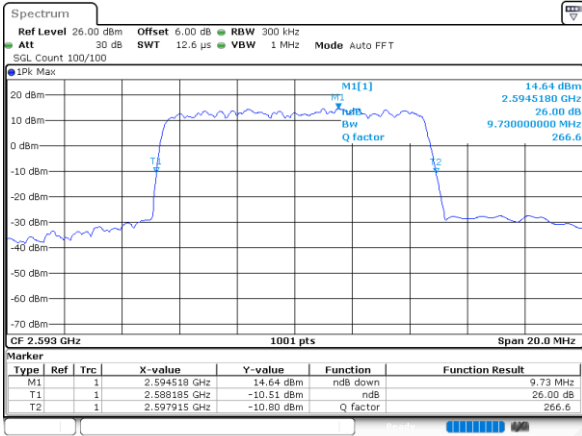




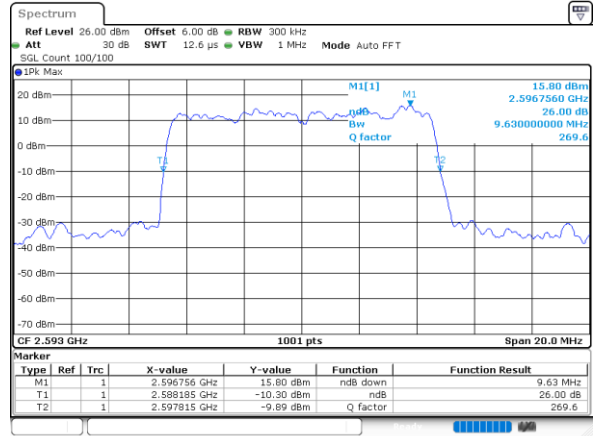
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 13_JAN_2023 22:50:07

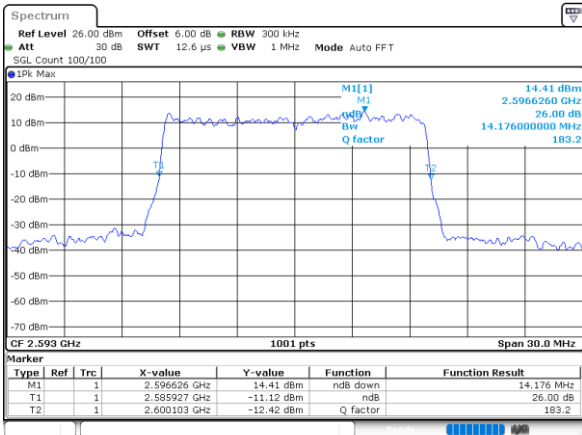
Middle Channel / 10MHz / 16QAM



Date: 13_JAN_2023 22:50:28

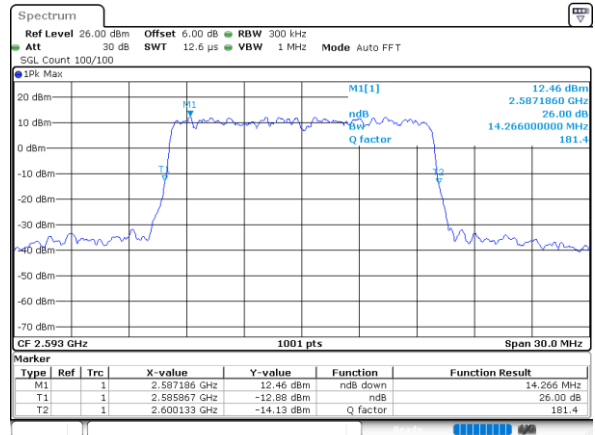
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 13_JAN_2023 22:52:57

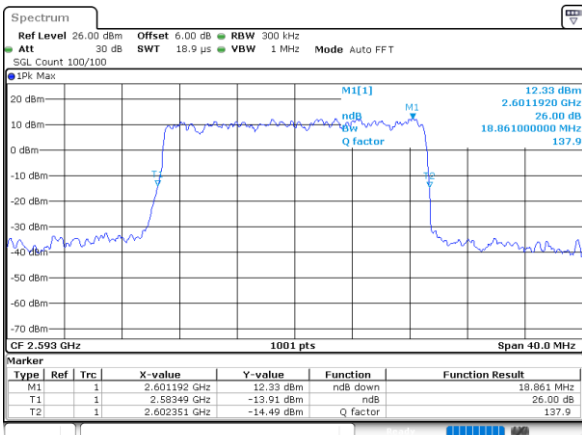
Middle Channel / 15MHz / 16QAM



Date: 13_JAN_2023 22:53:18

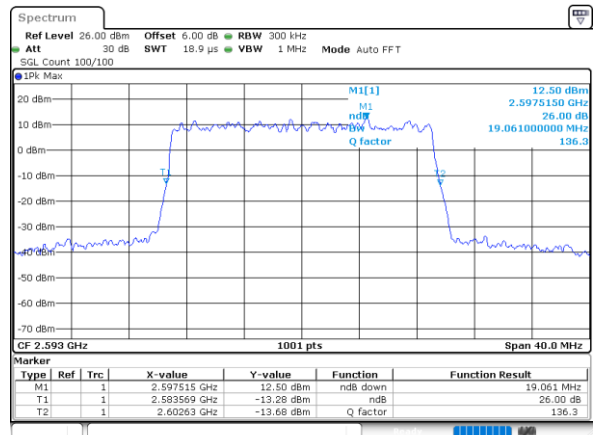
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 13_JAN_2023 22:55:47

Middle Channel / 20MHz / 16QAM

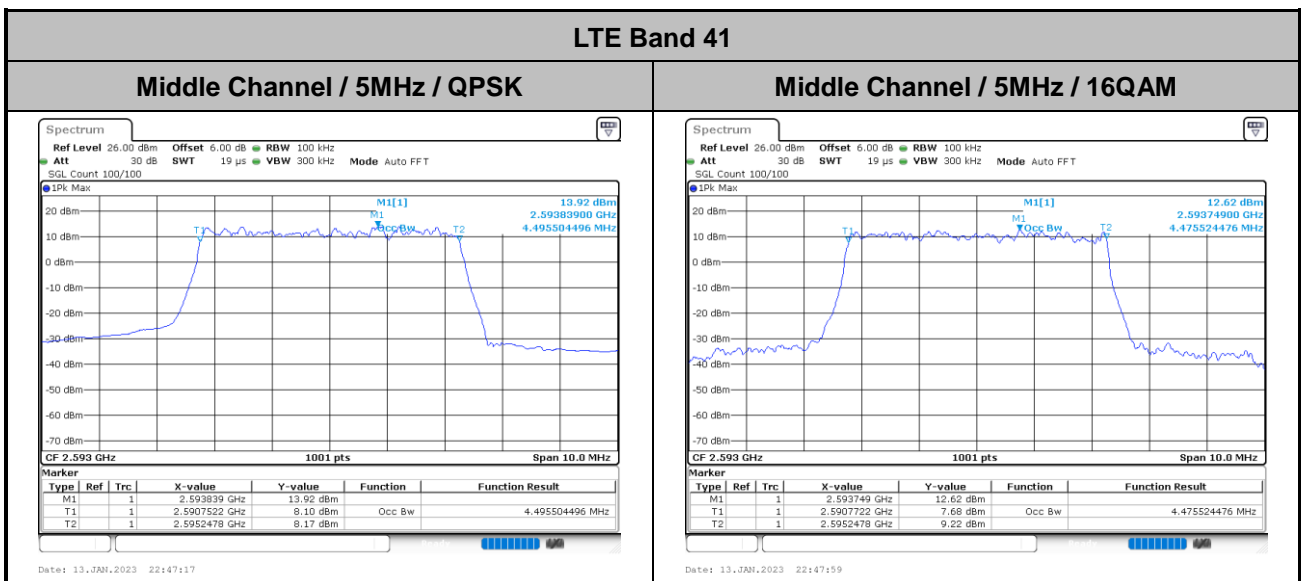


Date: 13_JAN_2023 22:56:07



Occupied Bandwidth

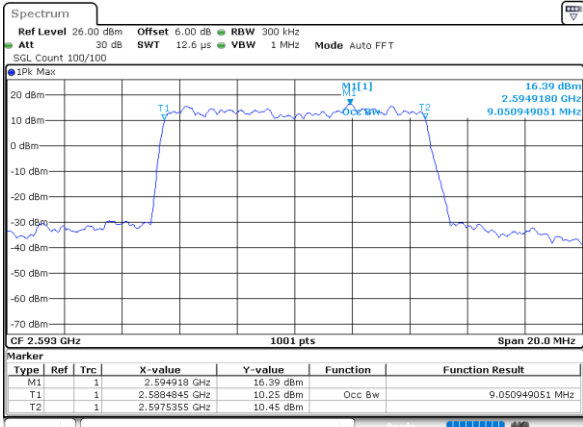
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.48
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.05	9.05
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.46
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.94	17.90





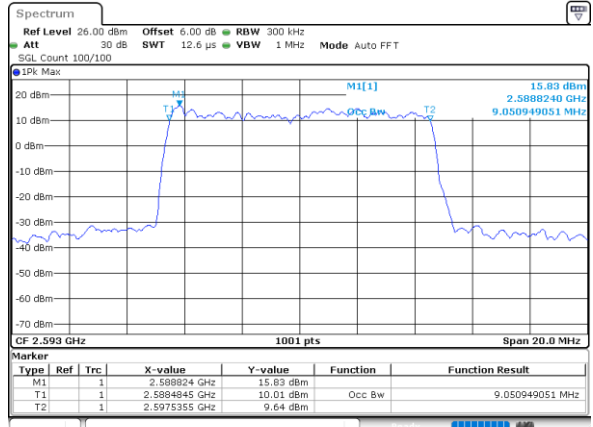
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 13_JAN_2023 22:49:46

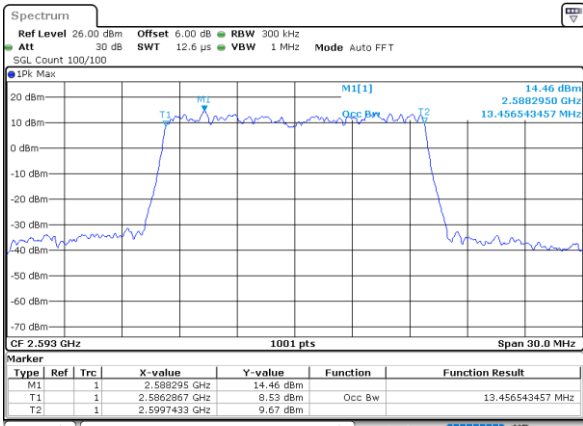
Middle Channel / 10MHz / 16QAM



Date: 13_JAN_2023 22:50:49

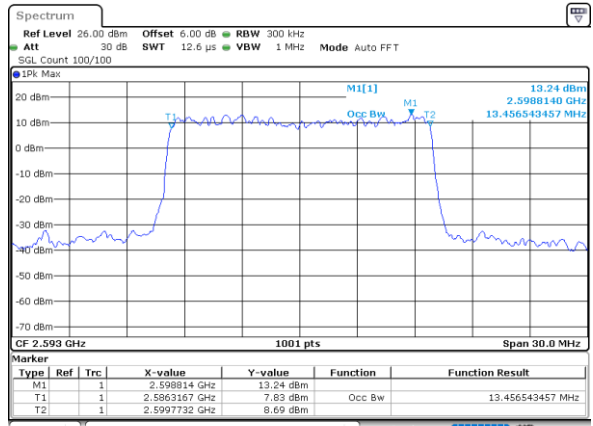
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 13_JAN_2023 22:52:36

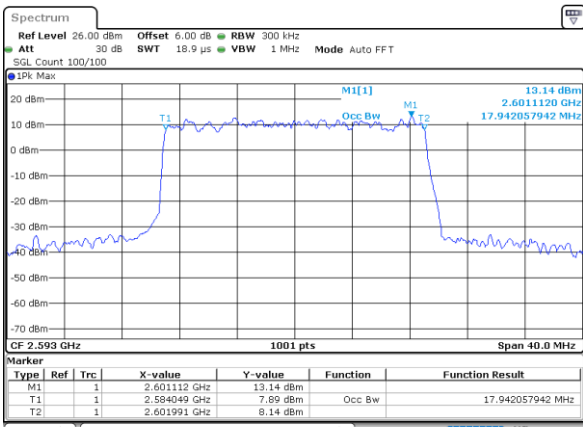
Middle Channel / 15MHz / 16QAM



Date: 13_JAN_2023 22:53:39

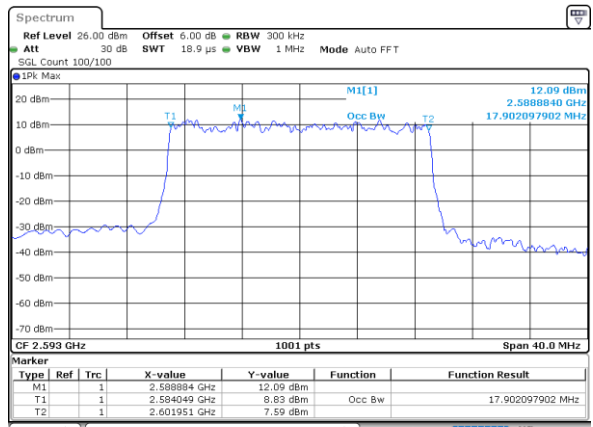
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 13_JAN_2023 22:55:26

Middle Channel / 20MHz / 16QAM



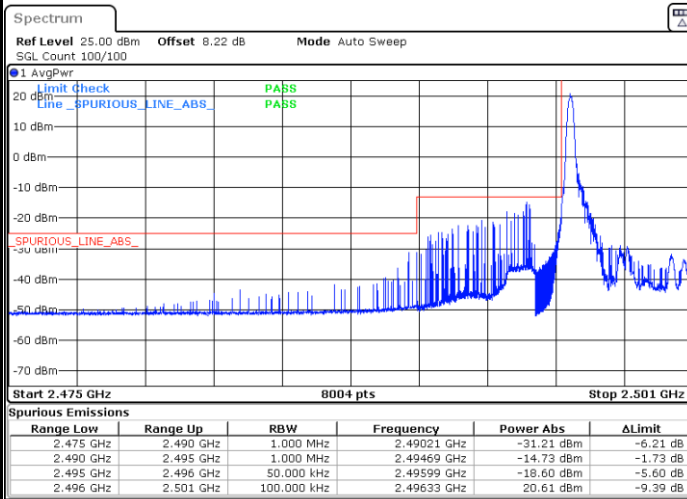
Date: 13_JAN_2023 22:56:28



Conducted Band Edge

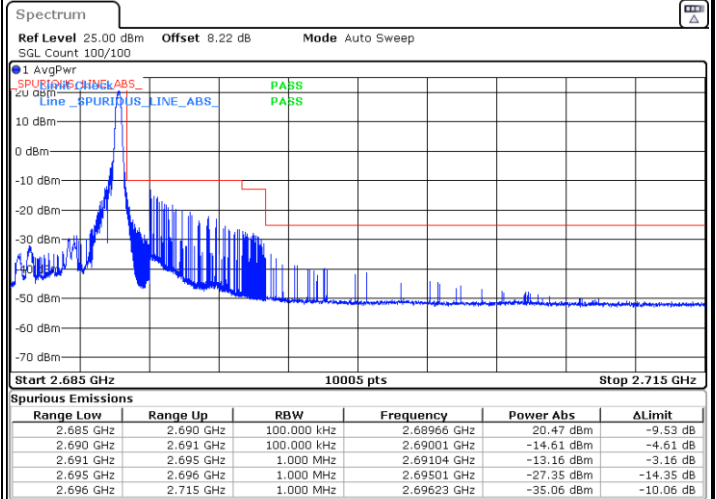
LTE Band 41 / 5MHz / QPSK

Lowest Band Edge / 1 RB



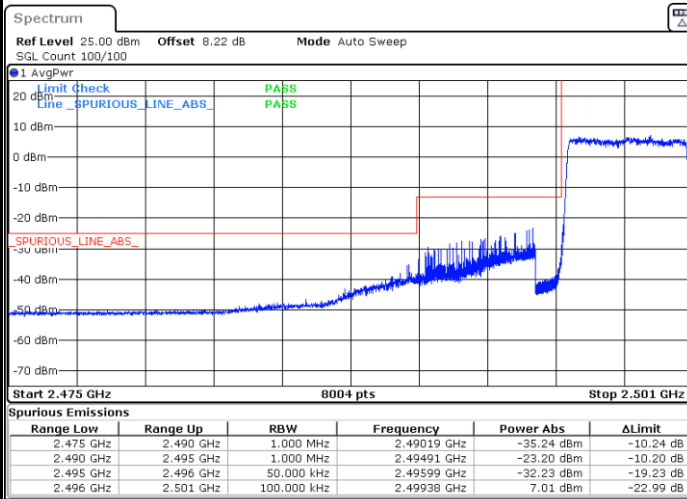
Date: 13.JAN.2023 04:59:14

Highest Band Edge / 1 RB



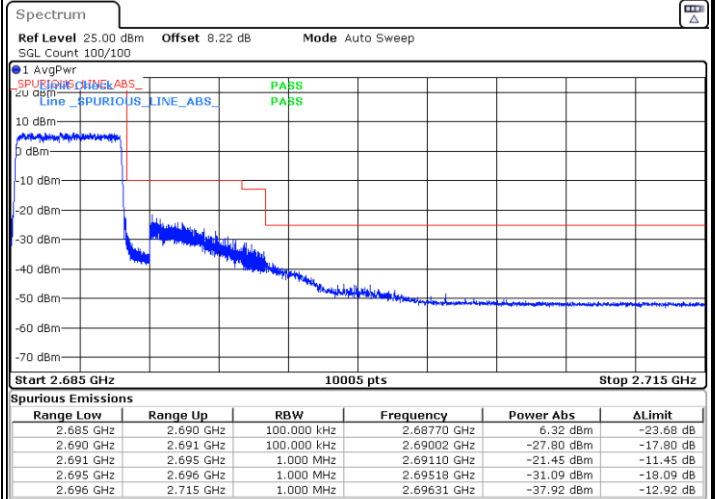
Date: 13.JAN.2023 05:08:36

Lowest Band Edge / Full RB



Date: 13.JAN.2023 05:02:35

Highest Band Edge / Full RB

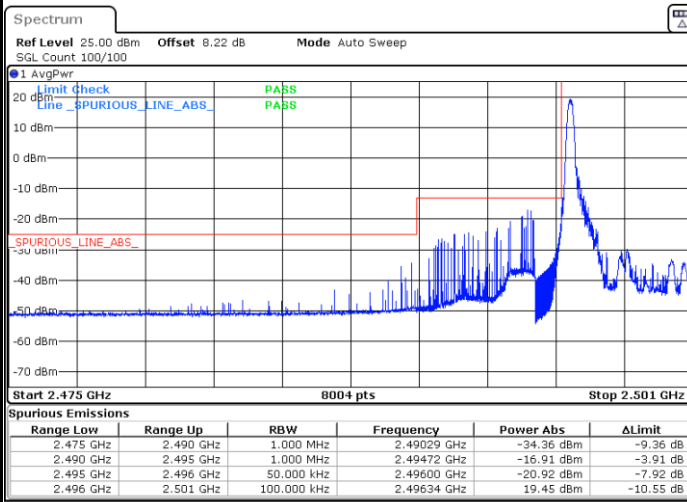


Date: 13.JAN.2023 05:11:56



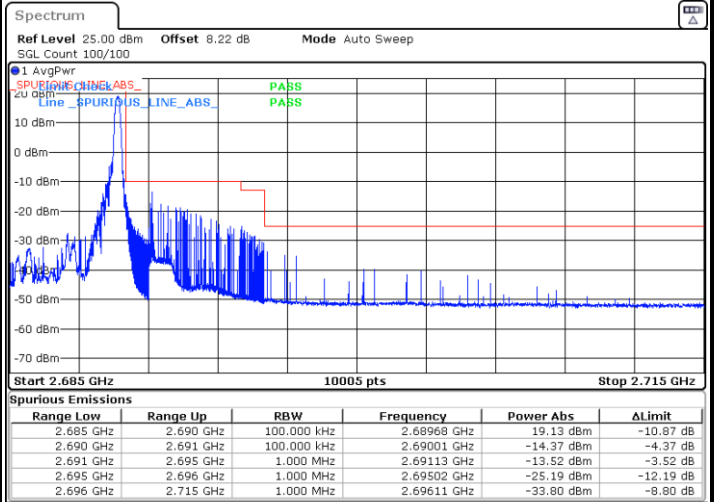
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



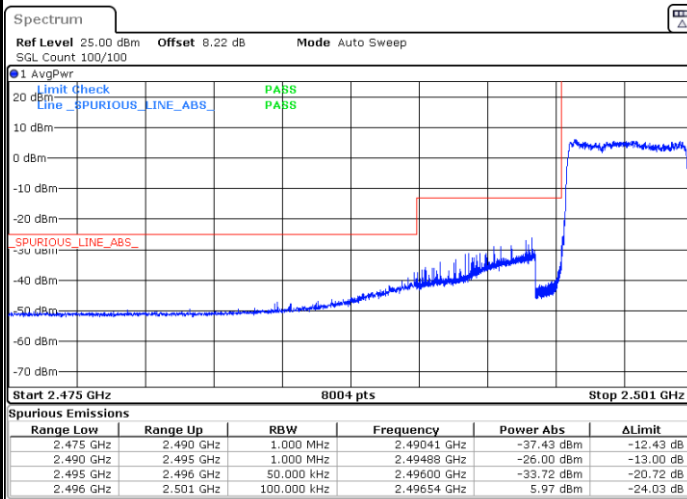
Date: 13.JAN.2023 05:00:04

Highest Band Edge / 1 RB



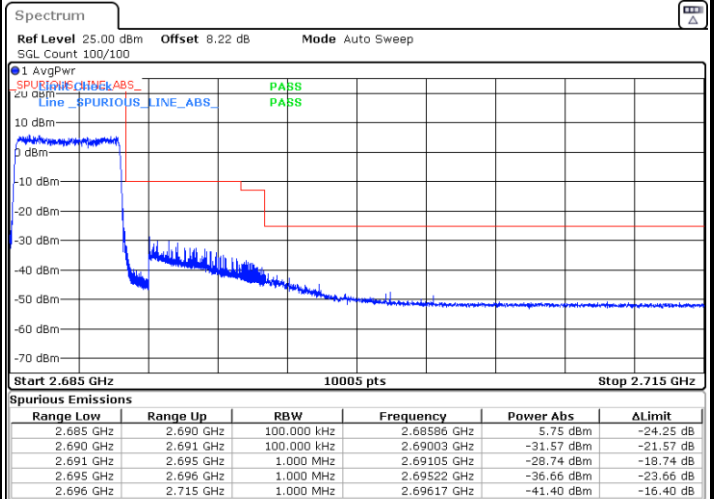
Date: 13.JAN.2023 05:09:26

Lowest Band Edge / Full RB



Date: 13.JAN.2023 05:03:26

Highest Band Edge / Full RB

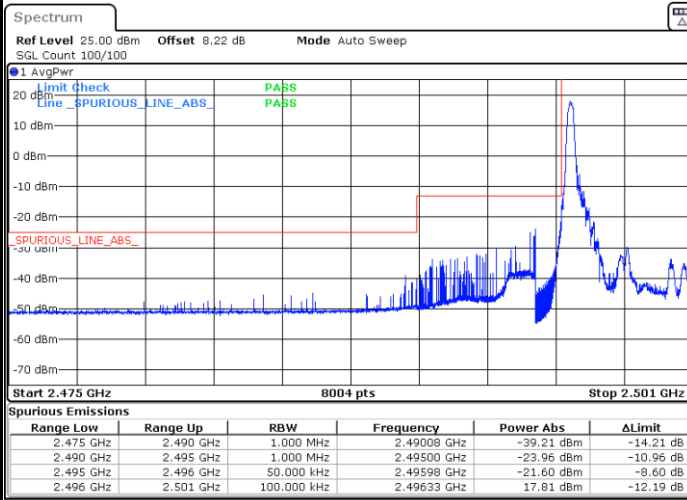


Date: 13.JAN.2023 05:12:46



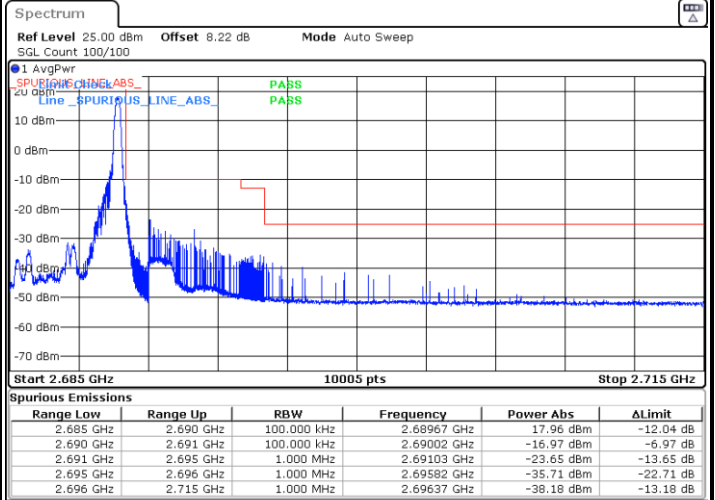
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



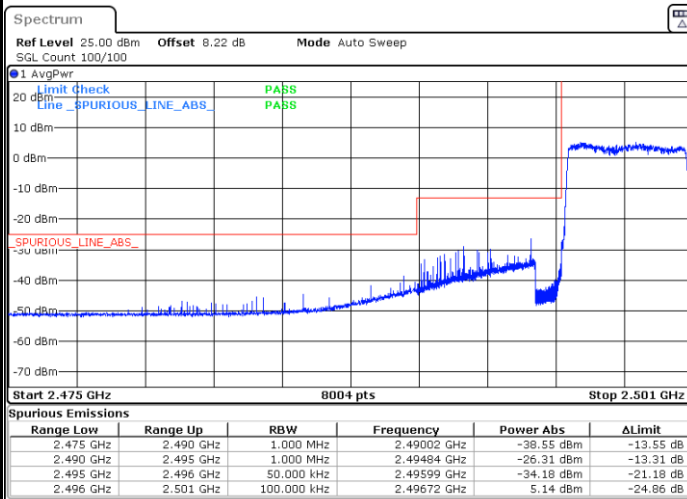
Date: 13.JAN.2023 05:00:54

Highest Band Edge / 1 RB



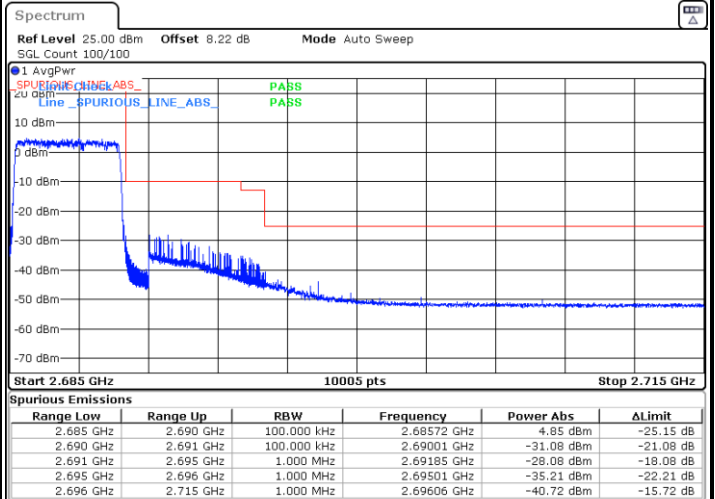
Date: 13.JAN.2023 05:10:16

Lowest Band Edge / Full RB



Date: 13.JAN.2023 05:04:16

Highest Band Edge / Full RB



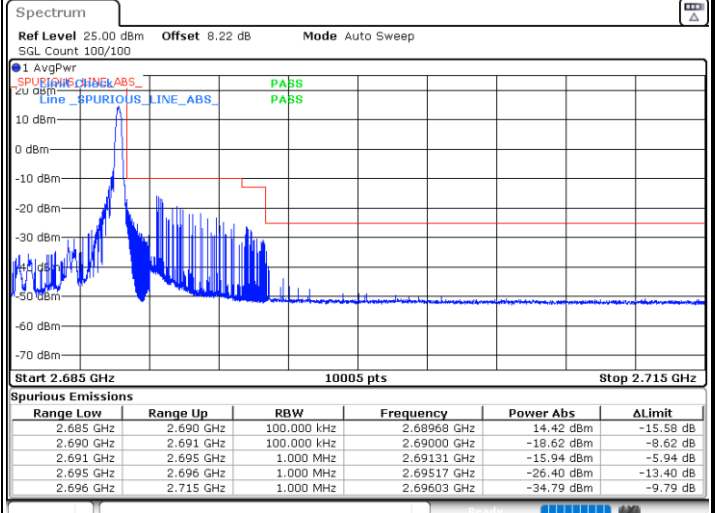
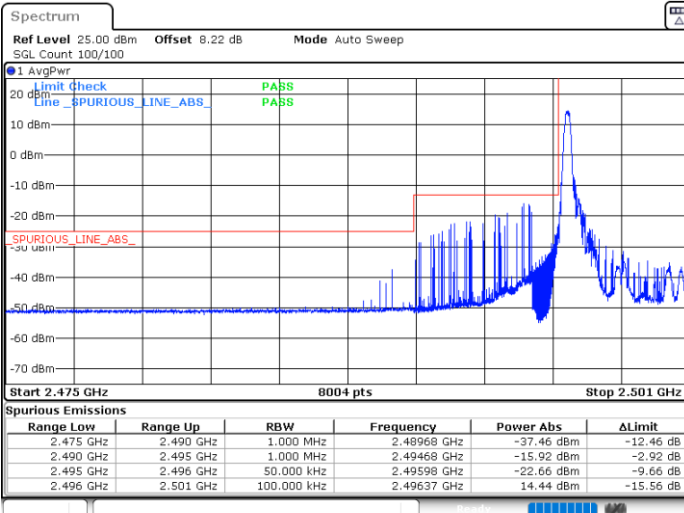
Date: 13.JAN.2023 05:13:36



LTE Band 41 / 5MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

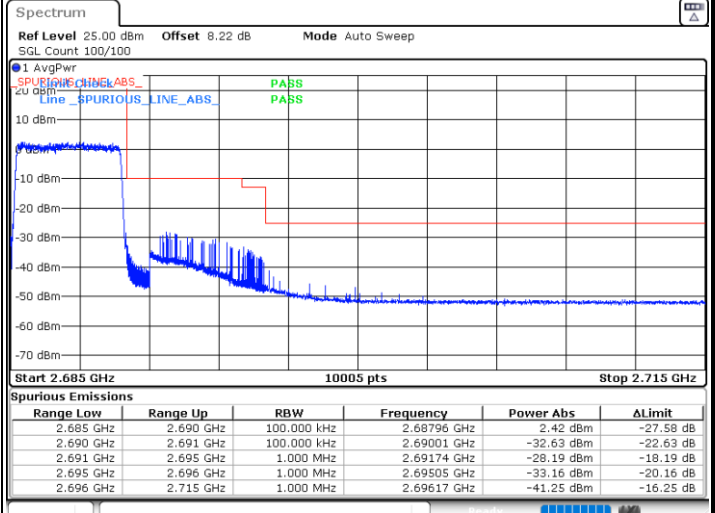
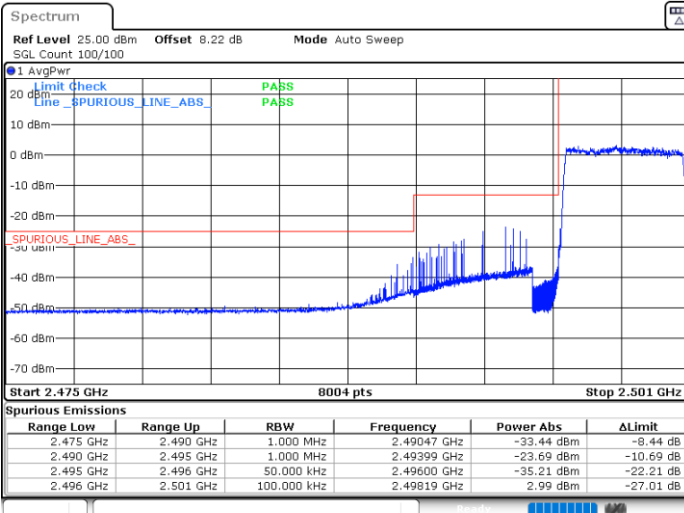


Date: 13.JAN.2023 05:01:45

Date: 13.JAN.2023 05:11:06

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.JAN.2023 05:05:06

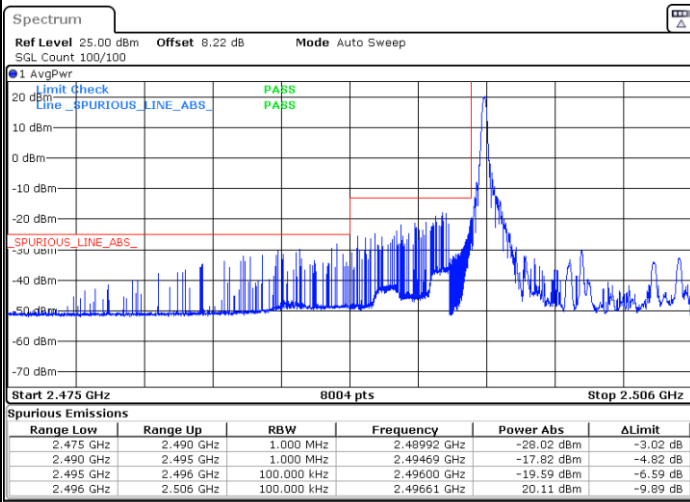
Date: 13.JAN.2023 05:14:26



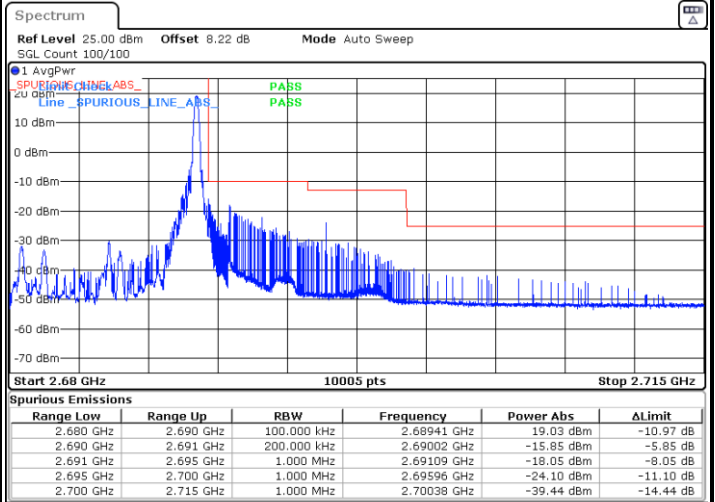
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



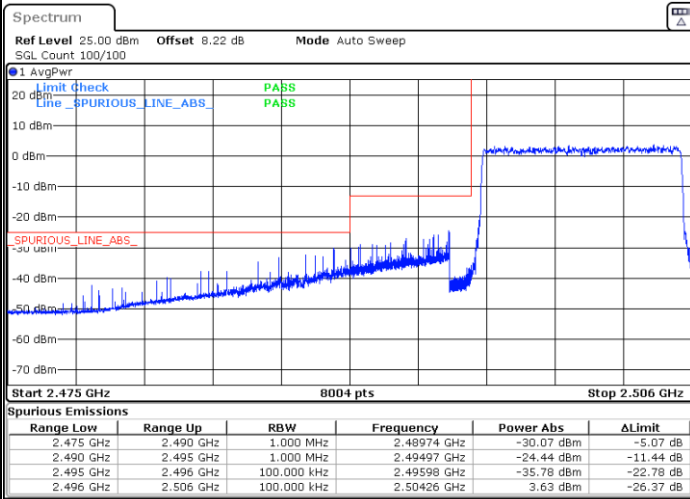
Date: 13.JAN.2023 05:25:00



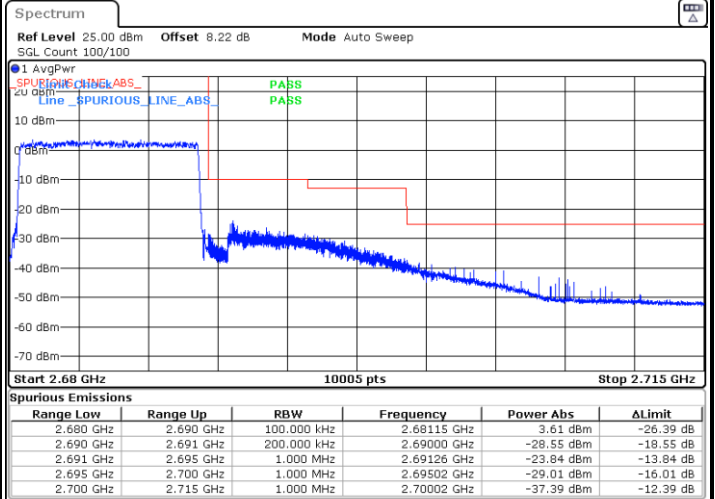
Date: 13.JAN.2023 05:34:22

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.JAN.2023 05:28:22

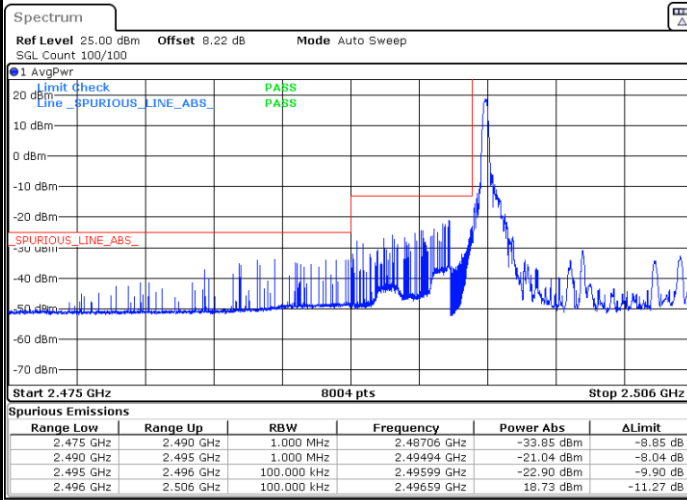


Date: 13.JAN.2023 05:37:42



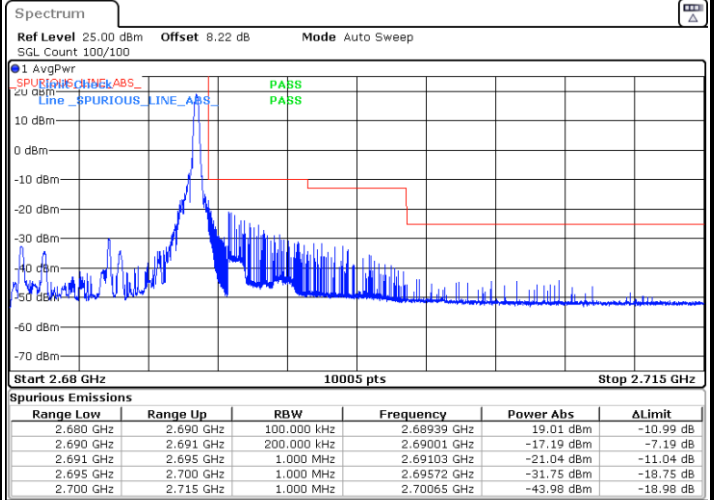
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



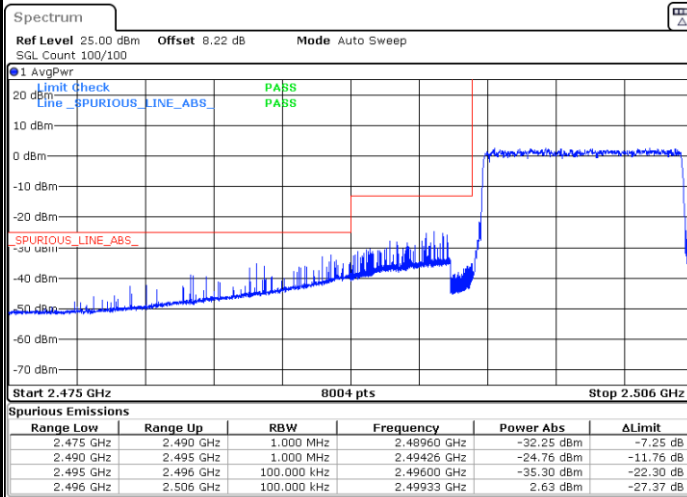
Date: 13.JAN.2023 05:25:50

Highest Band Edge / 1 RB



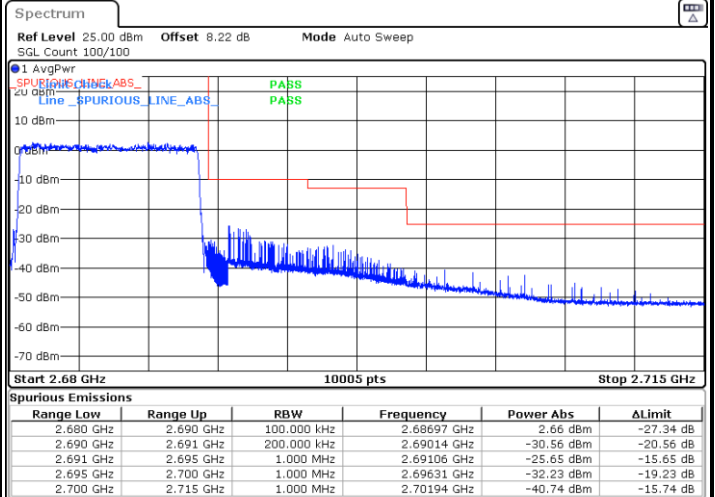
Date: 13.JAN.2023 05:35:12

Lowest Band Edge / Full RB



Date: 13.JAN.2023 05:29:12

Highest Band Edge / Full RB

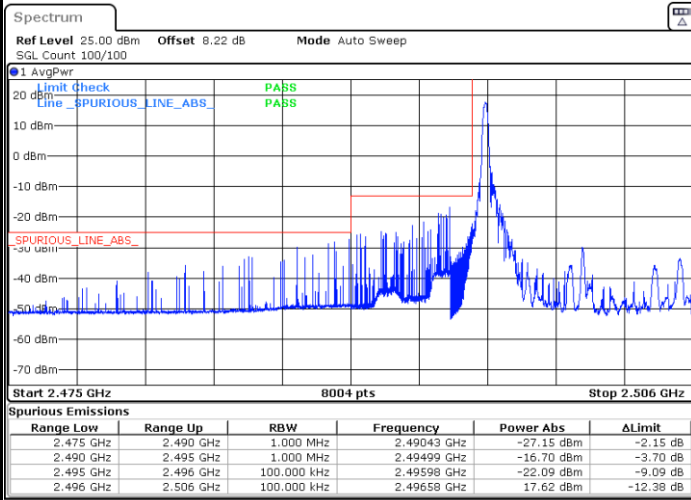


Date: 13.JAN.2023 05:38:32



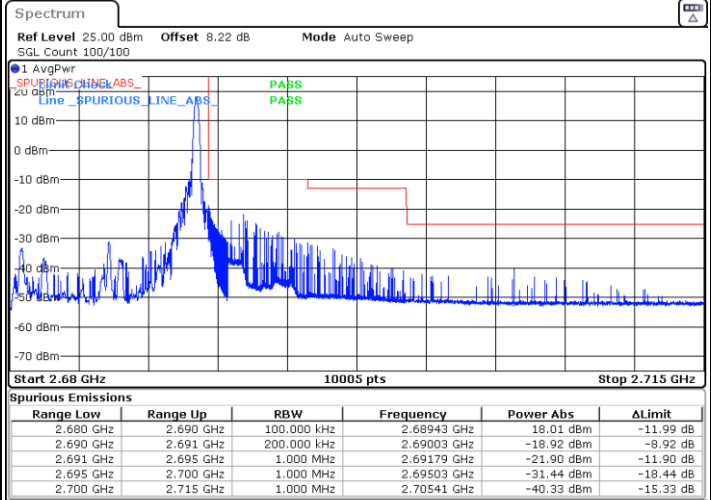
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



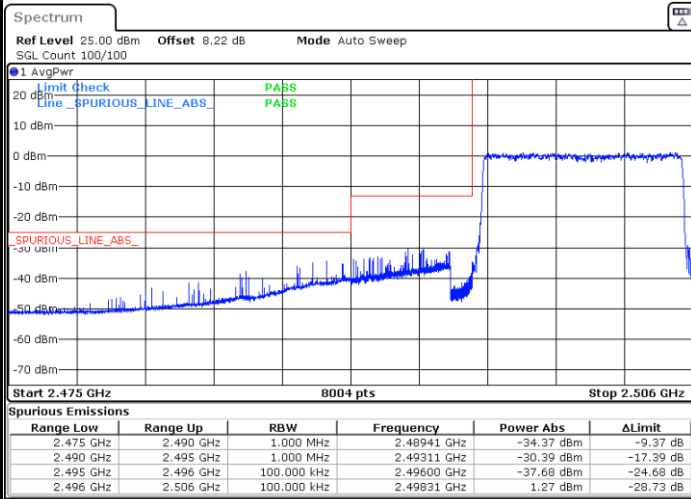
Date: 13.JAN.2023 05:26:41

Highest Band Edge / 1 RB



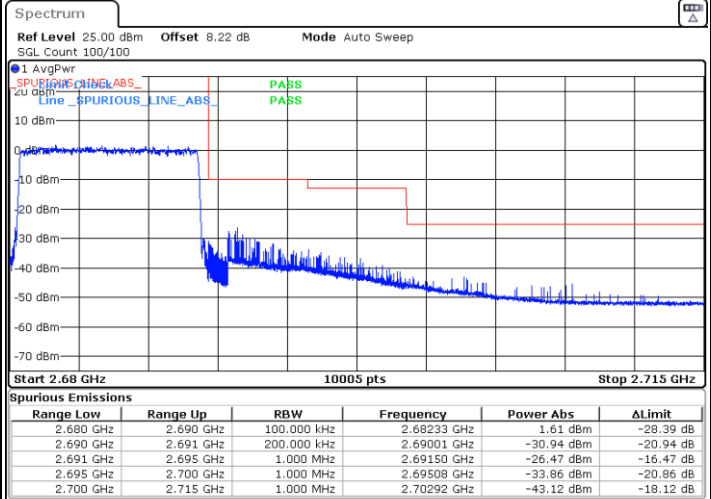
Date: 13.JAN.2023 05:36:02

Lowest Band Edge / Full RB



Date: 13.JAN.2023 05:30:02

Highest Band Edge / Full RB



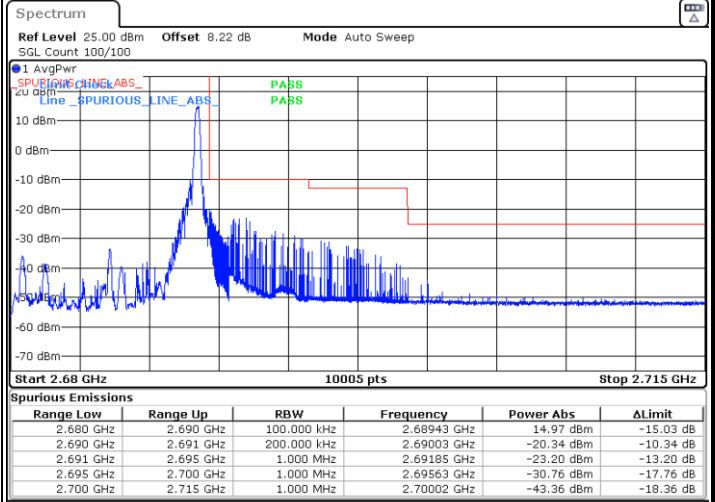
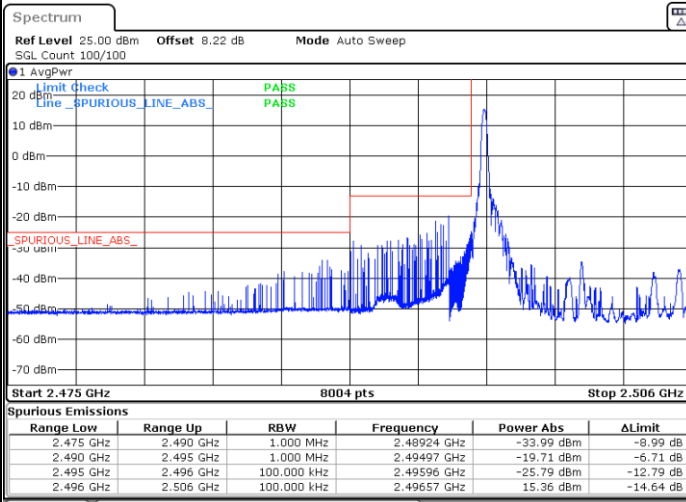
Date: 13.JAN.2023 05:39:22



LTE Band 41 / 10MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

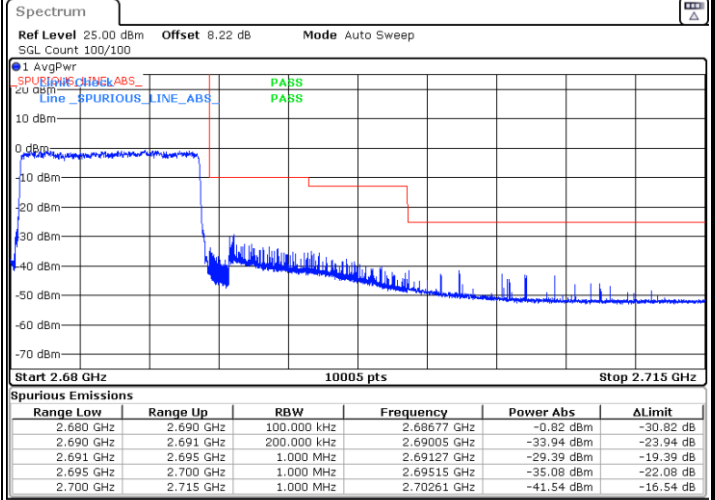
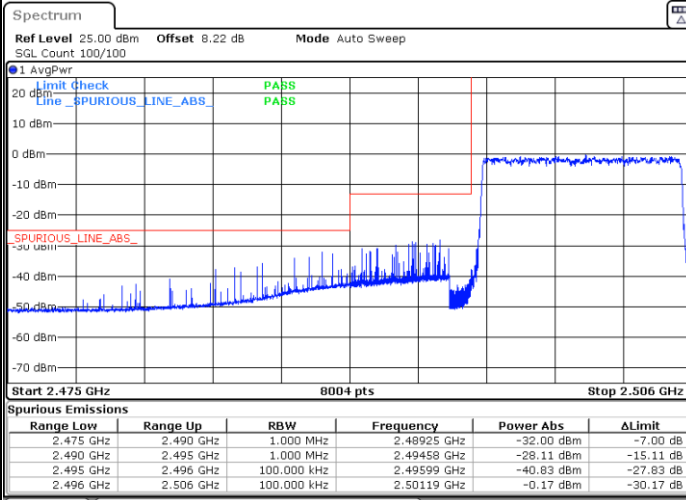


Date: 13.JAN.2023 05:27:31

Date: 13.JAN.2023 05:36:51

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



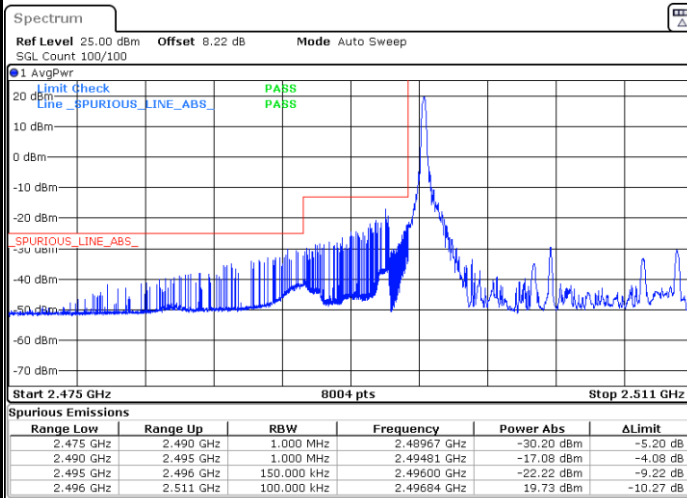
Date: 13.JAN.2023 05:30:52

Date: 13.JAN.2023 05:40:12



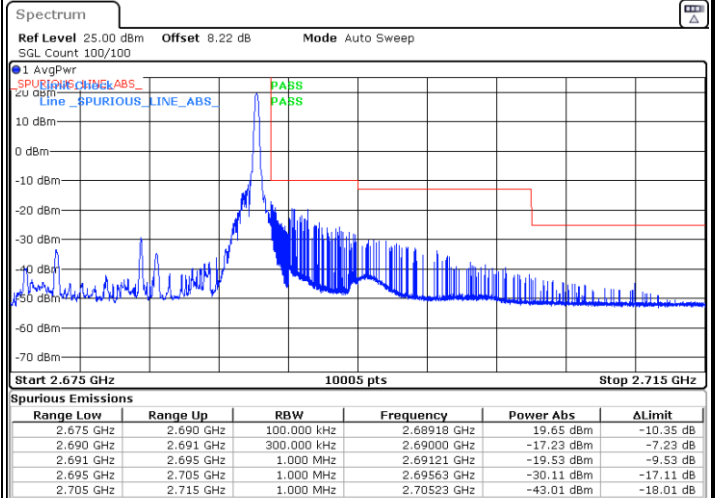
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



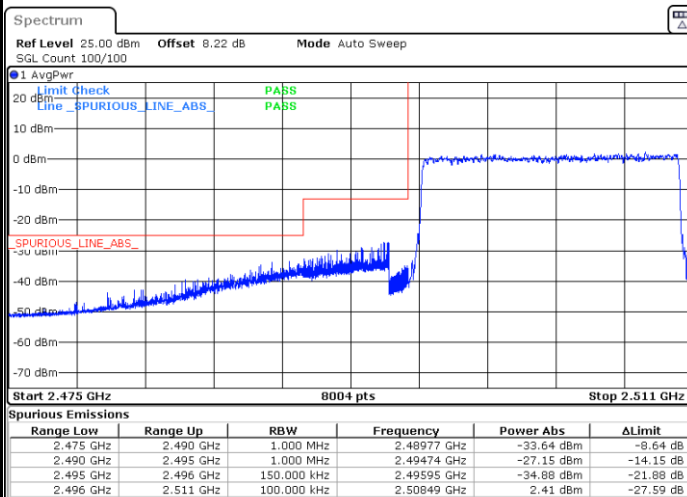
Date: 13.JAN.2023 05:42:45

Highest Band Edge / 1 RB



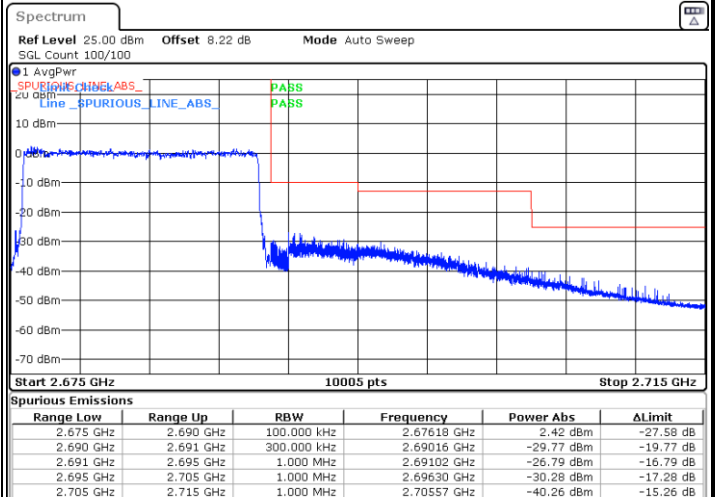
Date: 13.JAN.2023 06:18:38

Lowest Band Edge / Full RB



Date: 13.JAN.2023 06:11:37

Highest Band Edge / Full RB

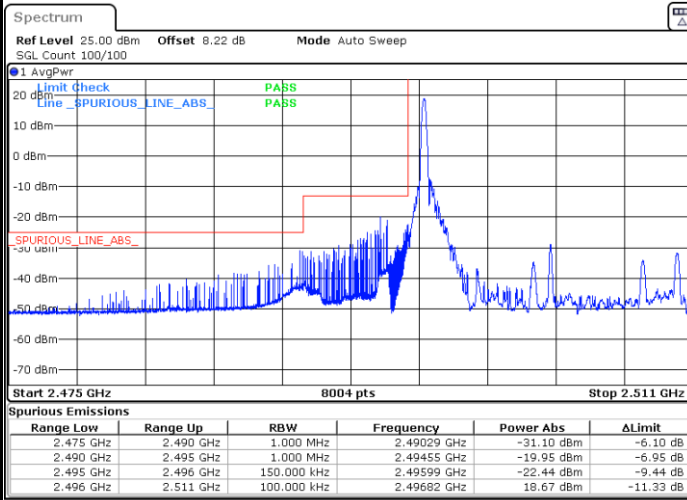


Date: 13.JAN.2023 06:23:27



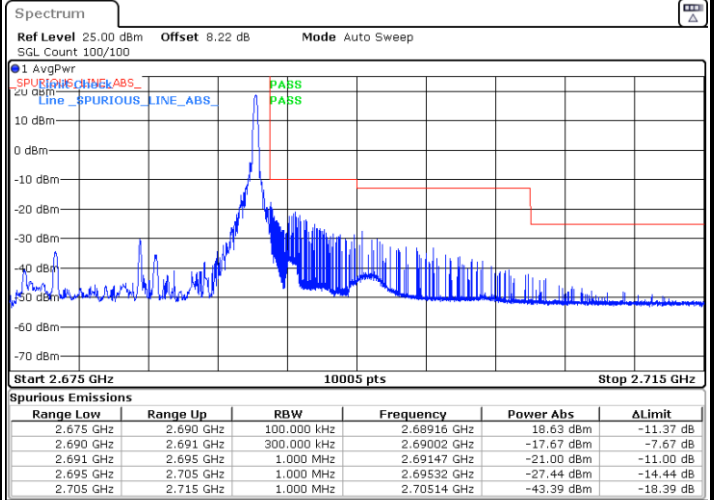
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



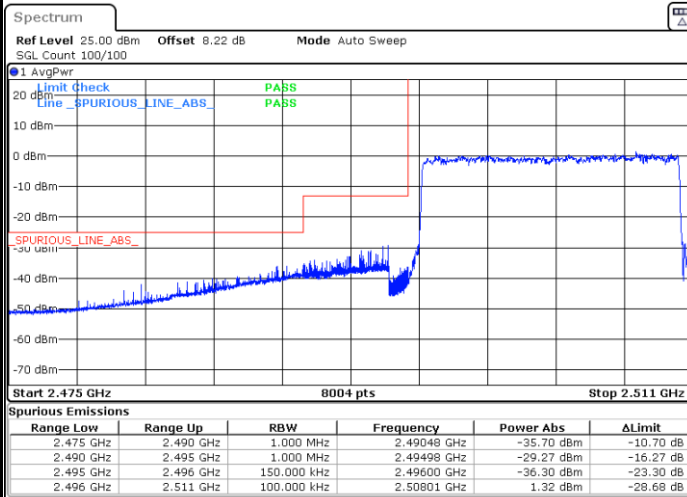
Date: 13.JAN.2023 05:43:36

Highest Band Edge / 1 RB



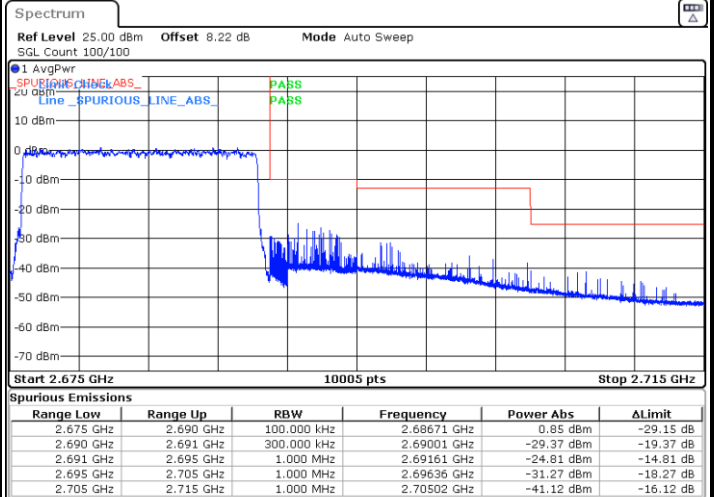
Date: 13.JAN.2023 06:19:28

Lowest Band Edge / Full RB



Date: 13.JAN.2023 06:12:27

Highest Band Edge / Full RB

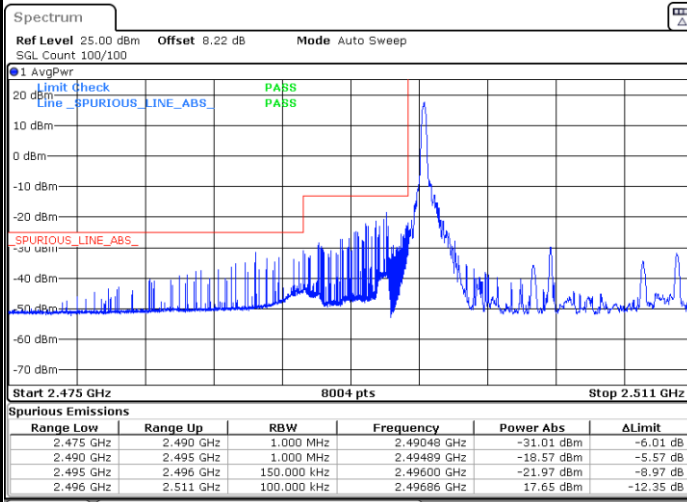


Date: 13.JAN.2023 06:24:17



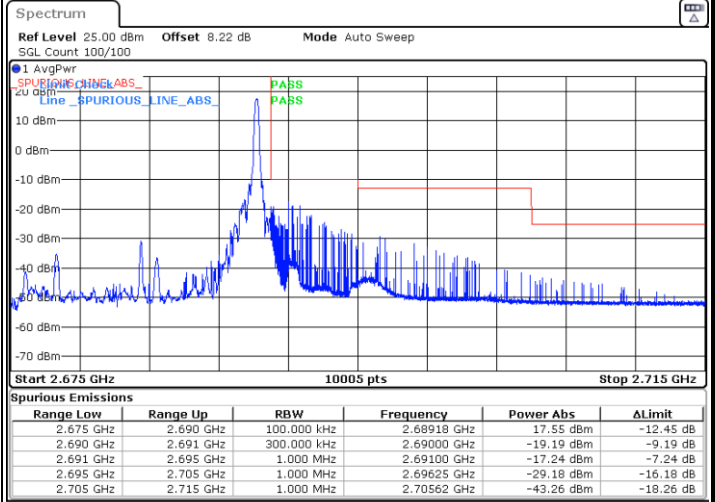
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



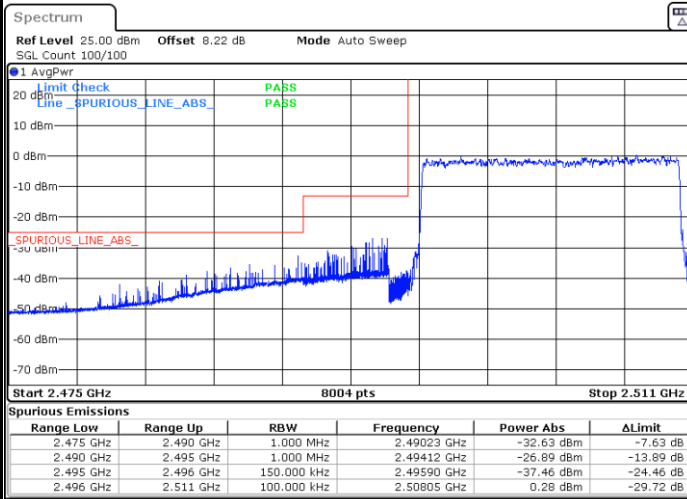
Date: 13.JAN.2023 05:44:26

Highest Band Edge / 1 RB



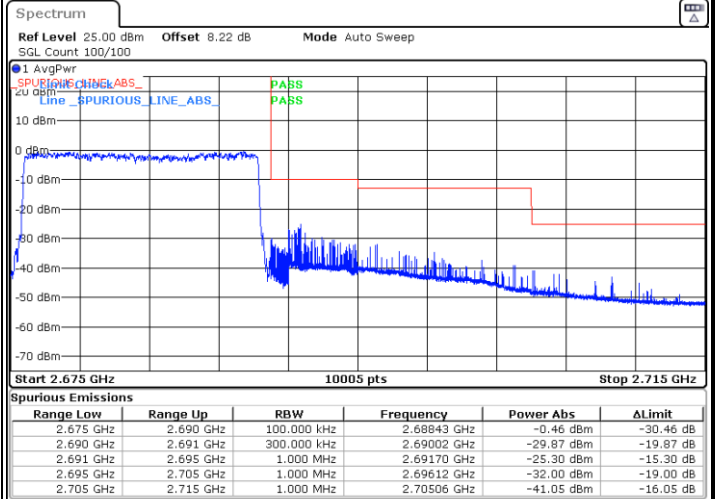
Date: 13.JAN.2023 06:20:18

Lowest Band Edge / Full RB



Date: 13.JAN.2023 06:13:17

Highest Band Edge / Full RB



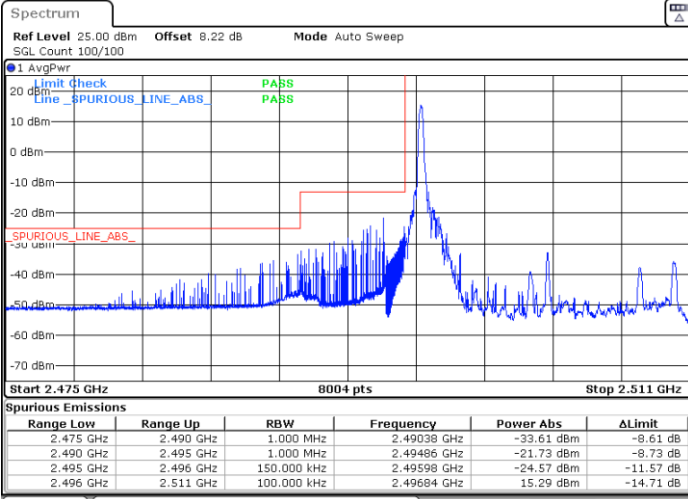
Date: 13.JAN.2023 06:25:07



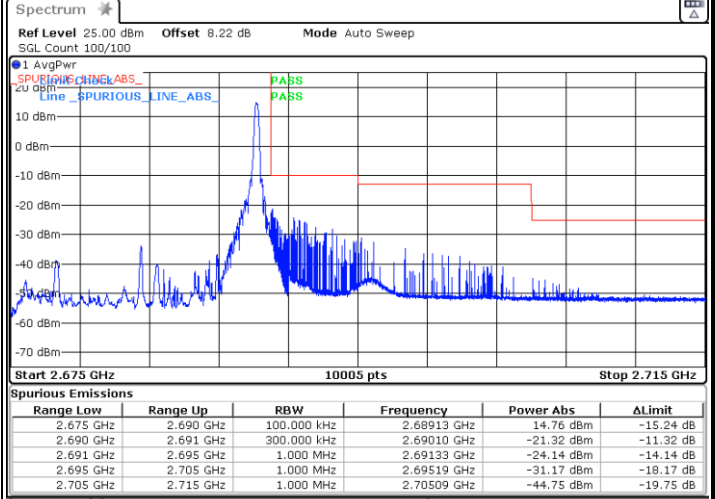
LTE Band 41 / 15MHz / 256QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



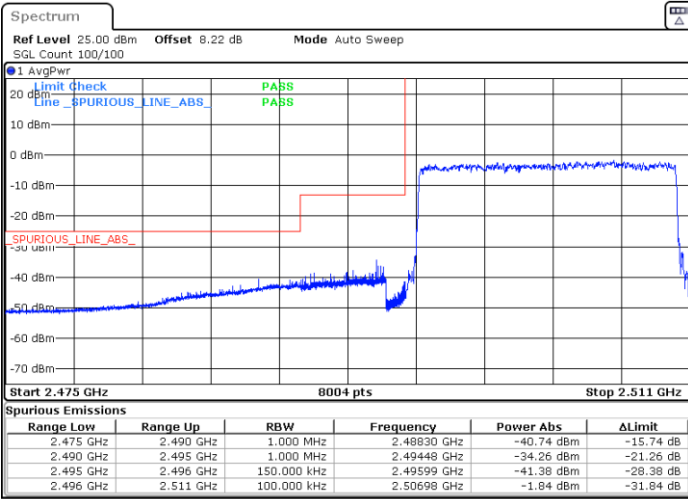
Date: 13.JAN.2023 06:10:46



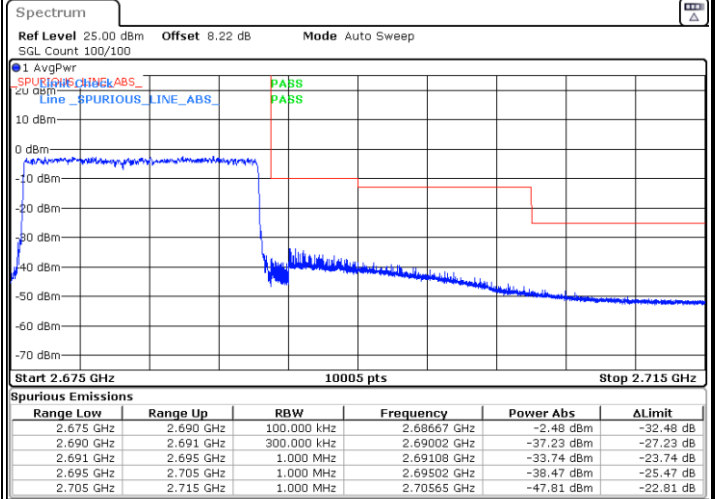
Date: 13.JAN.2023 06:27:21

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 13.JAN.2023 06:14:08

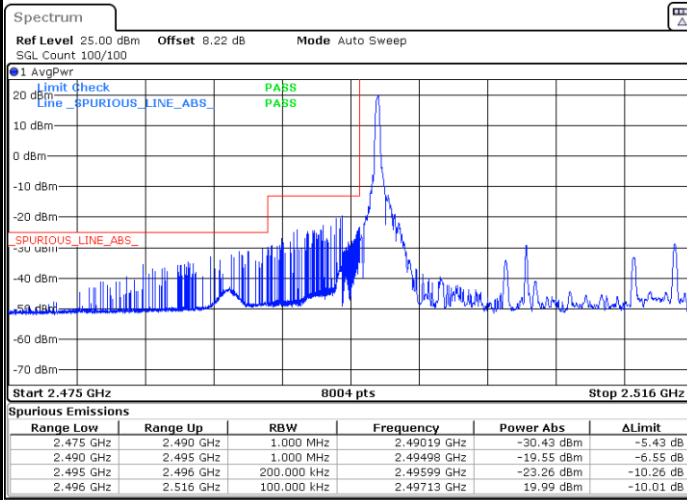


Date: 13.JAN.2023 06:25:57



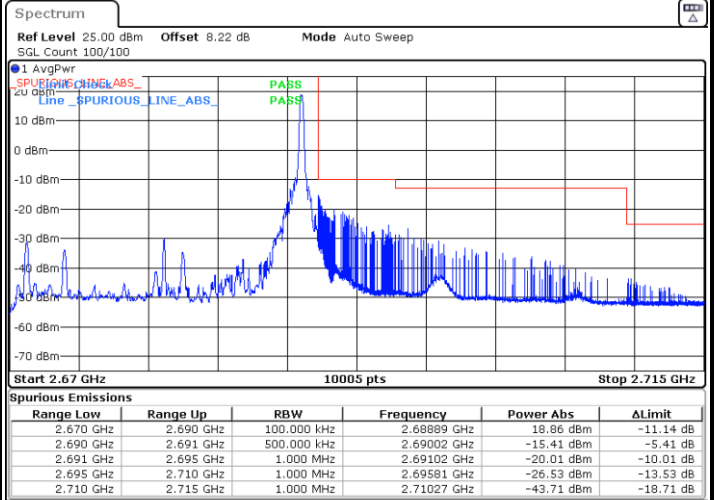
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



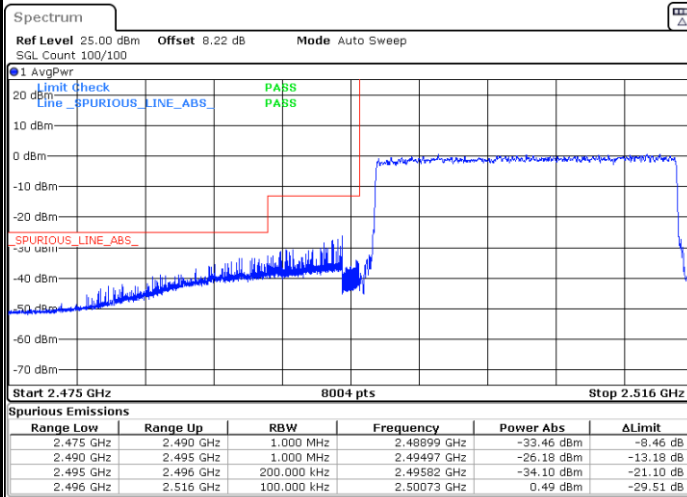
Date: 13.JAN.2023 06:30:28

Highest Band Edge / 1 RB



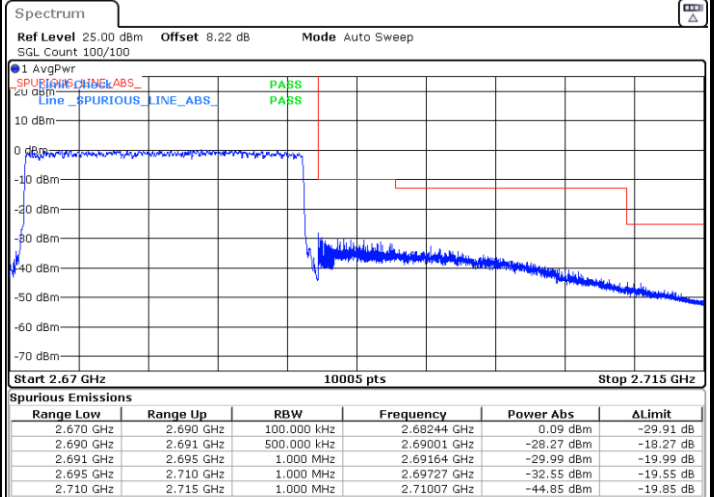
Date: 13.JAN.2023 06:39:50

Lowest Band Edge / Full RB



Date: 13.JAN.2023 06:33:49

Highest Band Edge / Full RB

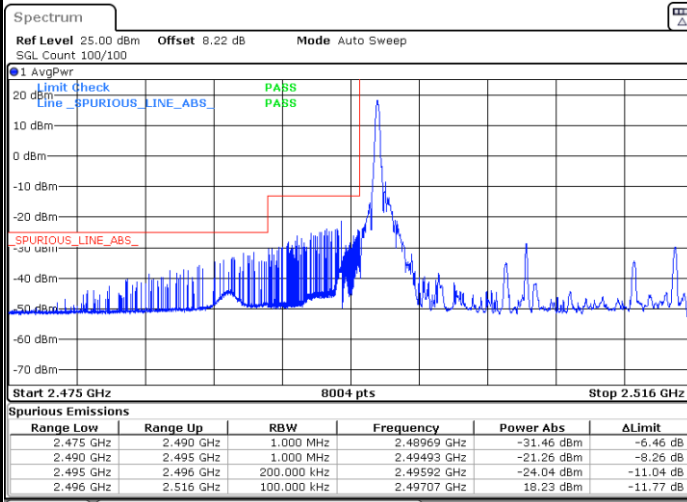


Date: 13.JAN.2023 06:43:10



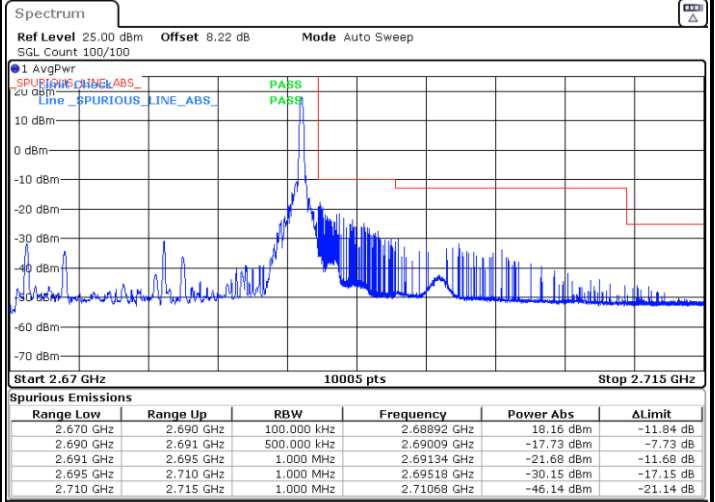
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



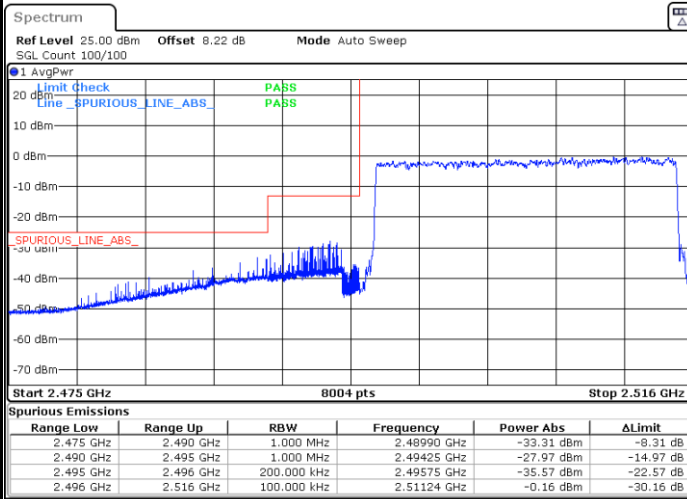
Date: 13.JAN.2023 06:31:18

Highest Band Edge / 1 RB



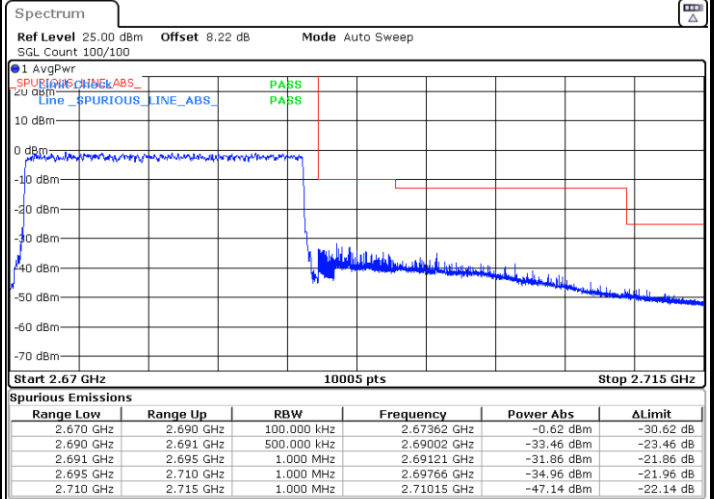
Date: 13.JAN.2023 06:40:40

Lowest Band Edge / Full RB



Date: 13.JAN.2023 06:34:39

Highest Band Edge / Full RB

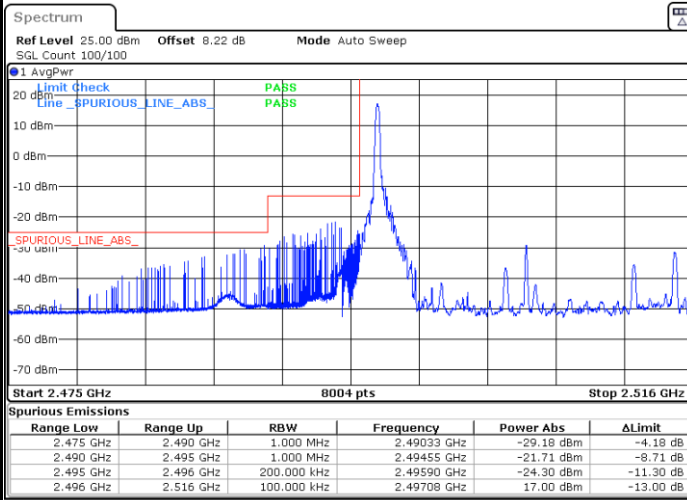


Date: 13.JAN.2023 06:43:59



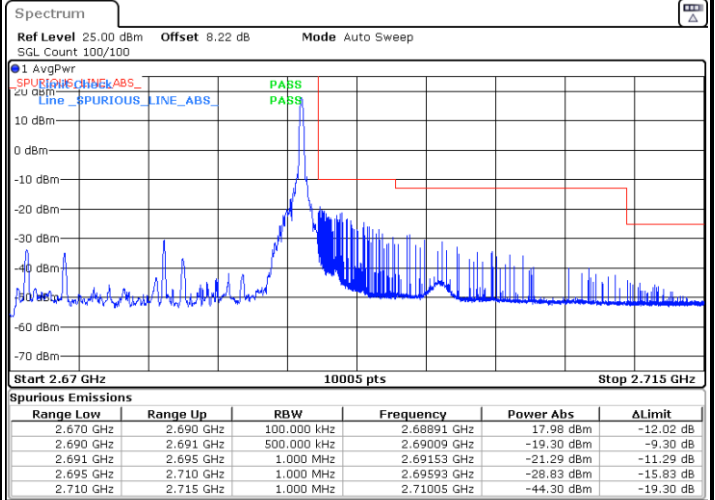
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



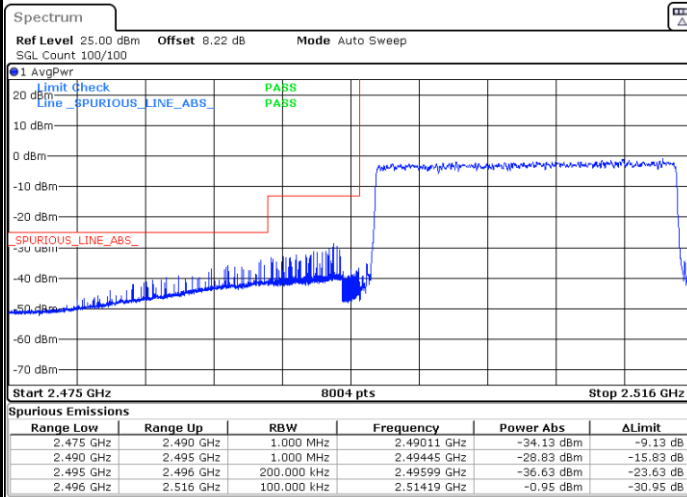
Date: 13.JAN.2023 06:32:08

Highest Band Edge / 1 RB



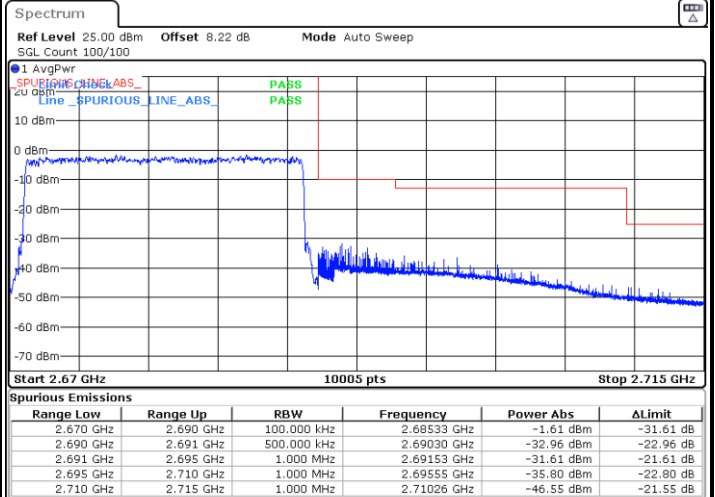
Date: 13.JAN.2023 06:41:30

Lowest Band Edge / Full RB



Date: 13.JAN.2023 06:35:30

Highest Band Edge / Full RB

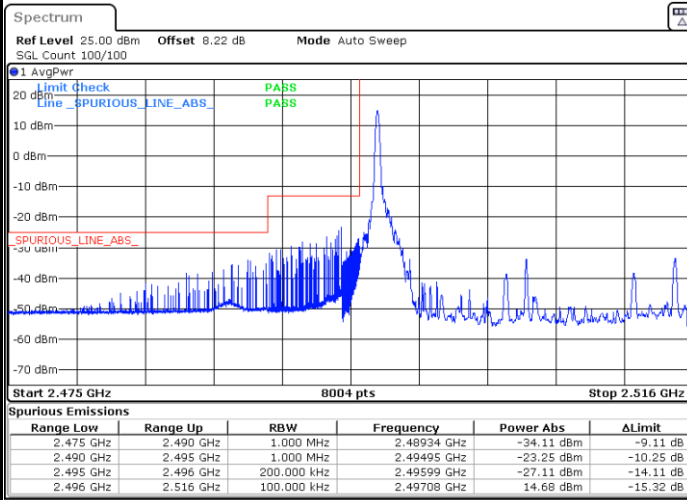


Date: 13.JAN.2023 06:44:50



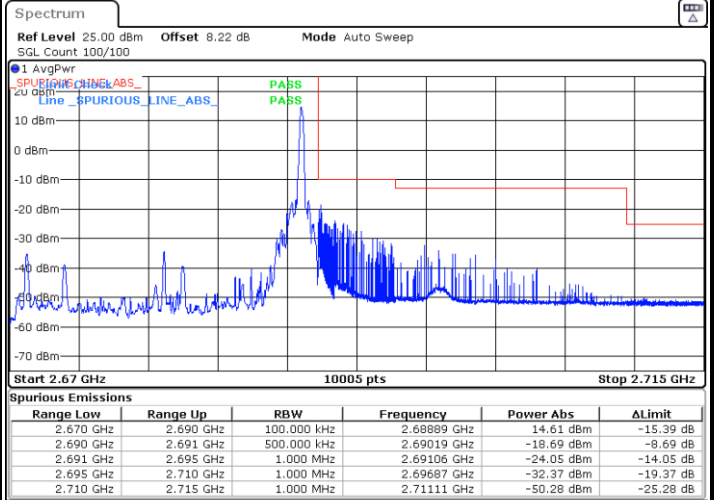
LTE Band 41 / 20MHz / 256QAM

Lowest Band Edge / 1 RB



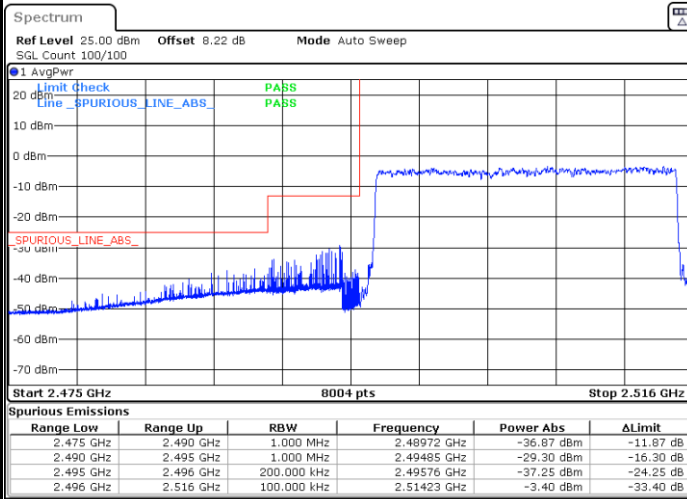
Date: 13.JAN.2023 06:32:59

Highest Band Edge / 1 RB



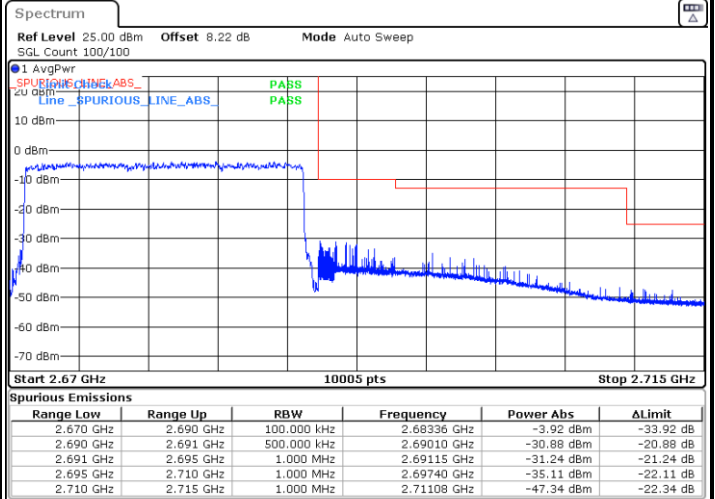
Date: 13.JAN.2023 06:42:20

Lowest Band Edge / Full RB



Date: 13.JAN.2023 06:36:20

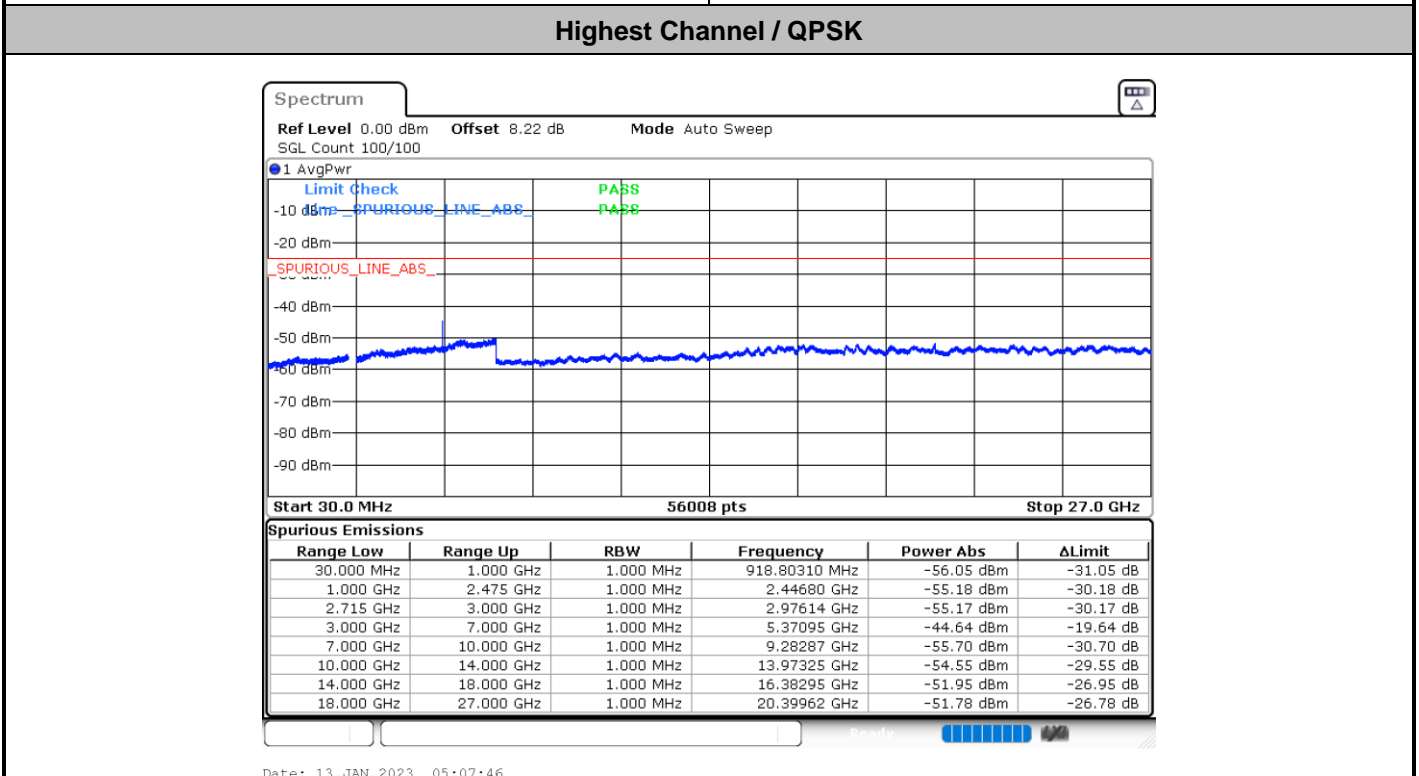
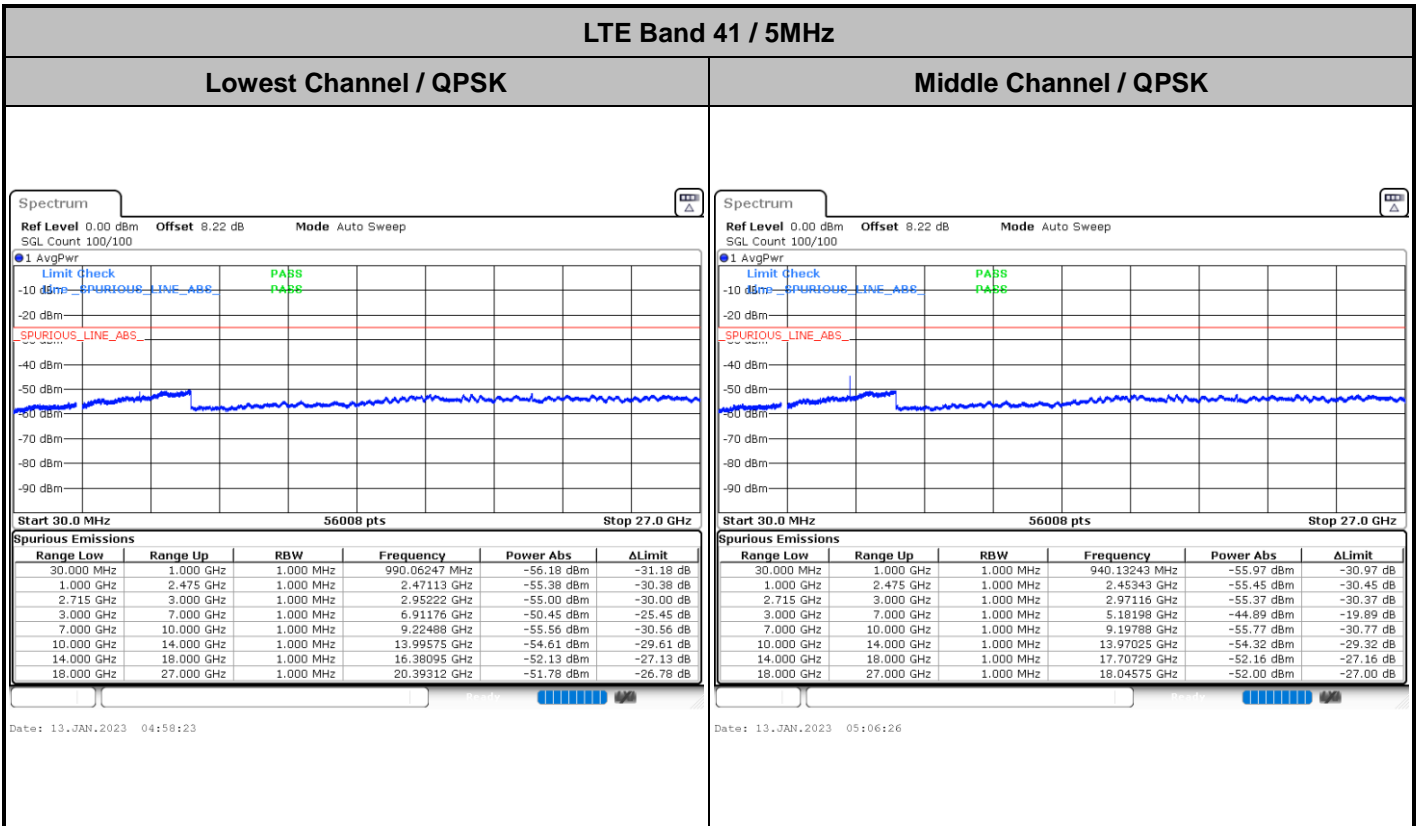
Highest Band Edge / Full RB



Date: 13.JAN.2023 06:45:40



Conducted Spurious Emission

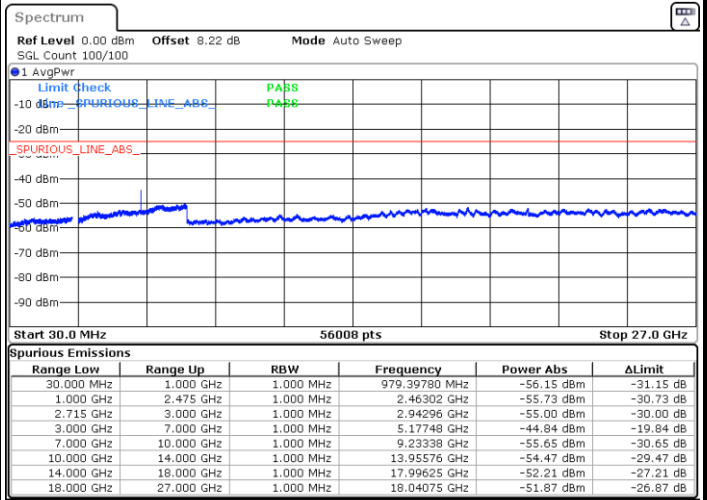
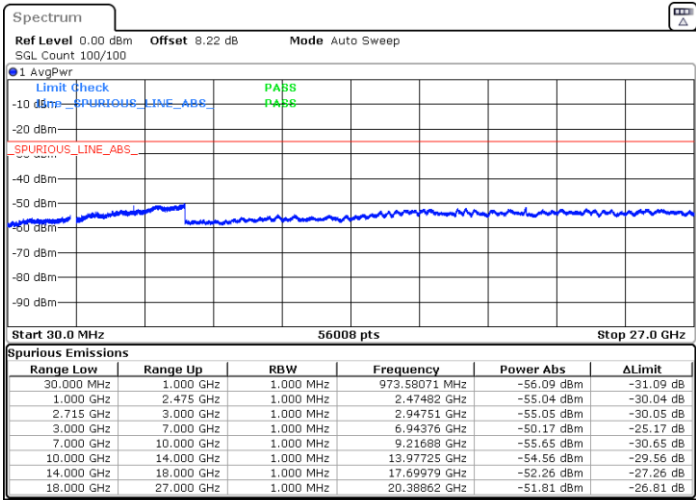




LTE Band 41 / 10MHz

Lowest Channel / QPSK

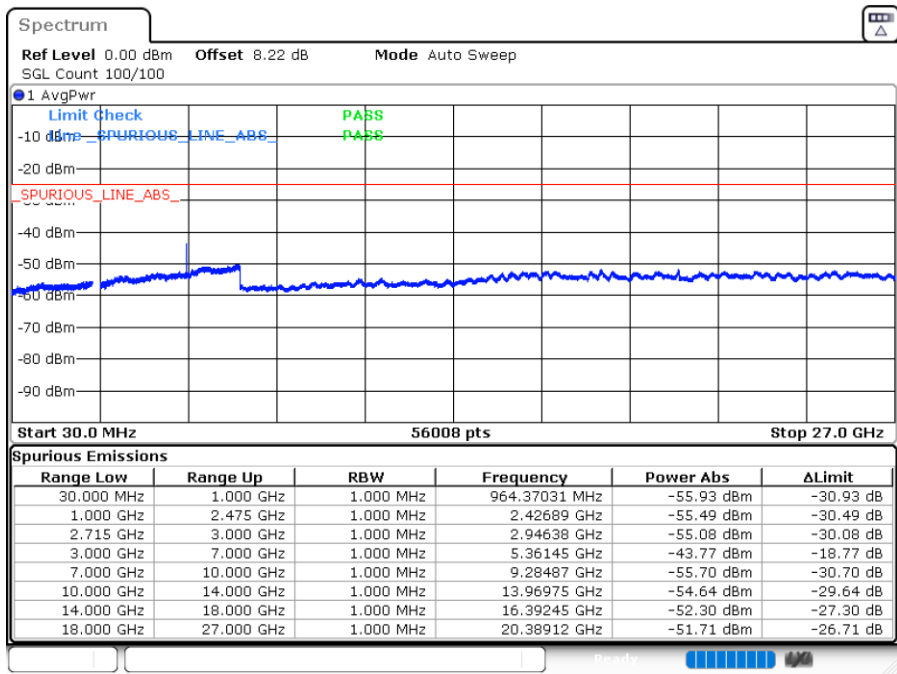
Middle Channel / QPSK



Date: 13. JAN. 2023 05:24:10

Date: 13. JAN. 2023 05:32:12

Highest Channel / QPSK



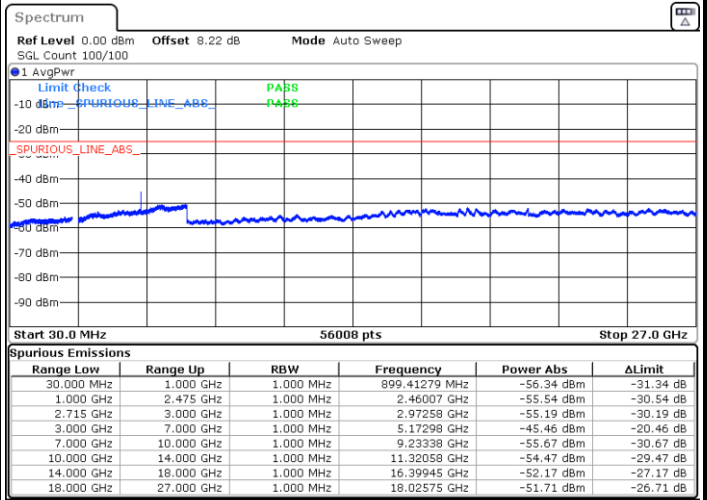
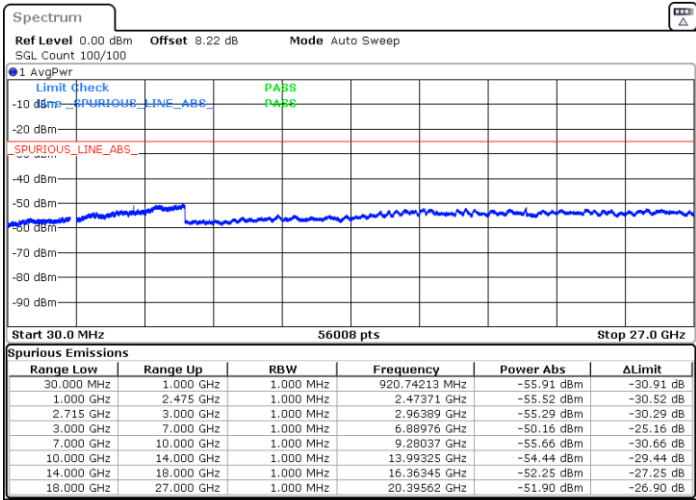
Date: 13. JAN. 2023 05:33:31



LTE Band 41 / 15MHz

Lowest Channel / QPSK

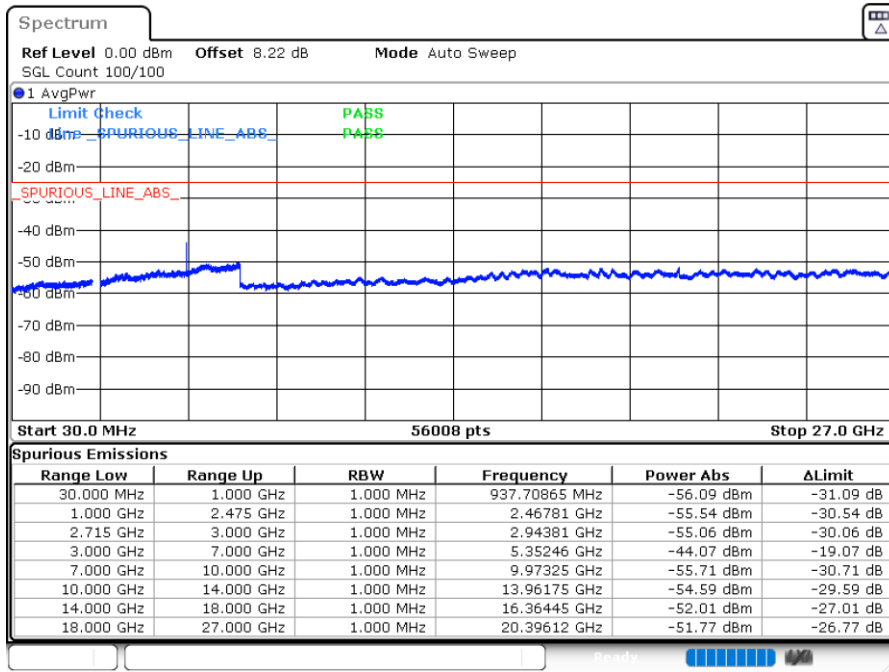
Middle Channel / QPSK



Date: 13. JAN. 2023 05:41:55

Date: 13. JAN. 2023 06:16:28

Highest Channel / QPSK



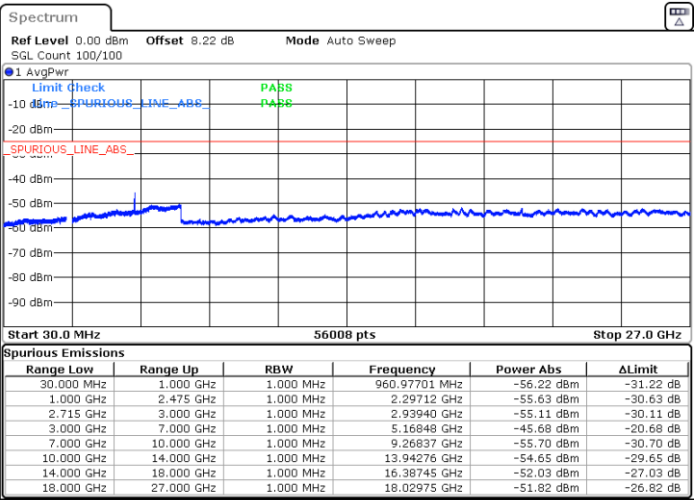
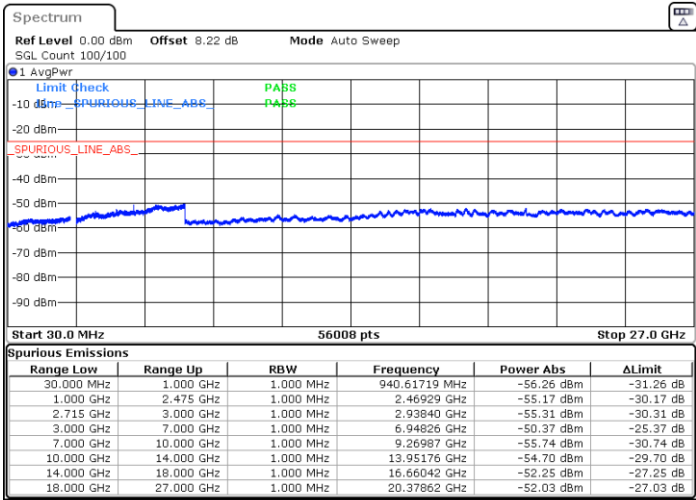
Date: 13. JAN. 2023 06:17:49



LTE Band 41 / 20MHz

Lowest Channel / QPSK

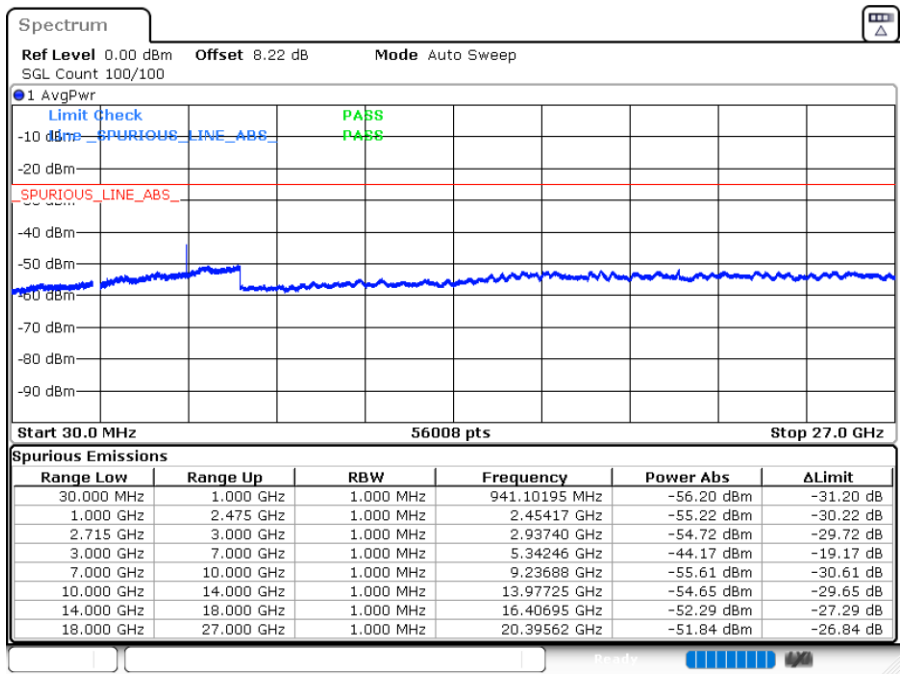
Middle Channel / QPSK



Date: 13. JAN. 2023 06:29:38

Date: 13. JAN. 2023 06:37:40

Highest Channel / QPSK



Date: 13. JAN. 2023 06:39:00



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	0.0021	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0009	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0012	
-10	Normal Voltage	0.0017	
-20	Normal Voltage	0.0023	
-30	Normal Voltage	0.0022	
20	Maximum Voltage	0.0018	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0014	

Note:

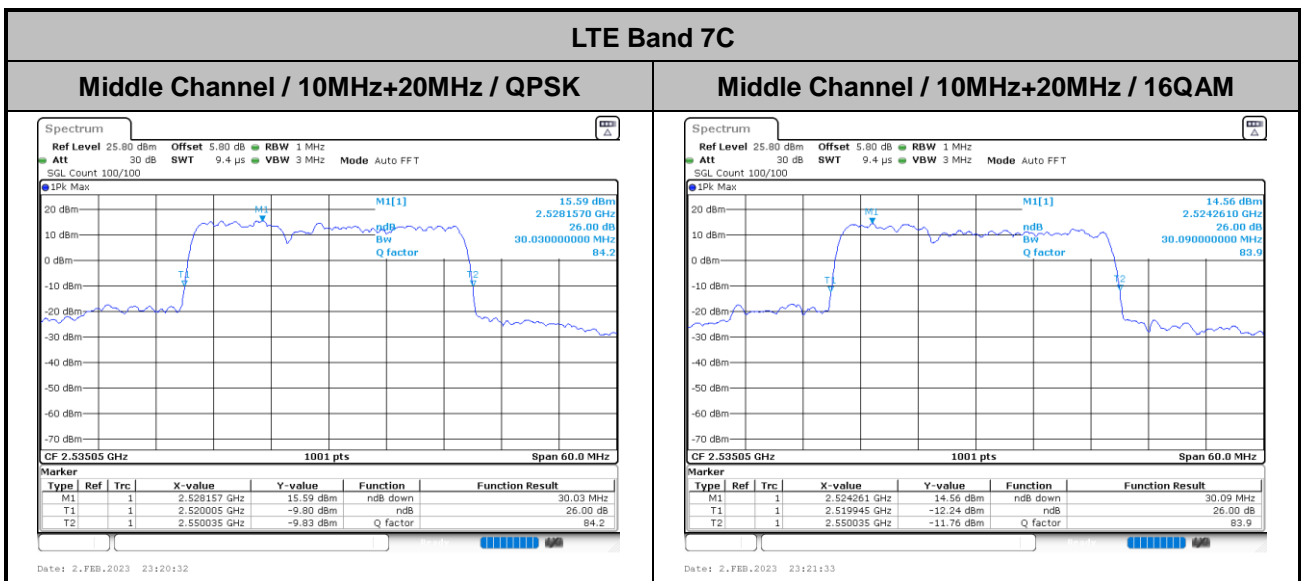
1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.3 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

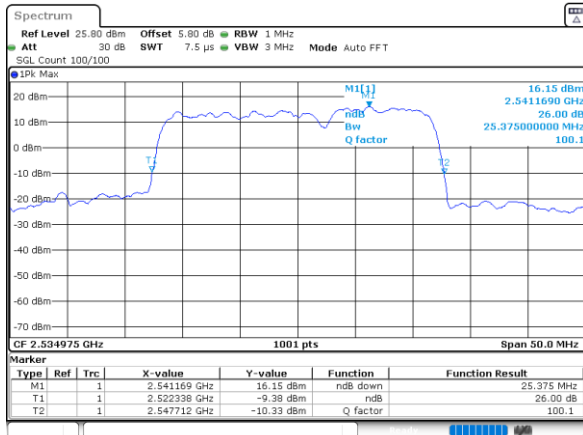
Mode	LTE Band 7C : 26dB BW(MHz)	
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	30.03	30.09
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	25.38	25.18
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	30.69	30.69
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	35.04	34.97
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	30.03	29.91
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	34.97	34.97
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	39.88	39.96





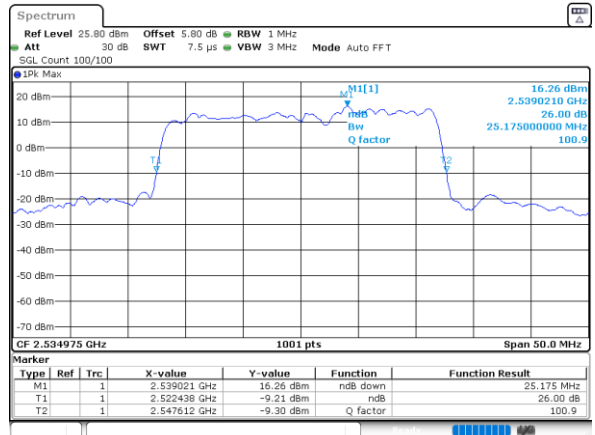
LTE Band 7C

Middle Channel / 15MHz+10MHz / QPSK



Date: 2.FEB.2023 23:17:00

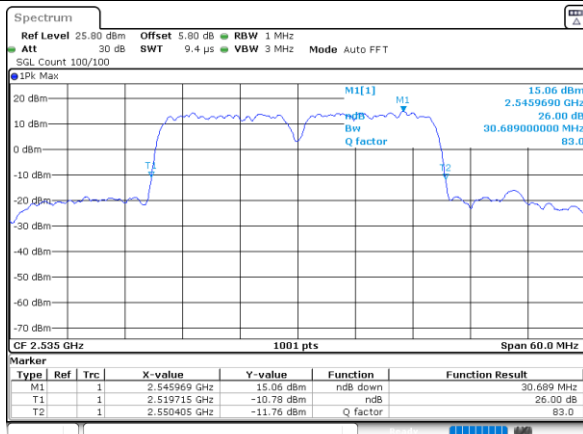
Middle Channel / 15MHz+10MHz / 16QAM



Date: 2.FEB.2023 23:18:24

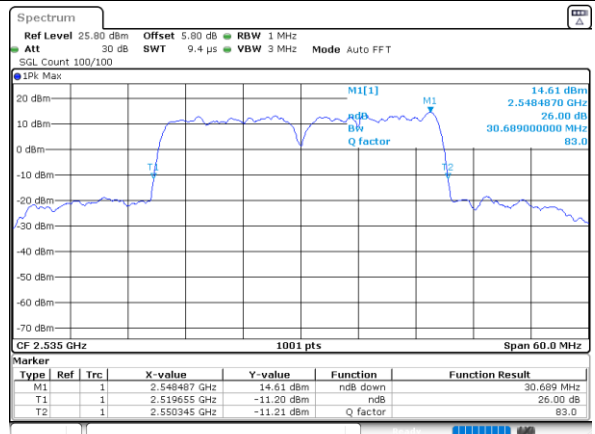
LTE Band 7C

Middle Channel / 15MHz+15MHz / QPSK



Date: 2.FEB.2023 23:14:22

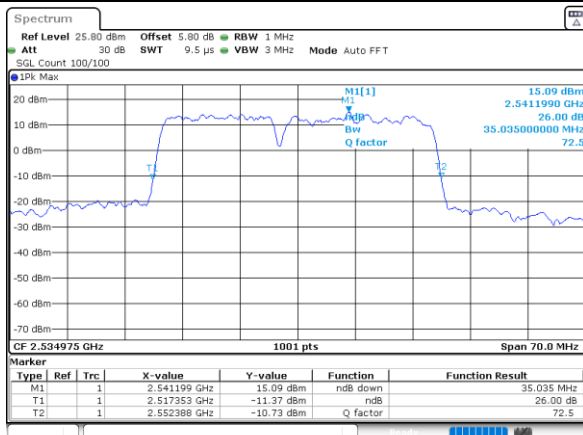
Middle Channel / 15MHz+15MHz / 16QAM



Date: 2.FEB.2023 23:15:22

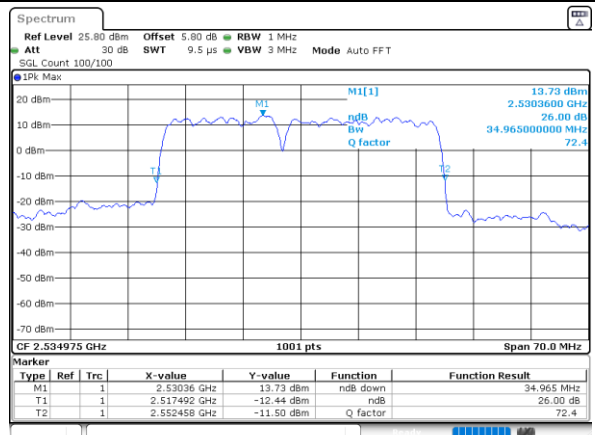
LTE Band 7C

Middle Channel / 15MHz+20MHz / QPSK



Date: 2.FEB.2023 23:10:27

Middle Channel / 15MHz+20MHz / 16QAM



Date: 2.FEB.2023 23:11:24