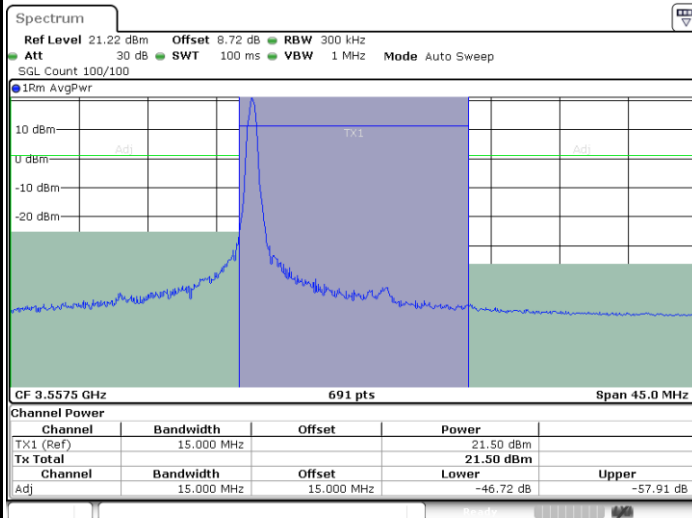




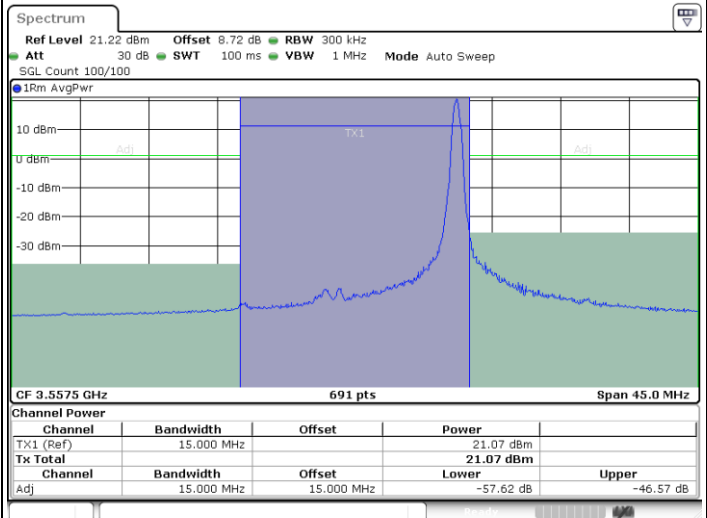
LTE Band 48 / 15MHz

16QAM

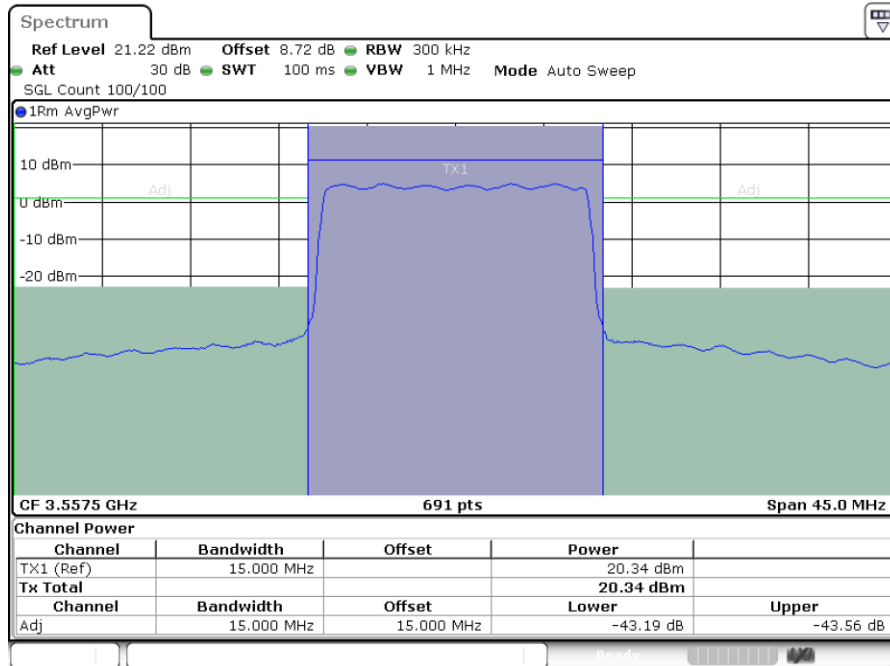
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB

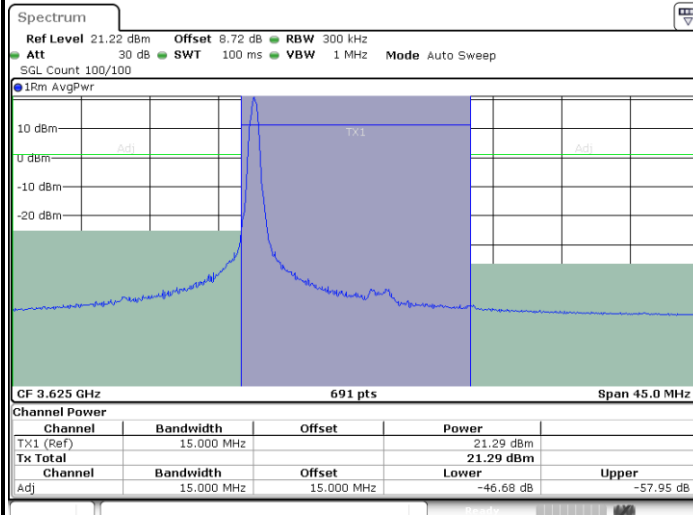




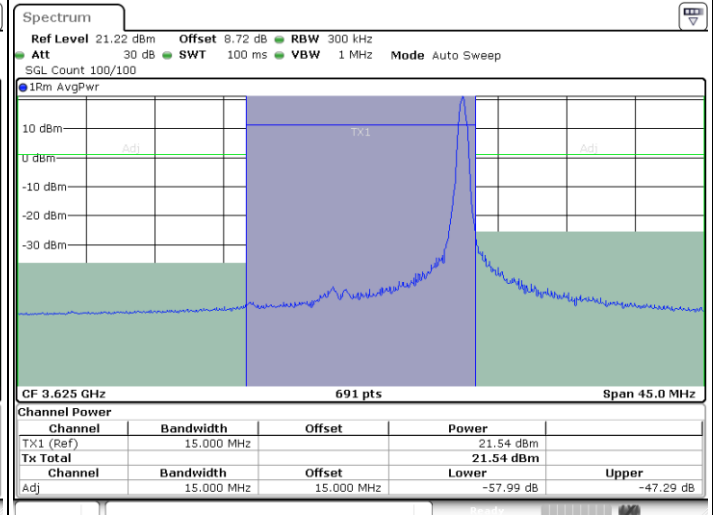
LTE Band 48 / 15MHz

16QAM

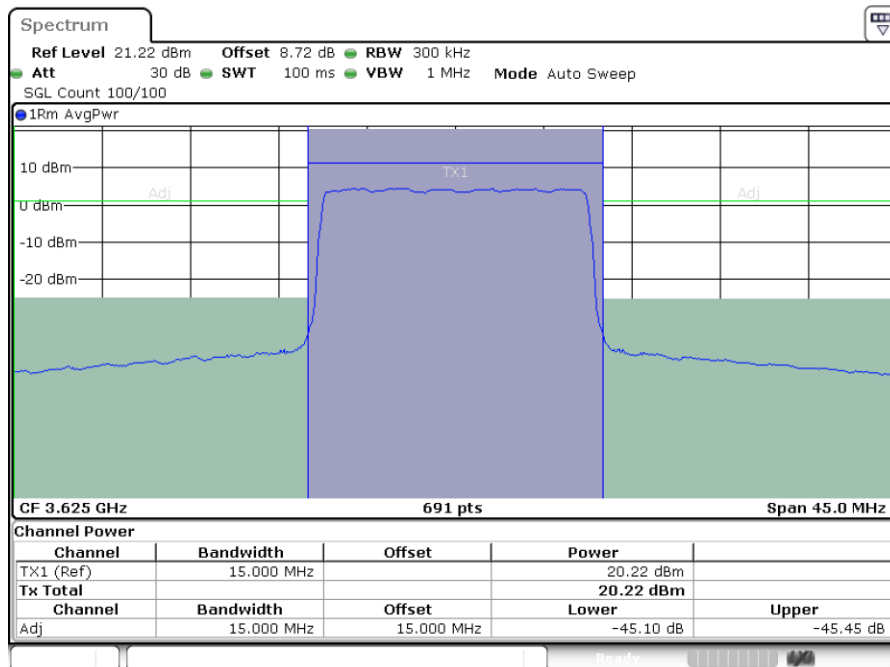
Middle Channel / 1RB0

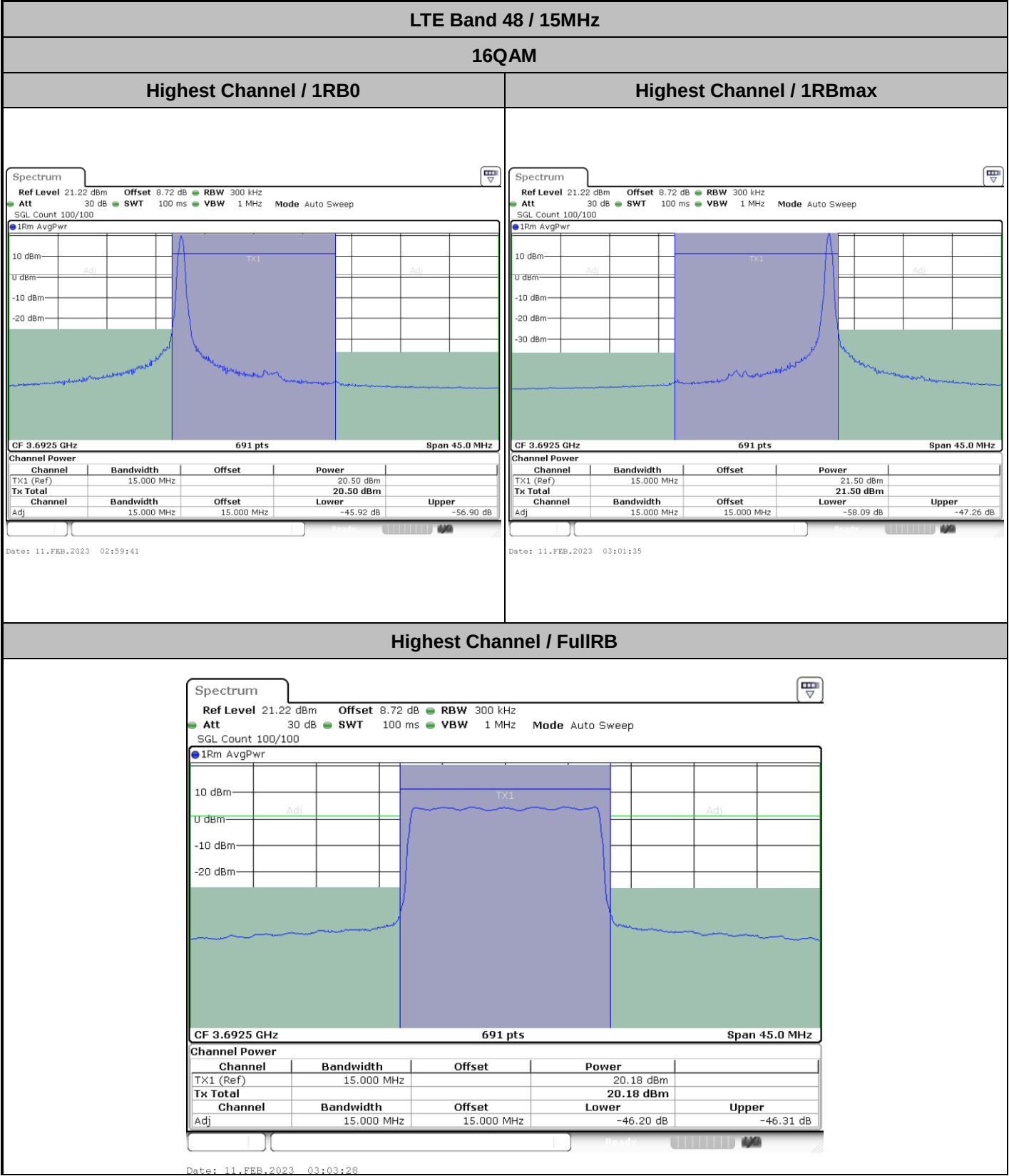


Middle Channel / 1RBmax



Middle Channel / FullRB



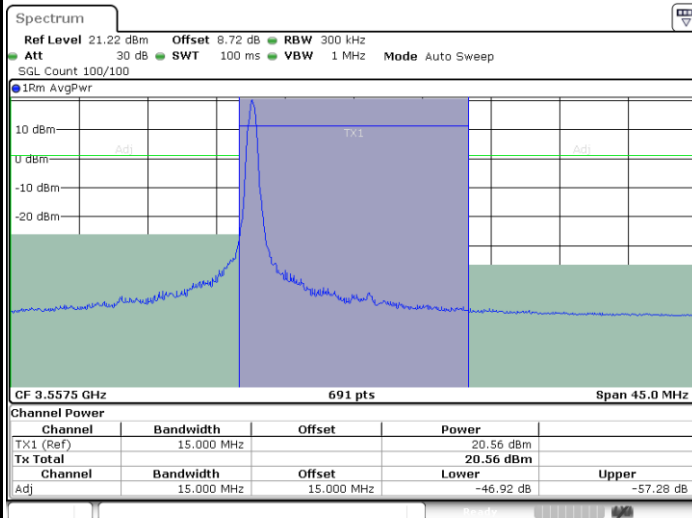




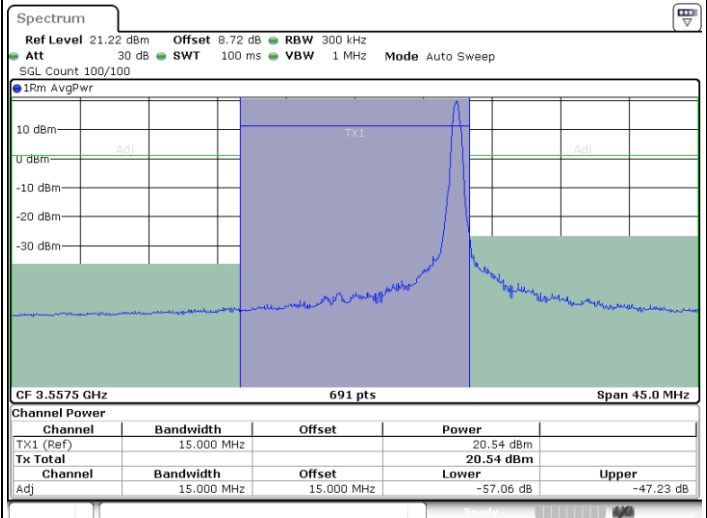
LTE Band 48 / 15MHz

64QAM

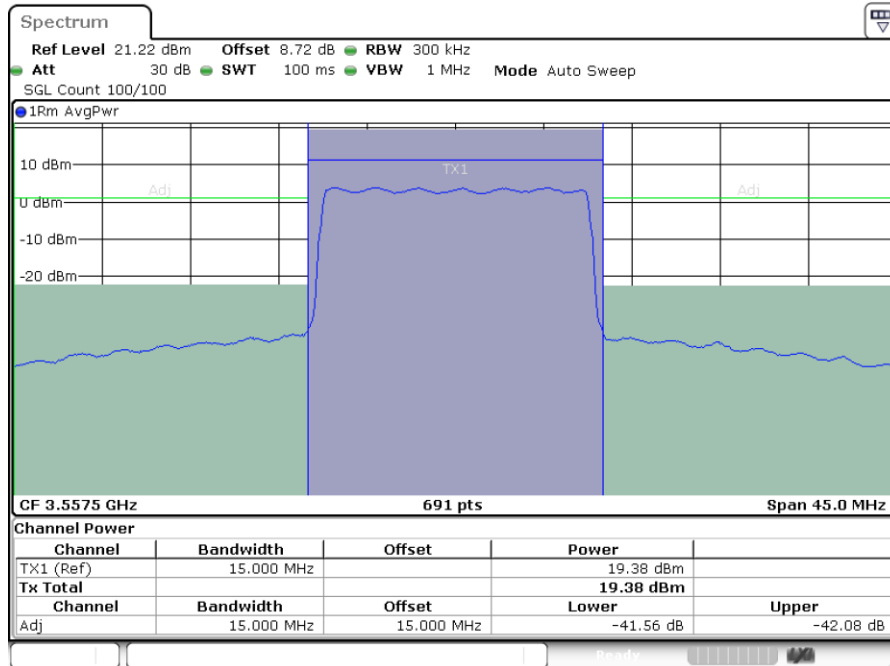
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB

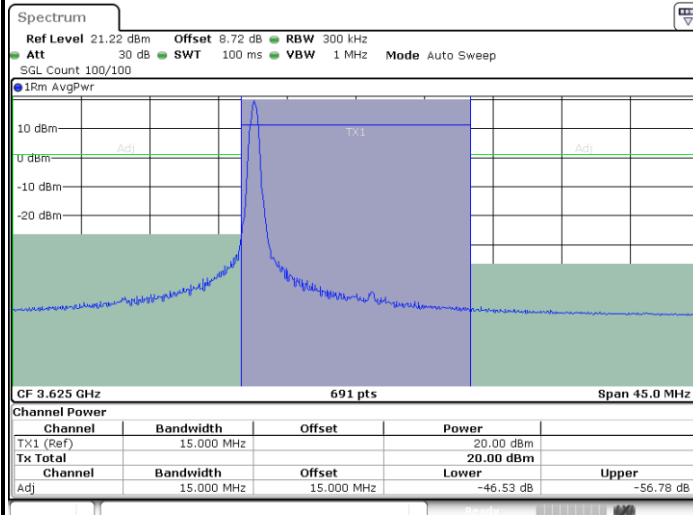




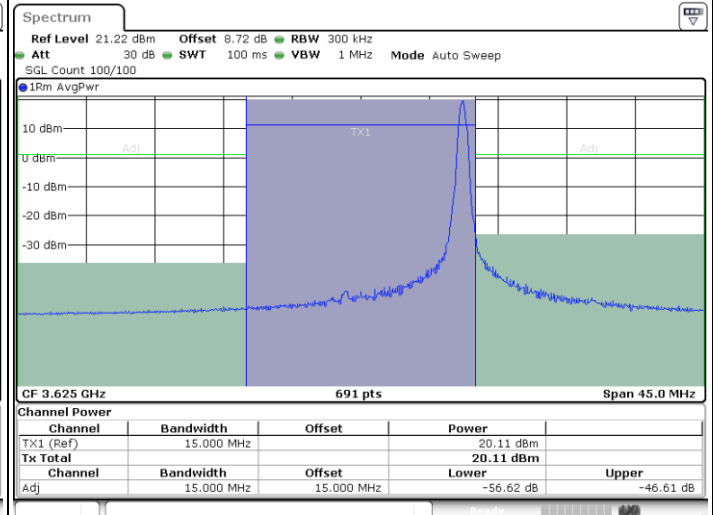
LTE Band 48 / 15MHz

64QAM

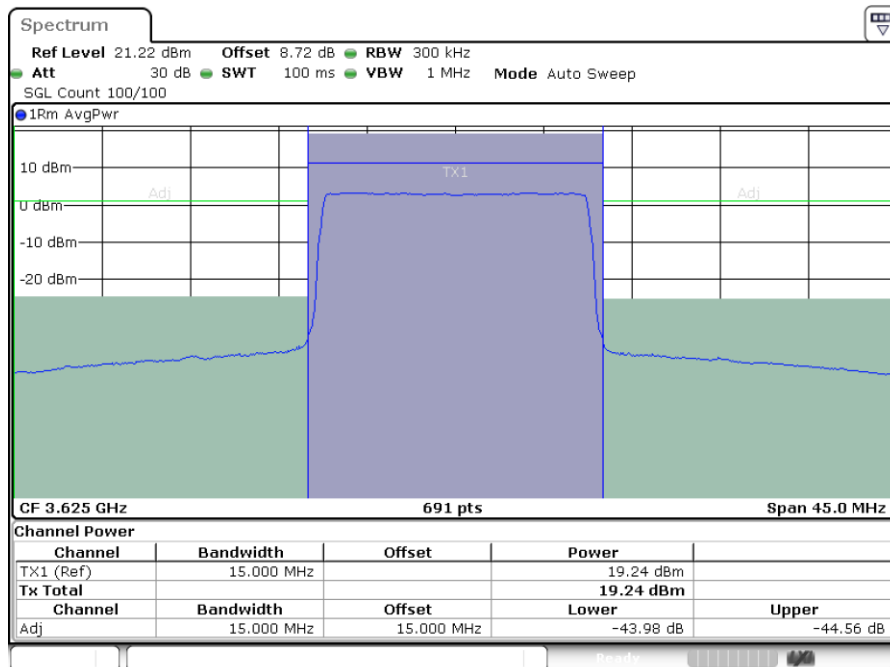
Middle Channel / 1RB0



Middle Channel / 1RBmax



Middle Channel / FullRB

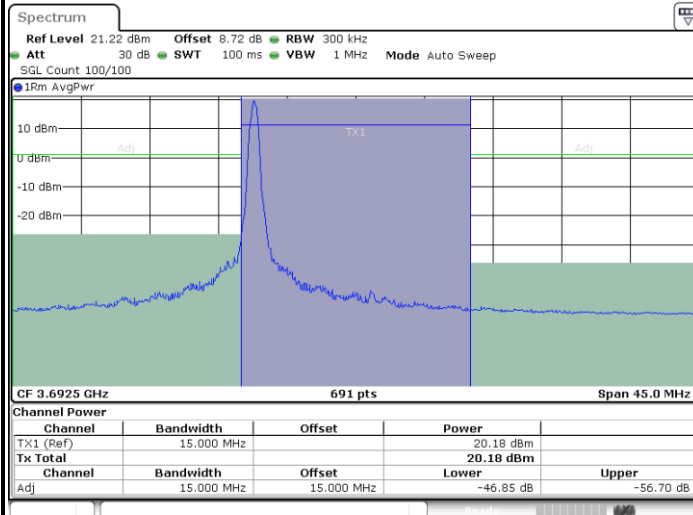




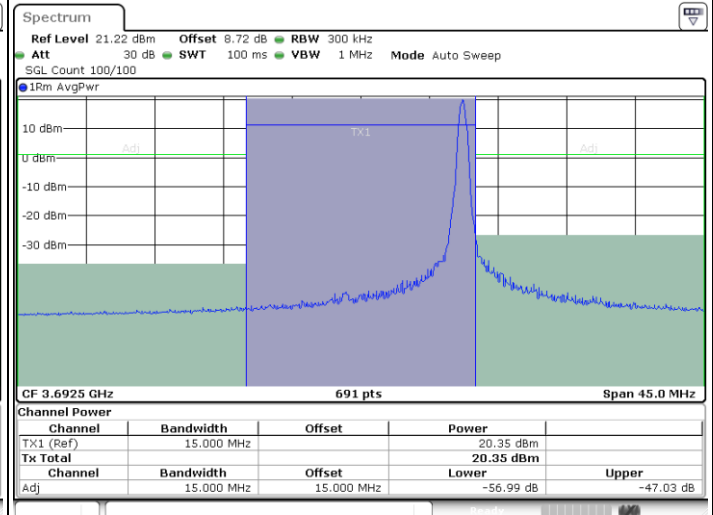
LTE Band 48 / 15MHz

64QAM

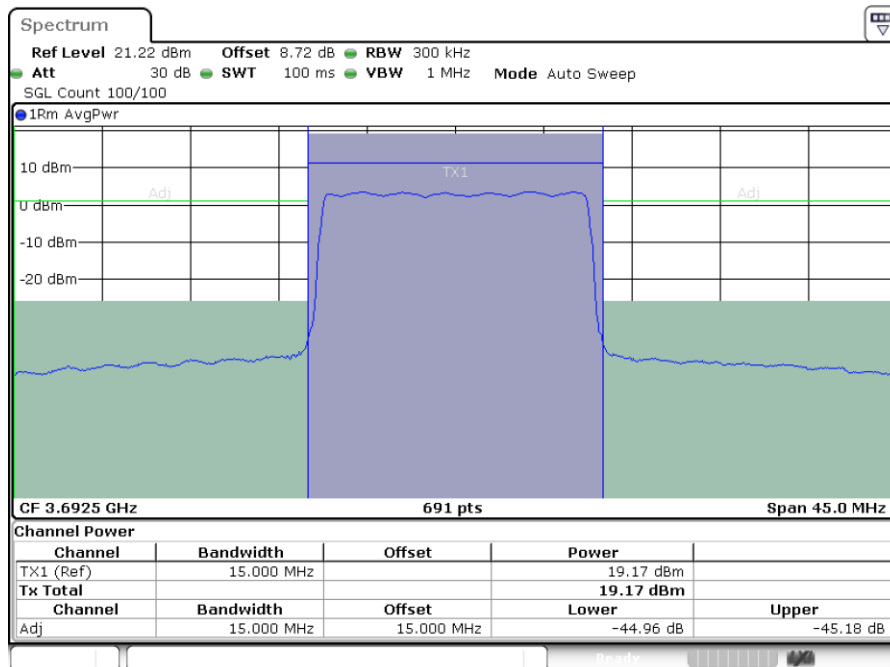
Highest Channel / 1RB0



Highest Channel / 1RBmax



Highest Channel / FullRB

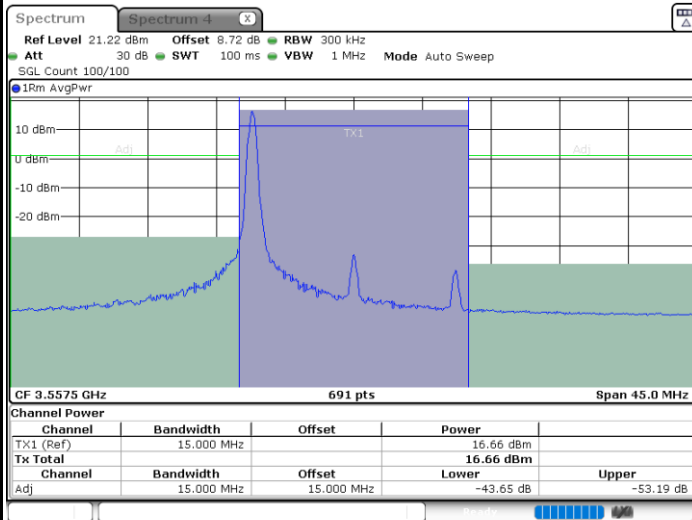




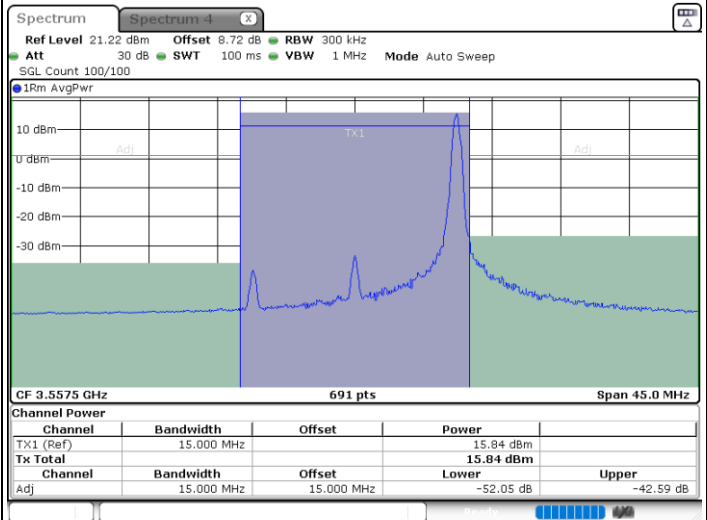
LTE Band 48 / 15MHz

256QAM

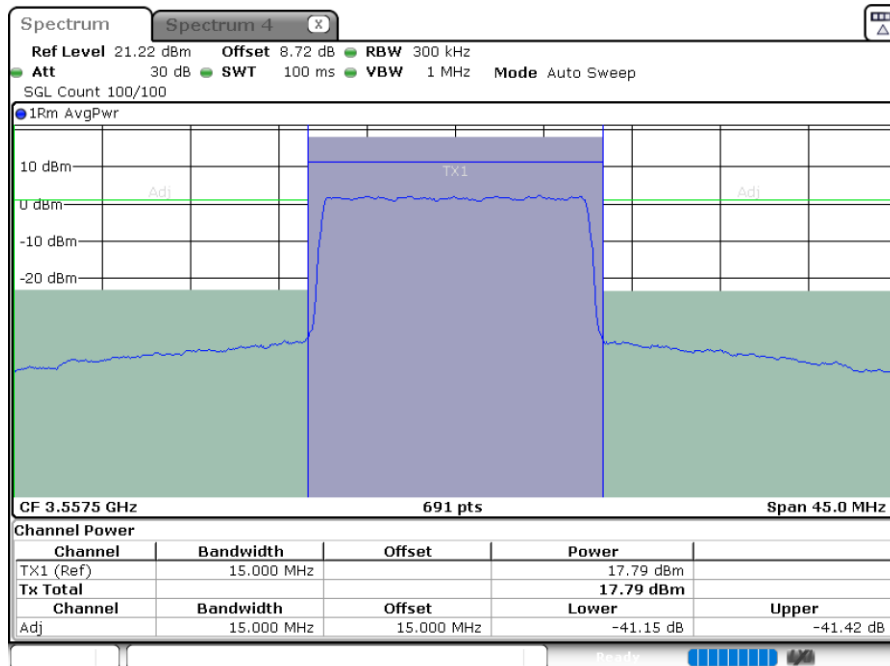
Lowest Channel / 1RB0



Lowest Channel / 1RBmax



Lowest Channel / FullRB



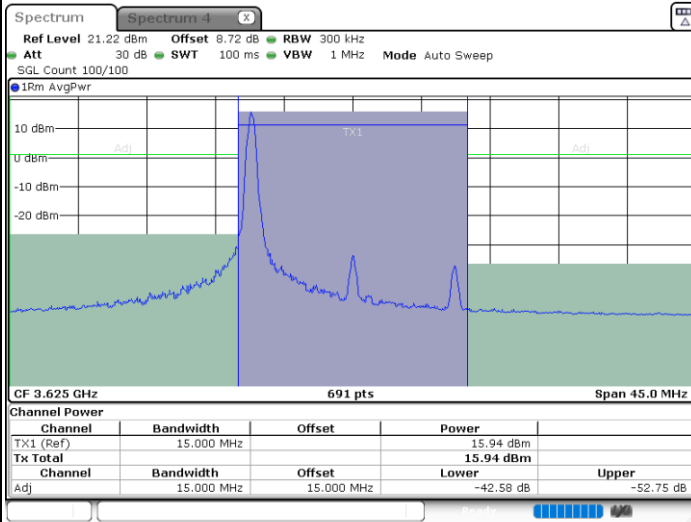


LTE Band 48 / 15MHz

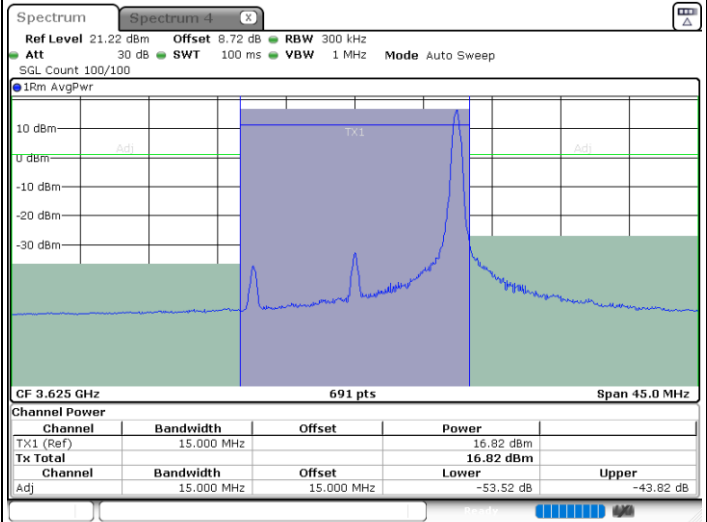
256QAM

Middle Channel / 1RB0

Middle Channel / 1RBmax

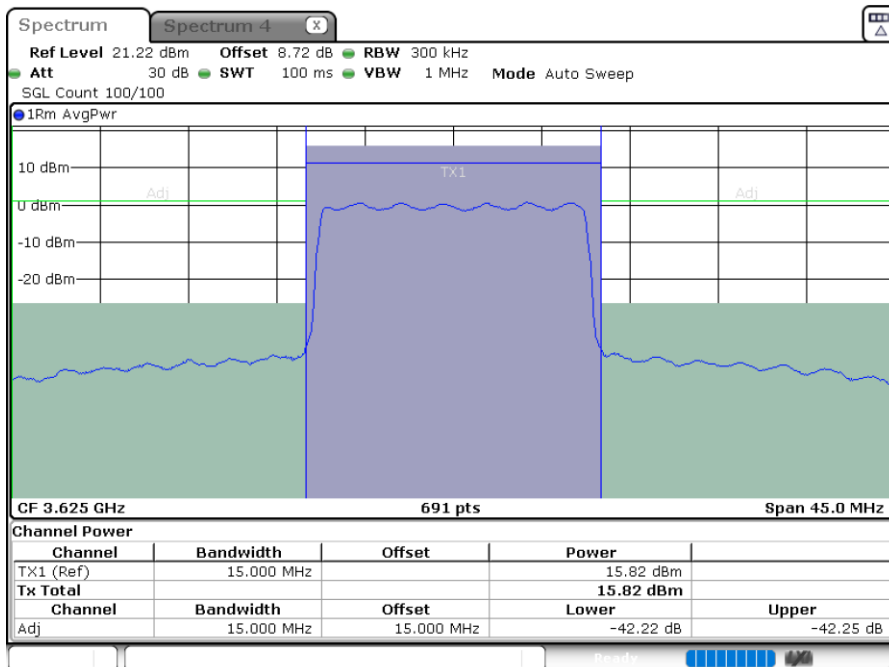


Date: 21.FEB.2023 01:36:08

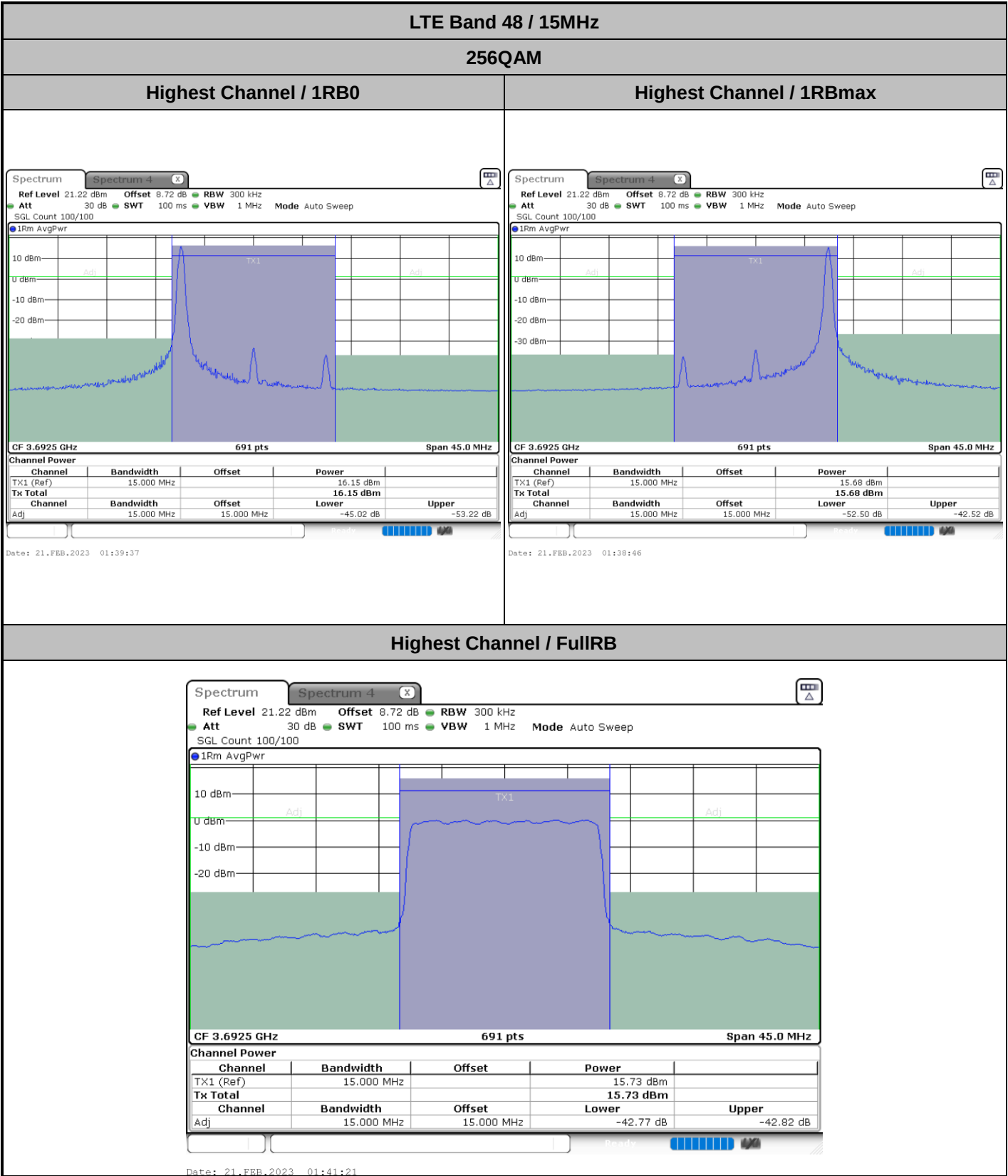


Date: 21.FEB.2023 01:36:52

Middle Channel / FullRB



Date: 21.FEB.2023 01:35:23



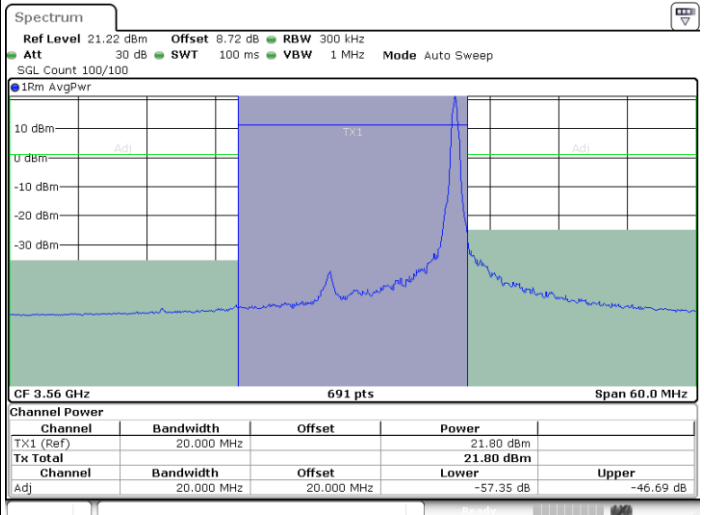
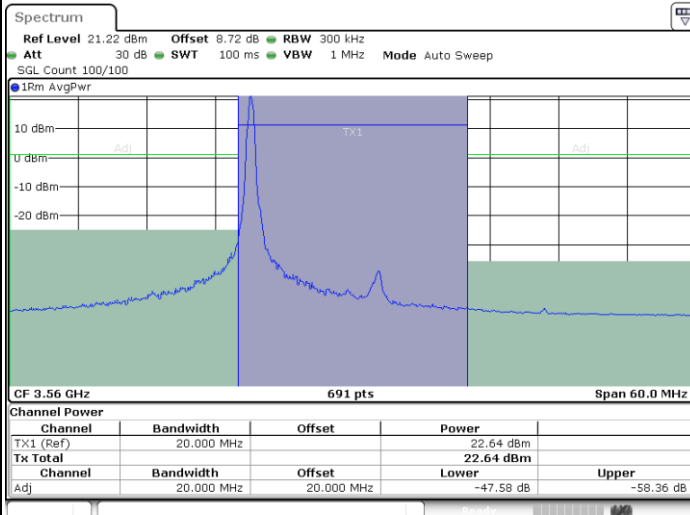


LTE Band 48 / 20MHz

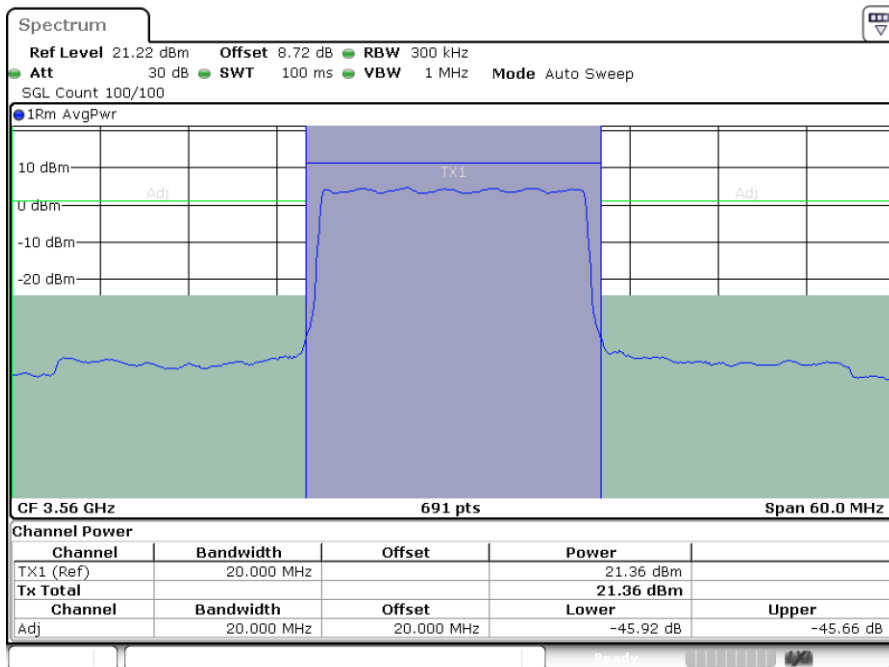
QPSK

Lowest Channel / 1RB0

Lowest Channel / 1RBmax



Lowest Channel / FullRB

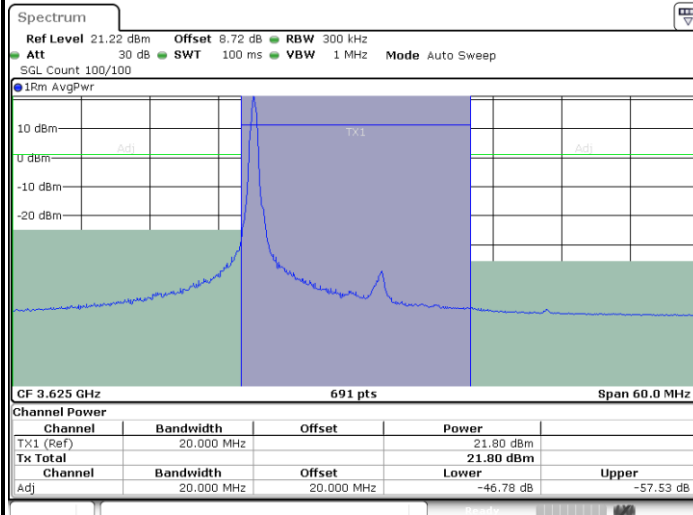




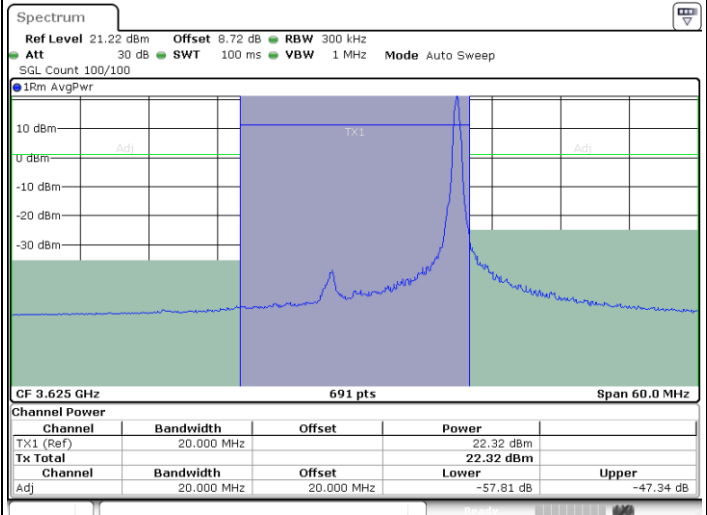
LTE Band 48 / 20MHz

QPSK

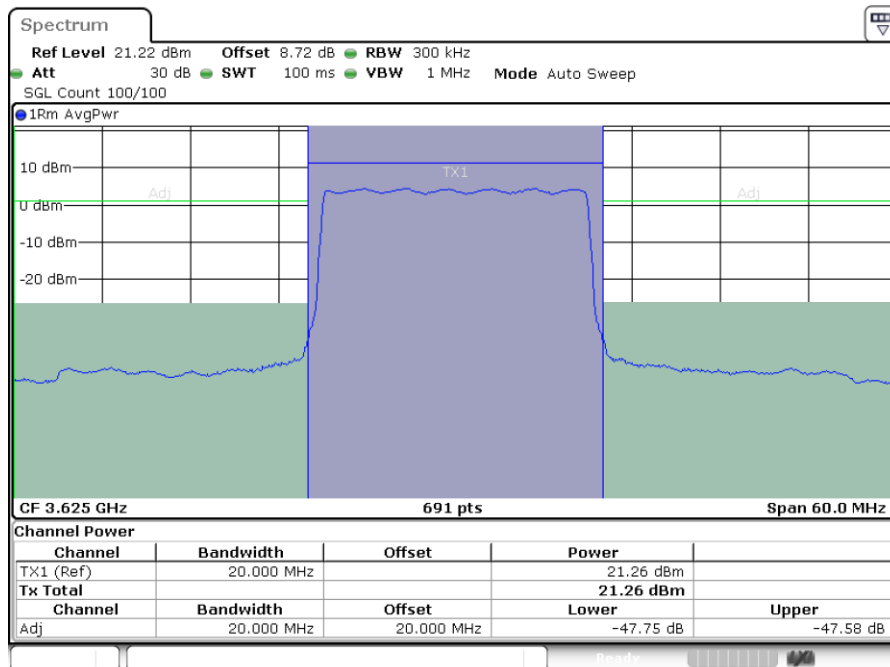
Middle Channel / 1RB0

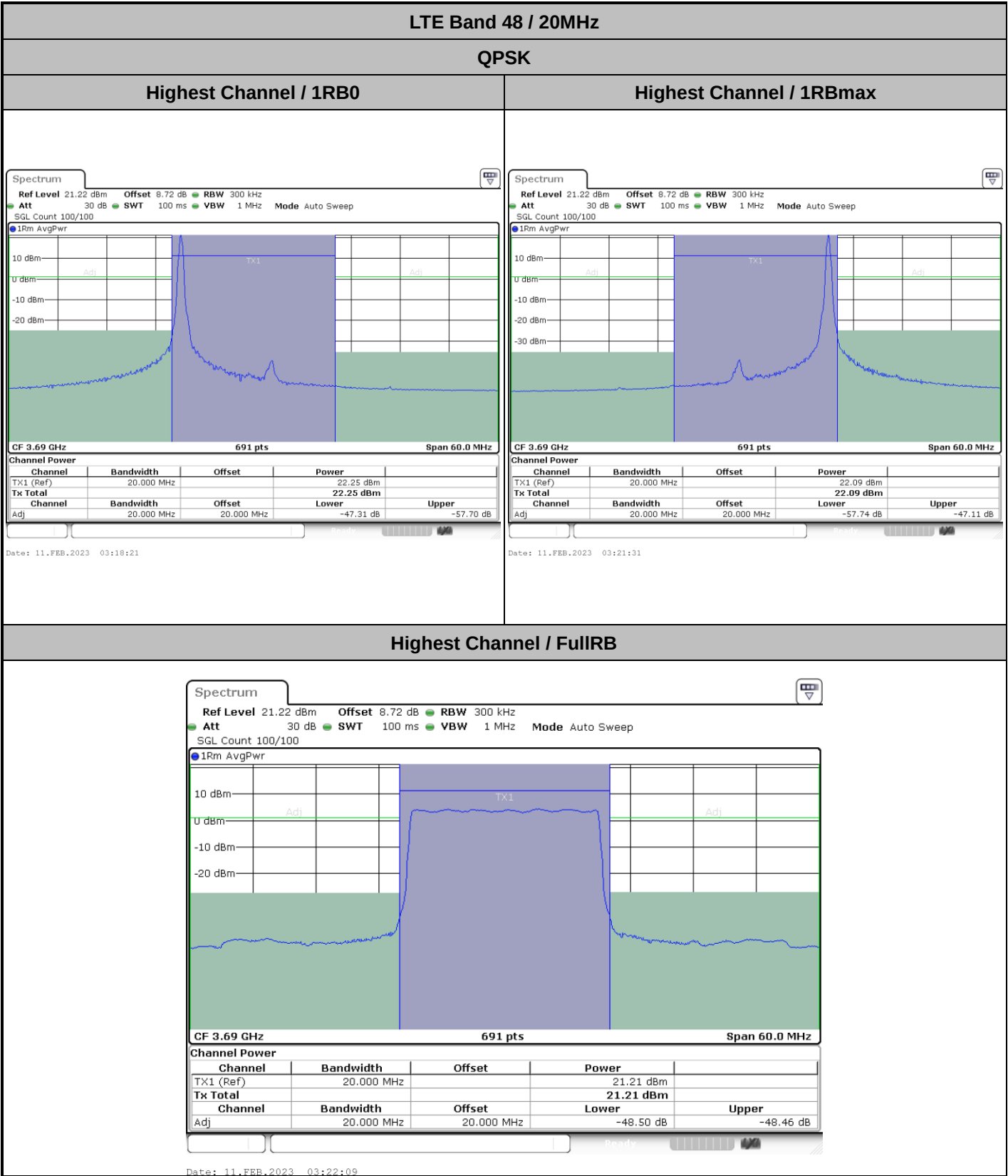


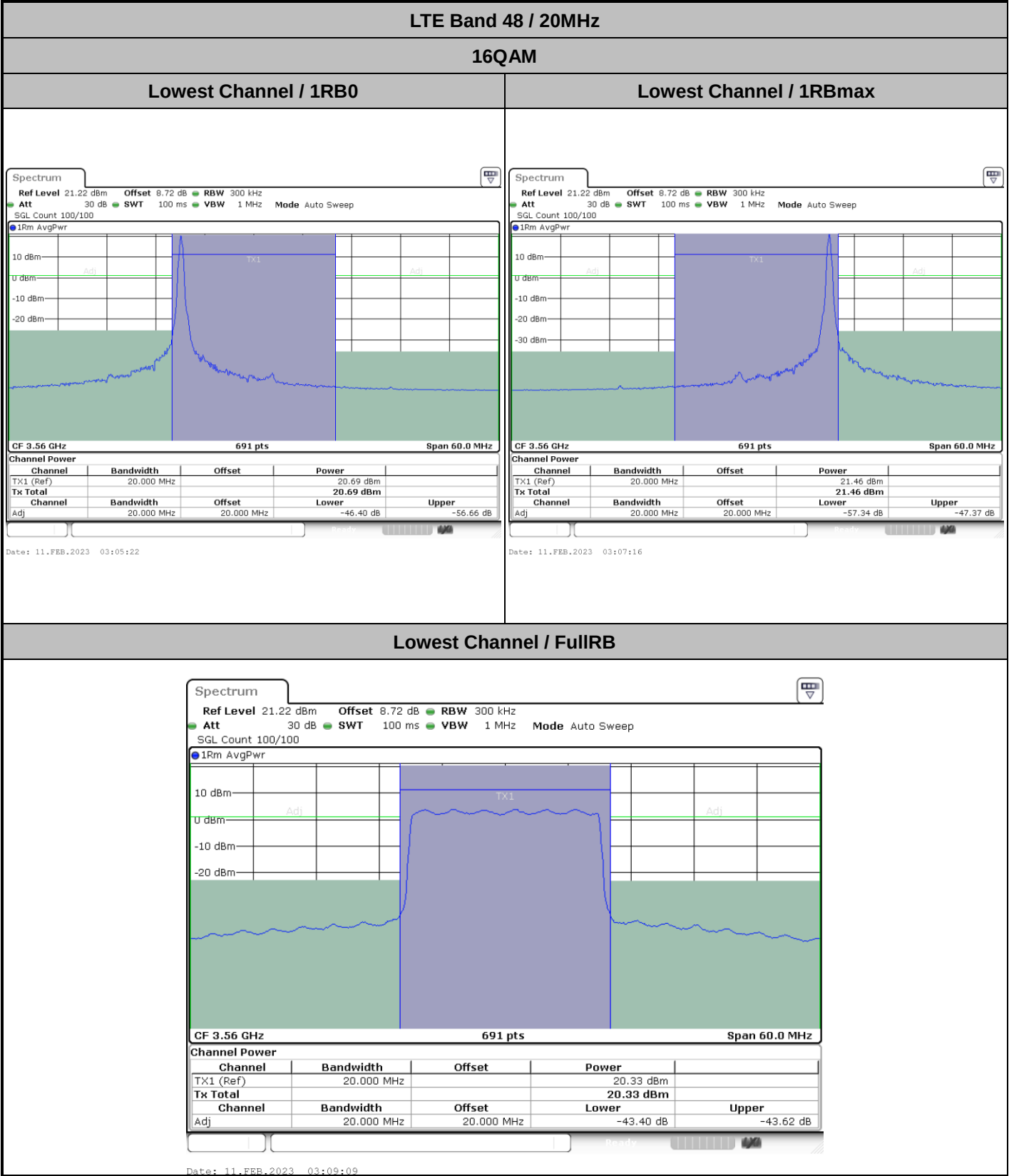
Middle Channel / 1RBmax



Middle Channel / FullRB





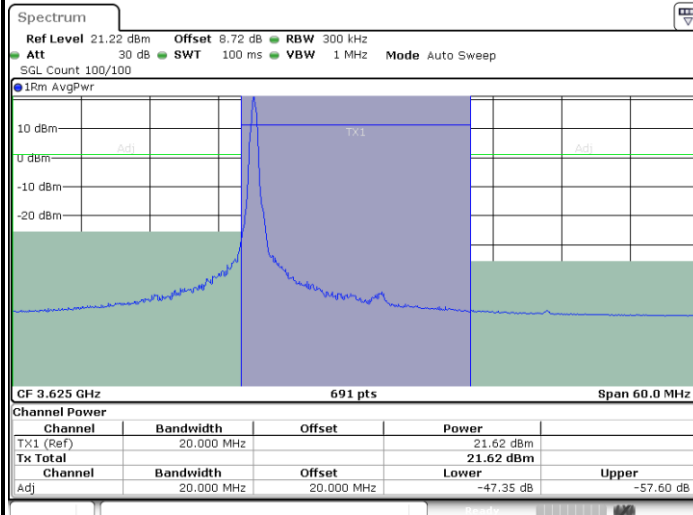




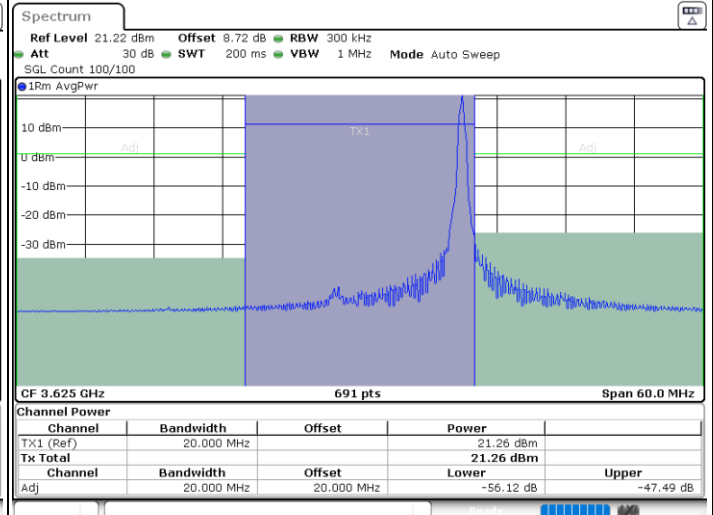
LTE Band 48 / 20MHz

16QAM

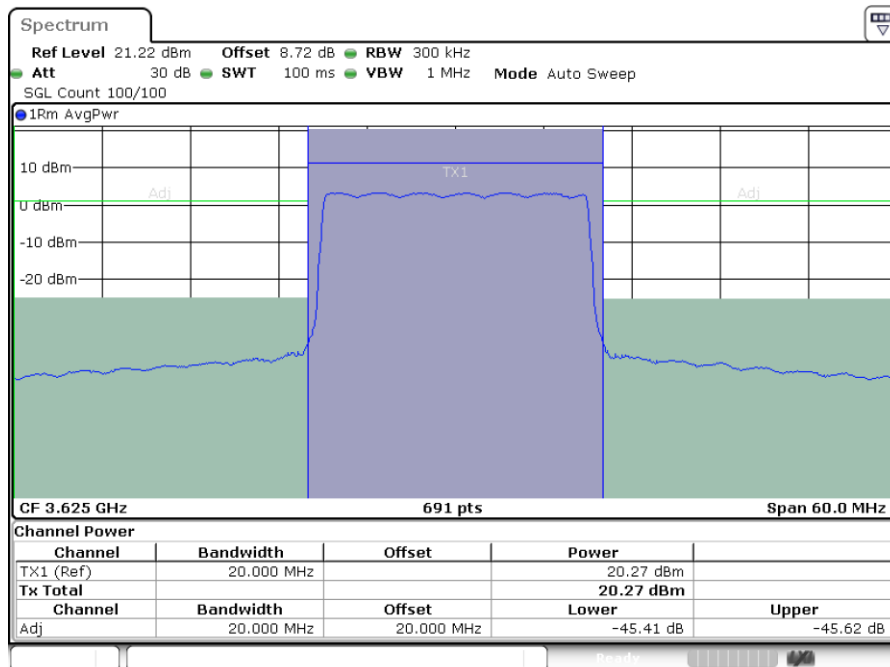
Middle Channel / 1RB0

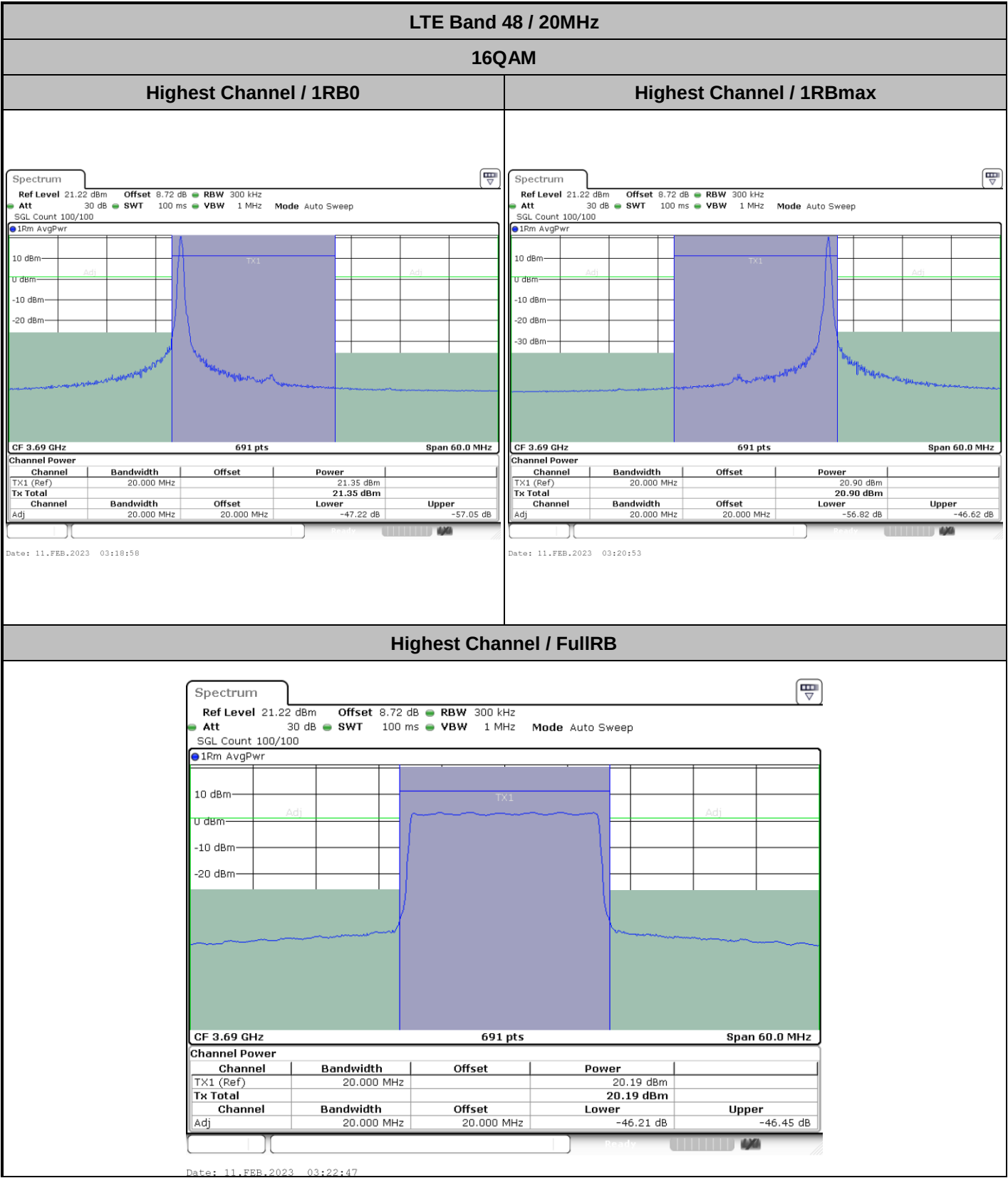


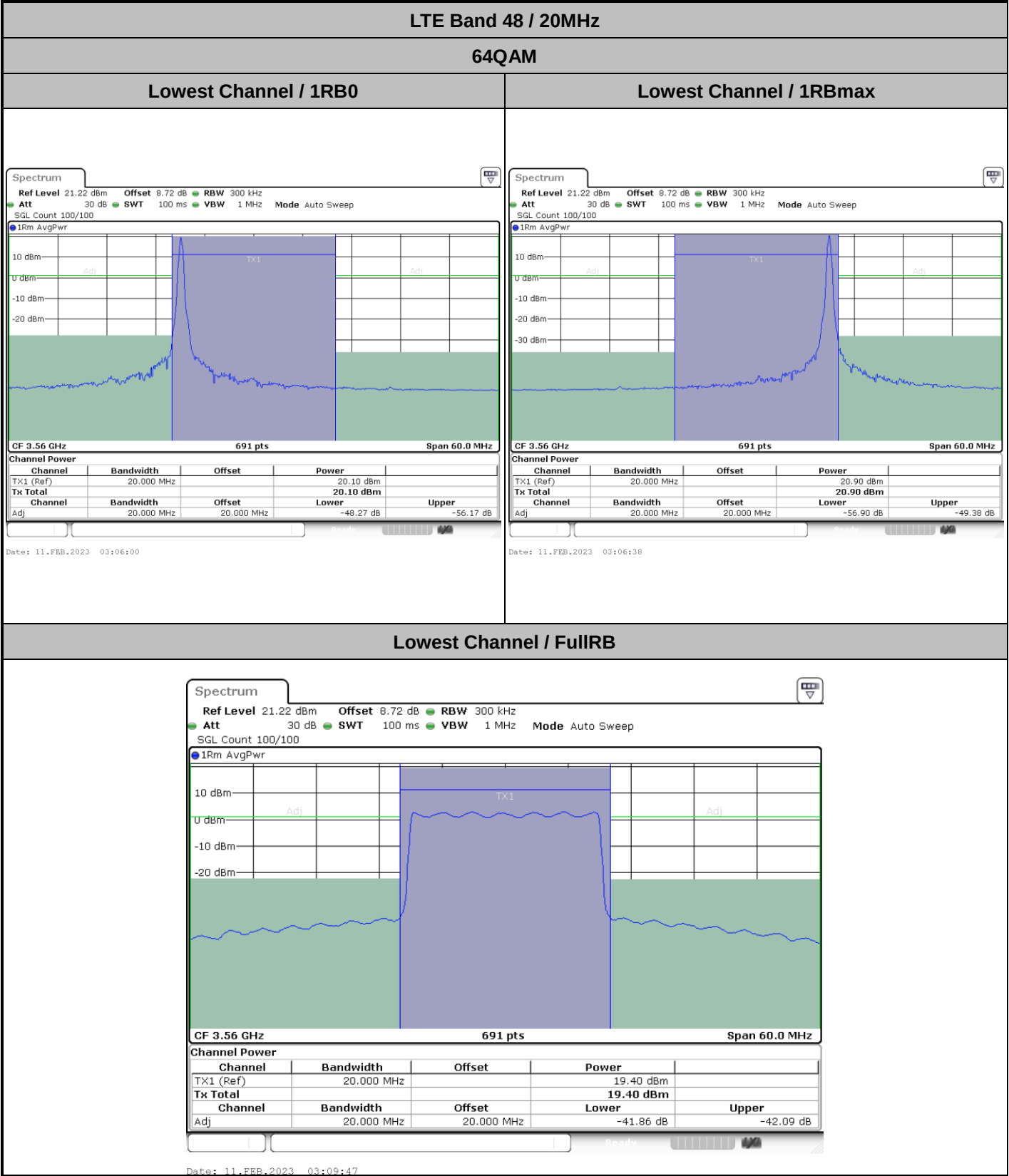
Middle Channel / 1RBmax

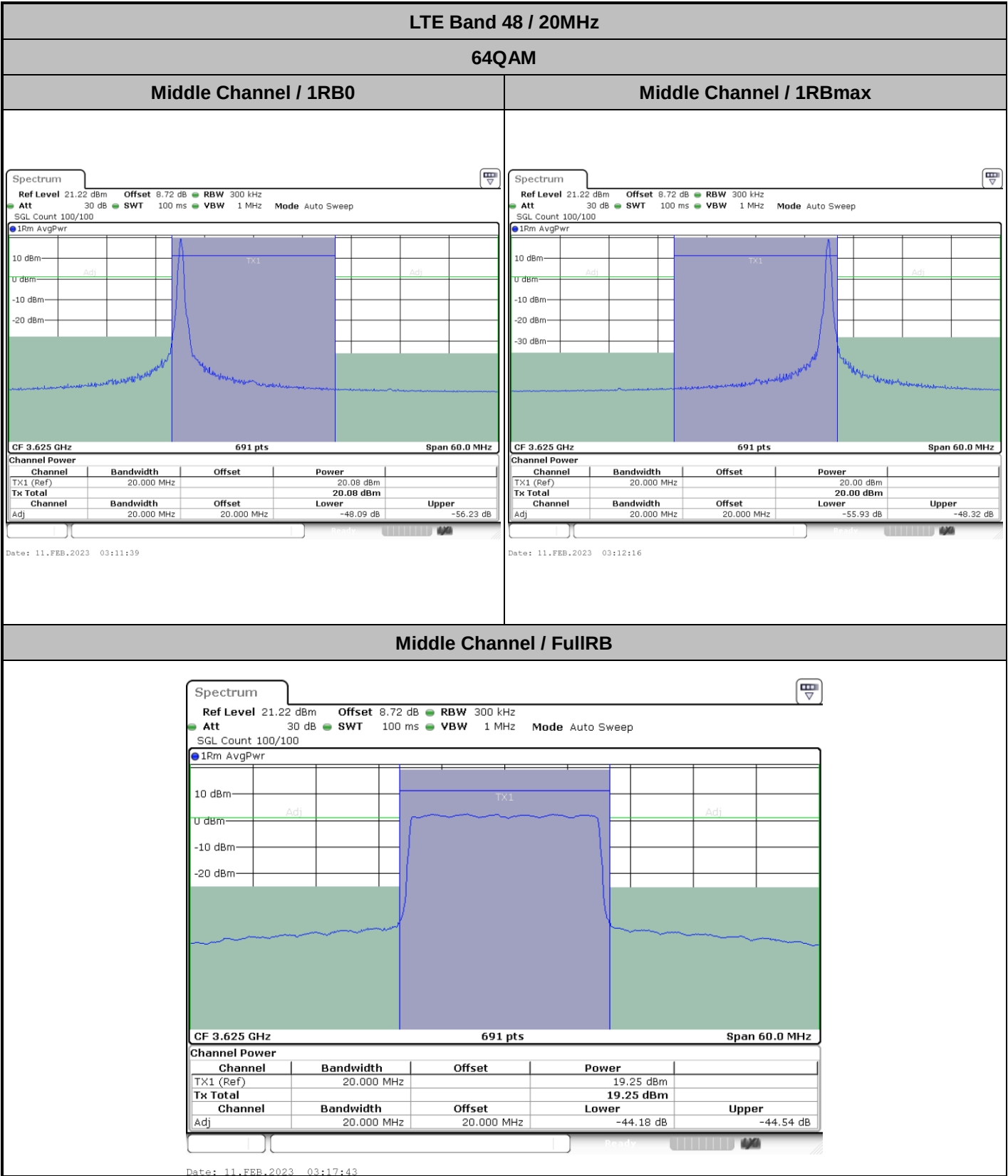


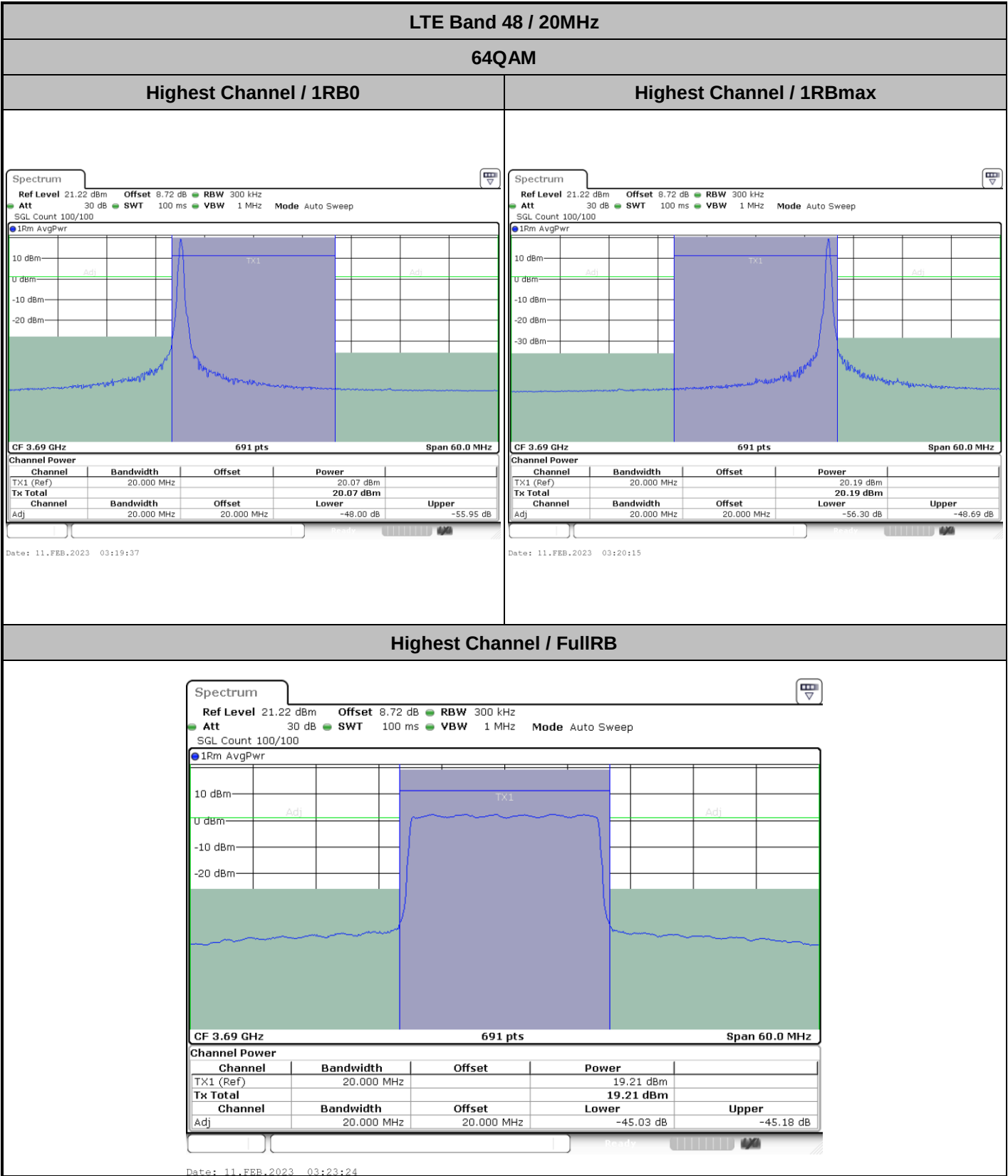
Middle Channel / FullRB

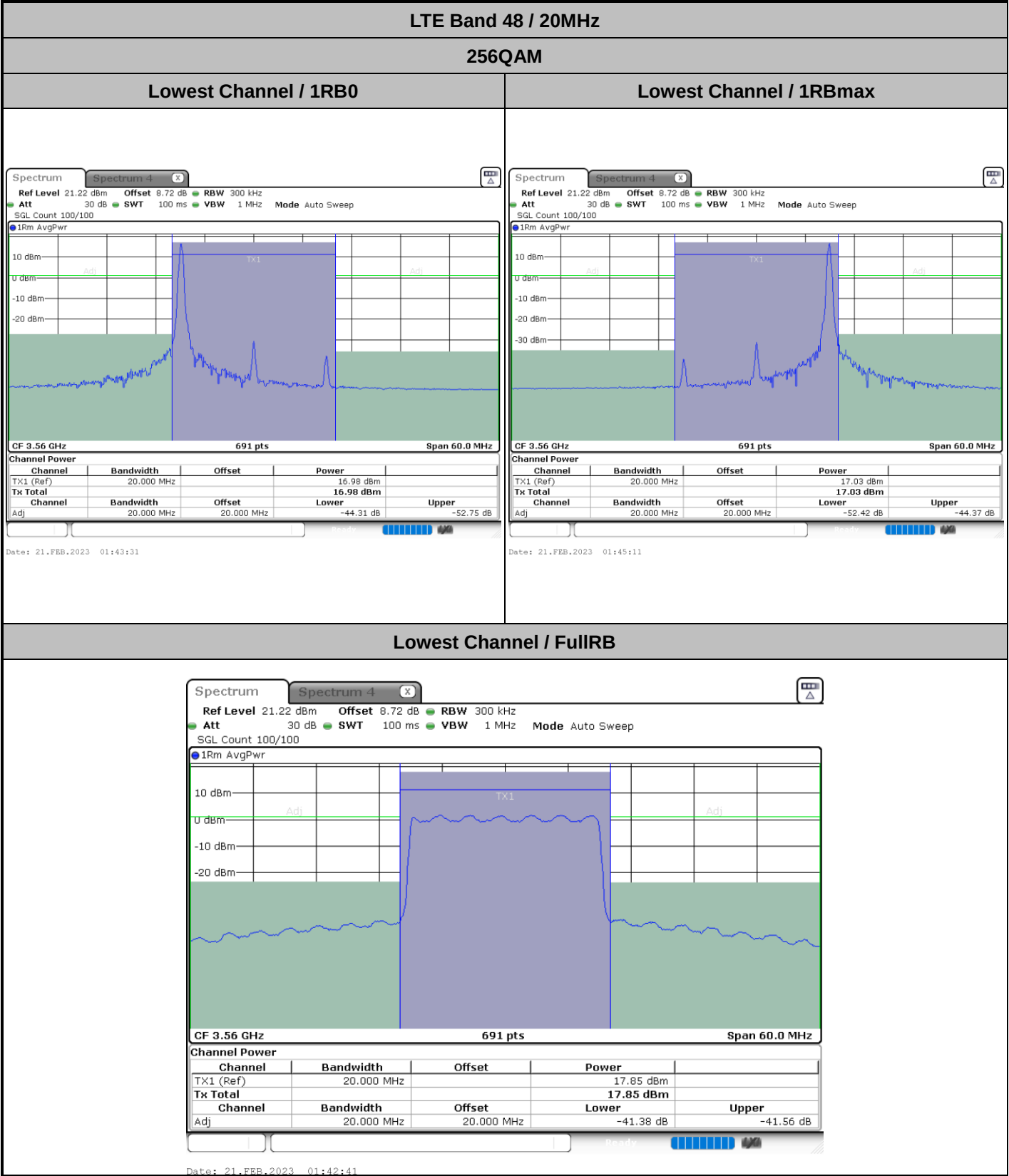


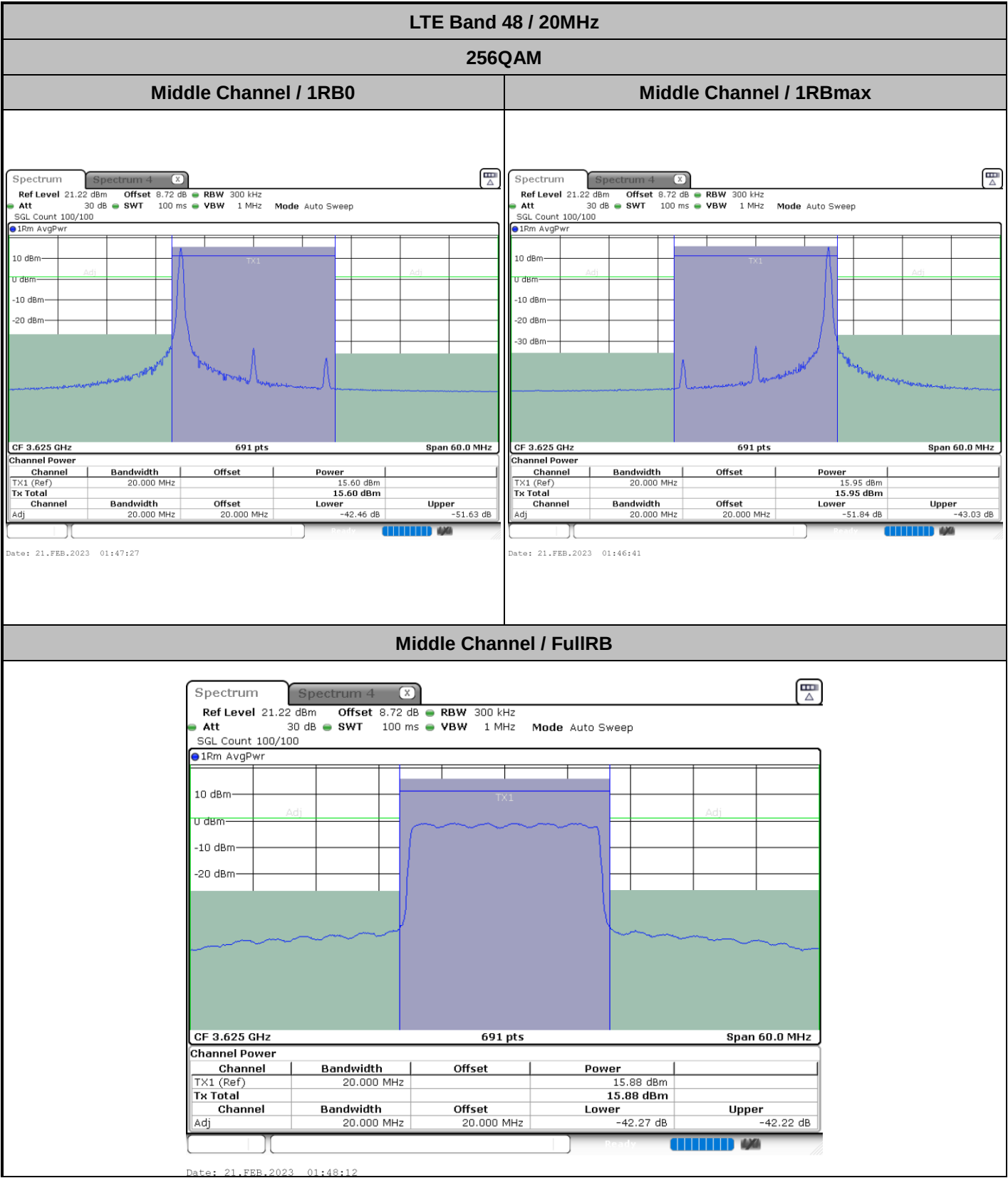


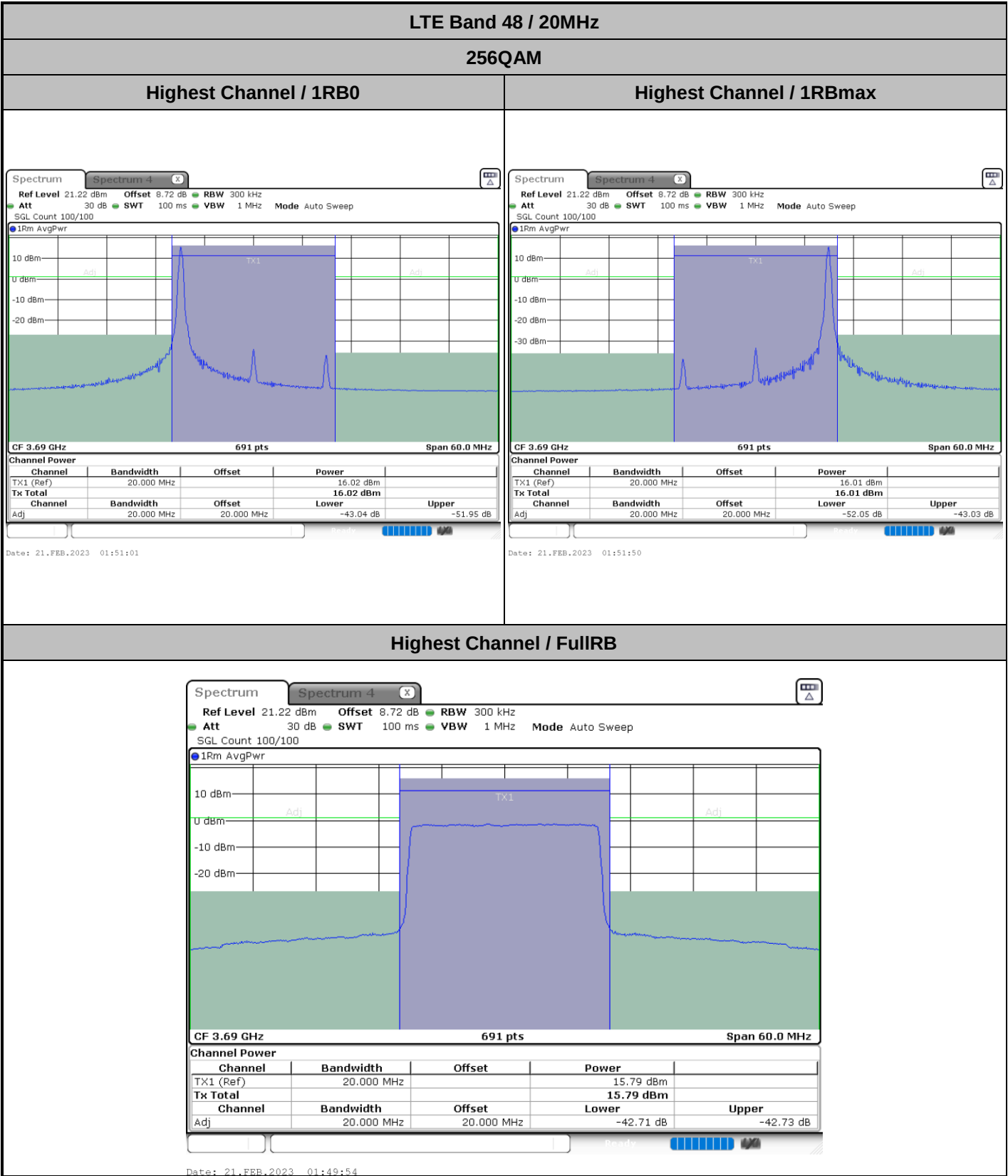












Frequency Stability

Test Conditions		LTE Band 48 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 10MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0023	PASS
40	Normal Voltage	0.0019	
30	Normal Voltage	0.0012	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0008	
0	Normal Voltage	0.0013	
-10	Normal Voltage	0.0021	
-20	Normal Voltage	0.0015	
-30	Normal Voltage	0.0027	
20	Maximum Voltage	0.0026	
20	Normal Voltage	0.0009	
20	Battery End Point	0.0012	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.45V. ; Maximum Voltage =4.41V.
2. Note: The frequency fundamental emissions stay within the authorized frequency block.

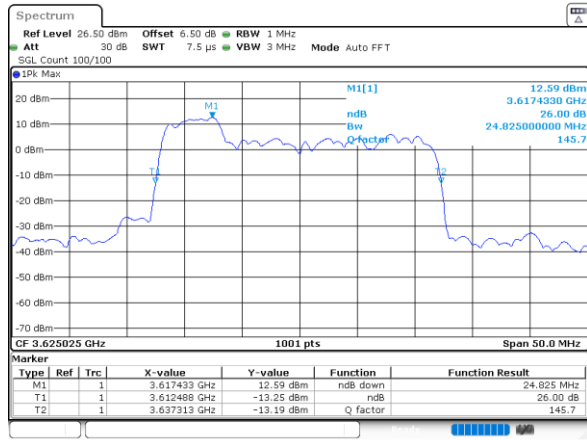
LTE Band 48C

26dB Bandwidth

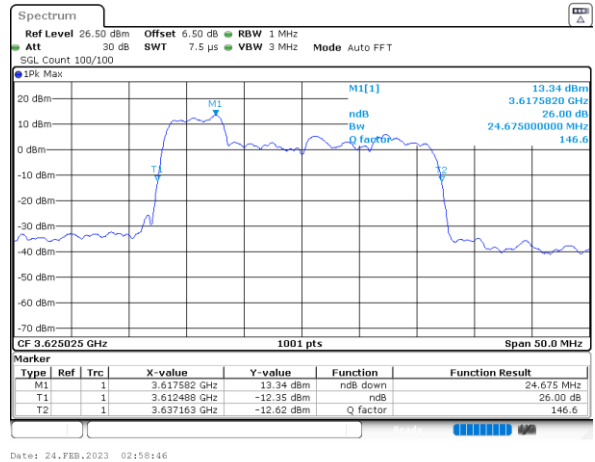
Mode	LTE Band 48C : 26dB BW(MHz)	
QPSK	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	24.83	24.68
QPSK	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	29.79	29.85
QPSK	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	34.69	34.69
QPSK	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	24.93	24.88
QPSK	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	30.03	30.99
QPSK	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	34.83	34.76
QPSK	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	39.80	39.72

LTE Band 48C

Middle Channel / 5MHz+20MHz/QPSK

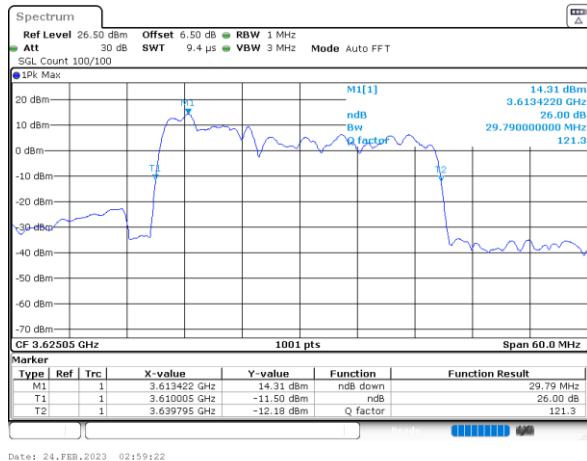


Middle Channel / 5MHz+20MHz/16QAM

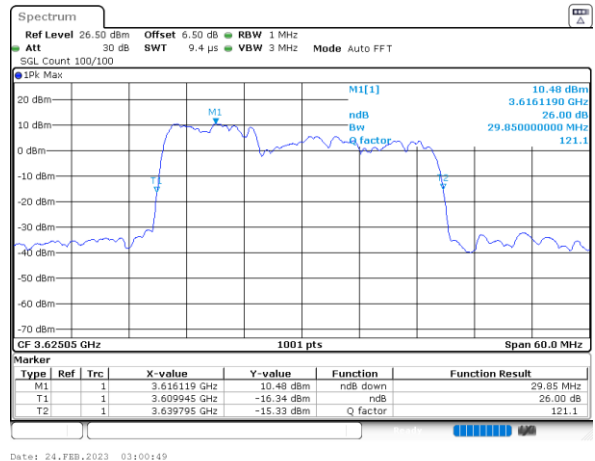


LTE Band 48C

Middle Channel / 10MHz+20MHz/QPSK

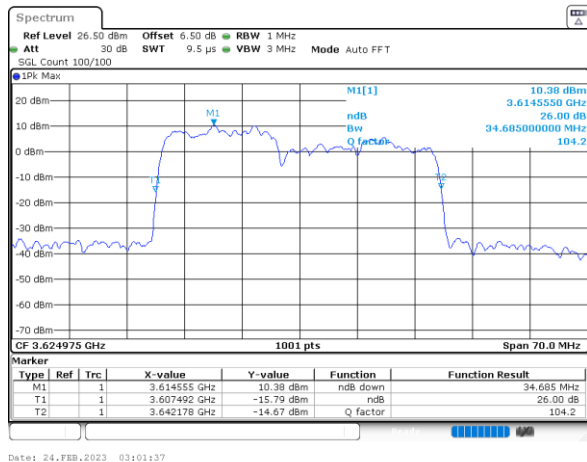


Middle Channel / 10MHz+20MHz/16QAM

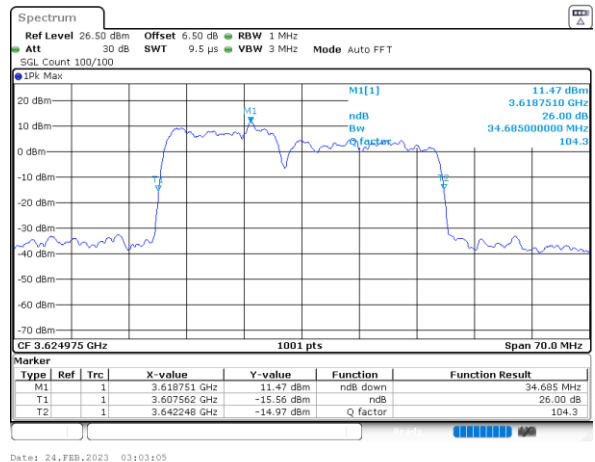


LTE Band 48C

Middle Channel / 15MHz+20MHz/QPSK

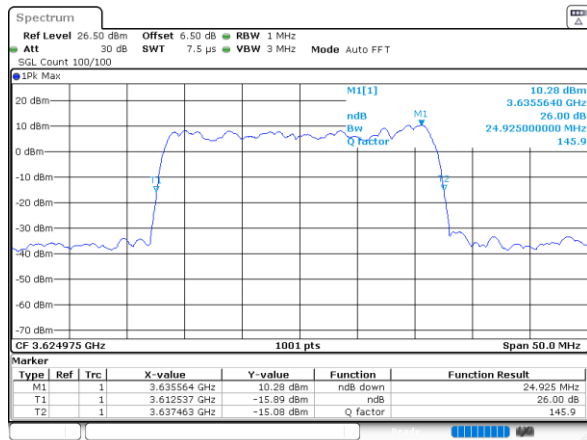


Middle Channel / 15MHz+20MHz/16QAM

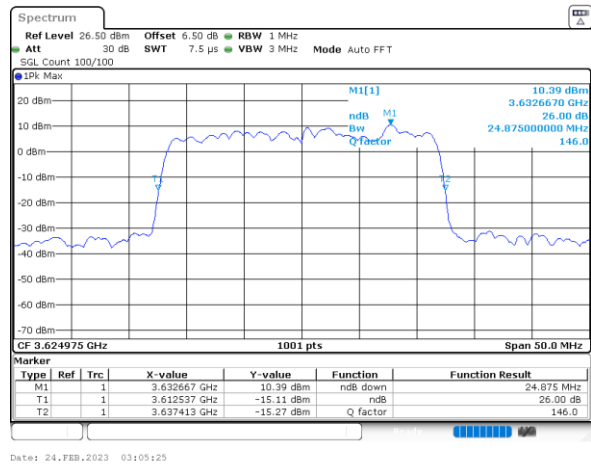


LTE Band 48C

Middle Channel / 20MHz+5MHz/QPSK

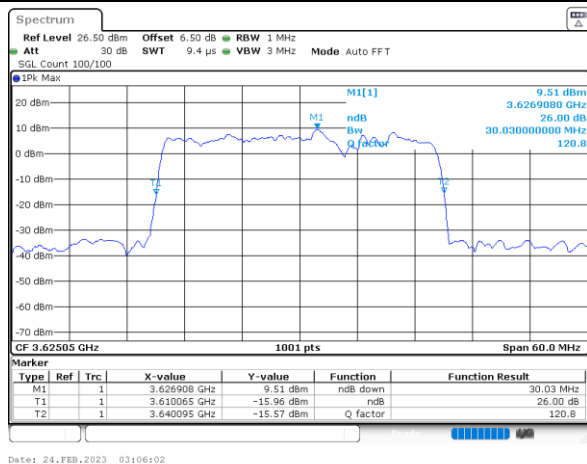


Middle Channel / 20MHz+5MHz/16QAM

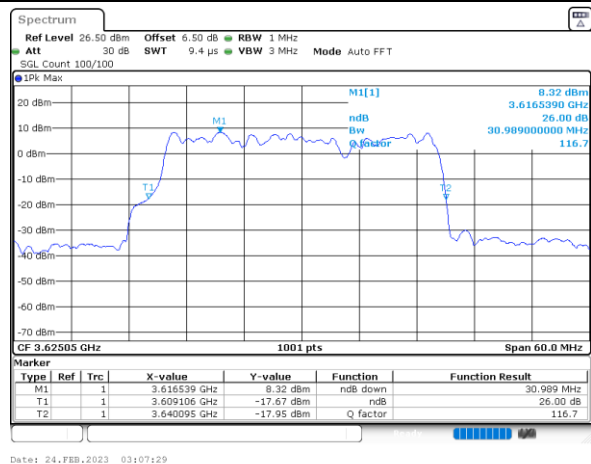


LTE Band 48C

Middle Channel / 20MHz+10MHz/QPSK

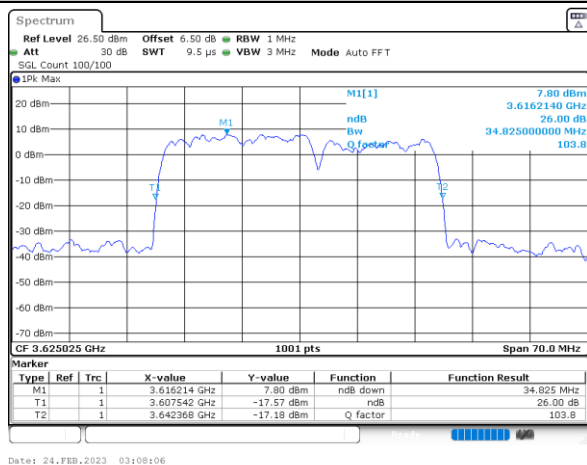


Middle Channel / 20MHz+10MHz/16QAM

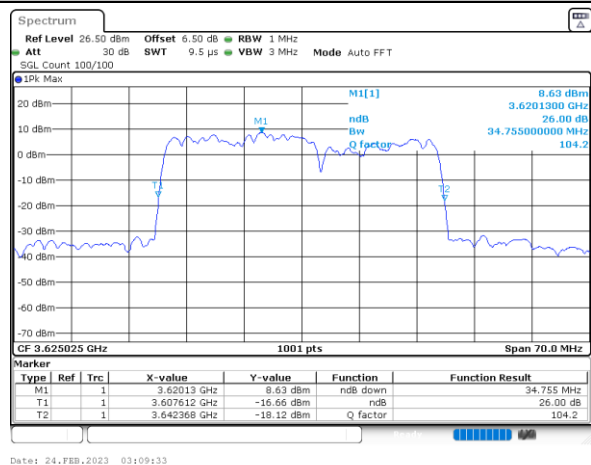


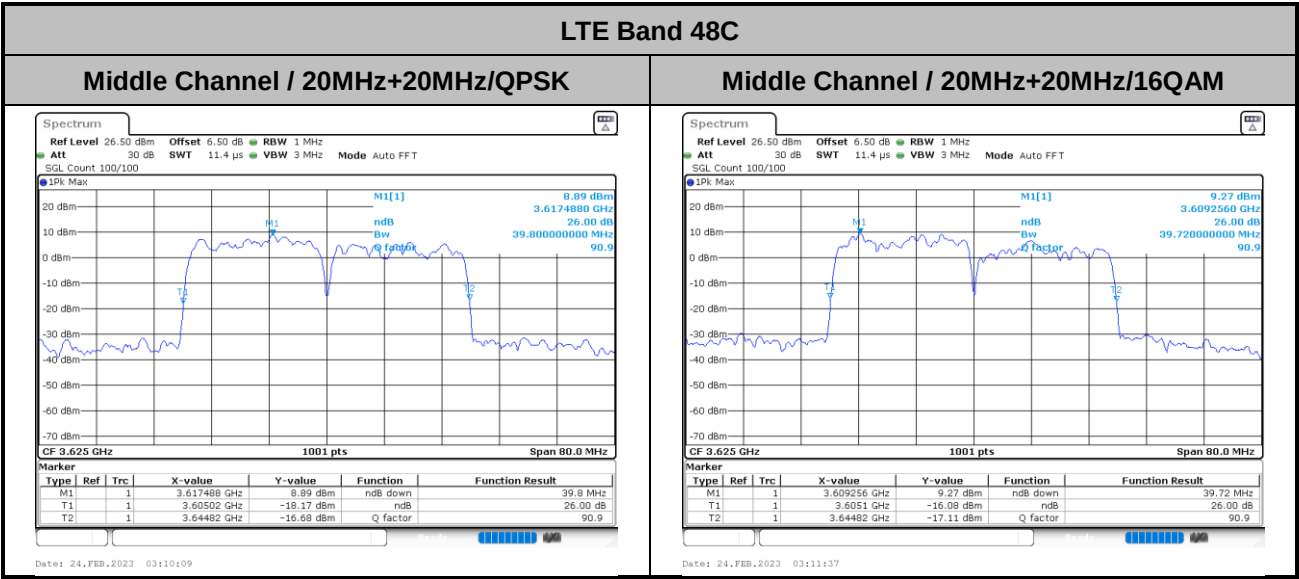
LTE Band 48C

Middle Channel / 20MHz+15MHz/QPSK



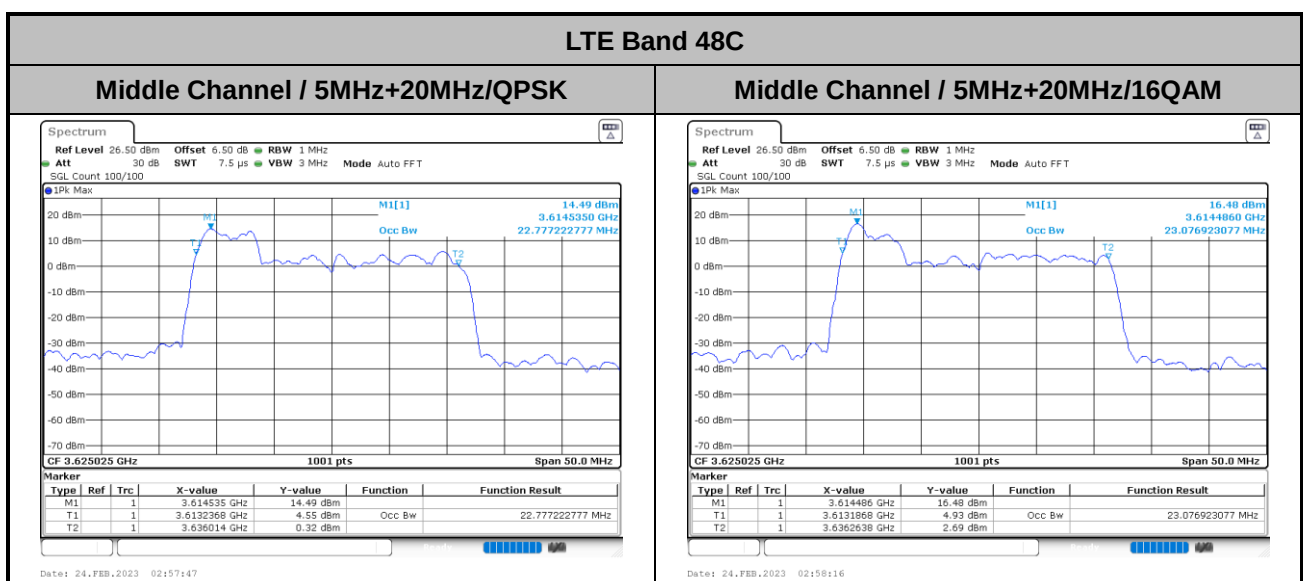
Middle Channel / 20MHz+15MHz/16QAM





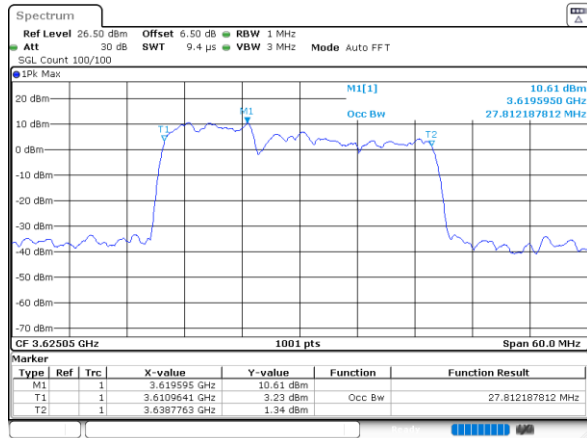
Occupied Bandwidth

Mode	LTE Band 48C : OBW(MHz)	
QPSK	QPSK	16QAM
BW	5MHz+20MHz	5MHz+20MHz
Middle CH	22.78	23.08
QPSK	QPSK	16QAM
BW	10MHz+20MHz	10MHz+20MHz
Middle CH	27.81	27.75
QPSK	QPSK	16QAM
BW	15MHz+20MHz	15MHz+20MHz
Middle CH	32.94	32.66
QPSK	QPSK	16QAM
BW	20MHz+5MHz	20MHz+5MHz
Middle CH	23.23	23.18
QPSK	QPSK	16QAM
BW	20MHz+10MHz	20MHz+10MHz
Middle CH	27.93	28.17
QPSK	QPSK	16QAM
BW	20MHz+15MHz	20MHz+15MHz
Middle CH	32.73	32.59
QPSK	QPSK	16QAM
BW	20MHz+20MHz	20MHz+20MHz
Middle CH	37.56	37.24

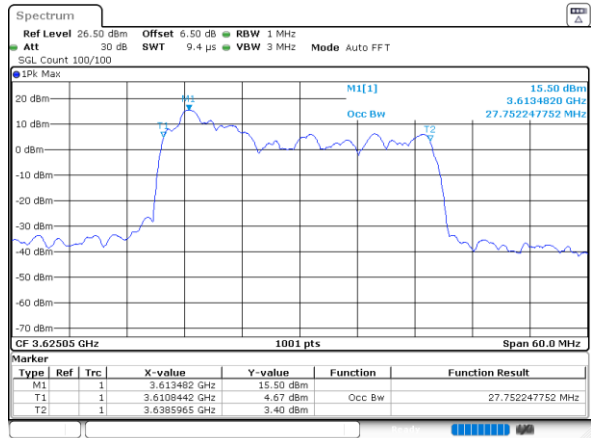


LTE Band 48C

Middle Channel / 10MHz+20MHz/QPSK

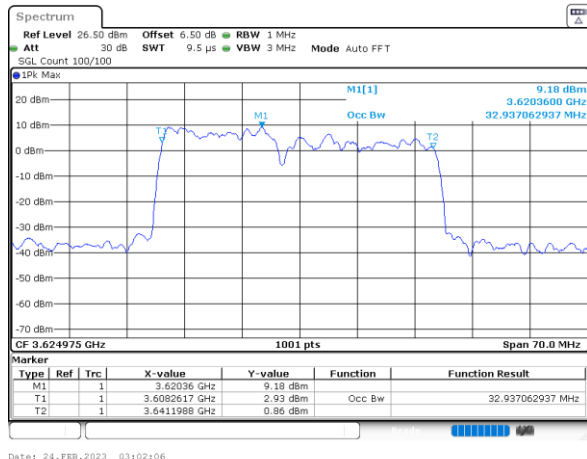


Middle Channel / 10MHz+20MHz/16QAM

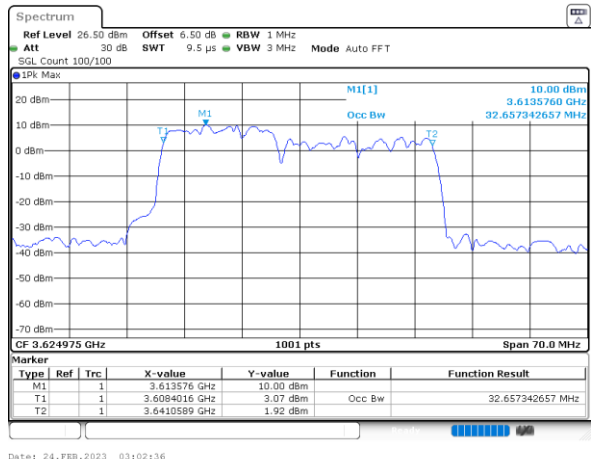


LTE Band 48C

Middle Channel / 15MHz+20MHz/QPSK

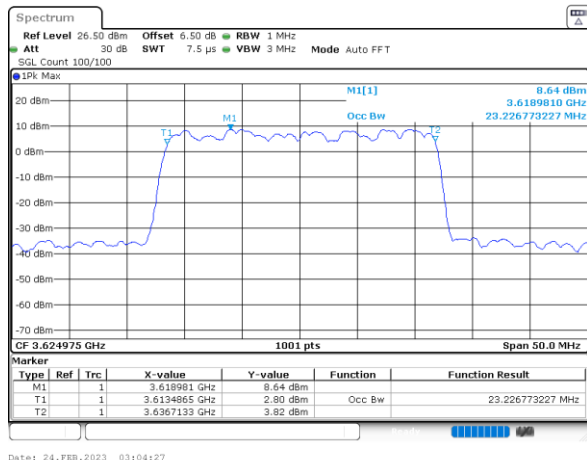


Middle Channel / 15MHz+20MHz/16QAM

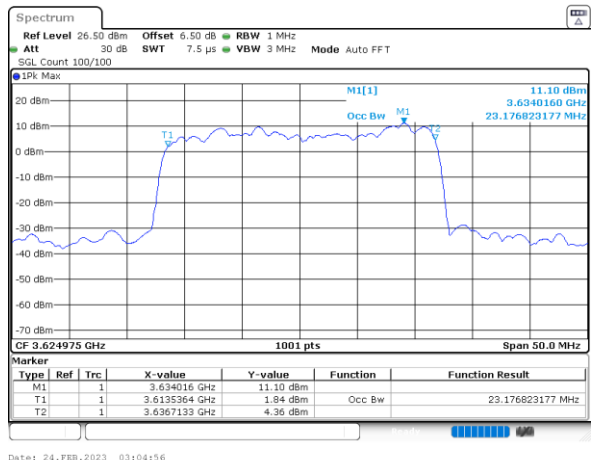


LTE Band 48C

Middle Channel / 20MHz+5MHz/QPSK

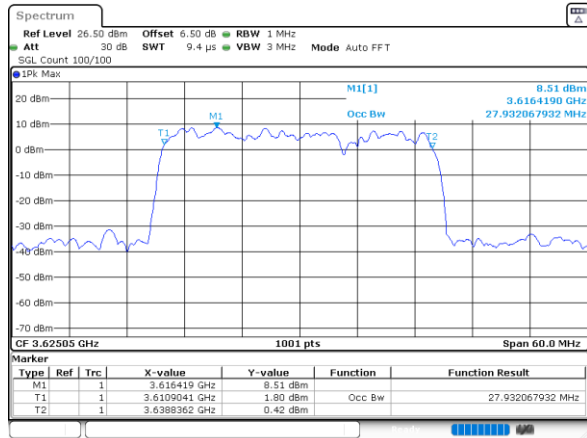


Middle Channel / 20MHz+5MHz/16QAM

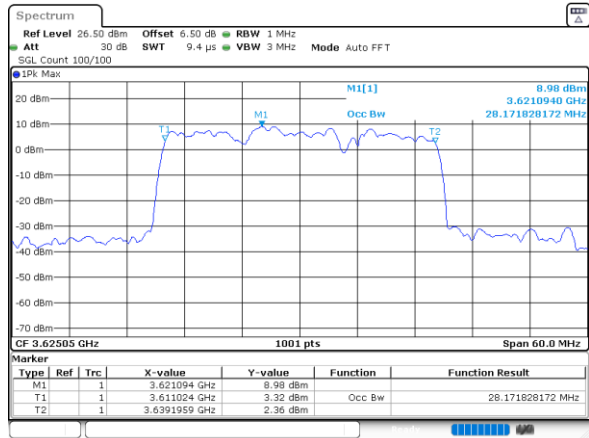


LTE Band 48C

Middle Channel / 20MHz+10MHz/QPSK

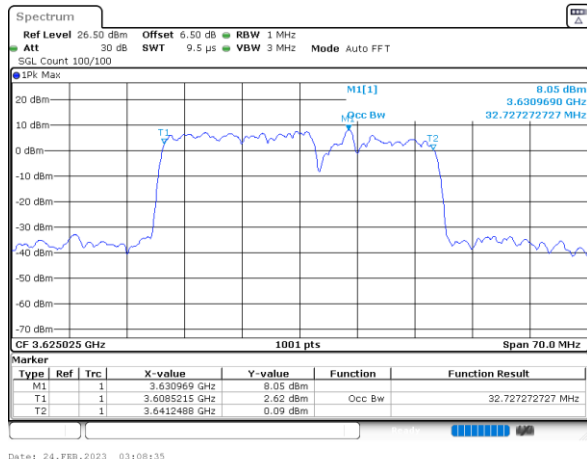


Middle Channel / 20MHz+10MHz/16QAM

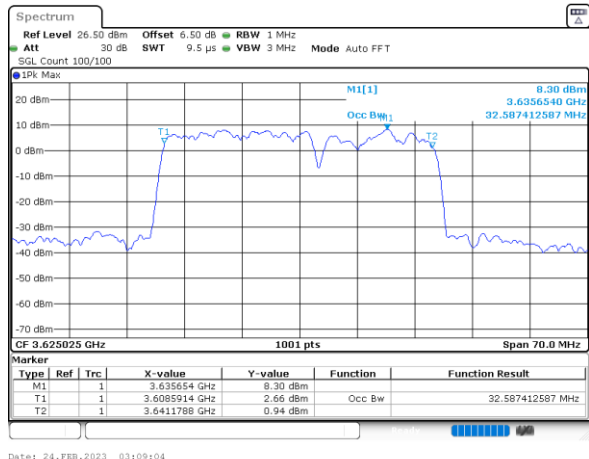


LTE Band 48C

Middle Channel / 20MHz+15MHz/QPSK

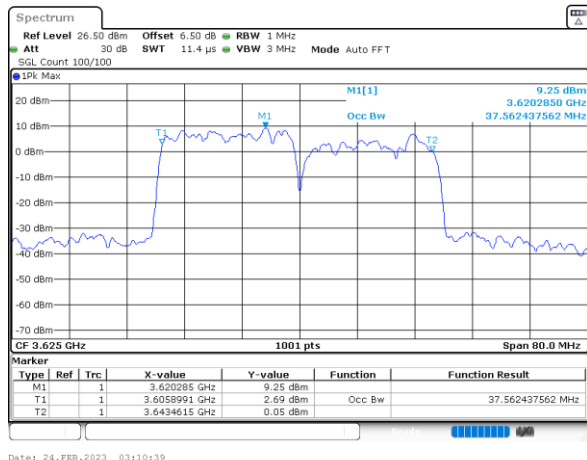


Middle Channel / 20MHz+15MHz/16QAM

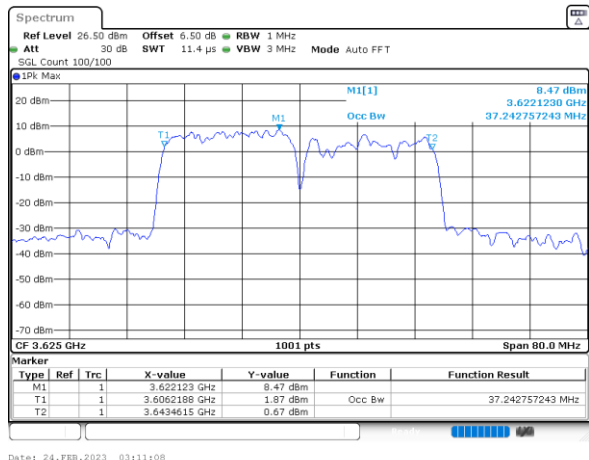


LTE Band 48C

Middle Channel / 20MHz+20MHz/QPSK



Middle Channel / 20MHz+20MHz/16QAM



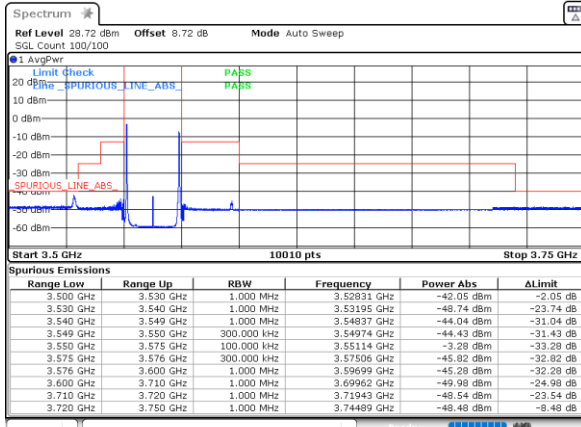


Conducted Band Edge

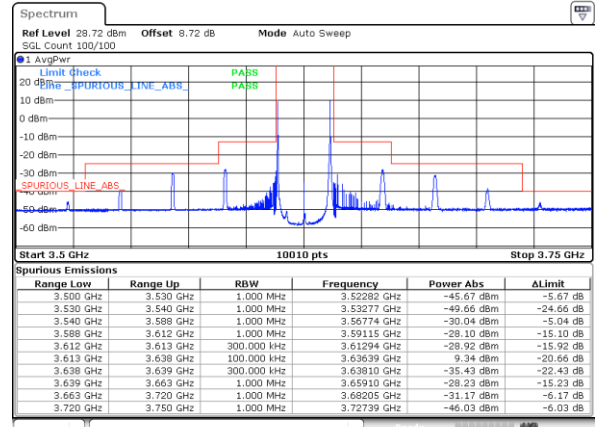
LTE Band 48C / 5MHz+20MHz

QPSK

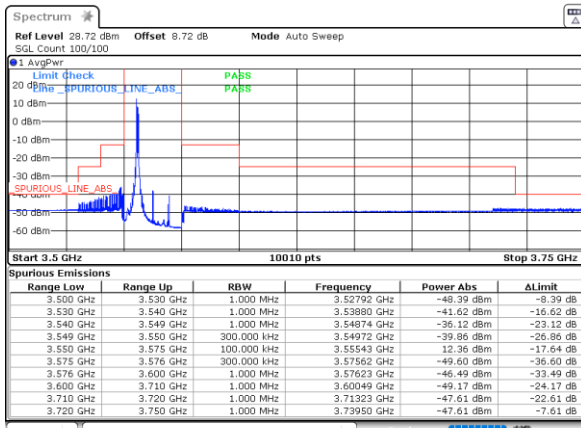
Lowest Band Edge / 1RB0 and 1RB99



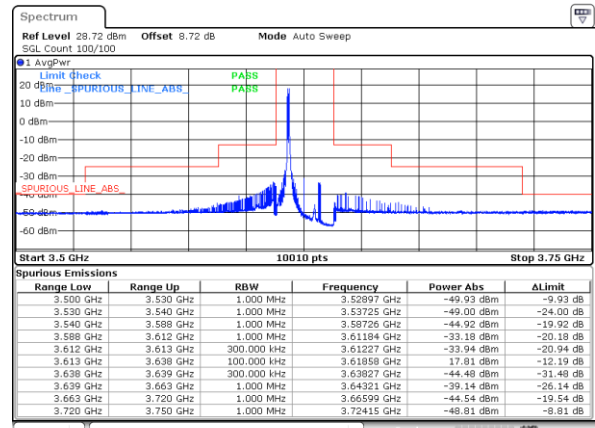
Middle Band Edge / 1RB0 and 1RB99



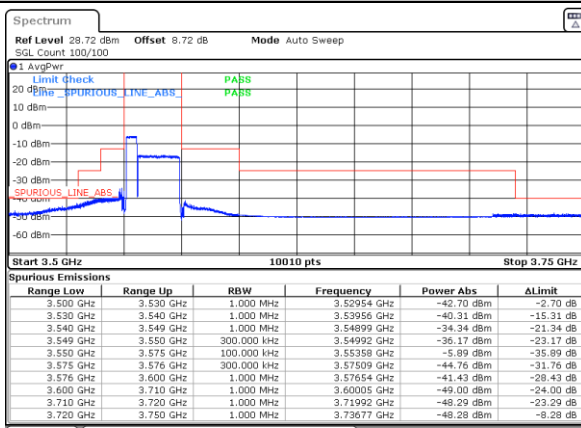
Lowest Band Edge / 1RB24 and 1RB0



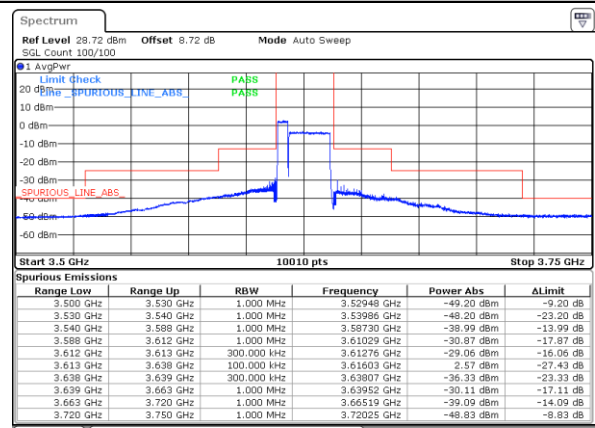
Middle Band Edge / 1RB24 and 1RB0



Lowest Band Edge / Full RB



Middle Band Edge / Full RB



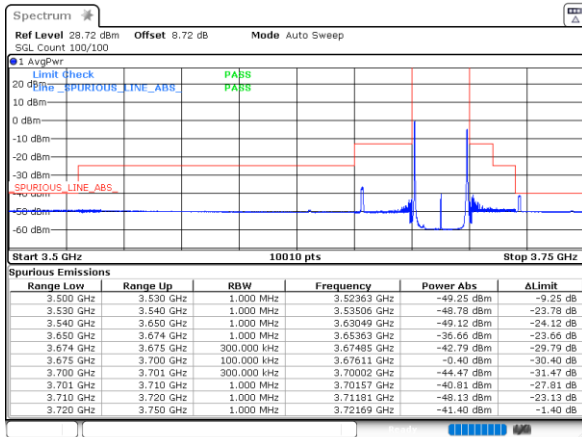


LTE Band 48C / 5MHz+20MHz

QPSK

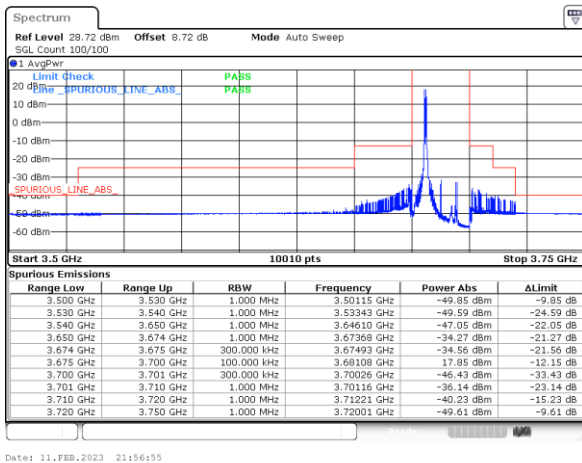
Highest Band Edge / 1RB0 and 1RB99

N/A



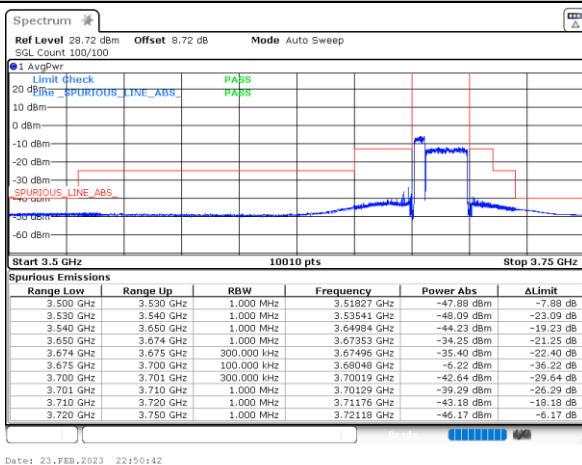
Highest Band Edge / 1RB24 and 1RB0

N/A



Highest Band Edge / Full RB

N/A

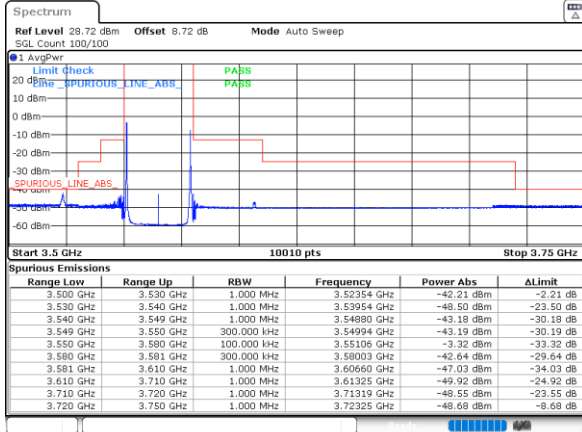




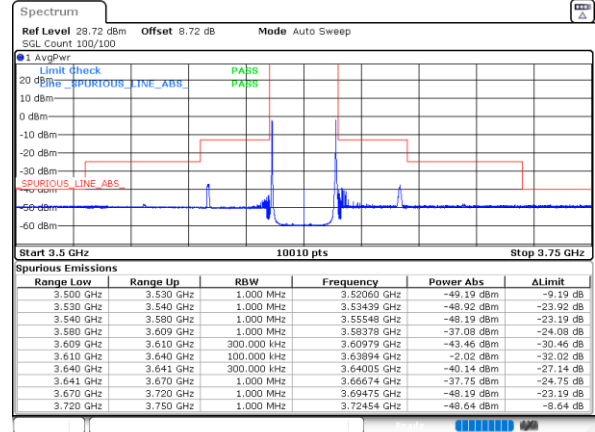
LTE Band 48C / 10MHz+20MHz

QPSK

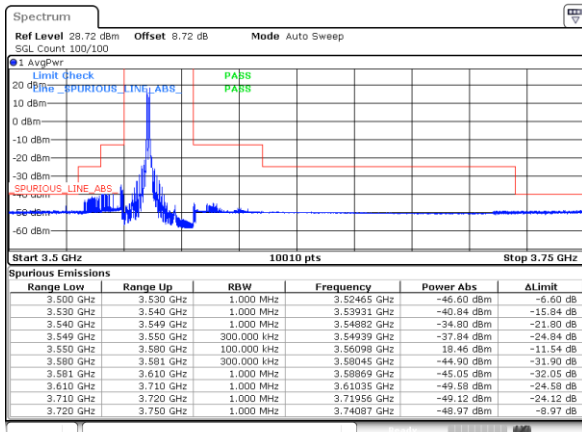
Lowest Band Edge / 1RB0 and 1RB99



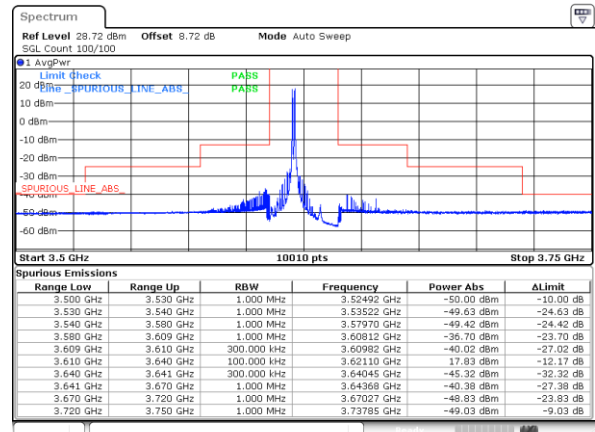
Middle Band Edge / 1RB0 and 1RB99



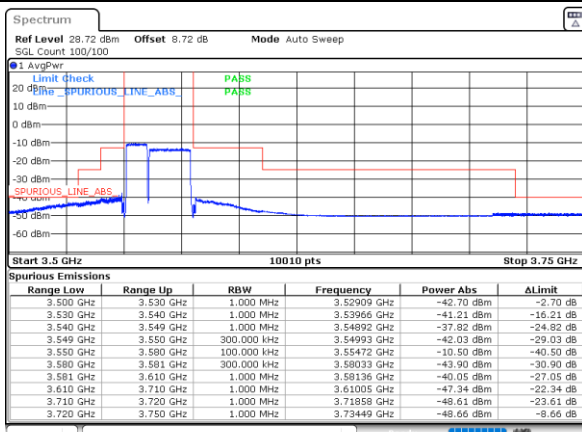
Lowest Band Edge / 1RB49 and 1RB0



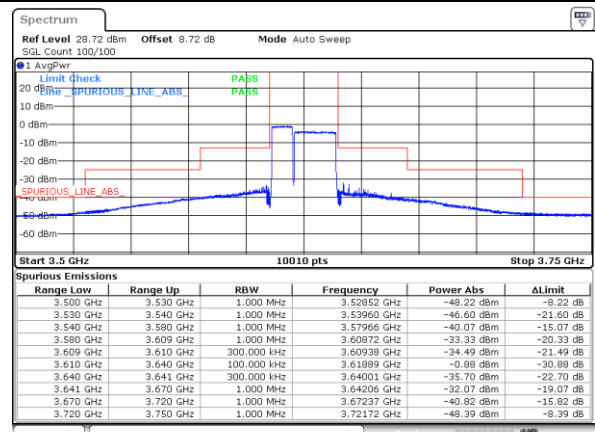
Middle Band Edge / 1RB49 and 1RB0



Lowest Band Edge / Full RB



Middle Band Edge / Full RB



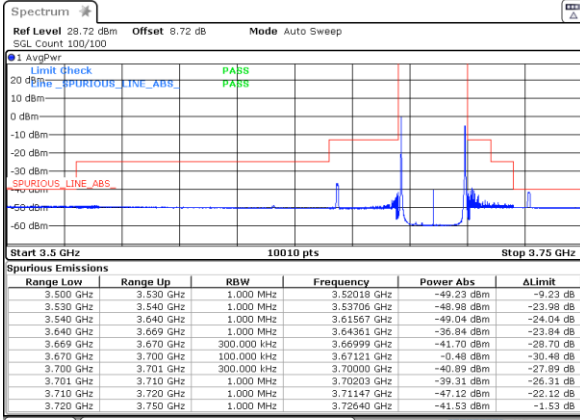


LTE Band 48C / 10MHz+20MHz

QPSK

Highest Band Edge / 1RB0 and 1RB99

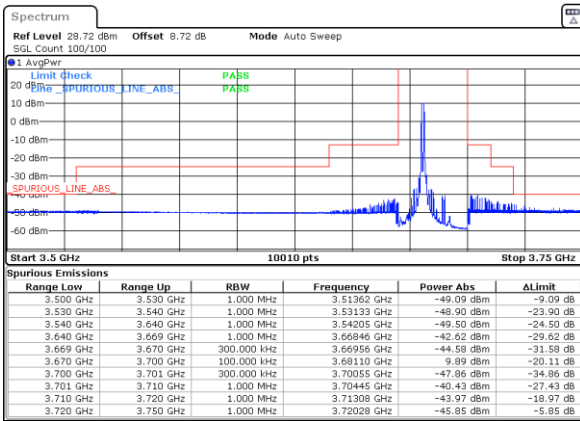
N/A



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Highest Band Edge / 1RB49 and 1RB0

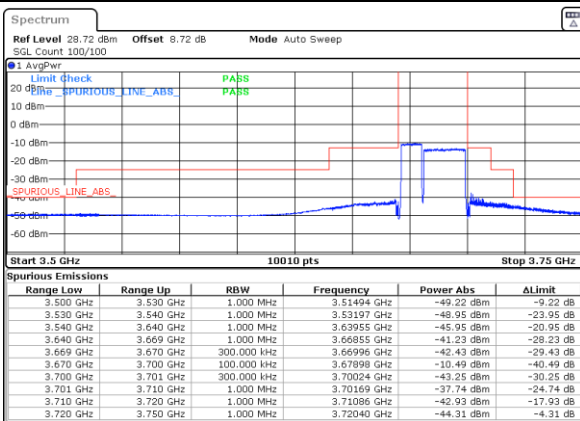
N/A



Date: 17.FEB.2023 02:07:45

Highest Band Edge / Full RB

N/A



Date: 17.FEB.2023 02:18:30