



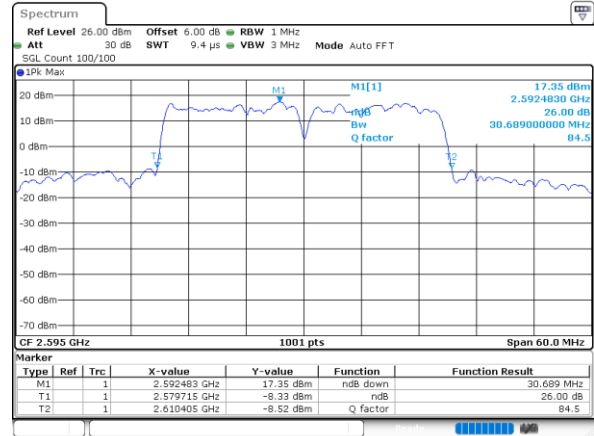
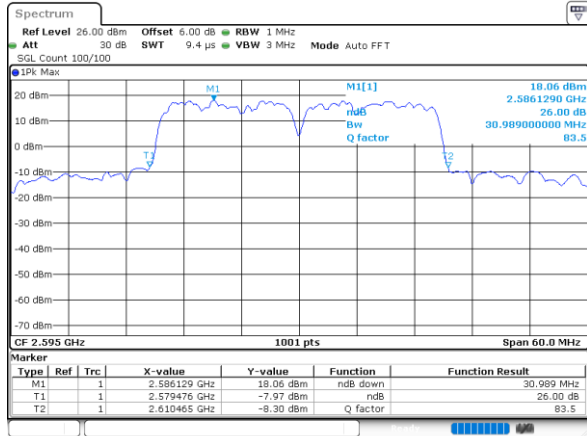
LTE Band 38C

QPSK

16QAM

Middle Channel / 15MHz+15MHz

Middle Channel / 15MHz+15MHz



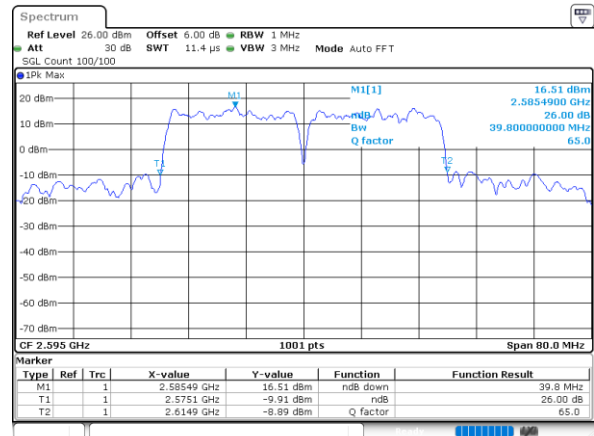
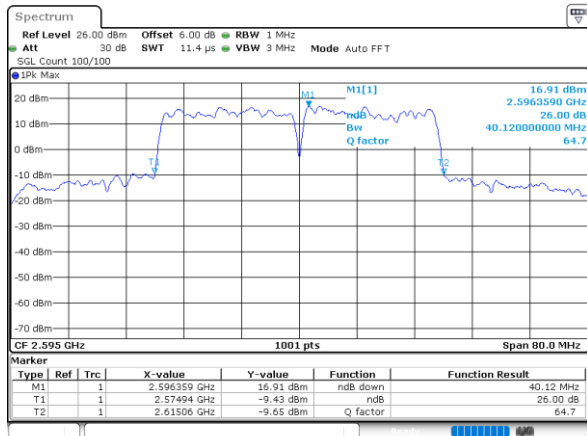
LTE Band 38C

QPSK

16QAM

Middle Channel / 20MHz+20MHz

Middle Channel / 20MHz+20MHz





Occupied Bandwidth

Mode	LTE Band 38C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	15MHz+15MHz	15MHz+15MHz
Middle CH	28.83	28.71
Mode	LTE Band 38C : 99%OBW(MHz)	
Mod.	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.72	37.72



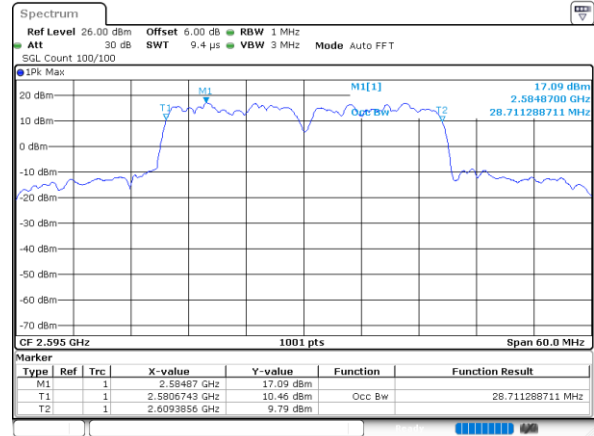
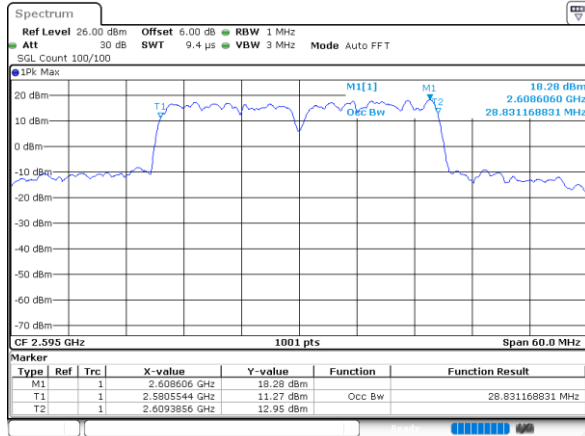
LTE Band 38C

QPSK

16QAM

Middle Channel / 15MHz+15MHz

Middle Channel / 15MHz+15MHz



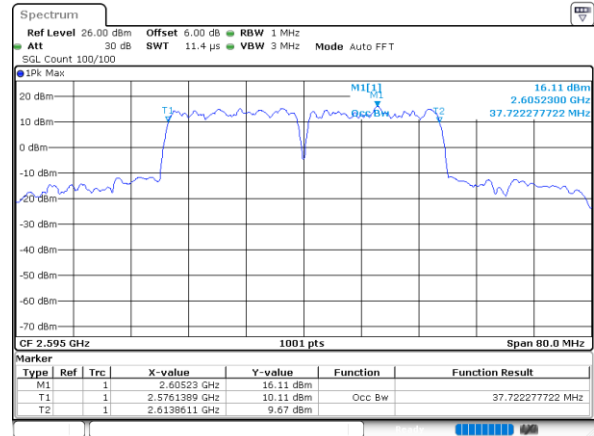
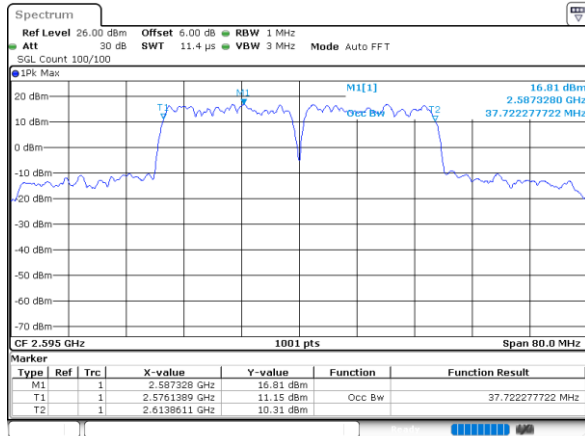
LTE Band 38C

QPSK

16QAM

Middle Channel / 20MHz+20MHz

Middle Channel / 20MHz+20MHz

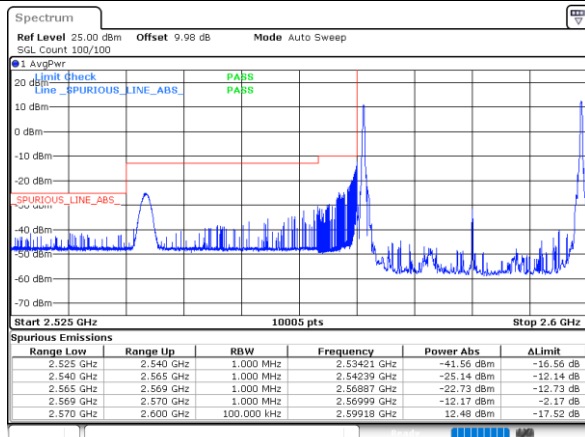




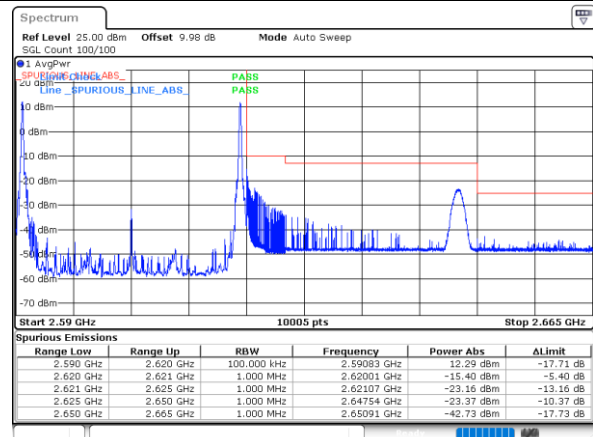
Conducted Band Edge

LTE Band 38C / 15MHz+15MHz / QPSK

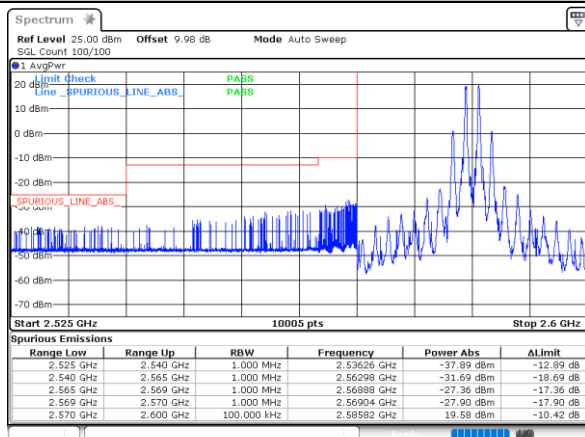
Lowest Band Edge / 1RB0 and 1RB74



Highest Band Edge / 1RB0 and 1RB74

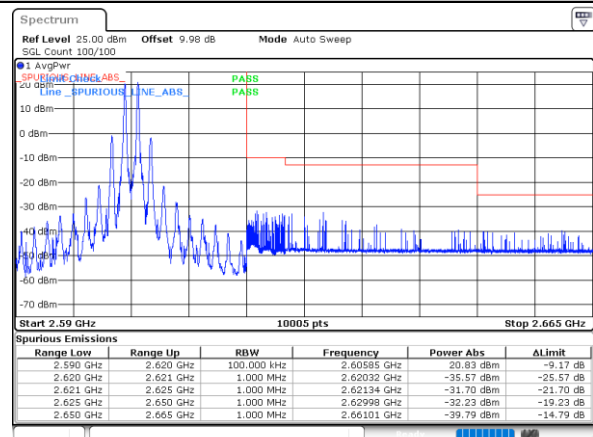


Lowest Band Edge / 1RB74 and 1RB0



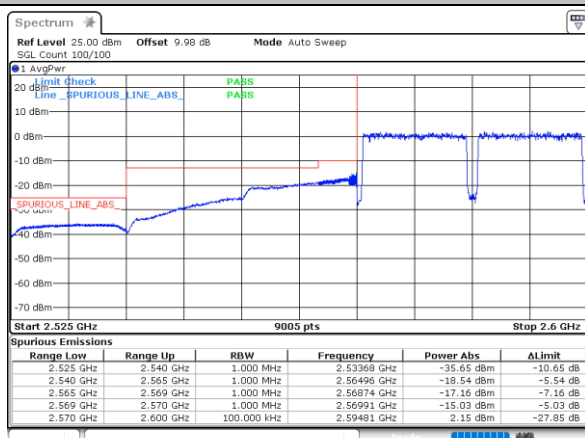
Date: 21.DEC.2022 05:33:29

Highest Band Edge / 1RB74 and 1RB0



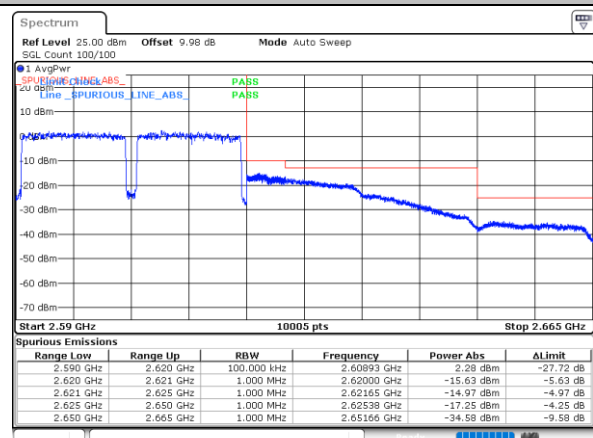
Date: 21.DEC.2022 06:15:31

Lowest Band Edge / Full RB



Date: 21.DEC.2022 06:06:04

Highest Band Edge / Full RB



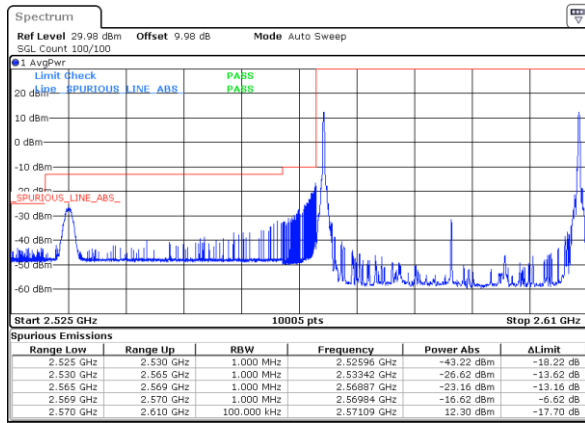
Date: 21.DEC.2022 06:20:29



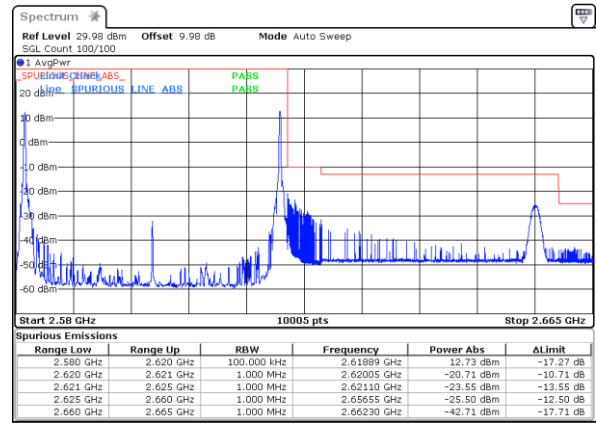
LTE Band 38C / 20MHz+20MHz

QPSK

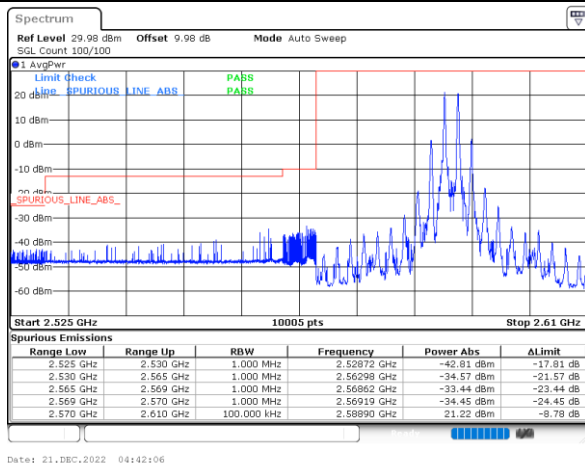
Lowest Band Edge / 1RB0 and 1RB99



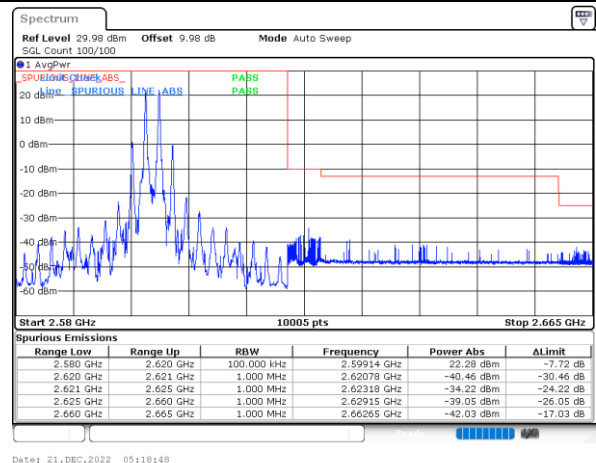
Highest Band Edge / 1RB0 and 1RB99



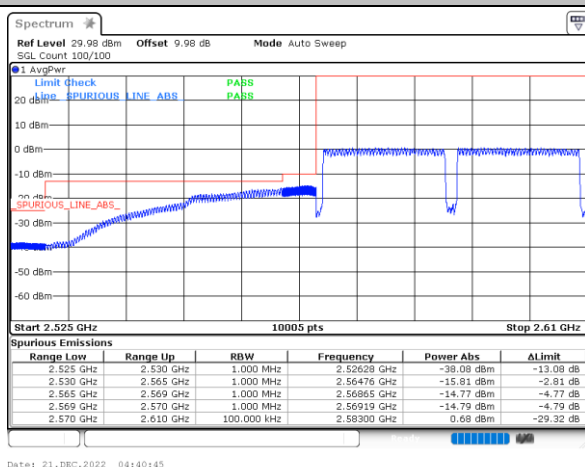
Lowest Band Edge / 1RB99 and 1RB0



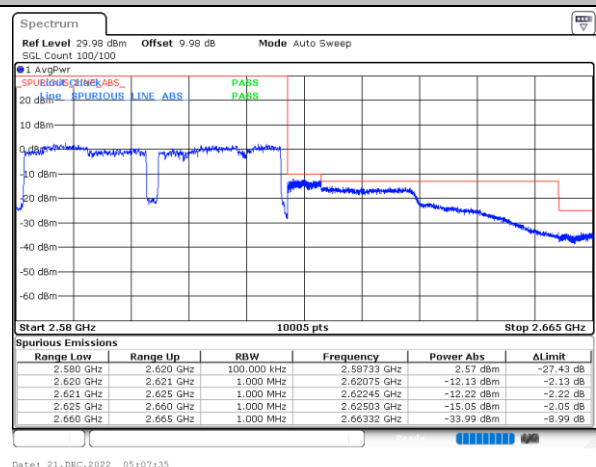
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





Lowest Band Edge / 1RB0 and 1RB74



Highest Band Edge / 1RB0 and 1RB74



Lowest Band Edge / 1RB74 and 1RB0



Highest Band Edge / 1RB74 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

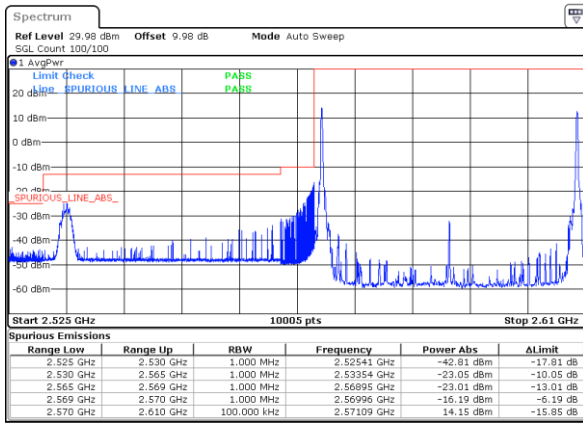




LTE Band 38C / 20MHz+20MHz

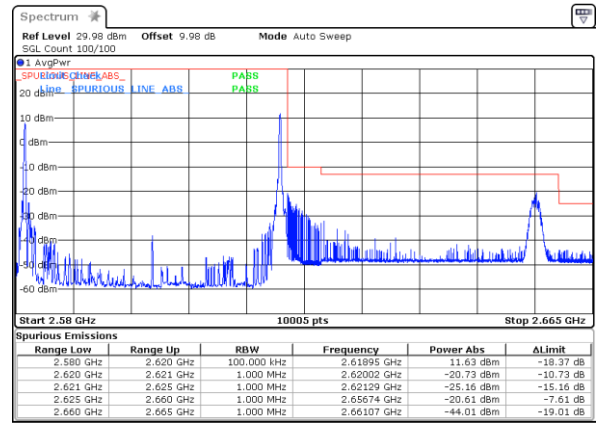
16QAM

Lowest Band Edge / 1RB0 and 1RB99



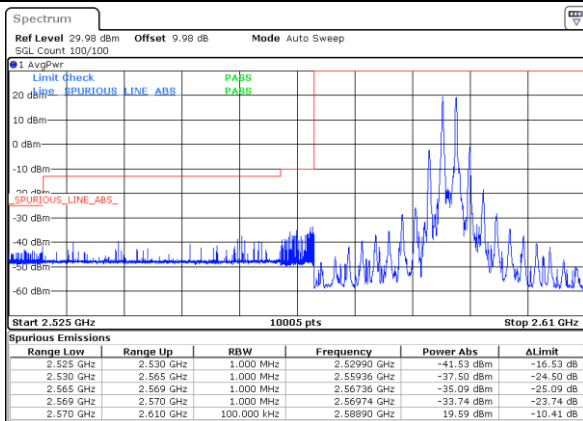
Date: 21.DEC.2022 04:51:16

Highest Band Edge / 1RB0 and 1RB99



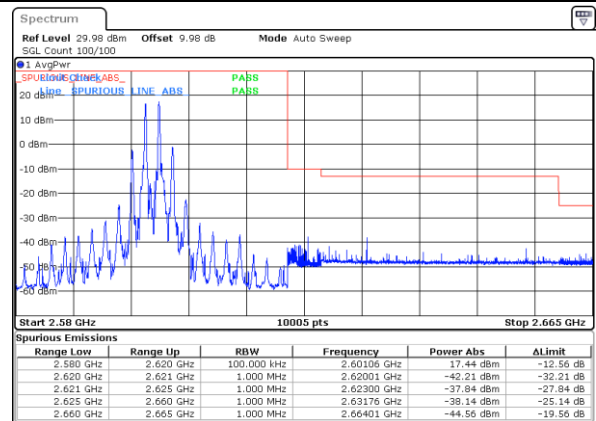
Date: 21.DEC.2022 05:16:54

Lowest Band Edge / 1RB99 and 1RB0



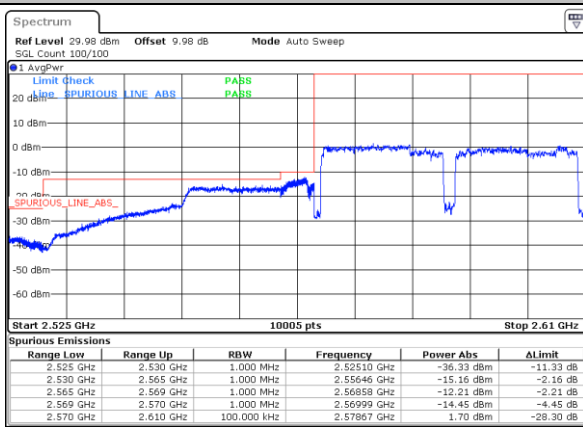
Date: 21.DEC.2022 04:53:44

Highest Band Edge / 1RB99 and 1RB0



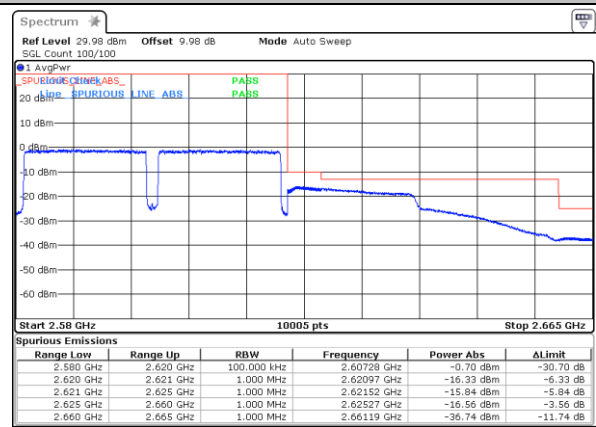
Date: 21.DEC.2022 05:21:29

Lowest Band Edge / Full RB



Date: 21.DEC.2022 04:48:35

Highest Band Edge / Full RB



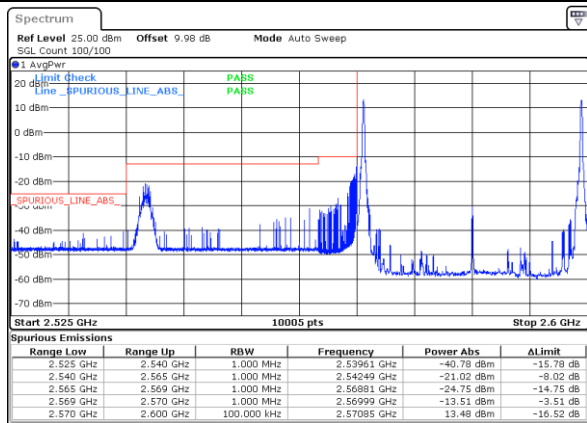
Date: 21.DEC.2022 05:09:25



LTE Band 38C / 15MHz+15MHz

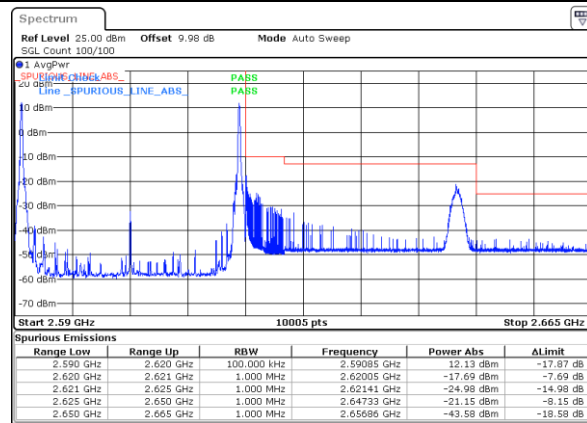
64QAM

Lowest Band Edge / 1RB0 and 1RB74



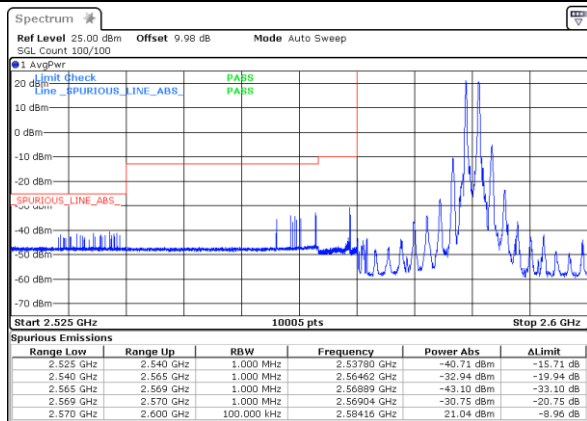
Date: 21.DEC.2022 05:44:06

Highest Band Edge / 1RB0 and 1RB74



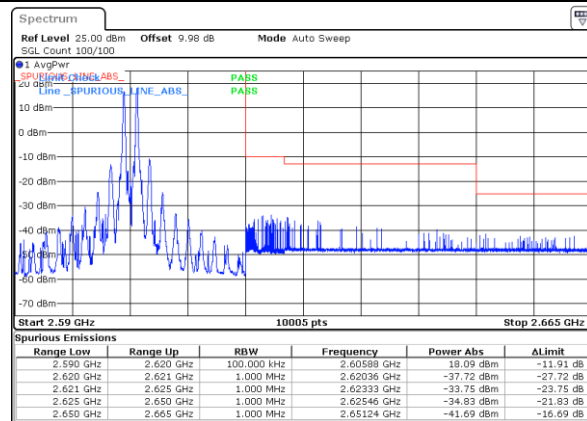
Date: 21.DEC.2022 06:18:33

Lowest Band Edge / 1RB74 and 1RB0



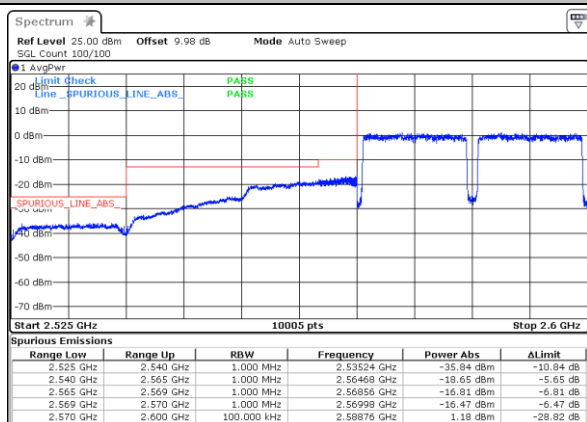
Date: 21.DEC.2022 05:42:17

Highest Band Edge / 1RB74 and 1RB0



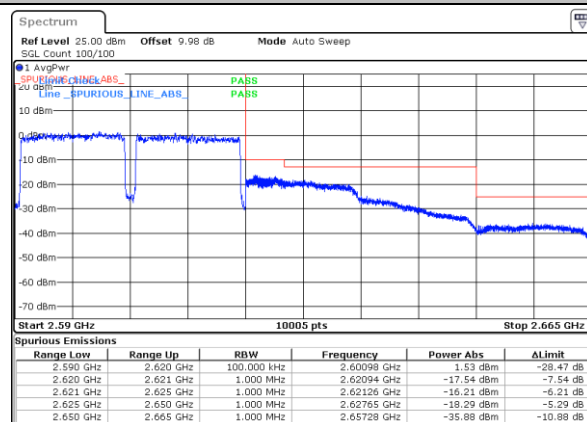
Date: 21.DEC.2022 06:16:44

Lowest Band Edge / Full RB



Date: 21.DEC.2022 06:08:09

Highest Band Edge / Full RB



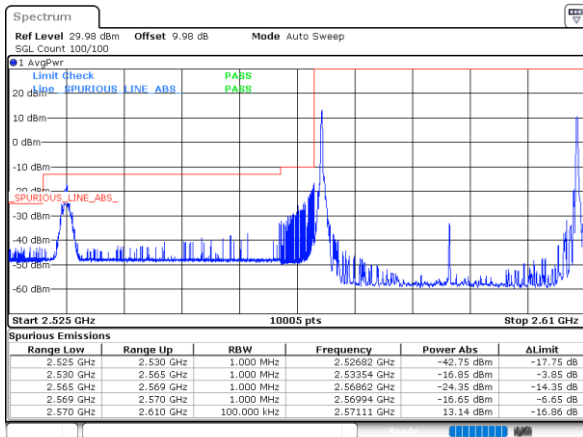
Date: 21.DEC.2022 06:25:04



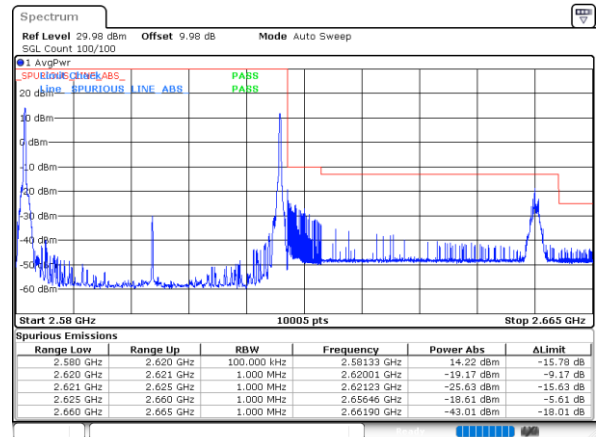
LTE Band 38C / 20MHz+20MHz

64QAM

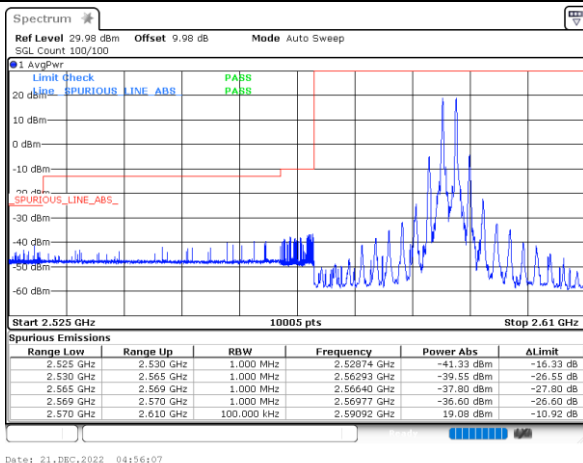
Lowest Band Edge / 1RB0 and 1RB99



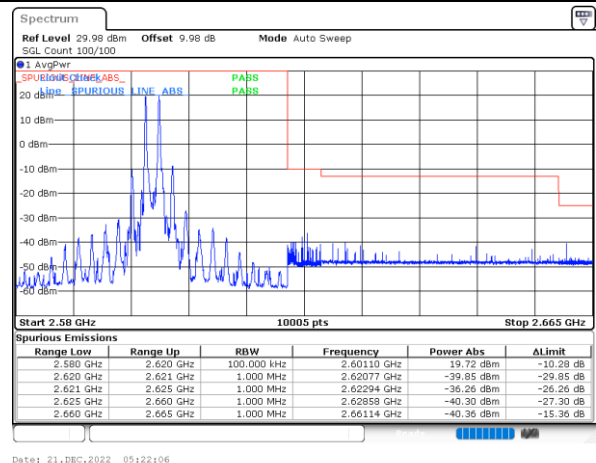
Highest Band Edge / 1RB0 and 1RB99



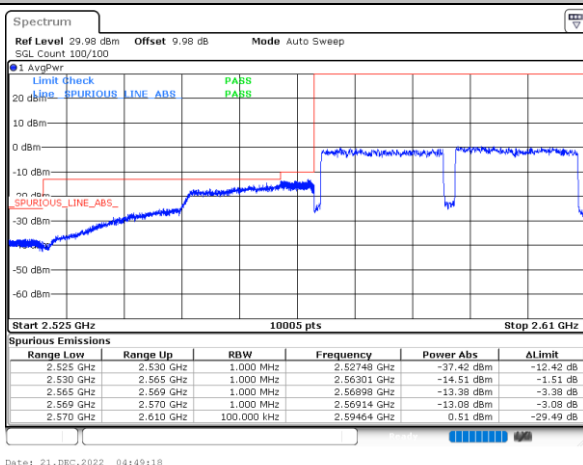
Lowest Band Edge / 1RB99 and 1RB0



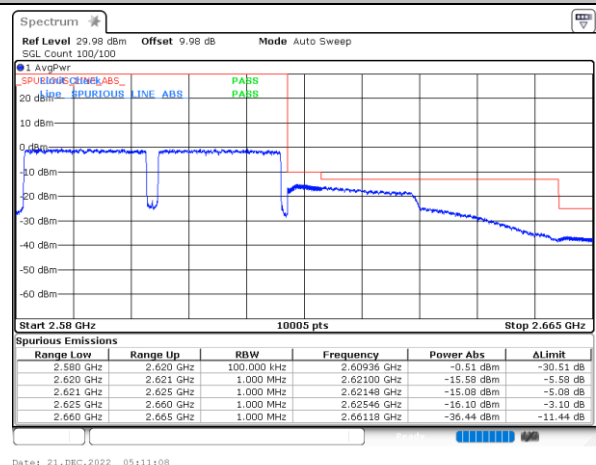
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

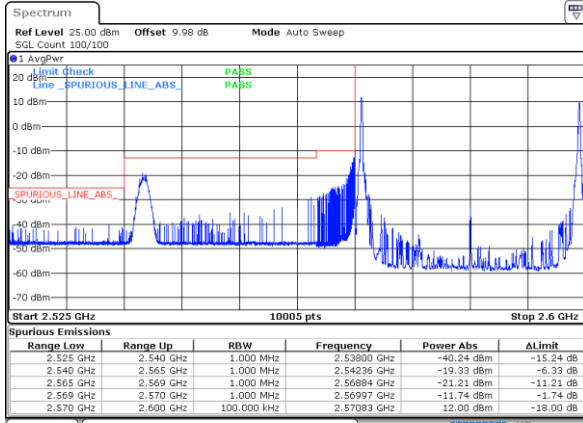




LTE Band 38C / 15MHz+15MHz

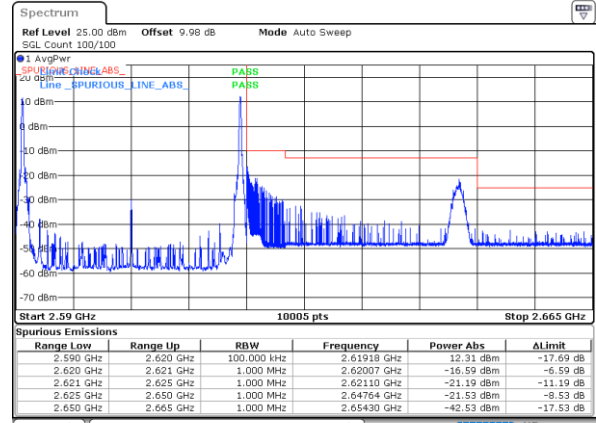
256QAM

Lowest Band Edge / 1RB0 and 1RB74



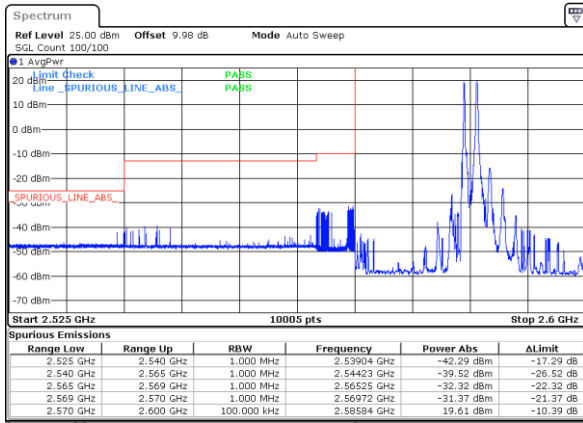
Date: 21.DEC.2022 06:10:23

Highest Band Edge / 1RB0 and 1RB74



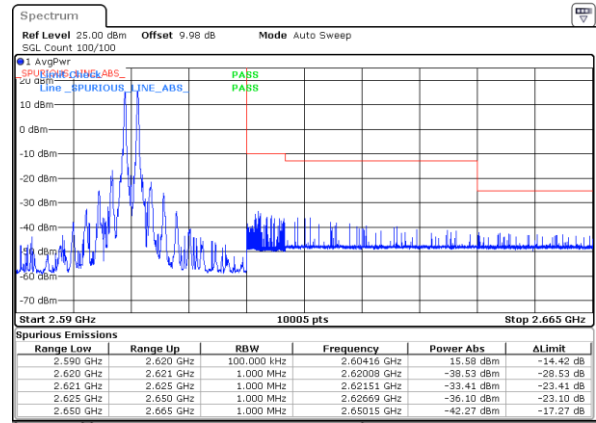
Date: 21.DEC.2022 06:17:57

Lowest Band Edge / 1RB74 and 1RB0



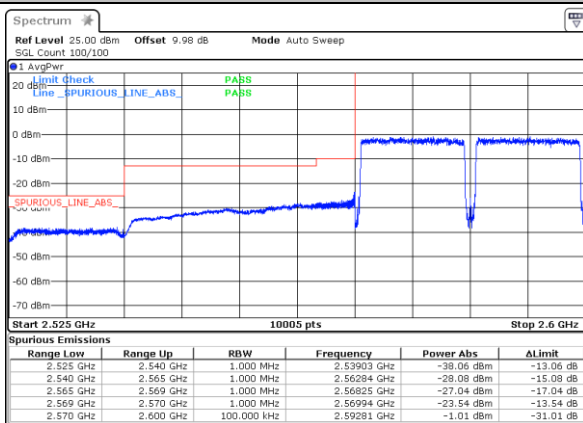
Date: 21.DEC.2022 05:42:53

Highest Band Edge / 1RB74 and 1RB0



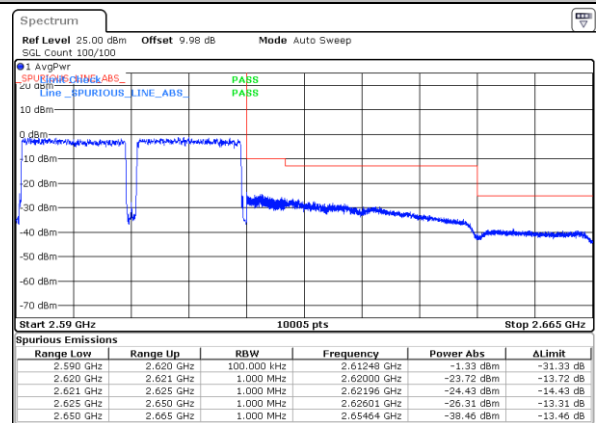
Date: 21.DEC.2022 06:17:20

Lowest Band Edge / Full RB



Date: 21.DEC.2022 06:09:08

Highest Band Edge / Full RB



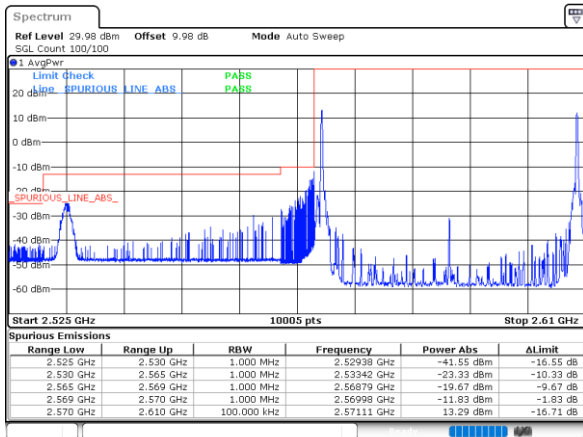
Date: 21.DEC.2022 06:25:50



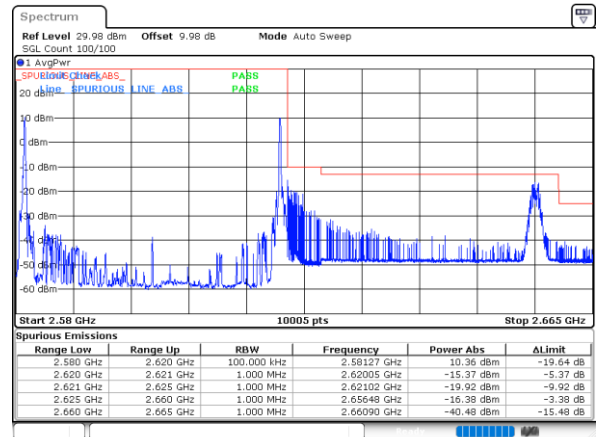
LTE Band 38C / 20MHz+20MHz

256QAM

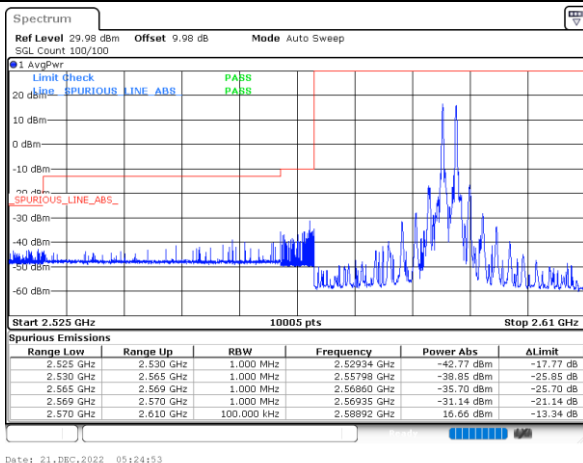
Lowest Band Edge / 1RB0 and 1RB99



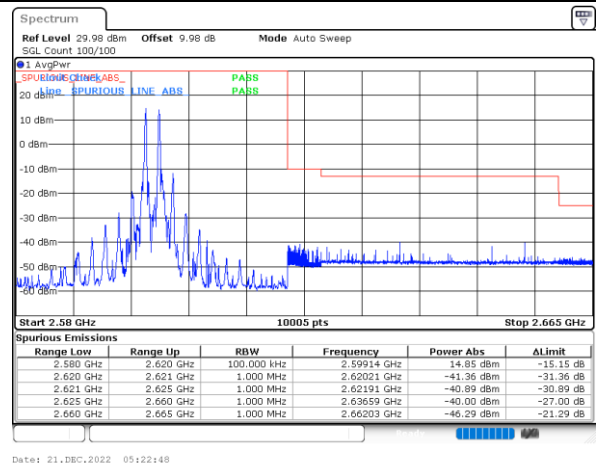
Highest Band Edge / 1RB0 and 1RB99



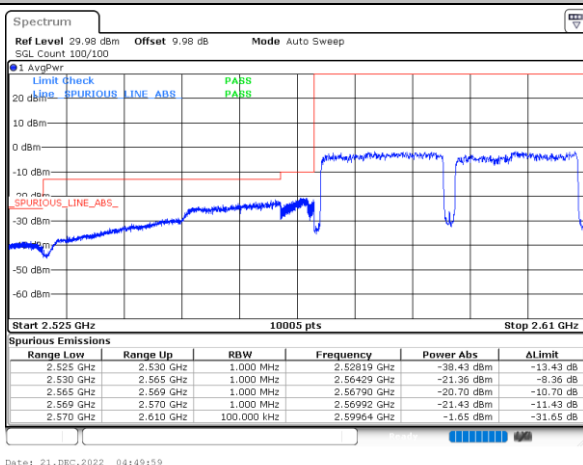
Lowest Band Edge / 1RB99 and 1RB0



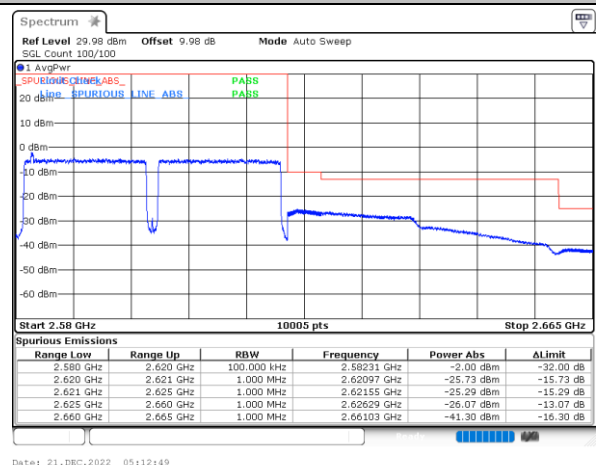
Highest Band Edge / 1RB99 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB





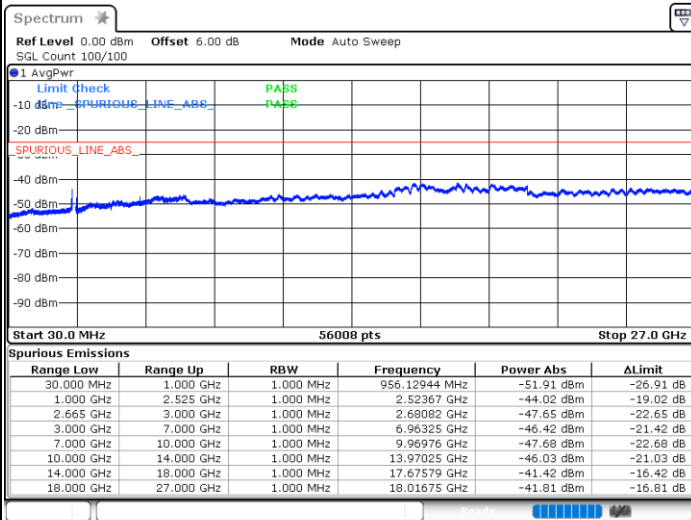
Conducted Spurious Emission

LTE Band 38C / 15MHz+15MHz

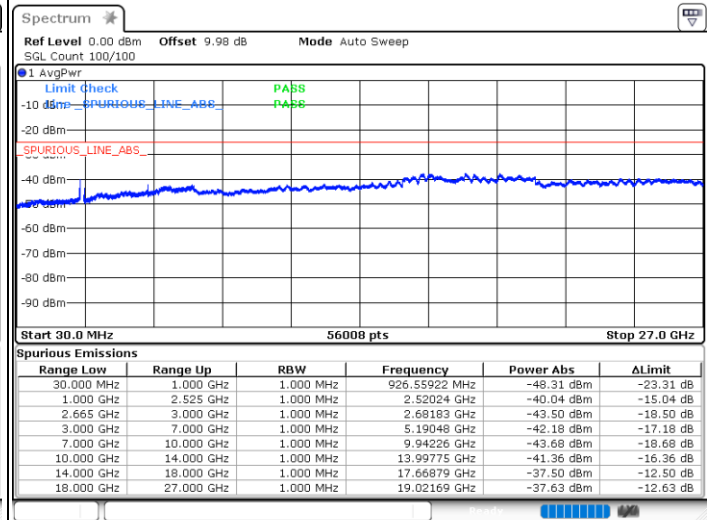
QPSK

Lowest Channel / 1RB74 and 1RB0

Middle Channel / 1RB74 and 1RB0



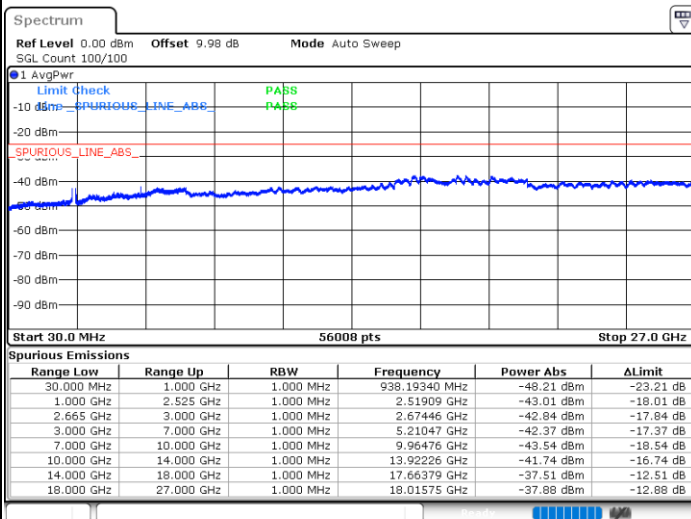
Date: 21.DEC.2022 05:32:37



Date: 21.DEC.2022 05:30:56

Highest Channel / 1RB74 and 1RB0

N/A



Date: 21.DEC.2022 06:14:27

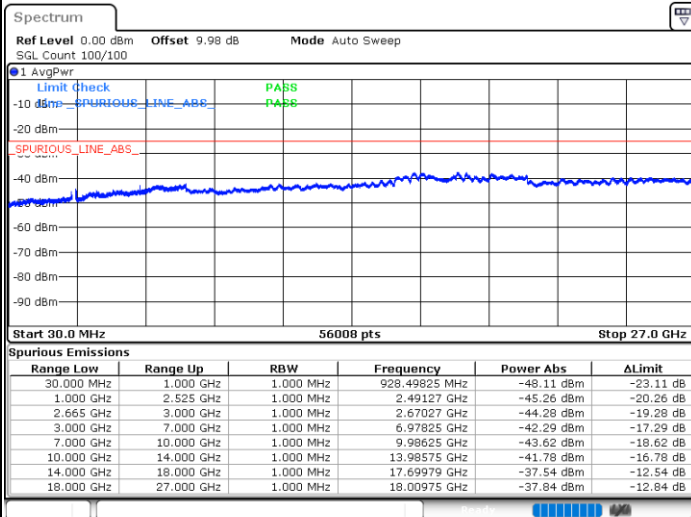


LTE Band 38C / 20MHz+20MHz

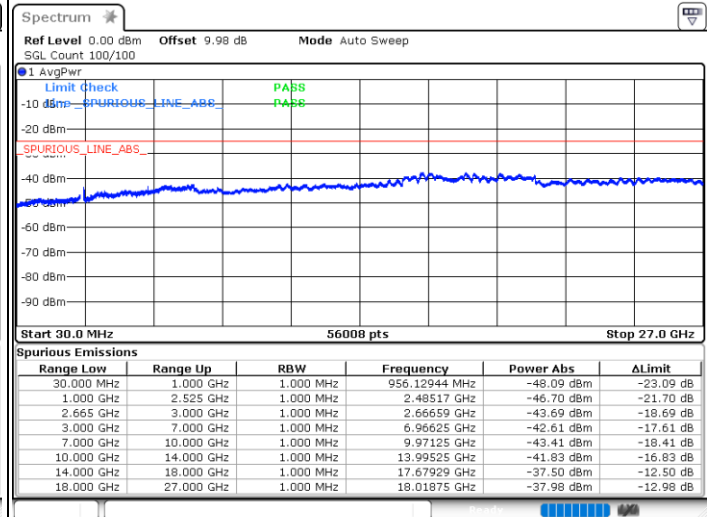
QPSK

Lowest Channel / 1RB99 and 1RB0

Middle Channel / 1RB99 and 1RB0



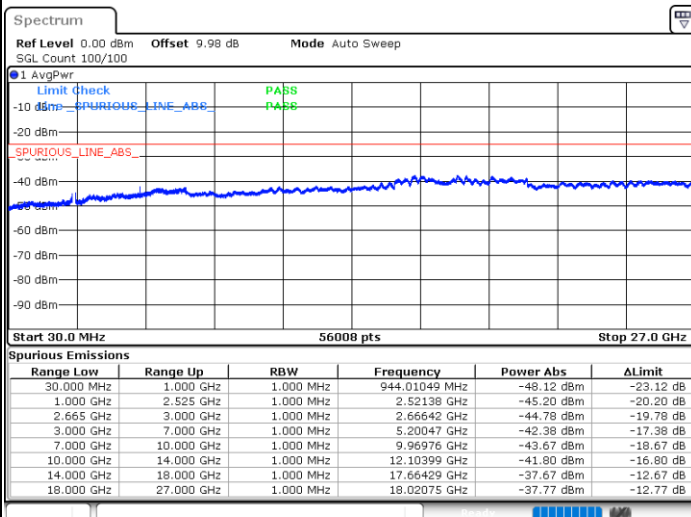
Date: 21.DEC.2022 04:59:56



Date: 21.DEC.2022 05:06:17

Highest Channel / 1RB99 and 1RB0

N/A



Date: 21.DEC.2022 05:19:58

Frequency Stability

Test Conditions		LTE Band 38C (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20M+20M	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0011	PASS
40	Normal Voltage	0.0016	
30	Normal Voltage	0.0028	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0012	
0	Normal Voltage	0.0024	
-10	Normal Voltage	0.0016	
-20	Normal Voltage	0.0027	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.5 V. ; Maximum Voltage =4.45 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41C

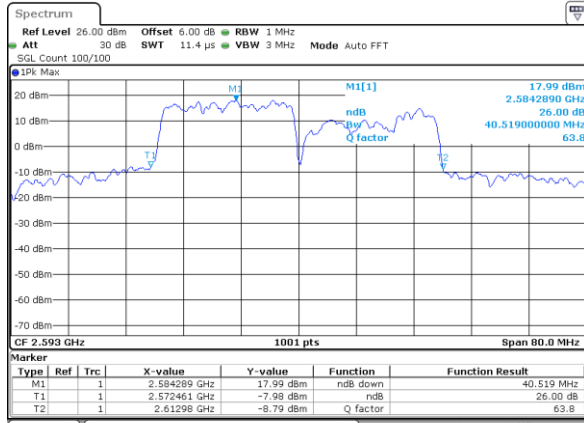
26dB Bandwidth

Mode	LTE Band 41-CA : 26dB BW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	40.52	41.00
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	34.97	35.04
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	30.09	30.09
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	24.93	24.83
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	35.04	34.83
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	31.71	30.63
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	25.28	25.03
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	29.91	29.97
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	25.23	25.08
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	24.73	24.83



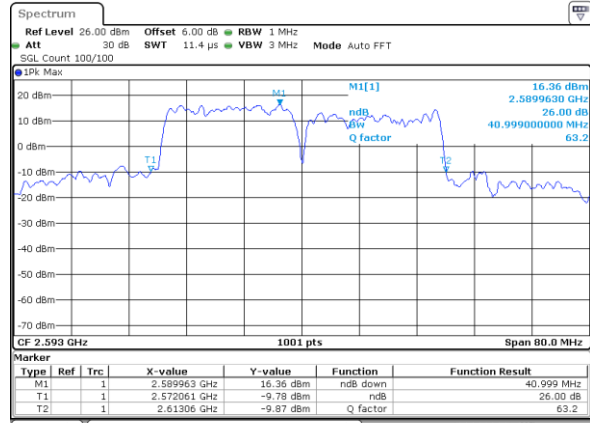
LTE Band 41

Middle Channel / 20MHz+20MHz / QPSK



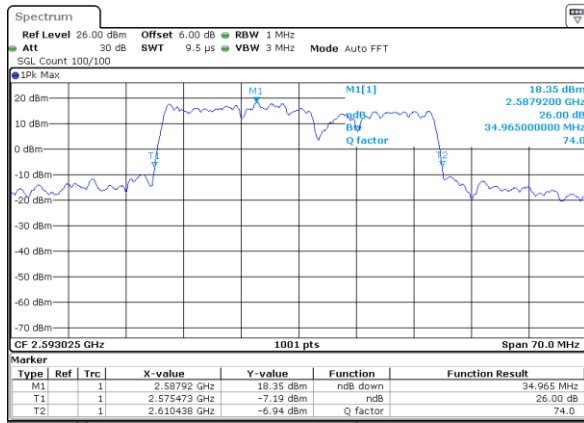
Date: 8,DEC,2022 19:08:39

Middle Channel / 20MHz+20MHz / 16QAM



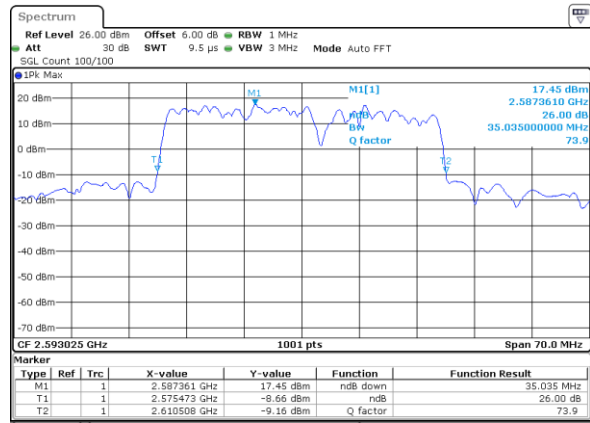
Date: 8,DEC,2022 19:10:01

Middle Channel / 20MHz+15MHz / QPSK



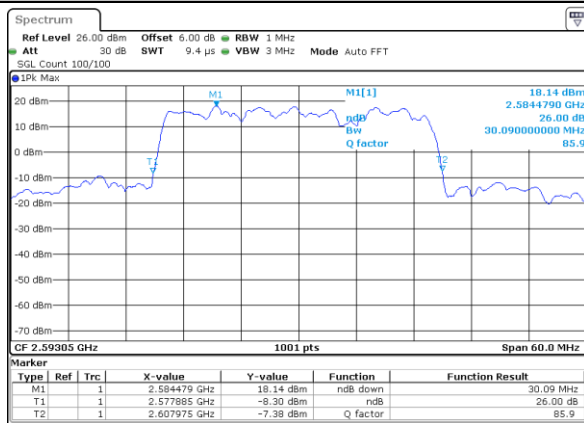
Date: 8,DEC,2022 19:06:43

Middle Channel / 20MHz+15MHz / 16QAM



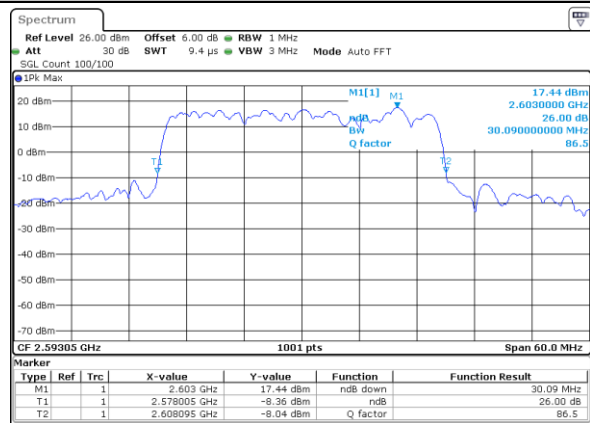
Date: 8,DEC,2022 19:08:05

Middle Channel / 20MHz+10MHz / QPSK



Date: 8,DEC,2022 18:48:05

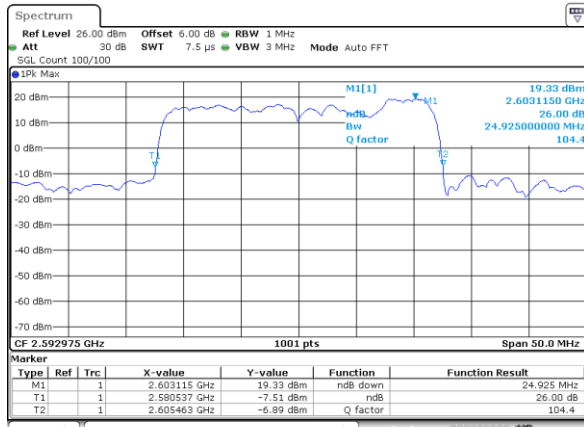
Middle Channel / 20MHz+10MHz / 16QAM



Date: 8,DEC,2022 18:48:32

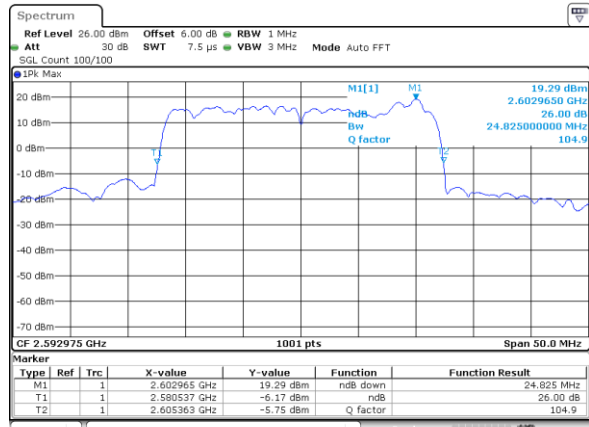


Middle Channel / 20MHz+5MHz / QPSK



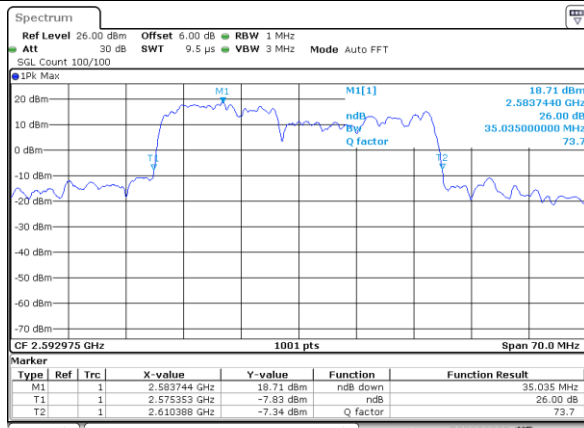
Date: 8,DEC,2022 18:36:45

Middle Channel / 20MHz+5MHz / 16QAM



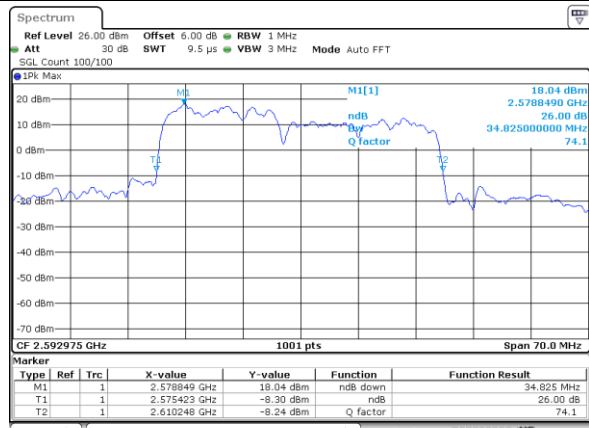
Date: 8,DEC,2022 18:37:12

Middle Channel / 15MHz+20MHz / QPSK



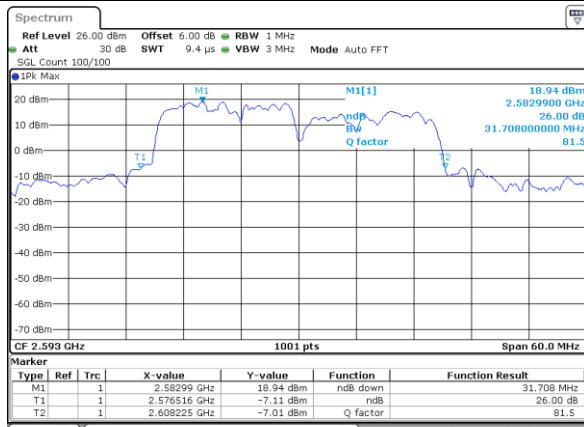
Date: 8,DEC,2022 18:52:16

Middle Channel / 15MHz+20MHz / 16QAM



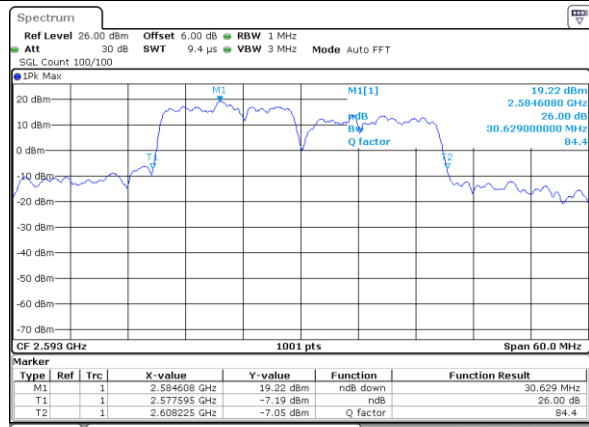
Date: 8,DEC,2022 18:53:10

Middle Channel / 15MHz+15MHz / QPSK



Date: 8,DEC,2022 18:50:20

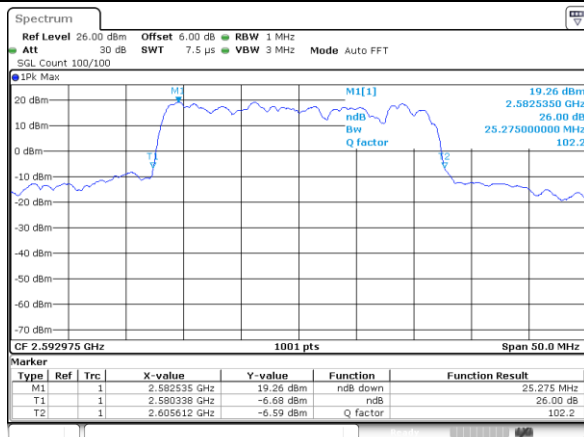
Middle Channel / 15MHz+15MHz / 16QAM



Date: 8,DEC,2022 18:50:47

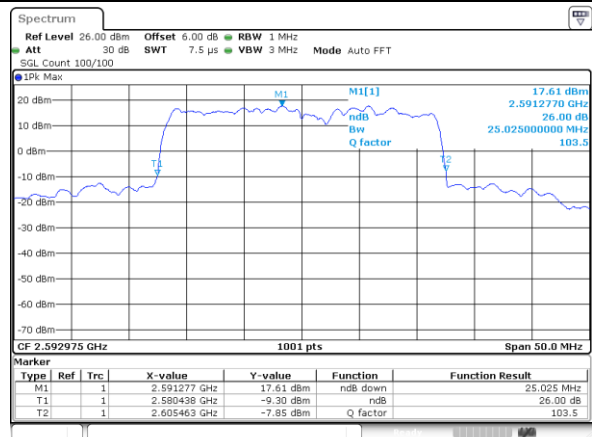


Middle Channel /15MHz+10MHz / QPSK



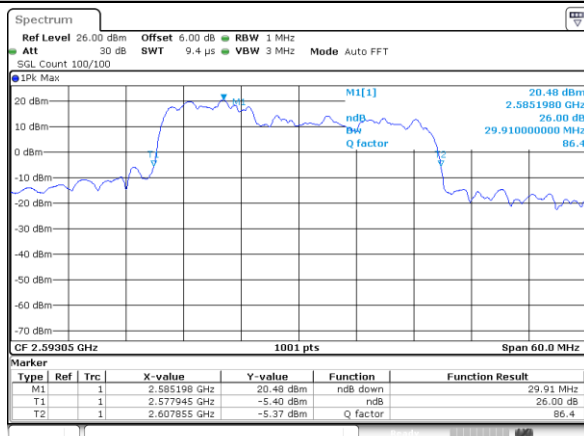
Date: 8,DEC,2022 18:43:36

Middle Channel / 15MHz+10MHz / 16QAM



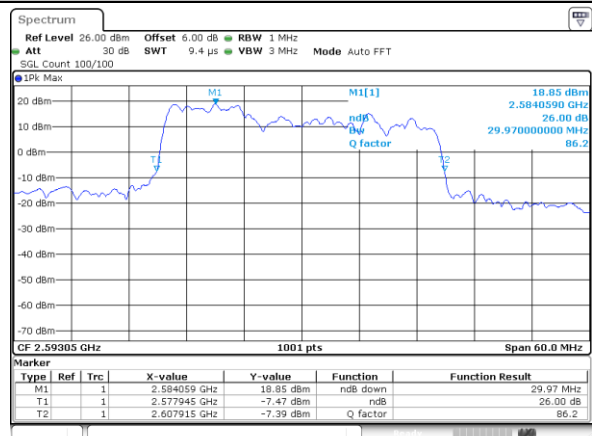
Date: 8,DEC,2022 18:44:04

Middle Channel / 10MHz+20MHz / QPSK



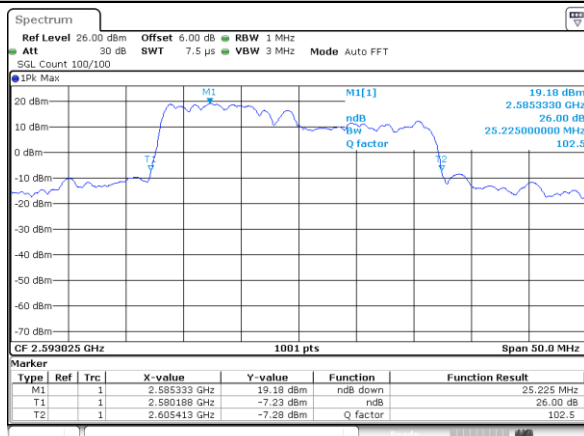
Date: 8,DEC,2022 18:45:12

Middle Channel / 10MHz+20MHz / 16QAM



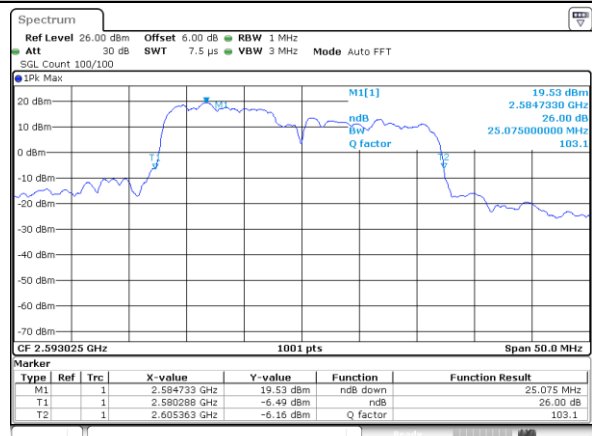
Date: 8,DEC,2022 18:46:19

Middle Channel / 10MHz+15MHz / QPSK



Date: 8,DEC,2022 18:41:16

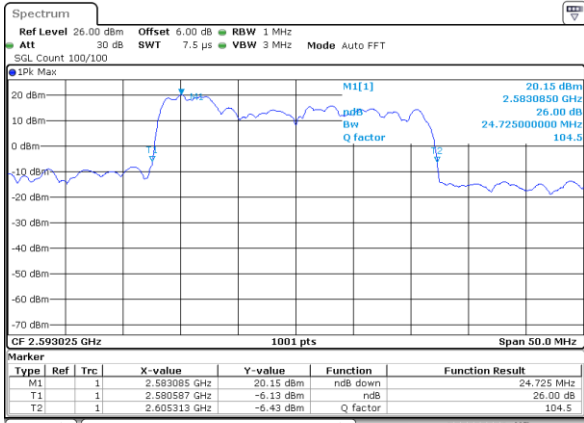
Middle Channel / 10MHz+15MHz / 16QAM



Date: 8,DEC,2022 18:41:44

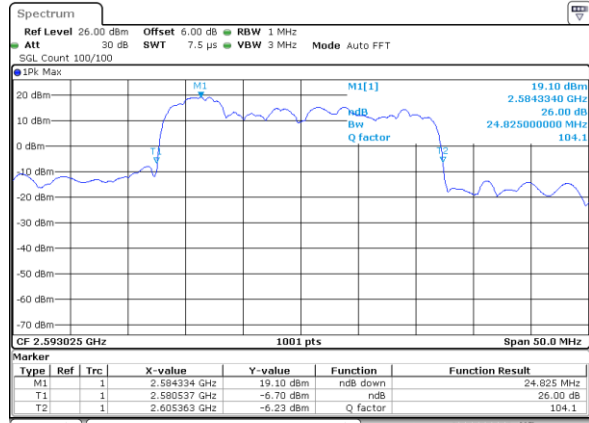


Middle Channel /5MHz+20MHz / QPSK



Date: 8.DEC.2022 18:34:34

Middle Channel / 5MHz+20MHz / 16QAM



Date: 8.DEC.2022 18:35:01

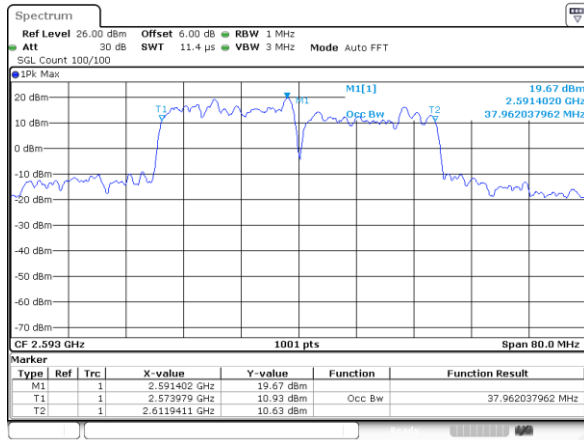
**Occupied Bandwidth**

Mode	LTE Band 41-CA : 99%OBW(MHz)	
BW	20MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	37.96	37.88
BW	20MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	32.87	33.08
BW	20MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	28.23	28.05
BW	20MHz+5MHz	
Mod.	QPSK	16QAM
Middle CH	22.38	23.43
BW	15MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	32.73	32.80
BW	15MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	28.89	28.77
BW	15MHz+10MHz	
Mod.	QPSK	16QAM
Middle CH	23.43	23.38
BW	10MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	28.11	27.99
BW	10MHz+15MHz	
Mod.	QPSK	16QAM
Middle CH	23.28	23.23
BW	5MHz+20MHz	
Mod.	QPSK	16QAM
Middle CH	23.33	23.23



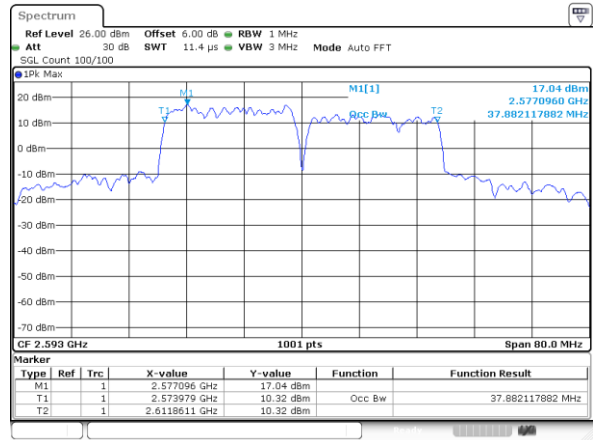
LTE Band 41

Middle Channel / 20MHz+20MHz / QPSK



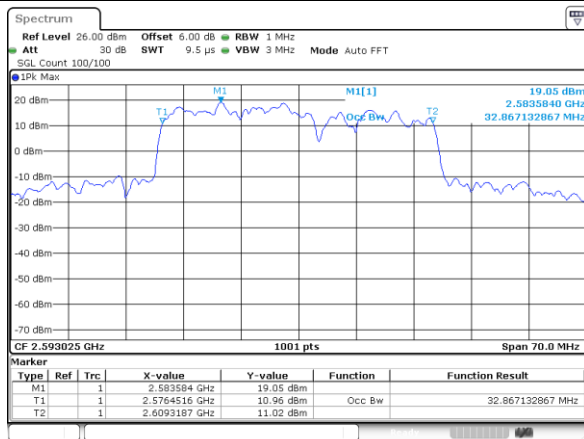
Date: 8,DEC,2022 19:09:06

Middle Channel / 20MHz+20MHz / 16QAM



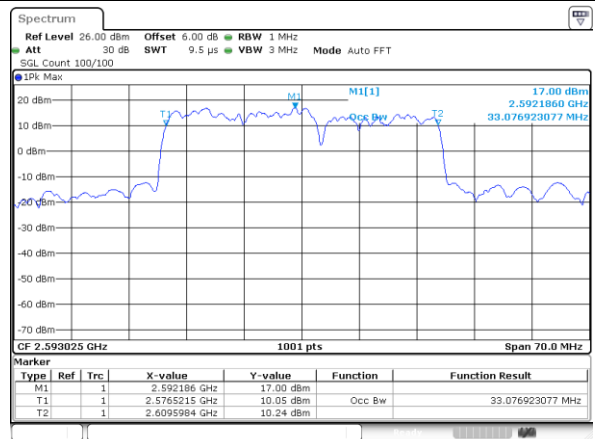
Date: 8,DEC,2022 19:09:34

Middle Channel / 20MHz+15MHz / QPSK



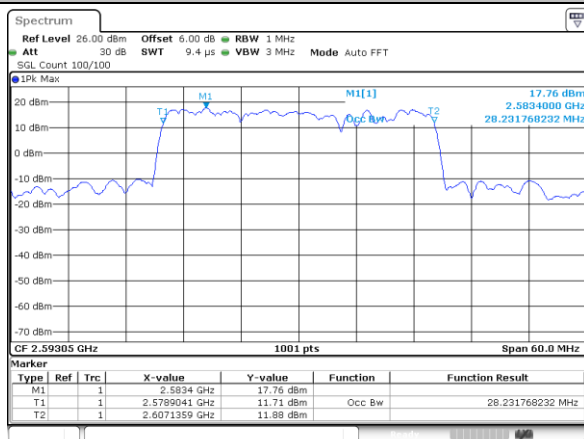
Date: 8,DEC,2022 19:07:10

Middle Channel / 20MHz+15MHz / 16QAM



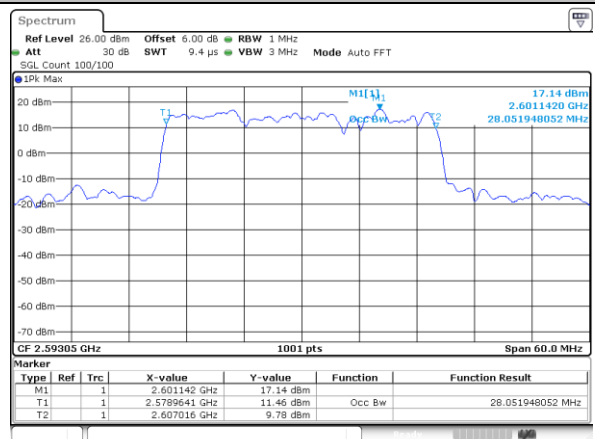
Date: 8,DEC,2022 19:07:38

Middle Channel / 20MHz+10MHz / QPSK



Date: 8,DEC,2022 18:47:37

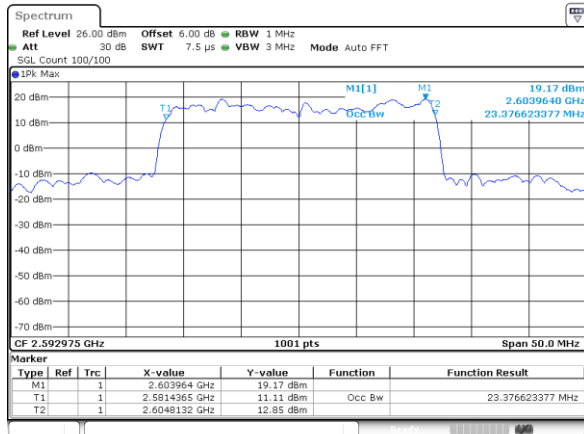
Middle Channel / 20MHz+10MHz / 16QAM



Date: 8,DEC,2022 18:48:59

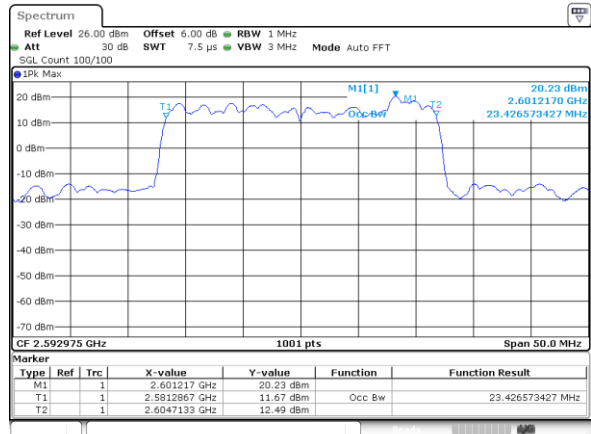


Middle Channel / 20MHz+5MHz / QPSK



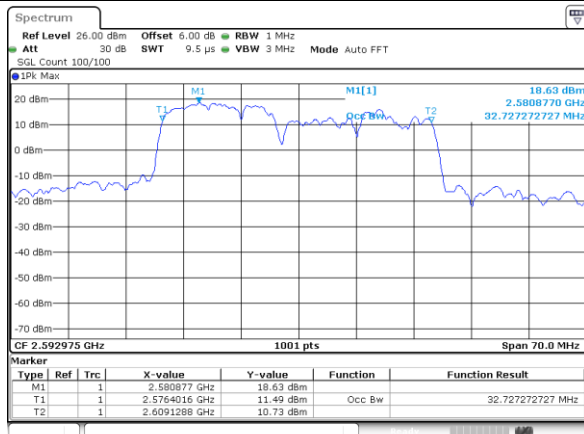
Date: 8,DEC,2022 18:36:18

Middle Channel / 20MHz+5MHz / 16QAM



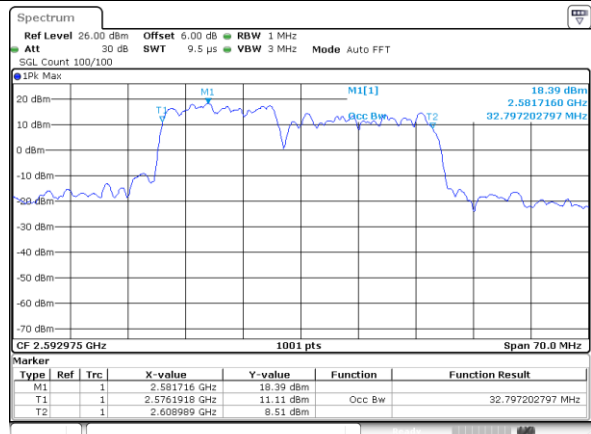
Date: 8,DEC,2022 18:37:39

Middle Channel / 15MHz+20MHz / QPSK



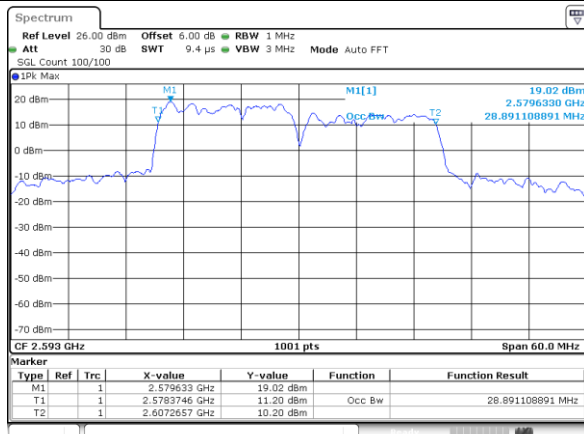
Date: 8,DEC,2022 18:51:48

Middle Channel /15MHz+20MHz / 16QAM



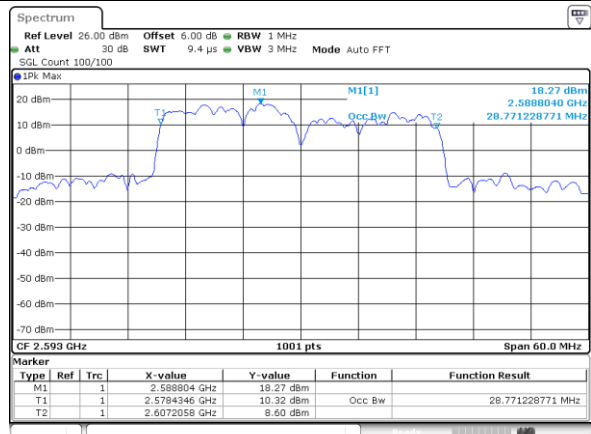
Date: 8,DEC,2022 18:52:43

Middle Channel / 15MHz+15MHz / QPSK



Date: 8,DEC,2022 18:49:52

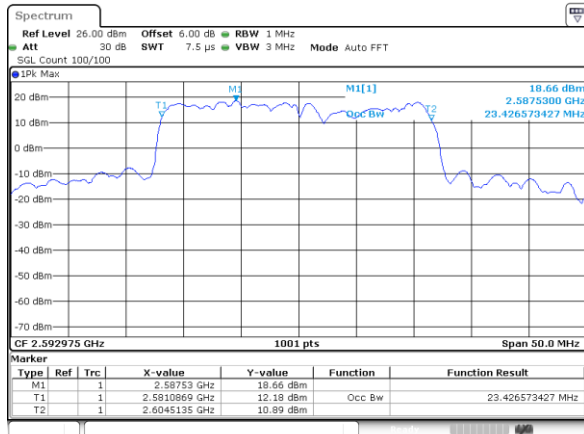
Middle Channel /15MHz+15MHz / 16QAM



Date: 8,DEC,2022 18:51:14

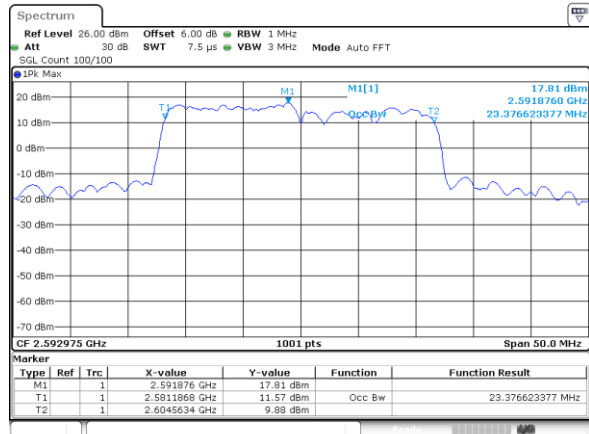


Middle Channel / 15MHz+10MHz / QPSK



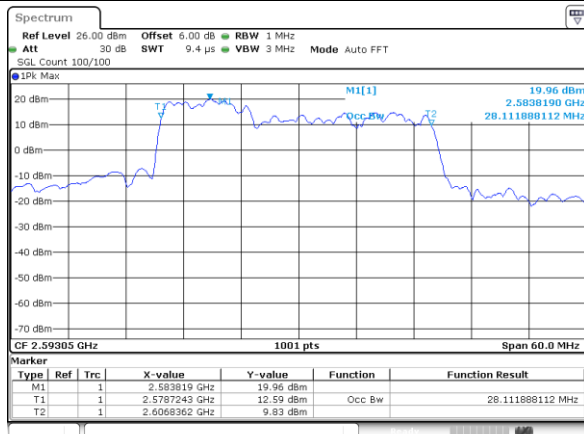
Date: 8,DEC,2022 18:43:09

Middle Channel / 15MHz+10MHz / 16QAM



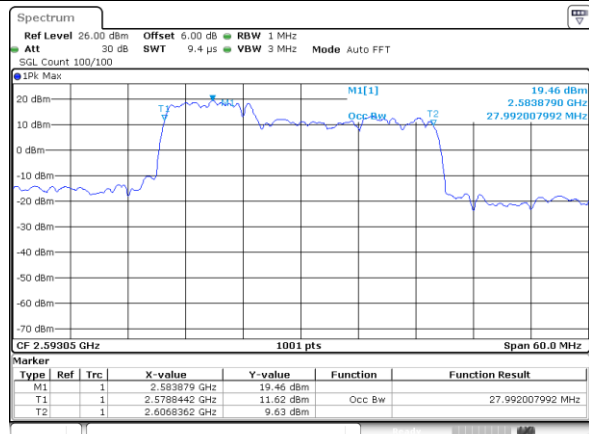
Date: 8,DEC,2022 18:44:31

Middle Channel / 10MHz+20MHz / QPSK



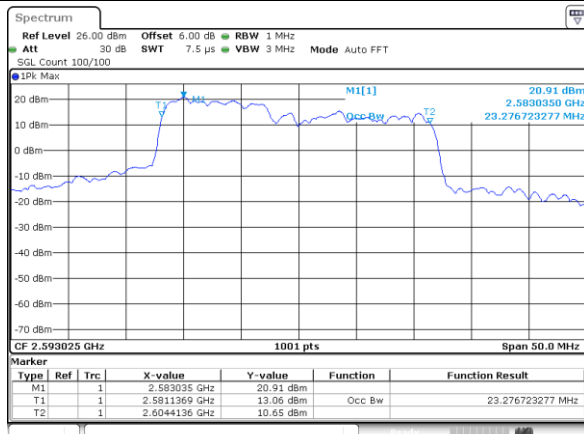
Date: 8,DEC,2022 18:45:24

Middle Channel / 10MHz+20MHz / 16QAM



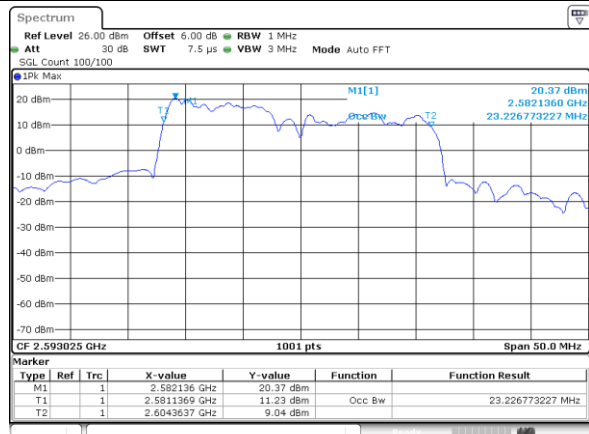
Date: 8,DEC,2022 18:46:47

Middle Channel / 10MHz+15MHz / QPSK



Date: 8,DEC,2022 18:40:49

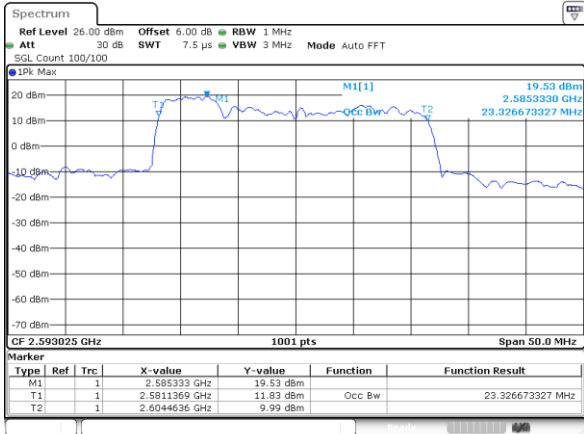
Middle Channel / 10MHz+15MHz / 16QAM



Date: 8,DEC,2022 18:42:11

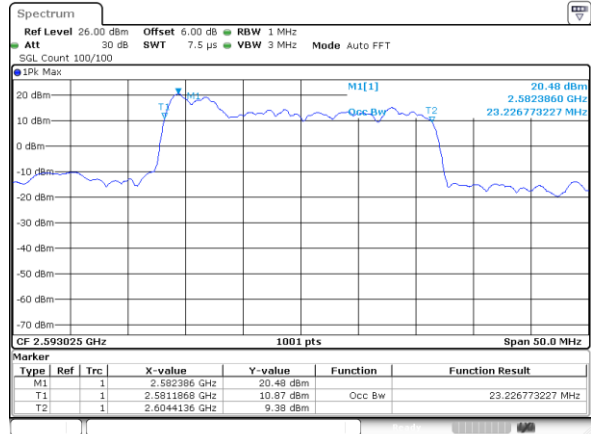


Middle Channel / 5MHz+20MHz / QPSK



Date: 8.DEC.2022 18:34:07

Middle Channel / 5MHz+20MHz / 16QAM



Date: 8.DEC.2022 18:35:29

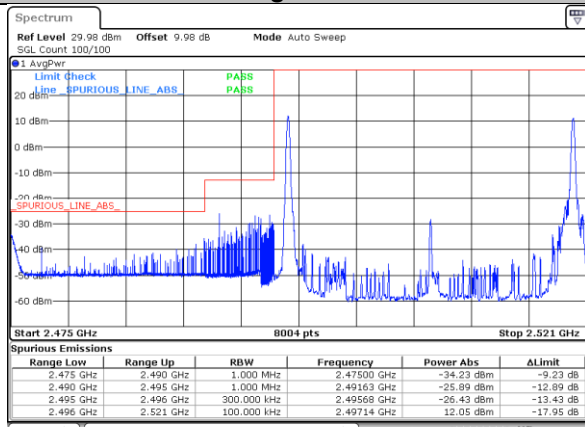


Conducted Band Edge

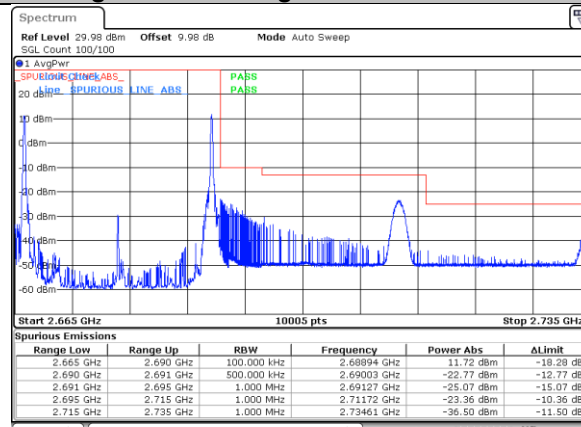
LTE Band 41C / 5MHz+20MHz

QPSK

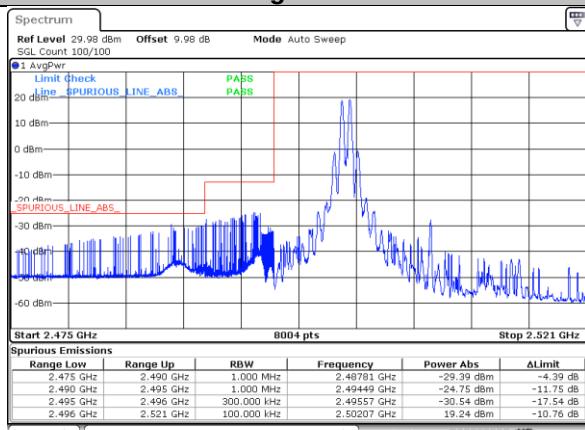
Lowest Band Edge / 1RB0 and 1RB99



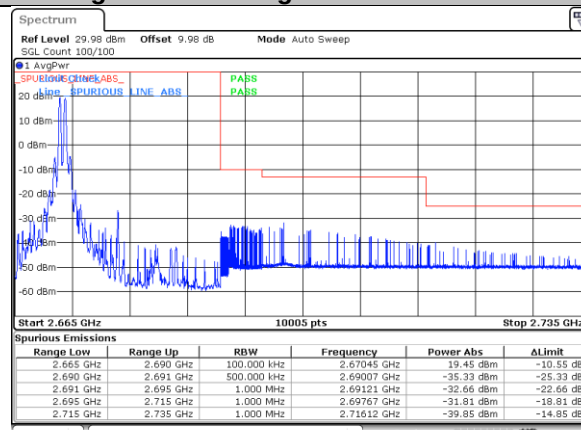
Highest Band Edge / 1RB0 and 1RB99



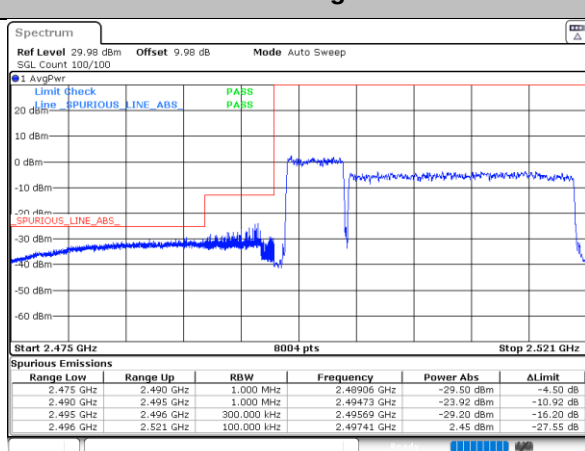
Lowest Band Edge / 1RB24 and 1RB0



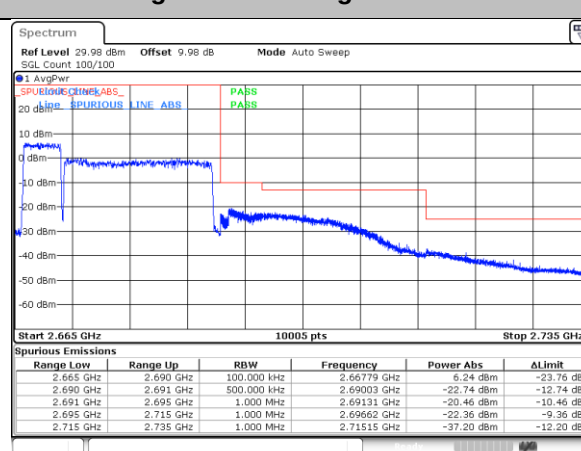
Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

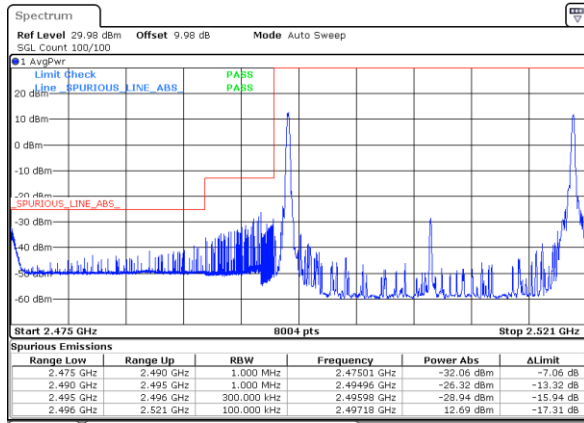




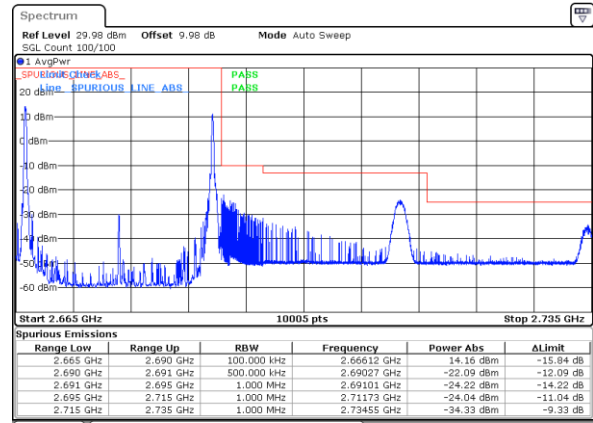
LTE Band 41C / 5MHz+20MHz

16QAM

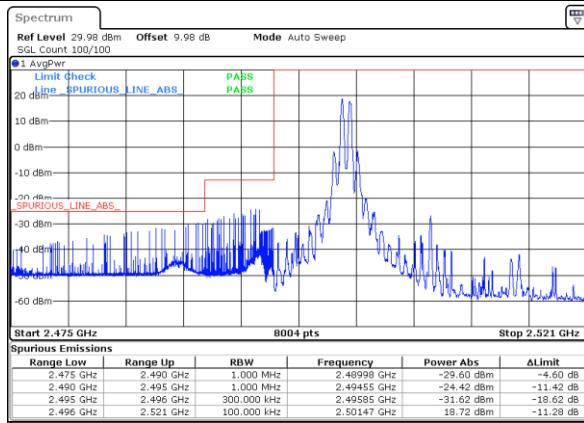
Lowest Band Edge / 1RB0 and 1RB99



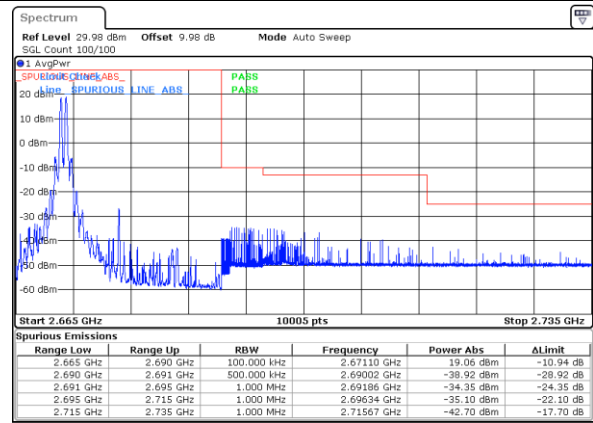
Highest Band Edge / 1RB0 and 1RB99



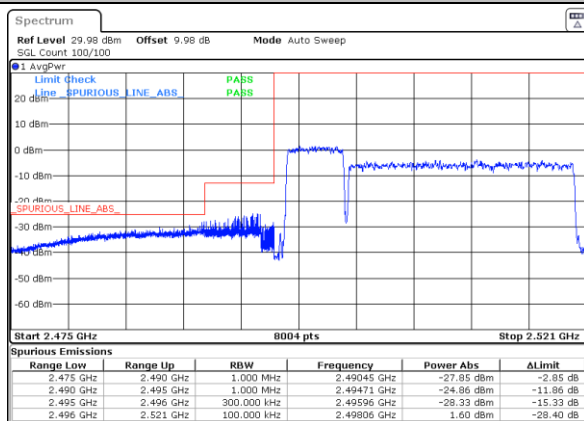
Lowest Band Edge / 1RB24 and 1RB0



Highest Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

