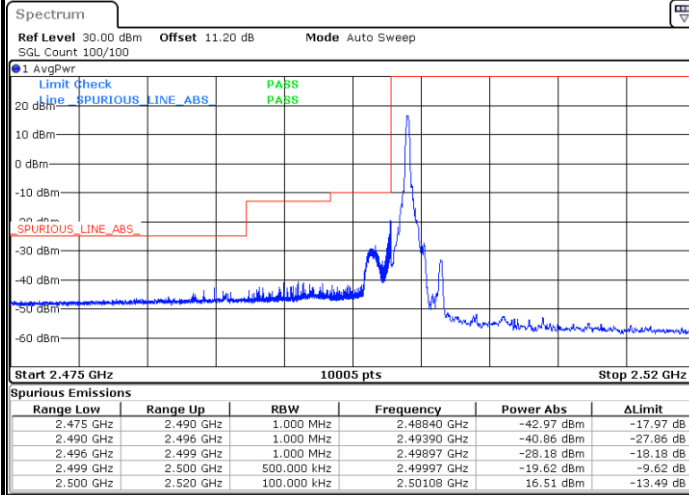


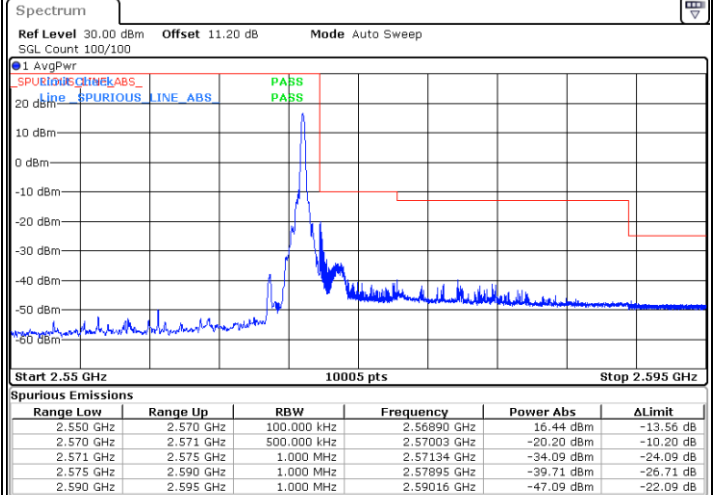


LTE Band 7 / 20MHz / 64QAM

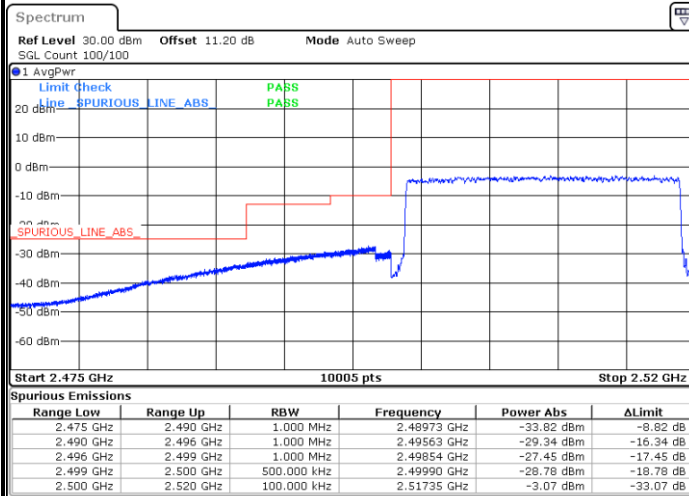
Lowest Band Edge / 1 RB



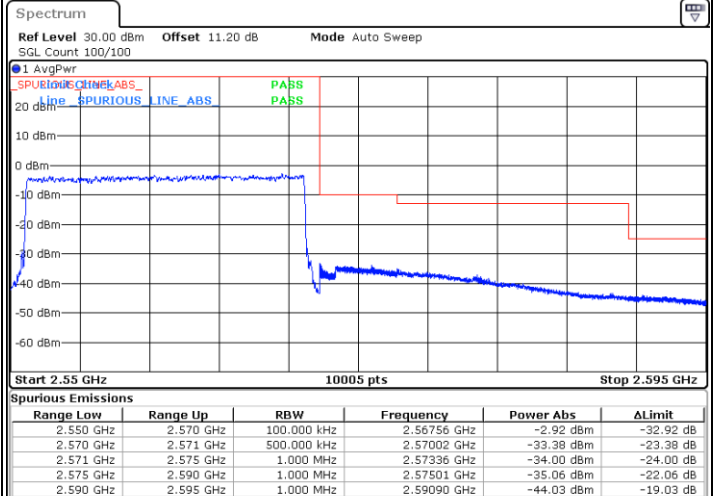
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

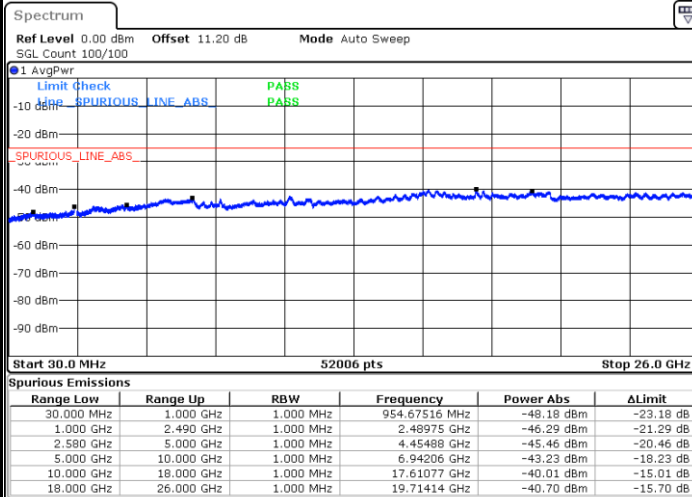




Conducted Spurious Emission

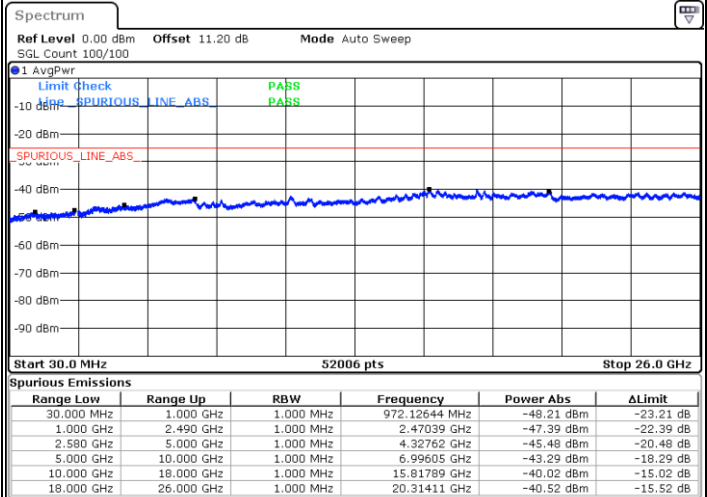
LTE Band 7 / 5MHz

Lowest Channel / QPSK



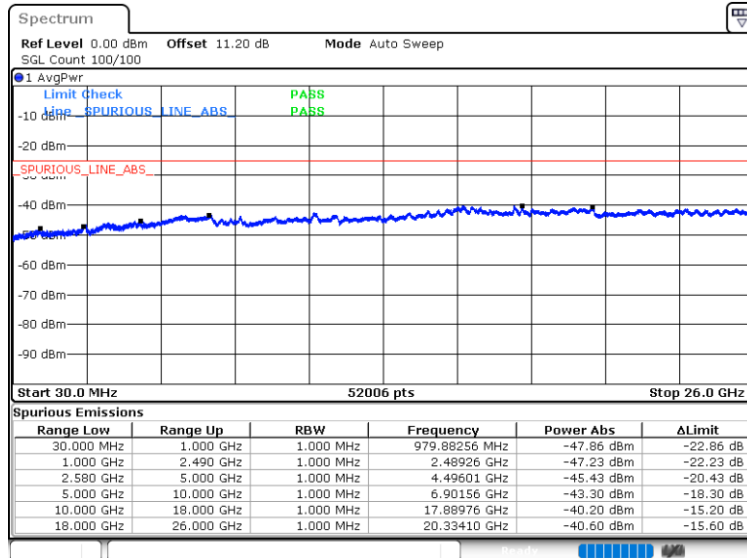
Date: 18.MAY.2021 14:46:33

Middle Channel / QPSK



Date: 18.MAY.2021 14:49:00

Highest Channel / QPSK

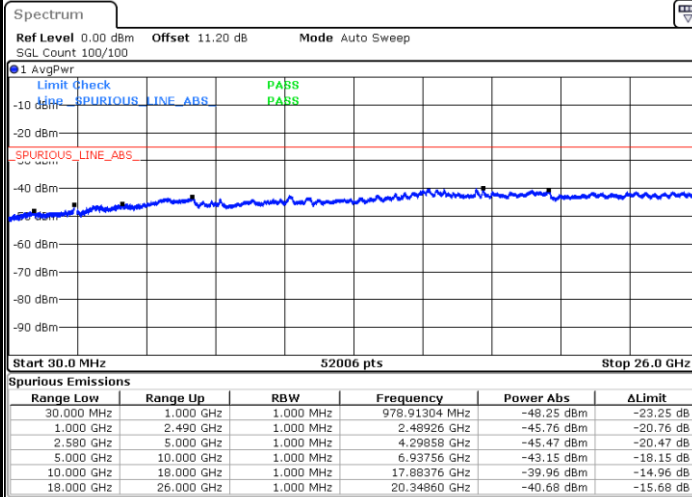


Date: 18.MAY.2021 14:51:47



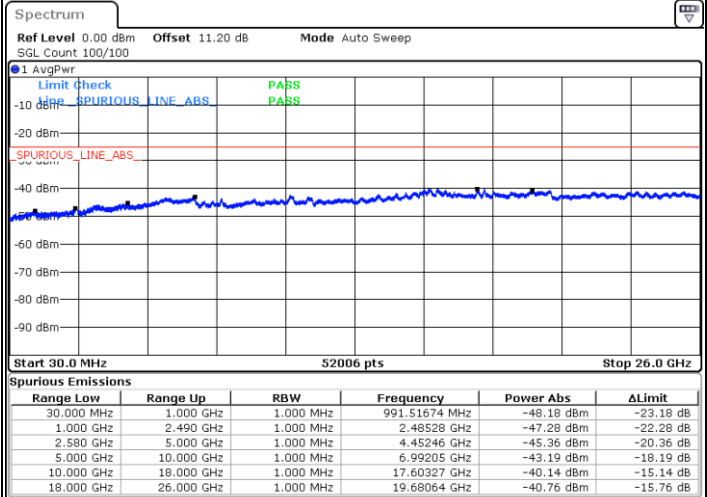
LTE Band 7 / 10MHz

Lowest Channel / QPSK



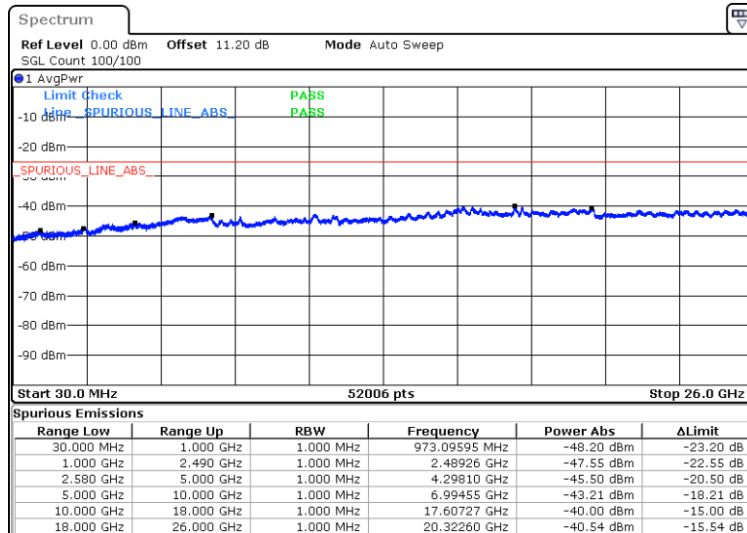
Date: 18.MAY.2021 14:57:04

Middle Channel / QPSK



Date: 18.MAY.2021 14:59:30

Highest Channel / QPSK

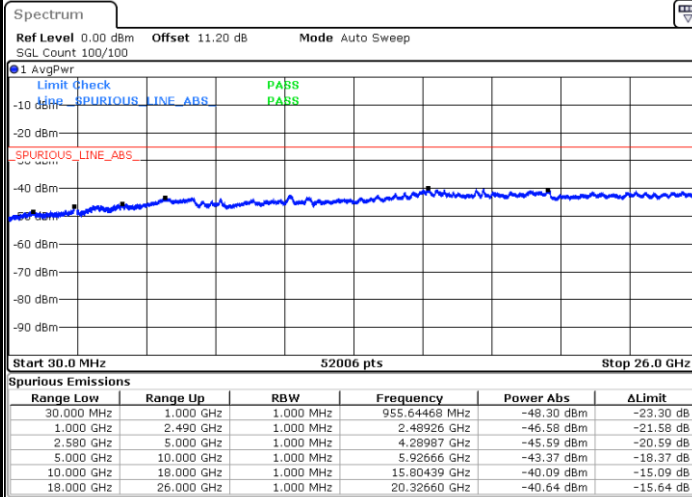


Date: 18.MAY.2021 15:02:16



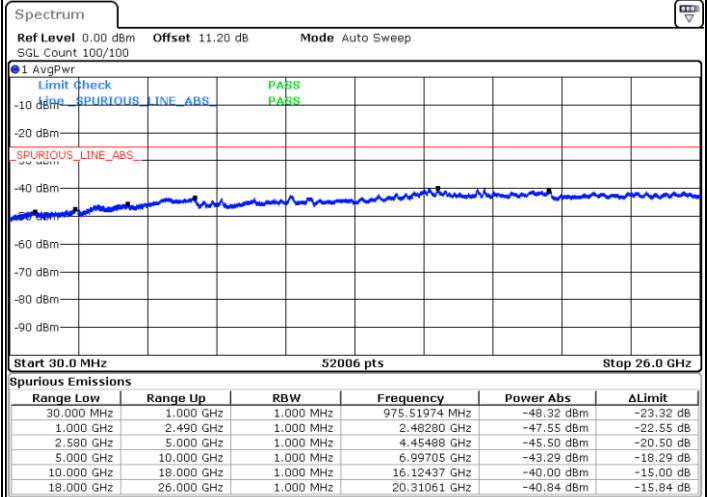
LTE Band 7 / 15MHz

Lowest Channel / QPSK



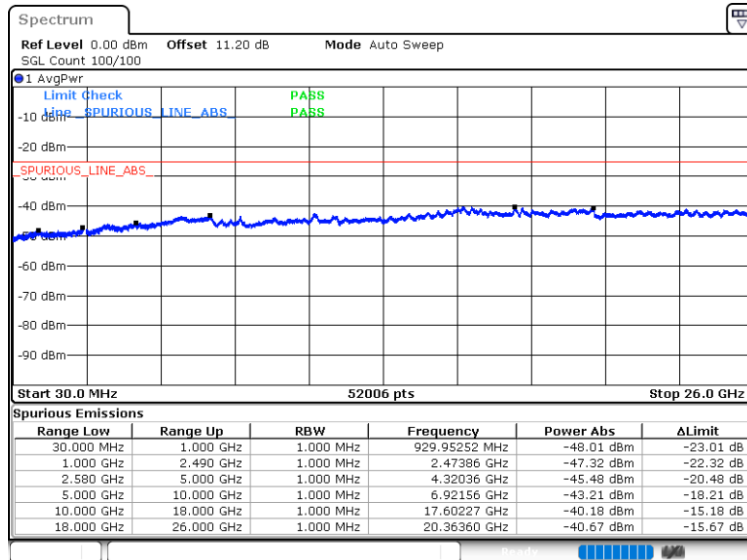
Date: 18.MAY.2021 15:07:36

Middle Channel / QPSK



Date: 18.MAY.2021 15:10:02

Highest Channel / QPSK

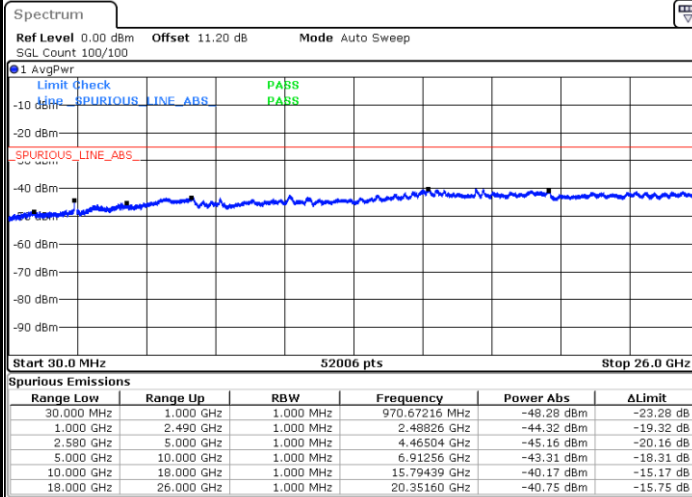


Date: 18.MAY.2021 15:12:49



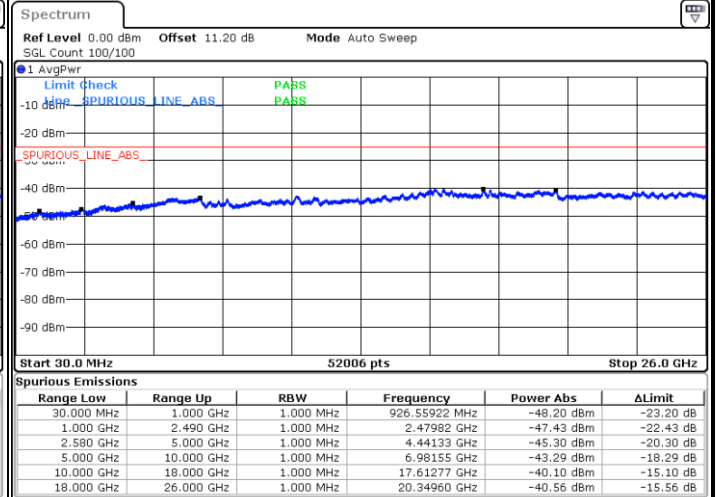
LTE Band 7 / 20MHz

Lowest Channel / QPSK



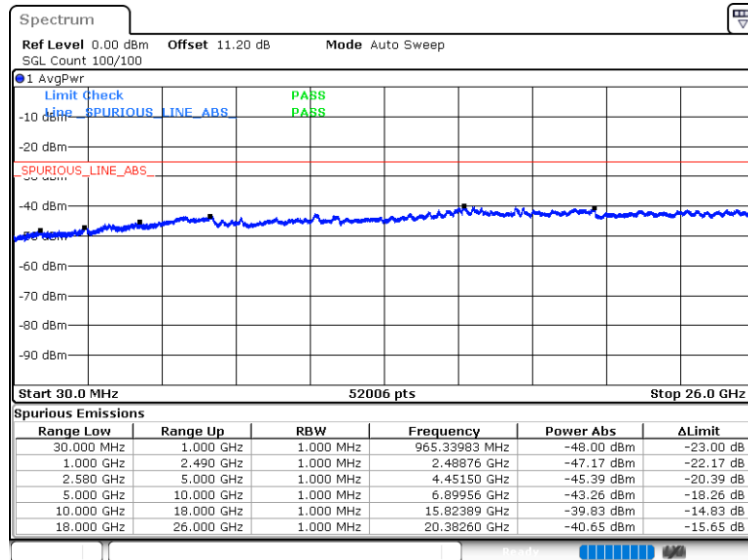
Date: 18.MAY.2021 15:18:10

Middle Channel / QPSK



Date: 18.MAY.2021 15:20:36

Highest Channel / QPSK



Date: 18.MAY.2021 15:23:23

Frequency Stability

Test Conditions		LTE Band 7 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0034	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0000	
0	Normal Voltage	0.0007	
-10	Normal Voltage	0.0005	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0010	
20	Maximum Voltage	0.0043	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0055	

Note:

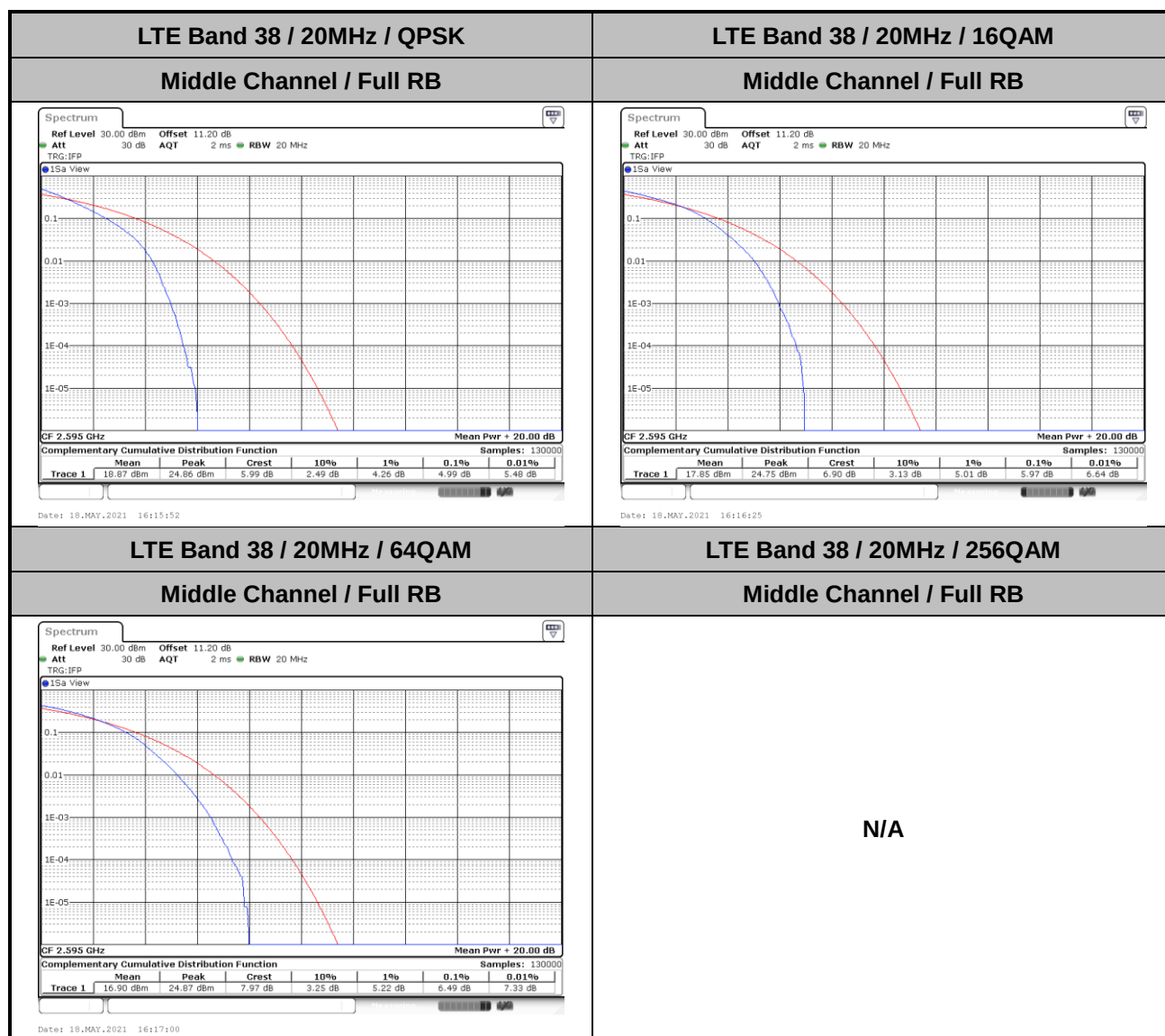
1. Normal Voltage =14 V. ; Battery End Point (BEP) =12 V. ; Maximum Voltage =16 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 38

Peak-to-Average Ratio

Mode	LTE Band 38 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	4.99	5.97	6.49	-	PASS



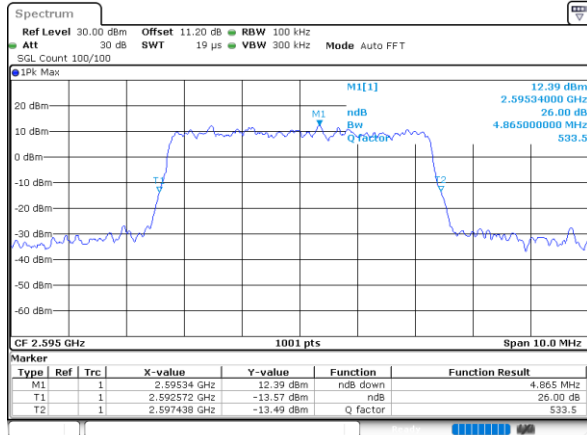
**26dB Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.87	4.91	9.77	9.67	14.36	14.45	18.66	18.78
Mode	LTE Band 38 : 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	-	-	-	-	4.90	-	9.83	-	14.24	-	19.02	-



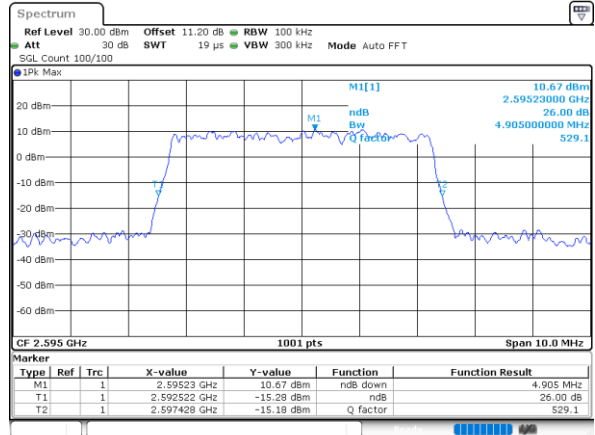
LTE Band 38

Middle Channel / 5MHz / QPSK



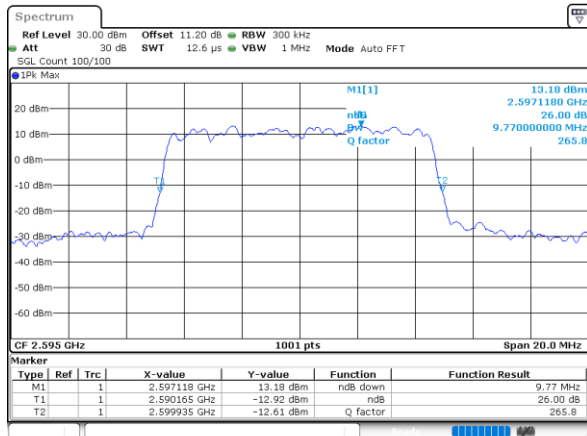
Date: 18.MAY.2021 16:03:29

Middle Channel / 5MHz / 16QAM



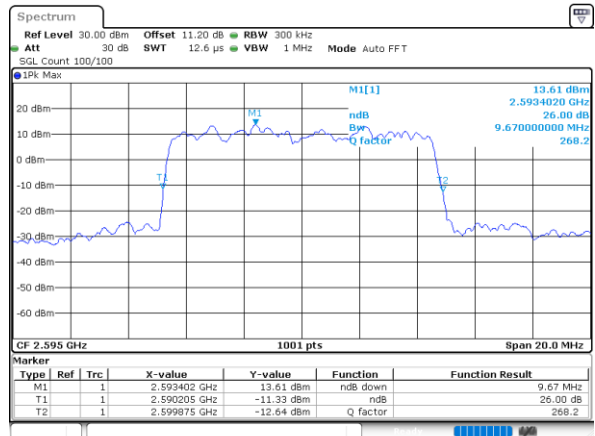
Date: 18.MAY.2021 16:03:50

Middle Channel / 10MHz / QPSK



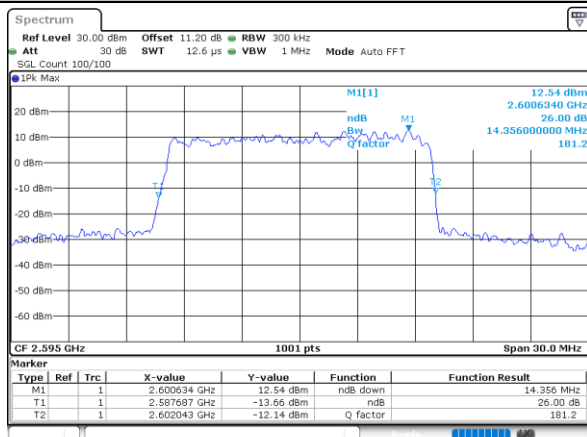
Date: 18.MAY.2021 16:04:57

Middle Channel / 10MHz / 16QAM



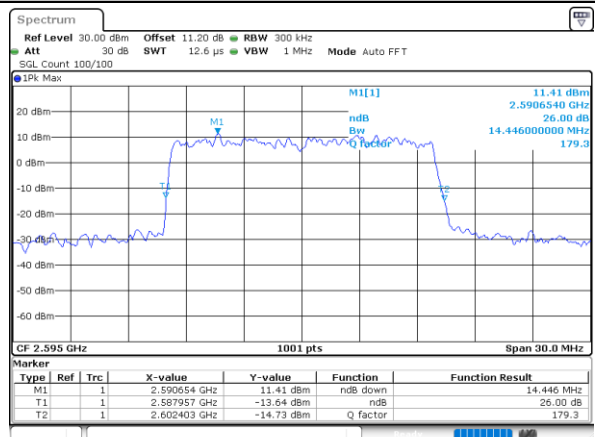
Date: 18.MAY.2021 16:05:18

Middle Channel / 15MHz / QPSK



Date: 18.MAY.2021 16:06:24

Middle Channel / 15MHz / 16QAM

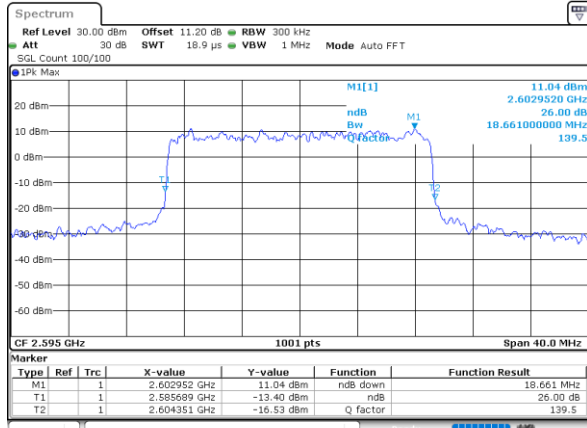


Date: 18.MAY.2021 16:06:45



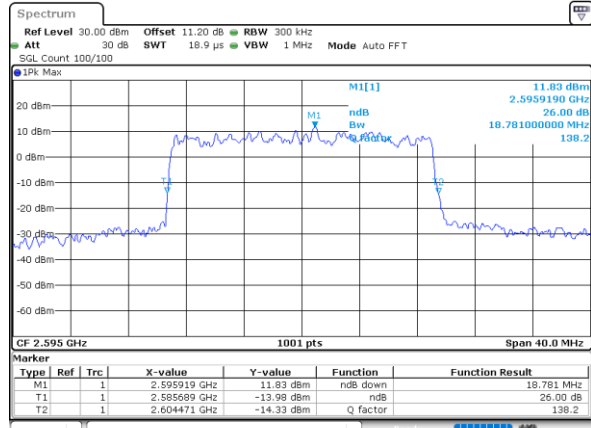
LTE Band 38

Middle Channel / 20MHz / QPSK



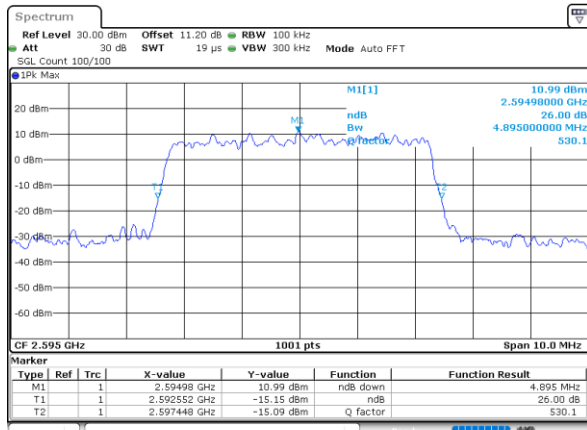
Date: 18.MAY.2021 16:07:51

Middle Channel / 20MHz / 16QAM



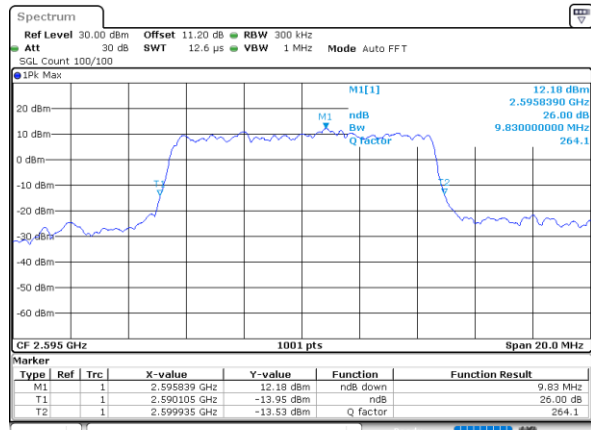
Date: 18.MAY.2021 16:08:13

Middle Channel / 5MHz / 64QAM



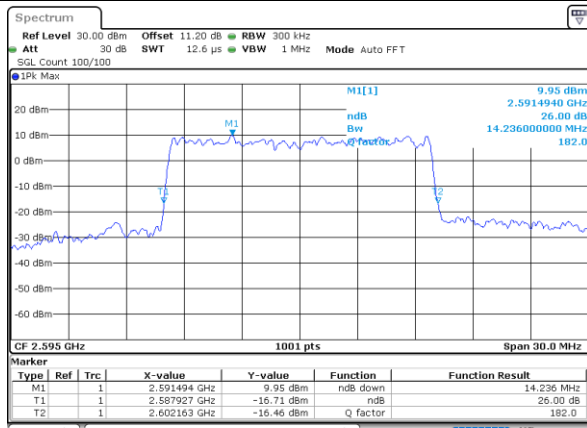
Date: 18.MAY.2021 16:08:57

Middle Channel / 10MHz / 64QAM



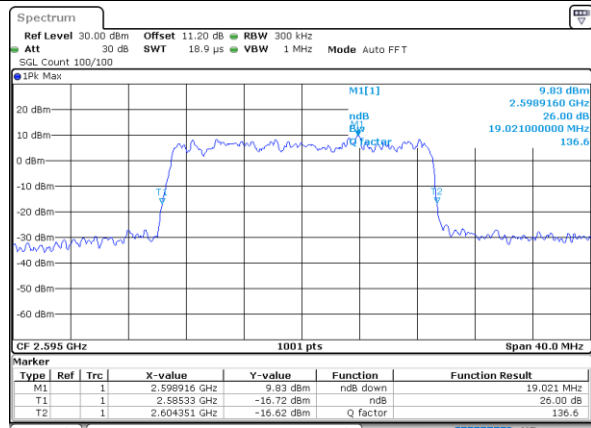
Date: 18.MAY.2021 16:09:40

Middle Channel / 15MHz / 64QAM



Date: 18.MAY.2021 16:10:24

Middle Channel / 20MHz / 64QAM



Date: 18.MAY.2021 16:11:08

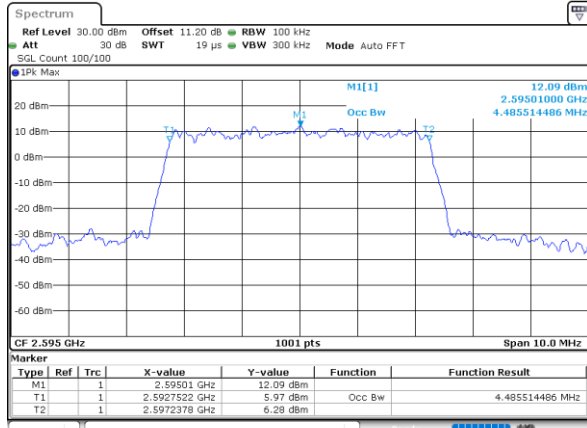
**Occupied Bandwidth**

Mode	LTE Band 38 : 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	-	-	-	-	4.49	4.49	9.03	8.99	13.46	13.37	17.74	17.90
Mode	LTE Band 38 : 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	-	9.03	-	13.43	-	17.94	-



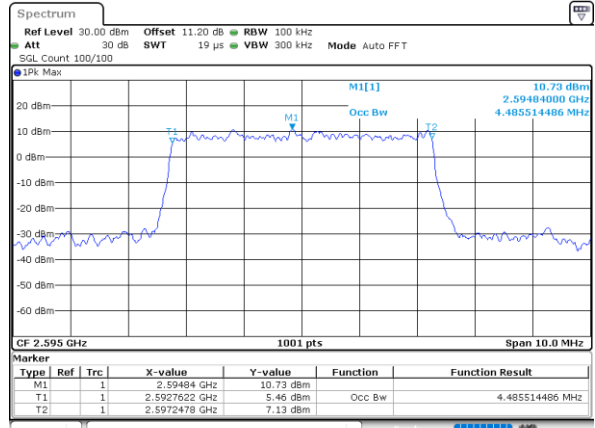
LTE Band 38

Middle Channel / 5MHz / QPSK



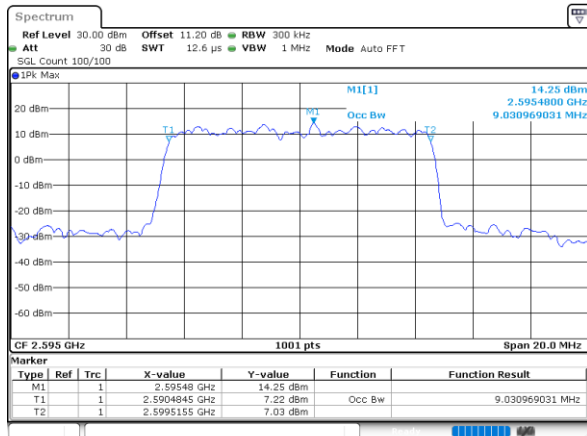
Date: 18.MAY.2021 16:02:44

Middle Channel / 5MHz / 16QAM



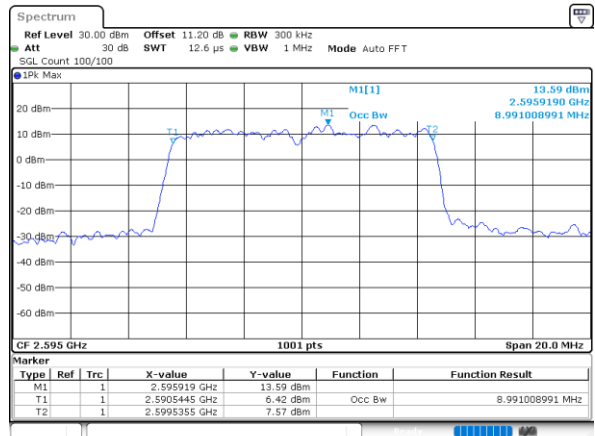
Date: 18.MAY.2021 16:03:07

Middle Channel / 10MHz / QPSK



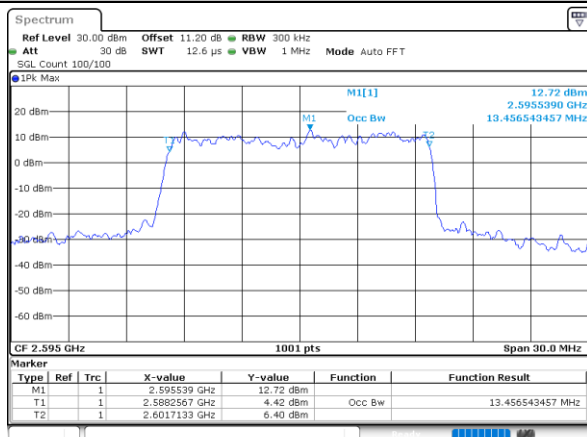
Date: 18.MAY.2021 16:04:12

Middle Channel / 10MHz / 16QAM



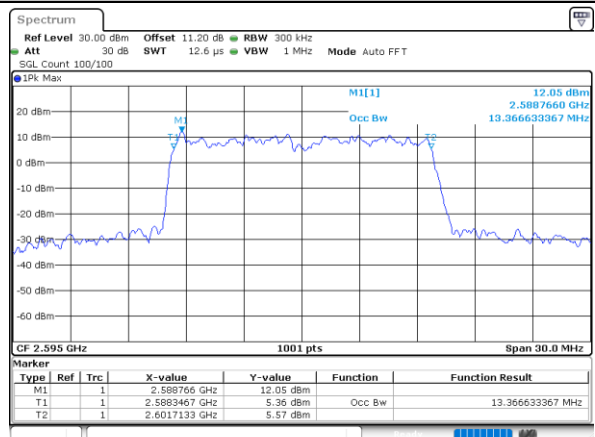
Date: 18.MAY.2021 16:04:34

Middle Channel / 15MHz / QPSK



Date: 18.MAY.2021 16:05:39

Middle Channel / 15MHz / 16QAM

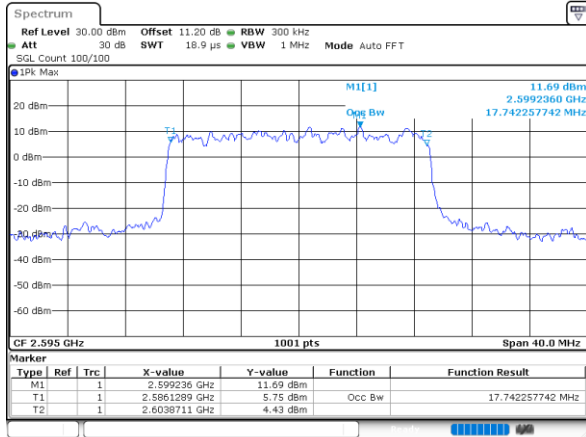


Date: 18.MAY.2021 16:06:02

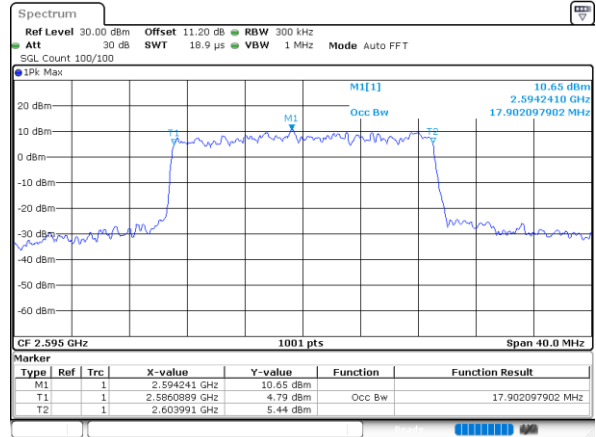


LTE Band 38

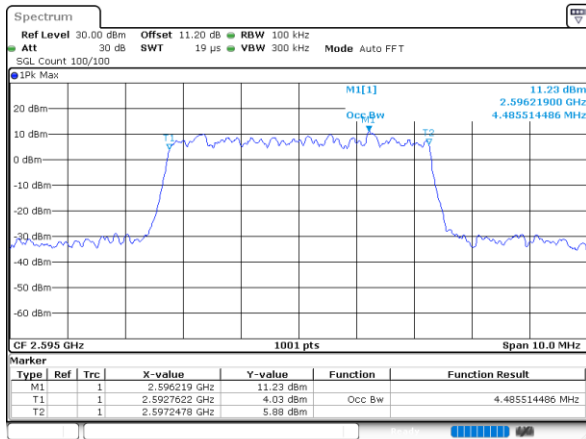
Middle Channel / 20MHz / QPSK



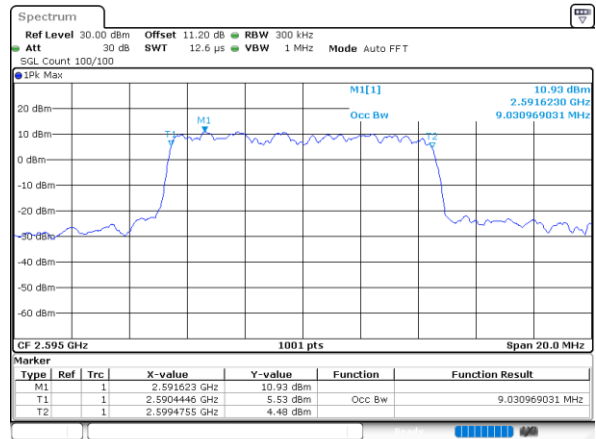
Middle Channel / 20MHz / 16QAM



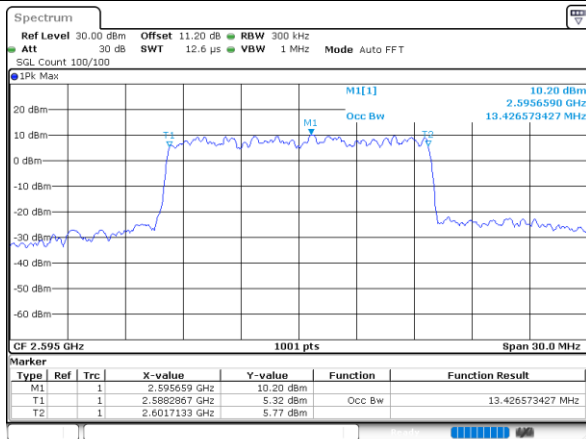
Middle Channel / 5MHz / 64QAM



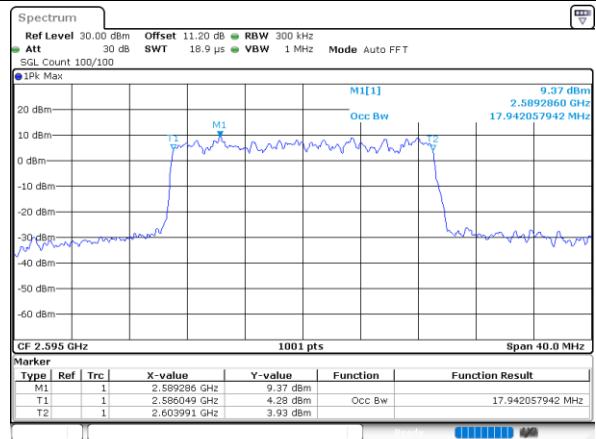
Middle Channel / 10MHz / 64QAM

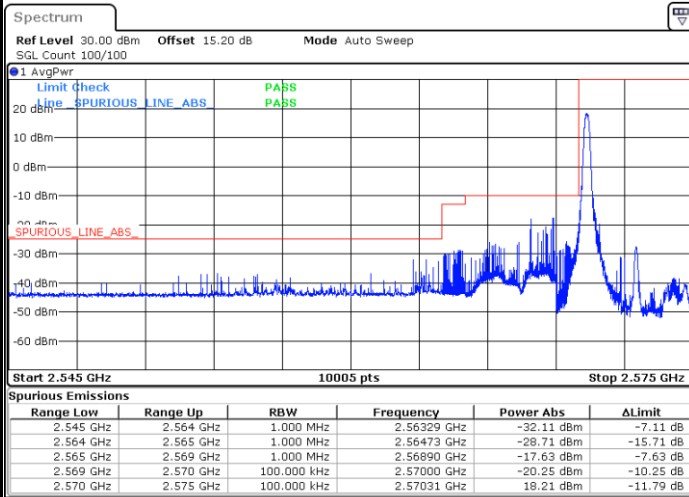
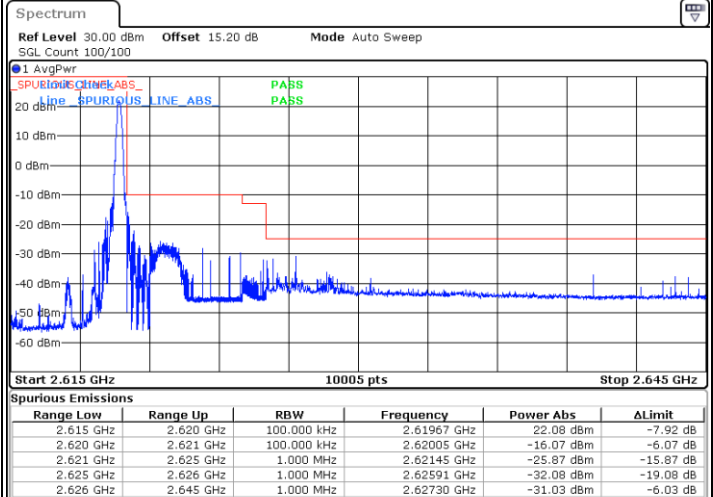
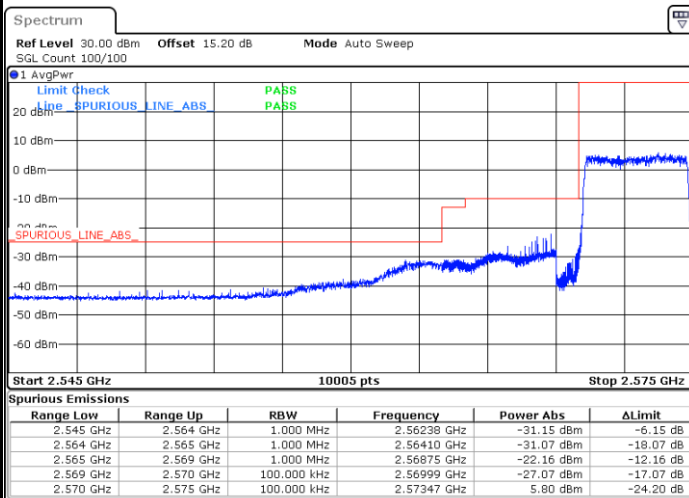
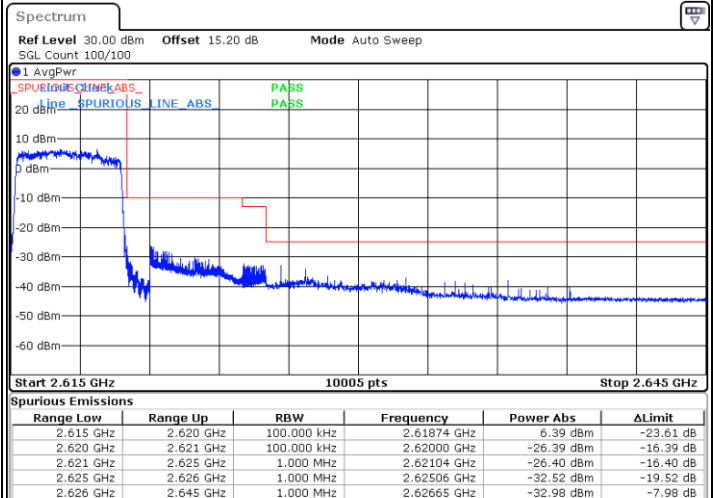


Middle Channel / 15MHz / 64QAM



Middle Channel / 20MHz / 64QAM

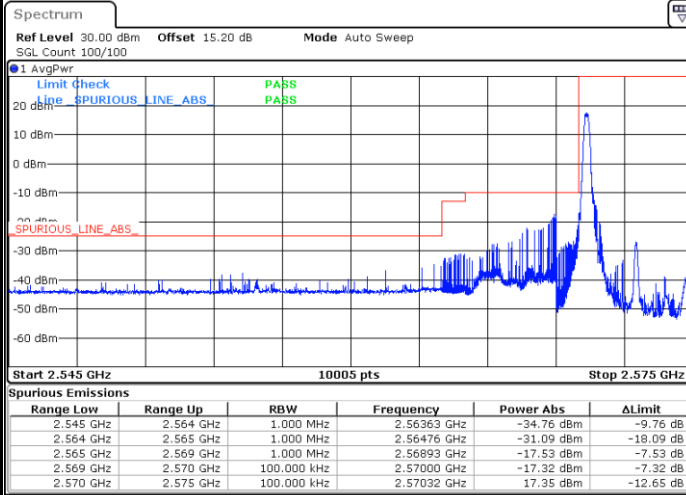


**Conducted Band Edge****LTE Band 38 / 5MHz / QPSK****Lowest Band Edge / 1 RB****Highest Band Edge / 1 RB****Lowest Band Edge / Full RB****Highest Band Edge / Full RB**

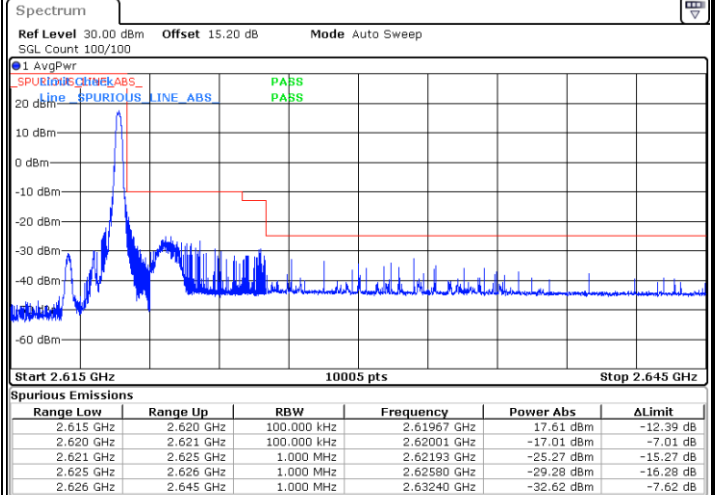


LTE Band 38 / 5MHz / 16QAM

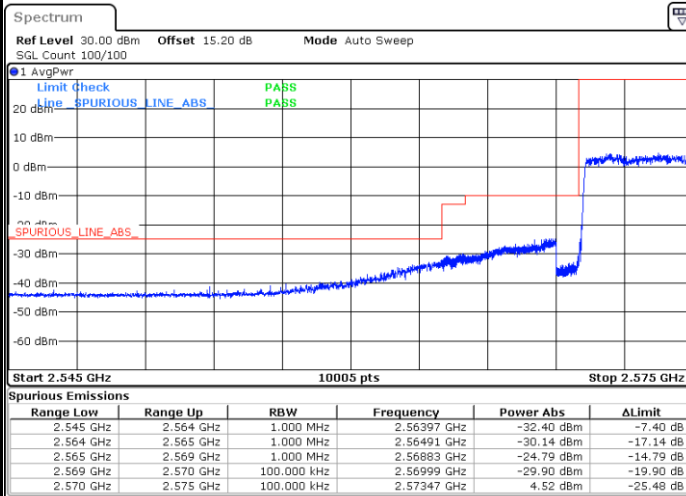
Lowest Band Edge / 1RB



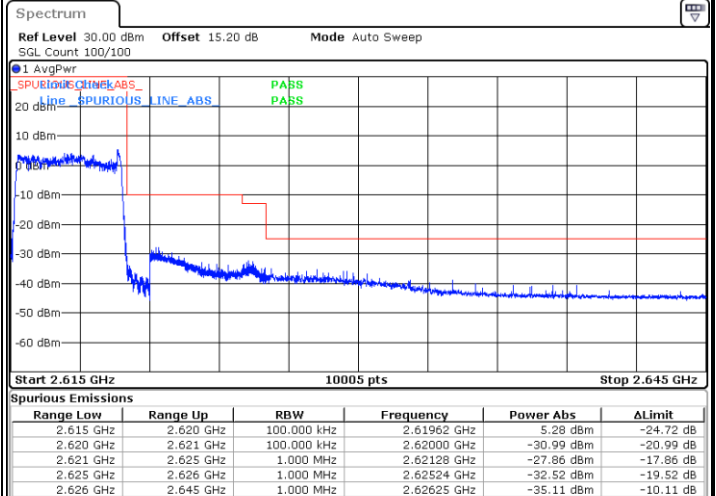
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



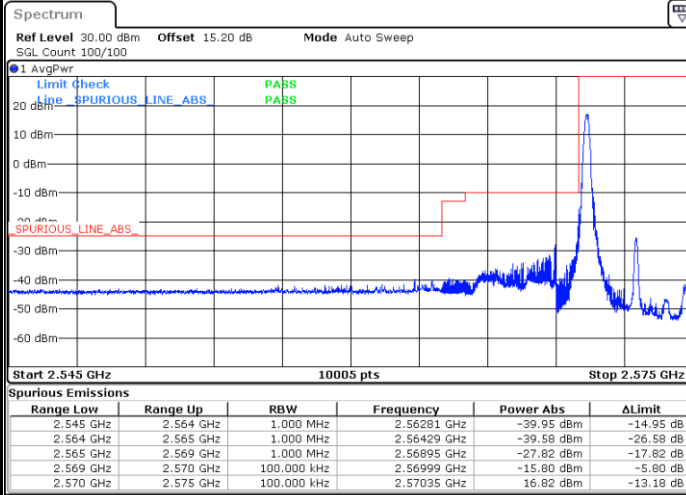
Highest Band Edge / Full RB



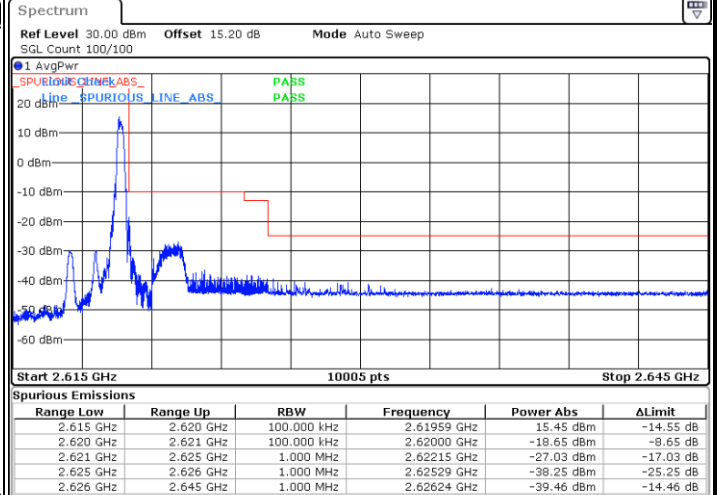


LTE Band 38 / 5MHz / 64QAM

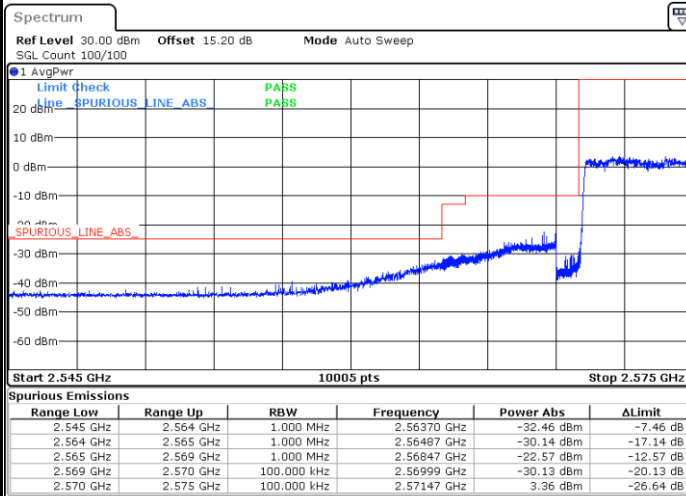
Lowest Band Edge / 1RB



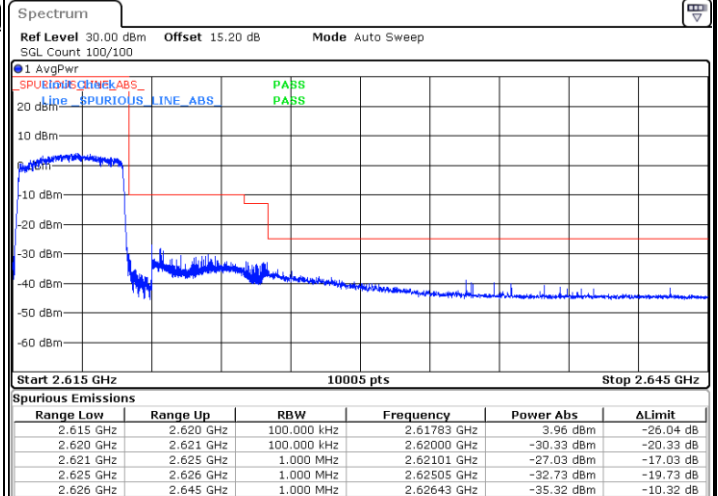
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



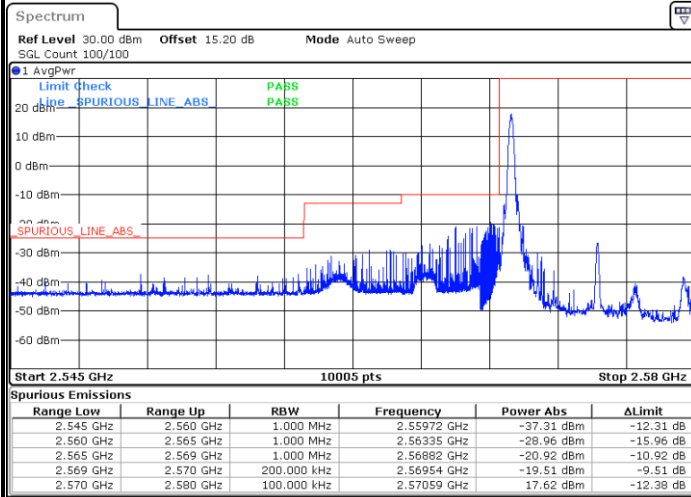
Highest Band Edge / Full RB



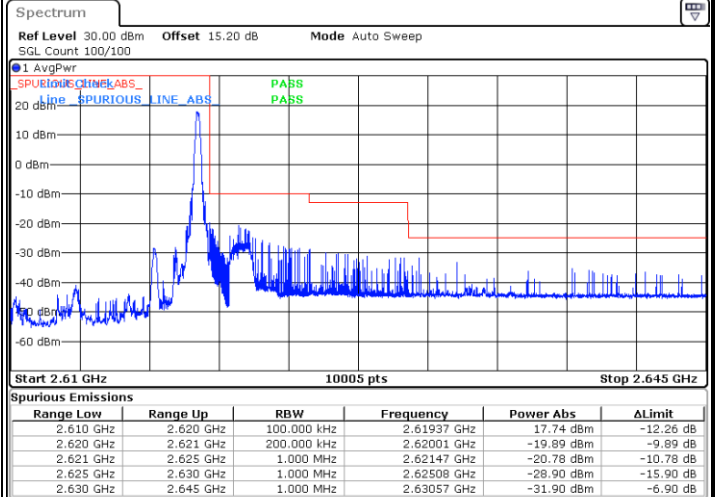


LTE Band 38 / 10MHz / QPSK

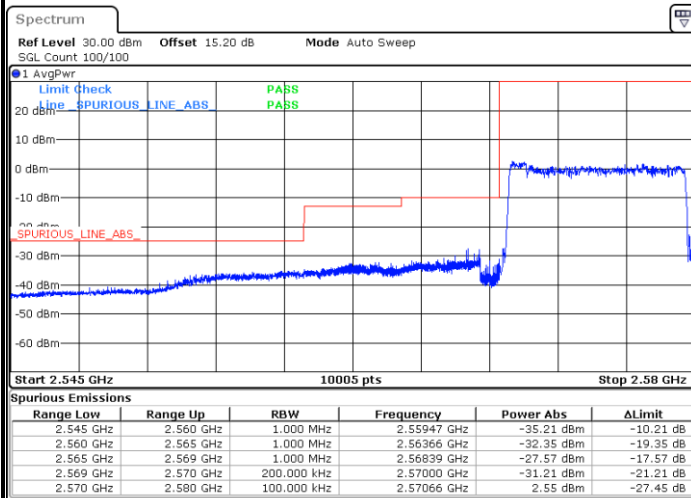
Lowest Band Edge / 1 RB



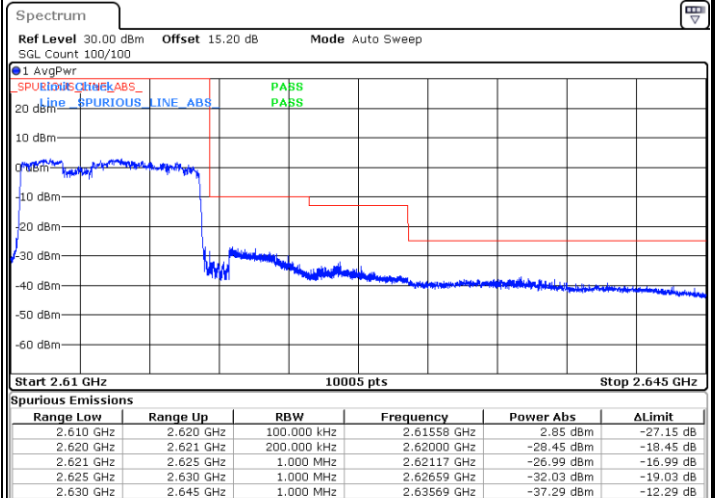
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



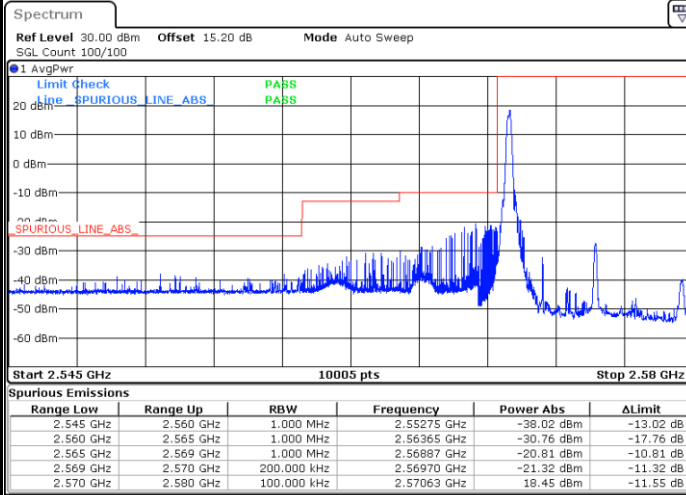
Highest Band Edge / Full RB





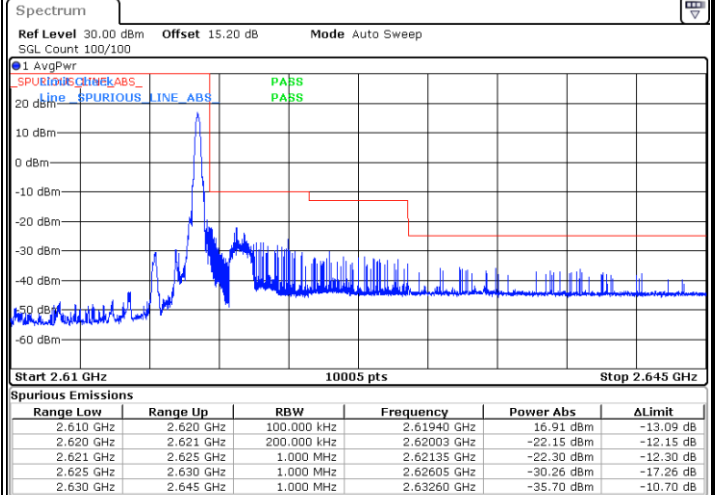
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



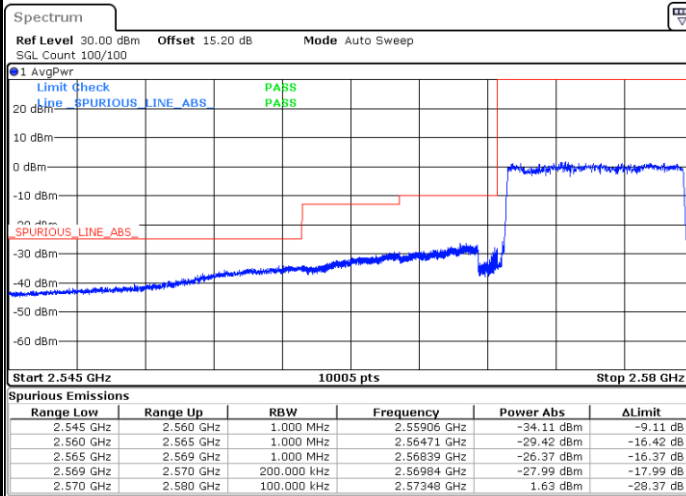
Date: 18.MAY.2021 15:36:14

Highest Band Edge / 1 RB



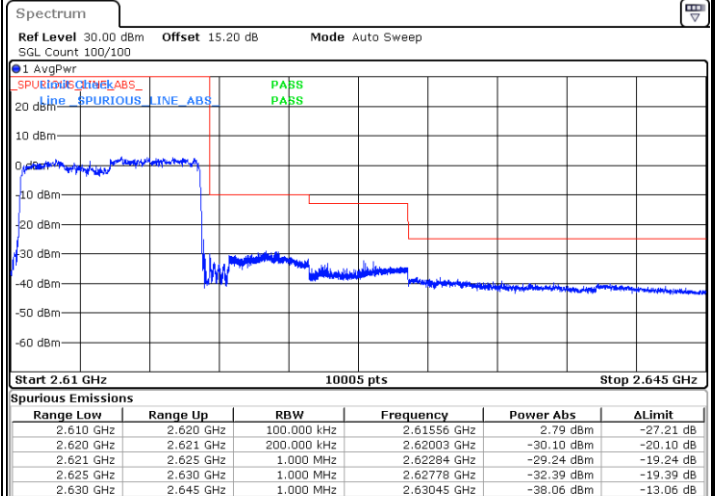
Date: 18.MAY.2021 15:38:54

Lowest Band Edge / Full RB



Date: 18.MAY.2021 15:37:07

Highest Band Edge / Full RB

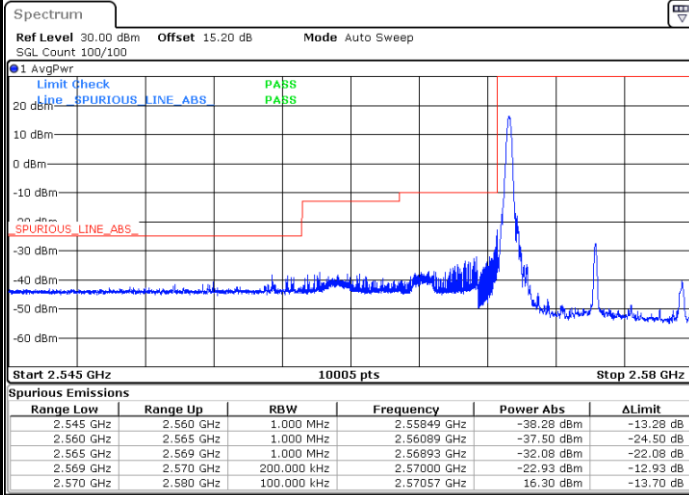


Date: 18.MAY.2021 15:38:00

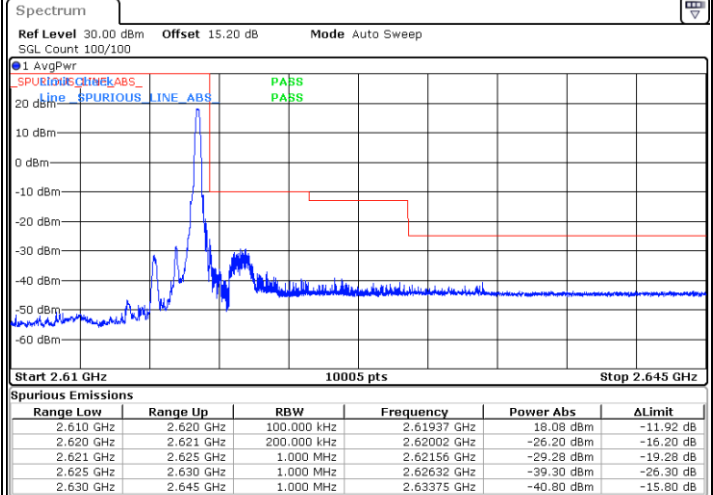


LTE Band 38 / 10MHz / 64QAM

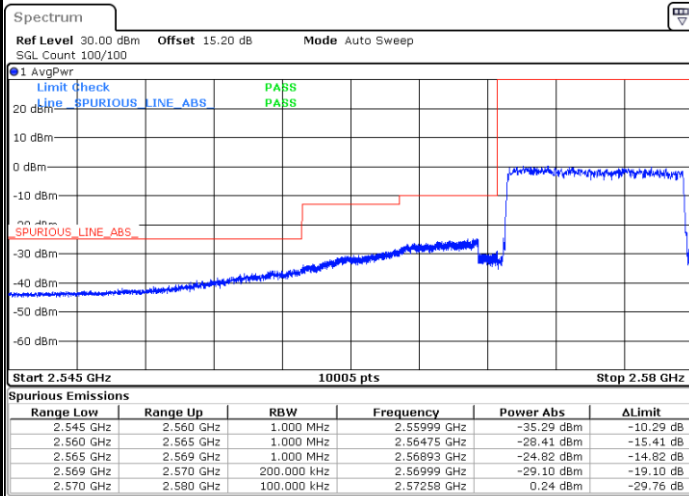
Lowest Band Edge / 1 RB



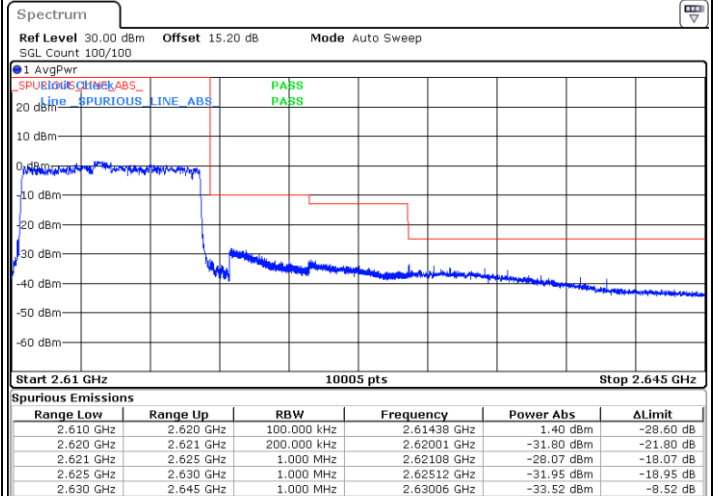
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



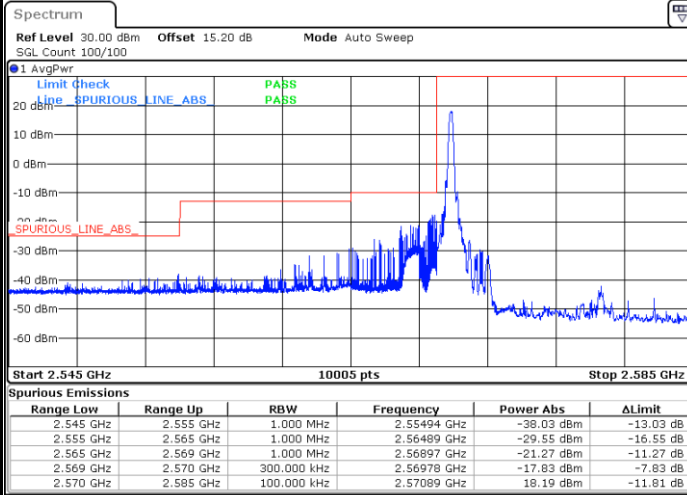
Highest Band Edge / Full RB



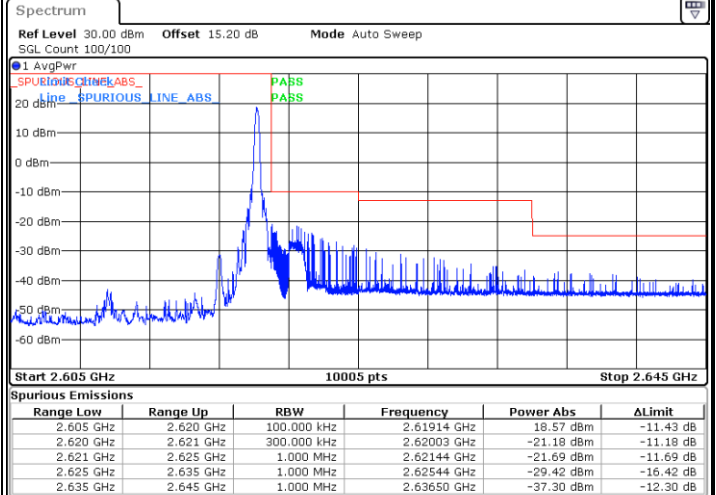


LTE Band 38 / 15MHz / QPSK

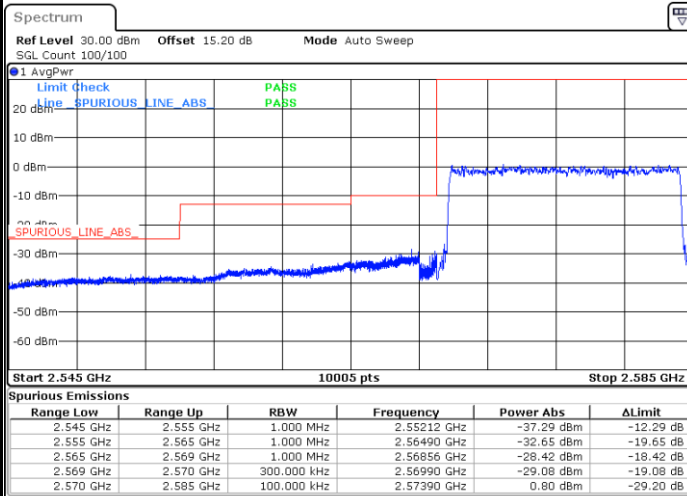
Lowest Band Edge / 1 RB



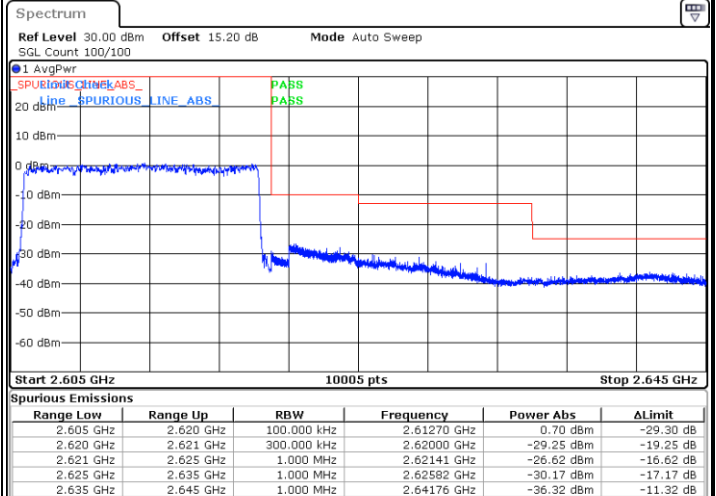
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



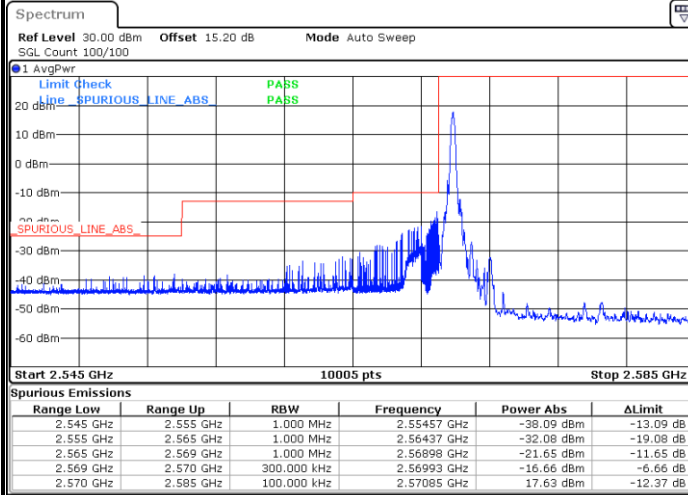
Highest Band Edge / Full RB



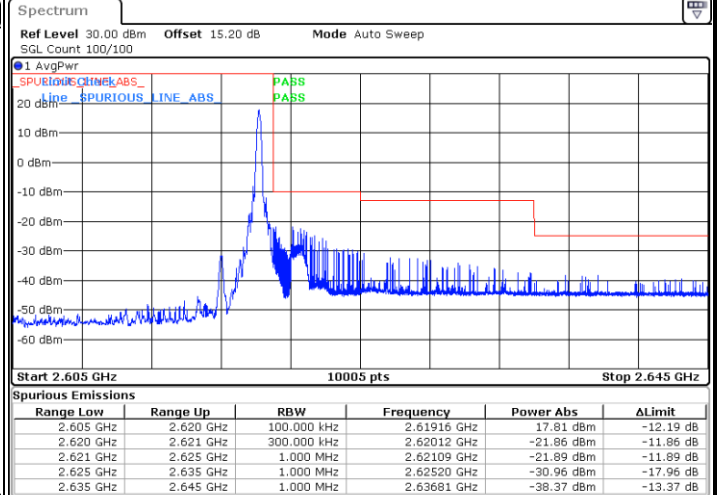


LTE Band 38 / 15MHz / 16QAM

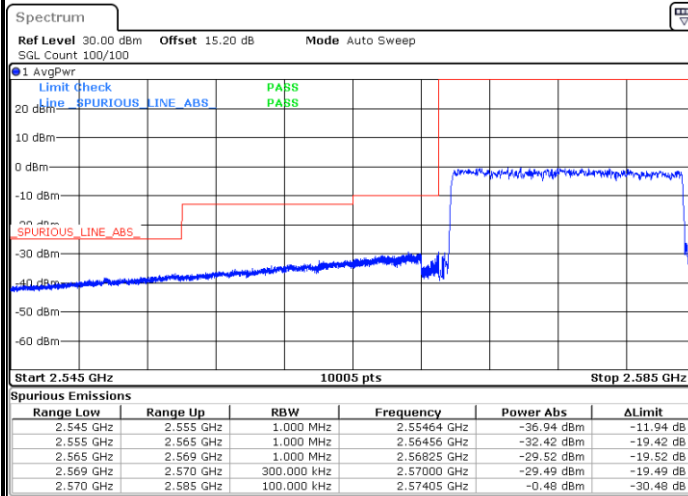
Lowest Band Edge / 1 RB



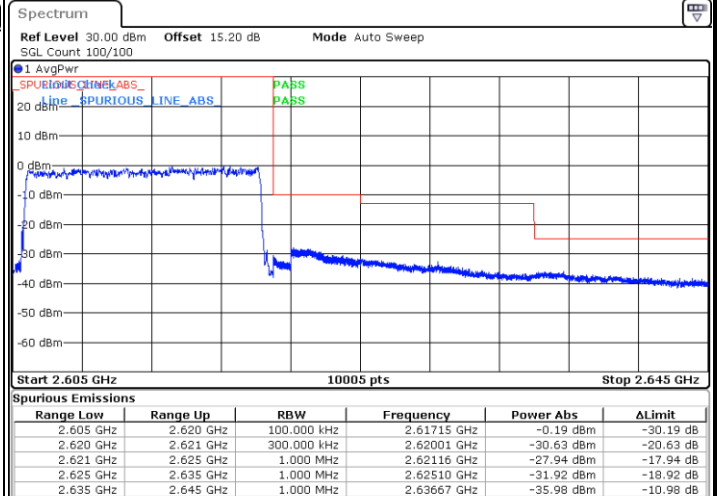
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



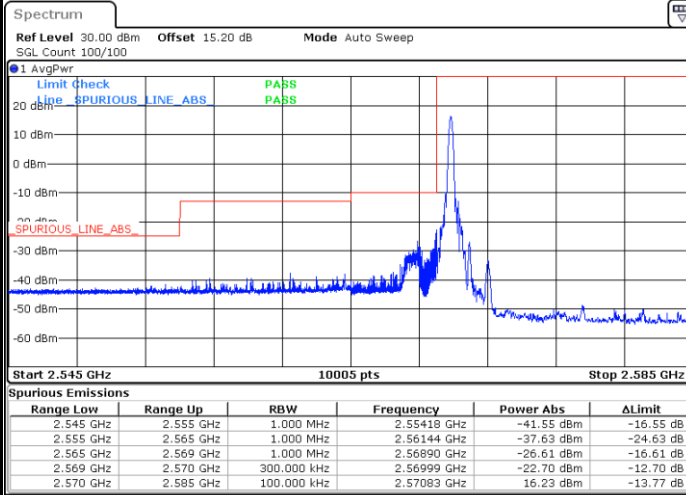
Highest Band Edge / Full RB



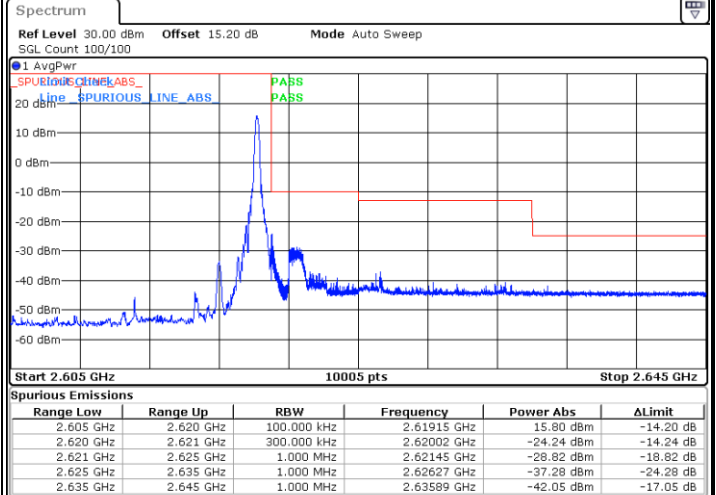


LTE Band 38 / 15MHz / 64QAM

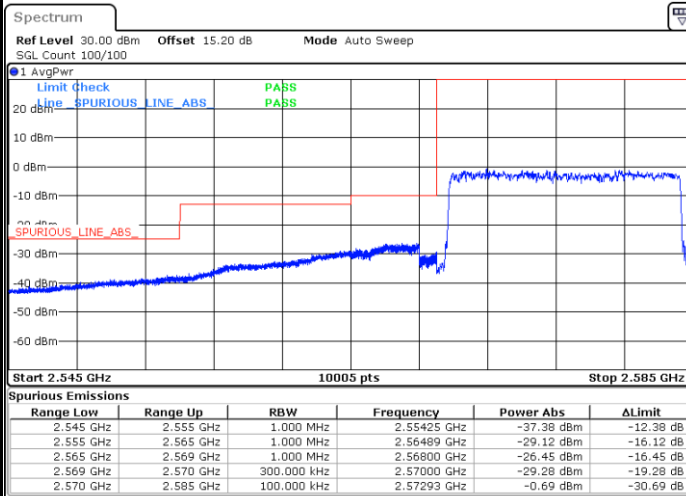
Lowest Band Edge / 1 RB



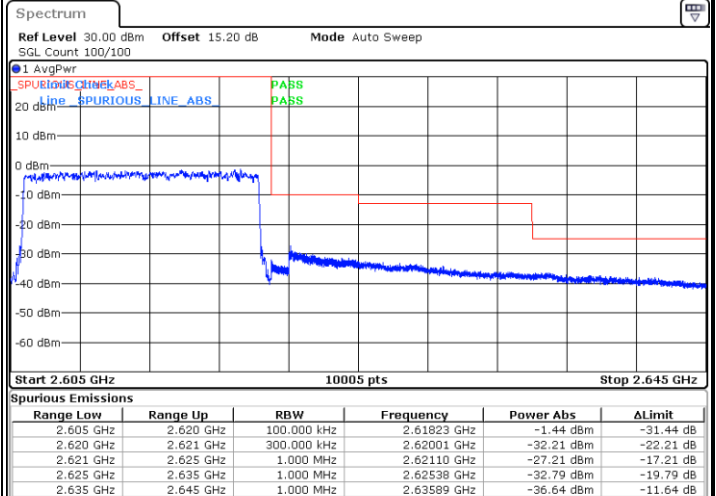
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



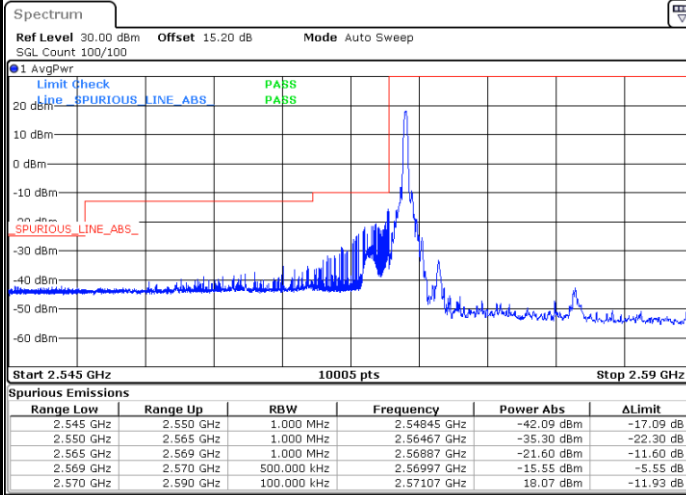
Highest Band Edge / Full RB



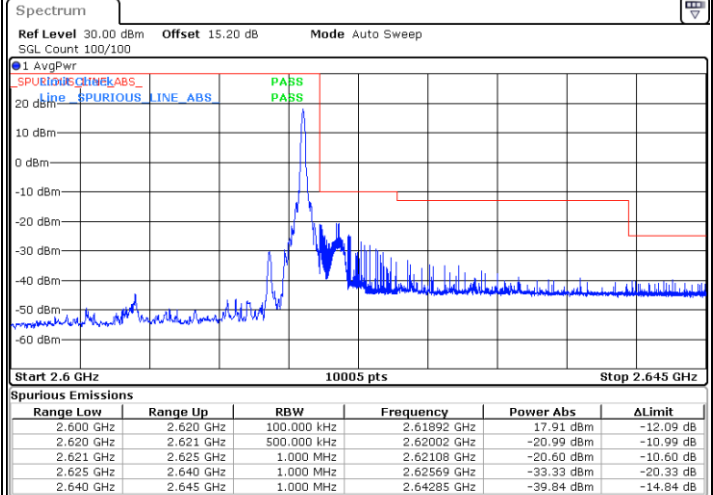


LTE Band 38 / 20MHz / QPSK

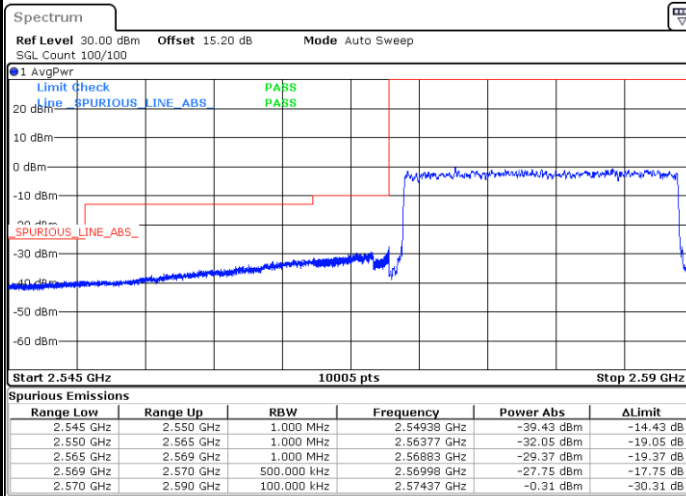
Lowest Band Edge / 1 RB



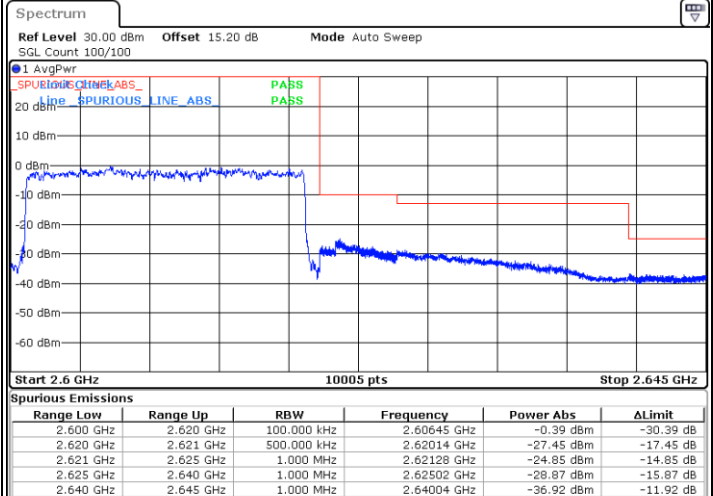
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



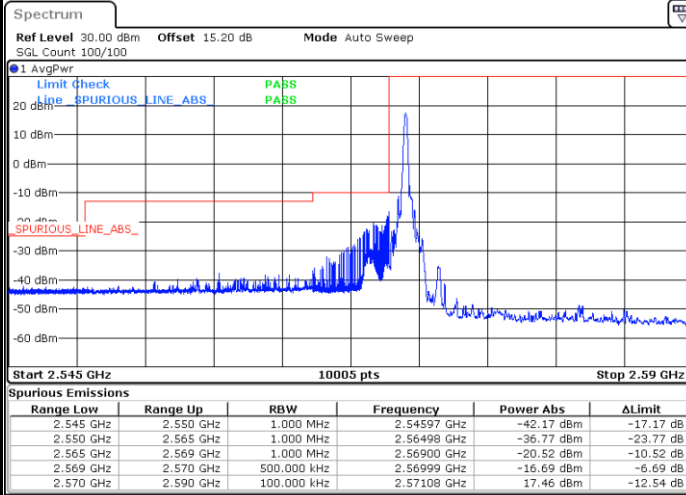
Highest Band Edge / Full RB



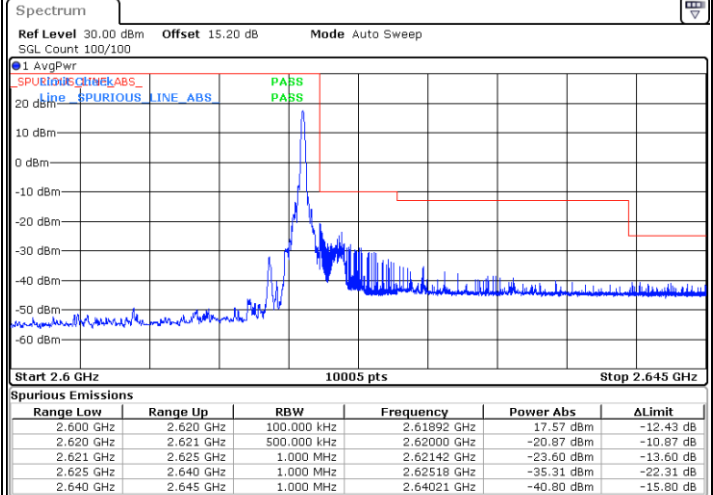


LTE Band 38 / 20MHz / 16QAM

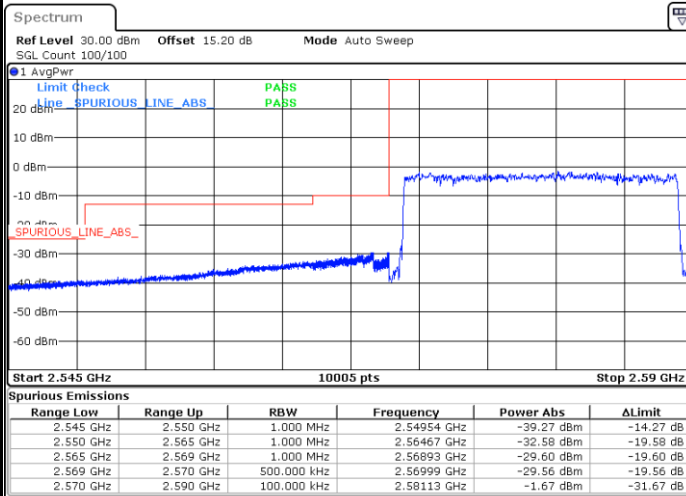
Lowest Band Edge / 1 RB



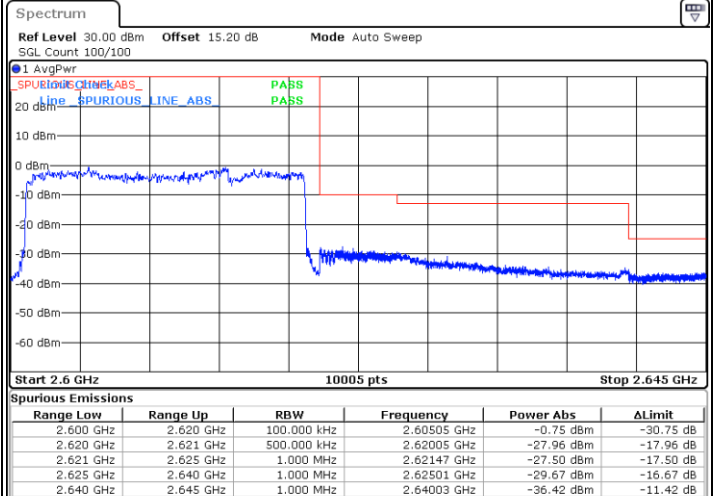
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



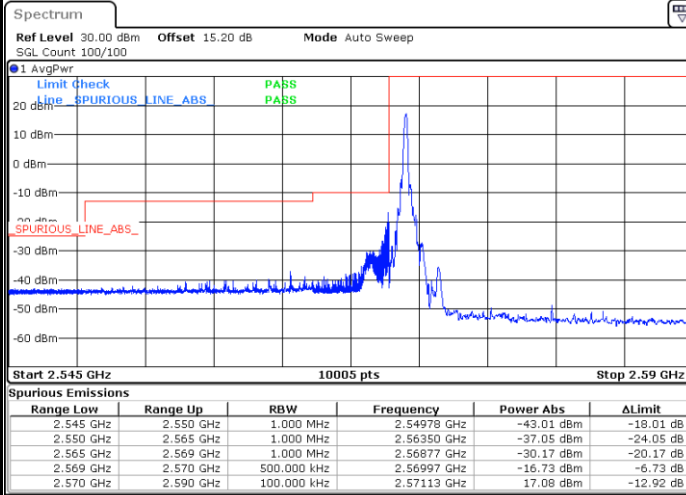
Highest Band Edge / Full RB



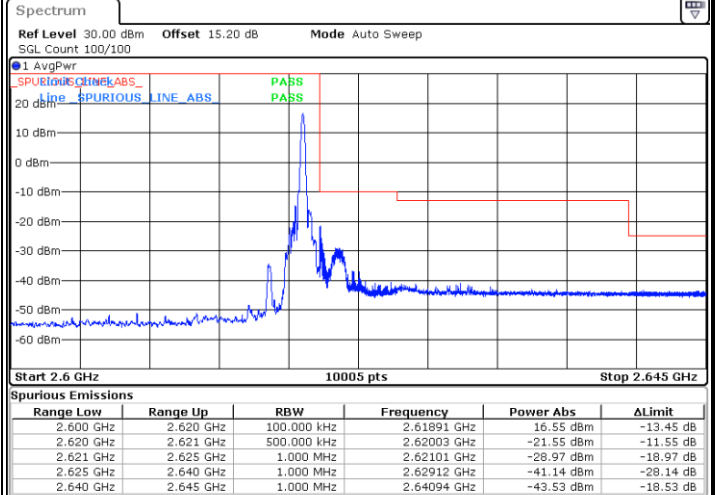


LTE Band 38 / 20MHz / 64QAM

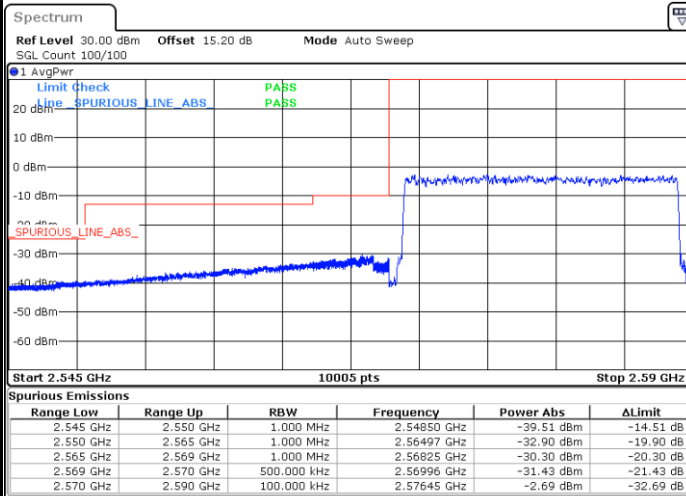
Lowest Band Edge / 1 RB



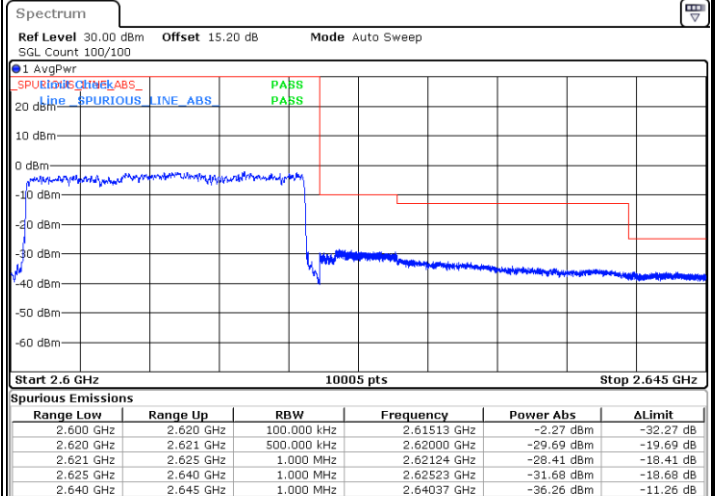
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

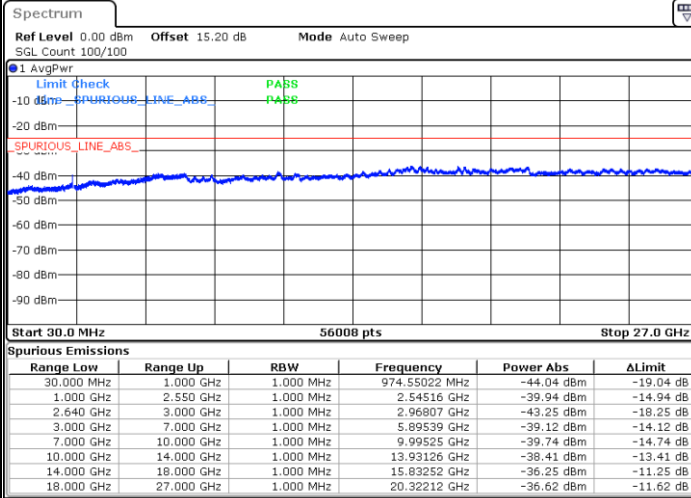




Conducted Spurious Emission

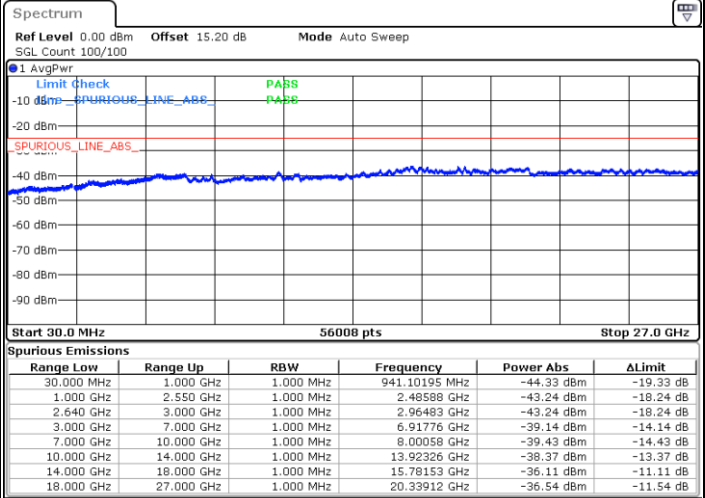
LTE Band 38 / 5MHz

Lowest Channel / QPSK



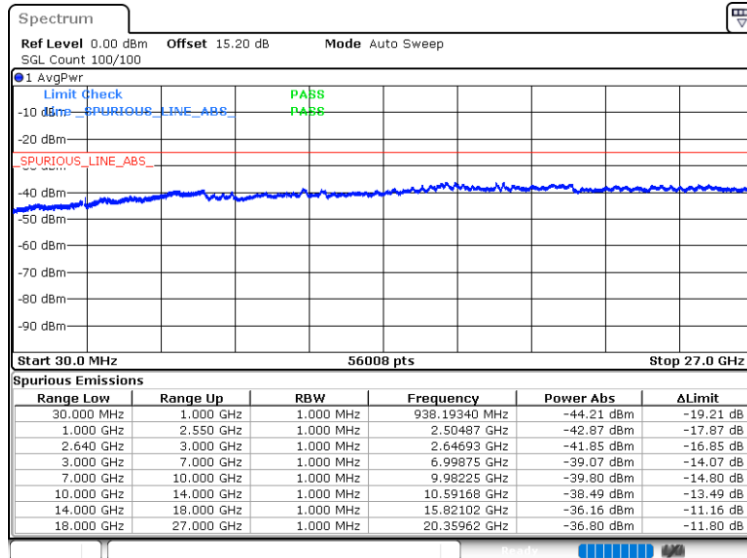
Date: 18.MAY.2021 15:50:41

Middle Channel / QPSK



Date: 18.MAY.2021 15:51:42

Highest Channel / QPSK

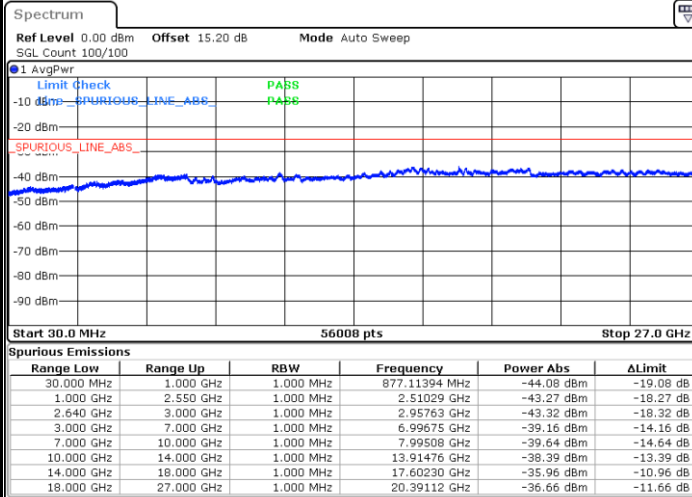


Date: 18.MAY.2021 15:52:43



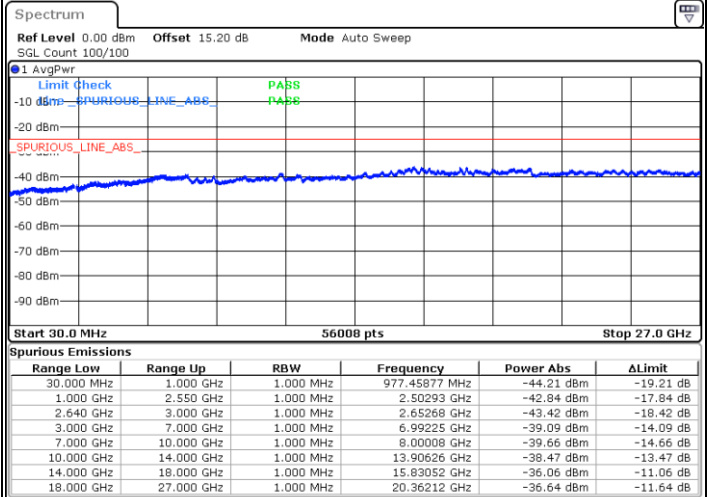
LTE Band 38 / 10MHz

Lowest Channel / QPSK



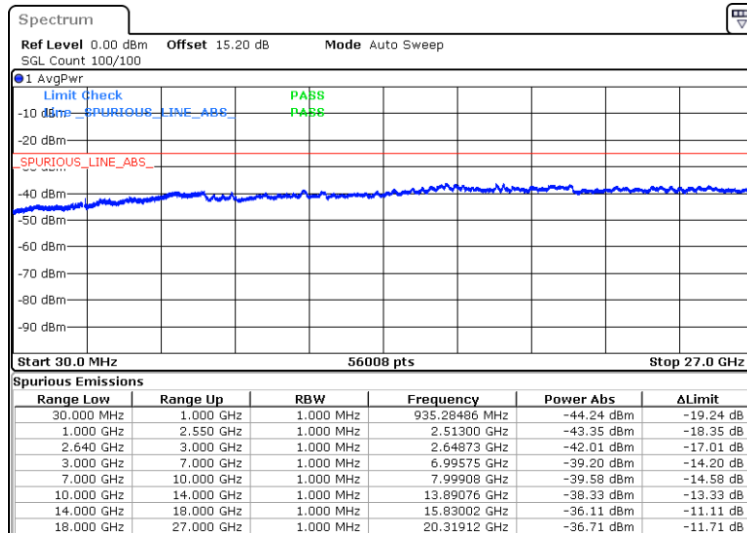
Date: 18.MAY.2021 15:53:44

Middle Channel / QPSK



Date: 18.MAY.2021 15:54:45

Highest Channel / QPSK

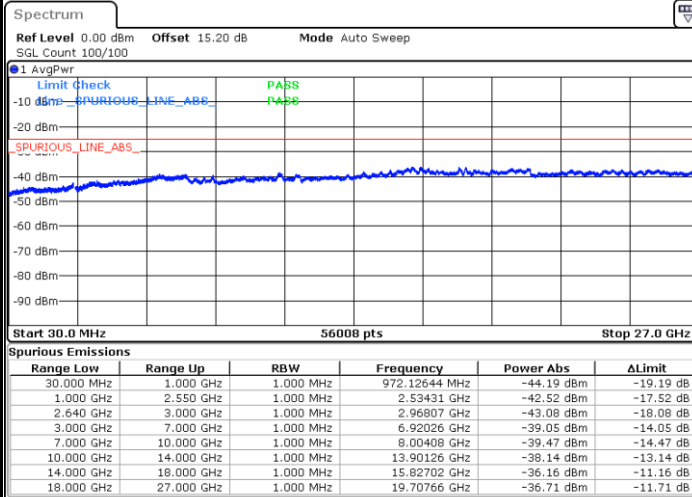


Date: 18.MAY.2021 15:55:46



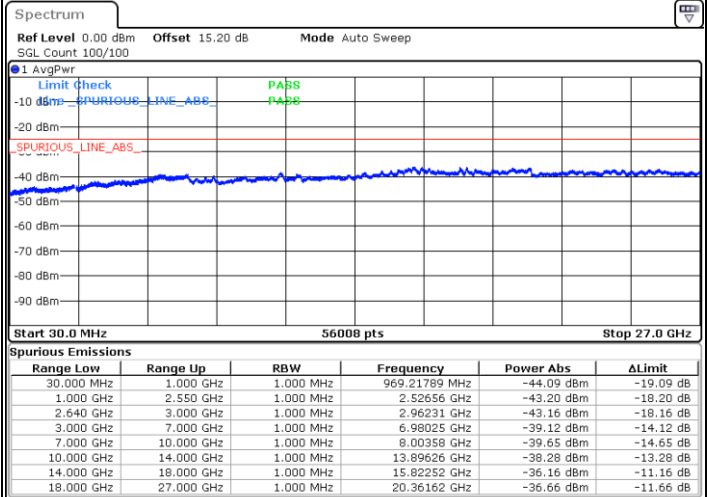
LTE Band 38 / 15MHz

Lowest Channel / QPSK



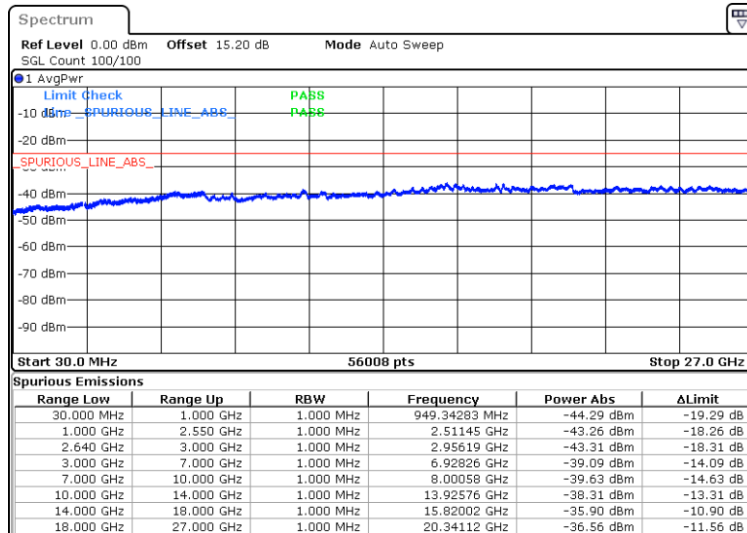
Date: 18.MAY.2021 15:56:48

Middle Channel / QPSK



Date: 18.MAY.2021 15:57:49

Highest Channel / QPSK



Date: 18.MAY.2021 15:58:50