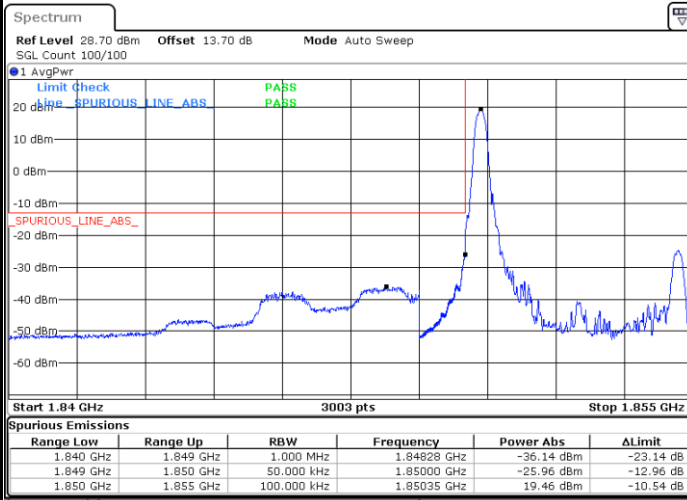




LTE Band 2 / 5MHz / QPSK

Lowest Band Edge / 1 RB



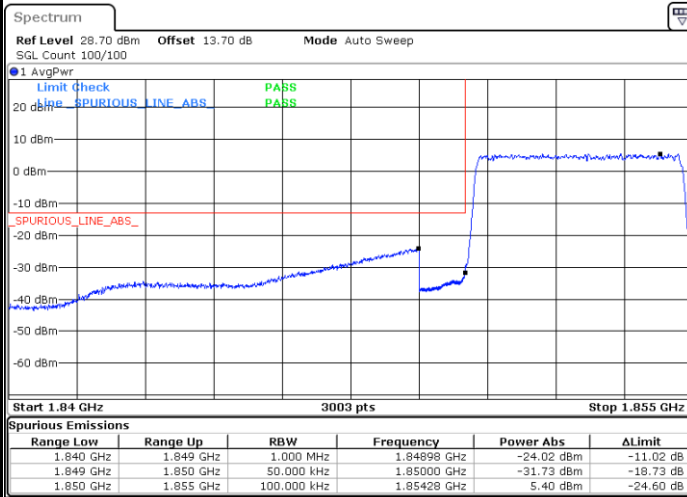
Date: 28 JUN 2022 16:17:44

Highest Band Edge / 1 RB



Date: 28 JUN 2022 16:20:35

Lowest Band Edge / Full RB



Date: 28 JUN 2022 16:16:56

Highest Band Edge / Full RB

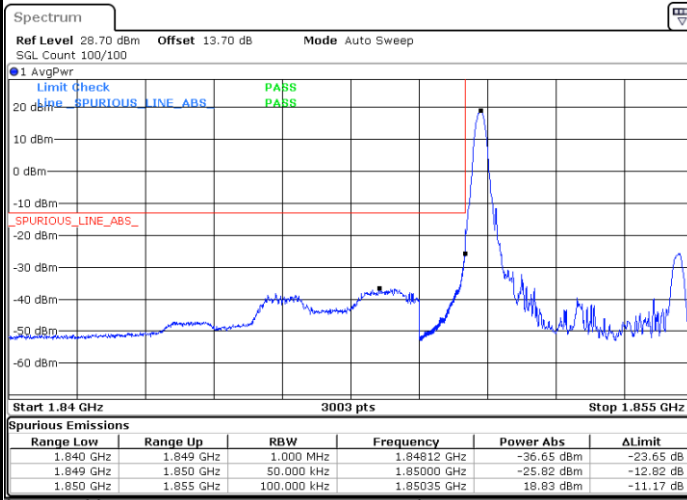


Date: 28 JUN 2022 16:21:21



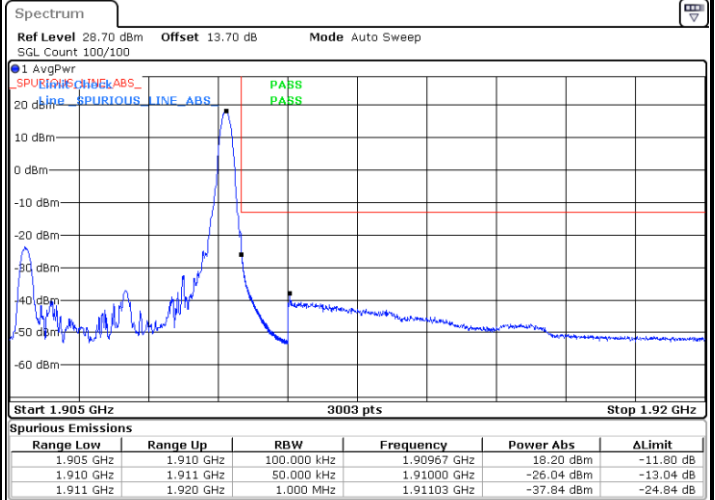
LTE Band 2 / 5MHz / 16QAM

Lowest Band Edge / 1RB



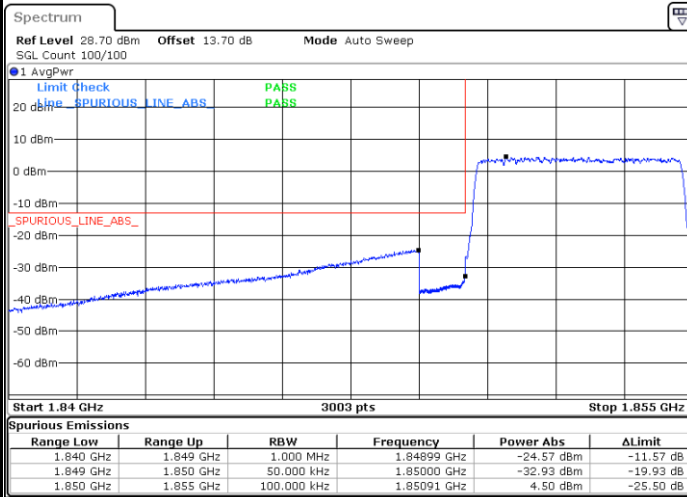
Date: 28 JUN 2022 16:18:21

Highest Band Edge / 1 RB



Date: 28 JUN 2022 16:19:38

Lowest Band Edge / Full RB



Date: 28 JUN 2022 16:16:15

Highest Band Edge / Full RB

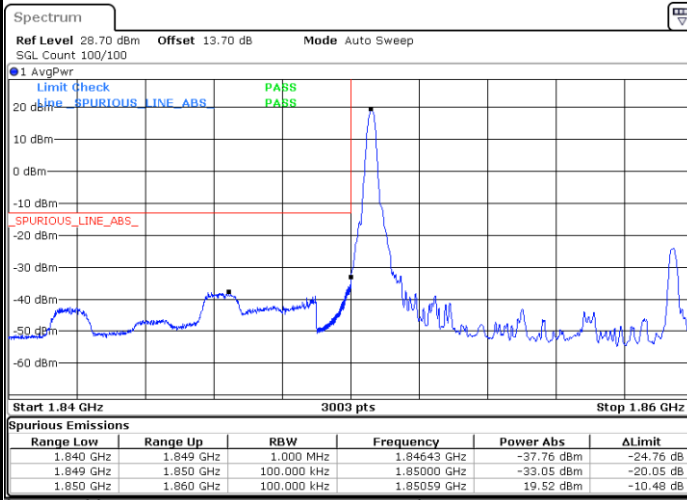


Date: 28 JUN 2022 16:22:19



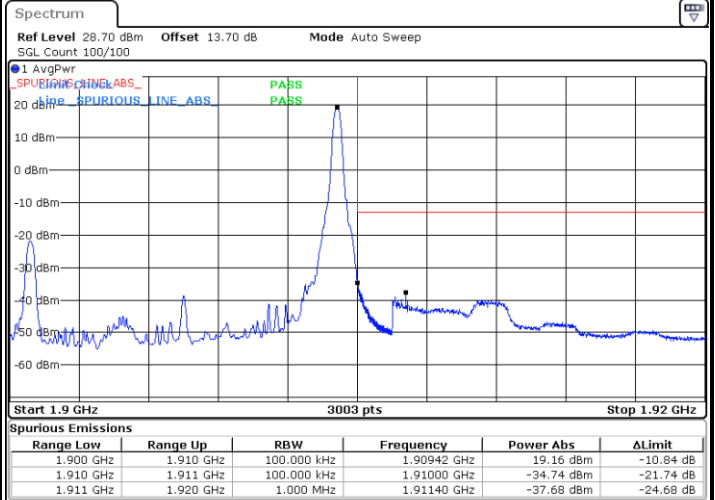
LTE Band 2 / 10MHz / QPSK

Lowest Band Edge / 1 RB



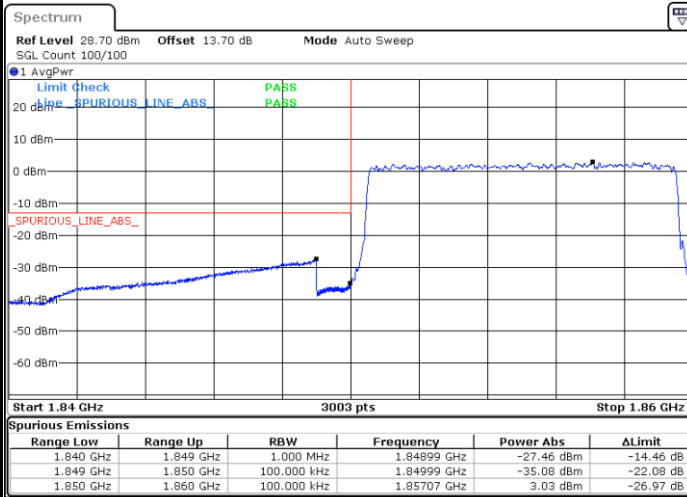
Date: 28 JUN 2022 16:41:11

Highest Band Edge / 1 RB



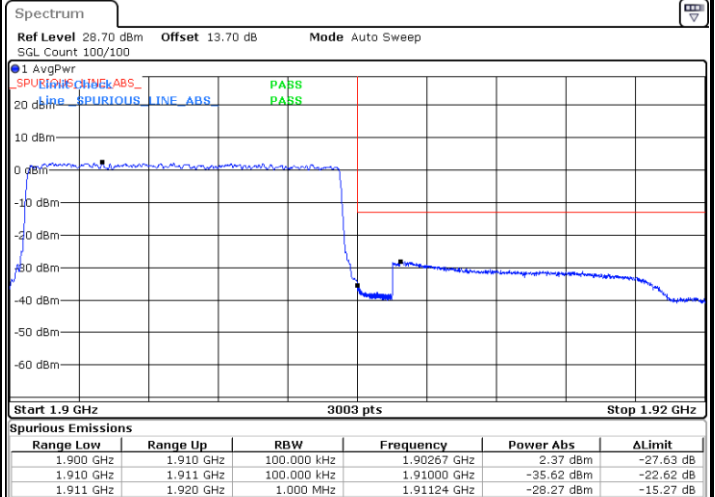
Date: 28 JUN 2022 16:59:07

Lowest Band Edge / Full RB



Date: 28 JUN 2022 16:40:26

Highest Band Edge / Full RB

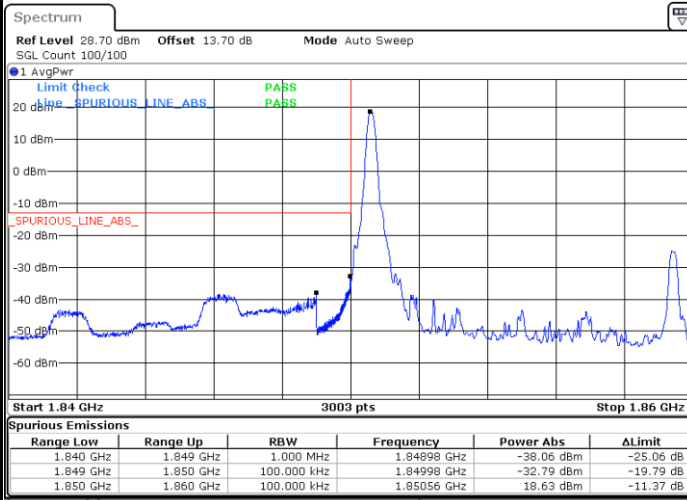


Date: 28 JUN 2022 16:55:00



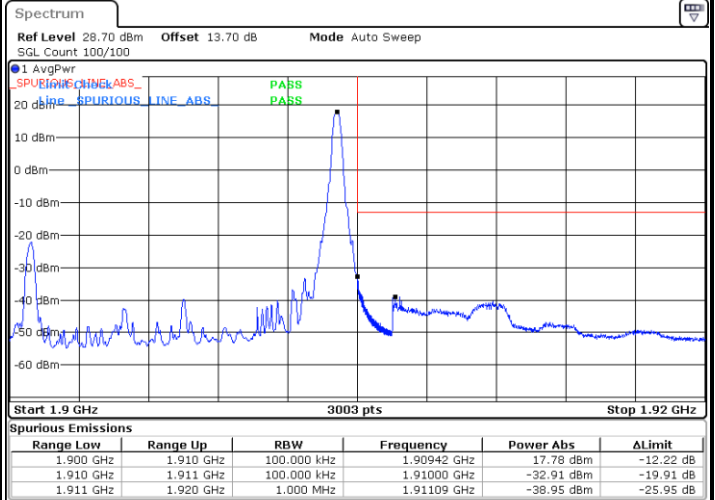
LTE Band 2 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



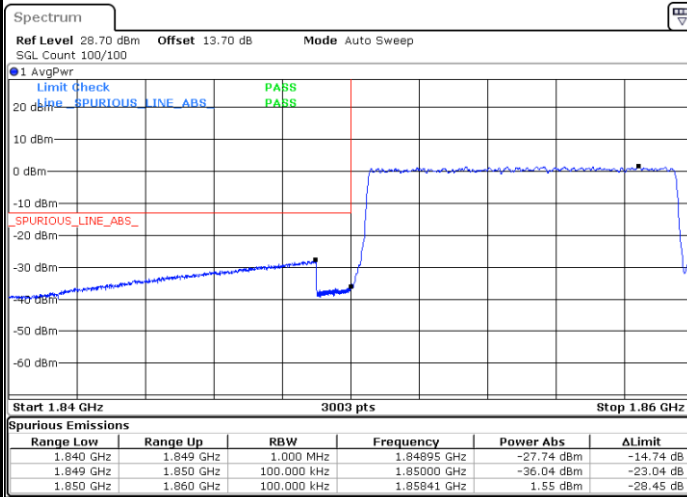
Date: 28 JUN 2022 16:42:08

Highest Band Edge / 1 RB



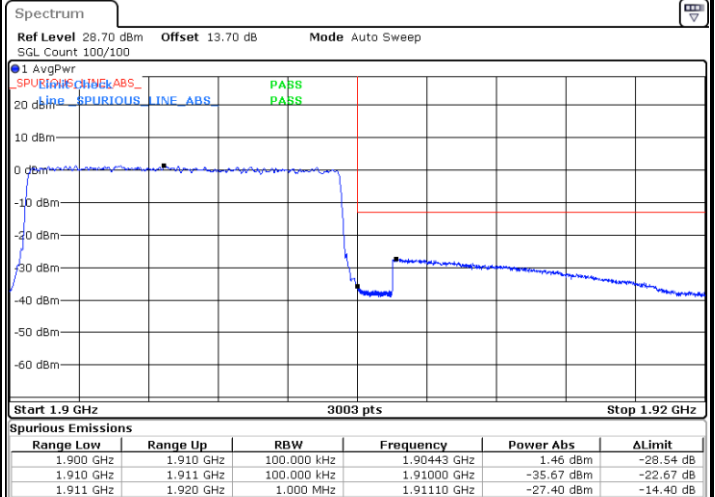
Date: 28 JUN 2022 16:59:46

Lowest Band Edge / Full RB



Date: 28 JUN 2022 16:39:49

Highest Band Edge / Full RB

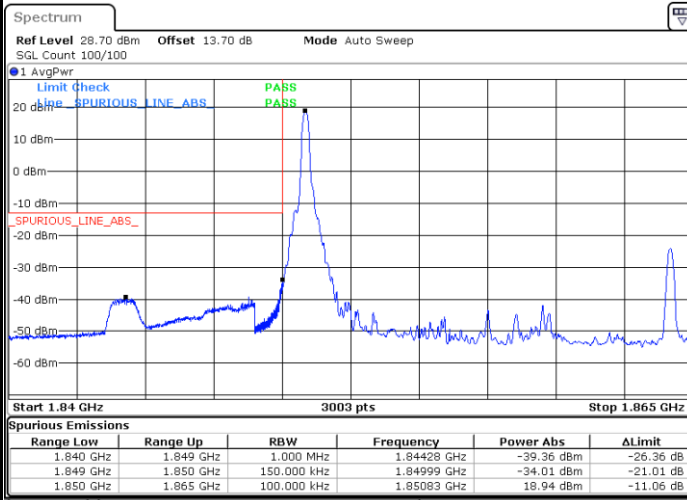


Date: 28 JUN 2022 16:55:39



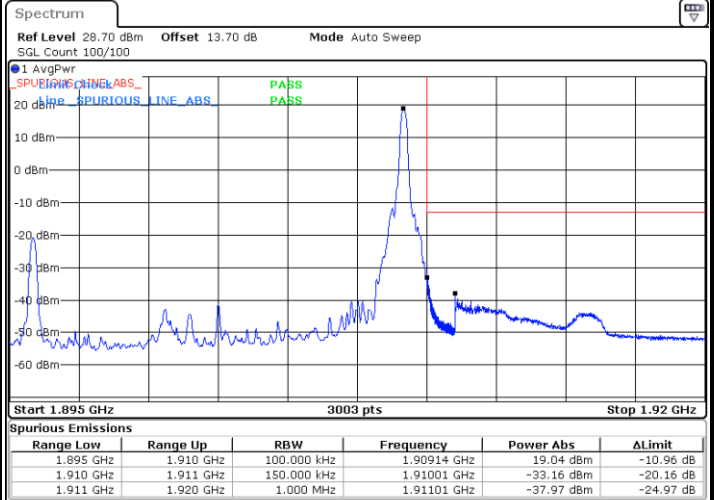
LTE Band 2 / 15MHz / QPSK

Lowest Band Edge / 1 RB



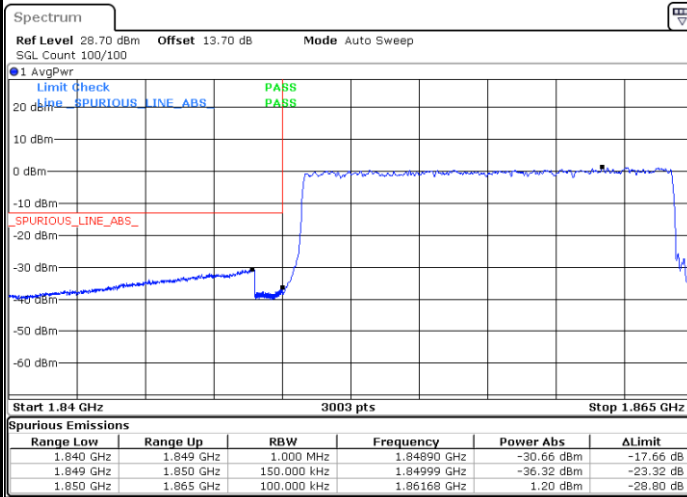
Date: 28 JUN 2022 17:01:13

Highest Band Edge / 1 RB



Date: 28 JUN 2022 17:16:57

Lowest Band Edge / Full RB



Date: 28 JUN 2022 17:02:54

Highest Band Edge / Full RB

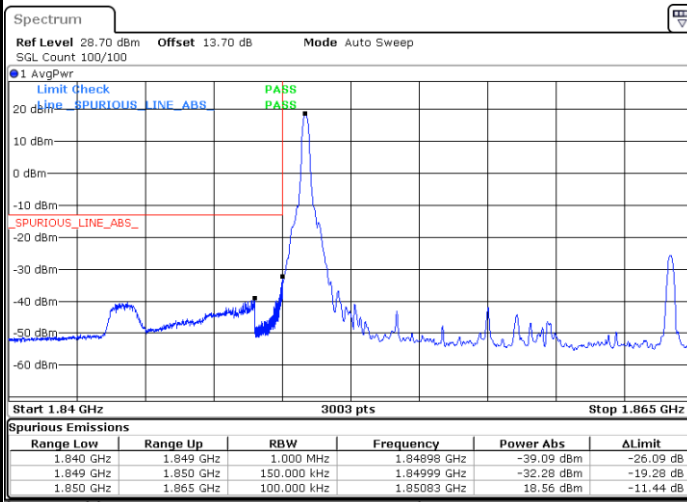


Date: 28 JUN 2022 17:16:17



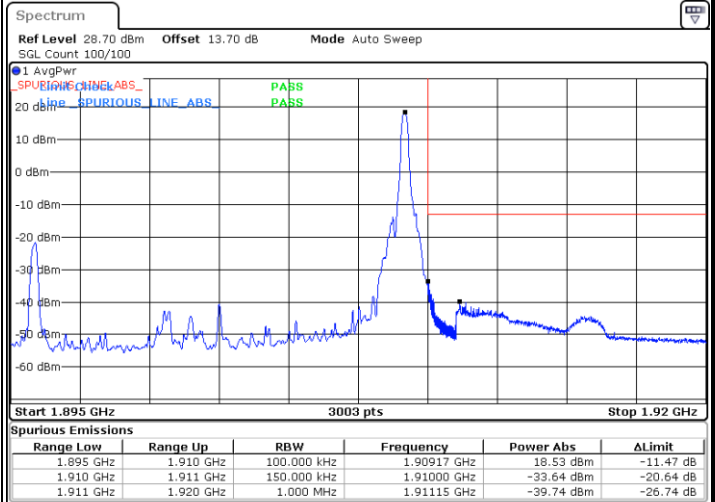
LTE Band 2 / 15MHz / 16QAM

Lowest Band Edge / 1 RB



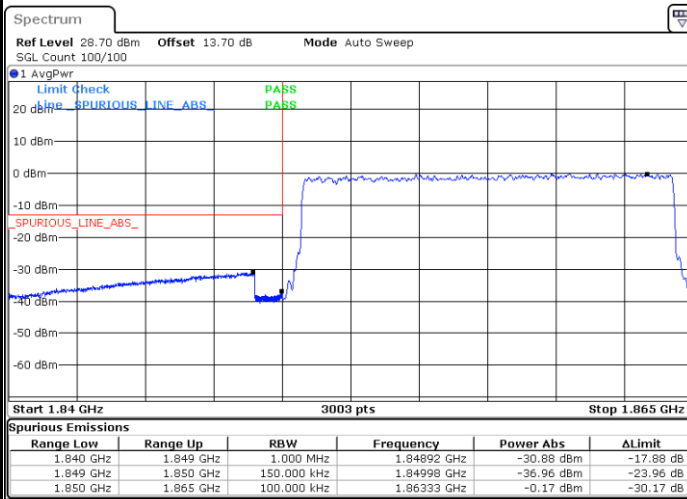
Date: 28 JUN 2022 17:00:32

Highest Band Edge / 1 RB



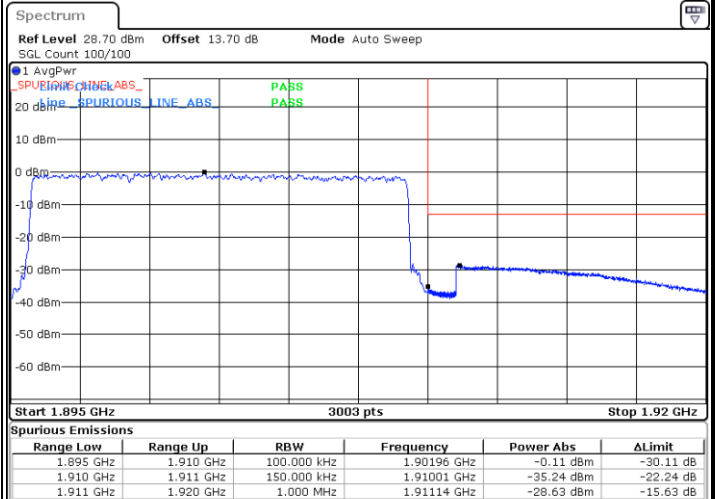
Date: 28 JUN 2022 17:17:32

Lowest Band Edge / Full RB



Date: 28 JUN 2022 17:05:28

Highest Band Edge / Full RB

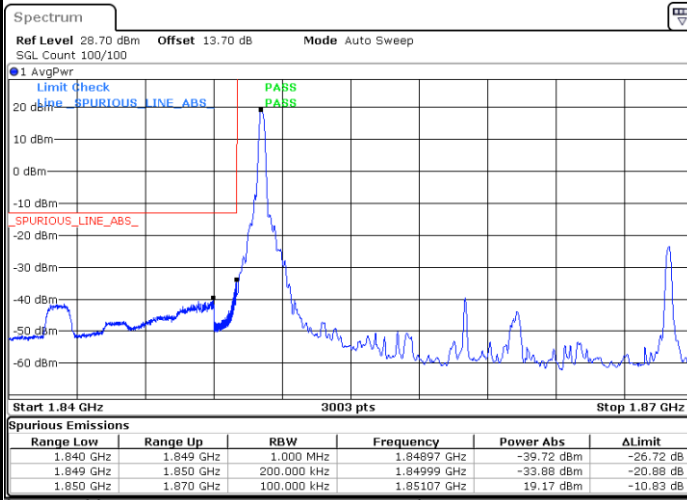


Date: 28 JUN 2022 17:15:36



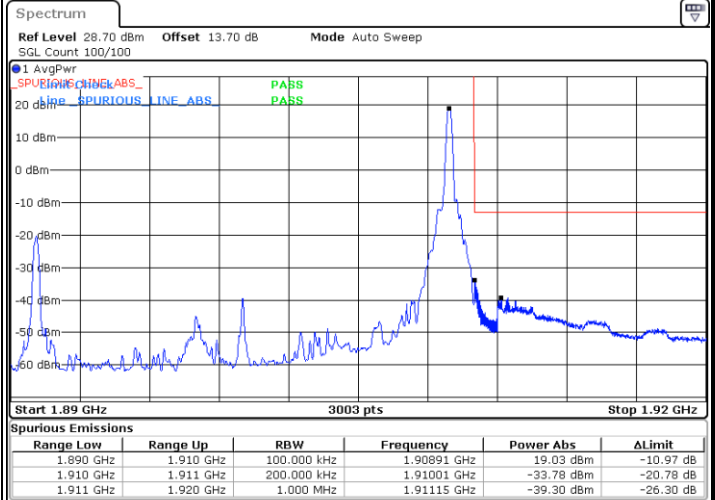
LTE Band 2 / 20MHz / QPSK

Lowest Band Edge / 1 RB



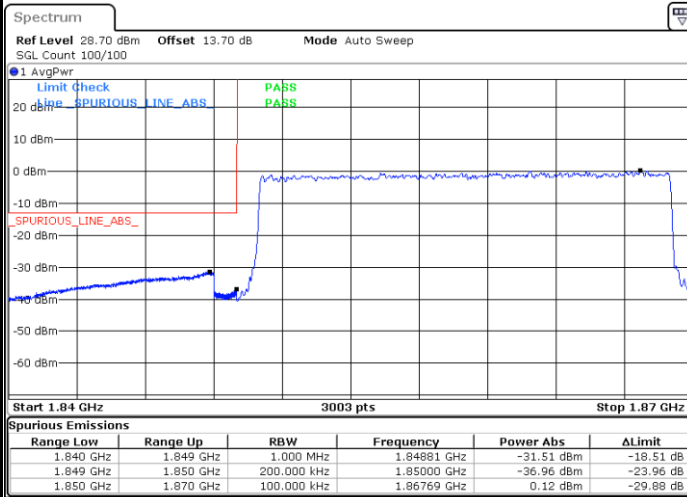
Date: 29 JUN 2022 09:01:27

Highest Band Edge / 1 RB



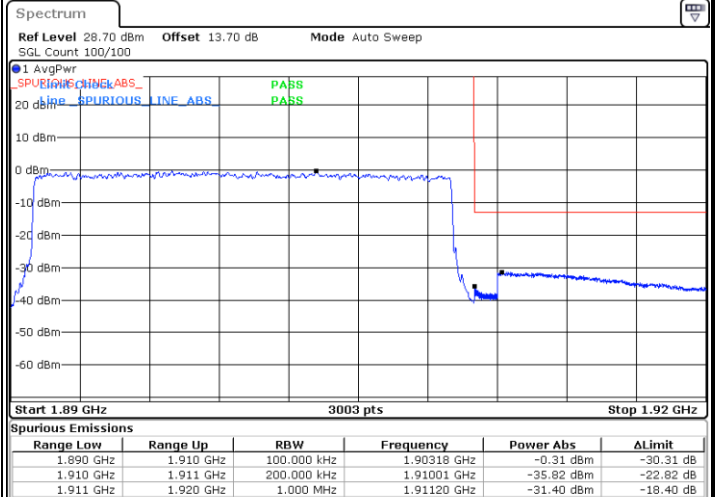
Date: 29 JUN 2022 09:22:00

Lowest Band Edge / Full RB



Date: 28 JUN 2022 17:38:15

Highest Band Edge / Full RB

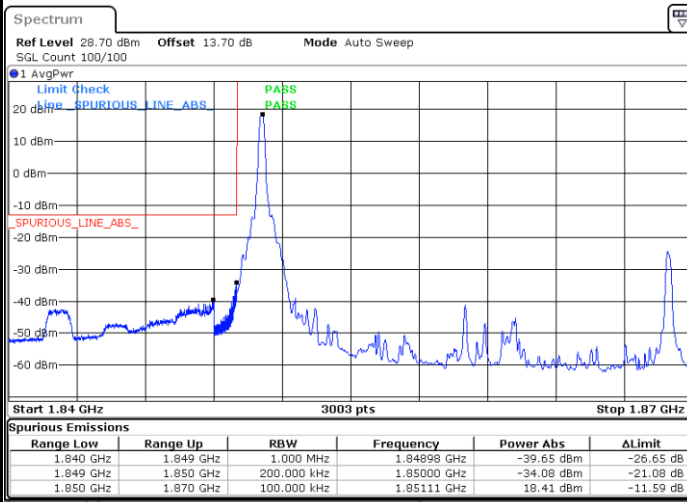


Date: 29 JUN 2022 09:20:43



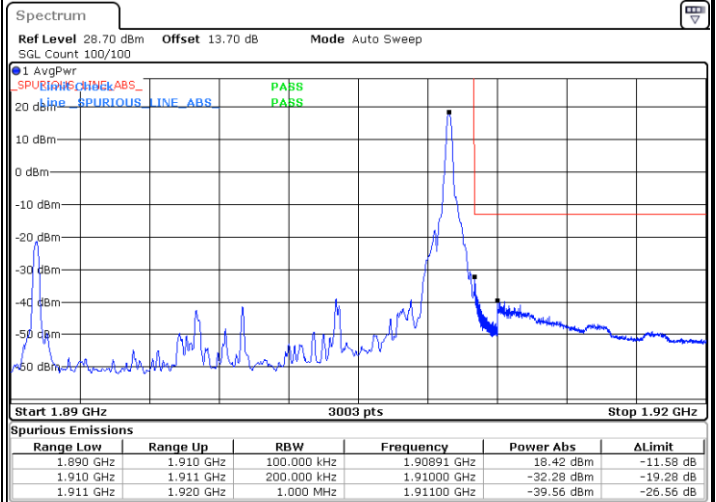
LTE Band 2 / 20MHz / 16QAM

Lowest Band Edge / 1 RB



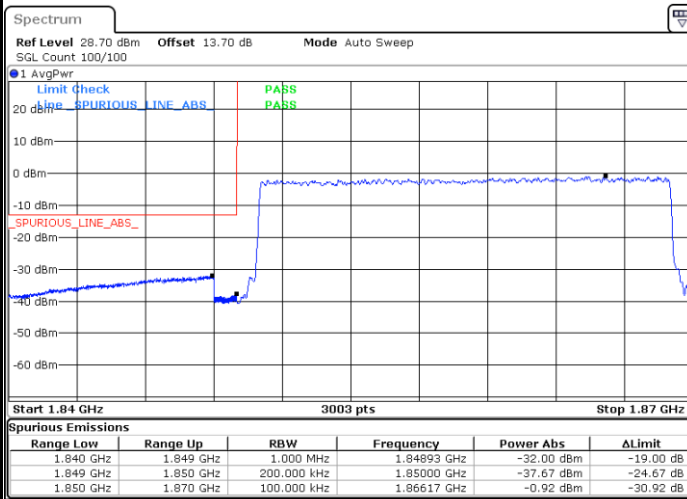
Date: 29 JUN 2022 09:02:06

Highest Band Edge / 1 RB



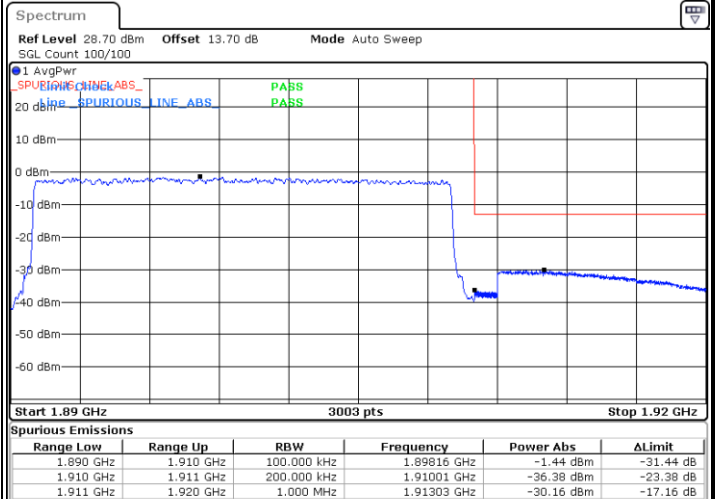
Date: 29 JUN 2022 09:23:43

Lowest Band Edge / Full RB



Date: 28 JUN 2022 17:37:13

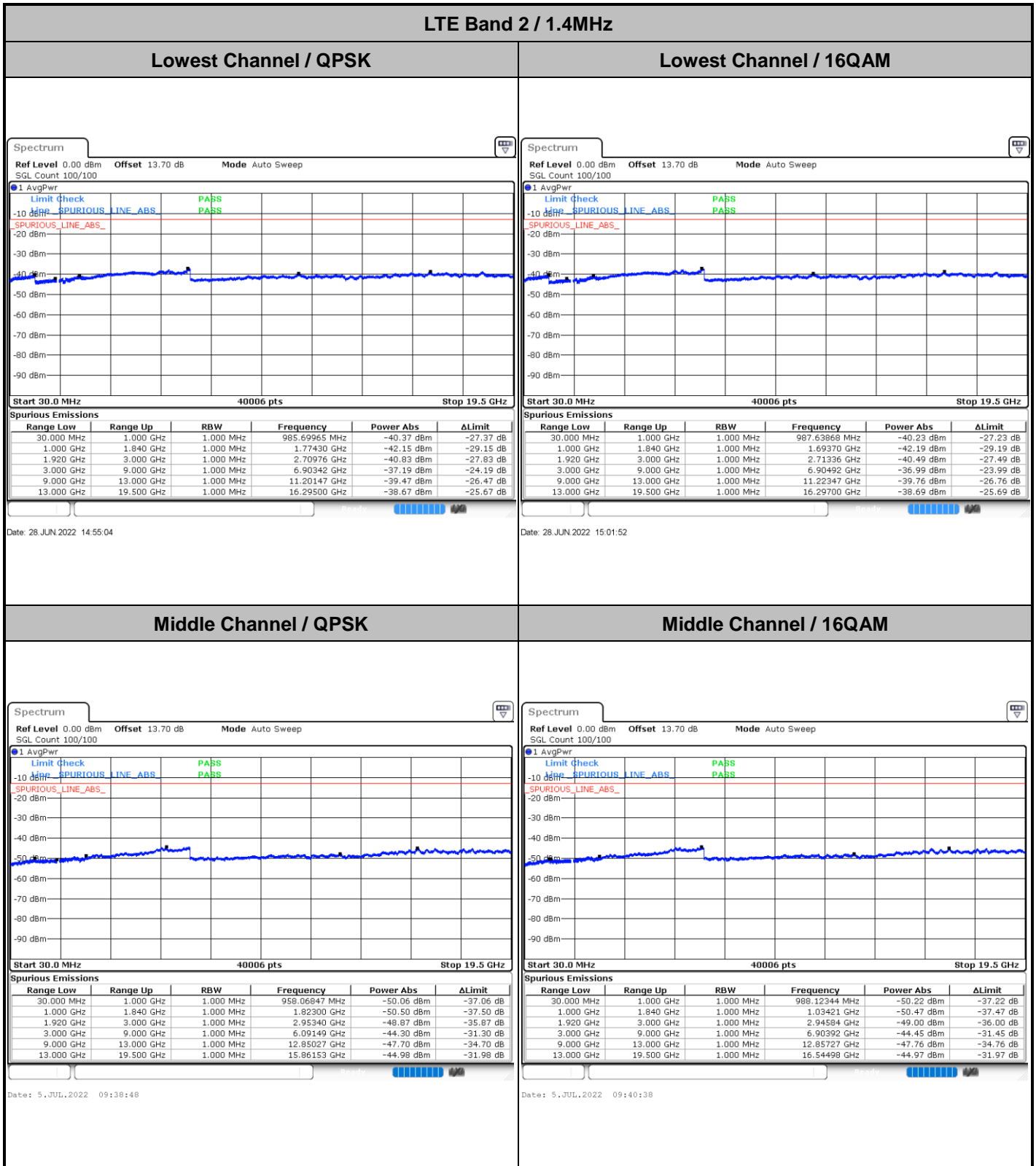
Highest Band Edge / Full RB



Date: 29 JUN 2022 09:19:39



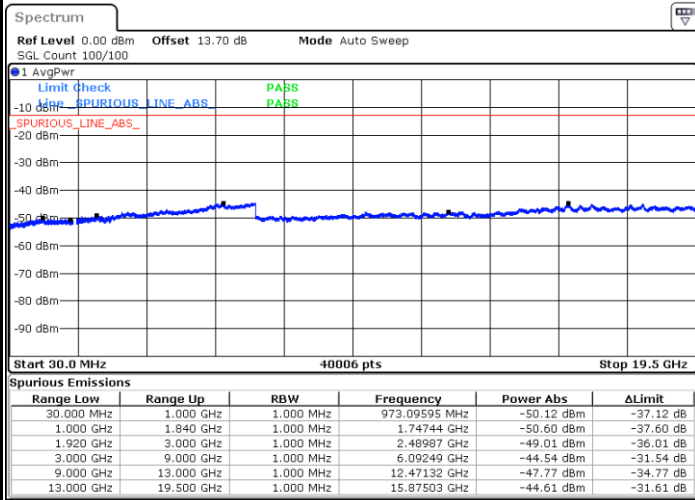
Conducted Spurious Emission





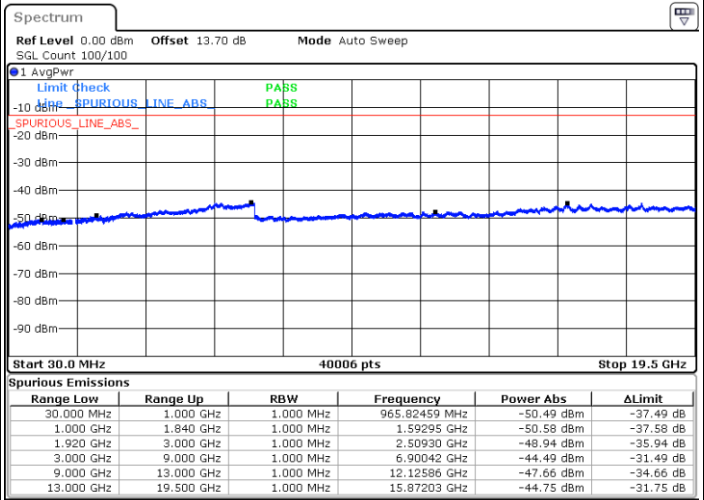
LTE Band 2 / 1.4MHz

Highest Channel / QPSK



Date: 5 JUL 2022 09:44:21

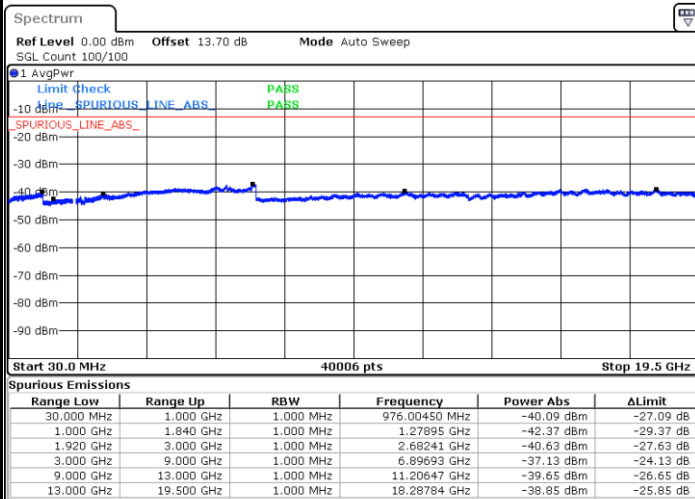
Highest Channel / 16QAM



Date: 5 JUL 2022 09:42:54

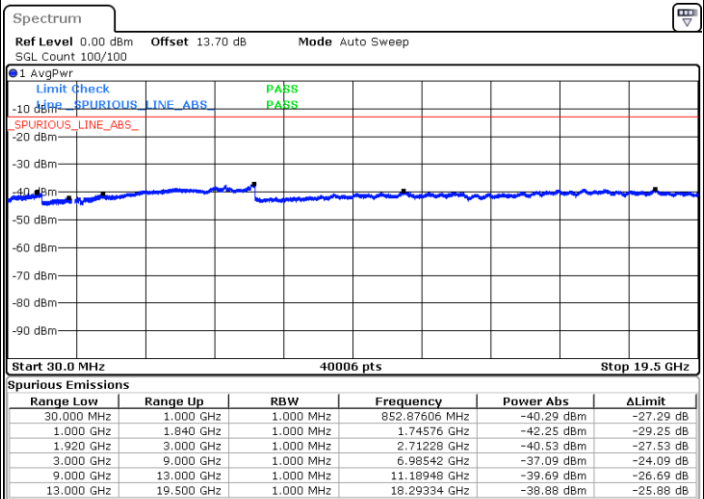
LTE Band 2 / 3MHz

Lowest Channel / QPSK



Date: 28 JUN 2022 15:47:01

Lowest Channel / 16QAM



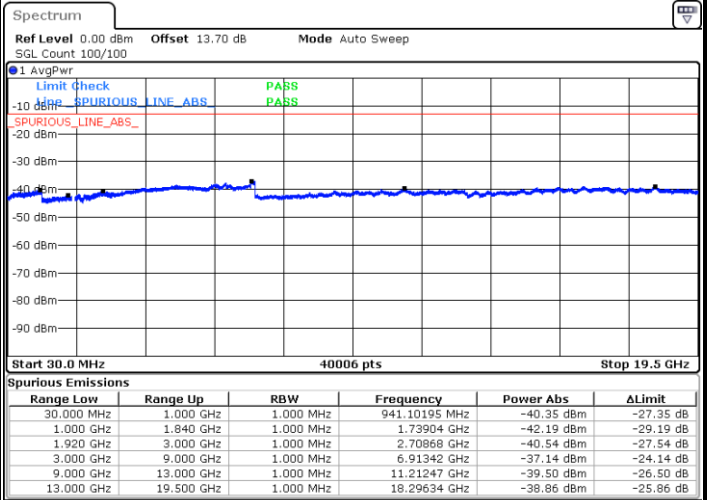
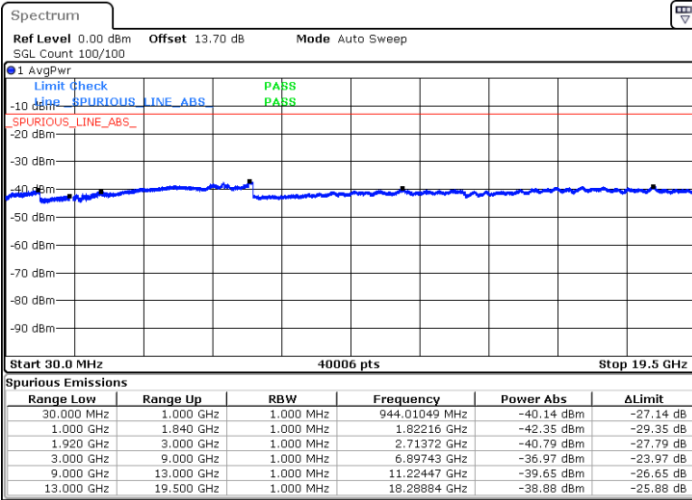
Date: 28 JUN 2022 15:45:57



LTE Band 2 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

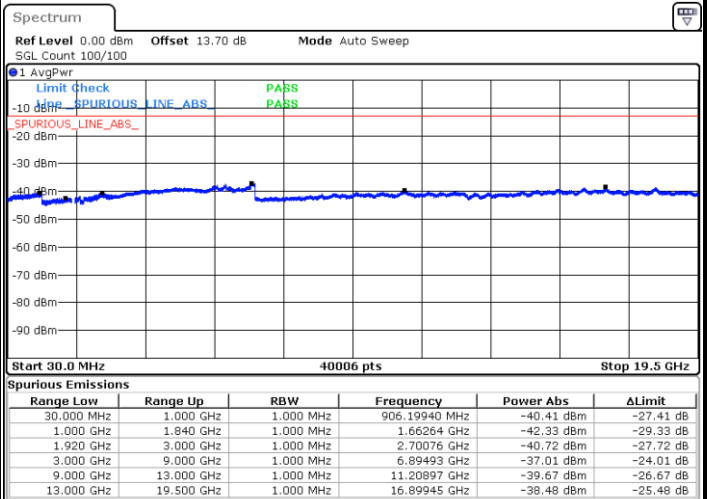
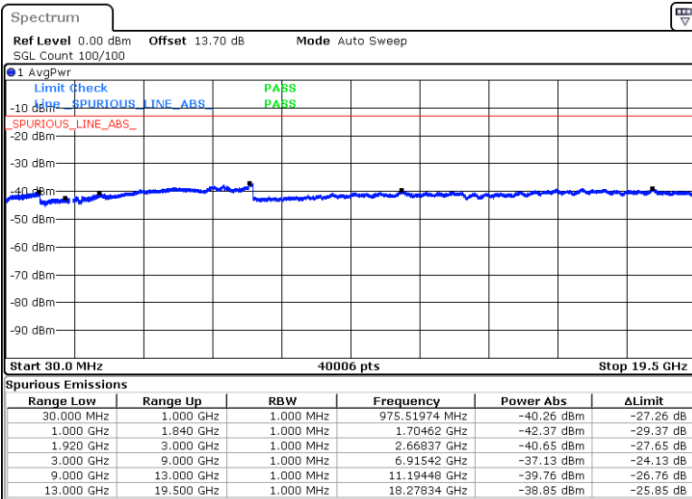


Date: 28 JUN 2022 15:43:44

Date: 28 JUN 2022 15:44:54

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 28 JUN 2022 15:42:41

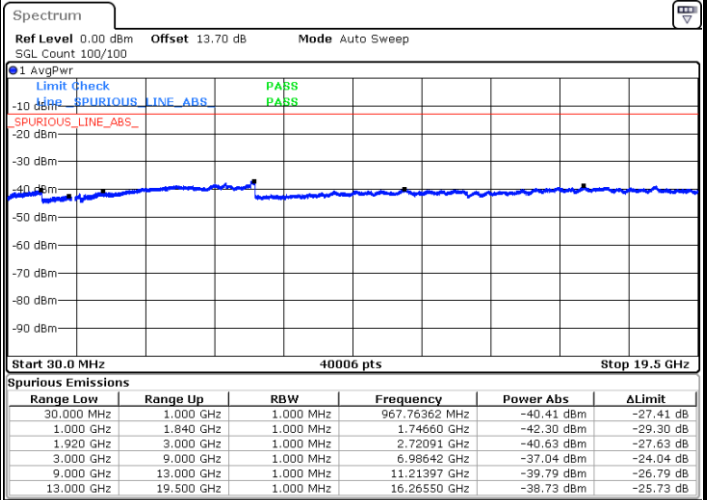
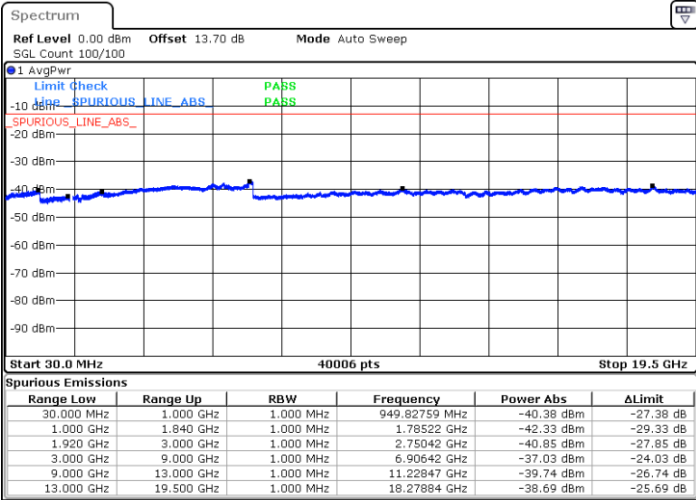
Date: 28 JUN 2022 15:41:44



LTE Band 2 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

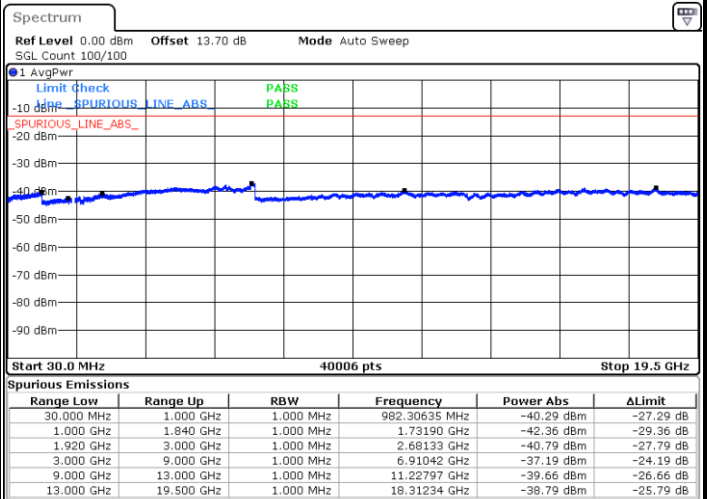
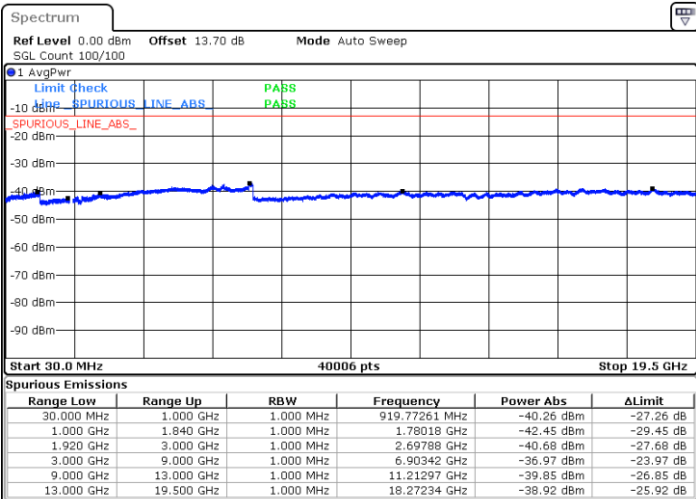


Date: 28 JUN 2022 16:31:27

Date: 28 JUN 2022 16:30:30

Middle Channel / QPSK

Middle Channel / 16QAM



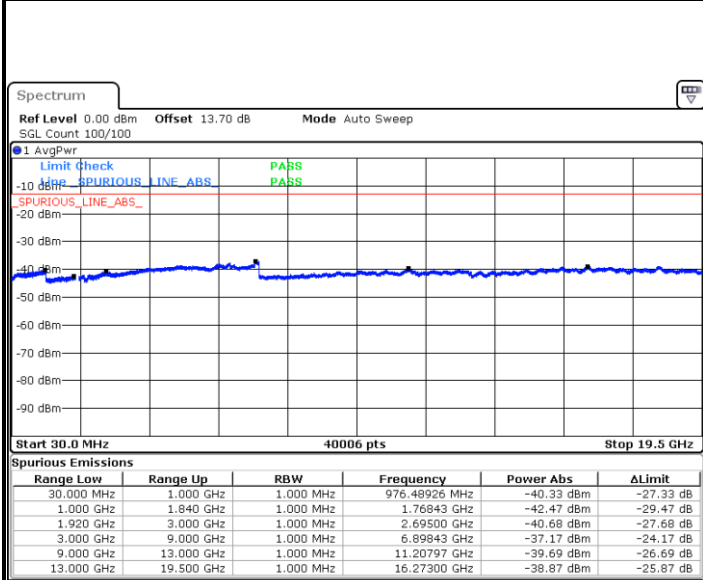
Date: 28 JUN 2022 16:28:30

Date: 28 JUN 2022 16:29:27



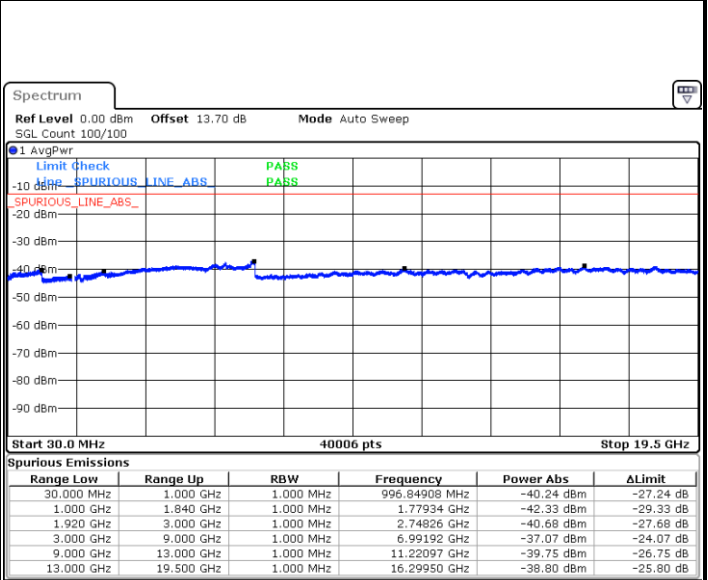
LTE Band 2 / 5MHz

Highest Channel / QPSK



Date: 28 JUN 2022 16:27:30

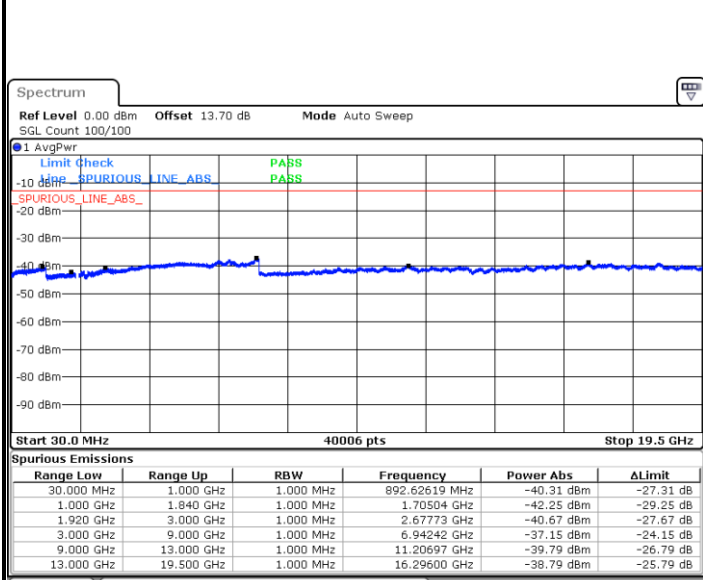
Highest Channel / 16QAM



Date: 28 JUN 2022 16:26:28

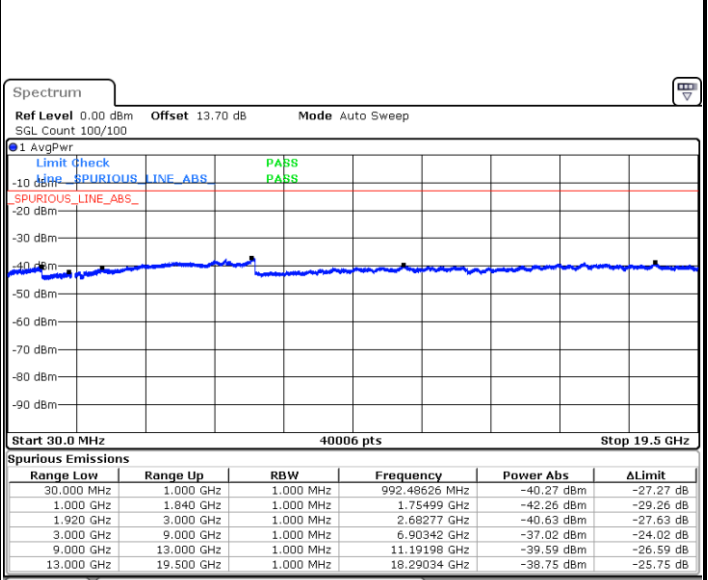
LTE Band 2 / 10MHz

Lowest Channel / QPSK



Date: 28 JUN 2022 16:44:22

Lowest Channel / 16QAM

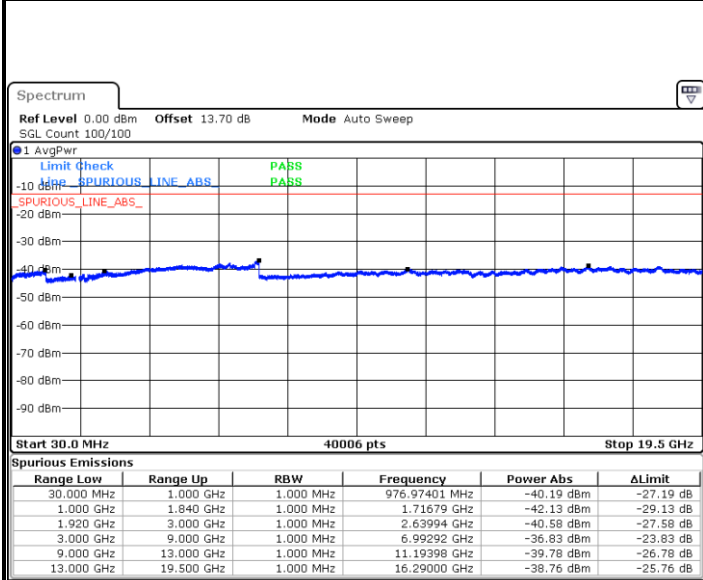


Date: 28 JUN 2022 16:43:22



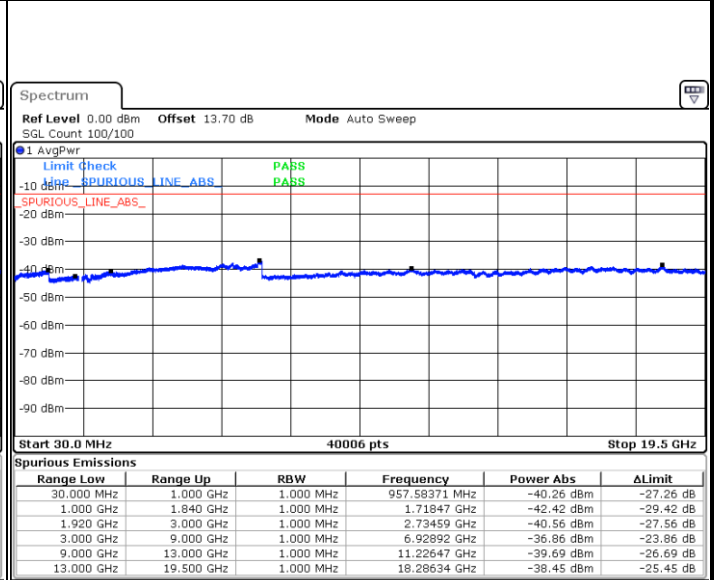
LTE Band 2 / 10MHz

Middle Channel / QPSK



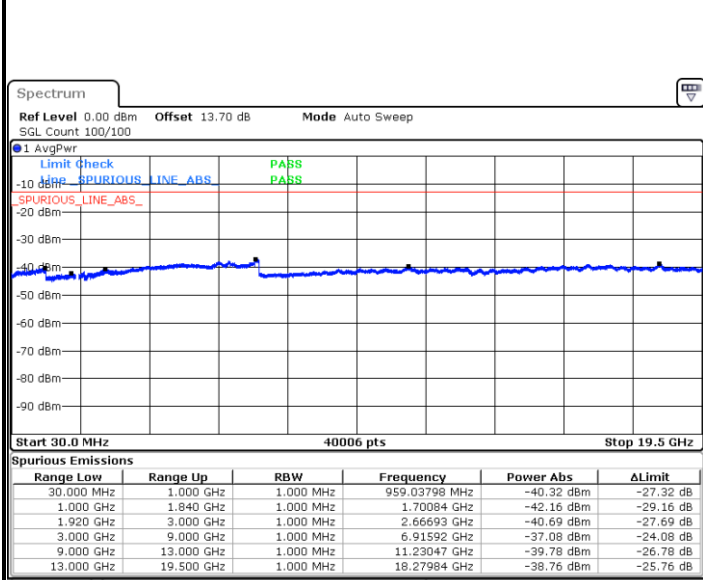
Date: 28 JUN 2022 16:51:05

Middle Channel / 16QAM



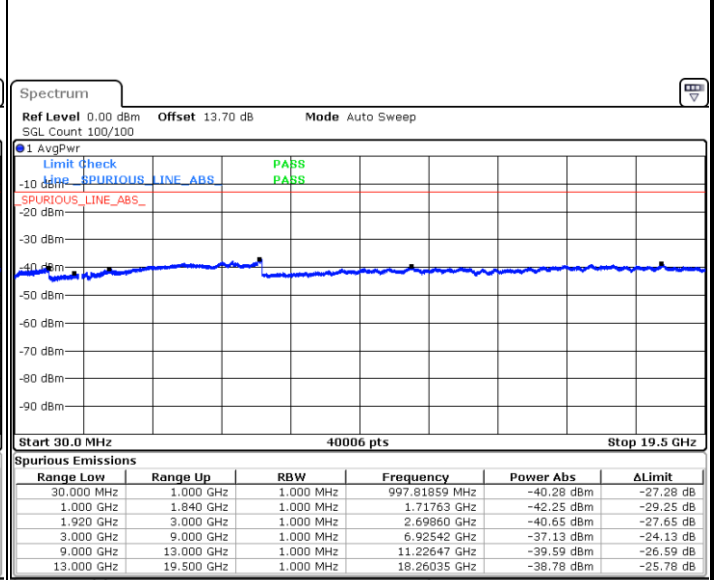
Date: 28 JUN 2022 16:52:06

Highest Channel / QPSK



Date: 28 JUN 2022 16:54:10

Highest Channel / 16QAM



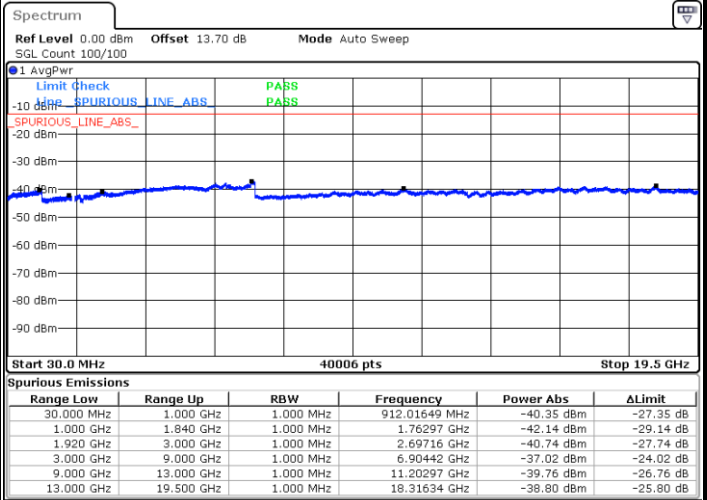
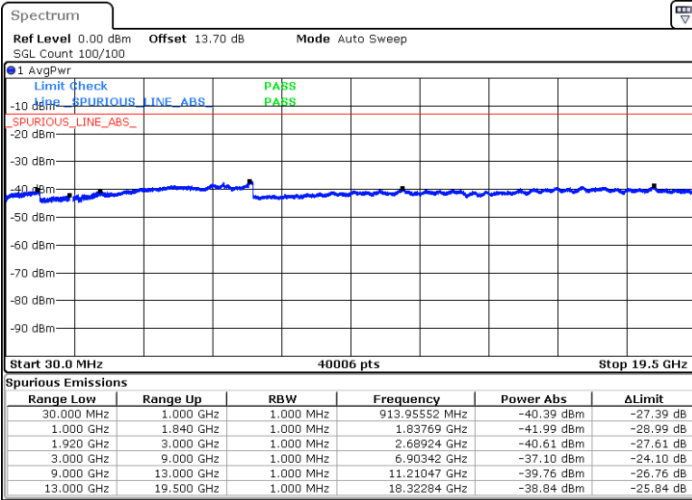
Date: 28 JUN 2022 16:53:09



LTE Band 2 / 15MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

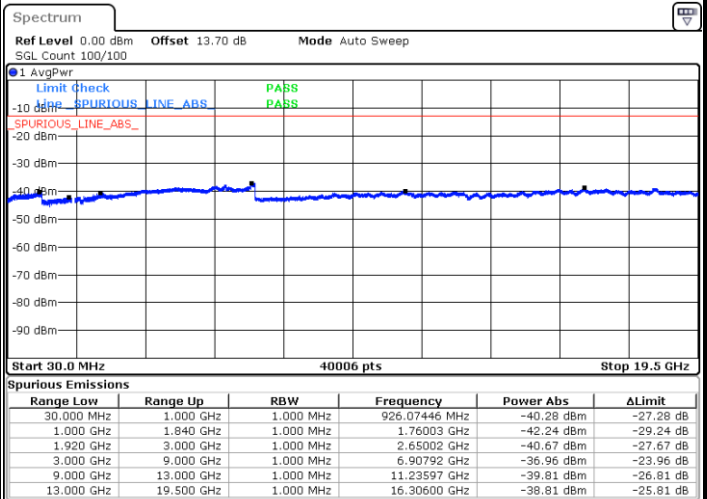
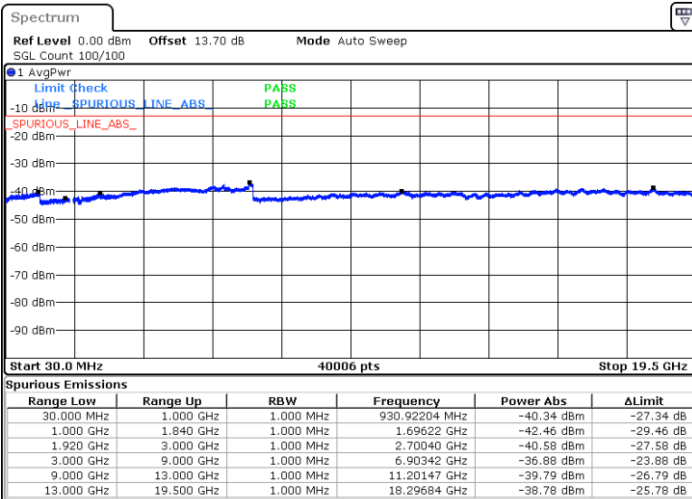


Date: 28 JUN 2022 17:26:17

Date: 28 JUN 2022 17:25:07

Middle Channel / QPSK

Middle Channel / 16QAM



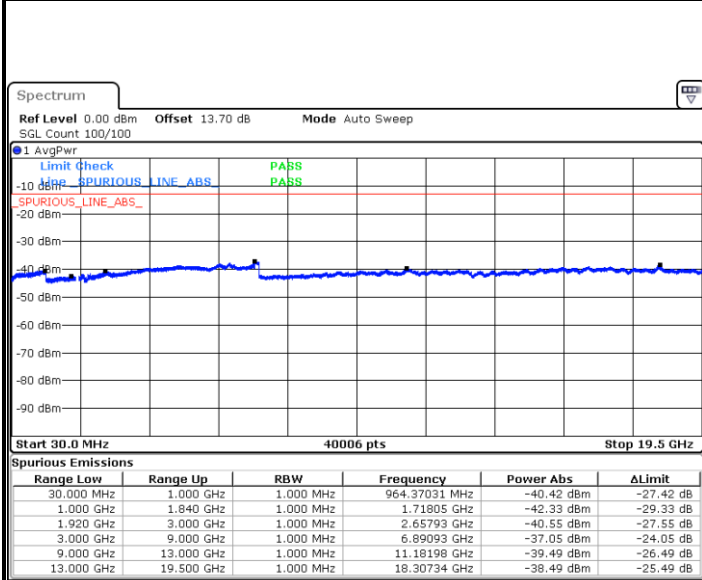
Date: 28 JUN 2022 17:22:52

Date: 28 JUN 2022 17:23:55



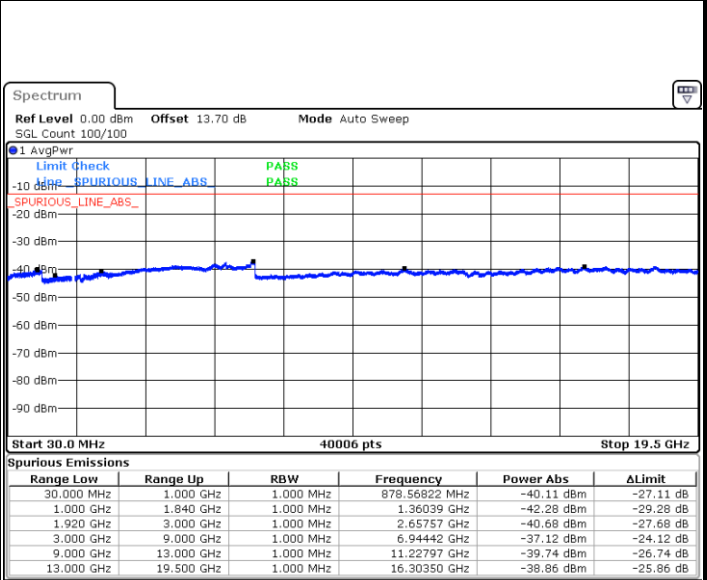
LTE Band 2 / 15MHz

Highest Channel / QPSK



Date: 28 JUN 2022 17:21:43

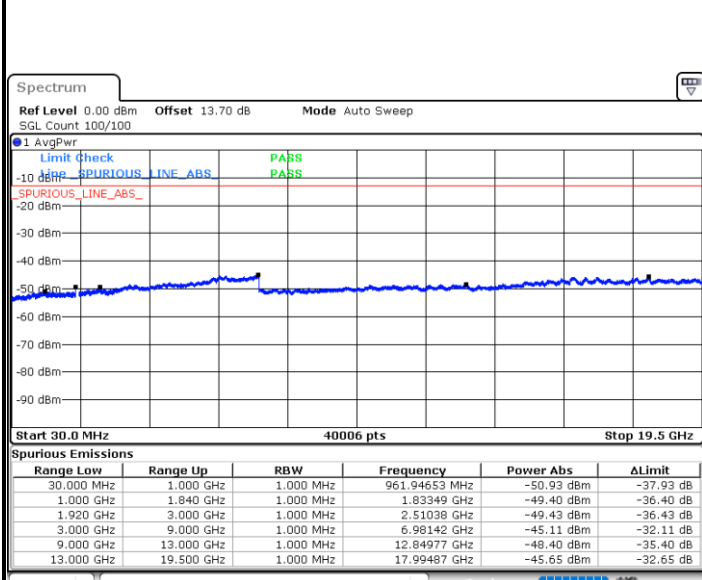
Highest Channel / 16QAM



Date: 28 JUN 2022 17:18:52

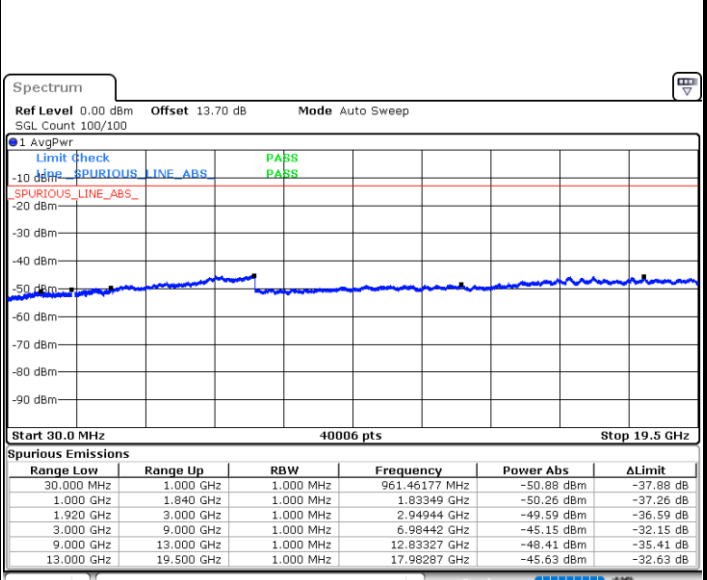
LTE Band 2 / 20MHz

Lowest Channel / QPSK



Date: 29 JUN 2022 09:04:17

Lowest Channel / 16QAM



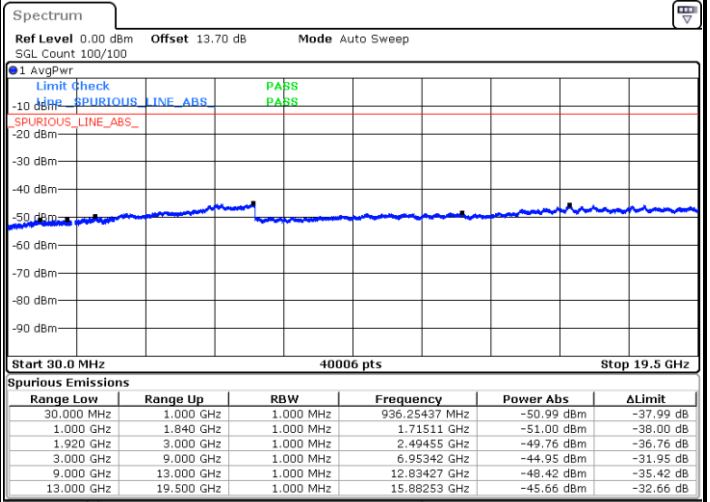
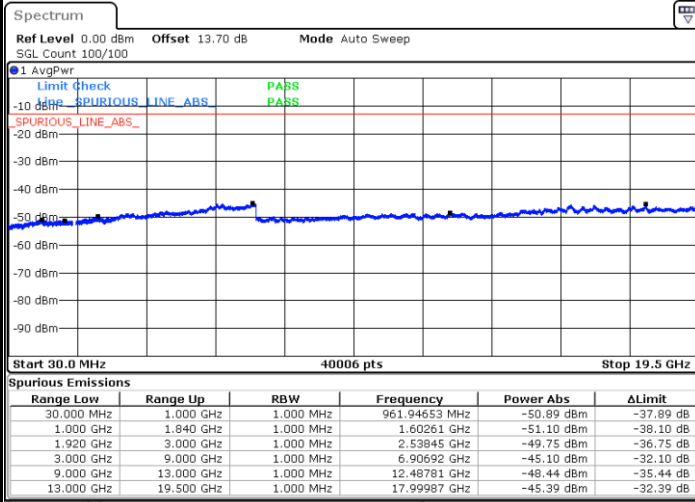
Date: 29 JUN 2022 09:03:08



LTE Band 2 / 20MHz

Middle Channel / QPSK

Middle Channel / 16QAM

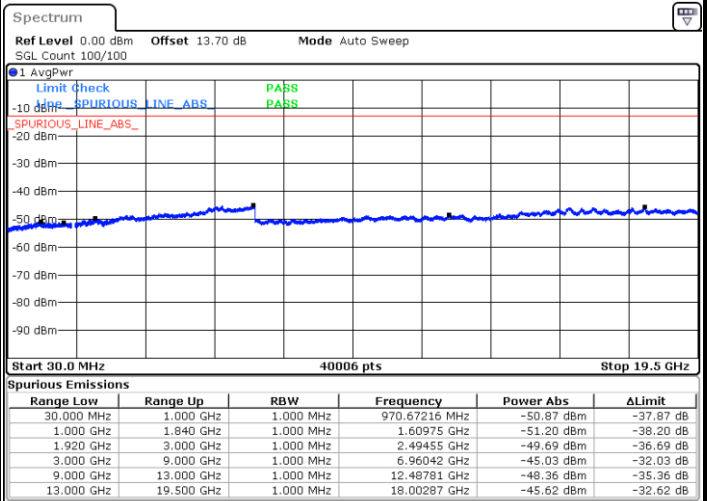
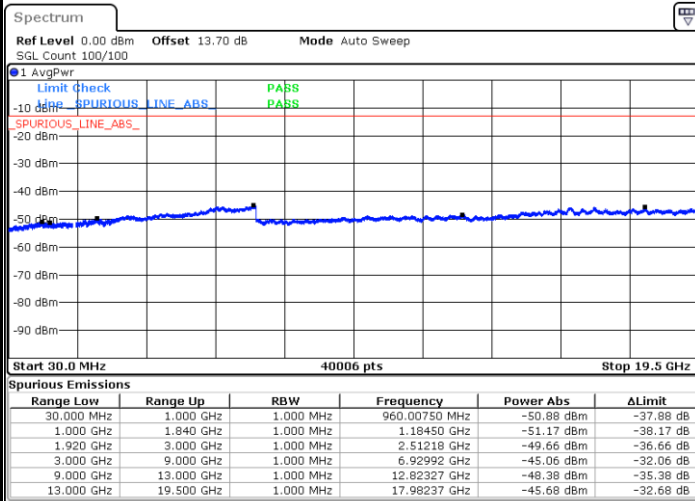


Date: 29 JUN.2022 09:11:01

Date: 29 JUN.2022 09:12:44

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 29 JUN.2022 09:16:36

Date: 29 JUN.2022 09:15:27



Frequency Stability

Test Conditions		LTE Band 2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
70	Normal Voltage	0.0003	PASS
60	Normal Voltage	0.0002	
50	Normal Voltage	0.0004	
40	Normal Voltage	0.0005	
30	Normal Voltage	0.0003	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0009	
0	Normal Voltage	0.0001	
-10	Normal Voltage	0.0003	
-20	Normal Voltage	0.0001	
-30	Normal Voltage	0.0002	
20	Maximum Voltage	0.0006	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0004	

Note:

1. Normal Voltage =3.7 V. ; Minimum Voltage =3.4 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 4

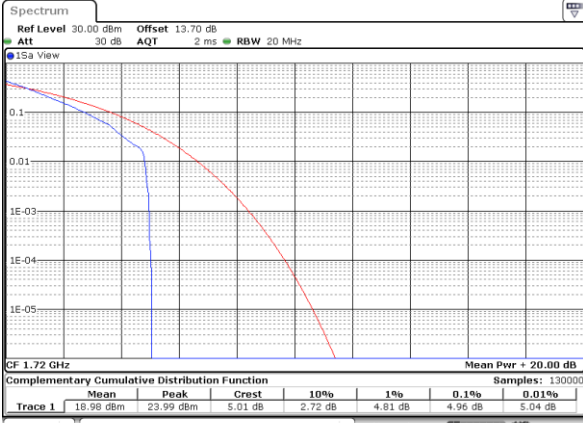
Peak-to-Average Ratio

Mode	LTE Band 4 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.96	5.30	6.00	6.09	PASS
Middle CH	5.01	5.16	5.88	6.06	
Highest CH	4.96	5.07	5.62	5.97	



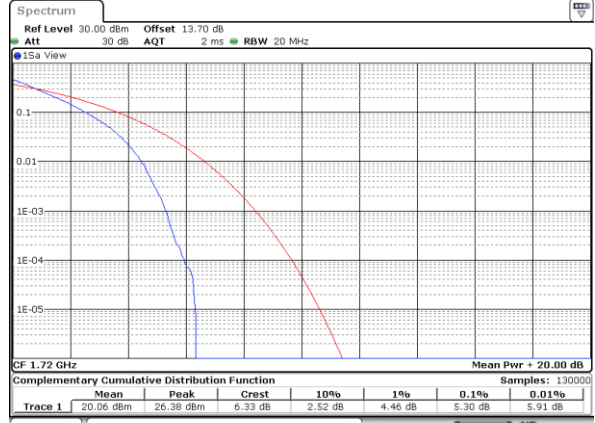
LTE Band 4 / 20MHz / QPSK

Lowest Channel / 1RB



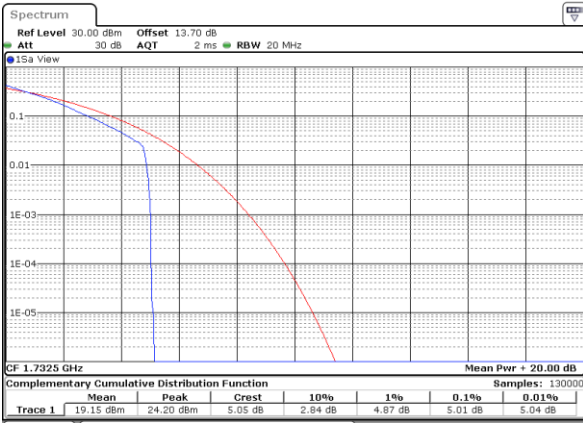
Date: 30 JUN 2022 10:54:36

Lowest Channel / Full RB



Date: 30 JUN 2022 11:05:35

Middle Channel / 1RB



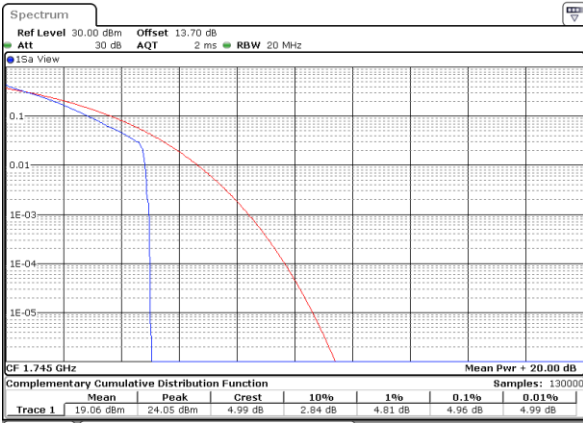
Date: 30 JUN 2022 11:07:05

Middle Channel / Full RB



Date: 30 JUN 2022 11:06:22

Highest Channel / 1RB



Date: 30 JUN 2022 11:09:53

Highest Channel / Full RB

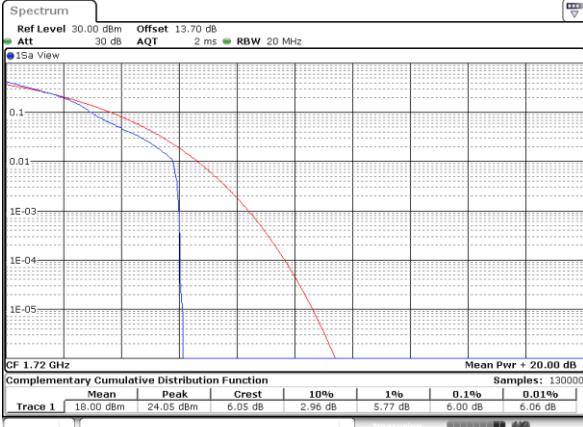


Date: 30 JUN 2022 11:08:55



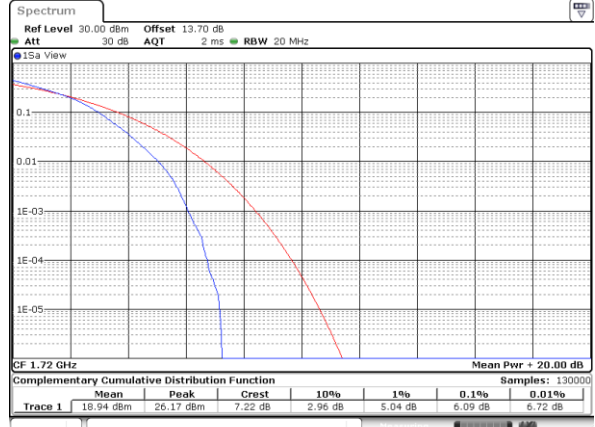
LTE Band 4 / 20MHz / 16QAM

Lowest Channel / 1RB



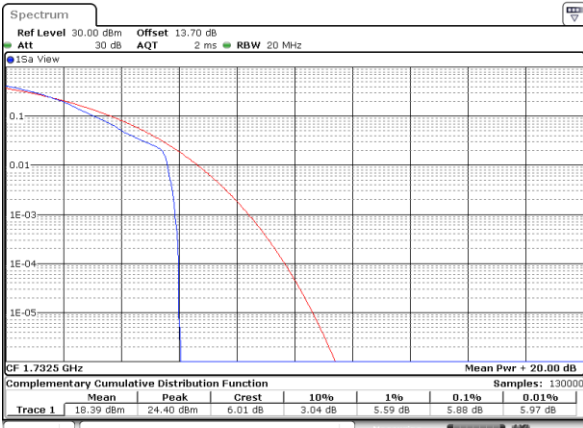
Date: 30 JUN 2022 10:44:18

Lowest Channel / Full RB



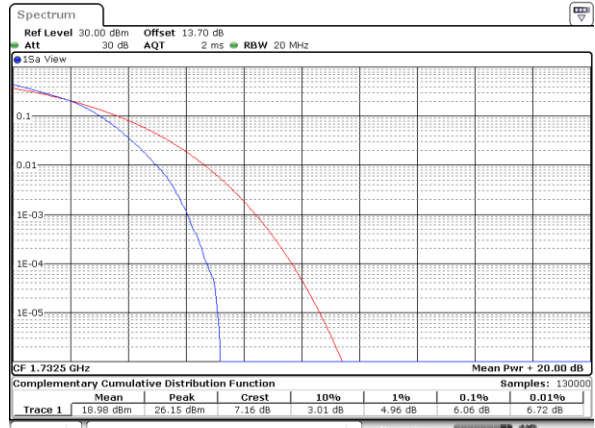
Date: 30 JUN 2022 10:44:44

Middle Channel / 1RB



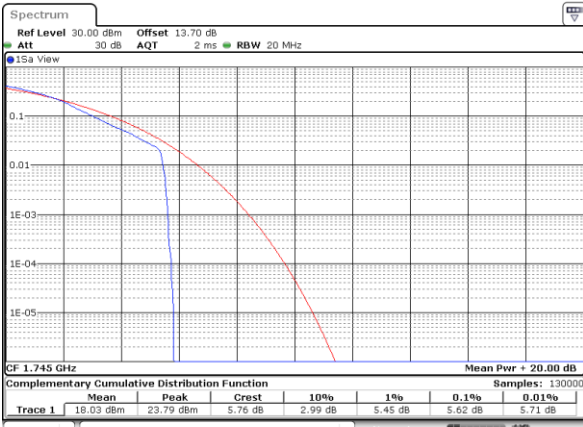
Date: 30 JUN 2022 10:45:09

Middle Channel / Full RB



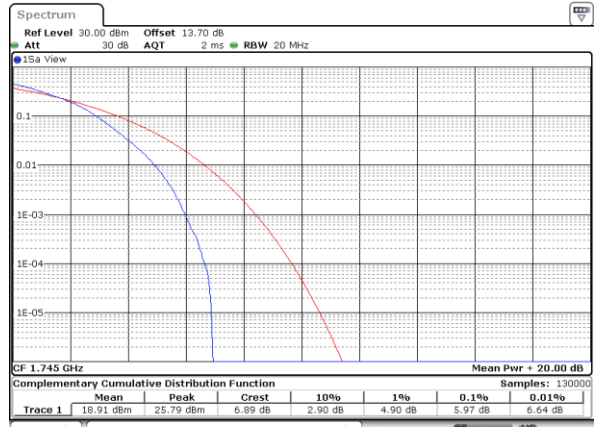
Date: 30 JUN 2022 10:45:34

Highest Channel / 1RB



Date: 30 JUN 2022 10:46:00

Highest Channel / Full RB



Date: 30 JUN 2022 11:10:57



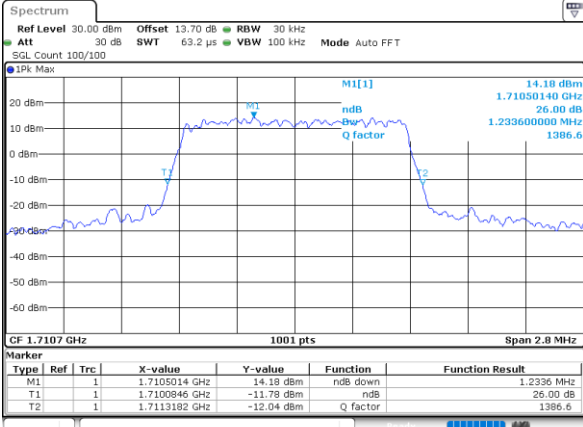
26dB Bandwidth

Mode	LTE Band 4 : 26dB BW(MHz)											
	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
BW												
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Lowest CH	1.23	1.22	3.02	2.96	4.91	4.86	9.67	9.75	14.33	14.57	19.14	19.02
Middle CH	1.23	1.21	2.99	2.99	4.94	4.86	9.93	9.93	14.33	14.51	19.06	19.18
Highest CH	1.23	1.22	3.02	3.05	4.91	4.82	9.69	9.87	14.36	14.66	18.94	19.18



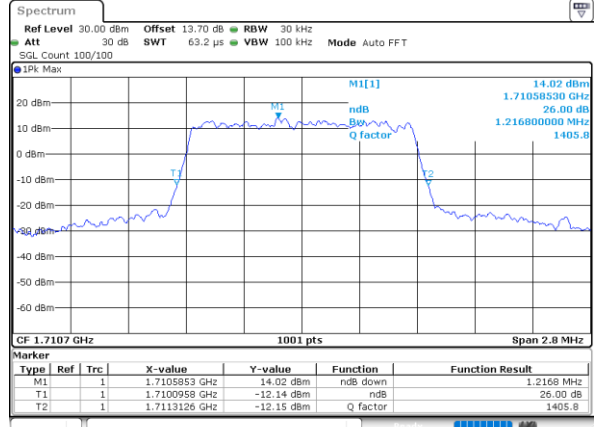
LTE Band 4

Lowest Channel / 1.4MHz / QPSK



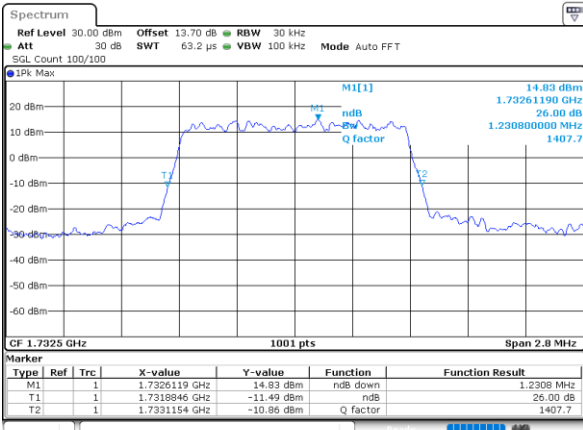
Date: 30 JUN 2022 10:24:59

Lowest Channel / 1.4MHz / 16QAM



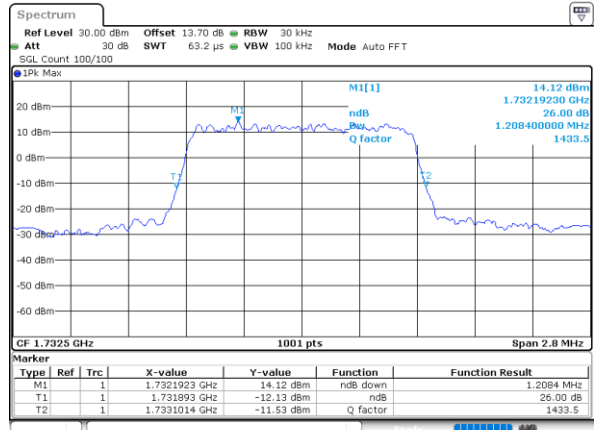
Date: 30 JUN 2022 10:25:123

Middle Channel / 1.4MHz / QPSK



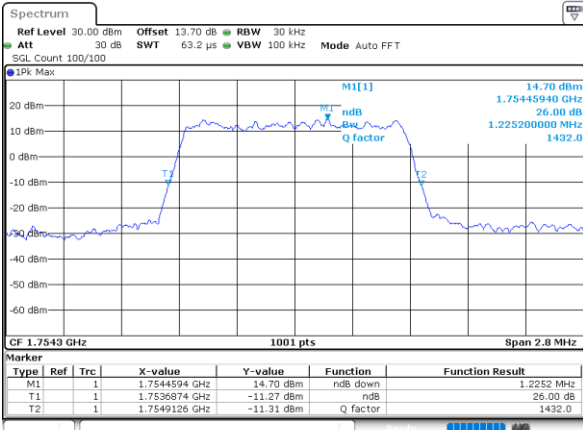
Date: 30 JUN 2022 10:33:21

Middle Channel / 1.4MHz / 16QAM



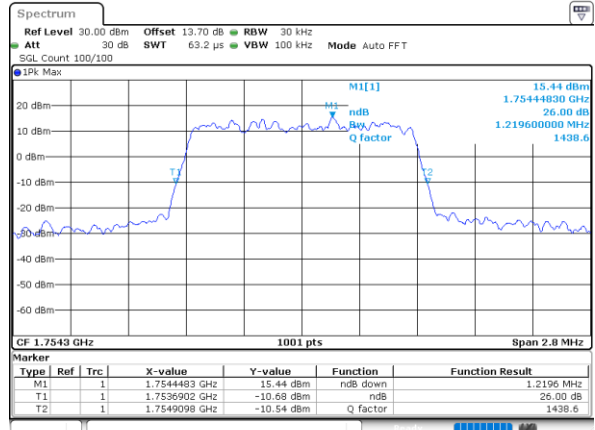
Date: 30 JUN 2022 10:33:44

Highest Channel / 1.4MHz / QPSK



Date: 30 JUN 2022 10:36:40

Highest Channel / 1.4MHz / 16QAM

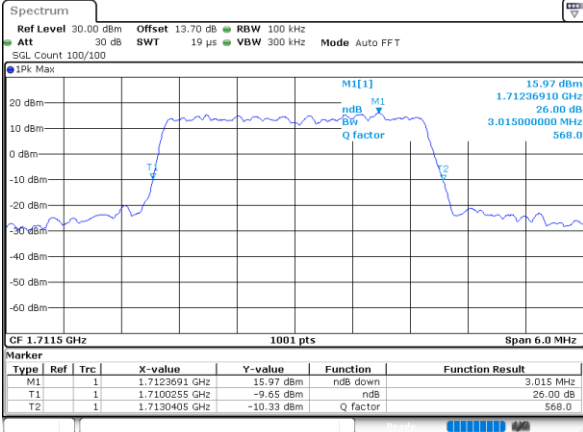


Date: 30 JUN 2022 10:37:04



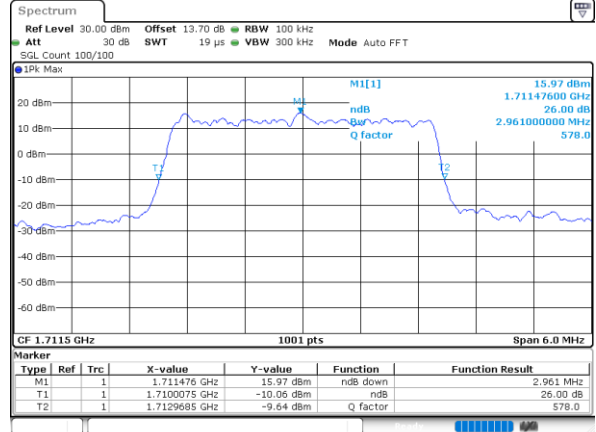
LTE Band 4

Lowest Channel / 3MHz / QPSK



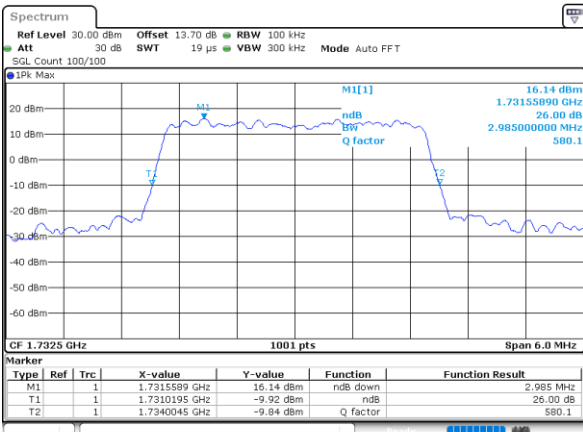
Date: 29 JUN 2022 10:52:20

Lowest Channel / 3MHz / 16QAM



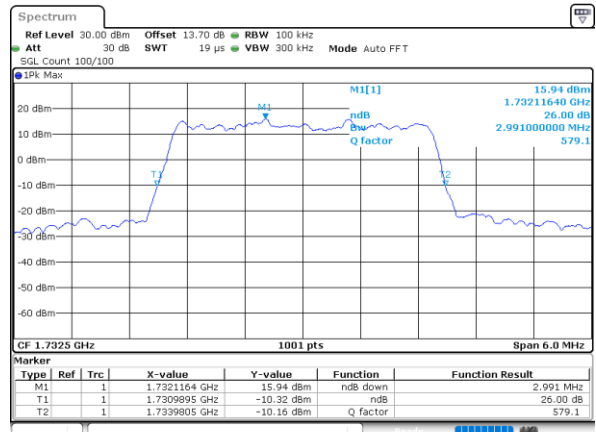
Date: 29 JUN 2022 10:52:52

Middle Channel / 3MHz / QPSK



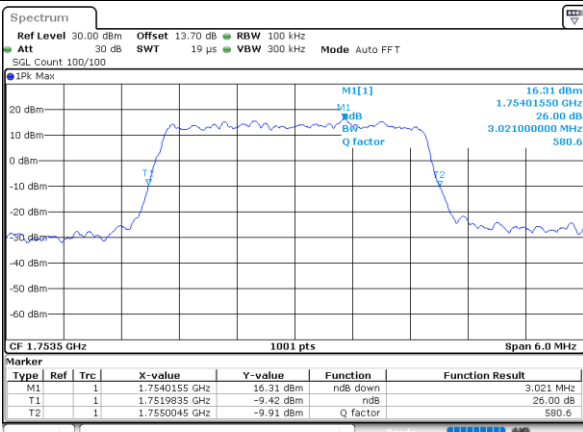
Date: 29 JUN 2022 10:59:54

Middle Channel / 3MHz / 16QAM



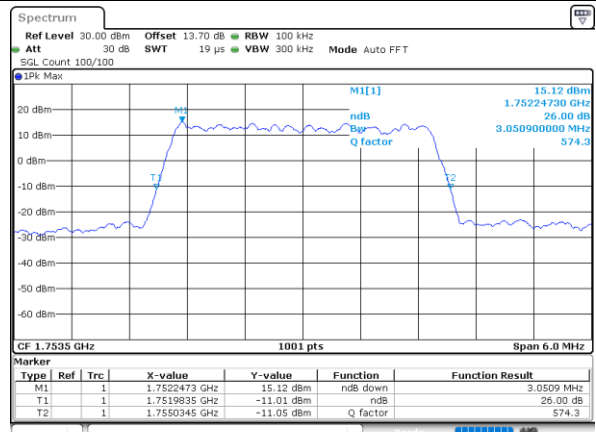
Date: 29 JUN 2022 11:00:17

Highest Channel / 3MHz / QPSK



Date: 29 JUN 2022 11:03:09

Highest Channel / 3MHz / 16QAM

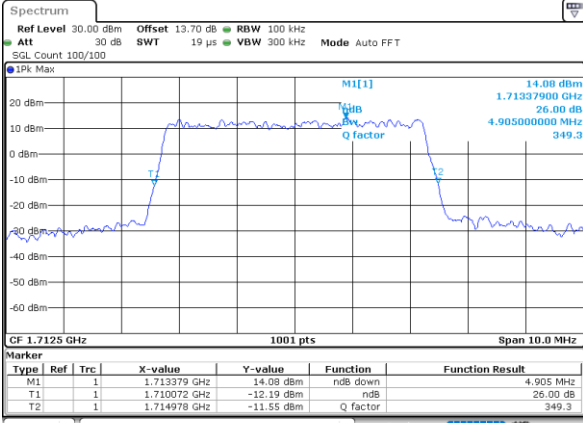


Date: 29 JUN 2022 11:03:33



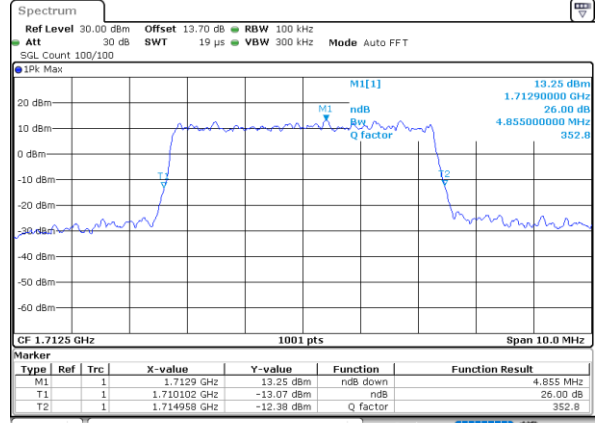
LTE Band 4

Lowest Channel / 5MHz / QPSK



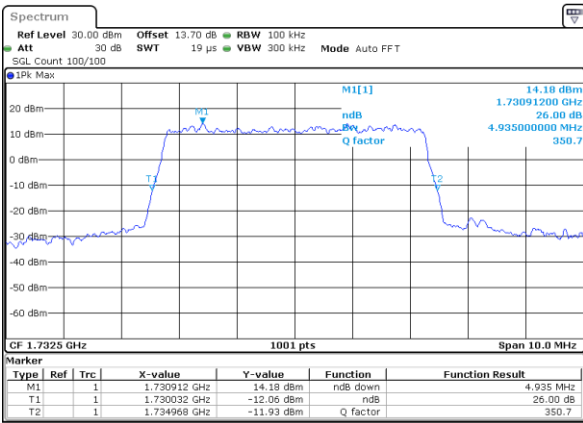
Date: 29_JUN,2022 11:10:36

Lowest Channel / 5MHz / 16QAM



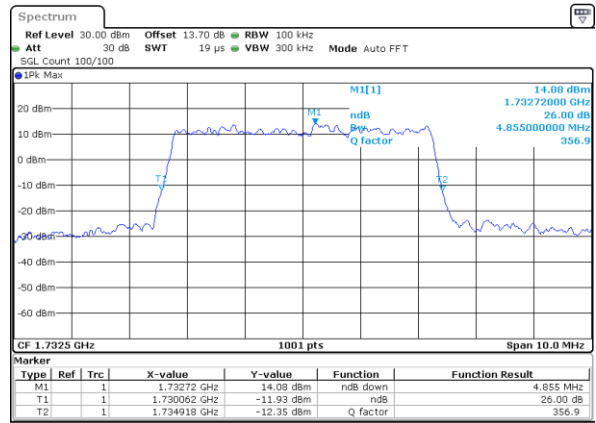
Date: 29_JUN,2022 11:11:00

Middle Channel / 5MHz / QPSK



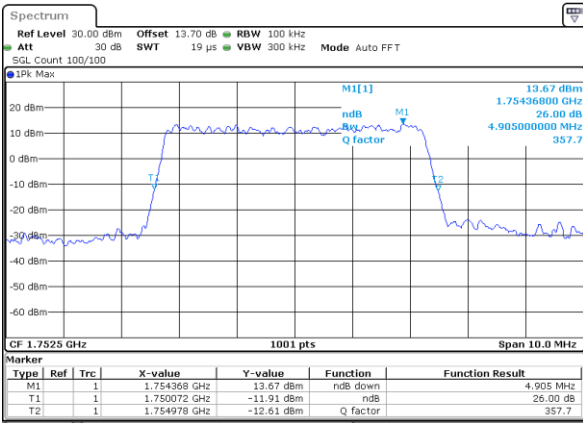
Date: 29_JUN,2022 11:18:02

Middle Channel / 5MHz / 16QAM



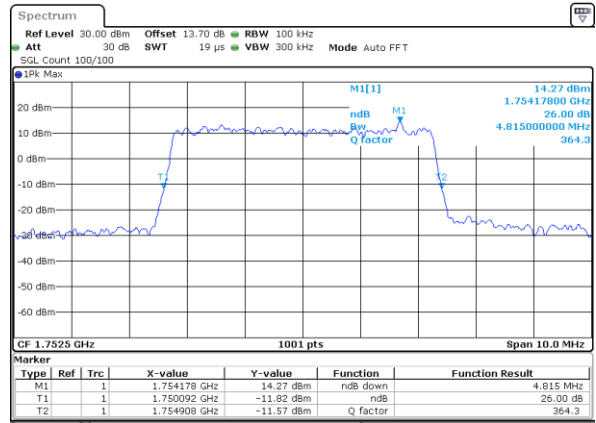
Date: 29_JUN,2022 11:18:25

Highest Channel / 5MHz / QPSK



Date: 29_JUN,2022 11:21:17

Highest Channel / 5MHz / 16QAM

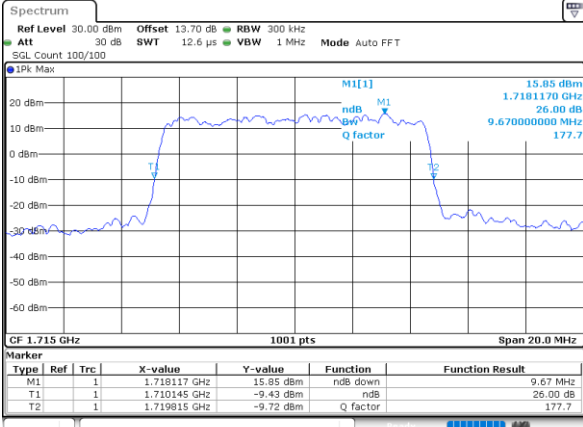


Date: 29_JUN,2022 11:21:40



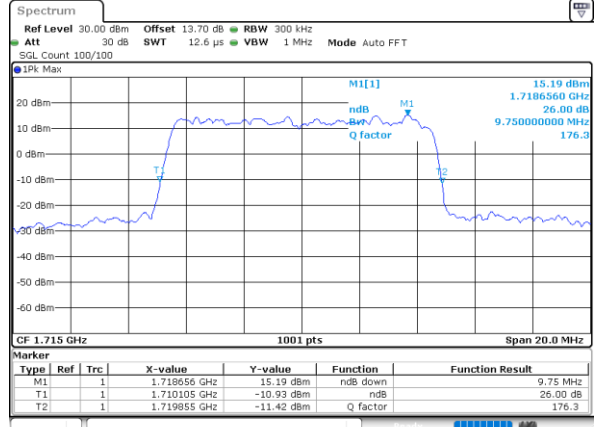
LTE Band 4

Lowest Channel / 10MHz / QPSK



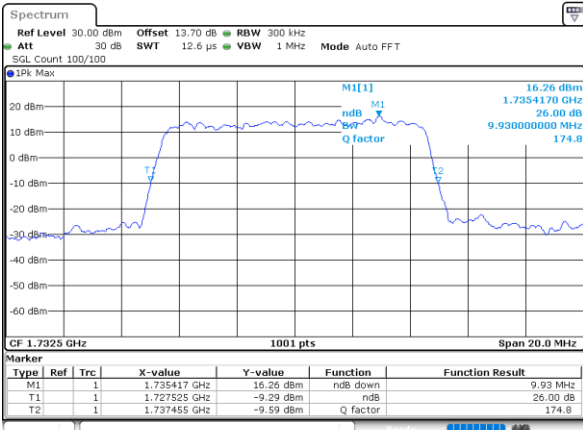
Date: 29_JUN,2022 11:28:44

Lowest Channel / 10MHz / 16QAM



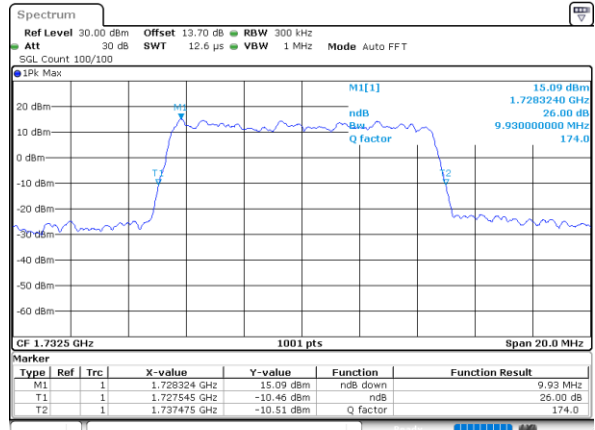
Date: 29_JUN,2022 11:29:08

Middle Channel / 10MHz / QPSK



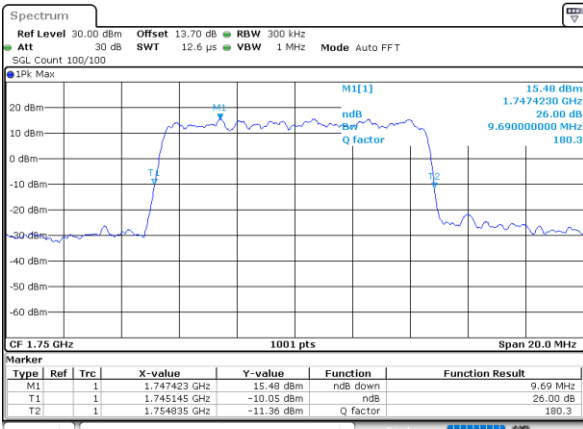
Date: 29_JUN,2022 11:36:09

Middle Channel / 10MHz / 16QAM



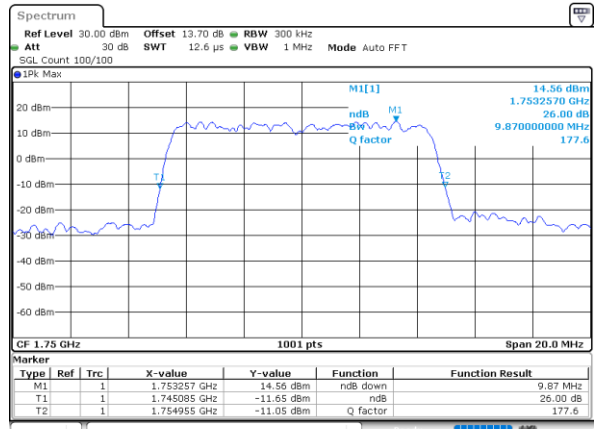
Date: 29_JUN,2022 11:36:12

Highest Channel / 10MHz / QPSK



Date: 29_JUN,2022 11:39:24

Highest Channel / 10MHz / 16QAM



Date: 29_JUN,2022 11:39:48