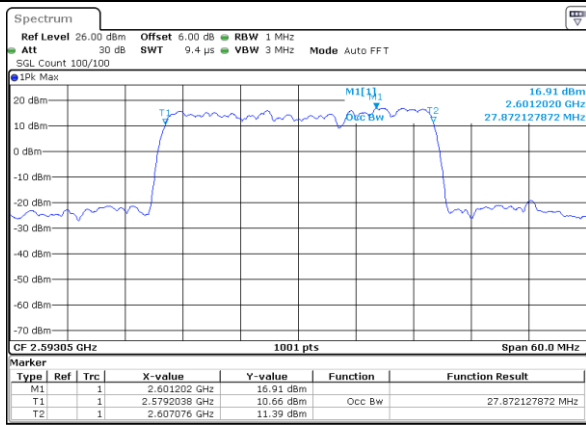
Date: 26, DEC, 2022 03:31:04

Middle Channel / 20MHz+15MHz / 16QAM



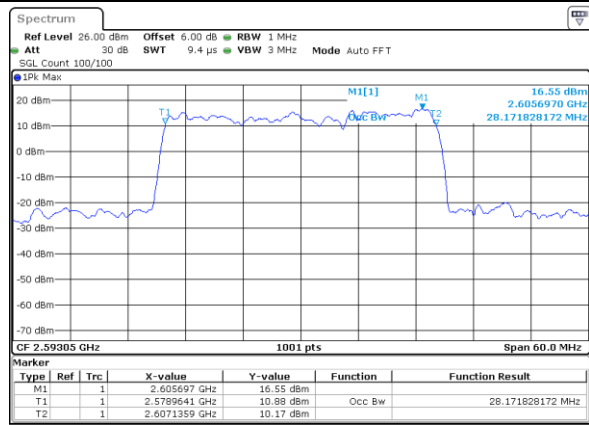
Date: 26, DEC, 2022 03:32:26

Middle Channel / 20MHz+10MHz / QPSK



Date: 26, DEC, 2022 03:26:27

Middle Channel / 20MHz+10MHz / 16QAM



Date: 26, DEC, 2022 03:25:05