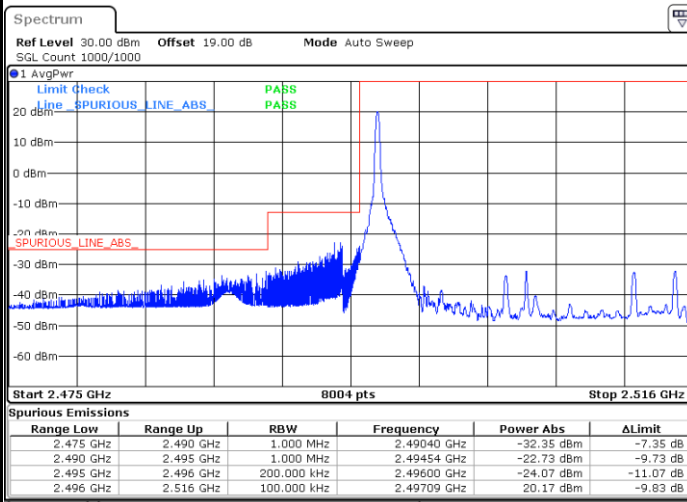




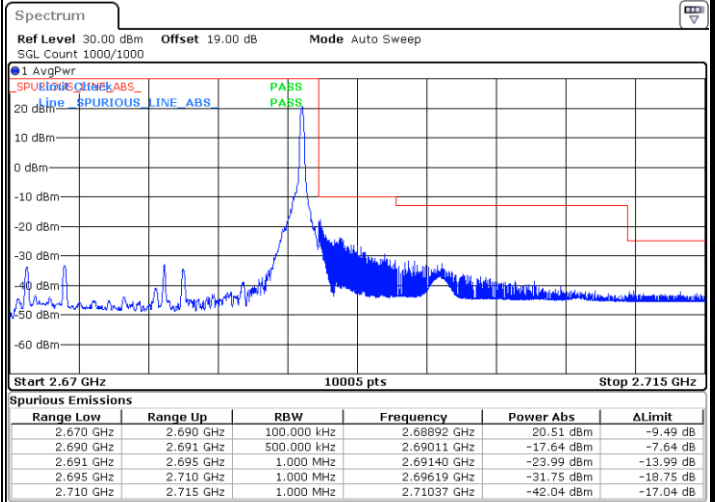
LTE Band 41 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



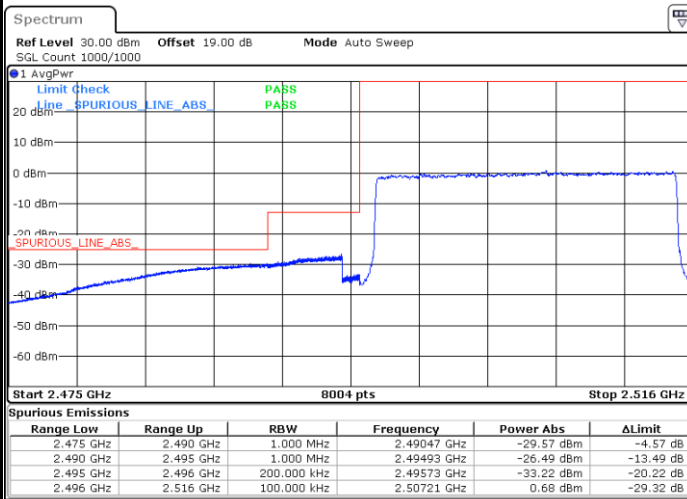
Date: 11.JUL.2022 11:05:24

Highest Band Edge / 1 RB



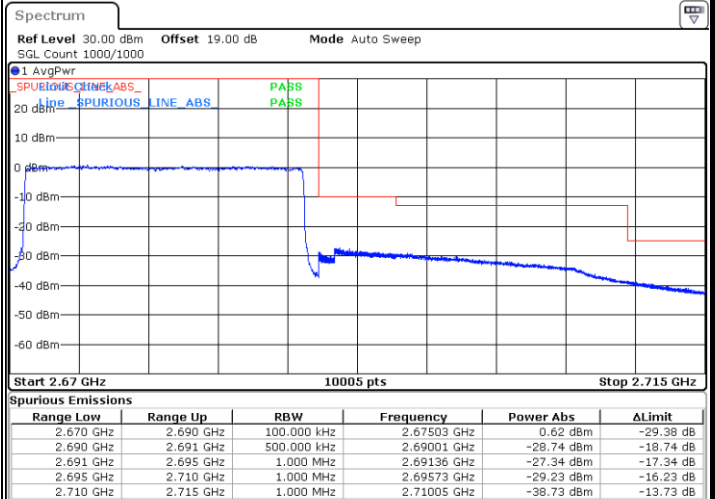
Date: 11.JUL.2022 11:10:15

Lowest Band Edge / Full RB



Date: 11.JUL.2022 11:07:50

Highest Band Edge / Full RB

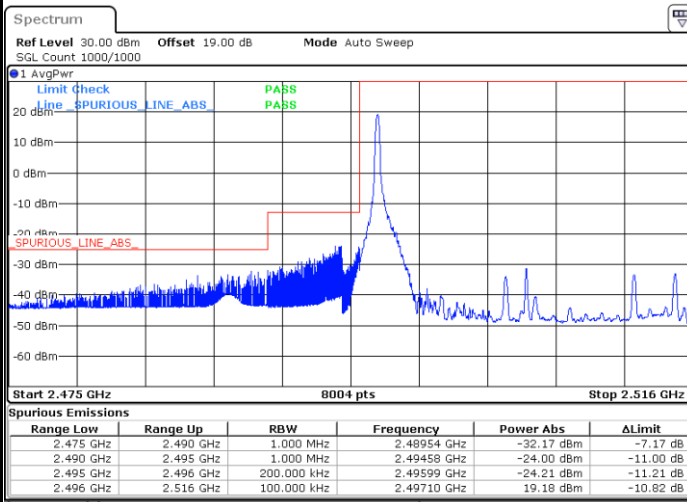


Date: 11.JUL.2022 11:11:27



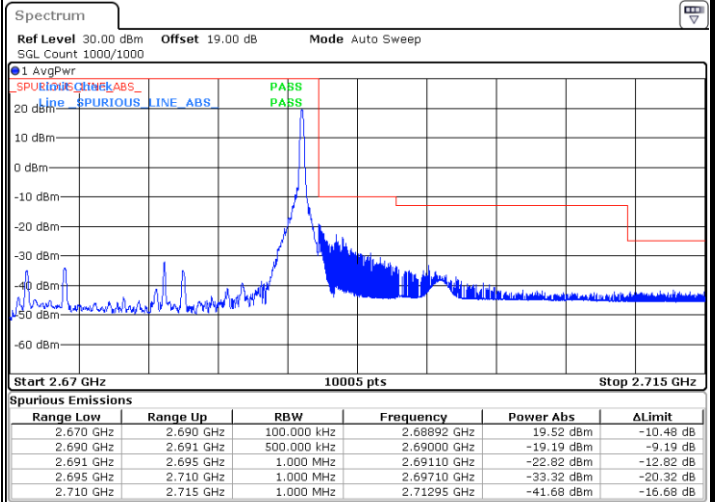
LTE Band 41 / 20MHz / 64QAM

Lowest Band Edge / 1 RB



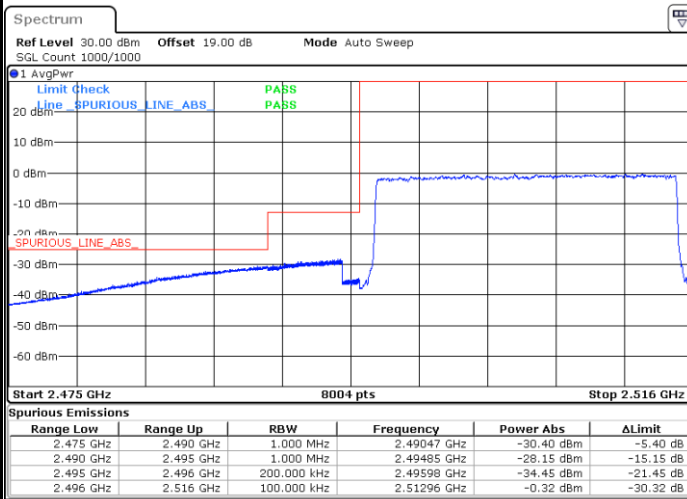
Date: 11.JUL.2022 11:13:53

Highest Band Edge / 1 RB



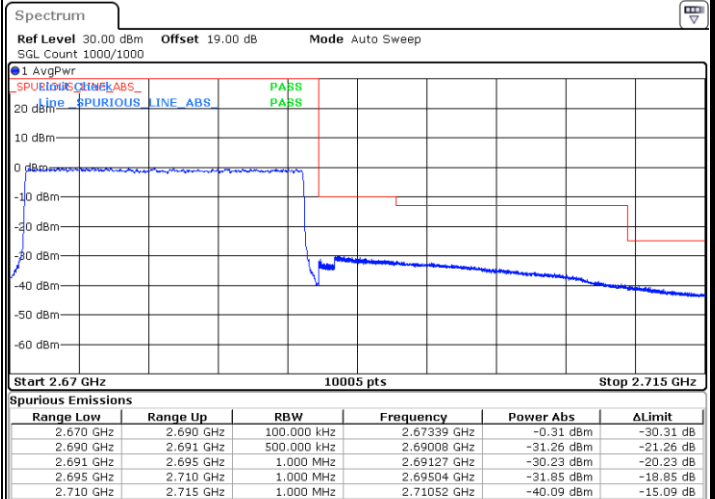
Date: 11.JUL.2022 11:16:18

Lowest Band Edge / Full RB



Date: 11.JUL.2022 11:15:06

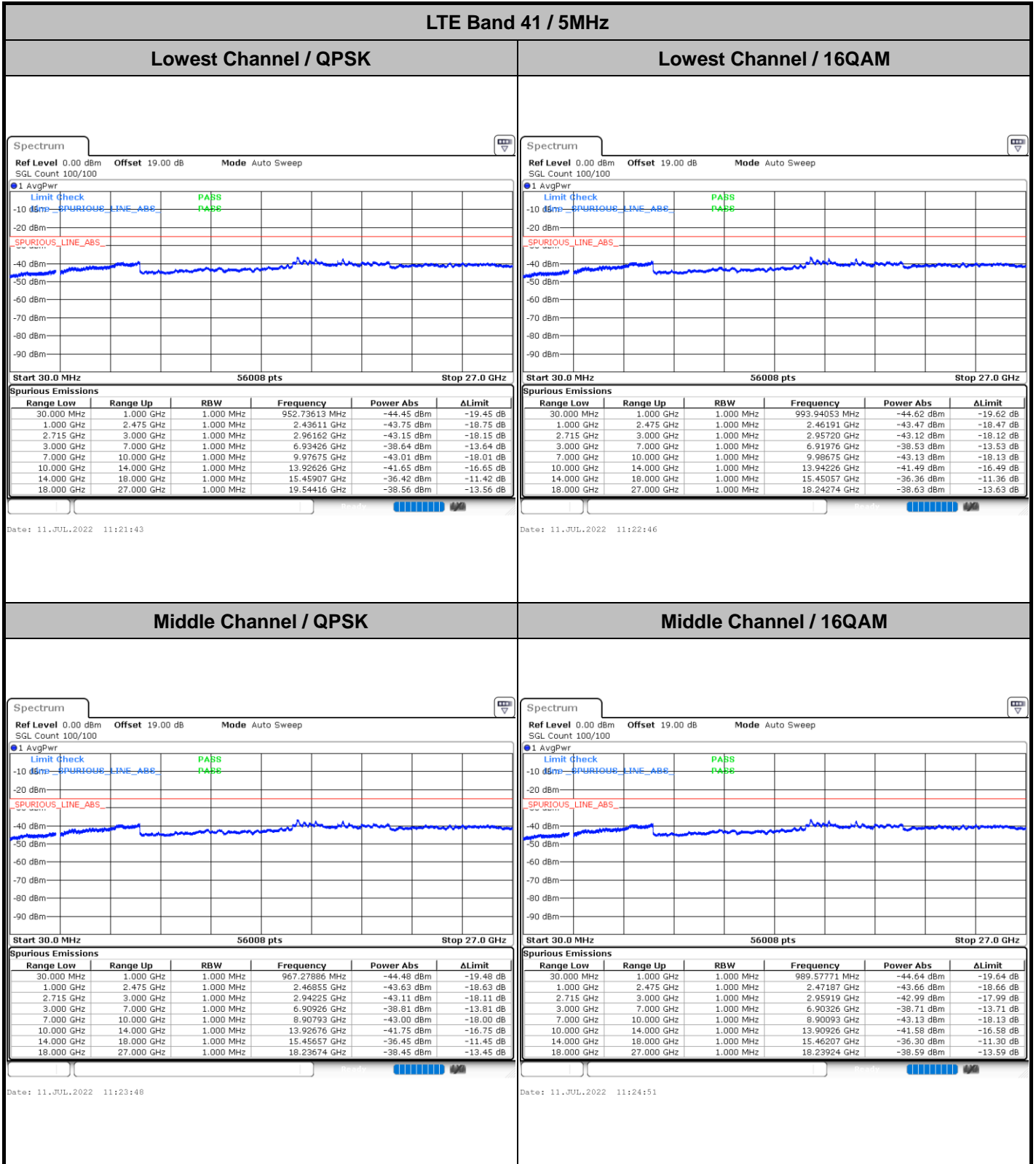
Highest Band Edge / Full RB



Date: 11.JUL.2022 11:17:31



Conducted Spurious Emission

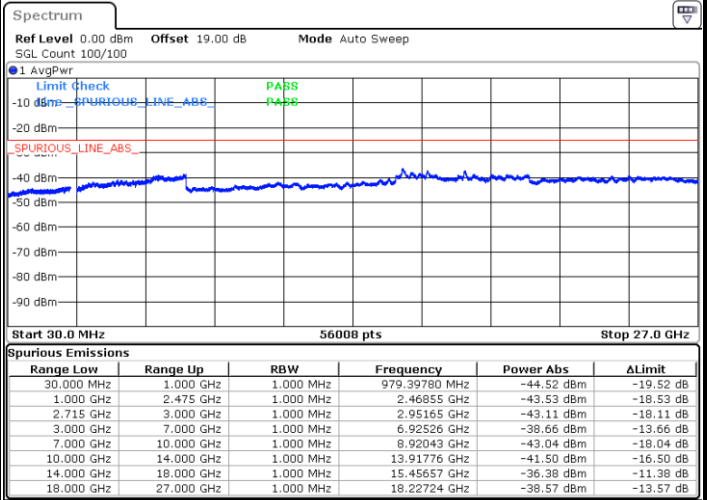
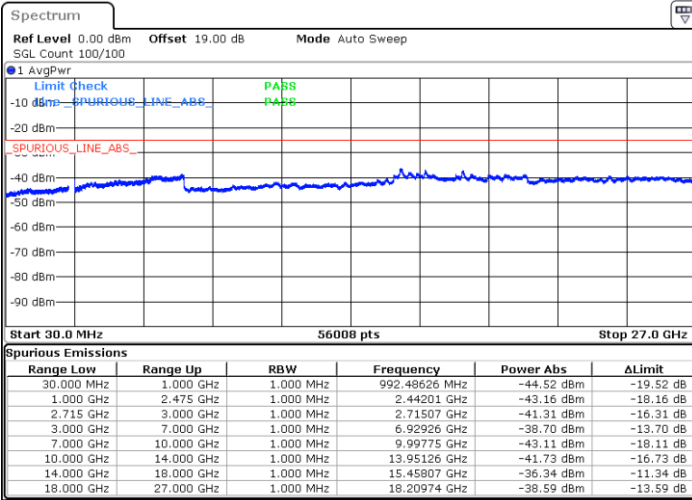




LTE Band 41 / 5MHz

Highest Channel / QPSK

Highest Channel / 16QAM



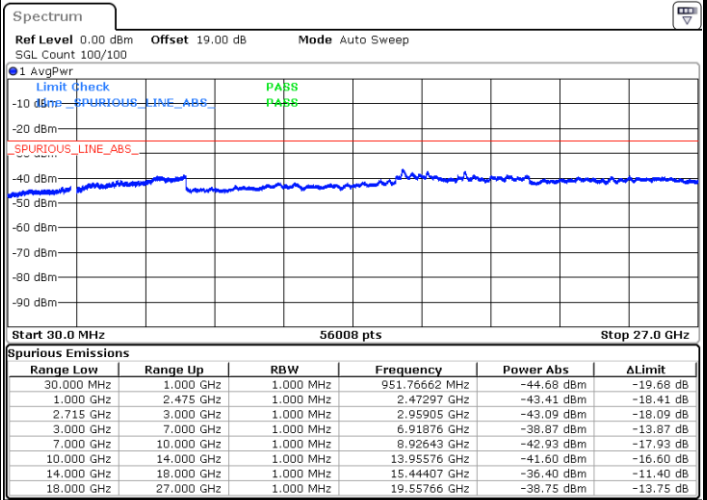
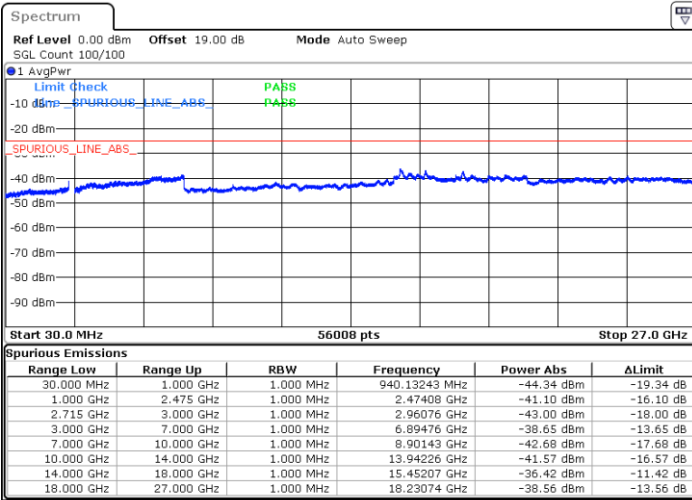
Date: 11.JUL.2022 11:25:54

Date: 11.JUL.2022 11:26:57

LTE Band 41 / 10MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 11.JUL.2022 11:31:09

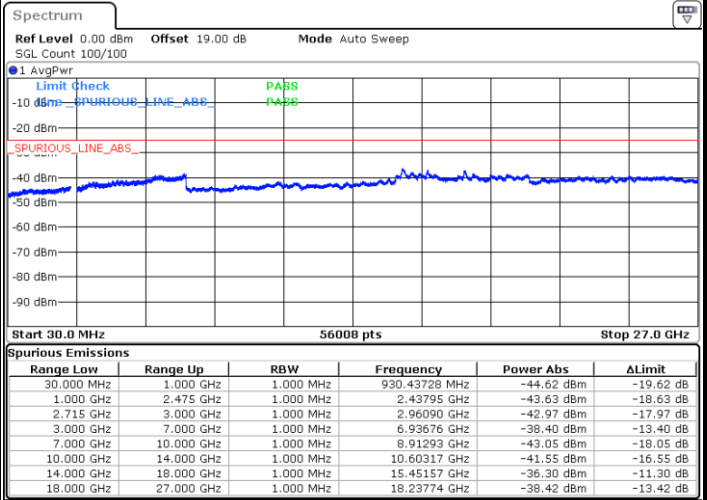
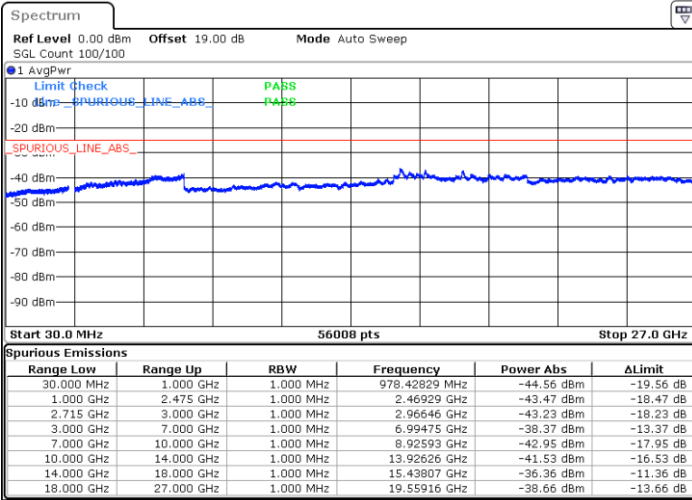
Date: 11.JUL.2022 11:32:12



LTE Band 41 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

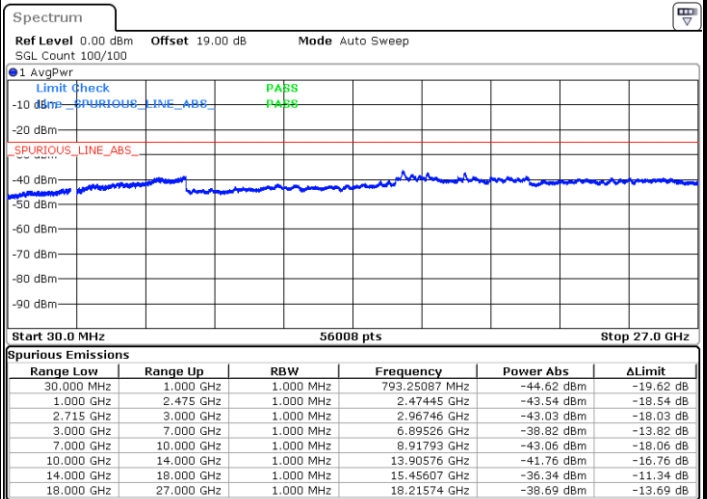
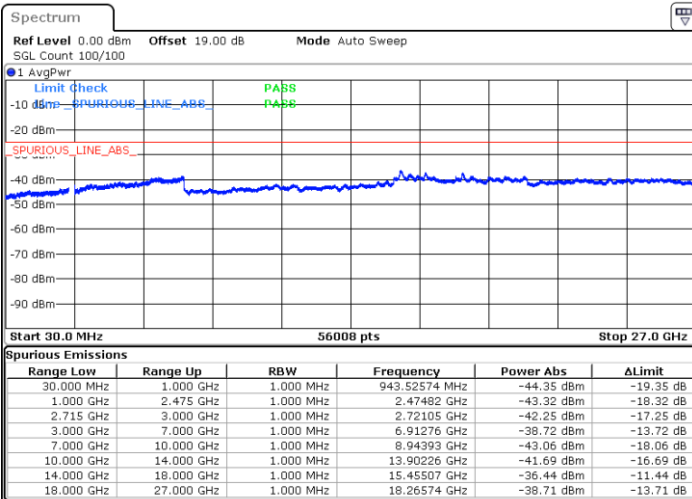


Date: 11.JUL.2022 11:33:14

Date: 11.JUL.2022 11:34:17

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 11.JUL.2022 11:35:20

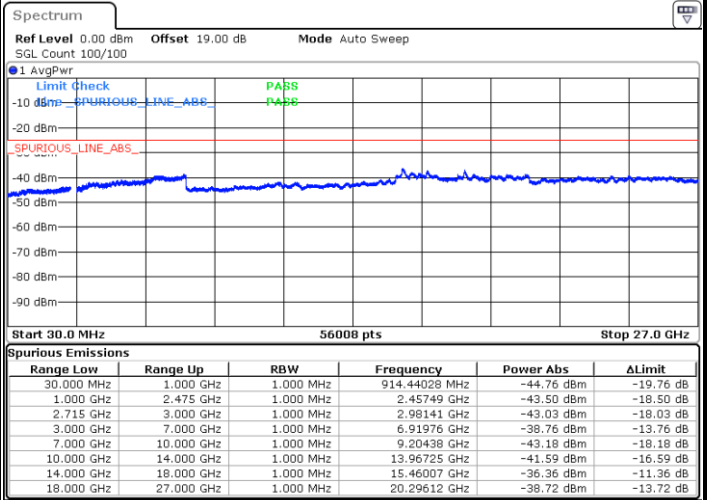
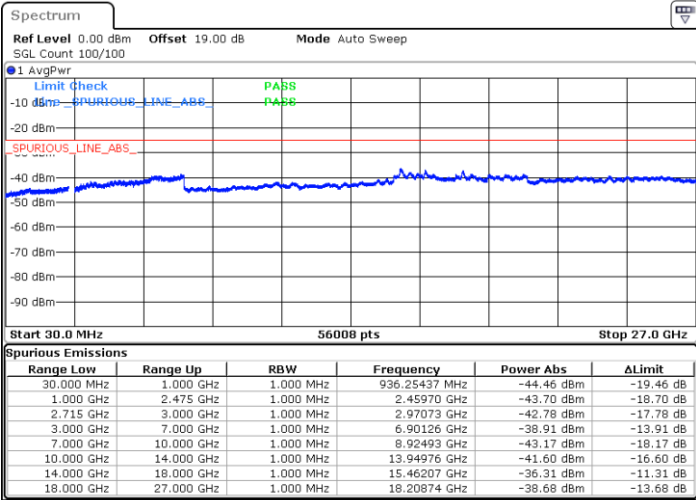
Date: 11.JUL.2022 11:36:23



LTE Band 41 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

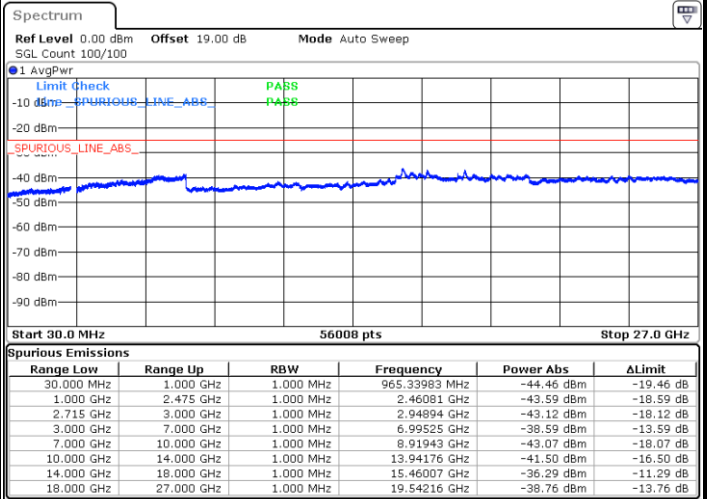
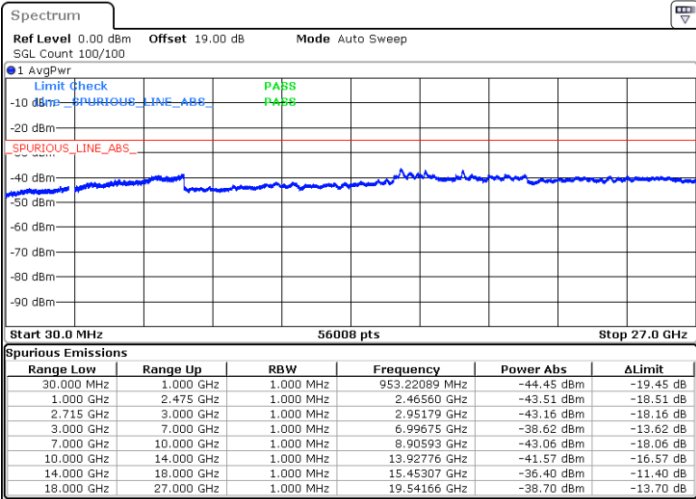


Date: 11.JUL.2022 11:37:26

Date: 11.JUL.2022 11:38:29

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 11.JUL.2022 11:39:32

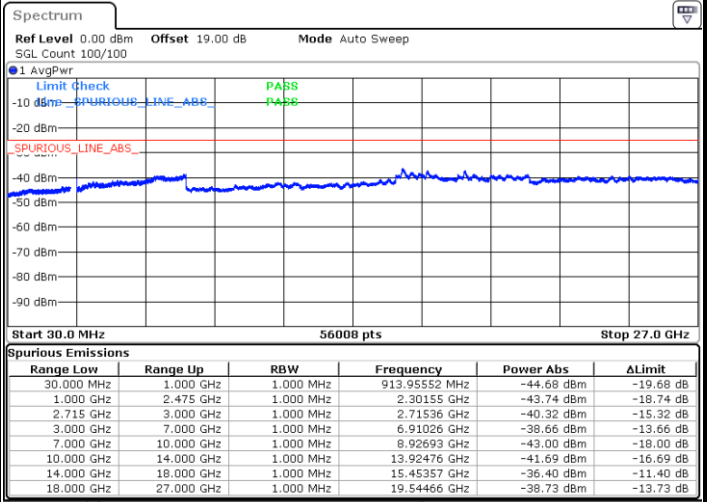
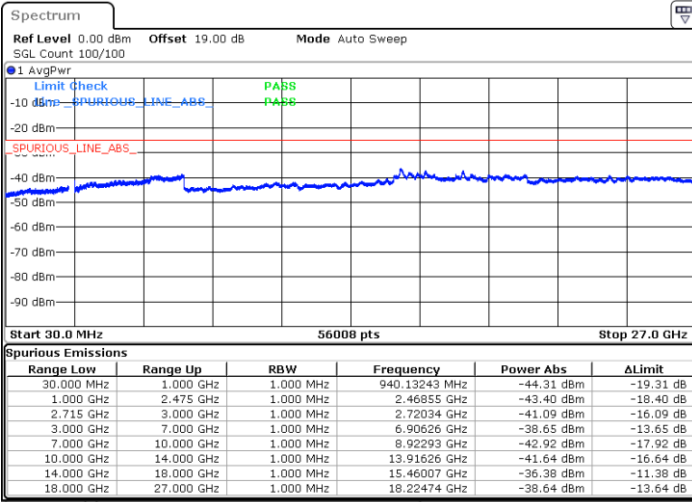
Date: 11.JUL.2022 11:40:34



LTE Band 41 / 15MHz

Highest Channel / QPSK

Highest Channel / 16QAM



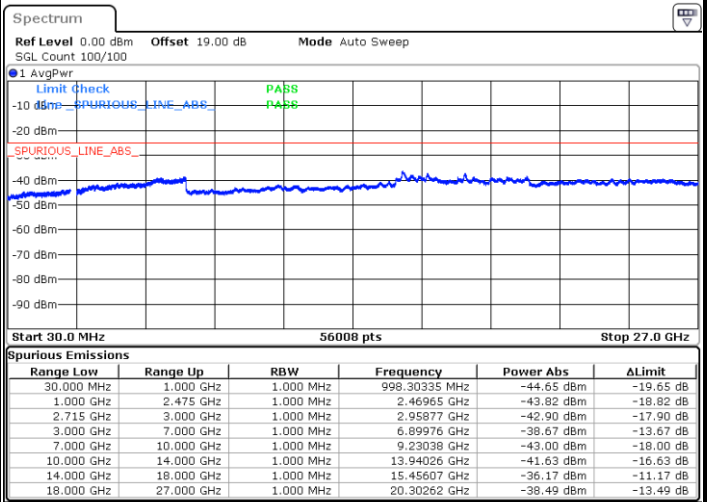
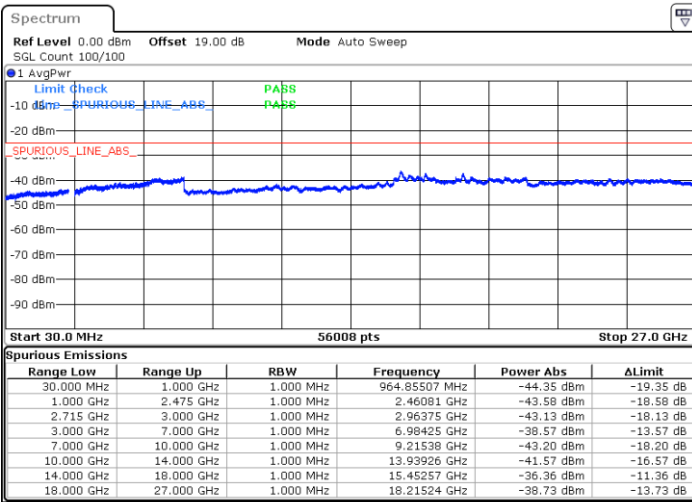
Date: 11.JUL.2022 11:41:37

Date: 11.JUL.2022 11:42:40

LTE Band 41 / 20MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM



Date: 11.JUL.2022 11:50:00

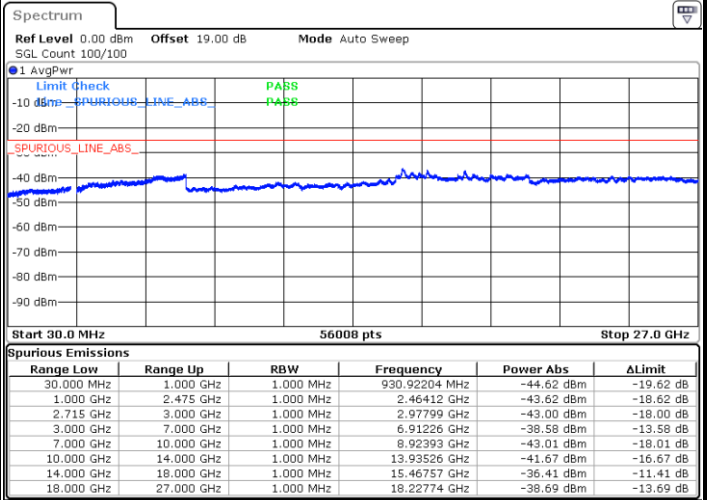
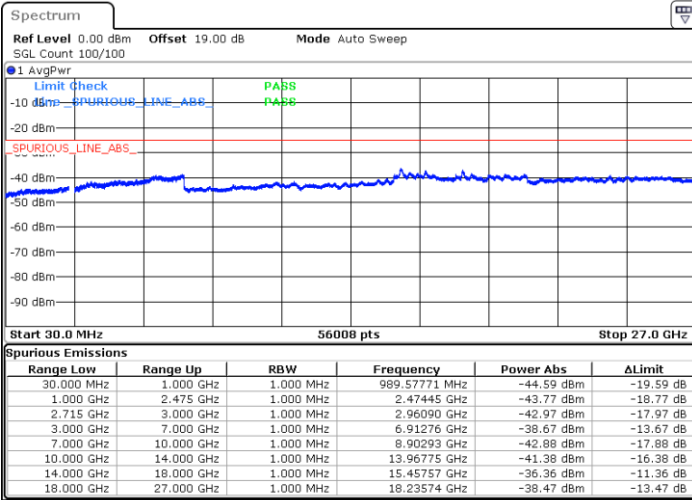
Date: 11.JUL.2022 11:51:03



LTE Band 41 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

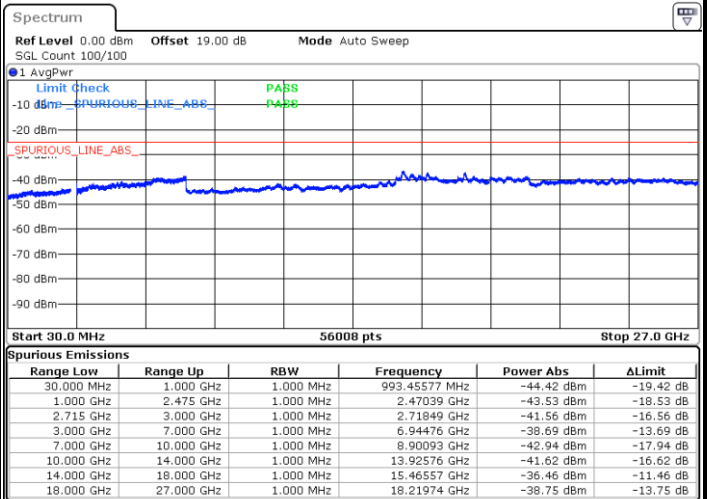
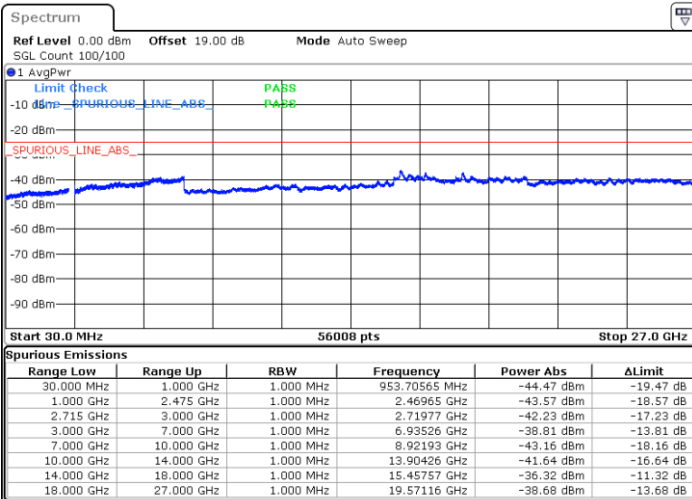


Date: 11.JUL.2022 11:52:06

Date: 11.JUL.2022 11:53:09

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 11.JUL.2022 11:54:11

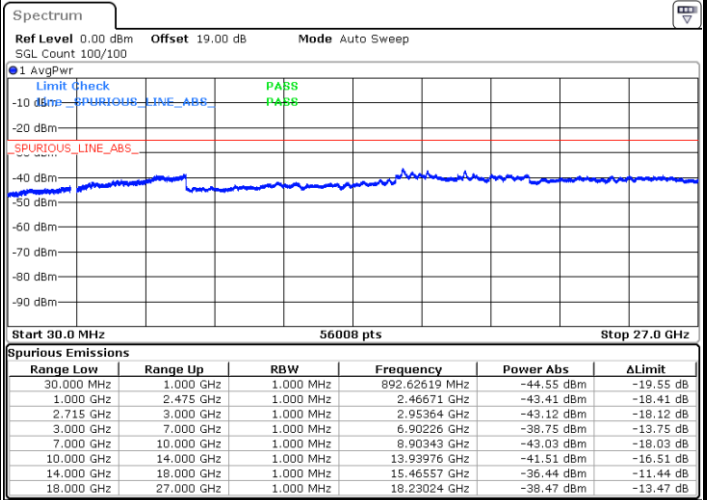
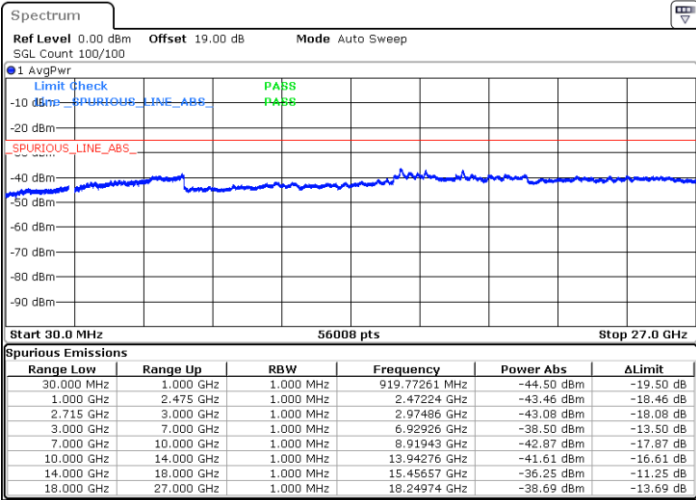
Date: 11.JUL.2022 11:55:14



LTE Band 41 / 5MHz

Lowest Channel / 64QAM

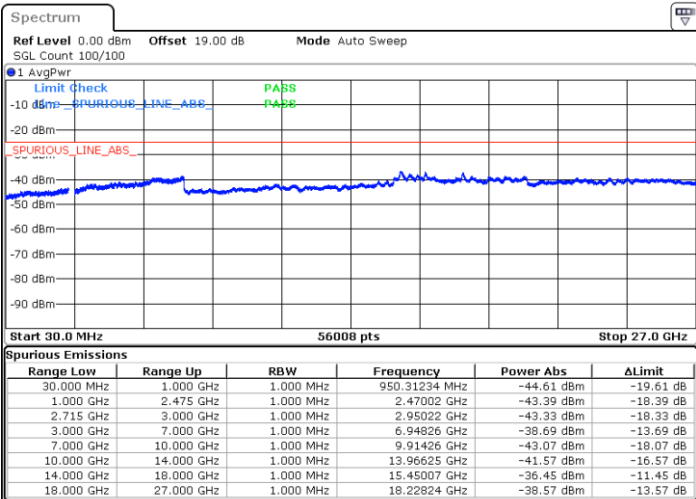
Middle Channel / 64QAM



Date: 11.JUL.2022 11:18:34

Date: 11.JUL.2022 11:19:36

Highest Channel / 64QAM



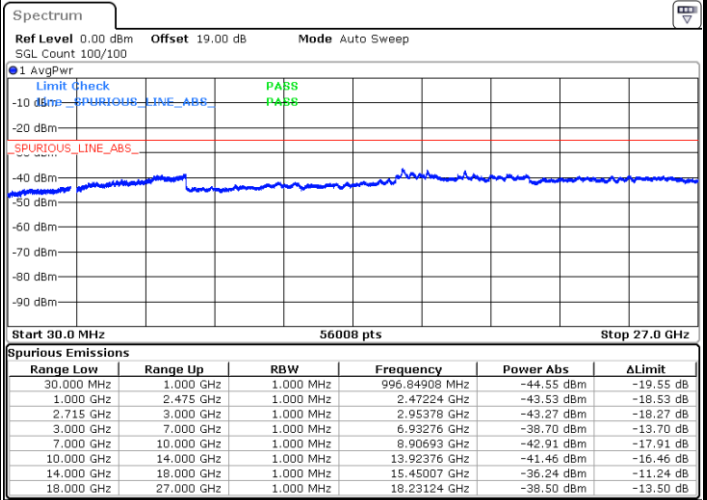
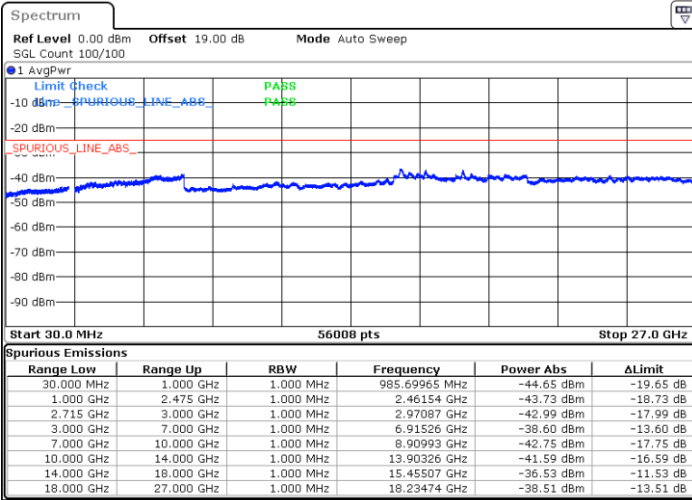
Date: 11.JUL.2022 11:20:40



LTE Band 41 / 10MHz

Lowest Channel / 64QAM

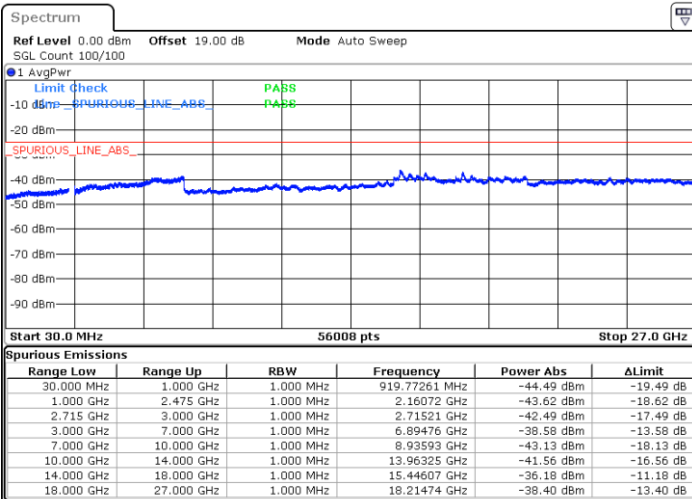
Middle Channel / 64QAM



Date: 11.JUL.2022 11:28:00

Date: 11.JUL.2022 11:29:03

Highest Channel / 64QAM



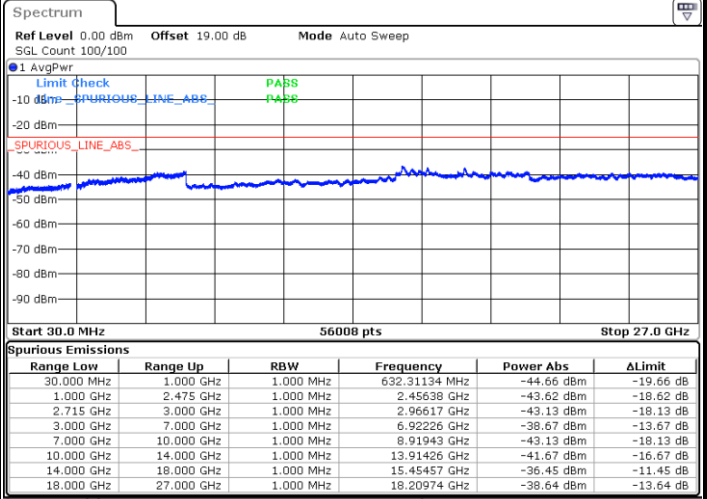
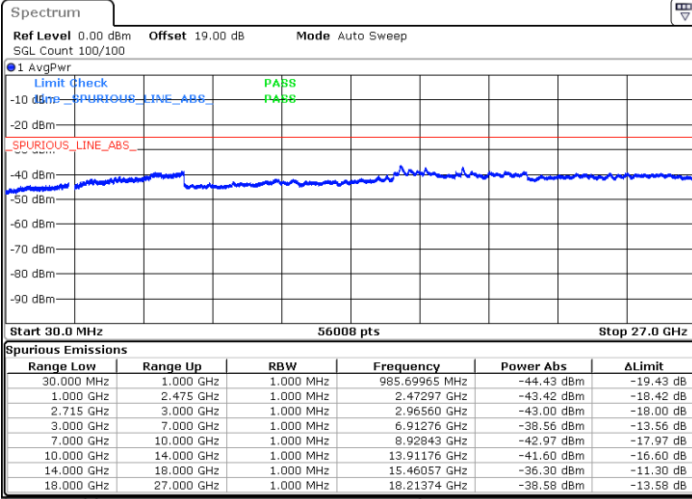
Date: 11.JUL.2022 11:30:06



LTE Band 41 / 15MHz

Lowest Channel / 64QAM

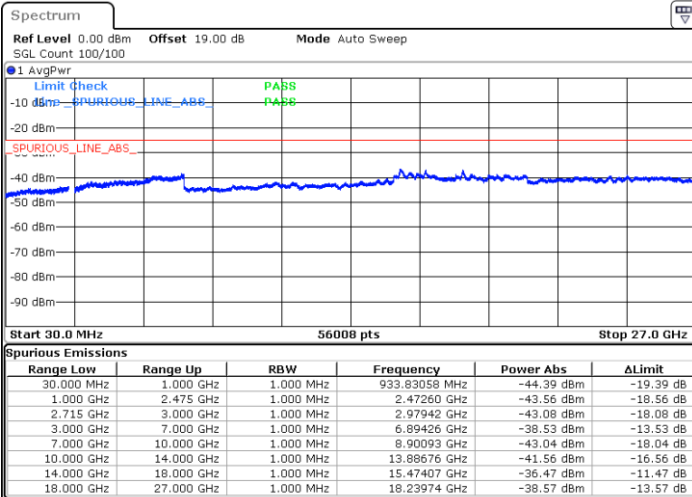
Middle Channel / 64QAM



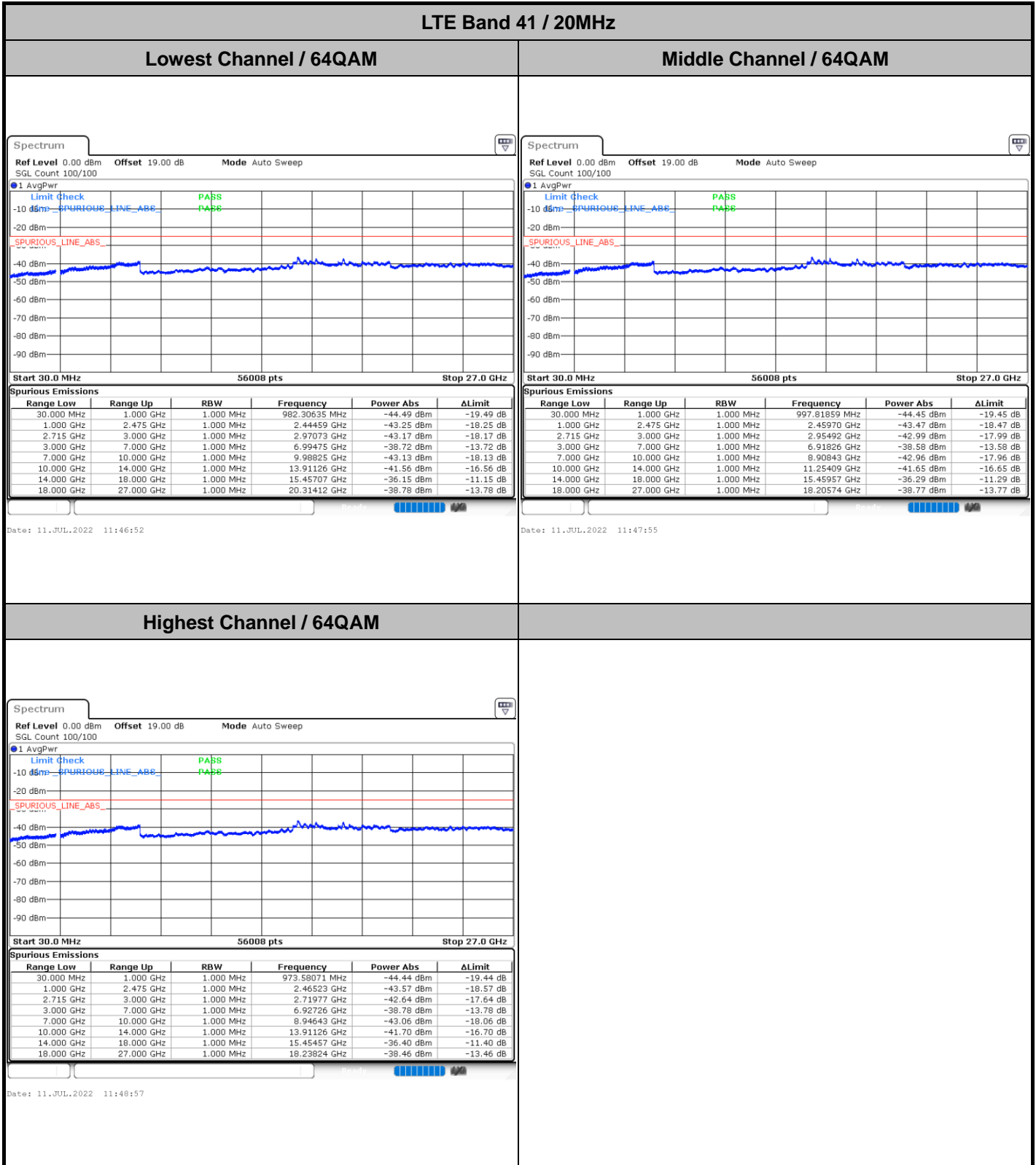
Date: 11.JUL.2022 11:43:43

Date: 11.JUL.2022 11:44:46

Highest Channel / 64QAM



Date: 11.JUL.2022 11:45:48





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	0.0011	PASS
40	Normal Voltage	0.0006	
30	Normal Voltage	0.0001	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0026	
0	Normal Voltage	0.0033	
-10	Normal Voltage	0.0035	
-20	Normal Voltage	0.0028	
-30	Normal Voltage	0.0030	
20	Maximum Voltage	0.0003	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.45 V.
2. Note: 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
Lowest CH	30.03	25.38	30.63	34.97
Middle CH	30.03	25.33	30.75	34.97
Highest CH	30.15	25.38	30.93	35.04
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.09	35.04	39.88	-
Middle CH	30.09	34.97	40.04	-
Highest CH	29.97	35.04	39.96	-

Mode	LTE Band 7C : 26dB BW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.97	25.43	30.69	35.18
Middle CH	29.97	25.28	30.87	34.90
Highest CH	29.97	25.28	30.81	35.04
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	29.91	35.04	39.88	-
Middle CH	29.97	35.04	39.88	-
Highest CH	30.27	34.97	40.12	-

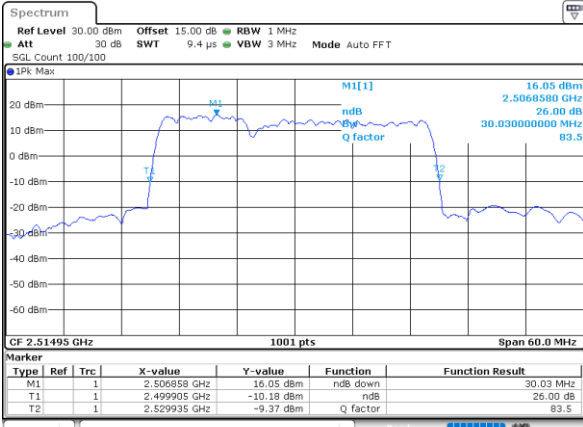
Mode	LTE Band 7C : 26dB BW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	29.97	25.33	30.69	35.04
Middle CH	29.91	25.23	30.75	34.97
Highest CH	30.03	25.38	30.57	34.97
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	30.09	34.90	39.88	-
Middle CH	30.03	34.97	39.88	-
Highest CH	30.27	34.90	39.88	-



LTE Band 7C

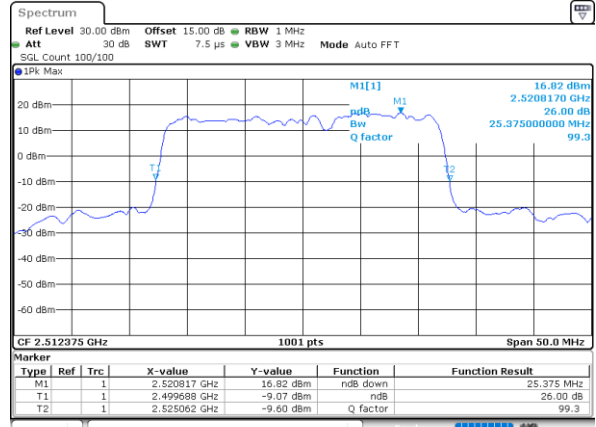
QPSK

Lowest Channel / 10MHz+20MHz



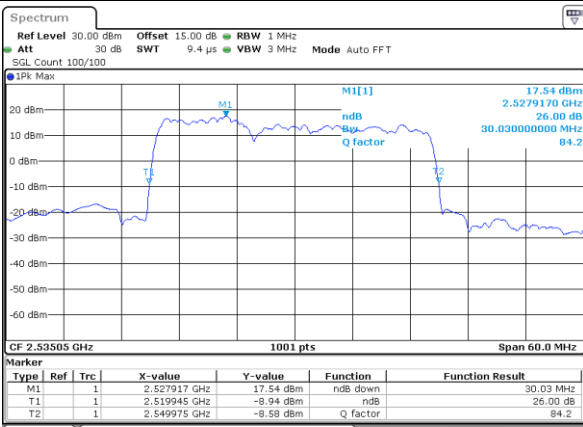
Date: 14.JUL.2022 09:50:33

Lowest Channel / 15MHz+10MHz



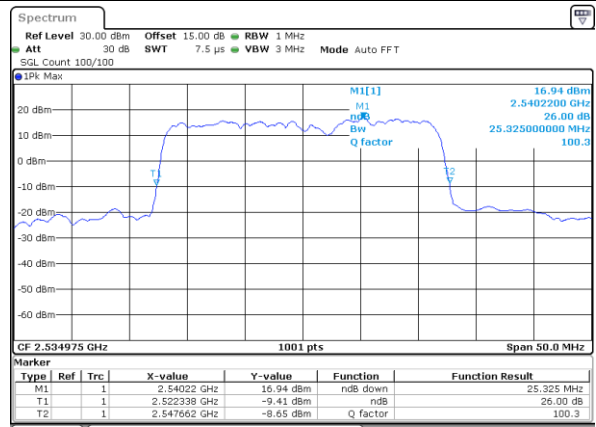
Date: 14.JUL.2022 02:02:58

Middle Channel / 10MHz+20MHz



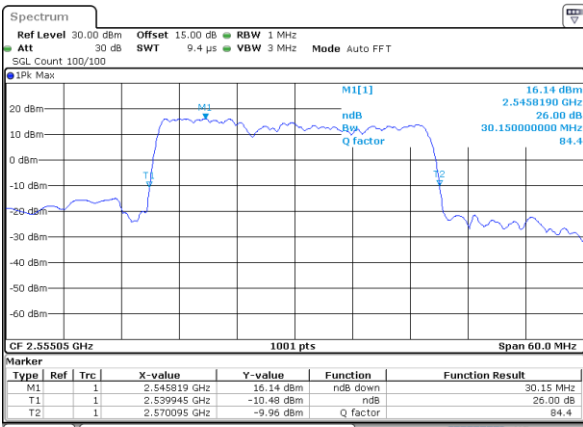
Date: 14.JUL.2022 10:12:16

Middle Channel / 15MHz+10MHz



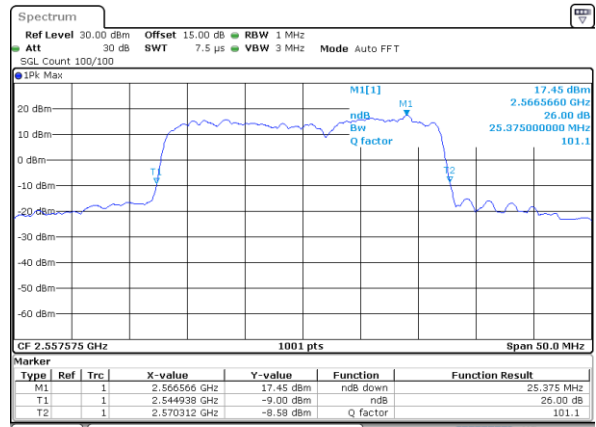
Date: 14.JUL.2022 02:27:52

Highest Channel / 10MHz+20MHz



Date: 14.JUL.2022 10:25:28

Highest Channel / 15MHz+10MHz



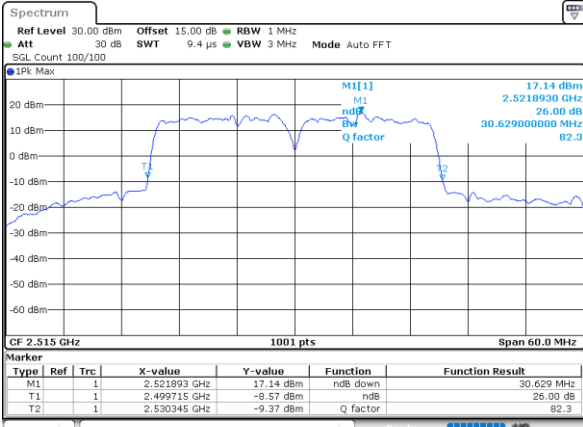
Date: 14.JUL.2022 02:41:10



LTE Band 7C

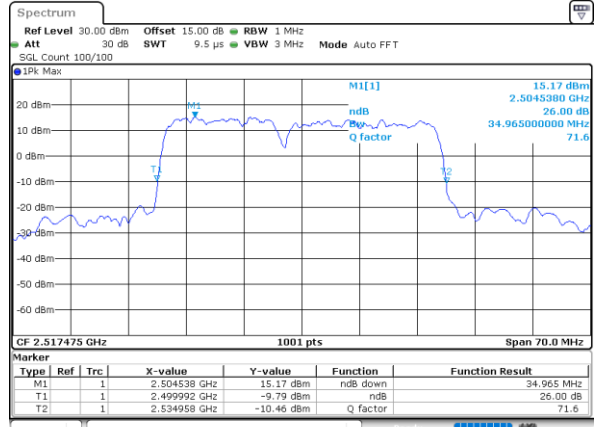
QPSK

Lowest Channel / 15MHz+15MHz



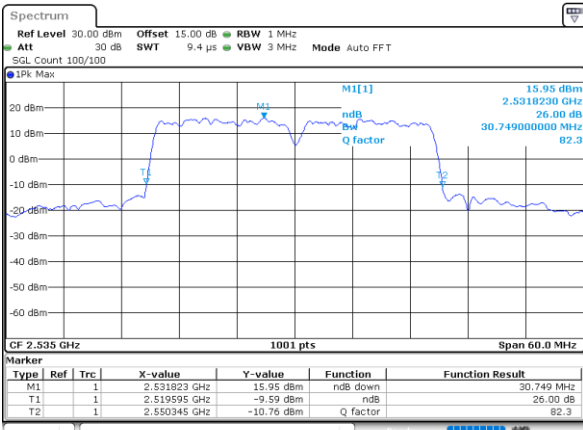
Date: 14.JUL.2022 00:16:56

Lowest Channel / 15MHz+20MHz



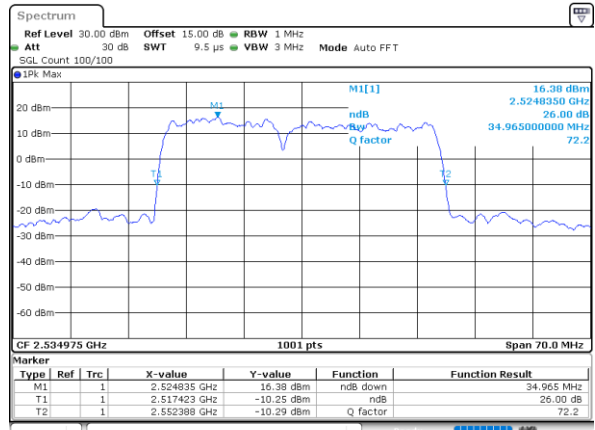
Date: 13.JUL.2022 22:33:55

Middle Channel / 15MHz+15MHz



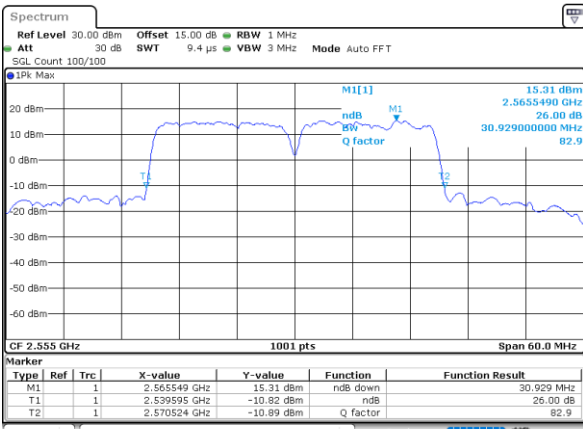
Date: 14.JUL.2022 00:41:48

Middle Channel / 15MHz+20MHz



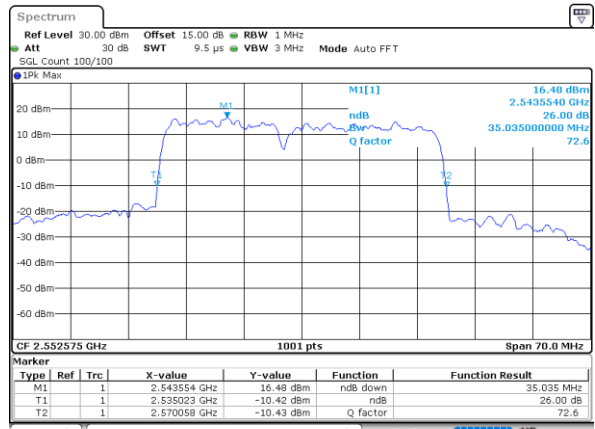
Date: 13.JUL.2022 22:58:45

Highest Channel / 15MHz+15MHz



Date: 14.JUL.2022 00:55:06

Highest Channel / 15MHz+20MHz



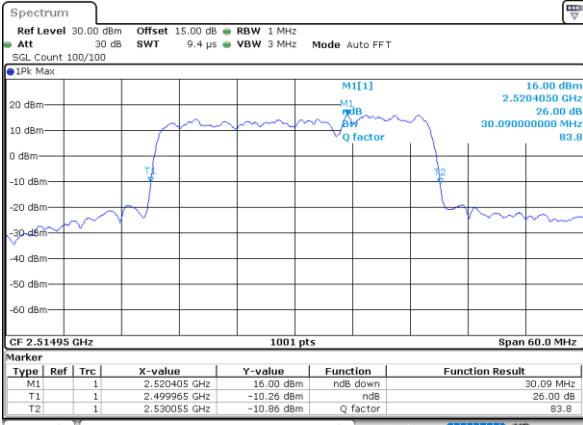
Date: 13.JUL.2022 23:12:00



LTE Band 7C

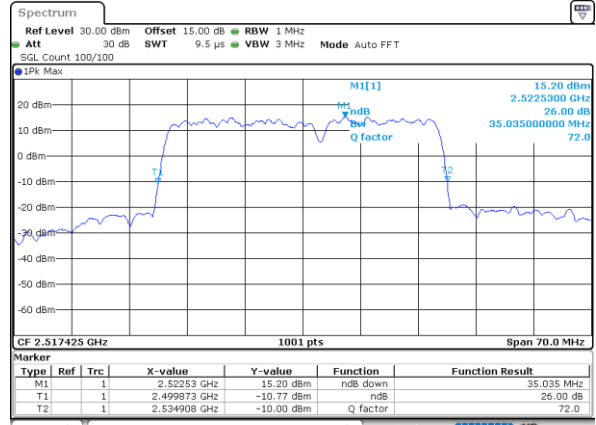
QPSK

Lowest Channel / 20MHz+10MHz



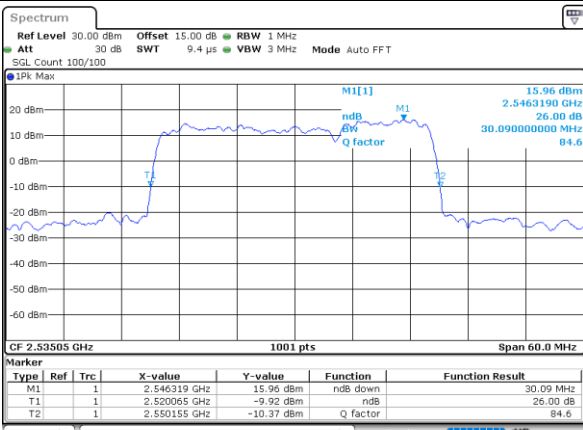
Date: 14.JUL.2022 08:49:50

Lowest Channel / 20MHz+15MHz



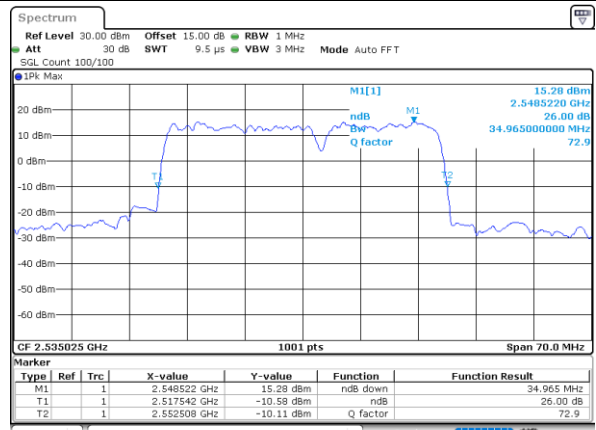
Date: 13.JUL.2022 20:14:25

Middle Channel / 20MHz+10MHz



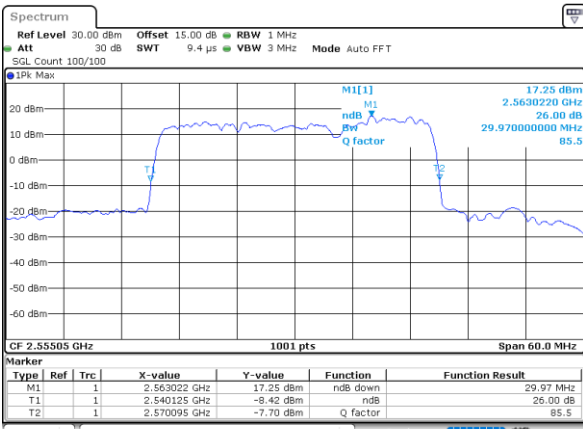
Date: 14.JUL.2022 09:14:33

Middle Channel / 20MHz+15MHz



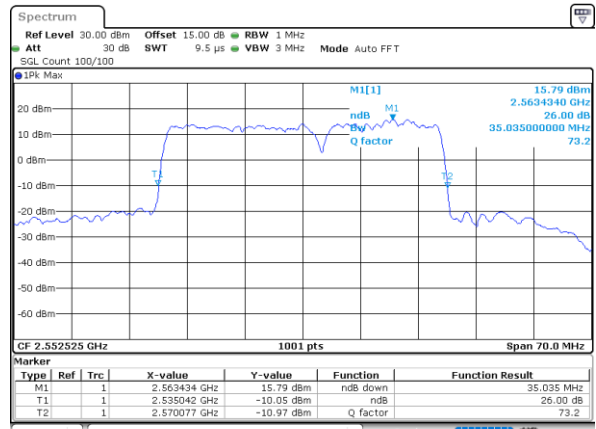
Date: 13.JUL.2022 20:39:08

Highest Channel / 20MHz+10MHz



Date: 13.JUL.2022 21:58:08

Highest Channel / 20MHz+15MHz



Date: 13.JUL.2022 20:52:19

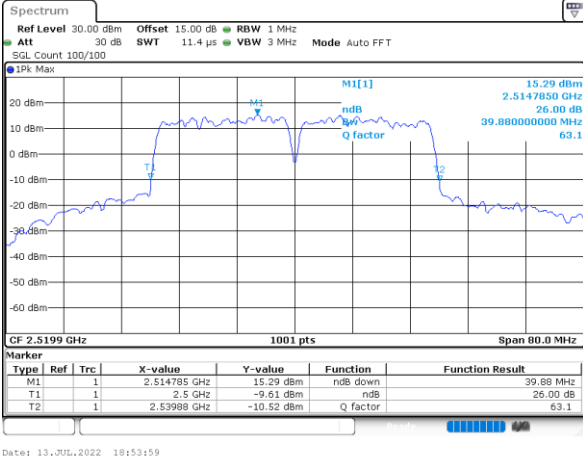


LTE Band 7C

QPSK

Lowest Channel / 20MHz+20MHz

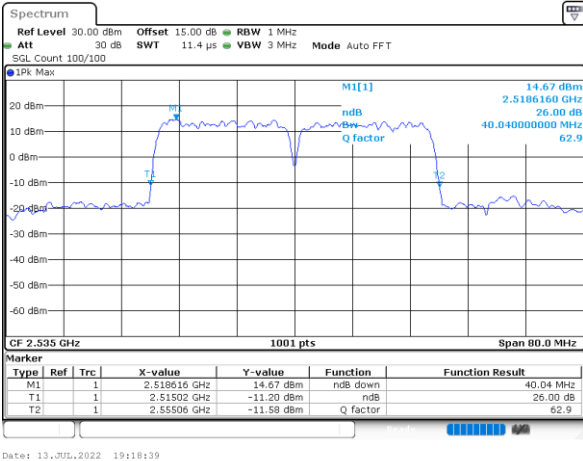
N/A



Date: 13..JUL..2022 18:53:59

Middle Channel / 20MHz+20MHz

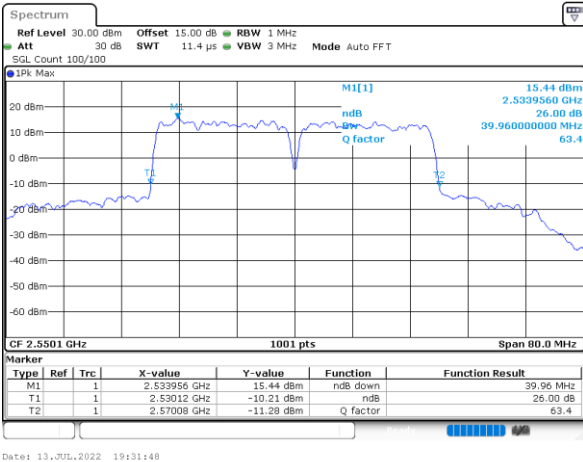
N/A



Date: 13..JUL..2022 19:18:39

Highest Channel / 20MHz+20MHz

N/A



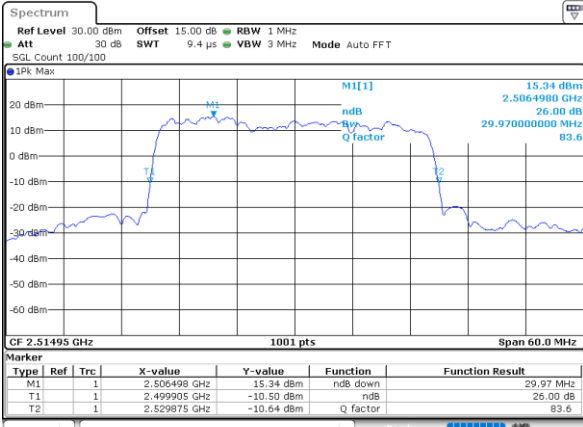
Date: 13..JUL..2022 19:31:49



LTE Band 7C

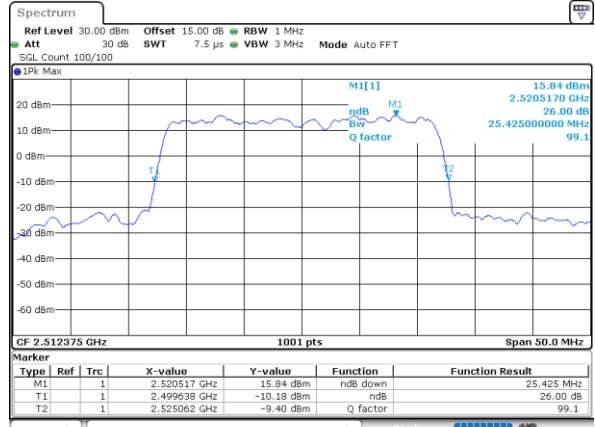
16QAM

Lowest Channel / 10MHz+20MHz



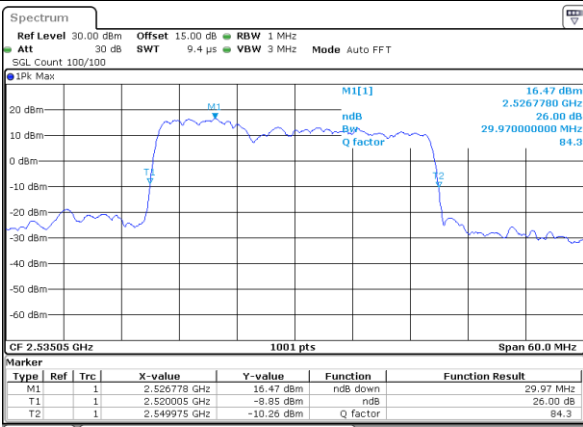
Date: 14.JUL.2022 09:50:03

Lowest Channel / 15MHz+10MHz



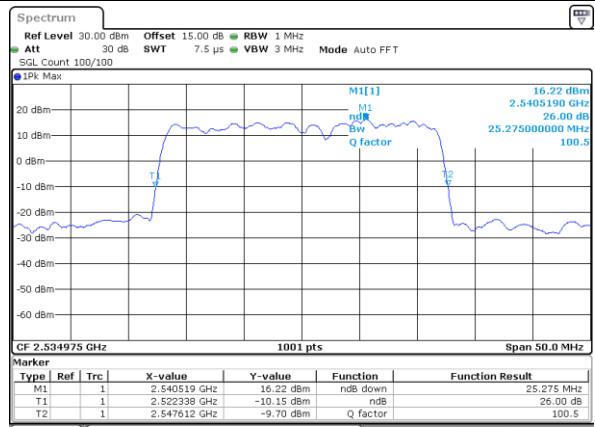
Date: 14.JUL.2022 02:02:28

Middle Channel / 10MHz+20MHz



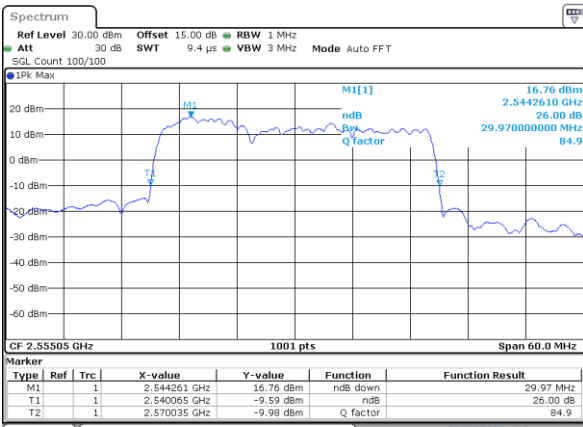
Date: 14.JUL.2022 10:11:46

Middle Channel / 15MHz+10MHz



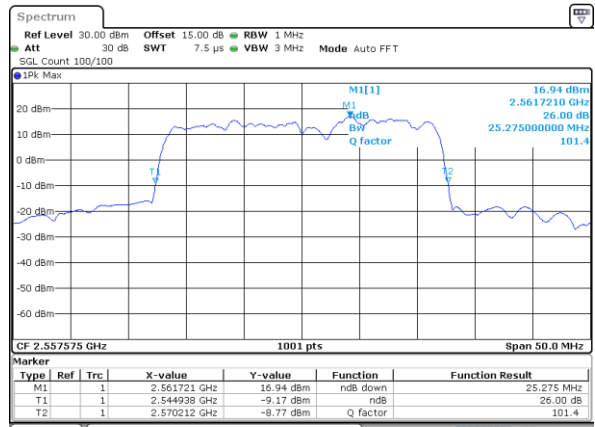
Date: 14.JUL.2022 02:27:22

Highest Channel / 10MHz+20MHz



Date: 14.JUL.2022 10:25:58

Highest Channel / 15MHz+10MHz



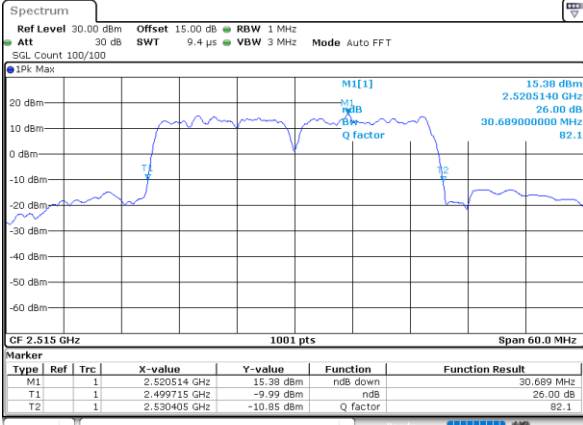
Date: 14.JUL.2022 02:41:40



LTE Band 7C

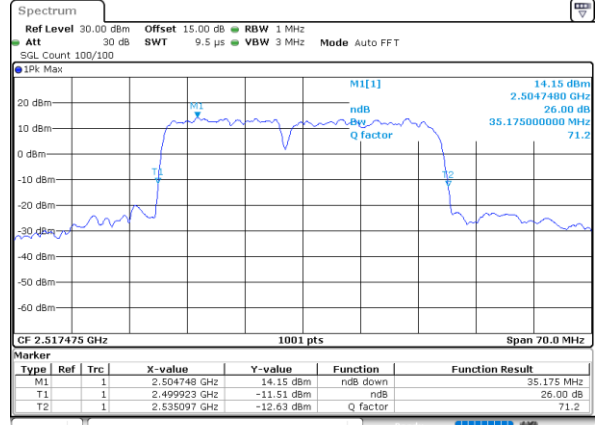
16QAM

Lowest Channel / 15MHz+15MHz



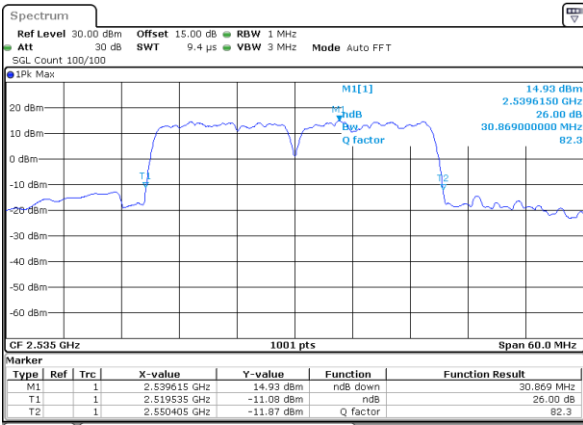
Date: 14.JUL.2022 00:16:26

Lowest Channel / 15MHz+20MHz



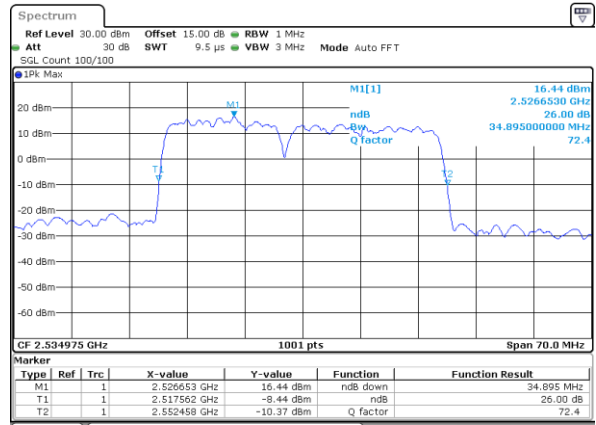
Date: 13.JUL.2022 22:33:25

Middle Channel / 15MHz+15MHz



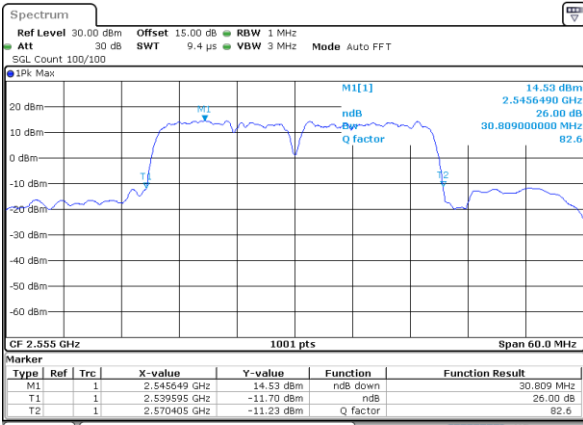
Date: 14.JUL.2022 00:41:18

Middle Channel / 15MHz+20MHz



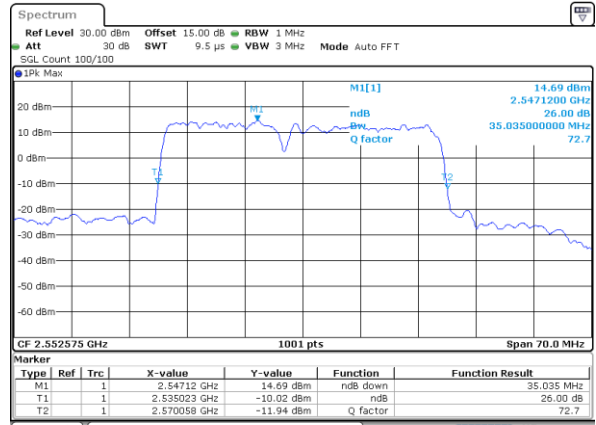
Date: 13.JUL.2022 22:58:15

Highest Channel / 15MHz+15MHz



Date: 14.JUL.2022 00:55:36

Highest Channel / 15MHz+20MHz



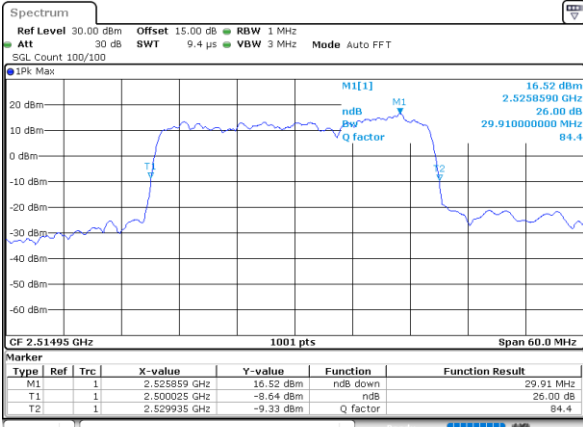
Date: 13.JUL.2022 23:12:30



LTE Band 7C

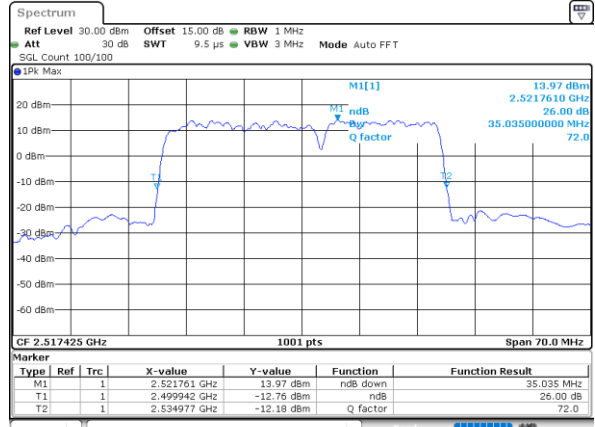
16QAM

Lowest Channel / 20MHz+10MHz



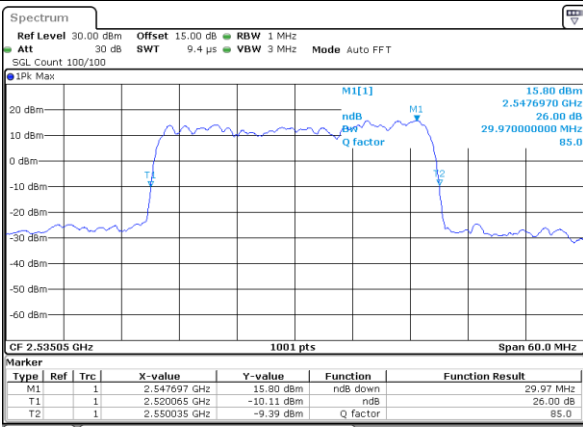
Date: 14.JUL.2022 08:49:20

Lowest Channel / 20MHz+15MHz



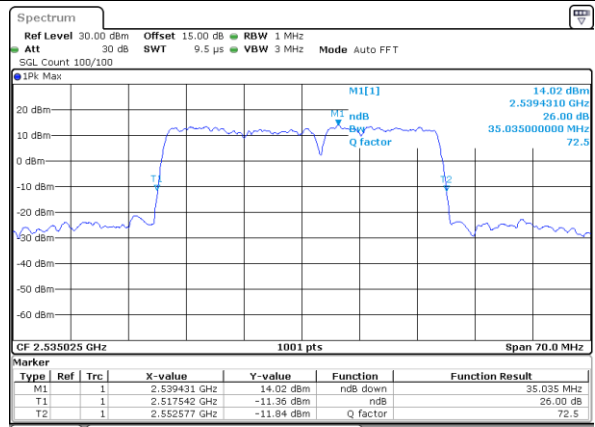
Date: 13.JUL.2022 20:13:55

Middle Channel / 20MHz+10MHz



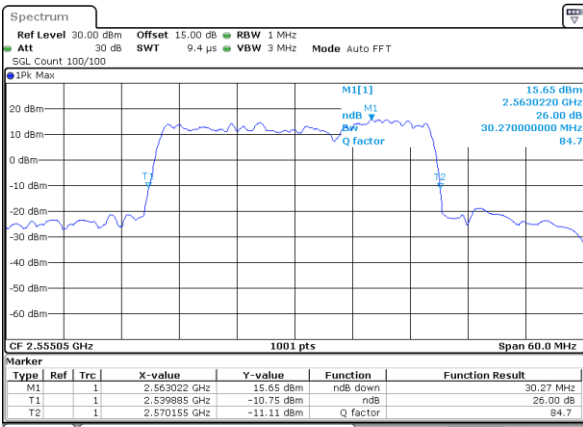
Date: 14.JUL.2022 09:14:04

Middle Channel / 20MHz+15MHz



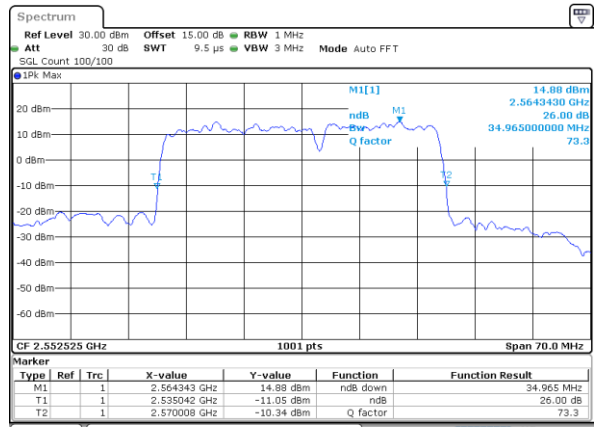
Date: 13.JUL.2022 20:38:38

Highest Channel / 20MHz+10MHz



Date: 13.JUL.2022 21:58:38

Highest Channel / 20MHz+15MHz



Date: 13.JUL.2022 20:52:49

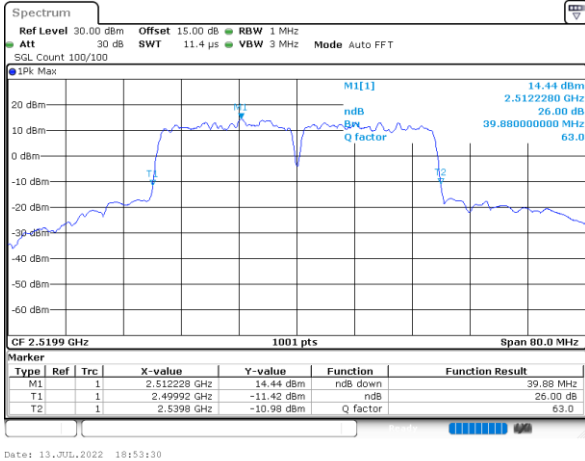


LTE Band 7C

16QAM

Lowest Channel / 20MHz+20MHz

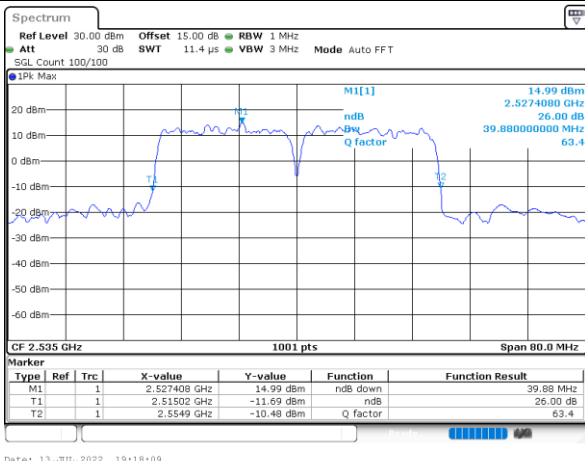
N/A



Date: 13_JUL_2022 18:53:30

Middle Channel / 20MHz+20MHz

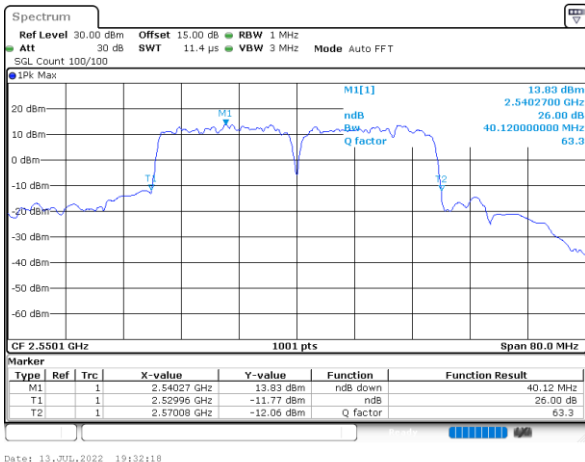
N/A



Date: 13_JUL_2022 19:18:09

Highest Channel / 20MHz+20MHz

N/A



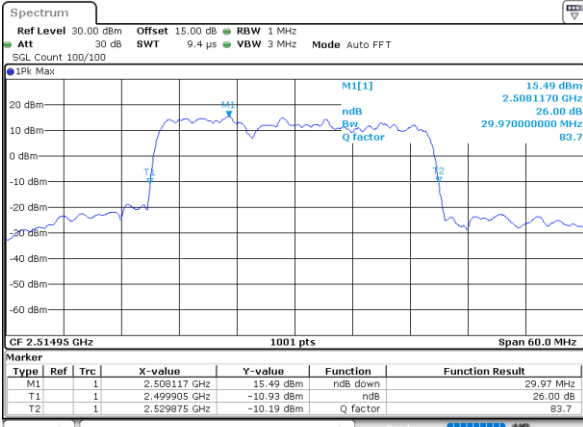
Date: 13_JUL_2022 19:32:18



LTE Band 7C

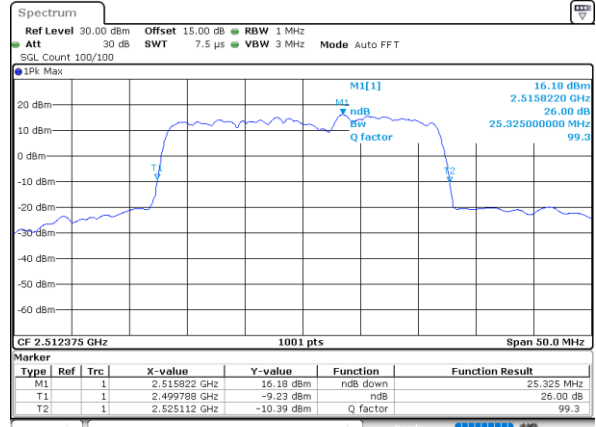
64QAM

Lowest Channel / 10MHz+20MHz



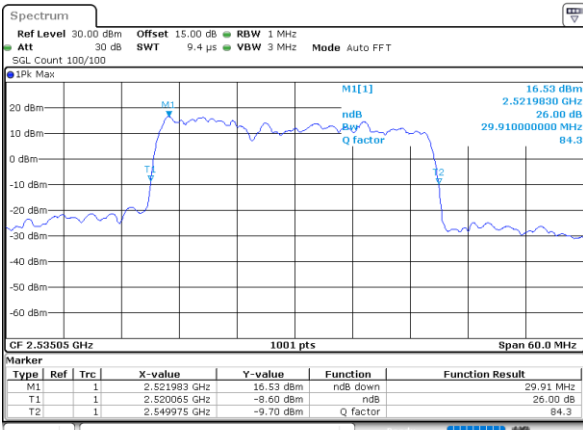
Date: 14.JUL.2022 09:49:33

Lowest Channel / 15MHz+10MHz



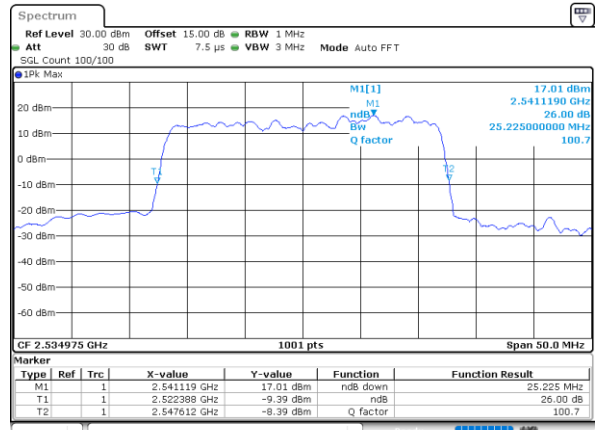
Date: 14.JUL.2022 02:01:58

Middle Channel / 10MHz+20MHz



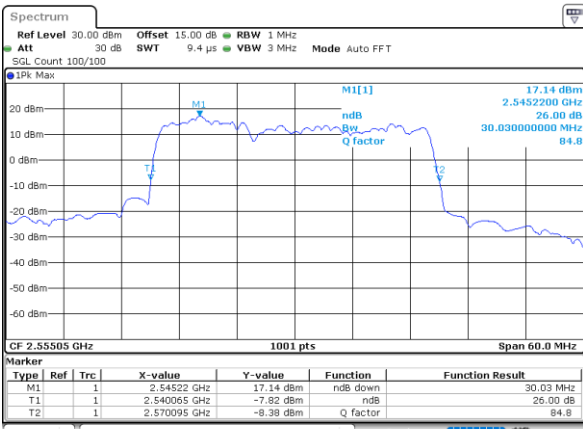
Date: 14.JUL.2022 10:11:16

Middle Channel / 15MHz+10MHz



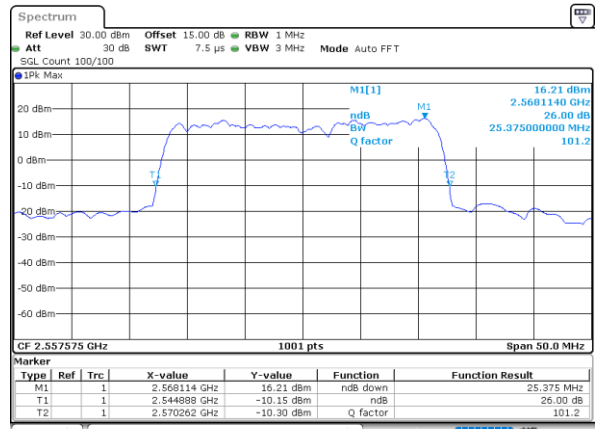
Date: 14.JUL.2022 02:26:52

Highest Channel / 10MHz+20MHz



Date: 14.JUL.2022 10:26:27

Highest Channel / 15MHz+10MHz



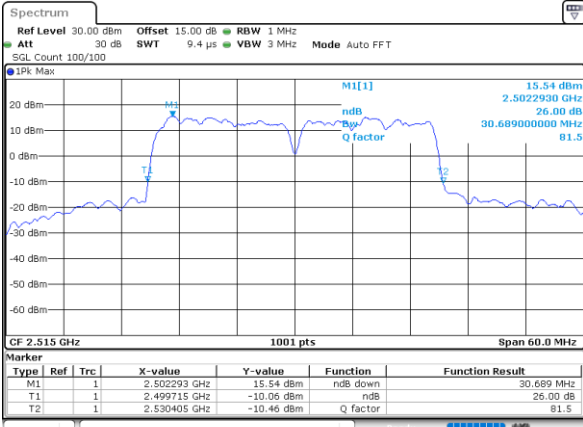
Date: 14.JUL.2022 02:42:10



LTE Band 7C

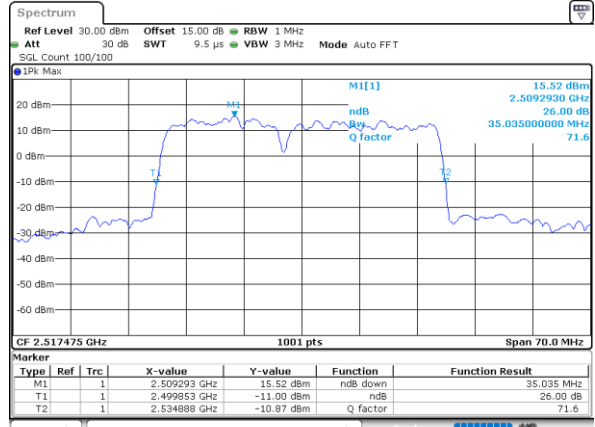
64QAM

Lowest Channel / 15MHz+15MHz



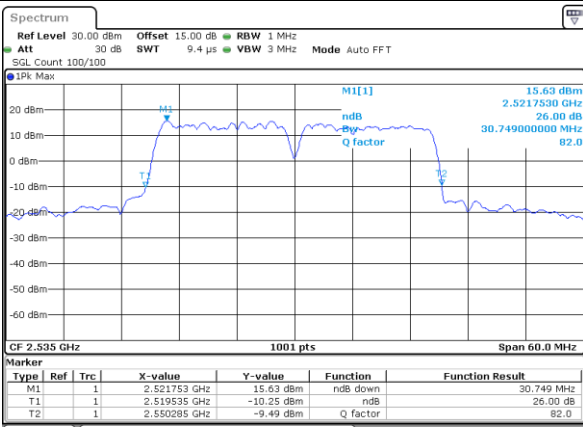
Date: 14.JUL.2022 00:15:56

Lowest Channel / 15MHz+20MHz



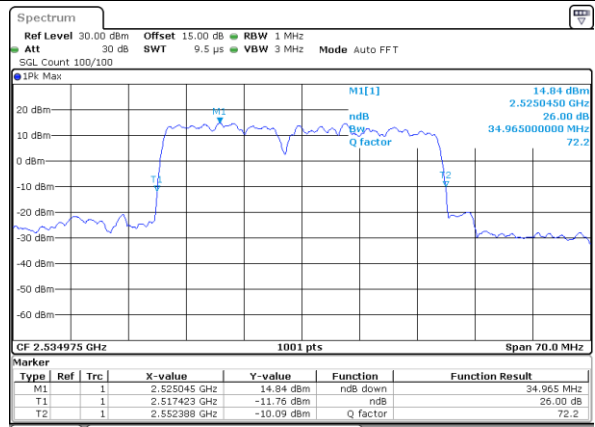
Date: 13.JUL.2022 22:32:56

Middle Channel / 15MHz+15MHz



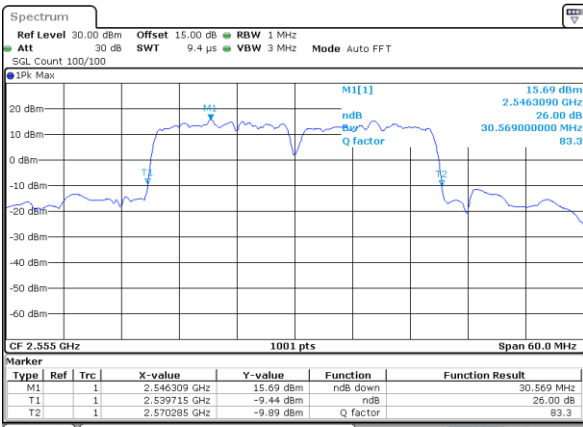
Date: 14.JUL.2022 00:40:49

Middle Channel / 15MHz+20MHz



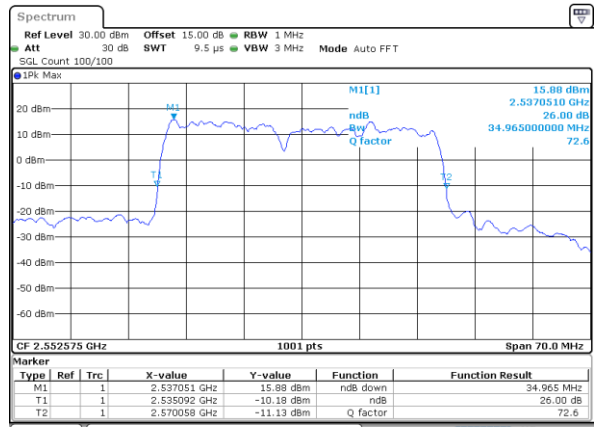
Date: 13.JUL.2022 22:57:45

Highest Channel / 15MHz+15MHz



Date: 14.JUL.2022 00:56:06

Highest Channel / 15MHz+20MHz



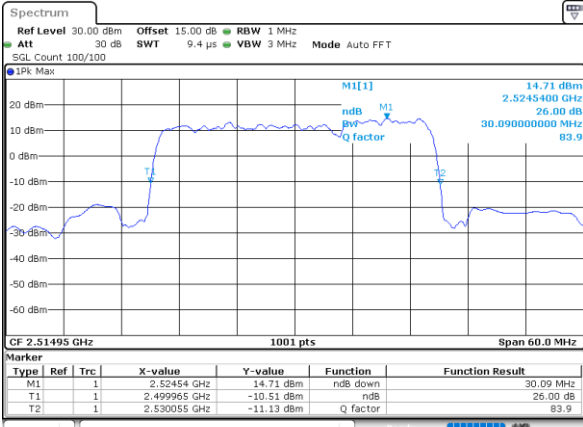
Date: 13.JUL.2022 23:13:00



LTE Band 7C

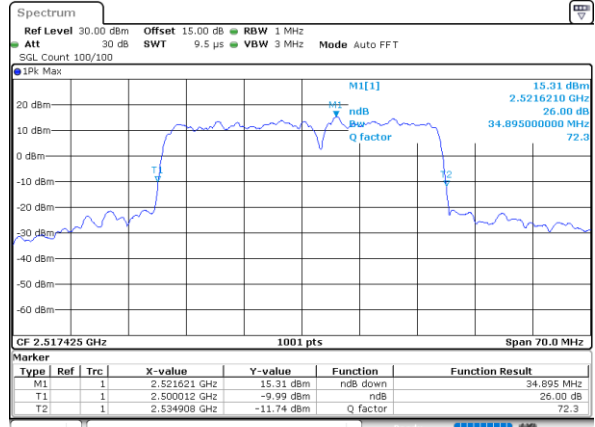
64QAM

Lowest Channel / 20MHz+10MHz



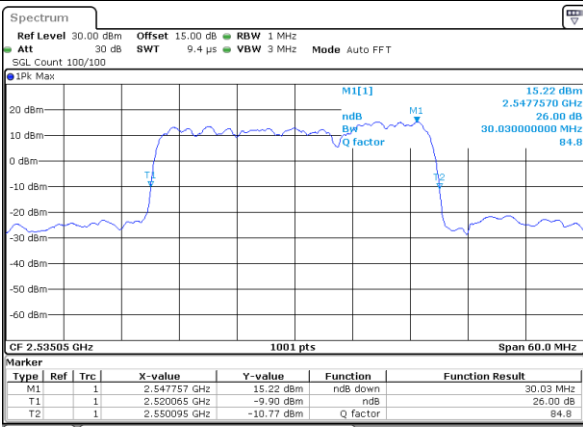
Date: 14.JUL.2022 08:48:51

Lowest Channel / 20MHz+15MHz



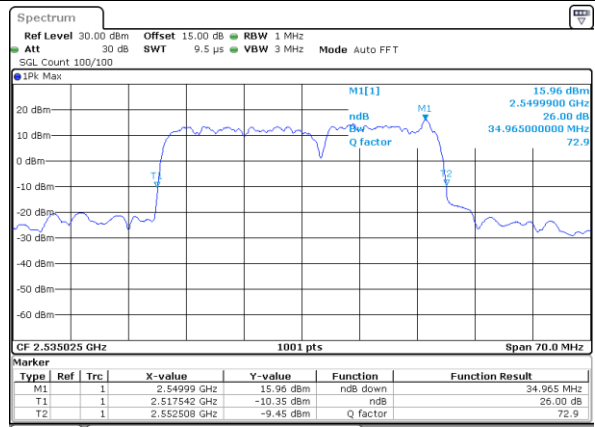
Date: 13.JUL.2022 20:13:26

Middle Channel / 20MHz+10MHz



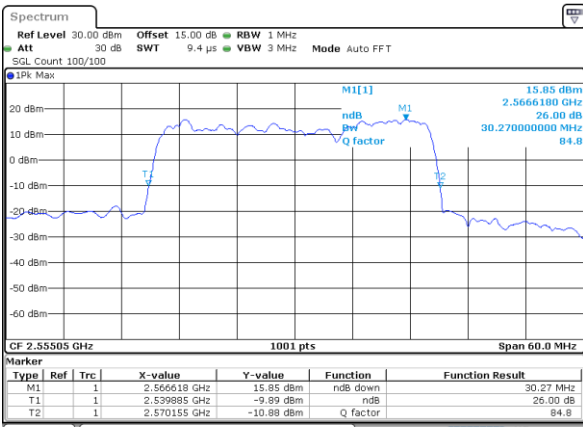
Date: 14.JUL.2022 09:13:34

Middle Channel / 20MHz+15MHz



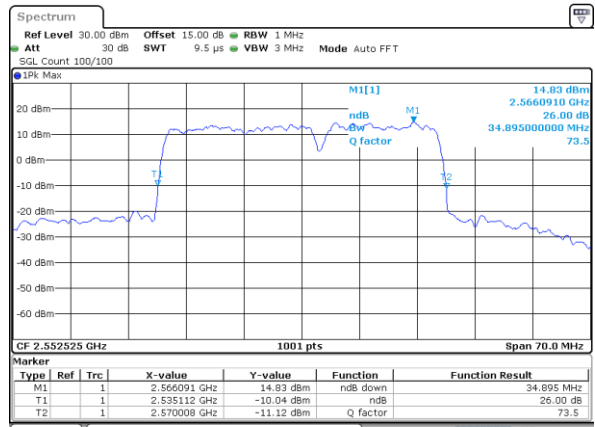
Date: 13.JUL.2022 20:38:08

Highest Channel / 20MHz+10MHz



Date: 13.JUL.2022 21:59:08

Highest Channel / 20MHz+15MHz



Date: 13.JUL.2022 20:53:19

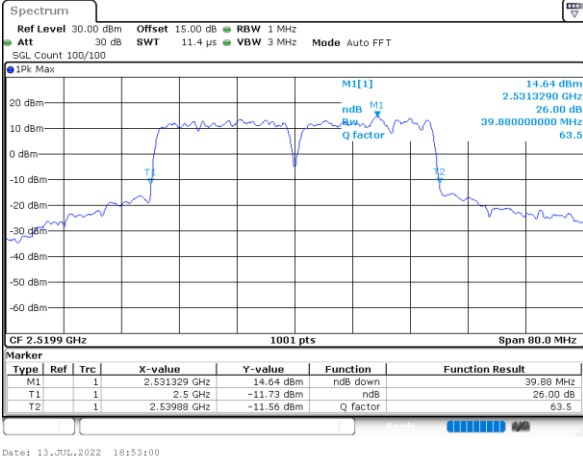


LTE Band 7C

64QAM

Lowest Channel / 20MHz+20MHz

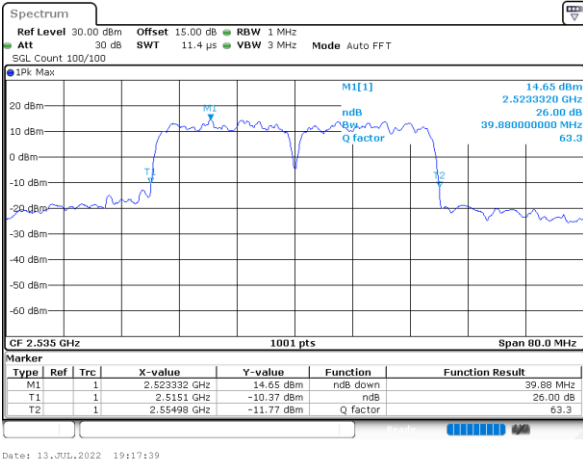
N/A



Date: 13_JUL_2022 18:53:00

Middle Channel / 20MHz+20MHz

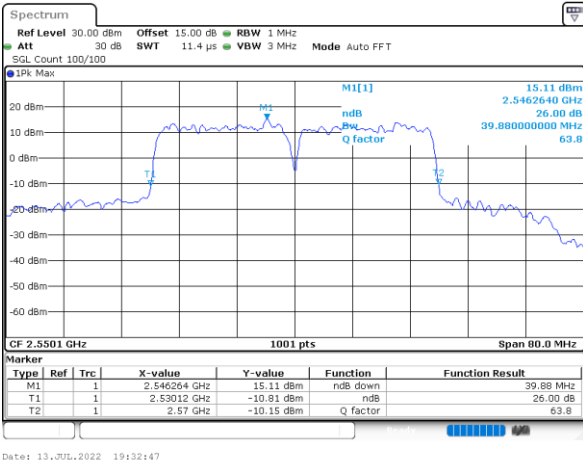
N/A



Date: 13_JUL_2022 19:17:39

Highest Channel / 20MHz+20MHz

N/A



Date: 13_JUL_2022 19:32:47



Occupied Bandwidth

Mode	LTE Band 7C : 99%OBW(MHz)			
QPSK				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.81	23.48	28.71	32.80
Middle CH	28.05	23.48	28.71	32.80
Highest CH	28.05	23.53	28.59	32.80
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.93	32.73	37.56	-
Middle CH	28.11	32.80	37.96	-
Highest CH	27.93	32.80	37.72	-

Mode	LTE Band 7C : 99%OBW(MHz)			
16QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.93	23.53	28.53	32.80
Middle CH	27.93	23.43	28.71	32.80
Highest CH	28.17	23.43	28.59	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.93	32.94	37.64	-
Middle CH	28.05	32.87	37.88	-
Highest CH	27.99	32.87	37.80	-

Mode	LTE Band 7C : 99%OBW(MHz)			
64QAM				
BW	10MHz+20MHz	15MHz+10MHz	15MHz+15MHz	15MHz+20MHz
Lowest CH	27.99	23.33	28.59	32.87
Middle CH	28.17	23.48	28.65	32.94
Highest CH	28.17	23.43	28.89	32.87
BW	20MHz+10MHz	20MHz+15MHz	20MHz+20MHz	N/A
Lowest CH	27.93	32.94	37.64	-
Middle CH	28.11	33.08	37.64	-
Highest CH	28.05	32.87	37.80	-