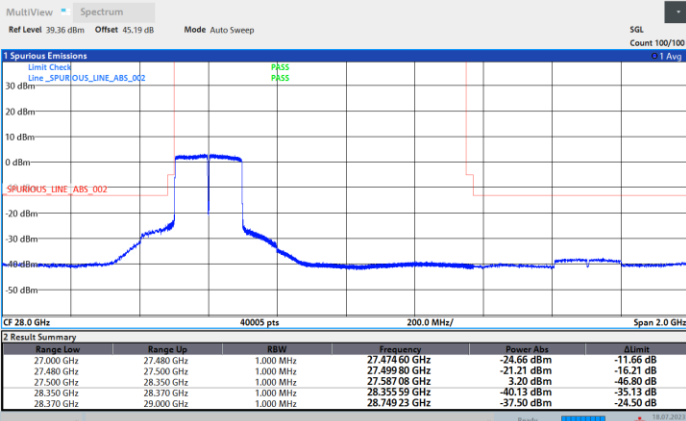




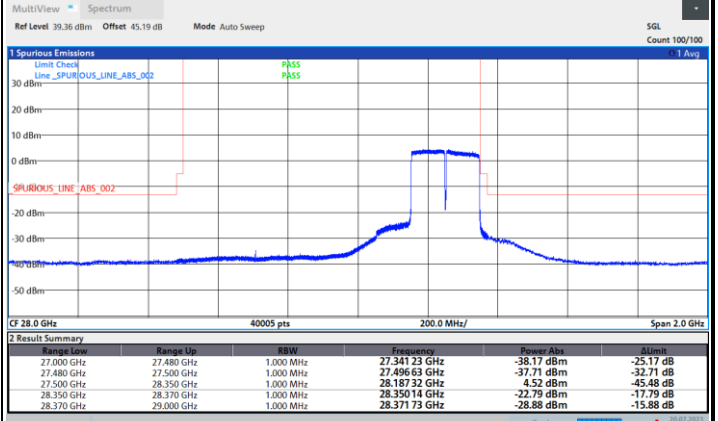
CP-OFDM Module A

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB

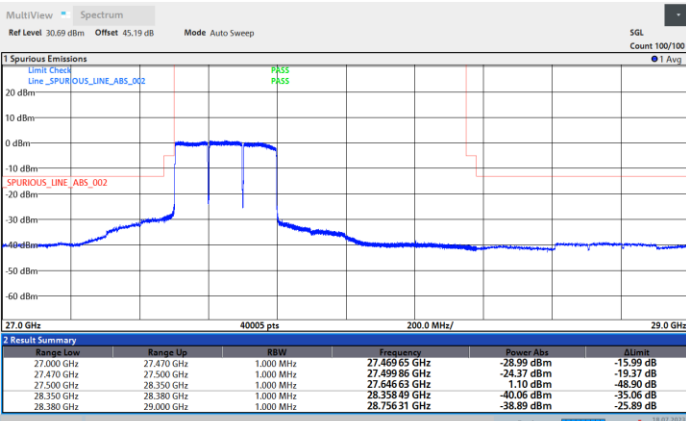


Highest Band Edge / Full RB

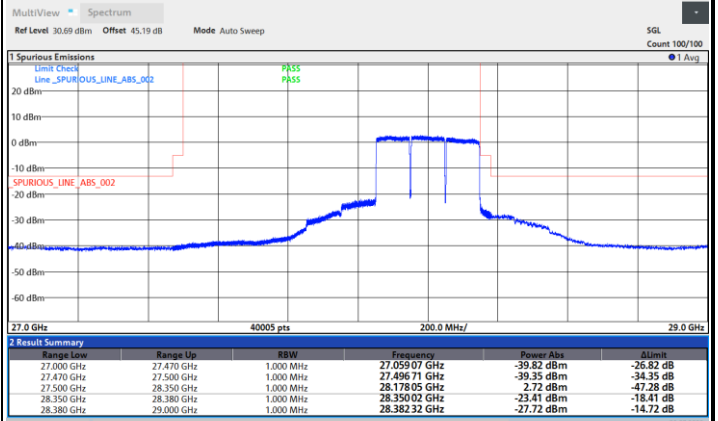


NR Band n261 / 300MHz / QPSK

Lowest Band Edge / Full RB

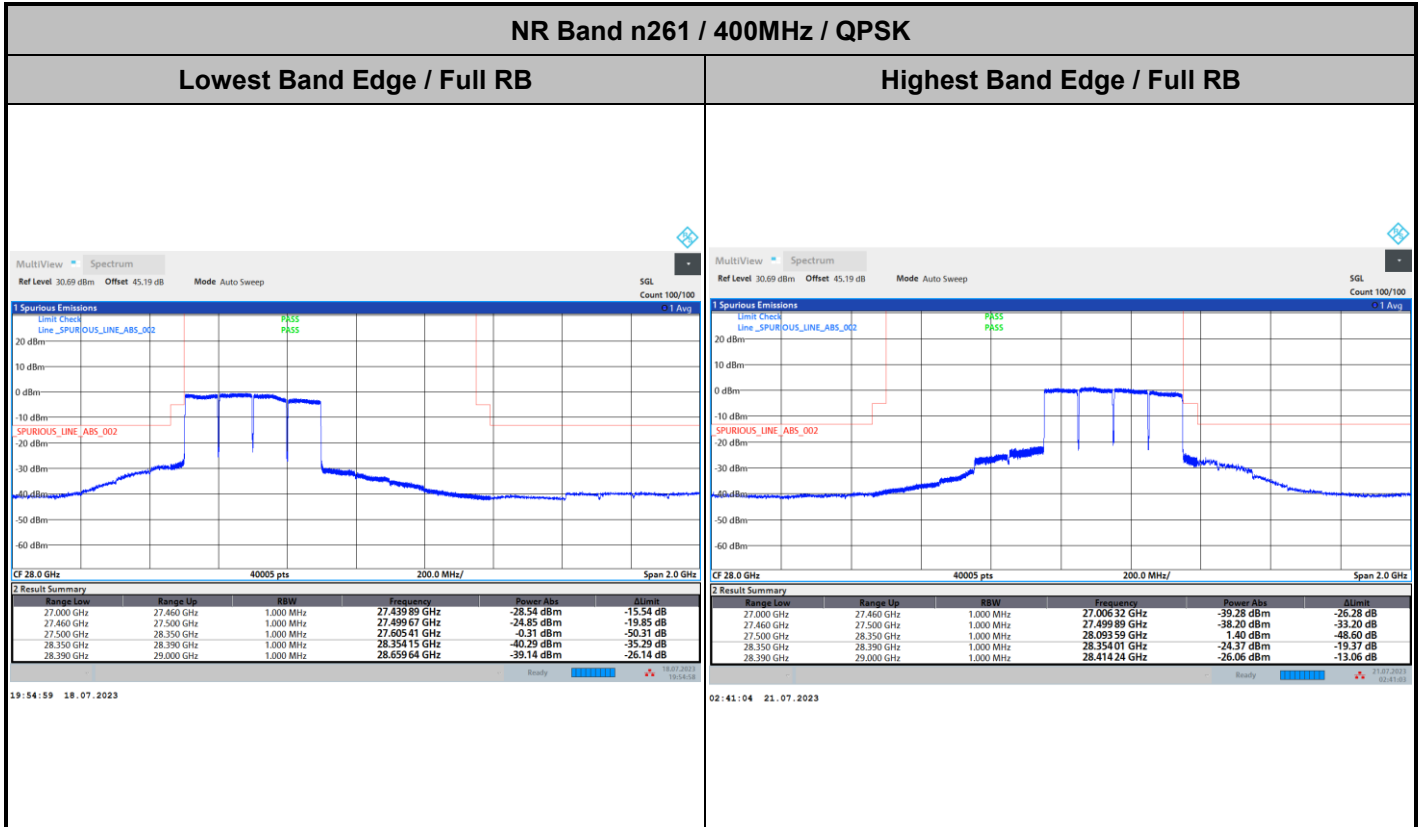


Highest Band Edge / Full RB





CP-OFDM Module A



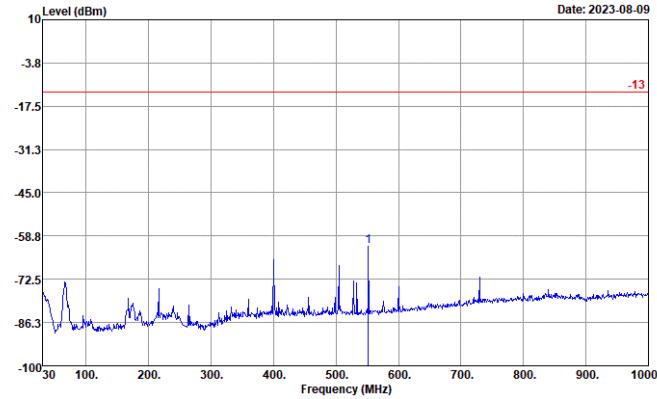


Spurious Emission

There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.

NR Band n261 (30MHz-1GHz)

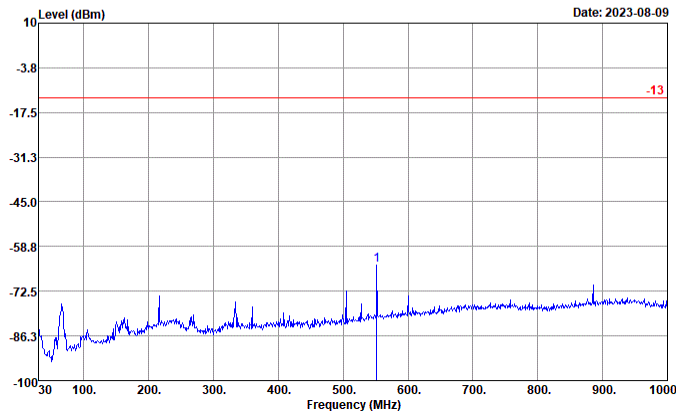
Horizontal



Site : 03CH10-HY
 Condition : -13 EIRP_WO HORIZONTAL
 Project : 380306
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	551.86	-62.05	-49.05 -13.00

Vertical



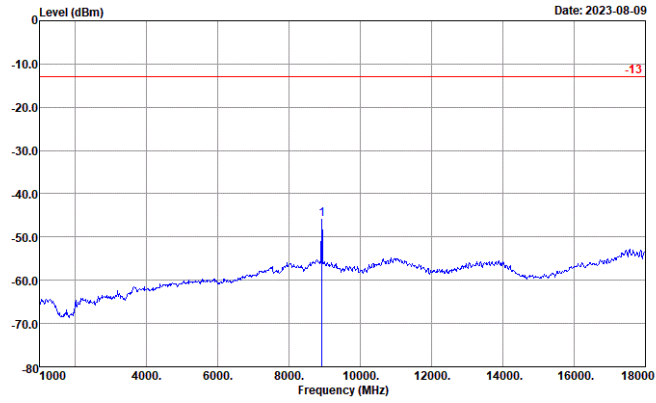
Site : 03CH10-HY
 Condition : -13 EIRP_WO VERTICAL
 Project : 380306
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	551.86	-64.59	-51.59 -13.00



NR Band n261 (1GHz-18GHz)

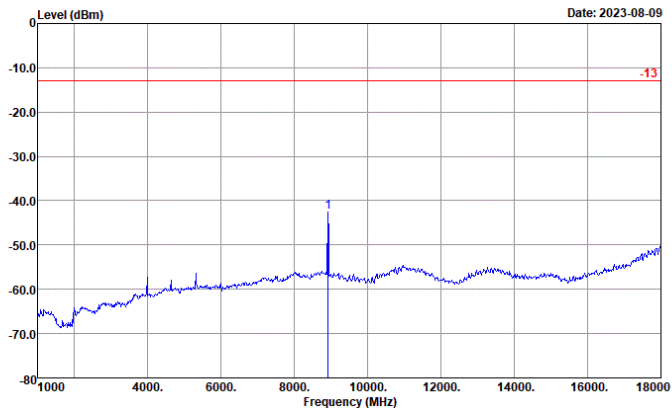
Horizontal



Site : 03CH10-HY
 Condition : -13 EIRP_WO HORIZONTAL
 Project : 380306
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	Limit	Line
		dB	dBm
1 8922.00	-45.91	-32.91	-13.00

Vertical



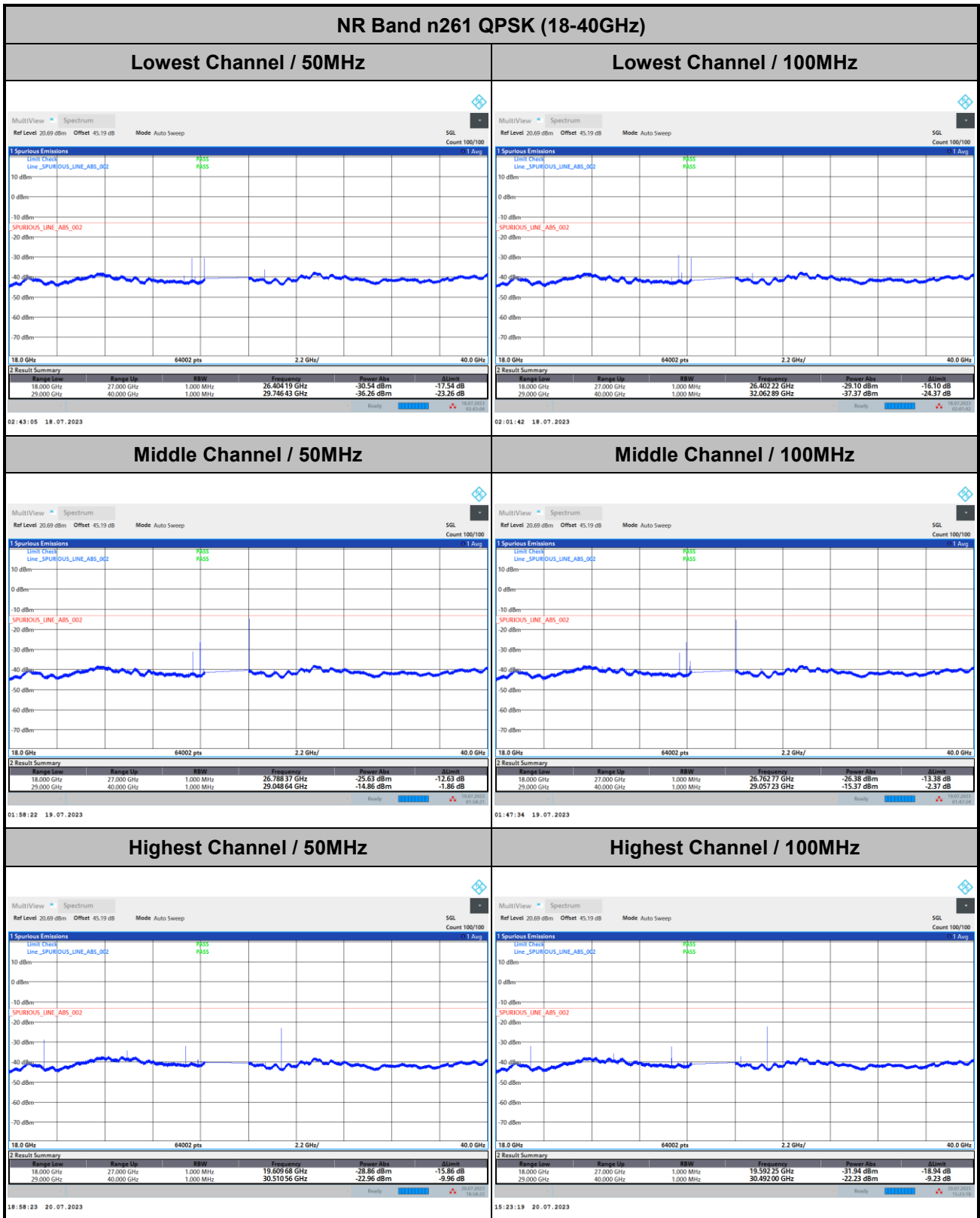
Site : 03CH10-HY
 Condition : -13 EIRP_WO VERTICAL
 Project : 380306
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	Limit	Line
		dB	dBm
1 8922.00	-42.67	-29.67	-13.00



Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

DFT-s-OFDM Module A



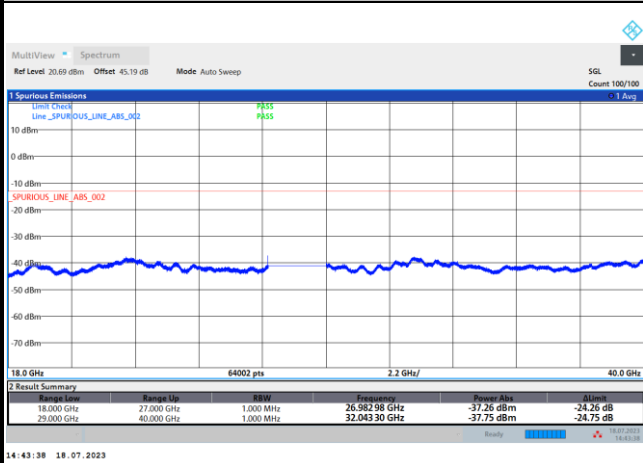
Remark: In band and out of band frequencies are omitted.



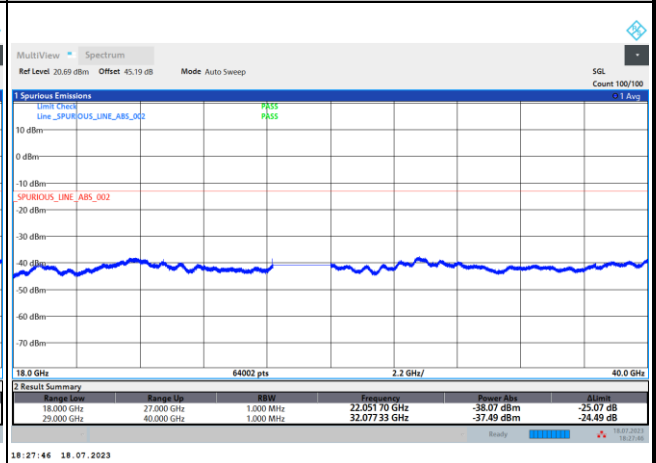
DFT-s-OFDM Module A

NR Band n261 QPSK (18-40GHz)

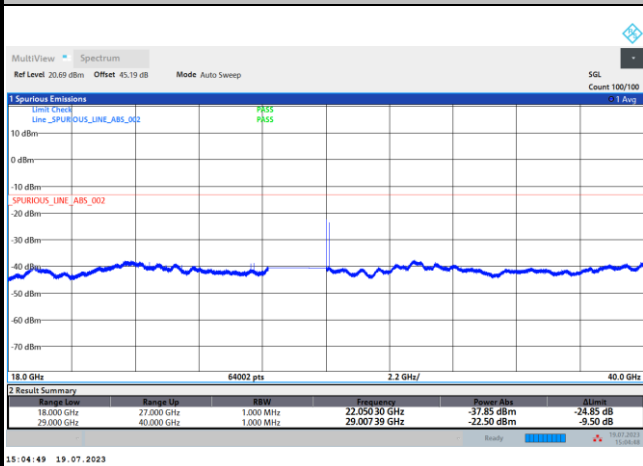
Lowest Channel / 200MHz



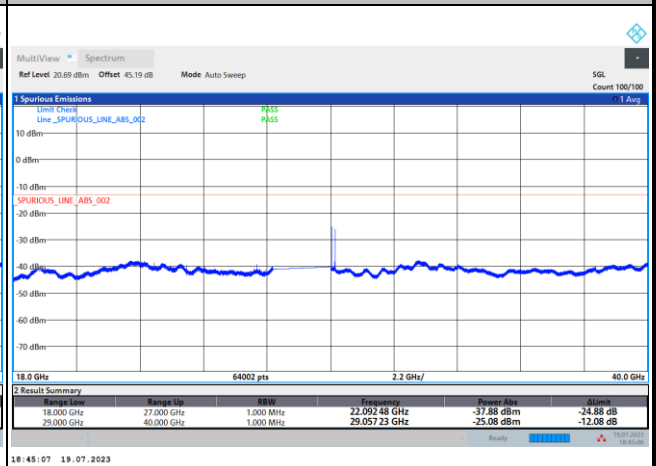
Lowest Channel / 300MHz



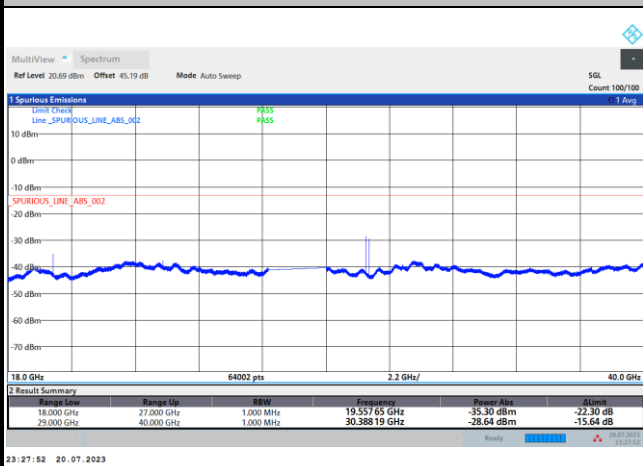
Middle Channel / 200MHz



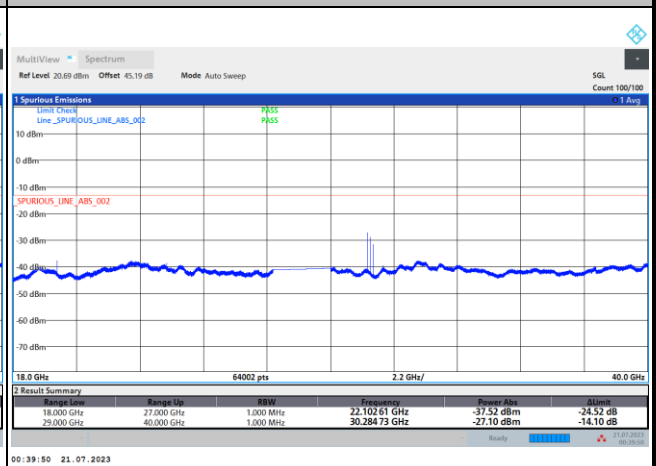
Middle Channel / 300MHz



Highest Channel / 200MHz



Highest Channel / 300MHz



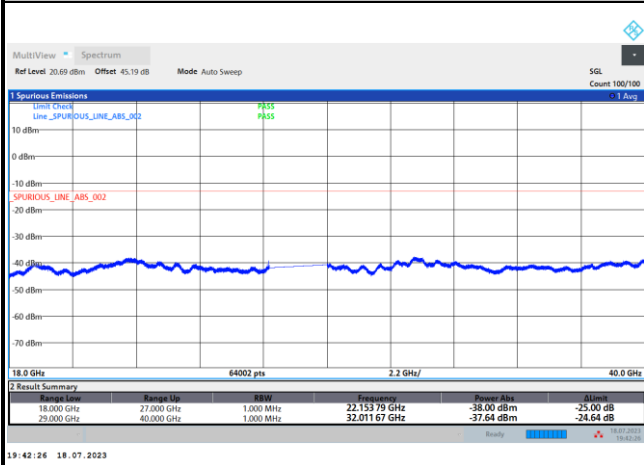
Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module A

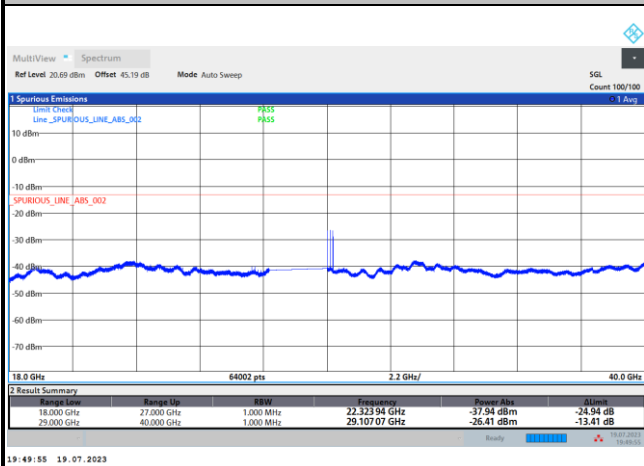
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 400MHz



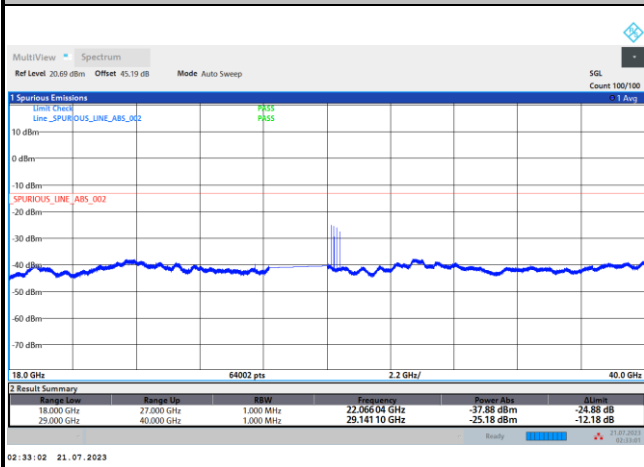
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz

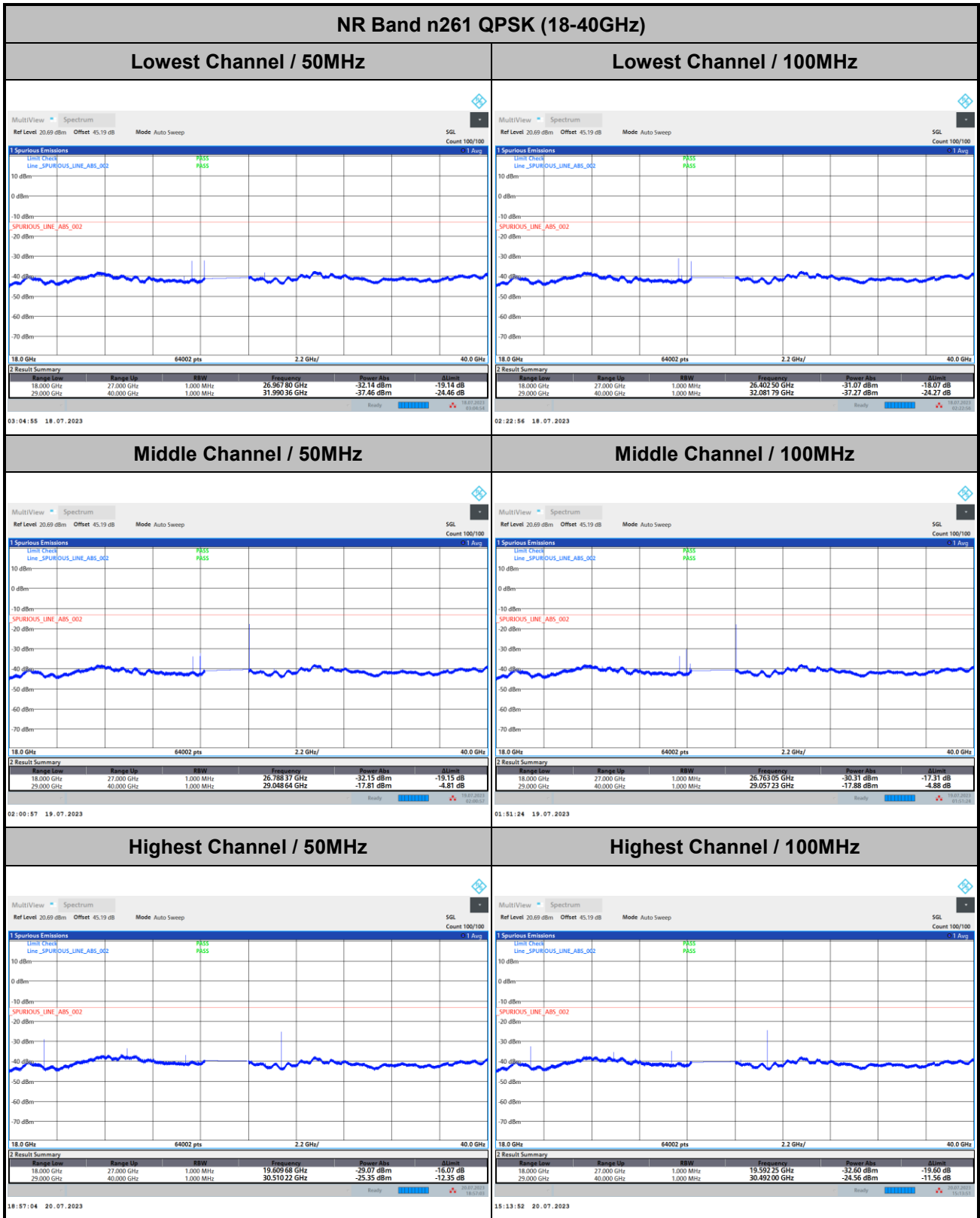


intentionally blank

Remark: In band and out of band frequencies are omitted.



CP-OFDM Module A



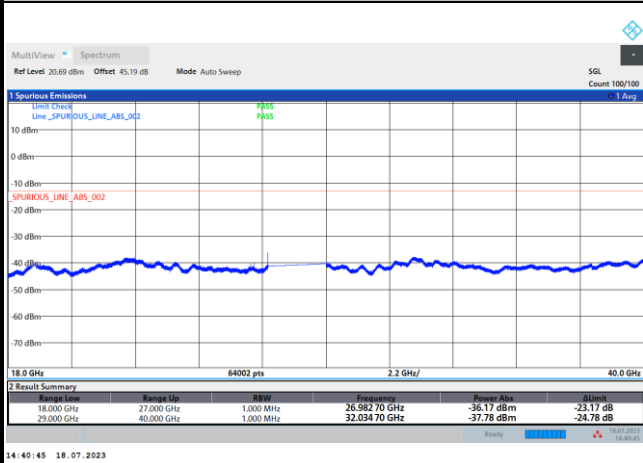
Remark: In band and out of band frequencies are omitted.



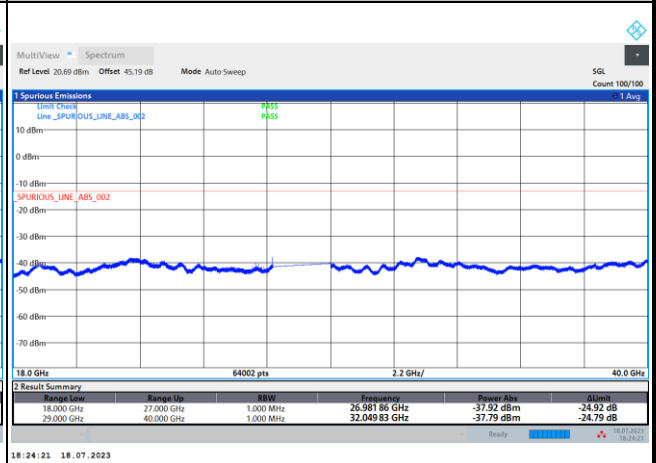
CP-OFDM Module A

NR Band n261 QPSK (18-40GHz)

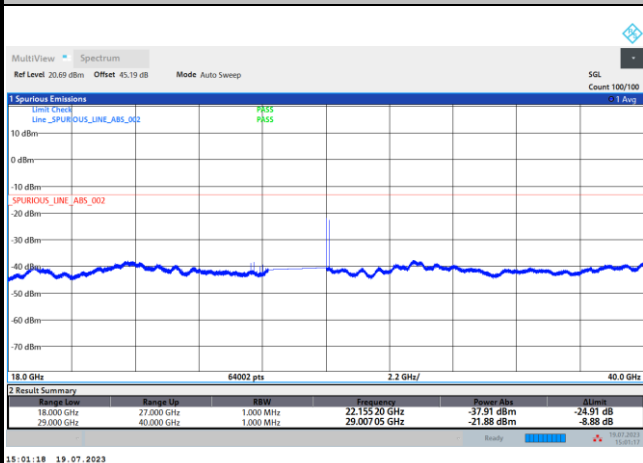
Lowest Channel / 200MHz



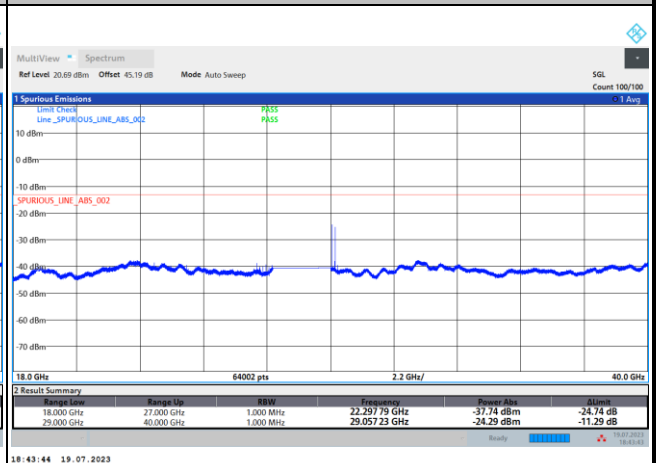
Lowest Channel / 300MHz



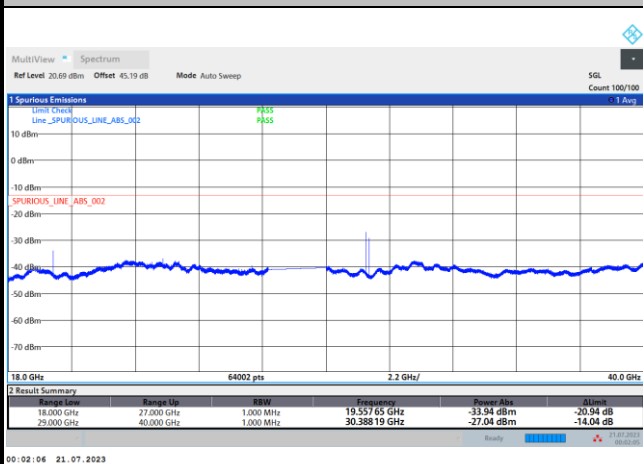
Middle Channel / 200MHz



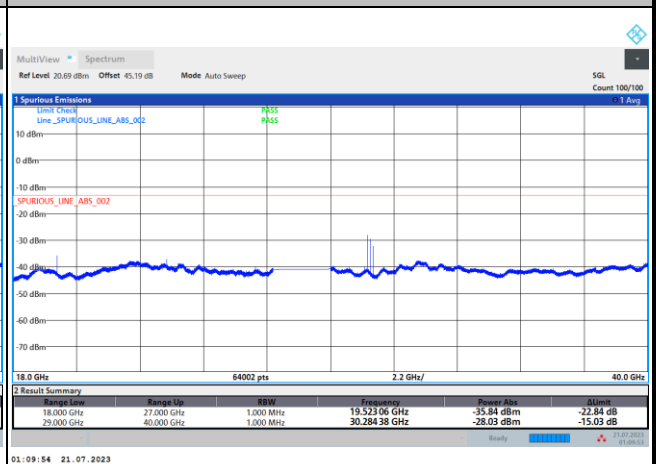
Middle Channel / 300MHz



Highest Channel / 200MHz



Highest Channel / 300MHz



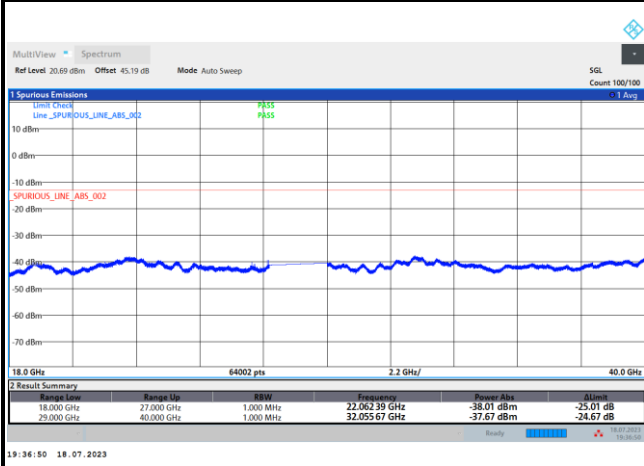
Remark: In band and out of band frequencies are omitted.



CP-OFDM Module A

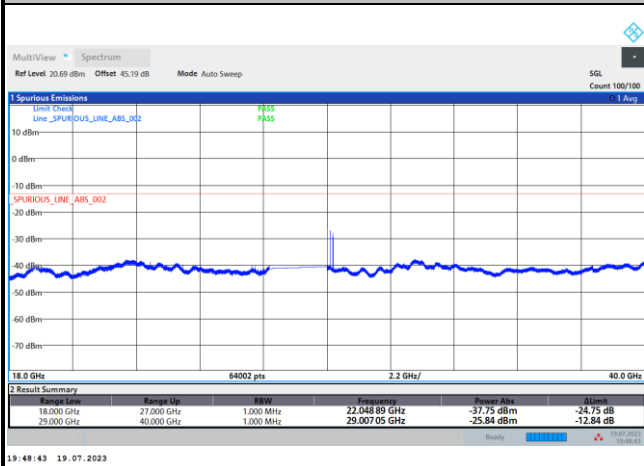
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 400MHz



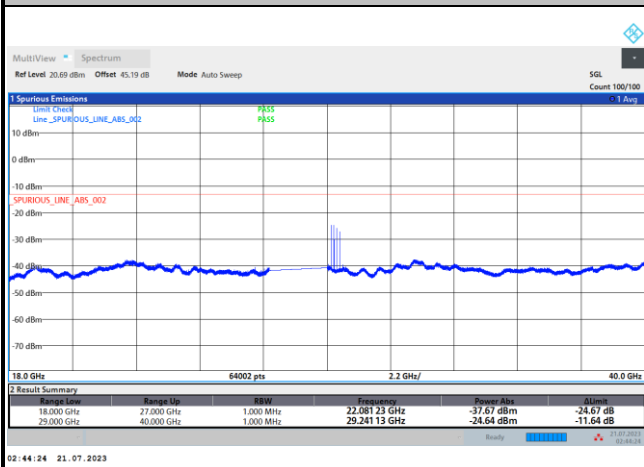
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz

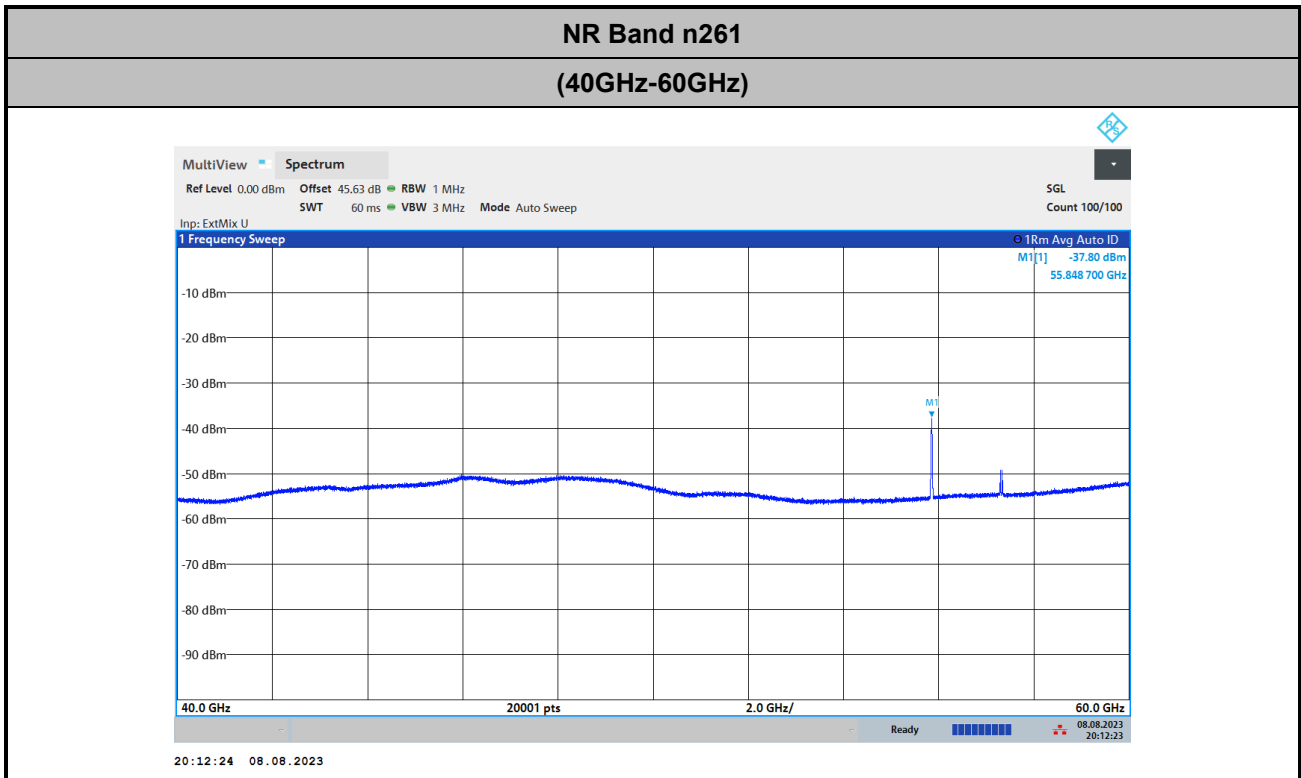


intentionally blank

Remark: In band and out of band frequencies are omitted.



There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz. Only the noise floor is reported.



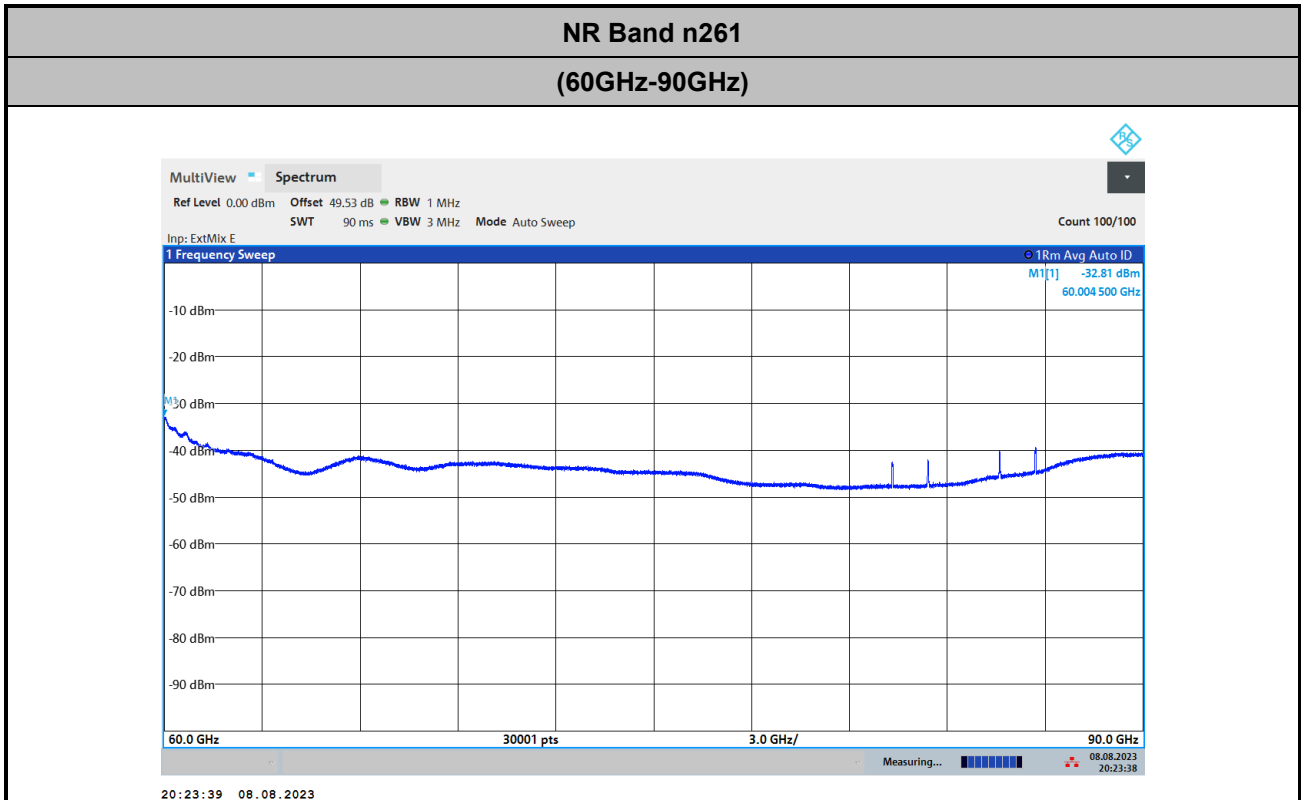
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + \text{Duty Factor}$$

$$= 43 + 0.43 + 107 + 20\log(1) - 104.8 = 45.63(\text{dB})$$

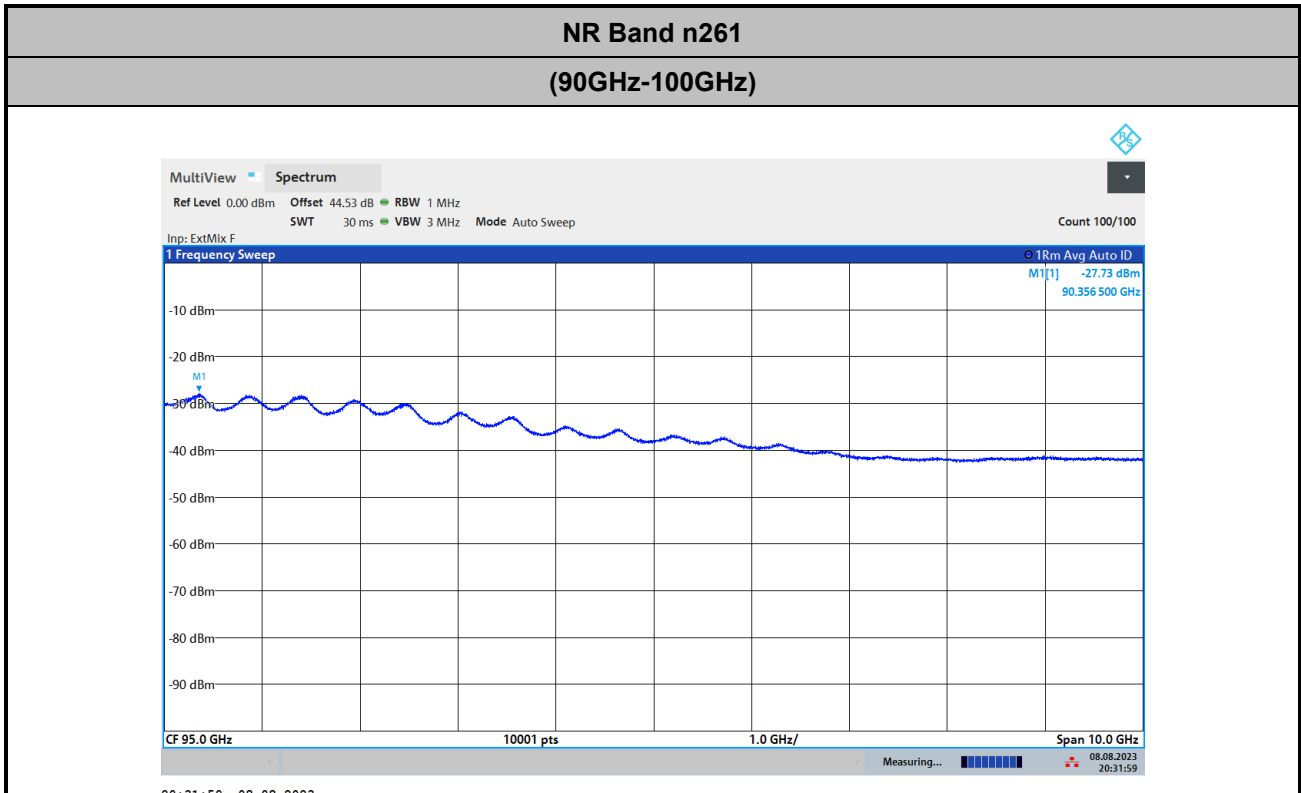


NR Band n261

(60GHz-90GHz)



$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + \text{Duty Factor}$$
$$= 46.9 + 0.43 + 107 + 20\log(1) - 104.8 = 49.53 \text{ (dB)}$$



$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + \text{Duty Factor}$$
$$= 47.92 + 0.43 + 107 + 20\log(0.5) - 104.8 = 44.53 \text{ (dB)}$$



Frequency Stability

Test Conditions		NR Band n261 / Middle Channel			Limit
Temperature (°C)	Voltage (Volt)	CW tone			Note 2.
		Frequency (GHz)	Deviation (kHz)	Deviation (ppm)	Result
50	Normal Voltage	27.924946	104.000	3.724	Pass
40	Normal Voltage	27.924964	86.000	3.080	
30	Normal Voltage	27.924979	71.000	2.543	
20(Ref.)	Normal Voltage	27.92505	0.000	0.000	
10	Normal Voltage	27.925042	8.000	0.286	
0	Normal Voltage	27.92511	-60.000	2.149	
-10	Normal Voltage	27.925142	-92.000	3.295	
-20	Normal Voltage	27.925133	-83.000	2.972	
-30	Normal Voltage	27.925098	-48.000	1.719	
20	Maximum Voltage	27.925027	23.000	0.824	
20	Normal Voltage	27.925031	19.000	0.680	
20	Battery End Point	27.925025	25.000	0.895	

Note:

1. Normal Voltage = 3.87 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.48 V.
2. The frequency fundamental emissions stay within the operation band.



NR Band n260 Module B AGH+V

Occupied Bandwidth

Mode	DFT-s-OFDM Module B NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	46.02	46	45.87	91.5	91.32	91.34	191.13	191.12	190.63
Middle CH	46.07	46.16	45.93	91.45	91.26	91.25	191.10	191.08	190.34
Highest CH	46.13	46.2	45.96	91.76	91.44	91.43	190.66	190.78	190.84

Mode	DFT-s-OFDM Module B NR Band n260 : 99%OBW(MHz)					
BW	300MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	290.14	290.10	289.73	389.71	389.06	388.65
Middle CH	290.15	290.06	289.32	390.88	389.57	389.61
Highest CH	289.94	289.81	289.75	391.12	390.82	391.47

Mode	CP-OFDM Module B NR Band n260 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	46.2	94.13	193.73
Middle CH	46.27	94.31	193.29
Highest CH	46.34	94.38	193.69

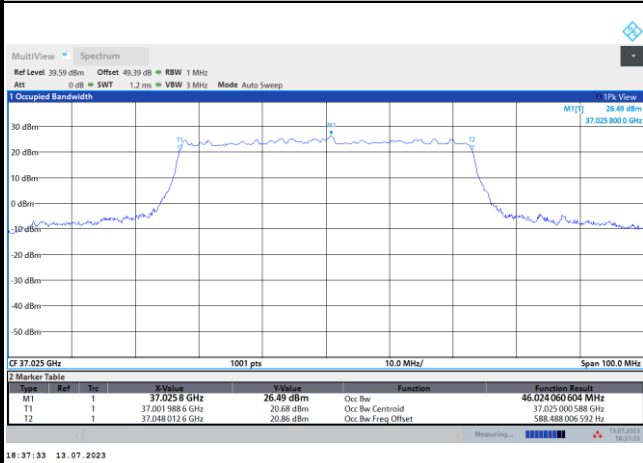
Mode	CP-OFDM Module B NR Band n260 : 99%OBW(MHz)	
BW	300MHz	400MHz
Mod.	QPSK	QPSK
Lowest CH	293.10	393.23
Middle CH	292.69	393.34
Highest CH	292.74	393.58



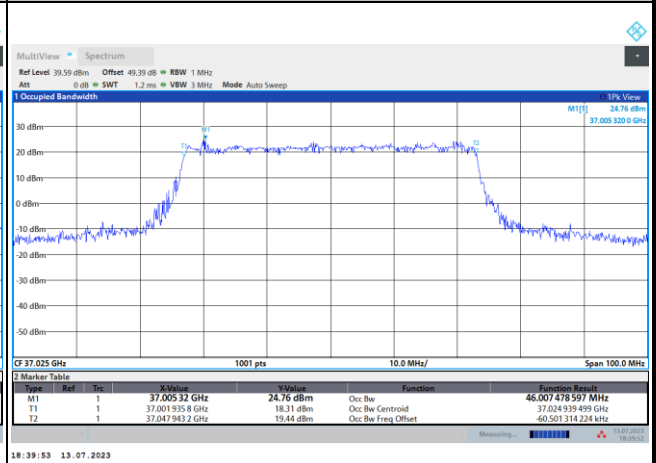
DFT-s-OFDM Module B

NR Band n260

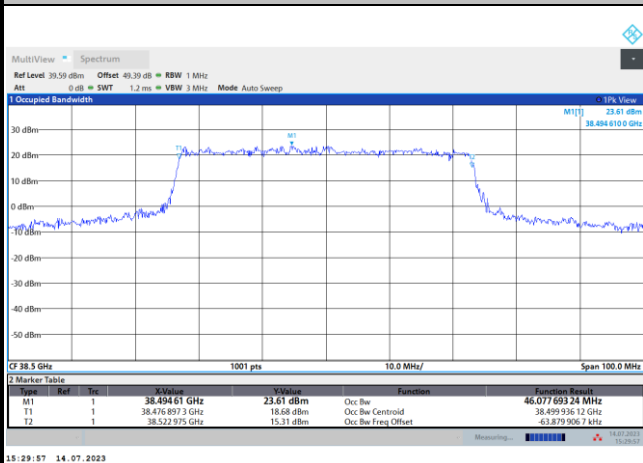
Lowest Channel / 50MHz / QPSK



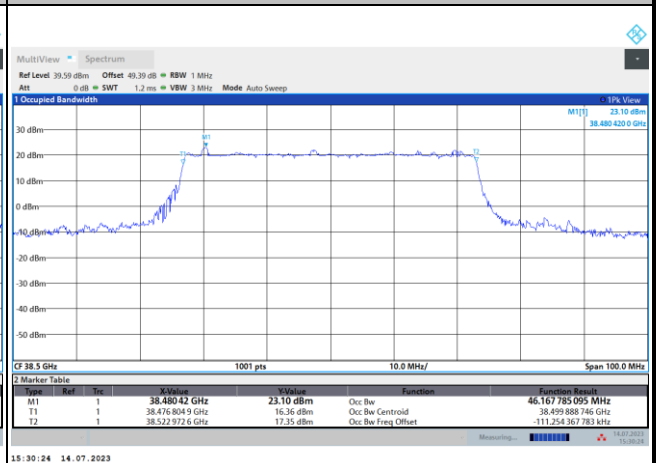
Lowest Channel / 50MHz / 16QAM



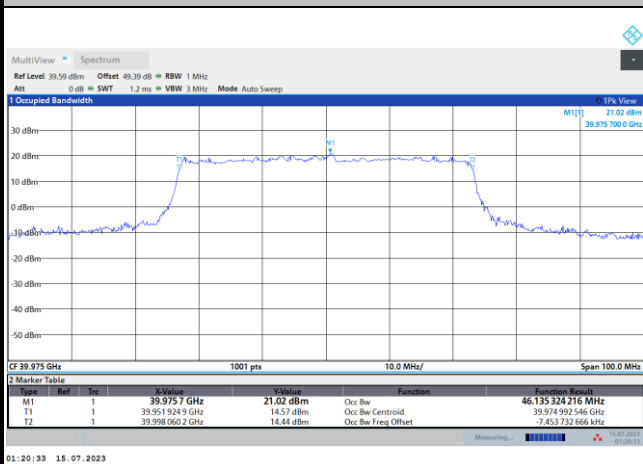
Middle Channel / 50MHz / QPSK



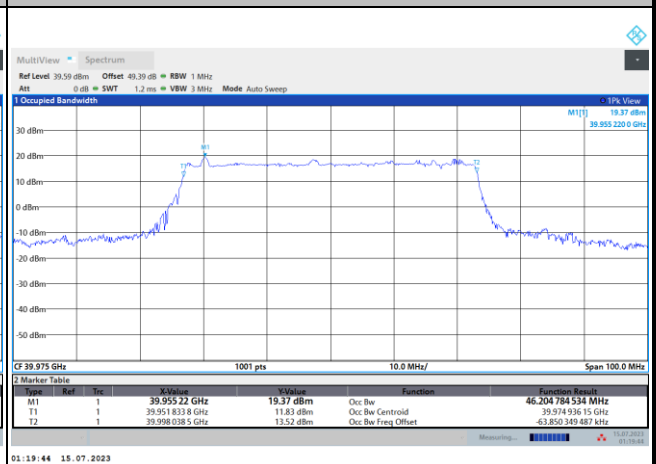
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

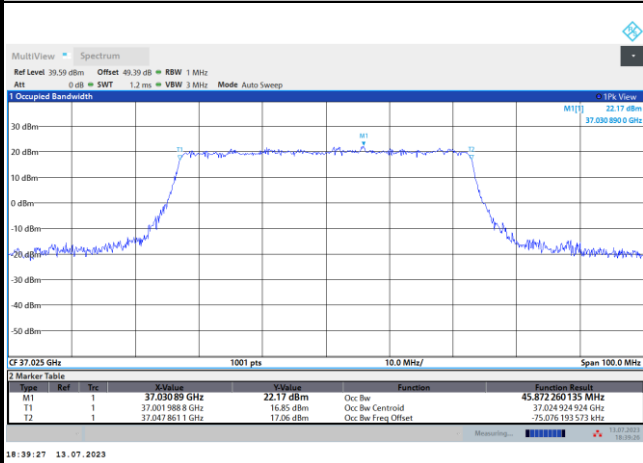




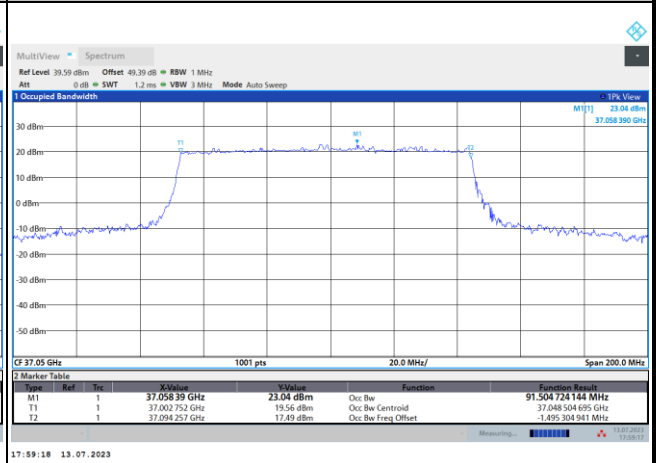
DFT-s-OFDM Module B

NR Band n260

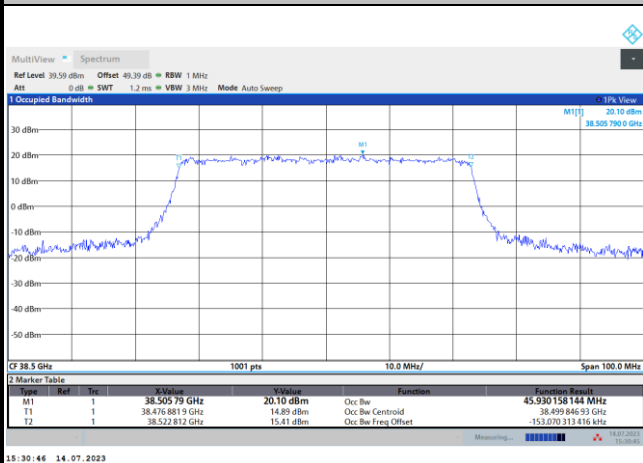
Lowest Channel / 50MHz / 64QAM



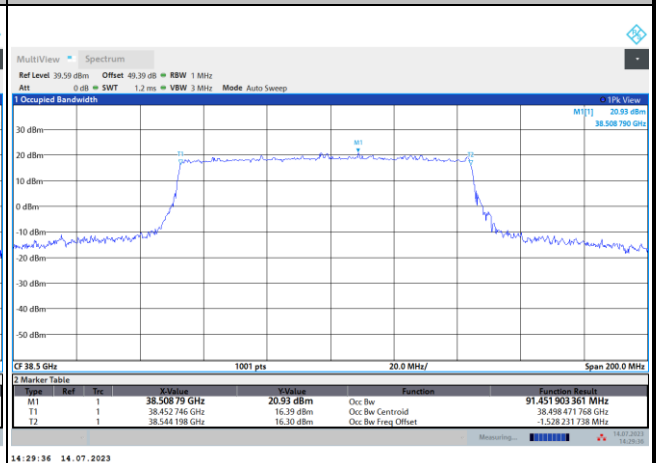
Lowest Channel / 100MHz / QPSK



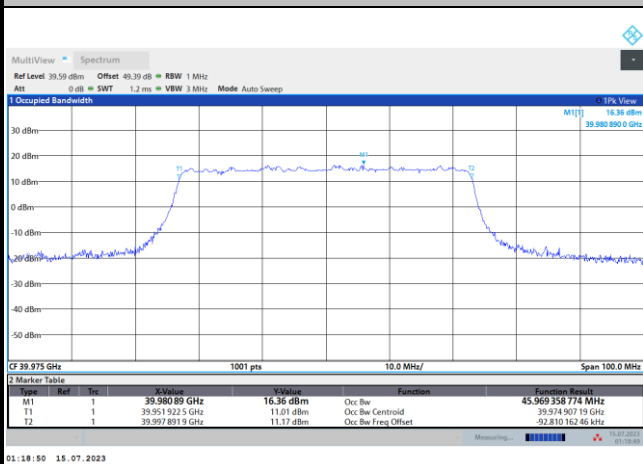
Middle Channel / 50MHz / 64QAM



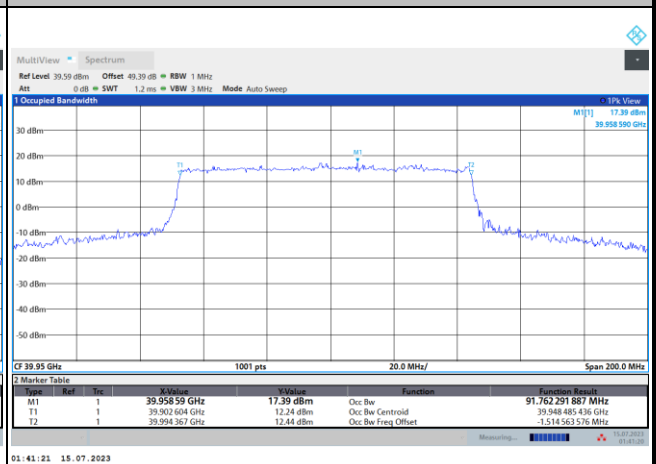
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

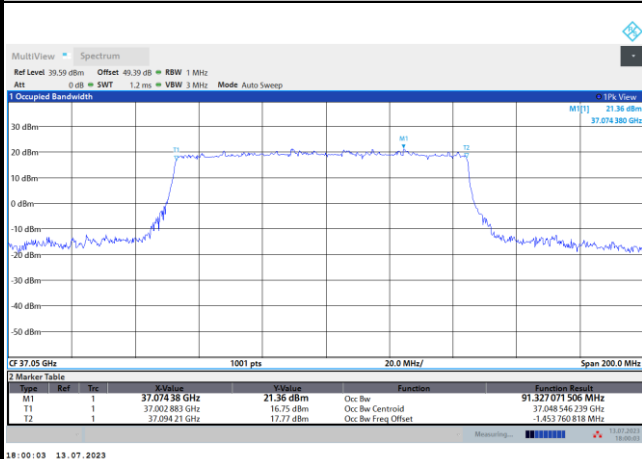




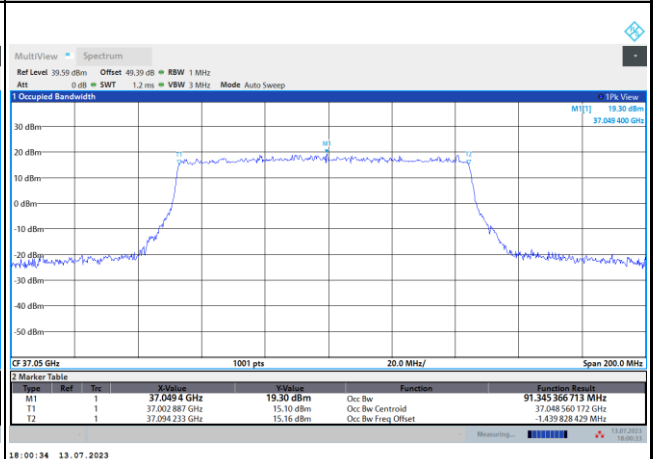
DFT-s-OFDM Module B

NR Band n260

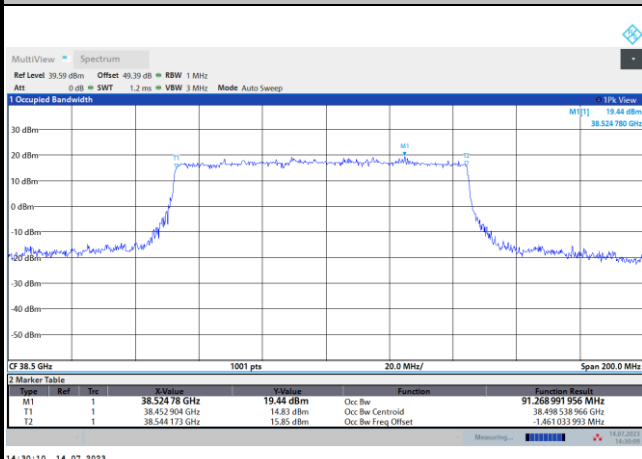
Lowest Channel / 100MHz / 16QAM



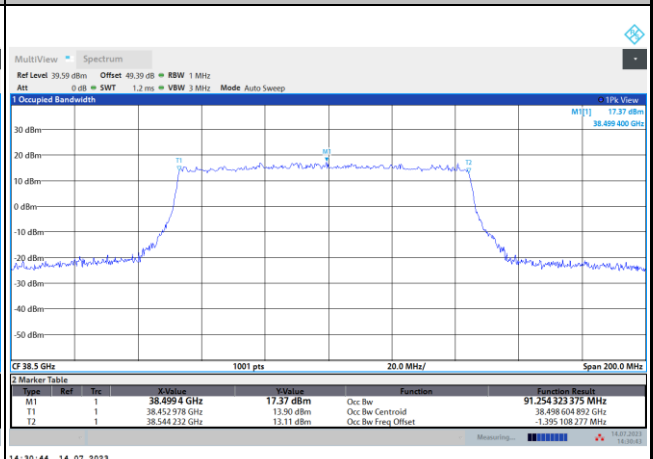
Lowest Channel / 100MHz / 64QAM



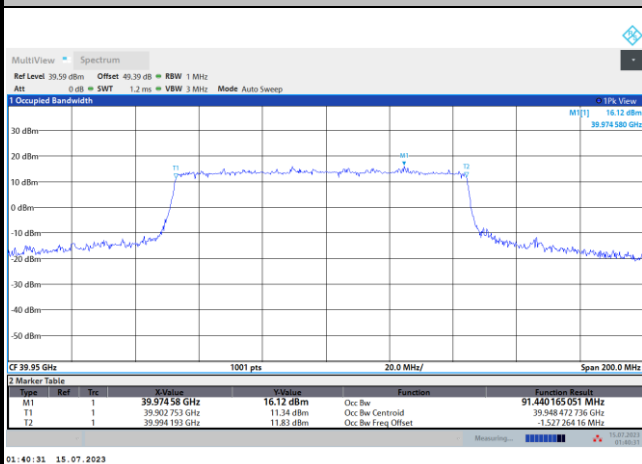
Middle Channel / 100MHz / 16QAM



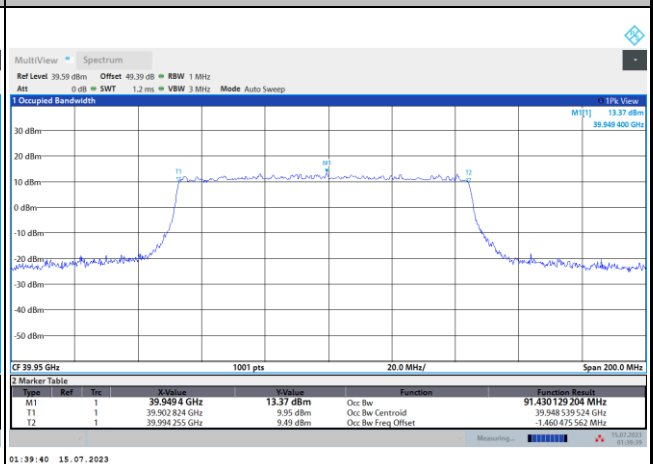
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

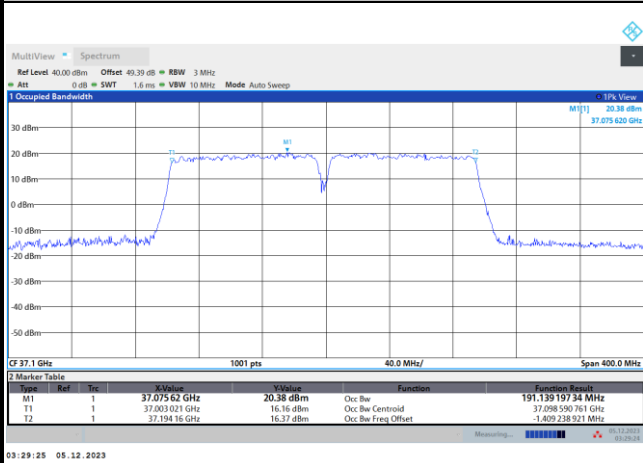




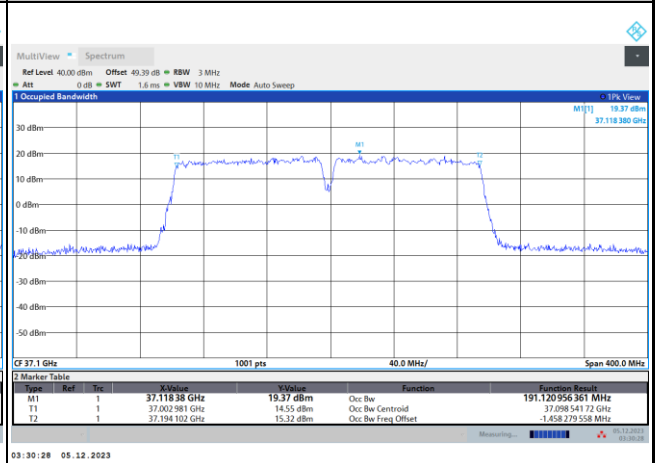
DFT-s-OFDM Module B

NR Band n260

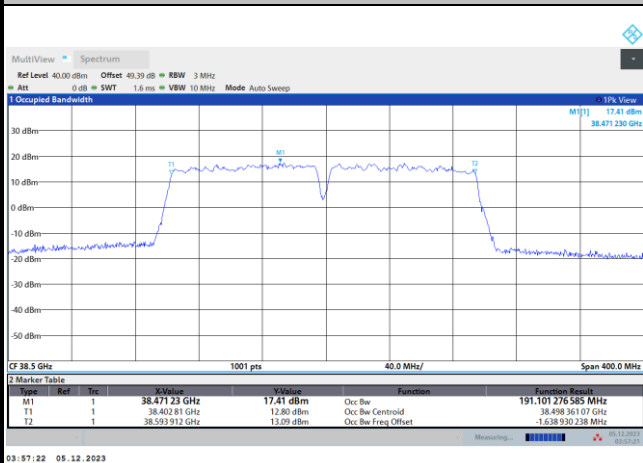
Lowest Channel / 200MHz / QPSK



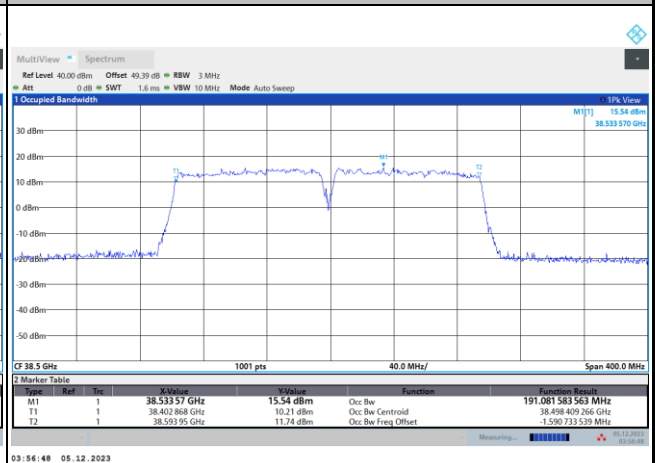
Lowest Channel / 200MHz / 16QAM



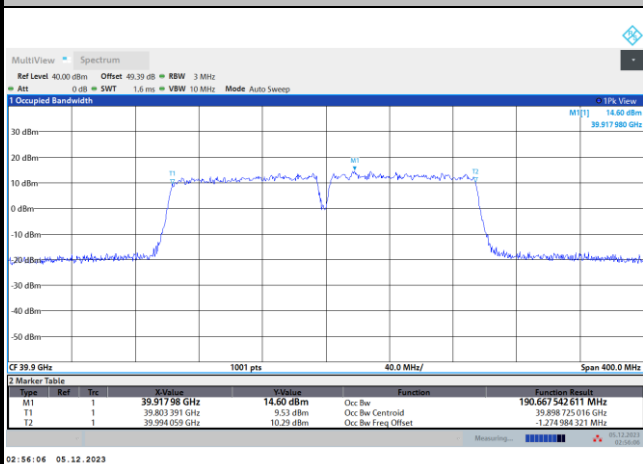
Middle Channel / 200MHz / QPSK



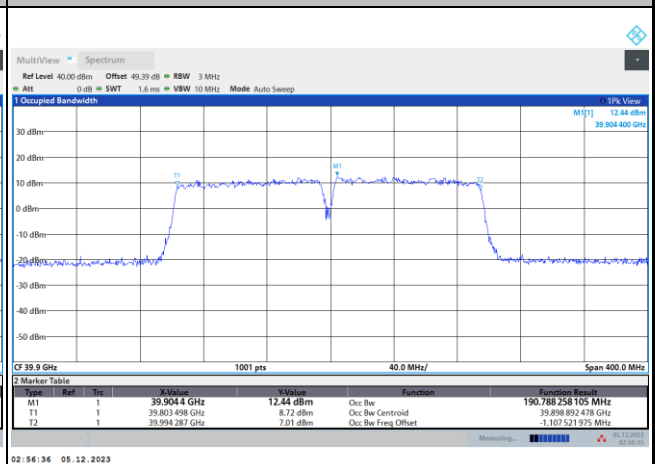
Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM

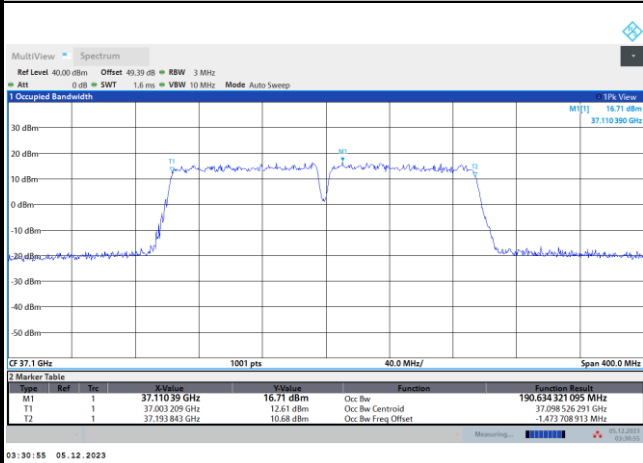




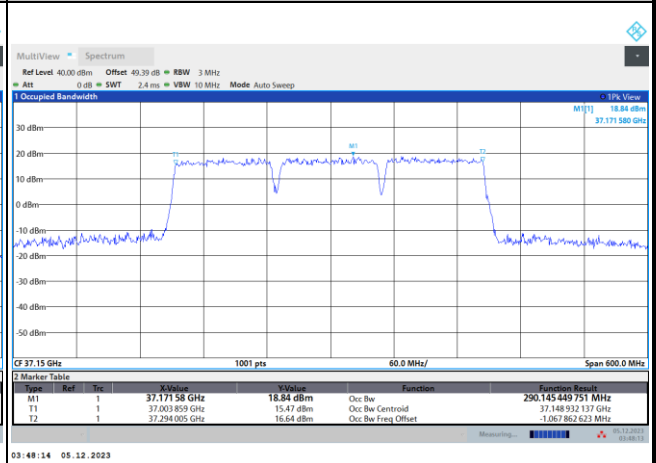
DFT-s-OFDM Module B

NR Band n260

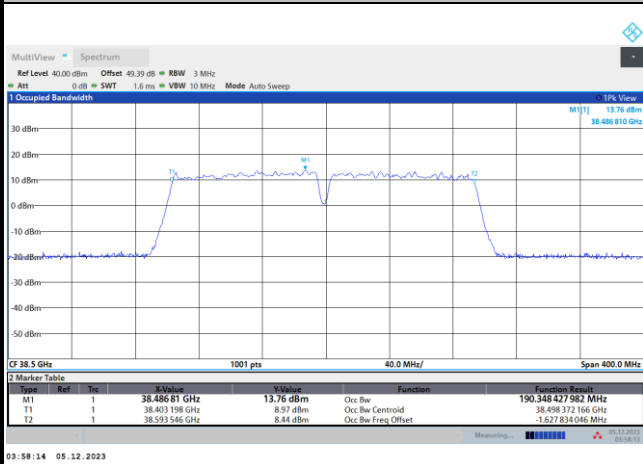
Lowest Channel / 200MHz / 64QAM



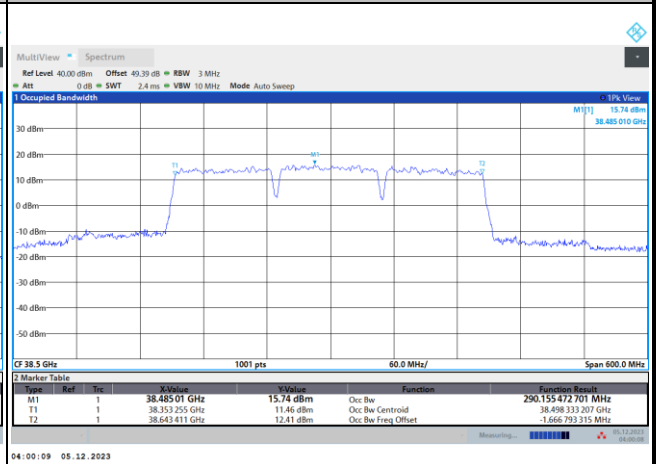
Lowest Channel / 300MHz / QPSK



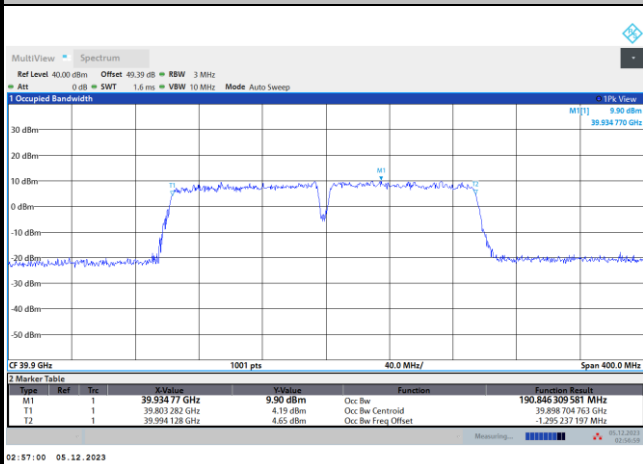
Middle Channel / 200MHz / 64QAM



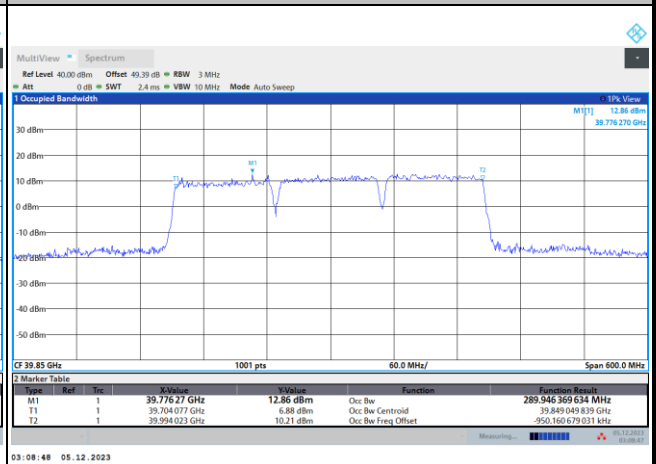
Middle Channel / 300MHz / QPSK



Highest Channel / 200MHz / 64QAM



Highest Channel / 300MHz / QPSK

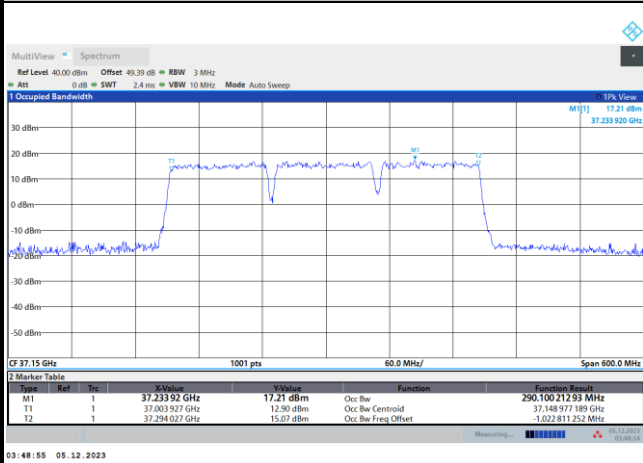




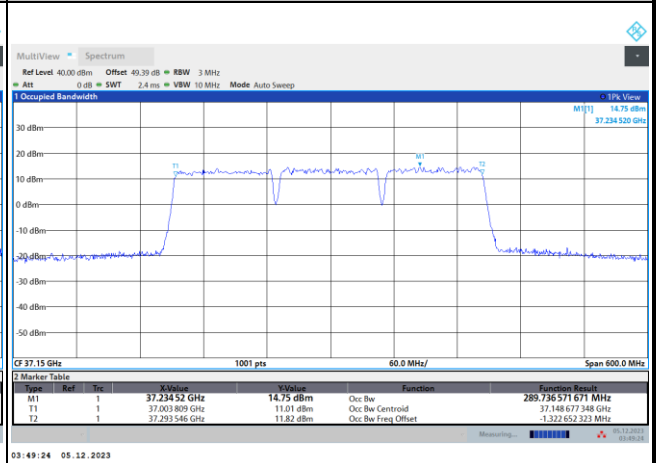
DFT-s-OFDM Module B

NR Band n260

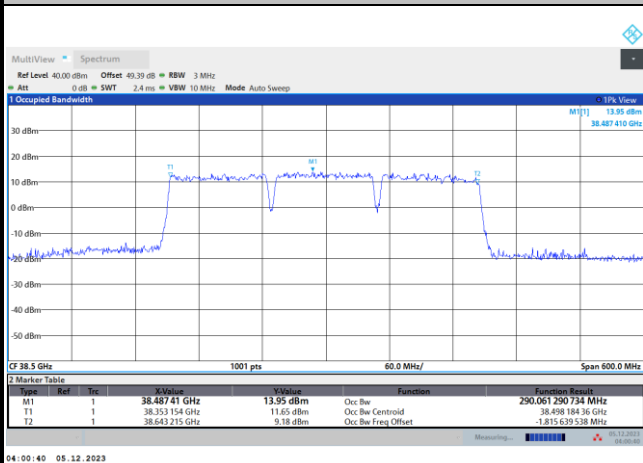
Lowest Channel / 300MHz / 16QAM



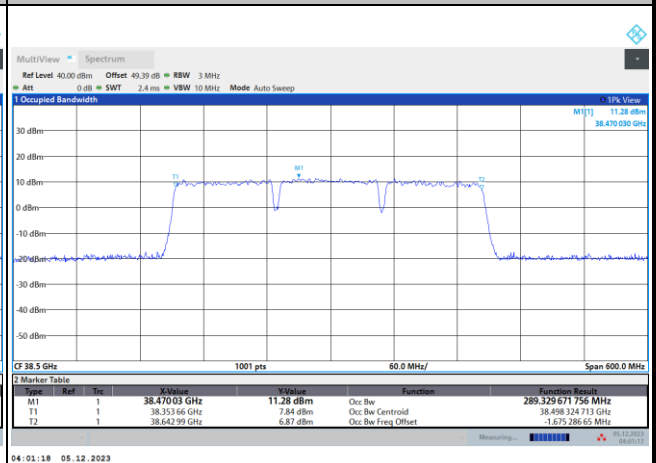
Lowest Channel / 300MHz / 64QAM



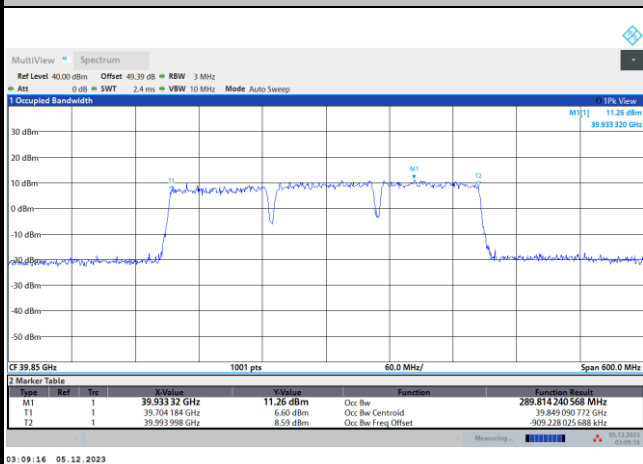
Middle Channel / 300MHz / 16QAM



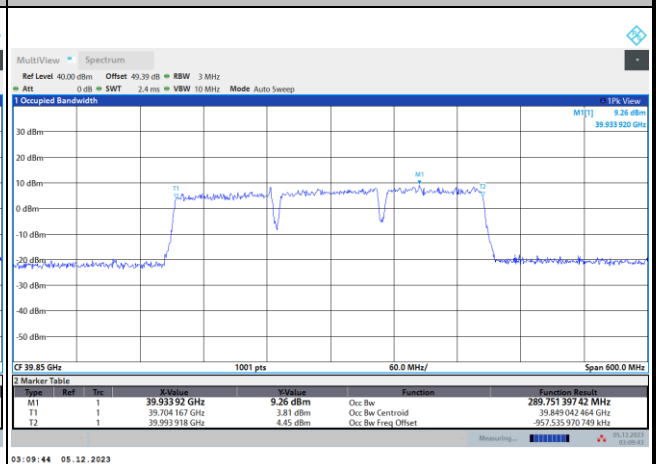
Middle Channel / 300MHz / 64QAM



Highest Channel / 300MHz / 16QAM



Highest Channel / 300MHz / 64QAM





DFT-s-OFDM Module B

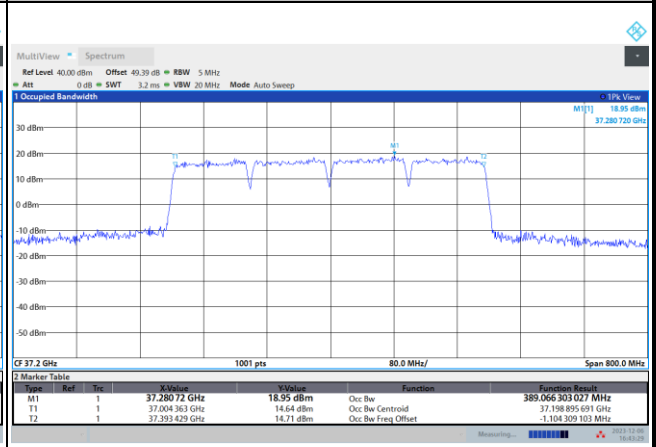
NR Band n260

Lowest Channel / 400MHz / QPSK



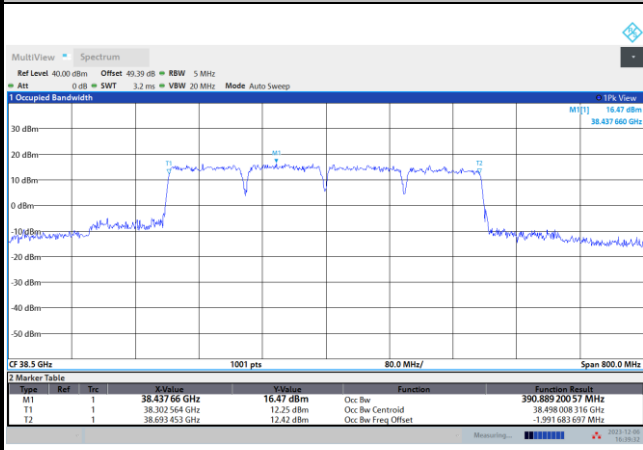
04:42:55 PM 12/04/2023

Lowest Channel / 400MHz / 16QAM



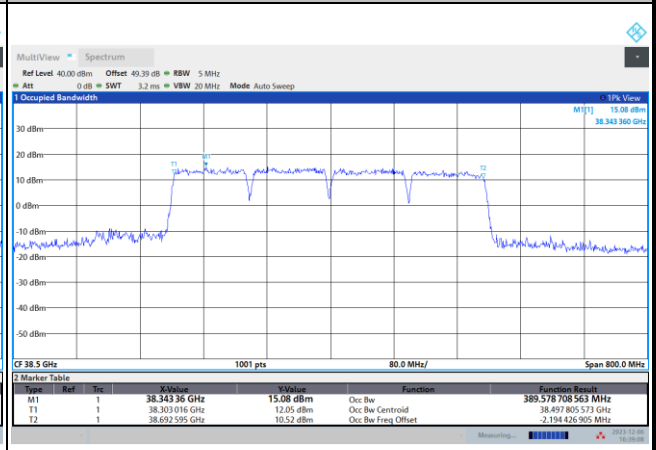
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Middle Channel / 400MHz / QPSK



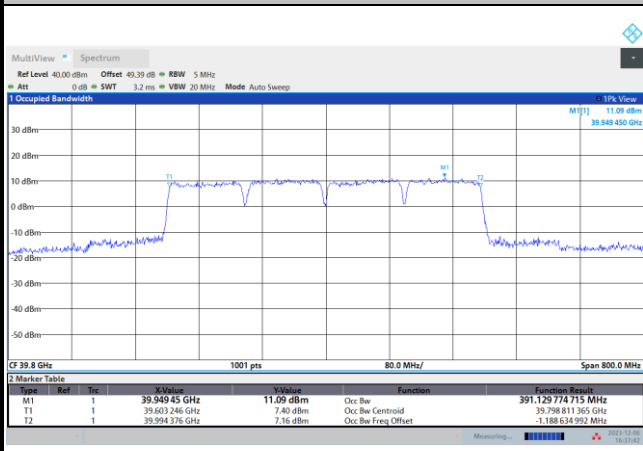
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Middle Channel / 400MHz / 16QAM



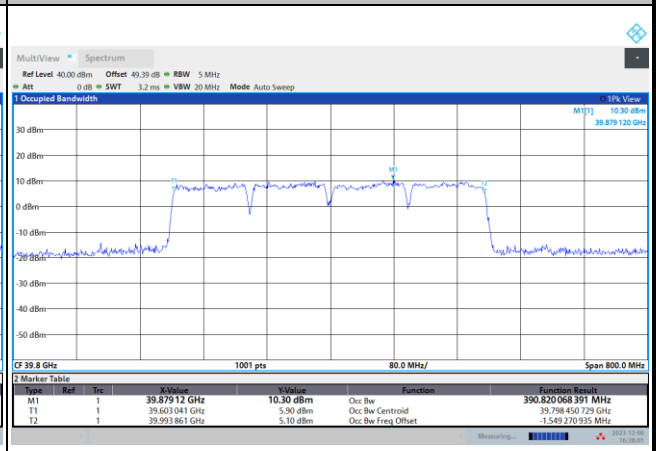
04:39:08 PM 12/04/2023

Highest Channel / 400MHz / QPSK



04:37:42 PM 12/04/2023

Highest Channel / 400MHz / 16QAM



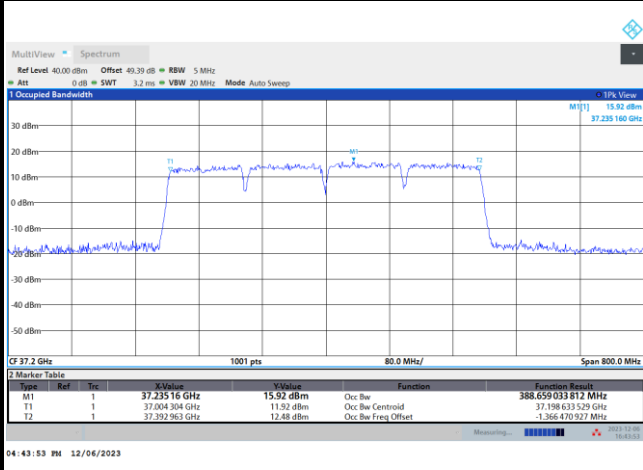
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DFT-s-OFDM Module B

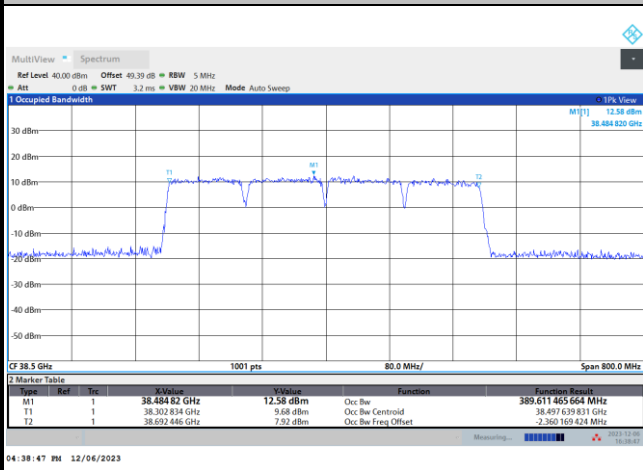
NR Band n260

Lowest Channel / 400MHz / 64QAM



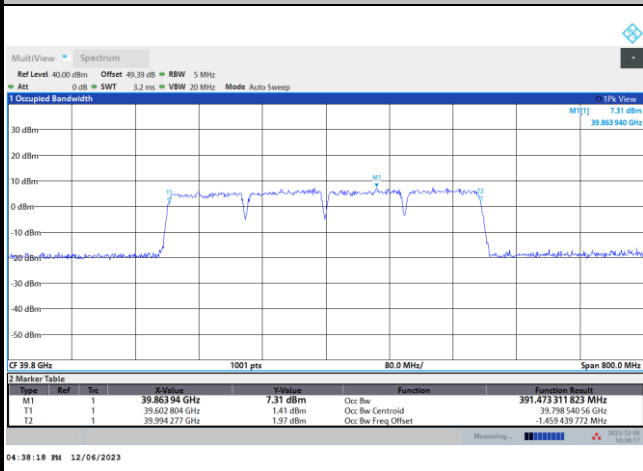
intentionally blank

Middle Channel / 400MHz / 64QAM



intentionally blank

Highest Channel / 400MHz / 64QAM



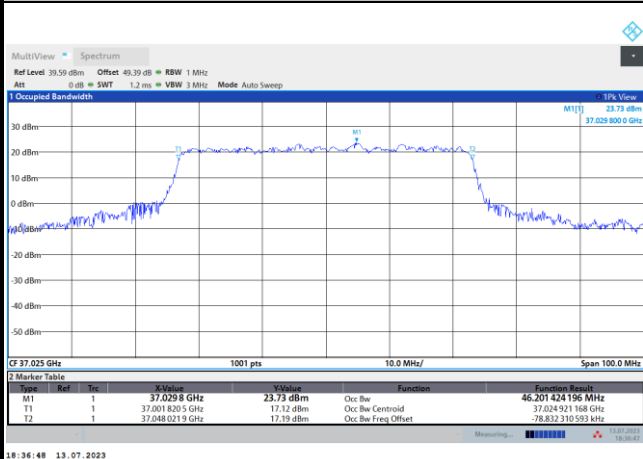
intentionally blank



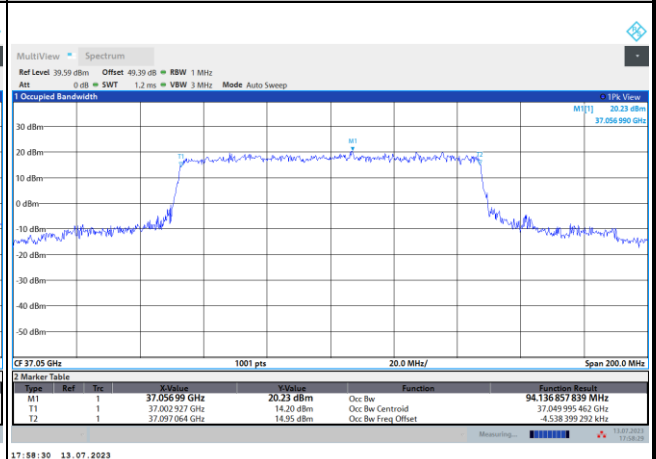
CP-OFDM Module B

NR Band n260

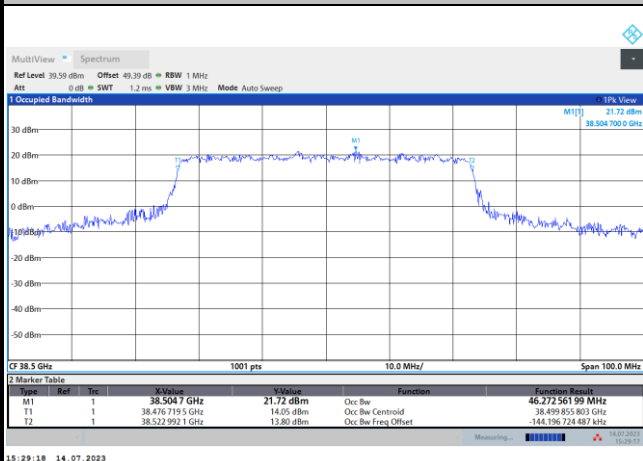
Lowest Channel / 50MHz / QPSK



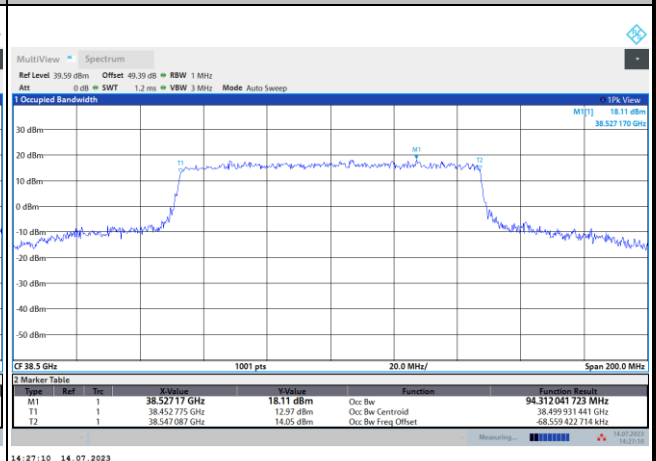
Lowest Channel / 100MHz / QPSK



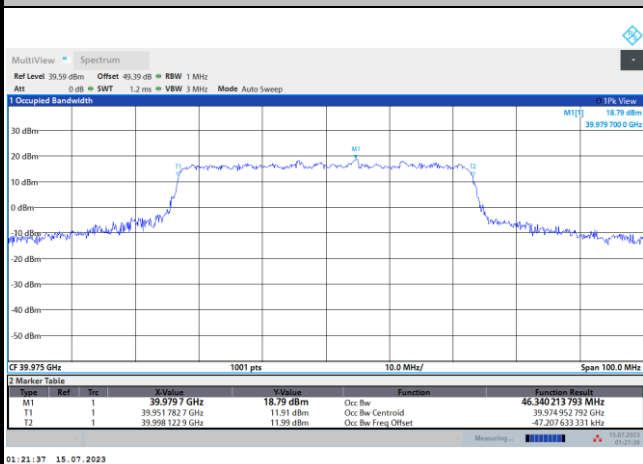
Middle Channel / 50MHz / QPSK



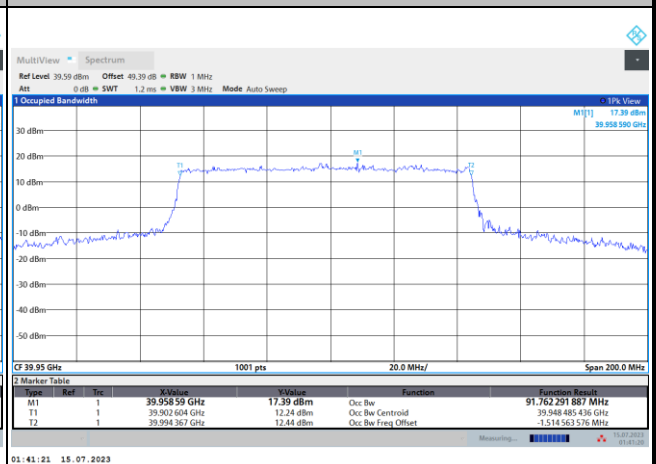
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

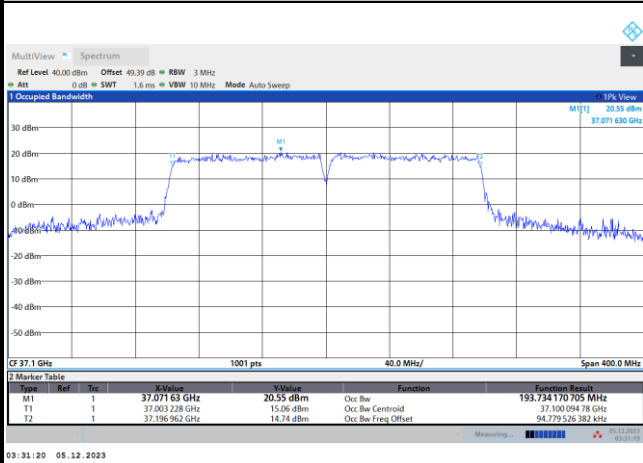




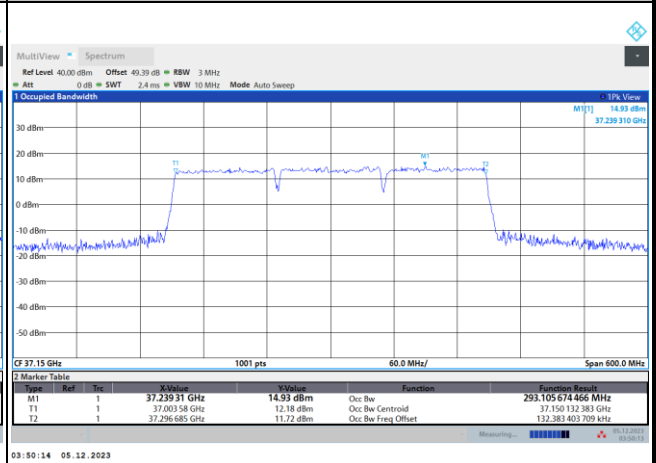
CP-OFDM Module B

NR Band n260

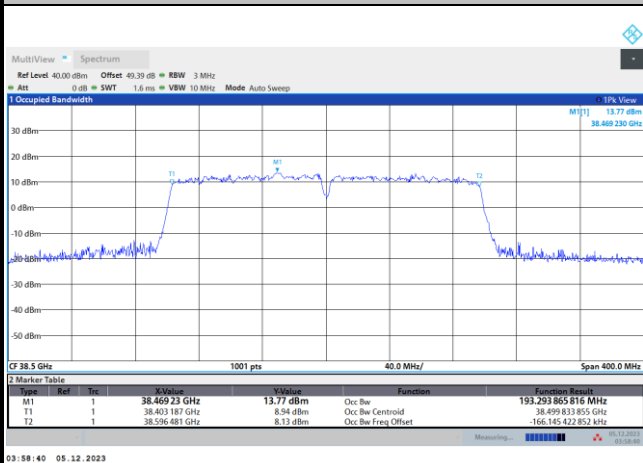
Lowest Channel / 200MHz / QPSK



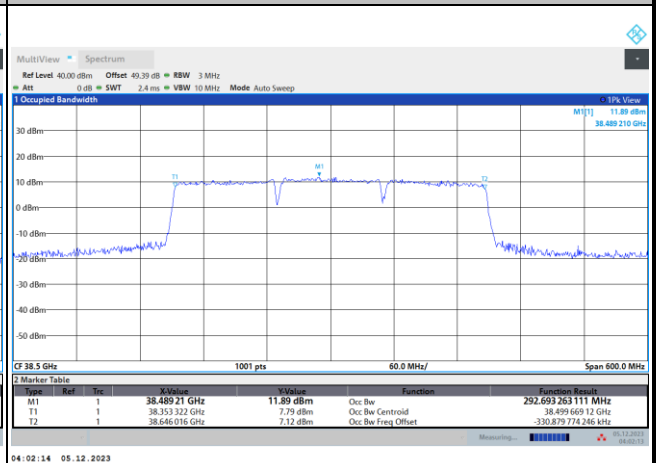
Lowest Channel / 300MHz / QPSK



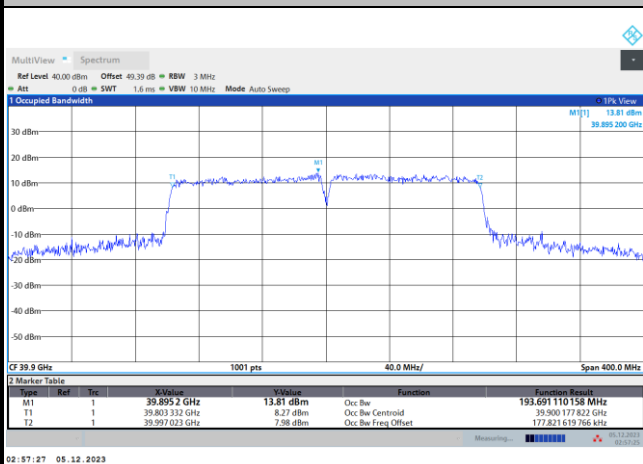
Middle Channel / 200MHz / QPSK



Middle Channel / 300MHz / QPSK



Highest Channel / 200MHz / QPSK



Highest Channel / 300MHz / QPSK

