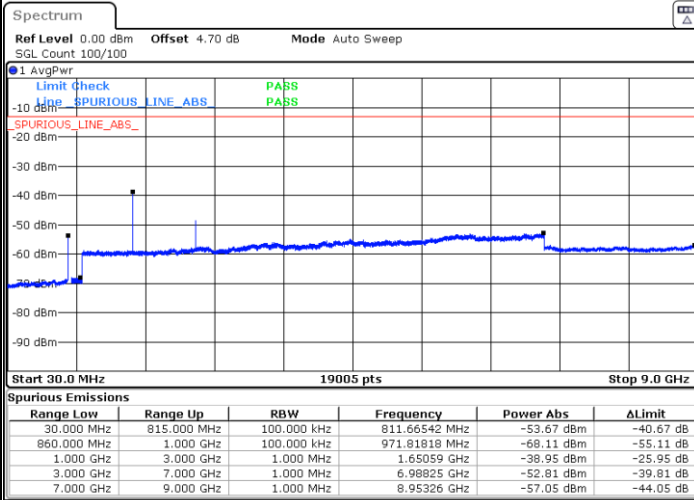




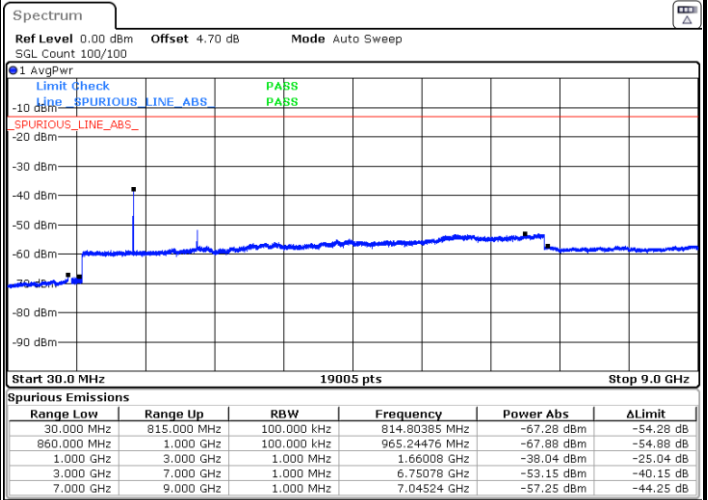
LTE Band 26 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

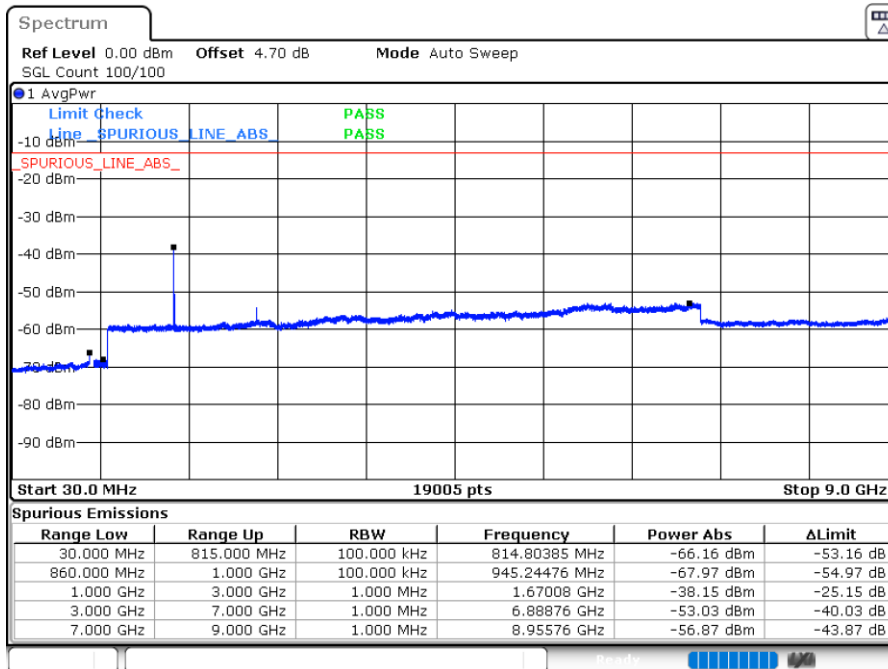


Date: 21.JAN.2022 15:49:54



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

Highest Channel / QPSK

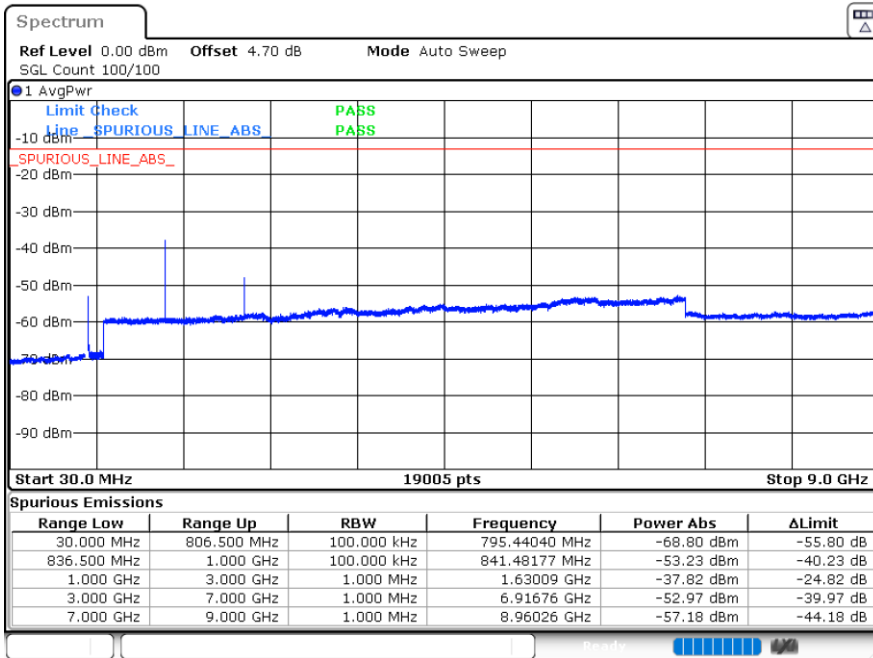


Date: 21.JAN.2022 16:04:40



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	

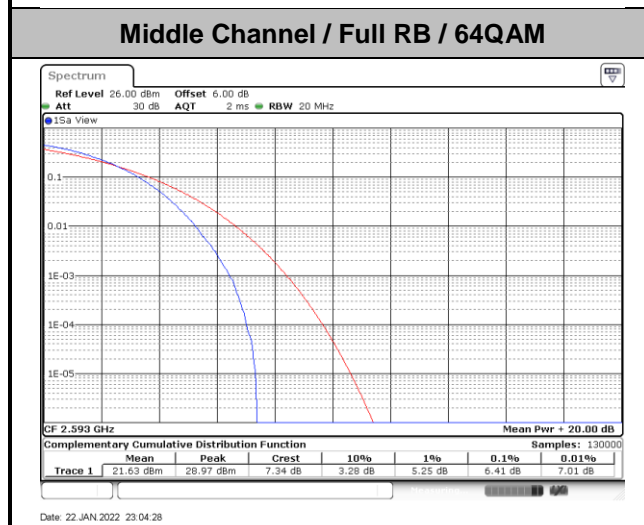
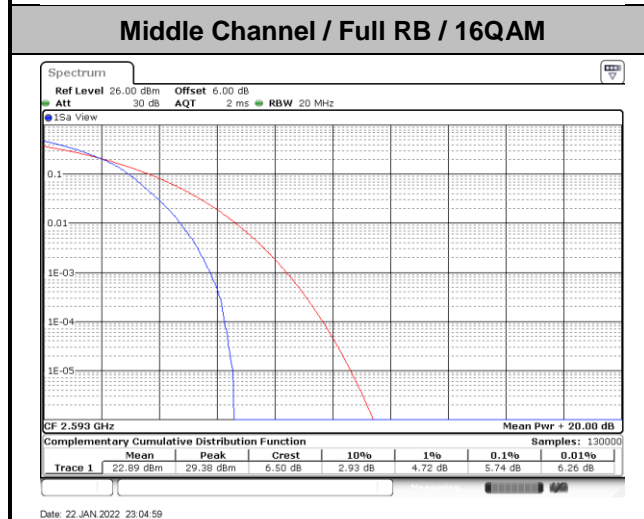
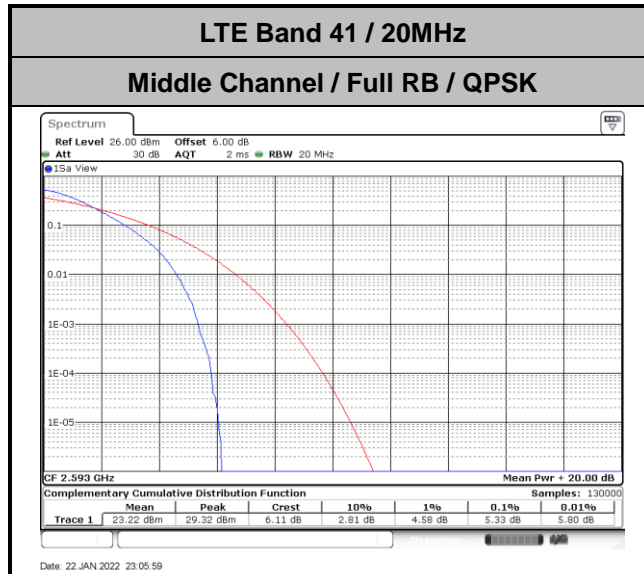
Note: Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.



LTE Band 41

Peak-to-Average Ratio

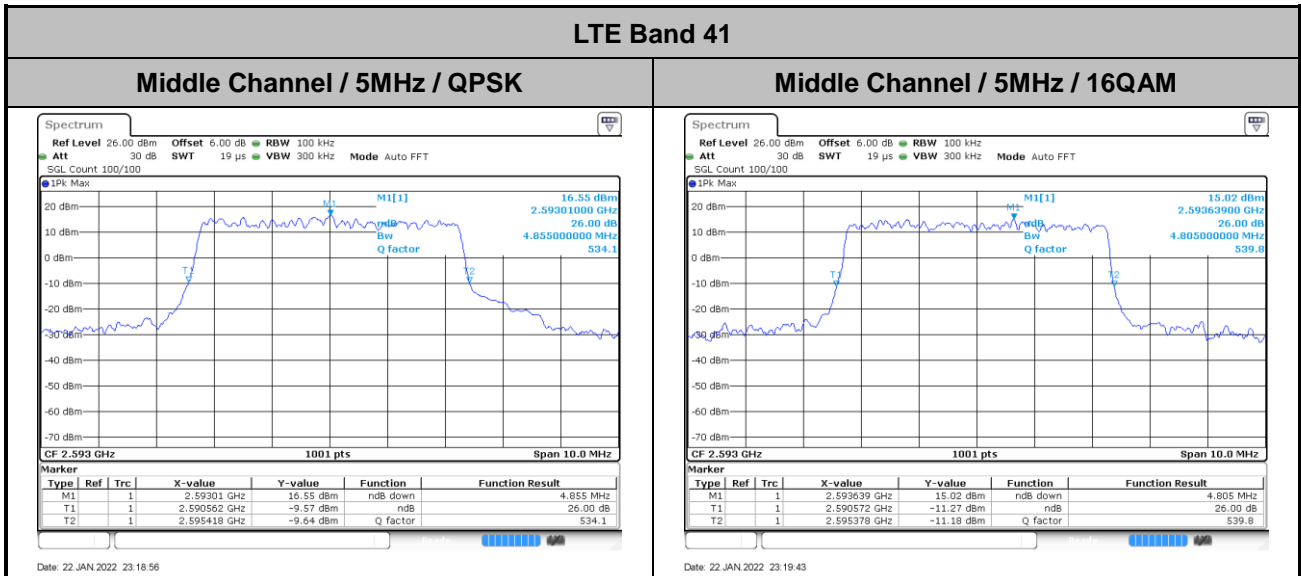
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.33	5.74	6.41	PASS





26dB Bandwidth

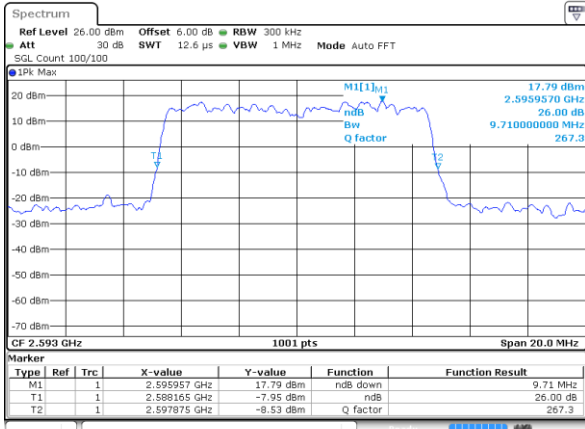
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.86	4.81
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	9.71	9.63
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	14.15	14.48
Mode	LTE Band 41 : 26dB BW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle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





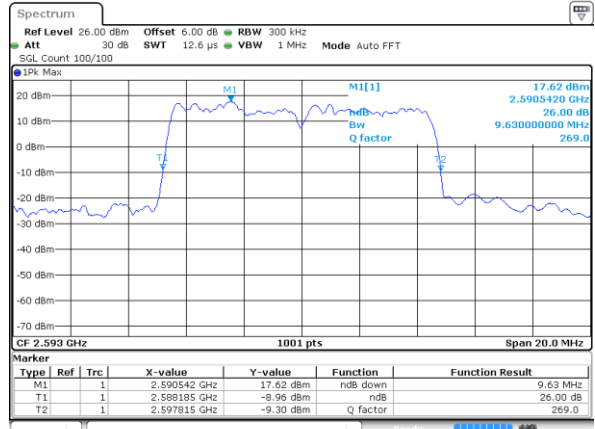
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 22 JAN 2022 23 22:57

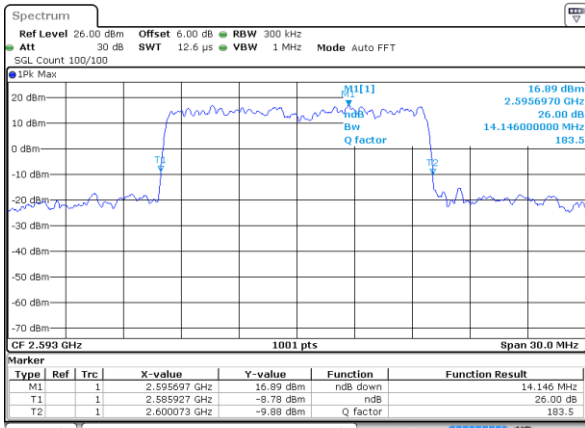
Middle Channel / 10MHz / 16QAM



Date: 22 JAN 2022 23 21:27

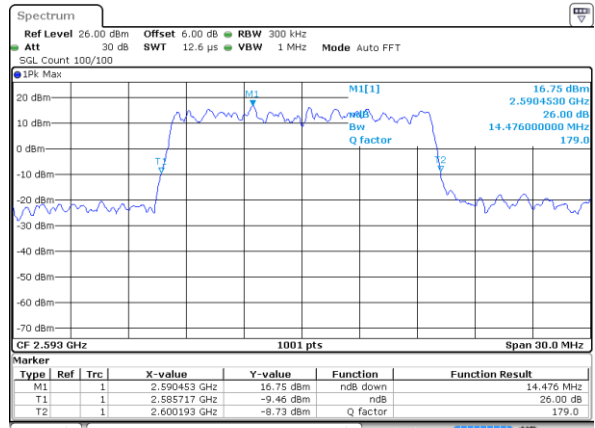
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 22 JAN 2022 23 25:00

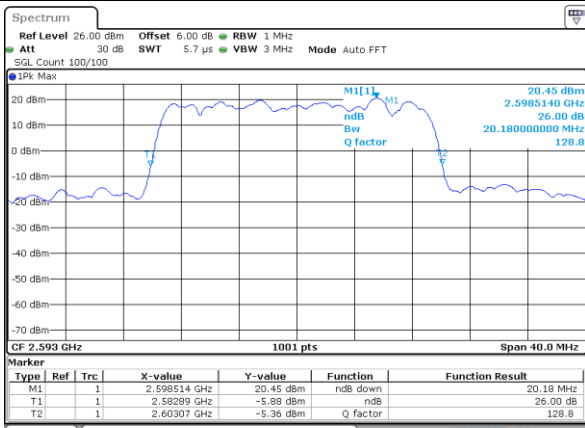
Middle Channel / 15MHz / 16QAM



Date: 22 JAN 2022 23 26:23

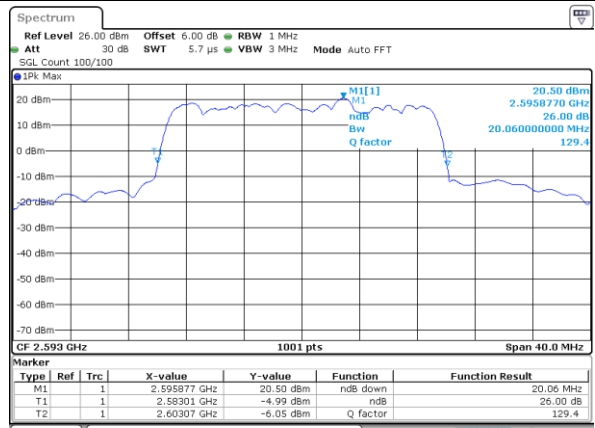
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 22 JAN 2022 22 59:09

Middle Channel / 20MHz / 16QAM

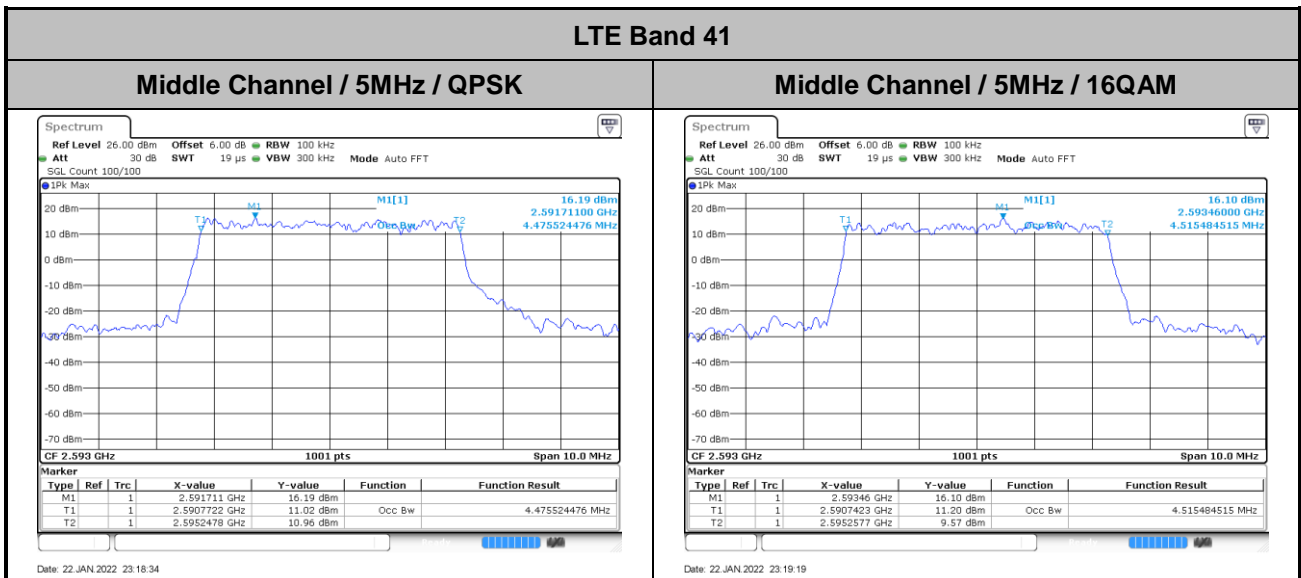


Date: 22 JAN 2022 23 00:14



Occupied Bandwidth

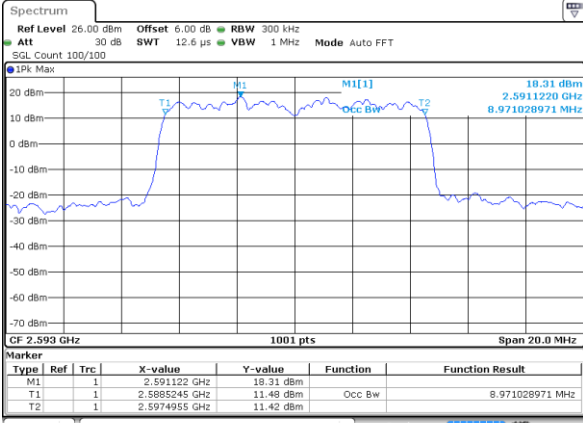
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	5MHz	
Mod.	QPSK	16QAM
Middle CH	4.48	4.52
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	10MHz	
Mod.	QPSK	16QAM
Middle CH	8.97	9.05
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	15MHz	
Mod.	QPSK	16QAM
Middle CH	13.43	13.61
Mode	LTE Band 41 : 99%OBW(MHz)	
BW	20MHz	
Mod.	QPSK	16QAM
Middle CH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





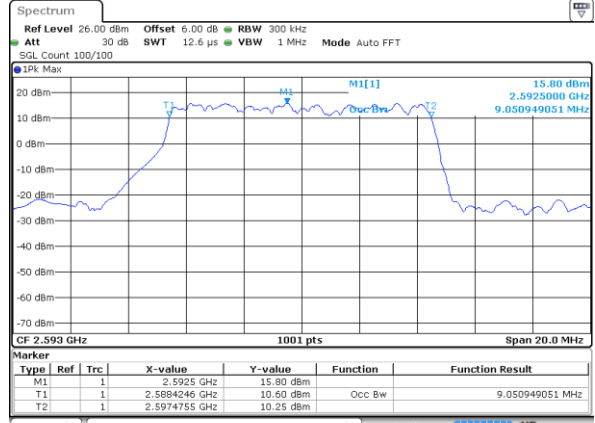
LTE Band 41

Middle Channel / 10MHz / QPSK



Date: 22 JAN 2022 23 22 05

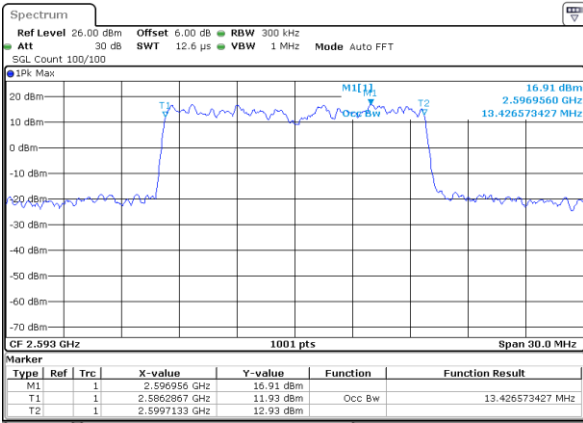
Middle Channel / 10MHz / 16QAM



Date: 22 JAN 2022 23 21 03

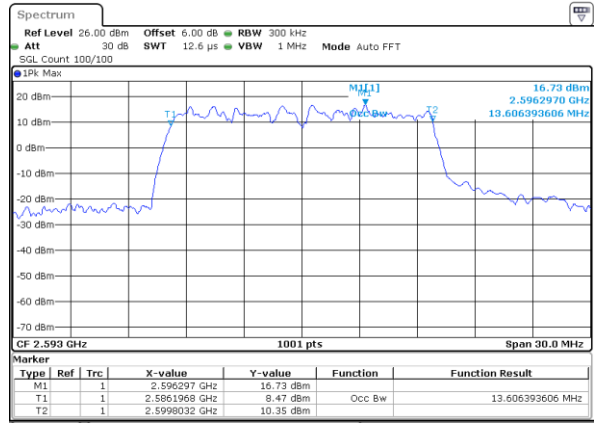
LTE Band 41

Middle Channel / 15MHz / QPSK



Date: 22 JAN 2022 23 24 32

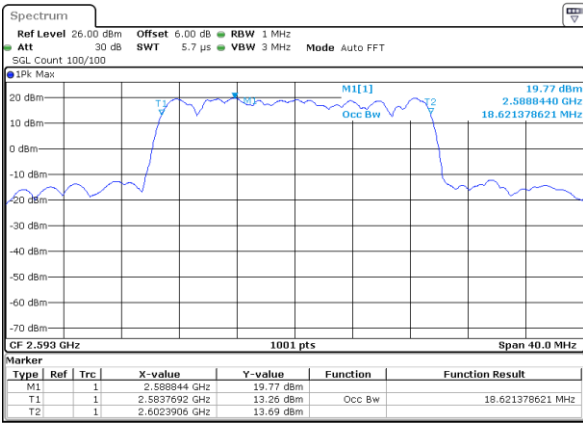
Middle Channel / 15MHz / 16QAM



Date: 22 JAN 2022 23 25 22

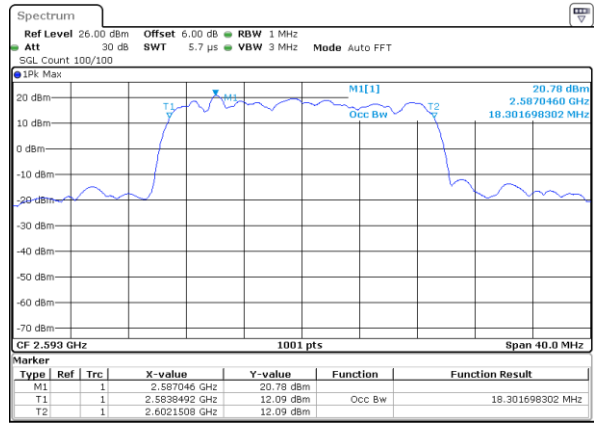
LTE Band 41

Middle Channel / 20MHz / QPSK



Date: 22 JAN 2022 22 59 32

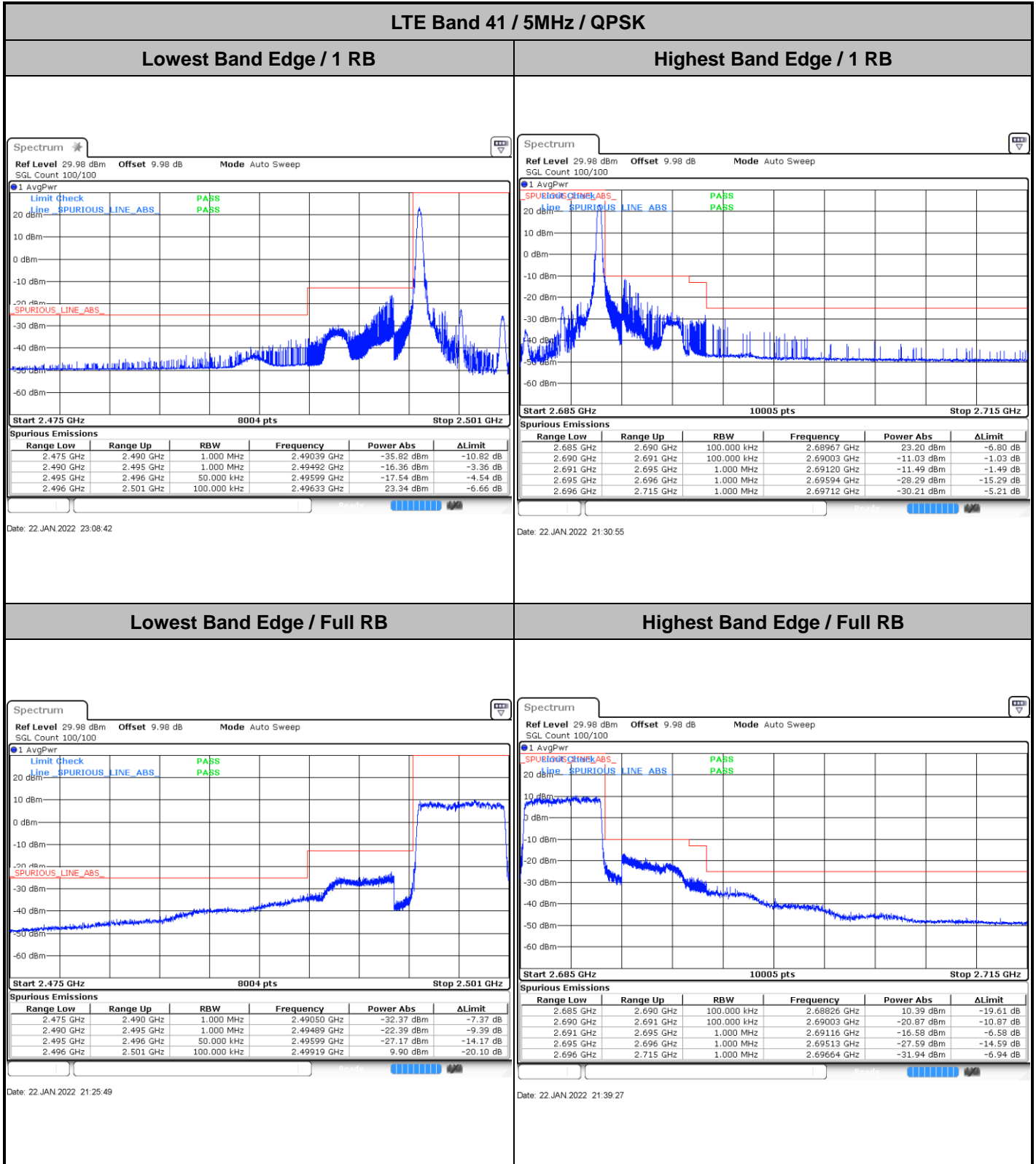
Middle Channel / 20MHz / 16QAM



Date: 22 JAN 2022 22 59 53



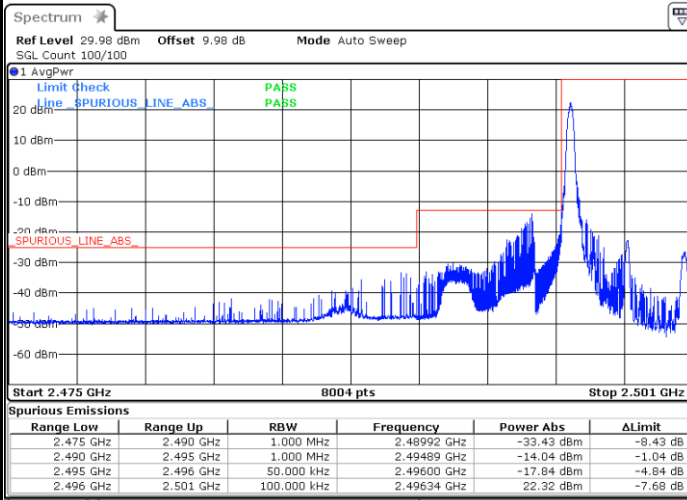
Conducted Band Edge





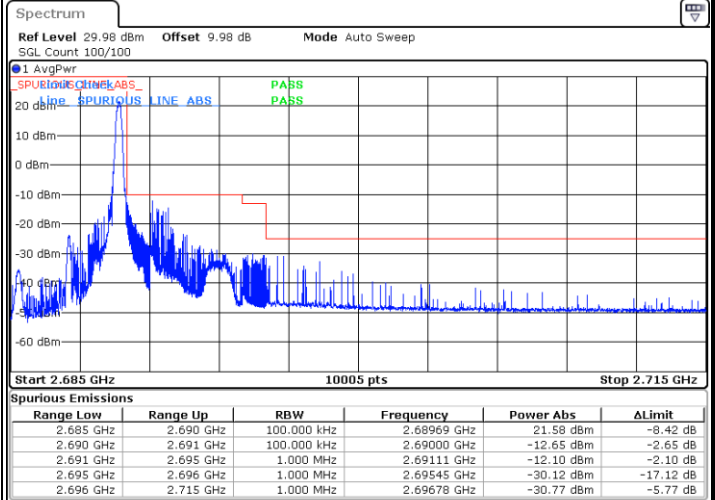
LTE Band 41 / 5MHz / 16QAM

Lowest Band Edge / 1RB



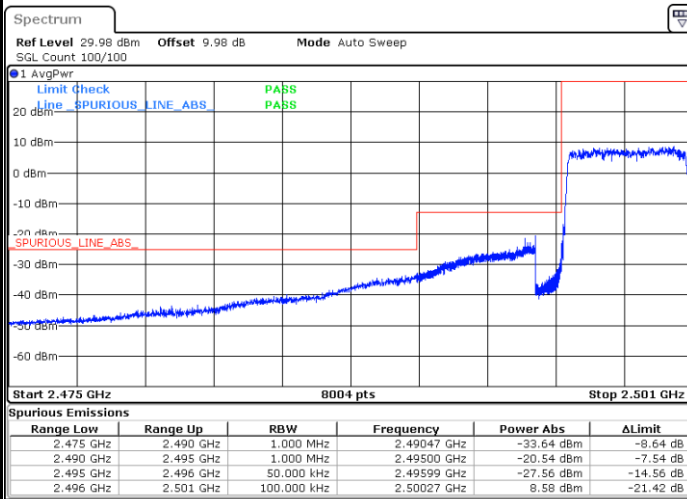
Date: 22 JAN 2022 23:10:46

Highest Band Edge / 1 RB



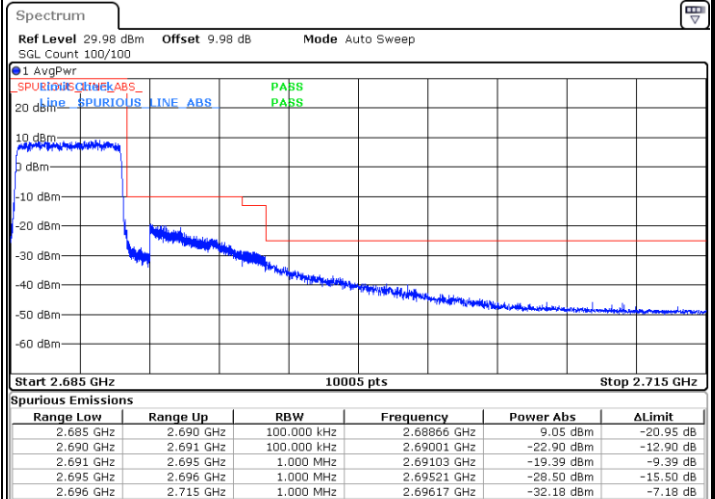
Date: 22 JAN 2022 21:32:37

Lowest Band Edge / Full RB



Date: 22 JAN 2022 21:24:07

Highest Band Edge / Full RB

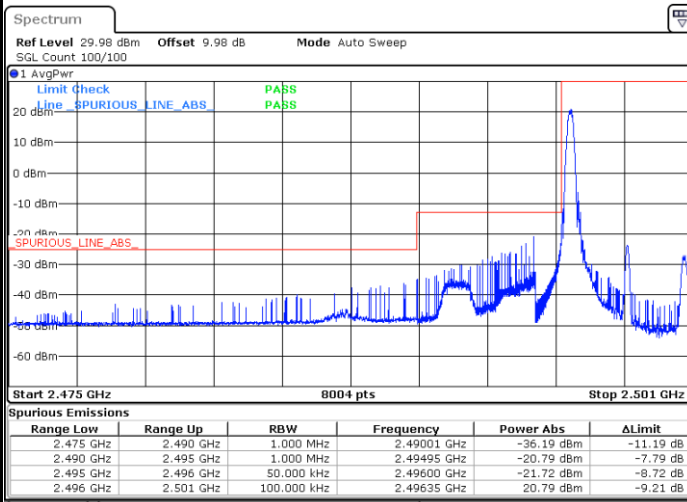


Date: 22 JAN 2022 21:37:45



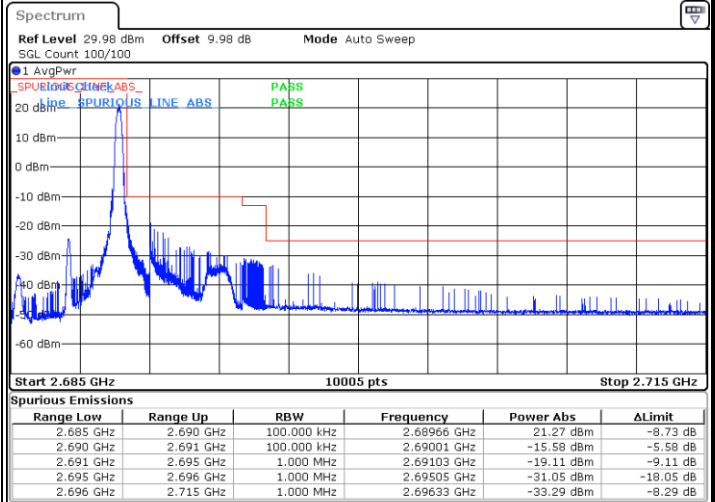
LTE Band 41 / 5MHz / 64QAM

Lowest Band Edge / 1RB



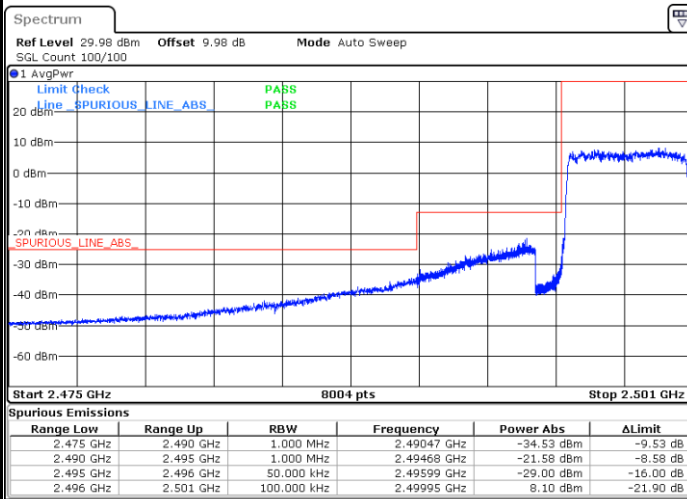
Date: 22 JAN 2022 21:20:42

Highest Band Edge / 1 RB



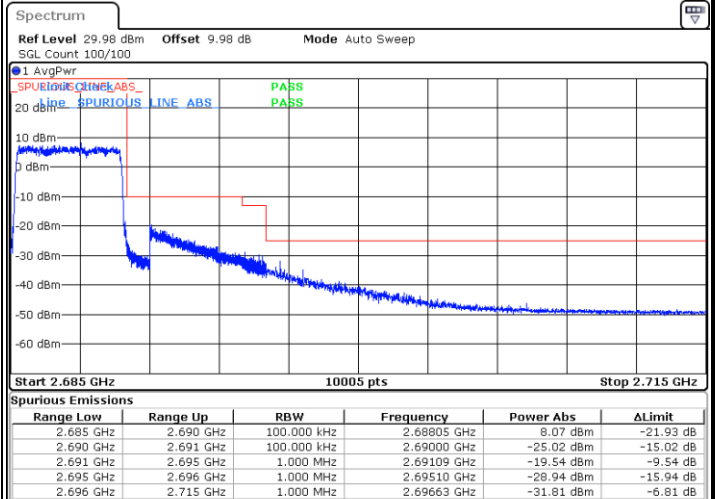
Date: 22 JAN 2022 21:34:20

Lowest Band Edge / Full RB



Date: 22 JAN 2022 21:22:24

Highest Band Edge / Full RB

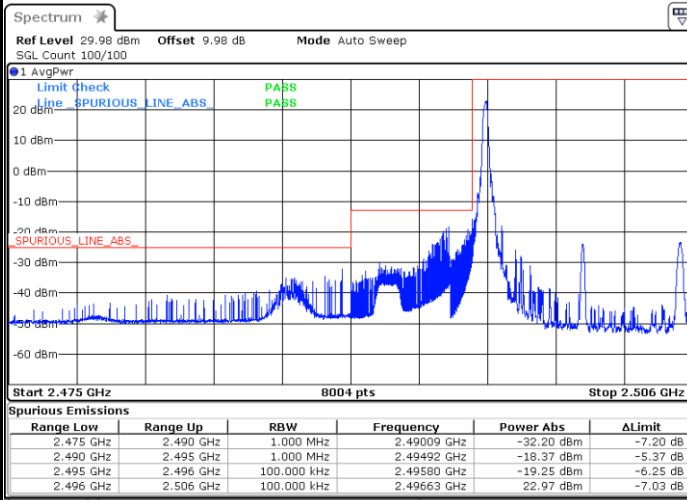


Date: 22 JAN 2022 21:36:03



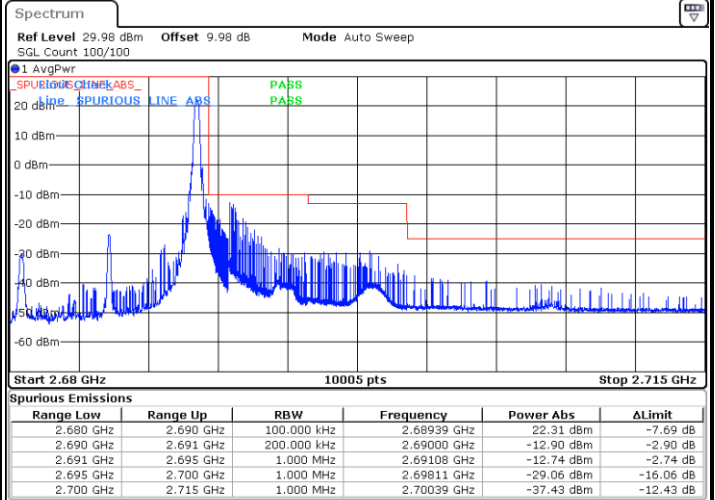
LTE Band 41 / 10MHz / QPSK

Lowest Band Edge / 1 RB



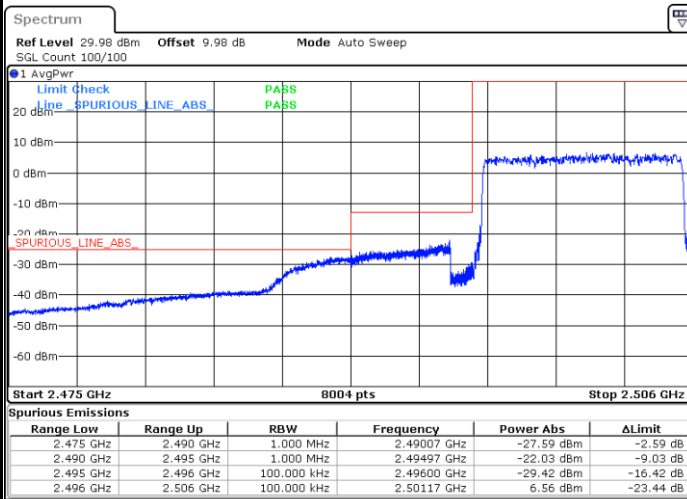
Date: 22 JAN 2022 23:12:26

Highest Band Edge / 1 RB



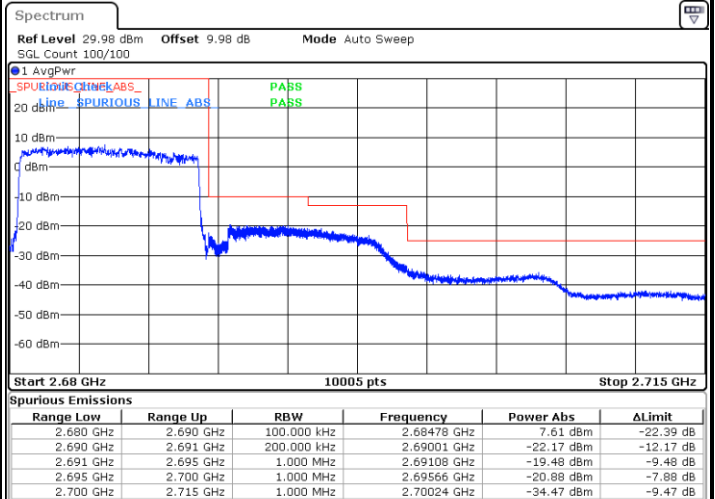
Date: 22 JAN 2022 21:56:30

Lowest Band Edge / Full RB



Date: 22 JAN 2022 21:51:24

Highest Band Edge / Full RB

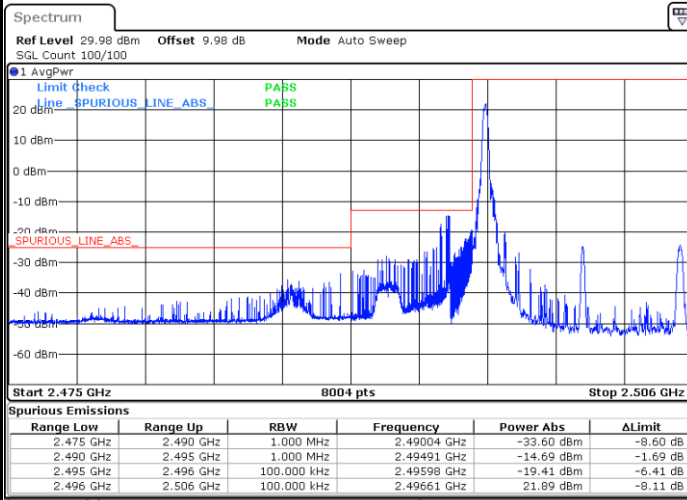


Date: 22 JAN 2022 22:04:59



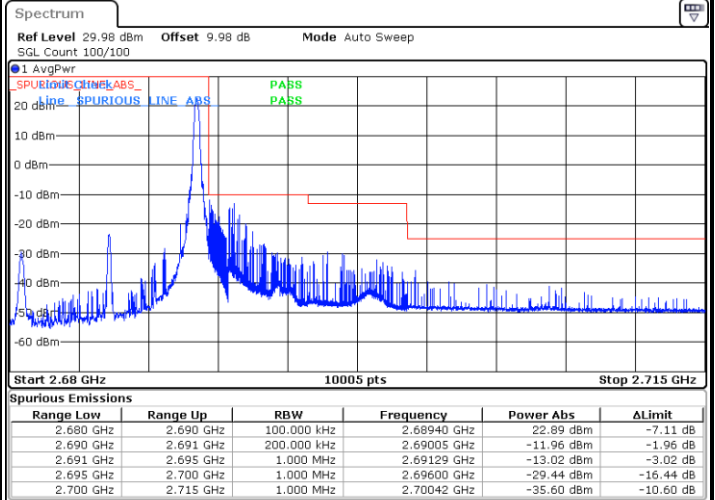
LTE Band 41 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



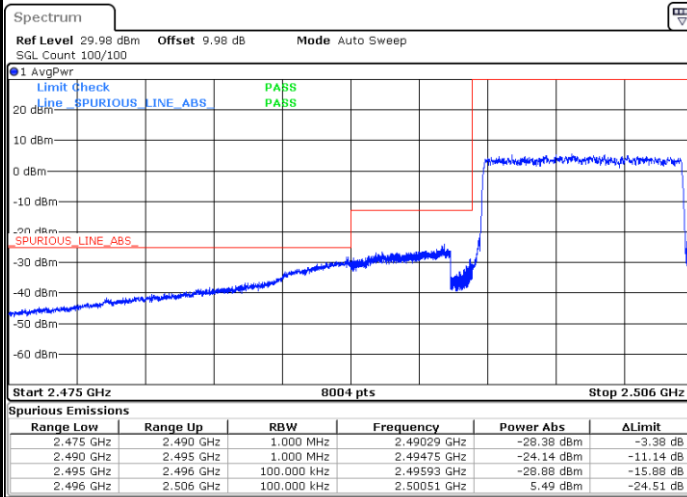
Date: 22 JAN 2022 21:44:35

Highest Band Edge / 1 RB



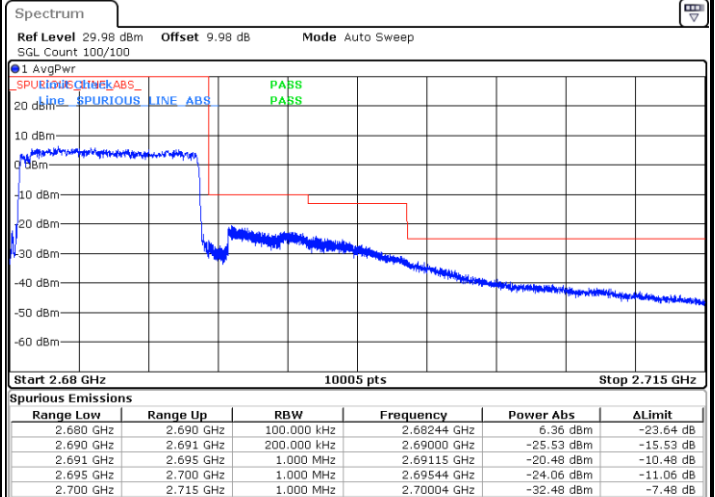
Date: 22 JAN 2022 21:58:12

Lowest Band Edge / Full RB



Date: 22 JAN 2022 21:49:42

Highest Band Edge / Full RB

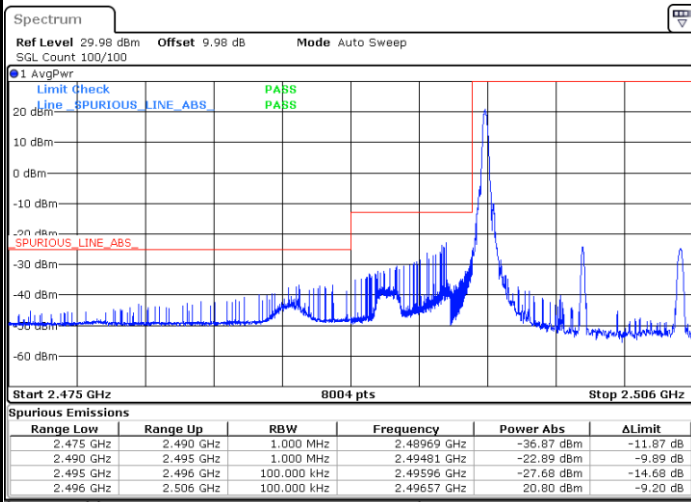


Date: 22 JAN 2022 22:03:17



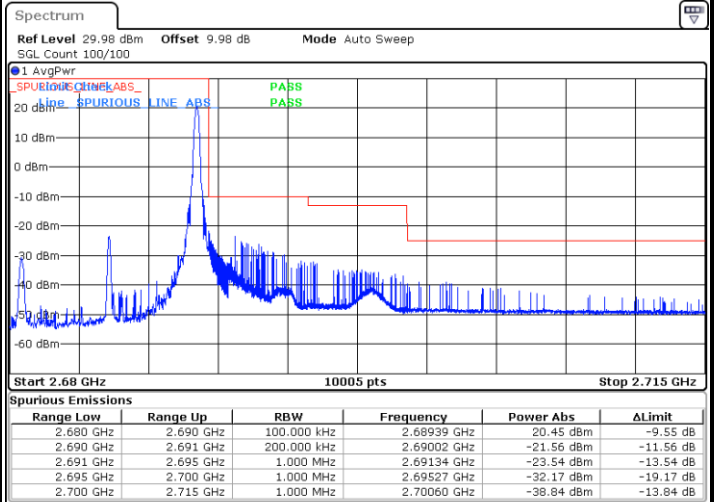
LTE Band 41 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



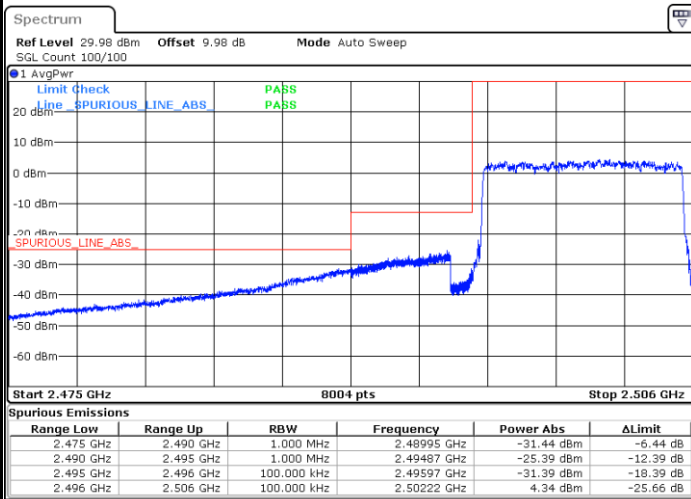
Date: 22 JAN 2022 21:46:17

Highest Band Edge / 1 RB



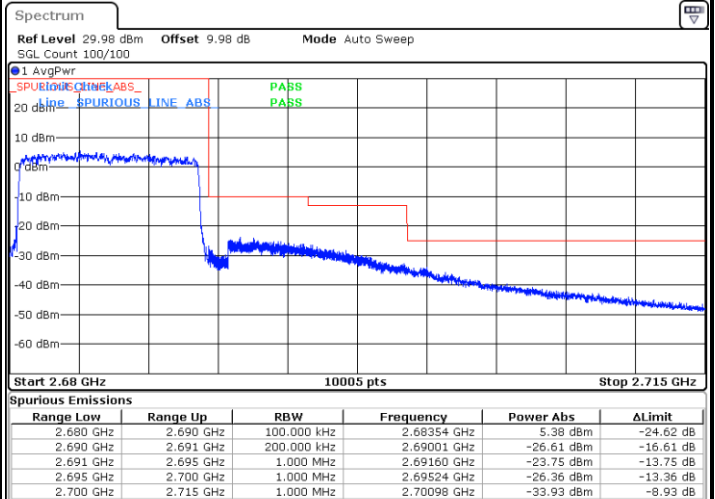
Date: 22 JAN 2022 21:59:53

Lowest Band Edge / Full RB



Date: 22 JAN 2022 21:48:00

Highest Band Edge / Full RB

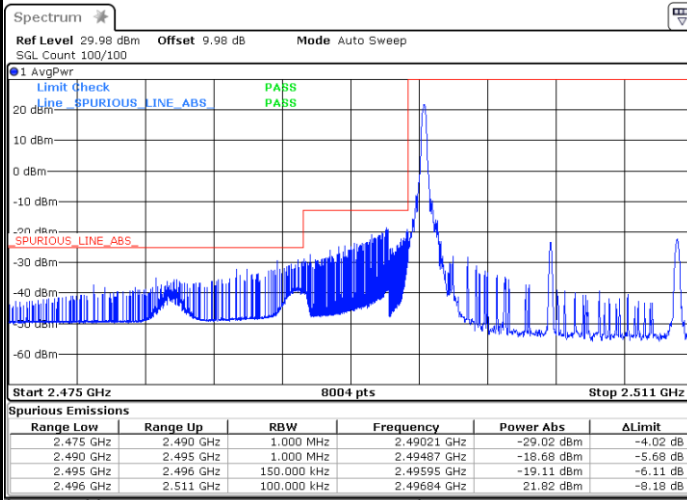


Date: 22 JAN 2022 22:01:35



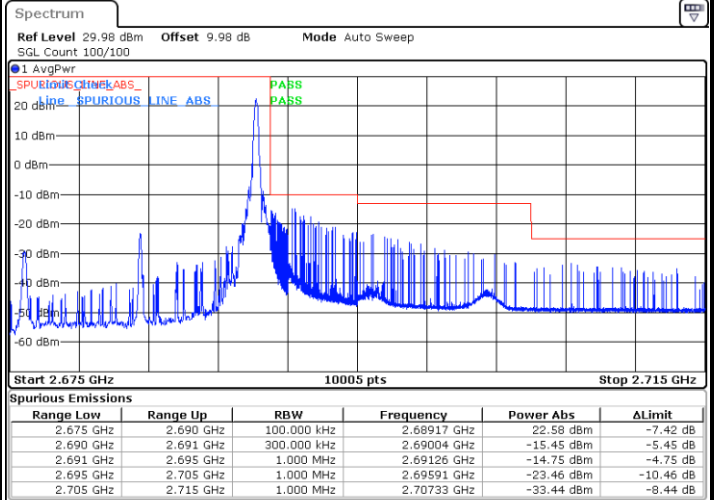
LTE Band 41 / 15MHz / QPSK

Lowest Band Edge / 1 RB



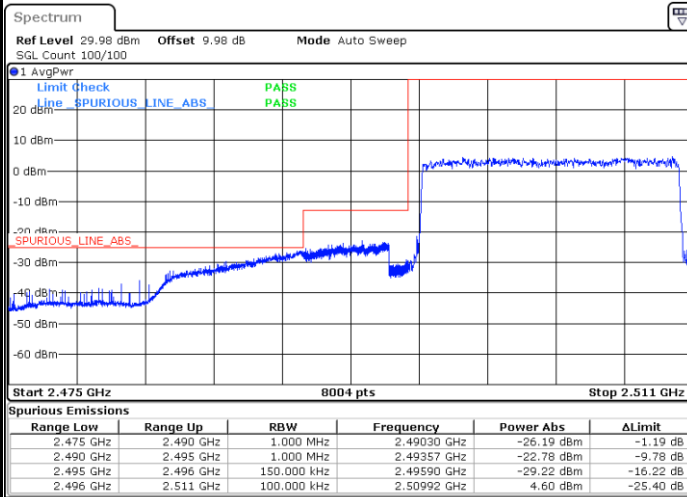
Date: 22 JAN 2022 23:16:05

Highest Band Edge / 1 RB



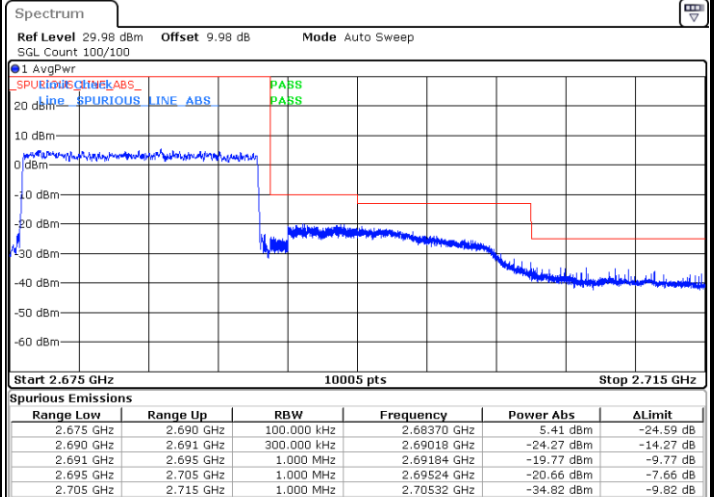
Date: 22 JAN 2022 22:22:06

Lowest Band Edge / Full RB



Date: 22 JAN 2022 22:16:59

Highest Band Edge / Full RB

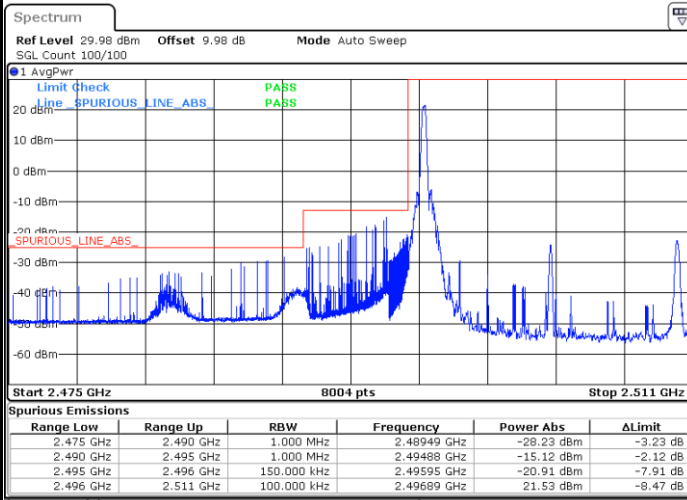


Date: 22 JAN 2022 22:30:36



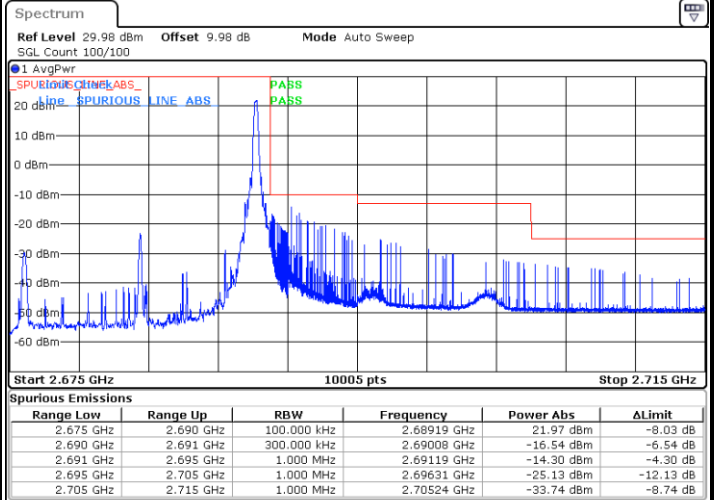
LTE Band 41 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



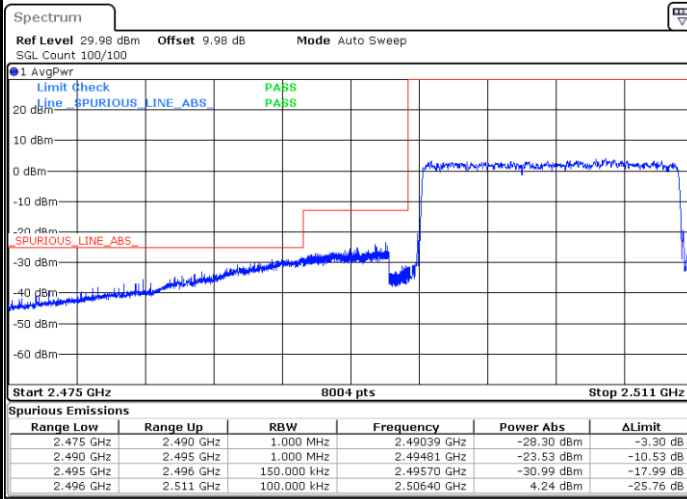
Date: 22 JAN 2022 23:16:47

Highest Band Edge / 1 RB



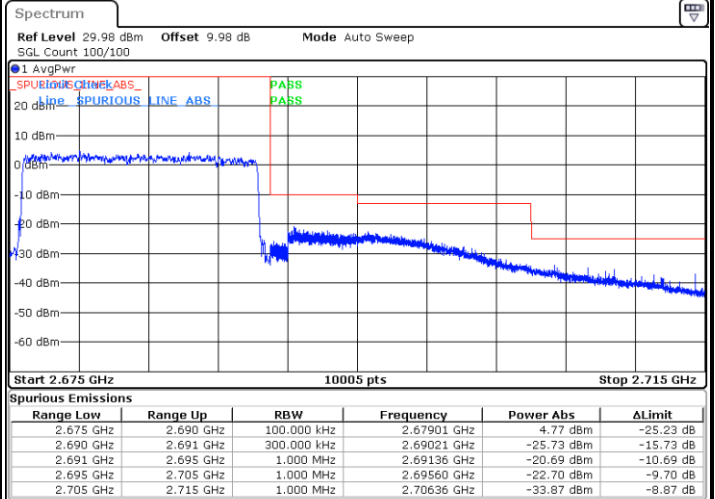
Date: 22 JAN 2022 22:23:48

Lowest Band Edge / Full RB



Date: 22 JAN 2022 22:15:17

Highest Band Edge / Full RB

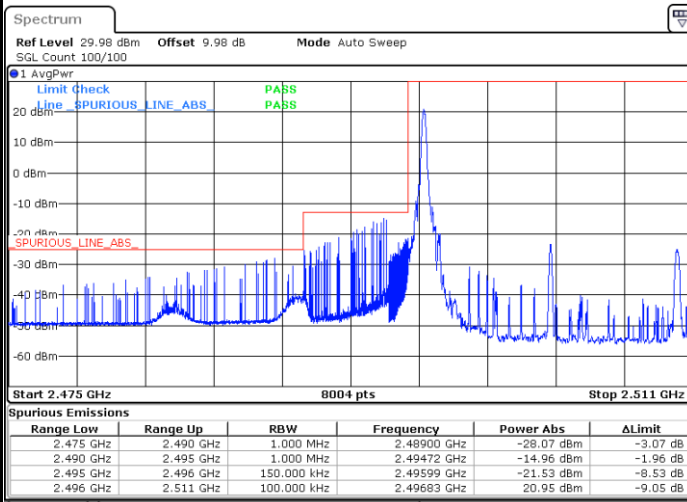


Date: 22 JAN 2022 22:28:54



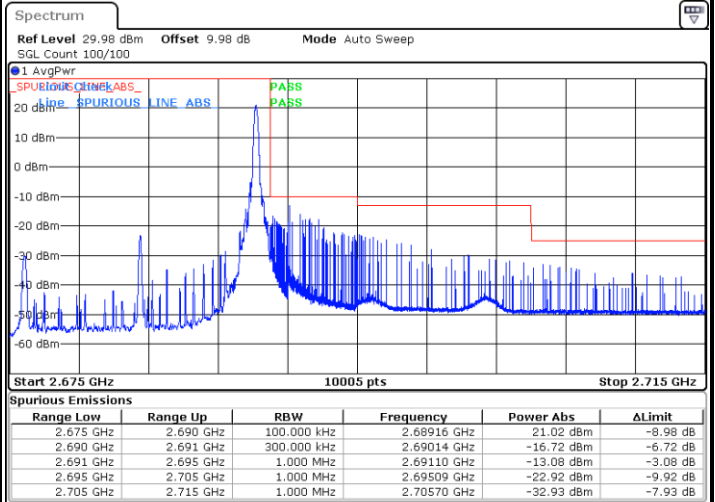
LTE Band 41 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



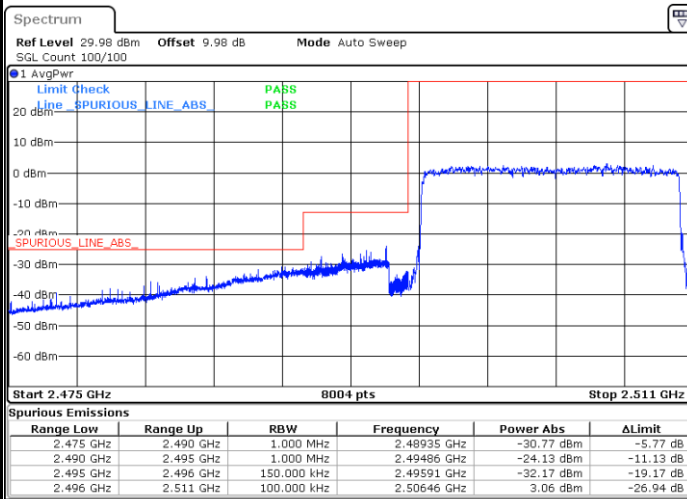
Date: 22 JAN 2022 22:11:52

Highest Band Edge / 1 RB



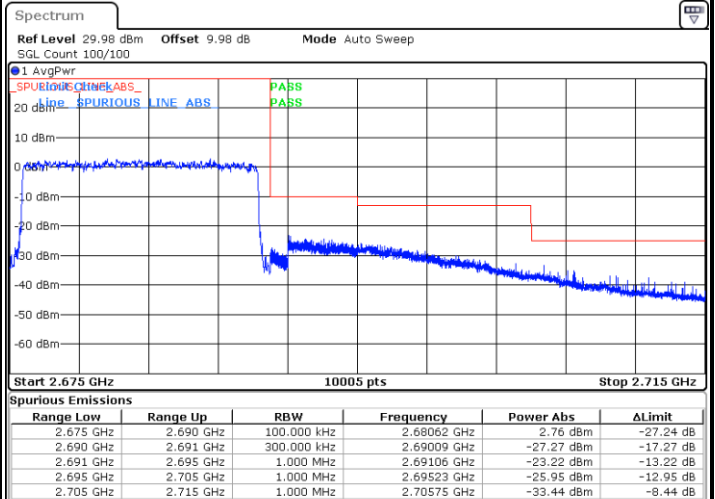
Date: 22 JAN 2022 22:25:30

Lowest Band Edge / Full RB



Date: 22 JAN 2022 22:13:35

Highest Band Edge / Full RB

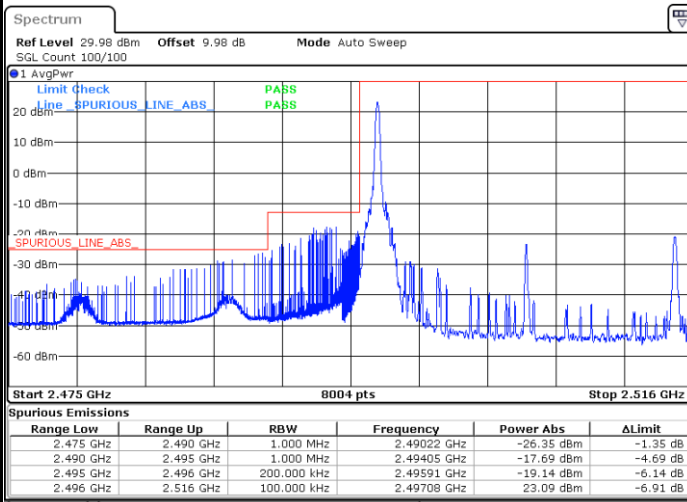


Date: 22 JAN 2022 22:27:12



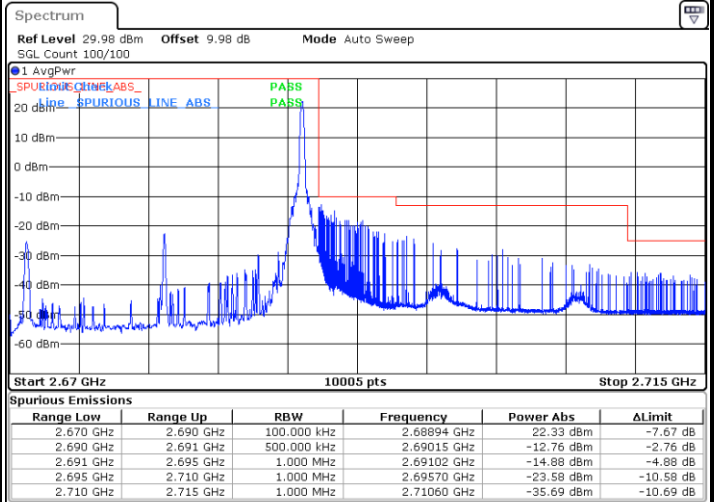
LTE Band 41 / 20MHz / QPSK

Lowest Band Edge / 1 RB



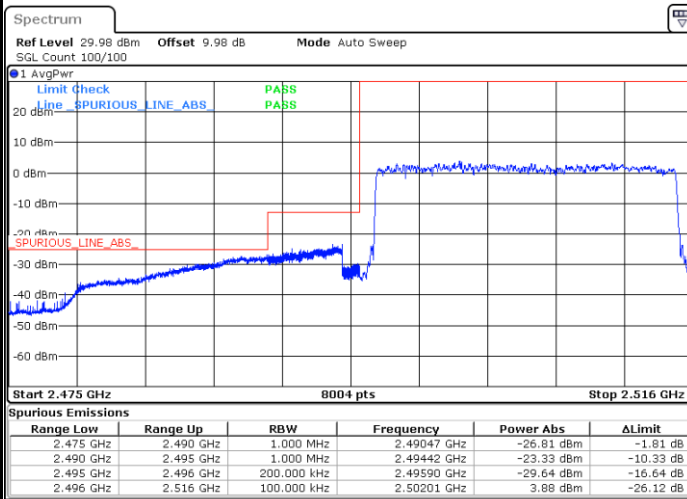
Date: 22 JAN 2022 22:34:01

Highest Band Edge / 1 RB



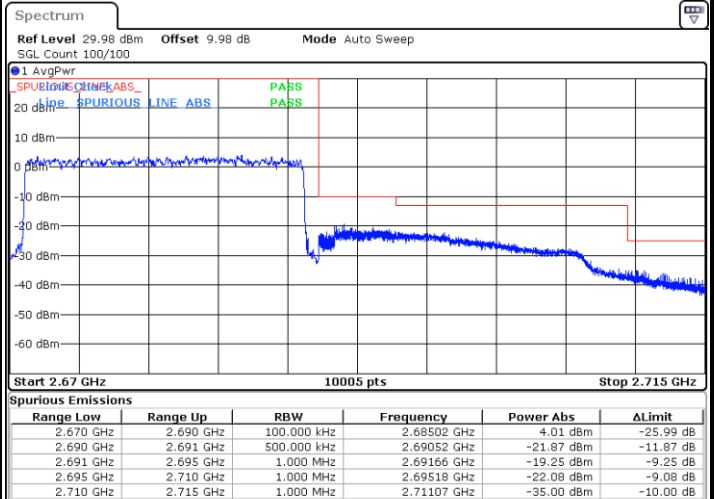
Date: 22 JAN 2022 22:47:43

Lowest Band Edge / Full RB



Date: 22 JAN 2022 22:42:34

Highest Band Edge / Full RB

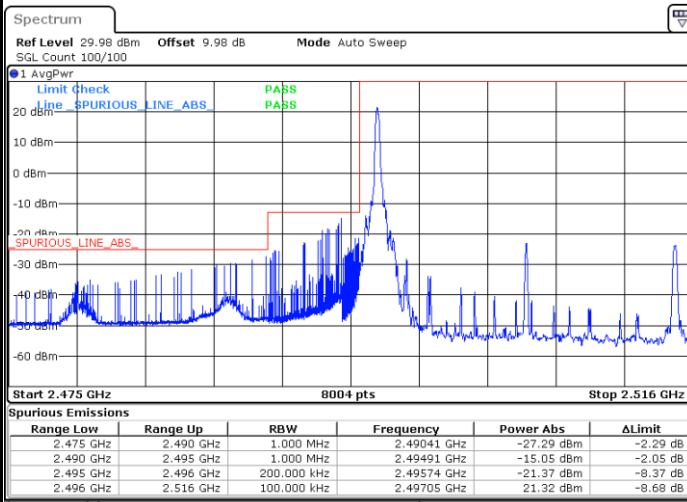


Date: 22 JAN 2022 22:56:13



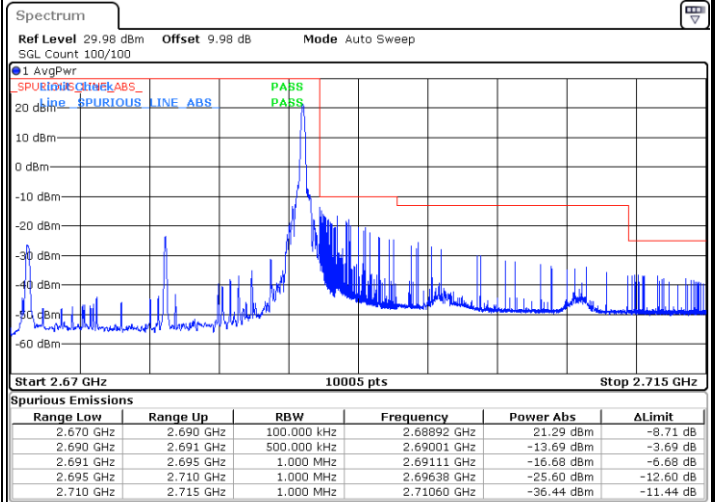
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



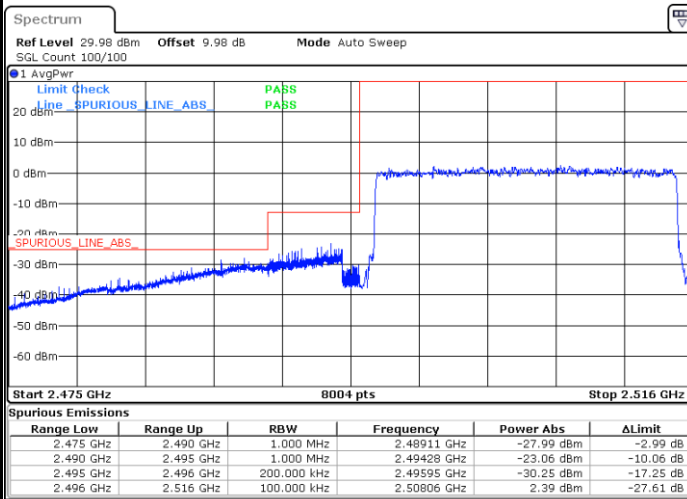
Date: 22 JAN 2022 22:35:43

Highest Band Edge / 1 RB



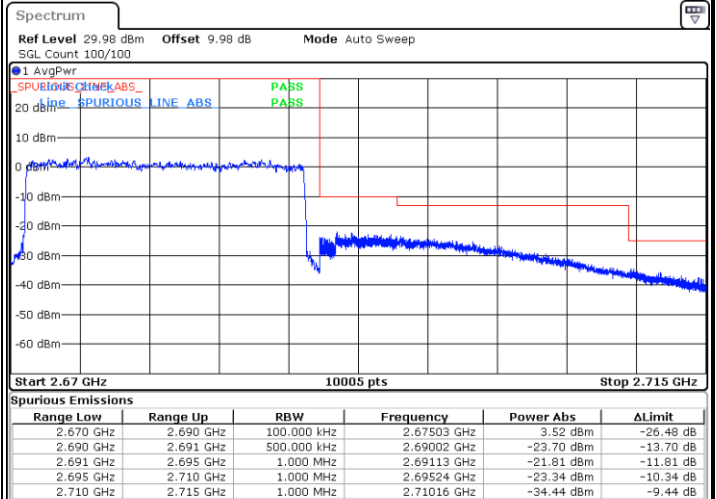
Date: 22 JAN 2022 22:49:25

Lowest Band Edge / Full RB



Date: 22 JAN 2022 22:40:51

Highest Band Edge / Full RB

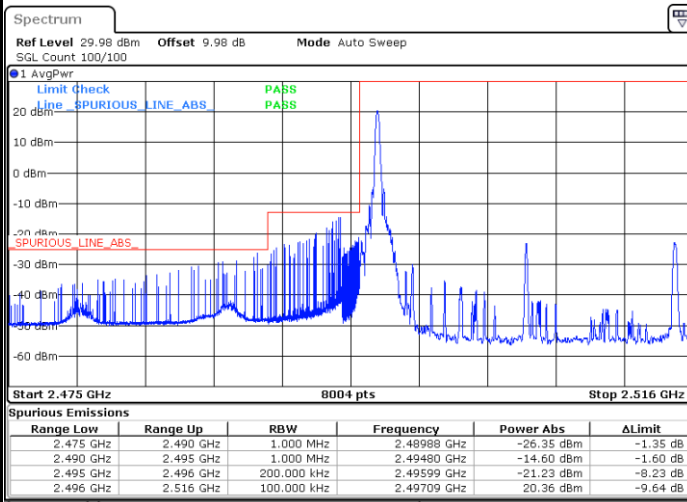


Date: 22 JAN 2022 22:54:31



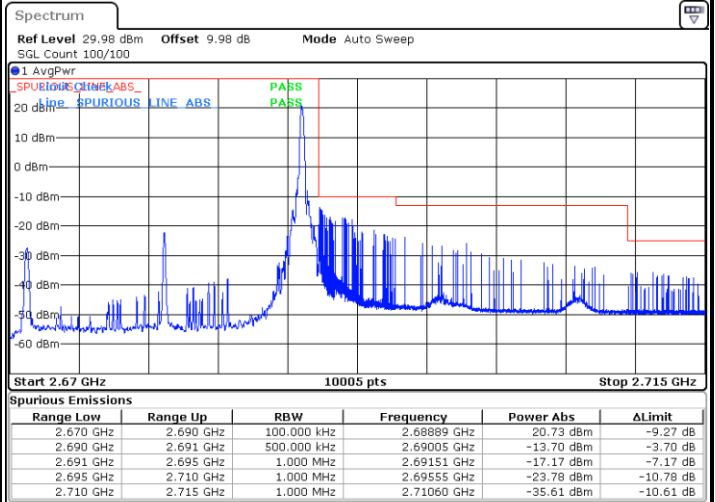
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



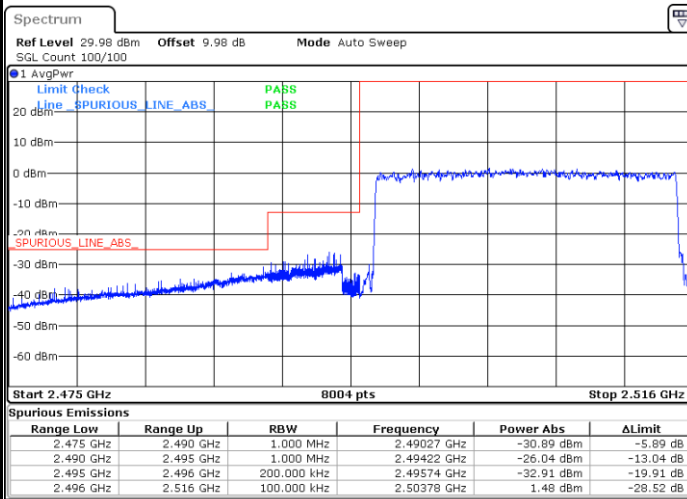
Date: 22 JAN 2022 22:37:26

Highest Band Edge / 1 RB



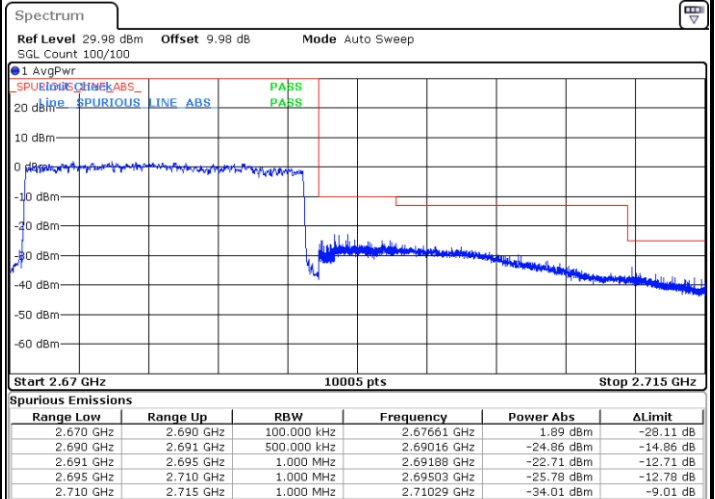
Date: 22 JAN 2022 22:51:07

Lowest Band Edge / Full RB



Date: 22 JAN 2022 22:39:08

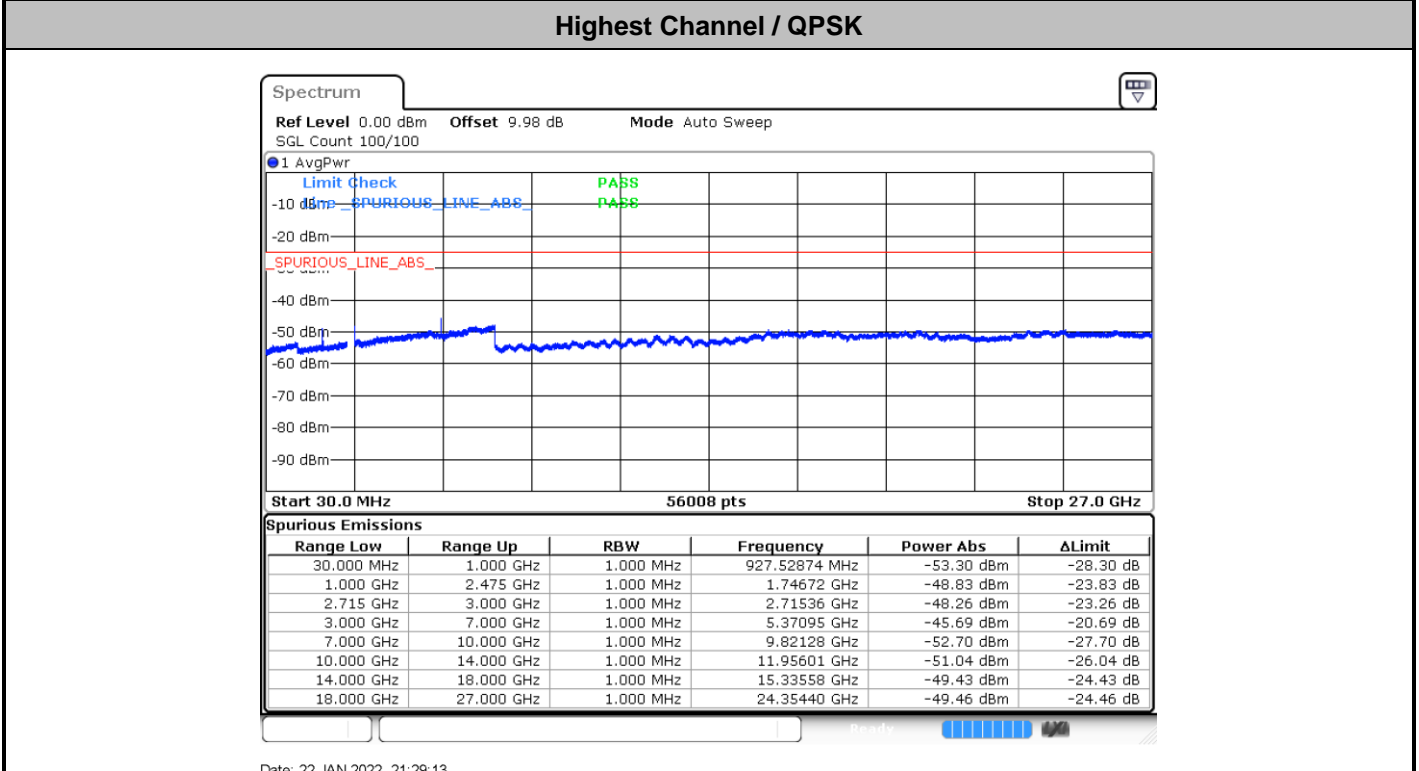
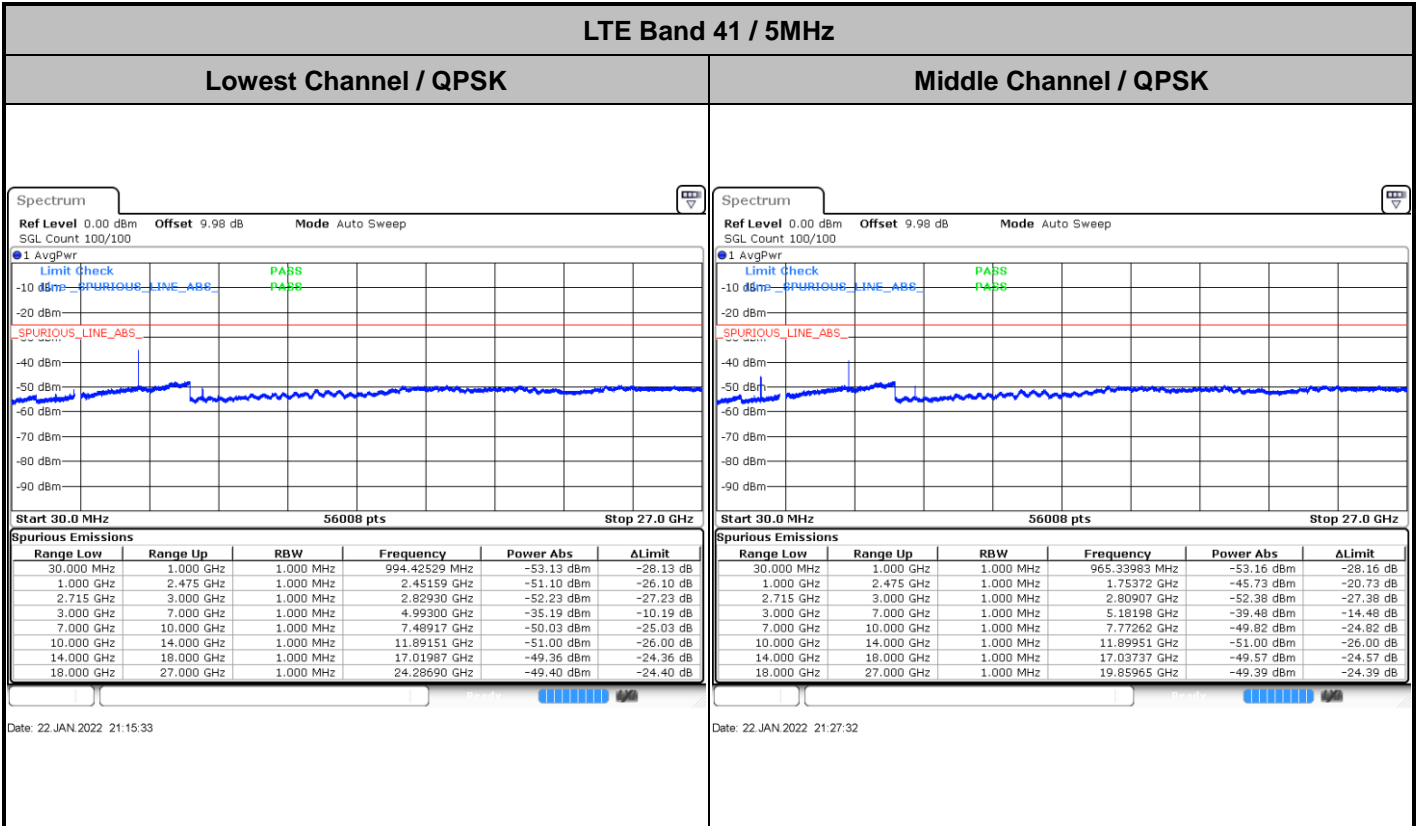
Highest Band Edge / Full RB



Date: 22 JAN 2022 22:52:49



Conducted Spurious Emission

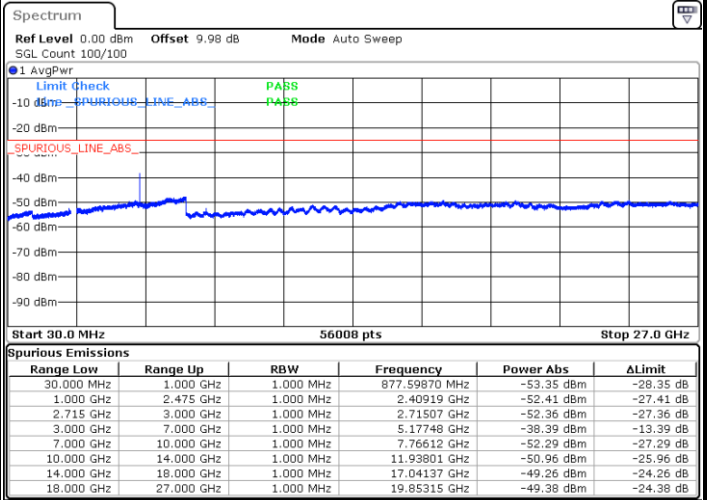
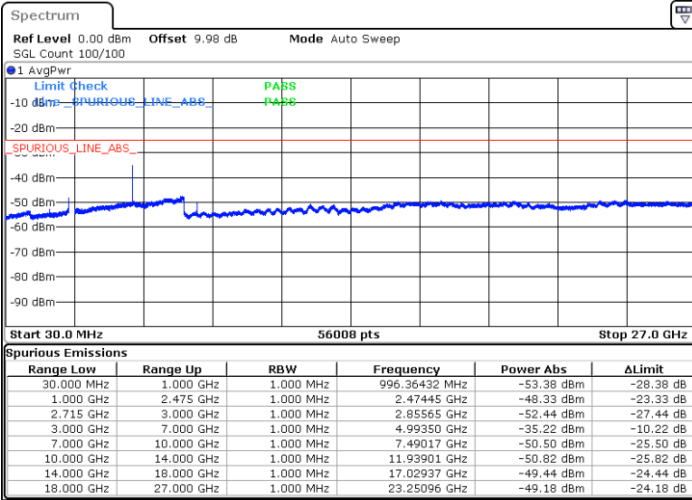




LTE Band 41 / 10MHz

Lowest Channel / QPSK

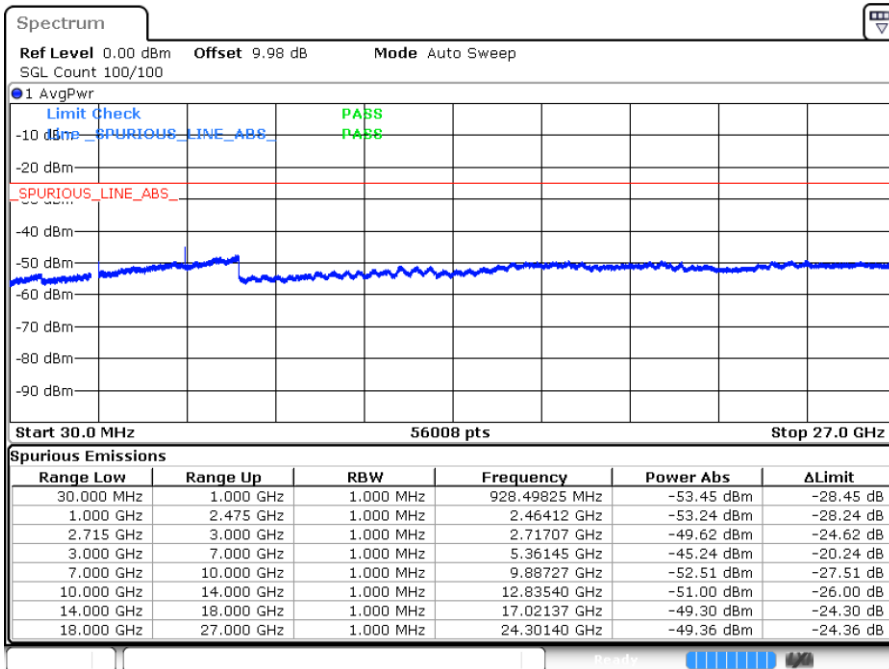
Middle Channel / QPSK



Date: 22 JAN 2022 21:41:10

Date: 22 JAN 2022 21:53:06

Highest Channel / QPSK



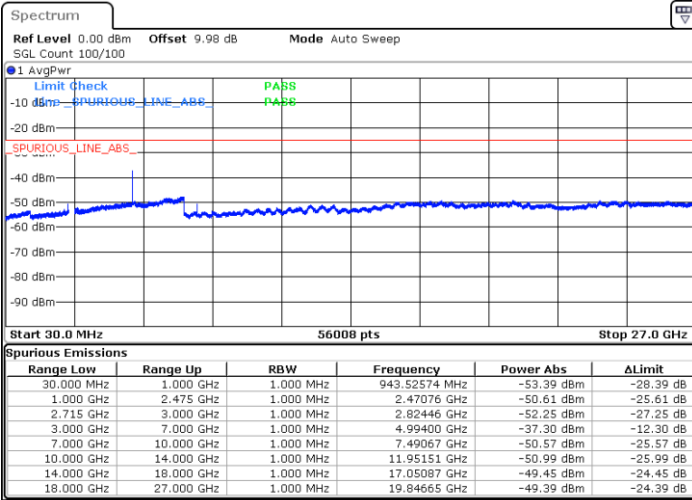
Date: 22 JAN 2022 21:54:48



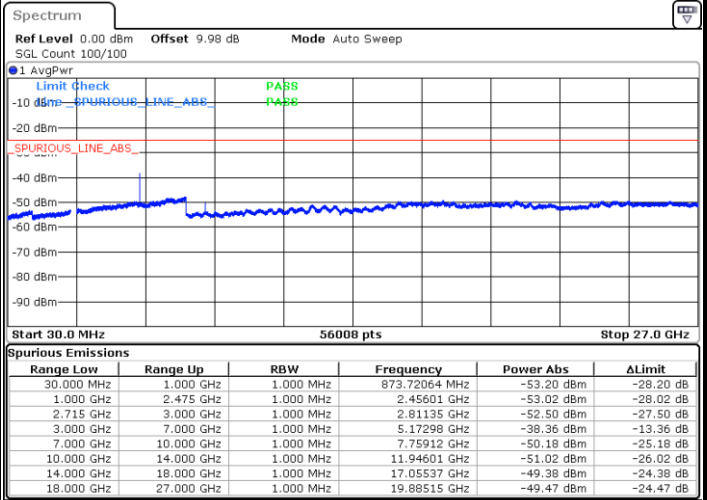
LTE Band 41 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

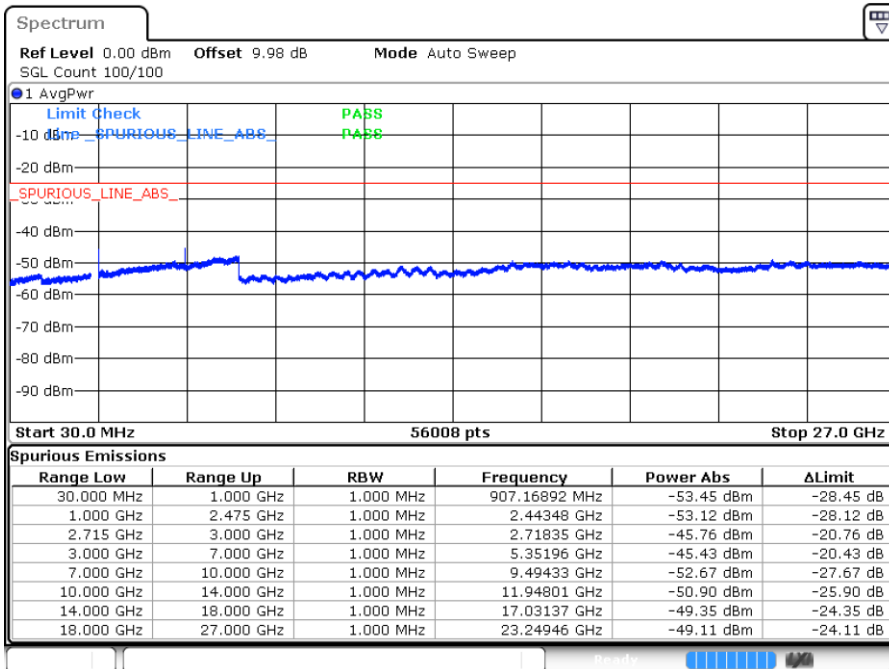


Date: 22 JAN 2022 22:06:42



Date: 22 JAN 2022 22:18:41

Highest Channel / QPSK



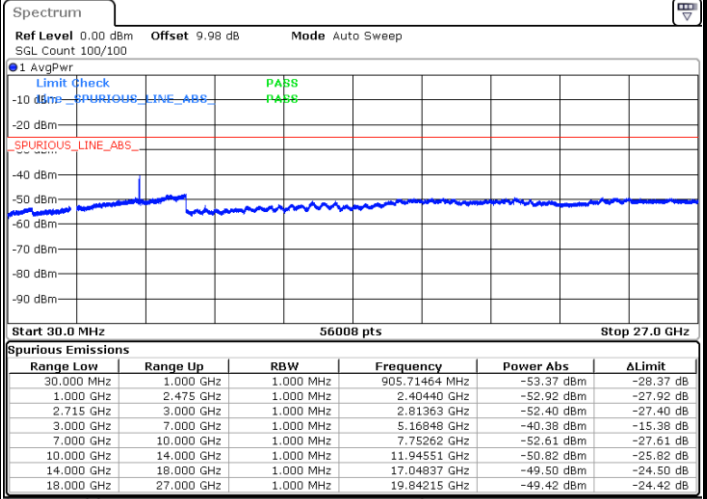
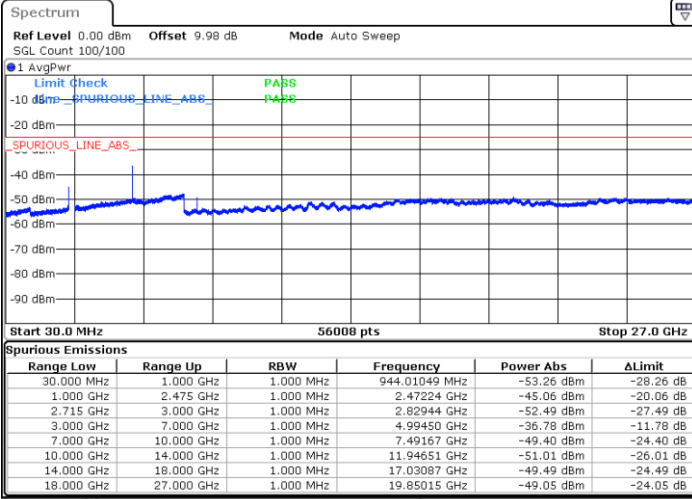
Date: 22 JAN 2022 22:20:23



LTE Band 41 / 20MHz

Lowest Channel / QPSK

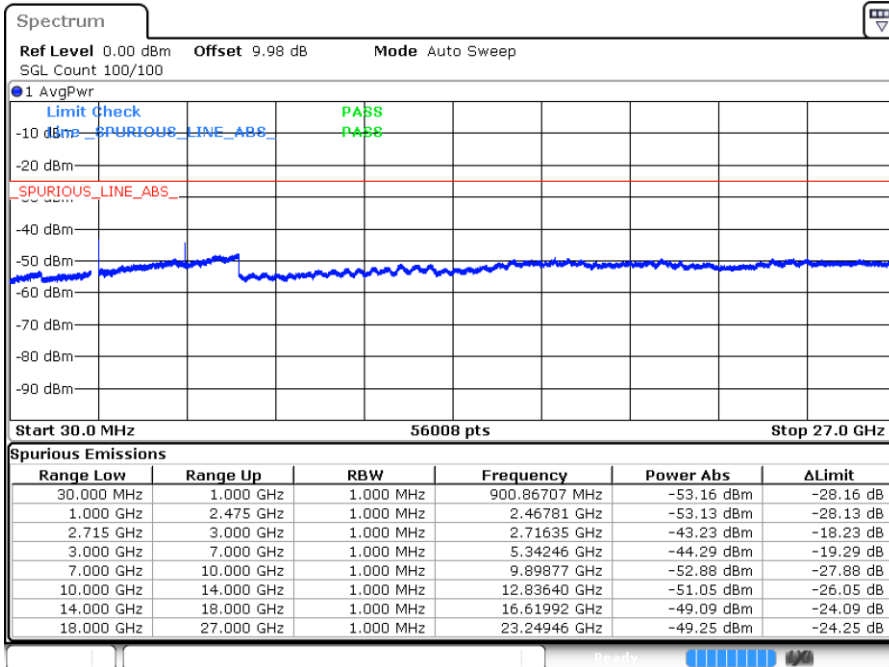
Middle Channel / QPSK



Date: 22 JAN 2022 22:32:18

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:

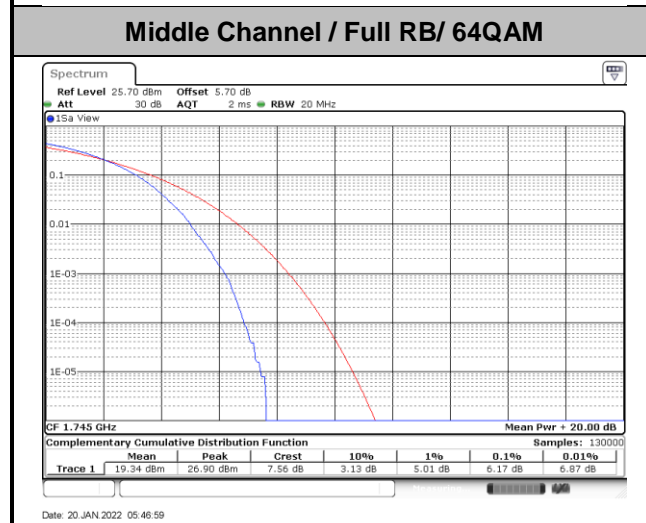
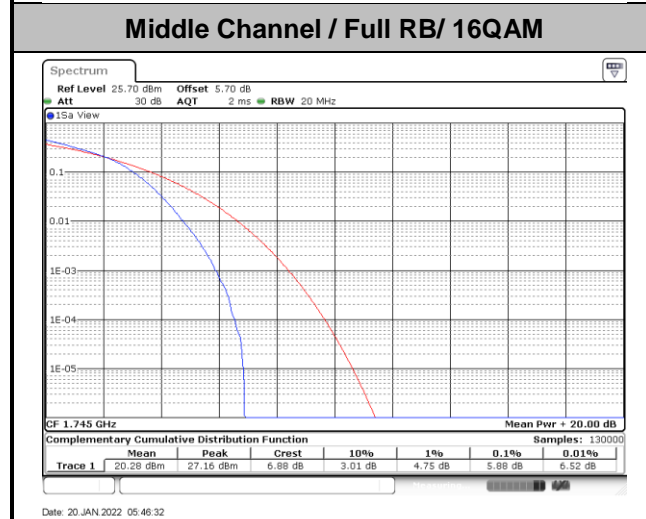
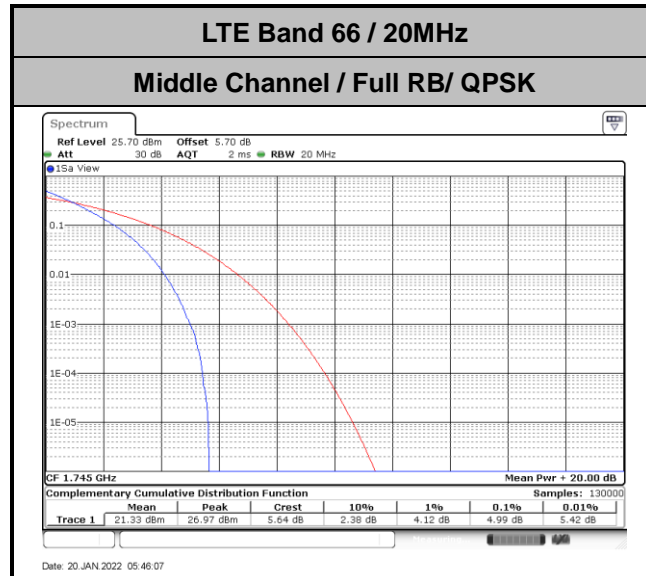
1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.35 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



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





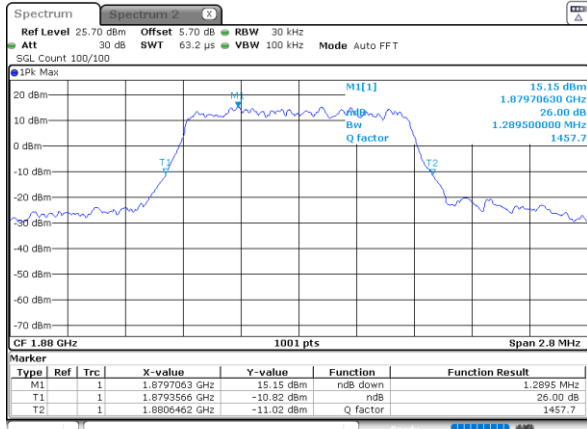
26dB Bandwidth

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



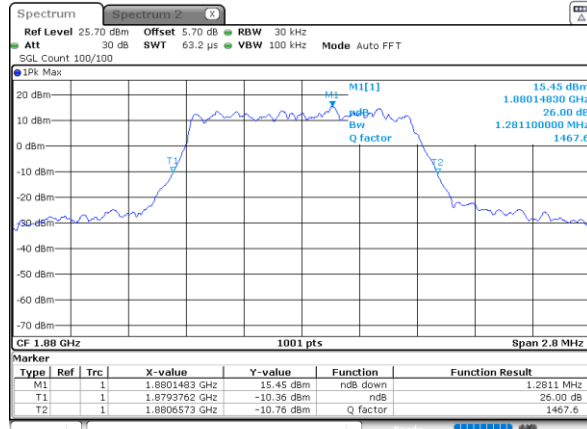
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 22_JAN_2022 14:19:08

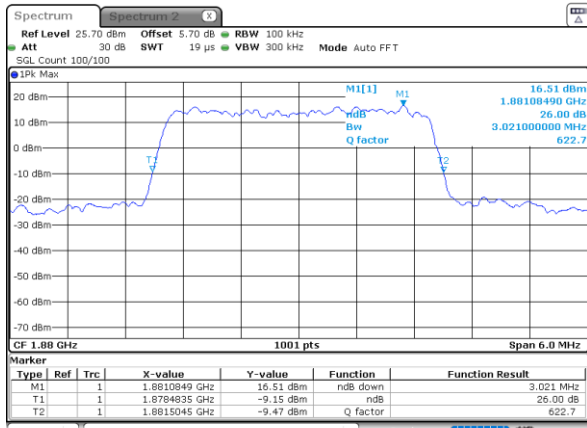
Middle Channel / 1.4MHz / 16QAM



Date: 22_JAN_2022 14:19:30

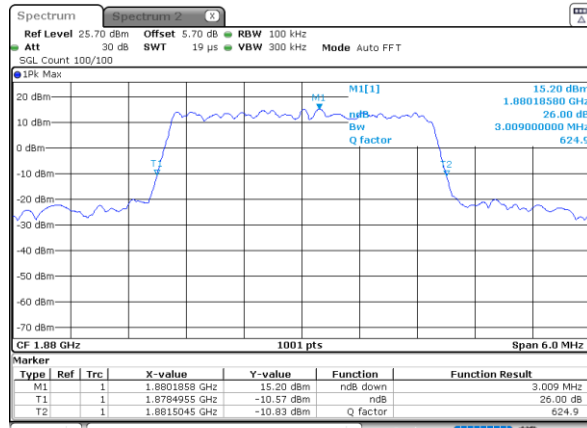
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 22_JAN_2022 14:20:14

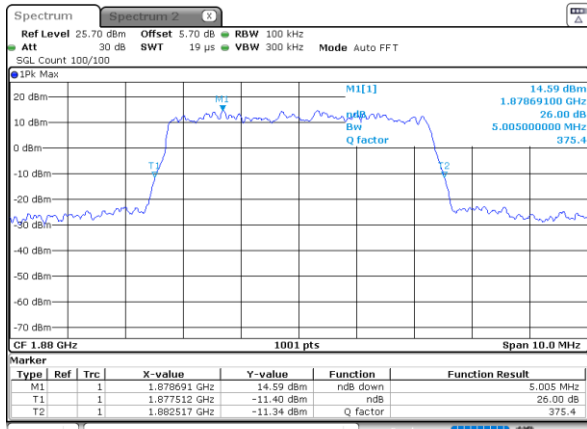
Middle Channel / 3MHz / 16QAM



Date: 22_JAN_2022 14:19:52

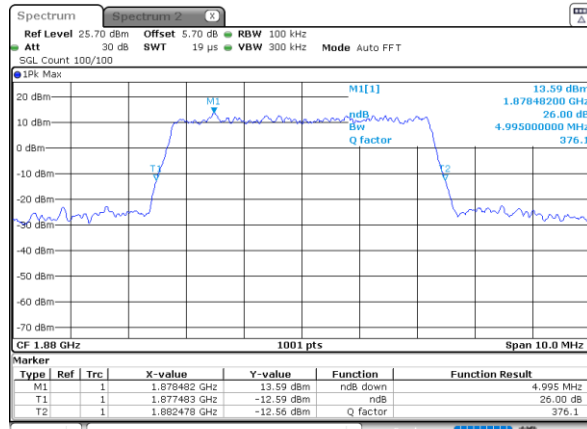
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 22_JAN_2022 14:20:36

Middle Channel / 5MHz / 16QAM

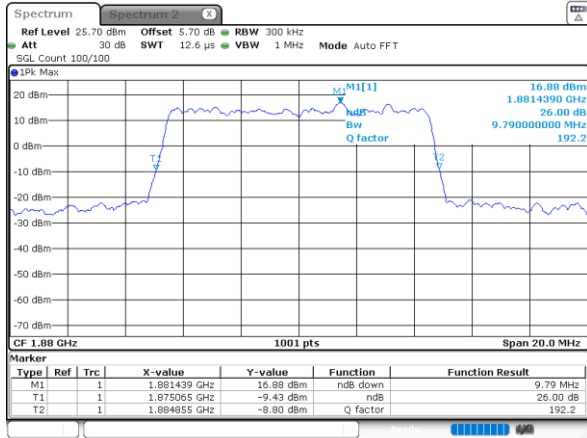


Date: 22_JAN_2022 14:20:58



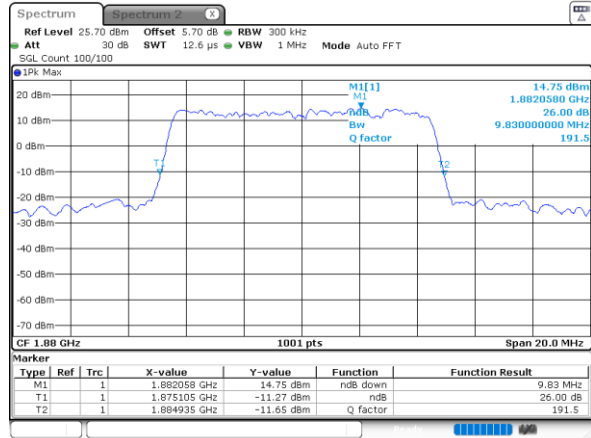
LTE Band 66

Middle Channel / 10MHz / QPSK



Date: 22_JAN_2022 14:21:42

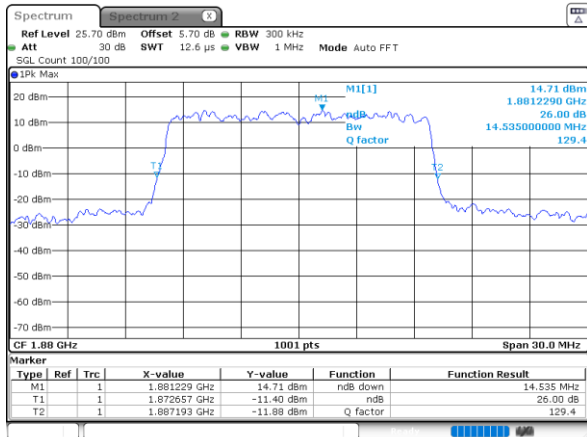
Middle Channel / 10MHz / 16QAM



Date: 22_JAN_2022 14:21:20

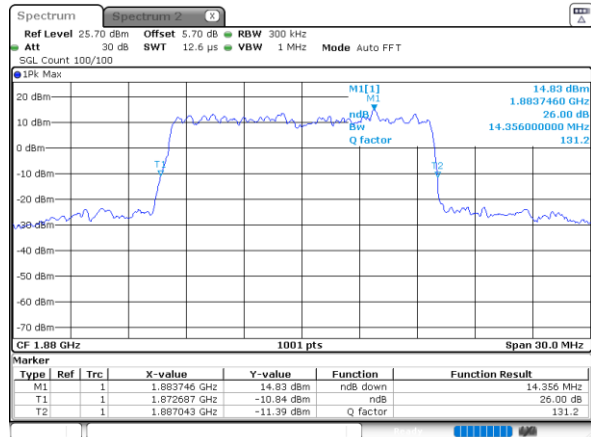
LTE Band 66

Middle Channel / 15MHz / QPSK



Date: 22_JAN_2022 14:22:04

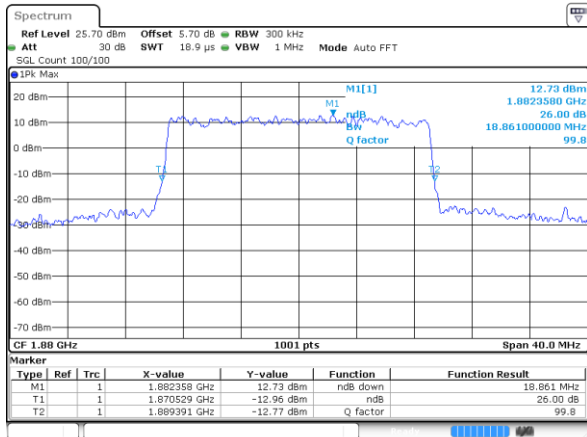
Middle Channel / 15MHz / 16QAM



Date: 22_JAN_2022 14:22:26

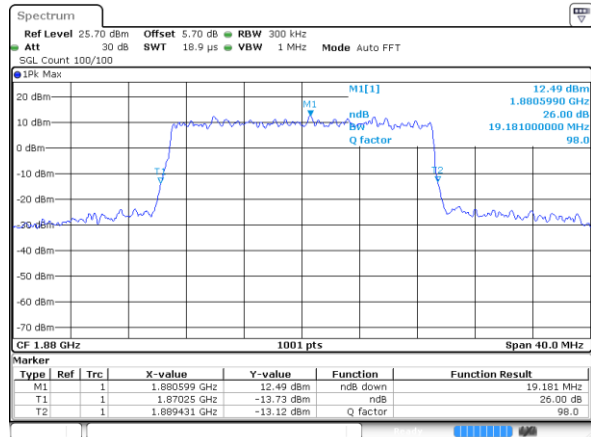
LTE Band 66

Middle Channel / 20MHz / QPSK



Date: 20_JAN_2022 03:22:05

Middle Channel / 20MHz / 16QAM



Date: 20_JAN_2022 03:23:24



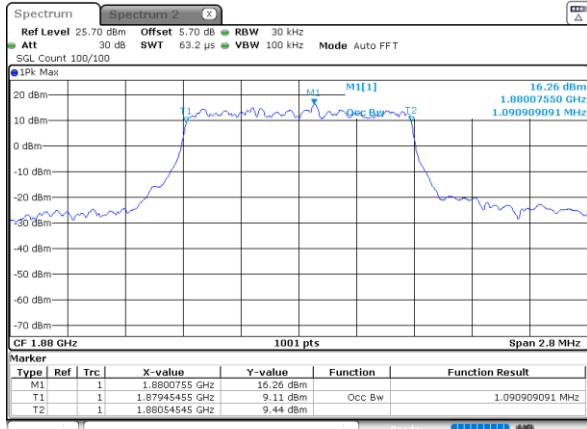
Occupied Bandwidth

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



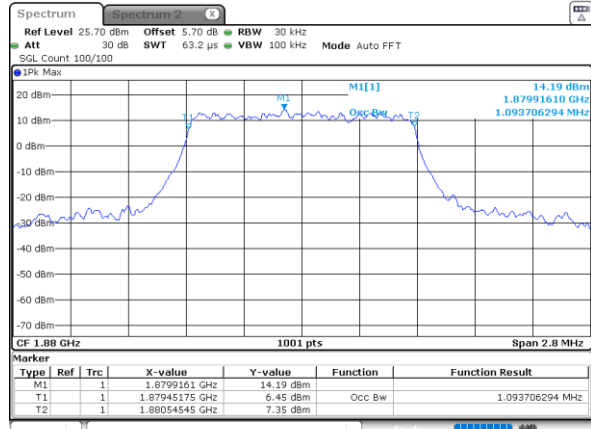
LTE Band 66

Middle Channel / 1.4MHz / QPSK



Date: 22_JAN_2022 14:10:37

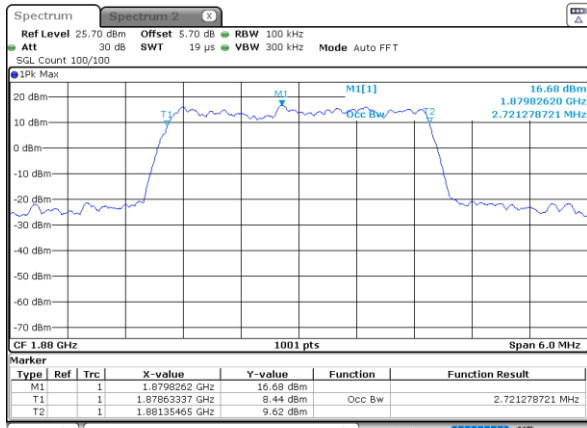
Middle Channel / 1.4MHz / 16QAM



Date: 22_JAN_2022 14:10:59

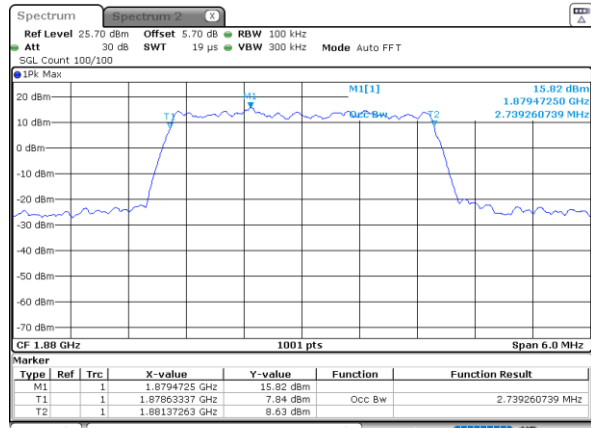
LTE Band 66

Middle Channel / 3MHz / QPSK



Date: 22_JAN_2022 14:11:43

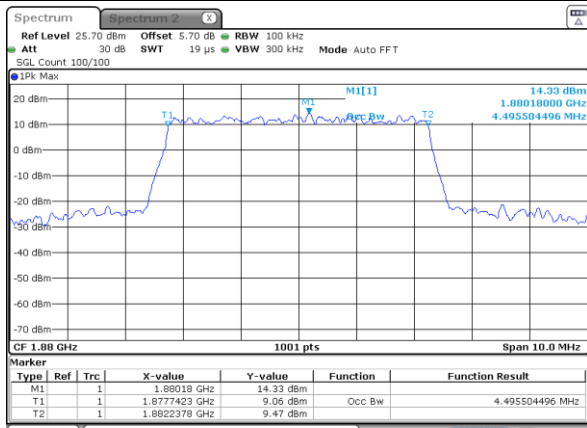
Middle Channel / 3MHz / 16QAM



Date: 22_JAN_2022 14:11:21

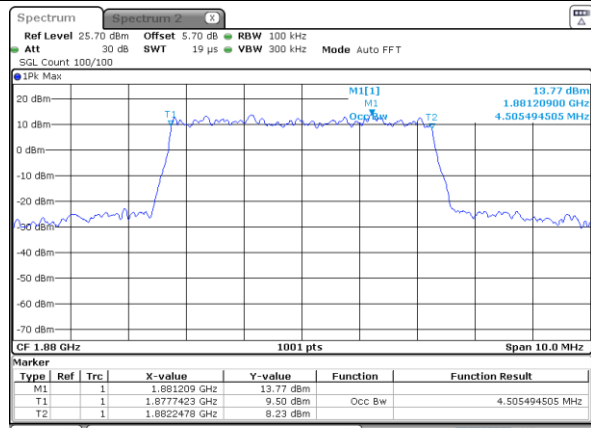
LTE Band 66

Middle Channel / 5MHz / QPSK



Date: 22_JAN_2022 14:12:05

Middle Channel / 5MHz / 16QAM



Date: 22_JAN_2022 14:12:27