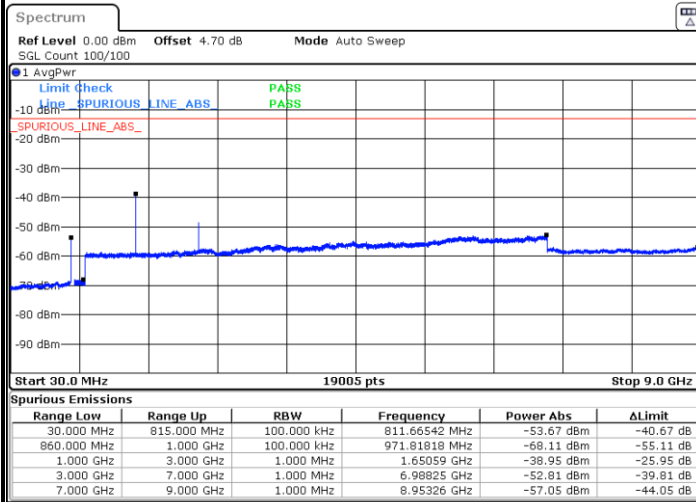




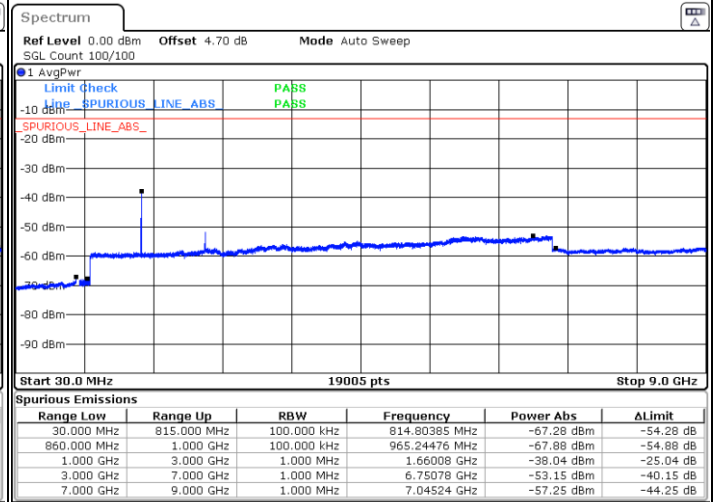
LTE Band 26 / 15MHz

Lowest Channel / QPSK



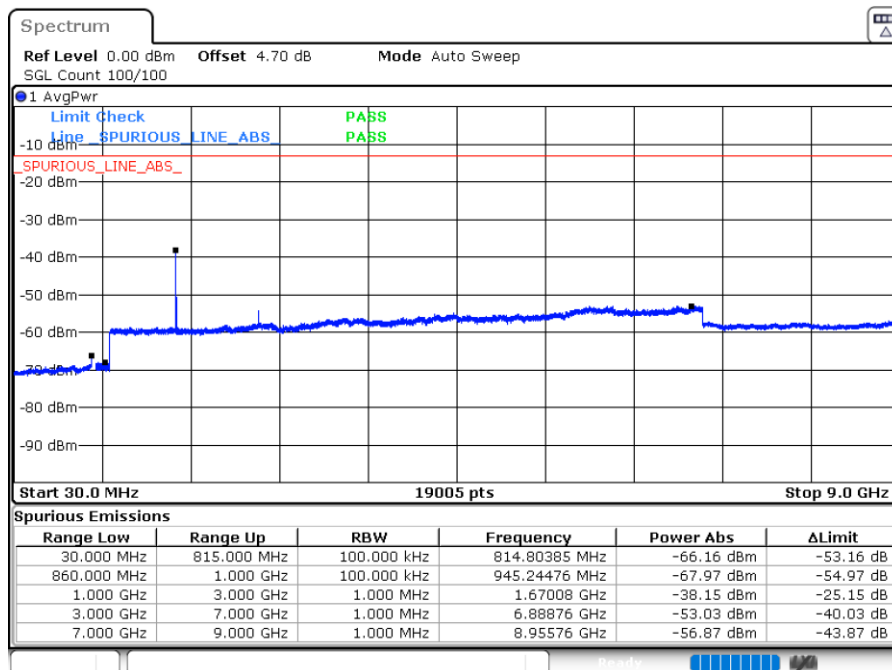
Date: 21.JAN.2022 15:49:54

Middle Channel / QPSK



Date: 21.JAN.2022 16:02:19

Highest Channel / QPSK

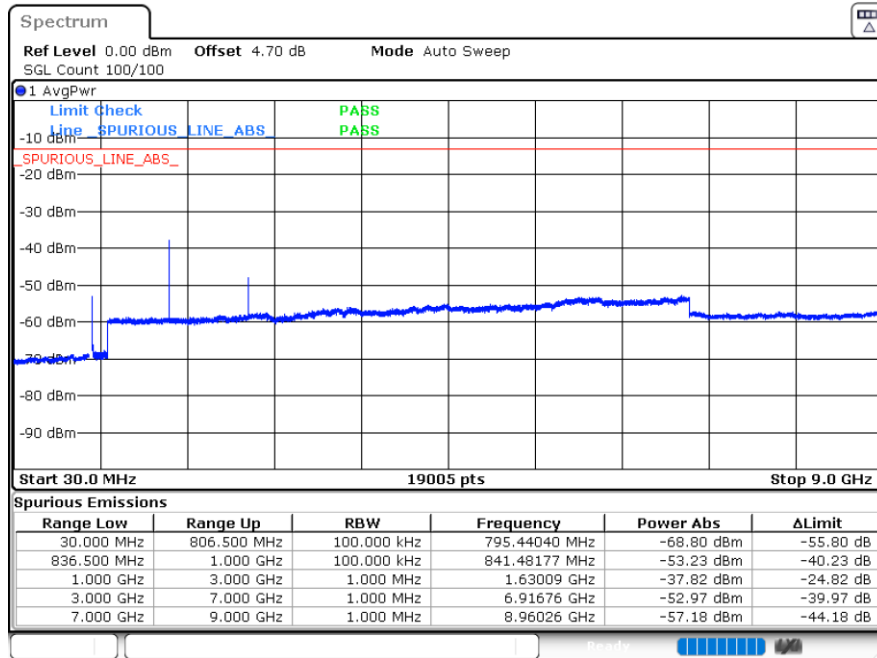


Date: 21.JAN.2022 16:04:40



LTE Band 26 / 15MHz

Channel 26765 / QPSK



Date: 21.JAN.2022 13:12:17

**Frequency Stability**

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	2.5ppm
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0025	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0021	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0018	
-20	Normal Voltage	0.0026	
-30	Normal Voltage	0.0005	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0004	

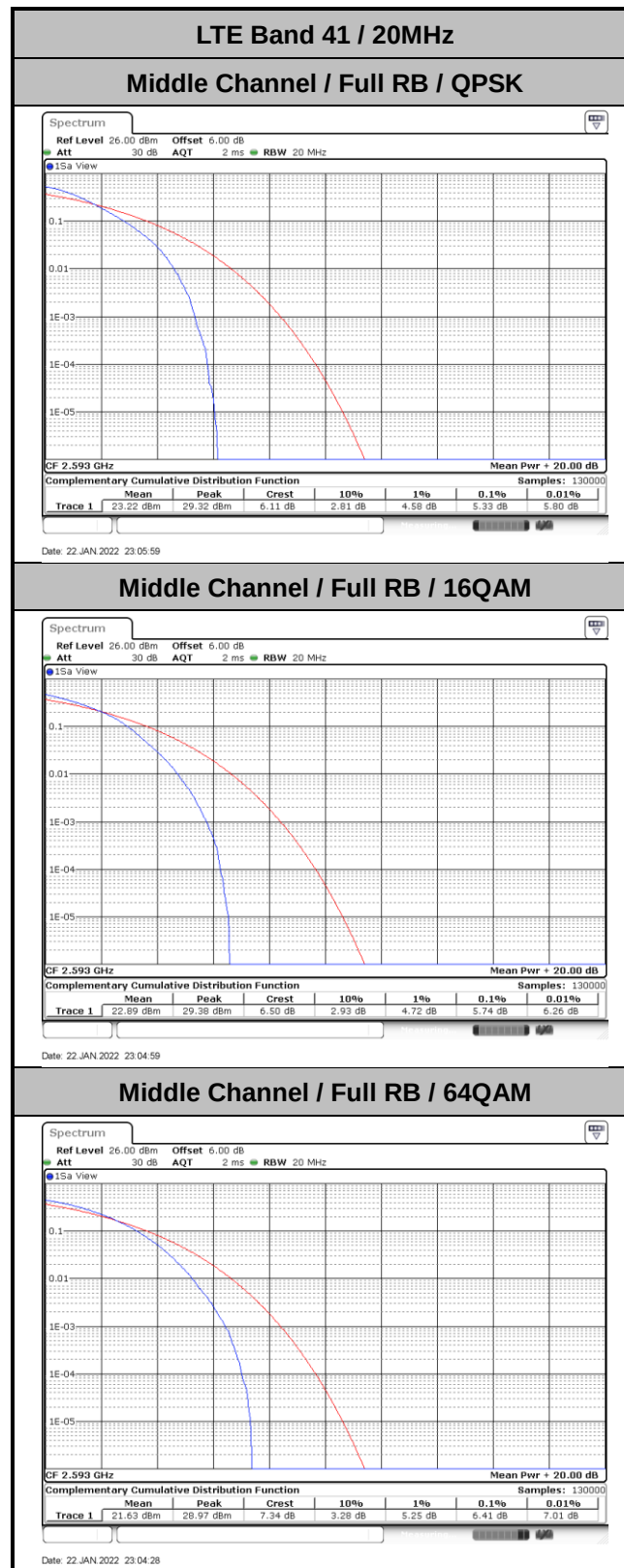
Note: Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.



LTE Band 41

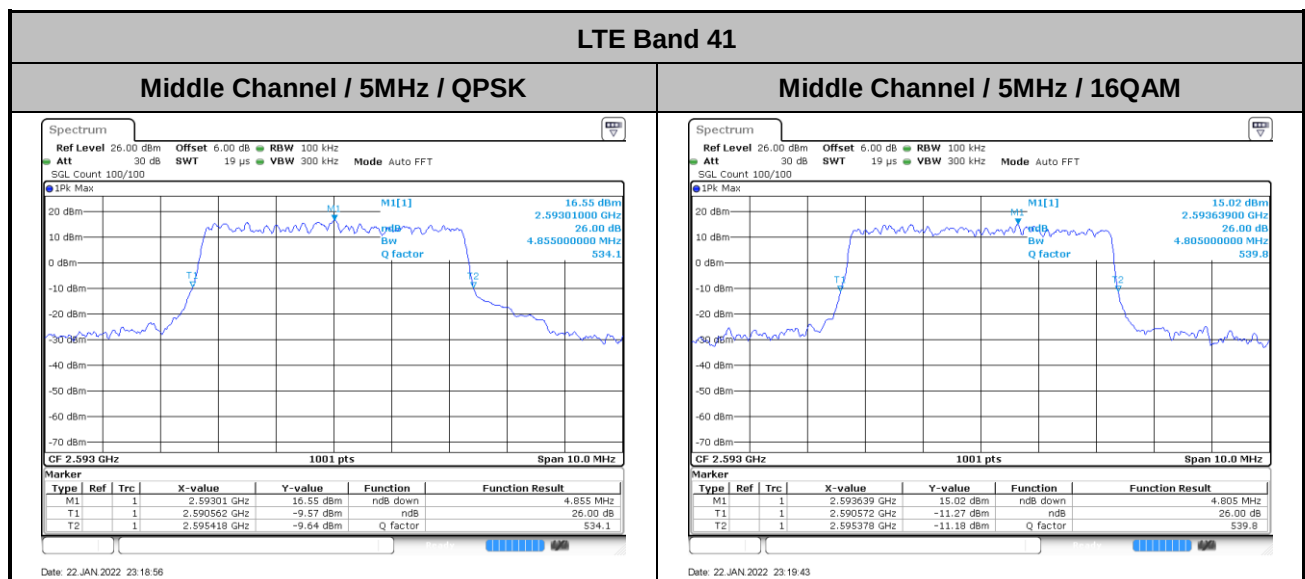
Peak-to-Average Ratio

Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.33	5.74	6.41	PASS



**26dB Bandwidth**

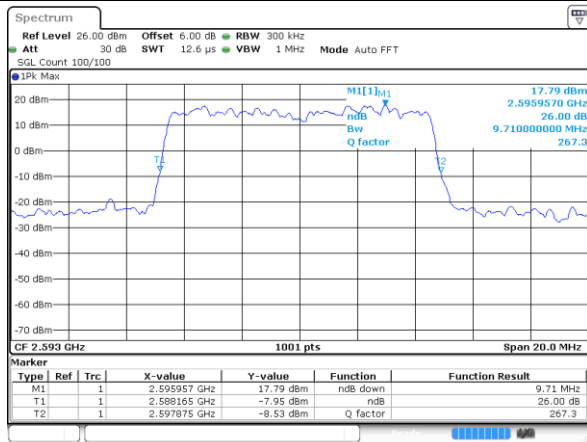
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.86	4.81
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.71	9.63
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.15	14.48
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	20.18	20.06





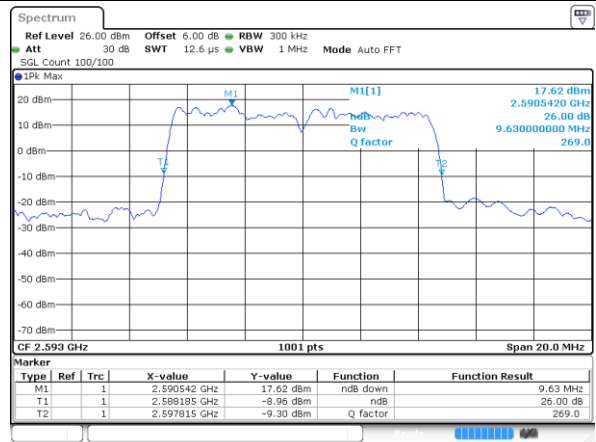
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 22 JAN 2022 23:22:57

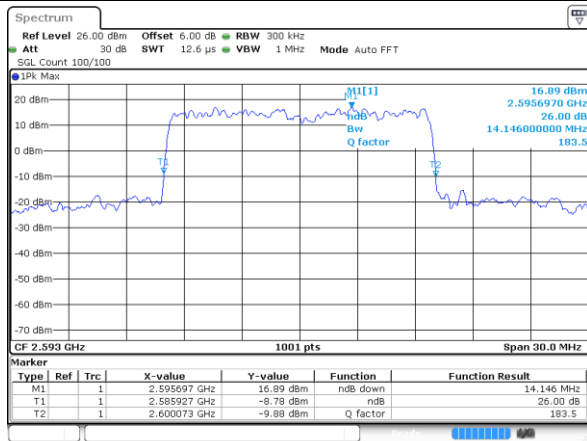
Middle Channel / 10MHz / 16QAM



Date: 22 JAN 2022 23:21:27

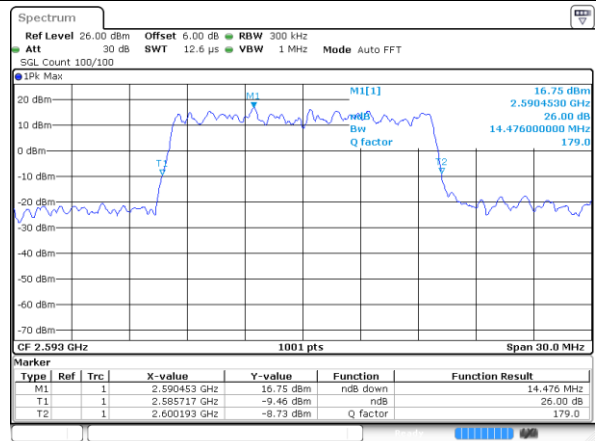
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 22 JAN 2022 23:25:00

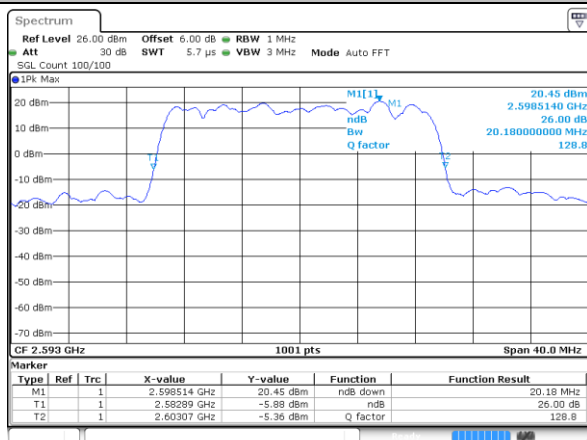
Middle Channel / 15MHz / 16QAM



Date: 22 JAN 2022 23:26:23

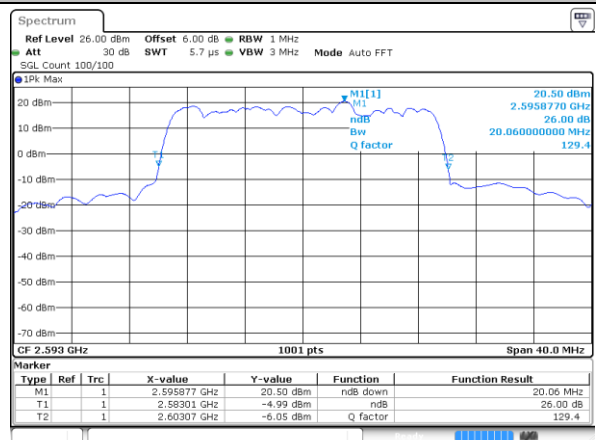
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 22 JAN 2022 22:59:09

Middle Channel / 20MHz / 16QAM

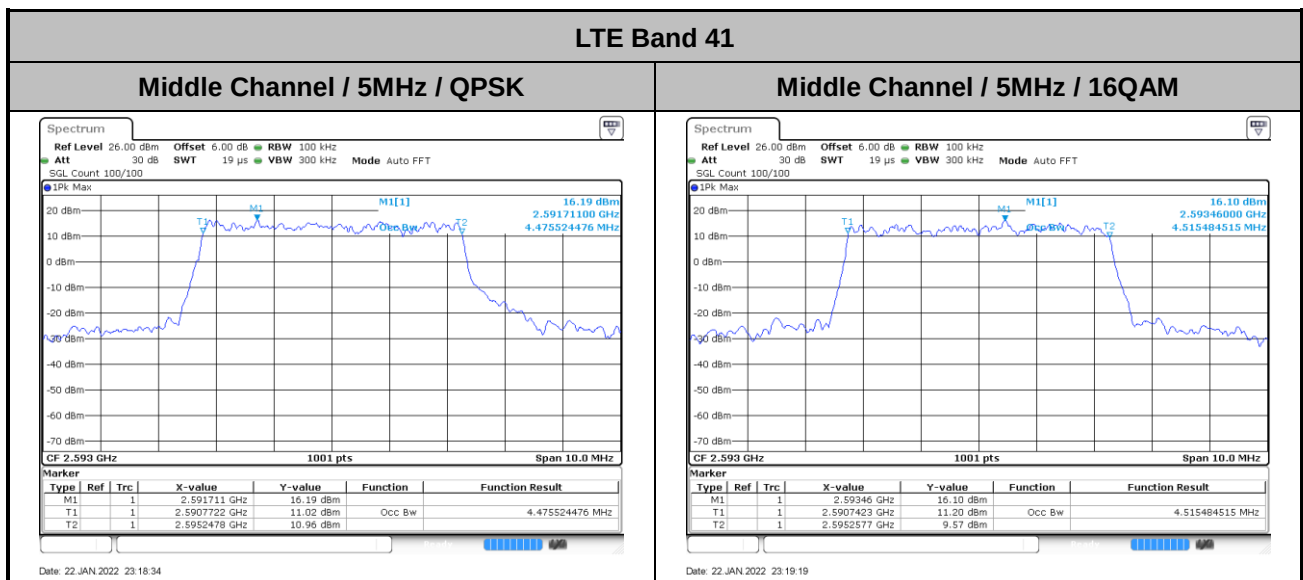


Date: 22 JAN 2022 23:00:14



Occupied Bandwidth

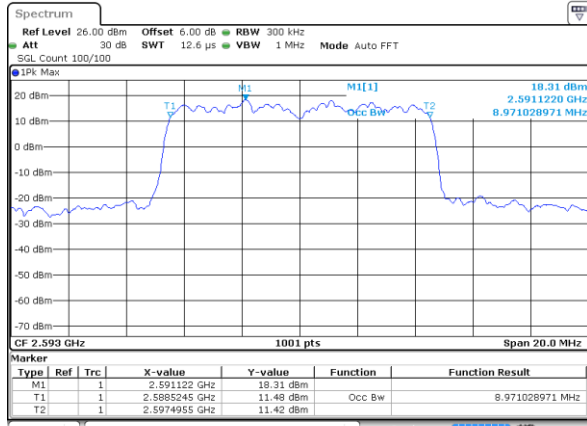
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.52
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.97	9.05
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.61
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.62	18.30





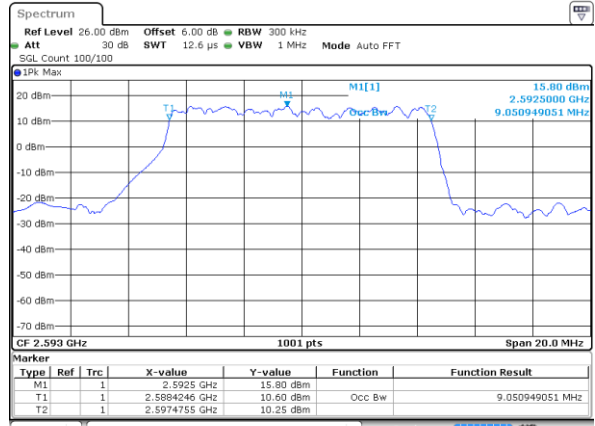
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 22 JAN 2022 23:22:05

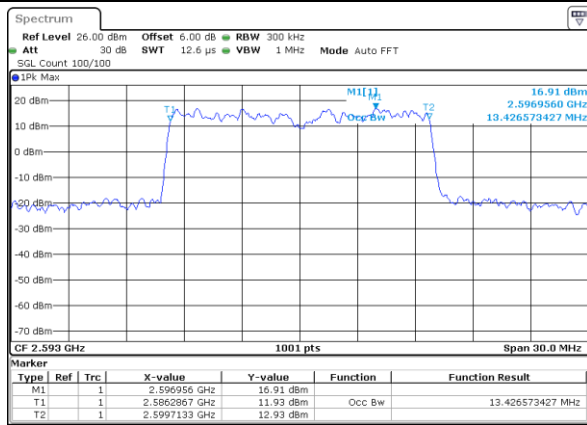
Middle Channel / 10MHz / 16QAM



Date: 22 JAN 2022 23:21:03

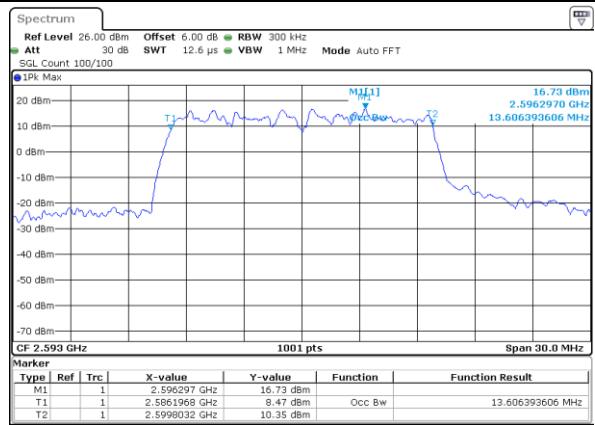
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 22 JAN 2022 23:24:32

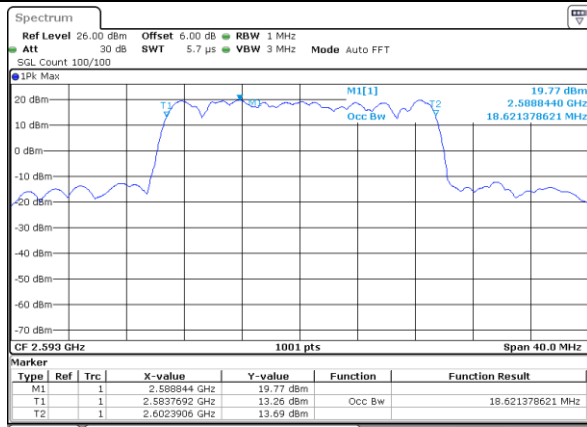
Middle Channel / 15MHz / 16QAM



Date: 22 JAN 2022 23:25:22

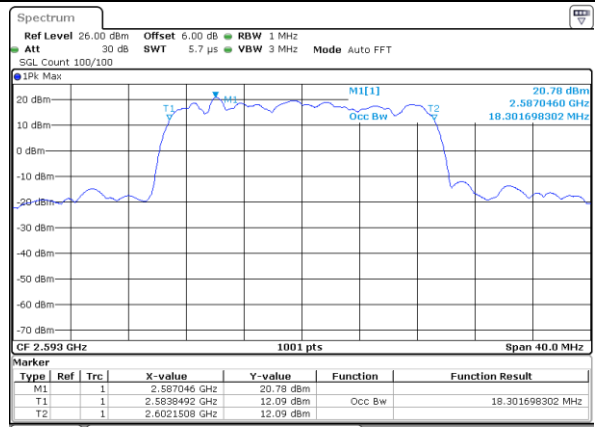
LTE Band 41

Middle Channel / 20MHz / QPSK

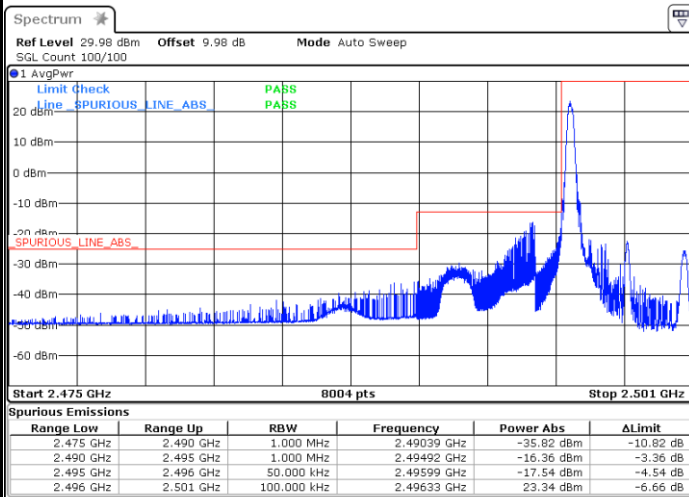
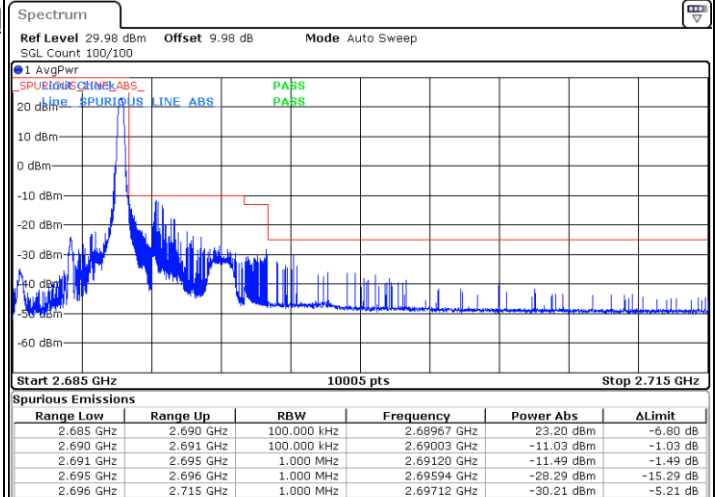
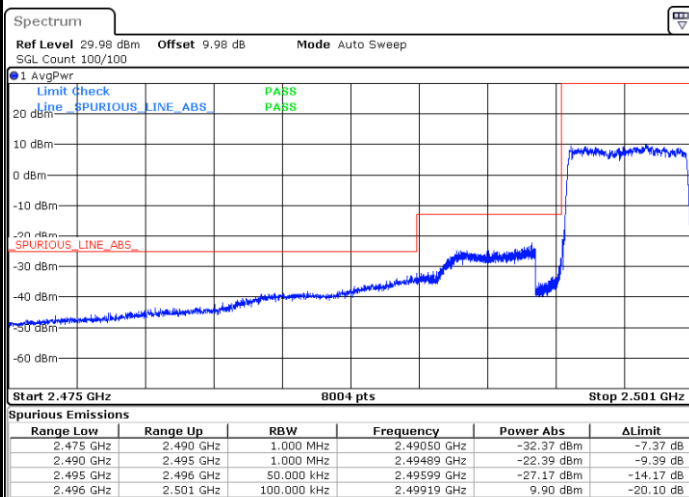
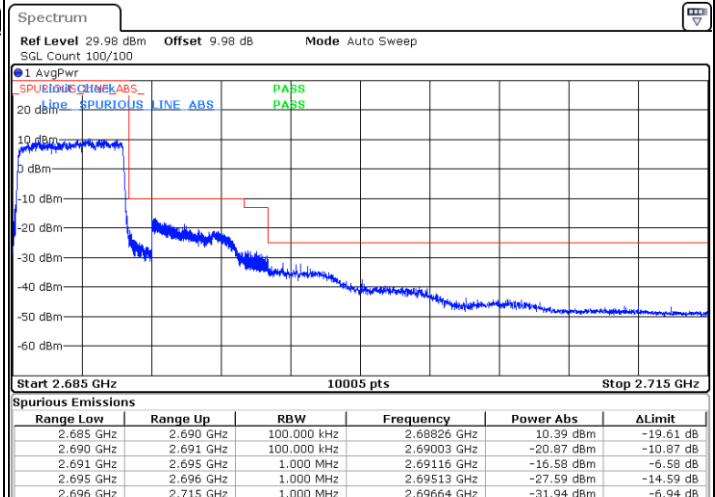


Date: 22 JAN 2022 22:59:32

Middle Channel / 20MHz / 16QAM



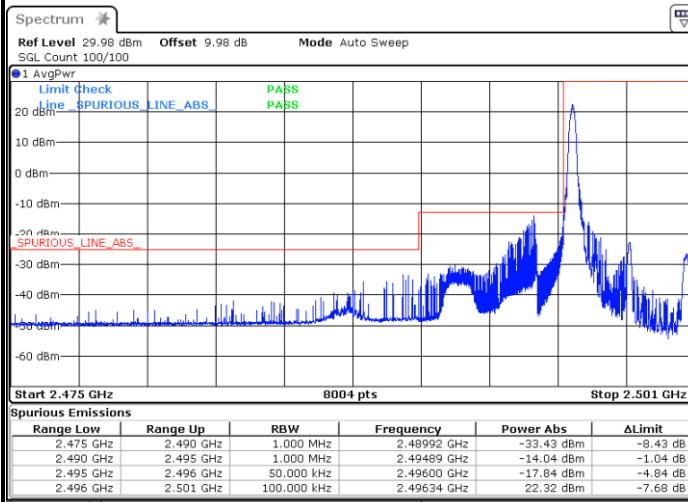
Date: 22 JAN 2022 22:59:53

**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**



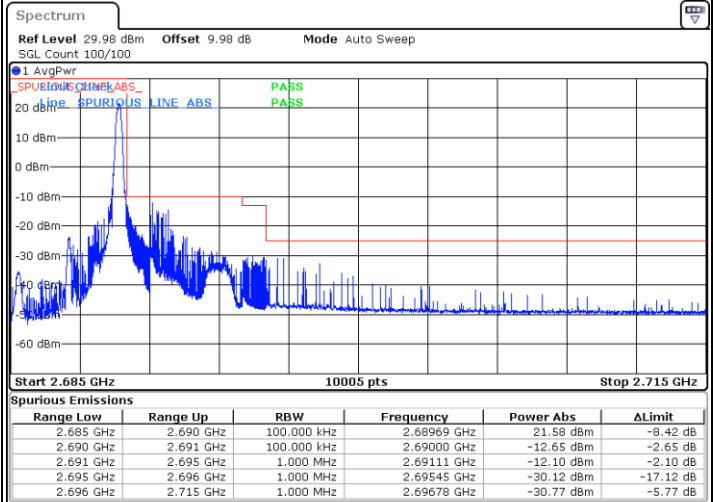
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



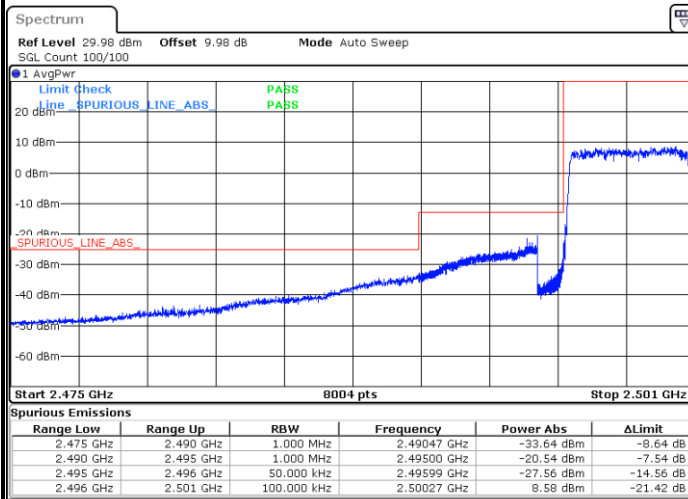
Date: 22 JAN 2022 23:10:46

Highest Band Edge / 1 RB



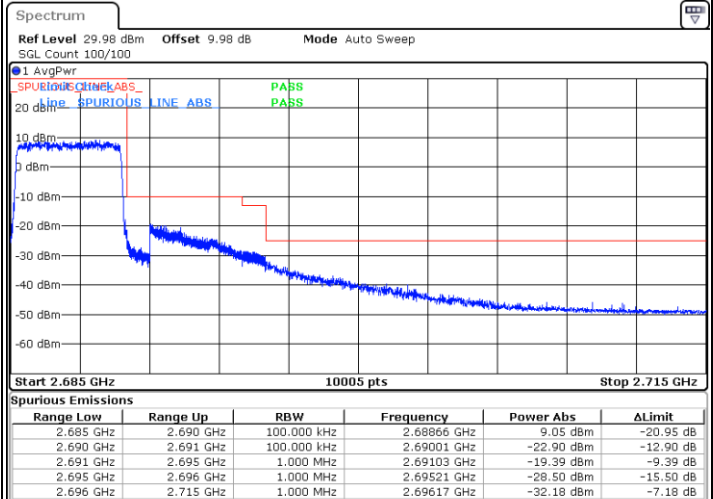
Date: 22 JAN 2022 21:32:37

Lowest Band Edge / Full RB



Date: 22 JAN 2022 21:24:07

Highest Band Edge / Full RB

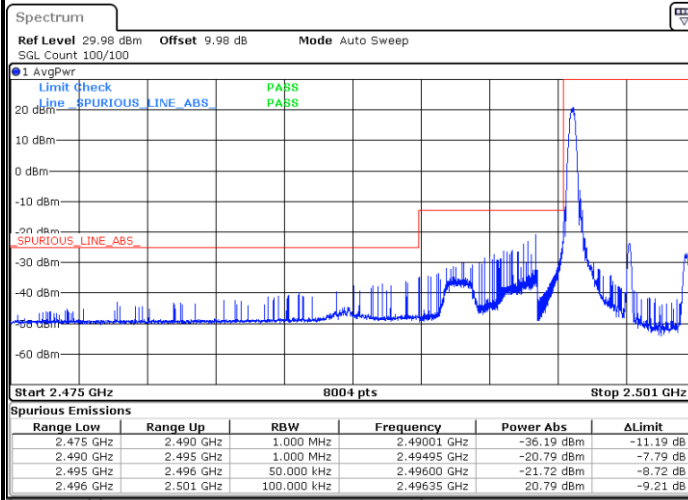


Date: 22 JAN 2022 21:37:45

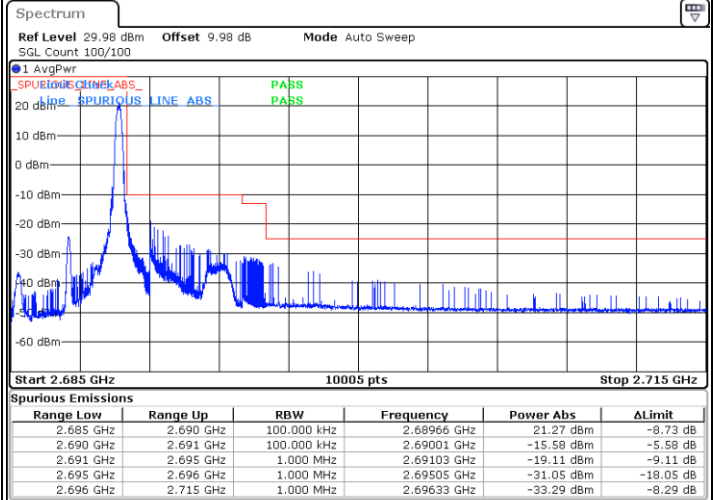


LTE Band 41 / 5MHz / 64QAM

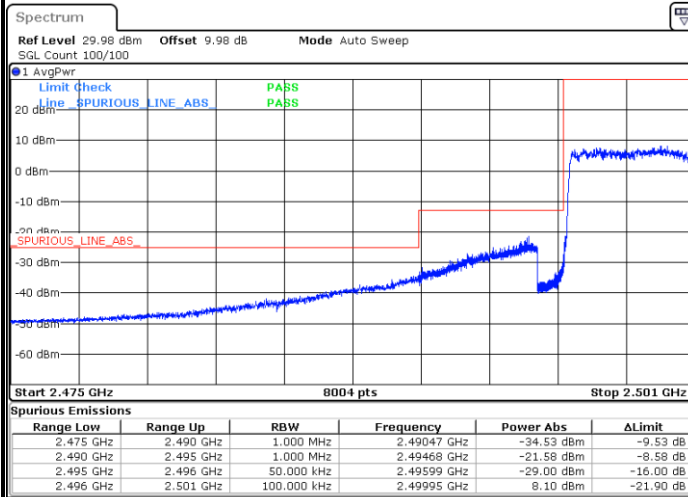
Lowest Band Edge / 1RB



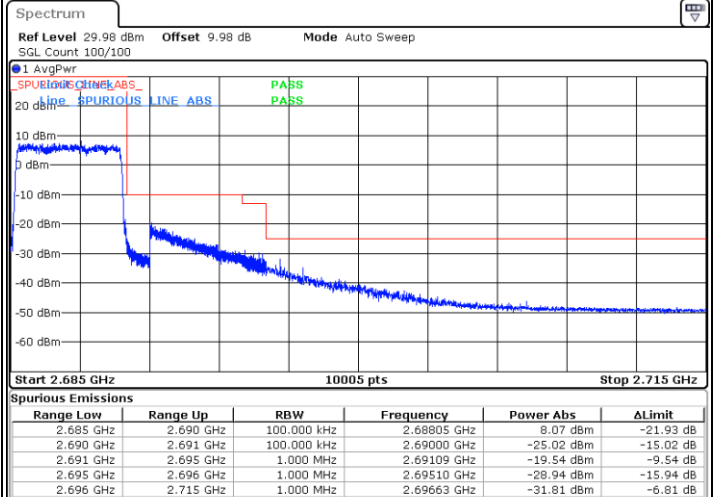
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



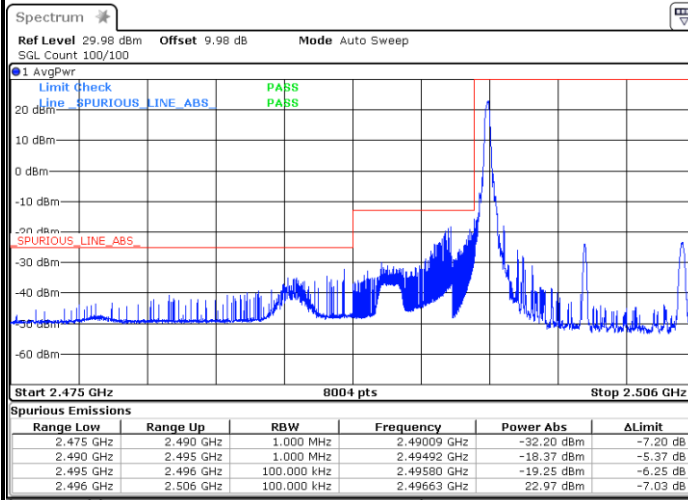
Highest Band Edge / Full RB



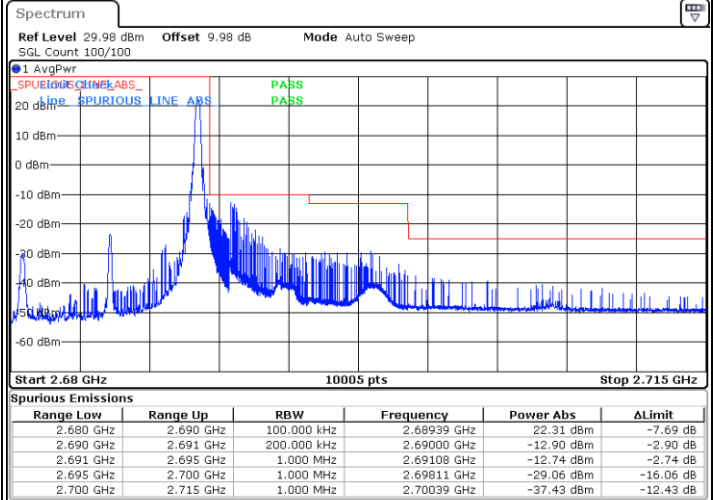


LTE Band 41 / 10MHz / QPSK

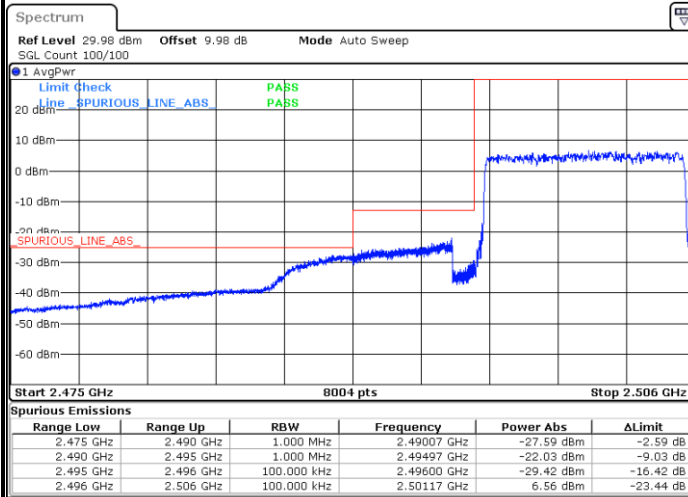
Lowest Band Edge / 1 RB



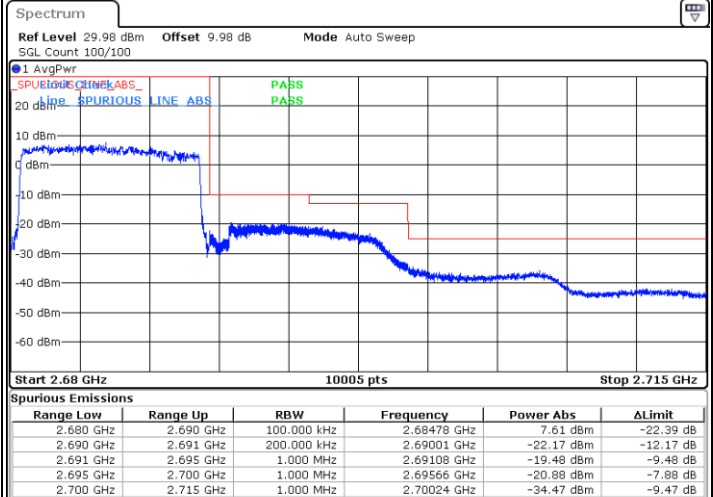
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



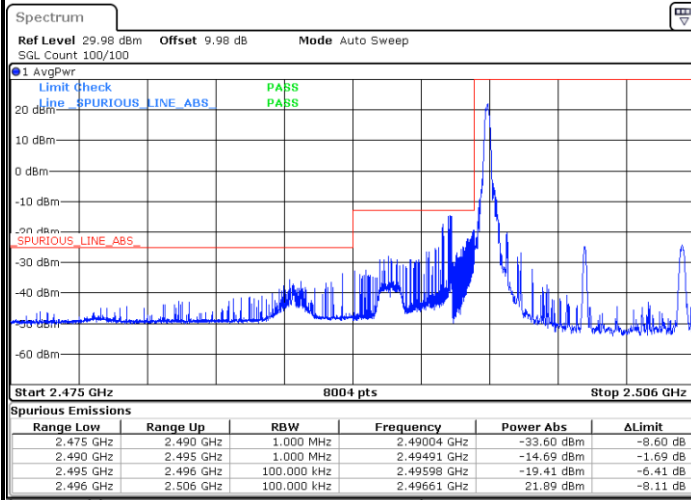
Highest Band Edge / Full RB



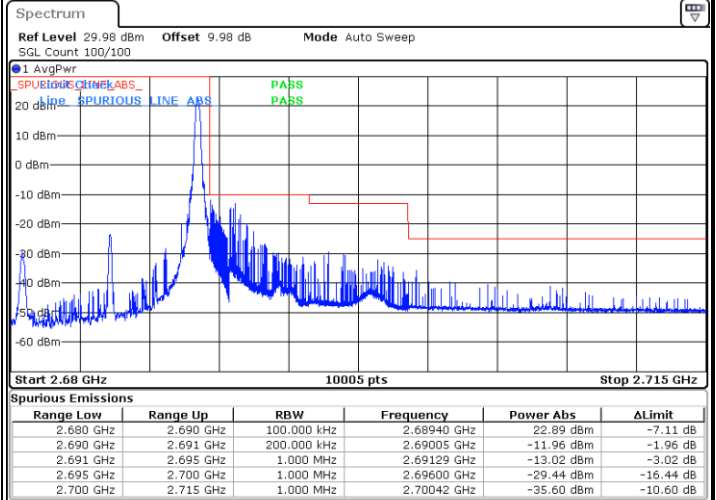


LTE Band 41 / 10MHz / 16QAM

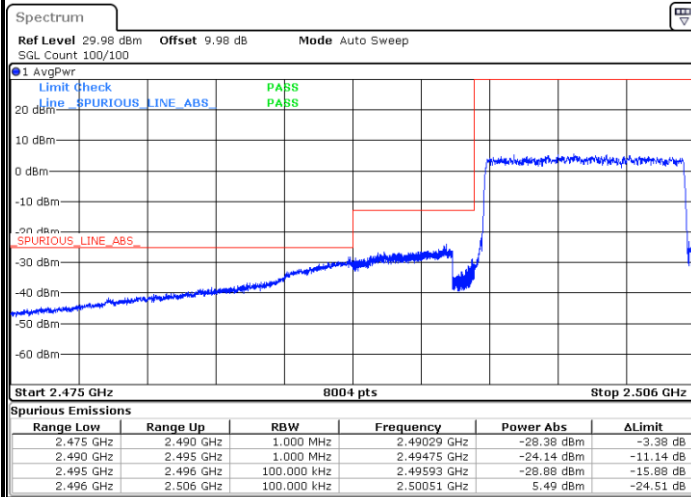
Lowest Band Edge / 1 RB



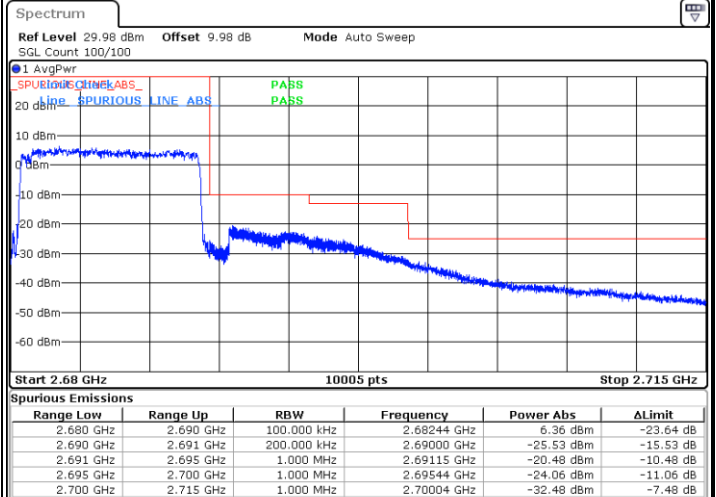
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



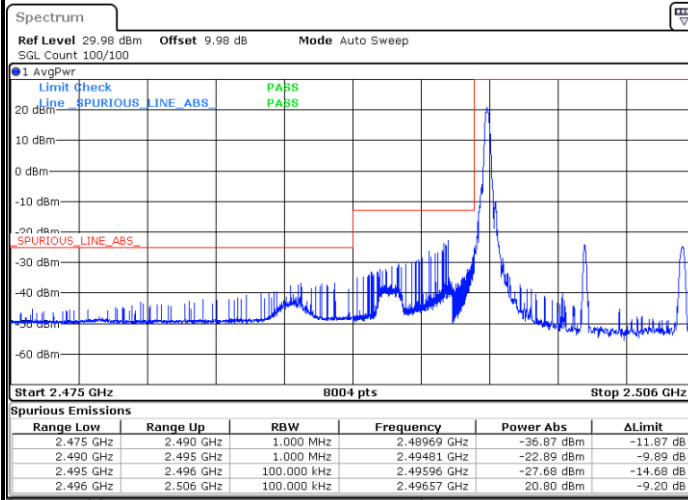
Highest Band Edge / Full RB



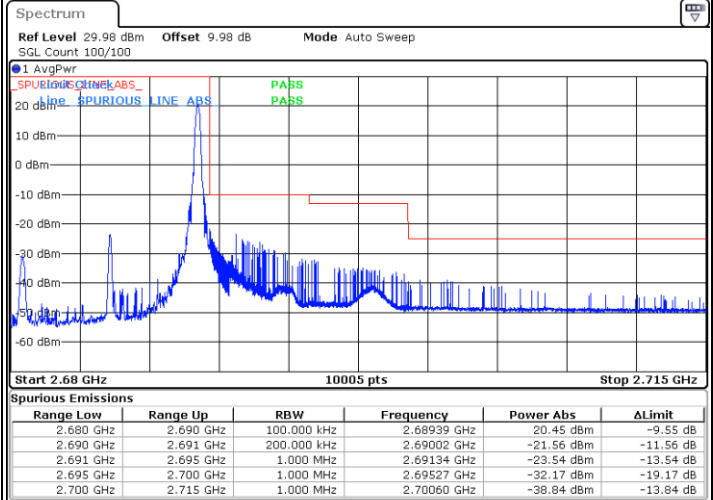


LTE Band 41 / 10MHz / 64QAM

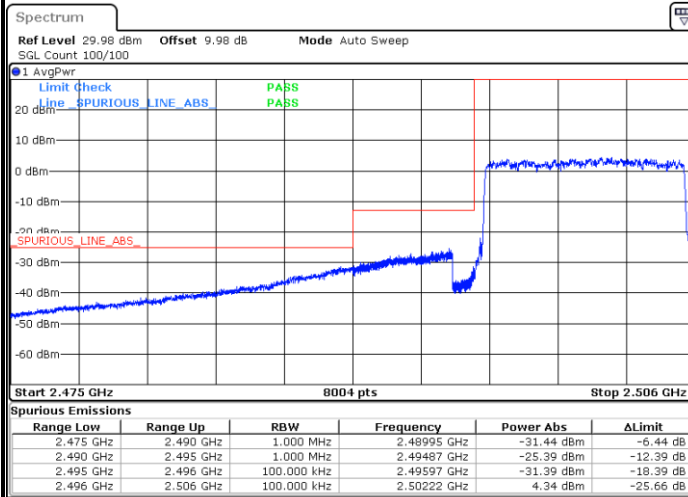
Lowest Band Edge / 1 RB



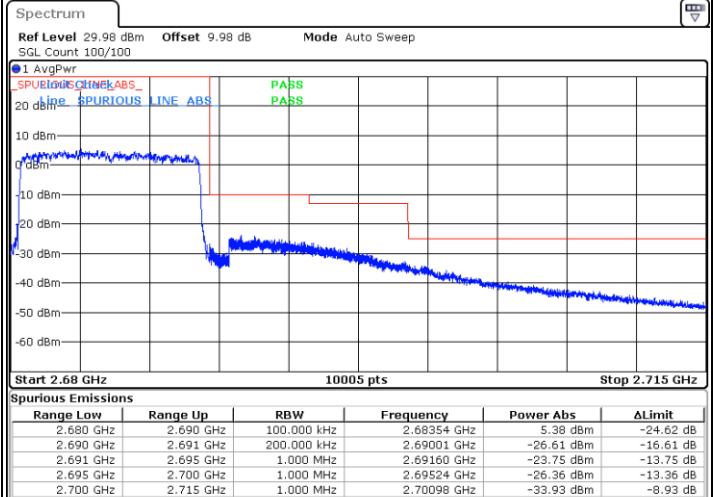
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



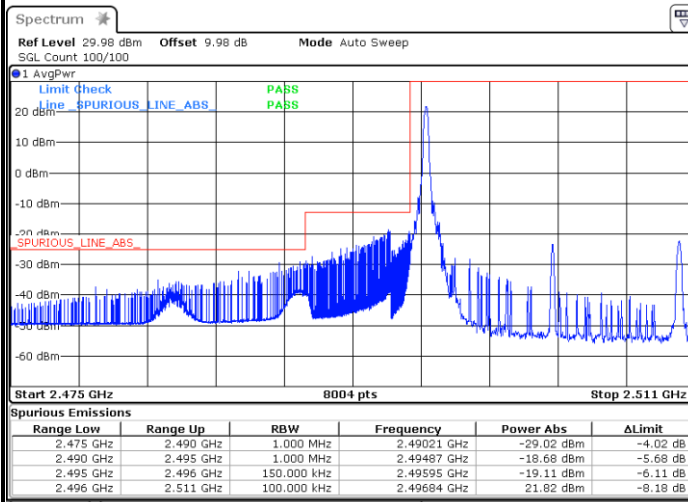
Highest Band Edge / Full RB



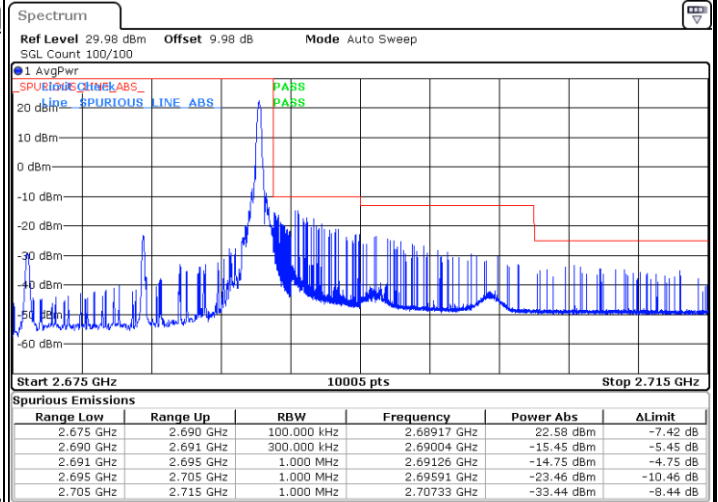


LTE Band 41 / 15MHz / QPSK

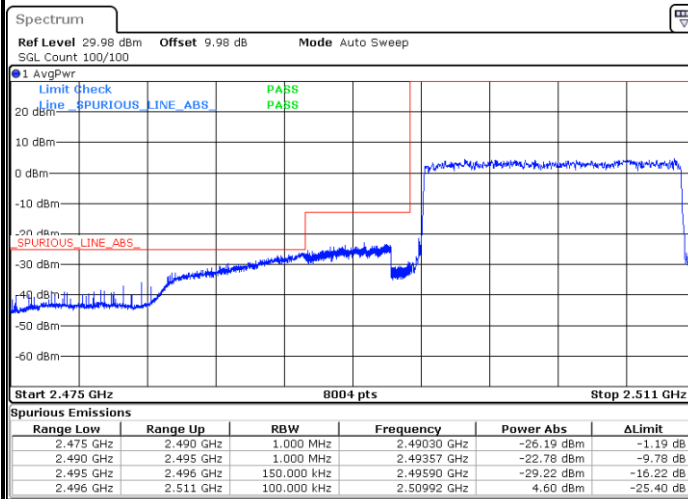
Lowest Band Edge / 1 RB



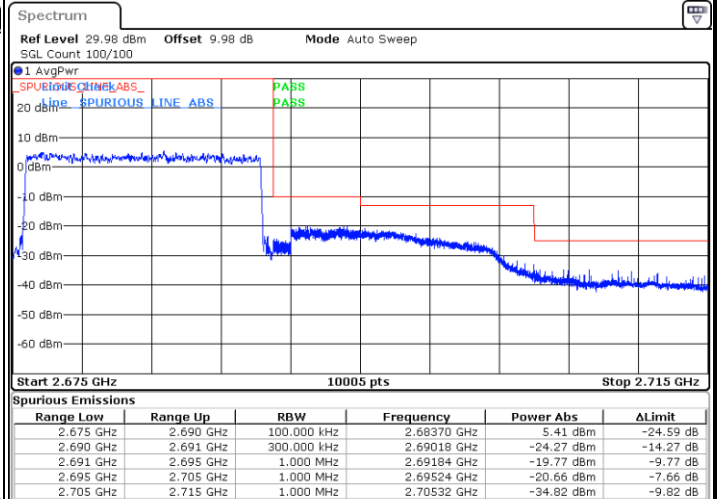
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



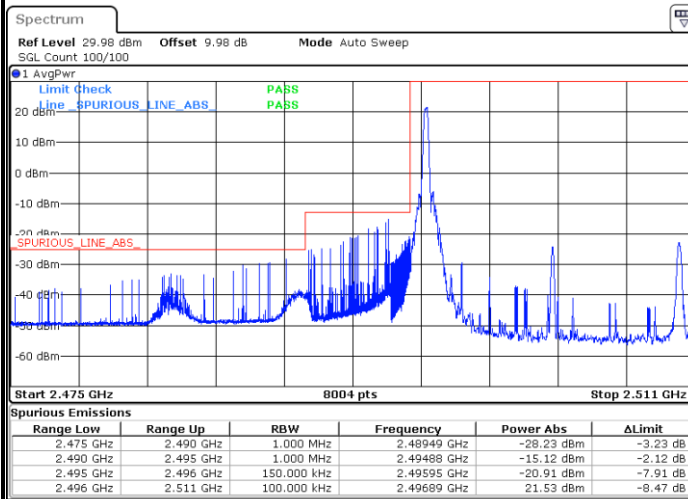
Highest Band Edge / Full RB



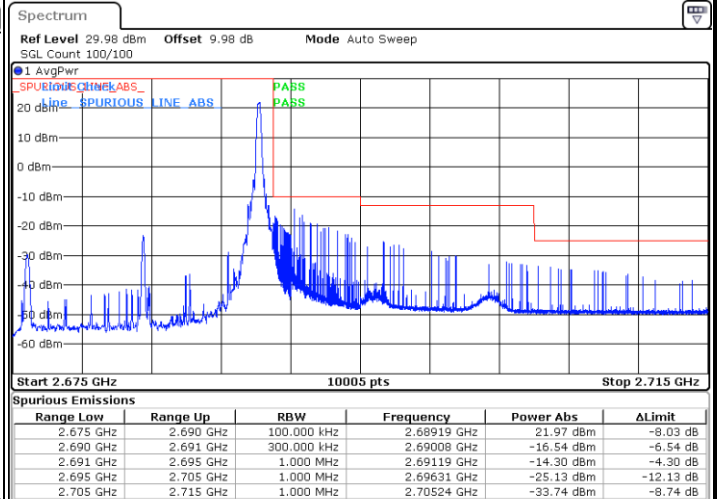


LTE Band 41 / 15MHz / 16QAM

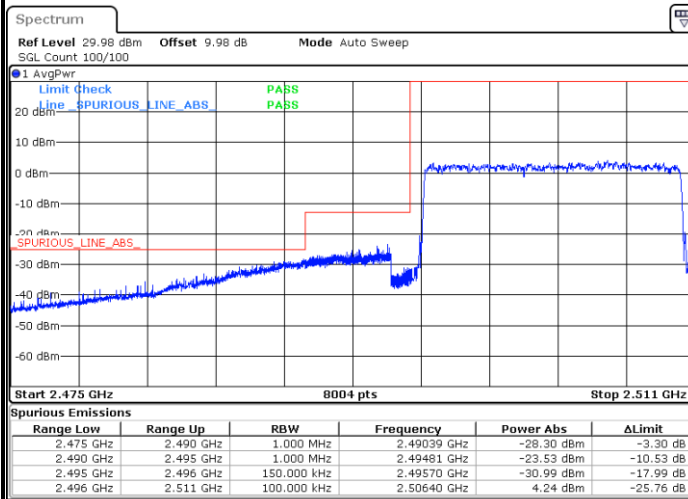
Lowest Band Edge / 1 RB



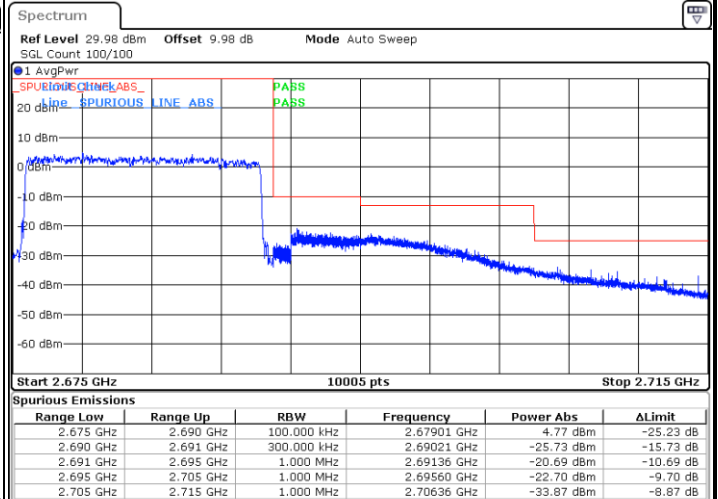
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



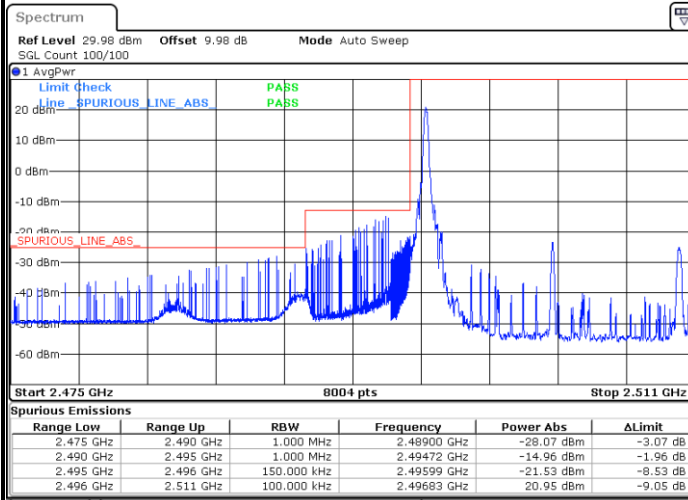
Highest Band Edge / Full RB





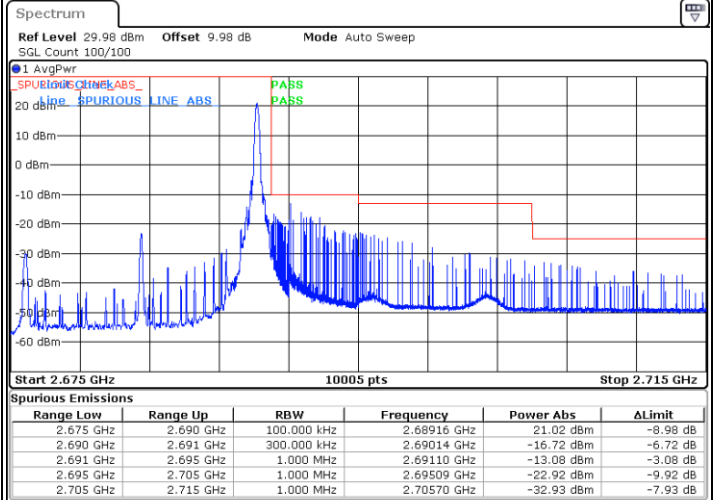
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



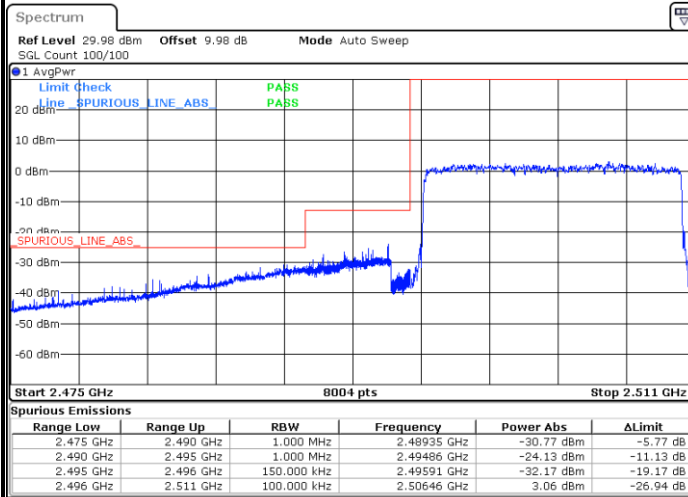
Date: 22 JAN 2022 22:11:52

Highest Band Edge / 1 RB



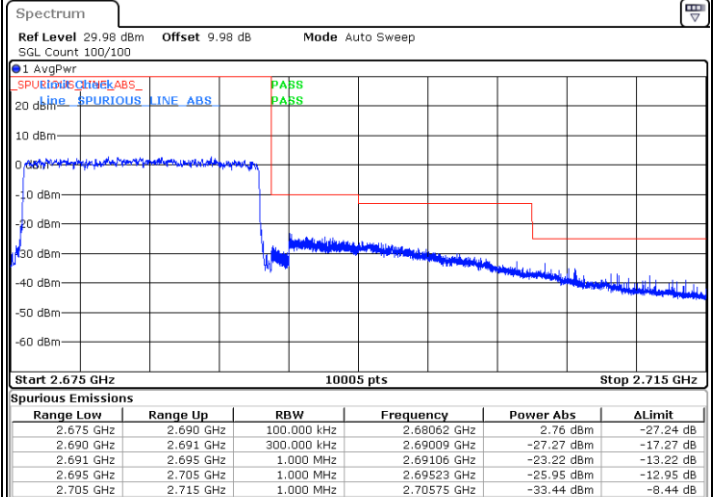
Date: 22 JAN 2022 22:25:30

Lowest Band Edge / Full RB



Date: 22 JAN 2022 22:13:35

Highest Band Edge / Full RB

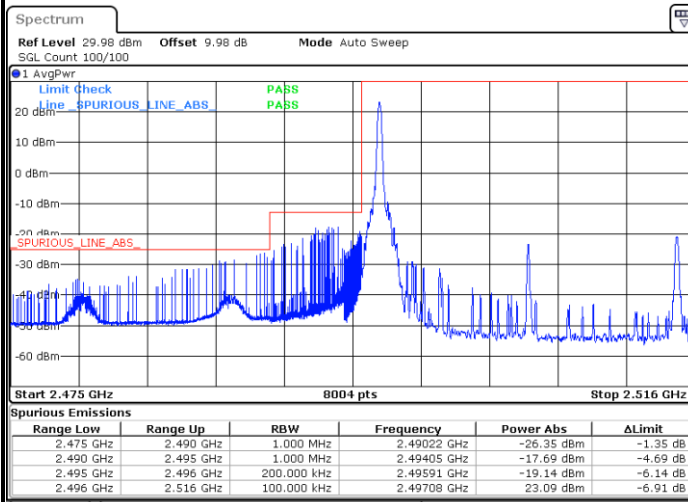


Date: 22 JAN 2022 22:27:12

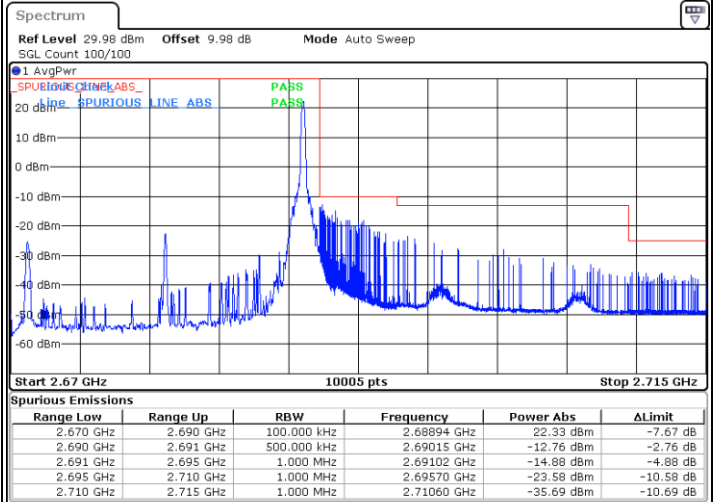


LTE Band 41 / 20MHz / QPSK

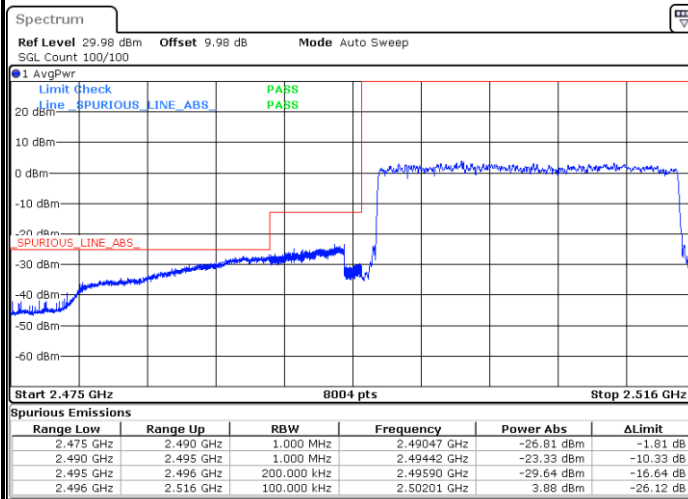
Lowest Band Edge / 1 RB



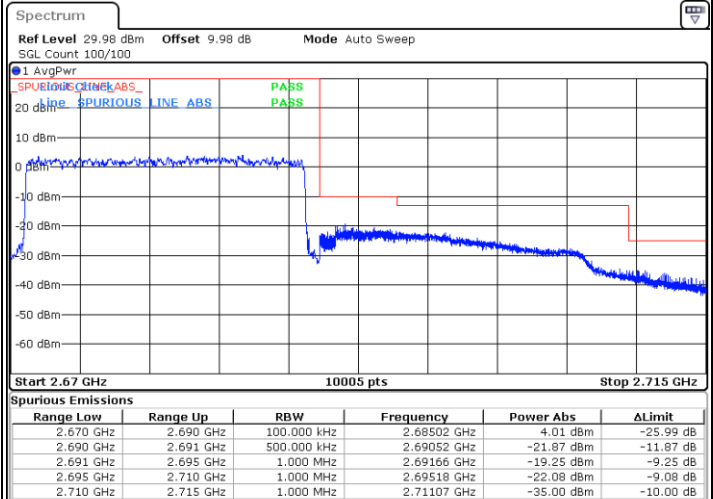
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



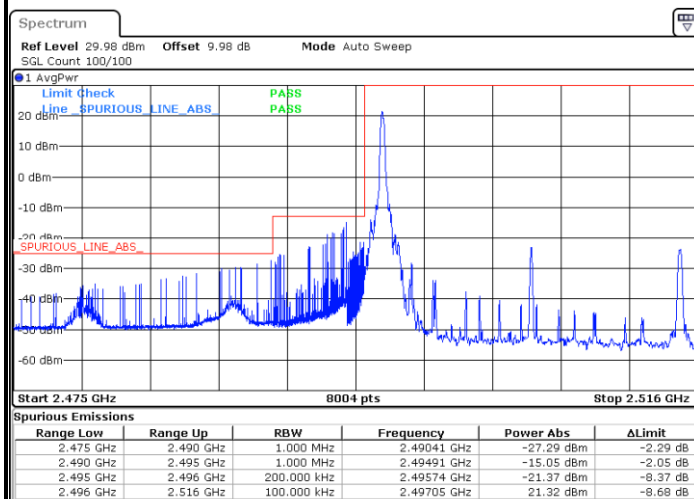
Highest Band Edge / Full RB



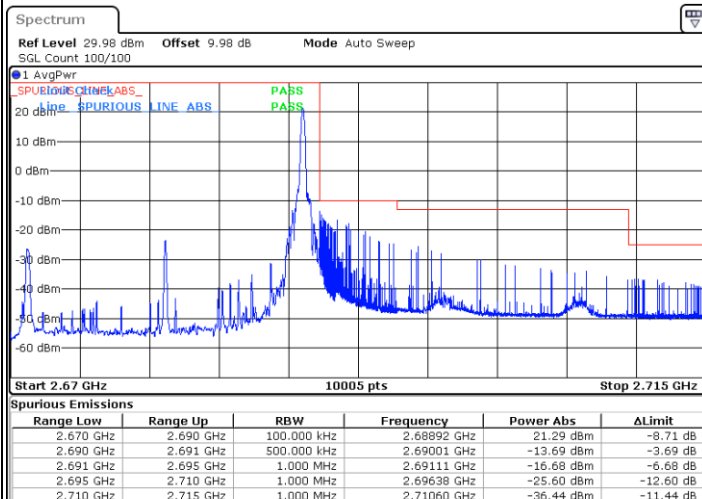


LTE Band 41 / 20MHz / 16QAM

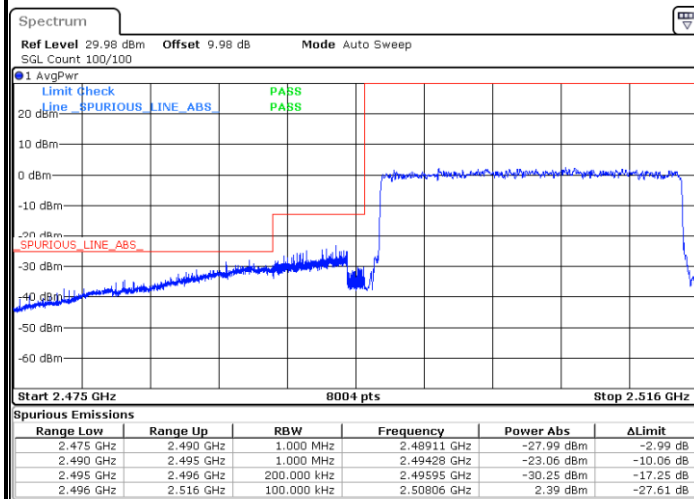
Lowest Band Edge / 1 RB



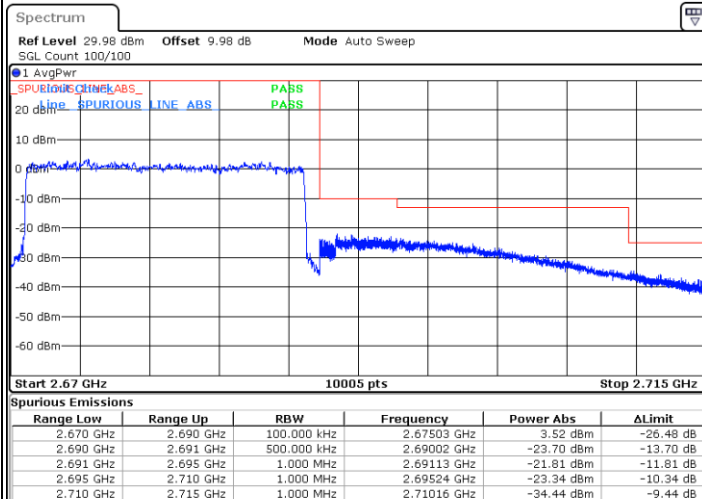
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



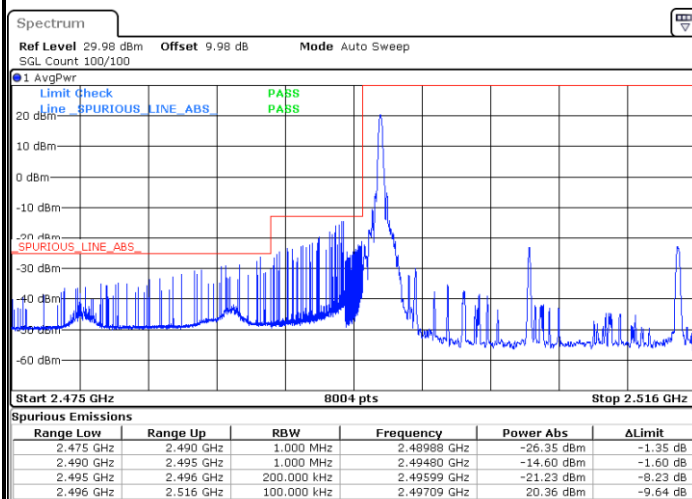
Highest Band Edge / Full RB



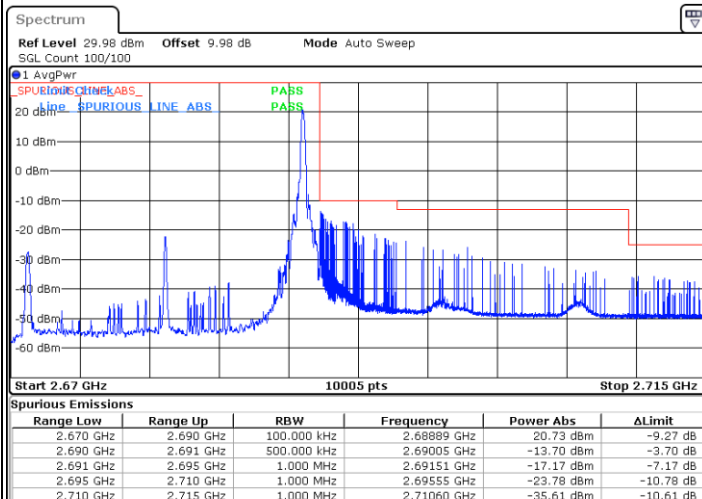


LTE Band 41 / 20MHz / 64QAM

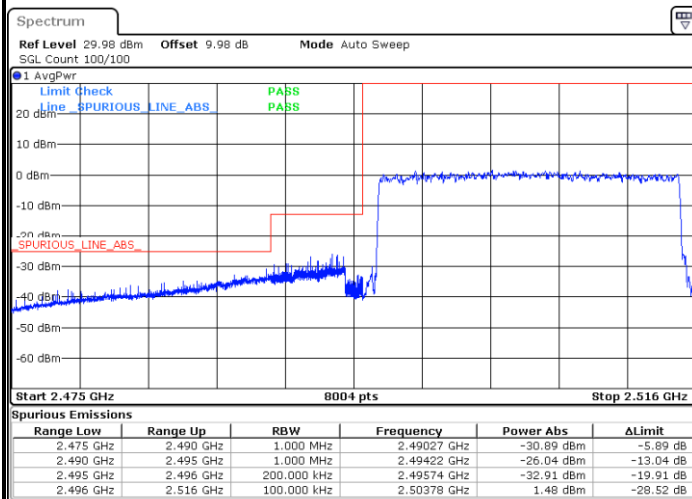
Lowest Band Edge / 1 RB



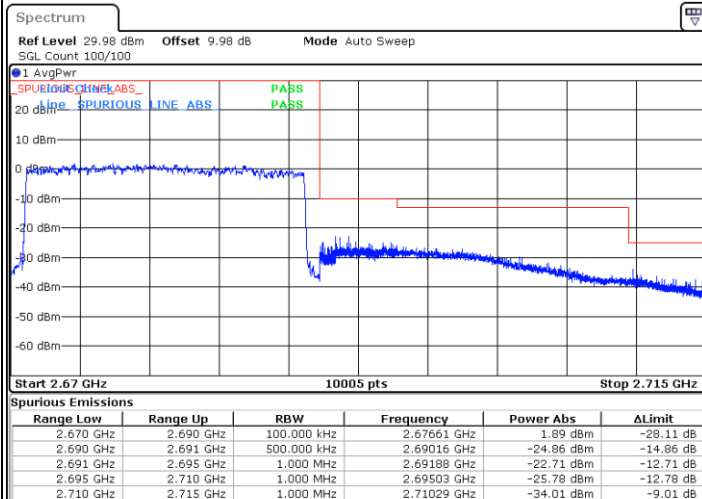
Highest Band Edge / 1 RB



Lowest Band Edge / Full RB



Highest Band Edge / Full RB

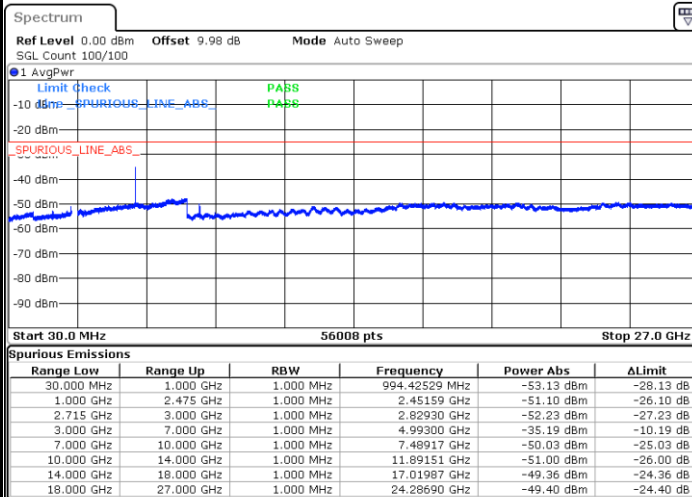




Conducted Spurious Emission

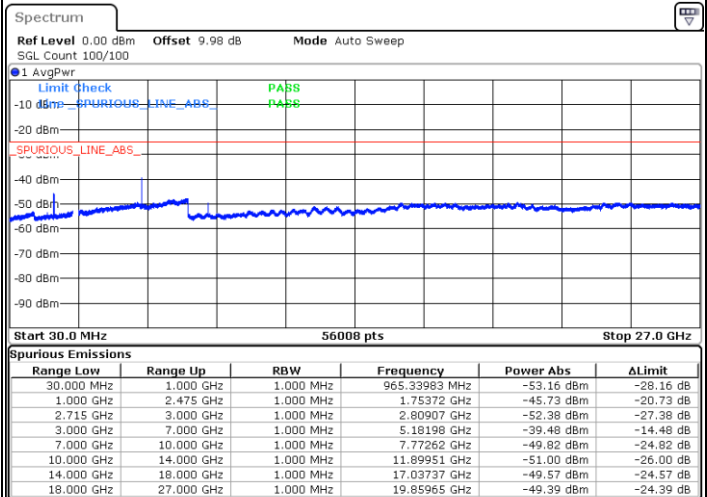
LTE Band 41 / 5MHz

Lowest Channel / QPSK



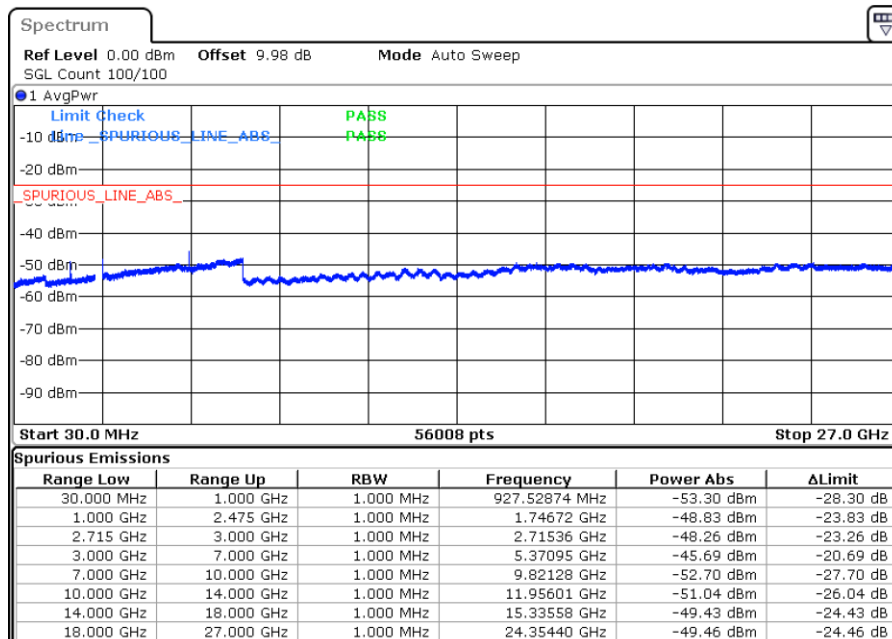
Date: 22 JAN 2022 21:15:33

Middle Channel / QPSK



Date: 22 JAN 2022 21:27:32

Highest Channel / QPSK

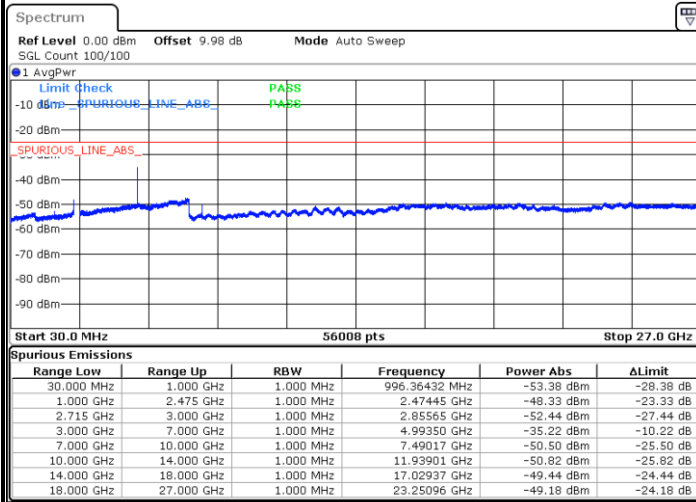


Date: 22 JAN 2022 21:29:13



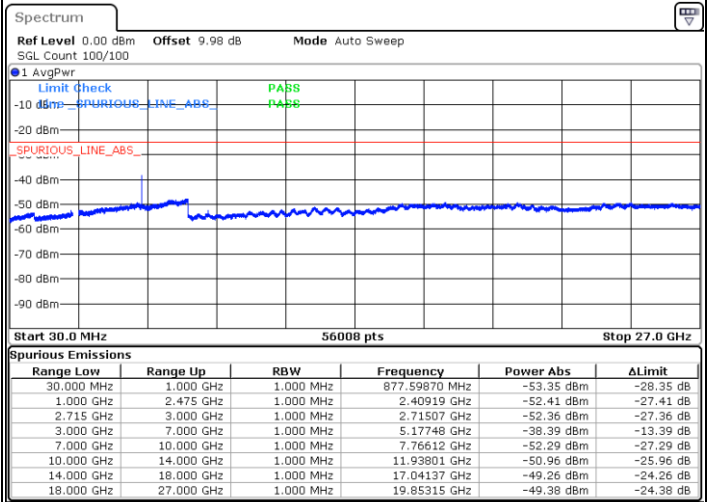
LTE Band 41 / 10MHz

Lowest Channel / QPSK



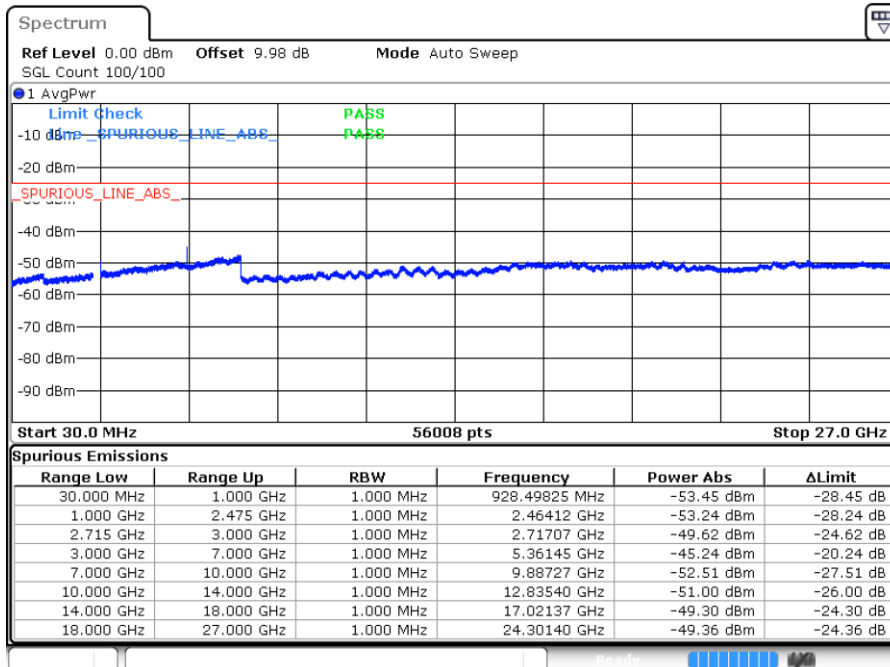
Date: 22 JAN 2022 21:41:10

Middle Channel / QPSK



Date: 22 JAN 2022 21:53:06

Highest Channel / QPSK

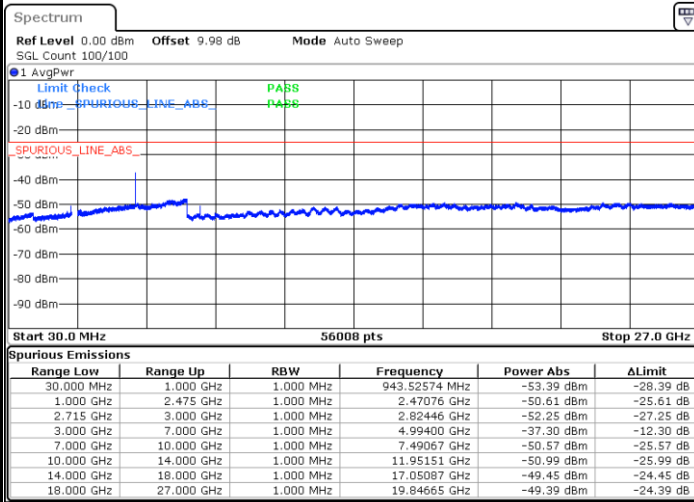


Date: 22 JAN 2022 21:54:48



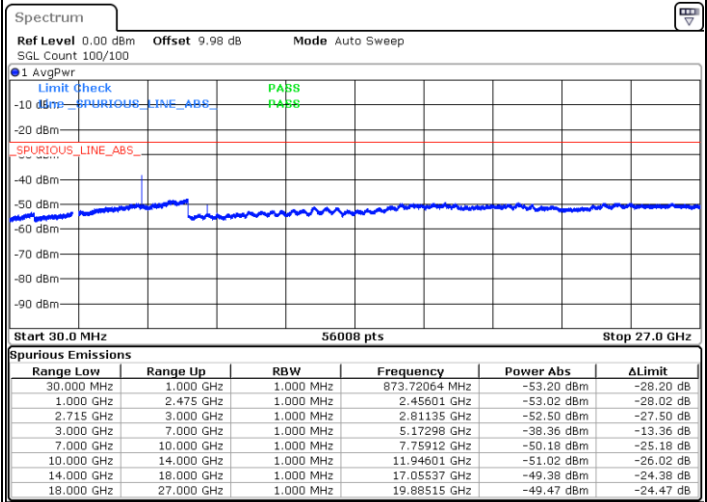
LTE Band 41 / 15MHz

Lowest Channel / QPSK



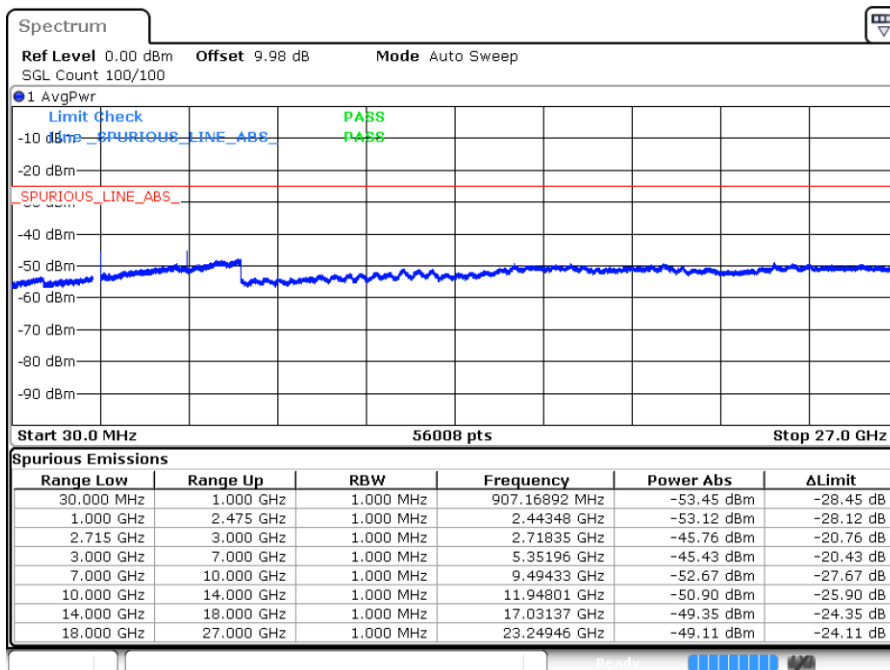
Date: 22 JAN 2022 22:06:42

Middle Channel / QPSK



Date: 22 JAN 2022 22:18:41

Highest Channel / QPSK

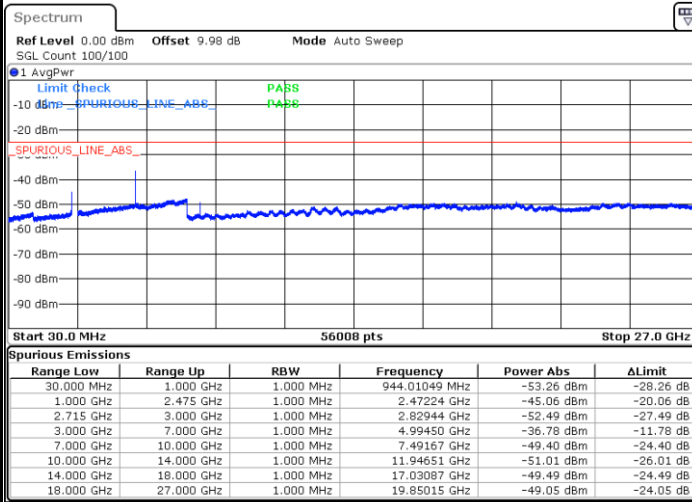


Date: 22 JAN 2022 22:20:23



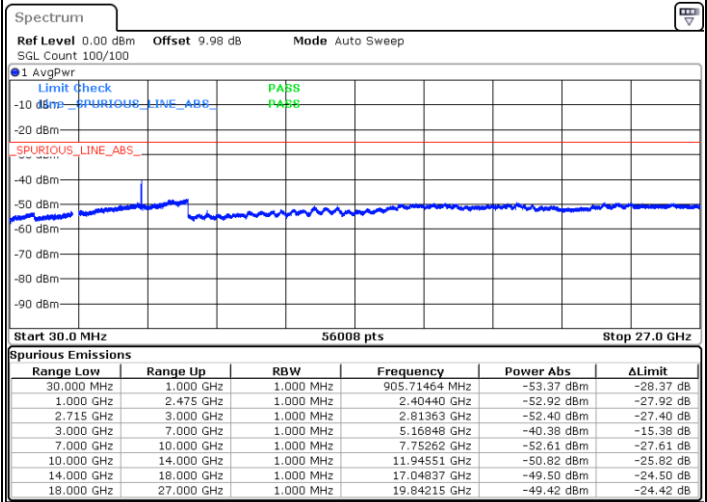
LTE Band 41 / 20MHz

Lowest Channel / QPSK



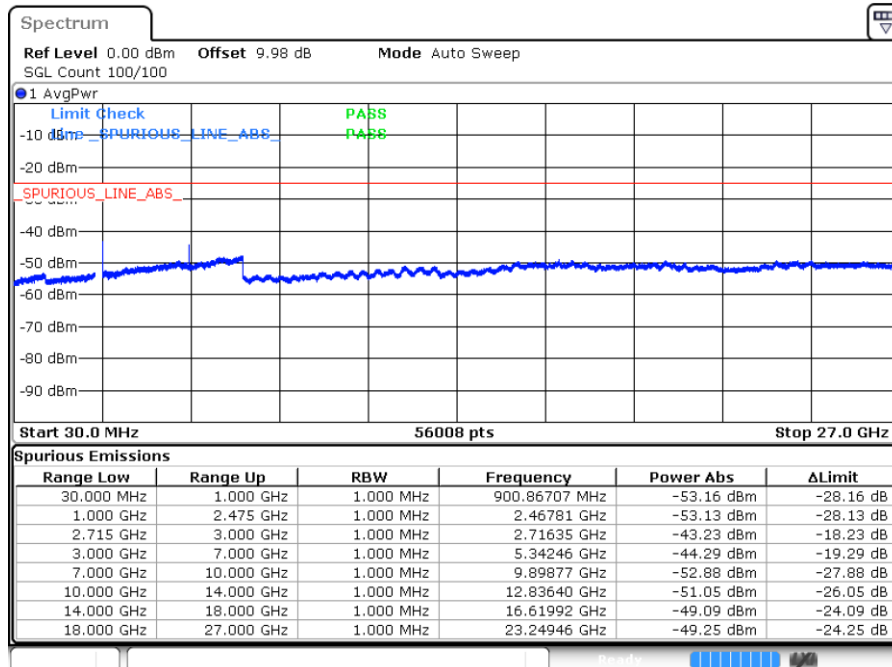
Date: 22 JAN 2022 22:32:18

Middle Channel / QPSK



Date: 22 JAN 2022 22:44:15

Highest Channel / QPSK



Date: 22 JAN 2022 22:45:58

**Frequency Stability**

Test Conditions		LTE Band 41 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0022	PASS
40	Normal Voltage	0.0021	
30	Normal Voltage	0.0014	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0022	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0013	
-20	Normal Voltage	0.0021	
-30	Normal Voltage	0.0009	
20	Maximum Voltage	0.0011	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0005	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 66

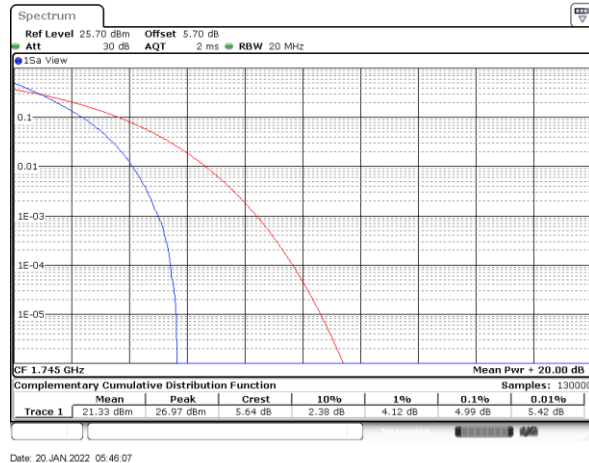
Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	4.99	5.88	6.17	PASS

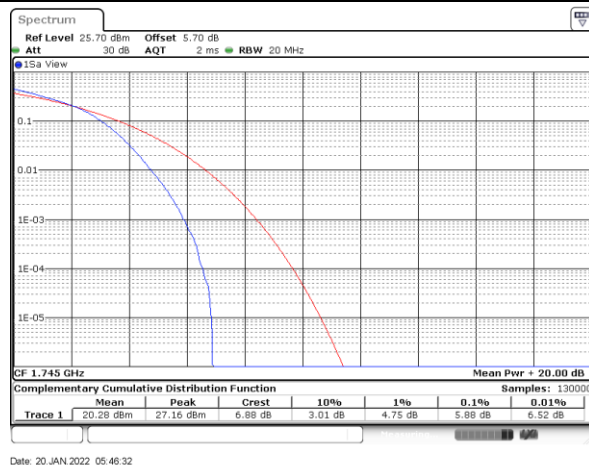


LTE Band 66 / 20MHz

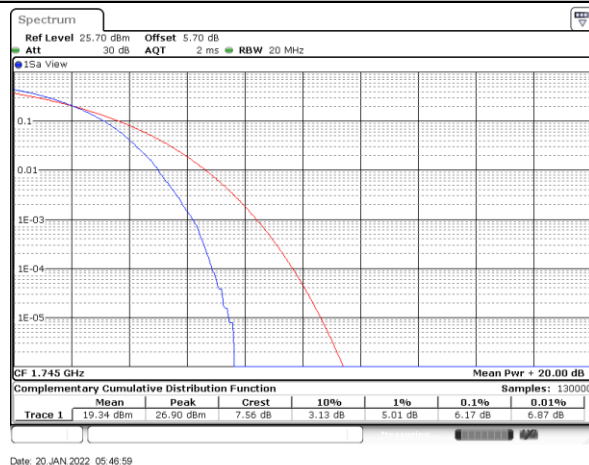
Middle Channel / Full RB/ QPSK



Middle Channel / Full RB/ 16QAM



Middle Channel / Full RB/ 64QAM



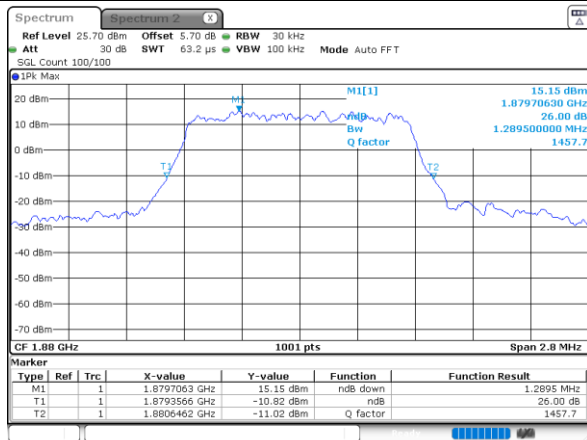
26dB Bandwidth

Mode	LTE Band 66 : 26dB BW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.29	1.25
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	3.00	3.05
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.98	4.92
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.87	9.71
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.24	14.42
Mode	LTE Band 66 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	18.78	19.14

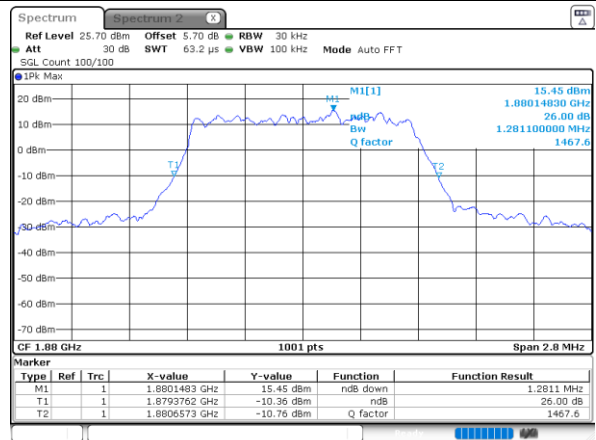


LTE Band 66

Middle Channel / 1.4MHz / QPSK

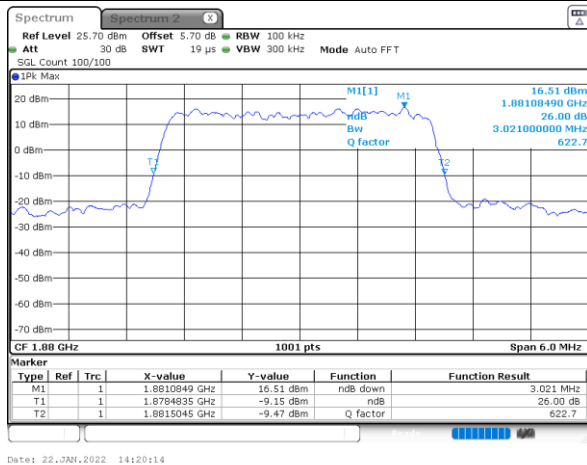


Middle Channel / 1.4MHz / 16QAM

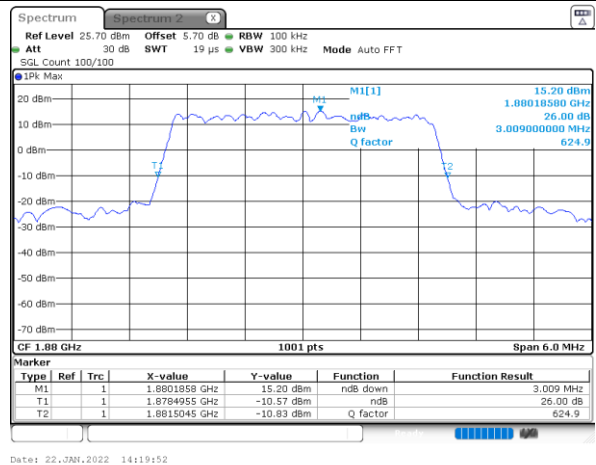


LTE Band 66

Middle Channel / 3MHz / QPSK

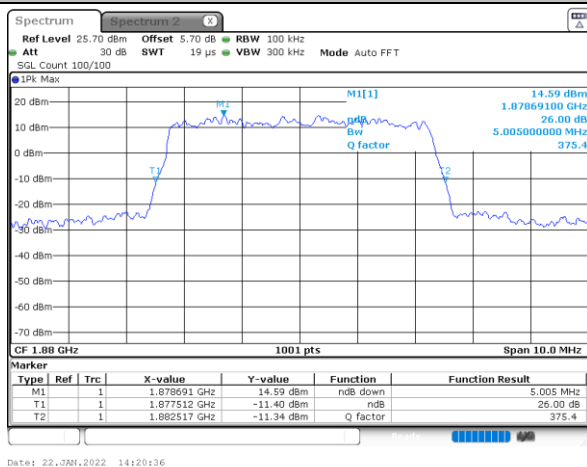


Middle Channel / 3MHz / 16QAM

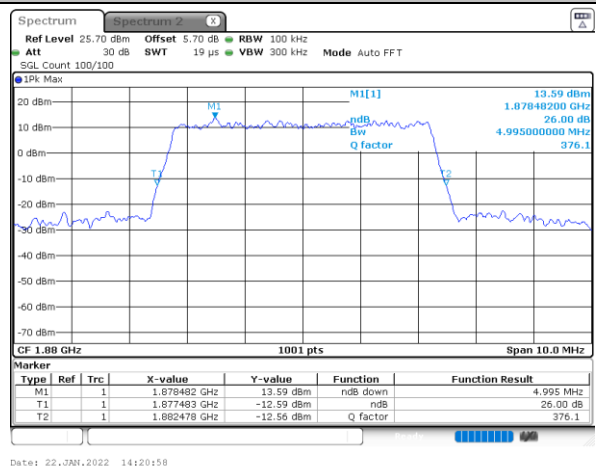


LTE Band 66

Middle Channel / 5MHz / QPSK



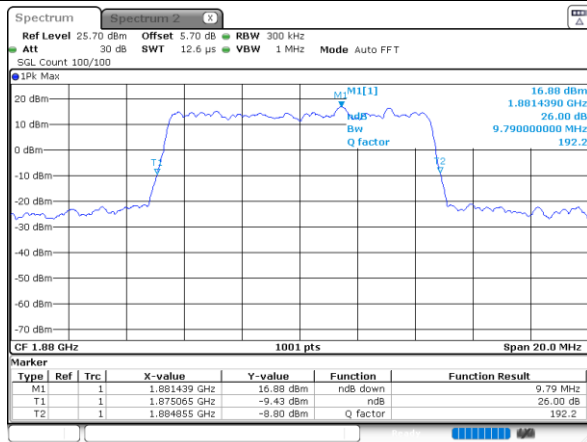
Middle Channel / 5MHz / 16QAM



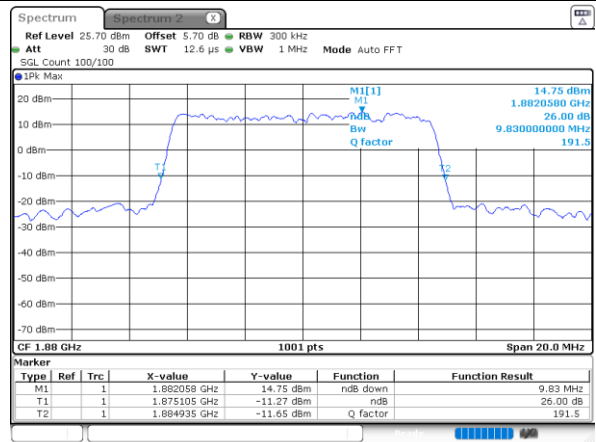


LTE Band 66

Middle Channel / 10MHz / QPSK

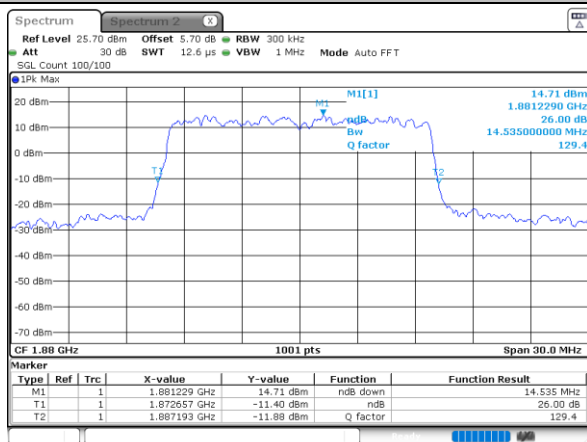


Middle Channel / 10MHz / 16QAM

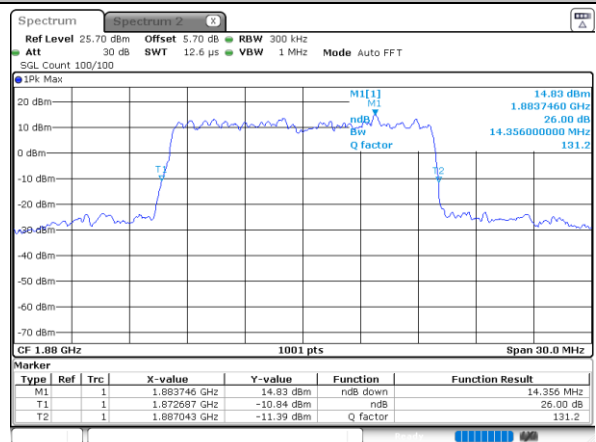


LTE Band 66

Middle Channel / 15MHz / QPSK

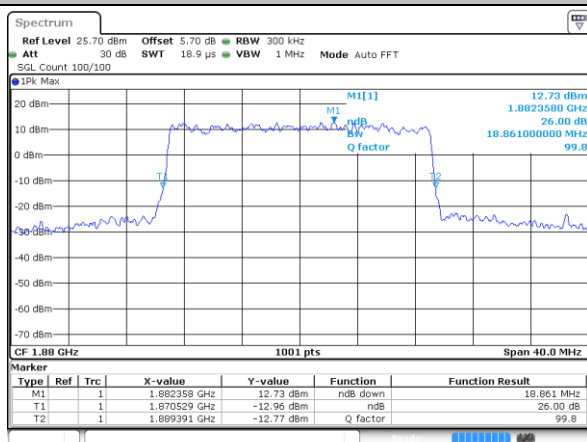


Middle Channel / 15MHz / 16QAM

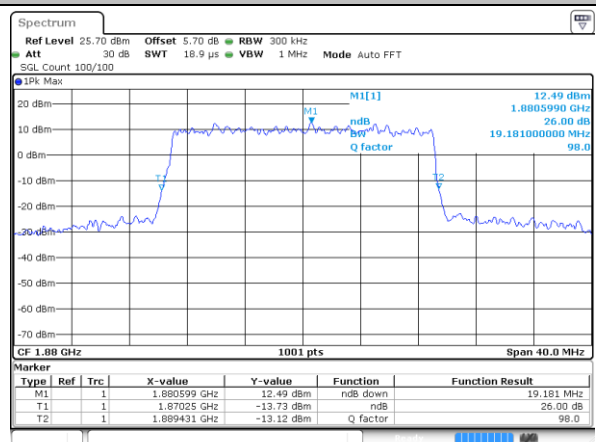


LTE Band 66

Middle Channel / 20MHz / QPSK



Middle Channel / 20MHz / 16QAM



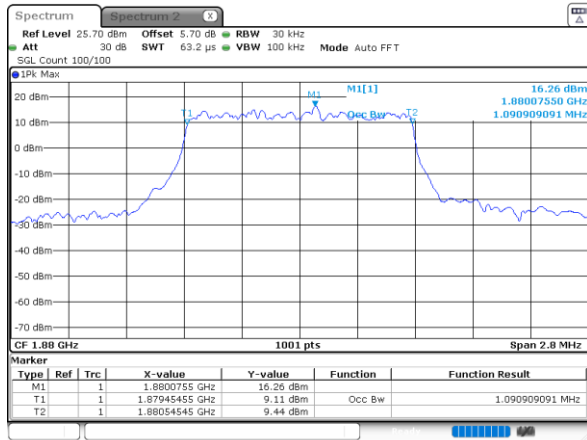
Occupied Bandwidth

Mode	LTE Band 66 : 99%OBW(MHz)	
BW	1.4MHz	
Mod.	QPSK	16QAM
Middle CH	1.09	1.09
Mode	LTE Band 66 : 99%OBW(MHz)	
BW	3MHz	
Mod.	QPSK	16QAM
Middle CH	2.72	2.72
Mode	LTE Band 66 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.50	4.49
Mode	LTE Band 66 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.03	8.97
Mode	LTE Band 66 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.46	13.49
Mode	LTE Band 66 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH	17.90	17.94



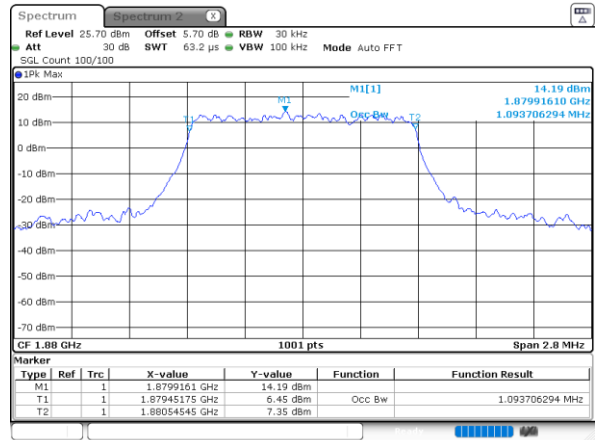
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 22.JAN.2022 14:10:37

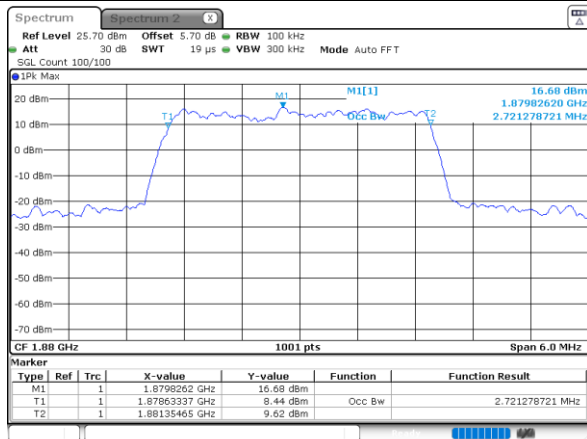
Middle Channel / 1.4MHz / 16QAM



Date: 22.JAN.2022 14:10:59

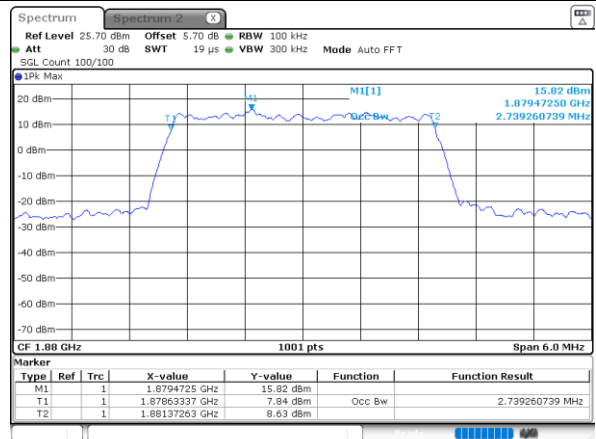
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 22.JAN.2022 14:11:43

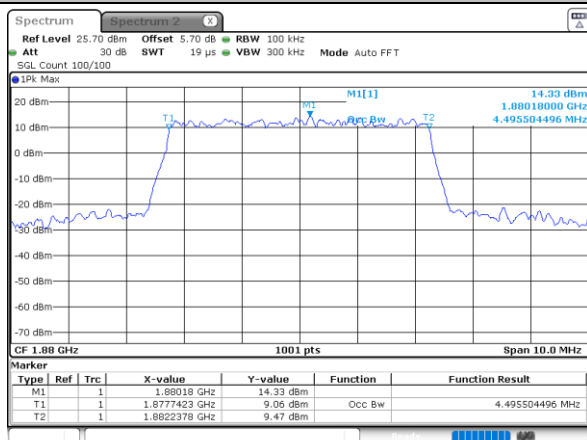
Middle Channel / 3MHz / 16QAM



Date: 22.JAN.2022 14:11:21

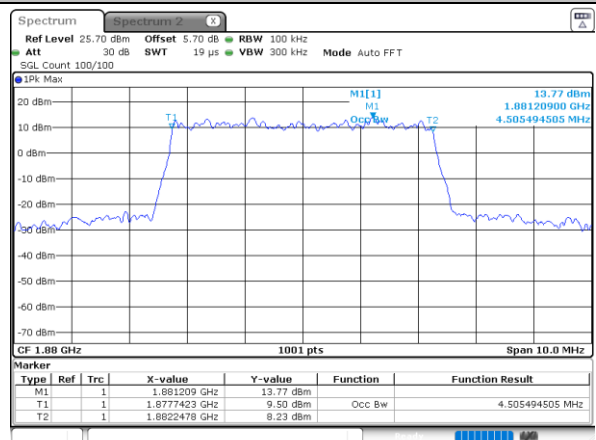
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 22.JAN.2022 14:12:05

Middle Channel / 5MHz / 16QAM



Date: 22.JAN.2022 14:12:27