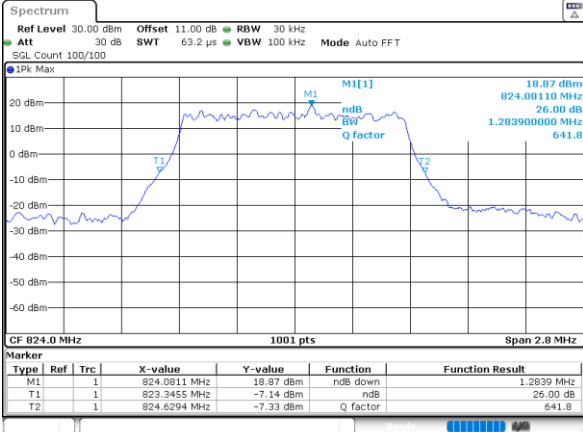




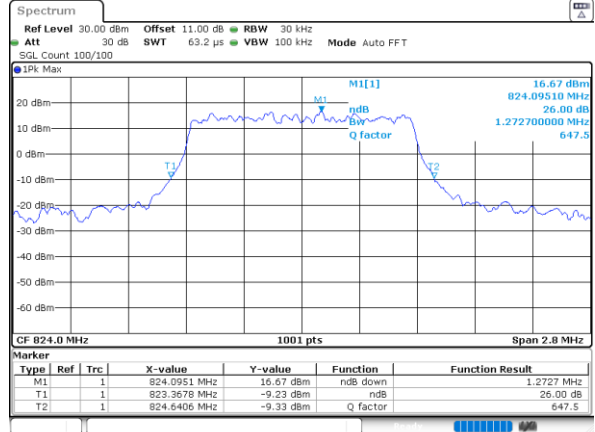
LTE Band 26

Middle Channel / 1.4MHz / QPSK



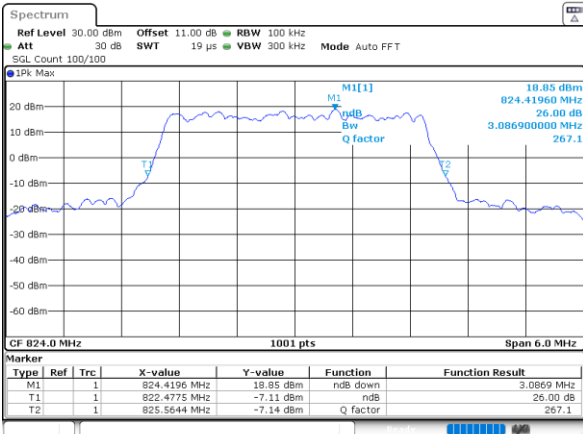
Date: 2,DEC,2022 17:04:09

Middle Channel / 1.4MHz / 16QAM



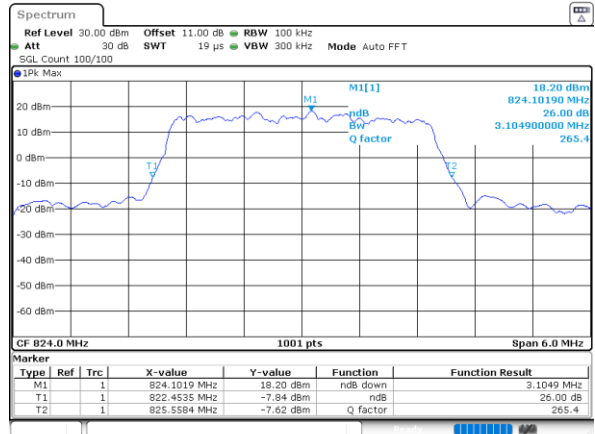
Date: 2,DEC,2022 17:04:38

Middle Channel / 3MHz / QPSK



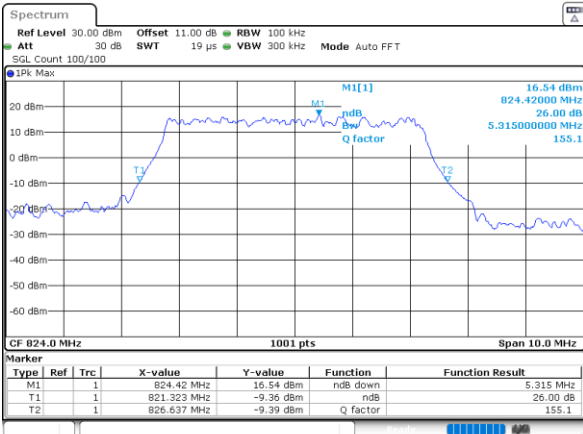
Date: 2,DEC,2022 17:07:08

Middle Channel / 3MHz / 16QAM



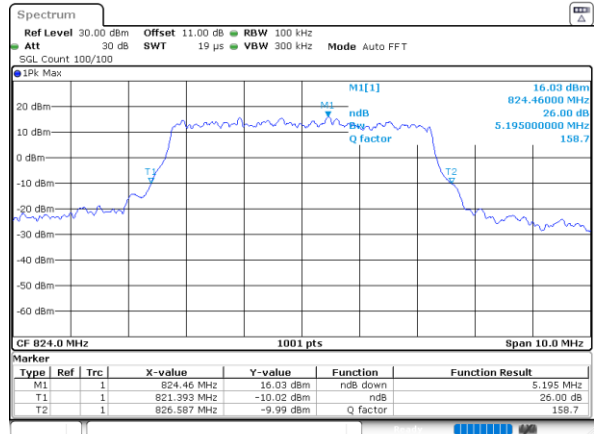
Date: 2,DEC,2022 17:07:38

Middle Channel / 5MHz / QPSK



Date: 2,DEC,2022 17:10:08

Middle Channel / 5MHz / 16QAM

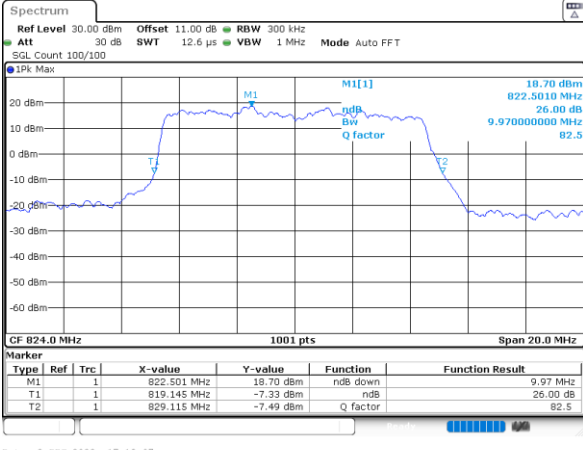


Date: 2,DEC,2022 17:10:37



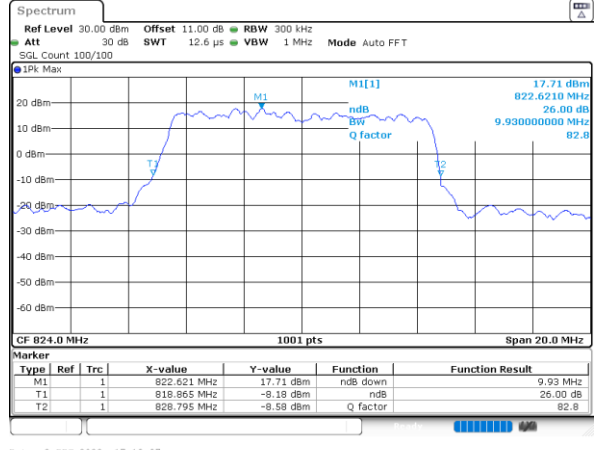
LTE Band 26

Middle Channel / 10MHz / QPSK



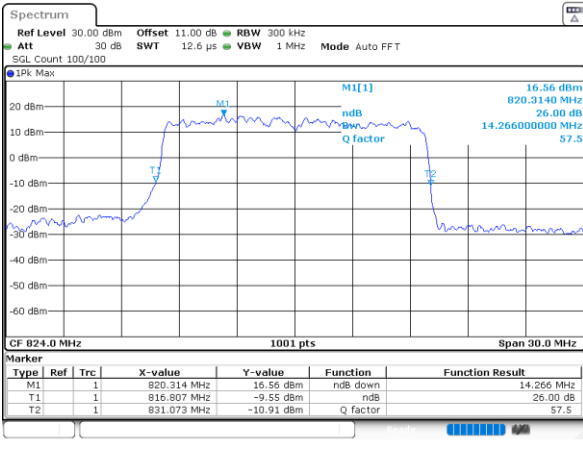
Date: 2,DEC,2022 17:13:07

Middle Channel / 10MHz / 16QAM



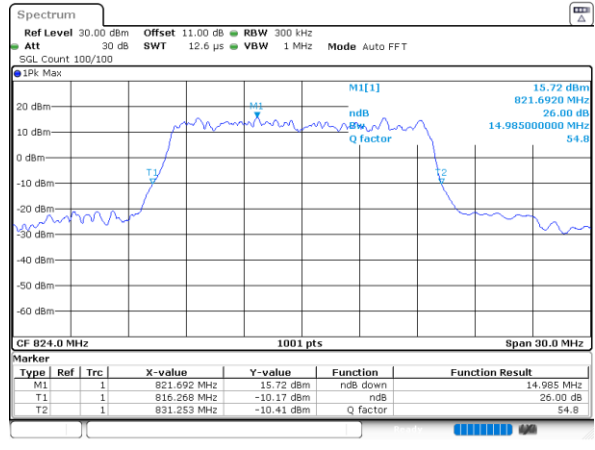
Date: 2,DEC,2022 17:13:37

Middle Channel / 15MHz / QPSK



Date: 2,DEC,2022 17:16:06

Middle Channel / 15MHz / 16QAM

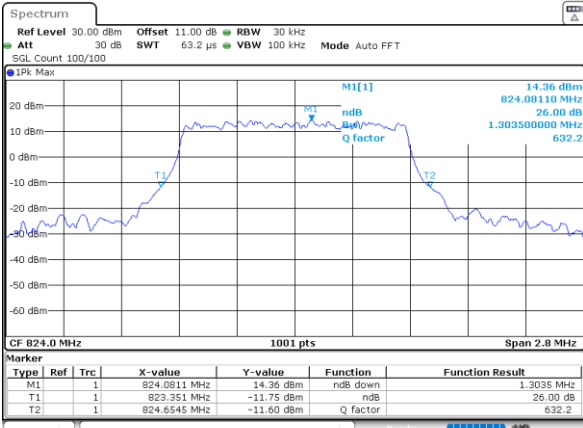


Date: 2,DEC,2022 17:16:36



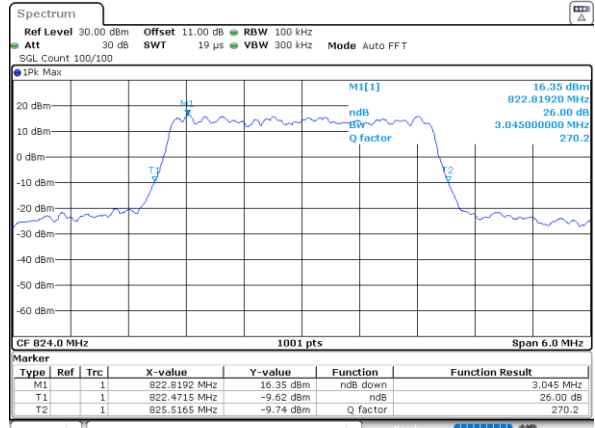
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



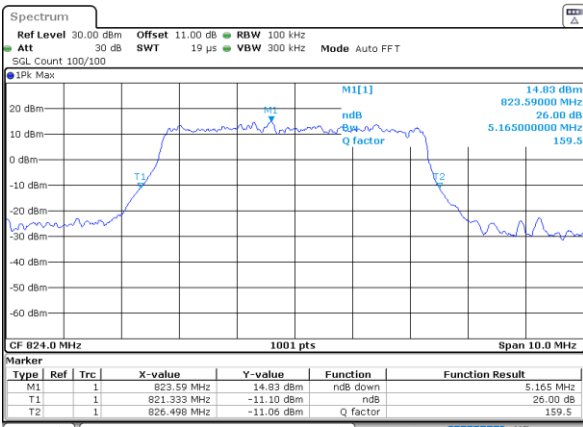
Date: 2.DEC.2022 17:05:36

Middle Channel / 3MHz / 64QAM



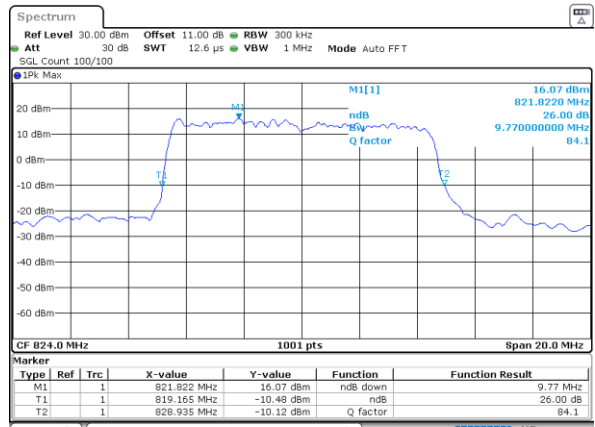
Date: 2.DEC.2022 17:08:35

Middle Channel / 5MHz / 64QAM



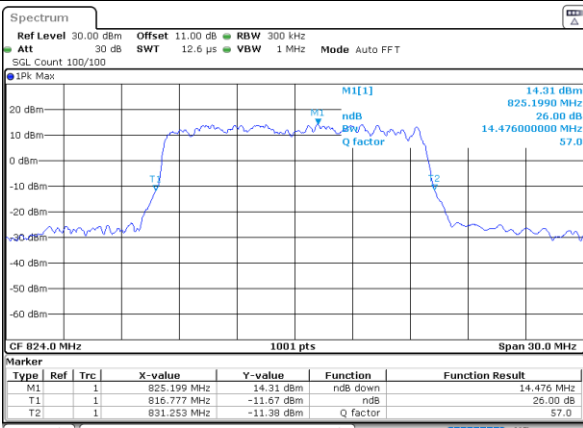
Date: 2.DEC.2022 17:11:35

Middle Channel / 10MHz / 64QAM



Date: 2.DEC.2022 17:14:34

Middle Channel / 15MHz / 64QAM



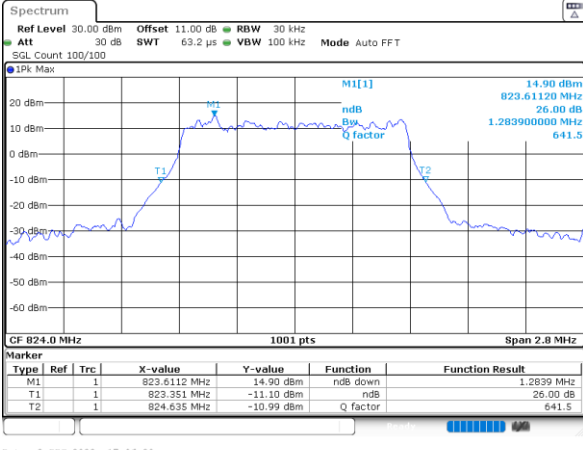
Date: 2.DEC.2022 17:17:33

N/A



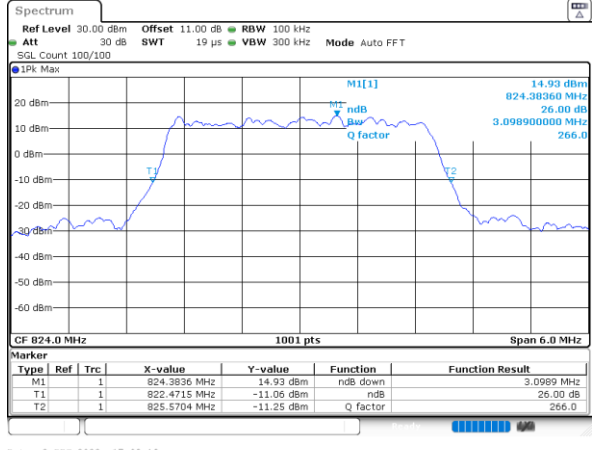
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



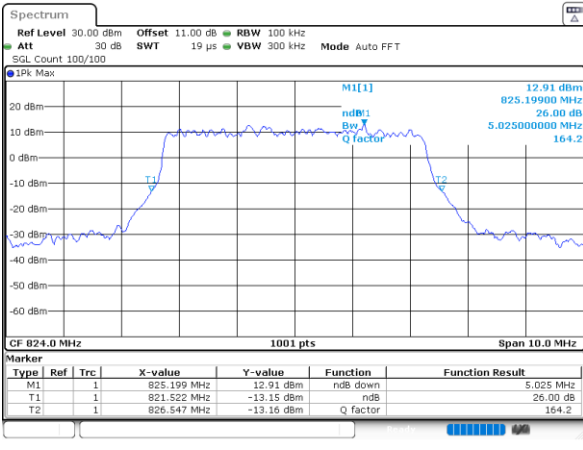
Date: 2,DEC,2022 17:06:20

Middle Channel / 3MHz / 256QAM



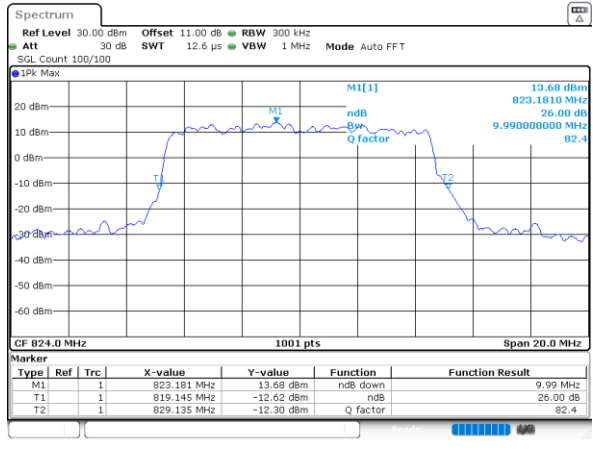
Date: 2,DEC,2022 17:09:19

Middle Channel / 5MHz / 256QAM



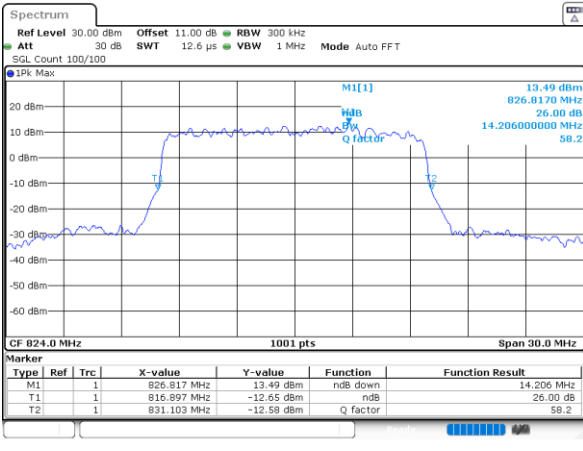
Date: 2,DEC,2022 17:12:16

Middle Channel / 10MHz / 256QAM



Date: 2,DEC,2022 17:15:16

Middle Channel / 15MHz / 256QAM



Date: 2,DEC,2022 17:18:17

N/A



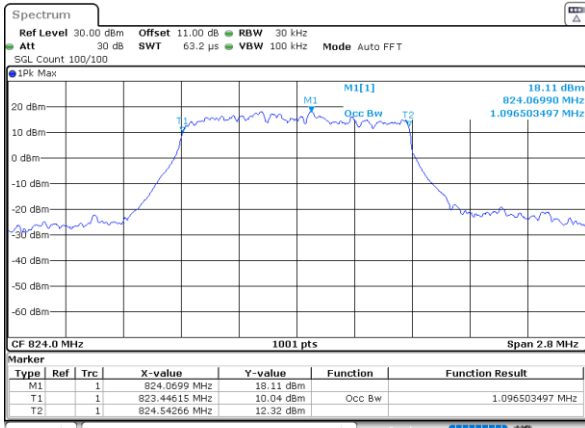
Occupied Bandwidth

Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	1.10	1.09	2.72	2.73	4.52	4.48	9.03	9.01	13.43	13.34	-	-
Mode	LTE Band 26 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	1.09	1.09	2.73	2.72	4.48	4.49	9.01	9.05	13.40	13.37	-	-



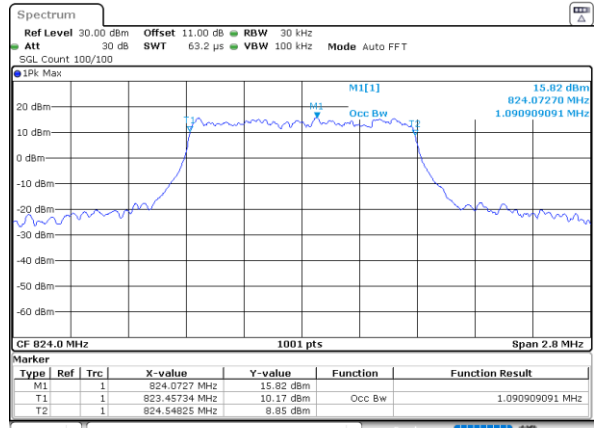
LTE Band 26

Middle Channel / 1.4MHz / QPSK



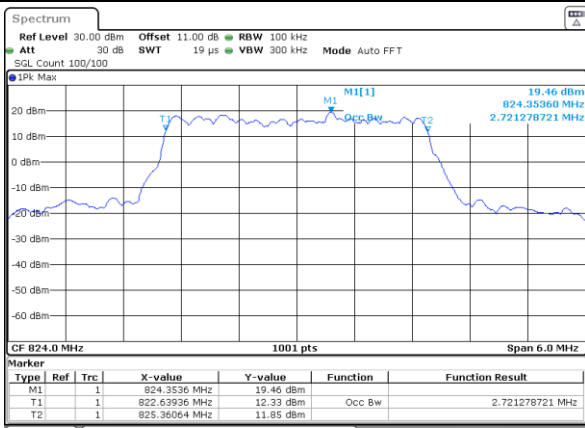
Date: 2.DEC.2022 17:03:55

Middle Channel / 1.4MHz / 16QAM



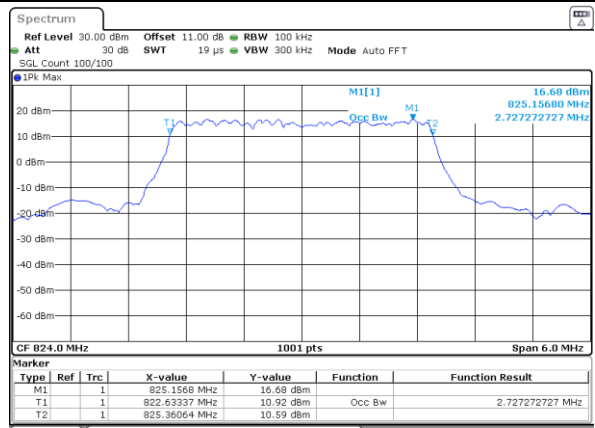
Date: 2.DEC.2022 17:04:53

Middle Channel / 3MHz / QPSK



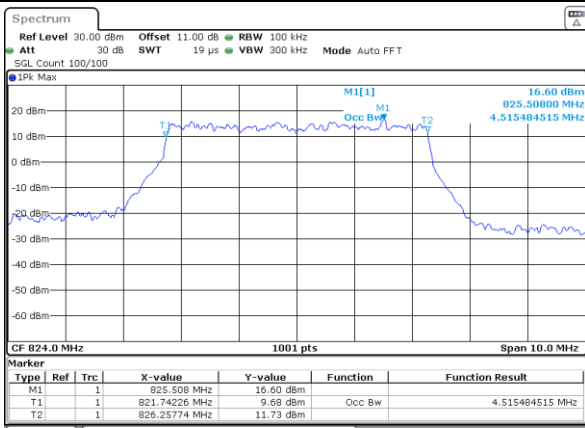
Date: 2.DEC.2022 17:06:54

Middle Channel / 3MHz / 16QAM



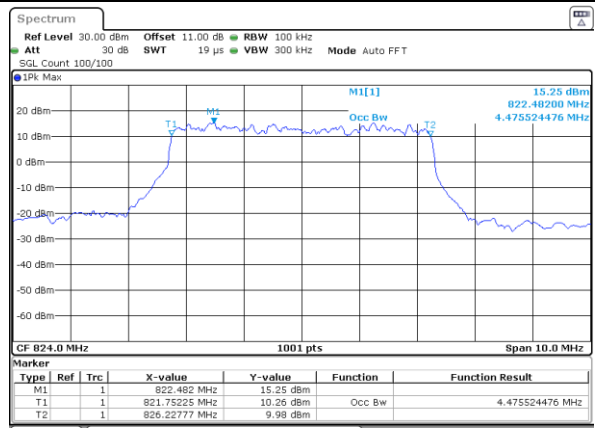
Date: 2.DEC.2022 17:07:52

Middle Channel / 5MHz / QPSK



Date: 2.DEC.2022 17:09:54

Middle Channel / 5MHz / 16QAM

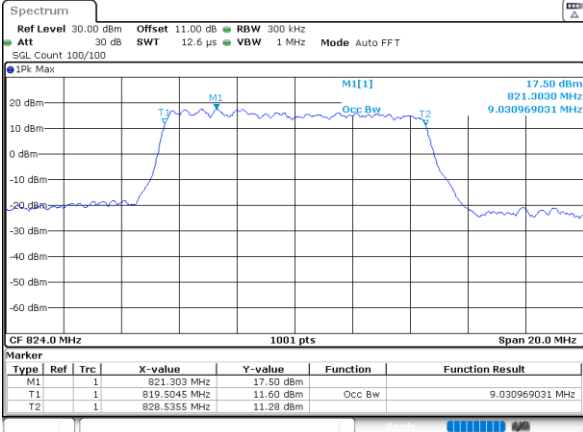


Date: 2.DEC.2022 17:10:51



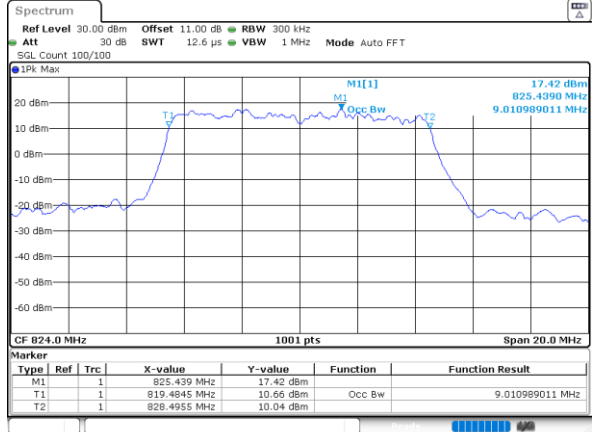
LTE Band 26

Middle Channel / 10MHz / QPSK



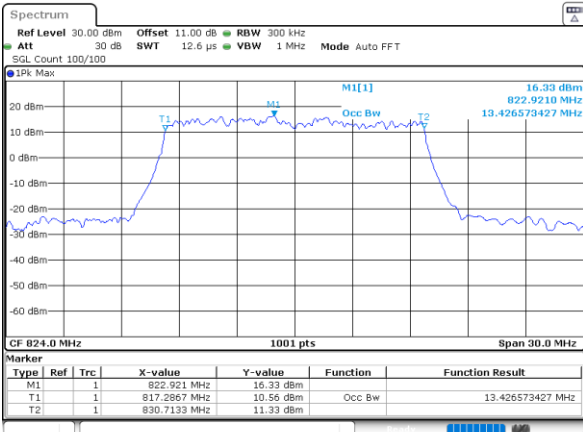
Date: 2,DEC,2022 17:11:53

Middle Channel / 10MHz / 16QAM



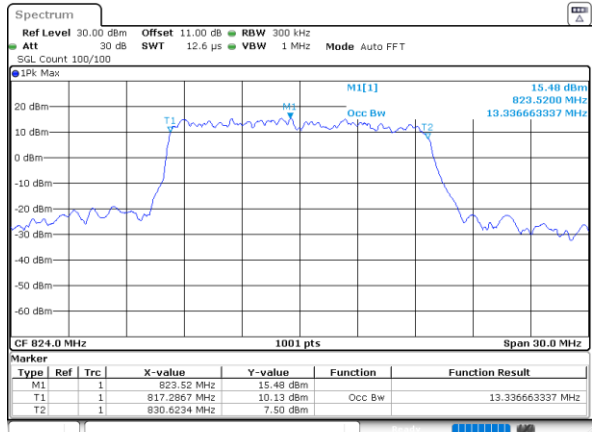
Date: 2,DEC,2022 17:13:51

Middle Channel / 15MHz / QPSK



Date: 2,DEC,2022 17:15:52

Middle Channel / 15MHz / 16QAM

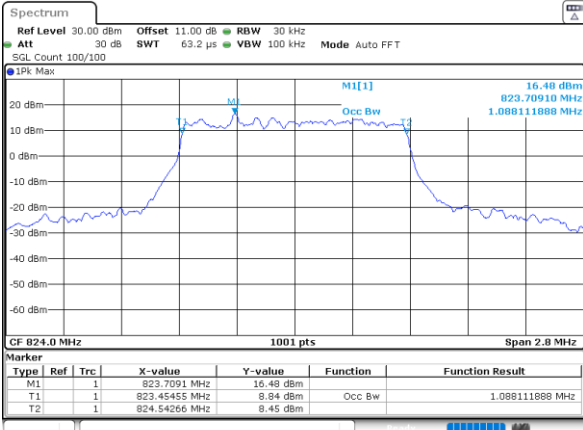


Date: 2,DEC,2022 17:16:50



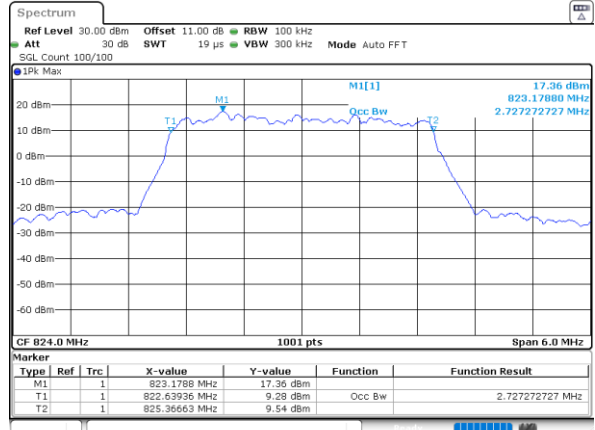
LTE Band 26

Middle Channel / 1.4MHz / 64QAM



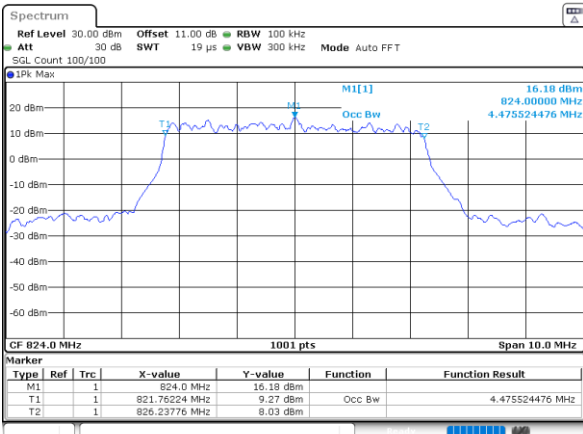
Date: 2.DEC.2022 17:05:22

Middle Channel / 3MHz / 64QAM



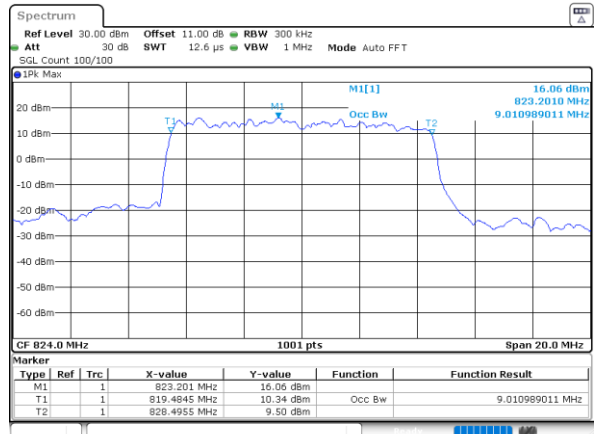
Date: 2.DEC.2022 17:08:21

Middle Channel / 5MHz / 64QAM



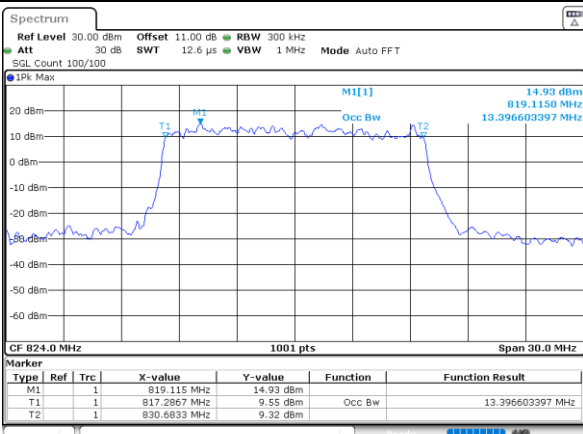
Date: 2.DEC.2022 17:11:21

Middle Channel / 10MHz / 64QAM



Date: 2.DEC.2022 17:14:50

Middle Channel / 15MHz / 64QAM



Date: 2.DEC.2022 17:17:19

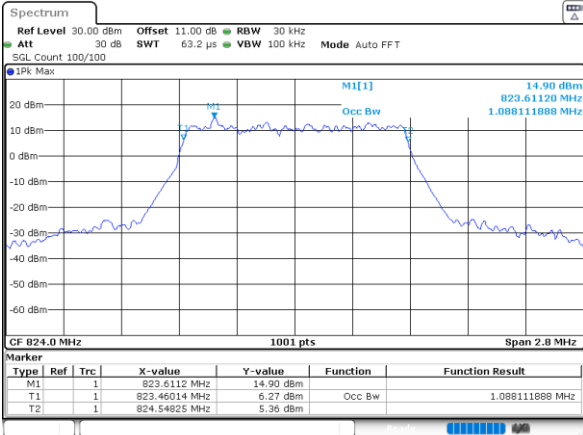
N/A





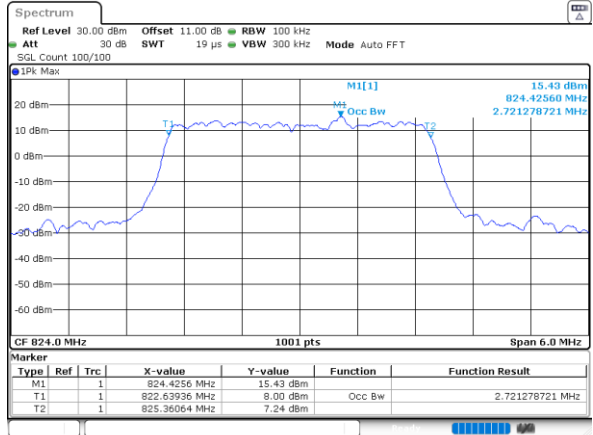
LTE Band 26

Middle Channel / 1.4MHz / 256QAM



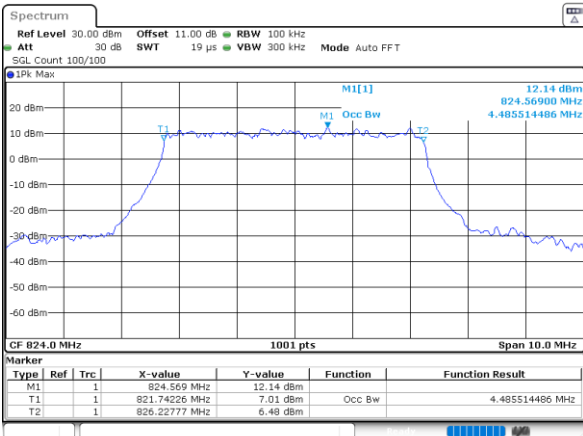
Date: 2.DEC.2022 17:06:06

Middle Channel / 3MHz / 256QAM



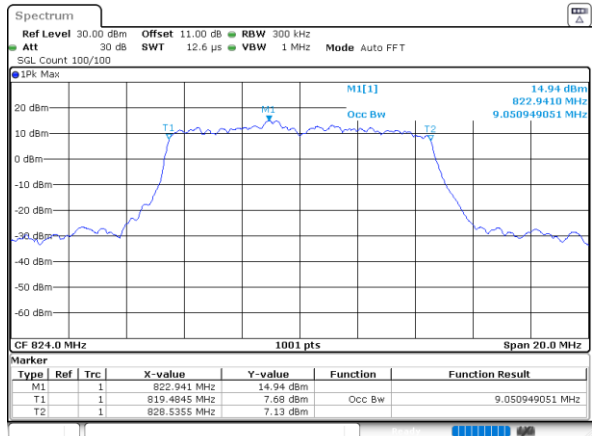
Date: 2.DEC.2022 17:09:05

Middle Channel / 5MHz / 256QAM



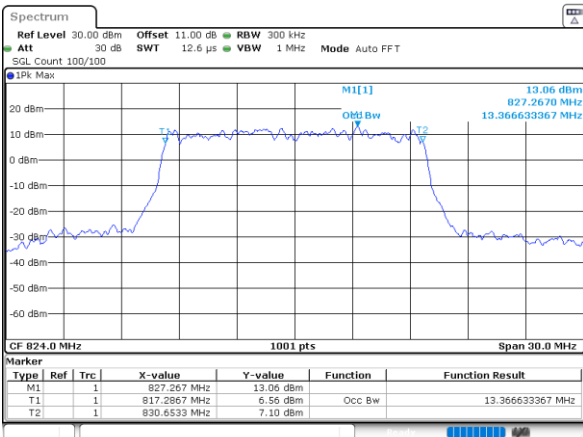
Date: 2.DEC.2022 17:12:04

Middle Channel / 10MHz / 256QAM



Date: 2.DEC.2022 17:15:04

Middle Channel / 15MHz / 256QAM

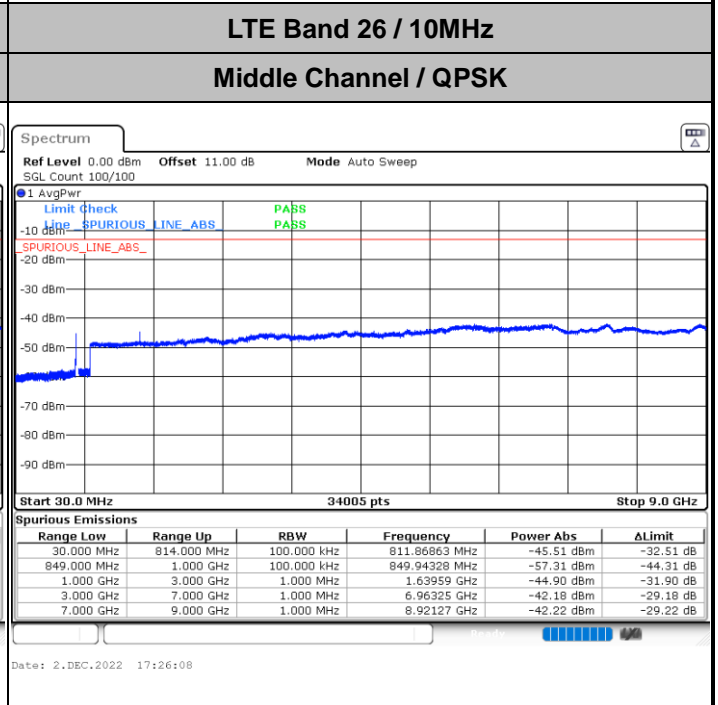
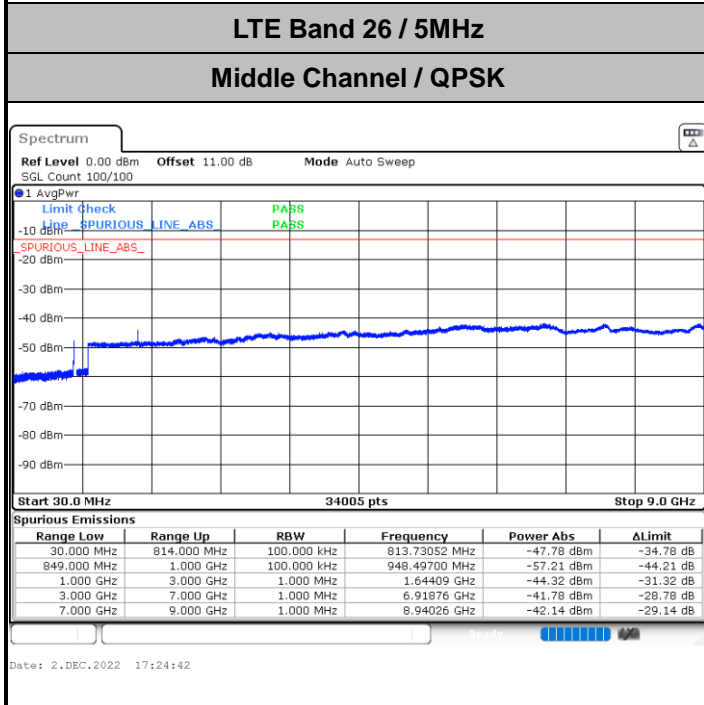
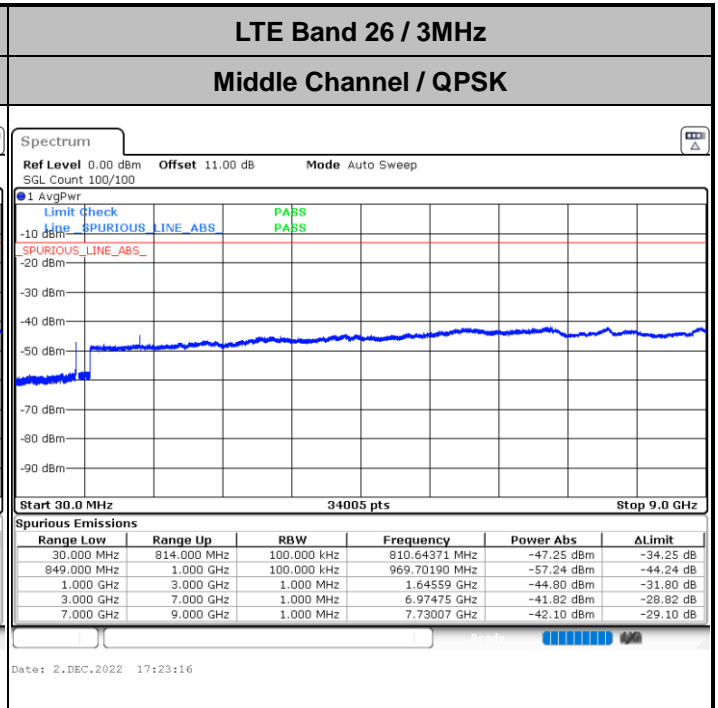
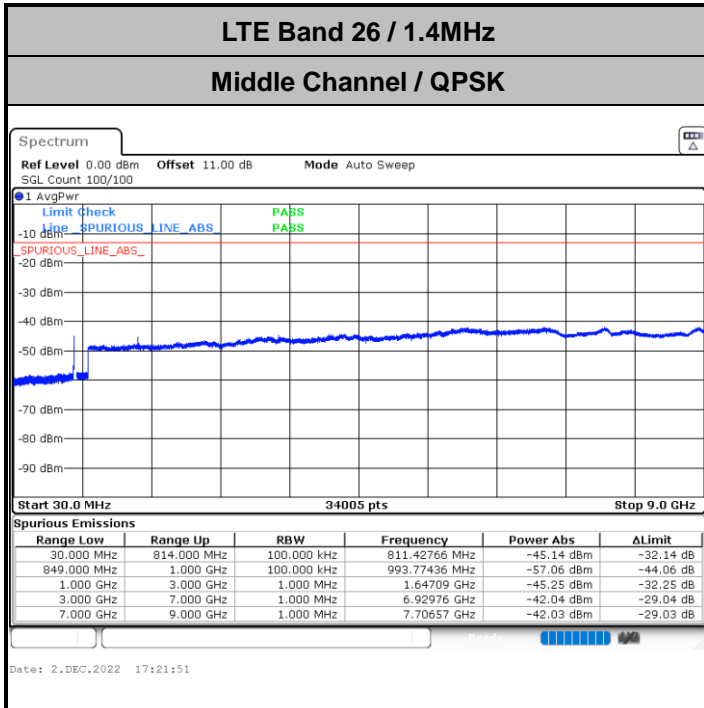


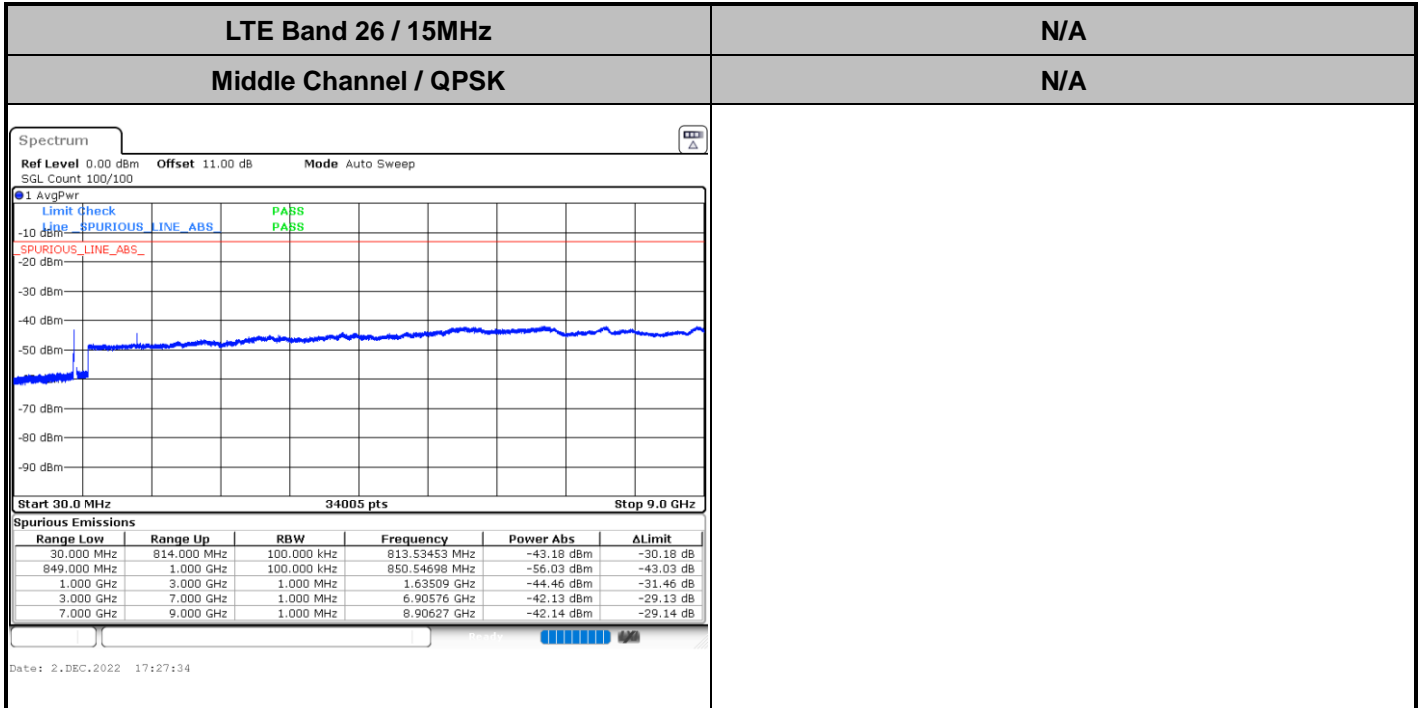
Date: 2.DEC.2022 17:18:03

N/A



# Conducted Spurious Emission







### Frequency Stability

Test Conditions		LTE Band 26 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0035	PASS
40	Normal Voltage	0.0000	
30	Normal Voltage	0.0199	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0019	
0	Normal Voltage	0.0142	
-10	Normal Voltage	0.0058	
-20	Normal Voltage	0.0135	
-30	Normal Voltage	0.0129	
20	Maximum Voltage	0.0021	
20	Normal Voltage	0.0000	
20	Battery End Point	0.0091	

**Note:**

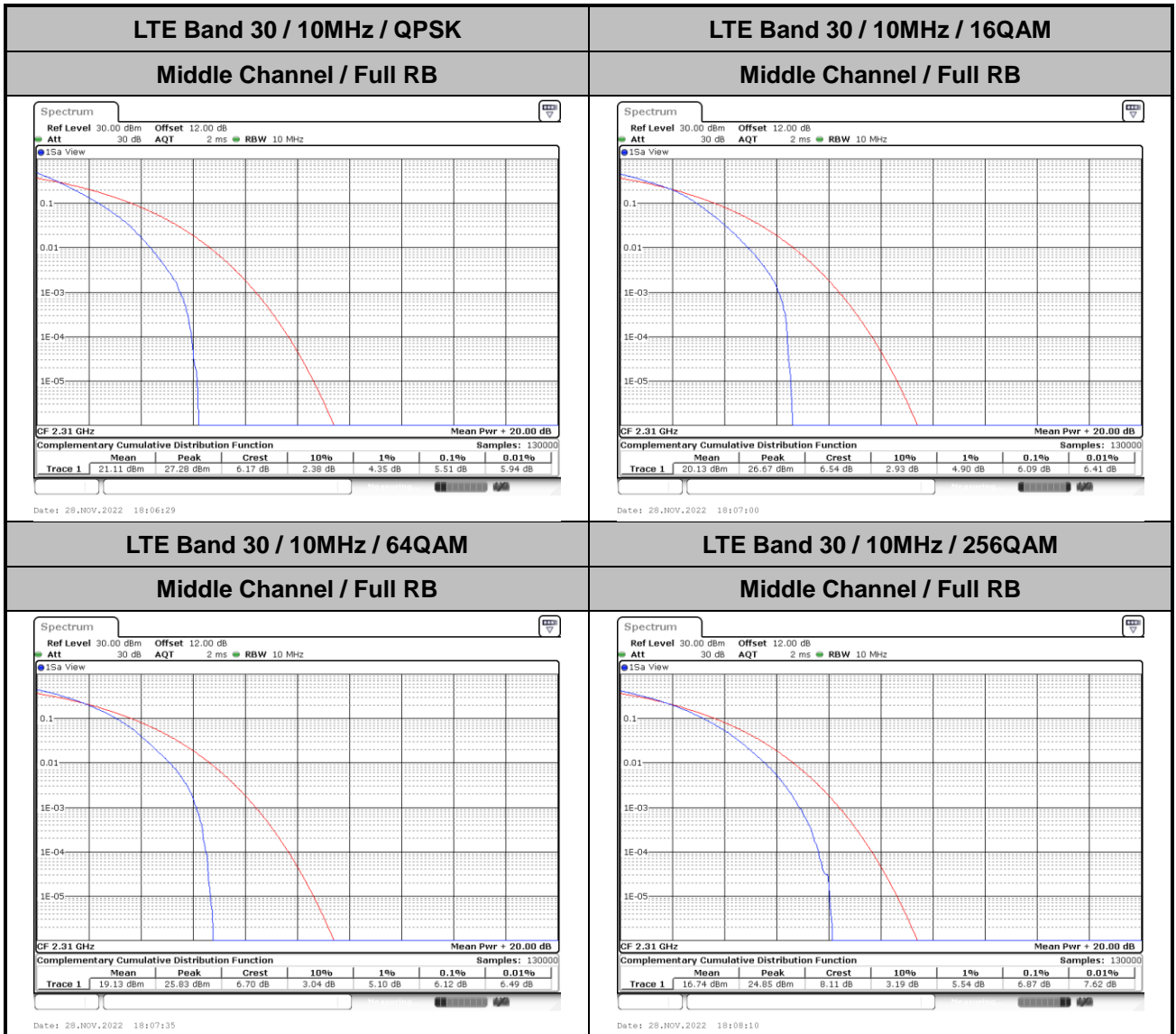
- 1. Normal Voltage = 3.88 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
- 2. The frequency fundamental emissions stay within the authorized frequency block.



# LTE Band 30

## Peak-to-Average Ratio

Mode	LTE Band 30 / 10MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.51	6.09	6.12	6.87	PASS





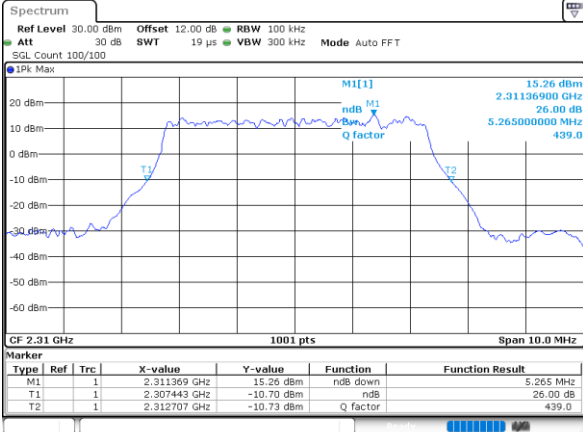
**26dB Bandwidth**

Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	5.27	5.36	10.01	10.27	-	-	-	-
Mode	LTE Band 30 : 26dB BW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	5.14	5.23	9.87	10.33	-	-	-	-



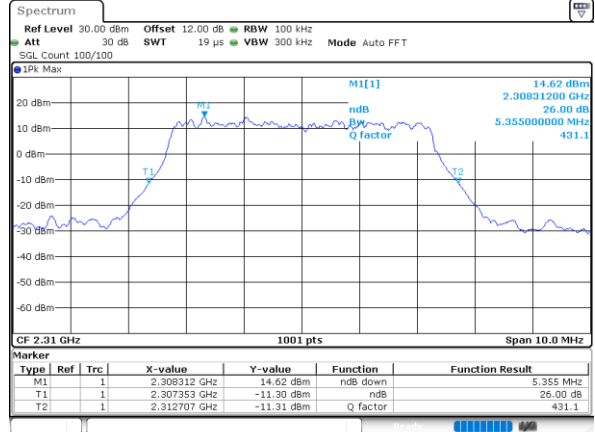
LTE Band 30

Middle Channel / 5MHz / QPSK



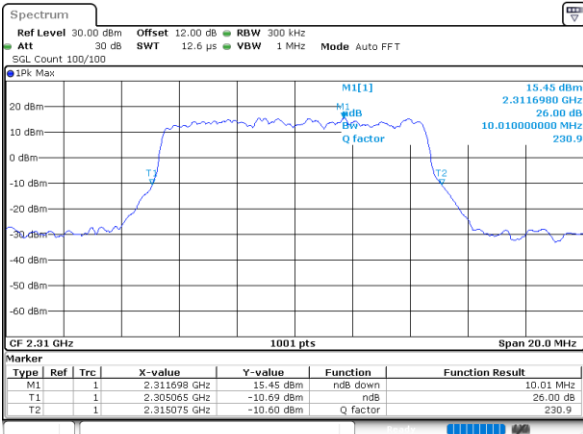
Date: 28.NOV.2022 17:51:16

Middle Channel / 5MHz / 16QAM



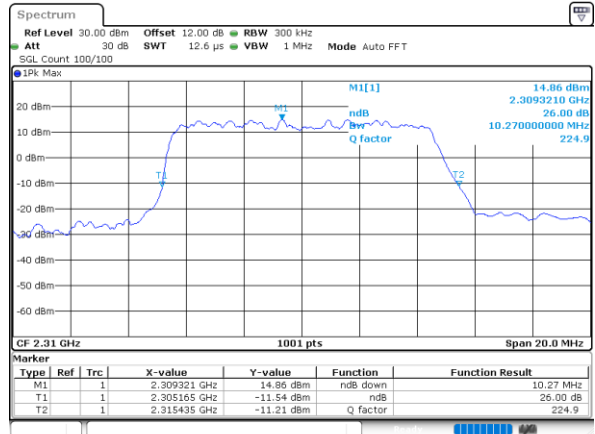
Date: 28.NOV.2022 17:55:28

Middle Channel / 10MHz / QPSK



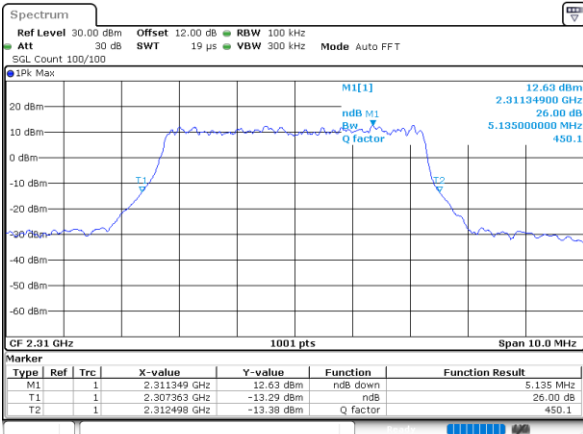
Date: 28.NOV.2022 18:00:57

Middle Channel / 10MHz / 16QAM



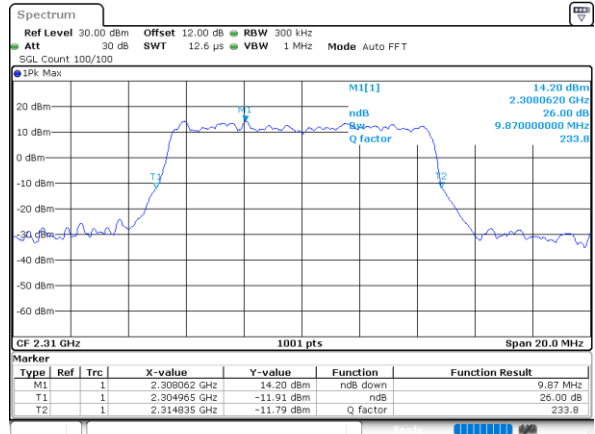
Date: 28.NOV.2022 18:03:11

Middle Channel / 5MHz / 64QAM



Date: 28.NOV.2022 17:52:14

Middle Channel / 10MHz / 64QAM



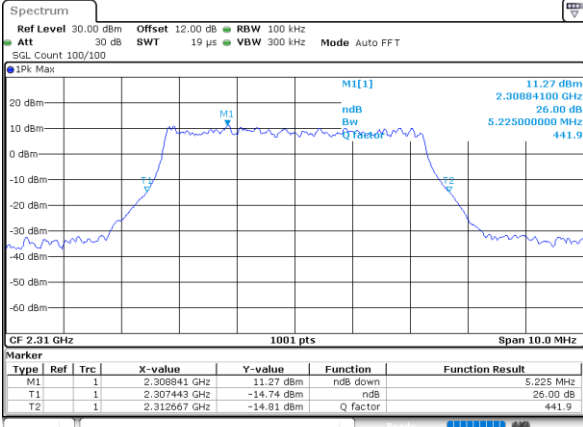
Date: 28.NOV.2022 18:03:40



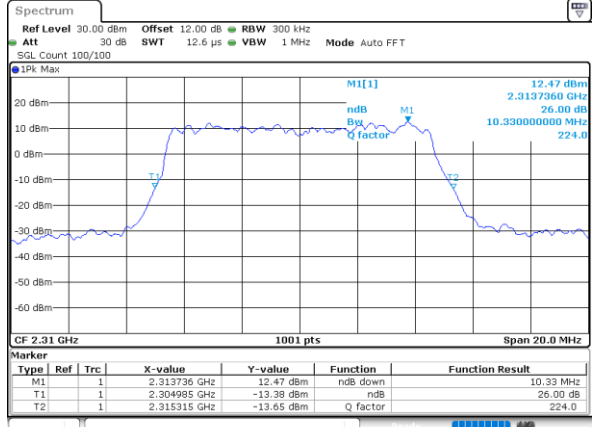
LTE Band 30

Middle Channel / 5MHz / 256QAM

Middle Channel / 10MHz / 256QAM



Date: 28,NOV,2022 17:52:42



Date: 28,NOV,2022 18:05:59





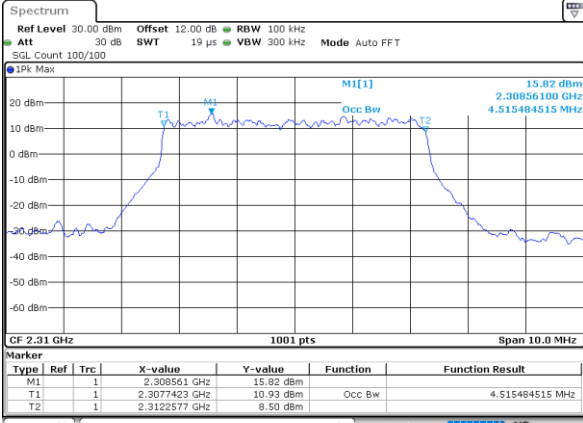
Occupied Bandwidth

Mode	LTE Band 30 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	-	-	-	-	4.52	4.52	9.09	9.07	-	-	-	-
Mode	LTE Band 30 : 99%OBW(MHz)											
BW	1.4MHz		3MHz		5MHz		10MHz		15MHz		20MHz	
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	-	-	-	-	4.54	4.53	9.09	9.11	-	-	-	-



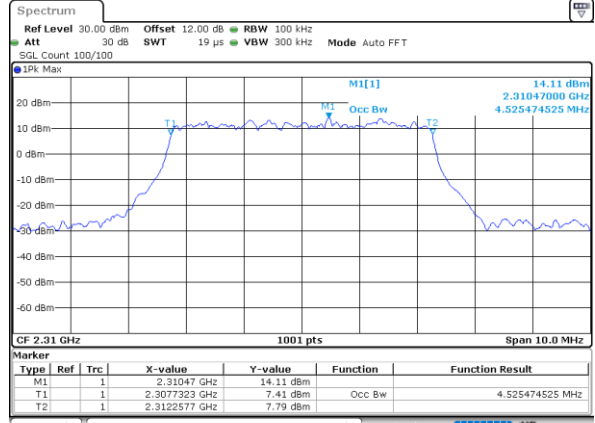
LTE Band 30

Middle Channel / 5MHz / QPSK



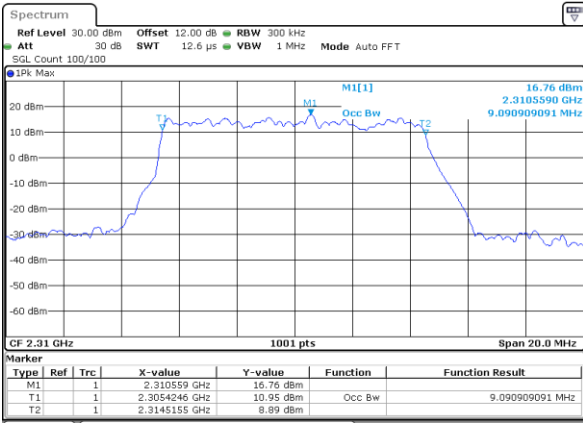
Date: 28.NOV.2022 17:49:21

Middle Channel / 5MHz / 16QAM



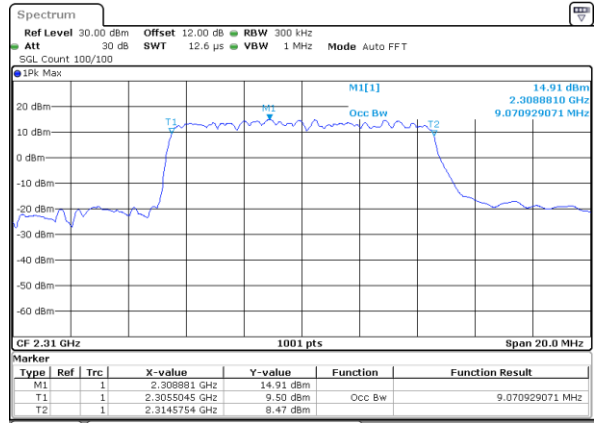
Date: 28.NOV.2022 17:12:136

Middle Channel / 10MHz / QPSK



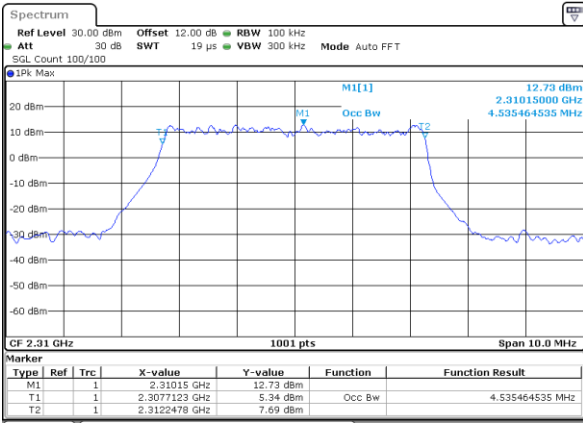
Date: 28.NOV.2022 17:57:11

Middle Channel / 10MHz / 16QAM



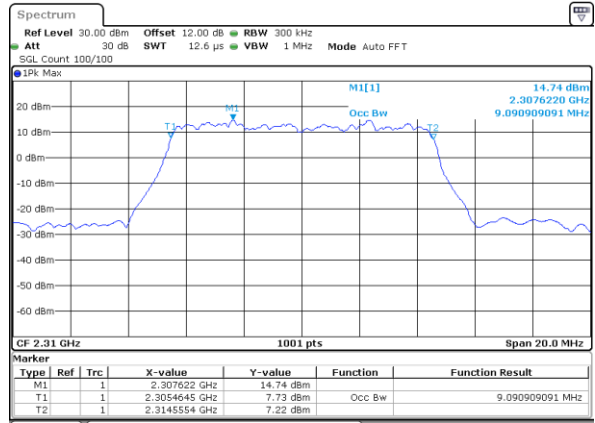
Date: 28.NOV.2022 17:55:151

Middle Channel / 5MHz / 64QAM



Date: 28.NOV.2022 17:50:19

Middle Channel / 10MHz / 64QAM

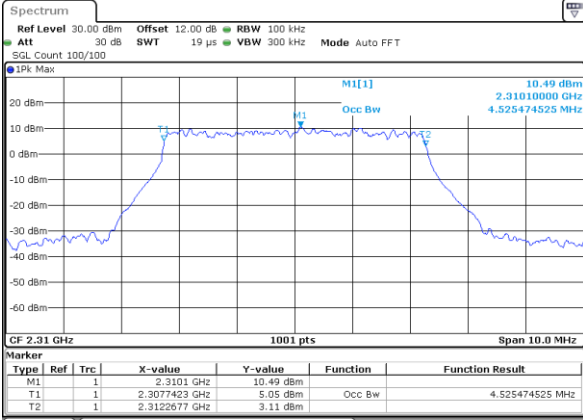


Date: 28.NOV.2022 17:55:159



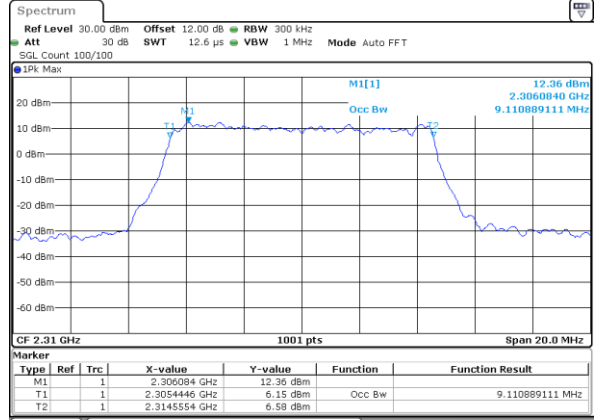
LTE Band 30

Middle Channel / 5MHz / 256QAM



Date: 28,NOV,2022 17:54:31

Middle Channel / 10MHz / 256QAM



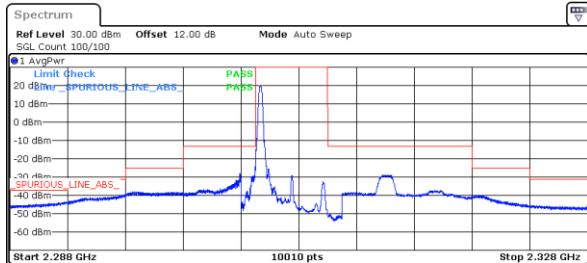
Date: 28,NOV,2022 18:00:28



# Conducted Band Edge

## LTE Band 30 / 5MHz / QPSK

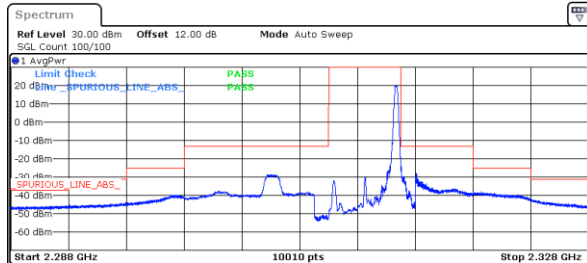
### Lowest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.288 GHz	2.292 GHz	1.000 MHz	2.29192 GHz	-43.57 dBm	-6.57 dB
2.292 GHz	2.296 GHz	1.000 MHz	2.29598 GHz	-39.68 dBm	-8.68 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29663 GHz	-38.00 dBm	-13.00 dB
2.300 GHz	2.304 GHz	1.000 MHz	2.30390 GHz	-28.06 dBm	-15.06 dB
2.304 GHz	2.305 GHz	50.000 kHz	2.30500 GHz	-23.56 dBm	-10.56 dB
2.305 GHz	2.310 GHz	100.000 kHz	2.30537 GHz	19.95 dBm	-10.05 dB
2.310 GHz	2.311 GHz	50.000 kHz	2.31012 GHz	-49.99 dBm	-36.99 dB
2.311 GHz	2.320 GHz	1.000 MHz	2.31437 GHz	-28.76 dBm	-15.76 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32024 GHz	-40.08 dBm	-15.08 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32417 GHz	-45.54 dBm	-14.54 dB

Date: 28.NOV.2022 17:04:52

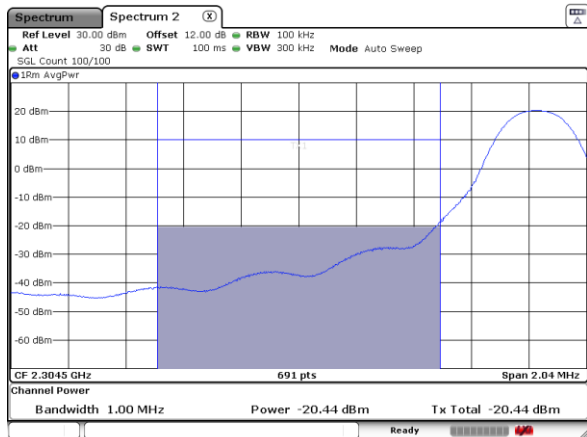
### Highest Band Edge / 1 RB



Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
2.288 GHz	2.292 GHz	1.000 MHz	2.29179 GHz	-45.69 dBm	-8.69 dB
2.292 GHz	2.296 GHz	1.000 MHz	2.29595 GHz	-44.17 dBm	-13.17 dB
2.296 GHz	2.300 GHz	1.000 MHz	2.29925 GHz	-39.83 dBm	-14.83 dB
2.300 GHz	2.309 GHz	1.000 MHz	2.30575 GHz	-26.63 dBm	-15.63 dB
2.309 GHz	2.310 GHz	50.000 kHz	2.30902 GHz	-50.89 dBm	-37.89 dB
2.310 GHz	2.315 GHz	100.000 kHz	2.31466 GHz	20.33 dBm	-9.67 dB
2.315 GHz	2.316 GHz	50.000 kHz	2.31501 GHz	-24.53 dBm	-11.53 dB
2.316 GHz	2.320 GHz	1.000 MHz	2.31605 GHz	-26.17 dBm	-15.17 dB
2.320 GHz	2.324 GHz	1.000 MHz	2.32055 GHz	-38.01 dBm	-13.01 dB
2.324 GHz	2.328 GHz	1.000 MHz	2.32405 GHz	-42.24 dBm	-11.24 dB

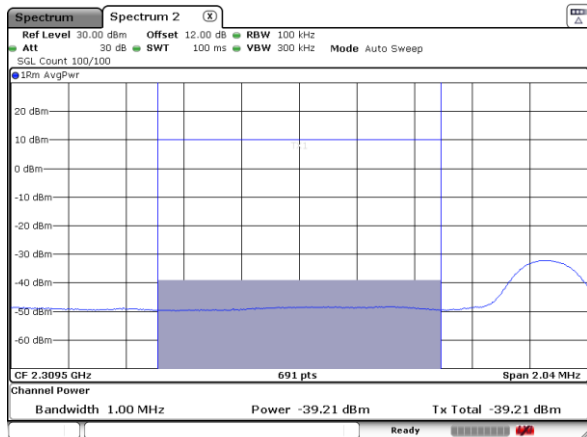
Date: 28.NOV.2022 17:11:12

### Lowest Band Edge / 1 RB / Lower zoom in



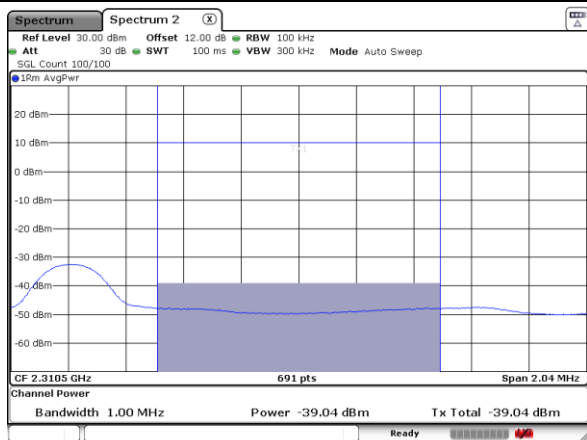
Date: 2.DEC.2022 23:46:48

### Highest Band Edge / 1 RB / Lower zoom in



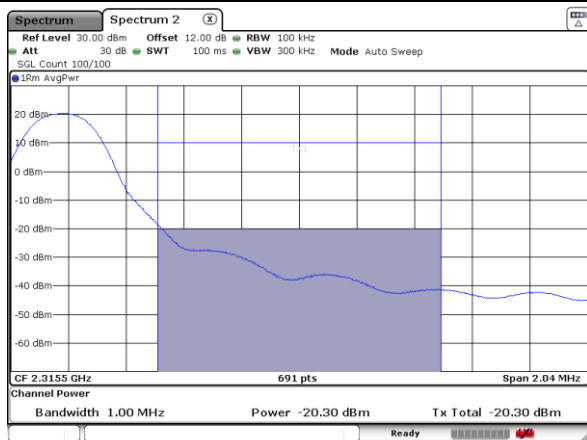
Date: 2.DEC.2022 23:41:11

### Lowest Band Edge / 1 RB / Upper zoom in



Date: 2.DEC.2022 23:45:35

### Highest Band Edge / 1 RB / Upper zoom in

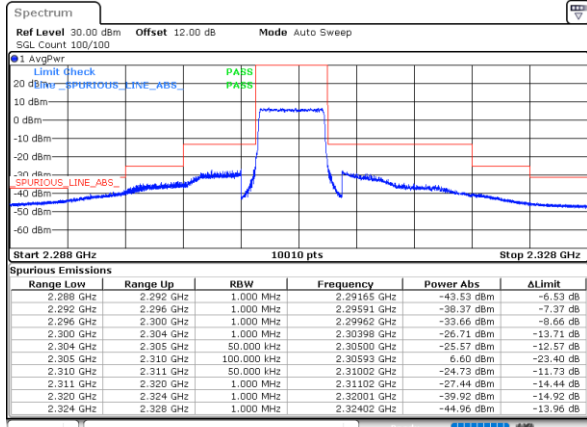


Date: 2.DEC.2022 23:42:11



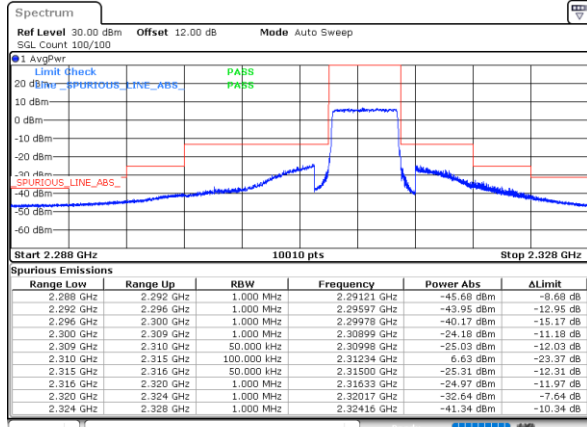
LTE Band 30 / 5MHz / QPSK

Lowest Band Edge / Full RB



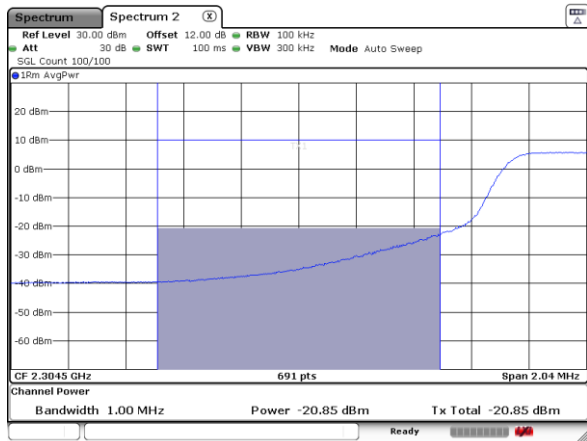
Date: 28.NOV.2022 17:31:20

Highest Band Edge / Full RB



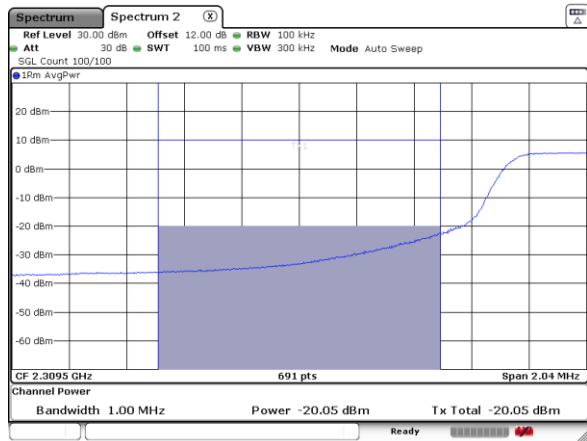
Date: 28.NOV.2022 17:11:50

Lowest Band Edge / Full RB / Lower zoom in



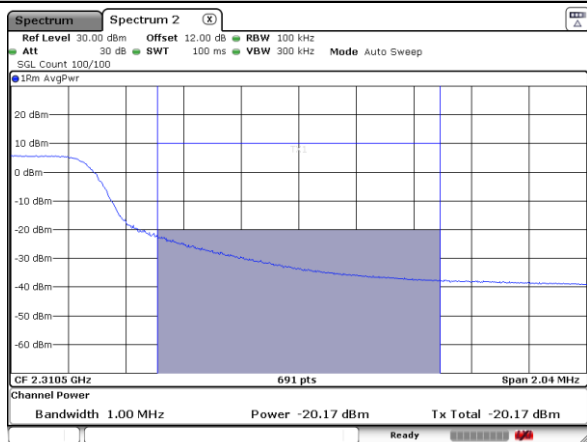
Date: 2.DEC.2022 23:47:56

Highest Band Edge / Full RB / Lower zoom in



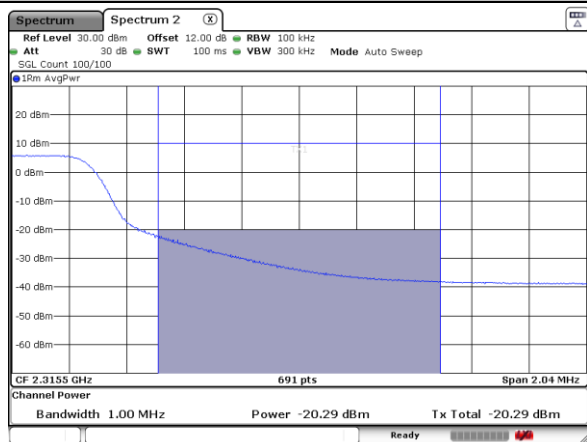
Date: 2.DEC.2022 23:44:06

Lowest Band Edge / Full RB / Upper zoom in



Date: 2.DEC.2022 23:48:45

Highest Band Edge / Full RB / Upper zoom in

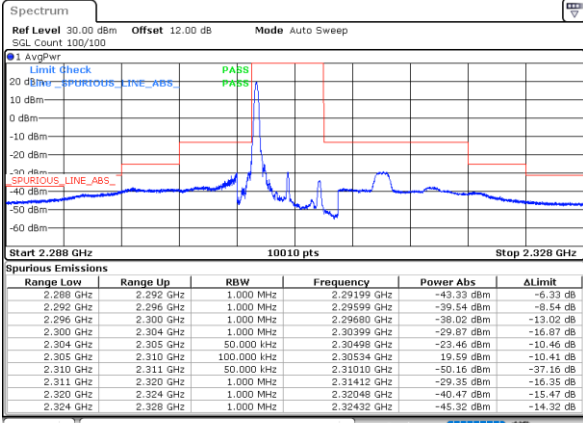


Date: 2.DEC.2022 23:42:39



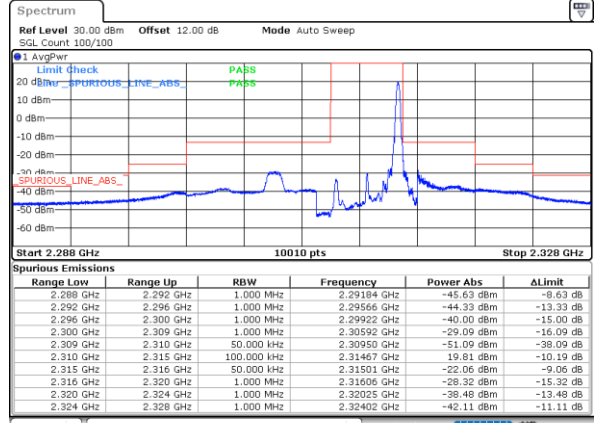
LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / 1 RB



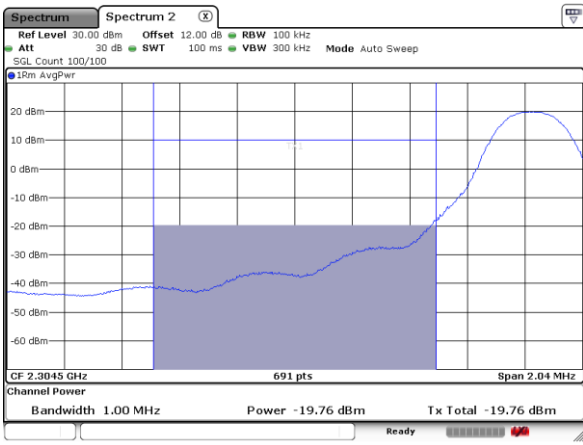
Date: 28.NOV.2022 17:05:46

Highest Band Edge / 1 RB



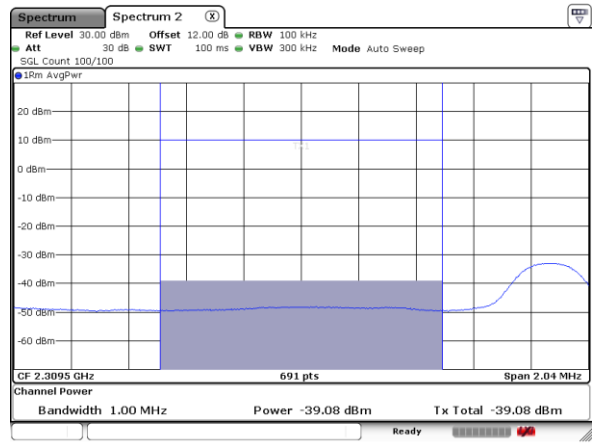
Date: 28.NOV.2022 17:35:51

Lowest Band Edge / 1 RB / Lower zoom in



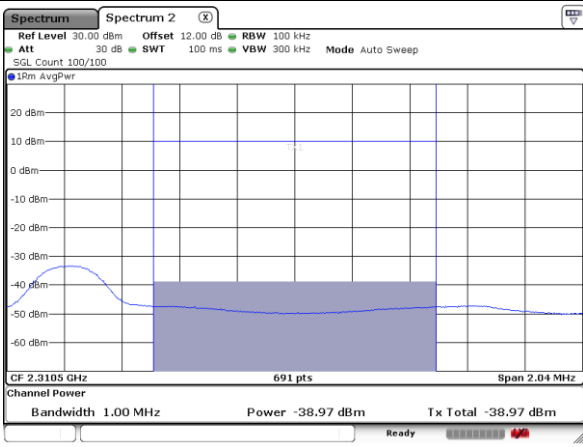
Date: 6.DEC.2022 22:28:12

Highest Band Edge / 1 RB / Lower zoom in



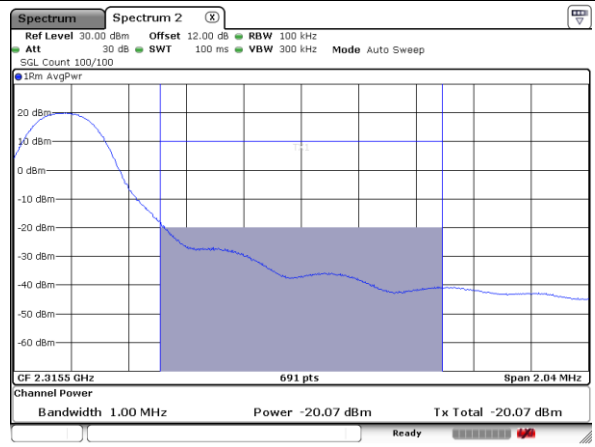
Date: 6.DEC.2022 22:13:14

Lowest Band Edge / 1 RB / Upper zoom in



Date: 6.DEC.2022 22:42:07

Highest Band Edge / 1 RB / Upper zoom in

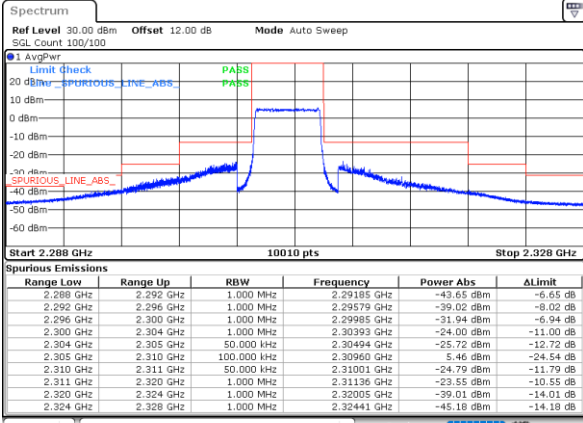


Date: 6.DEC.2022 22:17:02



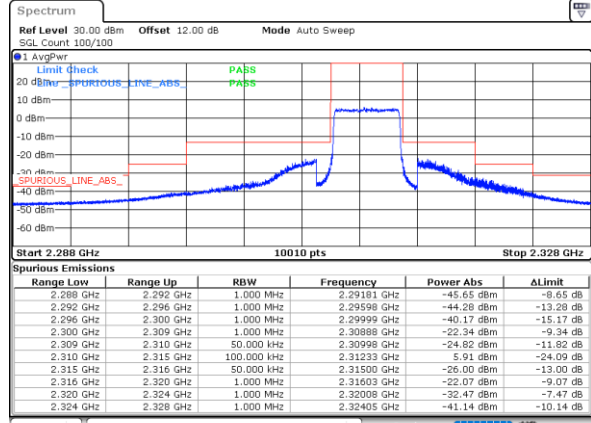
LTE Band 30 / 5MHz / 16QAM

Lowest Band Edge / Full RB



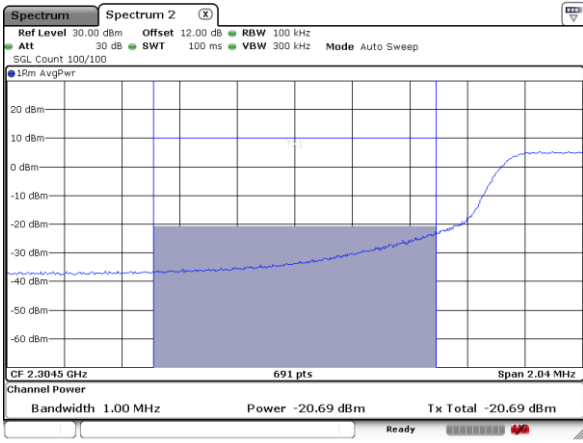
Date: 28.NOV.2022 17:32:13

Highest Band Edge / Full RB



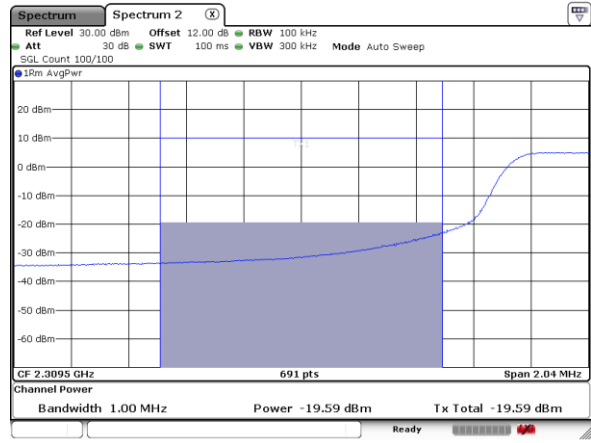
Date: 28.NOV.2022 17:16:45

Lowest Band Edge / Full RB / Lower zoom in



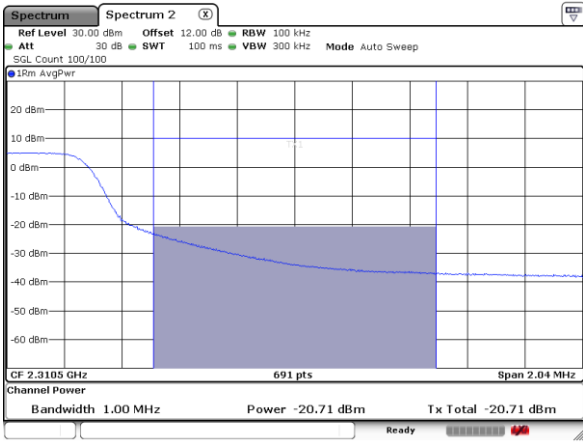
Date: 6.DEC.2022 22:55:29

Highest Band Edge / Full RB / Lower zoom in



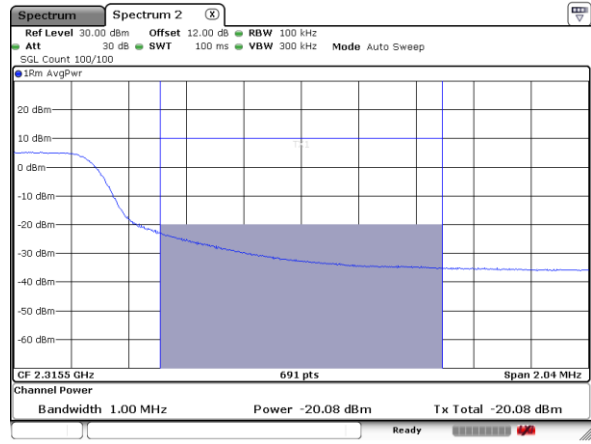
Date: 6.DEC.2022 22:24:32

Lowest Band Edge / Full RB / Upper zoom in



Date: 6.DEC.2022 22:53:16

Highest Band Edge / Full RB / Upper zoom in

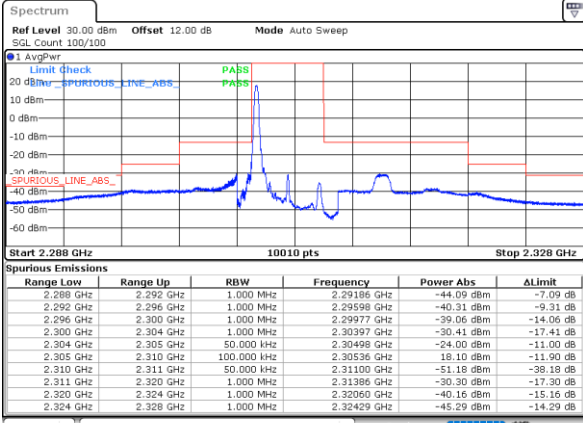


Date: 6.DEC.2022 22:21:44



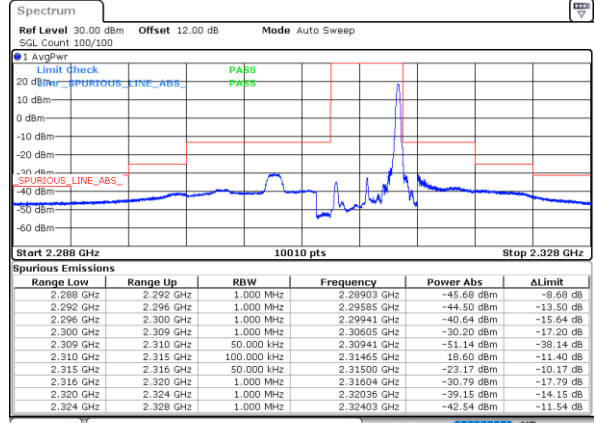
LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / 1 RB



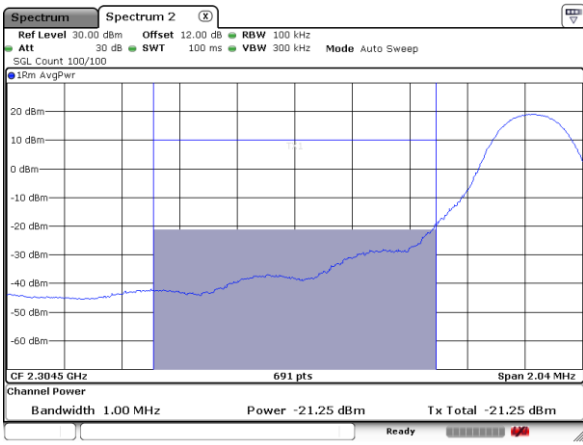
Date: 28.NOV.2022 17:29:32

Highest Band Edge / 1 RB



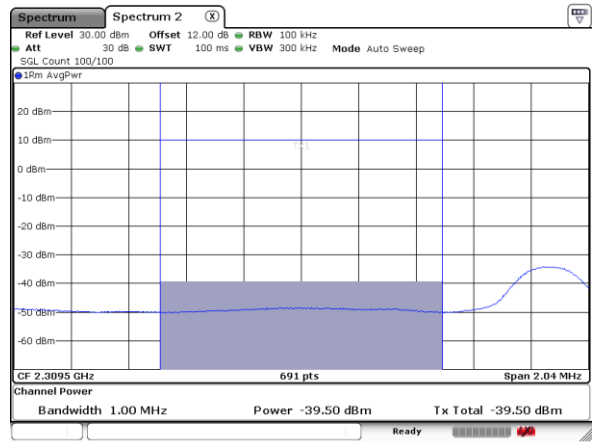
Date: 28.NOV.2022 17:14:00

Lowest Band Edge / 1 RB / Lower zoom in



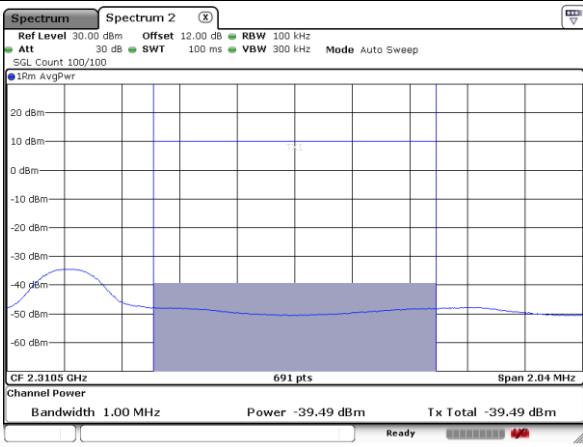
Date: 6.DEC.2022 22:28:44

Highest Band Edge / 1 RB / Lower zoom in



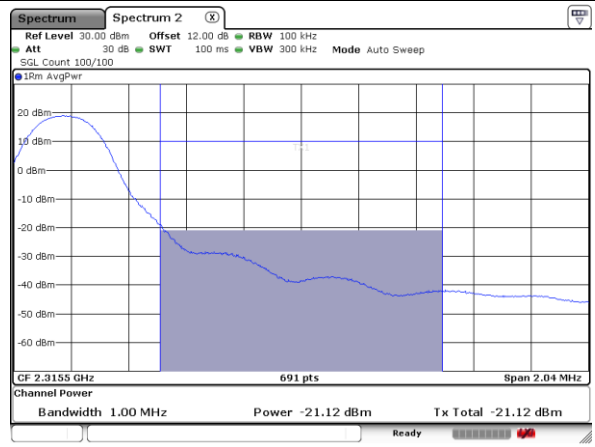
Date: 6.DEC.2022 22:13:50

Lowest Band Edge / 1 RB / Upper zoom in



Date: 6.DEC.2022 22:43:24

Highest Band Edge / 1 RB / Upper zoom in



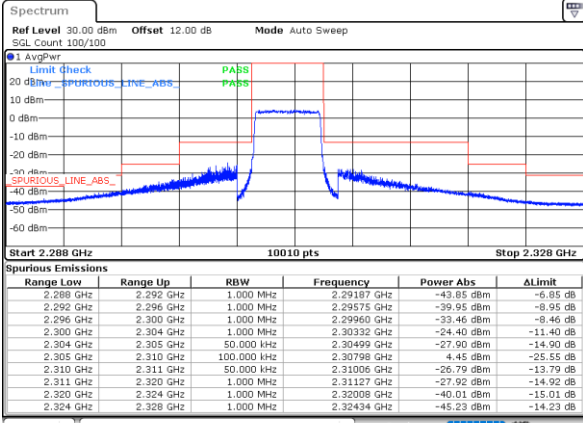
Date: 6.DEC.2022 22:17:57





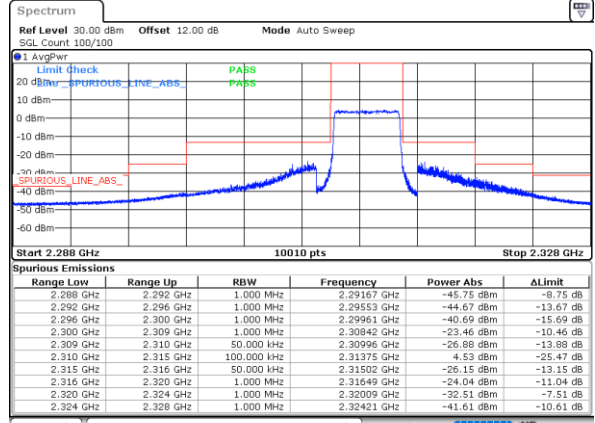
LTE Band 30 / 5MHz / 64QAM

Lowest Band Edge / Full RB



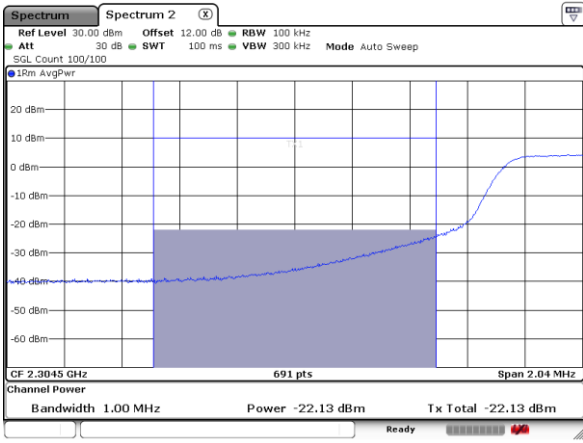
Date: 28.NOV.2022 17:10:21

Highest Band Edge / Full RB



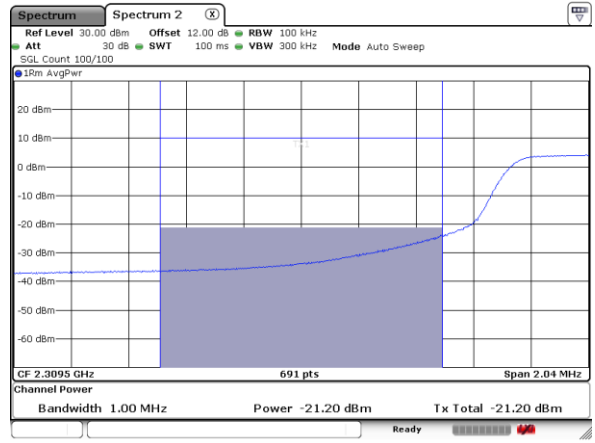
Date: 28.NOV.2022 17:14:10

Lowest Band Edge / Full RB / Lower zoom in



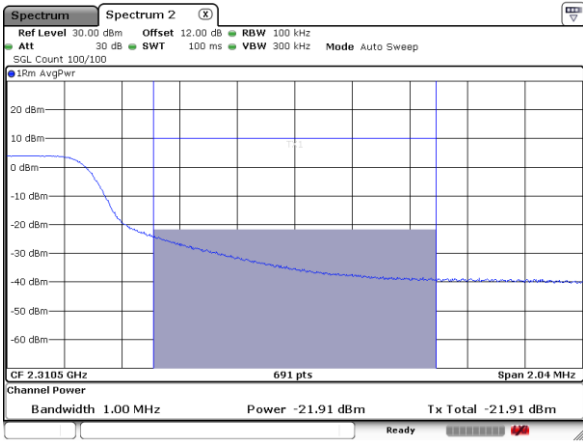
Date: 6.DEC.2022 22:56:05

Highest Band Edge / Full RB / Lower zoom in



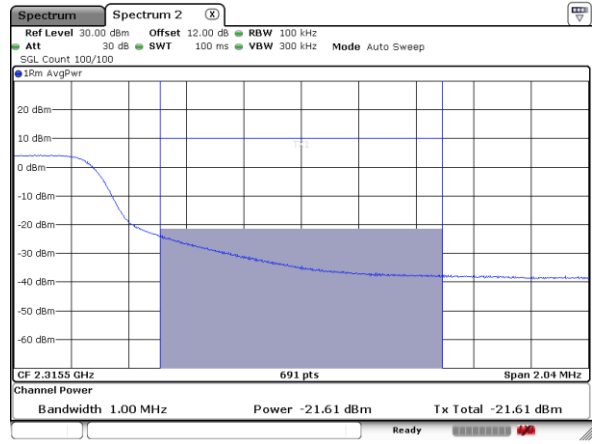
Date: 6.DEC.2022 22:26:28

Lowest Band Edge / Full RB / Upper zoom in



Date: 6.DEC.2022 22:54:07

Highest Band Edge / Full RB / Upper zoom in

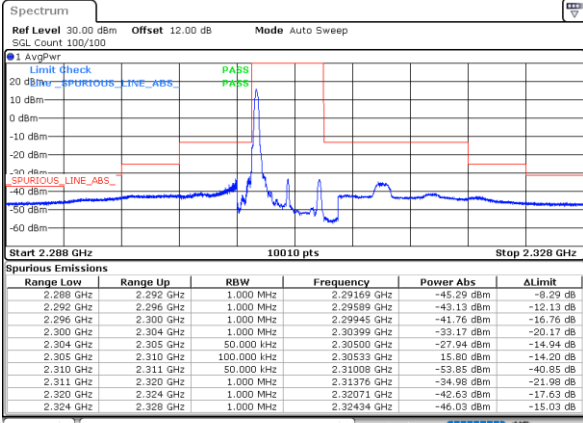


Date: 6.DEC.2022 22:22:31



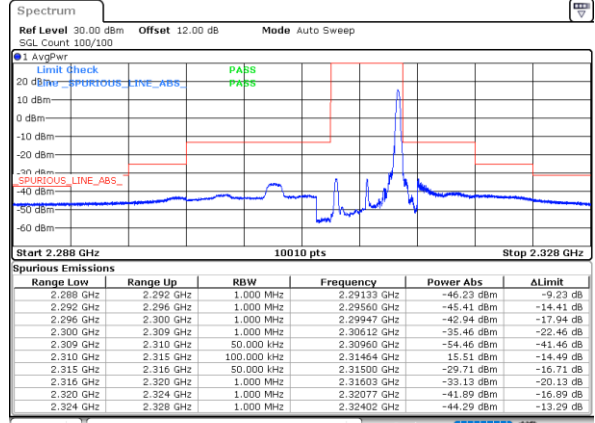
LTE Band 30 / 5MHz / 256QAM

Lowest Band Edge / 1 RB



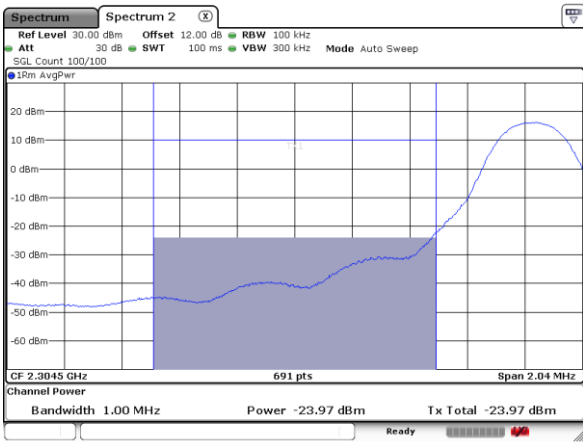
Date: 28.NOV.2022 17:30:26

Highest Band Edge / 1 RB



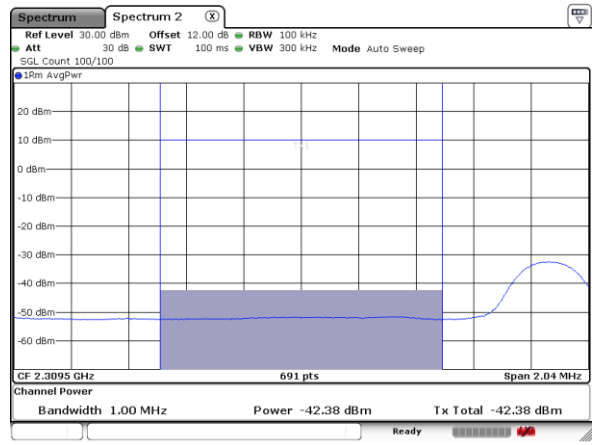
Date: 28.NOV.2022 17:14:56

Lowest Band Edge / 1 RB / Lower zoom in



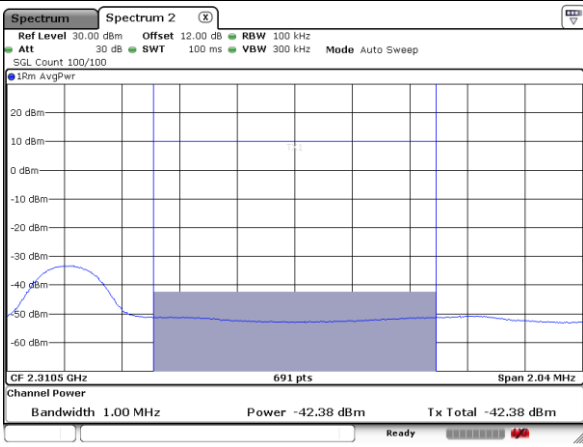
Date: 6.DEC.2022 22:40:11

Highest Band Edge / 1 RB / Lower zoom in



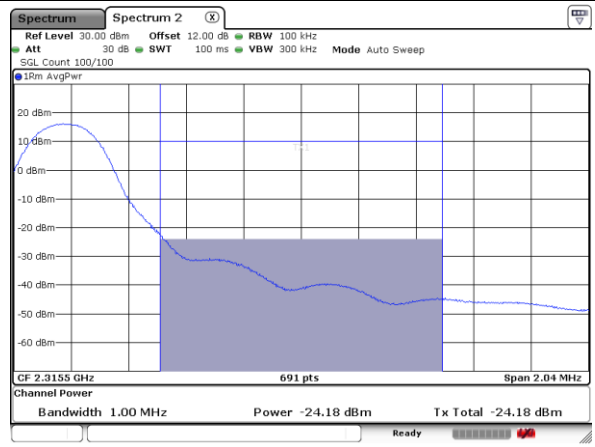
Date: 6.DEC.2022 22:14:51

Lowest Band Edge / 1 RB / Upper zoom in



Date: 6.DEC.2022 22:46:46

Highest Band Edge / 1 RB / Upper zoom in

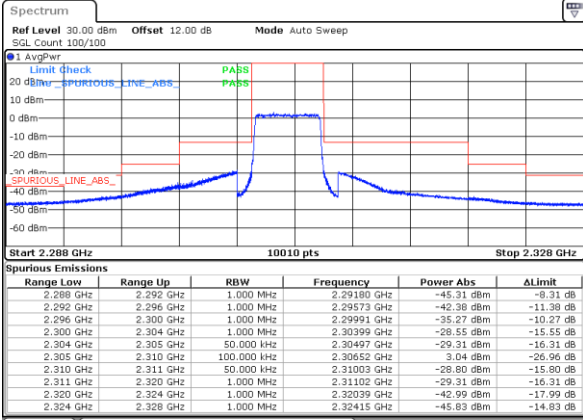


Date: 6.DEC.2022 22:18:25



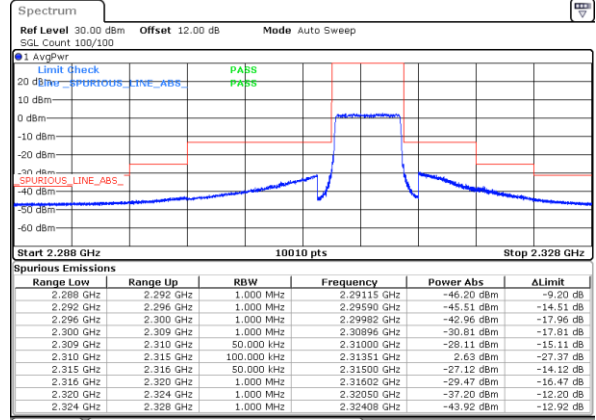
LTE Band 30 / 5MHz / 256QAM

Lowest Band Edge / Full RB



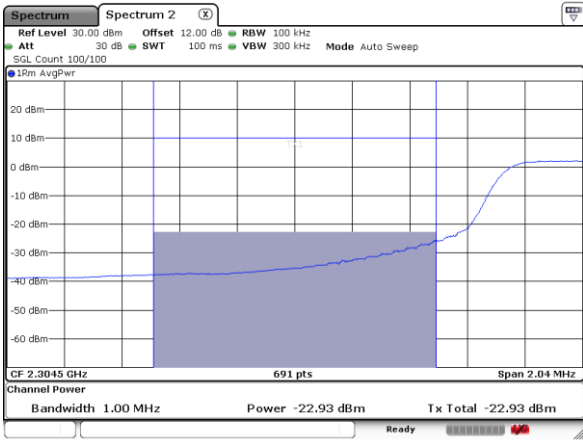
Date: 28.NOV.2022 17:11:16

Highest Band Edge / Full RB



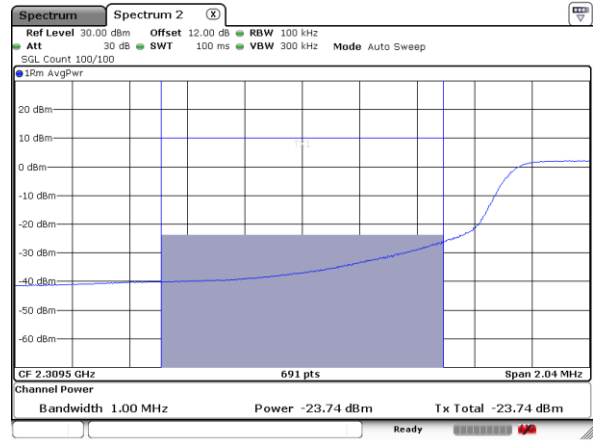
Date: 28.NOV.2022 17:18:35

Lowest Band Edge / Full RB / Lower zoom in



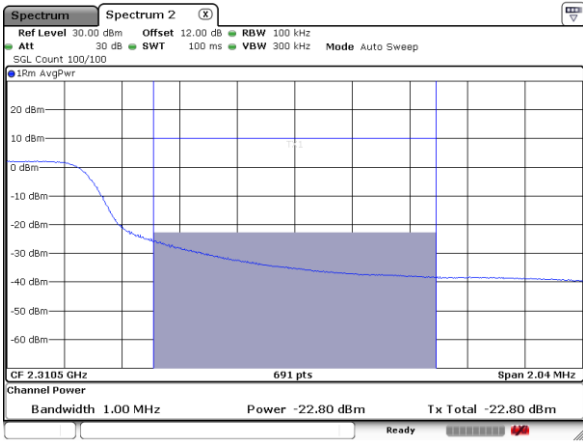
Date: 6.DEC.2022 22:57:29

Highest Band Edge / Full RB / Lower zoom in



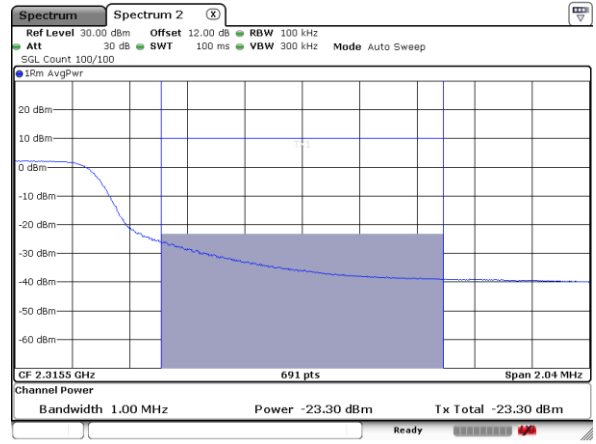
Date: 6.DEC.2022 22:27:08

Lowest Band Edge / Full RB / Upper zoom in

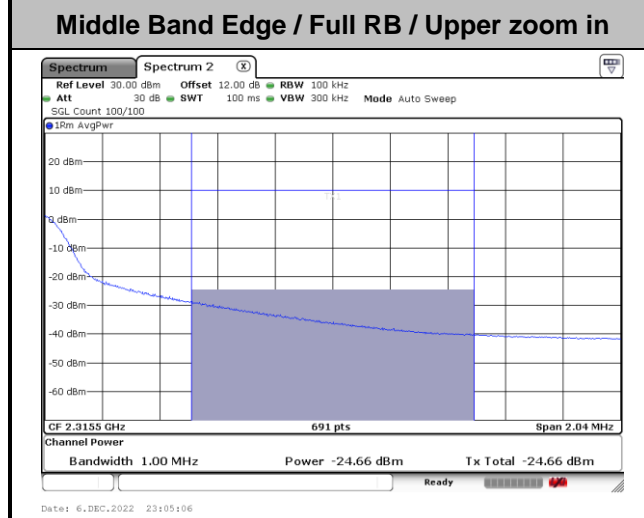
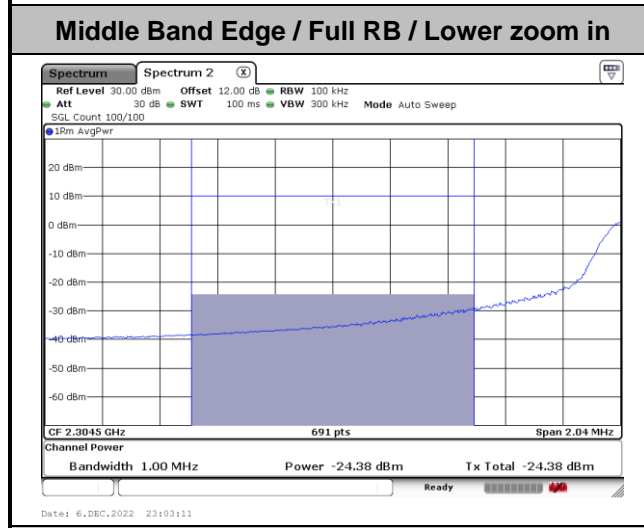
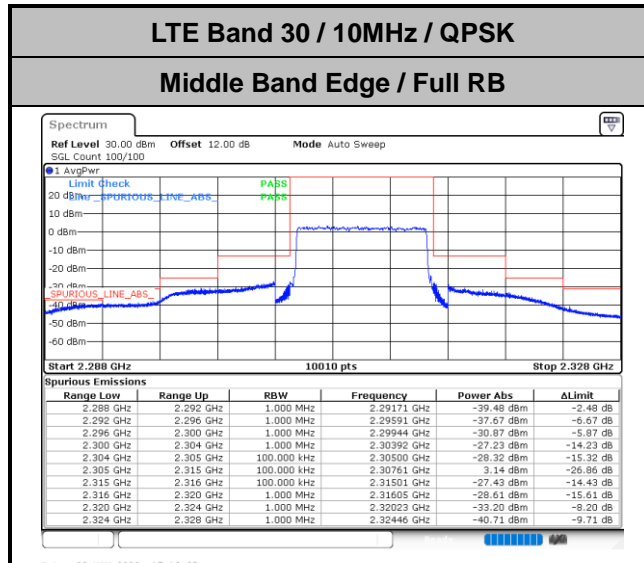


Date: 6.DEC.2022 22:54:47

Highest Band Edge / Full RB / Upper zoom in



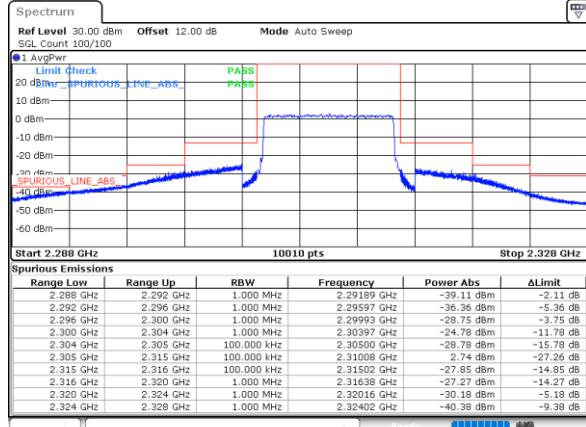
Date: 6.DEC.2022 22:23:02



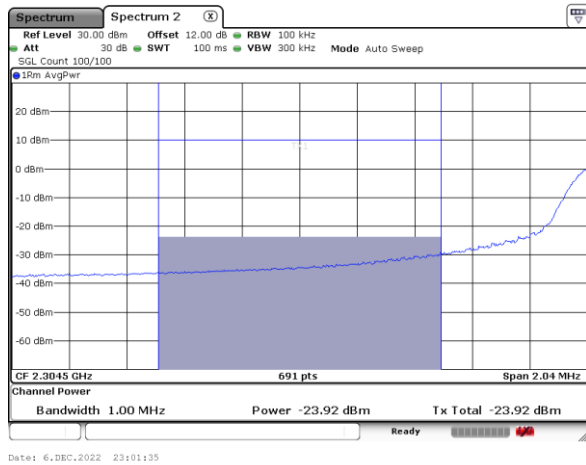


LTE Band 30 / 10MHz / 16QAM

Middle Band Edge / Full RB



Middle Band Edge / Full RB / Lower zoom in



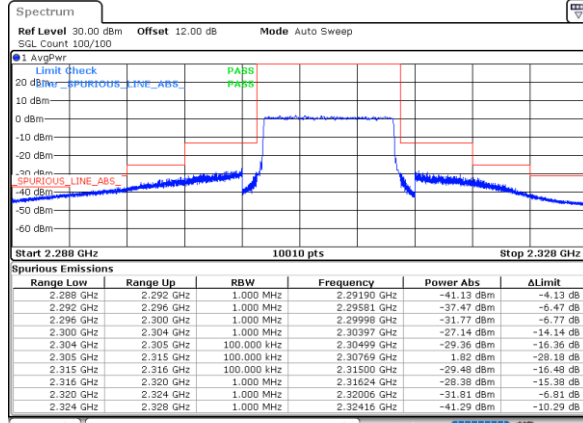
Middle Band Edge / Full RB / Upper zoom in





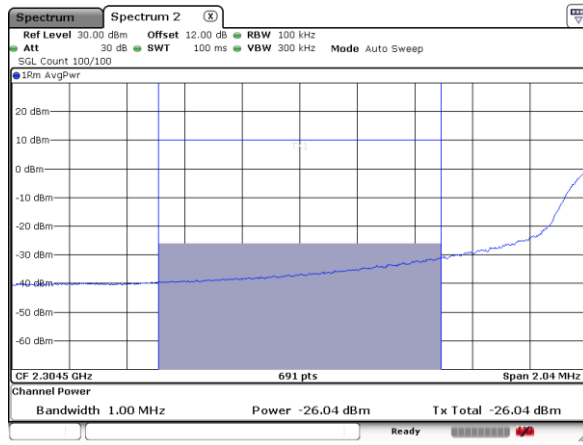
LTE Band 30 / 10MHz / 64QAM

Middle Band Edge / Full RB



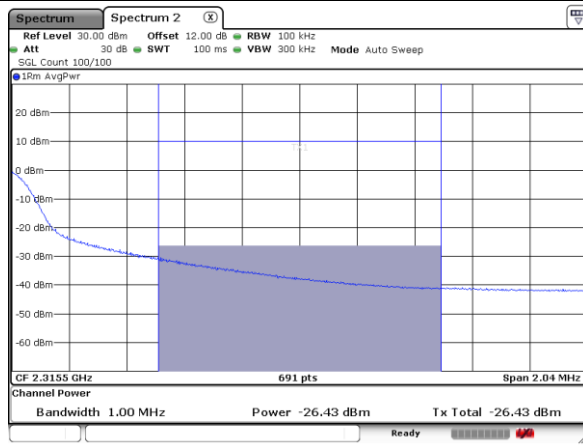
Date: 28.NOV.2022 17:43:59

Middle Band Edge / Full RB / Lower zoom in



Date: 6.DEC.2022 23:01:53

Middle Band Edge / Full RB / Upper zoom in

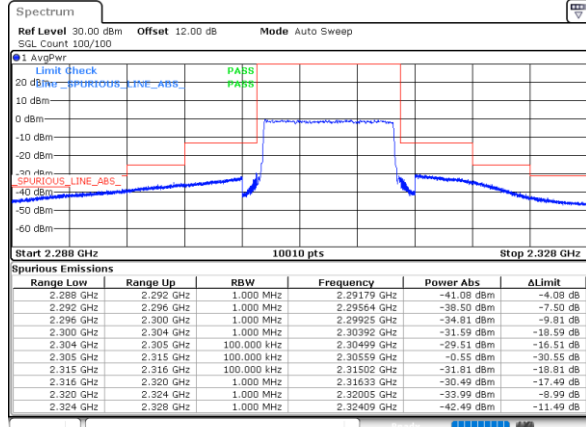


Date: 6.DEC.2022 23:06:00



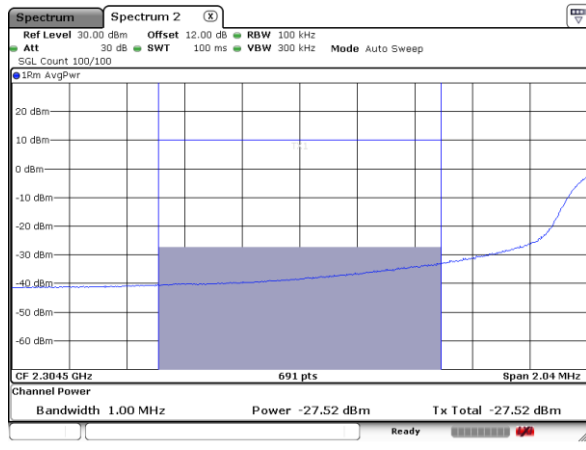
LTE Band 30 / 10MHz / 256QAM

Middle Band Edge / Full RB



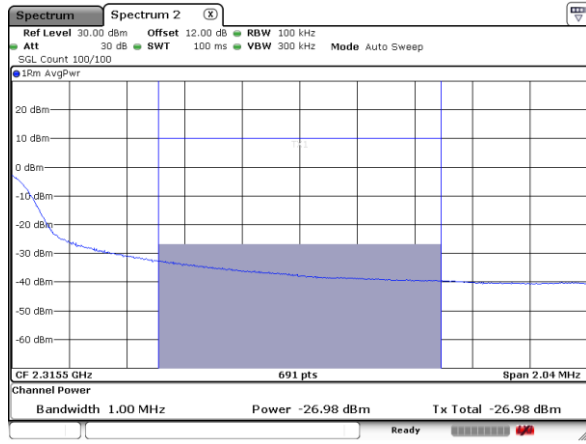
Date: 28.NOV.2022 17:44:52

Middle Band Edge / Full RB / Lower zoom in



Date: 6.DEC.2022 23:02:55

Middle Band Edge / Full RB / Upper zoom in



Date: 6.DEC.2022 23:06:28

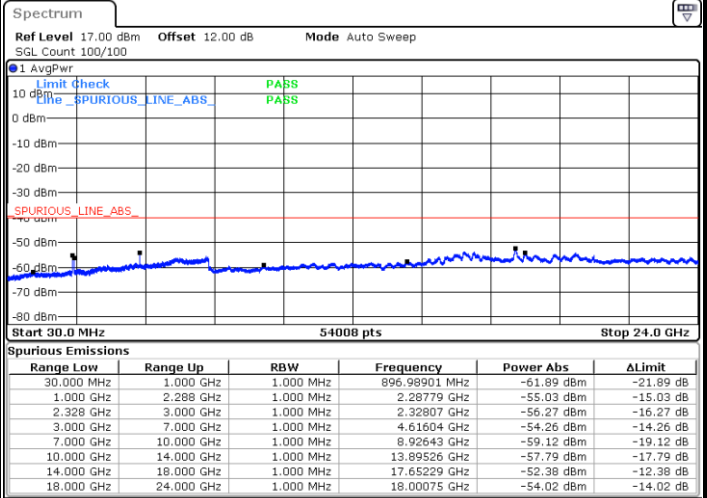
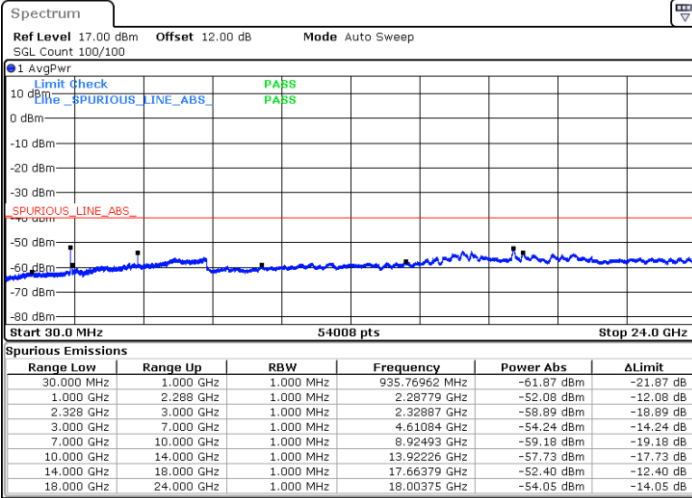


# Conducted Spurious Emission

## LTE Band 30 / 5MHz

### Lowest Channel / QPSK

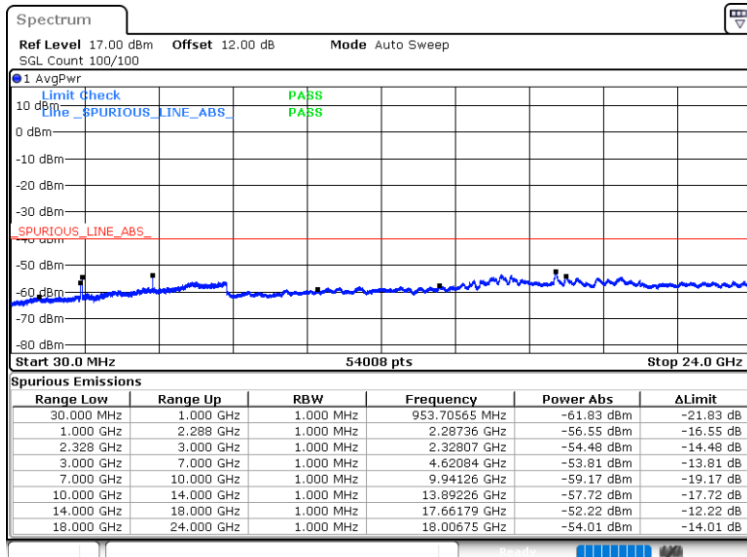
### Middle Channel / QPSK



Date: 28.NOV.2022 17:23:42

Date: 28.NOV.2022 17:25:17

### Highest Channel / QPSK



Date: 28.NOV.2022 17:48:51