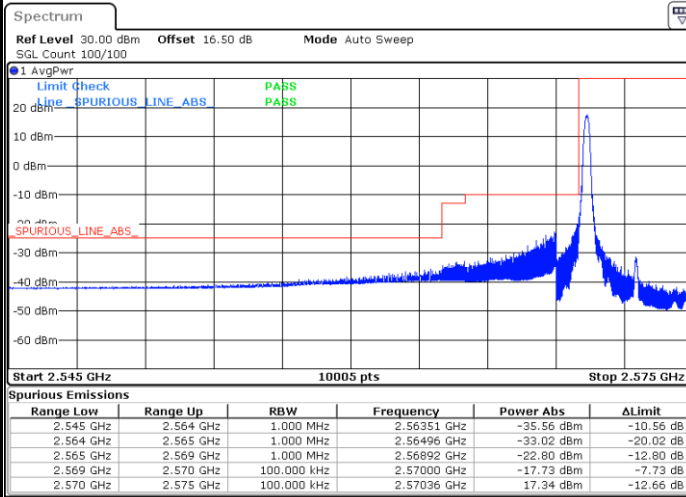


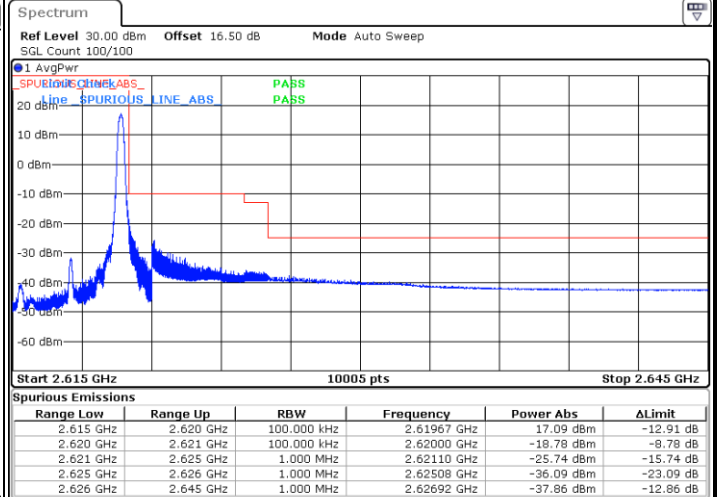


LTE Band 38 / 5MHz / 256QAM

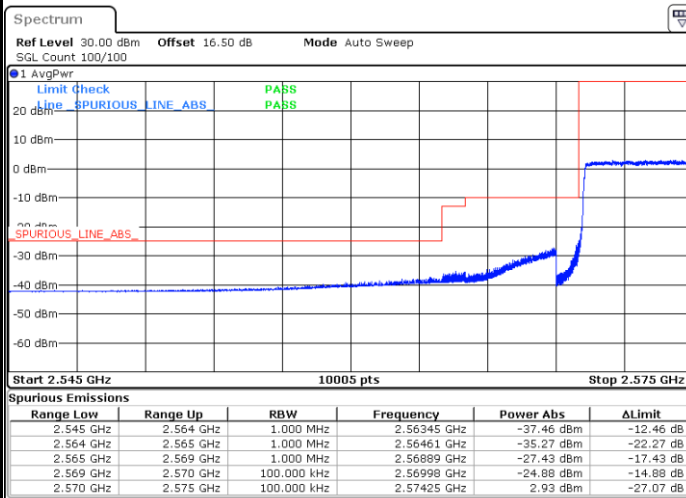
Lowest Band Edge / 1RB



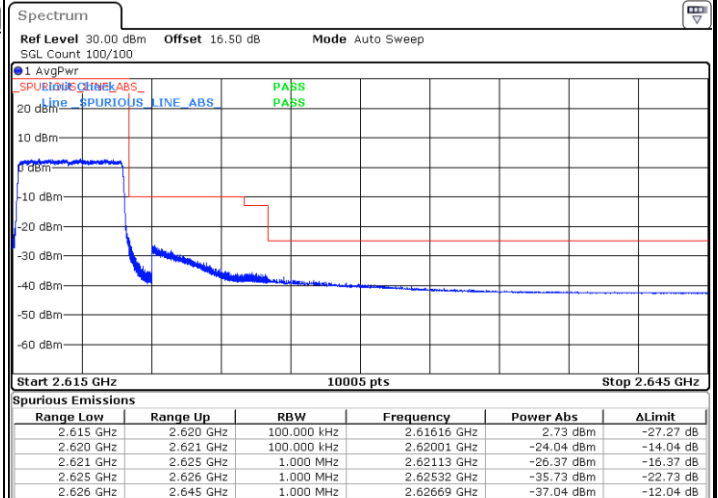
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



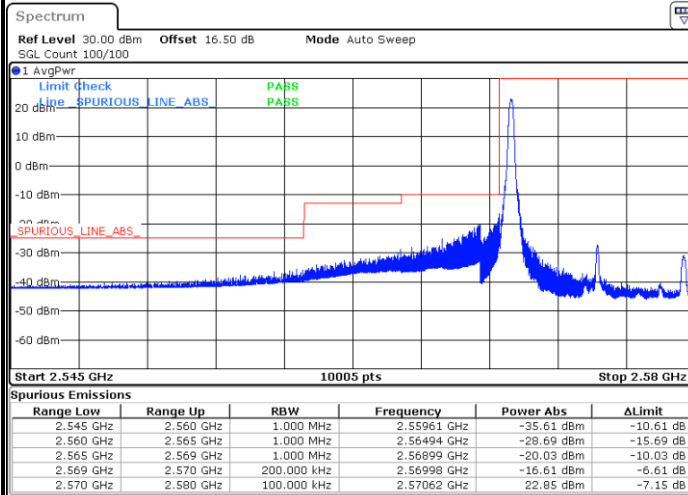
Highest Band Edge / Full RB



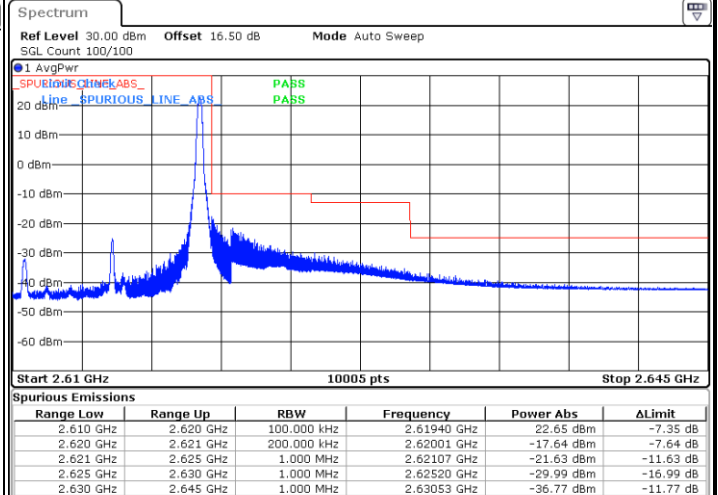


LTE Band 38 / 10MHz / QPSK

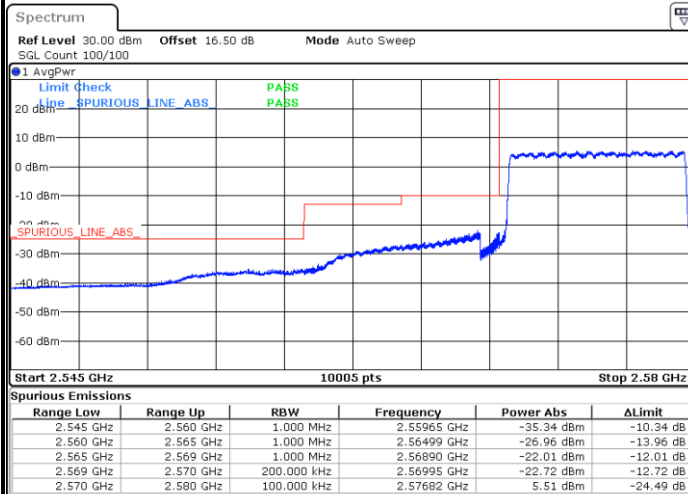
Lowest Band Edge / 1 RB



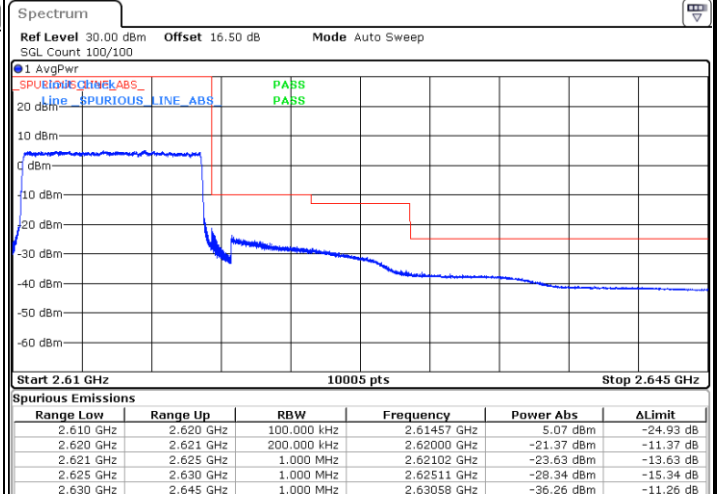
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



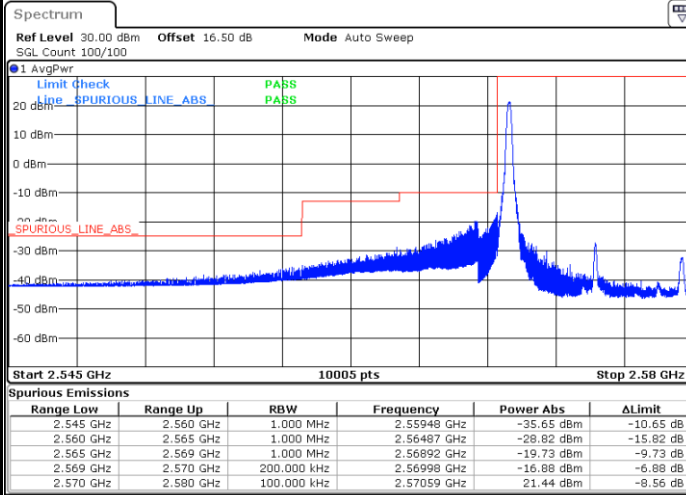
Highest Band Edge / Full RB



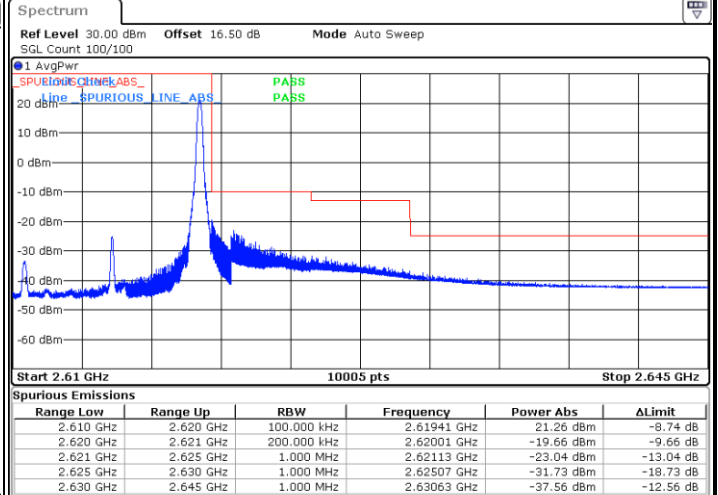


LTE Band 38 / 10MHz / 16QAM

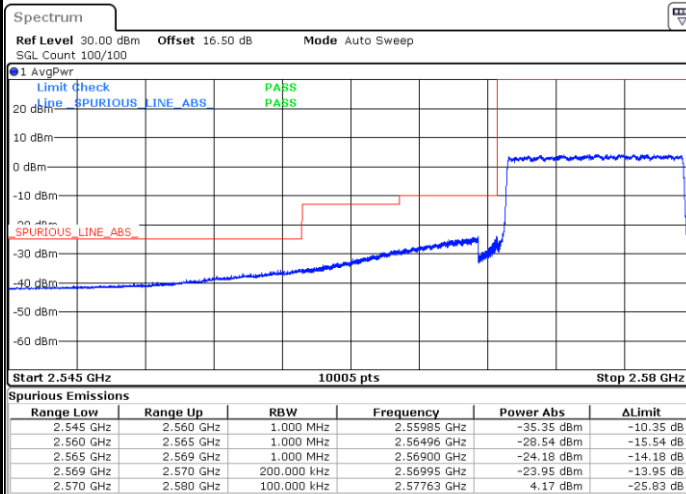
Lowest Band Edge / 1 RB



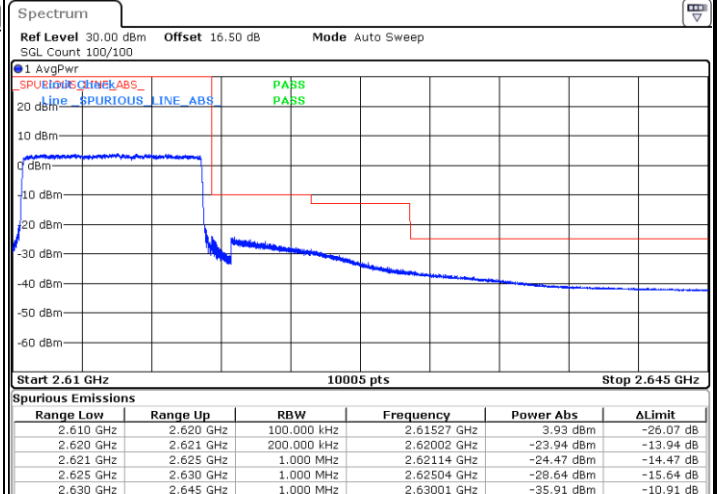
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



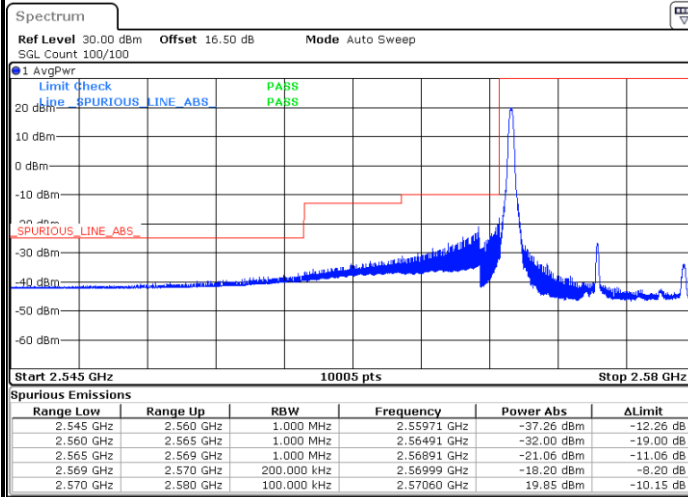
Highest Band Edge / Full RB



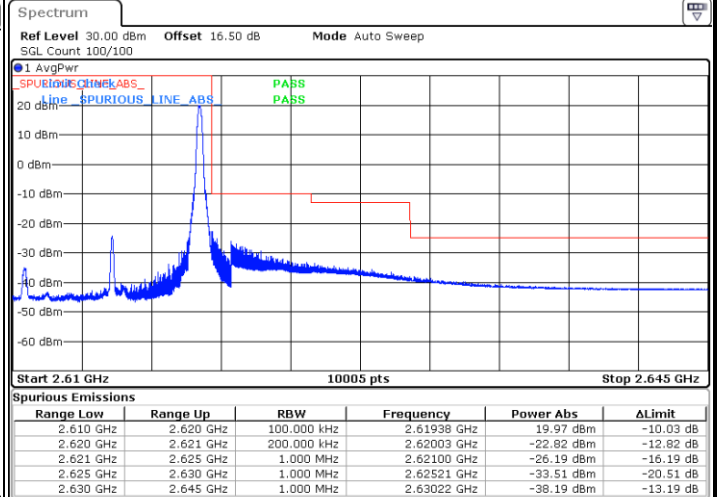


LTE Band 38 / 10MHz / 64QAM

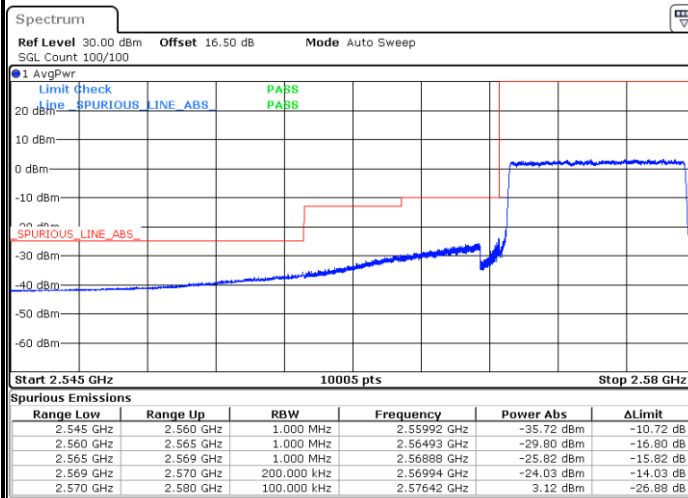
Lowest Band Edge / 1 RB



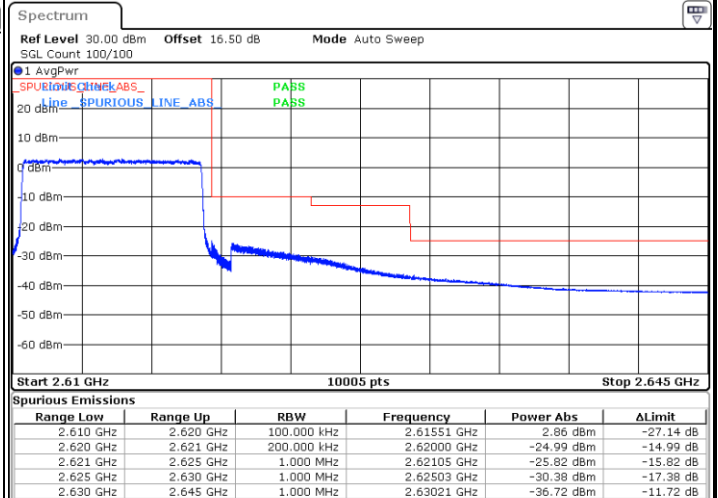
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



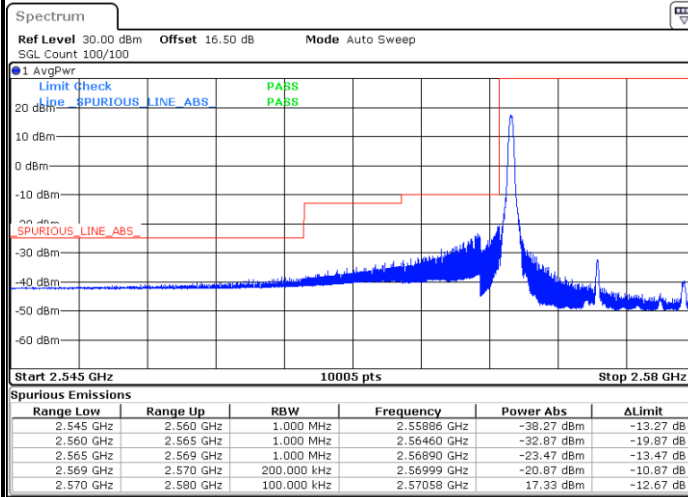
Highest Band Edge / Full RB



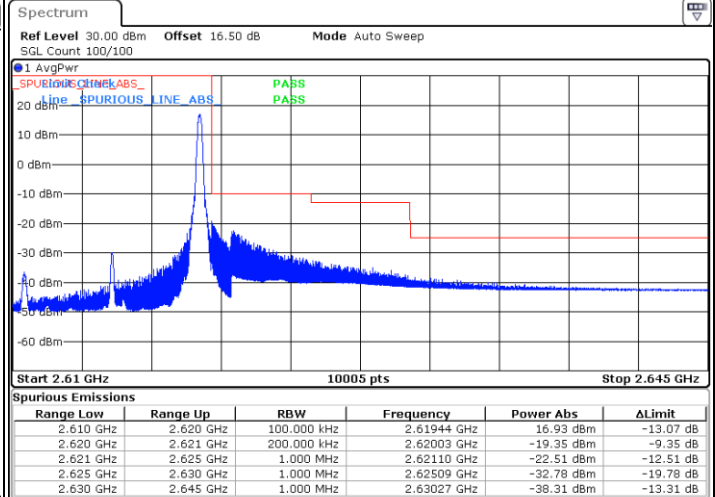


LTE Band 38 / 10MHz / 256QAM

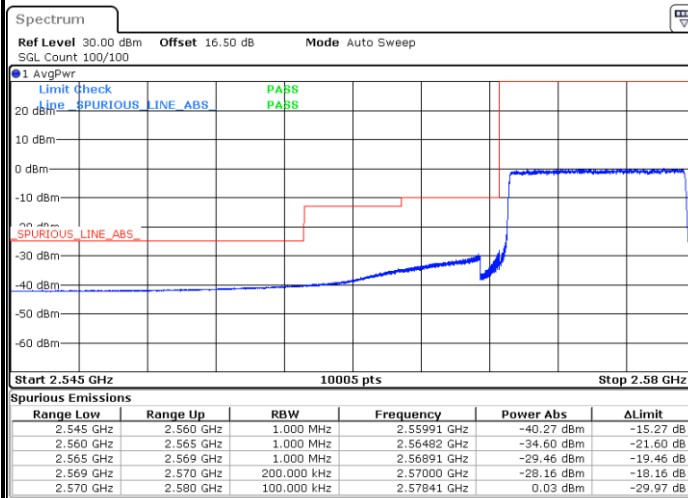
Lowest Band Edge / 1 RB



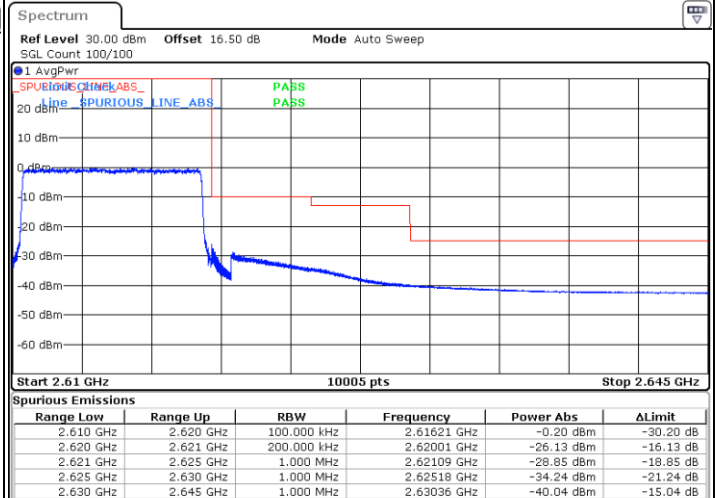
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



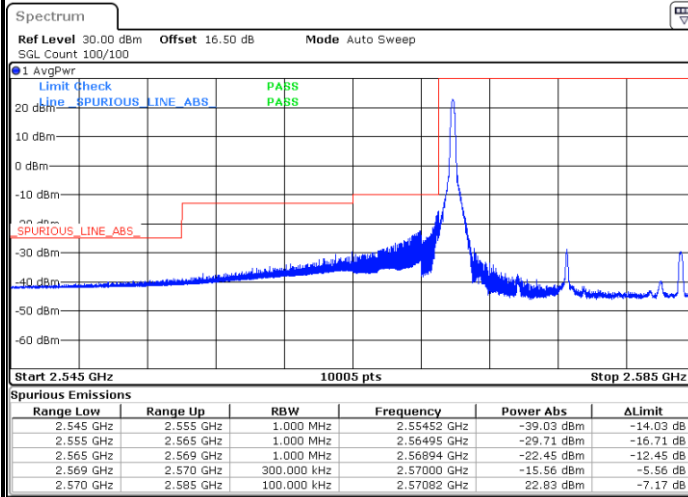
Highest Band Edge / Full RB



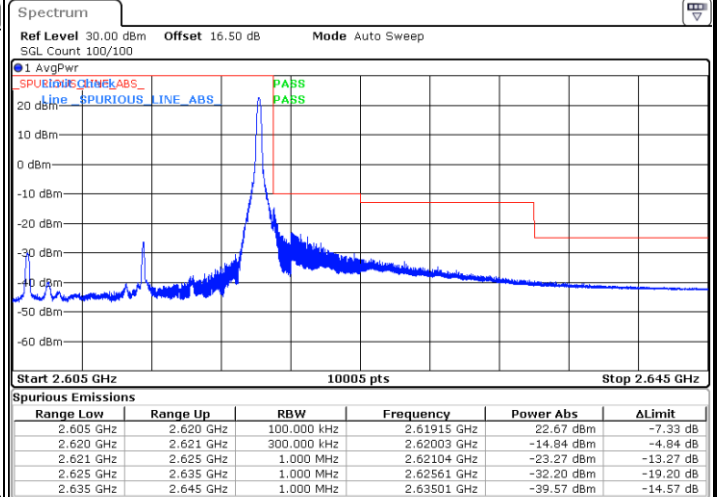


LTE Band 38 / 15MHz / QPSK

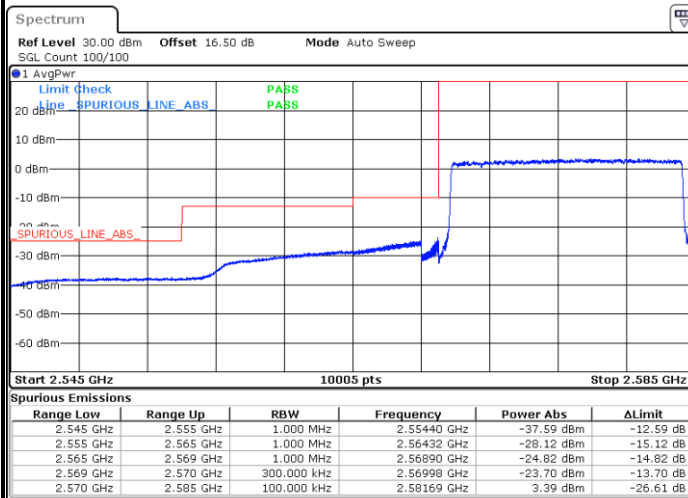
Lowest Band Edge / 1 RB



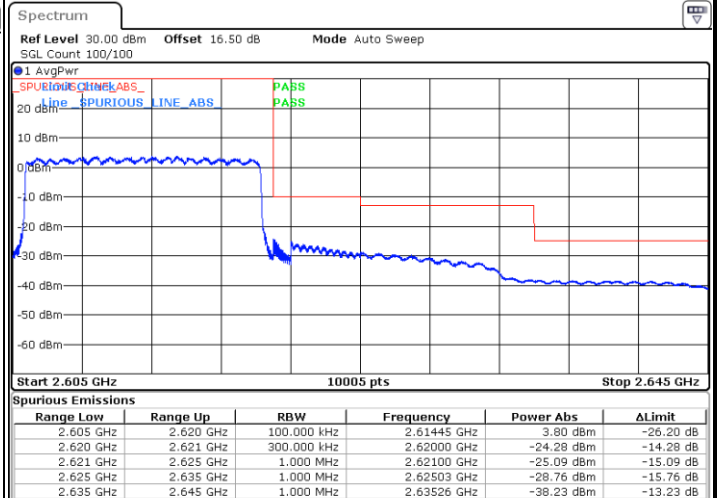
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



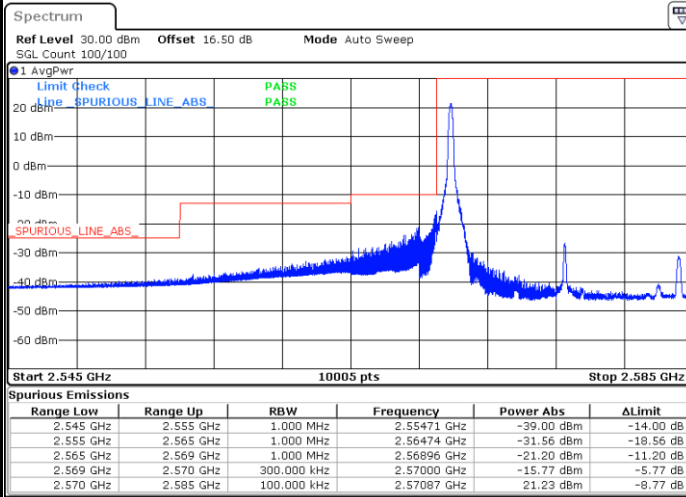
Highest Band Edge / Full RB



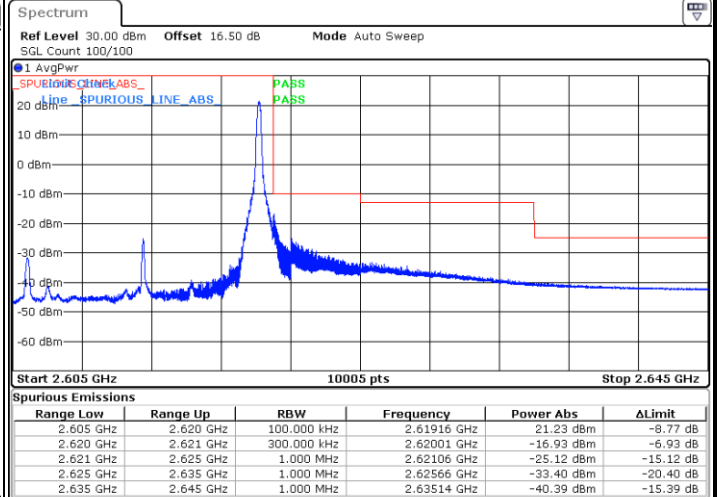


LTE Band 38 / 15MHz / 16QAM

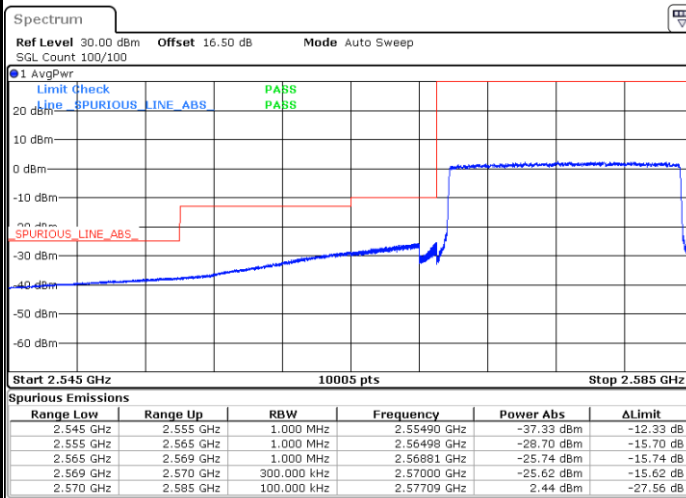
Lowest Band Edge / 1 RB



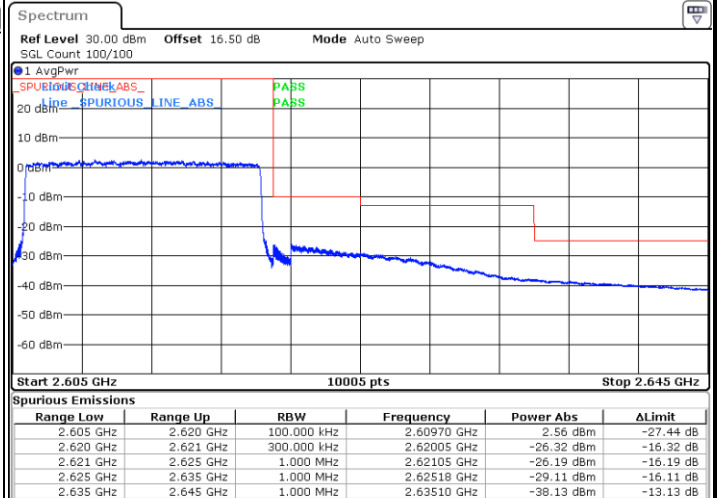
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



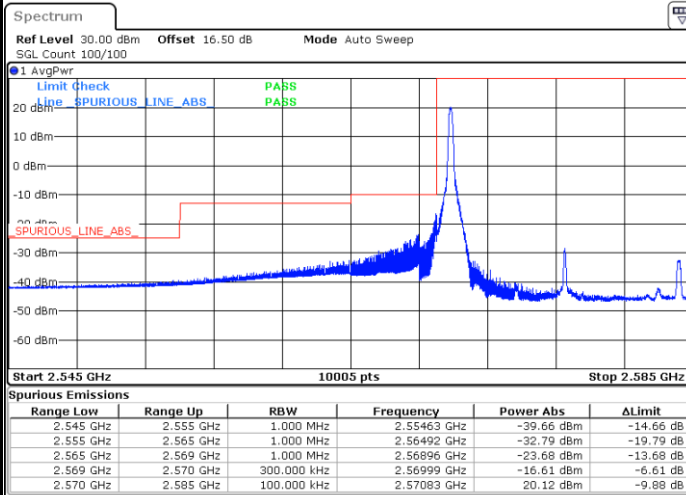
Highest Band Edge / Full RB



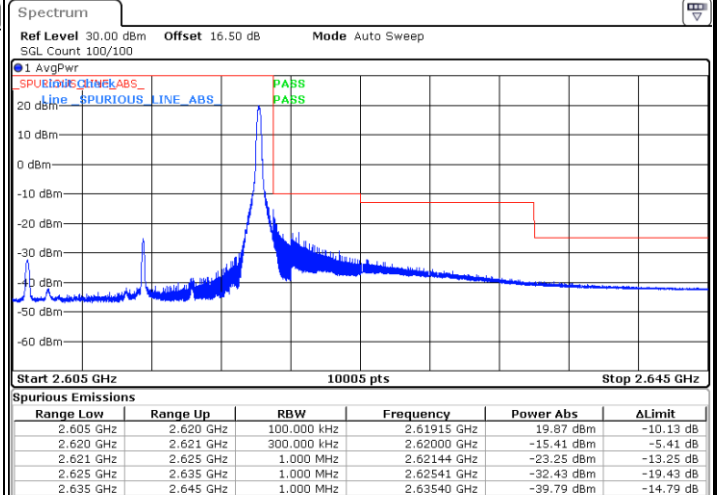


LTE Band 38 / 15MHz / 64QAM

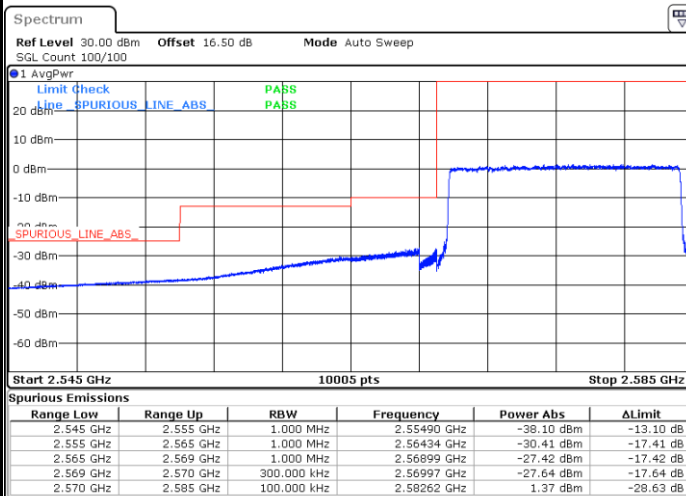
Lowest Band Edge / 1 RB



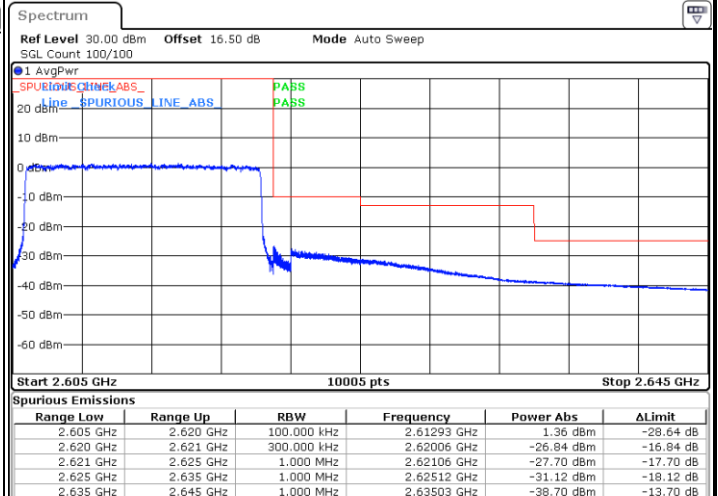
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



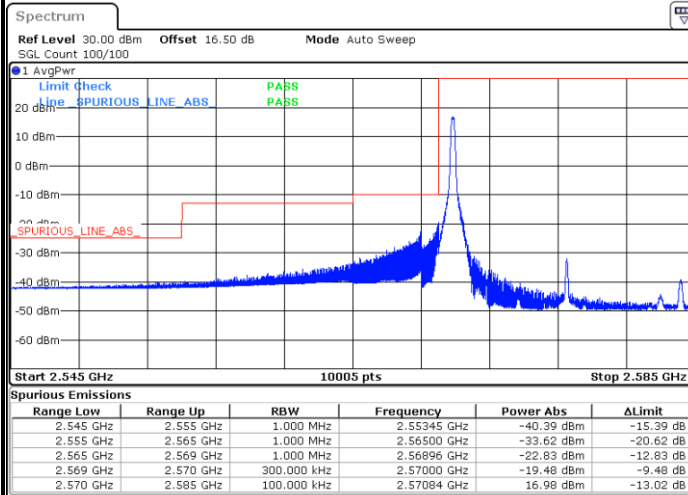
Highest Band Edge / Full RB





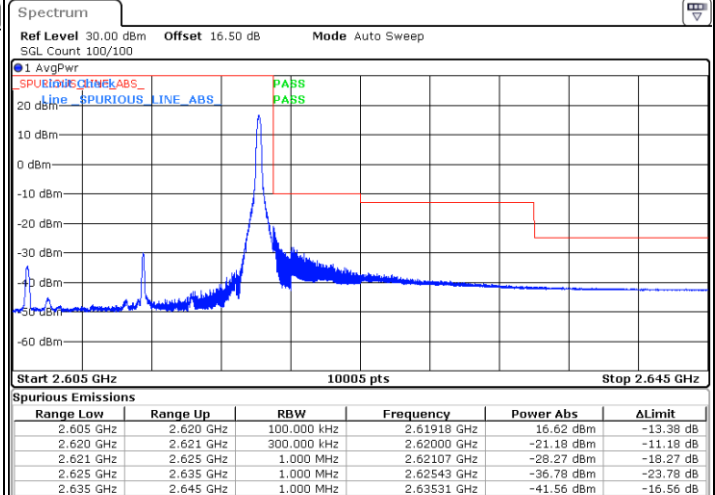
LTE Band 38 / 15MHz / 256QAM

Lowest Band Edge / 1 RB



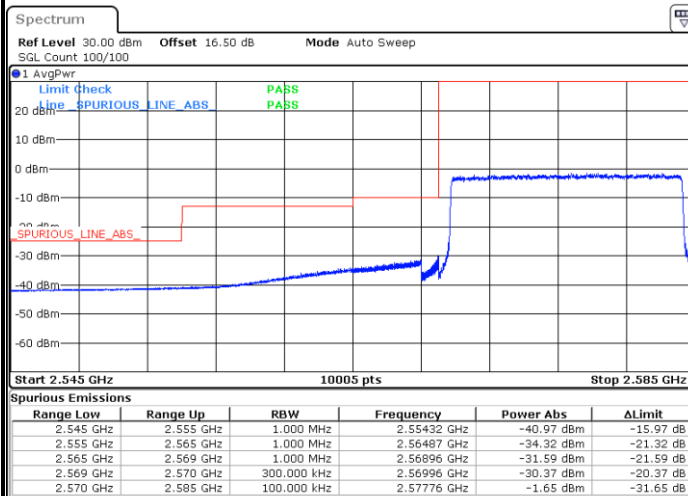
Date: 24.APR.2022 06:12:29

Highest Band Edge / 1 RB



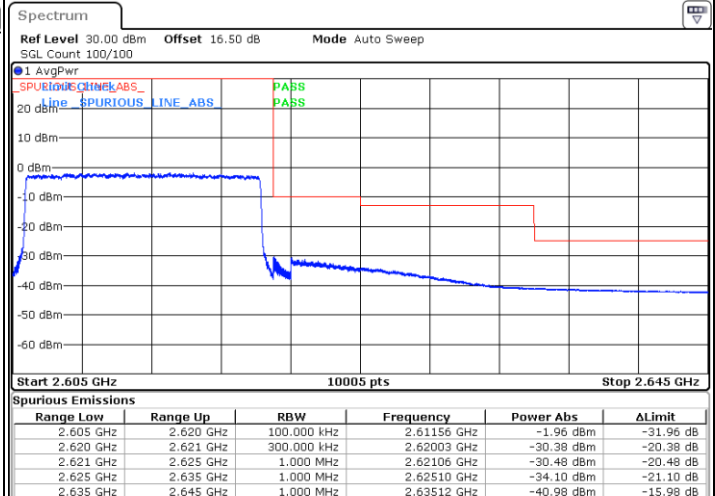
Date: 24.APR.2022 06:15:59

Lowest Band Edge / Full RB



Date: 24.APR.2022 06:13:38

Highest Band Edge / Full RB

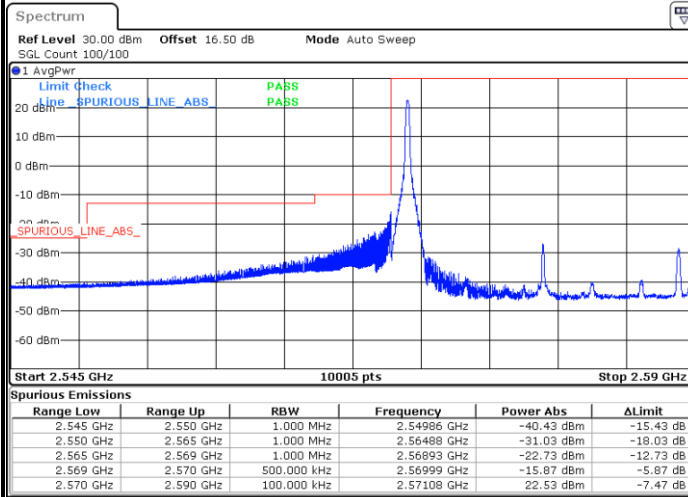


Date: 24.APR.2022 06:14:47

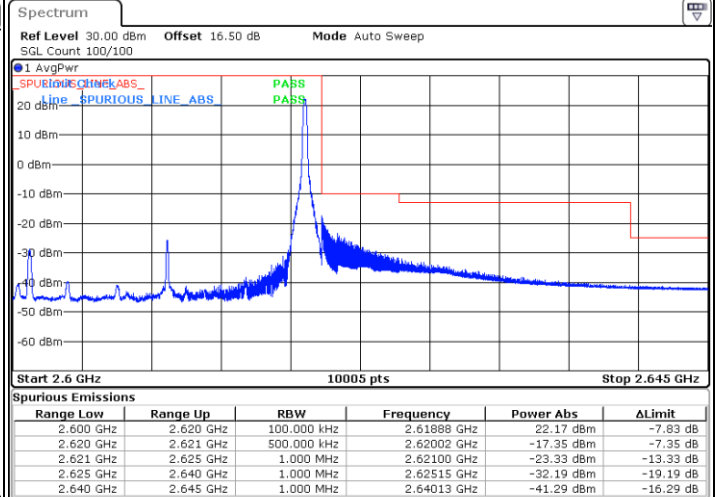


LTE Band 38 / 20MHz / QPSK

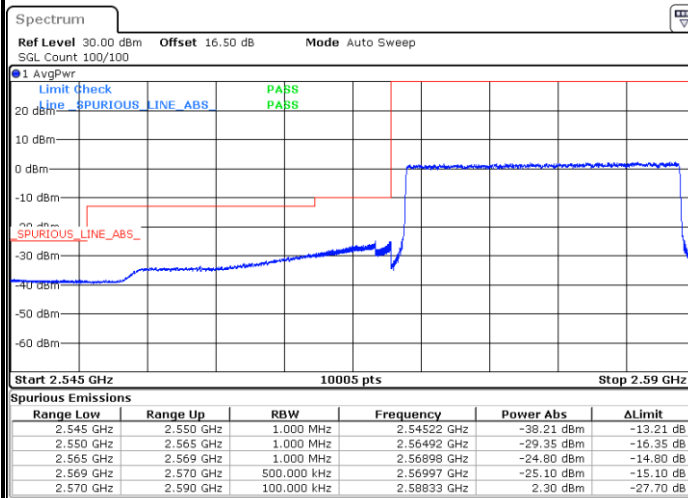
Lowest Band Edge / 1 RB



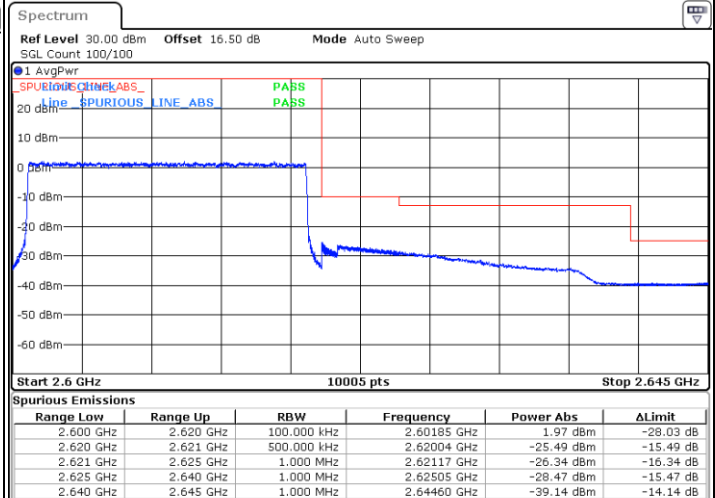
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



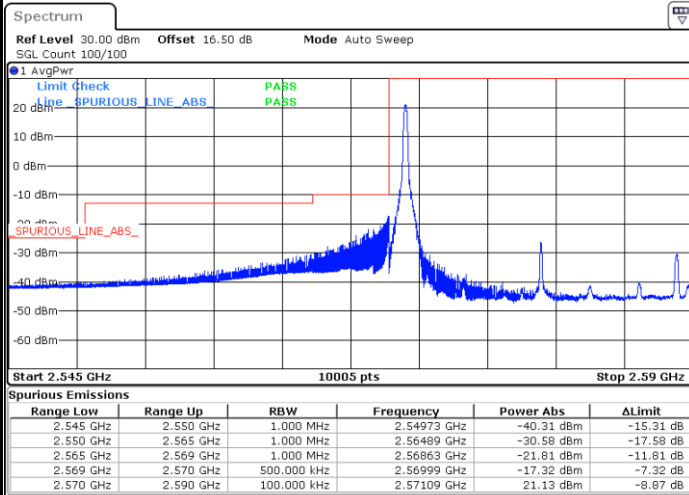
Highest Band Edge / Full RB



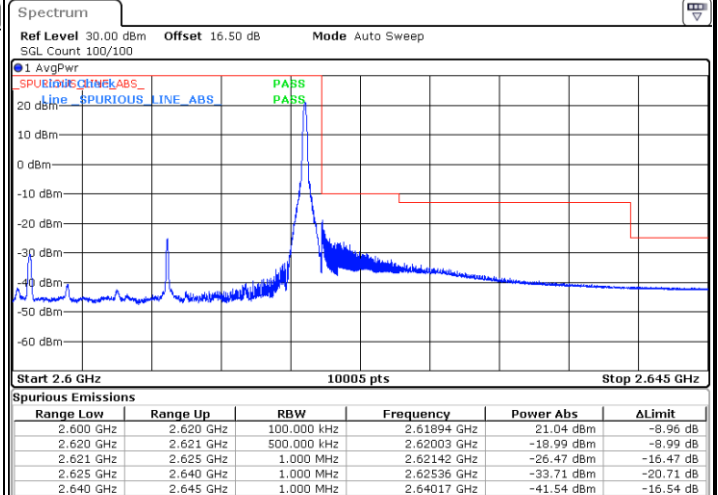


LTE Band 38 / 20MHz / 16QAM

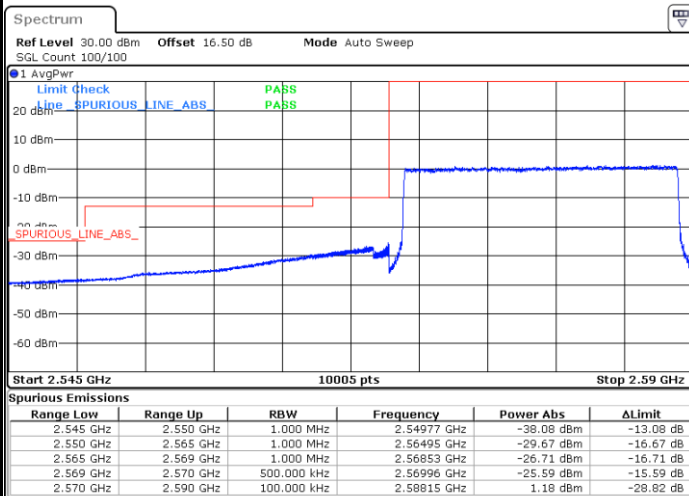
Lowest Band Edge / 1 RB



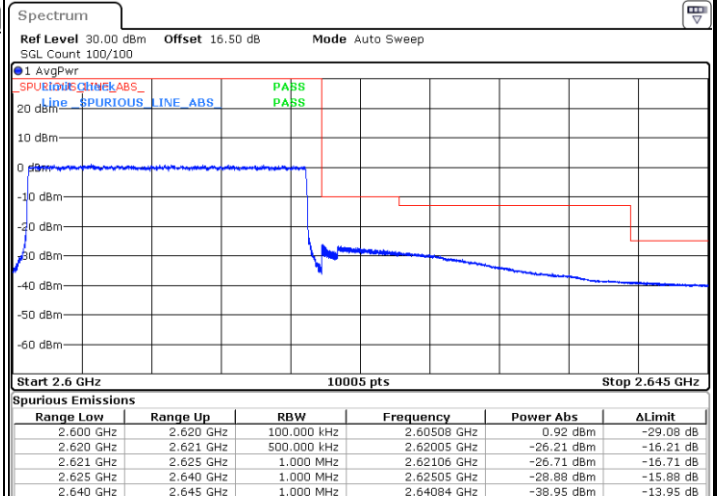
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



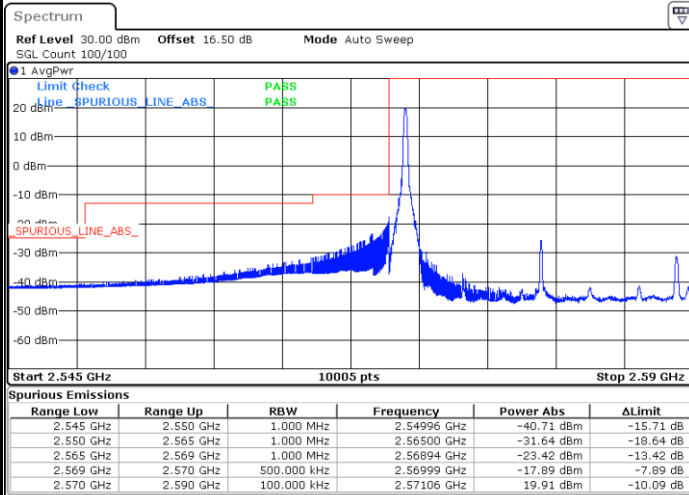
Highest Band Edge / Full RB





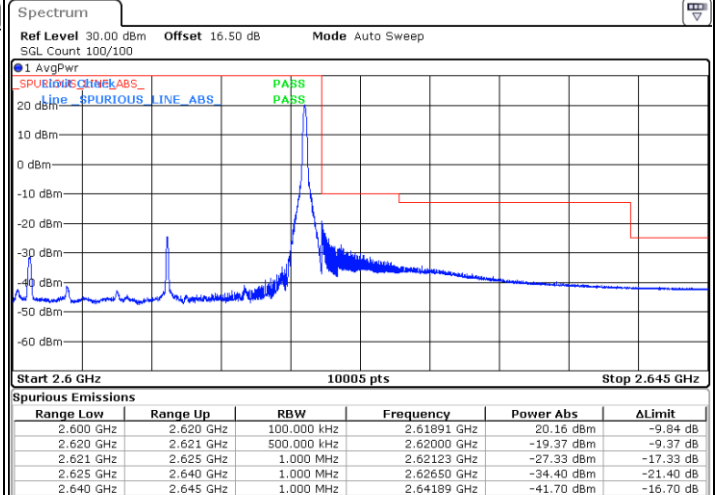
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



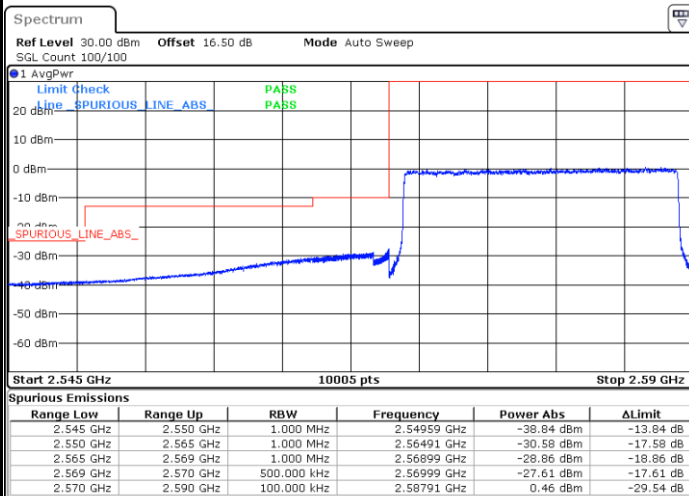
Date: 24.APR.2022 05:58:25

Highest Band Edge / 1 RB



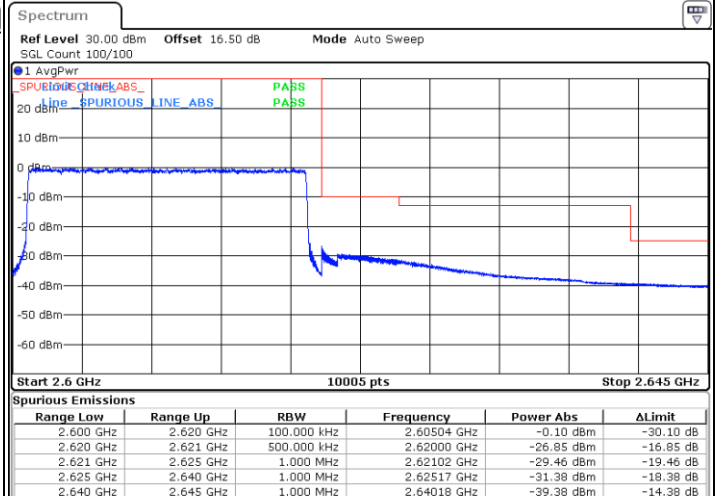
Date: 24.APR.2022 06:01:50

Lowest Band Edge / Full RB



Date: 24.APR.2022 05:59:33

Highest Band Edge / Full RB

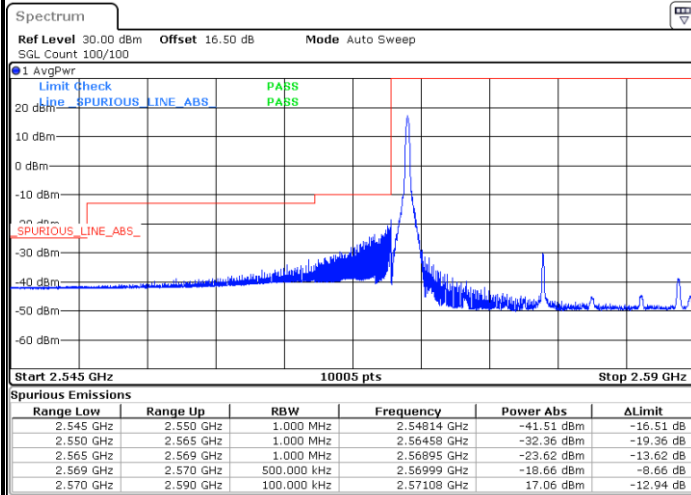


Date: 24.APR.2022 06:00:42

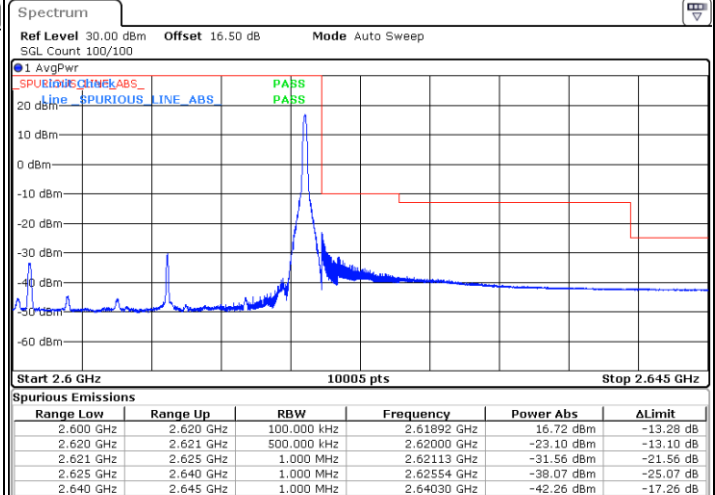


LTE Band 38 / 20MHz / 256QAM

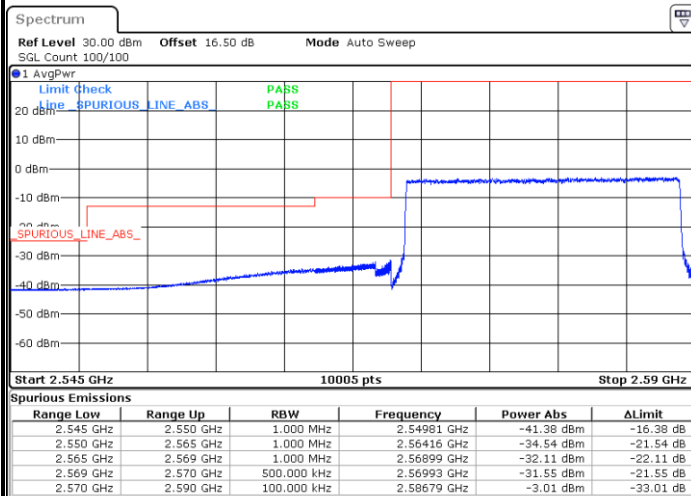
Lowest Band Edge / 1 RB



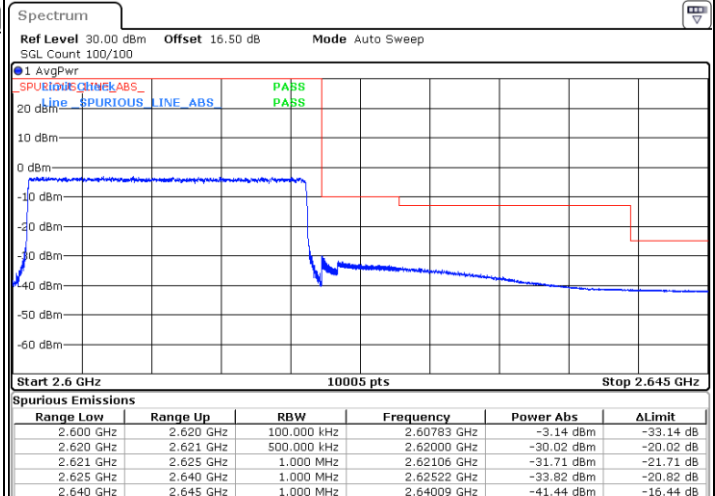
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

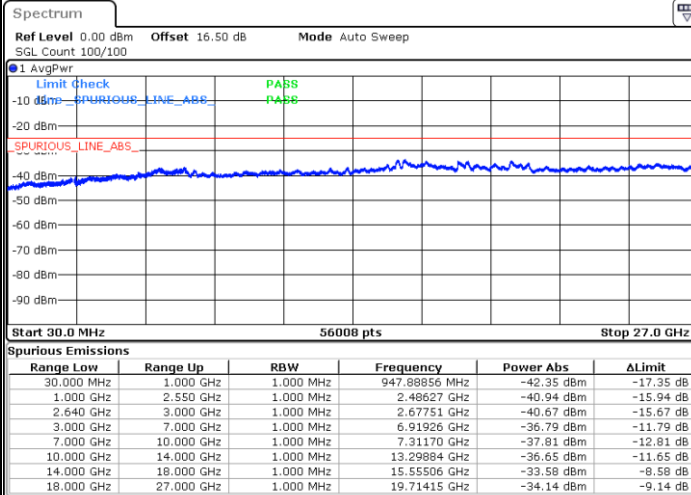




Conducted Spurious Emission

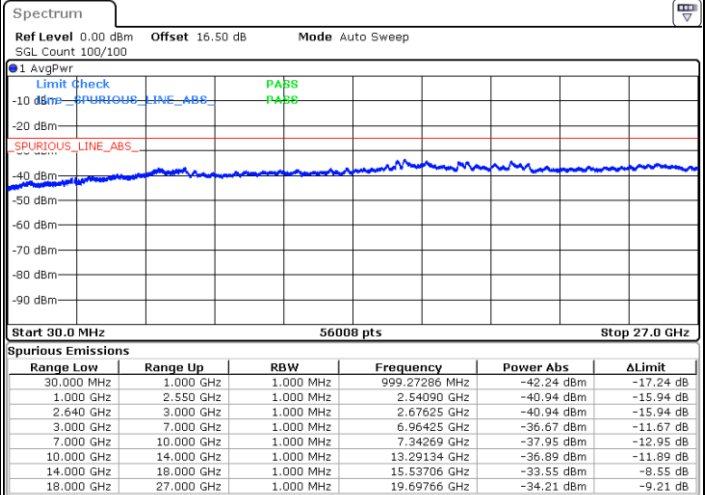
LTE Band 38 / 5MHz

Lowest Channel / QPSK



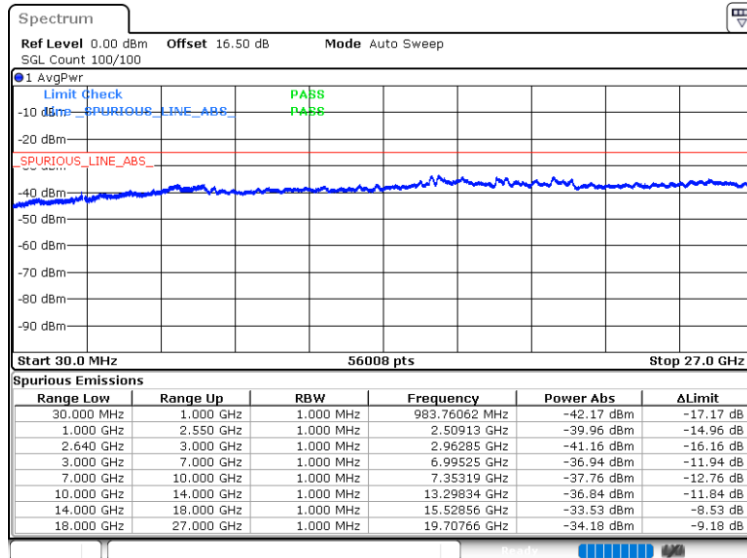
Date: 24.APR.2022 08:39:19

Middle Channel / QPSK



Date: 24.APR.2022 08:40:34

Highest Channel / QPSK

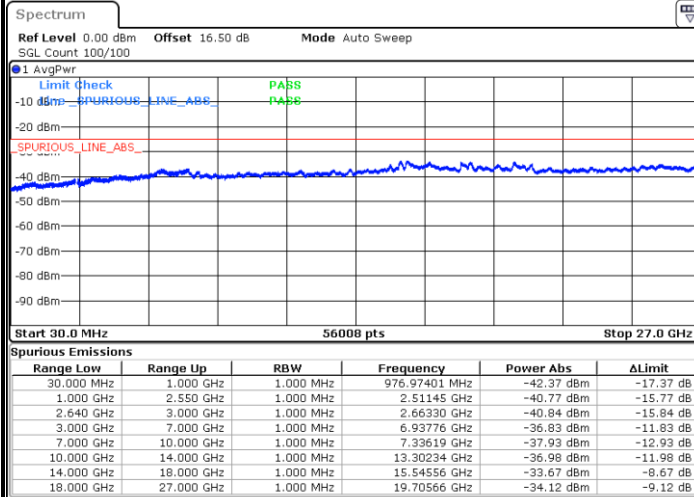


Date: 24.APR.2022 08:41:49



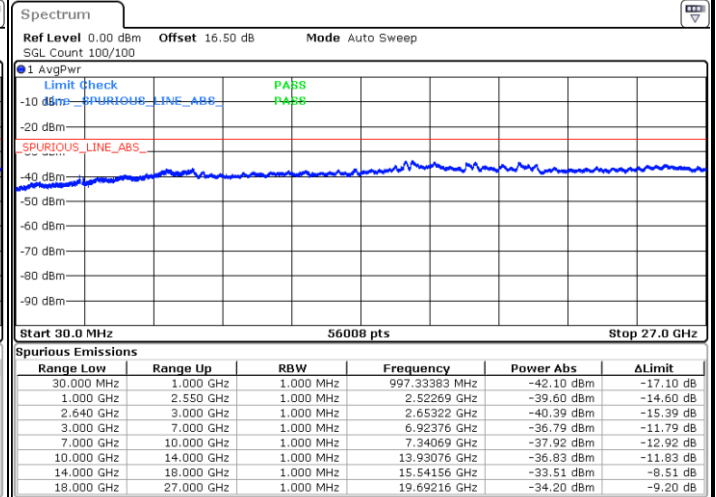
LTE Band 38 / 10MHz

Lowest Channel / QPSK



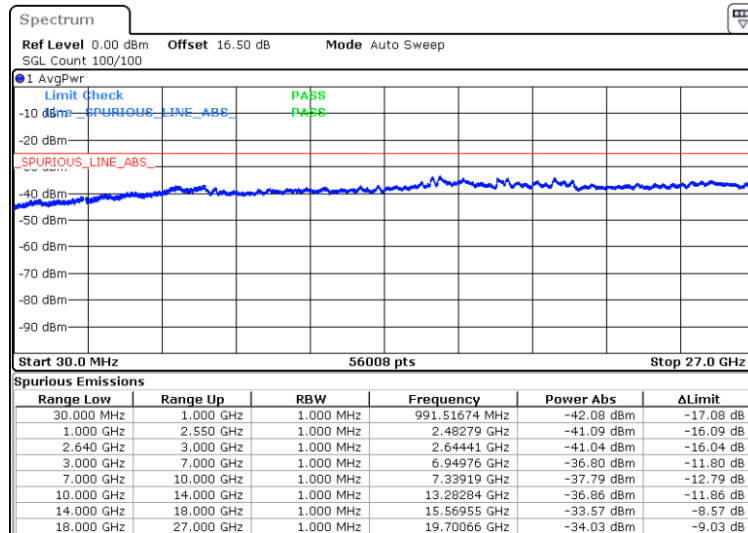
Date: 24.APR.2022 08:43:49

Middle Channel / QPSK



Date: 24.APR.2022 08:45:05

Highest Channel / QPSK

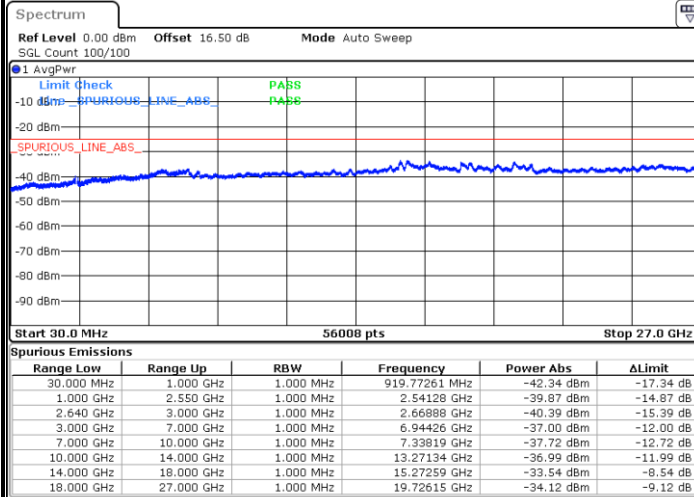


Date: 24.APR.2022 08:46:20



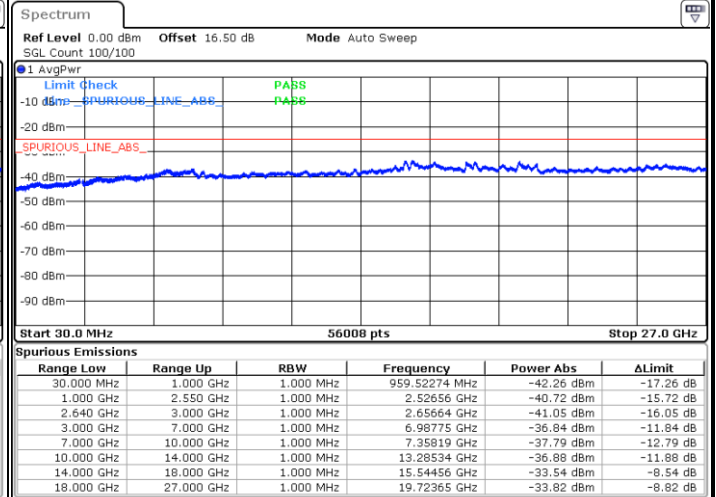
LTE Band 38 / 15MHz

Lowest Channel / QPSK



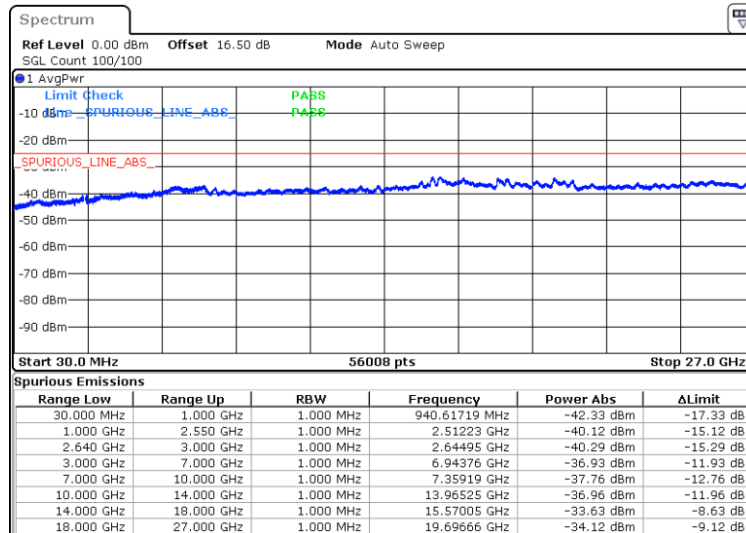
Date: 24.APR.2022 08:48:21

Middle Channel / QPSK



Date: 24.APR.2022 08:49:37

Highest Channel / QPSK

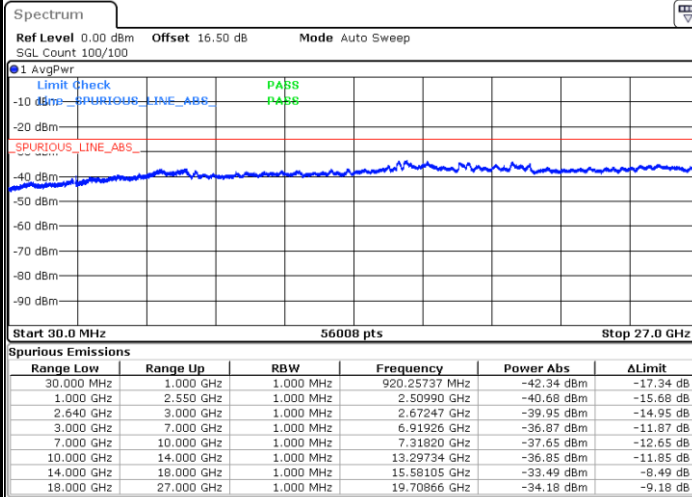


Date: 24.APR.2022 08:50:52



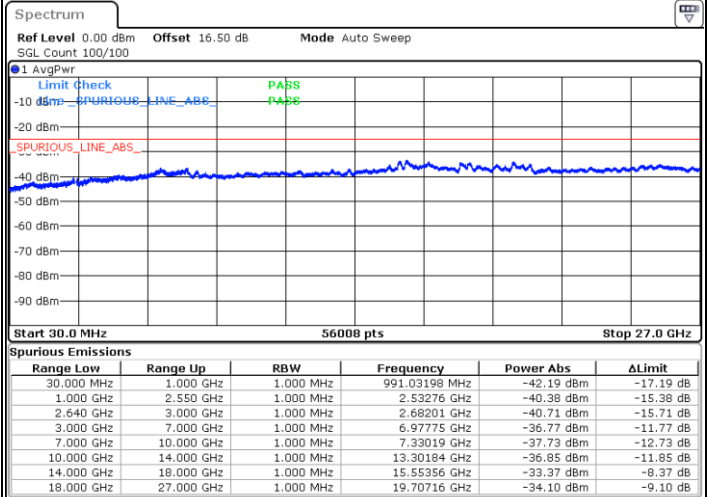
LTE Band 38 / 20MHz

Lowest Channel / QPSK



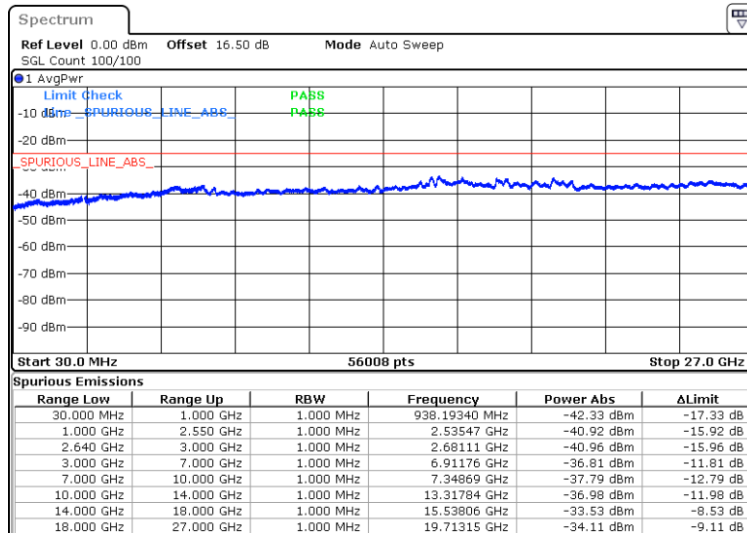
Date: 24.APR.2022 08:52:54

Middle Channel / QPSK



Date: 24.APR.2022 08:54:10

Highest Channel / QPSK



Date: 24.APR.2022 08:55:25

Frequency Stability

Test Conditions		LTE Band 38 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0018	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0060	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0015	
0	Normal Voltage	0.0052	
-10	Normal Voltage	0.0047	
-20	Normal Voltage	0.0042	
-30	Normal Voltage	0.0059	
20	Maximum Voltage	0.0014	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0043	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.30 V.
2. The frequency fundamental emissions stay within the authorized frequency block.

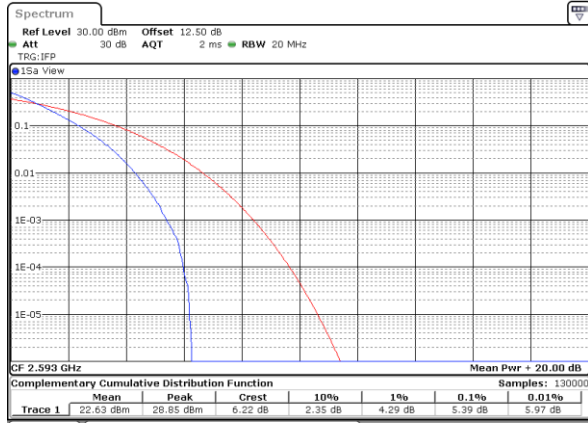
**LTE Band 41_HPUE****Peak-to-Average Ratio**

Mode	LTE Band 41 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.39	6.00	6.12	6.93	PASS



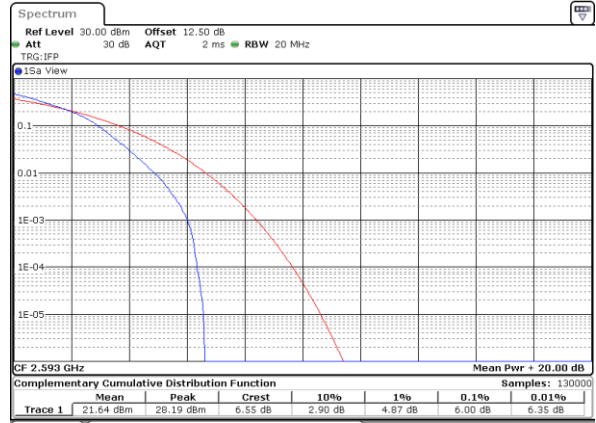
LTE Band 41 / 20MHz / QPSK

Middle Channel / Full RB



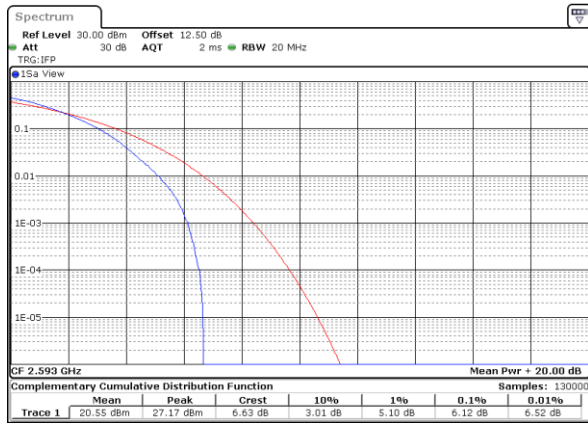
LTE Band 41 / 20MHz / 16QAM

Middle Channel / Full RB



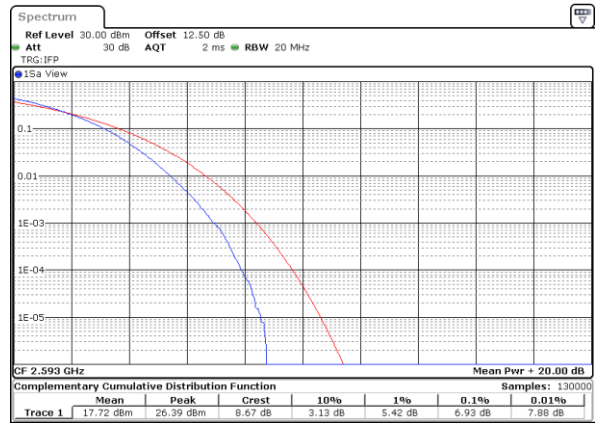
LTE Band 41 / 20MHz / 64QAM

Middle Channel / Full RB



LTE Band 41 / 20MHz / 256QAM

Middle Channel / Full RB



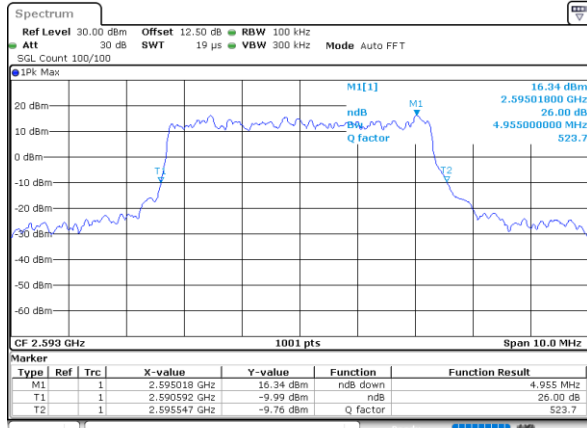
**26dB Bandwidth**

Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.96	5.16	10.57	9.67	14.18	14.60	18.98	18.94
Mode	LTE Band 41 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	5.08	4.73	9.75	10.31	14.45	14.54	18.66	19.26



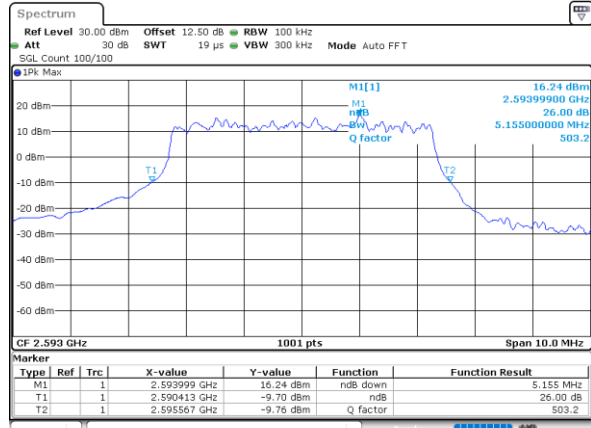
LTE Band 41

Middle Channel / 5MHz / QPSK



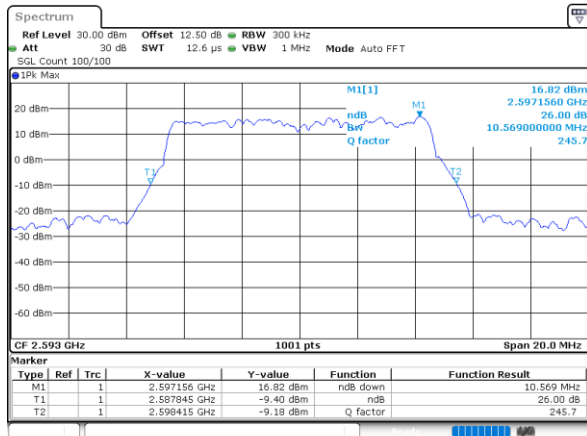
Date: 24.APR.2022 01:06:30

Middle Channel / 5MHz / 16QAM



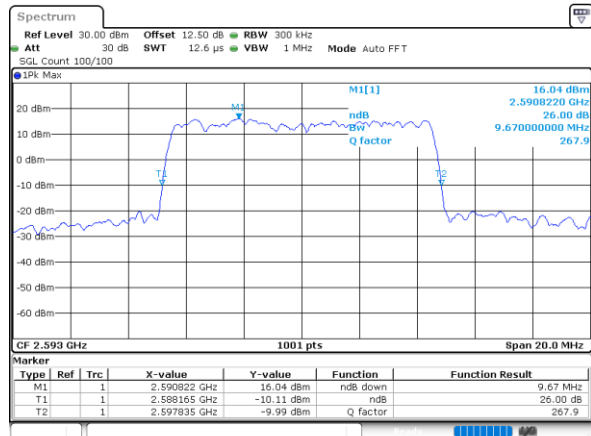
Date: 24.APR.2022 01:07:07

Middle Channel / 10MHz / QPSK



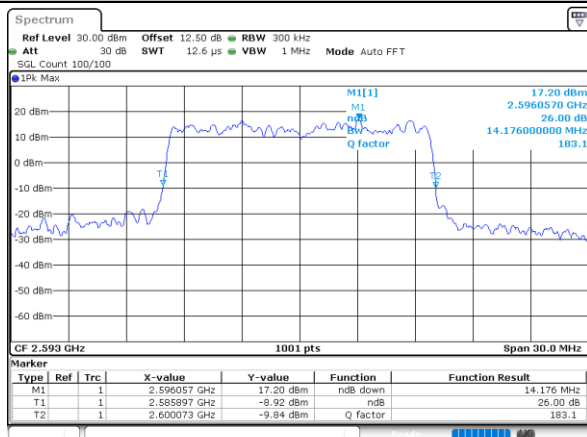
Date: 24.APR.2022 01:08:41

Middle Channel / 10MHz / 16QAM



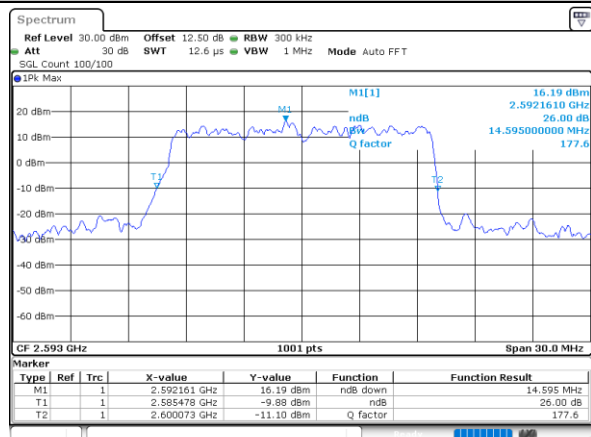
Date: 24.APR.2022 01:09:10

Middle Channel / 15MHz / QPSK



Date: 24.APR.2022 01:10:44

Middle Channel / 15MHz / 16QAM

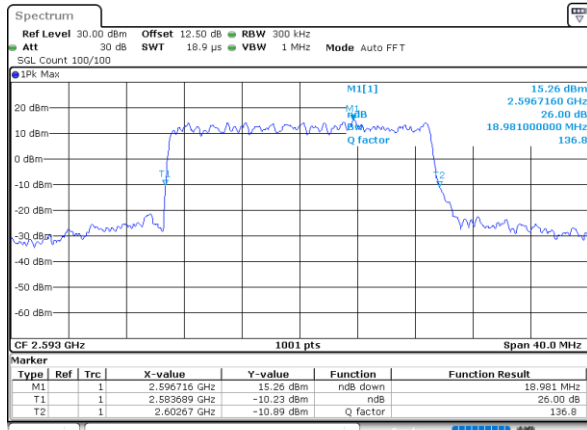


Date: 24.APR.2022 01:11:14



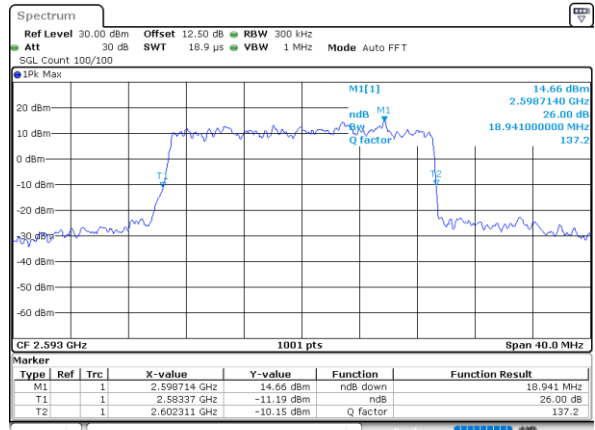
LTE Band 41

Middle Channel / 20MHz / QPSK



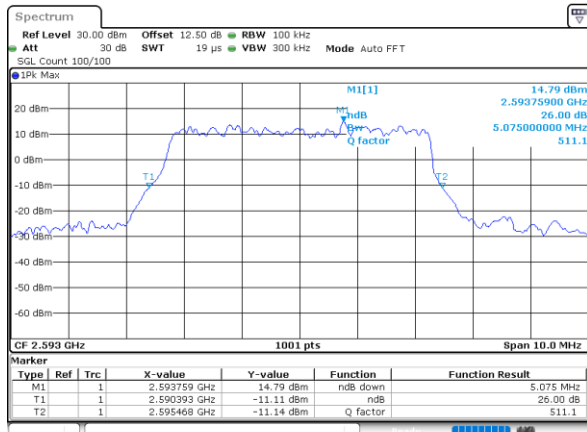
Date: 24.APR.2022 01:12:40

Middle Channel / 20MHz / 16QAM



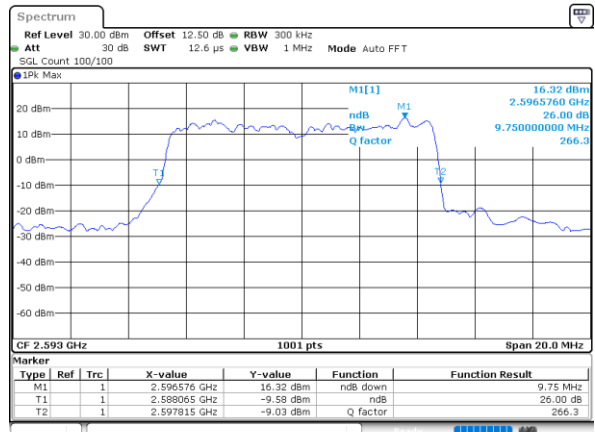
Date: 24.APR.2022 01:13:17

Middle Channel / 5MHz / 64QAM



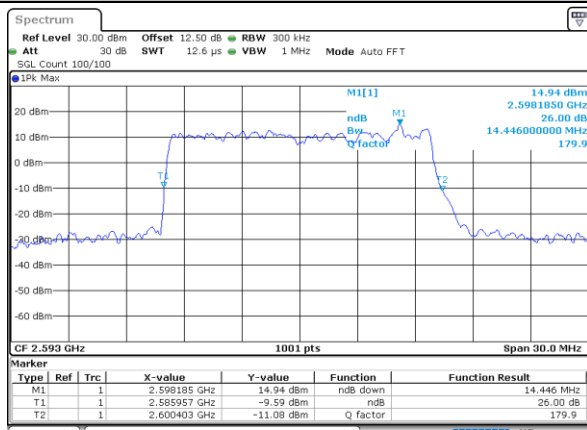
Date: 24.APR.2022 01:14:06

Middle Channel / 10MHz / 64QAM



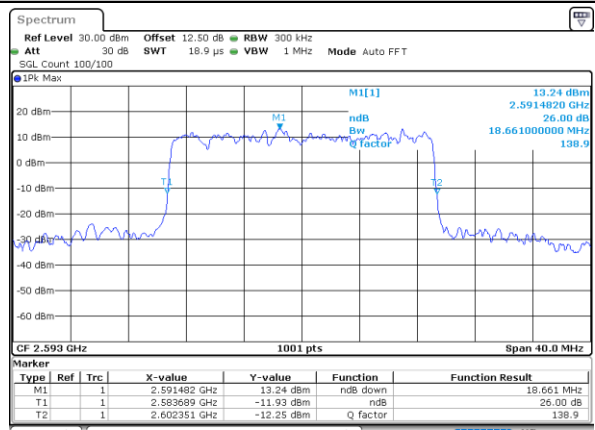
Date: 24.APR.2022 01:14:56

Middle Channel / 15MHz / 64QAM



Date: 24.APR.2022 01:15:45

Middle Channel / 20MHz / 64QAM

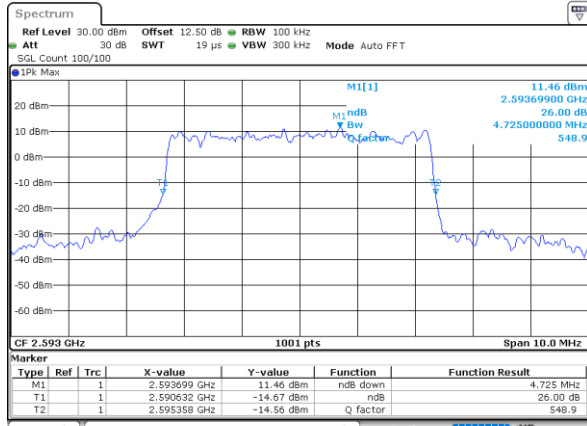


Date: 24.APR.2022 01:16:35



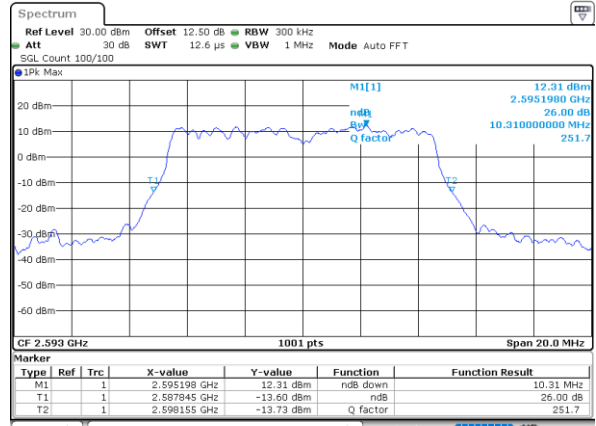
LTE Band 41

Middle Channel / 5MHz / 256QAM



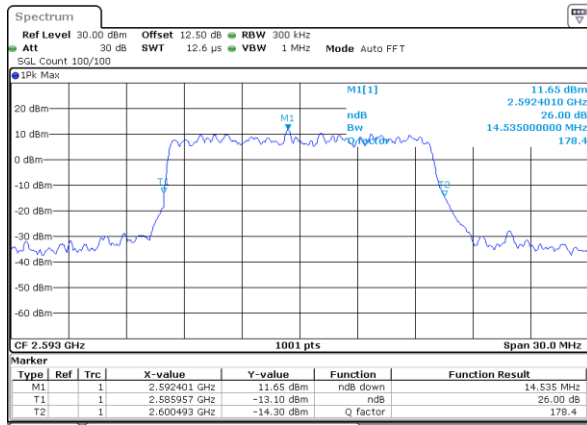
Date: 24.APR.2022 02:15:41

Middle Channel / 10MHz / 256QAM



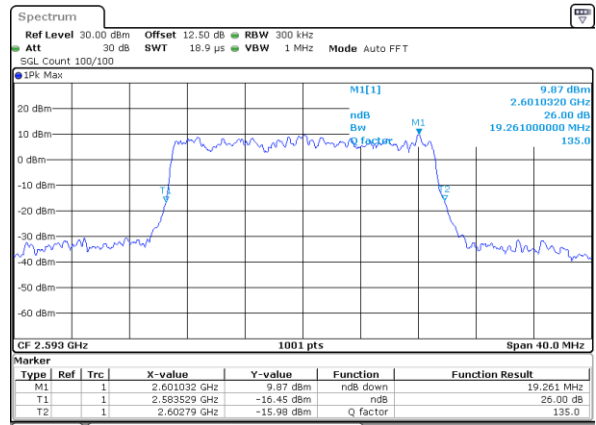
Date: 24.APR.2022 02:16:16

Middle Channel / 15MHz / 256QAM



Date: 24.APR.2022 02:17:20

Middle Channel / 20MHz / 256QAM



Date: 24.APR.2022 02:18:52

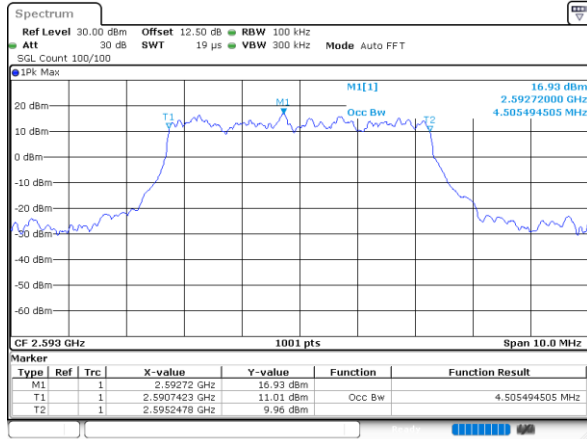
**Occupied Bandwidth**

Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.51	4.53	9.03	8.99	13.34	13.55	17.90	17.94
Mode	LTE Band 41 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM	64QAM	256 QAM
Middle CH	-	-	-	-	4.49	4.50	9.03	9.05	13.43	13.46	17.98	17.86



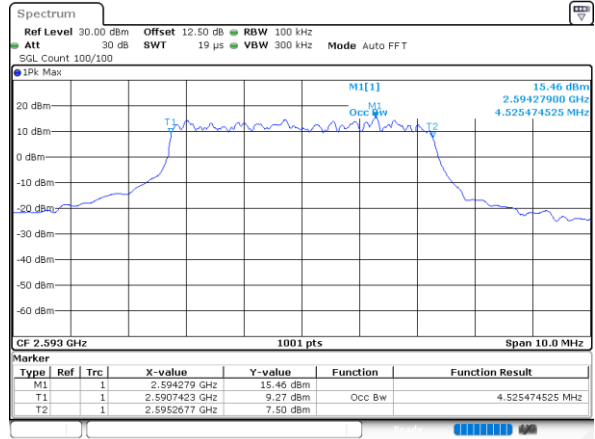
LTE Band 41

Middle Channel / 5MHz / QPSK



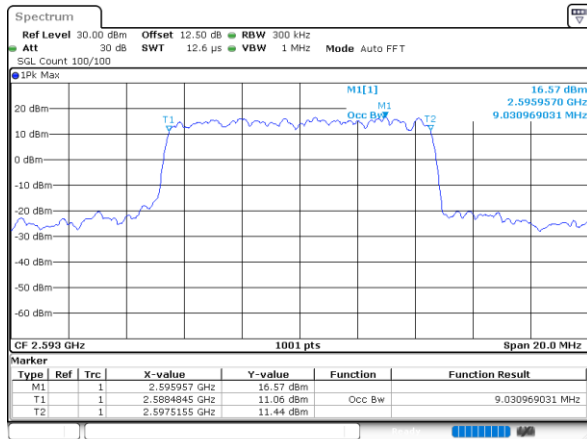
Date: 24.APR.2022 01:05:40

Middle Channel / 5MHz / 16QAM



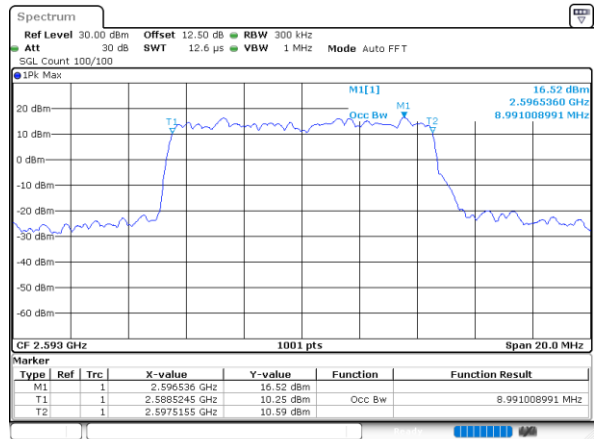
Date: 24.APR.2022 01:06:09

Middle Channel / 10MHz / QPSK



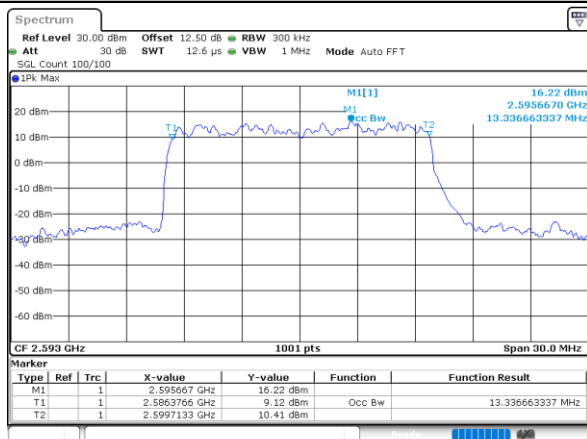
Date: 24.APR.2022 01:07:42

Middle Channel / 10MHz / 16QAM



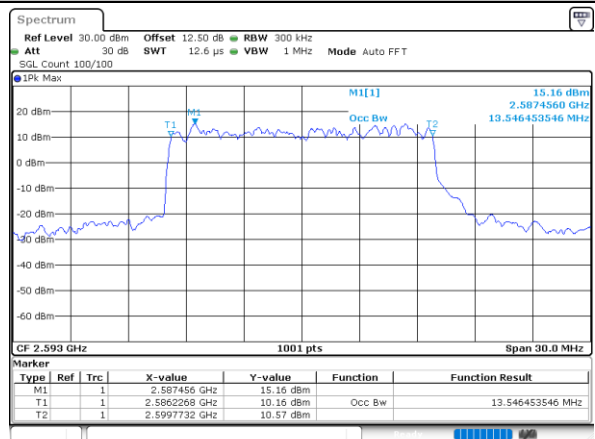
Date: 24.APR.2022 01:08:12

Middle Channel / 15MHz / QPSK



Date: 24.APR.2022 01:09:45

Middle Channel / 15MHz / 16QAM

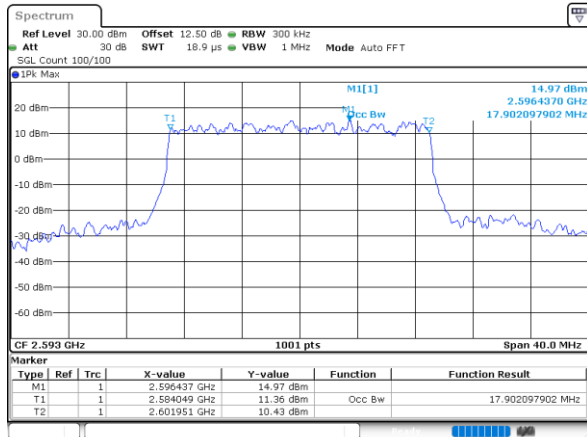


Date: 24.APR.2022 01:10:15



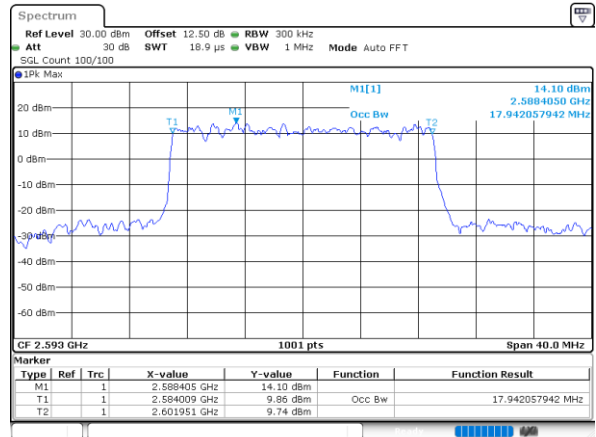
LTE Band 41

Middle Channel / 20MHz / QPSK



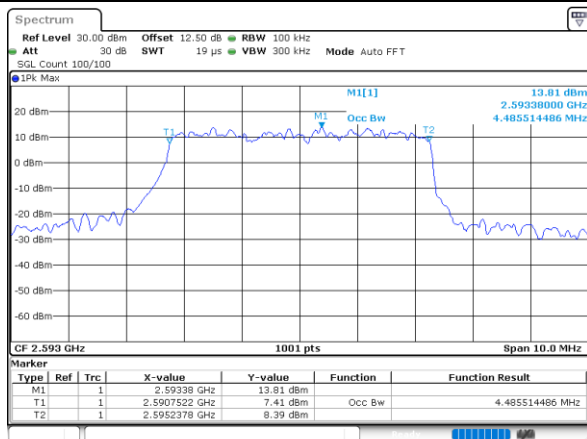
Date: 24.APR.2022 01:11:49

Middle Channel / 20MHz / 16QAM



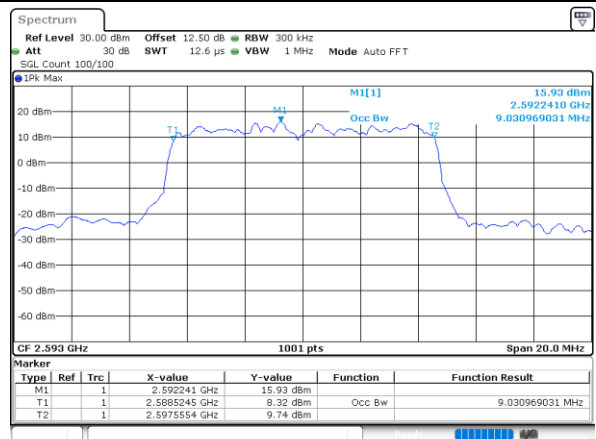
Date: 24.APR.2022 01:12:18

Middle Channel / 5MHz / 64QAM



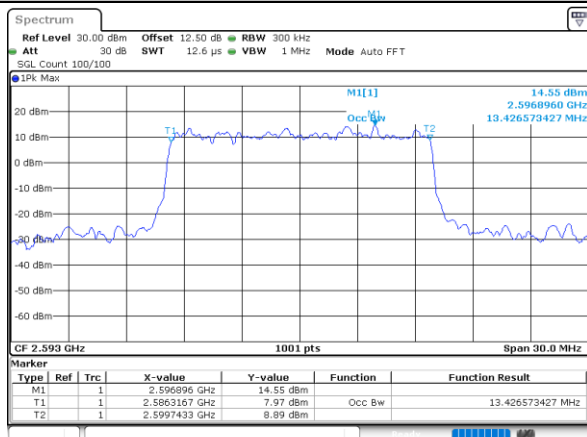
Date: 24.APR.2022 01:13:52

Middle Channel / 10MHz / 64QAM



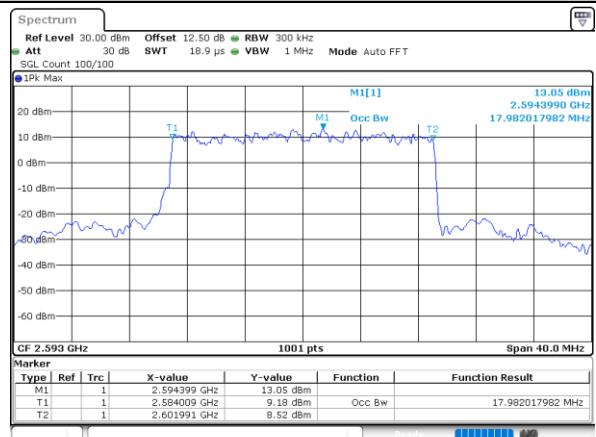
Date: 24.APR.2022 01:14:42

Middle Channel / 15MHz / 64QAM



Date: 24.APR.2022 01:15:31

Middle Channel / 20MHz / 64QAM

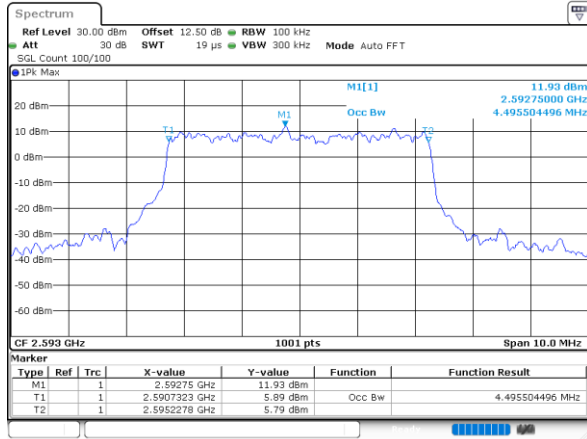


Date: 24.APR.2022 01:16:20

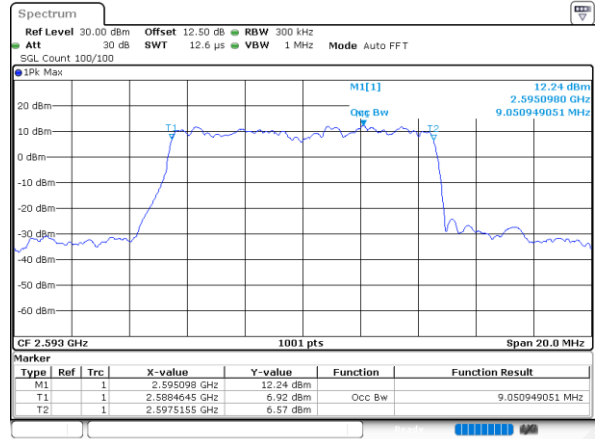


LTE Band 41

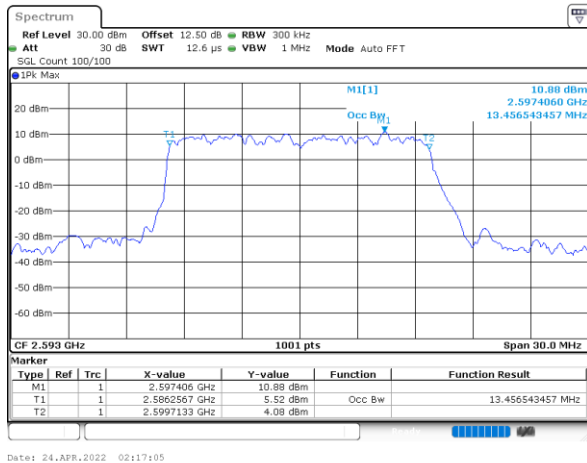
Middle Channel / 5MHz / 256QAM



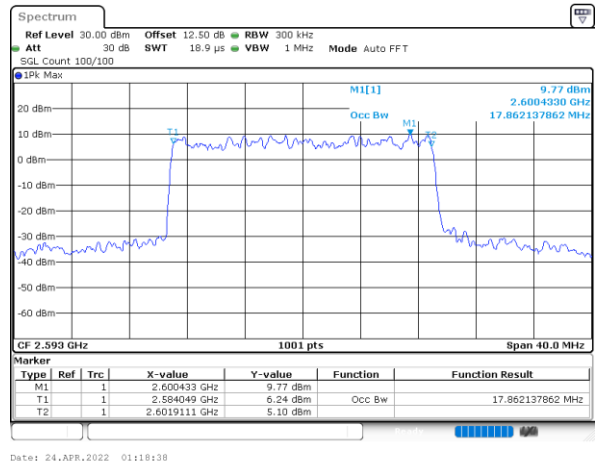
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM

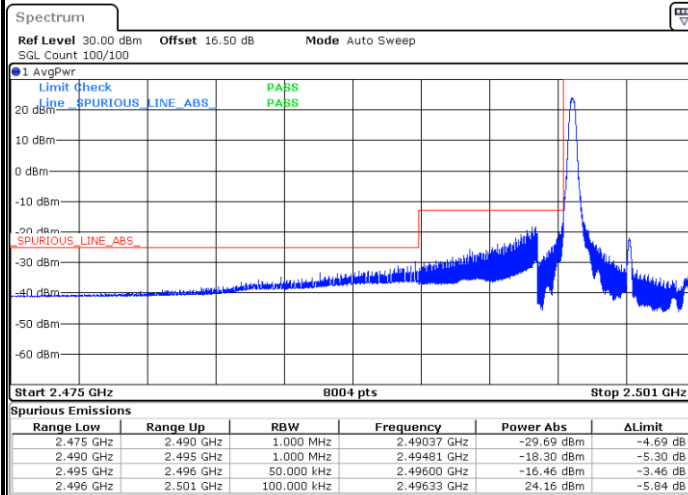




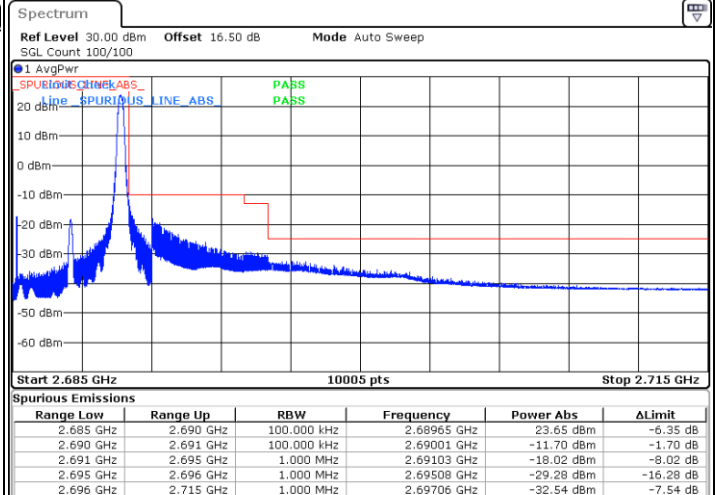
Conducted Band Edge

LTE Band 41 / 5MHz / QPSK

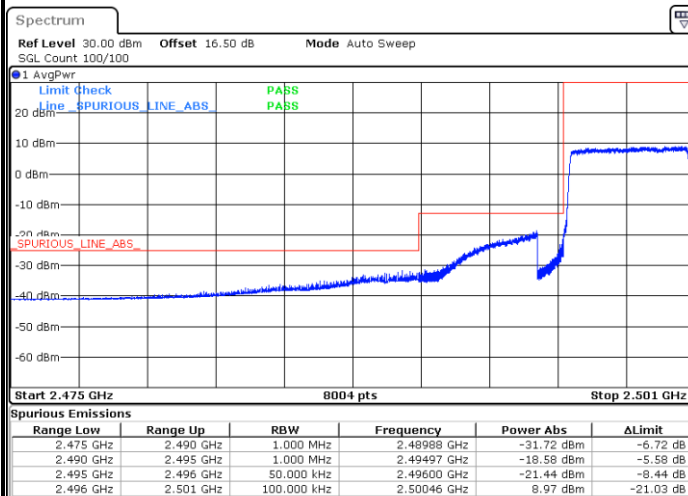
Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

