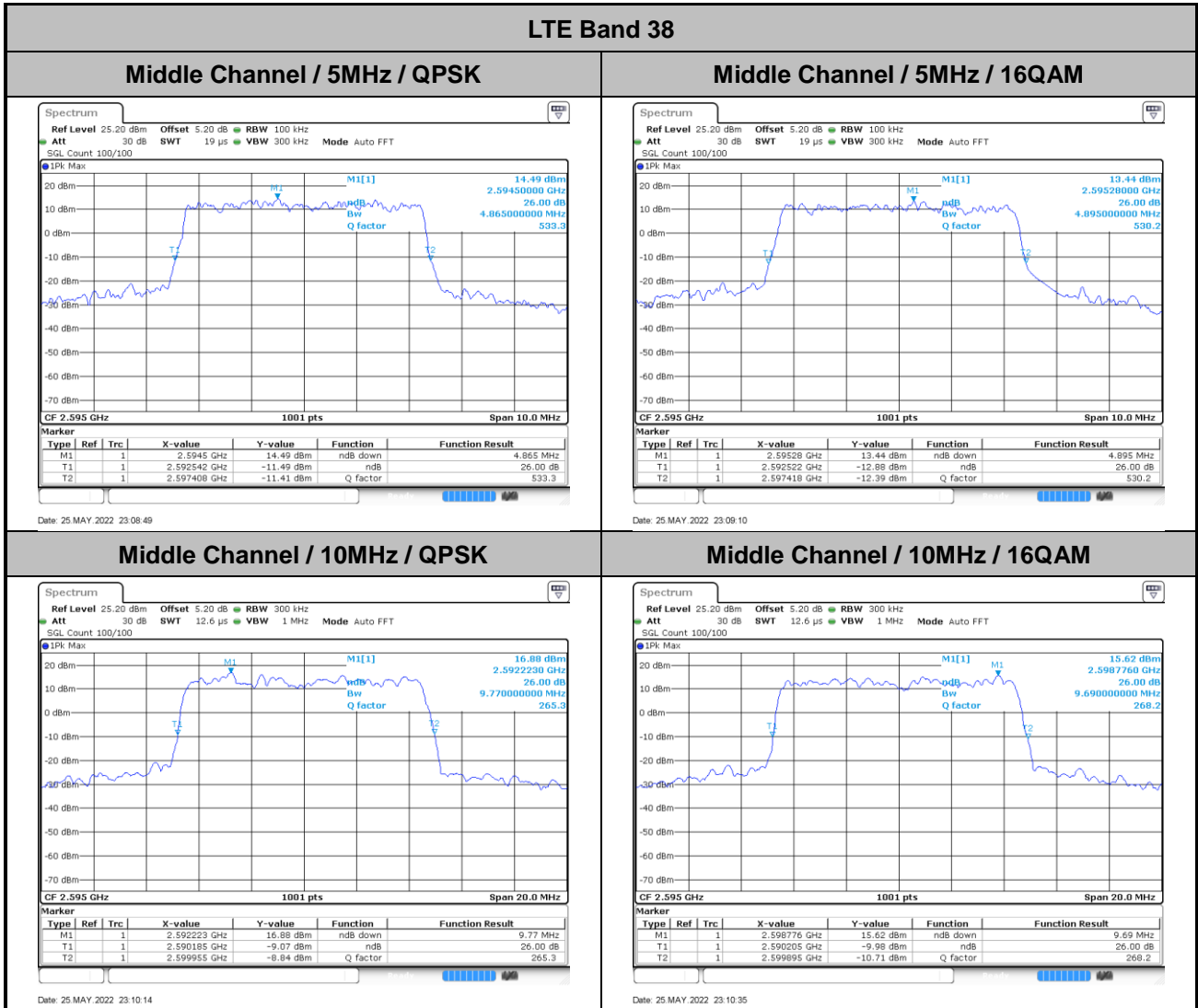




26dB Bandwidth

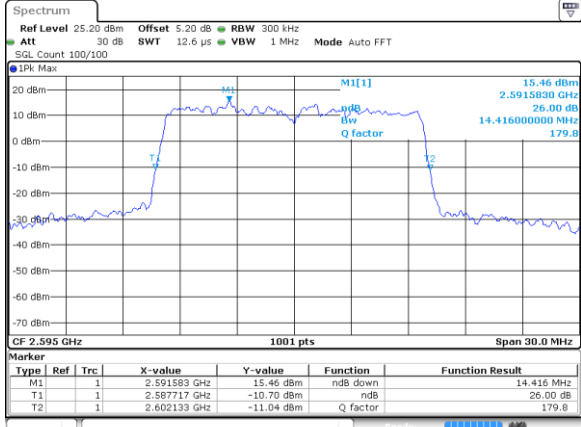
Mode	LTE Band 38 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.87	4.90	9.77	9.69	14.42	14.30	19.06	19.18





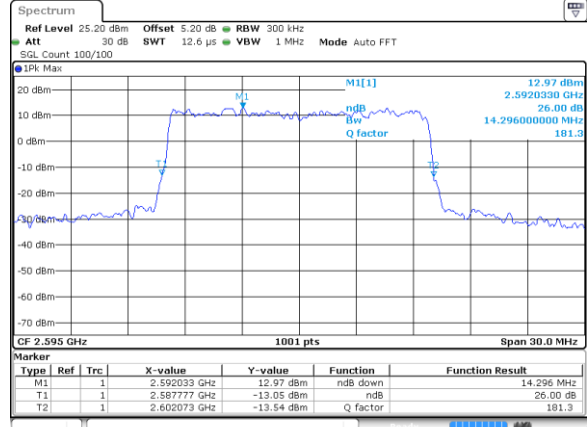
LTE Band 38

Middle Channel / 15MHz / QPSK



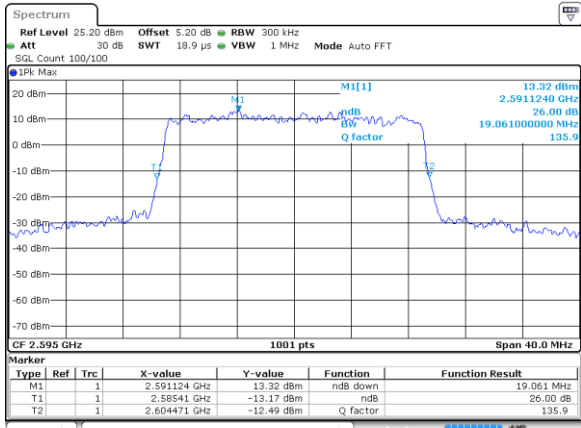
Date: 25 MAY 2022 23:11:39

Middle Channel / 15MHz / 16QAM



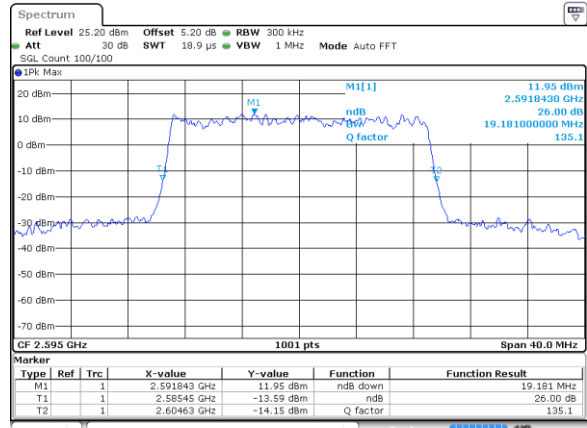
Date: 25 MAY 2022 23:12:00

Middle Channel / 20MHz / QPSK



Date: 25 MAY 2022 23:13:04

Middle Channel / 20MHz / 16QAM

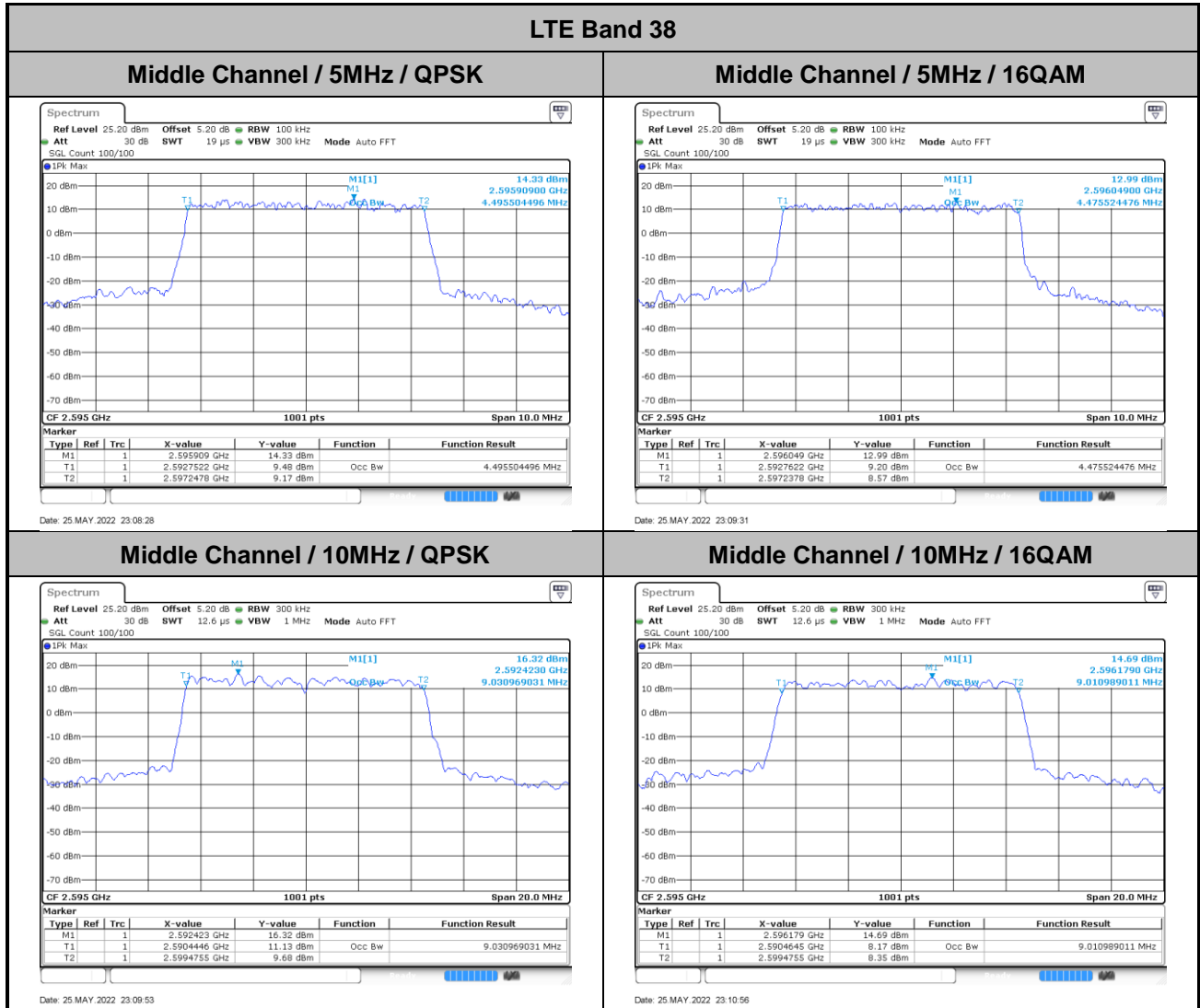


Date: 25 MAY 2022 23:13:25



Occupied Bandwidth

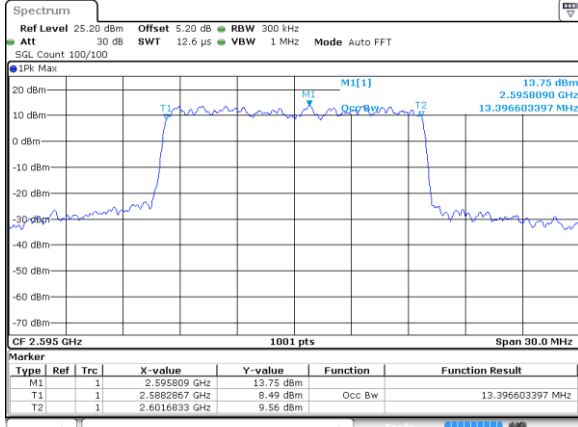
Mode	LTE Band 38 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.50	4.48	9.03	9.01	13.40	14.43	17.94	17.94





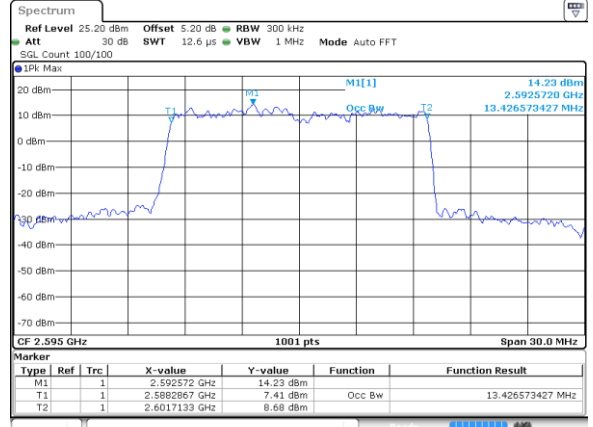
LTE Band 38

Middle Channel / 15MHz / QPSK



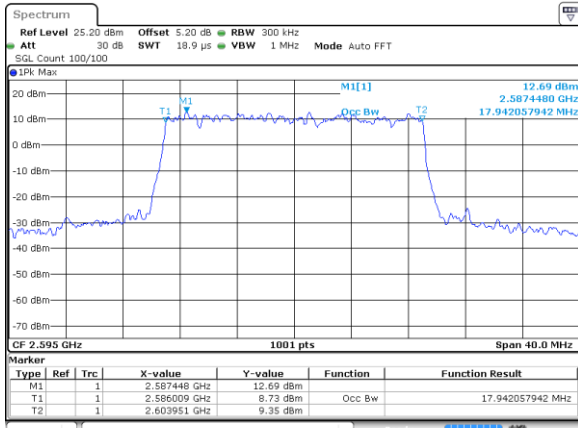
Date: 25 MAY 2022 23:11:18

Middle Channel / 15MHz / 16QAM



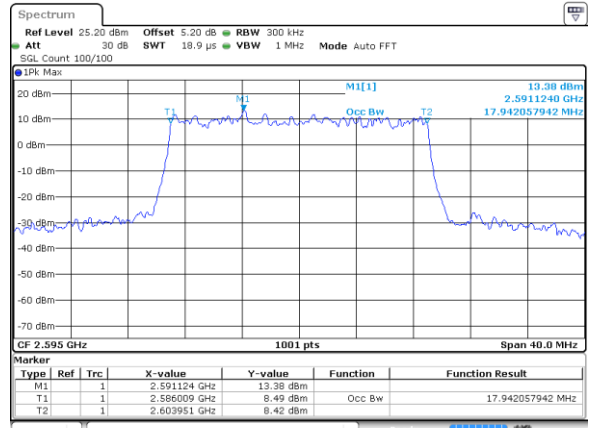
Date: 25 MAY 2022 23:12:21

Middle Channel / 20MHz / QPSK



Date: 25 MAY 2022 23:12:43

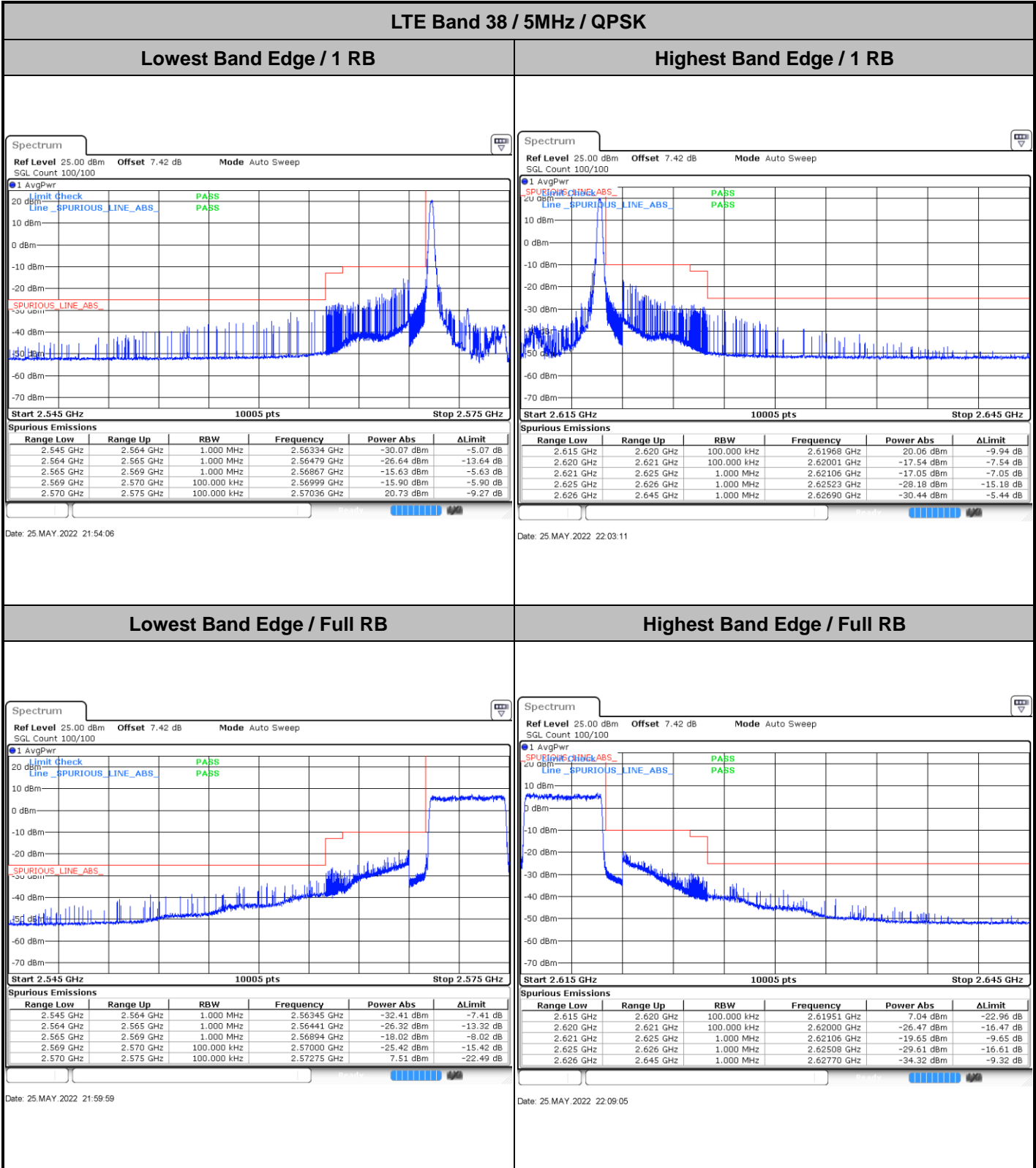
Middle Channel / 20MHz / 16QAM



Date: 25 MAY 2022 23:13:46



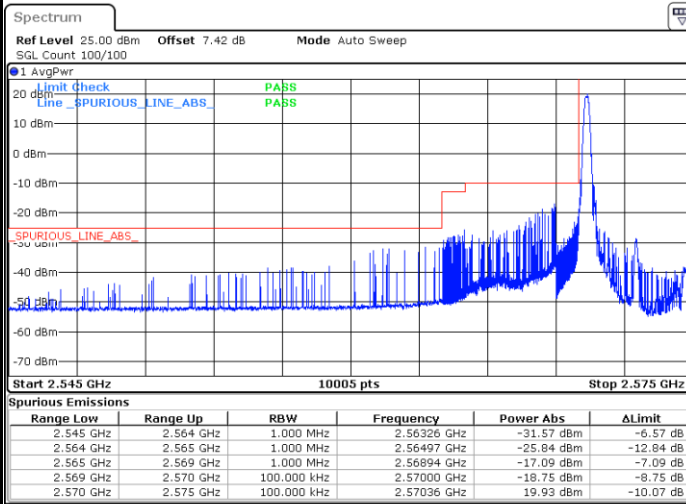
Conducted Band Edge





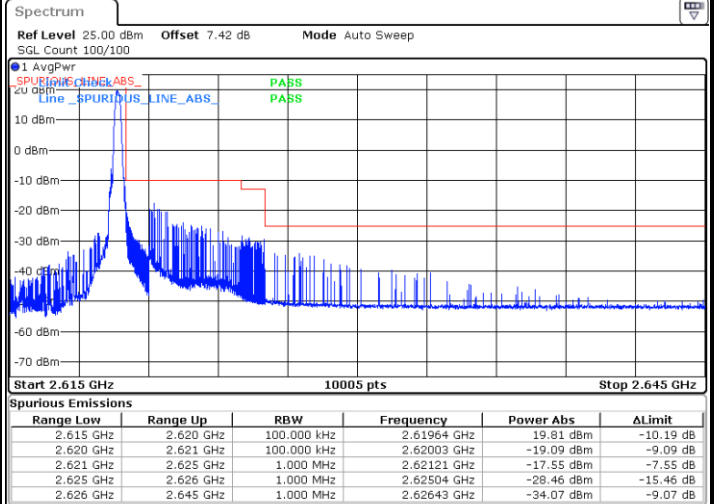
LTE Band 38 / 5MHz / 16QAM

Lowest Band Edge / 1RB



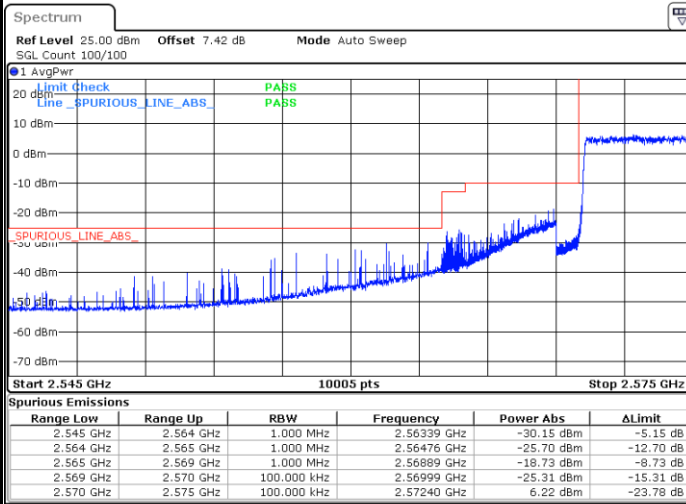
Date: 25 MAY 2022 21:55:17

Highest Band Edge / 1 RB



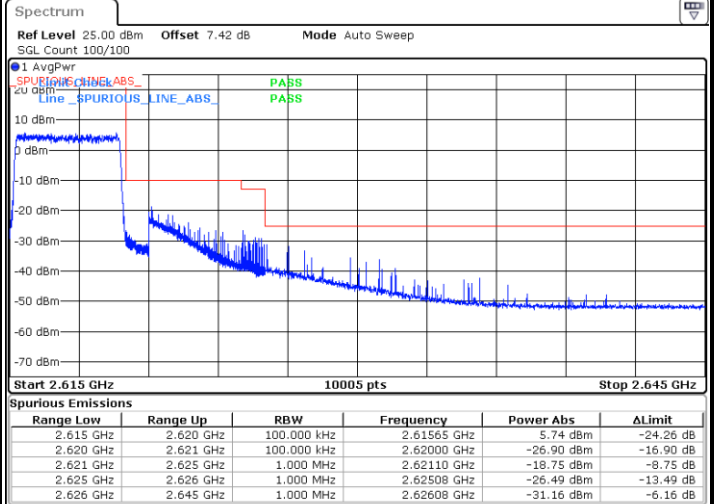
Date: 25 MAY 2022 22:04:22

Lowest Band Edge / Full RB



Date: 25 MAY 2022 21:58:48

Highest Band Edge / Full RB

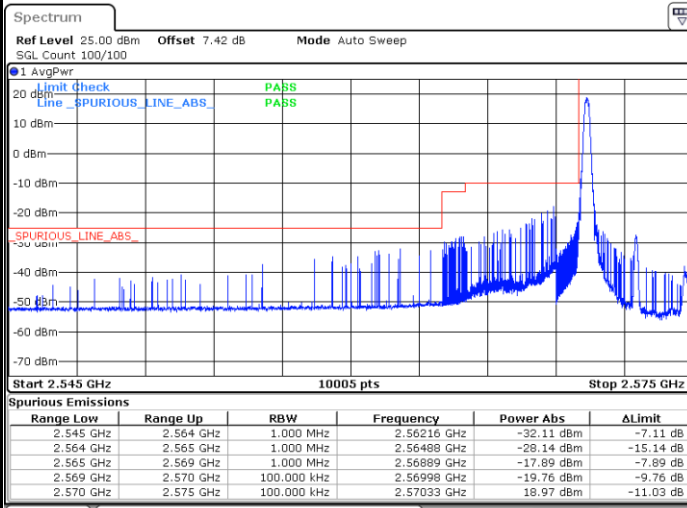


Date: 25 MAY 2022 22:07:54



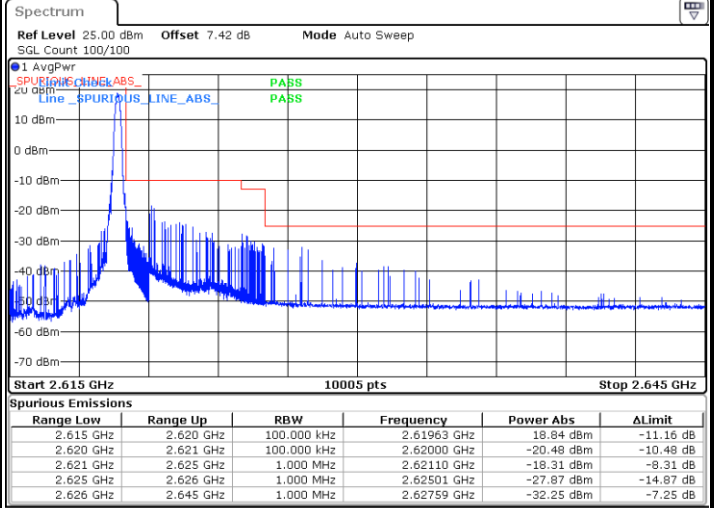
LTE Band 38 / 5MHz / 64QAM

Lowest Band Edge / 1RB



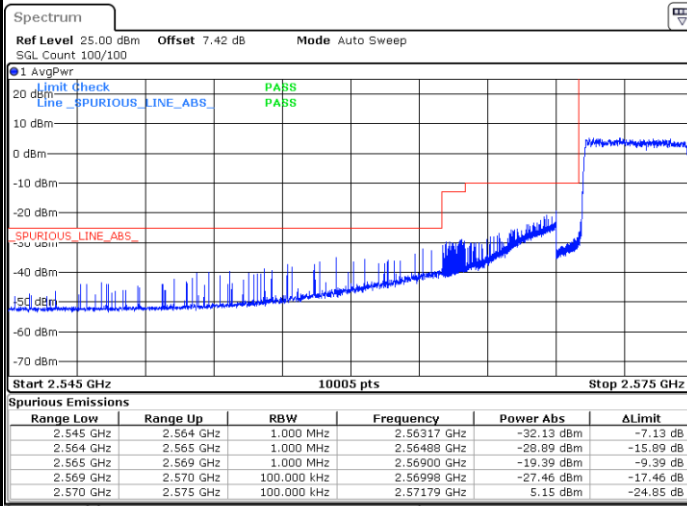
Date: 25 MAY 2022 21:56:27

Highest Band Edge / 1 RB



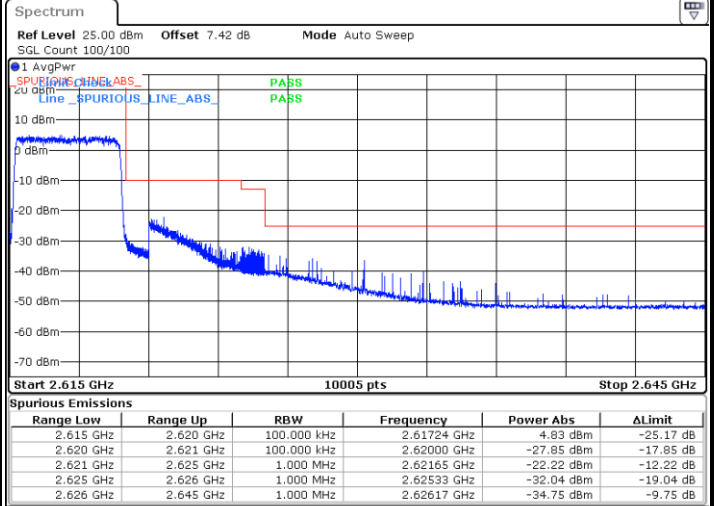
Date: 25 MAY 2022 22:05:33

Lowest Band Edge / Full RB



Date: 25 MAY 2022 21:57:38

Highest Band Edge / Full RB

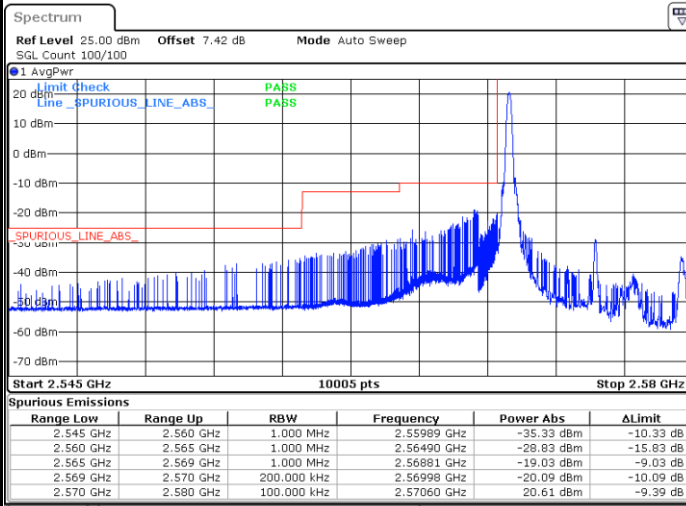


Date: 25 MAY 2022 22:06:44



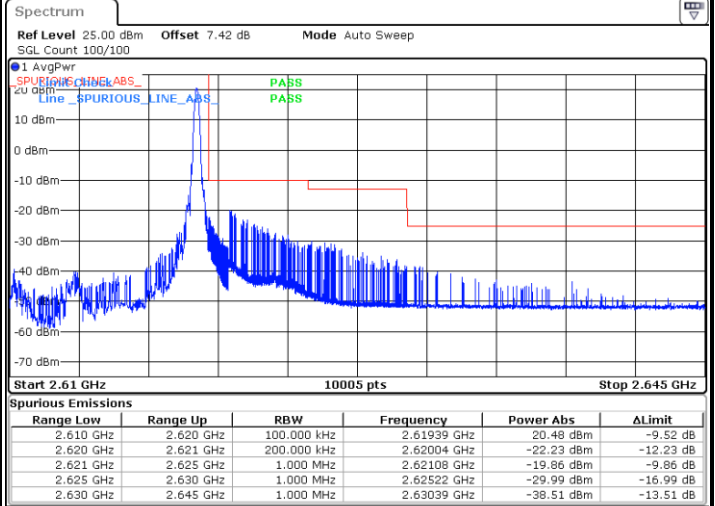
LTE Band 38 / 10MHz / QPSK

Lowest Band Edge / 1 RB



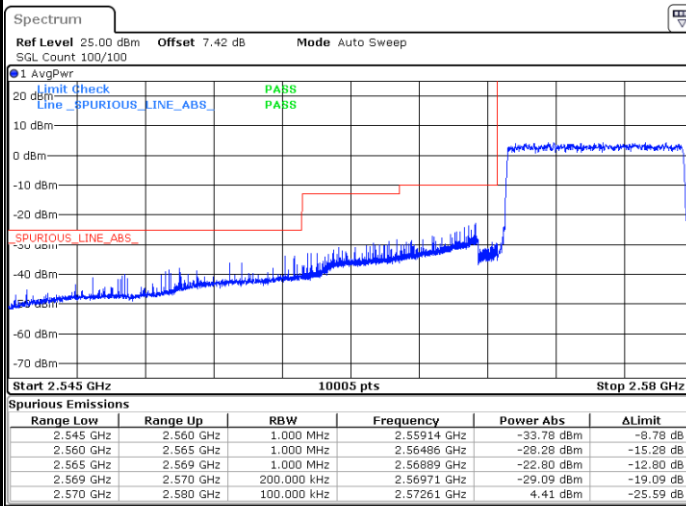
Date: 25 MAY 2022 22:11:17

Highest Band Edge / 1 RB



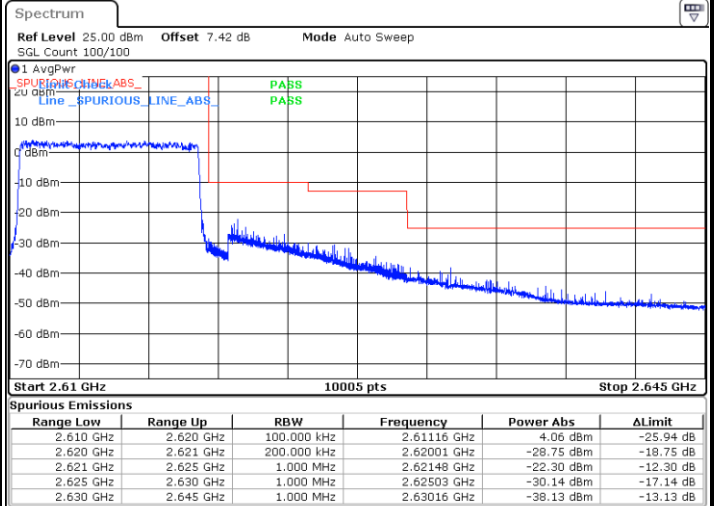
Date: 25 MAY 2022 22:20:22

Lowest Band Edge / Full RB



Date: 25 MAY 2022 22:17:10

Highest Band Edge / Full RB

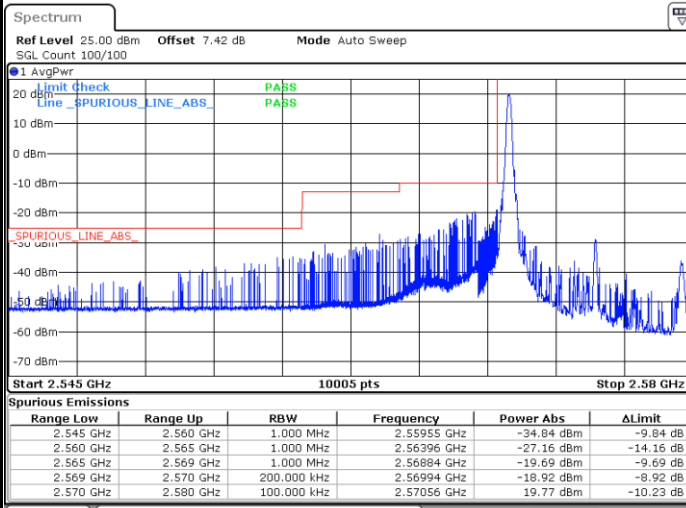


Date: 25 MAY 2022 22:41:55



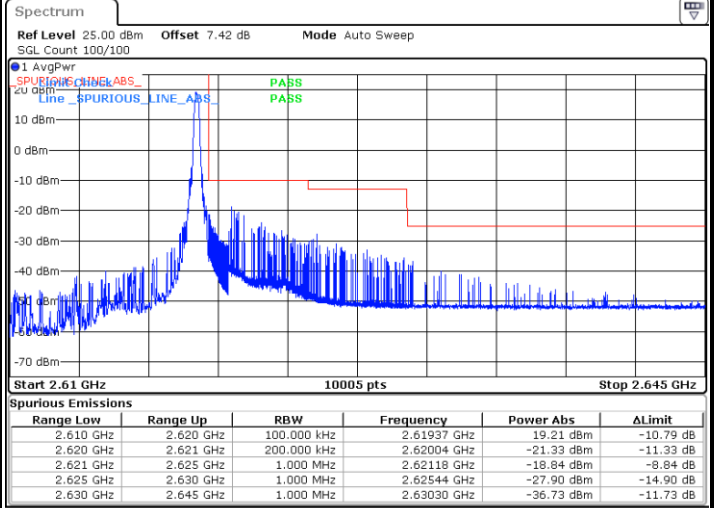
LTE Band 38 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



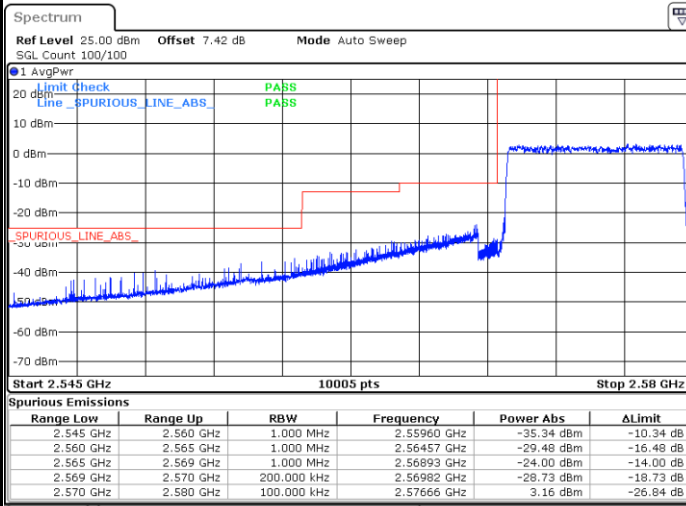
Date: 25 MAY 2022 22:12:28

Highest Band Edge / 1 RB



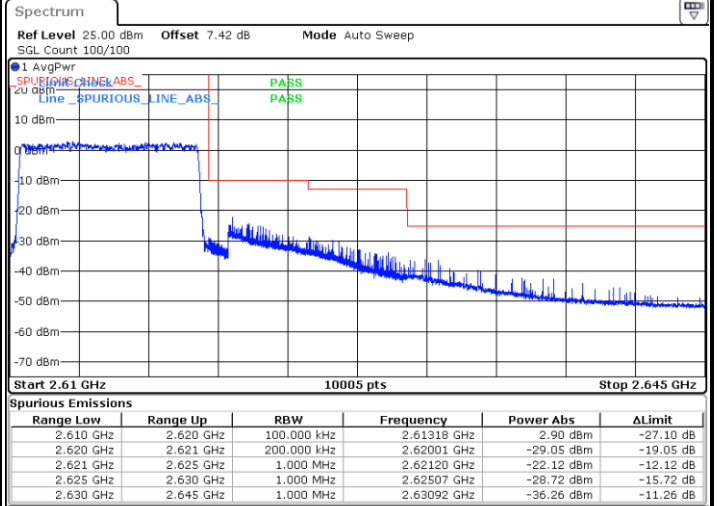
Date: 25 MAY 2022 22:21:33

Lowest Band Edge / Full RB



Date: 25 MAY 2022 22:16:00

Highest Band Edge / Full RB

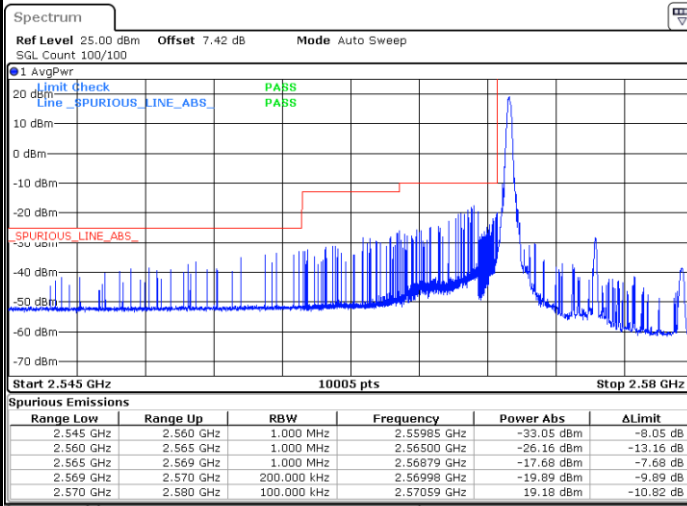


Date: 25 MAY 2022 22:40:44



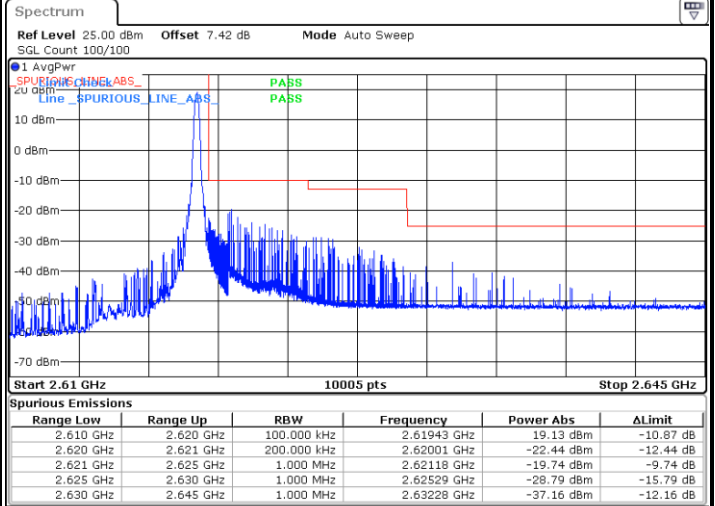
LTE Band 38 / 10MHz / 64QAM

Lowest Band Edge / 1 RB



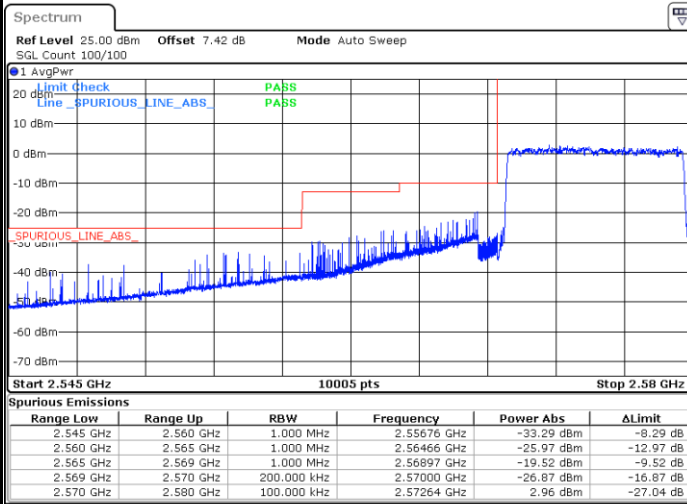
Date: 25 MAY 2022 22:13:38

Highest Band Edge / 1 RB



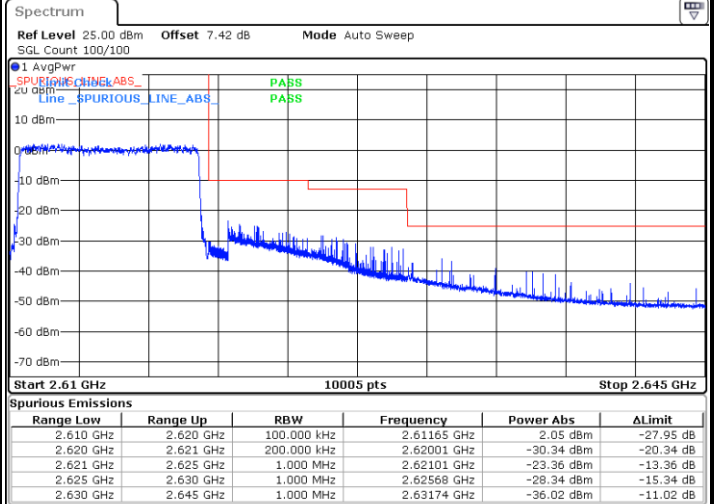
Date: 25 MAY 2022 22:22:44

Lowest Band Edge / Full RB



Date: 25 MAY 2022 22:14:49

Highest Band Edge / Full RB

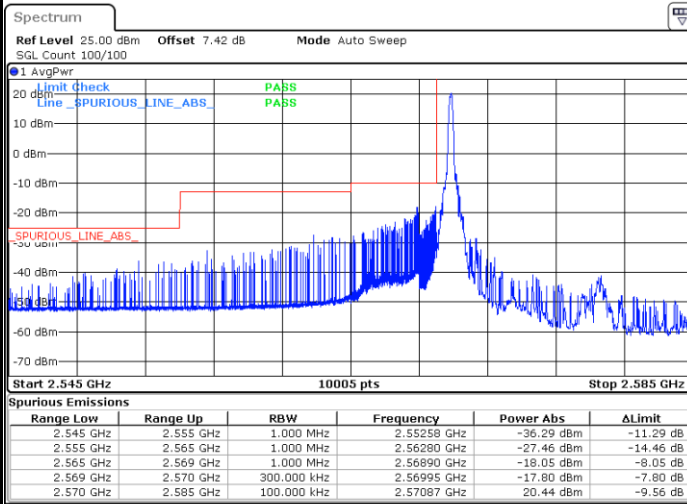


Date: 25 MAY 2022 22:39:33



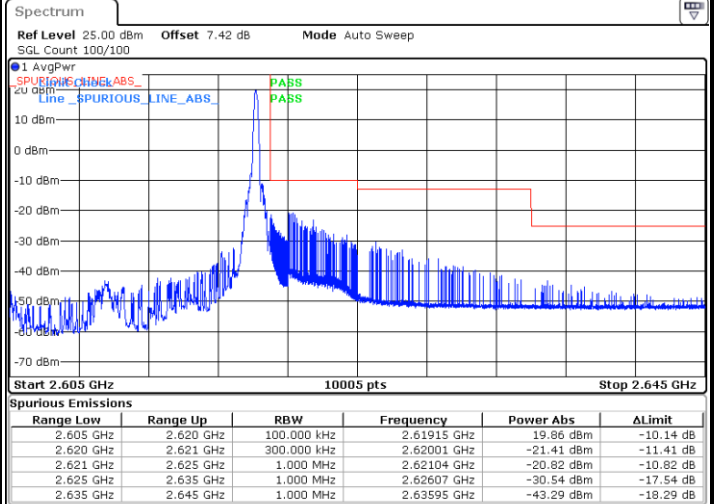
LTE Band 38 / 15MHz / QPSK

Lowest Band Edge / 1 RB



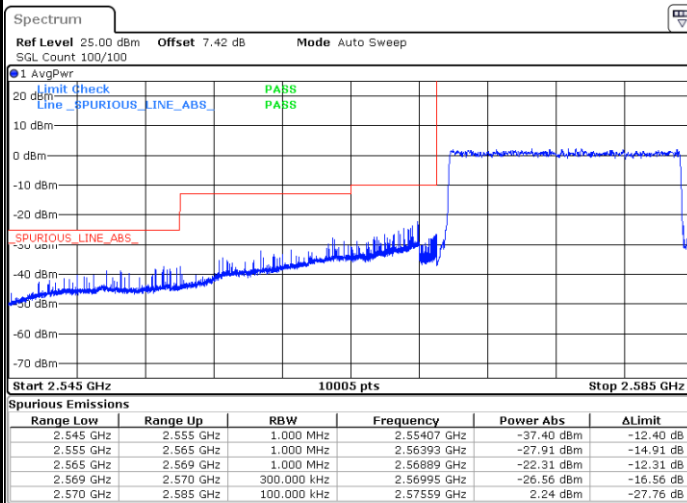
Date: 25 MAY 2022 22:44:07

Highest Band Edge / 1 RB



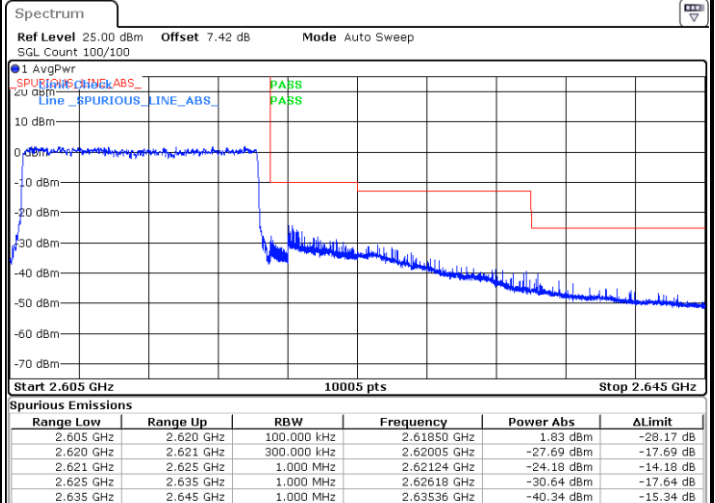
Date: 25 MAY 2022 22:52:24

Lowest Band Edge / Full RB



Date: 25 MAY 2022 22:49:47

Highest Band Edge / Full RB

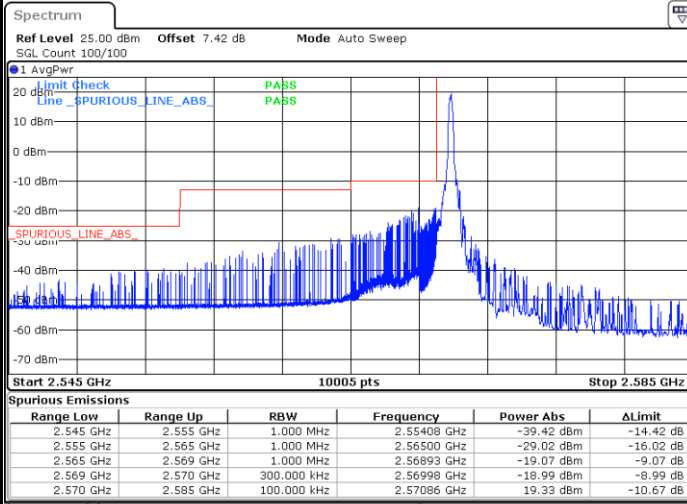


Date: 25 MAY 2022 22:55:23



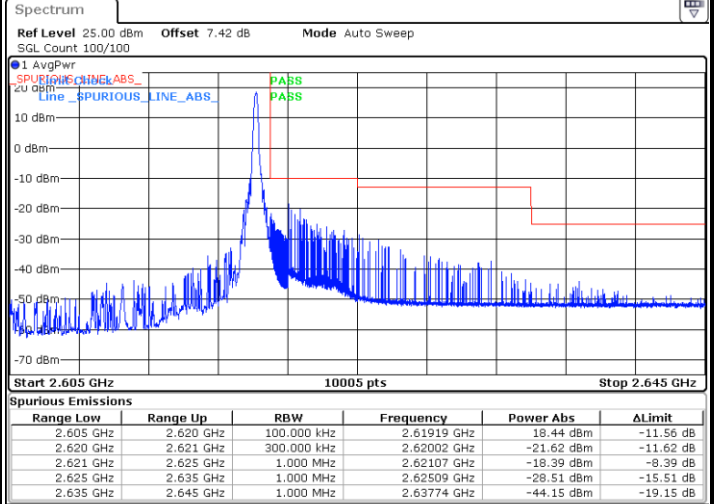
LTE Band 38 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



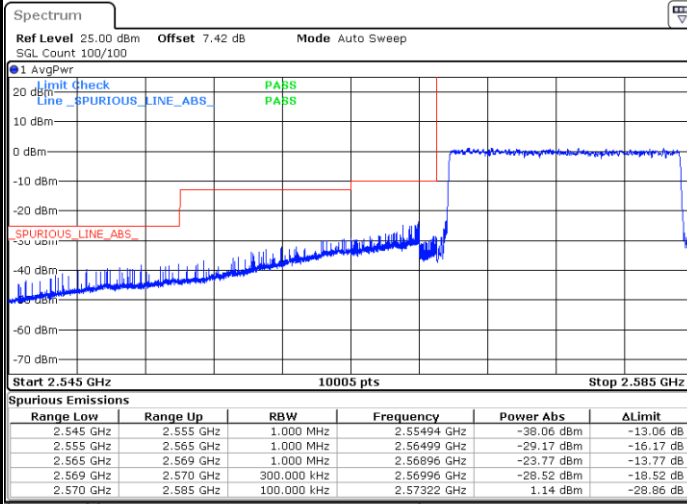
Date: 25 MAY 2022 22:45:18

Highest Band Edge / 1 RB



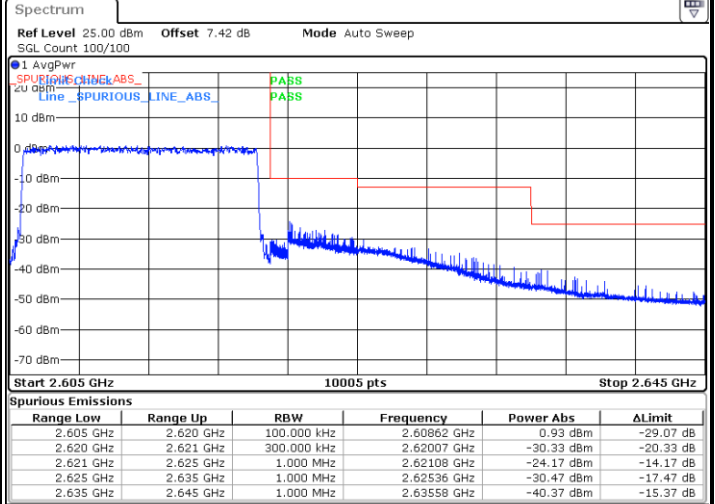
Date: 25 MAY 2022 22:53:00

Lowest Band Edge / Full RB



Date: 25 MAY 2022 22:49:10

Highest Band Edge / Full RB

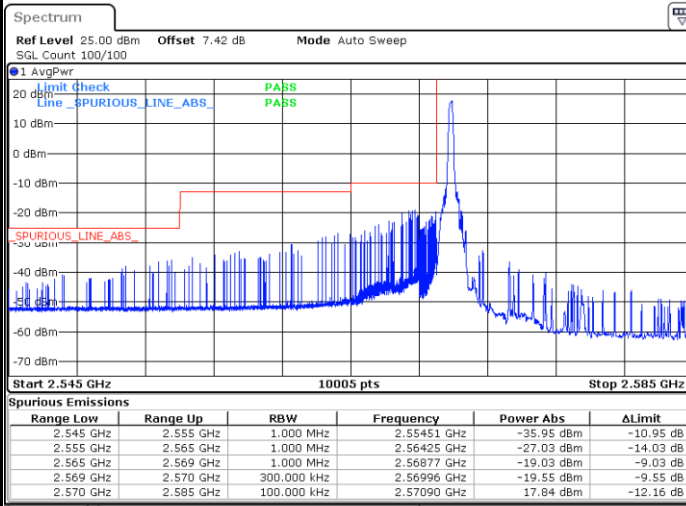


Date: 25 MAY 2022 22:54:47



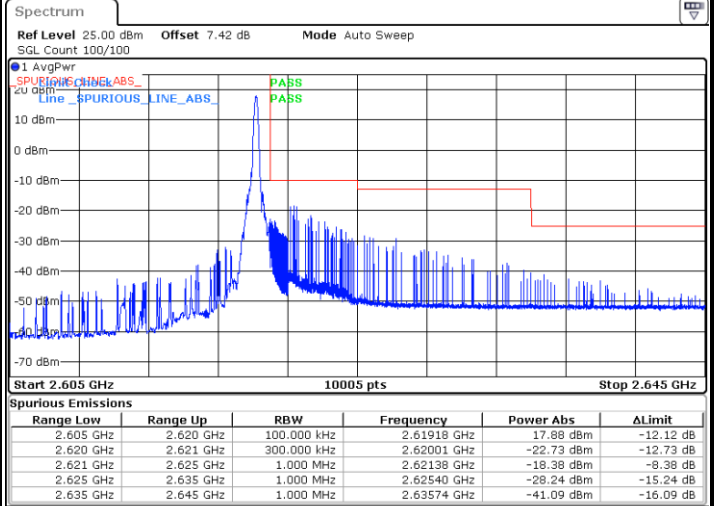
LTE Band 38 / 15MHz / 64QAM

Lowest Band Edge / 1 RB



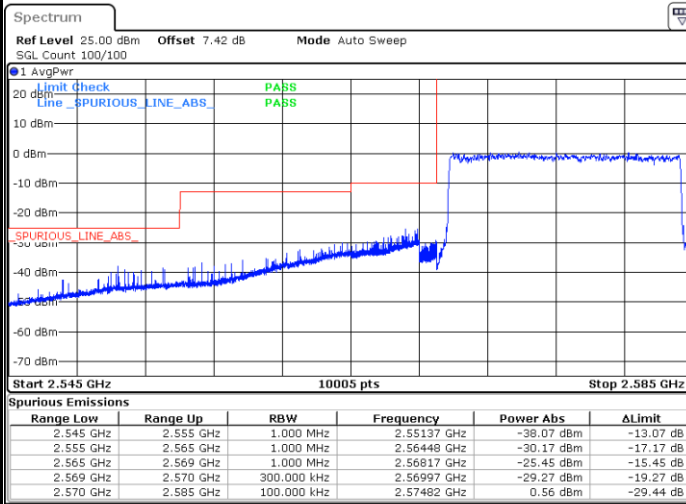
Date: 25 MAY 2022 22:46:28

Highest Band Edge / 1 RB



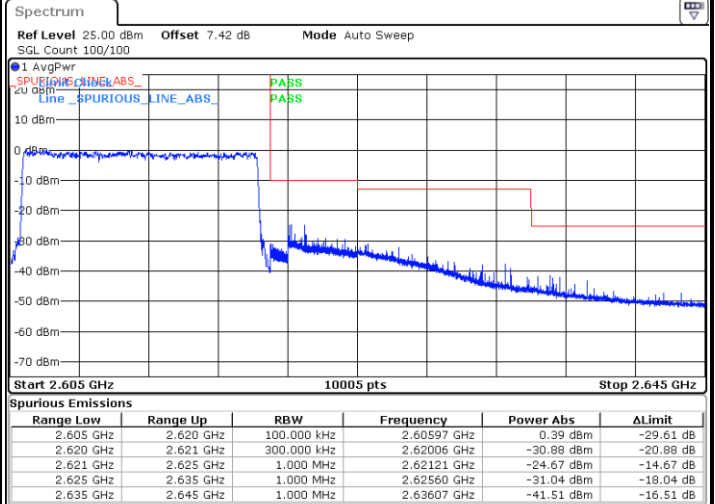
Date: 25 MAY 2022 22:53:36

Lowest Band Edge / Full RB



Date: 25 MAY 2022 22:47:39

Highest Band Edge / Full RB



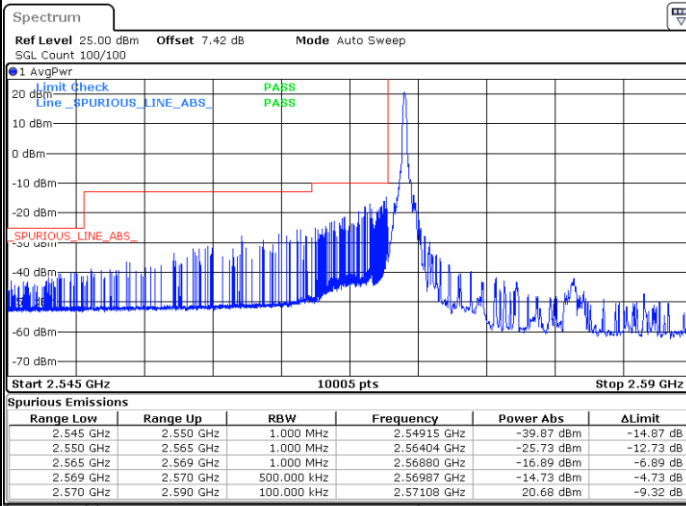
Date: 25 MAY 2022 22:54:11



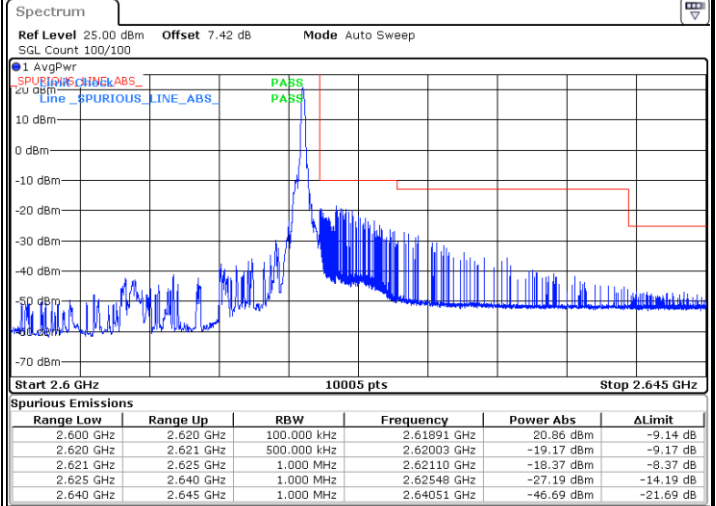
LTE Band 38 / 20MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



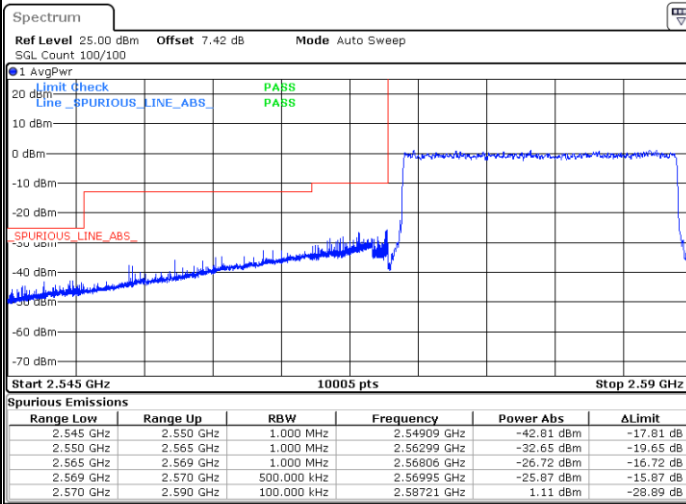
Date: 25 MAY 2022 22:57:00



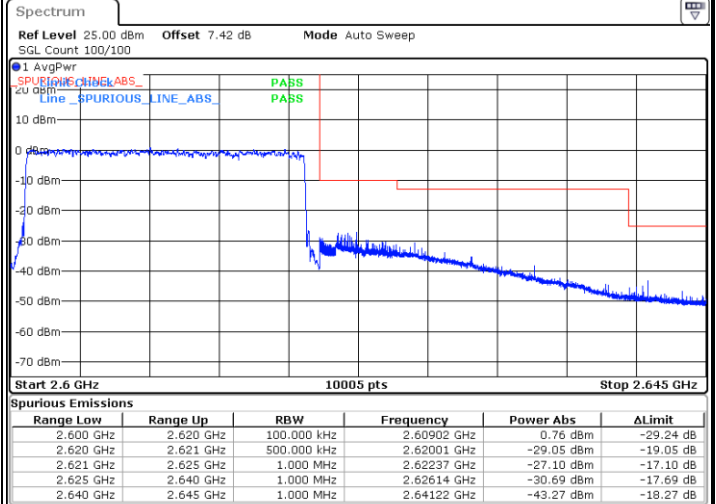
Date: 25 MAY 2022 23:02:36

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 25 MAY 2022 22:59:59

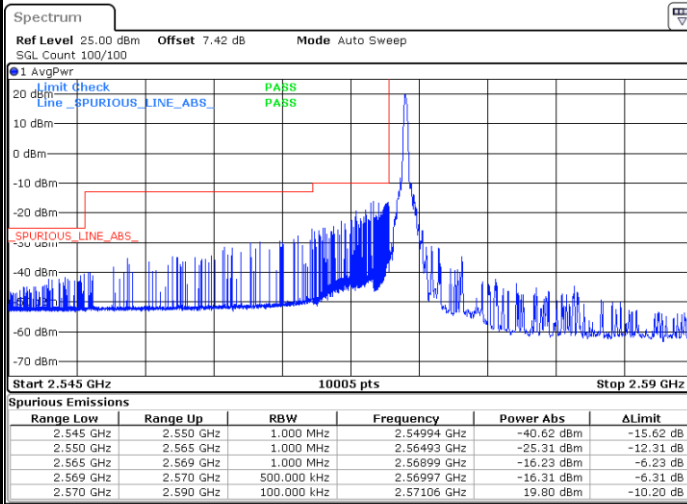


Date: 25 MAY 2022 23:05:34



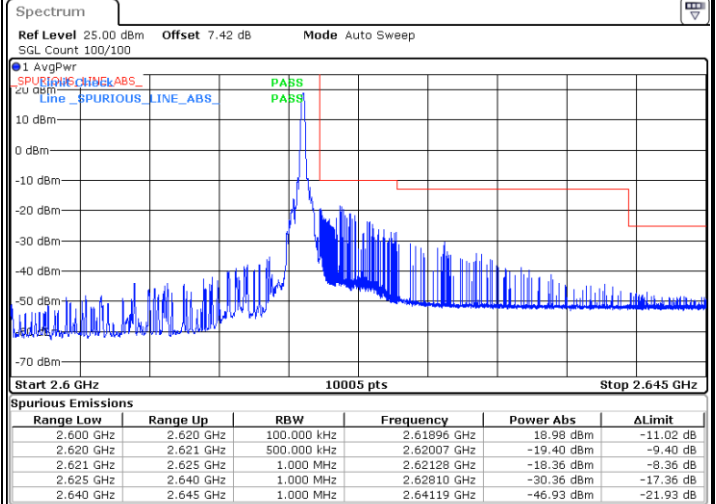
LTE Band 38 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



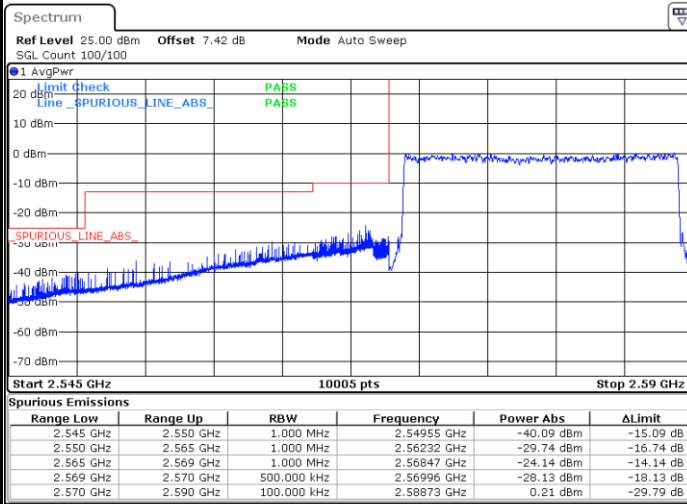
Date: 25 MAY 2022 22:57:36

Highest Band Edge / 1 RB



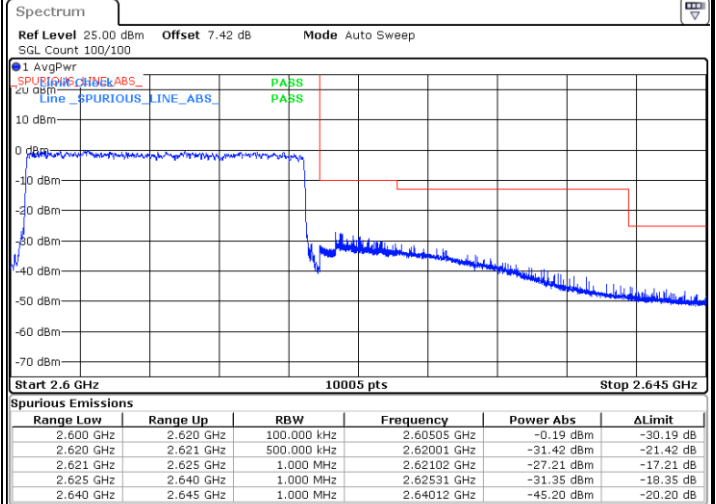
Date: 25 MAY 2022 23:03:11

Lowest Band Edge / Full RB



Date: 25 MAY 2022 22:59:23

Highest Band Edge / Full RB

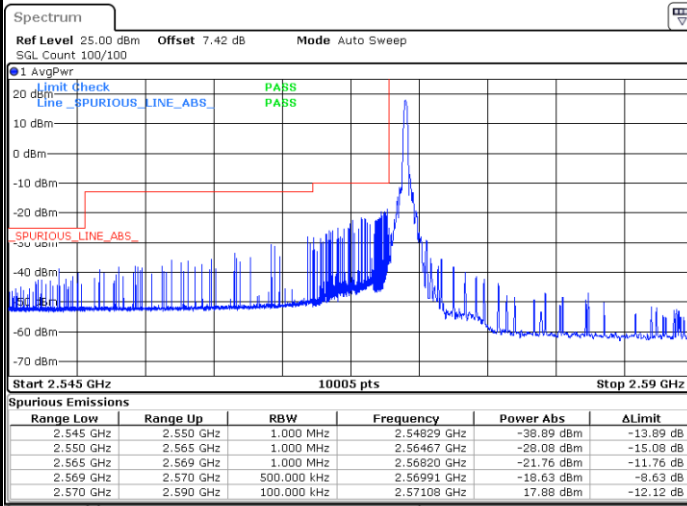


Date: 25 MAY 2022 23:04:58



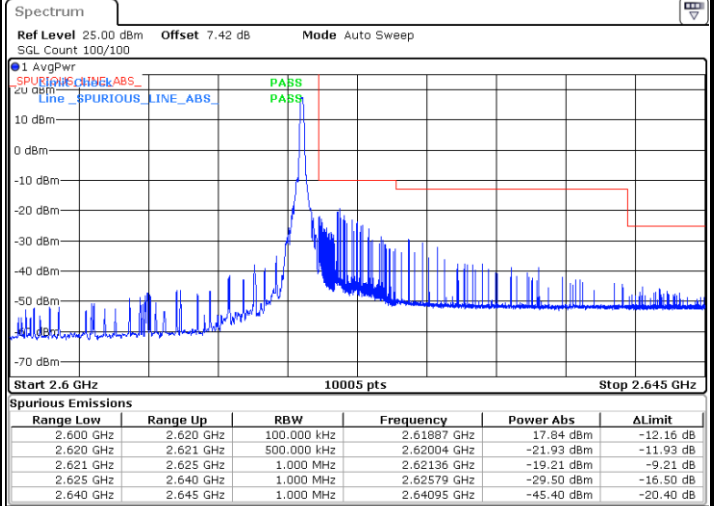
LTE Band 38 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



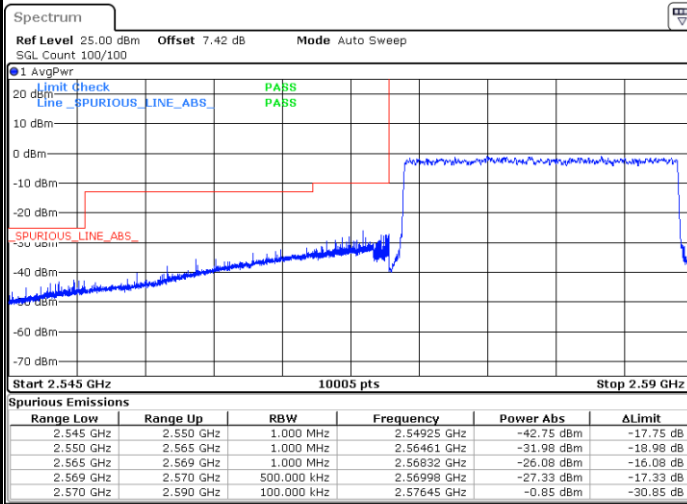
Date: 25 MAY 2022 22:58:12

Highest Band Edge / 1 RB



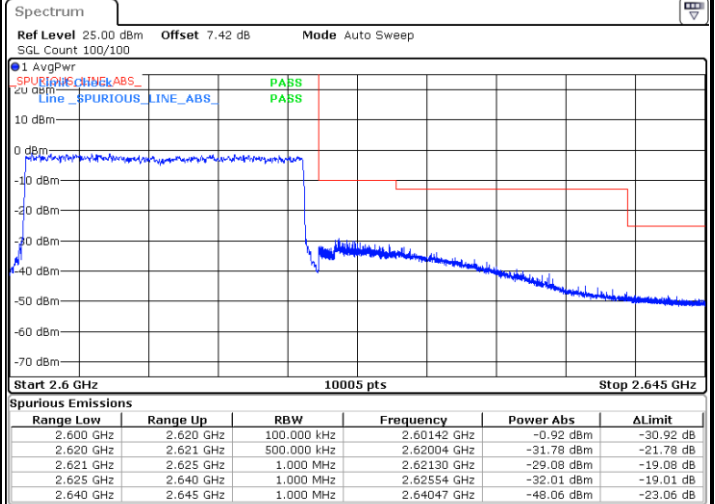
Date: 25 MAY 2022 23:03:47

Lowest Band Edge / Full RB



Date: 25 MAY 2022 22:58:47

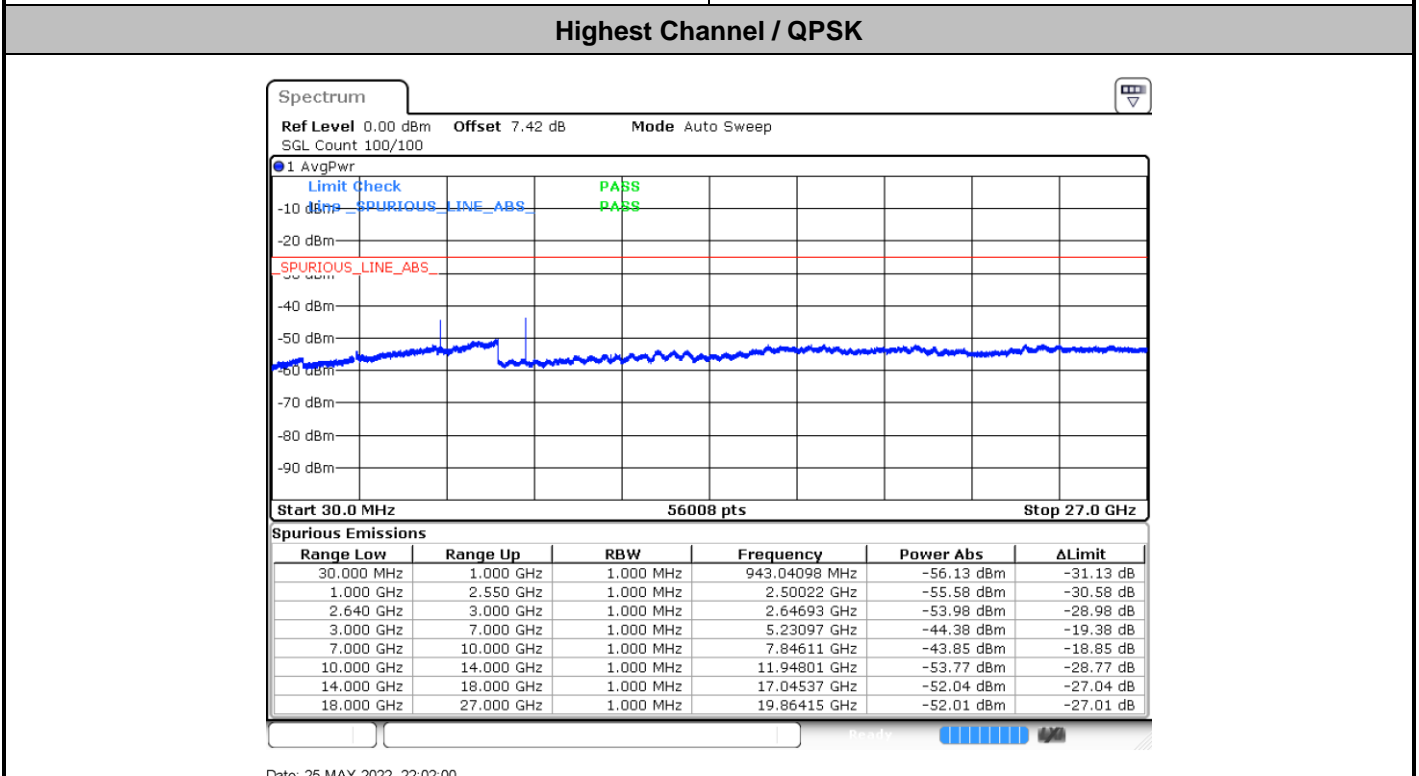
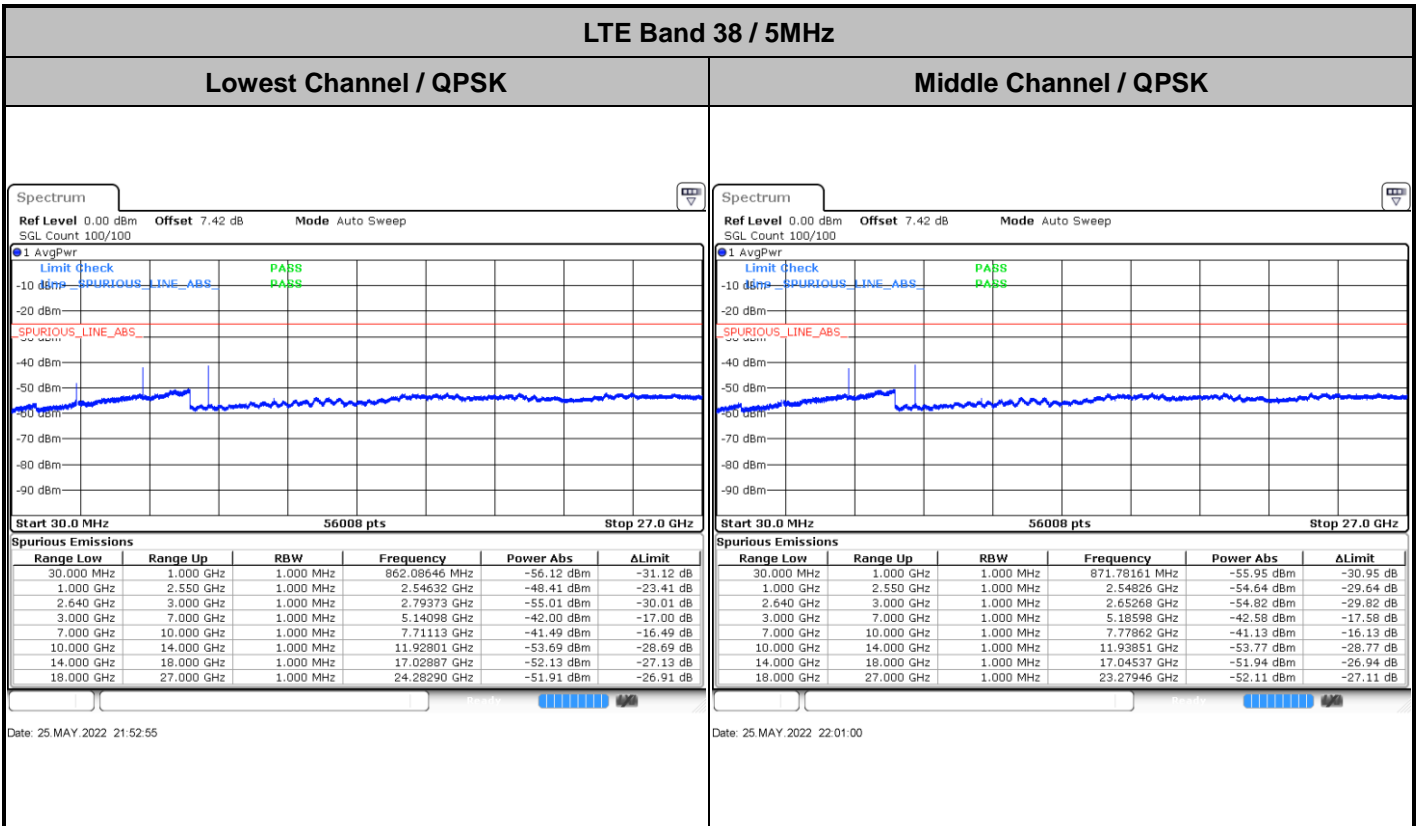
Highest Band Edge / Full RB



Date: 25 MAY 2022 23:04:23



Conducted Spurious Emission

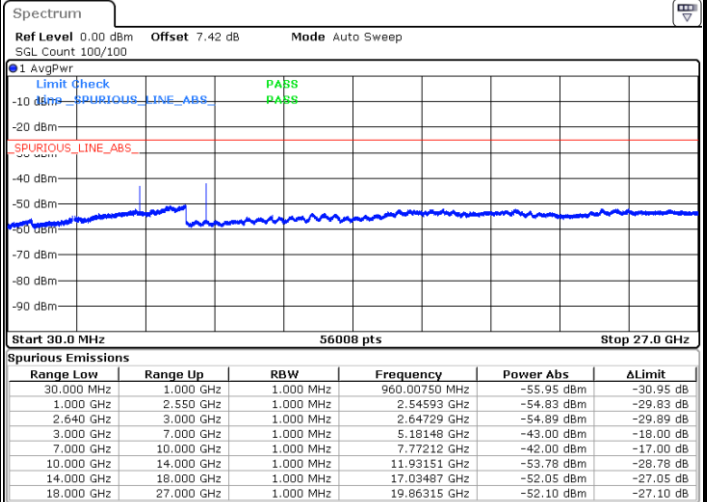
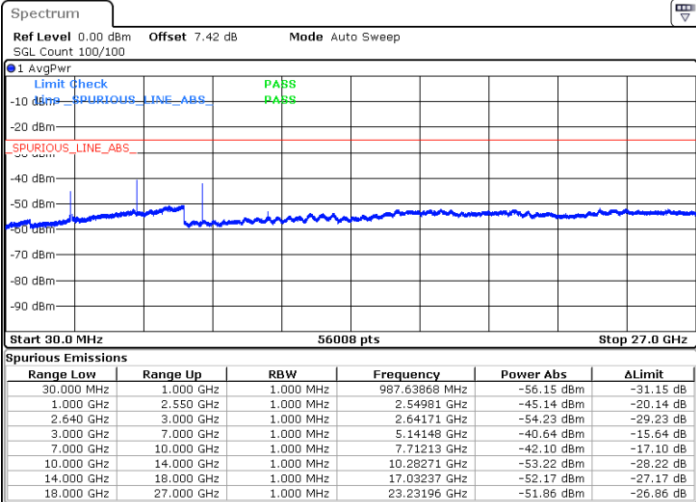




LTE Band 38 / 10MHz

Lowest Channel / QPSK

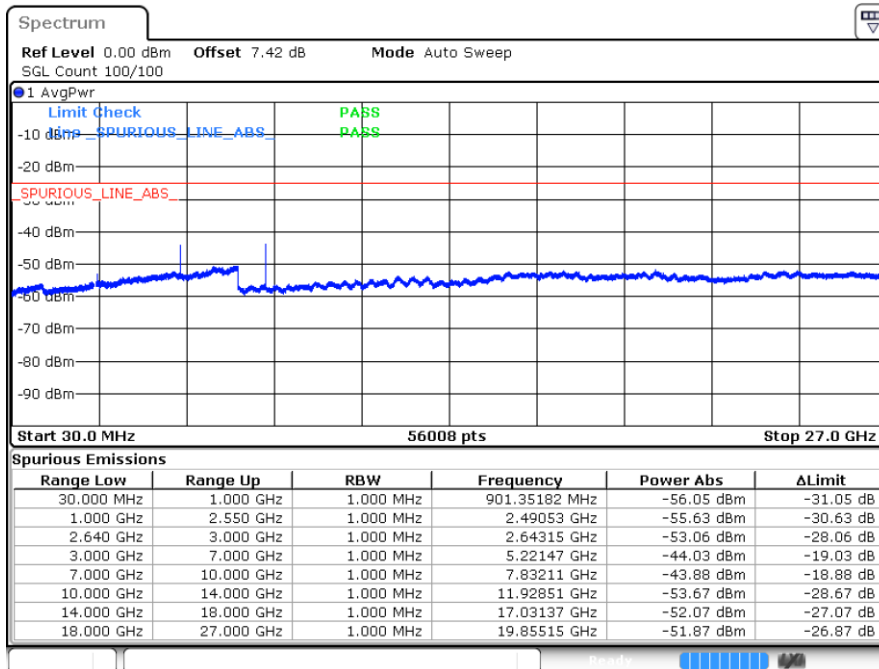
Middle Channel / QPSK



Date: 25 MAY 2022 22:10:06

Date: 25 MAY 2022 22:18:11

Highest Channel / QPSK



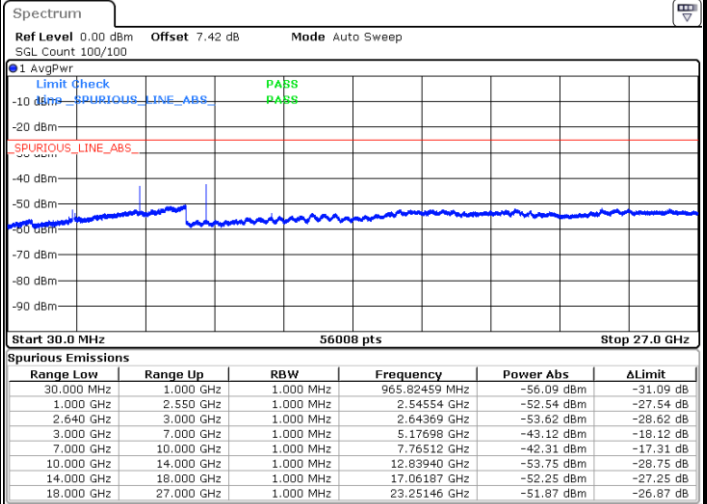
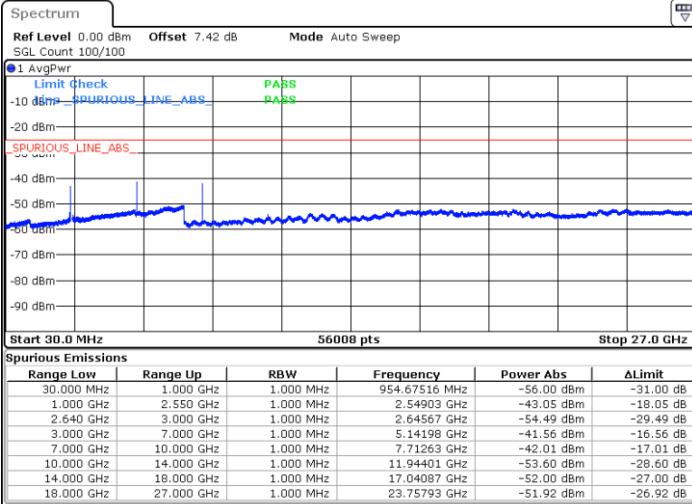
Date: 25 MAY 2022 22:19:11



LTE Band 38 / 15MHz

Lowest Channel / QPSK

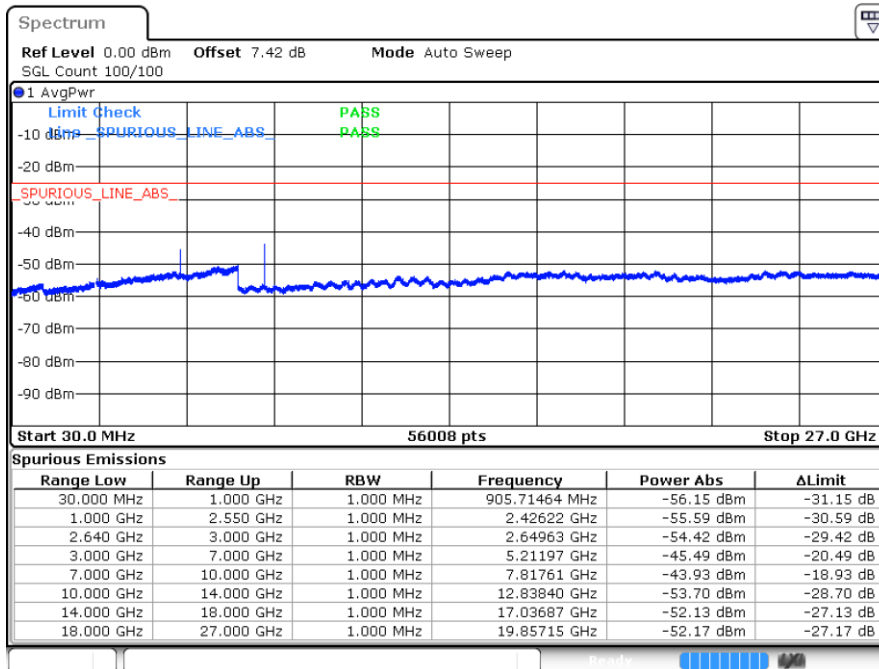
Middle Channel / QPSK



Date: 25 MAY 2022 22:42:56

Date: 25 MAY 2022 22:50:47

Highest Channel / QPSK



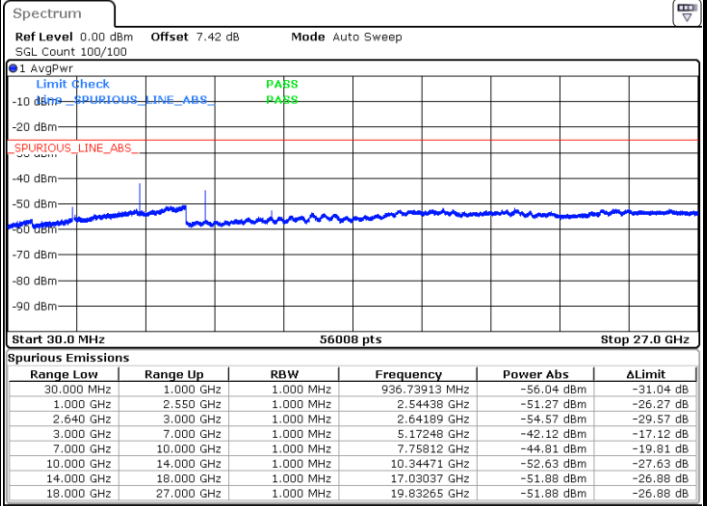
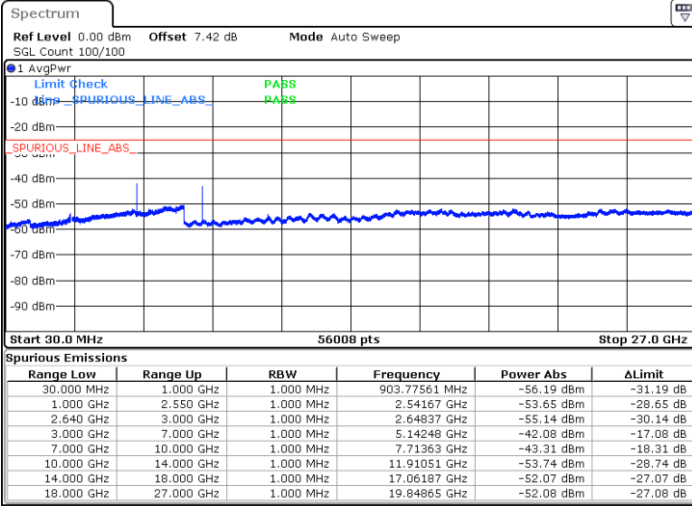
Date: 25 MAY 2022 22:51:48



LTE Band 38 / 20MHz

Lowest Channel / QPSK

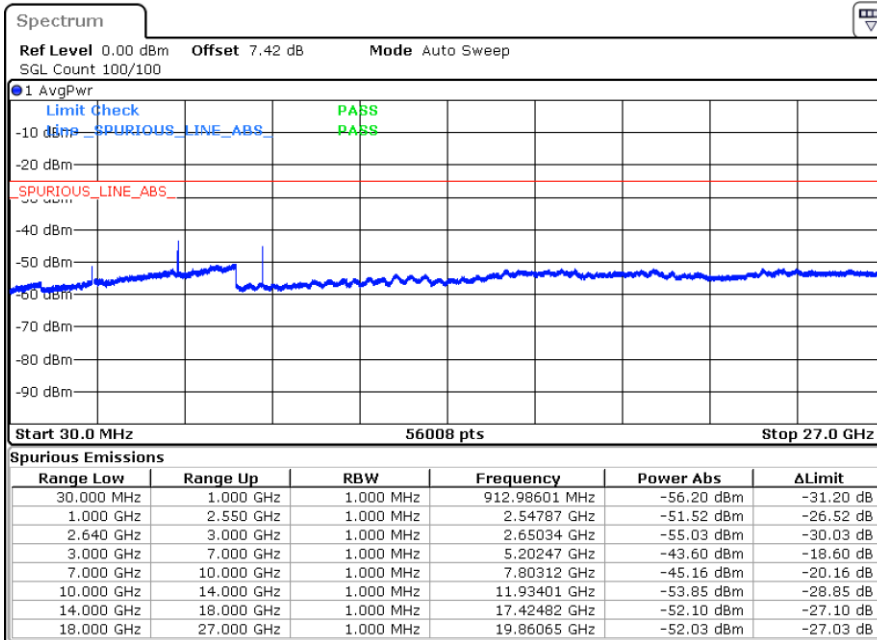
Middle Channel / QPSK



Date: 25 MAY 2022 22:56:24

Date: 25 MAY 2022 23:00:59

Highest Channel / QPSK



Date: 25 MAY 2022 23:02:00



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	0.0008	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0028	
0	Normal Voltage	0.0018	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0003	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0001	
20	Battery End Point	0.0024	

Note:

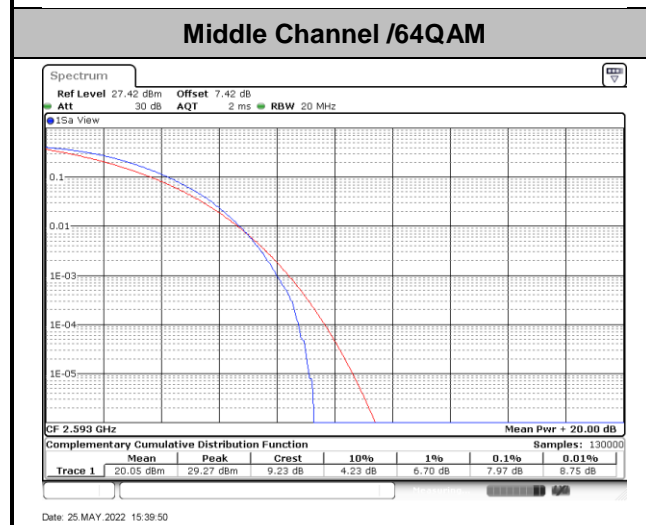
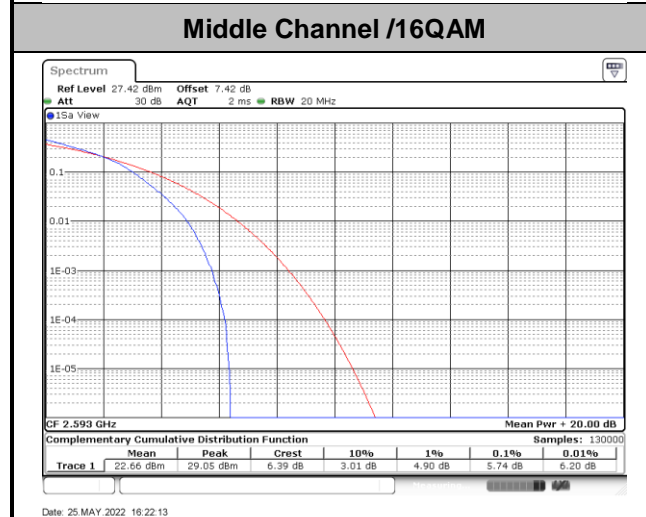
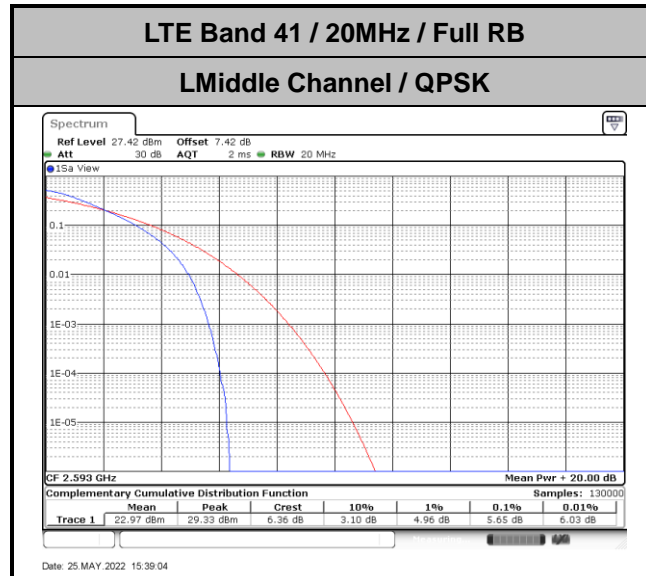
1. Normal Voltage =3.87V. ; Battery End Point (BEP) =3.55V. ; Maximum Voltage =4.45V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 41

Peak-to-Average Ratio

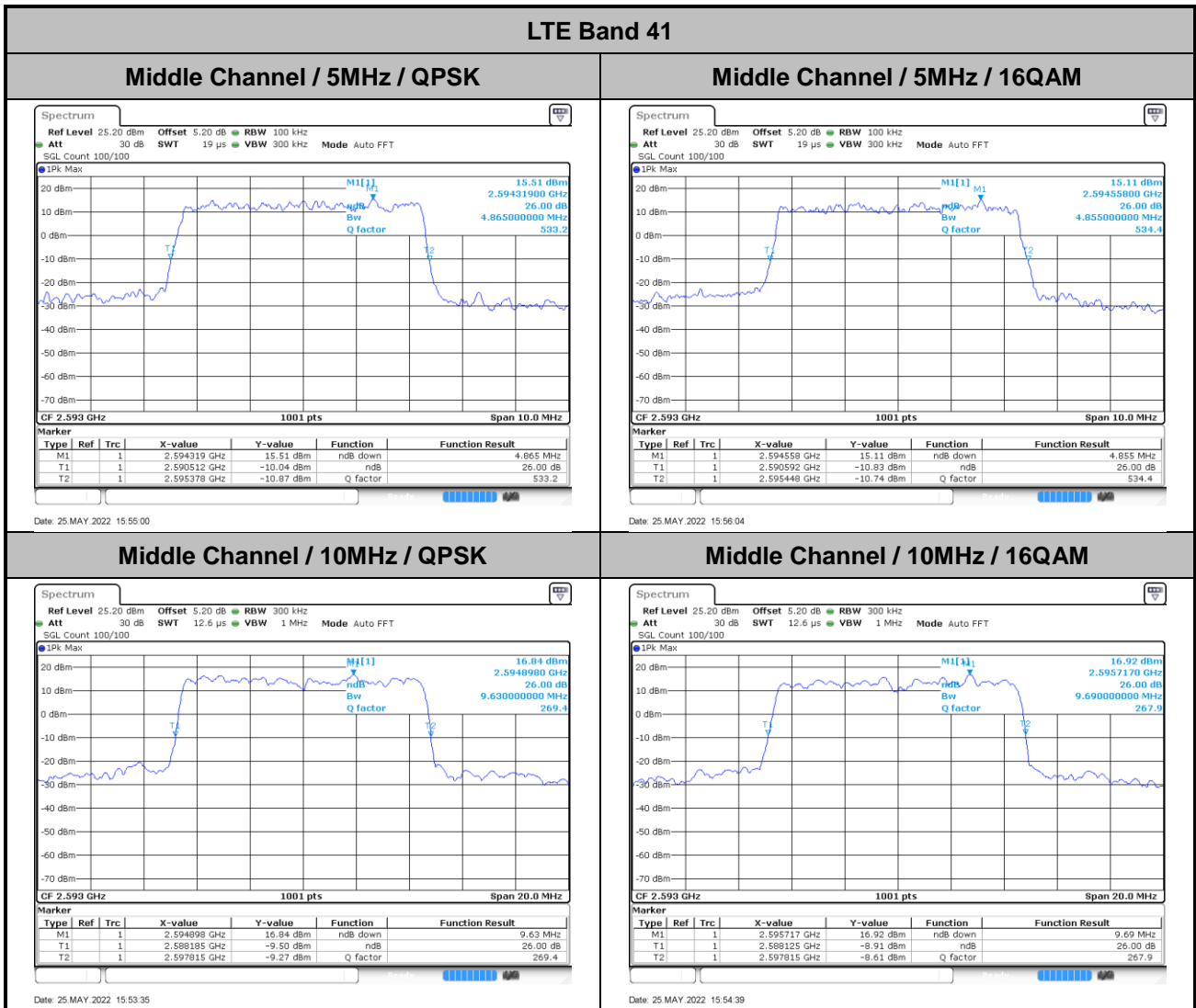
Mode	LTE Band 41 / 20MHz			
Mod.	QPSK	16QAM	64QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Result
Middle CH	5.65	5.74	7.97	PASS





26dB Bandwidth

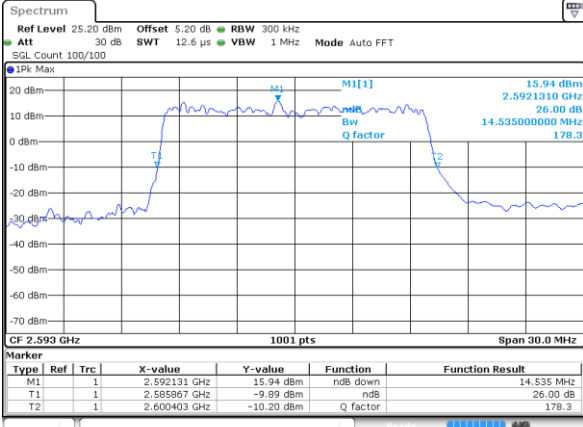
Mode	LTE Band 41 : 26dB BW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.87	4.86	9.63	9.69	14.54	14.27	18.90	19.18





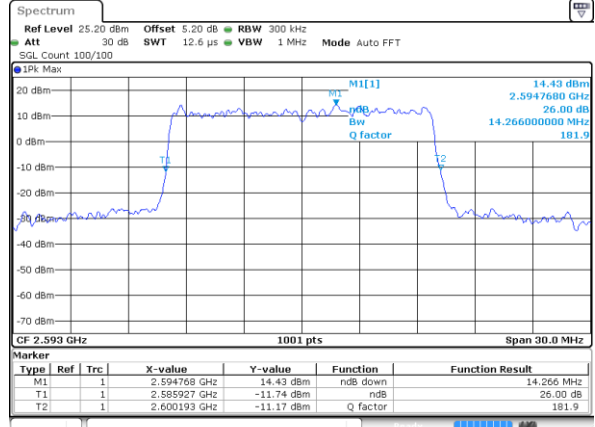
LTE Band 41

Middle Channel / 15MHz / QPSK



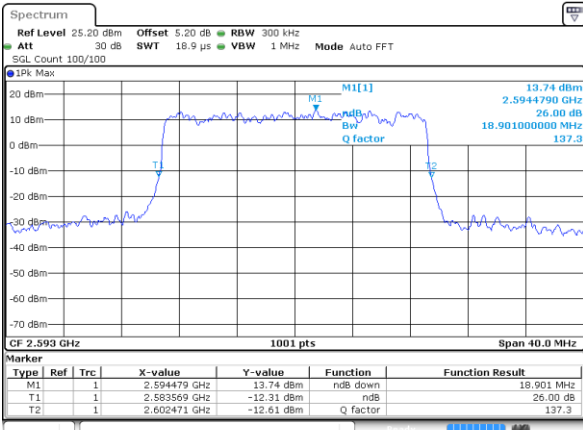
Date: 25 MAY 2022 15:52:31

Middle Channel / 15MHz / 16QAM



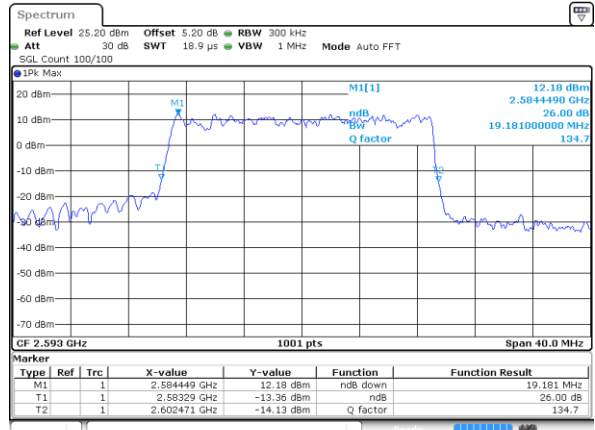
Date: 25 MAY 2022 15:53:14

Middle Channel / 20MHz / QPSK



Date: 25 MAY 2022 15:50:45

Middle Channel / 20MHz / 16QAM

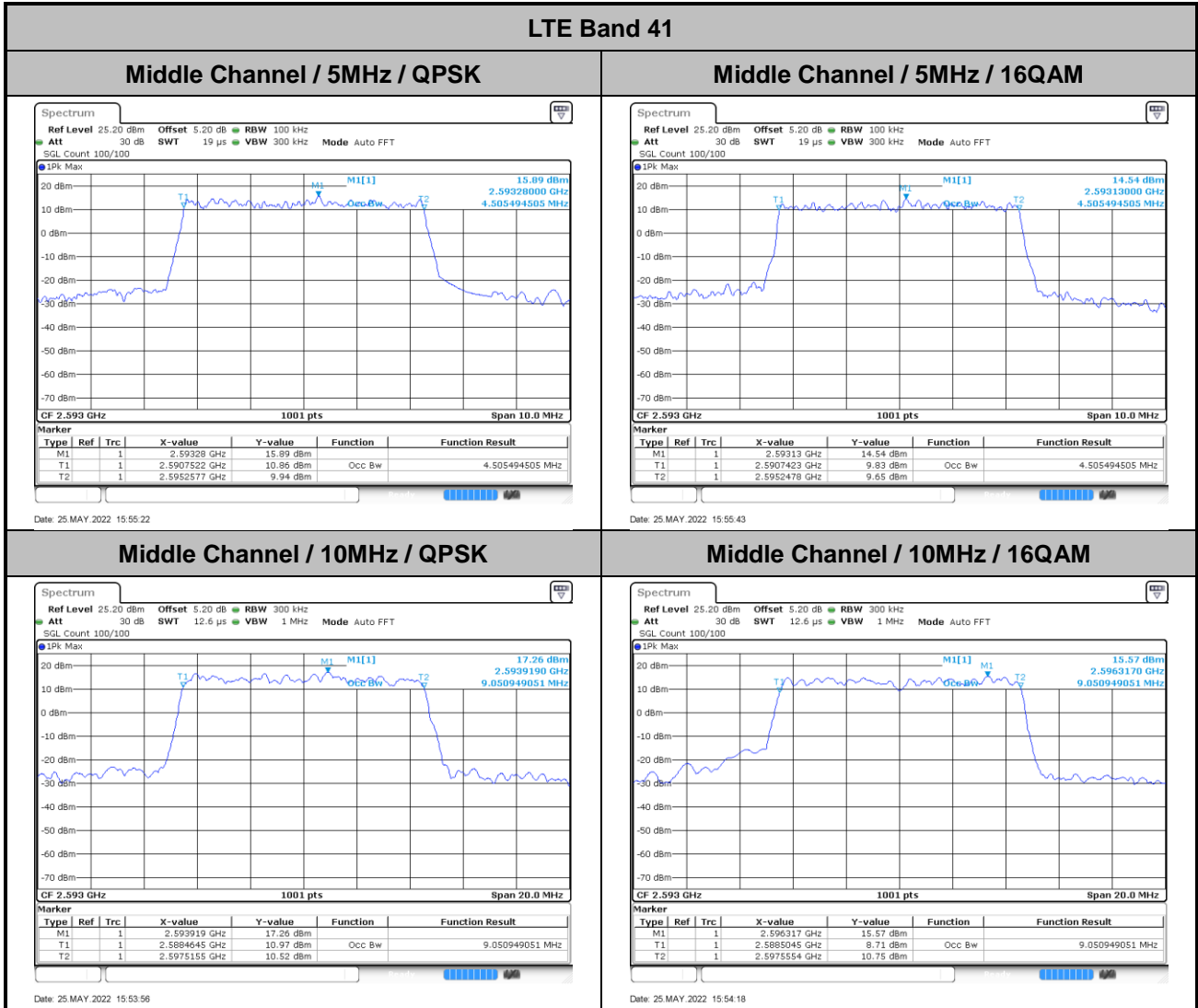


Date: 25 MAY 2022 15:51:49



Occupied Bandwidth

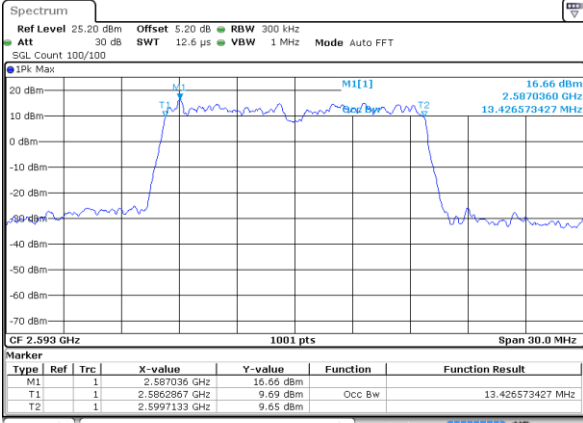
Mode	LTE Band 41 : 99%OBW(MHz)							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.51	4.51	9.05	9.05	13.43	13.49	17.90	17.98





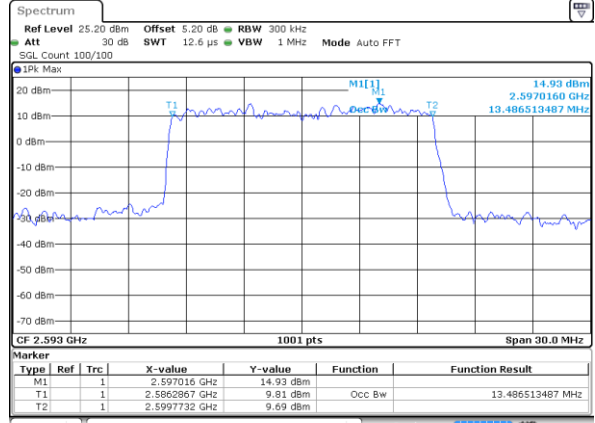
LTE Band 41

Middle Channel / 15MHz / QPSK



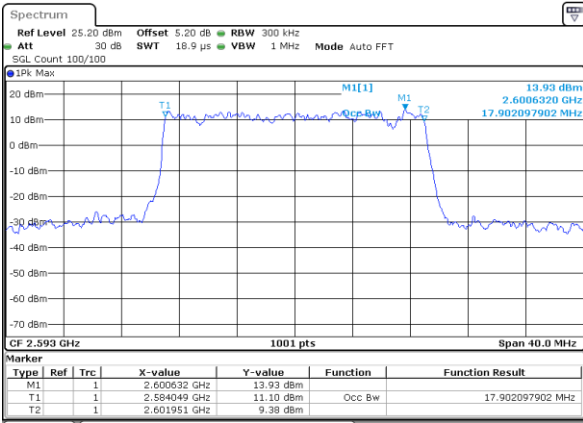
Date: 25 MAY 2022 15:52:10

Middle Channel / 15MHz / 16QAM



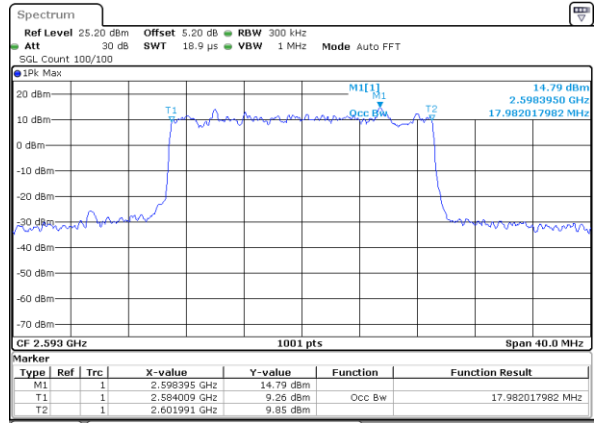
Date: 25 MAY 2022 15:52:53

Middle Channel / 20MHz / QPSK



Date: 25 MAY 2022 15:51:06

Middle Channel / 20MHz / 16QAM



Date: 25 MAY 2022 15:51:27



Conducted Band Edge

