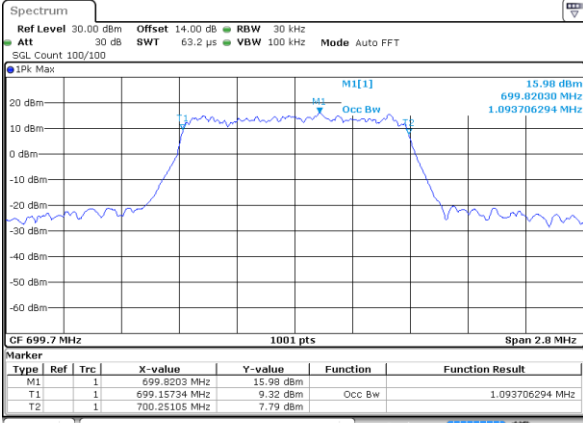




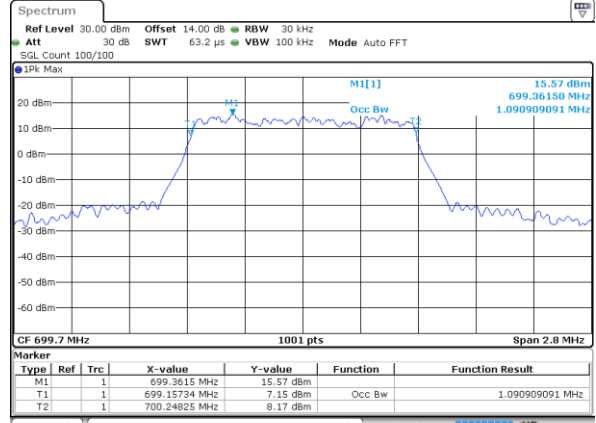
LTE Band 12

Lowest Channel / 1.4MHz / QPSK



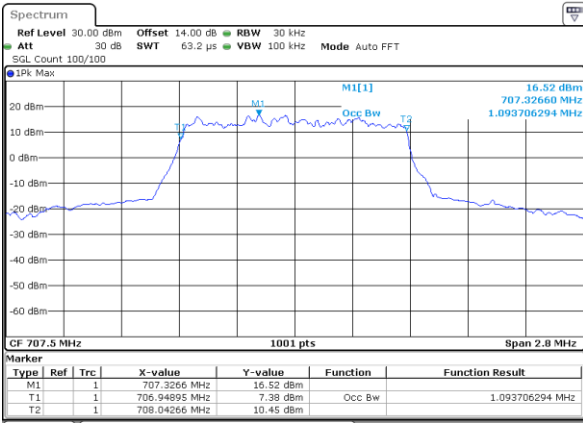
Date: 10 MAY 2023 17:34:08

Lowest Channel / 1.4MHz / 16QAM



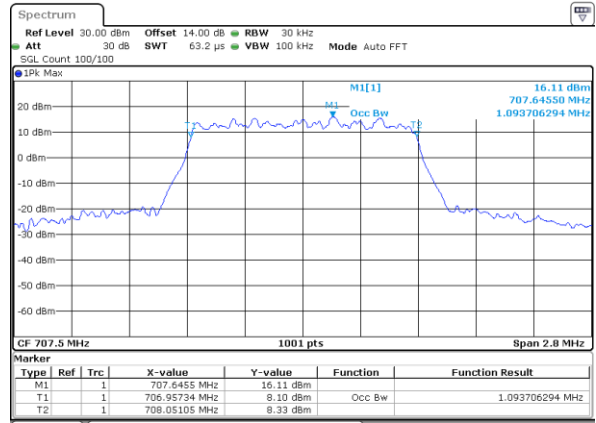
Date: 10 MAY 2023 17:34:32

Middle Channel / 1.4MHz / QPSK



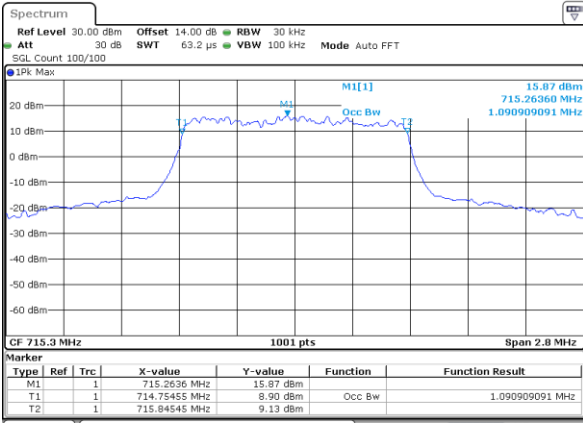
Date: 10 MAY 2023 17:40:57

Middle Channel / 1.4MHz / 16QAM



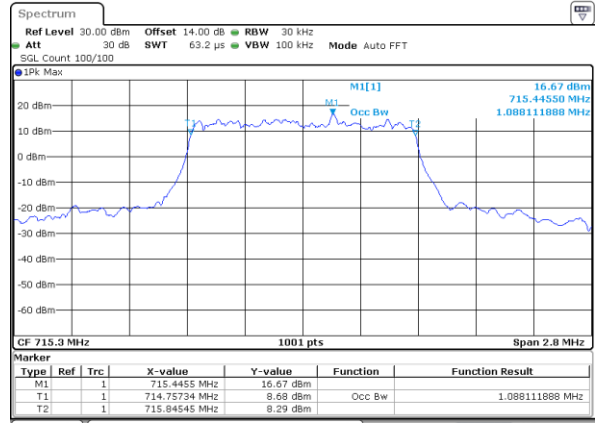
Date: 10 MAY 2023 17:40:34

Highest Channel / 1.4MHz / QPSK



Date: 10 MAY 2023 17:43:44

Highest Channel / 1.4MHz / 16QAM

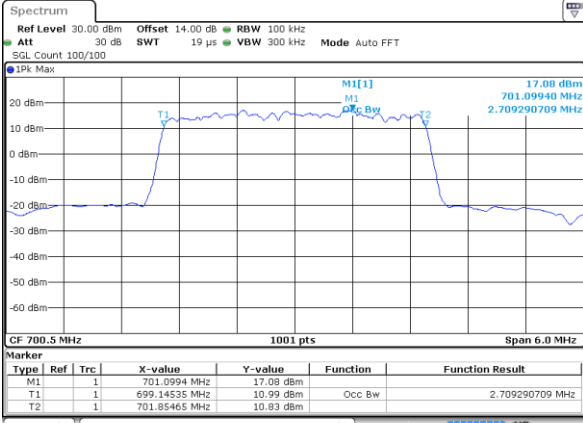


Date: 10 MAY 2023 17:44:08



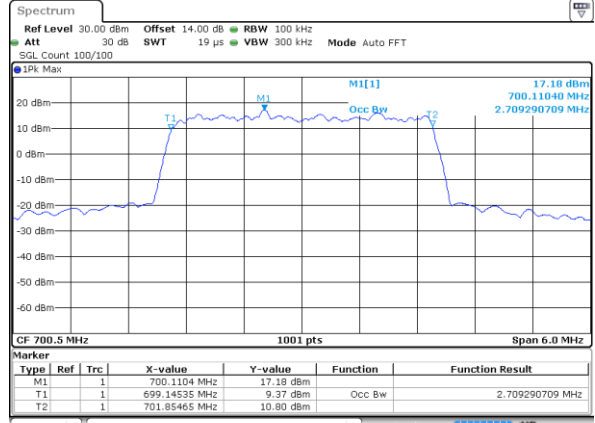
LTE Band 12

Lowest Channel / 3MHz / QPSK



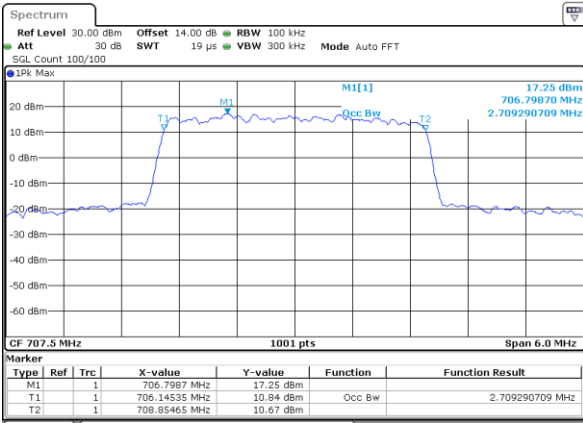
Date: 10 MAY 2023 17:50:20

Lowest Channel / 3MHz / 16QAM



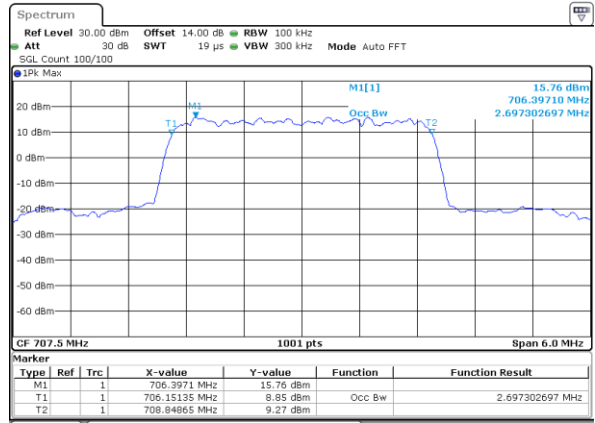
Date: 10 MAY 2023 17:50:44

Middle Channel / 3MHz / QPSK



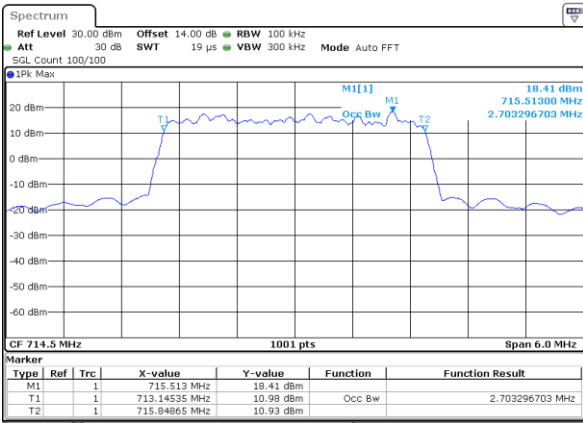
Date: 10 MAY 2023 17:57:09

Middle Channel / 3MHz / 16QAM



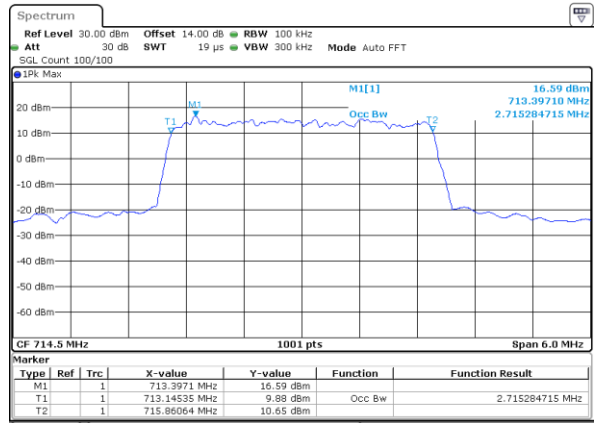
Date: 10 MAY 2023 17:56:48

Highest Channel / 3MHz / QPSK



Date: 10 MAY 2023 17:59:58

Highest Channel / 3MHz / 16QAM

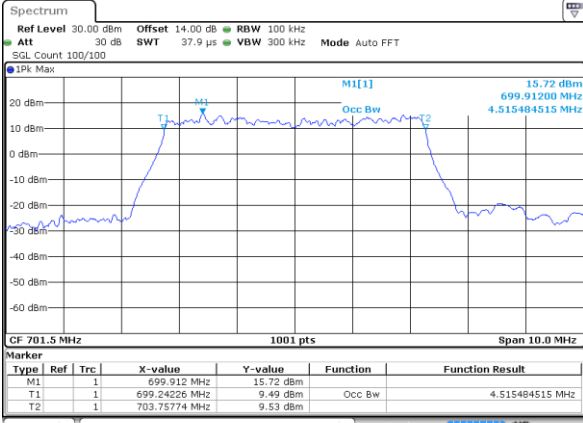


Date: 10 MAY 2023 18:00:22



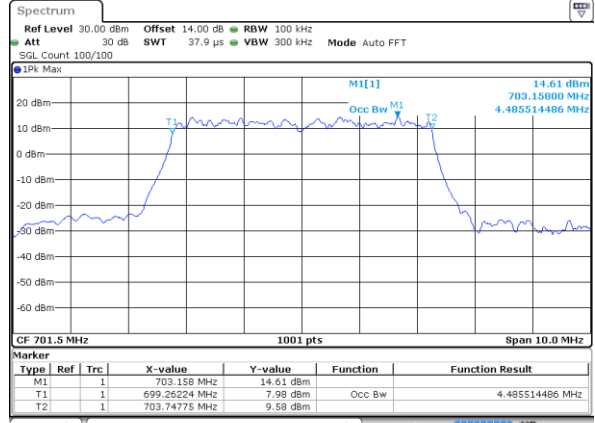
LTE Band 12

Lowest Channel / 5MHz / QPSK



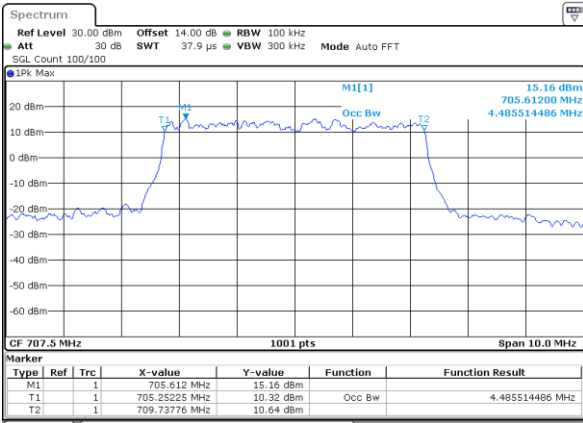
Date: 10 MAY 2023 18:08:35

Lowest Channel / 5MHz / 16QAM



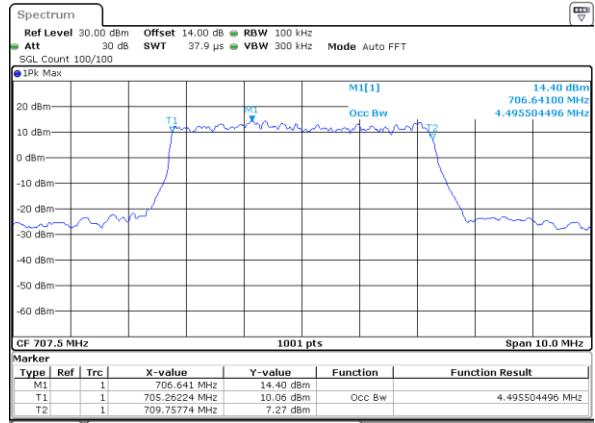
Date: 10 MAY 2023 18:08:59

Middle Channel / 5MHz / QPSK



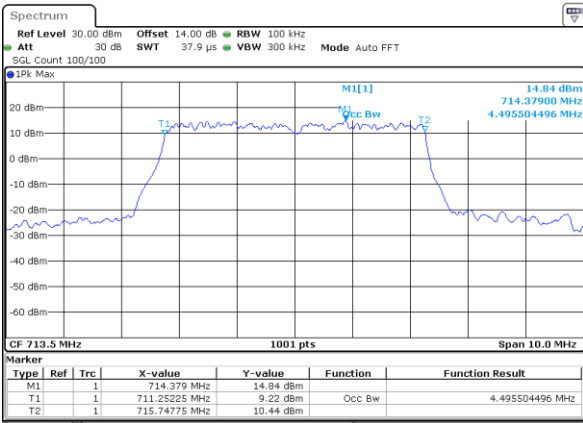
Date: 10 MAY 2023 18:17:26

Middle Channel / 5MHz / 16QAM



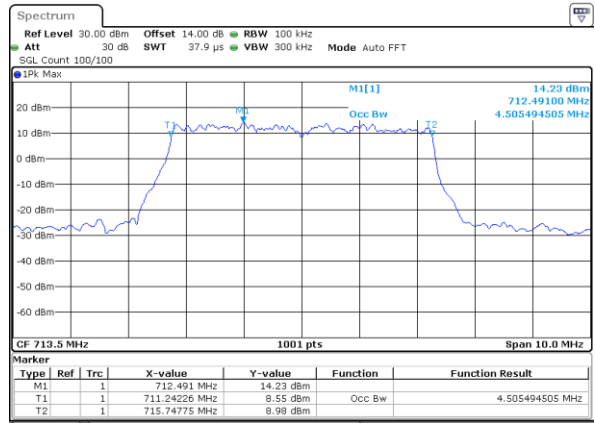
Date: 10 MAY 2023 18:17:02

Highest Channel / 5MHz / QPSK



Date: 10 MAY 2023 18:21:33

Highest Channel / 5MHz / 16QAM

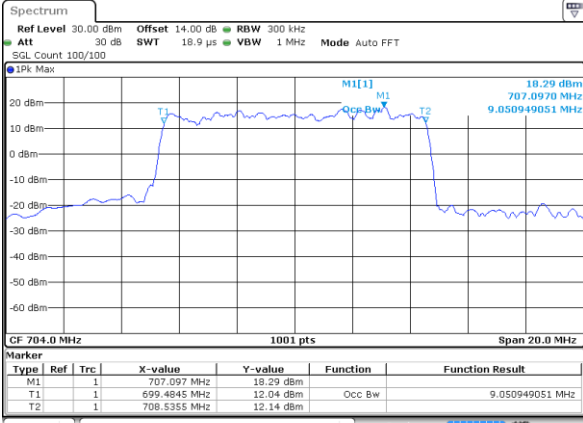


Date: 10 MAY 2023 18:21:57



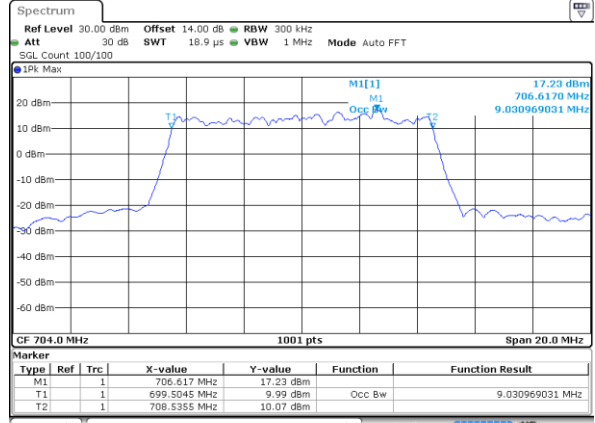
LTE Band 12

Lowest Channel / 10MHz / QPSK



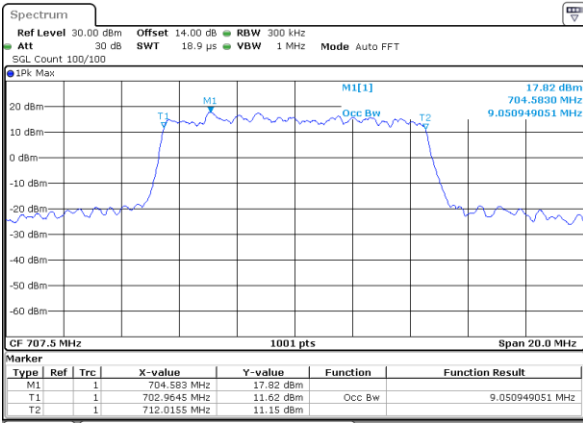
Date: 10 MAY 2023 18:30:10

Lowest Channel / 10MHz / 16QAM



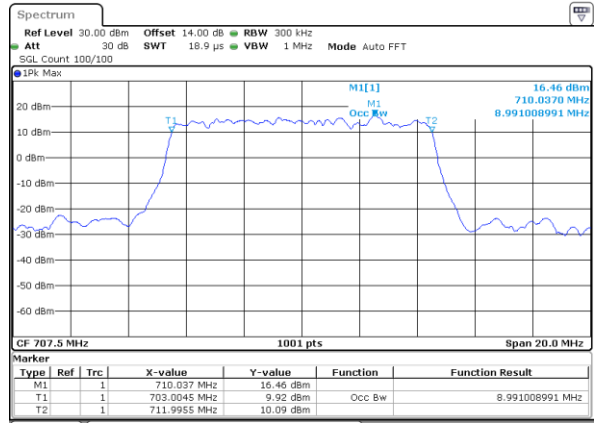
Date: 10 MAY 2023 18:30:33

Middle Channel / 10MHz / QPSK



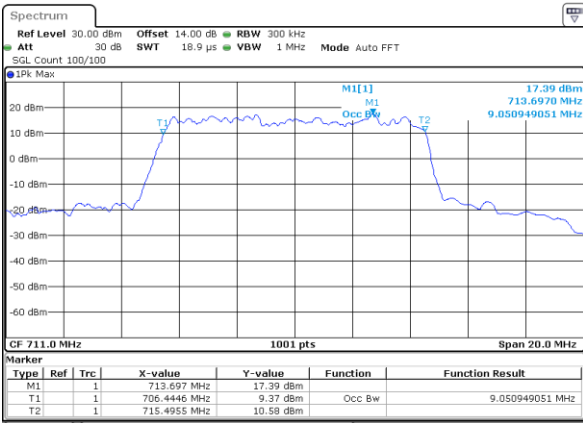
Date: 10 MAY 2023 18:38:58

Middle Channel / 10MHz / 16QAM



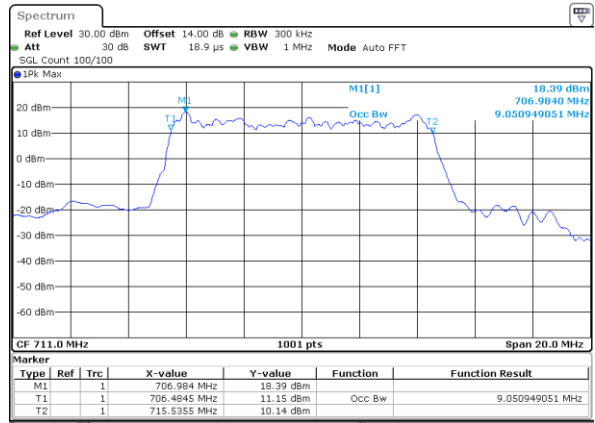
Date: 10 MAY 2023 18:38:35

Highest Channel / 10MHz / QPSK



Date: 10 MAY 2023 18:43:05

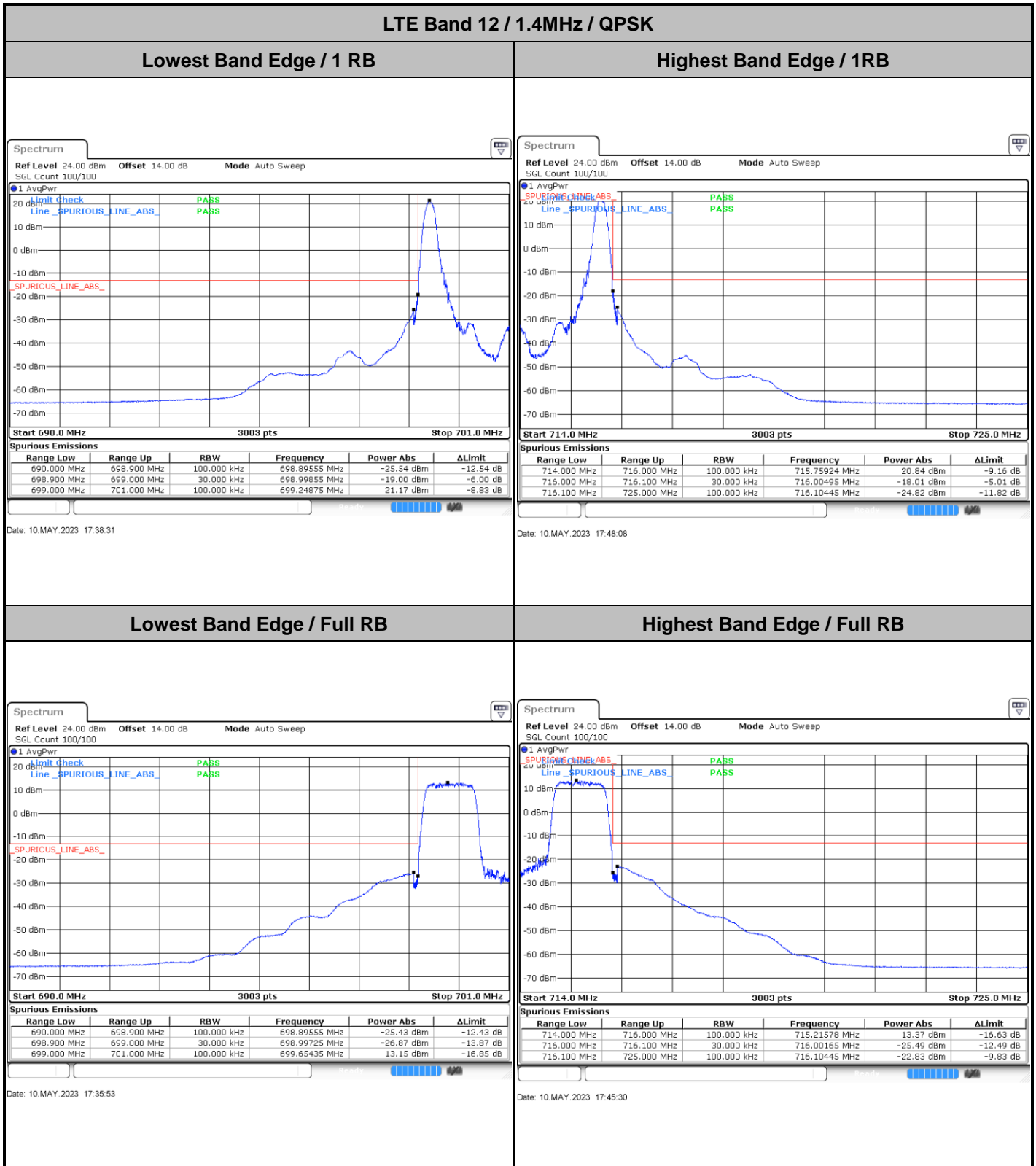
Highest Channel / 10MHz / 16QAM



Date: 10 MAY 2023 18:43:29



# Conducted Band Edge

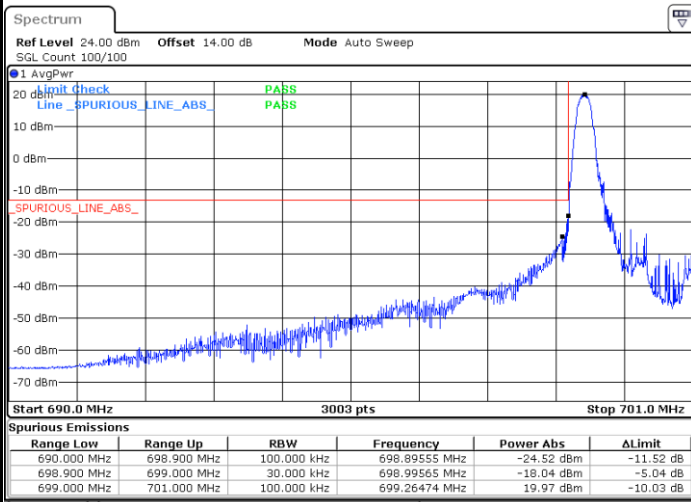




LTE Band 12 / 1.4MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

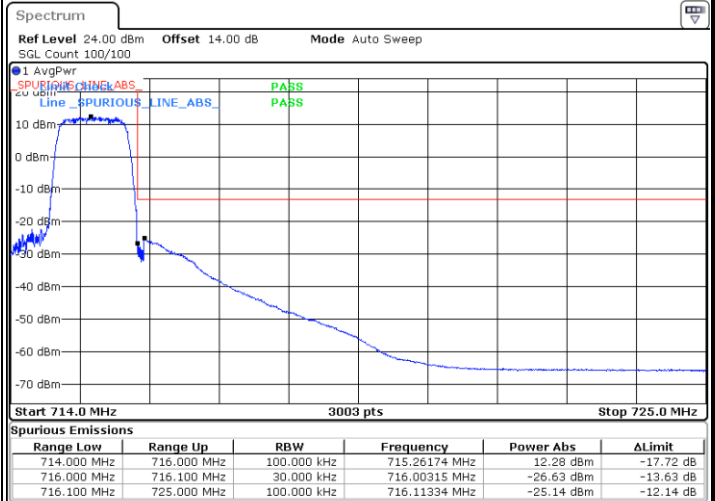
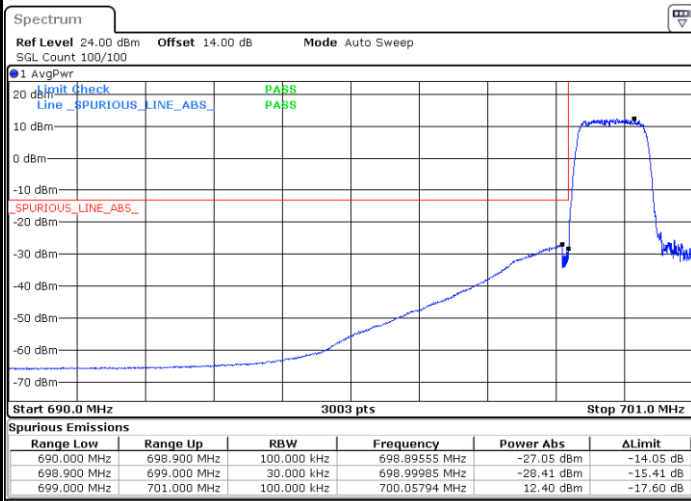


Date: 10.MAY.2023 17:37:38

Date: 10.MAY.2023 17:47:16

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



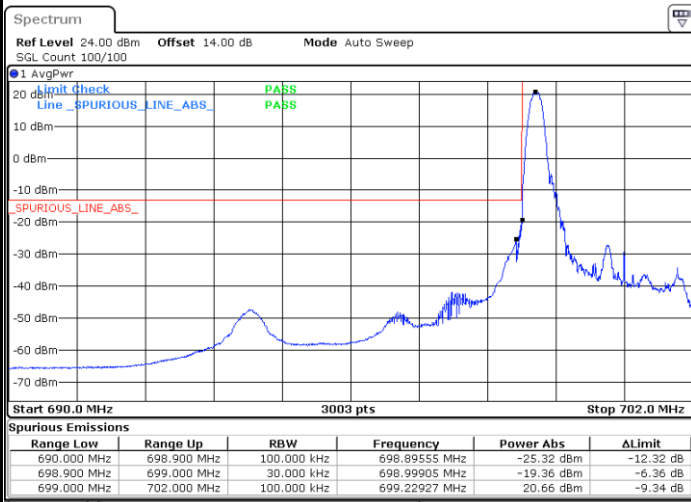
Date: 10.MAY.2023 17:36:46

Date: 10.MAY.2023 17:46:23



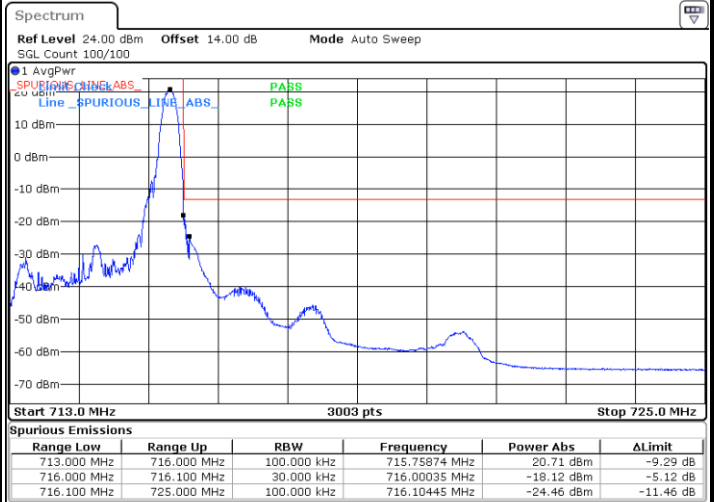
LTE Band 12 / 3MHz / QPSK

Lowest Band Edge / 1RB



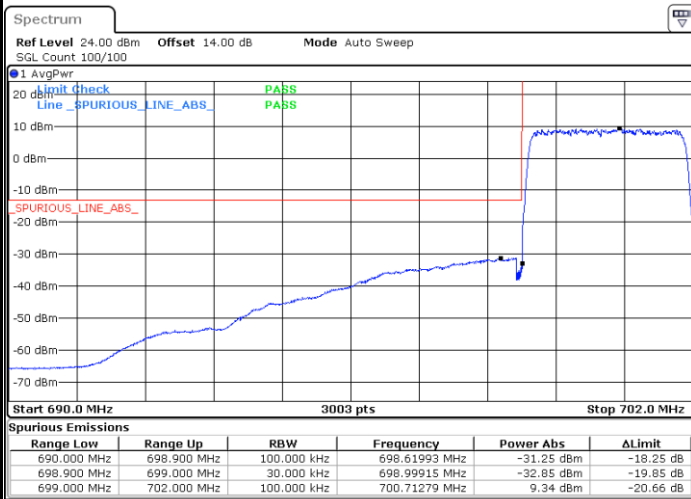
Date: 10.MAY.2023 17:54:44

Highest Band Edge / 1 RB



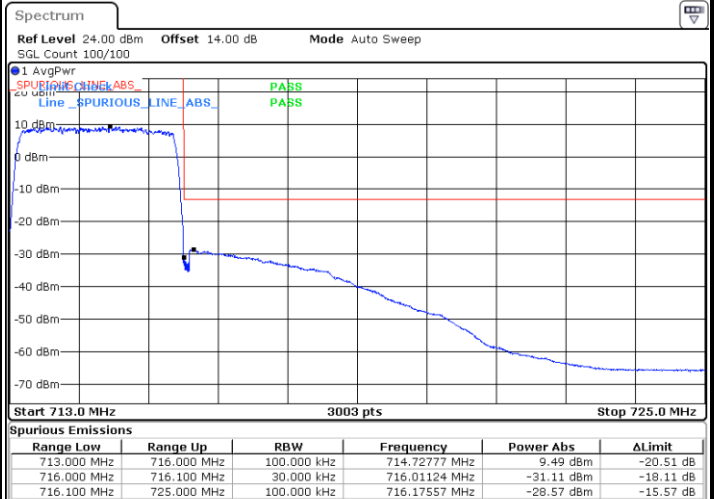
Date: 10.MAY.2023 18:05:03

Lowest Band Edge / Full RB



Date: 10.MAY.2023 17:52:05

Highest Band Edge / Full RB

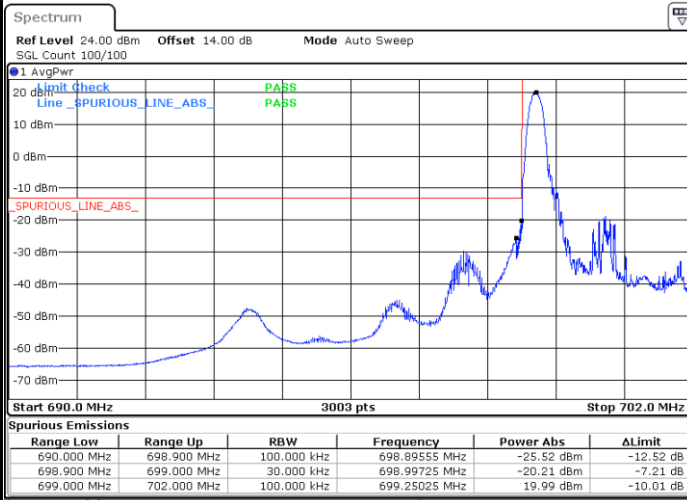


Date: 10.MAY.2023 18:01:53



LTE Band 12 / 3MHz / 16QAM

Lowest Band Edge / 1 RB



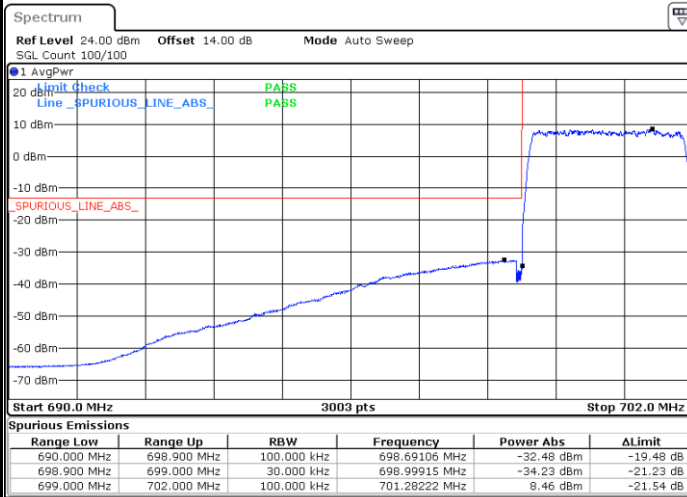
Date: 10.MAY.2023 17:53:51

Highest Band Edge / 1 RB



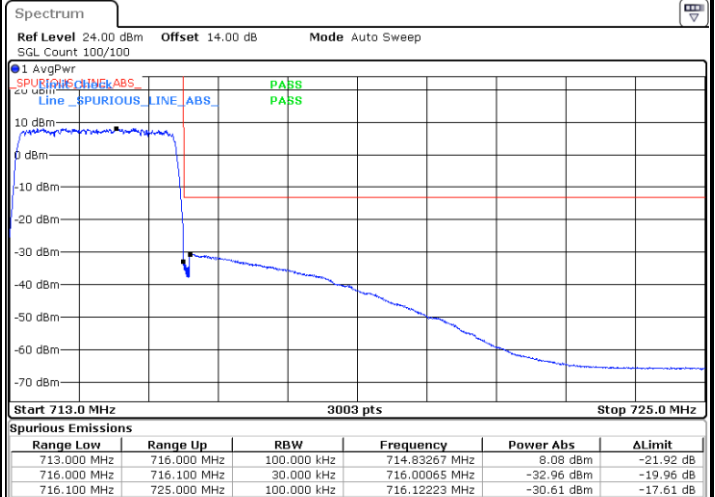
Date: 10.MAY.2023 18:03:59

Lowest Band Edge / Full RB



Date: 10.MAY.2023 17:52:59

Highest Band Edge / Full RB



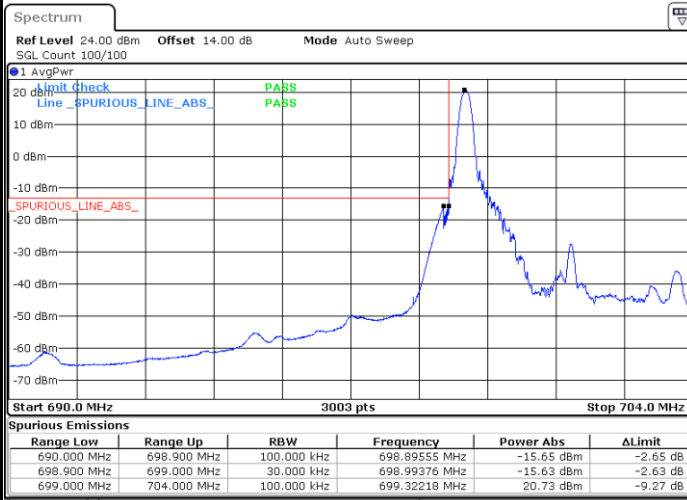
Date: 10.MAY.2023 18:02:56





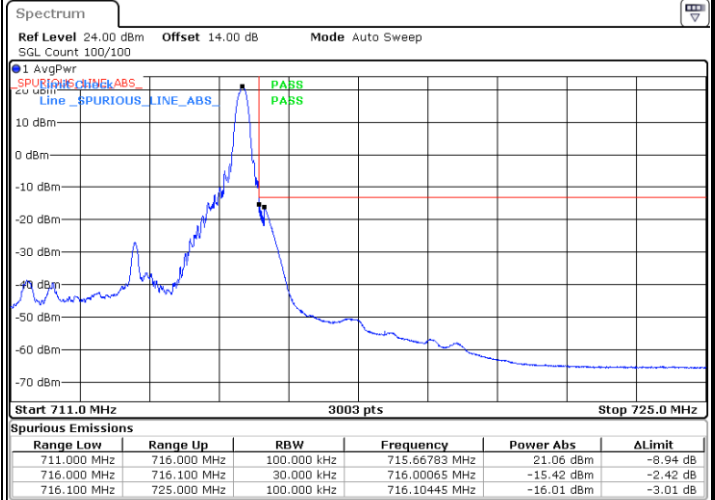
LTE Band 12 / 5MHz / QPSK

Lowest Band Edge / 1 RB



Date: 10.MAY.2023 18:13:40

Highest Band Edge / 1 RB



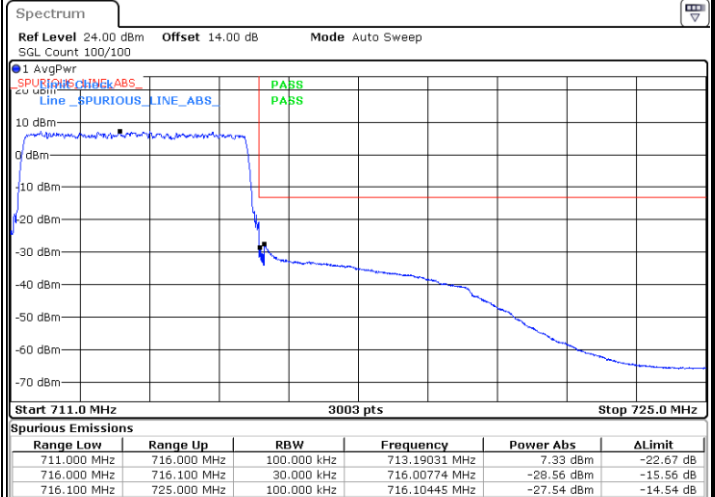
Date: 10.MAY.2023 18:25:34

Lowest Band Edge / Full RB



Date: 10.MAY.2023 18:10:32

Highest Band Edge / Full RB

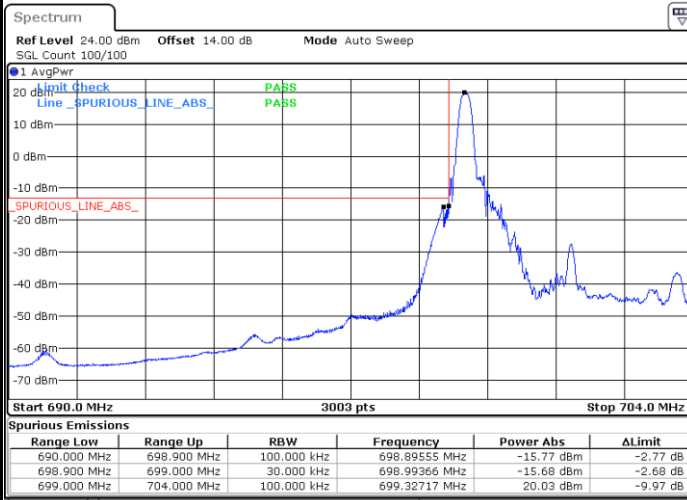


Date: 10.MAY.2023 18:23:28



LTE Band 12 / 5MHz / 16QAM

Lowest Band Edge / 1RB



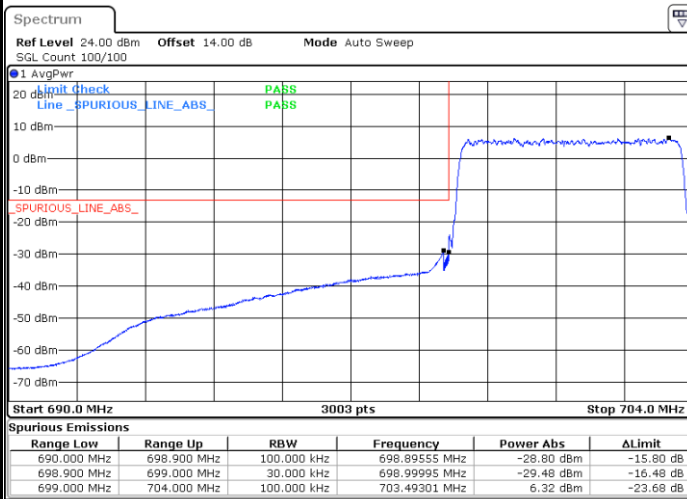
Date: 10.MAY.2023 18:12:38

Highest Band Edge / 1 RB



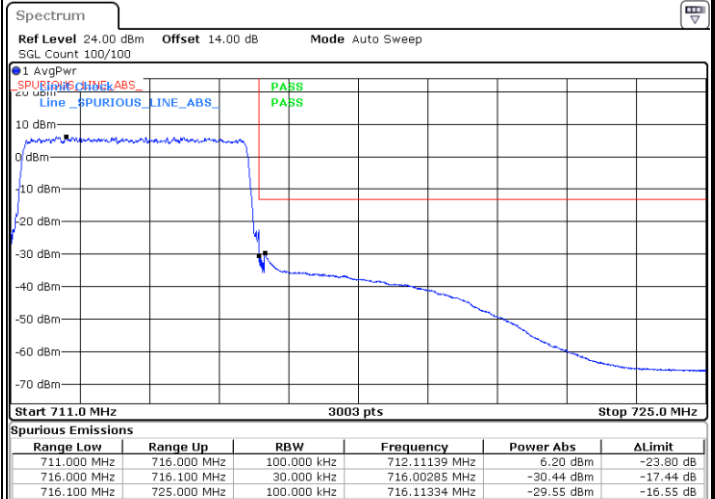
Date: 10.MAY.2023 18:26:37

Lowest Band Edge / Full RB



Date: 10.MAY.2023 18:11:34

Highest Band Edge / Full RB

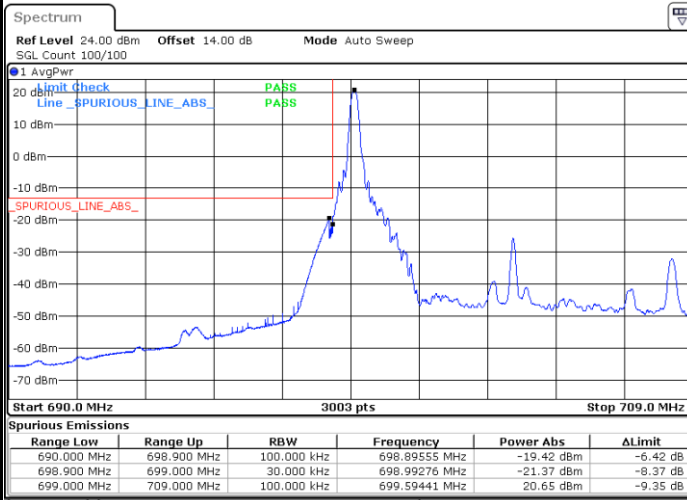


Date: 10.MAY.2023 18:24:31



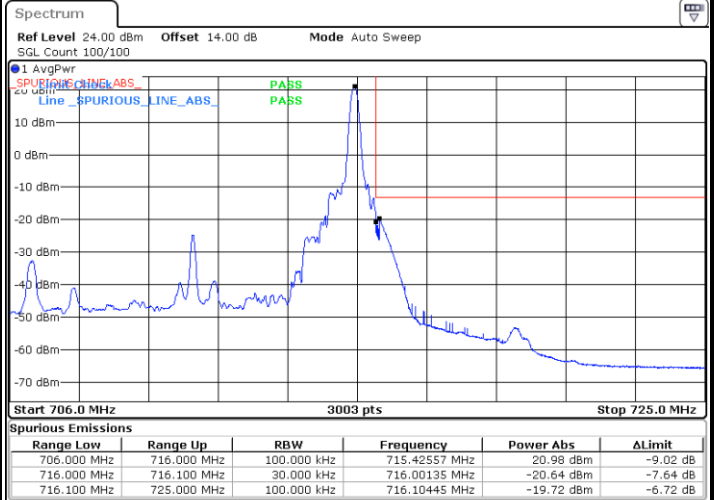
LTE Band 12 / 10MHz / QPSK

Lowest Band Edge / 1 RB



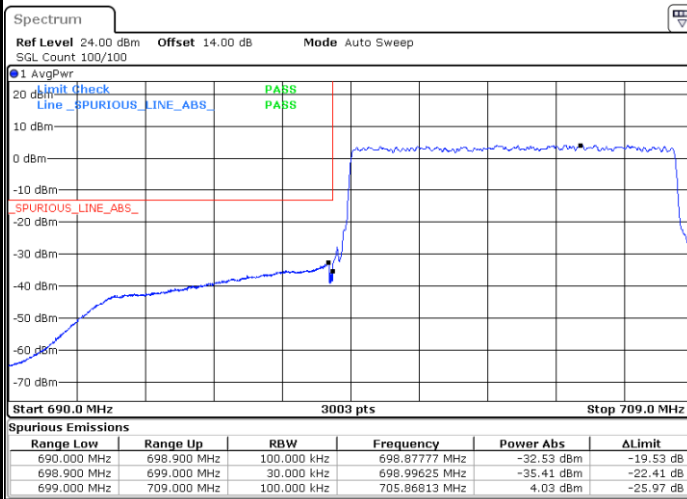
Date: 10.MAY.2023 18:35:13

Highest Band Edge / 1 RB



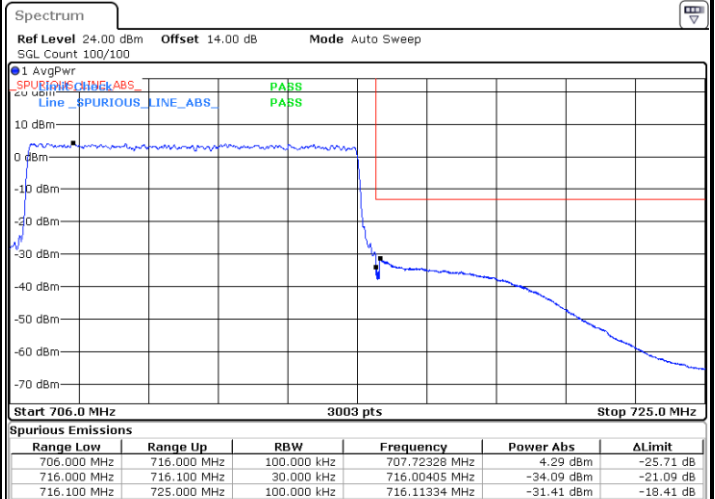
Date: 10.MAY.2023 18:48:09

Lowest Band Edge / Full RB



Date: 10.MAY.2023 18:32:05

Highest Band Edge / Full RB

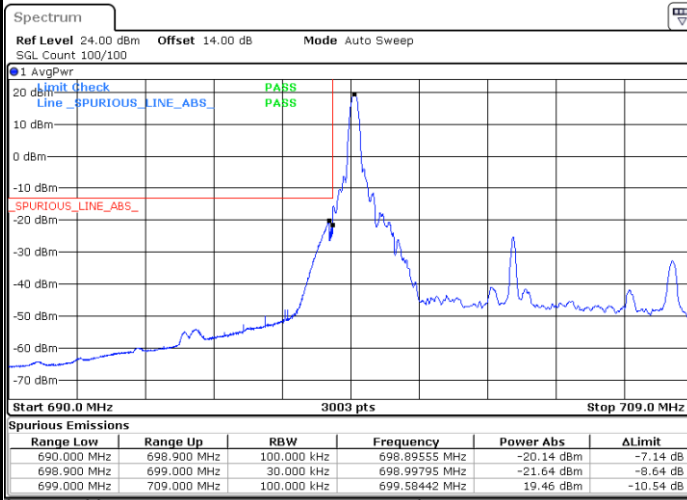


Date: 10.MAY.2023 18:45:01



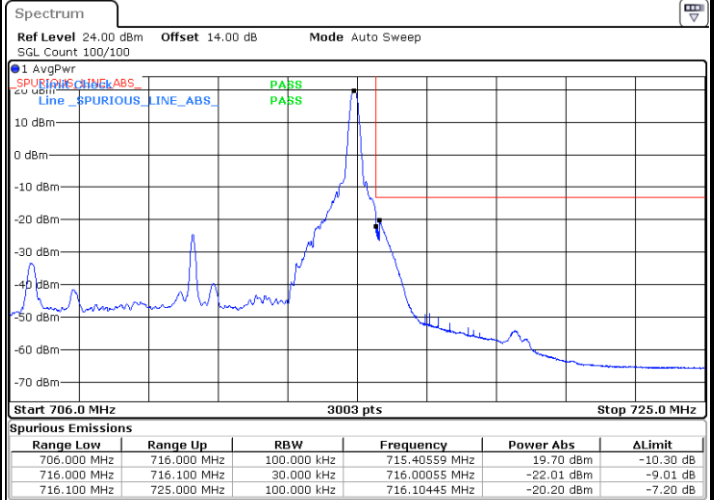
LTE Band 12 / 10MHz / 16QAM

Lowest Band Edge / 1 RB



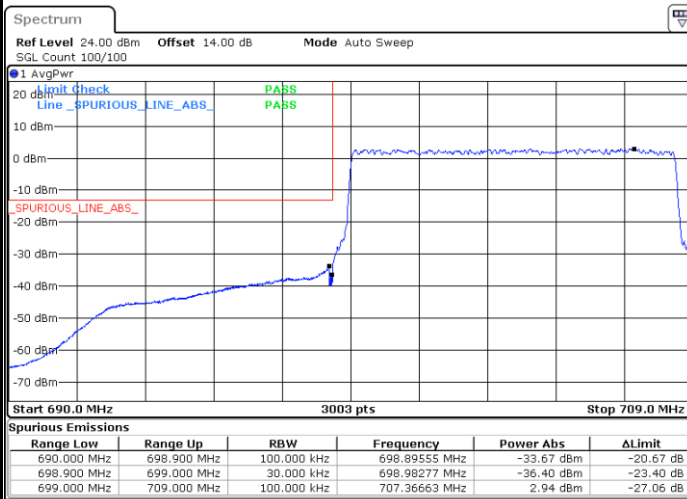
Date: 10.MAY.2023 18:34:10

Highest Band Edge / 1 RB



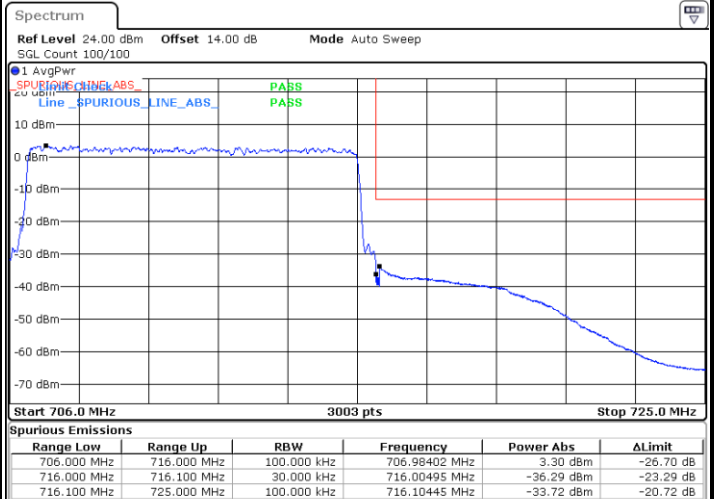
Date: 10.MAY.2023 18:47:07

Lowest Band Edge / Full RB



Date: 10.MAY.2023 18:33:07

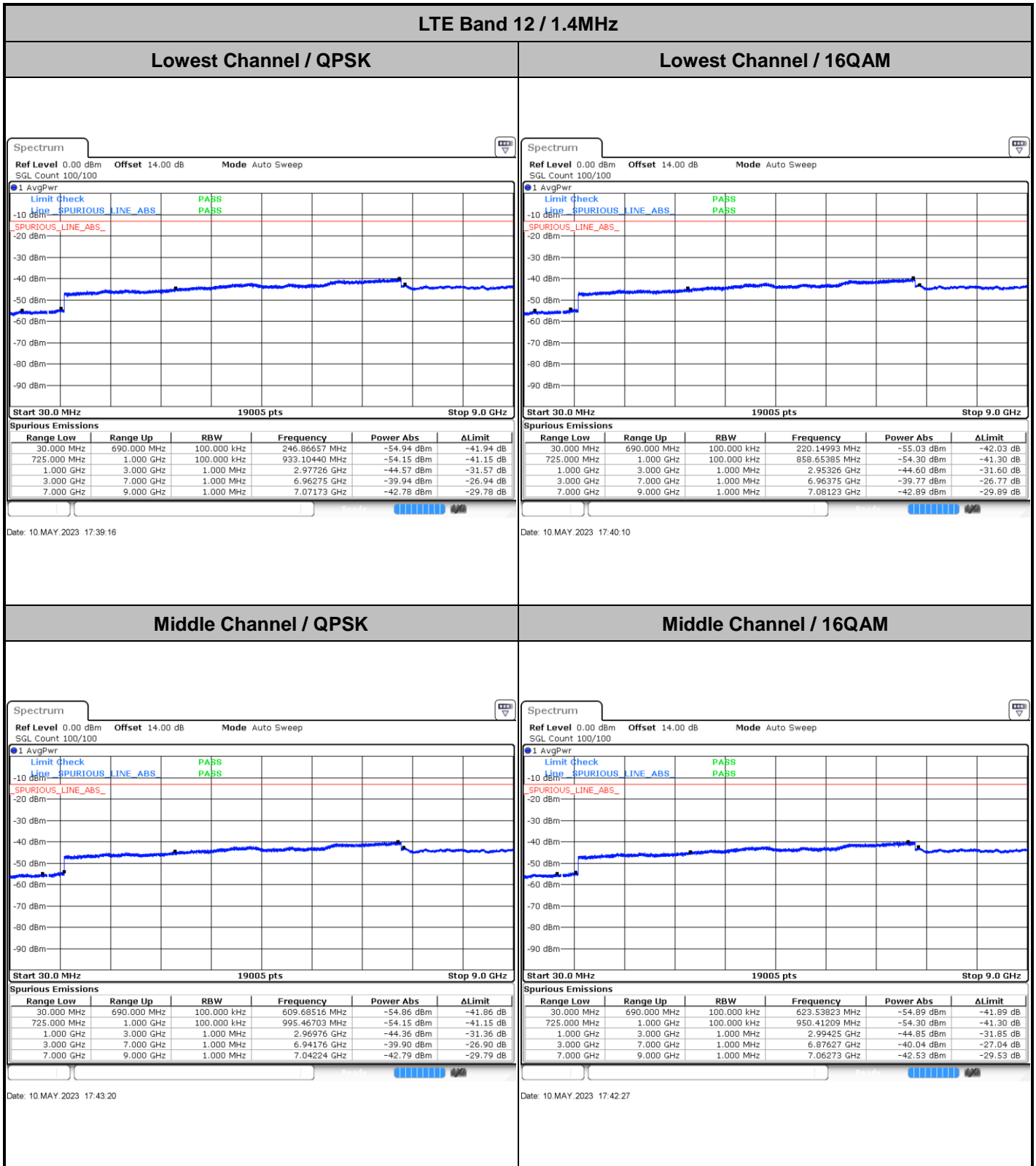
Highest Band Edge / Full RB



Date: 10.MAY.2023 18:46:04



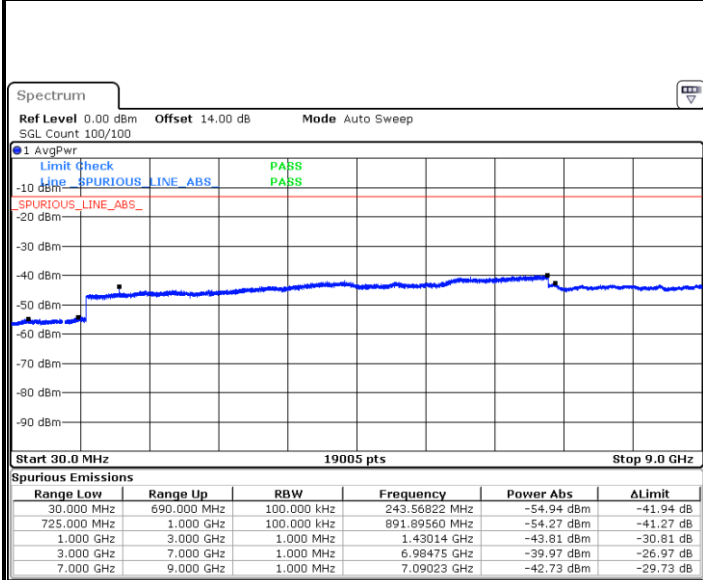
# Conducted Spurious Emission





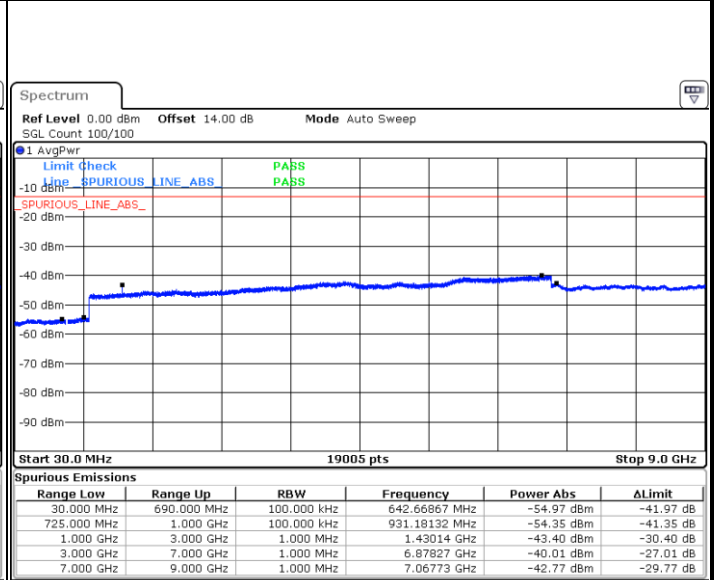
LTE Band 12 / 1.4MHz

Highest Channel / QPSK



Date: 10.MAY.2023 17:49:03

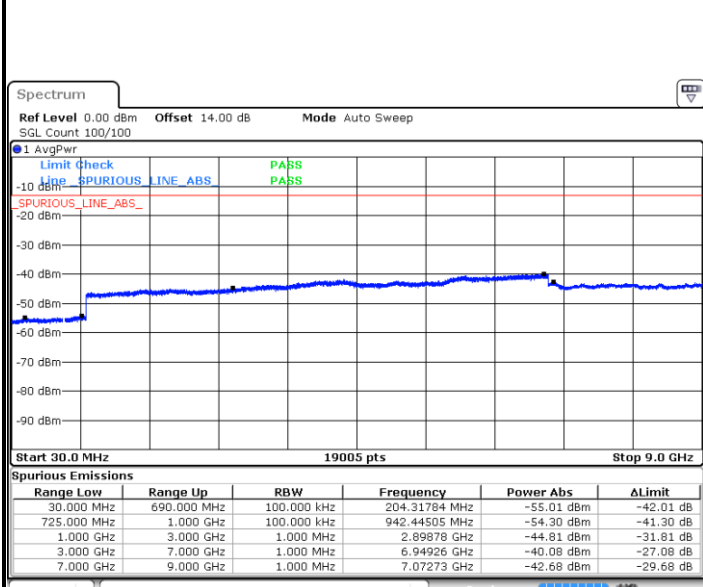
Highest Channel / 16QAM



Date: 10.MAY.2023 17:49:56

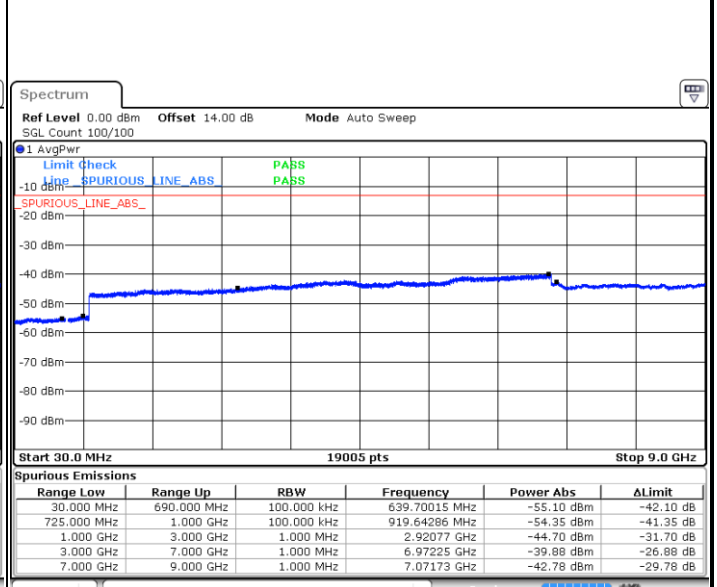
LTE Band 12 / 3MHz

Lowest Channel / QPSK



Date: 10.MAY.2023 17:55:29

Lowest Channel / 16QAM



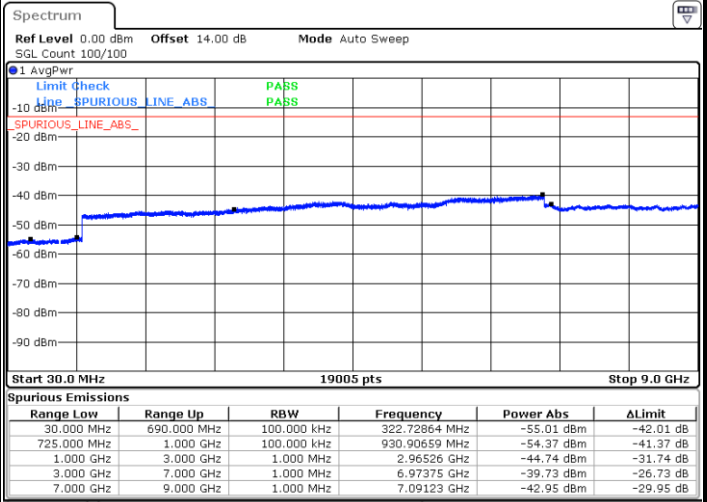
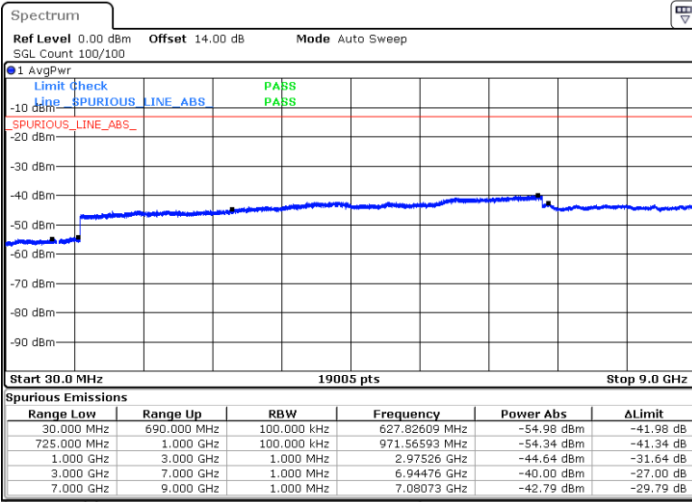
Date: 10.MAY.2023 17:56:23



LTE Band 12 / 3MHz

Middle Channel / QPSK

Middle Channel / 16QAM

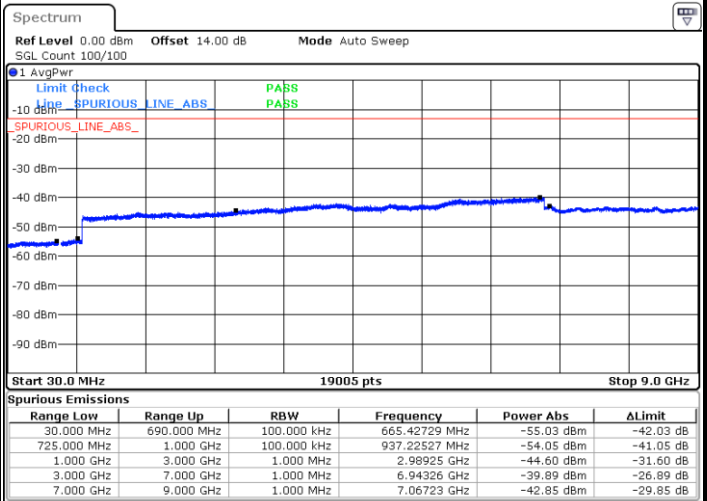
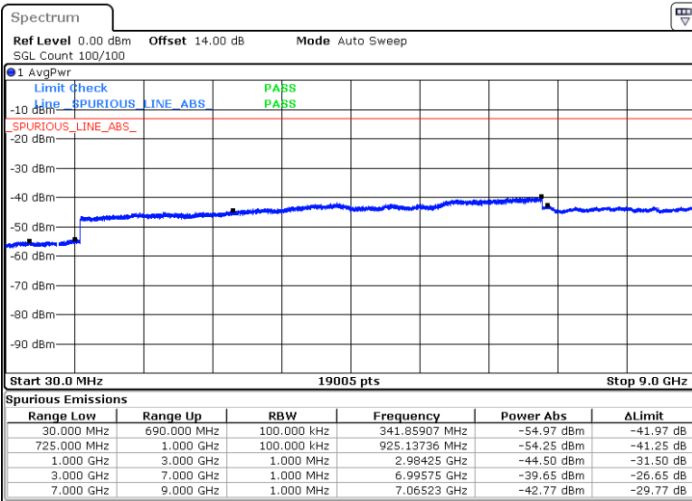


Date: 10.MAY.2023 17:59:35

Date: 10.MAY.2023 17:58:41

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.MAY.2023 18:06:37

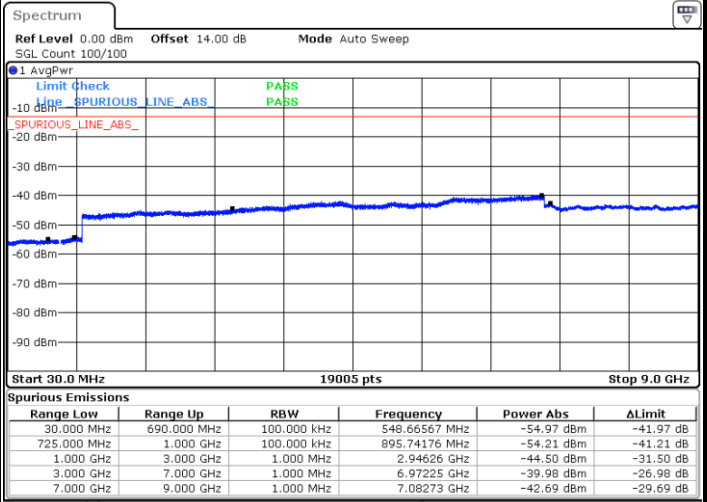
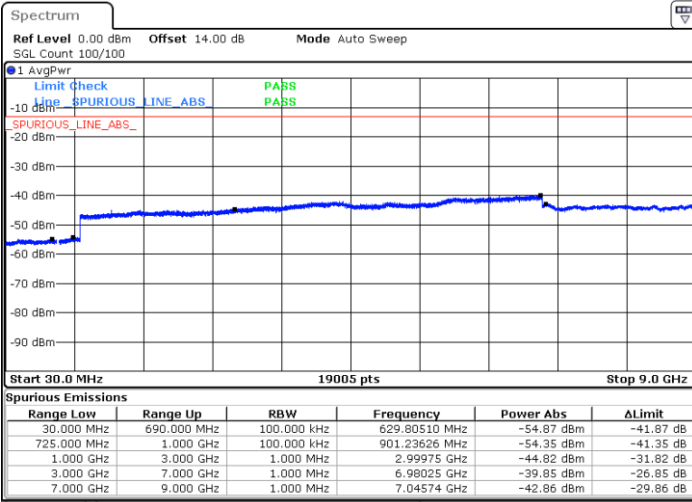
Date: 10.MAY.2023 18:08:11



LTE Band 12 / 5MHz

Lowest Channel / QPSK

Lowest Channel / 16QAM

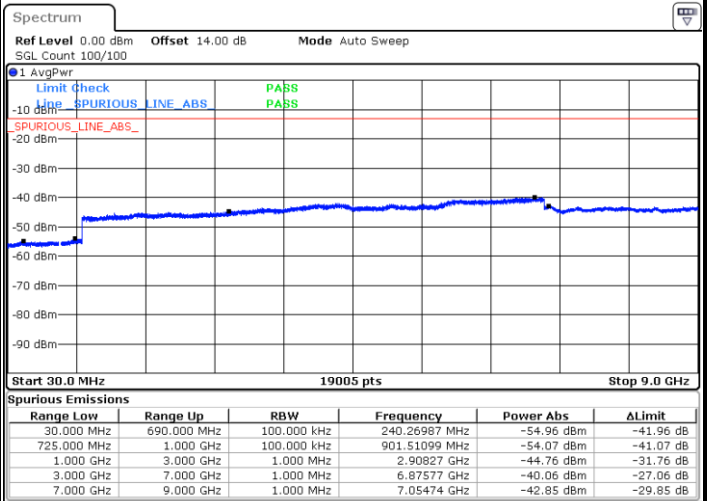
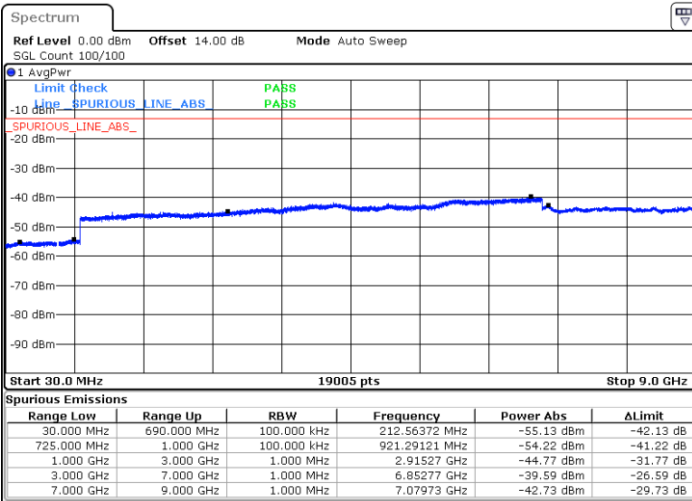


Date: 10.MAY.2023 18:15:04

Date: 10.MAY.2023 18:16:39

Middle Channel / QPSK

Middle Channel / 16QAM



Date: 10.MAY.2023 18:21:10

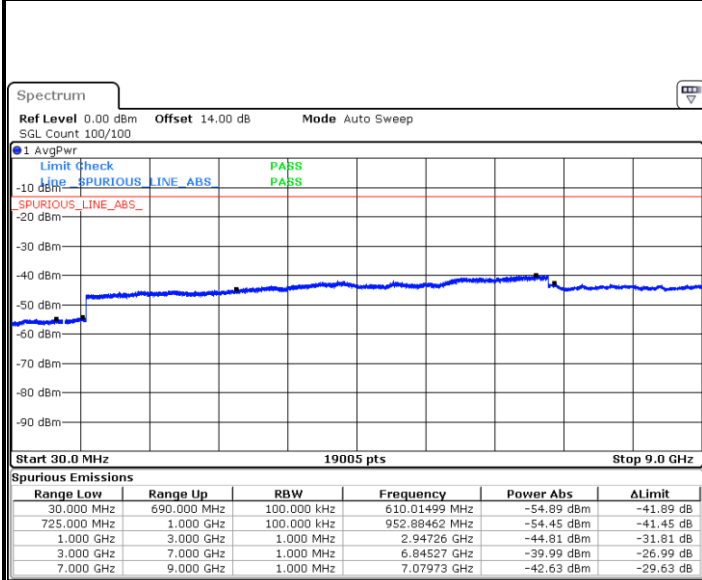
Date: 10.MAY.2023 18:19:37





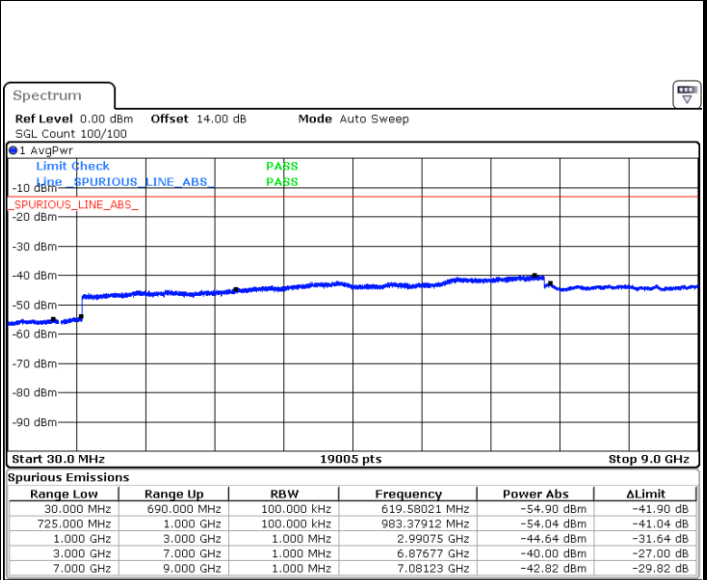
LTE Band 12 / 5MHz

Highest Channel / QPSK



Date: 10.MAY.2023 18:29:45

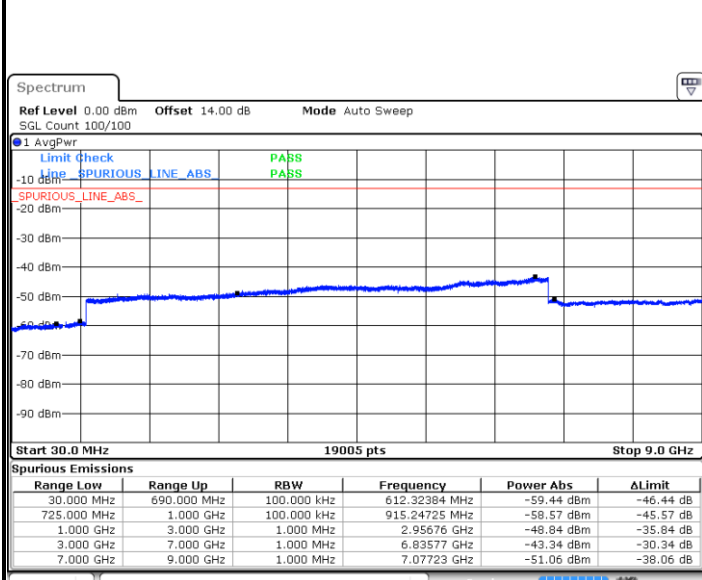
Highest Channel / 16QAM



Date: 10.MAY.2023 18:28:11

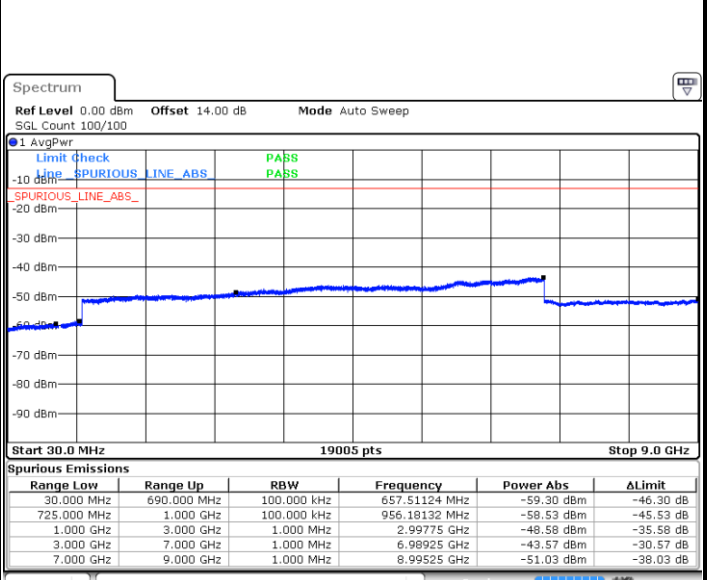
LTE Band 12 / 10MHz

Lowest Channel / QPSK



Date: 10.MAY.2023 18:36:37

Lowest Channel / 16QAM



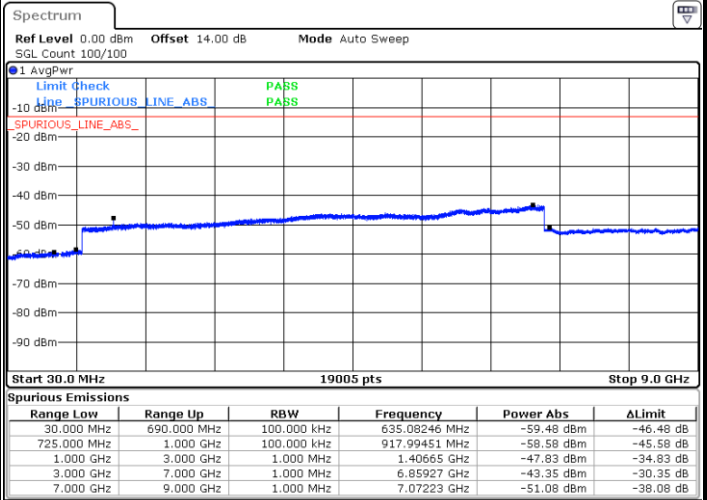
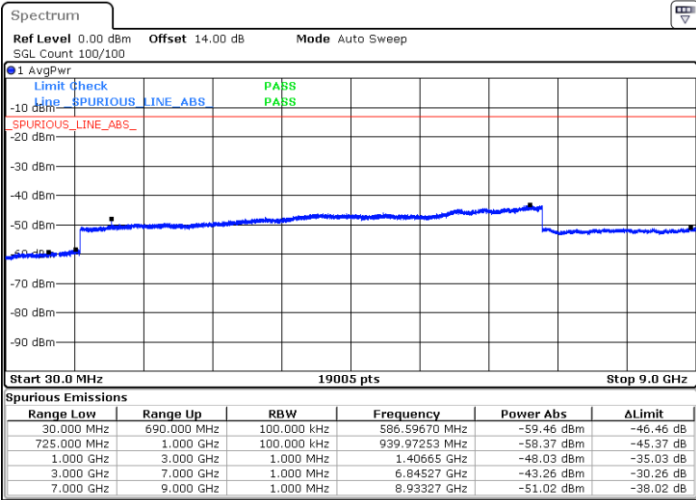
Date: 10.MAY.2023 18:38:11



LTE Band 12 / 10MHz

Middle Channel / QPSK

Middle Channel / 16QAM

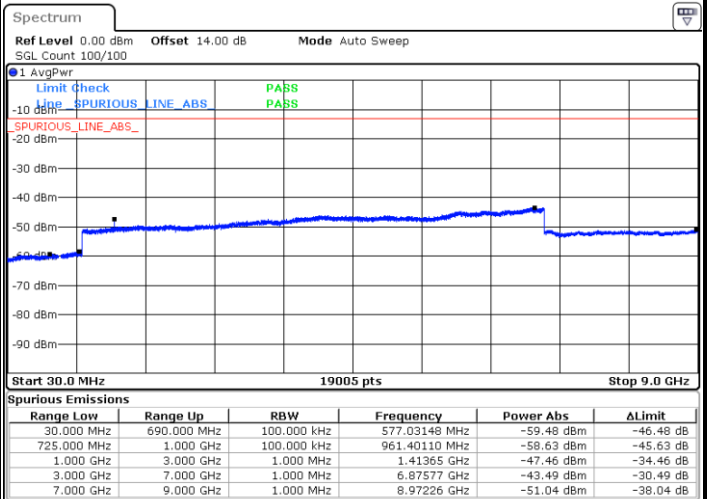
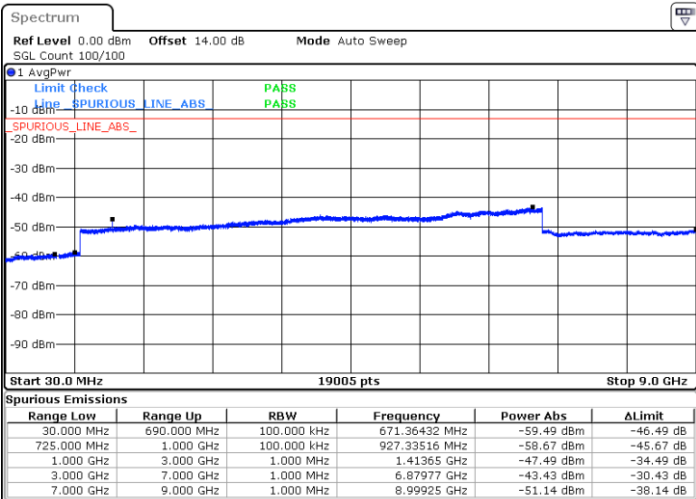


Date: 10.MAY.2023 18:42:42

Date: 10.MAY.2023 18:41:08

Highest Channel / QPSK

Highest Channel / 16QAM



Date: 10.MAY.2023 18:49:44

Date: 10.MAY.2023 18:51:19



### Frequency Stability

Test Conditions		LTE Band 12 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0014	PASS
40	Normal Voltage	0.0003	
30	Normal Voltage	0.0188	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0177	
0	Normal Voltage	0.0016	
-10	Normal Voltage	0.0172	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0018	
20	Maximum Voltage	0.0010	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0010	

**Note:**

1. Normal Voltage =3.8 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.2 V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.



## LTE Band 66

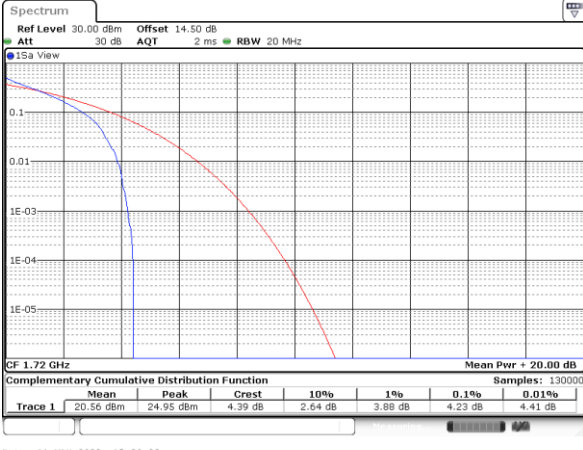
### Peak-to-Average Ratio

Mode	LTE Band 66 / 20MHz				
Mod.	QPSK		16QAM		Limit: 13dB
RB Size	1RB	Full RB	1RB	Full RB	Result
Lowest CH	4.23	5.19	5.25	6.23	PASS
Middle CH	4.64	4.93	5.77	5.83	
Highest CH	4.20	5.16	5.30	6.03	



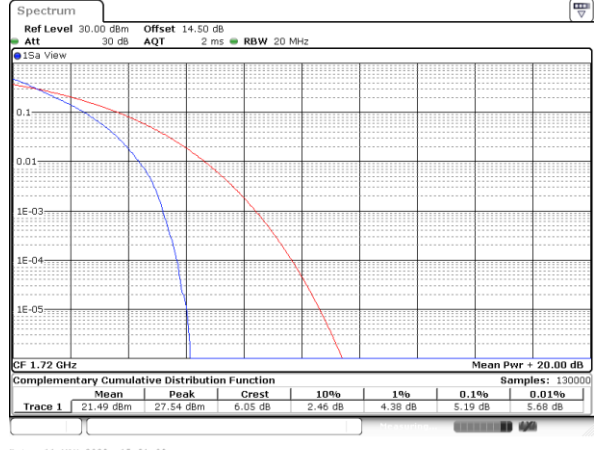
LTE Band 66 / 20MHz / QPSK

Lowest Channel / 1RB



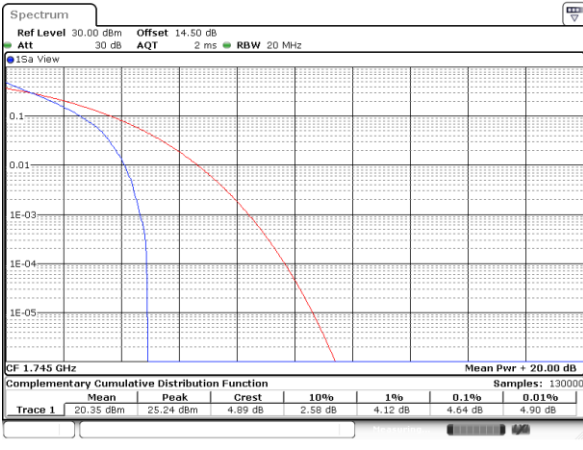
Date: 11.MAY.2023 15:30:38

Lowest Channel / Full RB



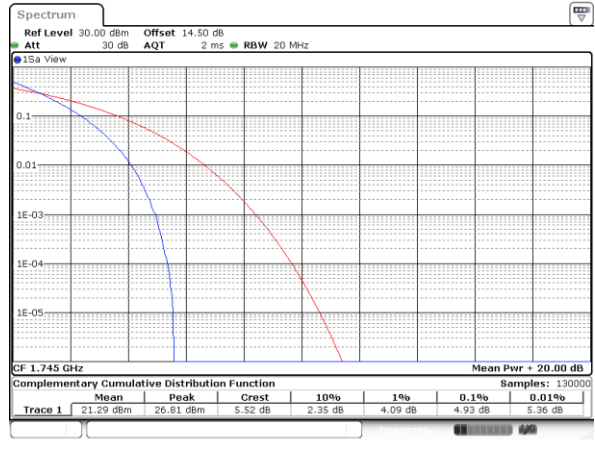
Date: 11.MAY.2023 15:31:03

Middle Channel / 1RB



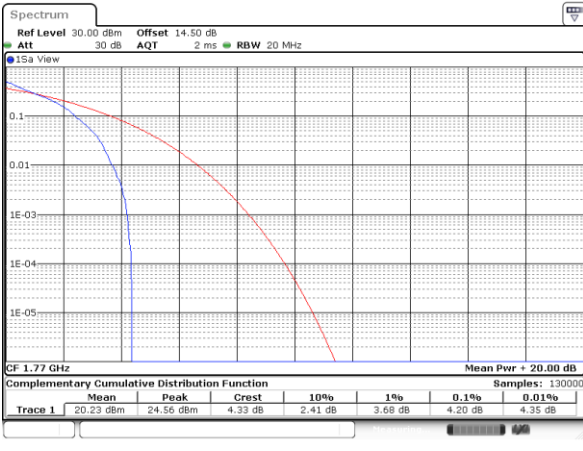
Date: 11.MAY.2023 15:31:28

Middle Channel / Full RB



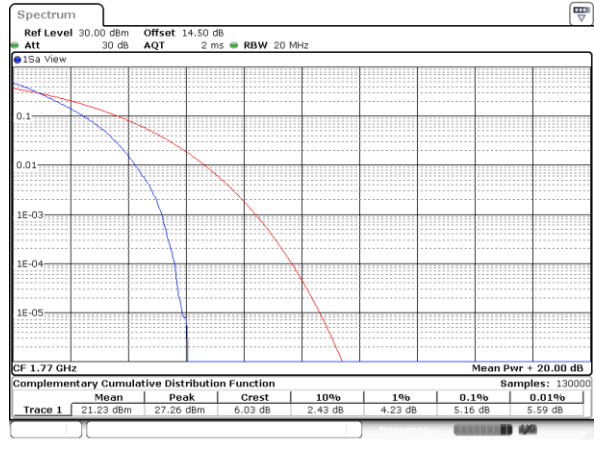
Date: 11.MAY.2023 15:31:54

Highest Channel / 1RB



Date: 11.MAY.2023 15:32:19

Highest Channel / Full RB

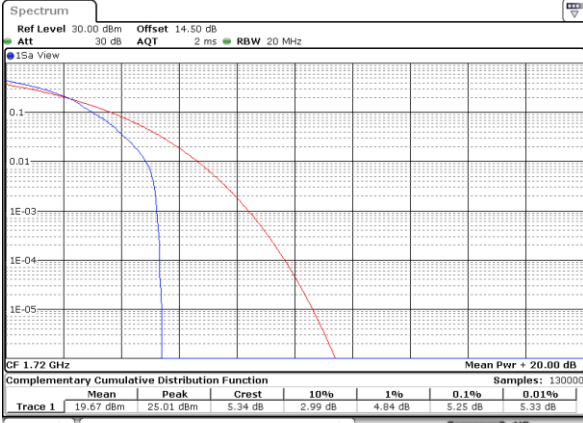


Date: 11.MAY.2023 15:32:44



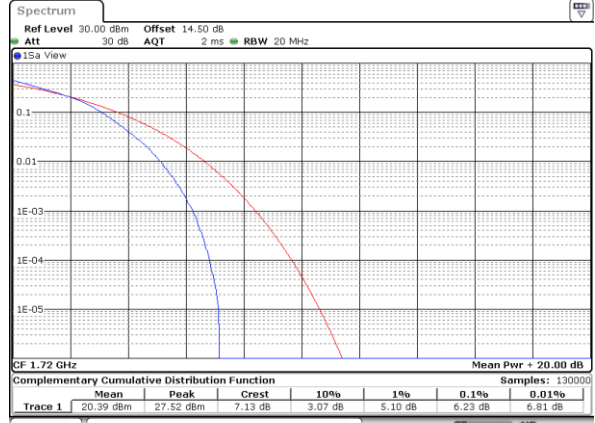
LTE Band 66 / 20MHz / 16QAM

Lowest Channel / 1RB



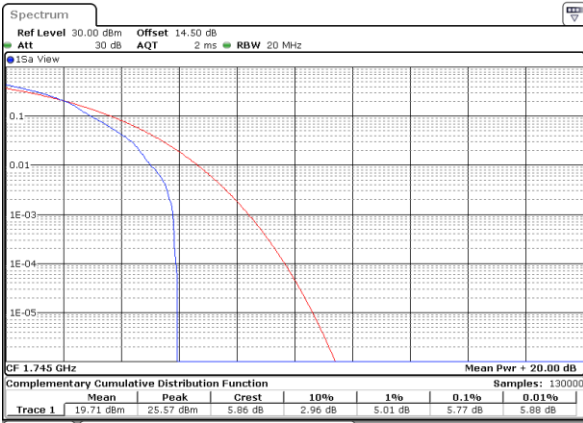
Date: 11.MAY.2023 15:28:05

Lowest Channel / Full RB



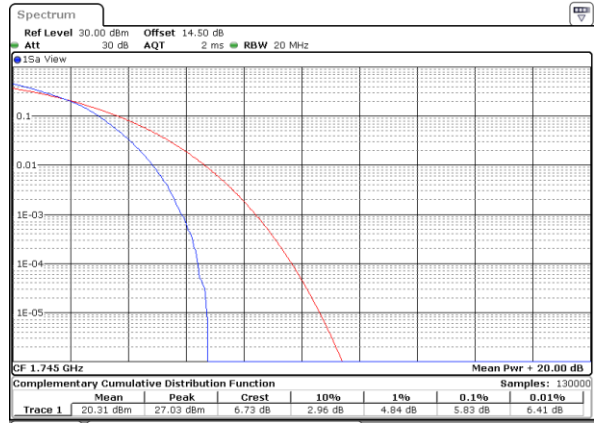
Date: 11.MAY.2023 15:28:31

Middle Channel / 1RB



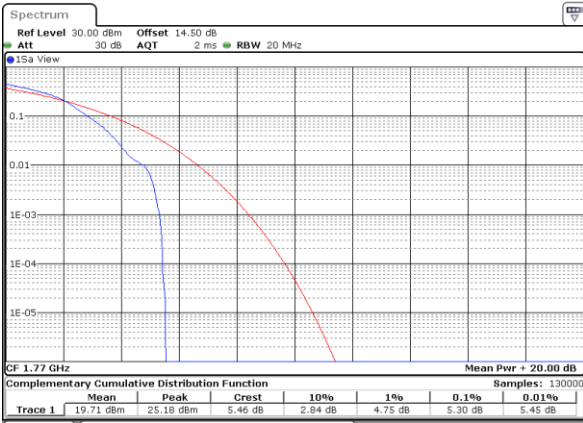
Date: 11.MAY.2023 15:28:56

Middle Channel / Full RB



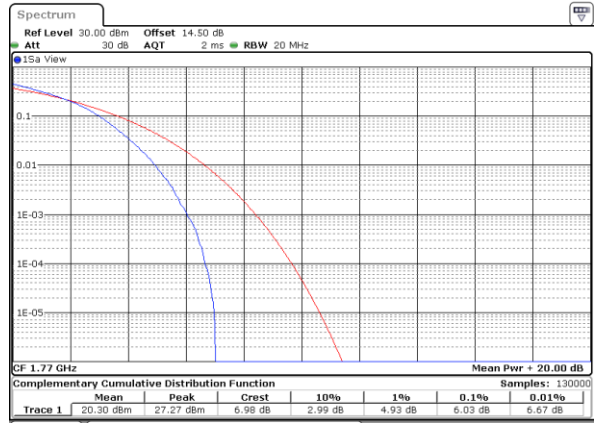
Date: 11.MAY.2023 15:29:12

Highest Channel / 1RB



Date: 11.MAY.2023 15:29:47

Highest Channel / Full RB



Date: 11.MAY.2023 15:30:12



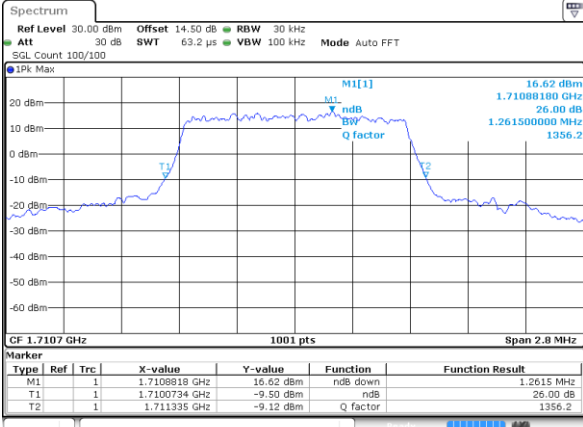
26dB Bandwidth

Mode	LTE Band 66 : 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	1.26	1.25	2.94	2.94	5.17	4.98	9.89	9.93	14.66	14.66	18.94	19.14
Middle CH	1.26	1.27	2.92	2.93	5.04	5.08	10.13	10.05	14.51	14.54	18.94	18.74
Highest CH	1.30	1.30	2.96	2.96	5.02	4.96	9.95	9.97	14.63	14.27	19.46	18.94



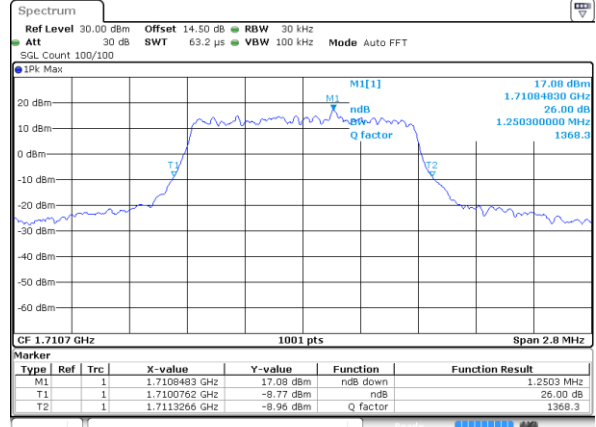
LTE Band 66

Lowest Channel / 1.4MHz / QPSK



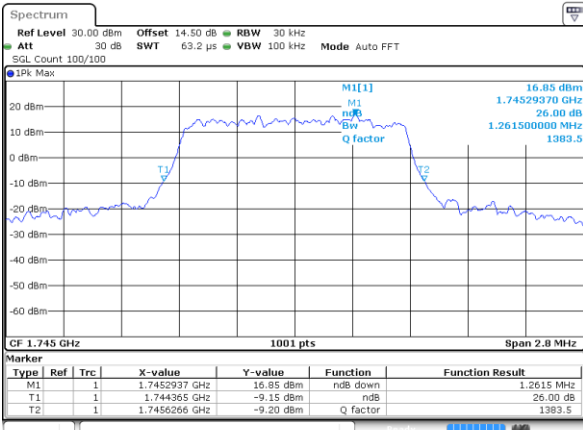
Date: 10 MAY 2023 11:52:58

Lowest Channel / 1.4MHz / 16QAM



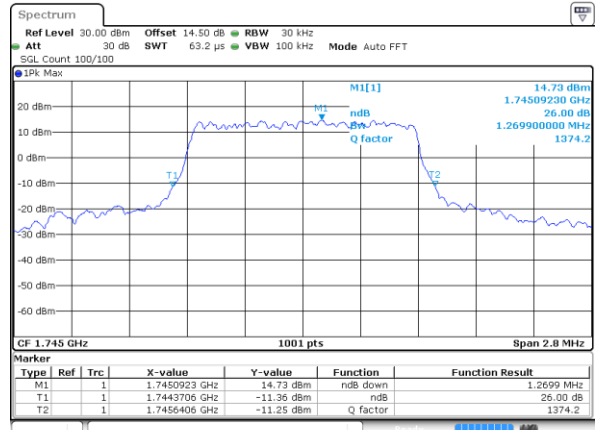
Date: 10 MAY 2023 11:53:22

Middle Channel / 1.4MHz / QPSK



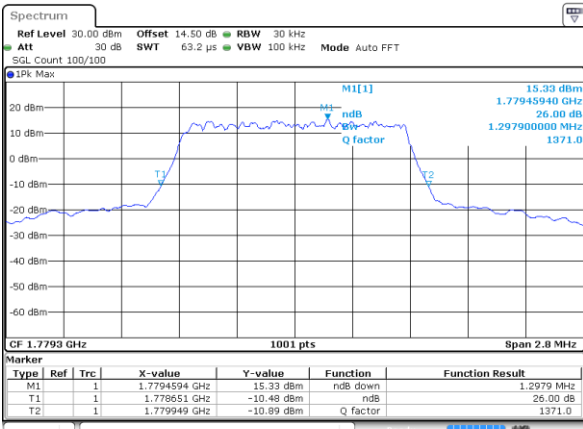
Date: 10 MAY 2023 12:03:19

Middle Channel / 1.4MHz / 16QAM



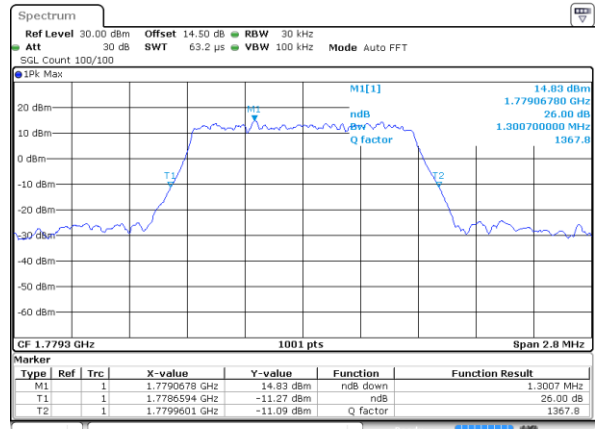
Date: 10 MAY 2023 12:03:43

Highest Channel / 1.4MHz / QPSK



Date: 10 MAY 2023 12:08:06

Highest Channel / 1.4MHz / 16QAM



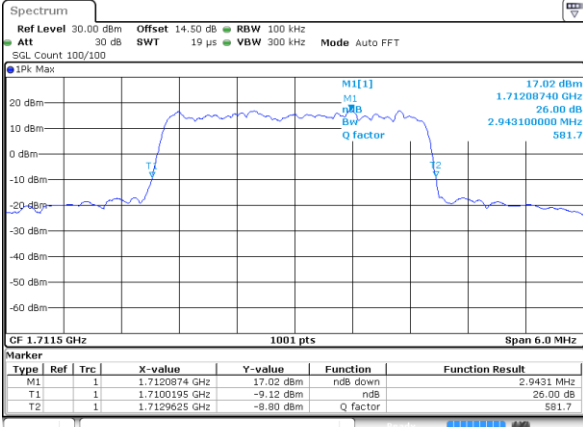
Date: 10 MAY 2023 12:08:30





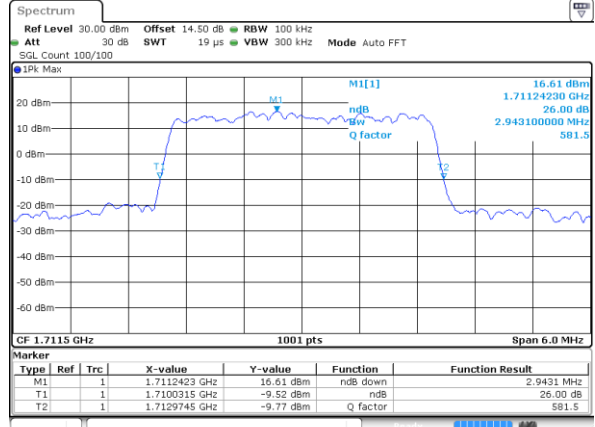
LTE Band 66

Lowest Channel / 3MHz / QPSK



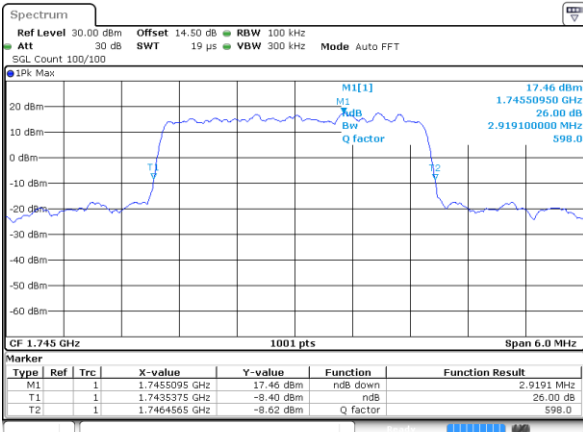
Date: 10 MAY 2023 12:18:28

Lowest Channel / 3MHz / 16QAM



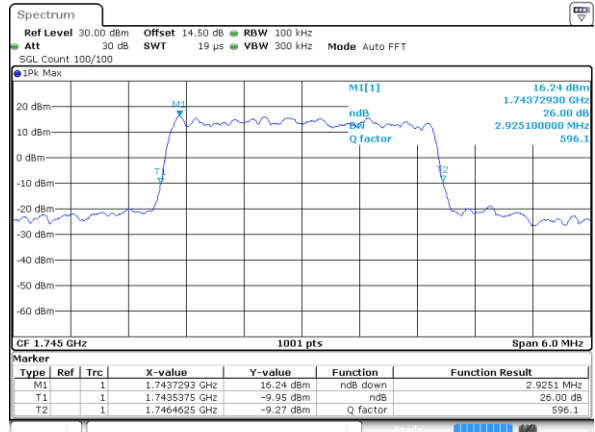
Date: 10 MAY 2023 12:18:53

Middle Channel / 3MHz / QPSK



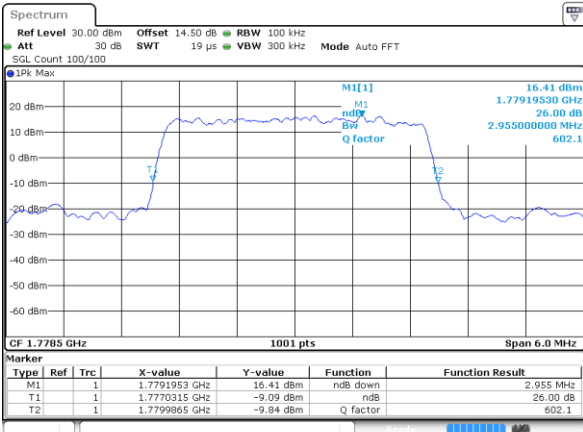
Date: 10 MAY 2023 12:28:54

Middle Channel / 3MHz / 16QAM



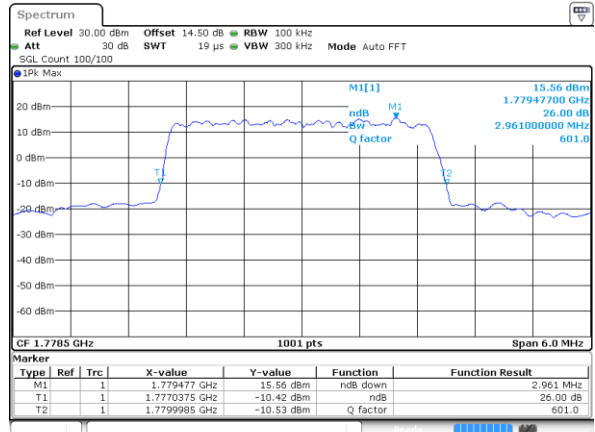
Date: 10 MAY 2023 12:29:18

Highest Channel / 3MHz / QPSK



Date: 10 MAY 2023 12:33:41

Highest Channel / 3MHz / 16QAM

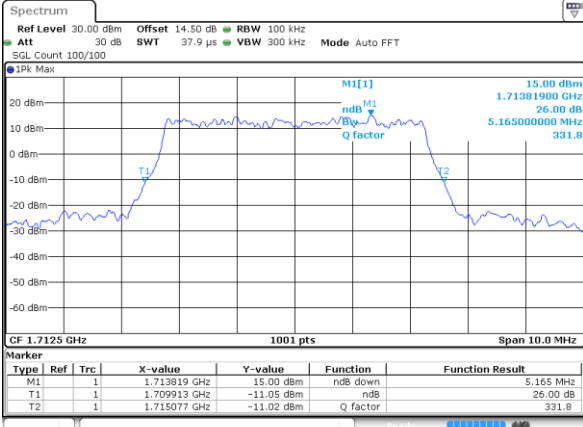


Date: 10 MAY 2023 12:34:05



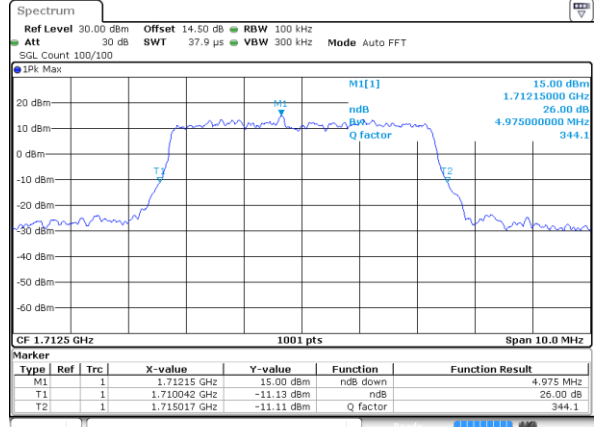
LTE Band 66

Lowest Channel / 5MHz / QPSK



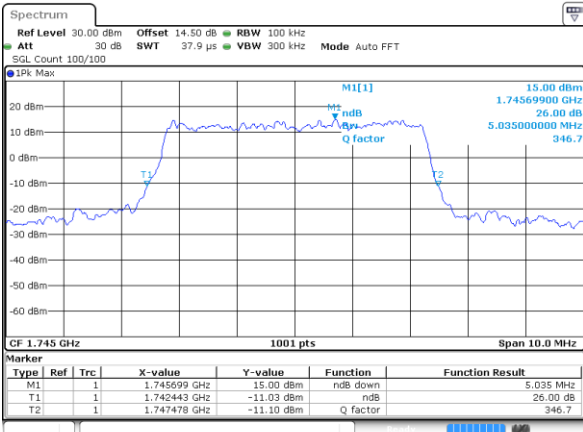
Date: 10 MAY 2023 12:44:03

Lowest Channel / 5MHz / 16QAM



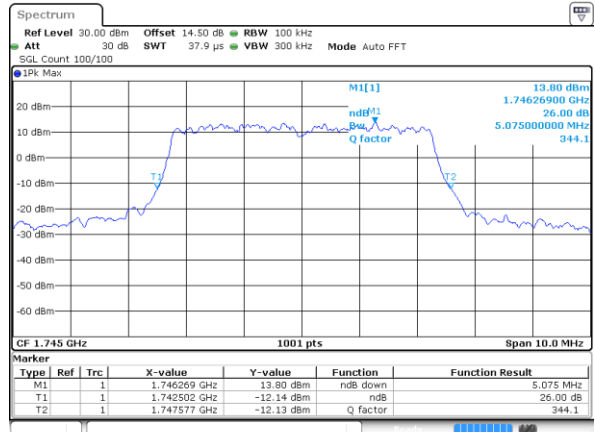
Date: 10 MAY 2023 12:44:27

Middle Channel / 5MHz / QPSK



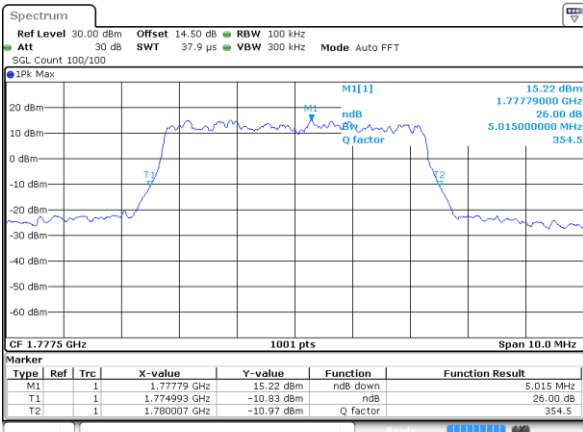
Date: 10 MAY 2023 12:54:28

Middle Channel / 5MHz / 16QAM



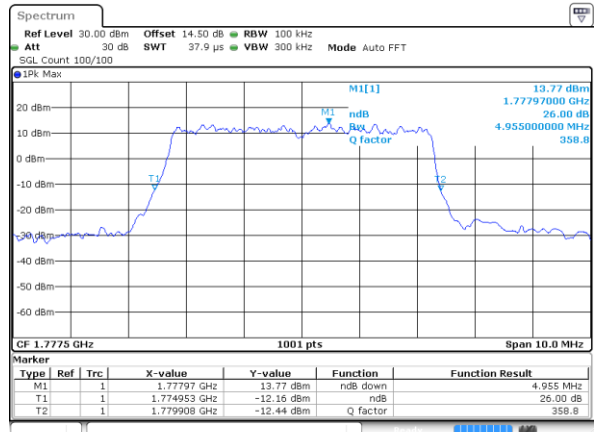
Date: 10 MAY 2023 12:54:53

Highest Channel / 5MHz / QPSK



Date: 10 MAY 2023 12:59:16

Highest Channel / 5MHz / 16QAM

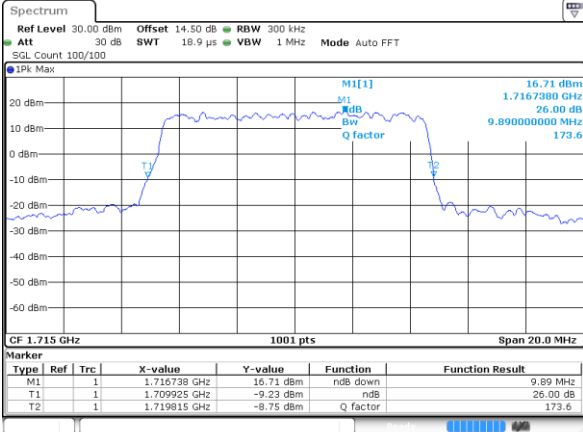


Date: 10 MAY 2023 12:59:42



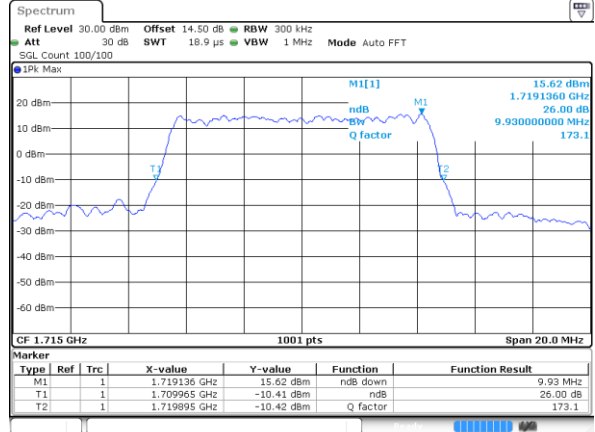
LTE Band 66

Lowest Channel / 10MHz / QPSK



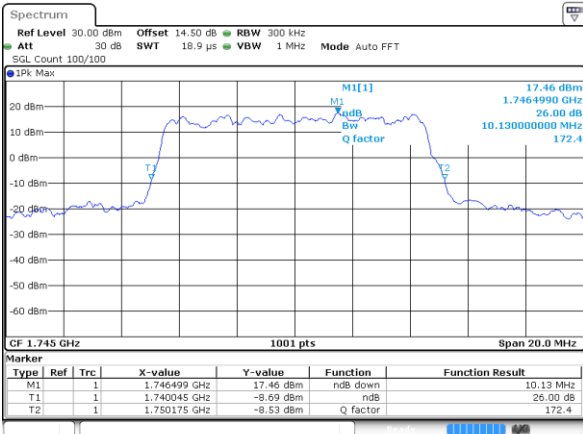
Date: 10 MAY 2023 13:34:57

Lowest Channel / 10MHz / 16QAM



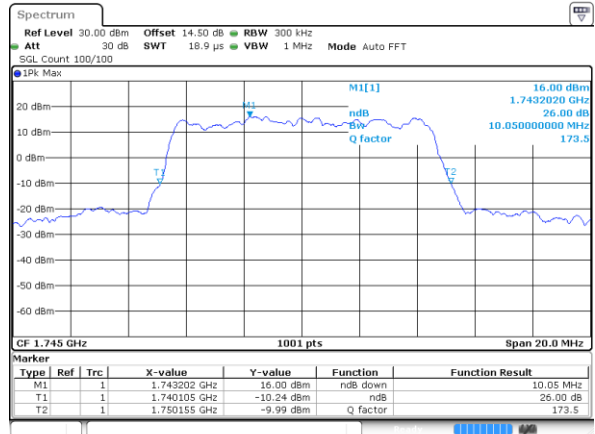
Date: 10 MAY 2023 13:35:21

Middle Channel / 10MHz / QPSK



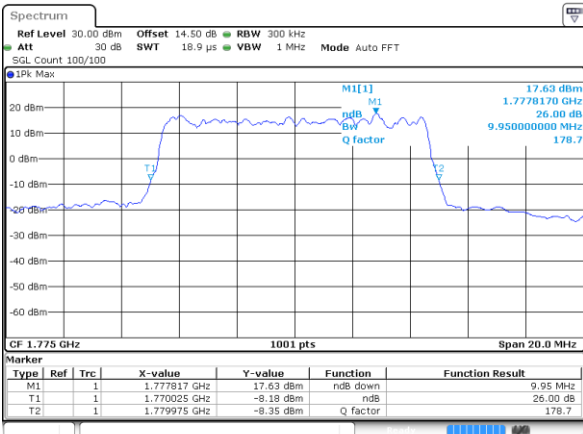
Date: 10 MAY 2023 13:42:41

Middle Channel / 10MHz / 16QAM



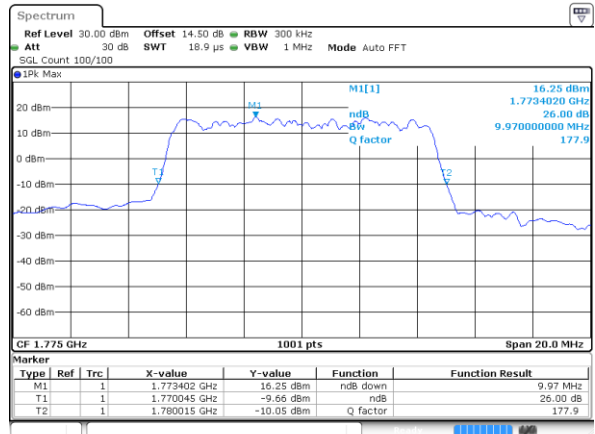
Date: 10 MAY 2023 13:45:05

Highest Channel / 10MHz / QPSK



Date: 10 MAY 2023 13:46:48

Highest Channel / 10MHz / 16QAM



Date: 10 MAY 2023 13:47:13