

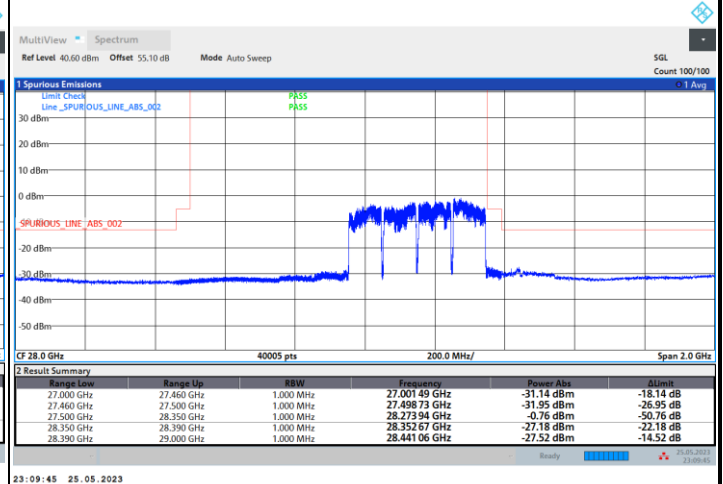
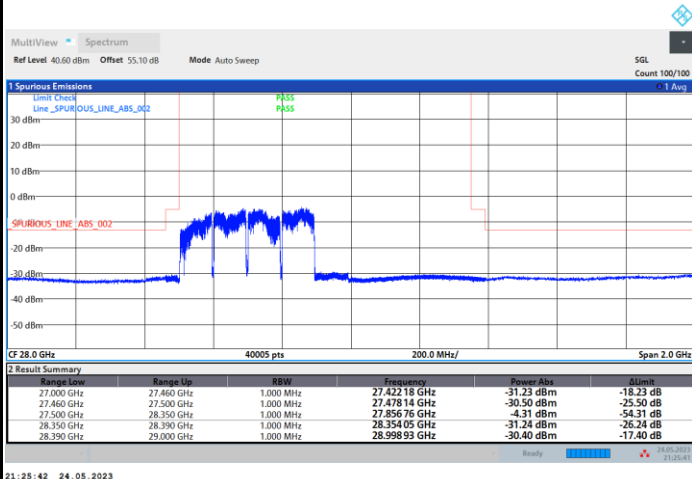


DFT-s-OFDM Module A

NR Band n261 / 400MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

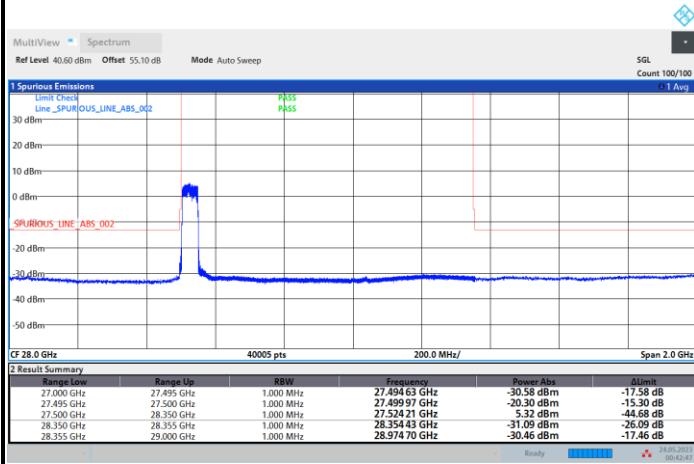




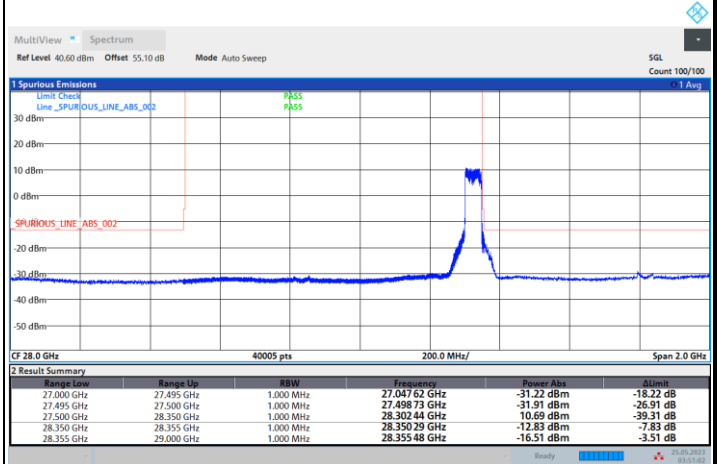
CP-OFDM Module A

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB

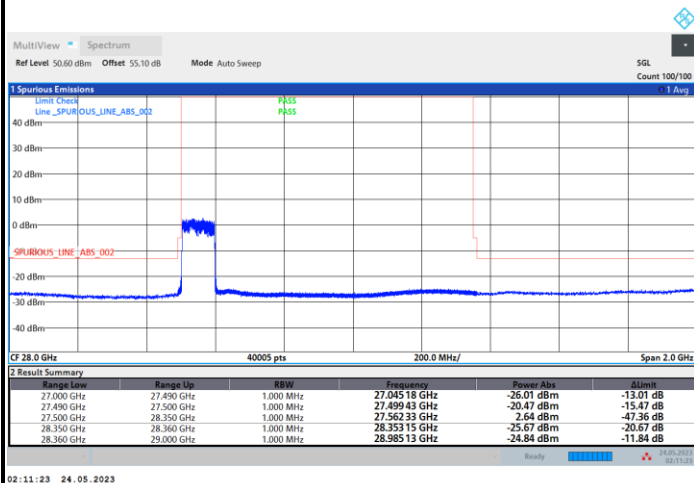


Highest Band Edge / Full RB

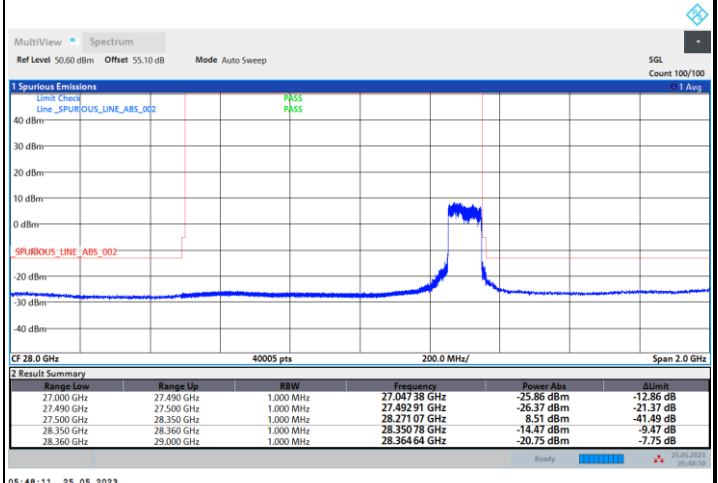


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

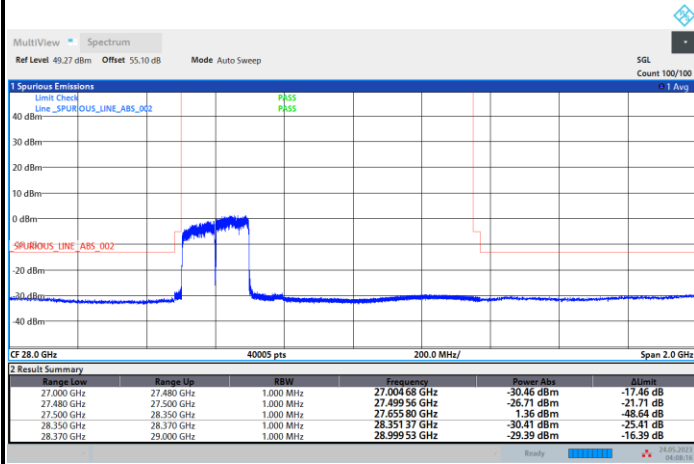




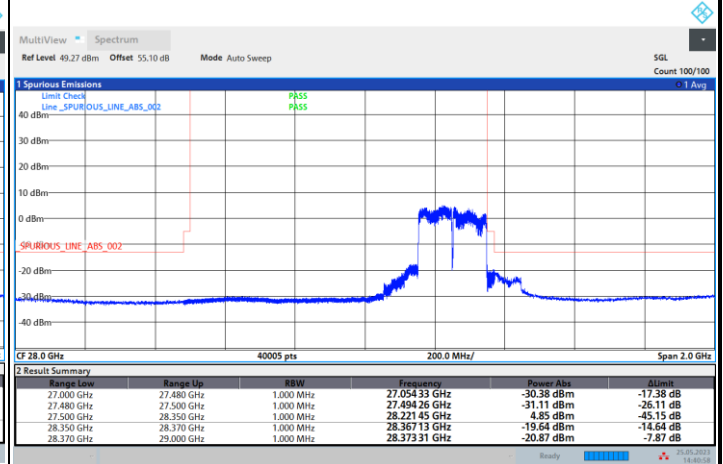
CP-OFDM Module A

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB

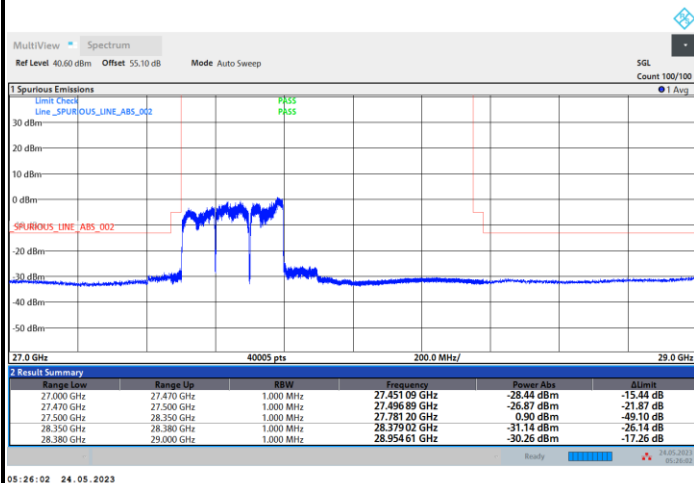


Highest Band Edge / Full RB

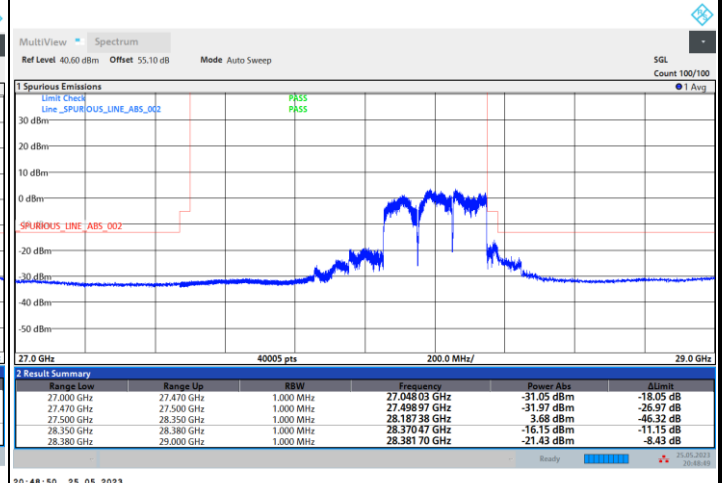


NR Band n261 / 300MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



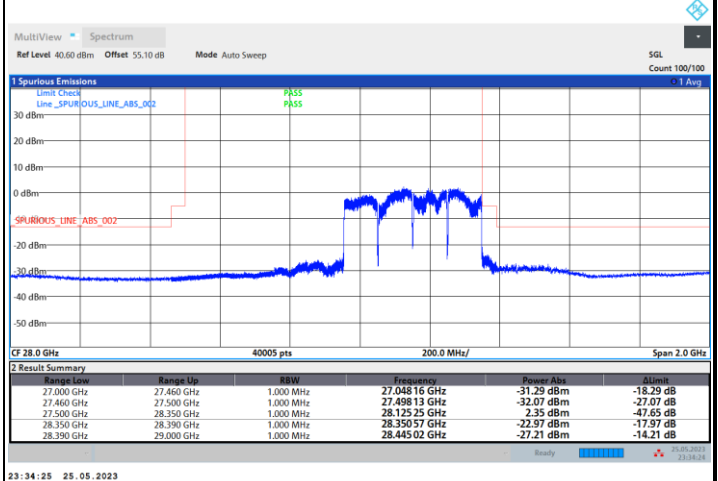
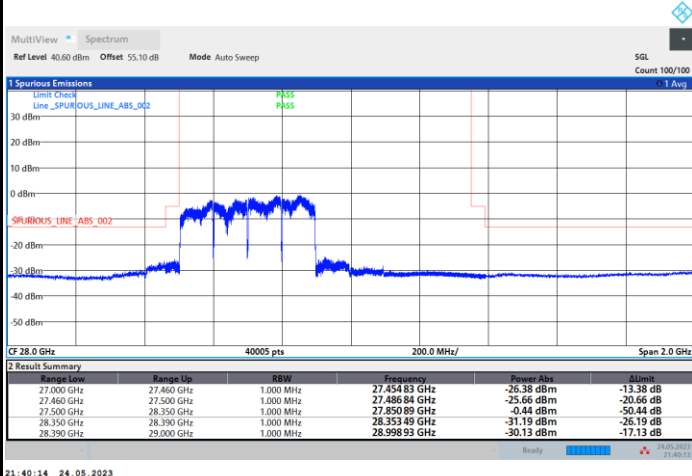


CP-OFDM Module A

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

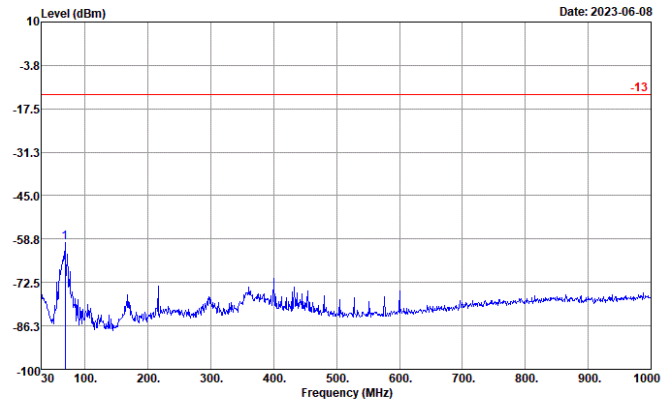




Spurious Emission

NR Band n261 (30MHz-1GHz)

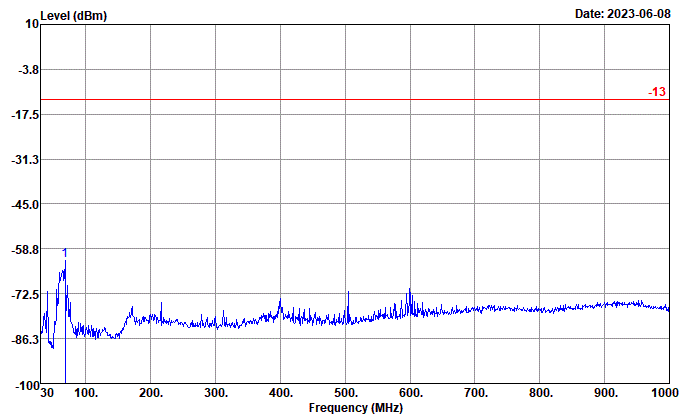
Horizontal



Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL
Project : 2D0206-01
: n261 MA

			Over	Limit	Read
Freq	Level	Limit	Line	Level	
MHz	dBm	dB	dBm	dBm	
1	67.83	-59.92	-46.92	-13.00	-54.96

Vertical



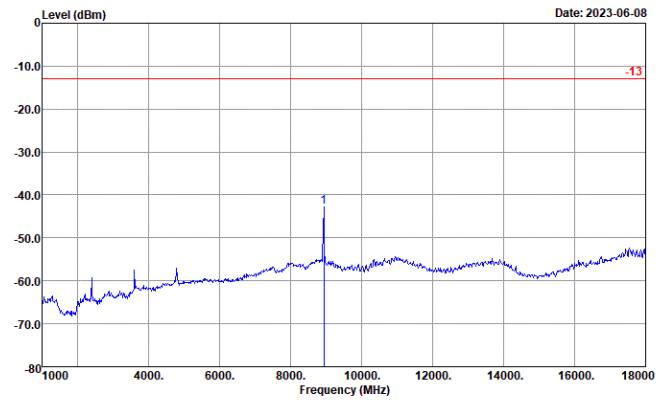
Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL
Project : 2D0206-01
: n261 MA

			Over	Limit	Read
Freq	Level	Limit	Line	Level	
MHz	dBm	dB	dBm	dBm	
1	67.83	-62.43	-49.43	-13.00	-54.25



NR Band n261 (1GHz-18GHz)

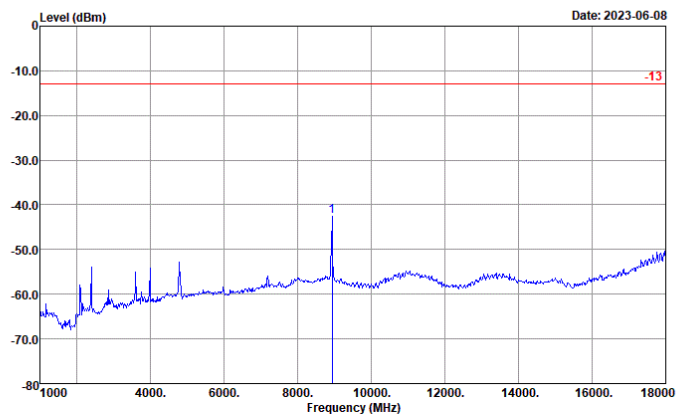
Horizontal



Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL
Project : 2D0206-01
: n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	8939.00	-42.78	-29.78 -13.00

Vertical



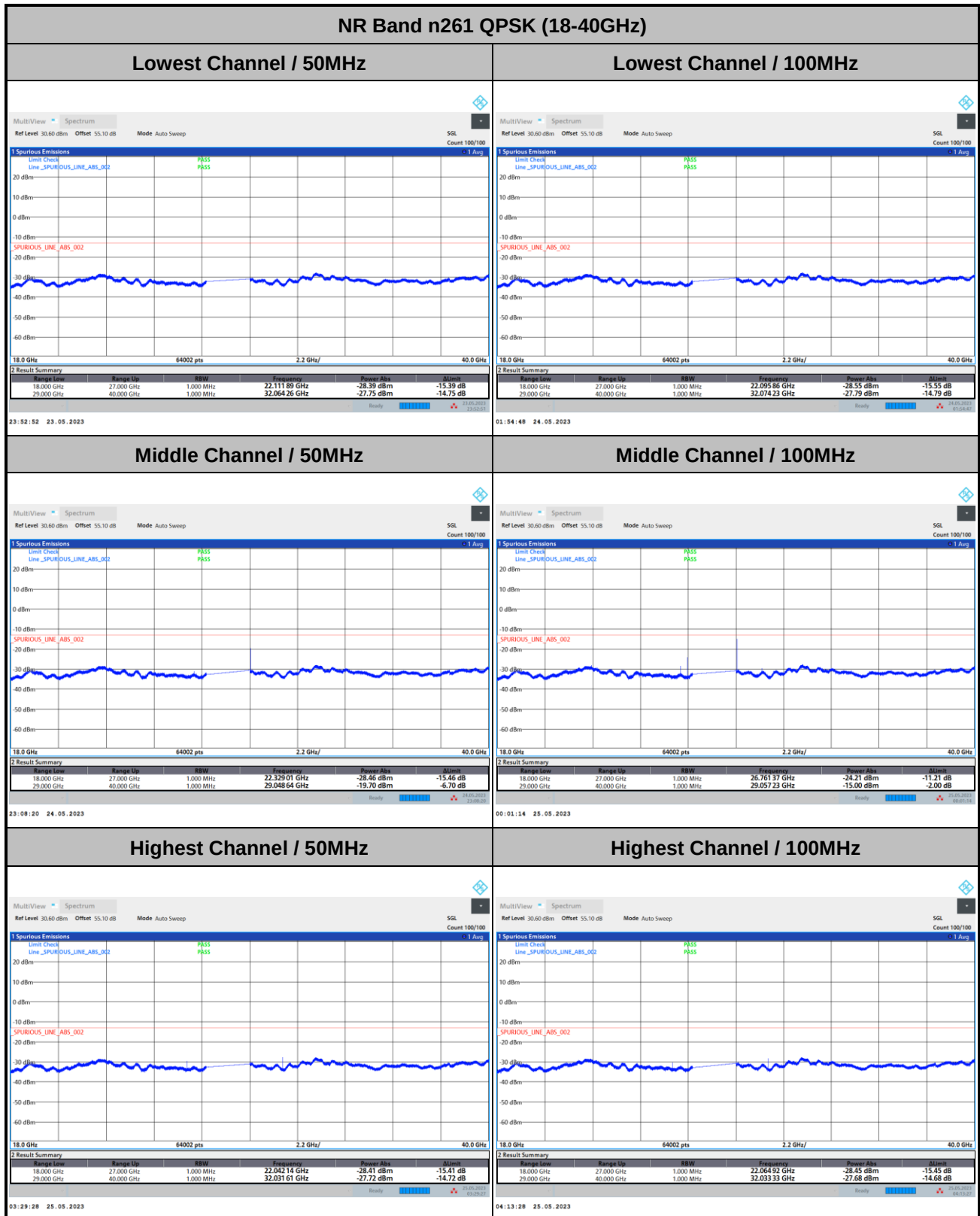
Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL
Project : 2D0206-01
: n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	8939.00	-42.56	-29.56 -13.00



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

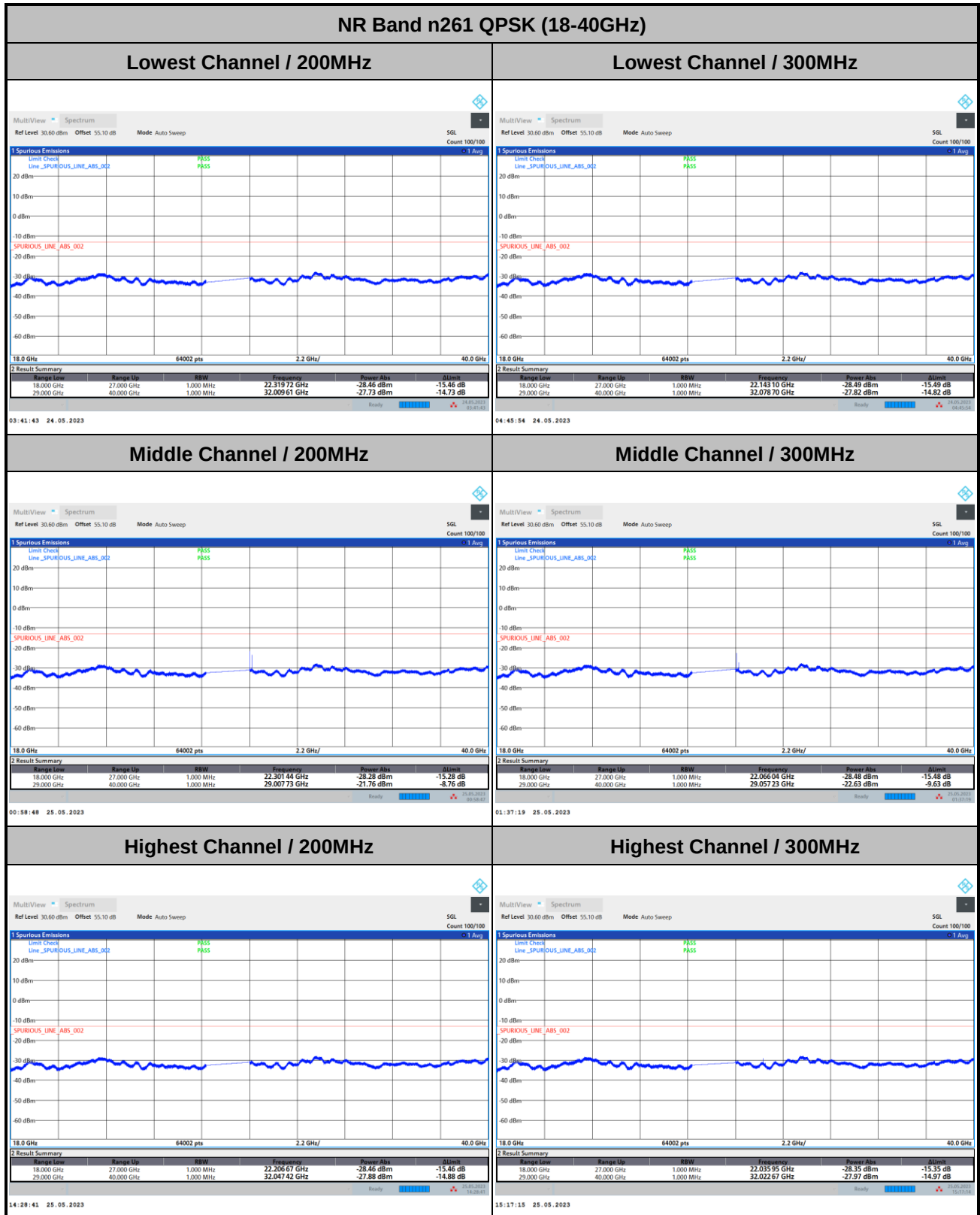
DFT-s-OFDM Module A



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



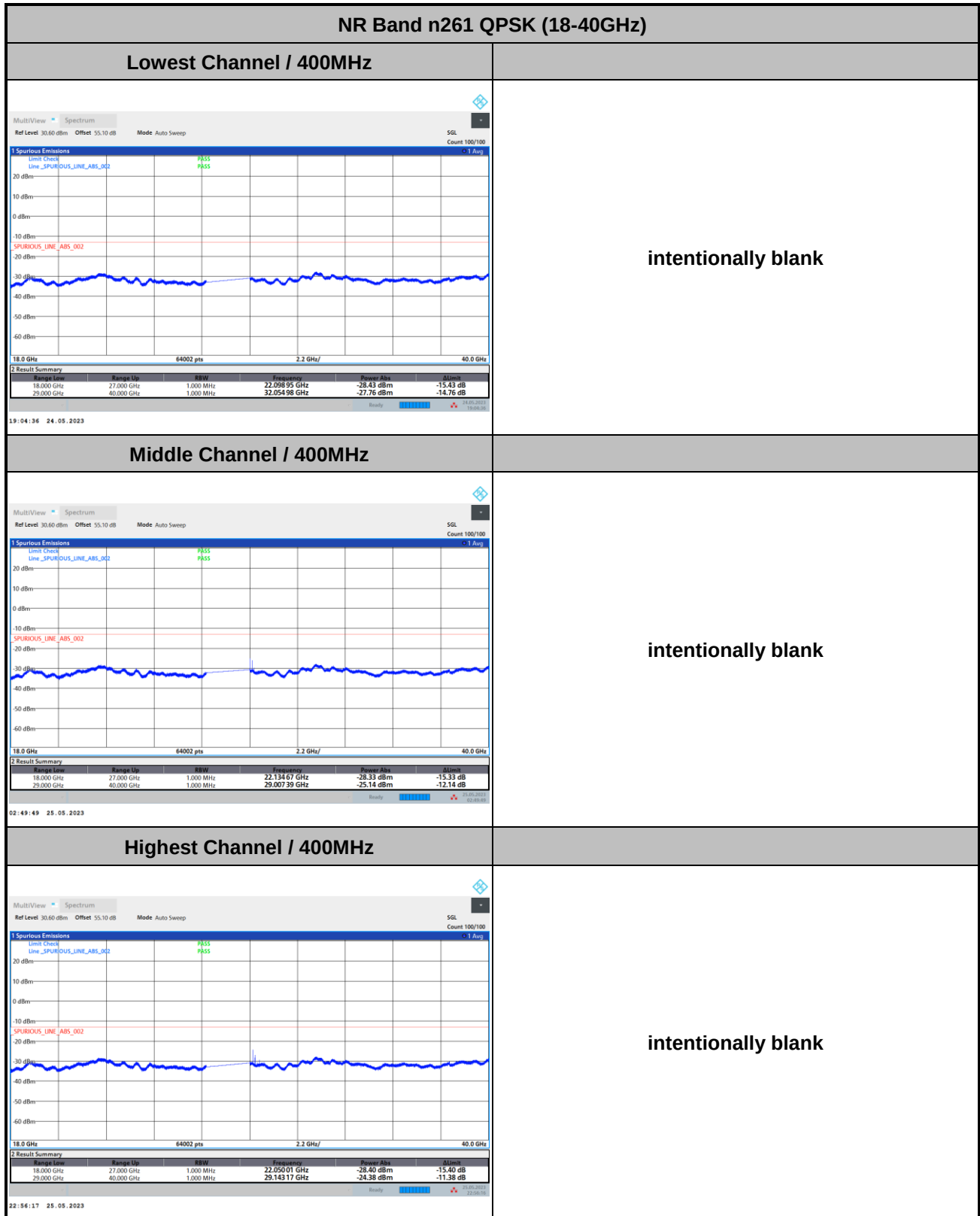
DFT-s-OFDM Module A



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



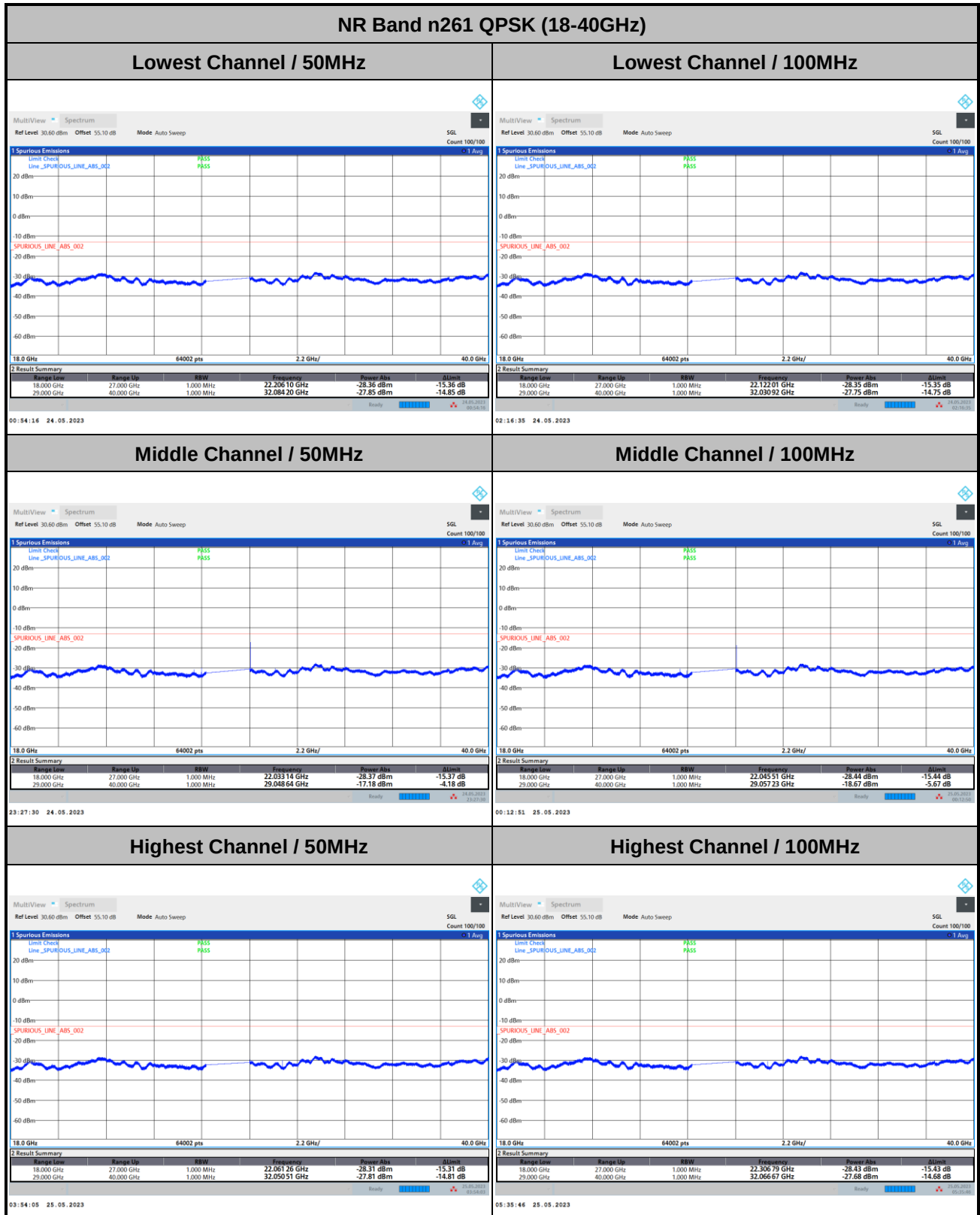
DFT-s-OFDM Module A



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



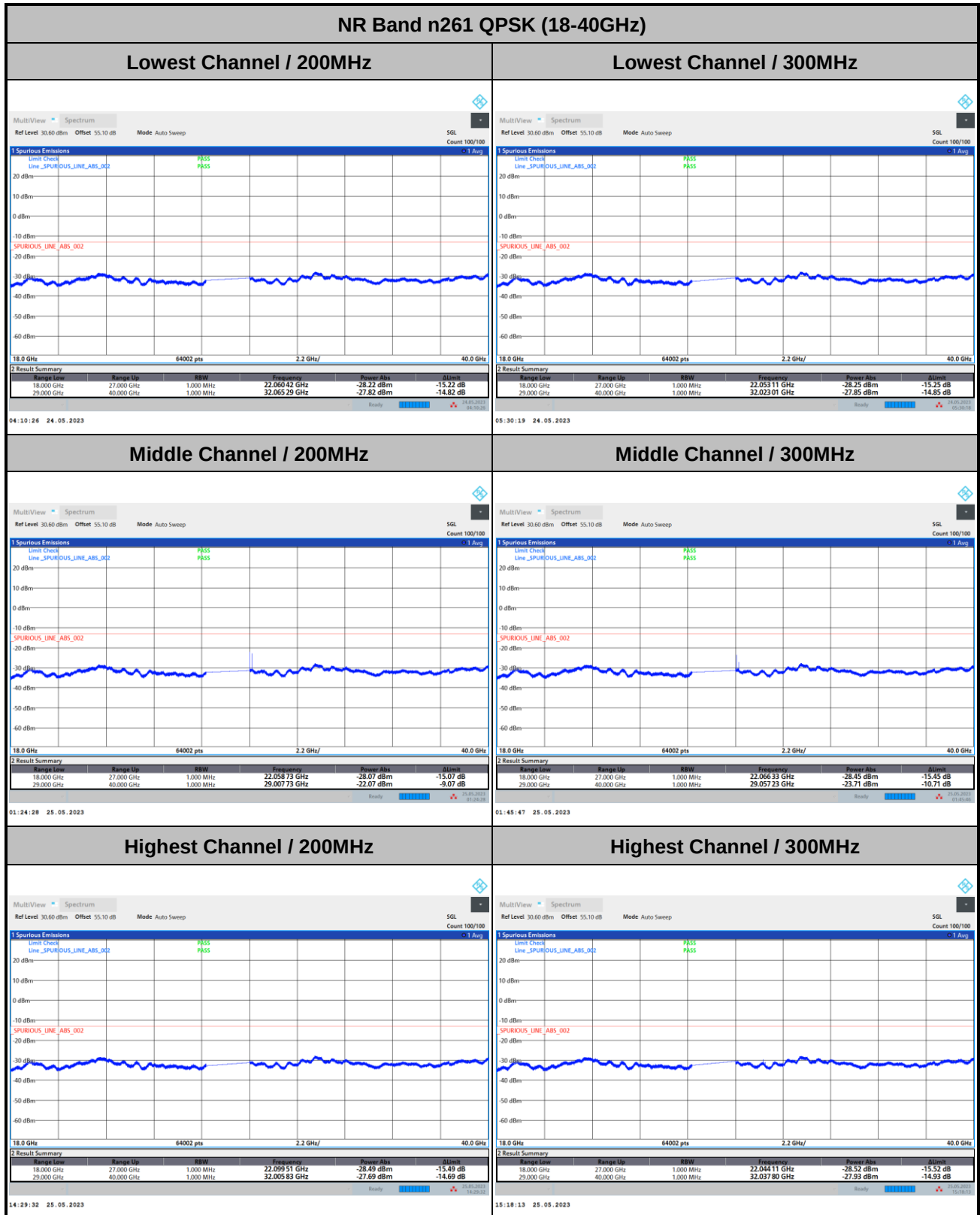
CP-OFDM Module A



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



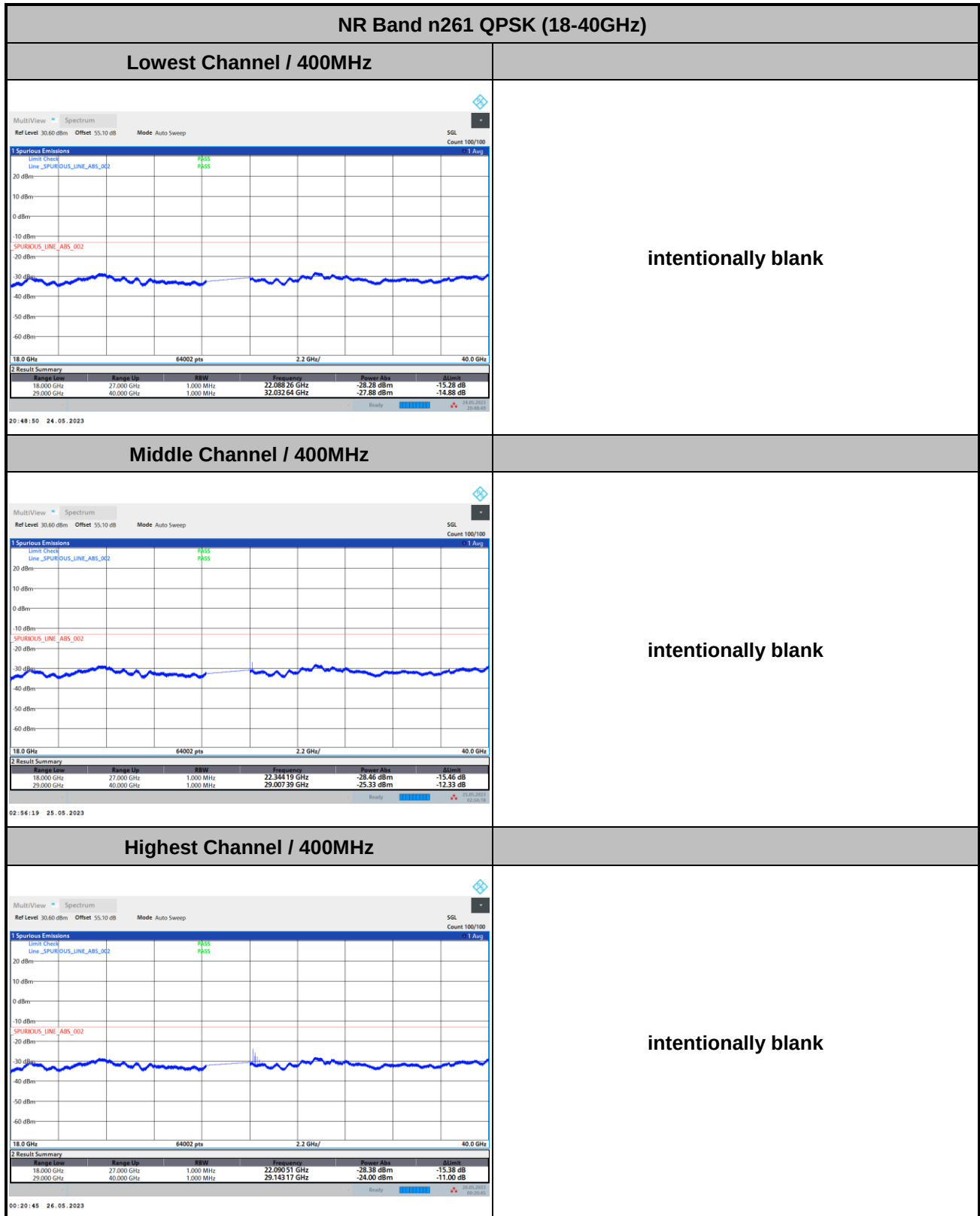
CP-OFDM Module A



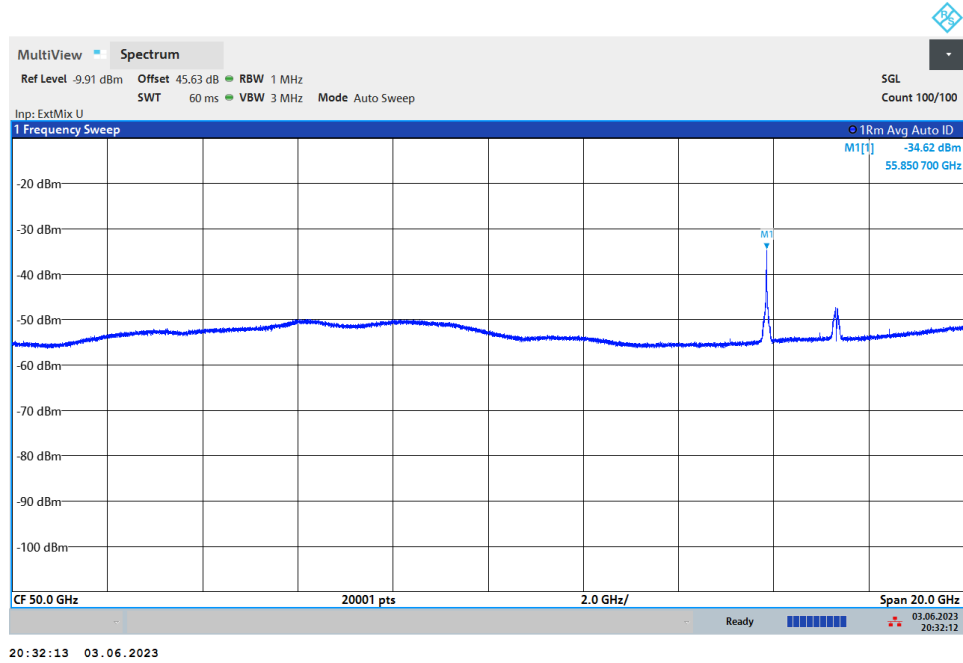
Remark: In band and out of band frequencies are omitted.



CP-OFDM Module A

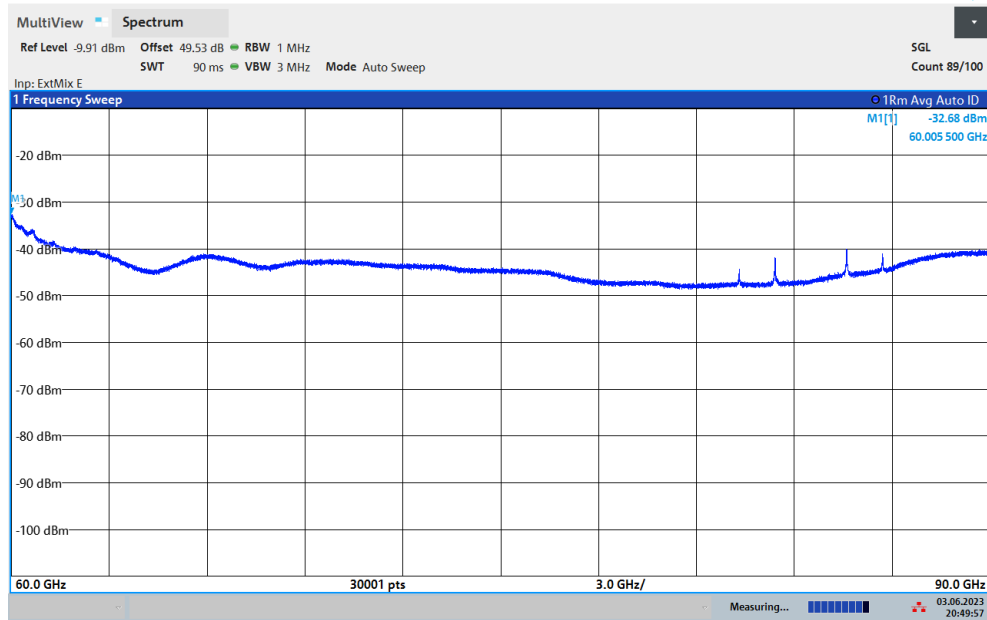


Remark: In band and out of band frequencies are omitted.

NR Band n261
(40GHz-60GHz)


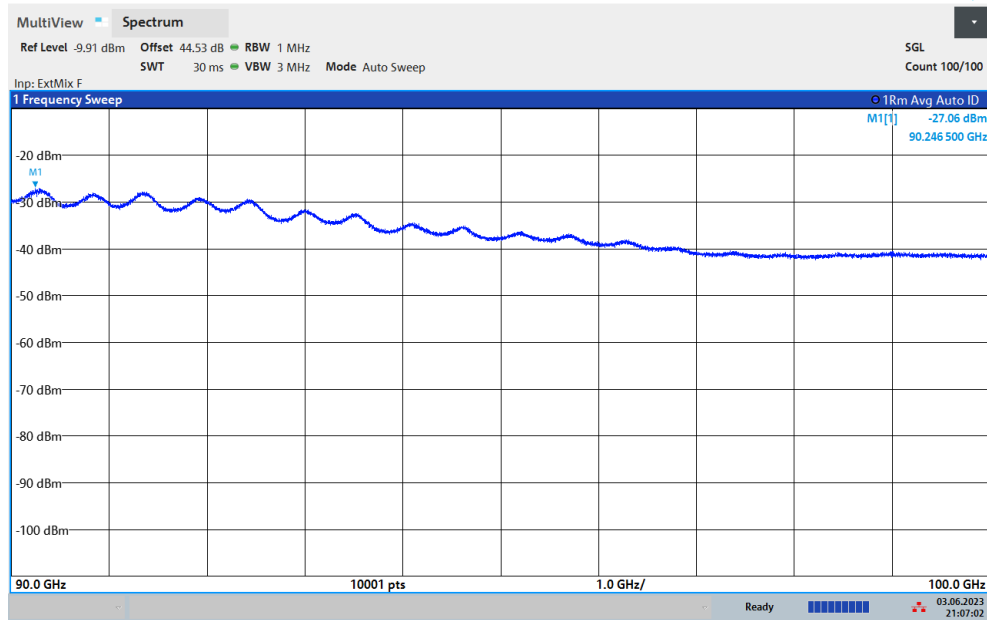
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + \text{Duty Factor}$$

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

NR Band n261
(60GHz-90GHz)


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

$$= 46.9 + 0.43 + 107 + 20\log(1) - 104.8 = 49.53 \text{ (dB)}$$

NR Band n261
(90GHz-100GHz)


21:07:03 03.06.2023

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

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	27.924999	39.000	1.397	Pass
40	Normal Voltage	27.924992	46.000	1.647	
30	Normal Voltage	27.925015	23.000	0.824	
20(Ref.)	Normal Voltage	27.925038	0.000	0.000	
10	Normal Voltage	27.9250749	-36.900	1.321	
0	Normal Voltage	27.9251329	-94.900	3.398	
-10	Normal Voltage	27.9251548	-116.800	4.183	
-20	Normal Voltage	27.9251499	-111.900	4.007	
-30	Normal Voltage	27.9251179	-79.900	2.861	
20	Maximum Voltage	27.925034	4.000	0.143	
20	Normal Voltage	27.925031	7.000	0.251	
20	Battery End Point	27.925009	29.000	1.038	

Note:

1. Normal Voltage = 3.89 V. ; Battery End Point (BEP) = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the operation band.

NR Band n261 Module B AGH+V

Occupied Bandwidth

Mode	DFT-s-OFDM Module B NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	46.24	46.05	45.92	91.37	91.43	91.24	189.34	189.29	189.31
Middle CH	46.25	46.14	45.89	91.35	91.28	91.44	189.75	189.68	189.89
Highest CH	46.29	46.19	46.02	91.13	91.44	91.33	189.48	189.21	189.59

Mode	DFT-s-OFDM Module B NR Band n261 : 99%OBW(MHz)					
BW	300MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	287.95	288.29	288.04	386.42	386.13	386.00
Middle CH	288.26	287.60	287.86	386.91	385.92	386.19
Highest CH	288.13	288.33	288.14	386.23	385.70	386.19

Mode	CP-OFDM Module B NR Band n261 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	46.07	94.43	192.37
Middle CH	46.09	94.08	192.91
Highest CH	46.14	94.13	192.58

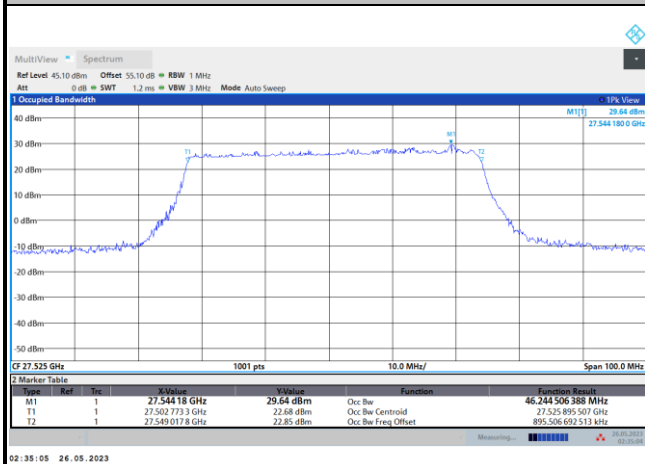
Mode	CP-OFDM Module B NR Band n261 : 99%OBW(MHz)	
BW	300MHz	400MHz
Mod.	QPSK	QPSK
Lowest CH	291.04	388.62
Middle CH	292.07	390.03
Highest CH	292.34	390.60



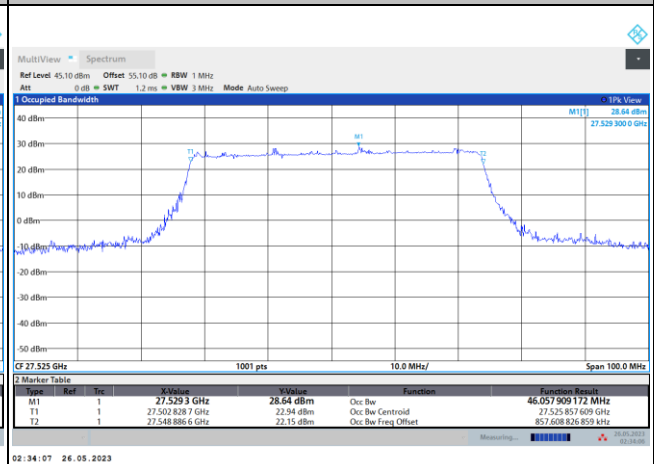
DFT-s-OFDM Module B

NR Band n261

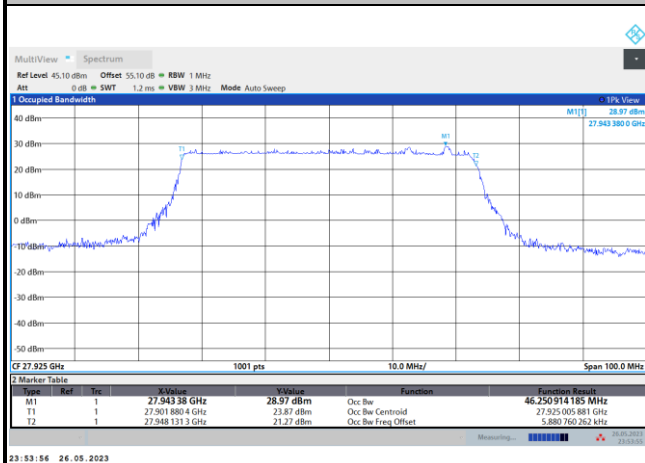
Lowest Channel / 50MHz / QPSK



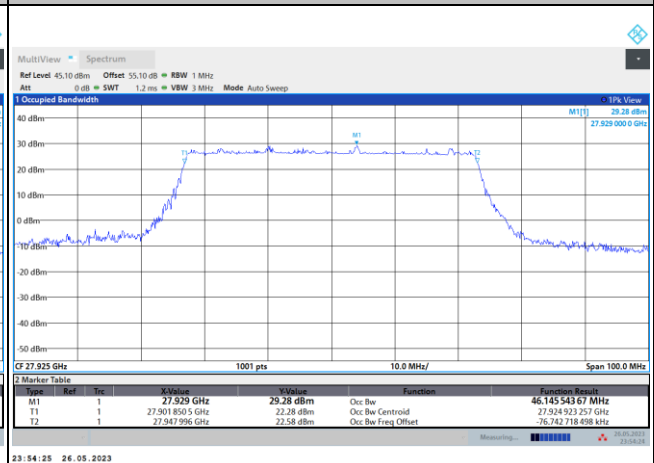
Lowest Channel / 50MHz / 16QAM



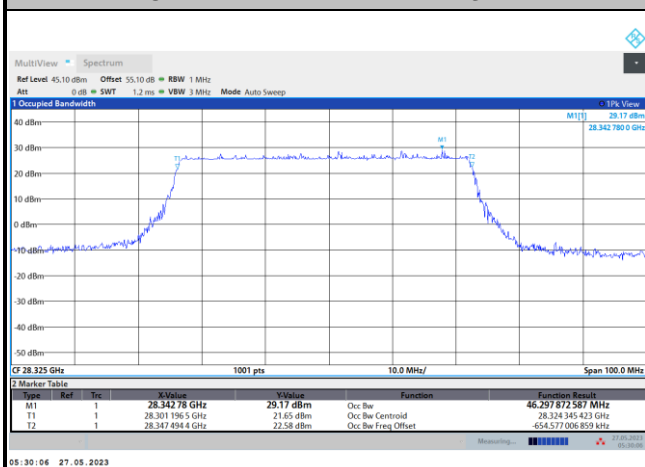
Middle Channel / 50MHz / QPSK



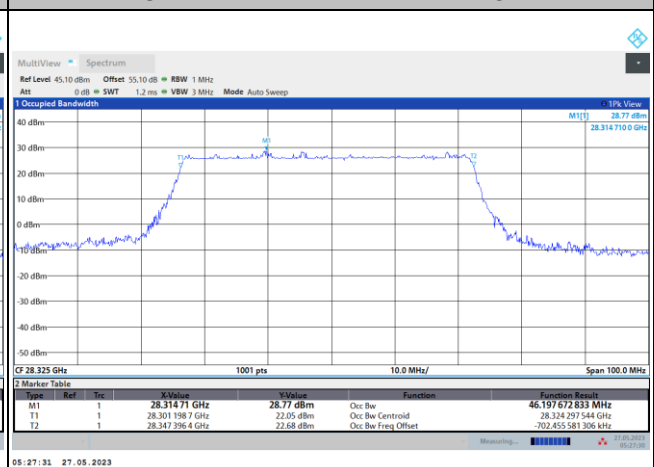
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

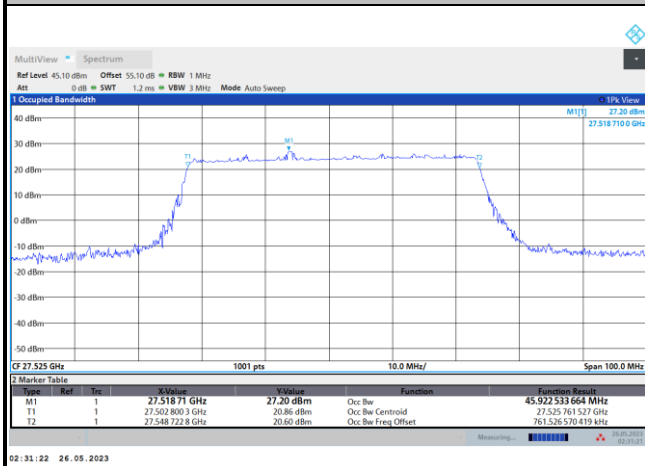




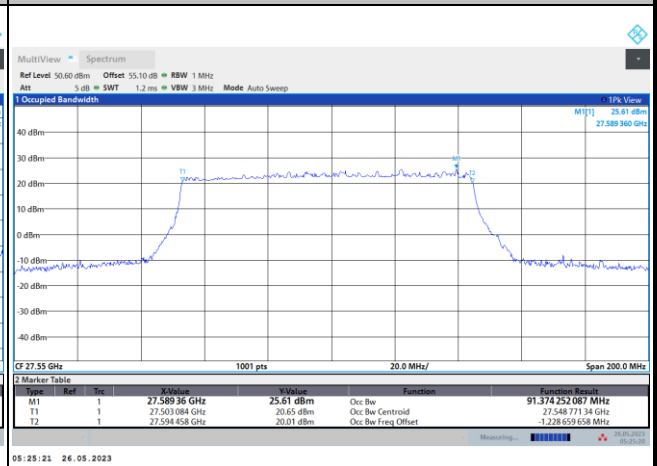
DFT-s-OFDM Module B

NR Band n261

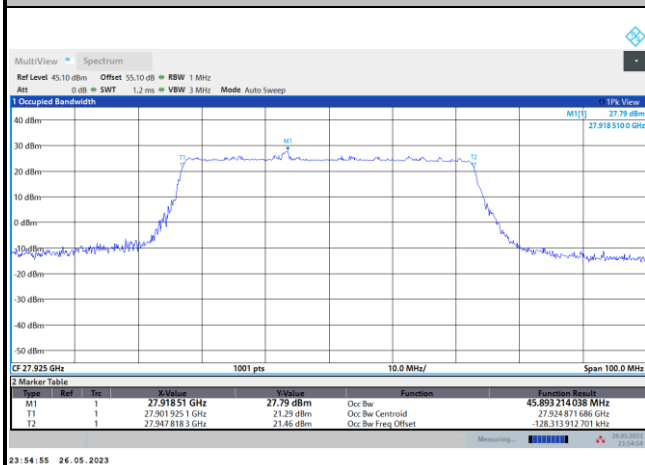
Lowest Channel / 50MHz / 64QAM



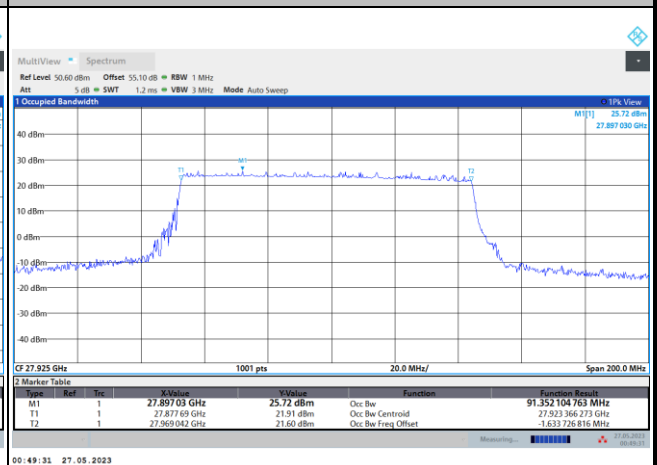
Lowest Channel / 100MHz / QPSK



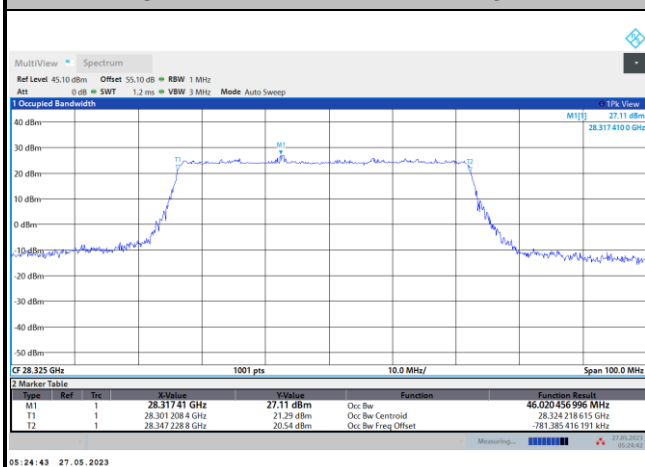
Middle Channel / 50MHz / 64QAM



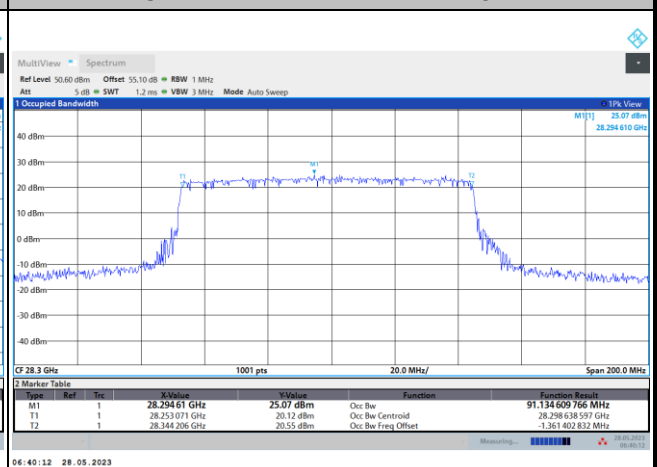
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

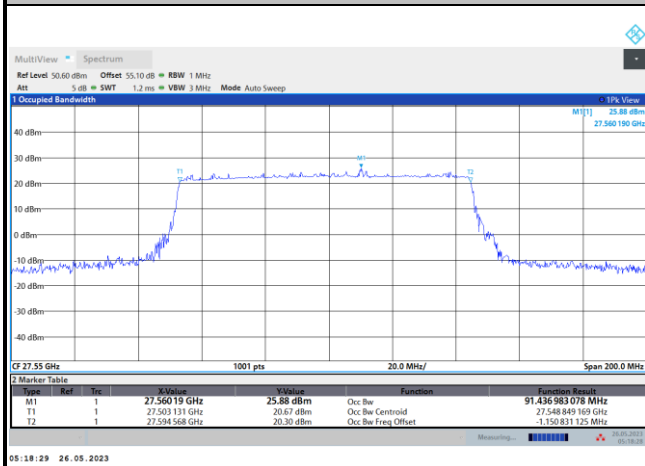




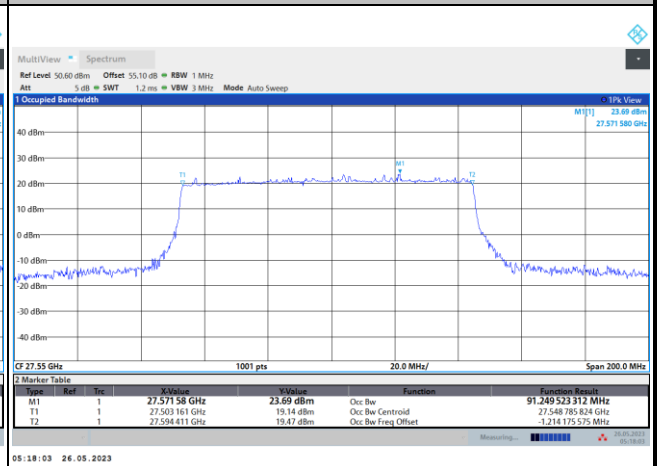
DFT-s-OFDM Module B

NR Band n261

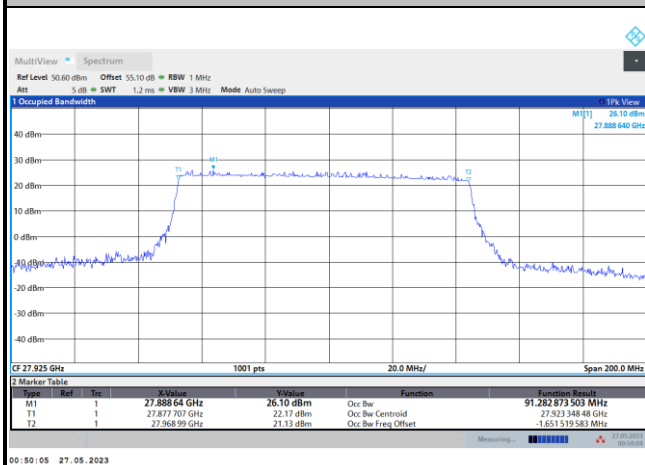
Lowest Channel / 100MHz / 16QAM



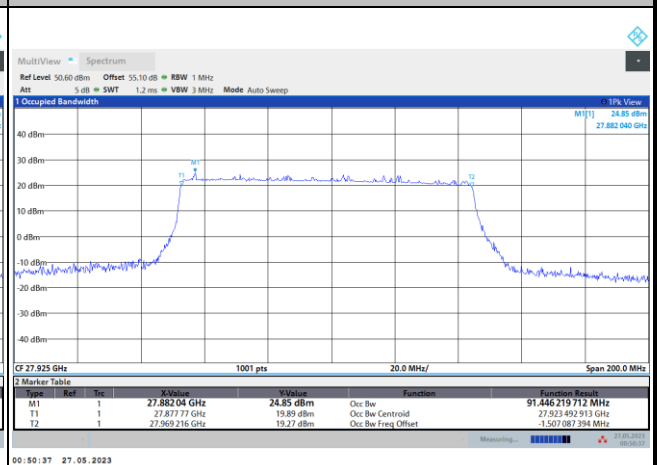
Lowest Channel / 100MHz / 64QAM



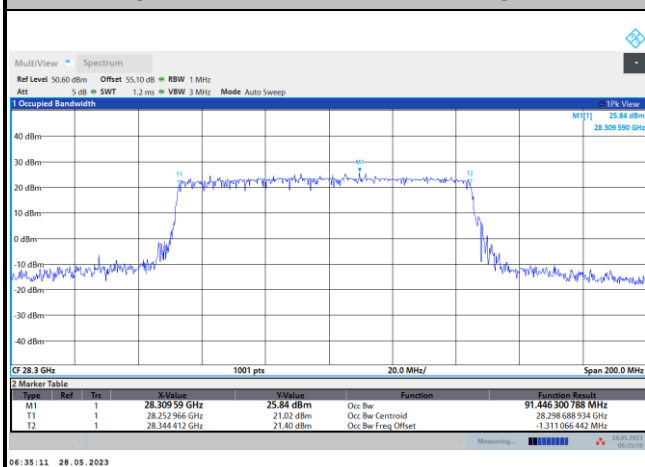
Middle Channel / 100MHz / 16QAM



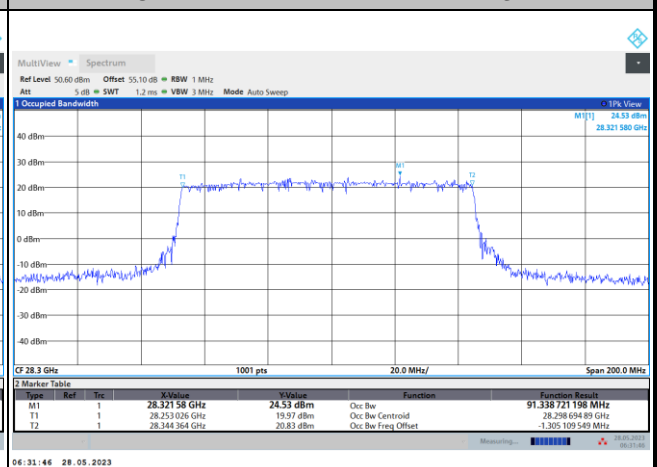
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM

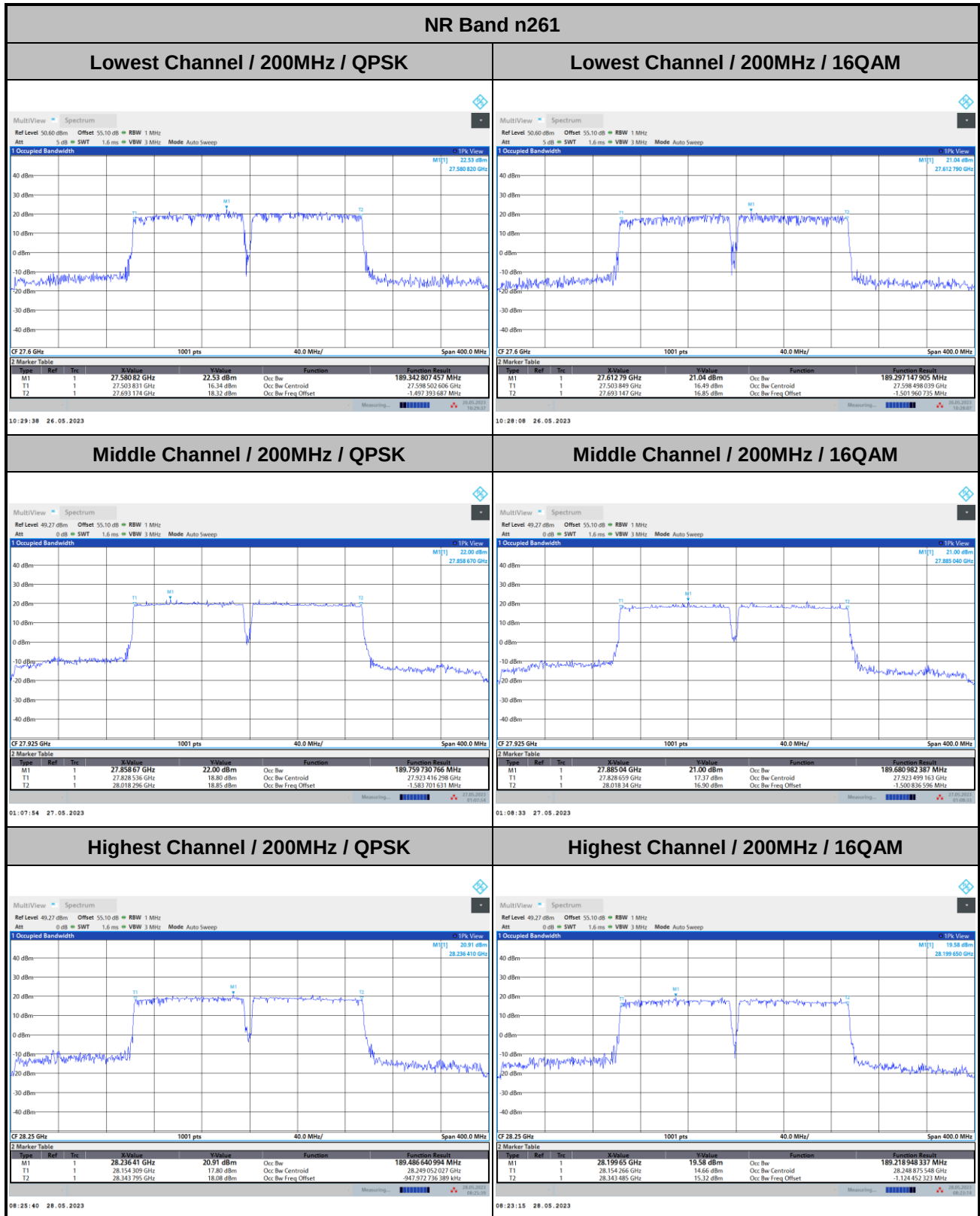


Highest Channel / 100MHz / 64QAM



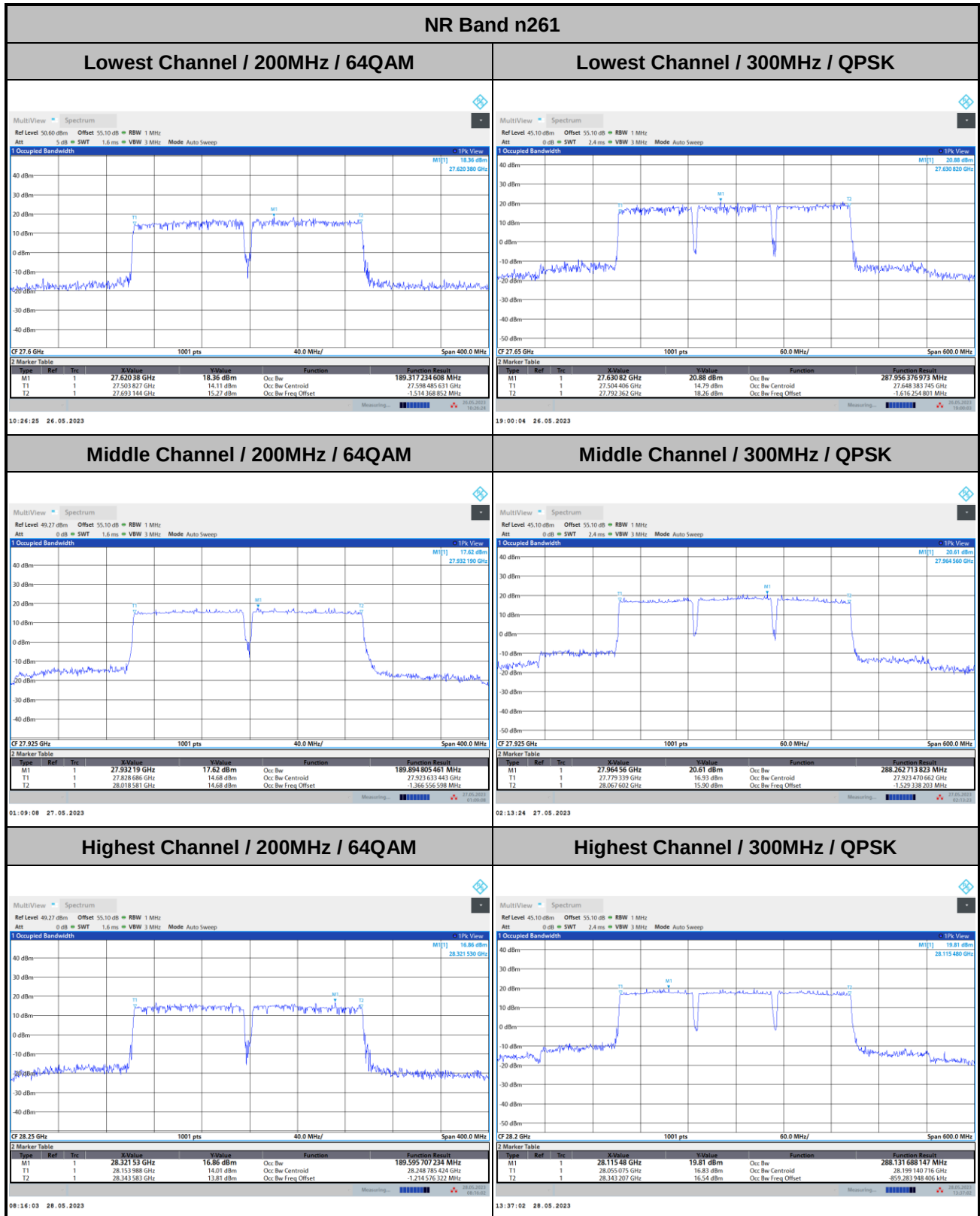


DFT-s-OFDM Module B





DFT-s-OFDM Module B

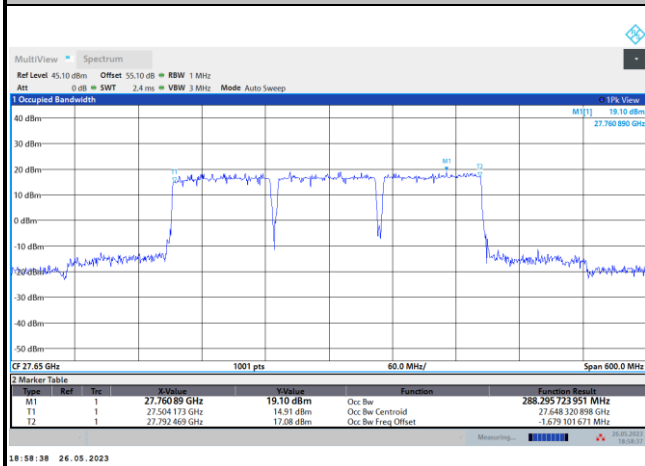




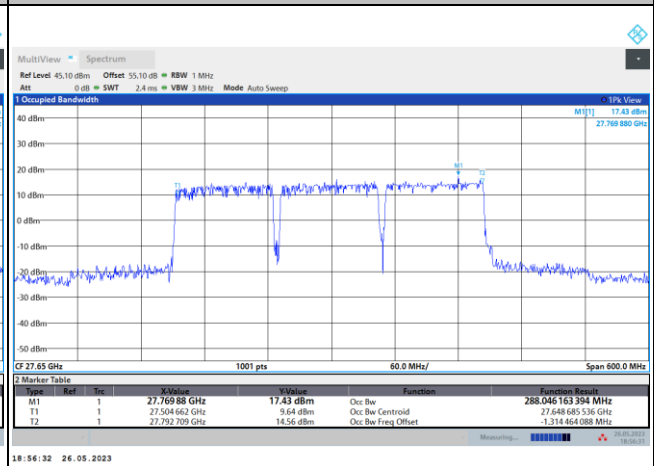
DFT-s-OFDM Module B

NR Band n261

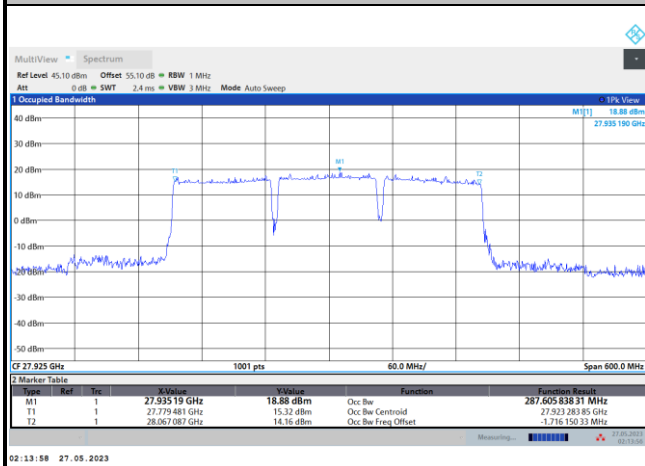
Lowest Channel / 300MHz / 16QAM



Lowest Channel / 300MHz / 64QAM



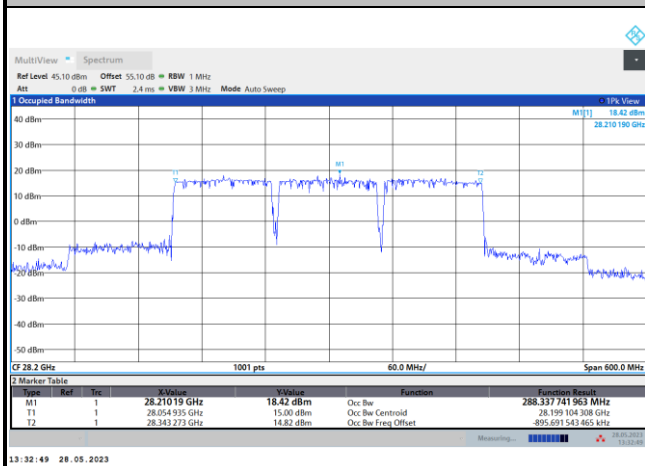
Middle Channel / 300MHz / 16QAM



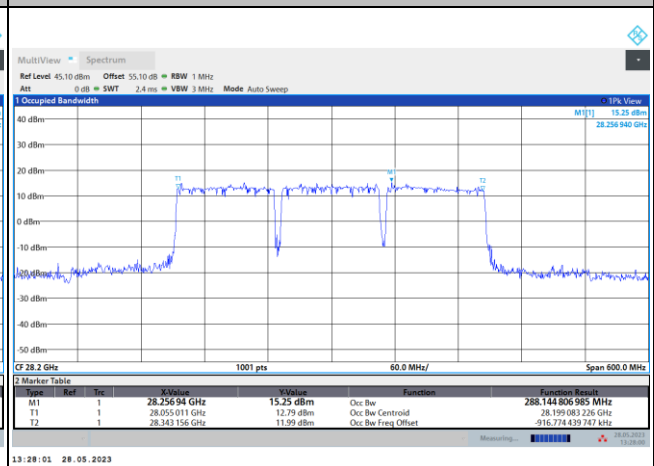
Middle Channel / 300MHz / 64QAM



Highest Channel / 300MHz / 16QAM



Highest Channel / 300MHz / 64QAM





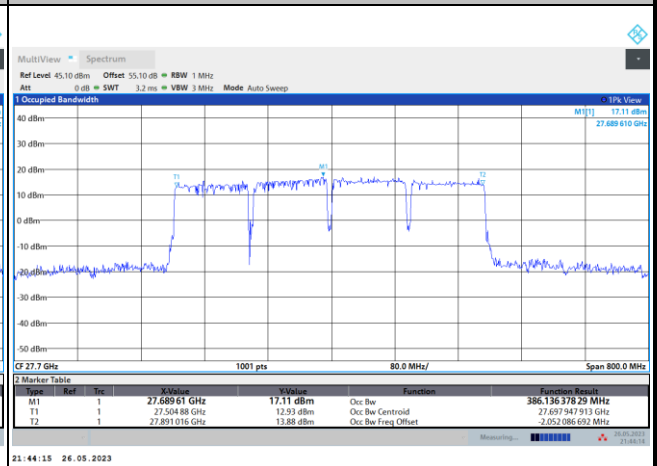
DFT-s-OFDM Module B

NR Band n261

Lowest Channel / 400MHz / QPSK



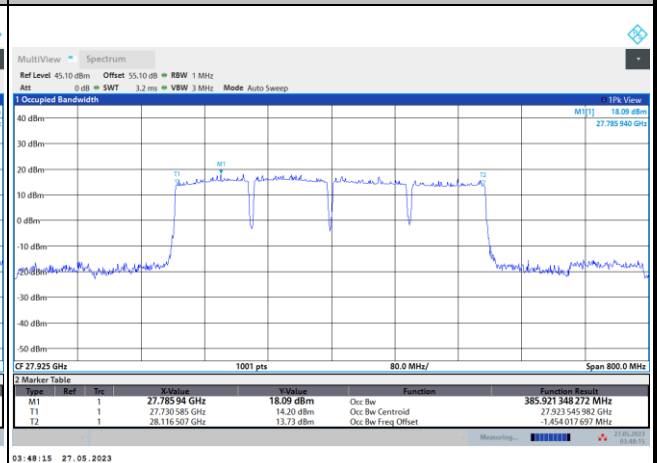
Lowest Channel / 400MHz / 16QAM



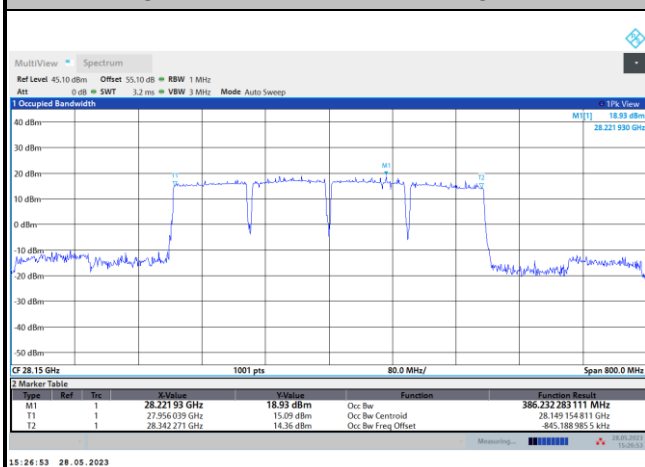
Middle Channel / 400MHz / QPSK



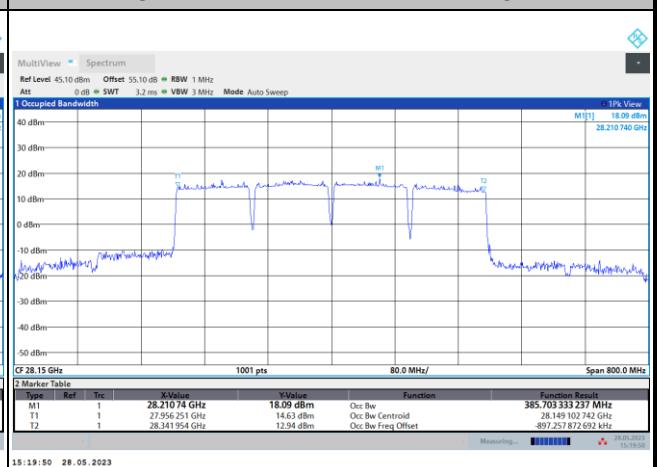
Middle Channel / 400MHz / 16QAM



Highest Channel / 400MHz / QPSK



Highest Channel / 400MHz / 16QAM

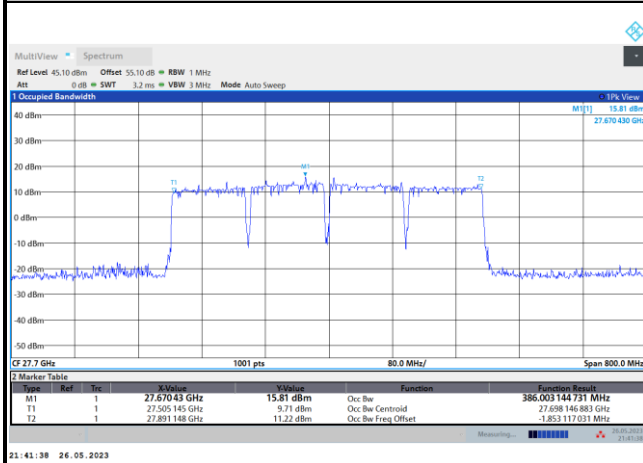




DFT-s-OFDM Module B

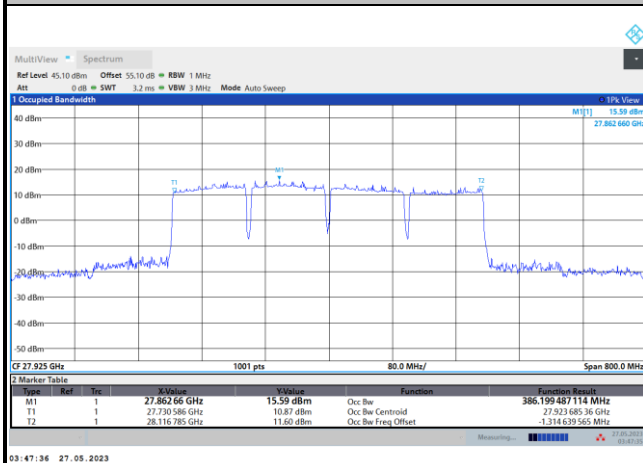
NR Band n261

Lowest Channel / 400MHz / 64QAM



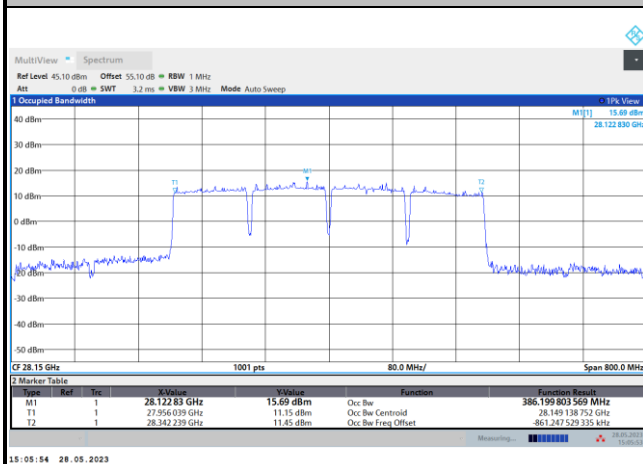
intentionally blank

Middle Channel / 400MHz / 64QAM



intentionally blank

Highest Channel / 400MHz / 64QAM



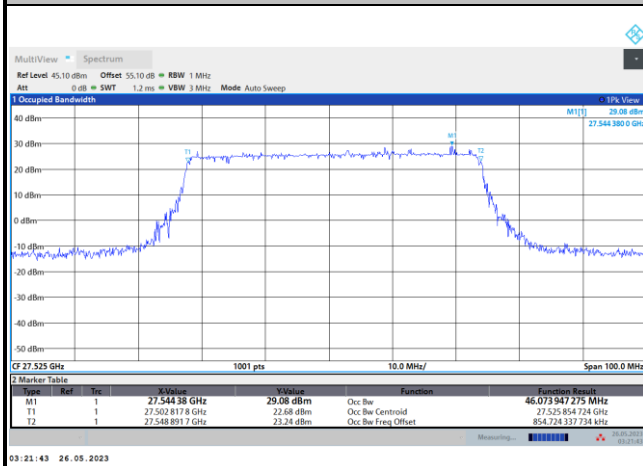
intentionally blank



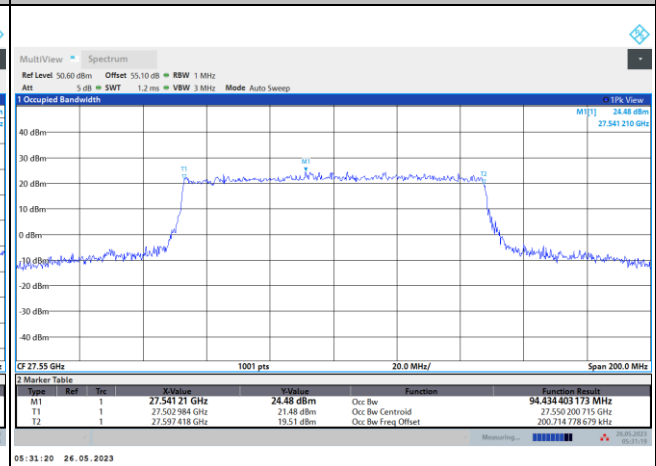
CP-OFDM Module B

NR Band n261

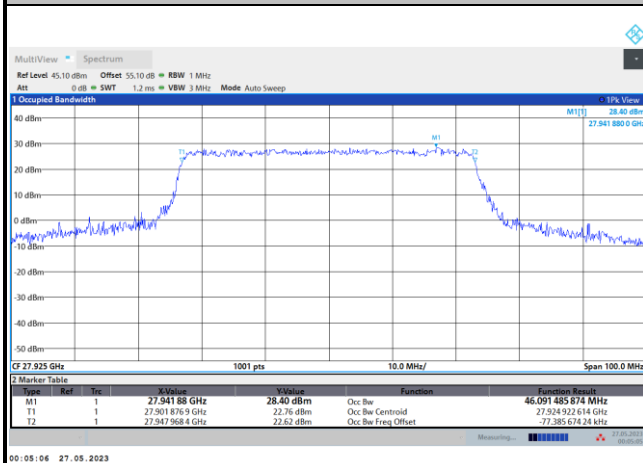
Lowest Channel / 50MHz / QPSK



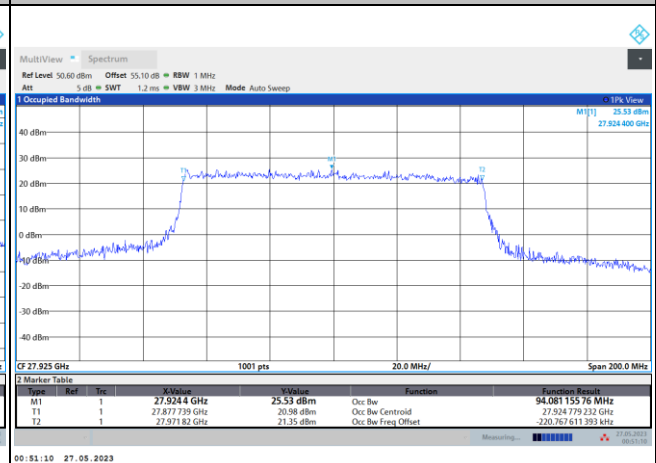
Lowest Channel / 100MHz / QPSK



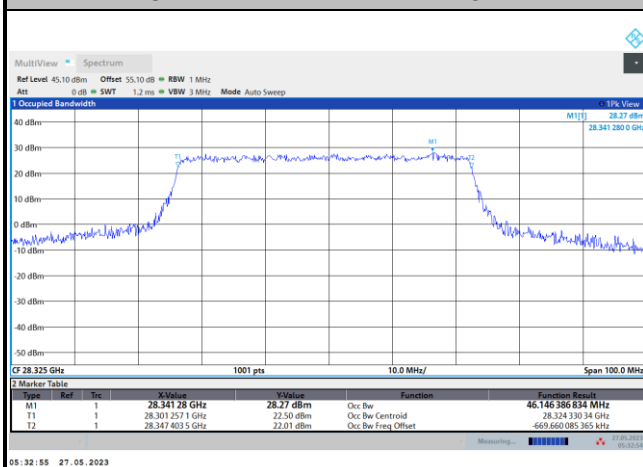
Middle Channel / 50MHz / QPSK



Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

