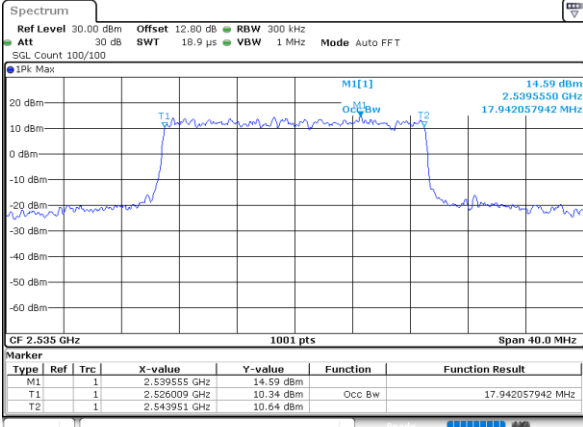




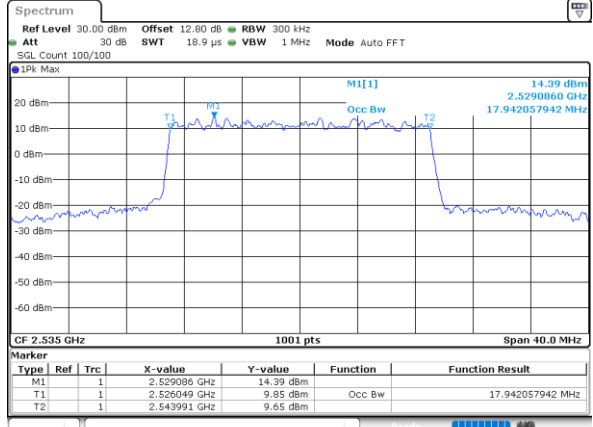
LTE Band 7

Middle Channel / 20MHz / QPSK



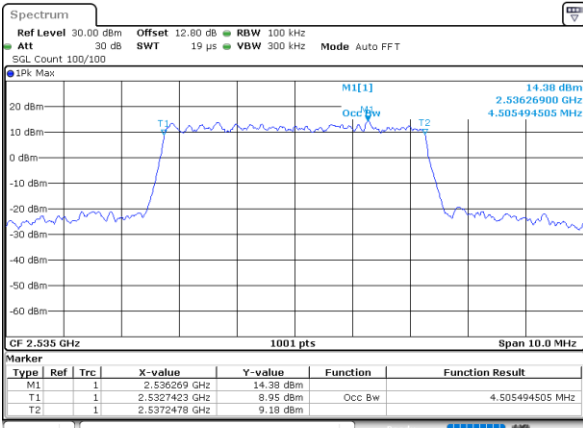
Date: 4.AUG.2023 14:34:20

Middle Channel / 20MHz / 16QAM



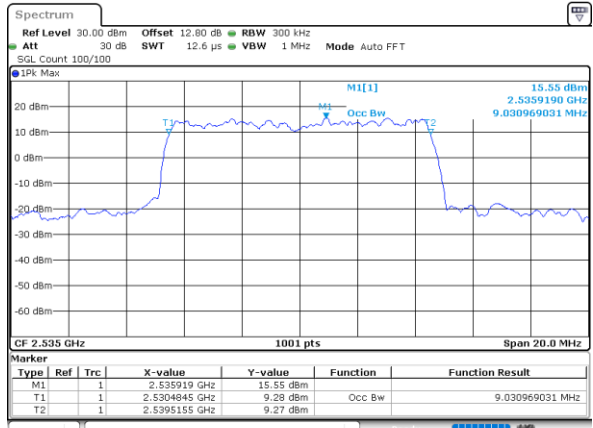
Date: 4.AUG.2023 14:34:49

Middle Channel / 5MHz / 64QAM



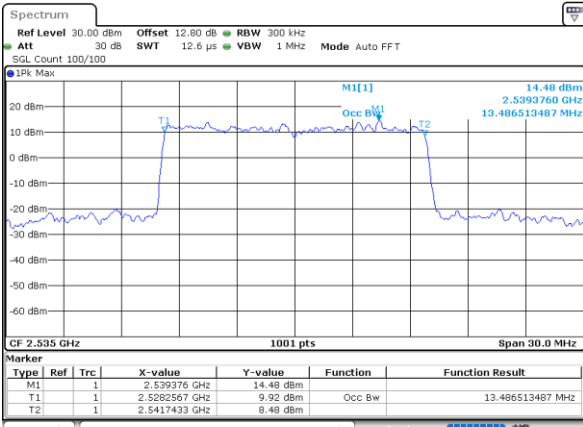
Date: 4.AUG.2023 14:28:01

Middle Channel / 10MHz / 64QAM



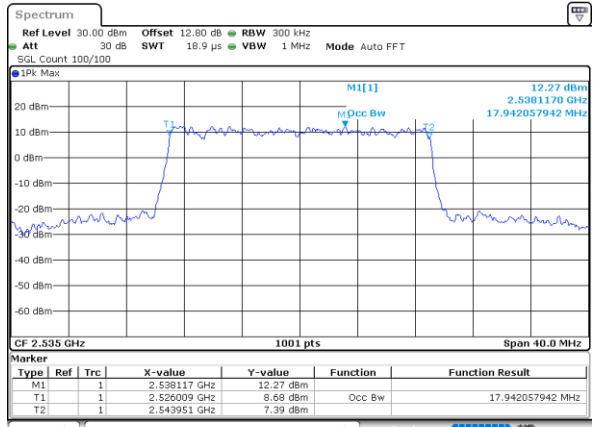
Date: 4.AUG.2023 14:30:46

Middle Channel / 15MHz / 64QAM



Date: 4.AUG.2023 14:33:31

Middle Channel / 20MHz / 64QAM

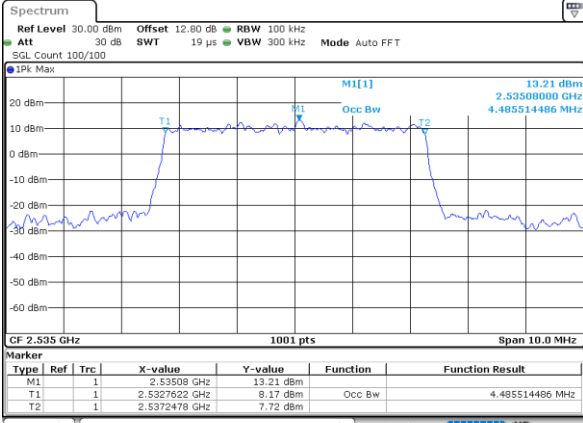


Date: 4.AUG.2023 14:36:16



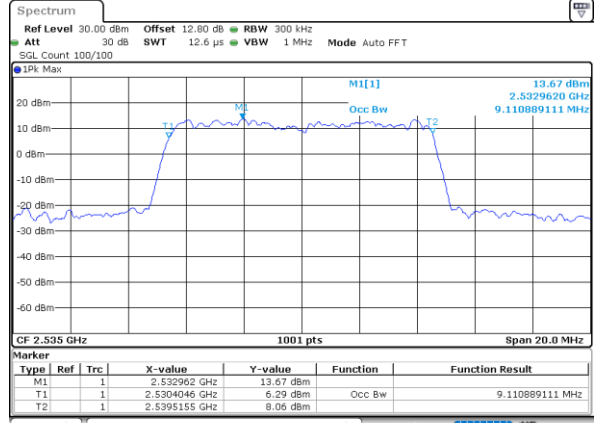
LTE Band 7

Middle Channel / 5MHz / 256QAM



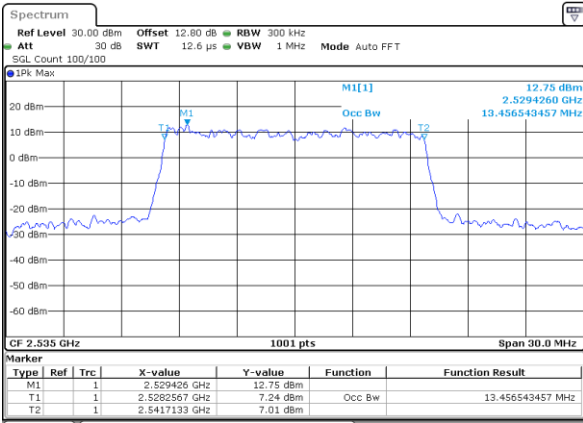
Date: 4.AUG.2023 14:40:06

Middle Channel / 10MHz / 256QAM



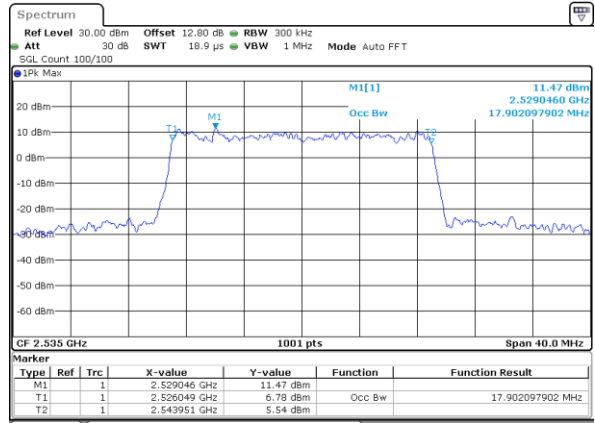
Date: 4.AUG.2023 14:40:54

Middle Channel / 15MHz / 256QAM



Date: 4.AUG.2023 14:41:43

Middle Channel / 20MHz / 256QAM



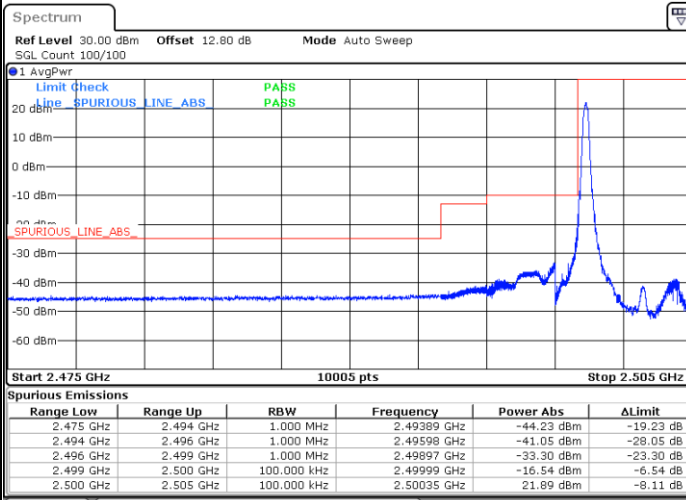
Date: 4.AUG.2023 14:42:32



Conducted Band Edge

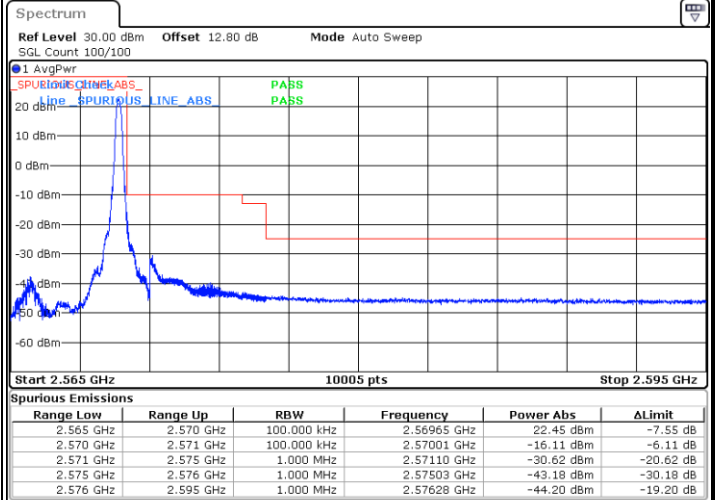
LTE Band 7 / 5MHz / QPSK

Lowest Band Edge / 1 RB



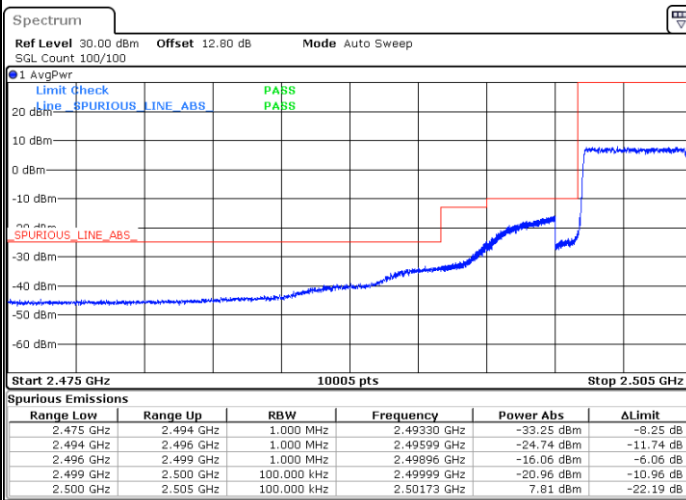
Date: 31.JUL.2023 20:12:41

Highest Band Edge / 1 RB



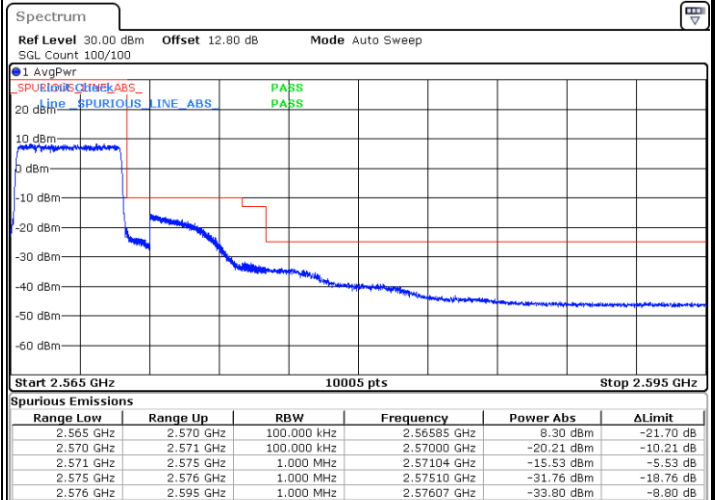
Date: 4.AUG.2023 10:05:41

Lowest Band Edge / Full RB



Date: 31.JUL.2023 20:14:41

Highest Band Edge / Full RB

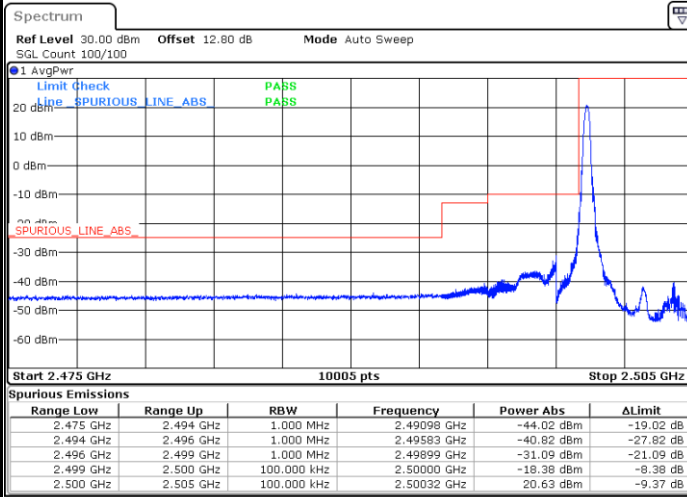


Date: 4.AUG.2023 10:08:39



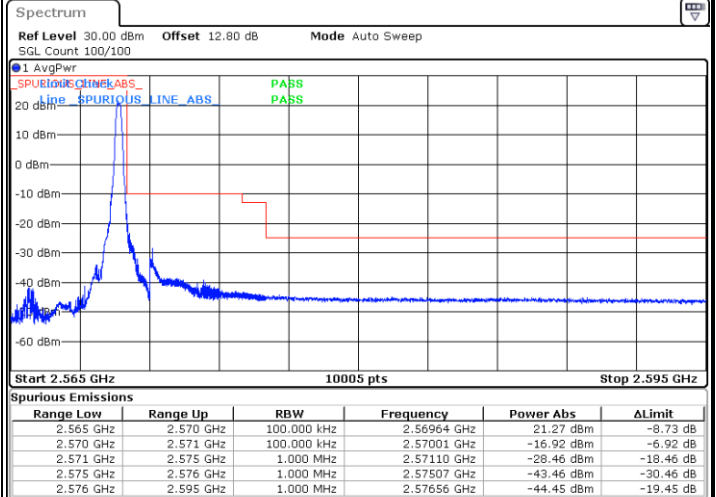
LTE Band 7 / 5MHz / 16QAM

Lowest Band Edge / 1RB



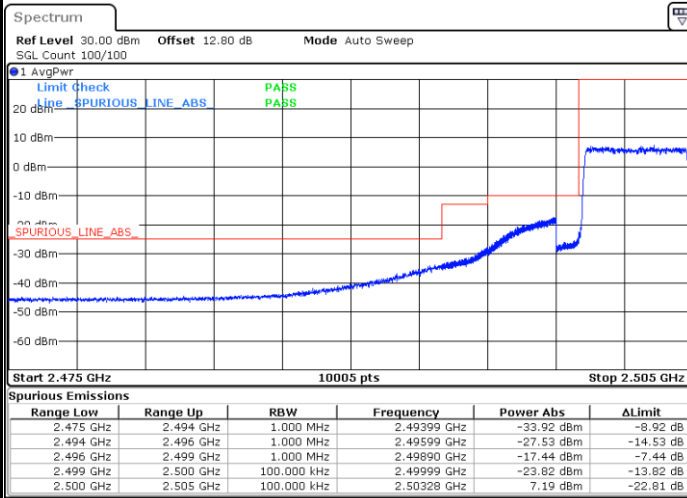
Date: 31.JUL.2023 20:13:41

Highest Band Edge / 1 RB



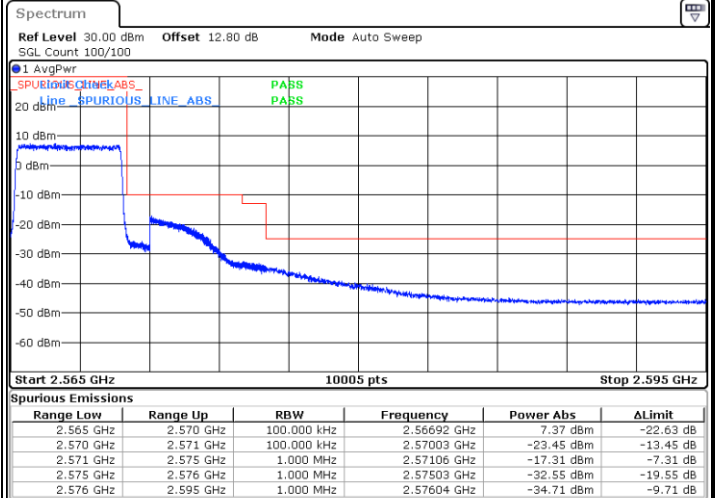
Date: 4.AUG.2023 10:07:10

Lowest Band Edge / Full RB



Date: 31.JUL.2023 20:15:41

Highest Band Edge / Full RB

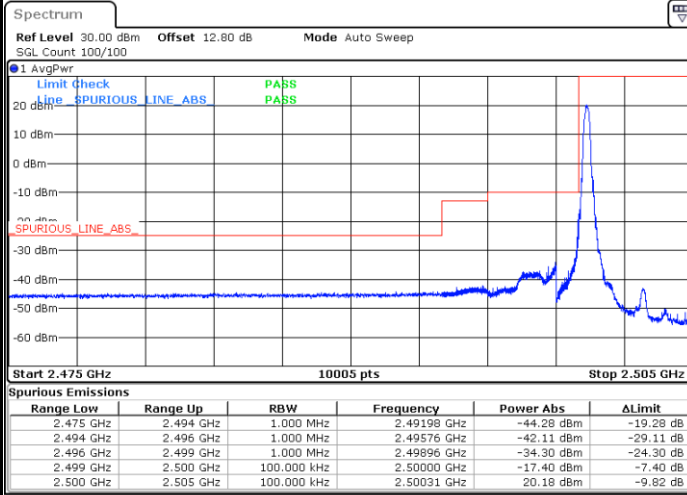


Date: 4.AUG.2023 10:10:09



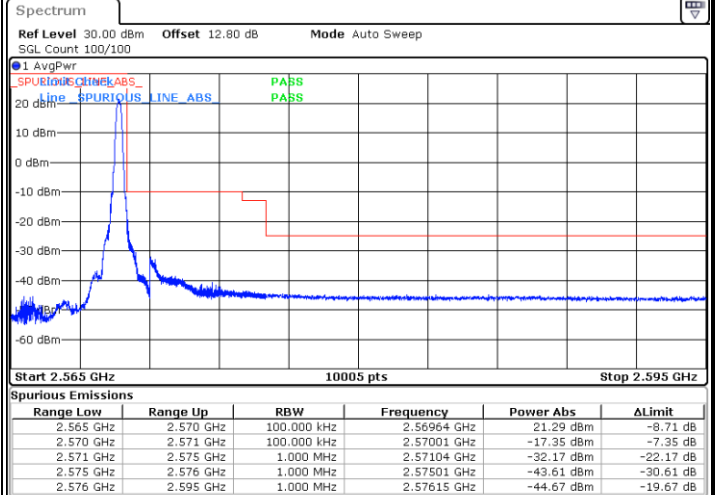
LTE Band 7 / 5MHz / 64QAM

Lowest Band Edge / 1RB



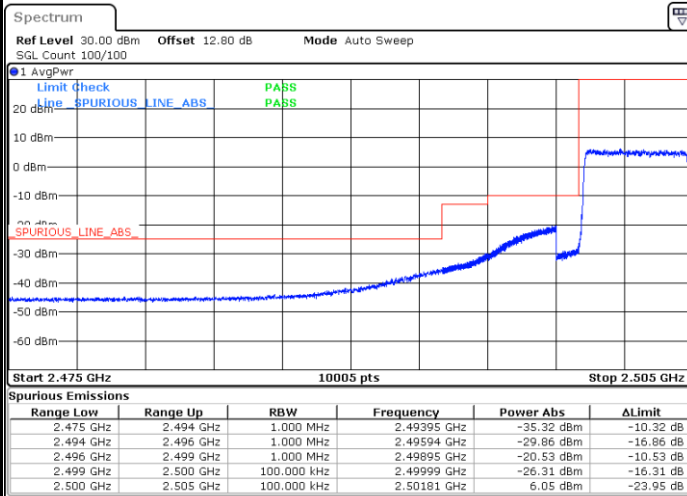
Date: 31.JUL.2023 20:21:13

Highest Band Edge / 1 RB



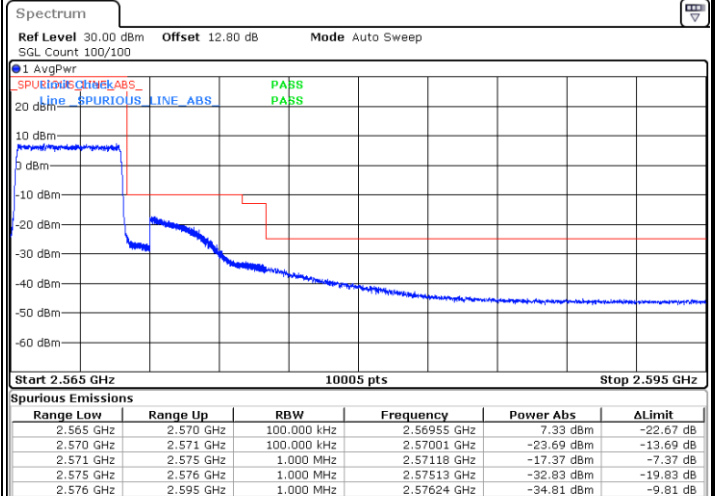
Date: 4.AUG.2023 10:12:57

Lowest Band Edge / Full RB



Date: 31.JUL.2023 20:22:13

Highest Band Edge / Full RB

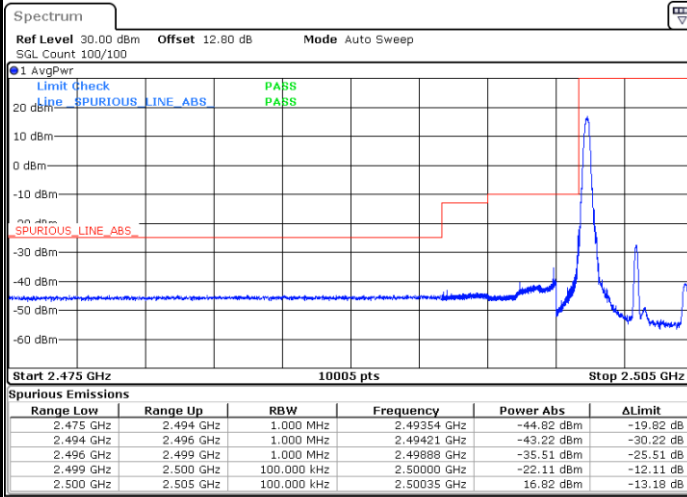


Date: 4.AUG.2023 10:14:27



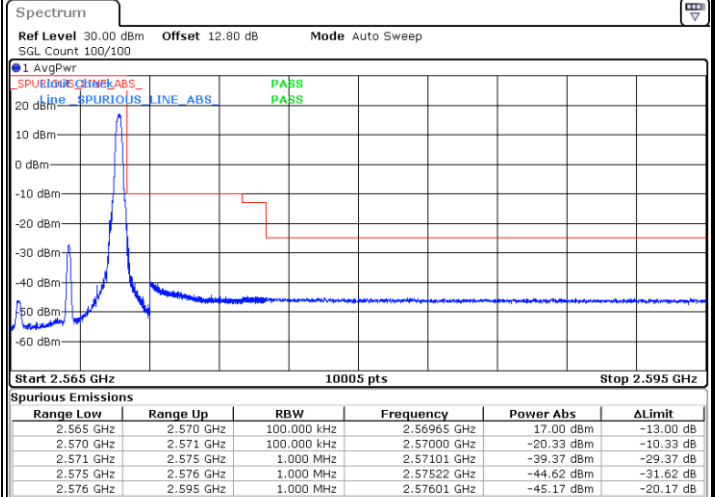
LTE Band 7 / 5MHz / 256QAM

Lowest Band Edge / 1RB



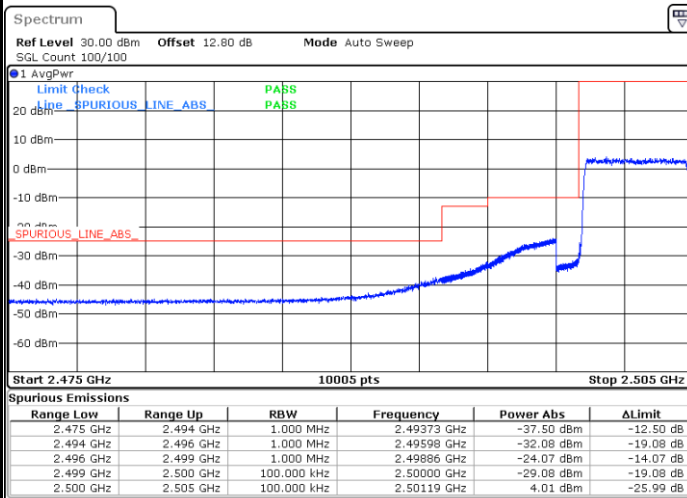
Date: 31.JUL.2023 21:04:13

Highest Band Edge / 1 RB



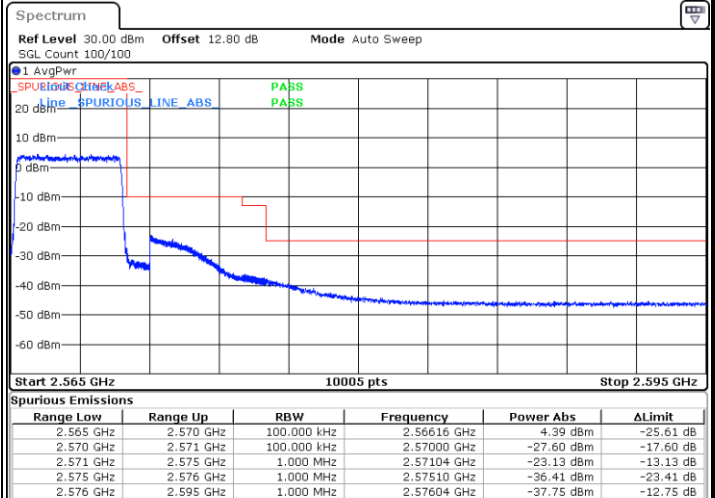
Date: 4.AUG.2023 10:15:56

Lowest Band Edge / Full RB



Date: 31.JUL.2023 21:05:11

Highest Band Edge / Full RB

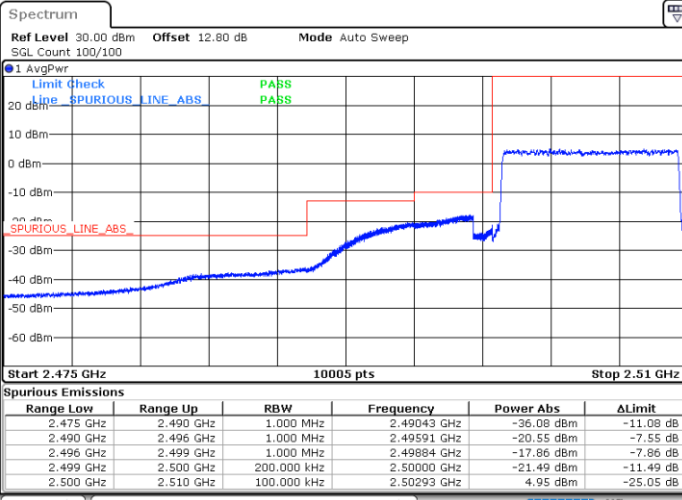


Date: 4.AUG.2023 10:19:28



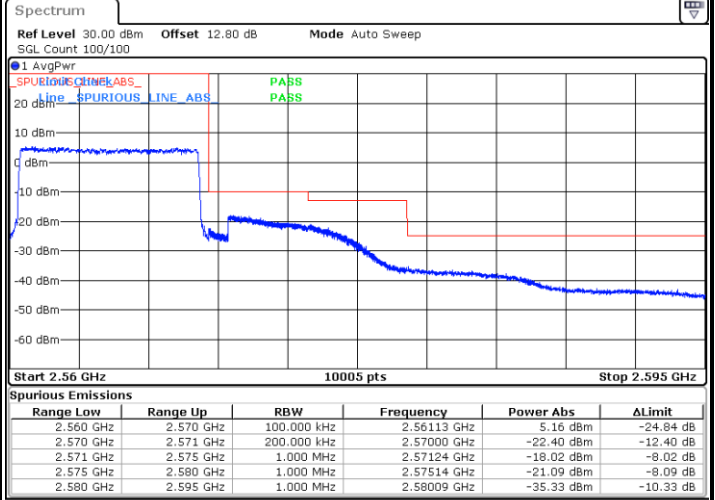
LTE Band 7 / 10MHz / QPSK

Lowest Band Edge / Full RB



Date: 31.JUL.2023 20:24:01

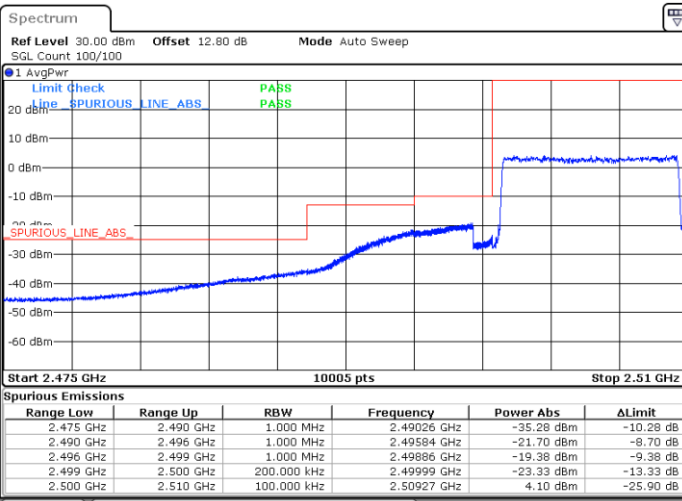
Highest Band Edge / Full RB



Date: 4.AUG.2023 10:21:03

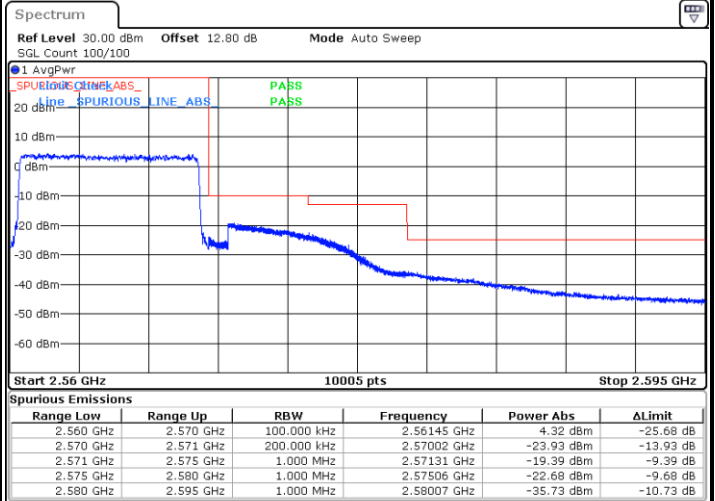
LTE Band 7 / 10MHz / 16QAM

Lowest Band Edge / Full RB



Date: 31.JUL.2023 20:25:00

Highest Band Edge / Full RB



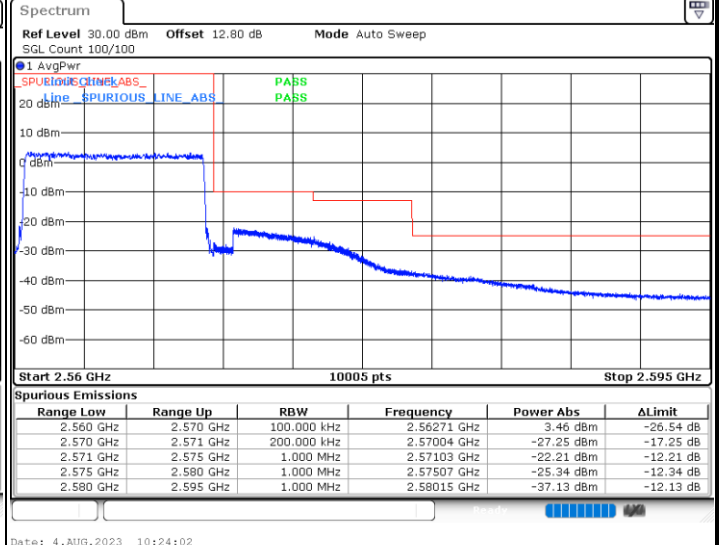
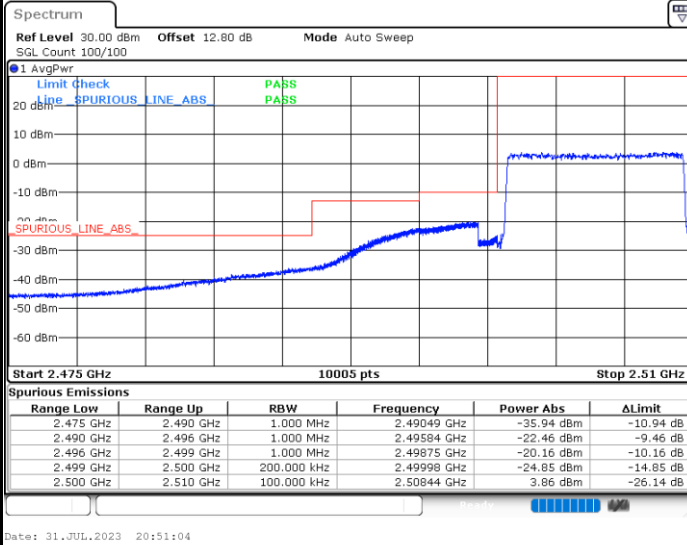
Date: 4.AUG.2023 10:22:32



LTE Band 7 / 10MHz / 64QAM

Lowest Band Edge / Full RB

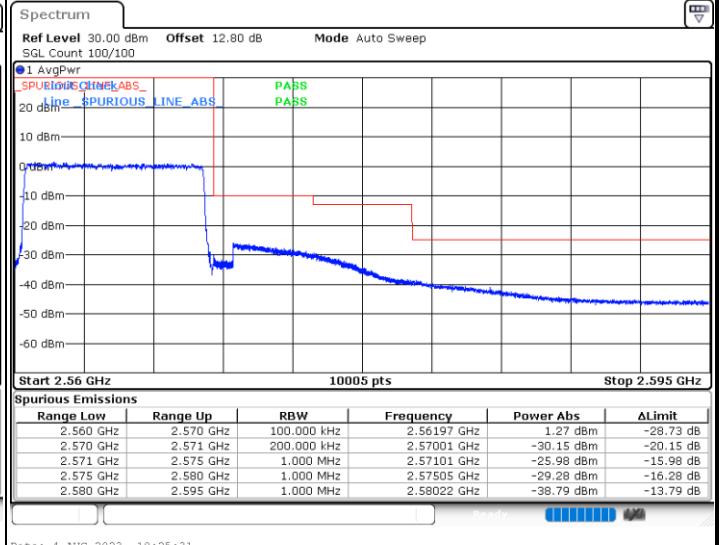
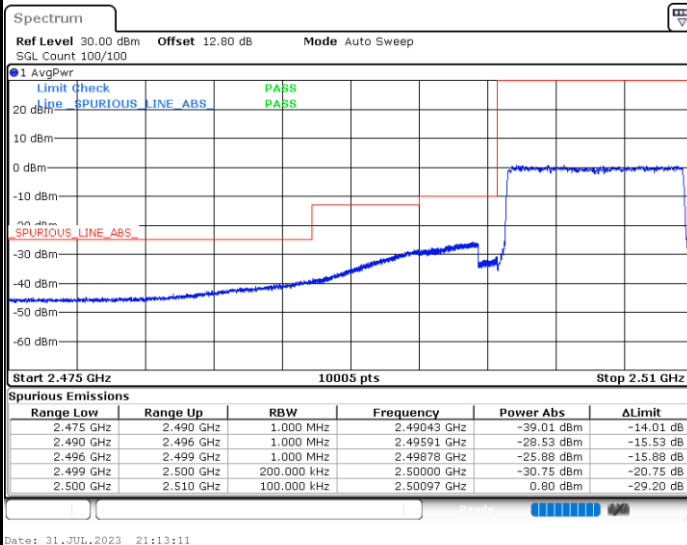
Highest Band Edge / Full RB



LTE Band 7 / 10MHz / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

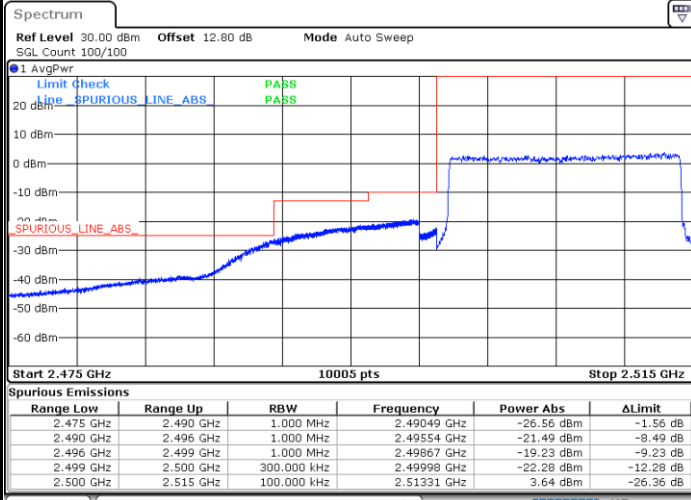




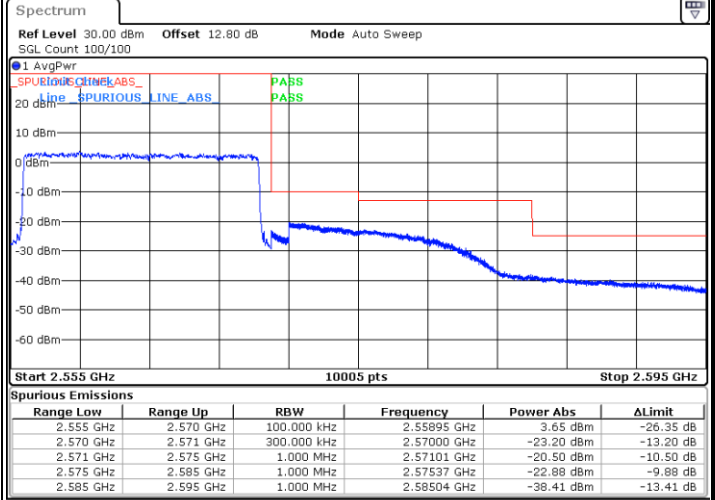
LTE Band 7 / 15MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.JUL.2023 20:52:46

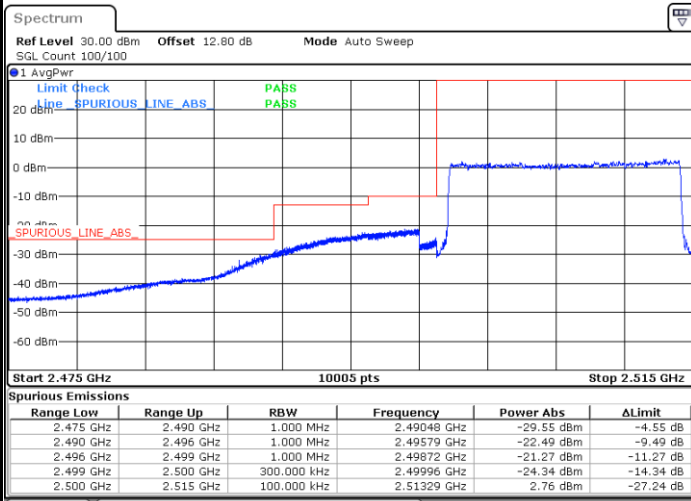


Date: 4.AUG.2023 10:40:00

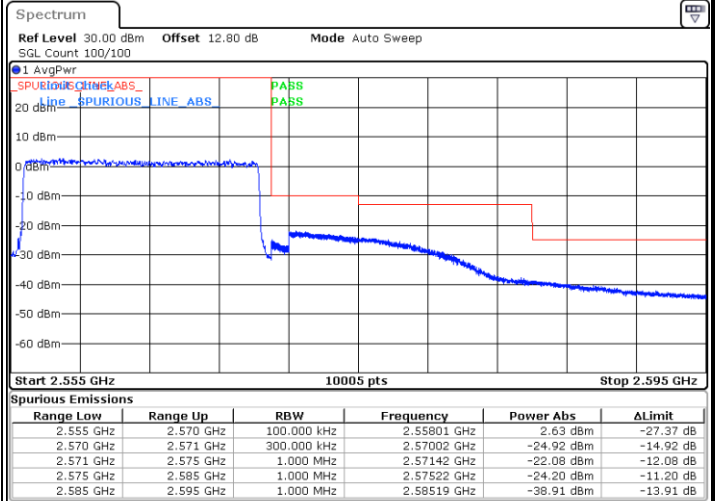
LTE Band 7 / 15MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Date: 31.JUL.2023 20:53:40



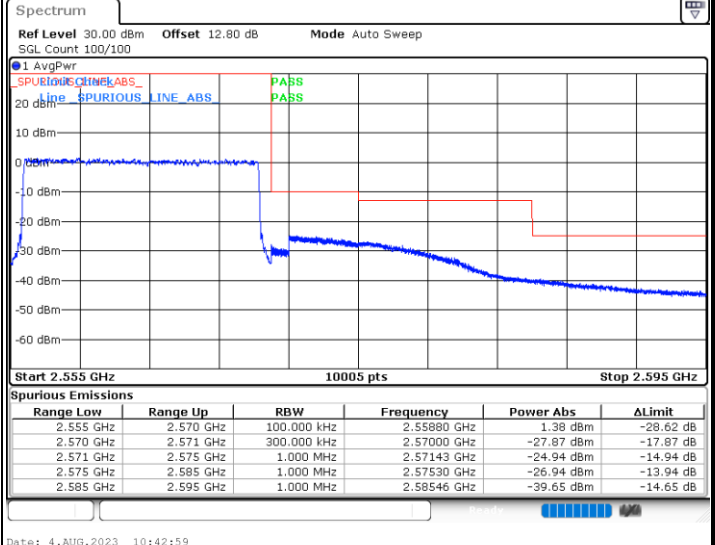
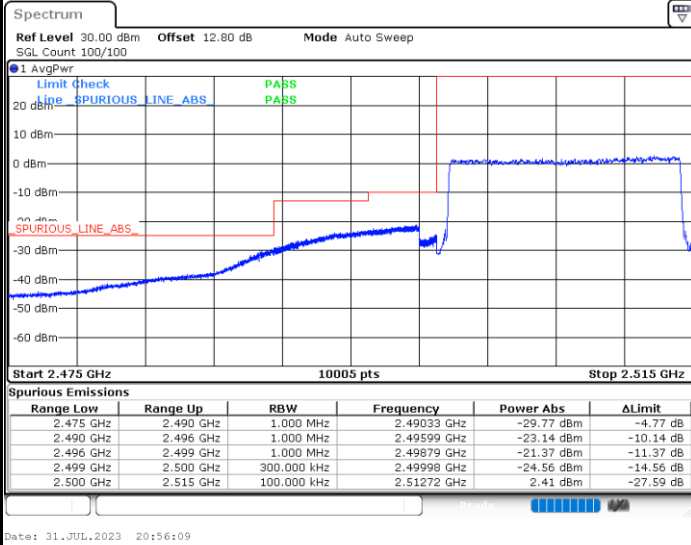
Date: 4.AUG.2023 10:41:29



LTE Band 7 / 15MHz / 64QAM

Lowest Band Edge / Full RB

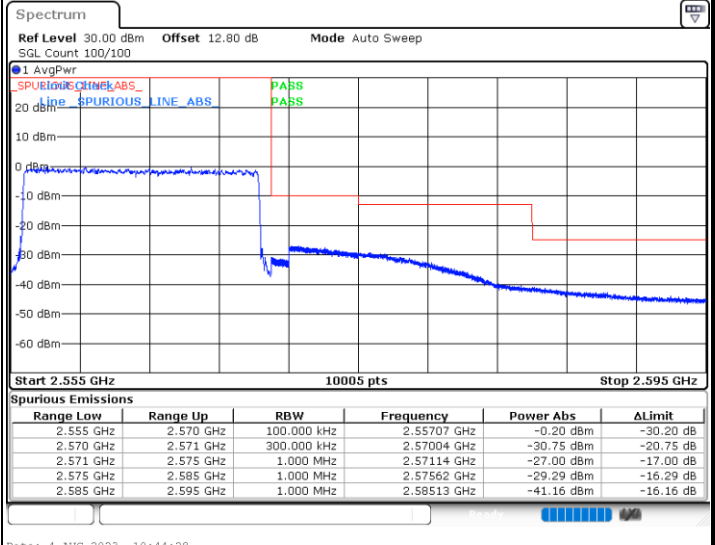
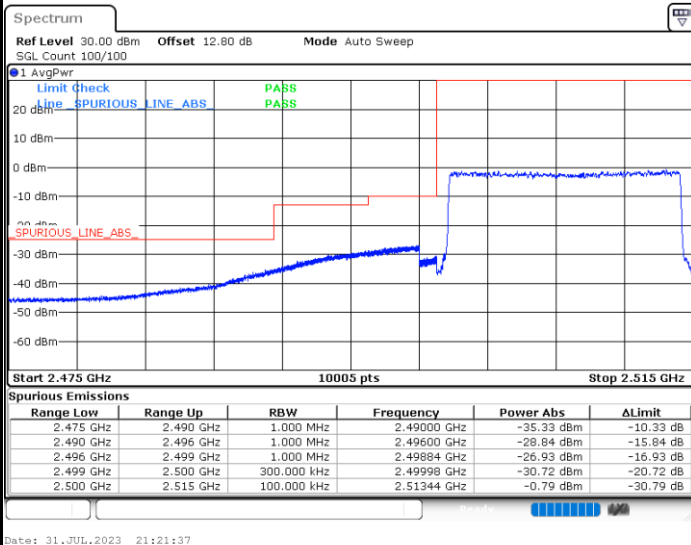
Highest Band Edge / Full RB



LTE Band 7 / 15MHz / 256QAM

Lowest Band Edge / Full RB

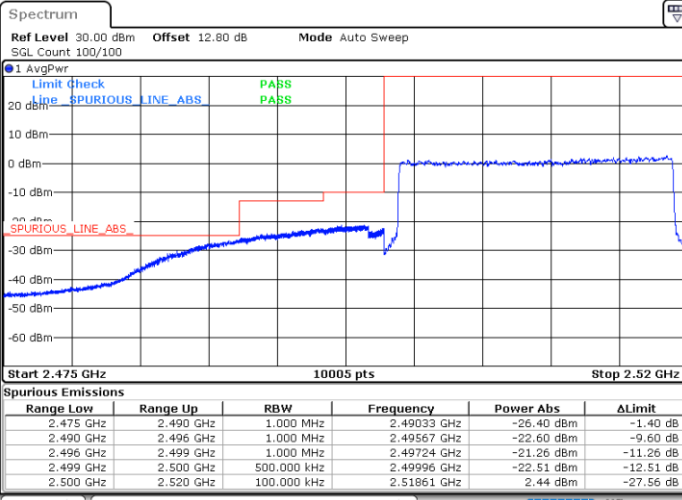
Highest Band Edge / Full RB





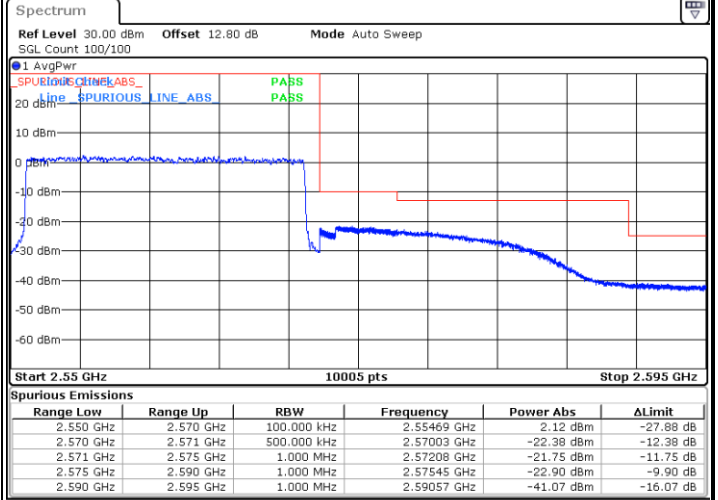
LTE Band 7 / 20MHz / QPSK

Lowest Band Edge / Full RB



Date: 31.JUL.2023 20:57:51

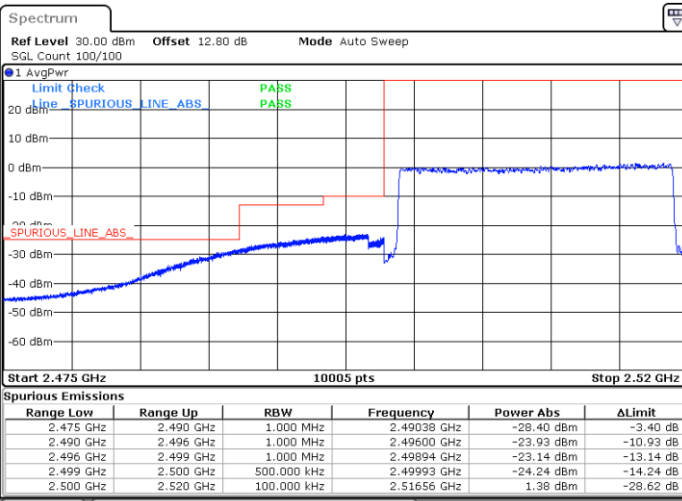
Highest Band Edge / Full RB



Date: 4.AUG.2023 11:25:18

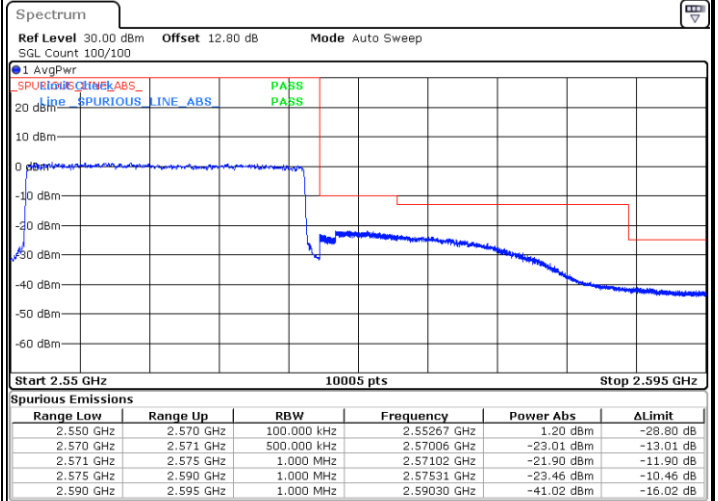
LTE Band 7 / 20MHz / 16QAM

Lowest Band Edge / Full RB



Date: 31.JUL.2023 20:58:46

Highest Band Edge / Full RB



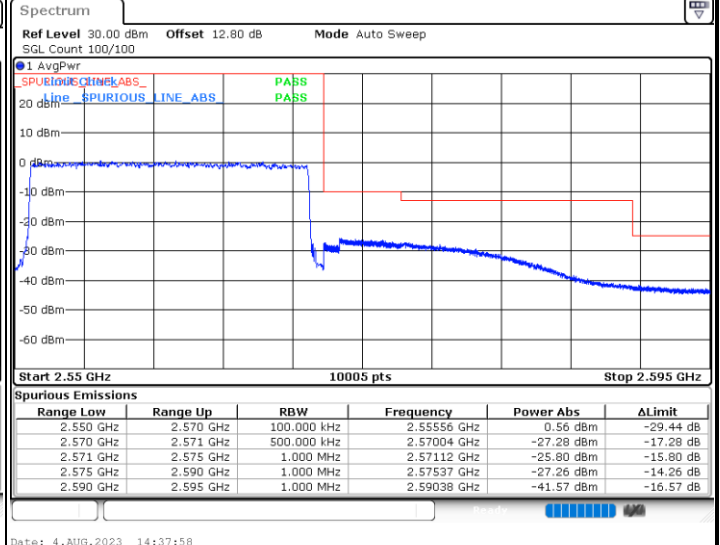
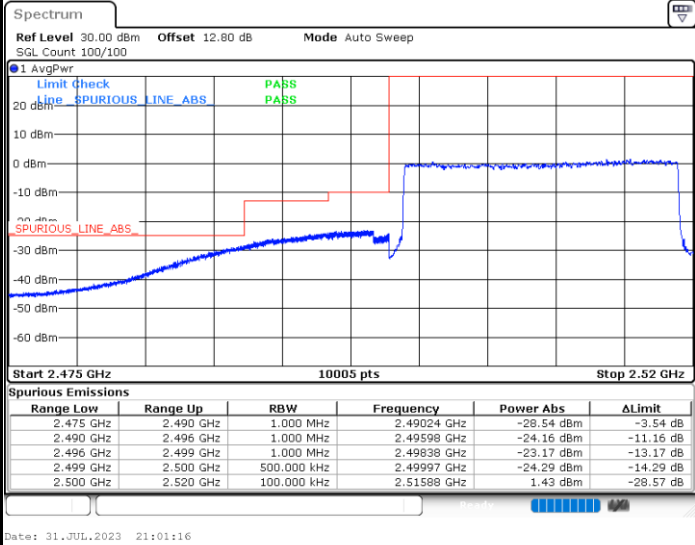
Date: 4.AUG.2023 11:23:48



LTE Band 7 / 20MHz / 64QAM

Lowest Band Edge / Full RB

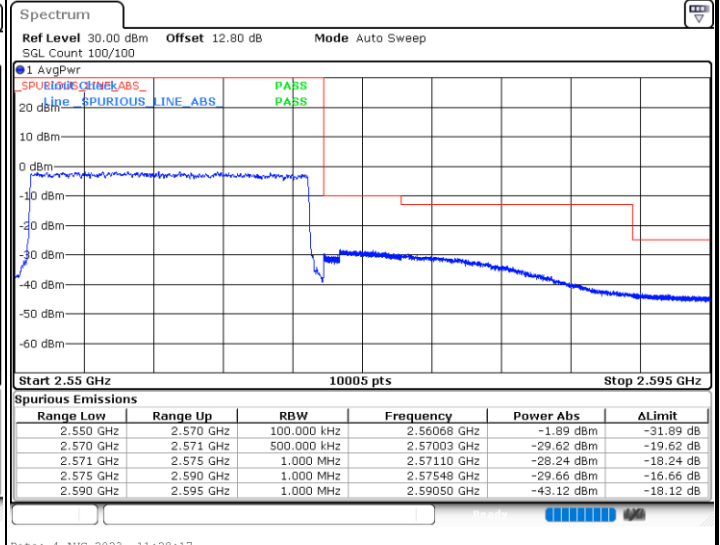
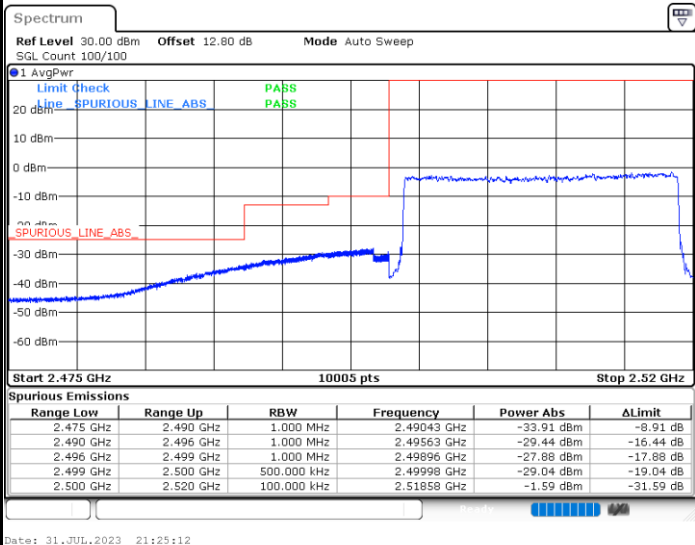
Highest Band Edge / Full RB



LTE Band 7 / 20MHz / 256QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



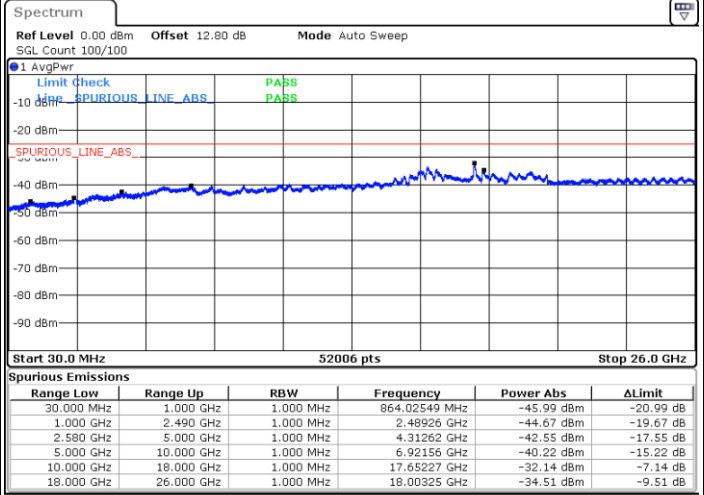
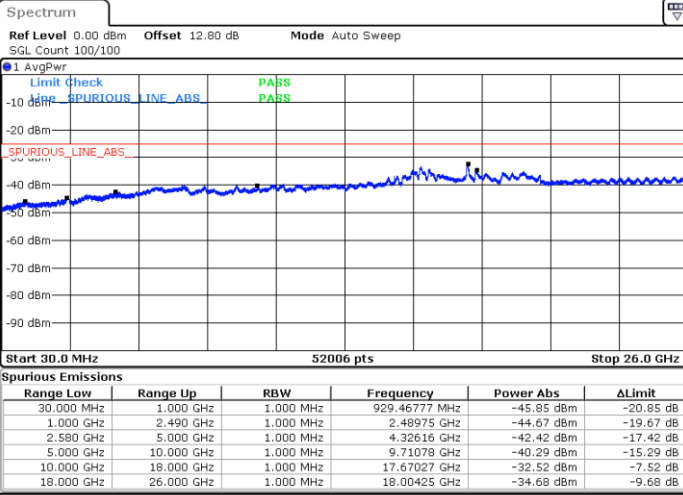


Conducted Spurious Emission

LTE Band 7 / 5MHz

Lowest Channel / QPSK

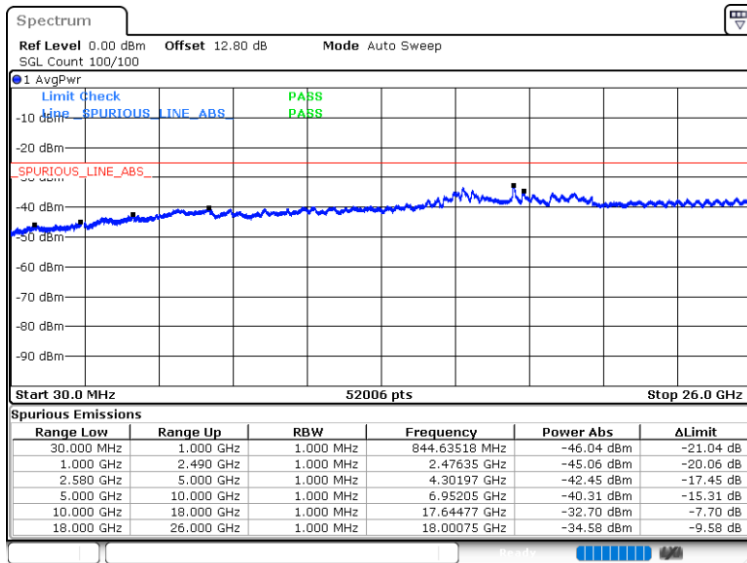
Middle Channel / QPSK



Date: 31.JUL.2023 20:16:59

Date: 31.JUL.2023 20:20:13

Highest Channel / QPSK



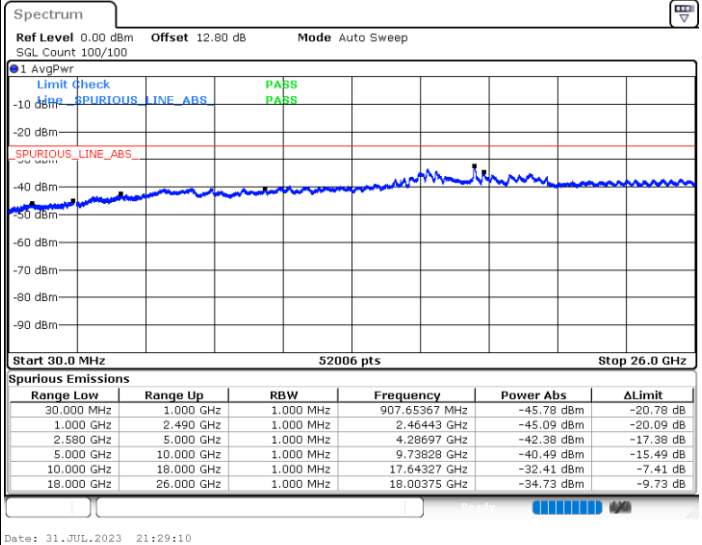
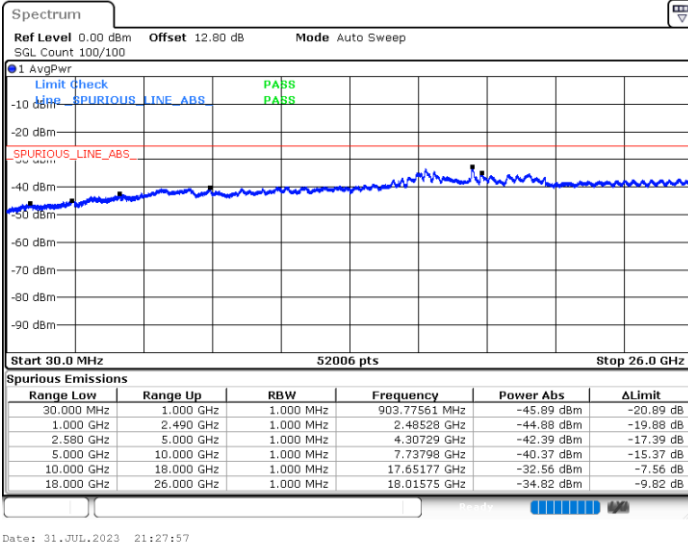
Date: 4.AUG.2023 10:11:28



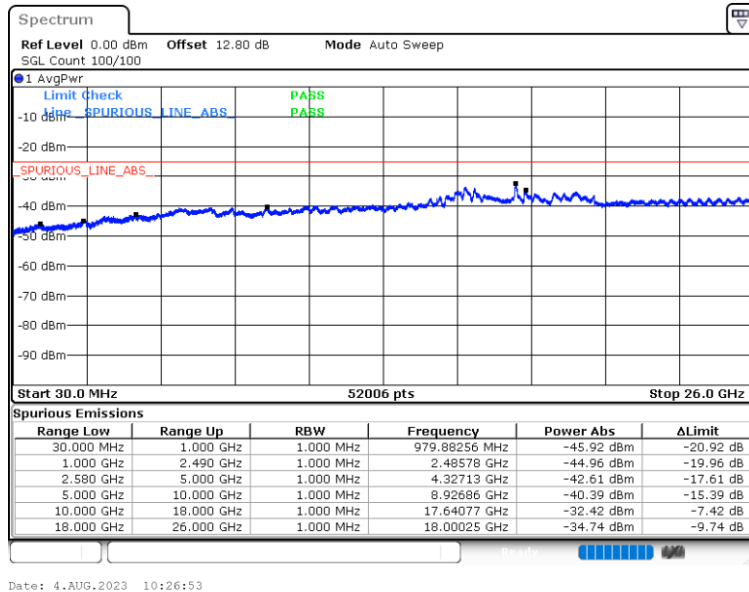
LTE Band 7 / 10MHz

Lowest Channel / QPSK

Middle Channel / QPSK



Highest Channel / QPSK

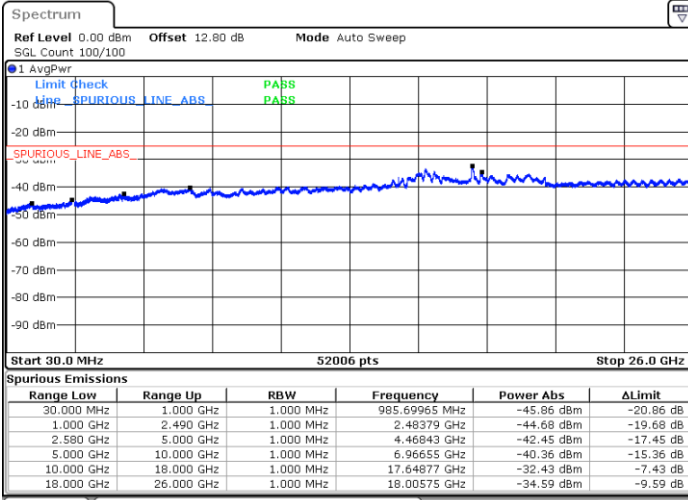




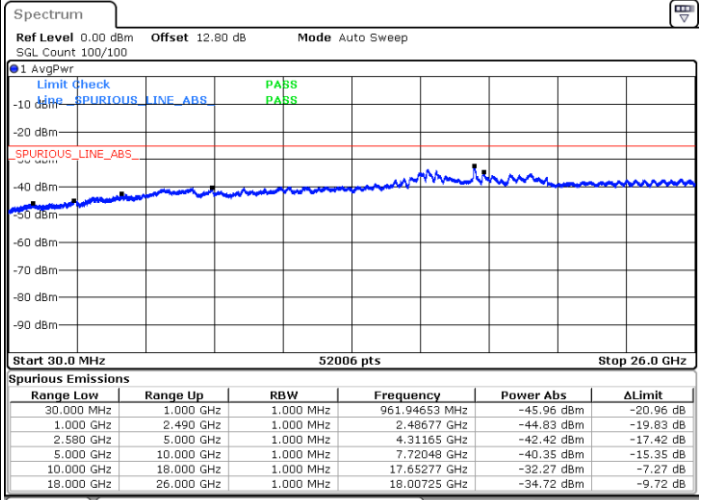
LTE Band 7 / 15MHz

Lowest Channel / QPSK

Middle Channel / QPSK

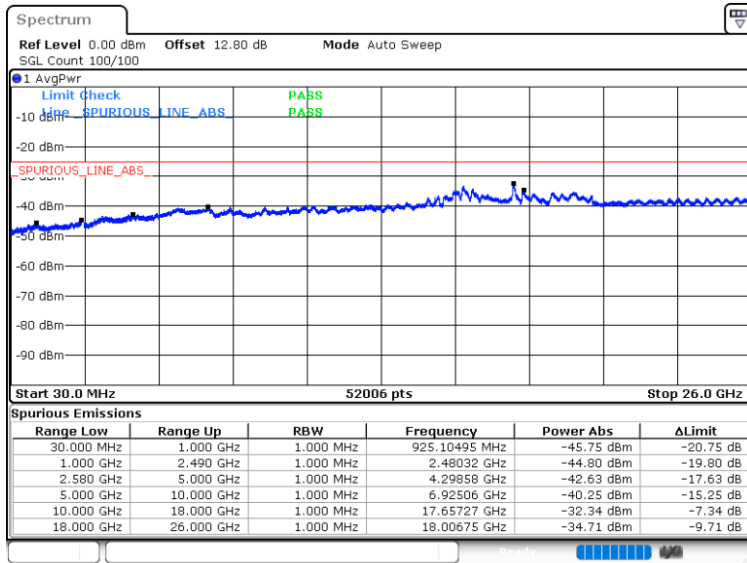


Date: 31.JUL.2023 21:30:24



Date: 31.JUL.2023 21:31:37

Highest Channel / QPSK



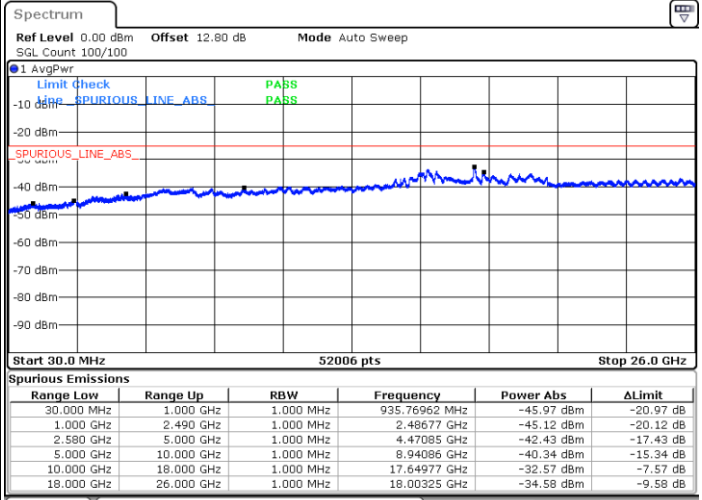
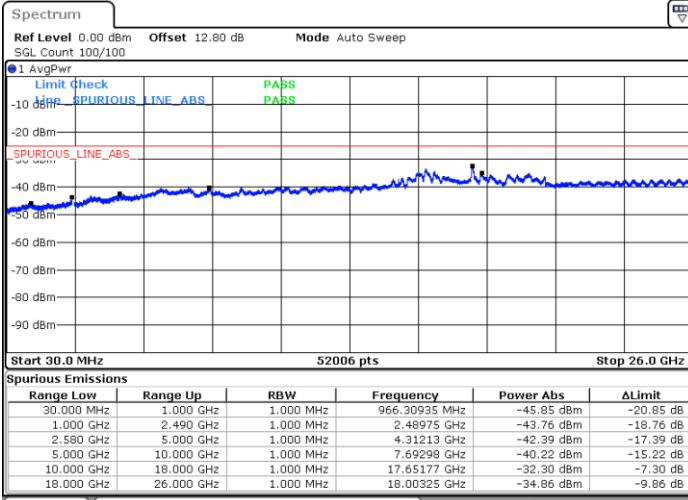
Date: 4.AUG.2023 10:47:44



LTE Band 7 / 20MHz

Lowest Channel / QPSK

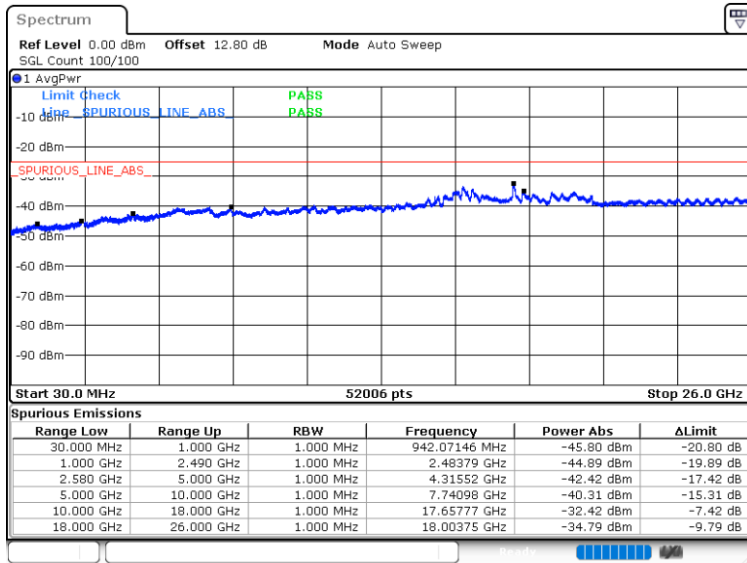
Middle Channel / QPSK



Date: 31.JUL.2023 21:34:03

Date: 31.JUL.2023 21:35:16

Highest Channel / QPSK



Date: 4.AUG.2023 11:31:33



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	0.0042	PASS
40	Normal Voltage	0.0009	
30	Normal Voltage	0.0024	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0042	
0	Normal Voltage	0.0030	
-10	Normal Voltage	0.0054	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0049	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0016	

Note:

- 1. Normal Voltage = 4.05 V. ; Battery End Point (BEP) = 3.85 V. ; Maximum Voltage = 4.35 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 7C

26dB Bandwidth

Mode	LTE Band 7C : 26dB BW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.85	25.33	30.51	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.90	39.96	

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.79	25.33	30.63	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.03	34.97	40.04	

Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.97	25.28	30.57	34.90
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.15	34.83	39.88	

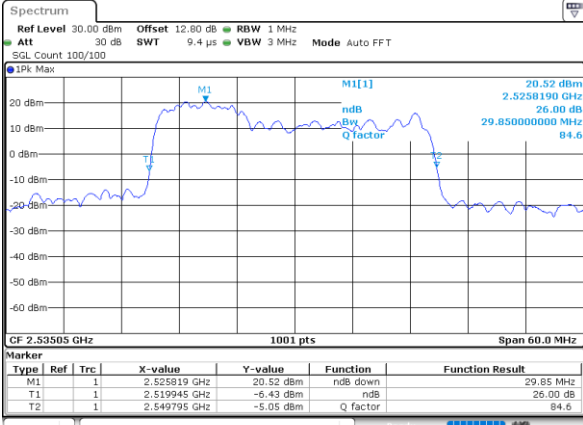
Mode	LTE Band 7C : 26dB BW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	29.79	25.38	30.63	34.83
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	30.09	34.83	40.12	



LTE Band 7C

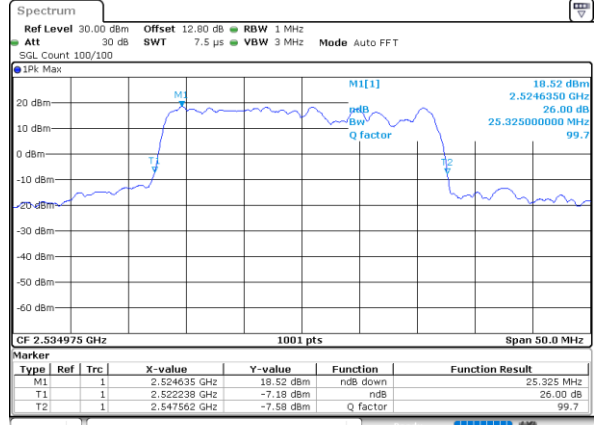
QPSK

Middle Channel / 10MHz+20MHz



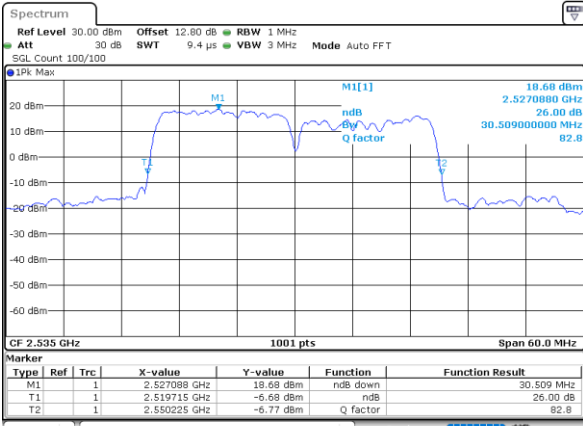
Date: 22_AUG.2023 00:12:14

Middle Channel / 15MHz+10MHz



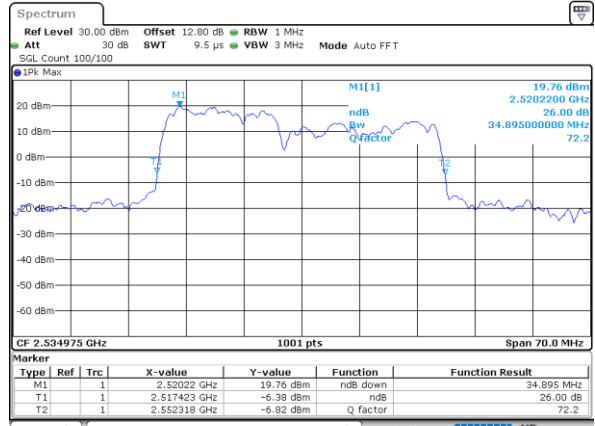
Date: 22_AUG.2023 12:22:01

Middle Channel / 15MHz+15MHz



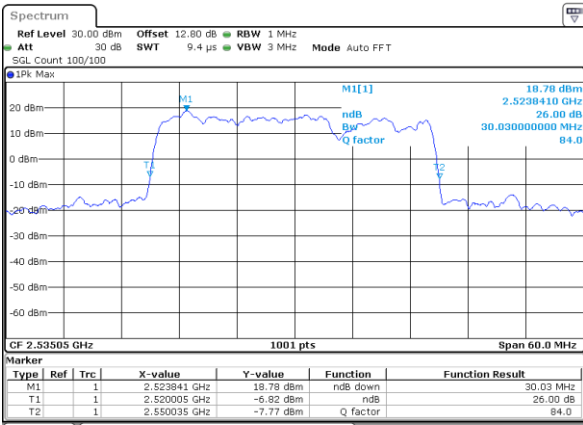
Date: 22_AUG.2023 09:38:52

Middle Channel / 15MHz+20MHz



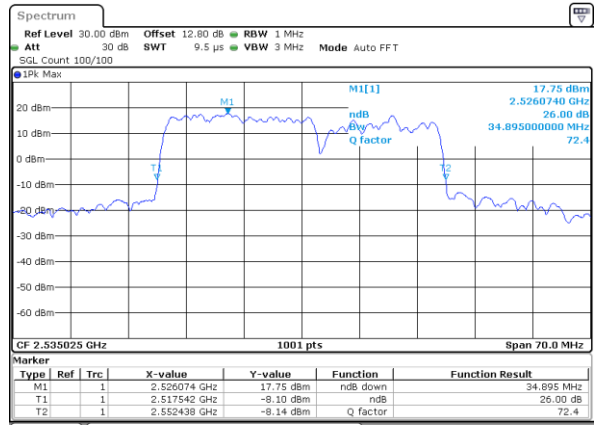
Date: 22_AUG.2023 10:20:26

Middle Channel / 20MHz+10MHz



Date: 22_AUG.2023 01:09:46

Middle Channel / 20MHz+15MHz



Date: 22_AUG.2023 11:03:22

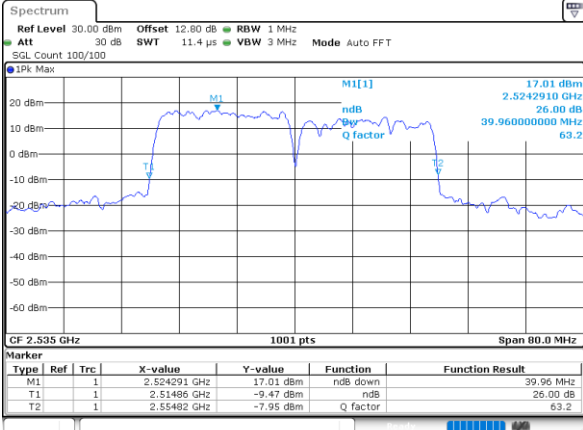


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A



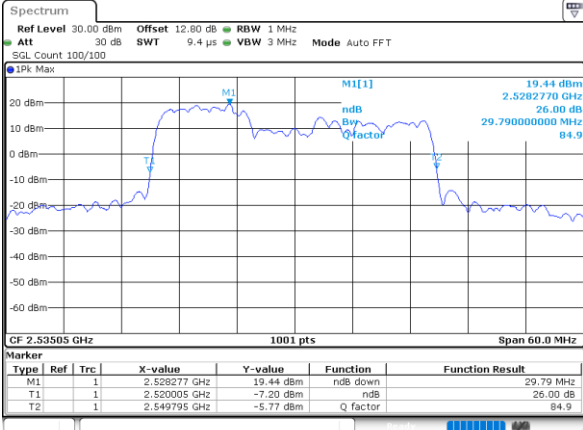
Date: 22_AUG_2023 11:42:23



LTE Band 7C

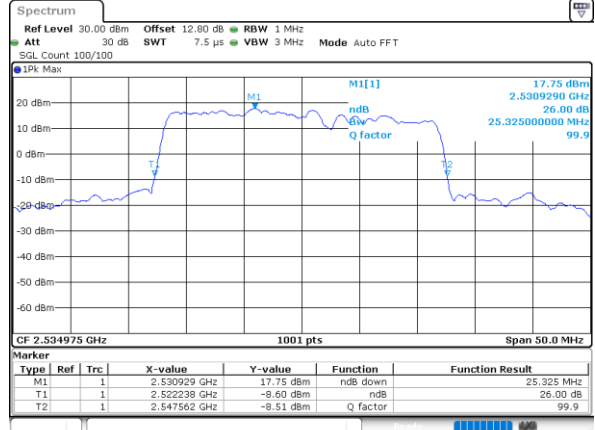
16QAM

Middle Channel / 10MHz+20MHz



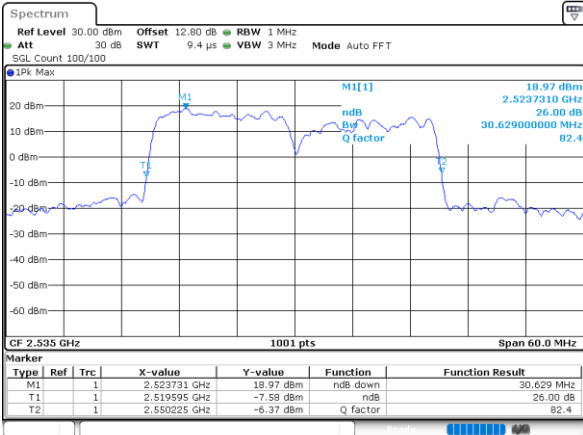
Date: 22_AUG.2023 00:11:37

Middle Channel / 15MHz+10MHz



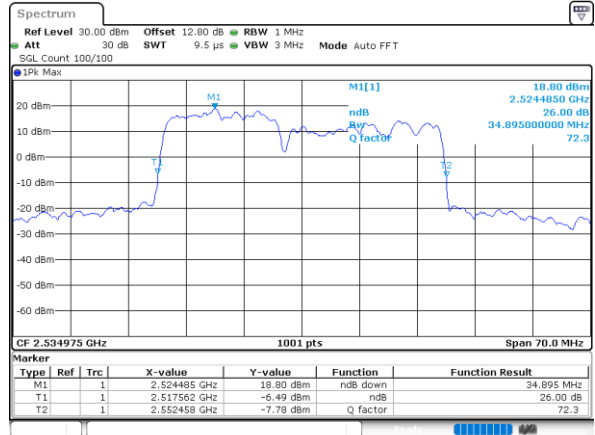
Date: 22_AUG.2023 12:21:24

Middle Channel / 15MHz+15MHz



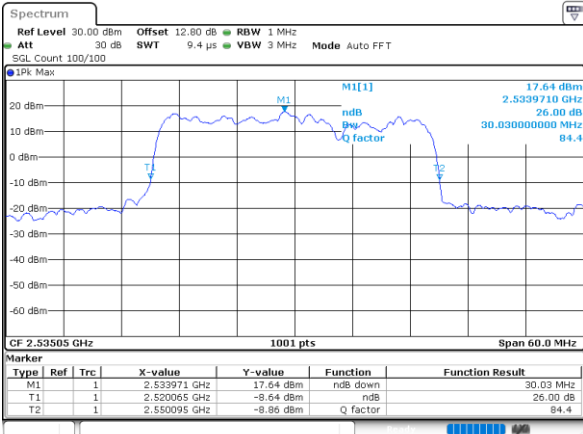
Date: 22_AUG.2023 09:38:20

Middle Channel / 15MHz+20MHz



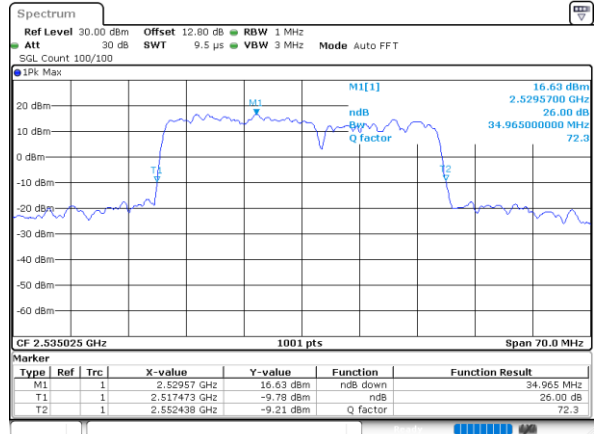
Date: 22_AUG.2023 10:19:49

Middle Channel / 20MHz+10MHz



Date: 22_AUG.2023 01:09:10

Middle Channel / 20MHz+15MHz



Date: 22_AUG.2023 11:02:45

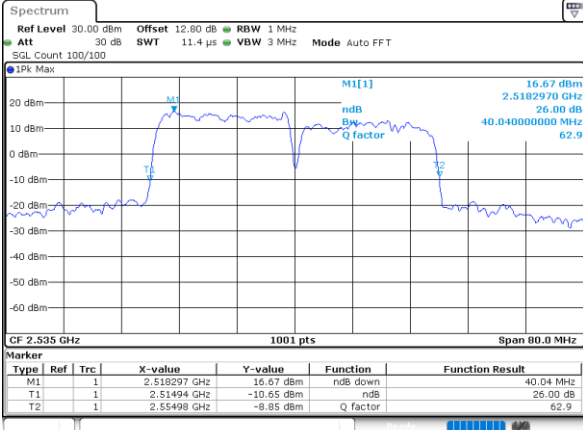


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



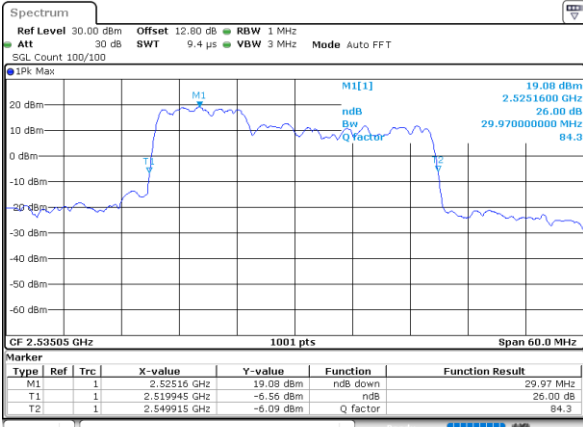
Date: 22_AUG_2023 11:41:51



LTE Band 7C

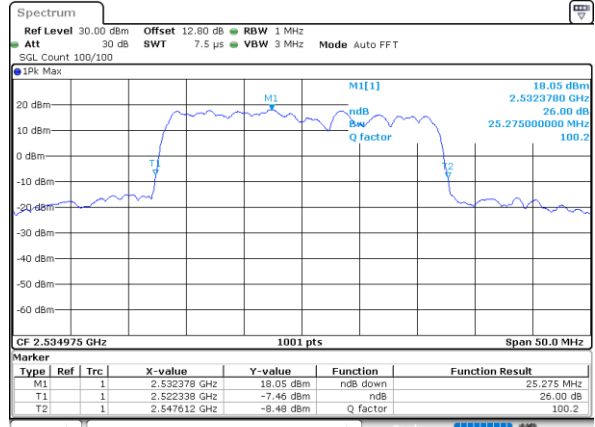
64QAM

Middle Channel / 10MHz+20MHz



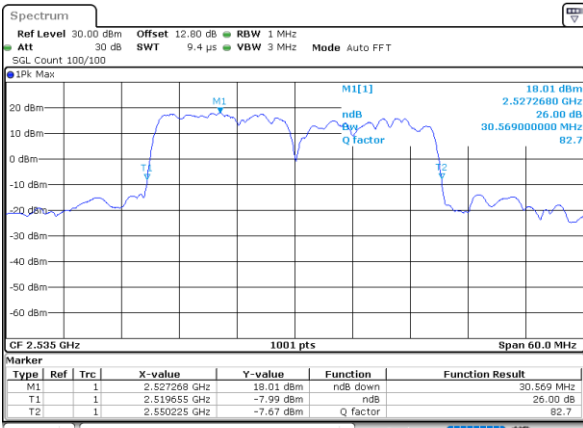
Date: 22_AUG.2023 00:11:00

Middle Channel / 15MHz+10MHz



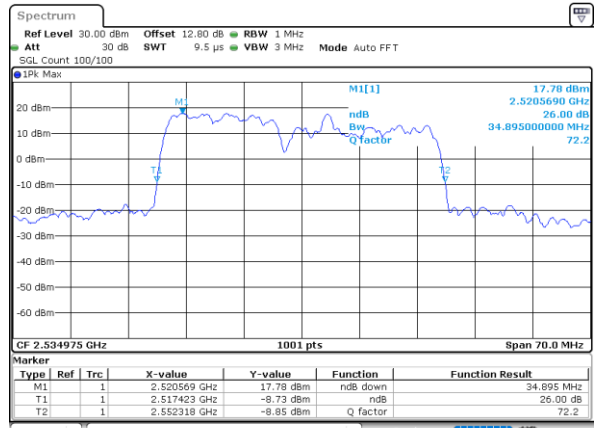
Date: 22_AUG.2023 12:20:47

Middle Channel / 15MHz+15MHz



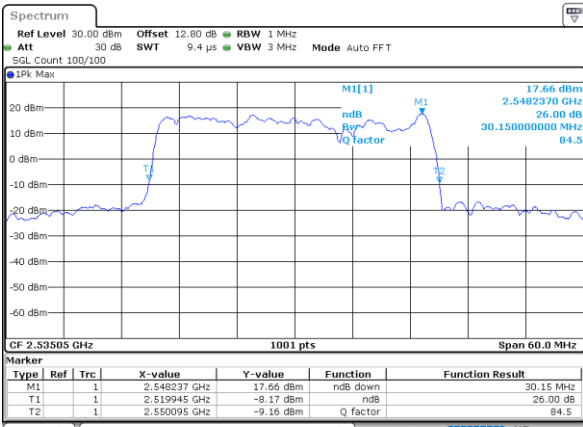
Date: 22_AUG.2023 09:37:48

Middle Channel / 15MHz+20MHz



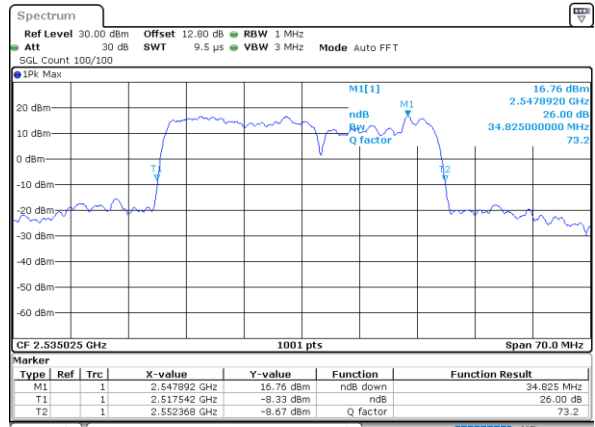
Date: 22_AUG.2023 10:19:12

Middle Channel / 20MHz+10MHz



Date: 22_AUG.2023 01:08:33

Middle Channel / 20MHz+15MHz



Date: 22_AUG.2023 11:02:09

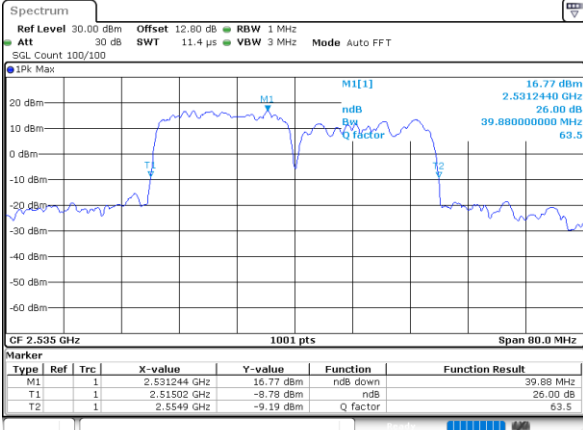


LTE Band 7C

64QAM

Middle Channel / 20MHz+20MHz

N/A



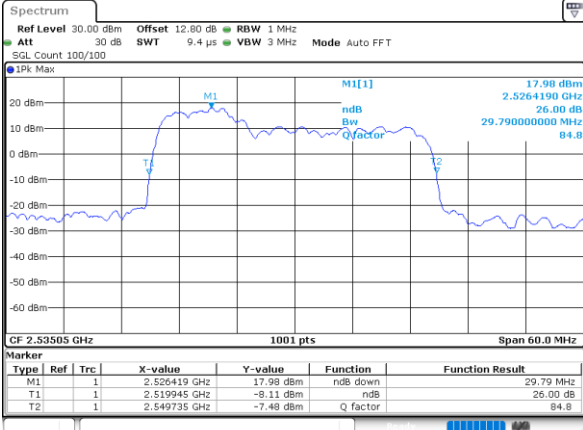
Date: 22_AUG_2023 11:41:20



LTE Band 7C

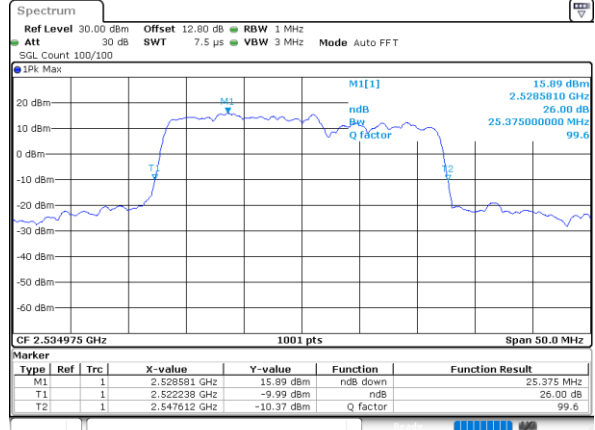
256QAM

Middle Channel / 10MHz+20MHz



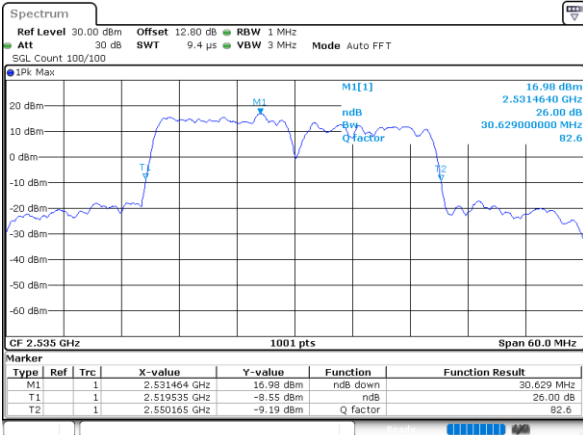
Date: 22_AUG.2023 13:48:19

Middle Channel / 15MHz+10MHz



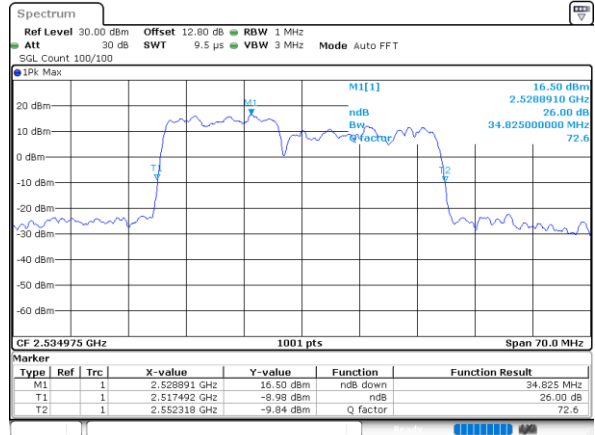
Date: 22_AUG.2023 15:25:57

Middle Channel / 15MHz+15MHz



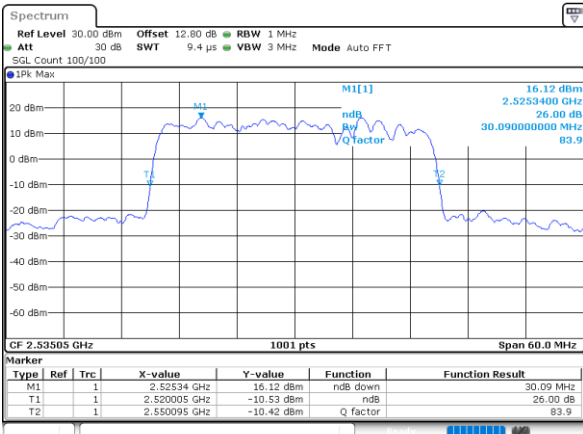
Date: 22_AUG.2023 14:16:26

Middle Channel / 15MHz+20MHz



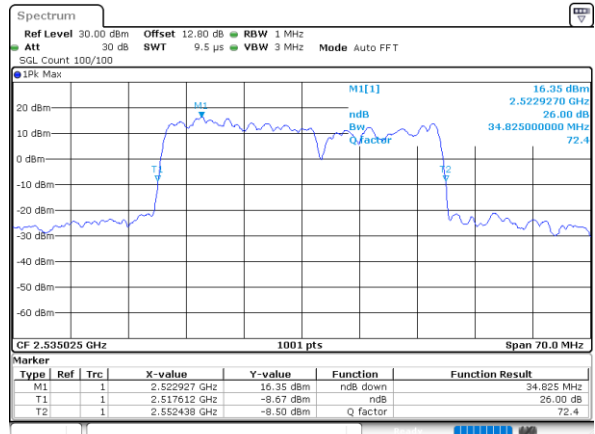
Date: 22_AUG.2023 14:37:15

Middle Channel / 20MHz+10MHz



Date: 22_AUG.2023 14:02:34

Middle Channel / 20MHz+15MHz



Date: 22_AUG.2023 14:55:56

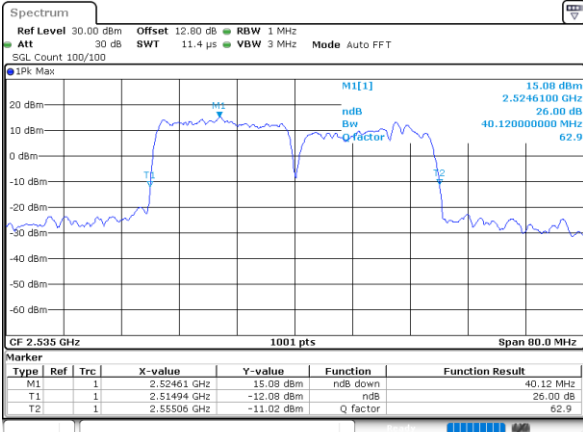


LTE Band 7C

256QAM

Middle Channel / 20MHz+20MHz

N/A



Date: 22_AUG_2023 15:12:55



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.99	23.68	28.41	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.87	33.01	37.88	

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.87	23.43	28.77	33.22
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.87	37.80	

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	27.81	23.43	28.65	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.99	32.87	37.72	

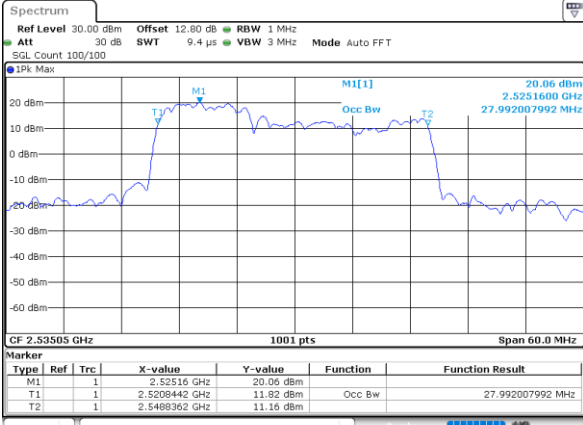
Mode	LTE Band 7C : 99%OBW(MHz)			
256QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Middle CH	28.05	23.53	28.35	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Middle CH	27.93	33.15	37.48	



LTE Band 7C

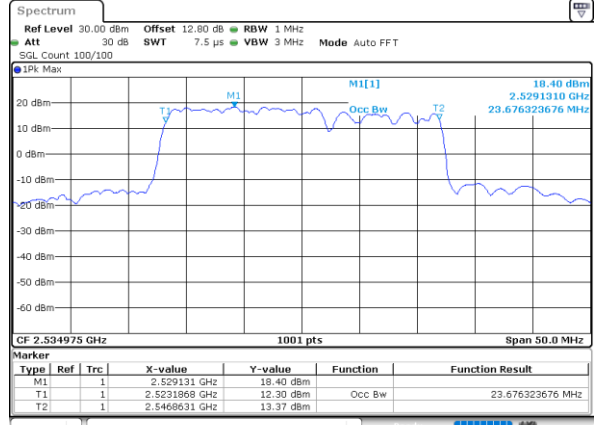
QPSK

Middle Channel / 10MHz+20MHz



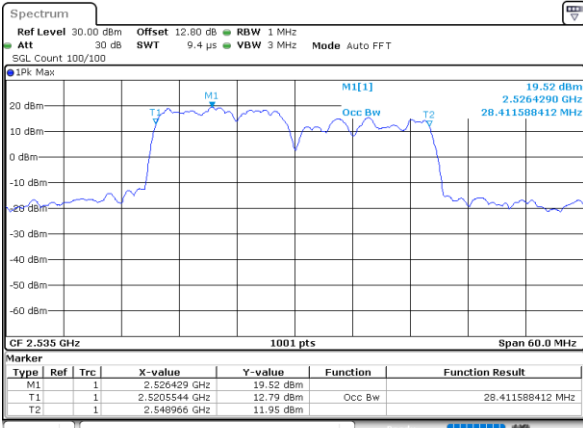
Date: 22_AUG_2023 00:09:11

Middle Channel / 15MHz+10MHz



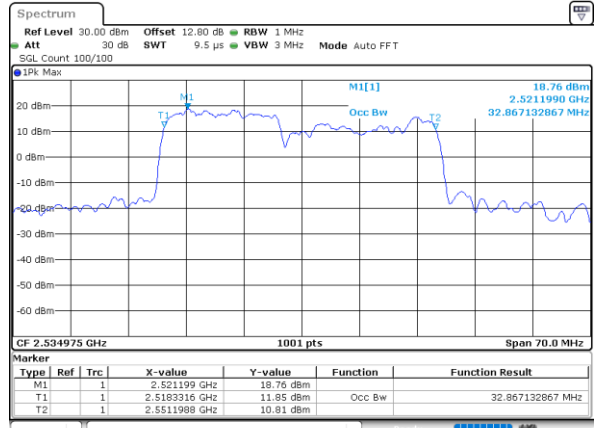
Date: 22_AUG_2023 12:18:58

Middle Channel / 15MHz+15MHz



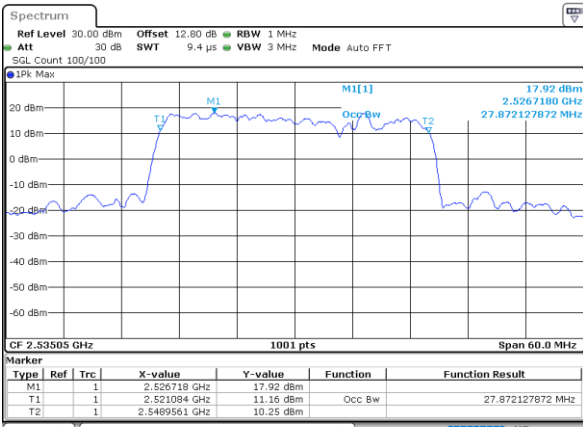
Date: 22_AUG_2023 09:36:14

Middle Channel / 15MHz+20MHz



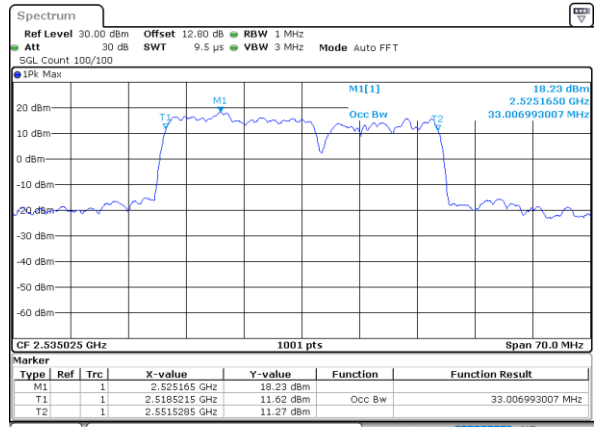
Date: 22_AUG_2023 10:17:22

Middle Channel / 20MHz+10MHz



Date: 22_AUG_2023 01:06:44

Middle Channel / 20MHz+15MHz



Date: 22_AUG_2023 11:00:18

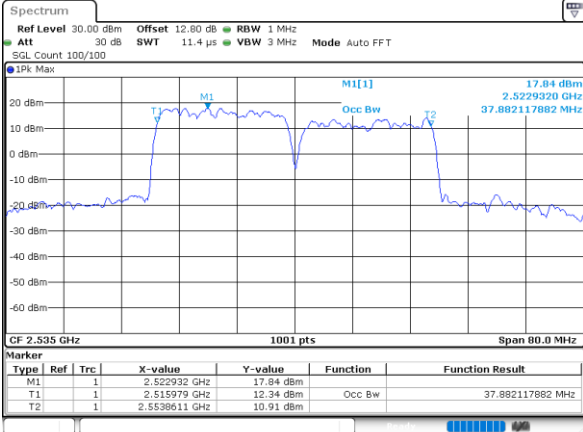


LTE Band 7C

QPSK

Middle Channel / 20MHz+20MHz

N/A

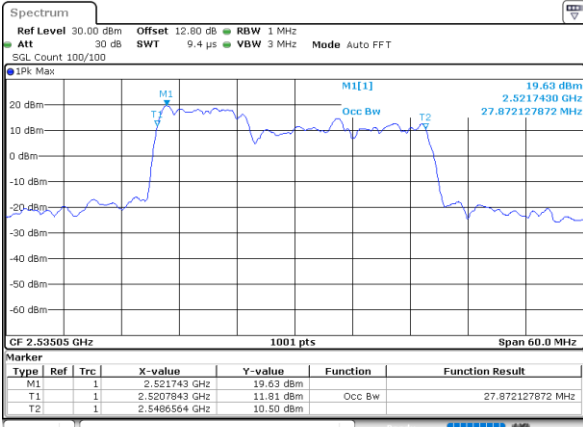




LTE Band 7C

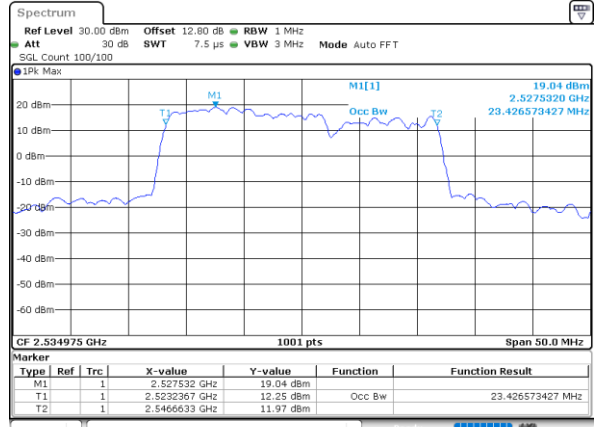
16QAM

Middle Channel / 10MHz+20MHz



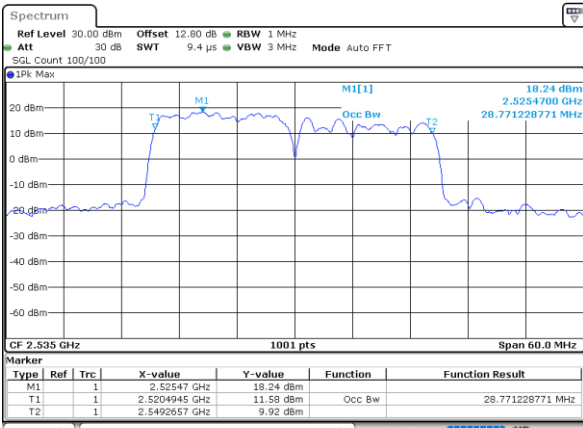
Date: 22_AUG_2023 00:09:48

Middle Channel / 15MHz+10MHz



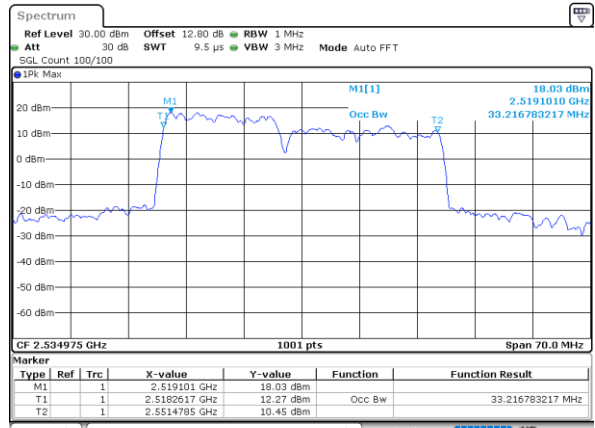
Date: 22_AUG_2023 12:19:35

Middle Channel / 15MHz+15MHz



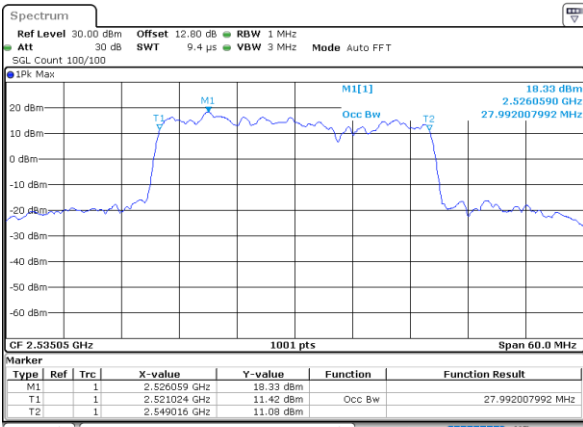
Date: 22_AUG_2023 09:36:46

Middle Channel / 15MHz+20MHz



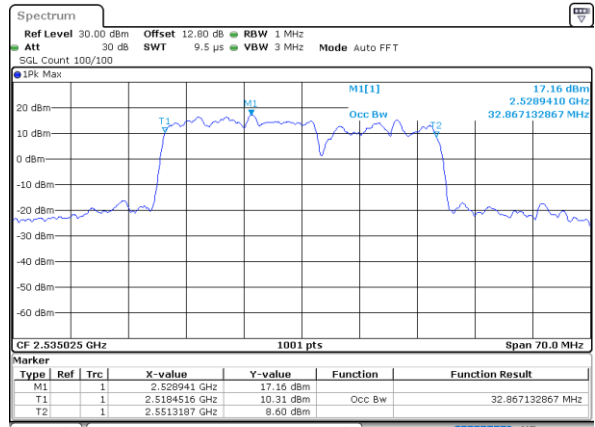
Date: 22_AUG_2023 10:17:59

Middle Channel / 20MHz+10MHz



Date: 22_AUG_2023 01:07:23

Middle Channel / 20MHz+15MHz



Date: 22_AUG_2023 11:00:55

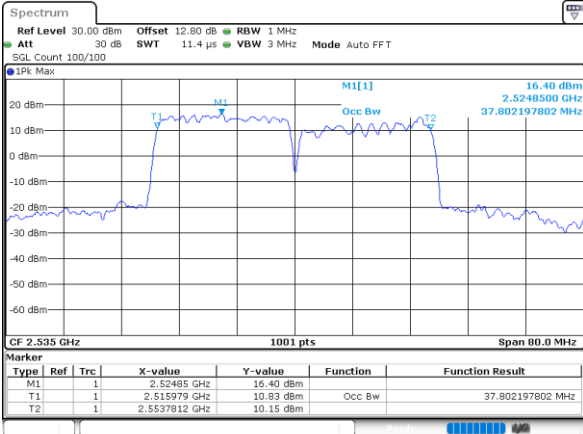


LTE Band 7C

16QAM

Middle Channel / 20MHz+20MHz

N/A



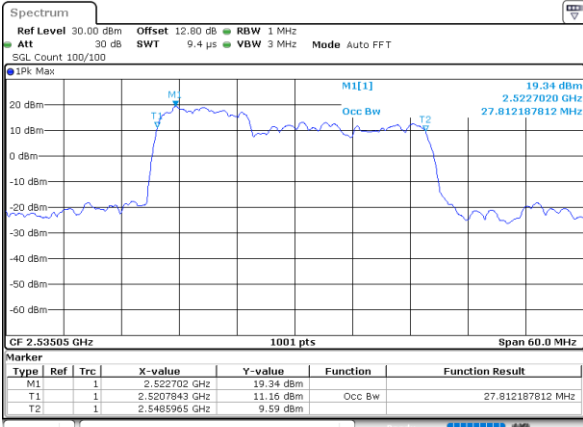
Date: 22_AUG_2023 11:40:17



LTE Band 7C

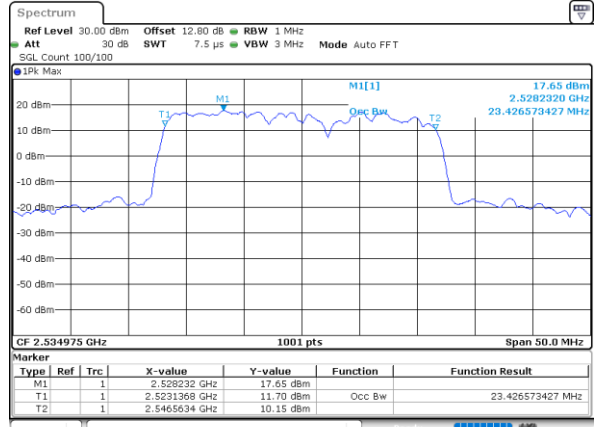
64QAM

Middle Channel / 10MHz+20MHz



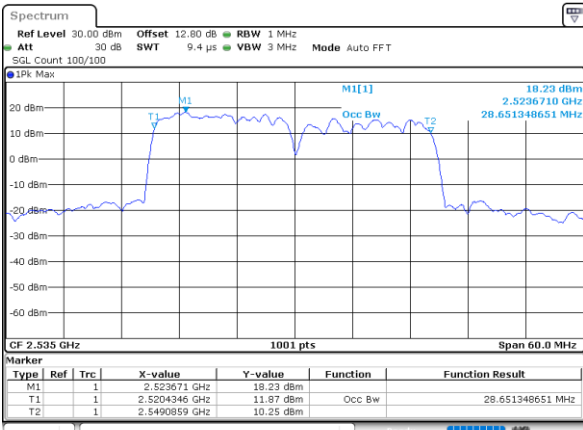
Date: 22_AUG.2023 00:10:24

Middle Channel / 15MHz+10MHz



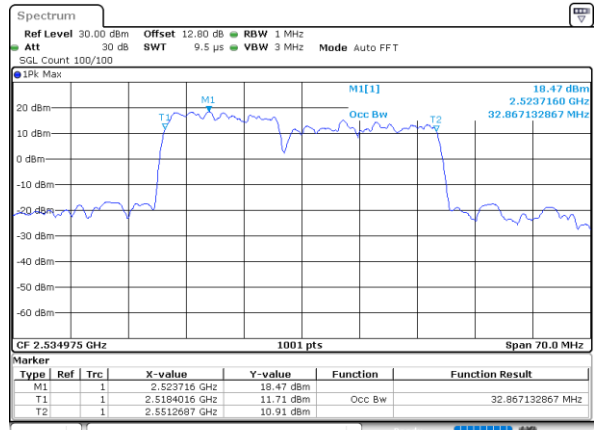
Date: 22_AUG.2023 12:20:11

Middle Channel / 15MHz+15MHz



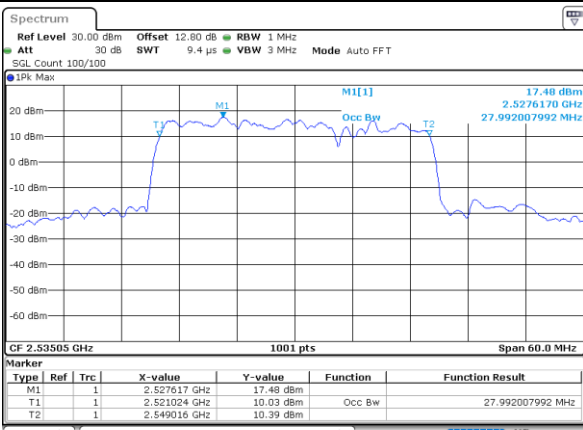
Date: 22_AUG.2023 09:37:18

Middle Channel / 15MHz+20MHz



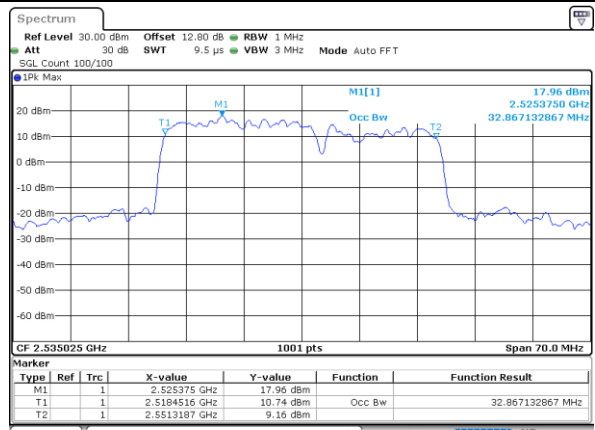
Date: 22_AUG.2023 10:18:36

Middle Channel / 20MHz+10MHz



Date: 22_AUG.2023 01:07:57

Middle Channel / 20MHz+15MHz



Date: 22_AUG.2023 11:01:32