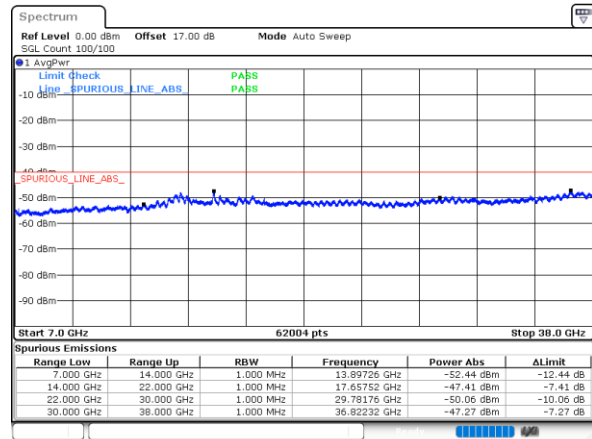
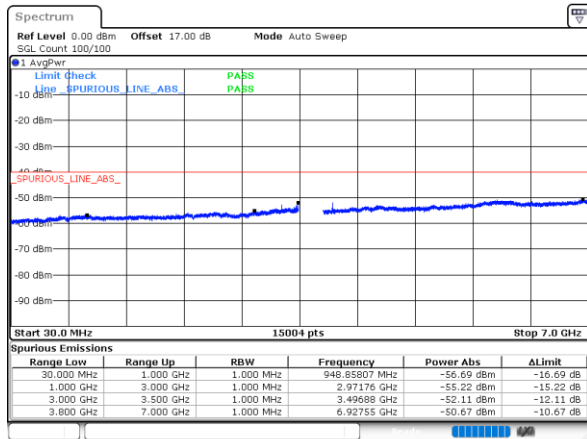




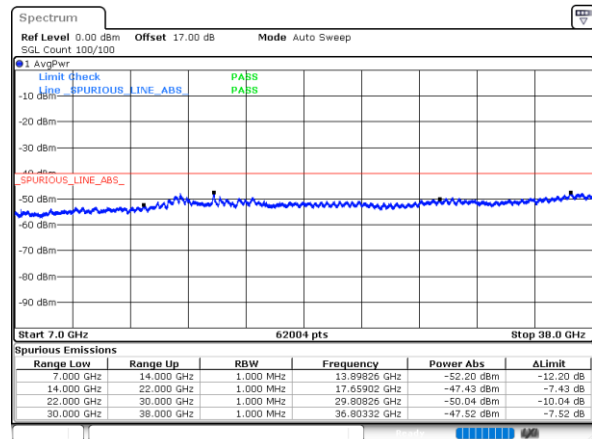
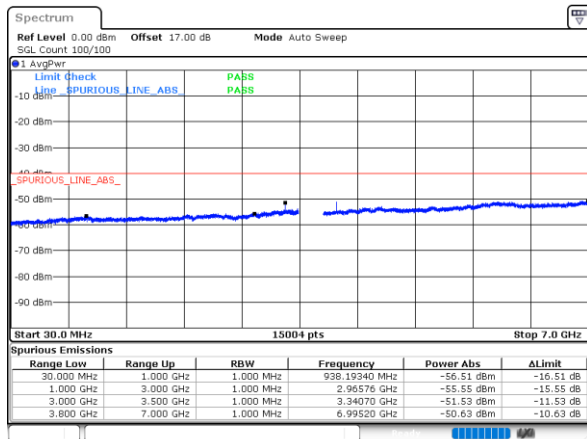
Conducted Spurious Emission

LTE Band 43 / 5MHz

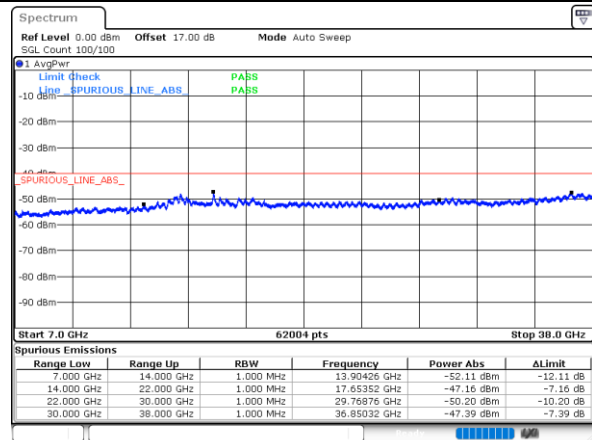
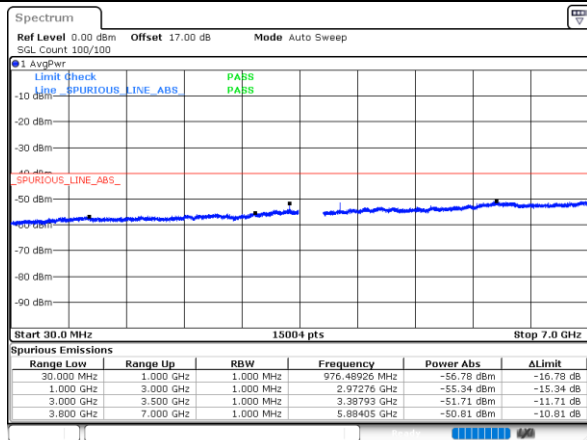
Lowest Channel / QPSK



Middle Channel / QPSK



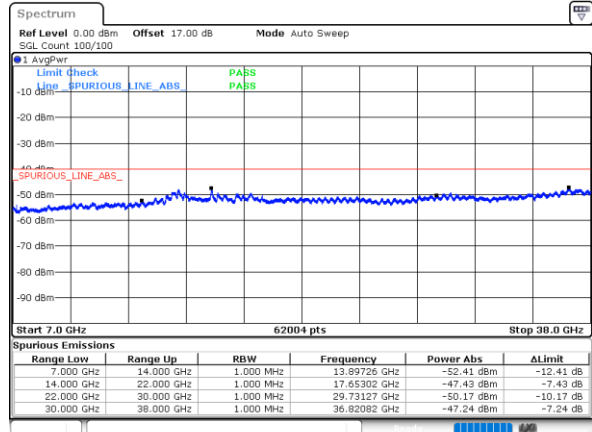
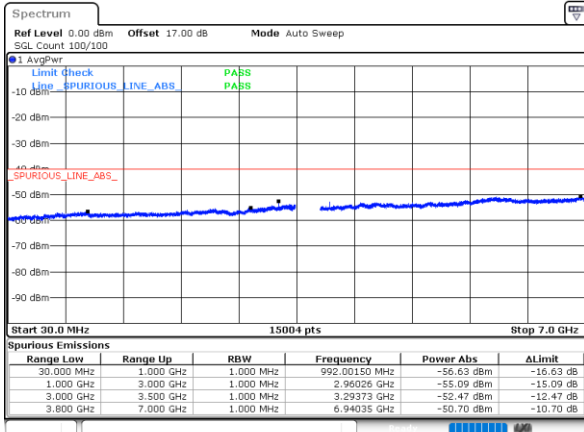
Highest Channel / QPSK



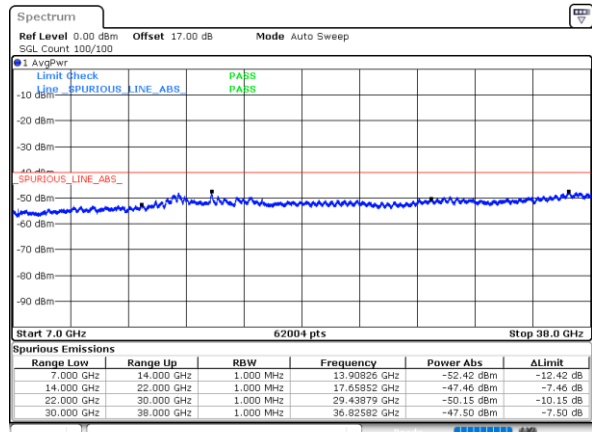
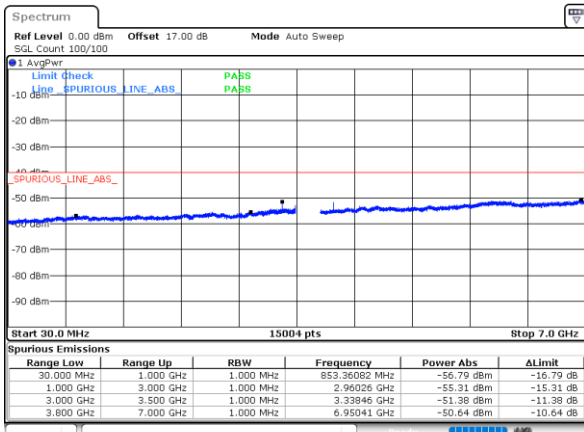


LTE Band 43 / 10MHz

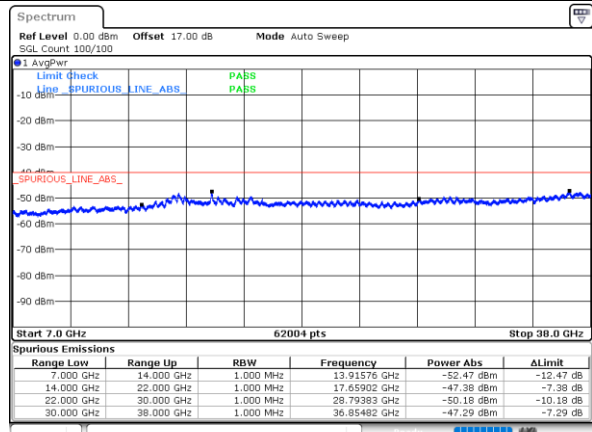
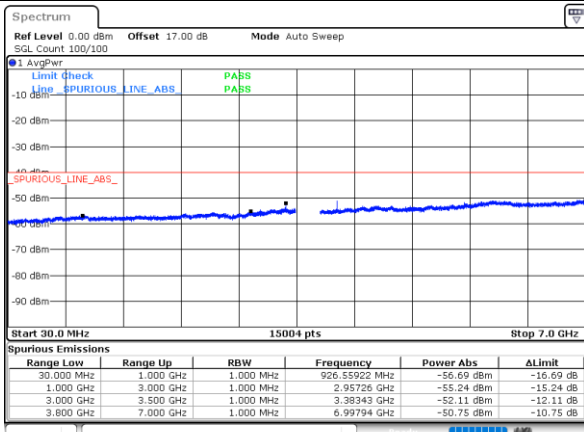
Lowest Channel / QPSK



Middle Channel / QPSK



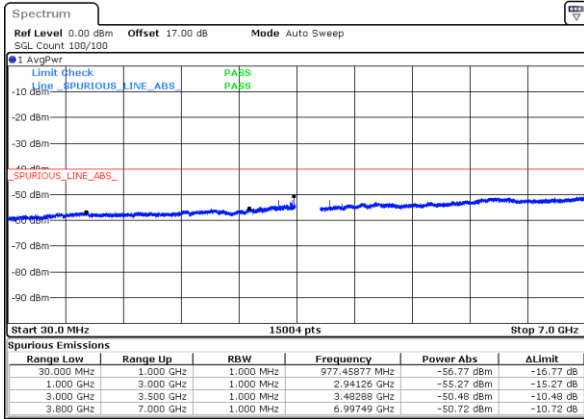
Highest Channel / QPSK



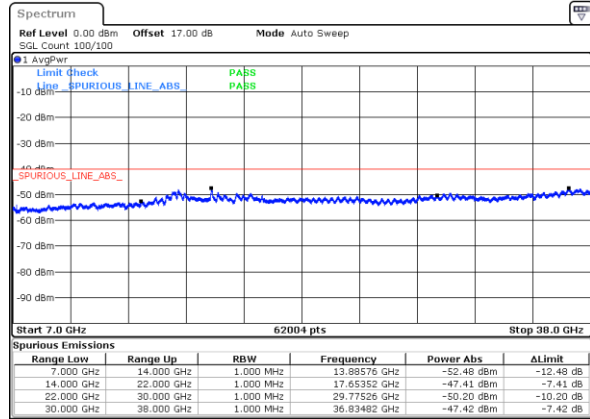


LTE Band 43 / 15MHz

Lowest Channel / QPSK

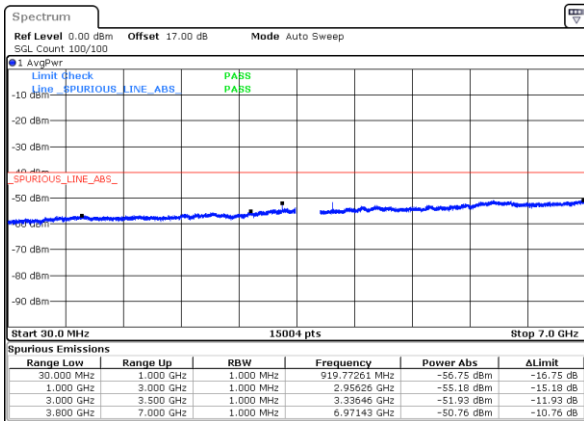


Date: 17 JUN 2025 18:36:39

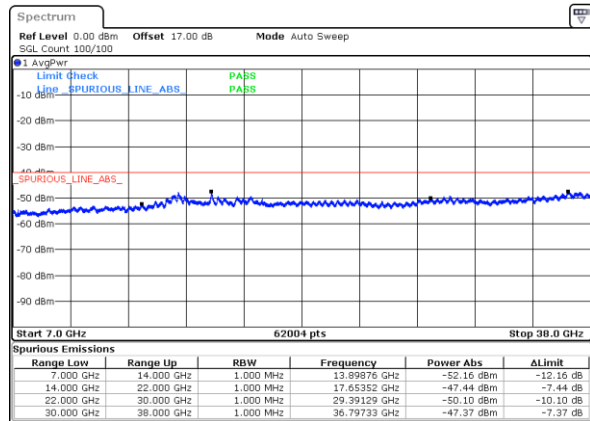


Date: 17 JUN 2025 18:56:29

Middle Channel / QPSK

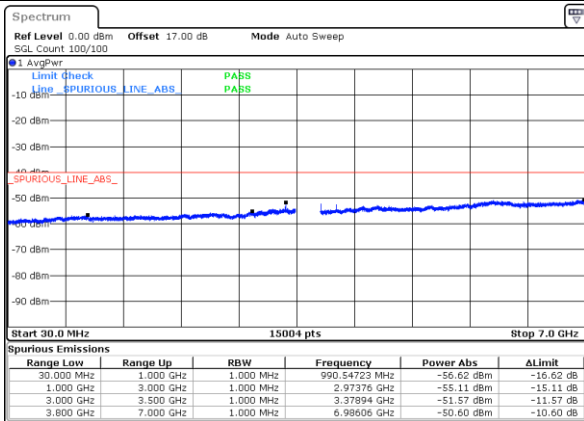


Date: 17 JUN 2025 18:38:01

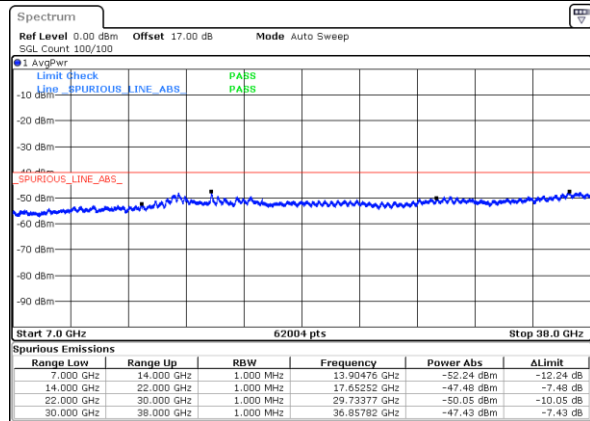


Date: 17 JUN 2025 18:57:52

Highest Channel / QPSK



Date: 17 JUN 2025 18:39:24

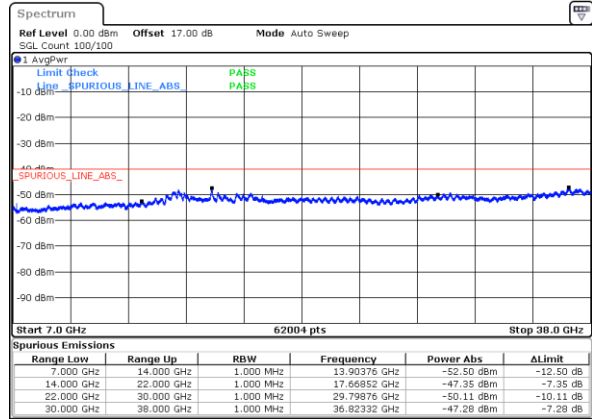
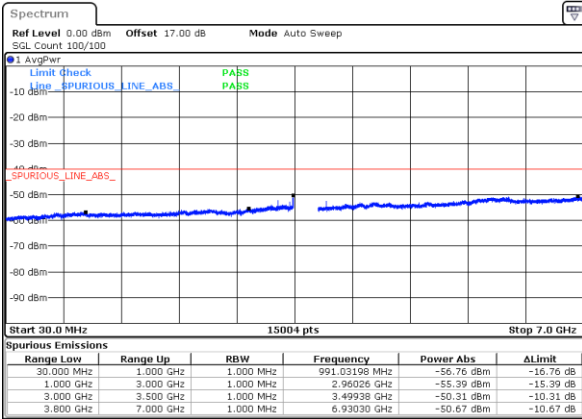


Date: 17 JUN 2025 18:59:15

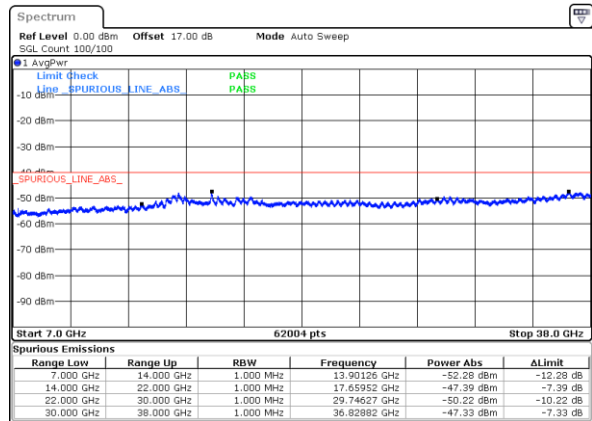
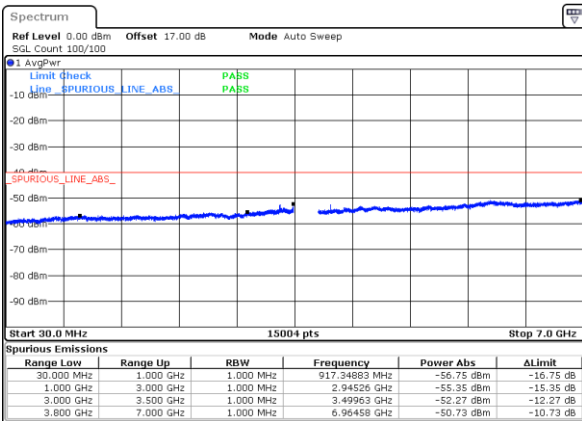


LTE Band 43 / 20MHz

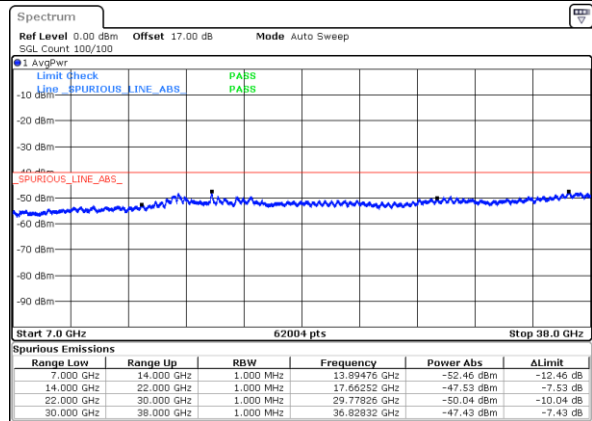
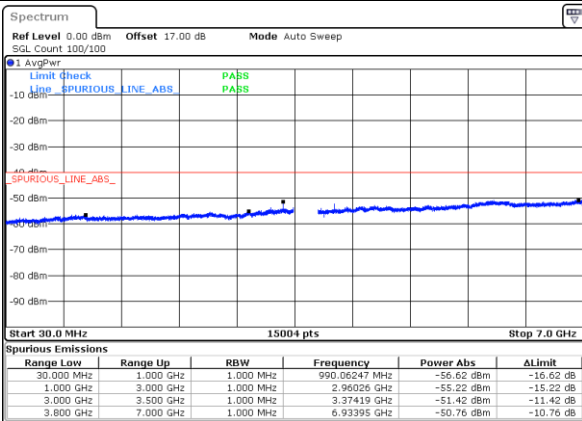
Lowest Channel / QPSK



Middle Channel / QPSK



Highest Channel / QPSK



Frequency Stability

Test Conditions		LTE Band 43 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0048	PASS
40	Normal Voltage	0.0002	
30	Normal Voltage	0.0026	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0034	
0	Normal Voltage	0.0015	
-10	Normal Voltage	0.0015	
-20	Normal Voltage	0.0005	
-30	Normal Voltage	0.0029	
20	Maximum Voltage	0.0002	
20	Normal Voltage	0.0000	
20	Minimum Voltage	0.0047	

Note:

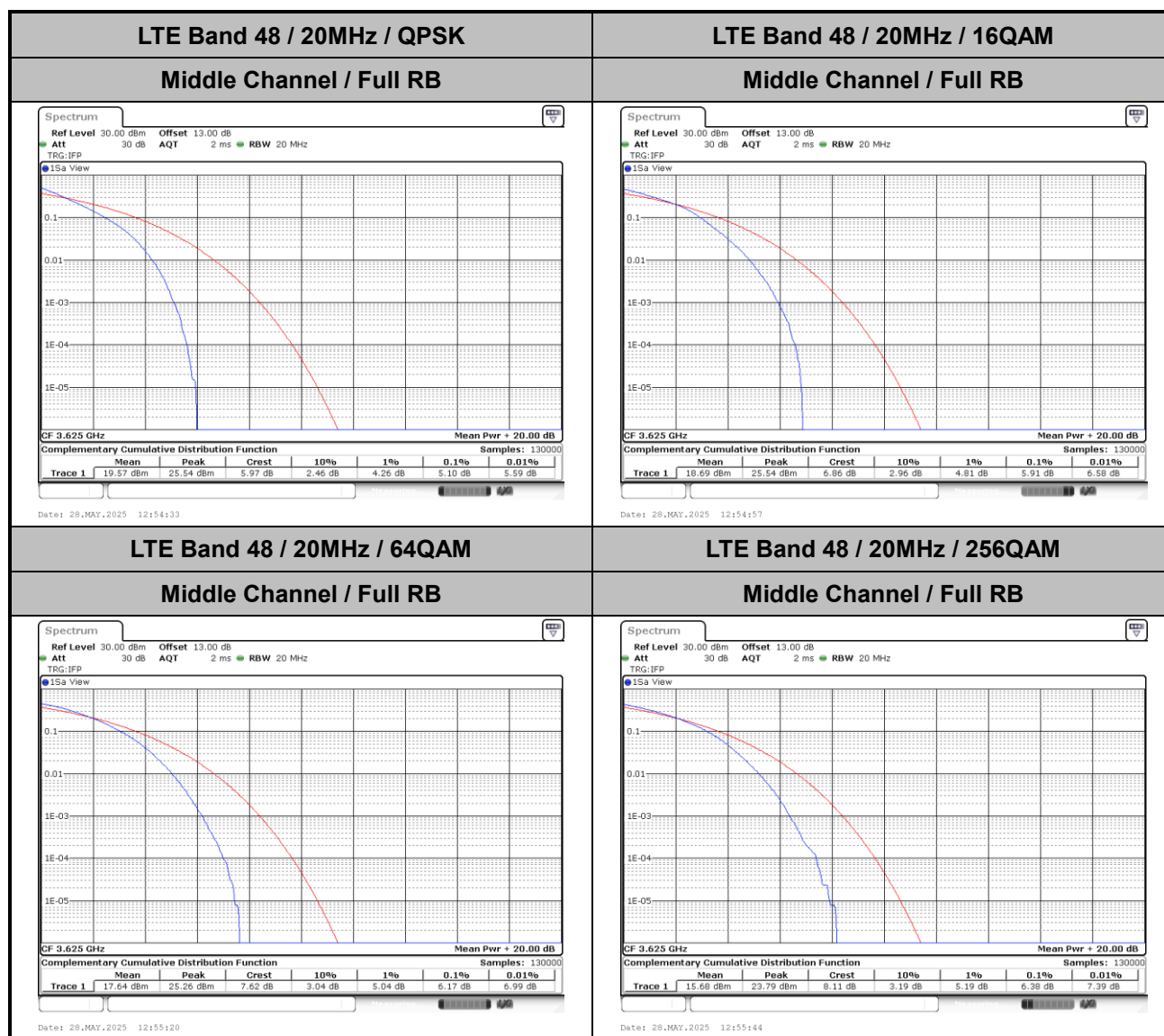
1. Normal Voltage = 3.3 V. ; Minimum Voltage = 3.135 V. ; Maximum Voltage = 3.6 V.
2. The frequency fundamental emissions stay within the authorized frequency block.



LTE Band 48

Peak-to-Average Ratio

Mode	LTE Band 48 / 20MHz				
Mod.	QPSK	16QAM	64QAM	256QAM	Limit: 13dB
RB Size	Full RB	Full RB	Full RB	Full RB	Result
Middle CH	5.10	5.91	6.17	6.38	PASS



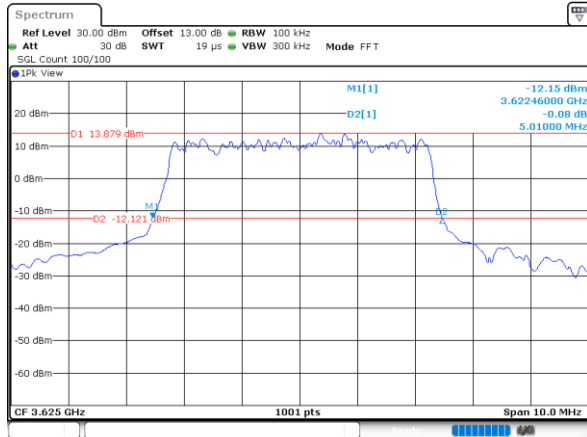
**26dB Bandwidth**

Mode	LTE Band 48 : 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	-	-	-	-	5.01	5.01	9.70	9.68	14.31	14.16	19.20	19.12
Mode	LTE Band 48 : 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	-	-	-	-	4.92	4.99	9.86	9.72	14.28	16.26	18.80	19.16



LTE Band 48

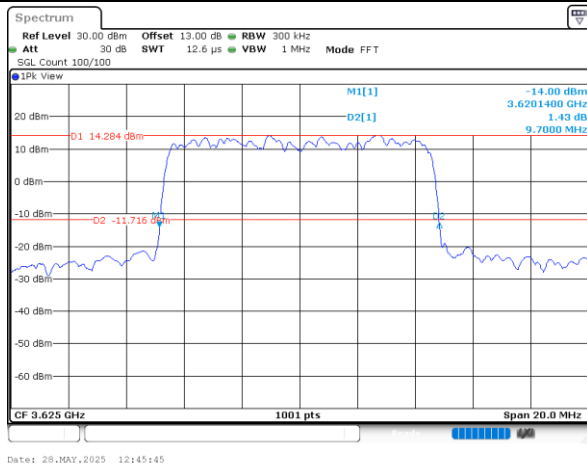
Middle Channel / 5MHz / QPSK



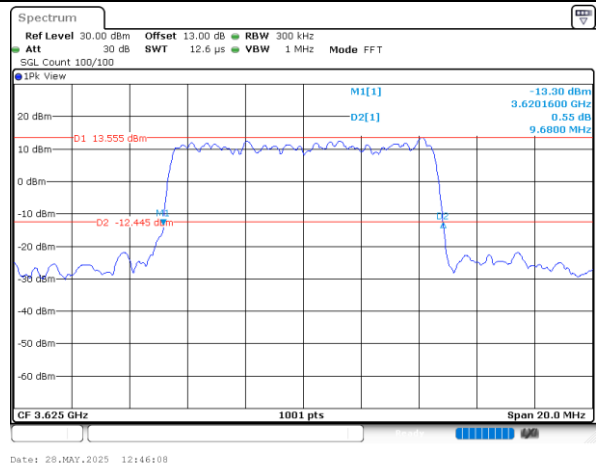
Middle Channel / 5MHz / 16QAM



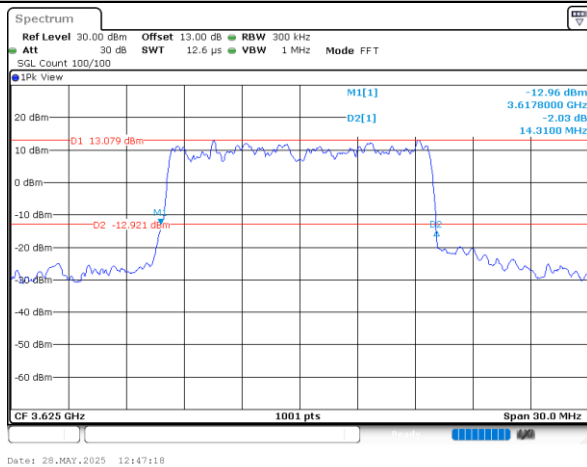
Middle Channel / 10MHz / QPSK



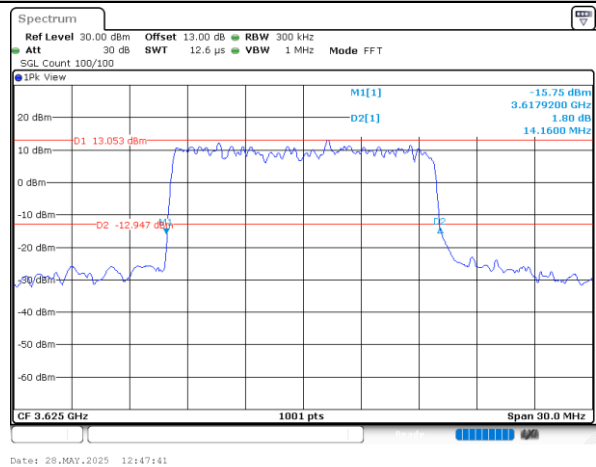
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



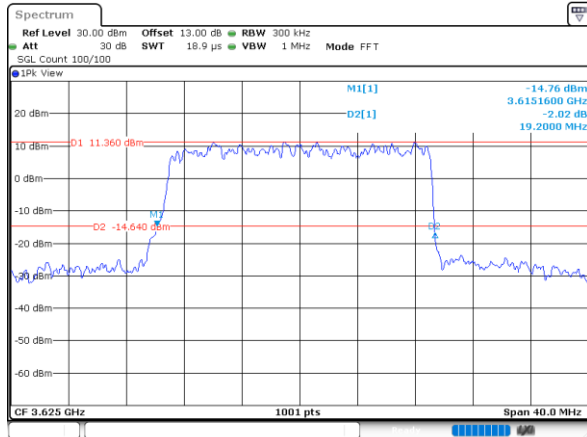
Middle Channel / 15MHz / 16QAM



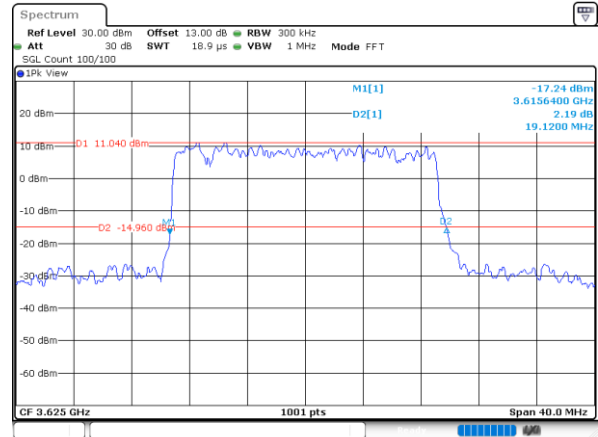


LTE Band 48

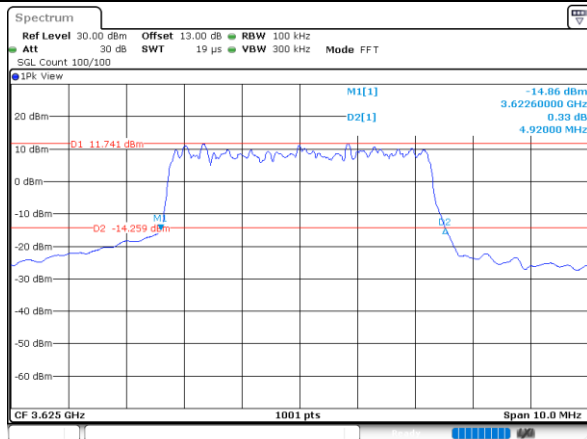
Middle Channel / 20MHz / QPSK



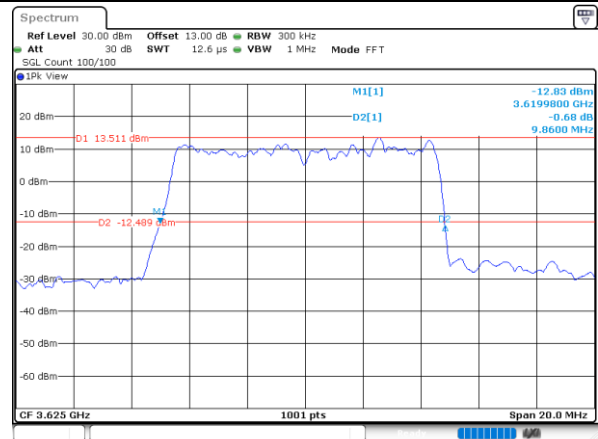
Middle Channel / 20MHz / 16QAM



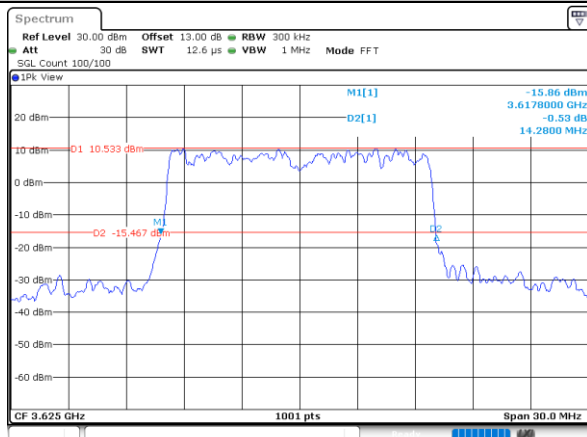
Middle Channel / 5MHz / 64QAM



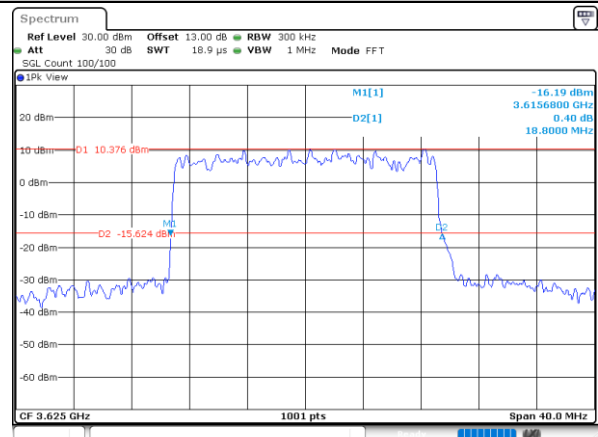
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



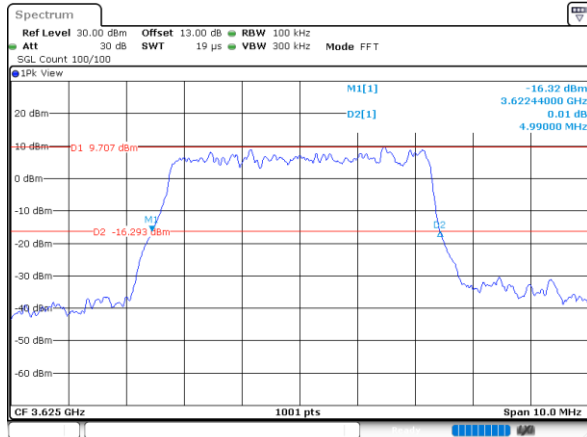
Middle Channel / 20MHz / 64QAM



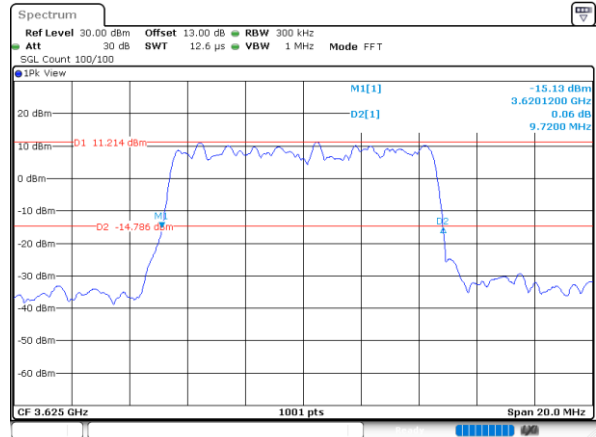


LTE Band 48

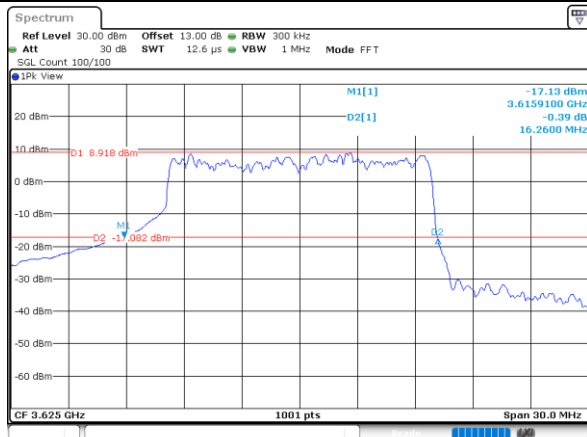
Middle Channel / 5MHz / 256QAM



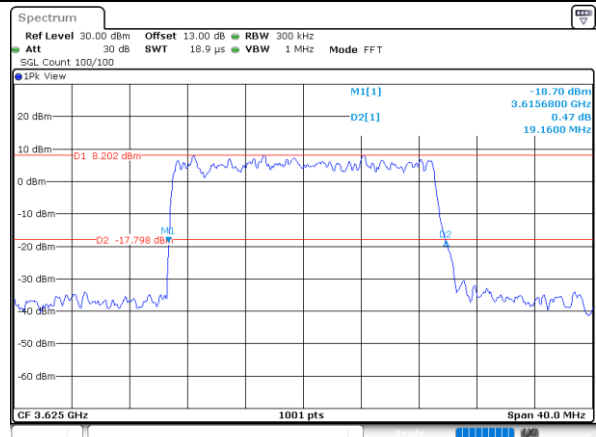
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM



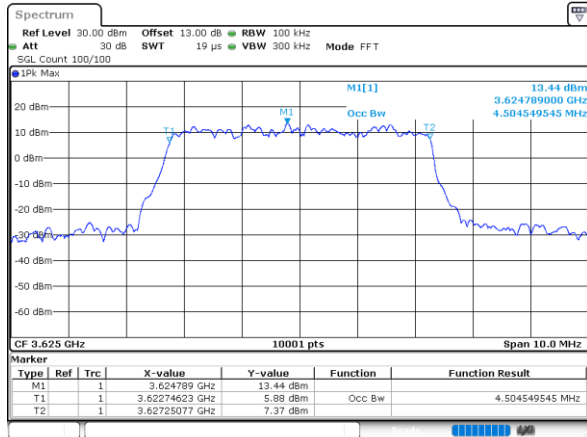
**Occupied Bandwidth**

Mode	LTE Band 48 : 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	-	-	-	-	4.50	4.50	9.08	9.03	13.42	13.46	17.81	17.85
Mode	LTE Band 48 : 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	-	-	-	-	4.50	4.45	9.03	8.98	13.47	13.50	17.89	17.83

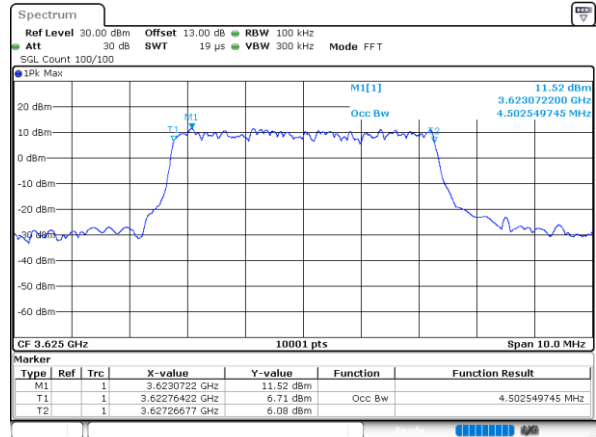


LTE Band 48

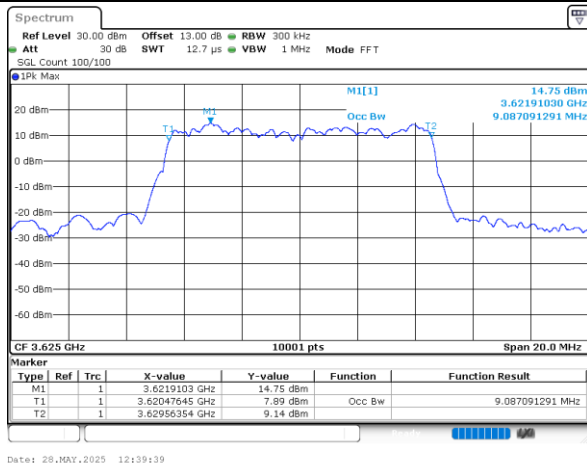
Middle Channel / 5MHz / QPSK



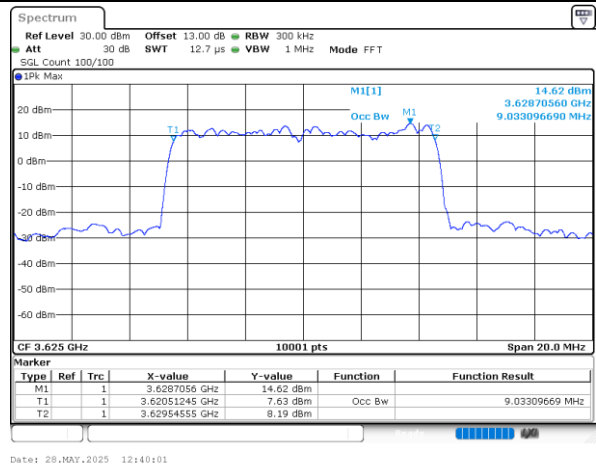
Middle Channel / 5MHz / 16QAM



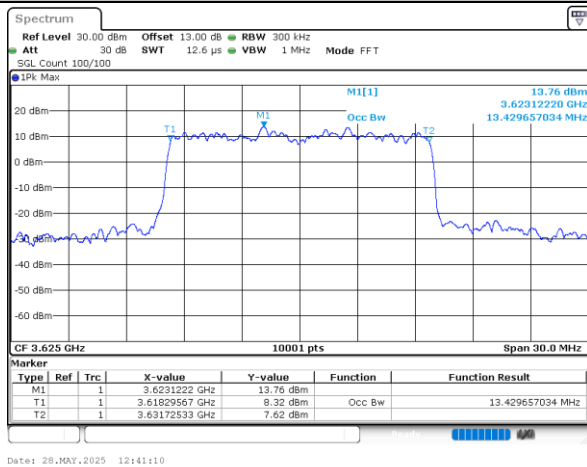
Middle Channel / 10MHz / QPSK



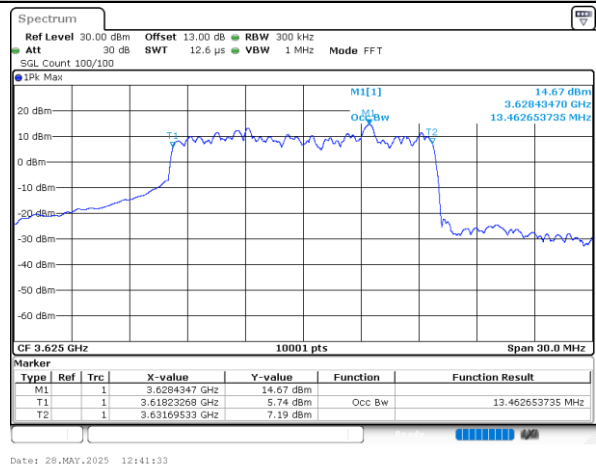
Middle Channel / 10MHz / 16QAM



Middle Channel / 15MHz / QPSK



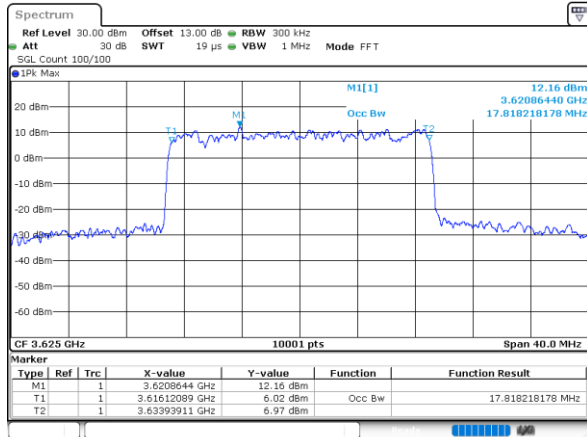
Middle Channel / 15MHz / 16QAM



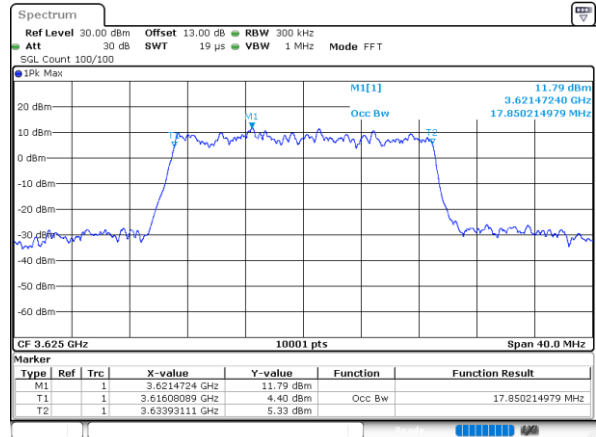


LTE Band 48

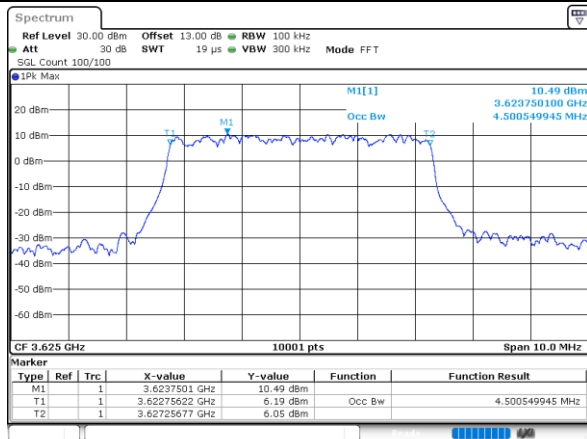
Middle Channel / 20MHz / QPSK



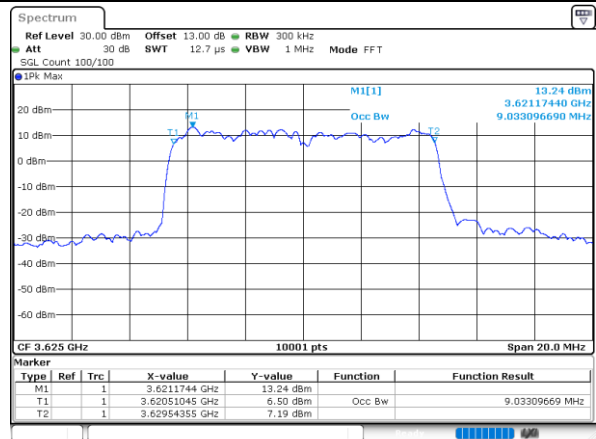
Middle Channel / 20MHz / 16QAM



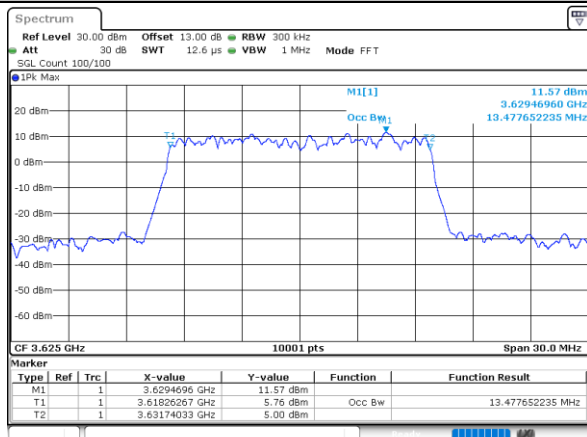
Middle Channel / 5MHz / 64QAM



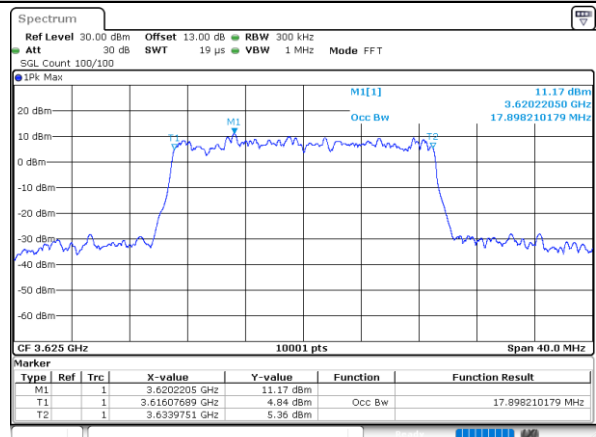
Middle Channel / 10MHz / 64QAM



Middle Channel / 15MHz / 64QAM



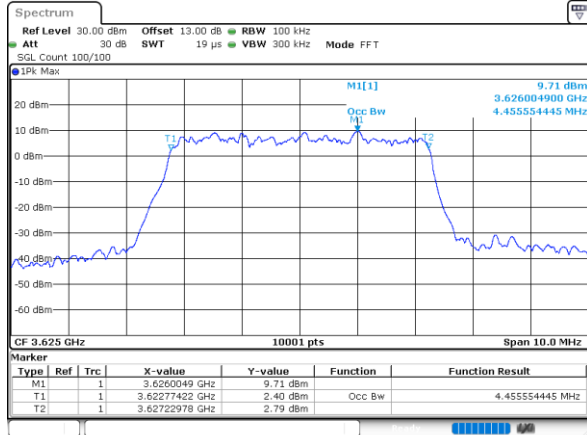
Middle Channel / 20MHz / 64QAM



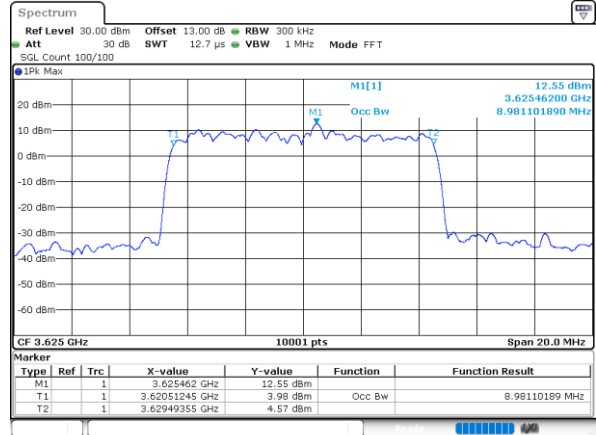


LTE Band 48

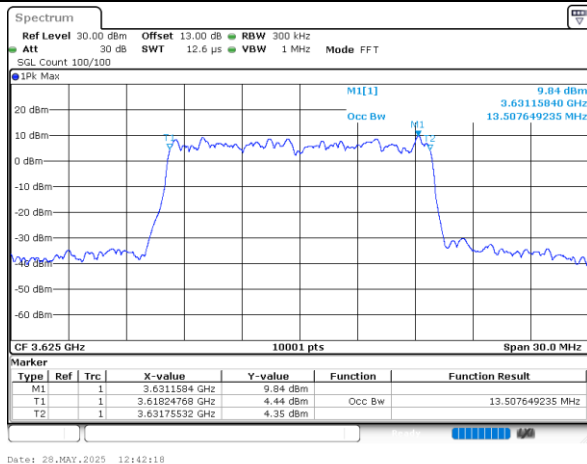
Middle Channel / 5MHz / 256QAM



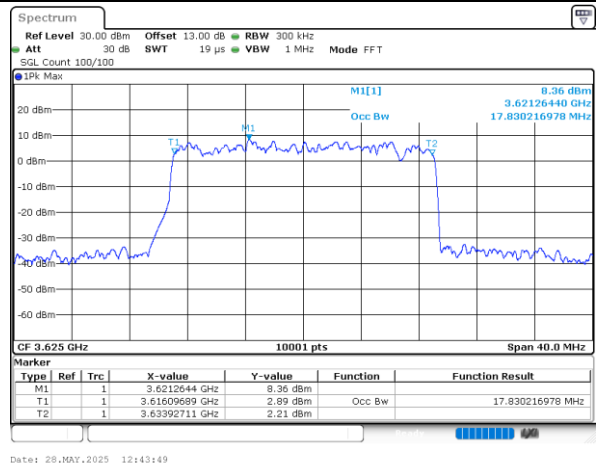
Middle Channel / 10MHz / 256QAM



Middle Channel / 15MHz / 256QAM



Middle Channel / 20MHz / 256QAM



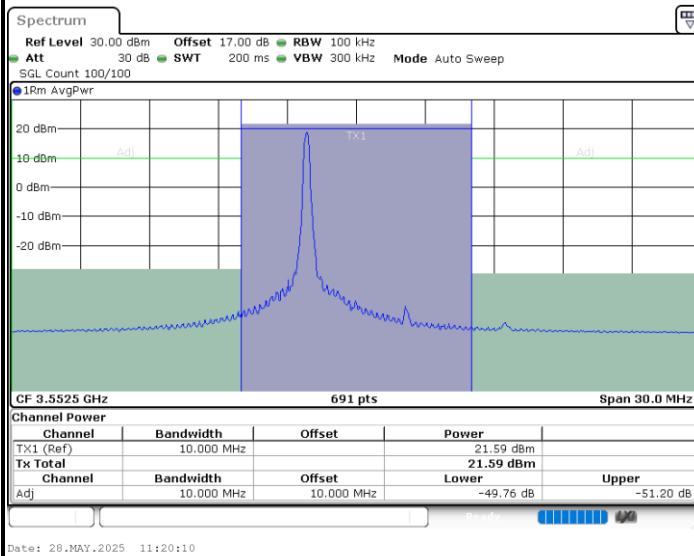


ACLR

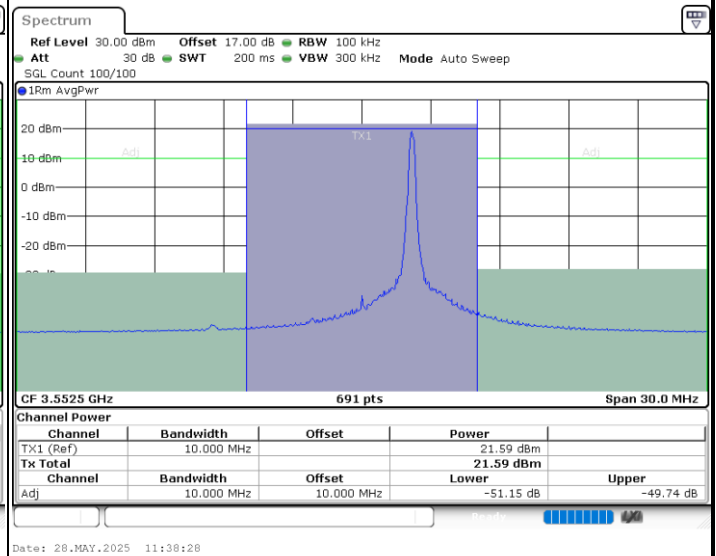
LTE Band 48 / 5MHz

QPSK

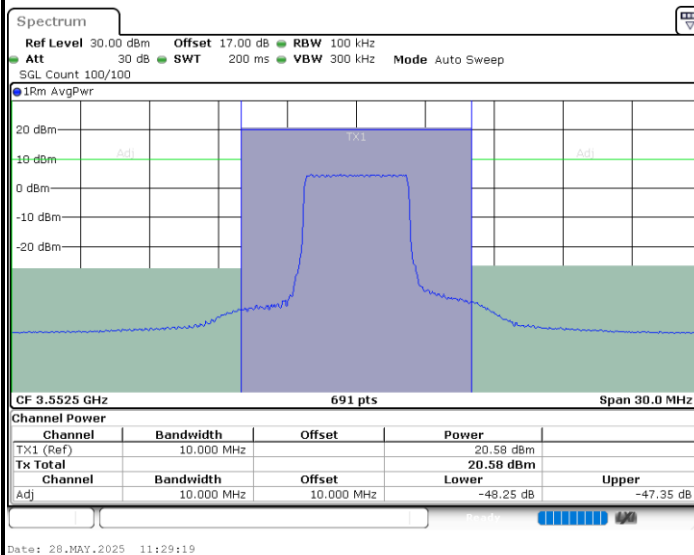
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullIRB



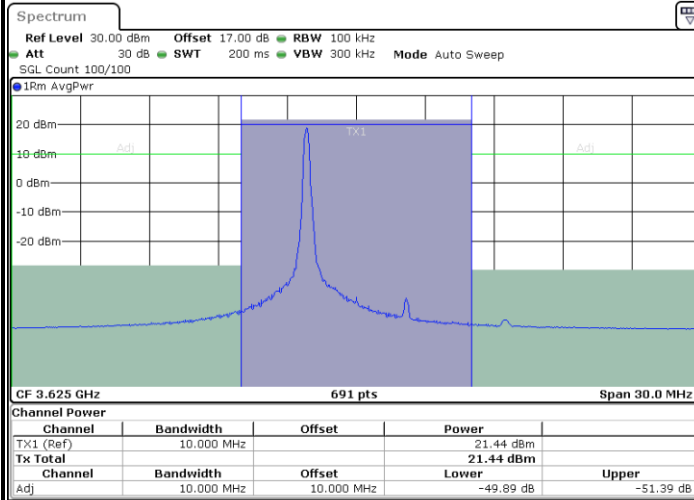
N/A



LTE Band 48 / 5MHz

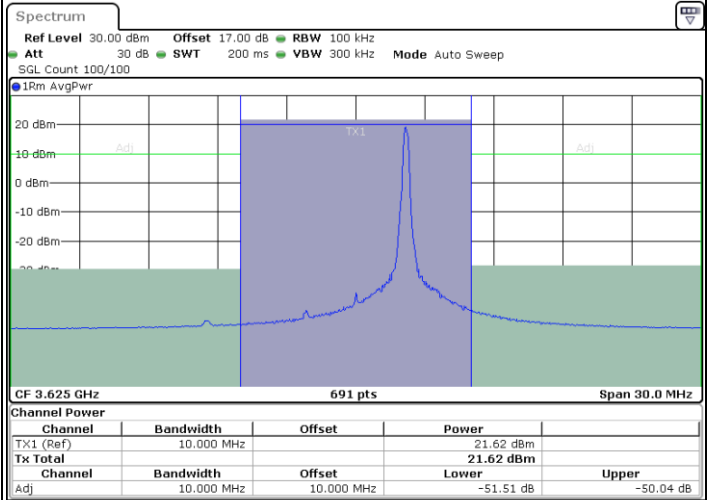
QPSK

Middle Channel / 1RB0



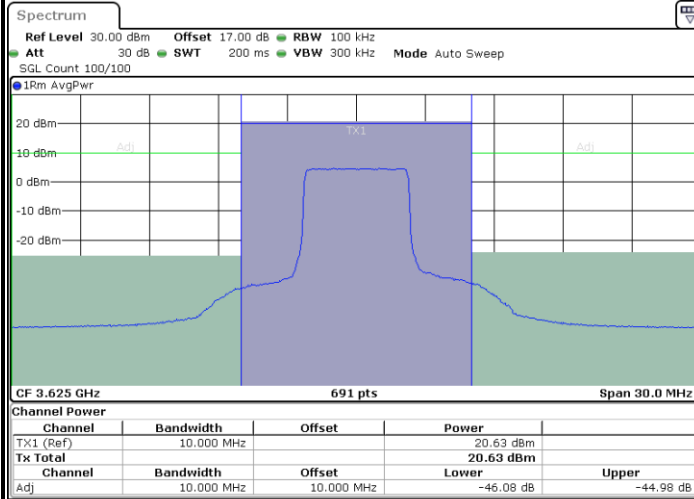
Date: 28.MAY.2025 11:23:37

Middle Channel / 1RBmax



Date: 28.MAY.2025 11:41:54

Middle Channel / FullRB



Date: 28.MAY.2025 11:32:46

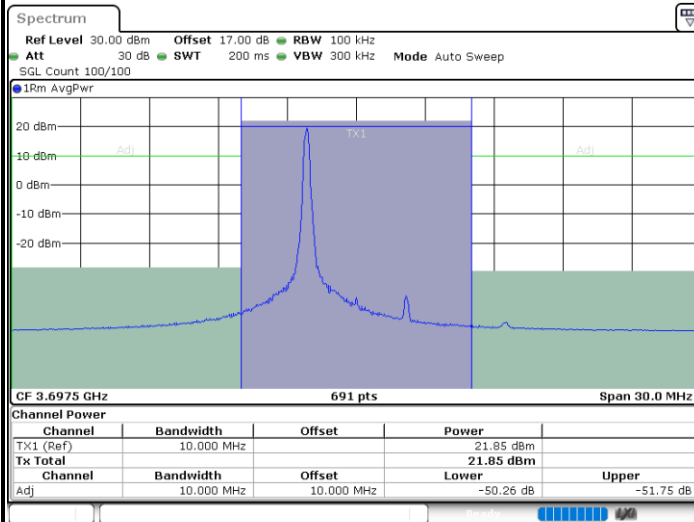
N/A



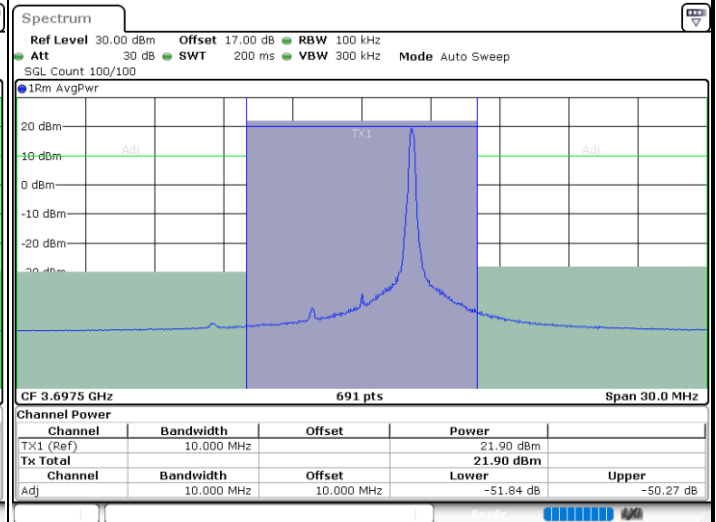
LTE Band 48 / 5MHz

QPSK

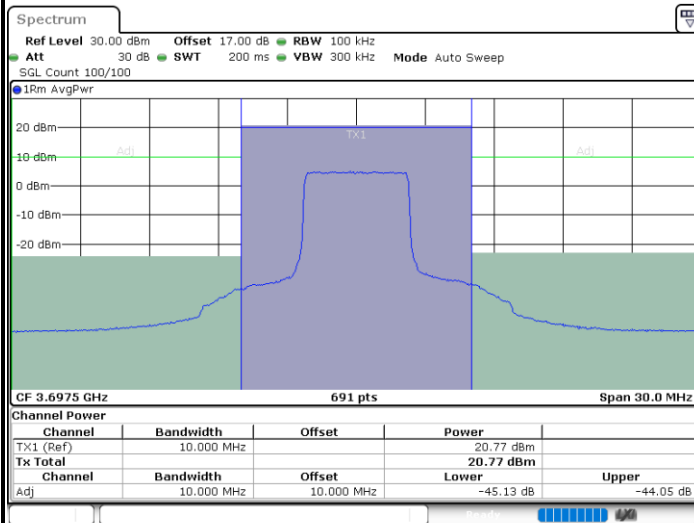
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullRB



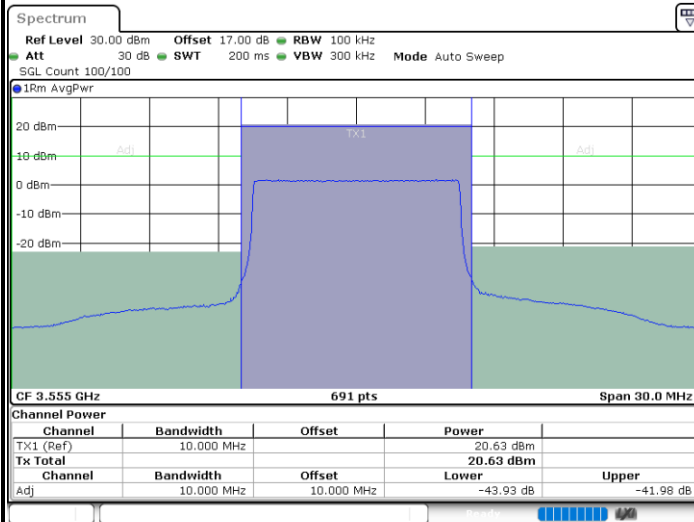
N/A



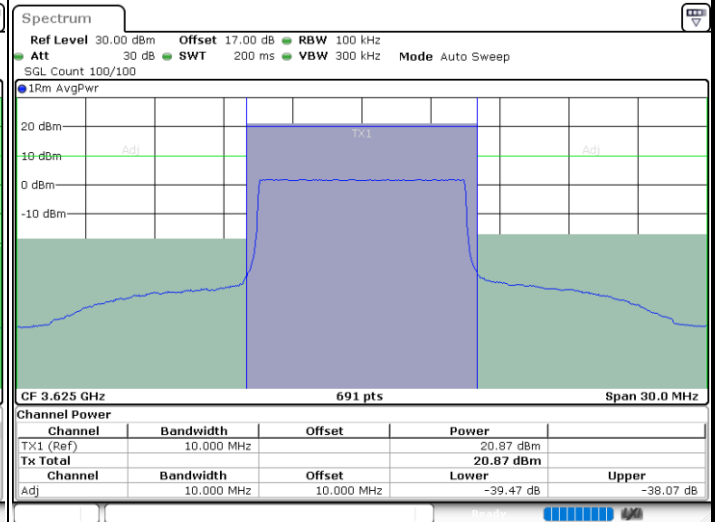
LTE Band 48 / 10MHz

QPSK

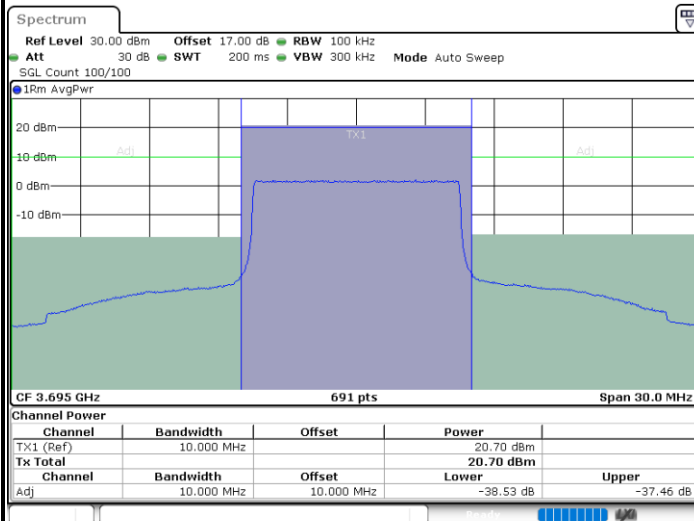
Lowest Channel / FullIRB



Middle Channel / FullIRB



Highest Channel / FullIRB



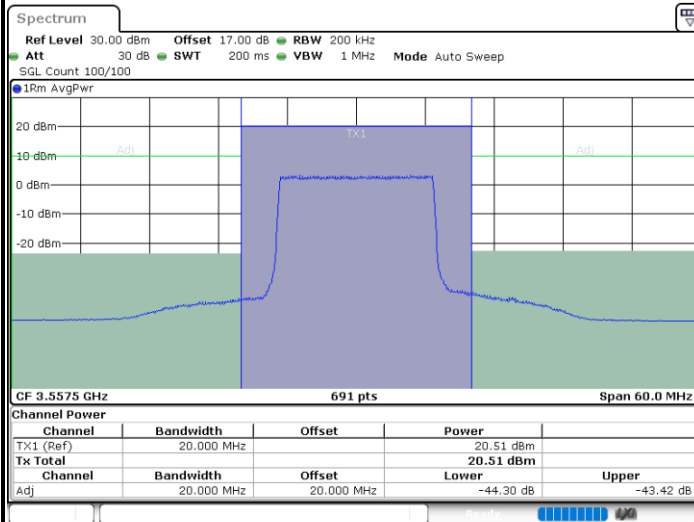
N/A



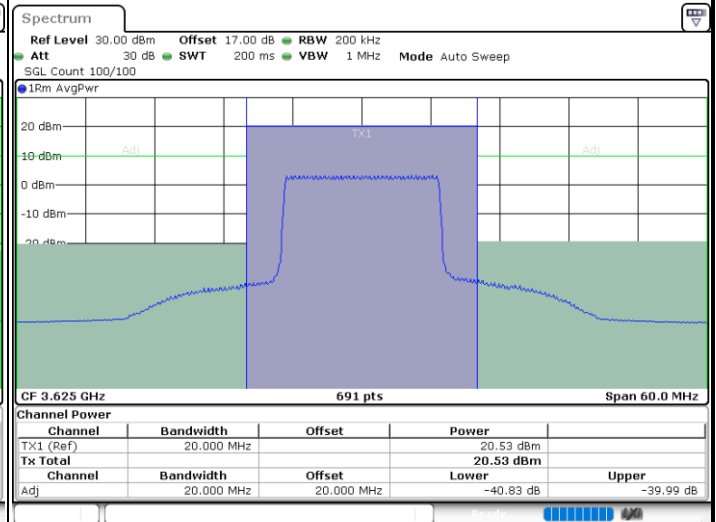
LTE Band 48 / 15MHz

QPSK

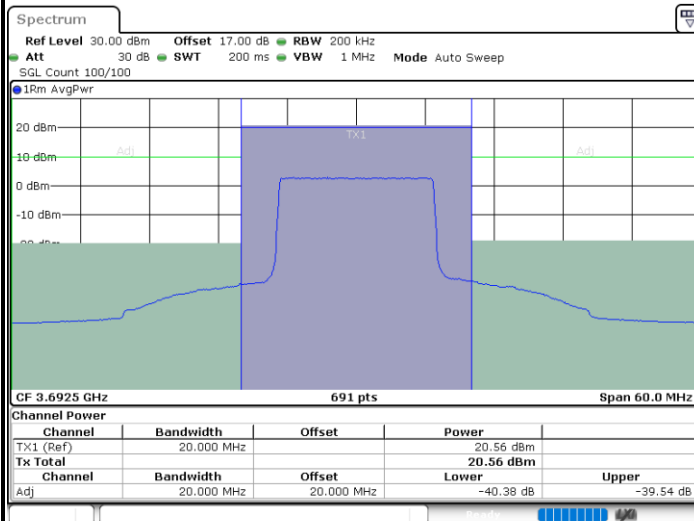
Lowest Channel / FullIRB



Middle Channel / FullIRB



Highest Channel / FullIRB



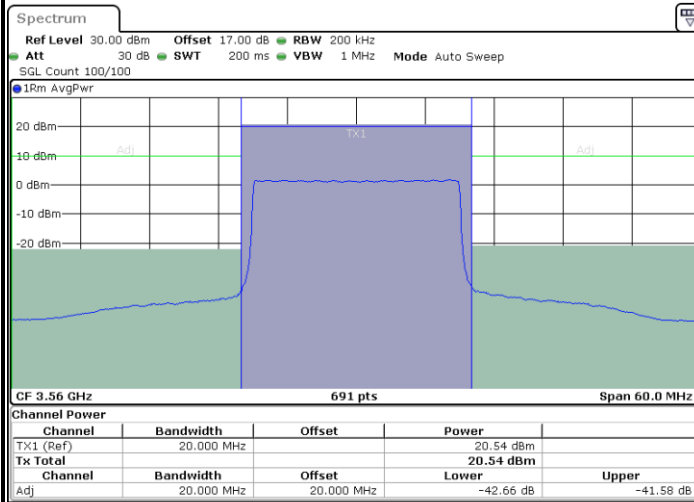
N/A



LTE Band 48 / 20MHz

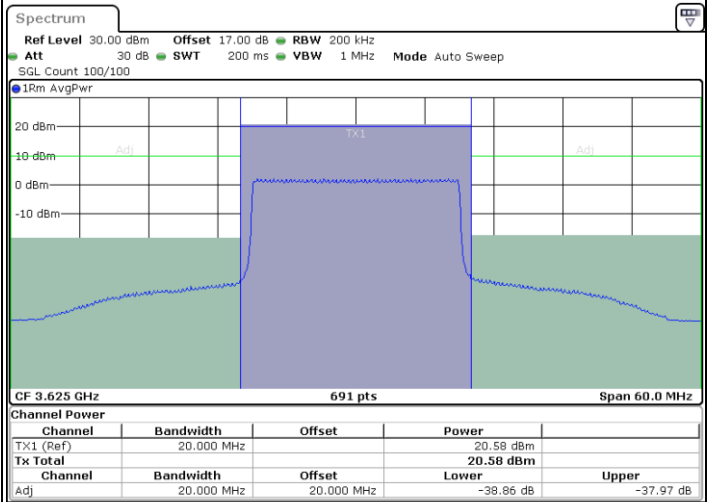
QPSK

Lowest Channel / FullIRB



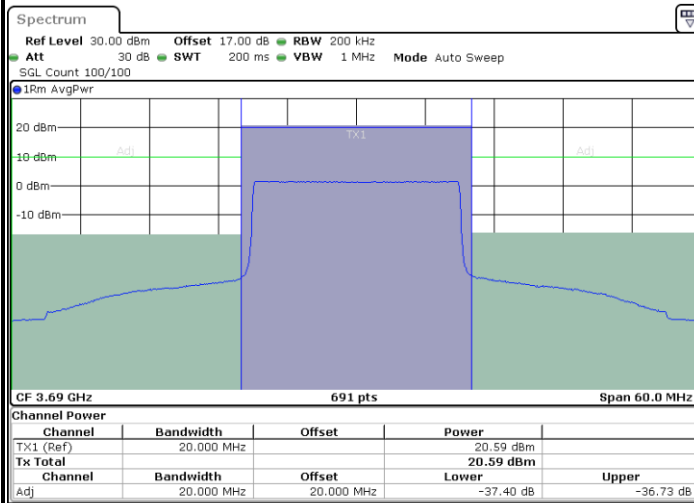
Date: 28.MAY.2025 12:26:12

Middle Channel / FullIRB



Date: 28.MAY.2025 12:29:36

Highest Channel / FullIRB



Date: 28.MAY.2025 12:32:21

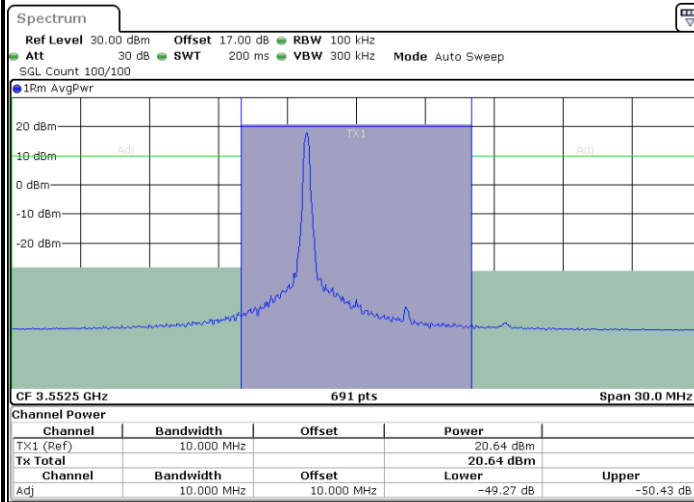
N/A



LTE Band 48 / 5MHz

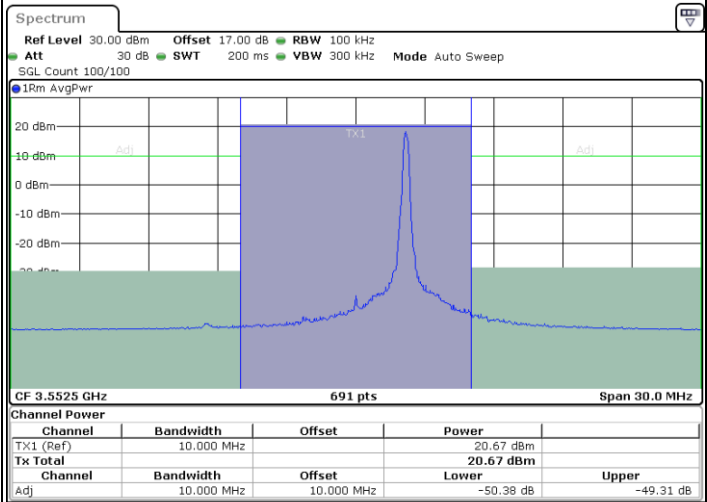
16QAM

Lowest Channel / 1RB0



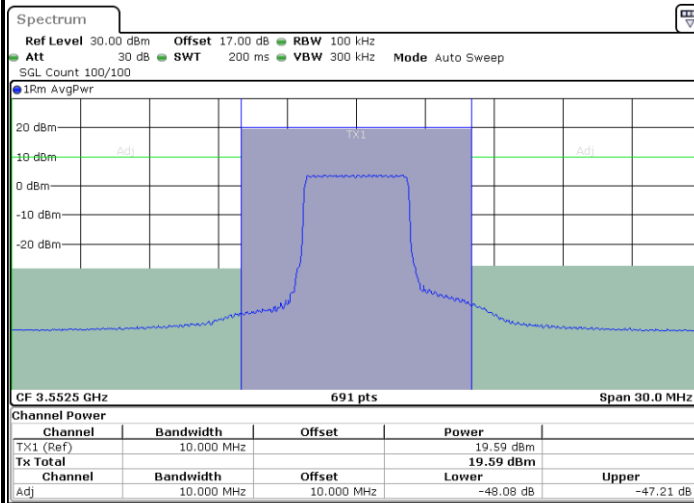
Date: 28.MAY.2025 11:20:53

Lowest Channel / 1RBmax



Date: 28.MAY.2025 11:39:11

Lowest Channel / FullRB



Date: 28.MAY.2025 11:30:02

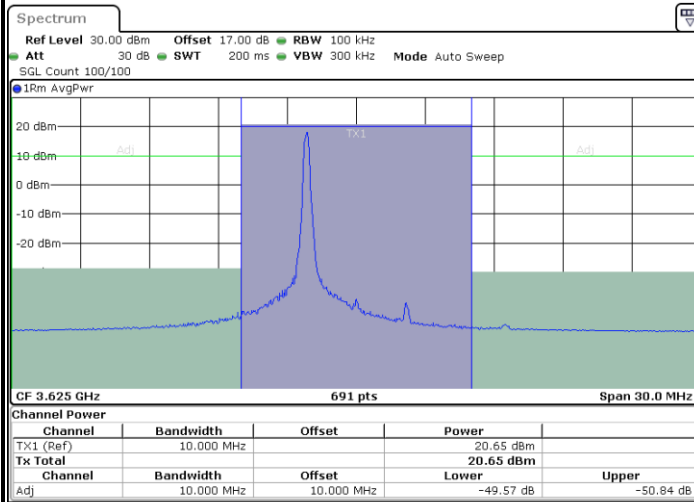
N/A



LTE Band 48 / 5MHz

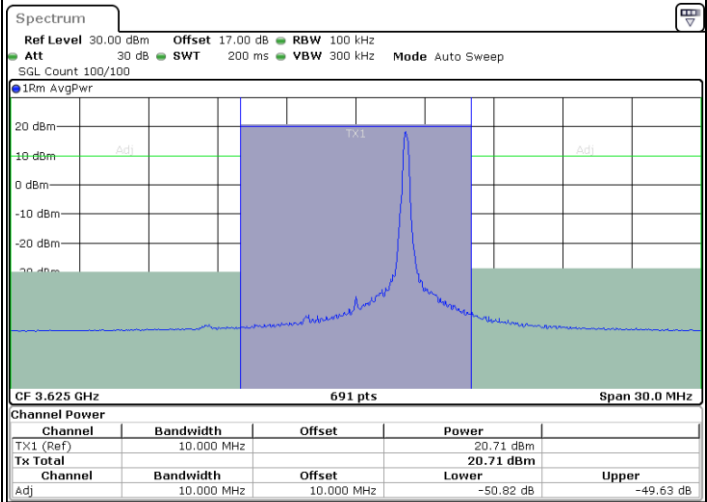
16QAM

Middle Channel / 1RB0



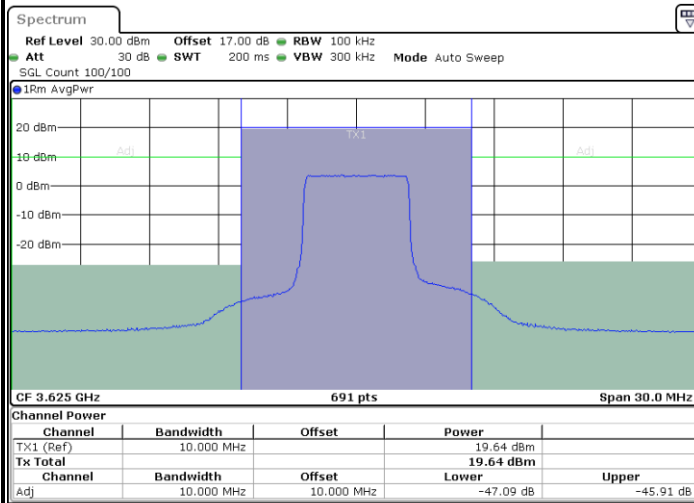
Date: 28.MAY.2025 11:24:19

Middle Channel / 1RBmax



Date: 28.MAY.2025 11:42:36

Middle Channel / FullRB



Date: 28.MAY.2025 11:33:27

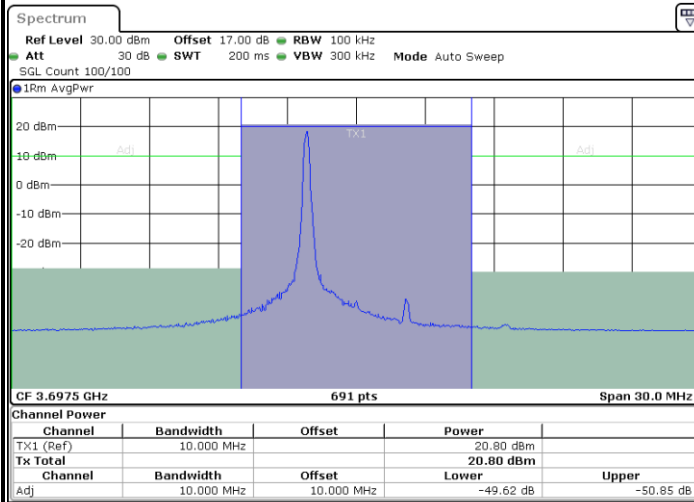
N/A



LTE Band 48 / 5MHz

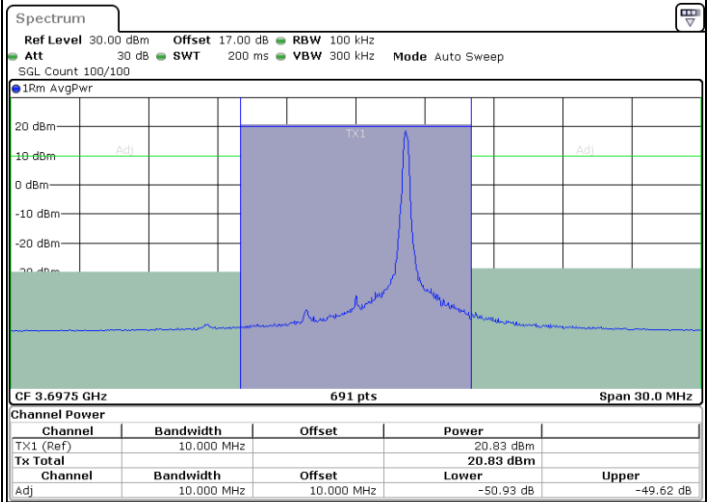
16QAM

Highest Channel / 1RB0



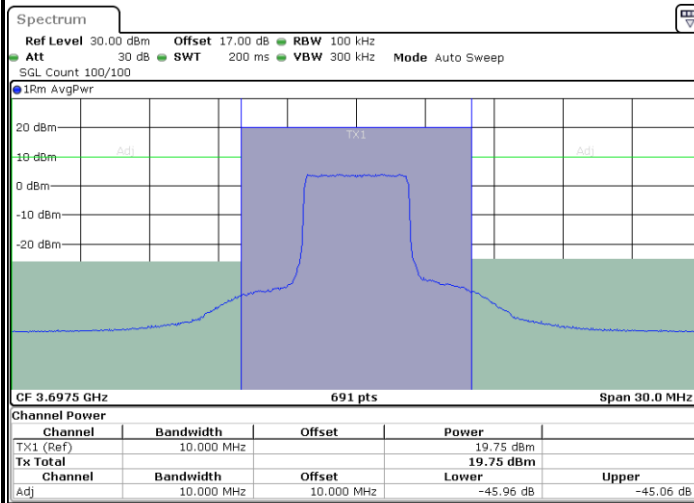
Date: 28.MAY.2025 11:27:08

Highest Channel / 1RBmax



Date: 28.MAY.2025 11:45:25

Highest Channel / FullRB



Date: 28.MAY.2025 11:36:17

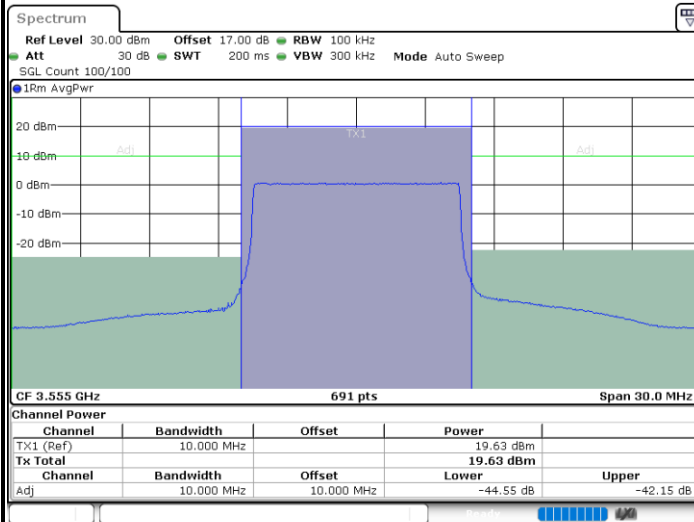
N/A



LTE Band 48 / 10MHz

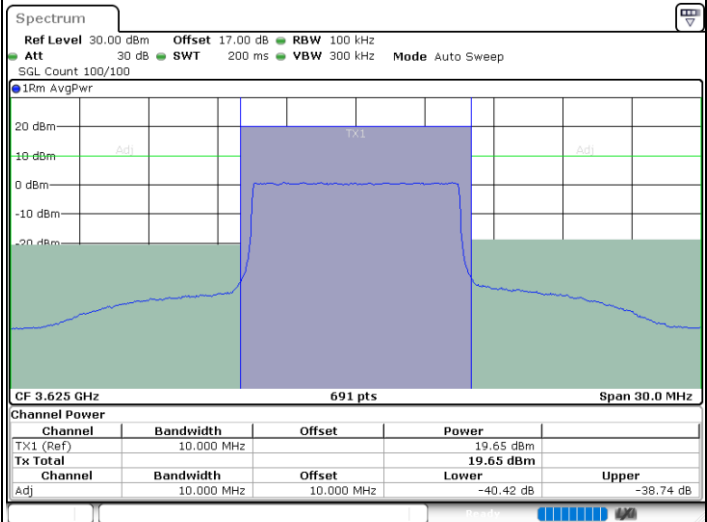
16QAM

Lowest Channel / FullIRB



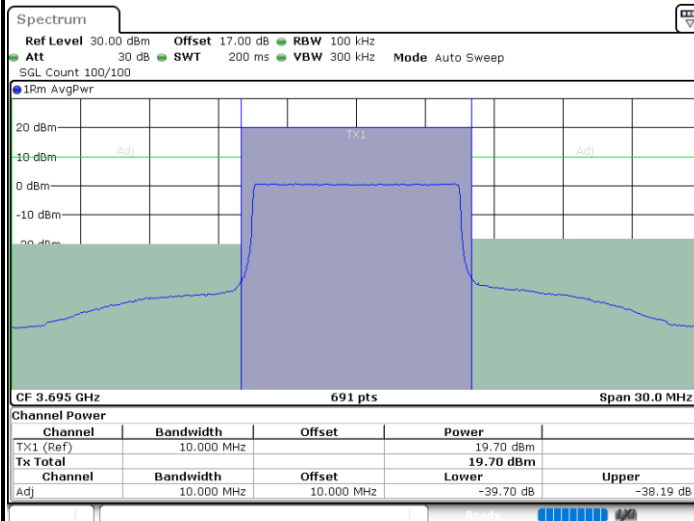
Date: 28.MAY.2025 11:58:32

Middle Channel / FullIRB



Date: 28.MAY.2025 12:03:56

Highest Channel / FullIRB



Date: 28.MAY.2025 12:06:46

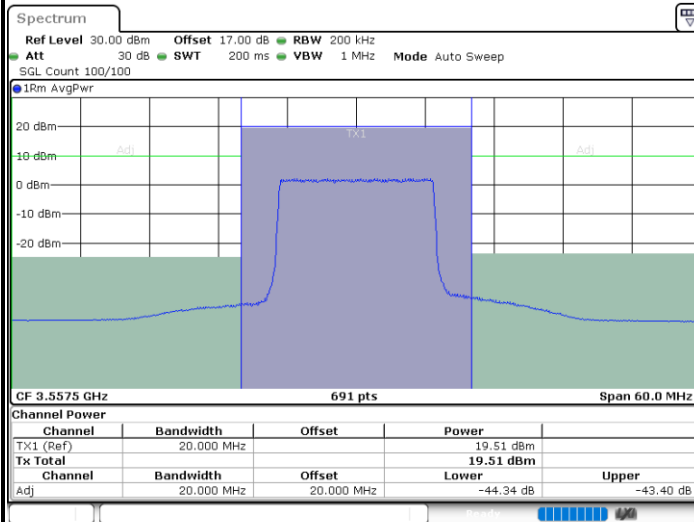
N/A



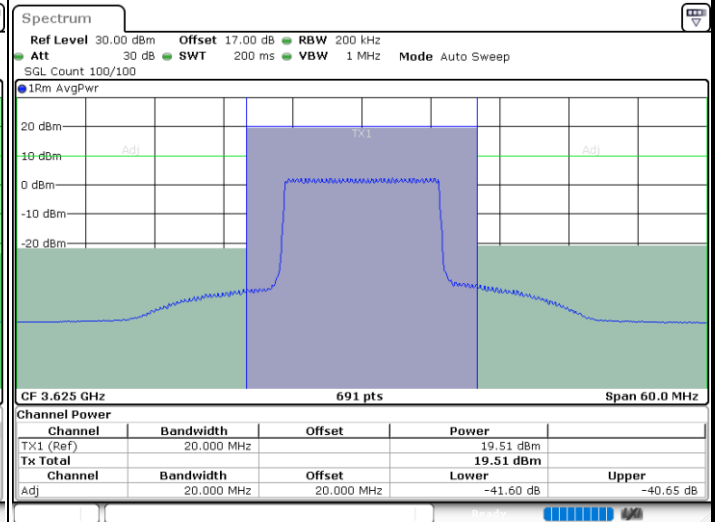
LTE Band 48 / 15MHz

16QAM

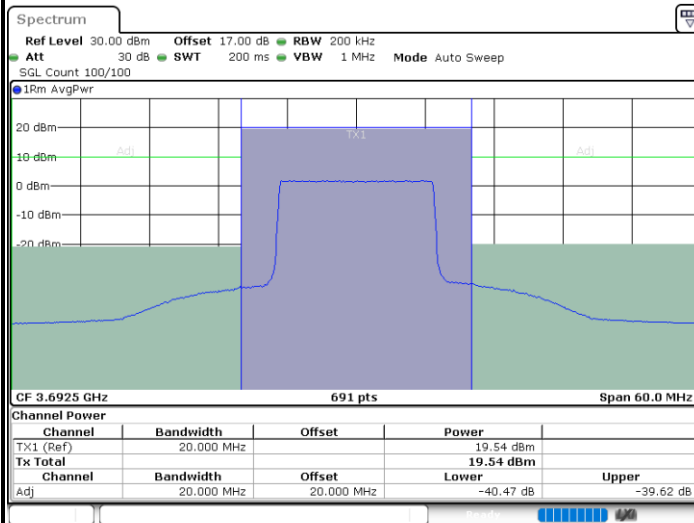
Lowest Channel / FullIRB



Middle Channel / FullIRB



Highest Channel / FullIRB



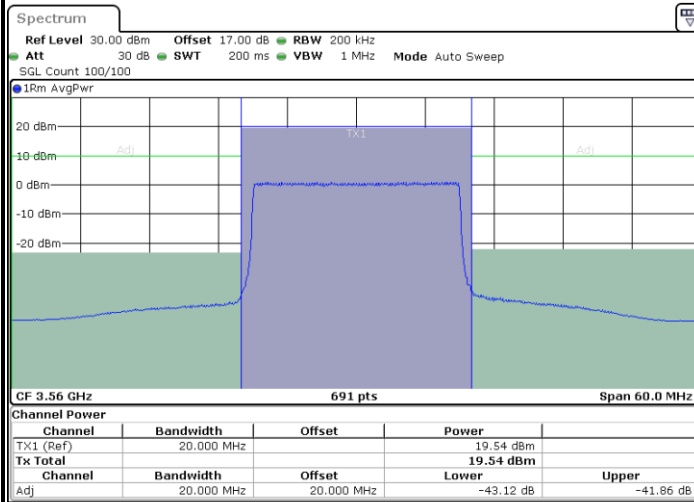
N/A



LTE Band 48 / 20MHz

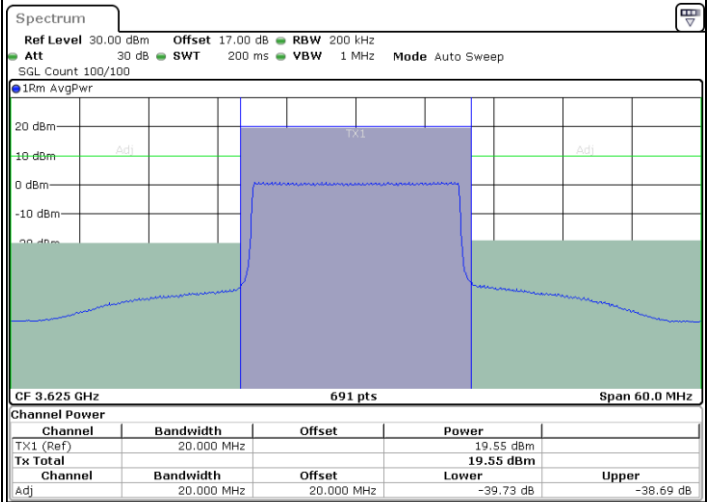
16QAM

Lowest Channel / FullIRB



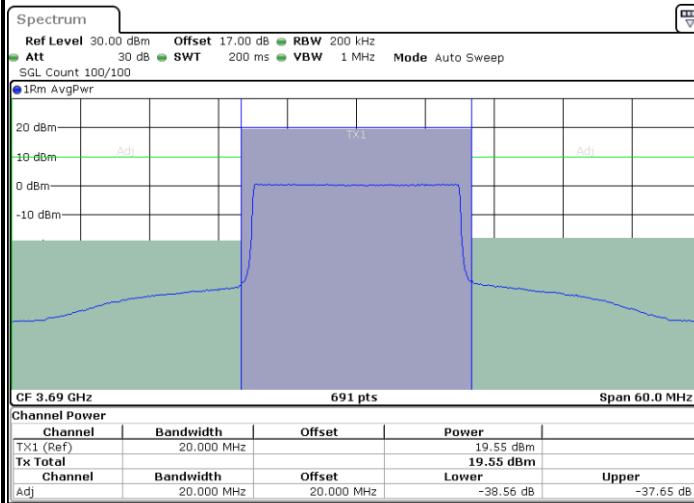
Date: 28.MAY.2025 12:26:54

Middle Channel / FullIRB



Date: 28.MAY.2025 12:30:17

Highest Channel / FullIRB



Date: 28.MAY.2025 12:33:03

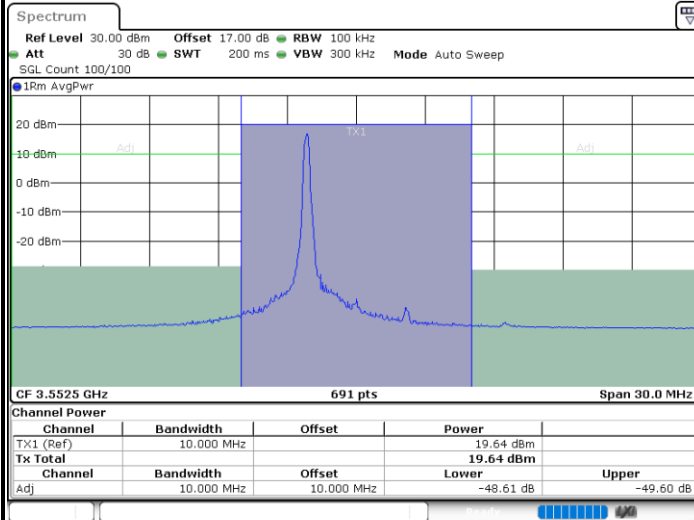
N/A



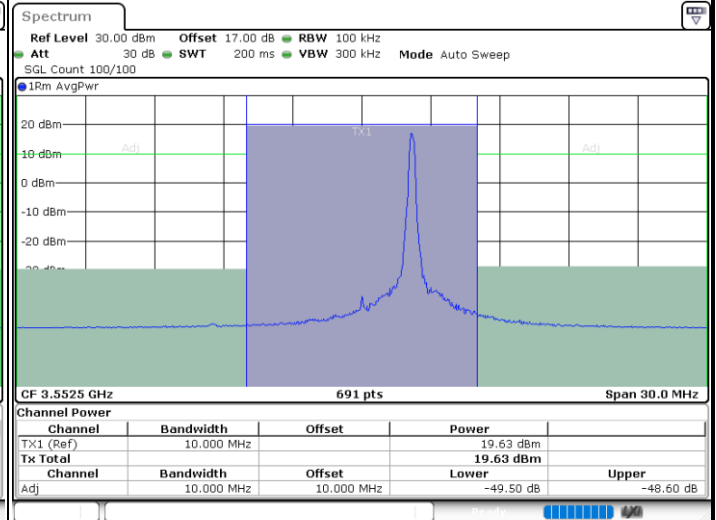
LTE Band 48 / 5MHz

64QAM

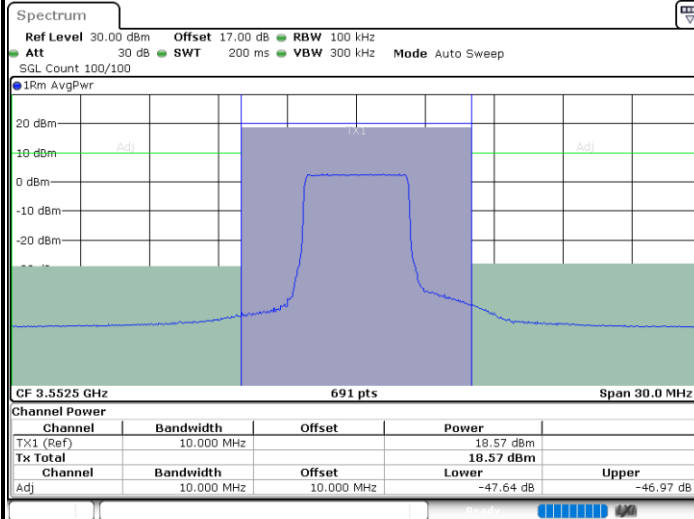
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB



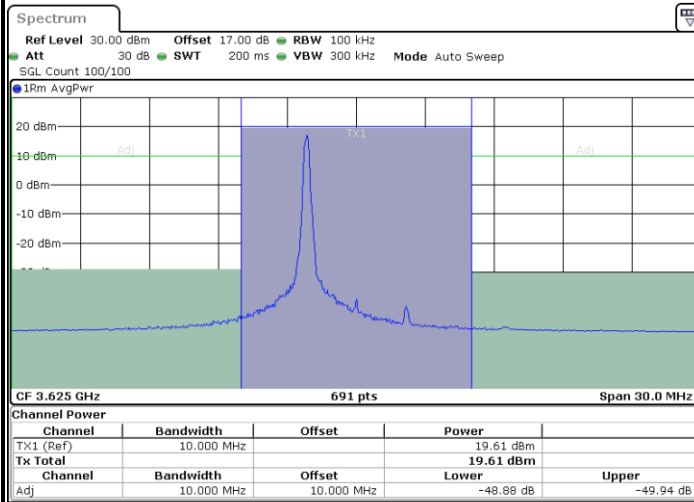
N/A



LTE Band 48 / 5MHz

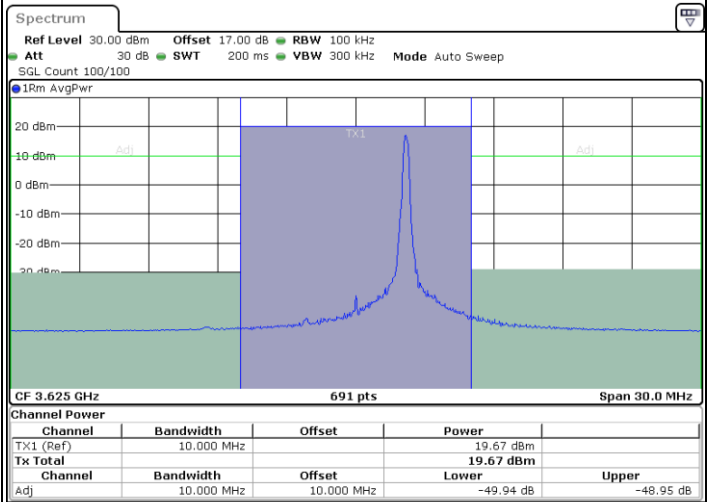
64QAM

Middle Channel / 1RB0



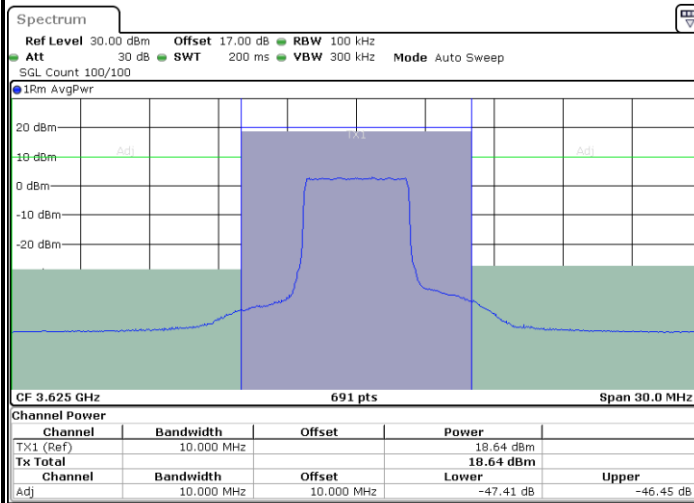
Date: 28.MAY.2025 11:25:01

Middle Channel / 1RBmax



Date: 28.MAY.2025 11:43:18

Middle Channel / FullRB



Date: 28.MAY.2025 11:34:09

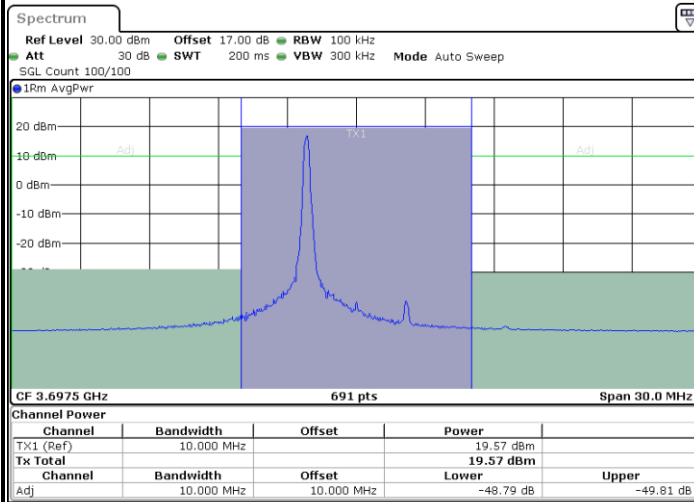
N/A



LTE Band 48 / 5MHz

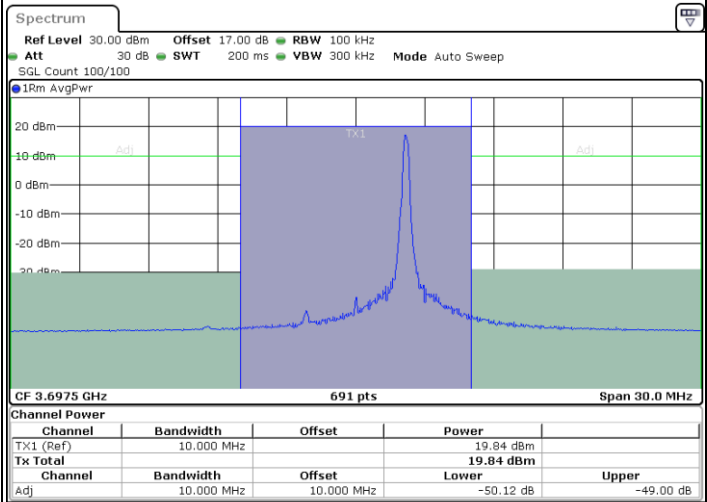
64QAM

Highest Channel / 1RB0



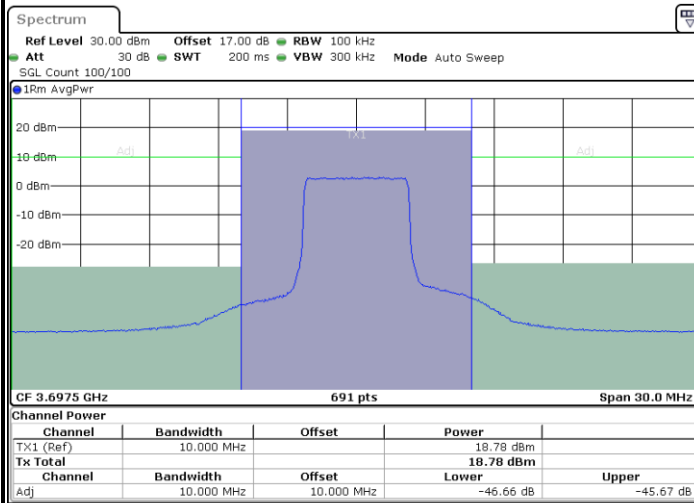
Date: 28.MAY.2025 11:27:51

Highest Channel / 1RBmax



Date: 28.MAY.2025 11:46:08

Highest Channel / FullRB



Date: 28.MAY.2025 11:37:00

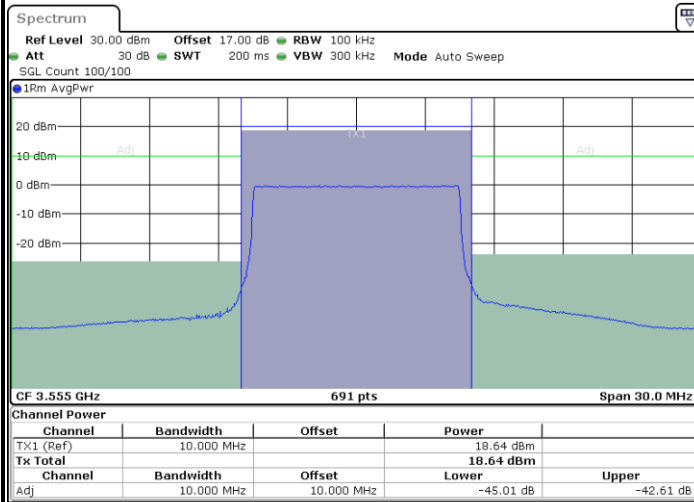
N/A



LTE Band 48 / 10MHz

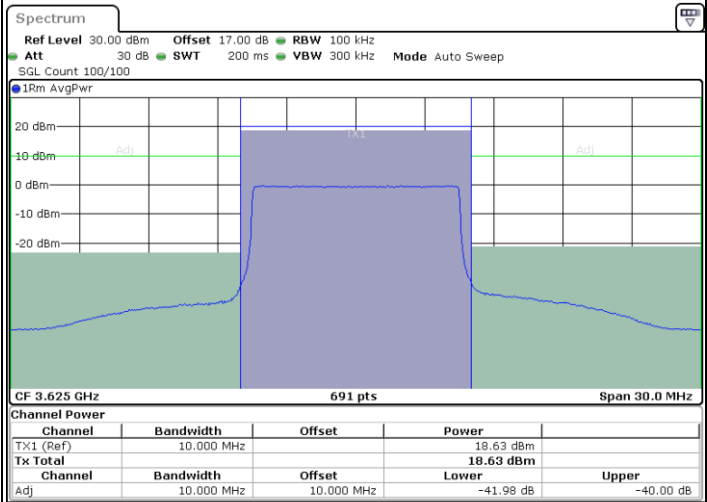
64QAM

Lowest Channel / FullIRB



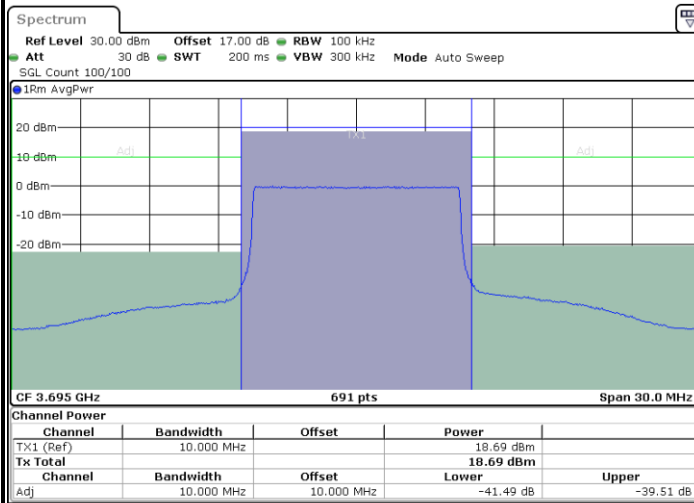
Date: 28.MAY.2025 11:59:15

Middle Channel / FullIRB



Date: 28.MAY.2025 12:04:37

Highest Channel / FullIRB



Date: 28.MAY.2025 12:07:29

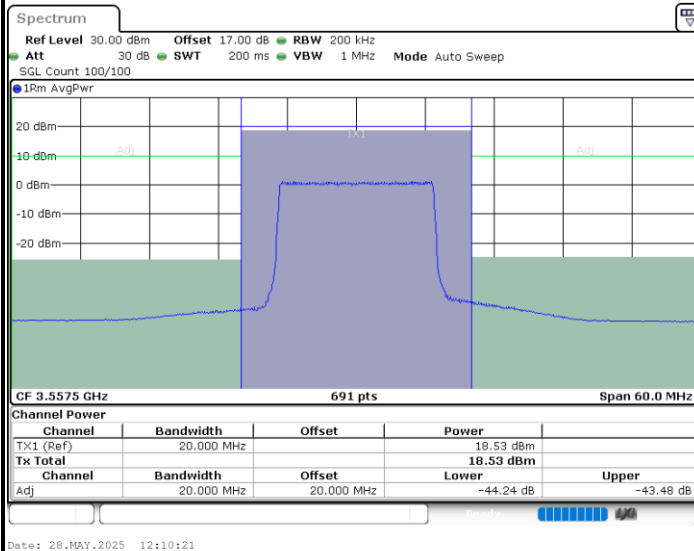
N/A



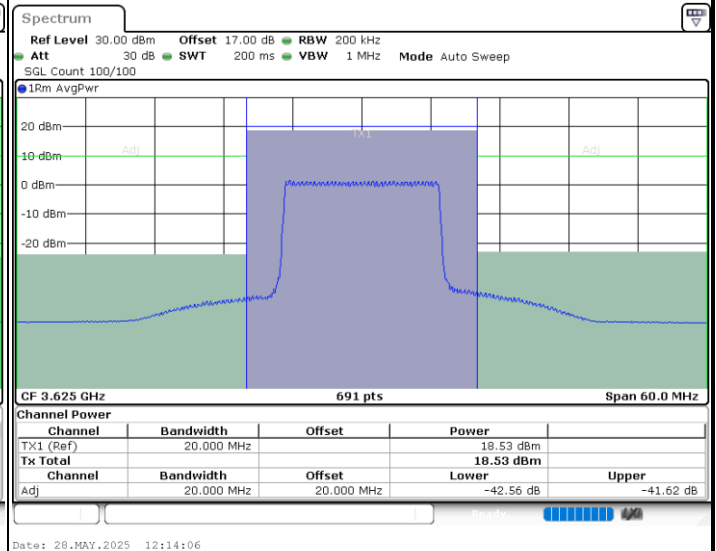
LTE Band 48 / 15MHz

64QAM

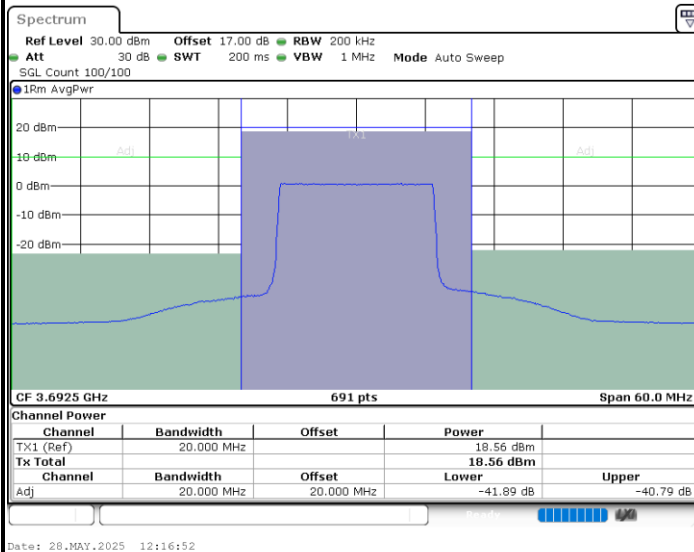
Lowest Channel / FullIRB



Middle Channel / FullIRB



Highest Channel / FullIRB



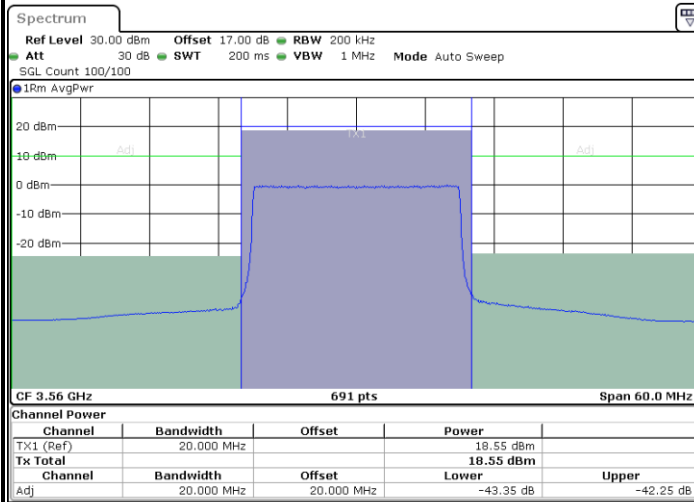
N/A



LTE Band 48 / 20MHz

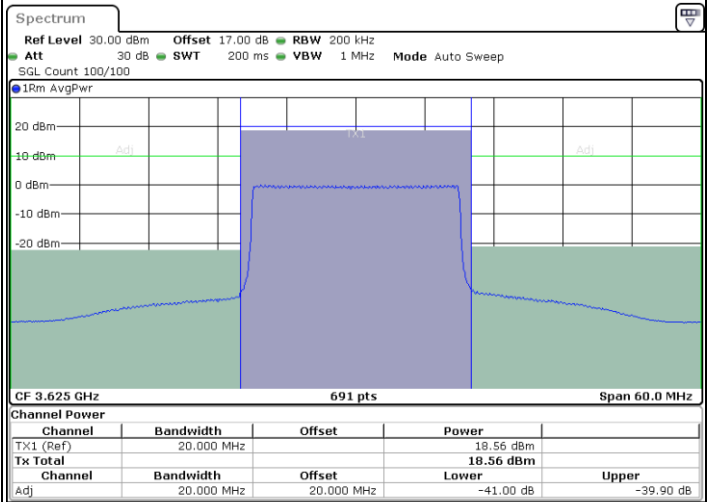
64QAM

Lowest Channel / FullIRB



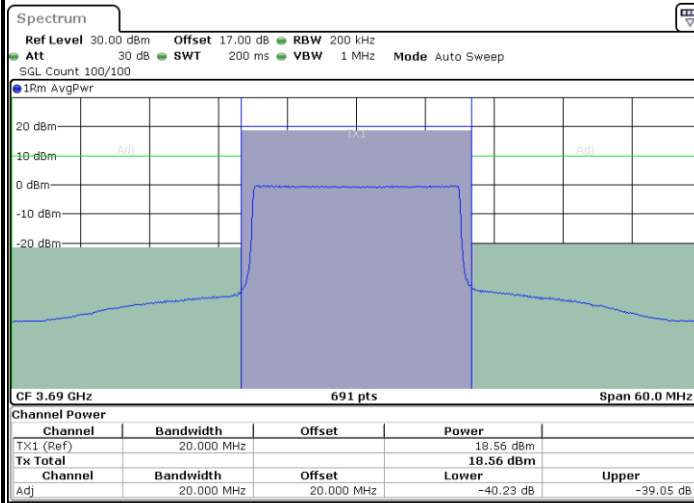
Date: 28.MAY.2025 12:27:36

Middle Channel / FullIRB



Date: 28.MAY.2025 12:30:58

Highest Channel / FullIRB



Date: 28.MAY.2025 12:33:45

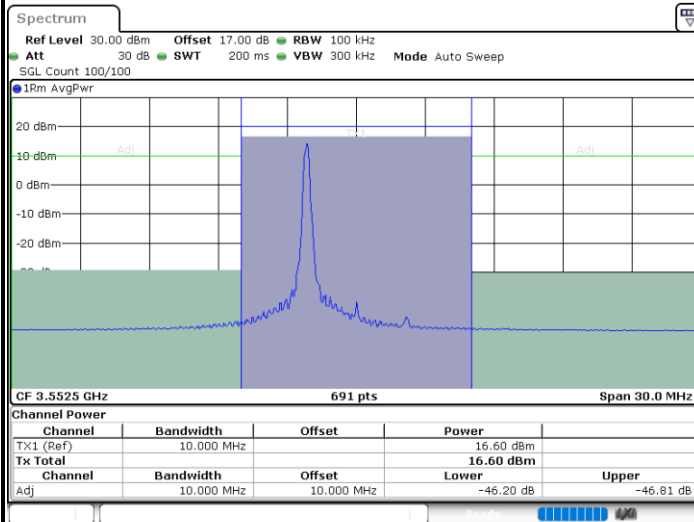
N/A



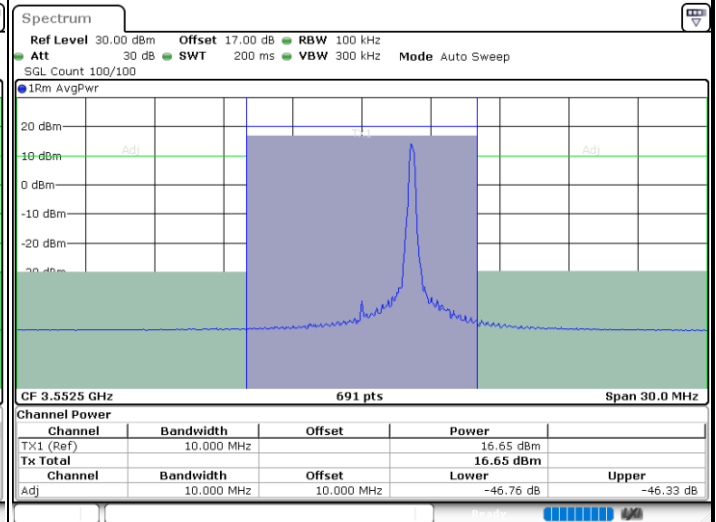
LTE Band 48 / 5MHz

256QAM

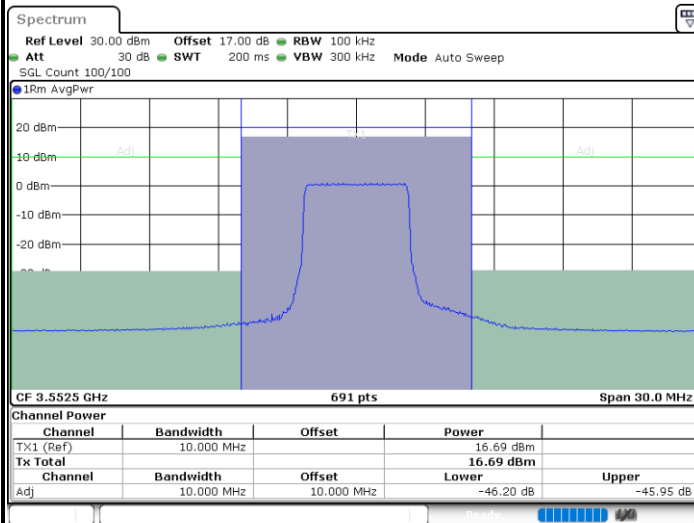
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB



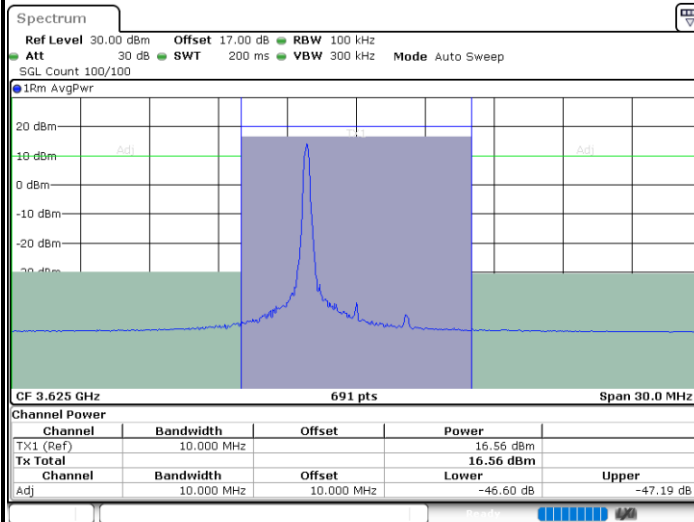
N/A



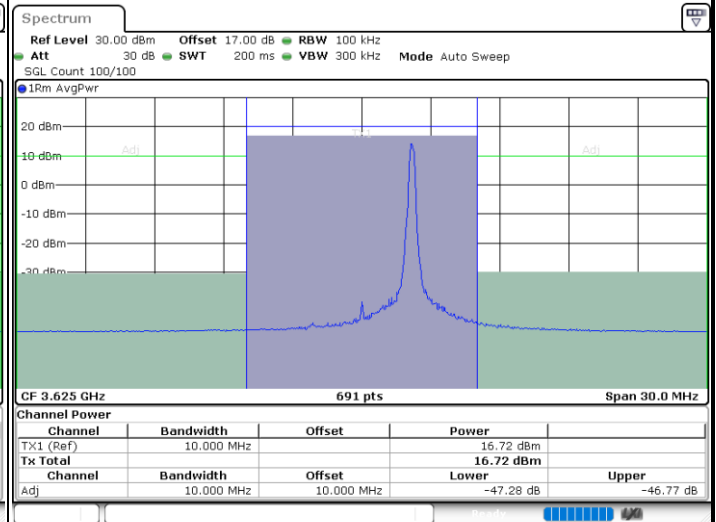
LTE Band 48 / 5MHz

256QAM

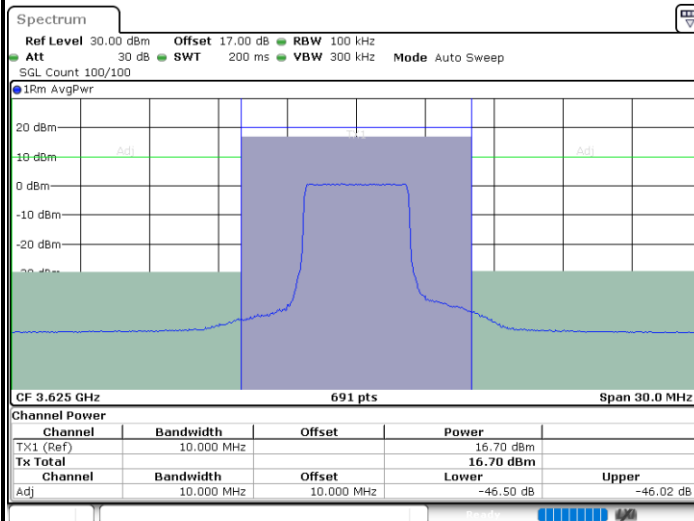
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB



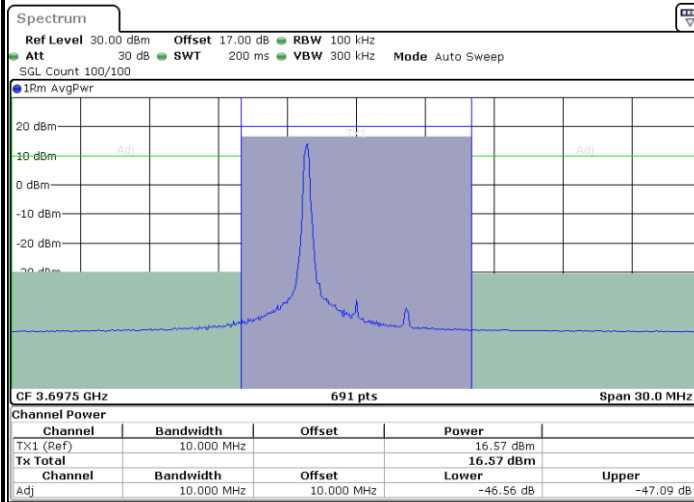
N/A



LTE Band 48 / 5MHz

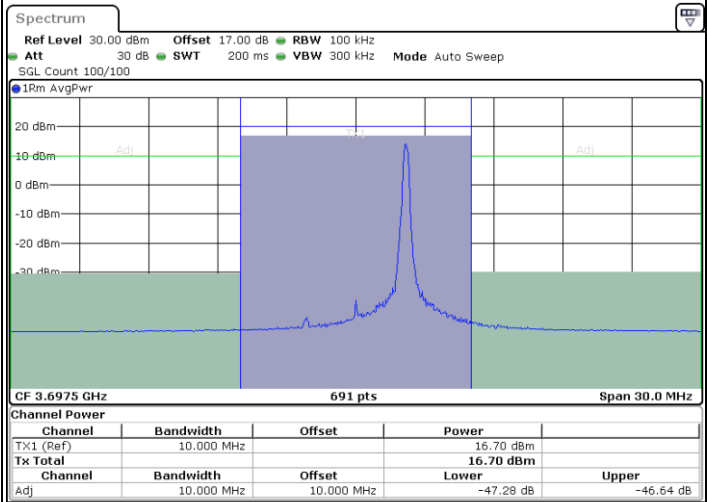
256QAM

Highest Channel / 1RB0



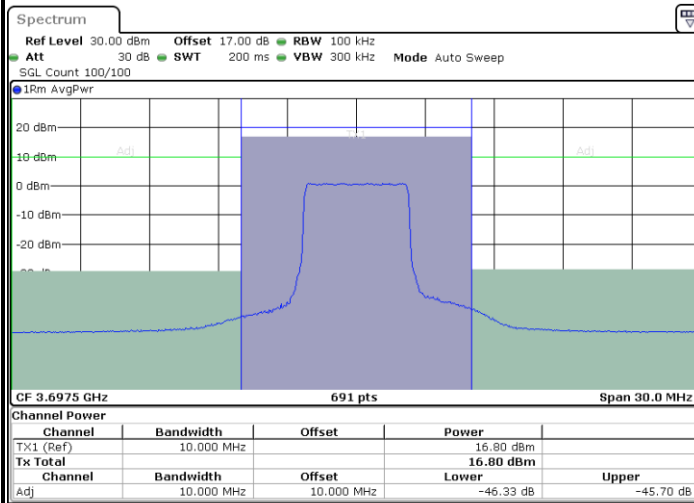
Date: 28.MAY.2025 11:28:34

Highest Channel / 1RBmax



Date: 28.MAY.2025 11:46:51

Highest Channel / FullRB



Date: 28.MAY.2025 11:37:43

N/A