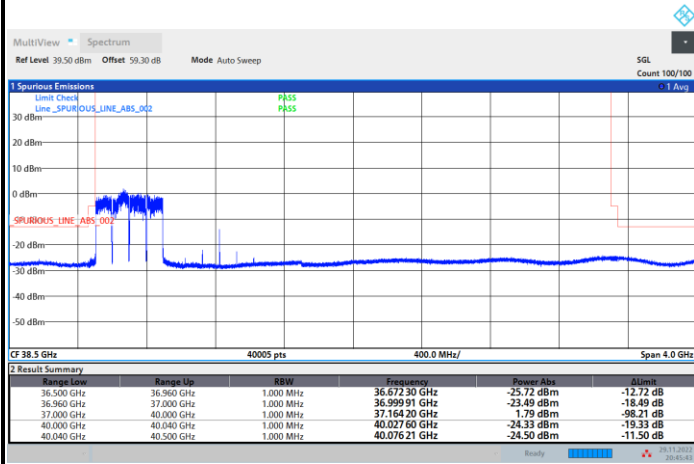




DFT-s-OFDM Module A

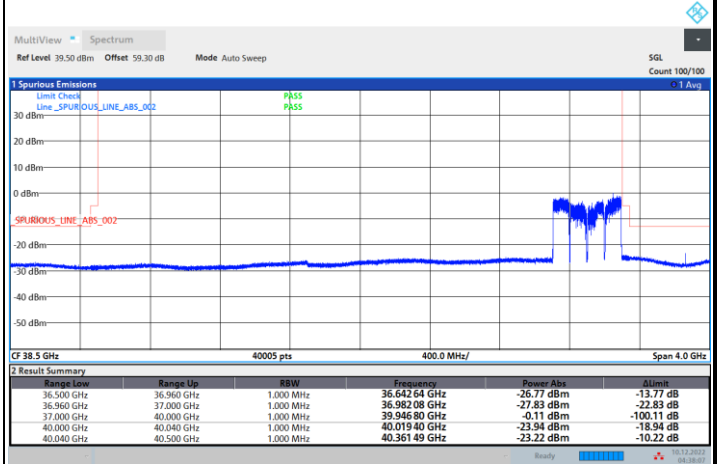
NR Band n260 / 400MHz / QPSK

Lowest Band Edge / Full RB



20:45:44 29.11.2022

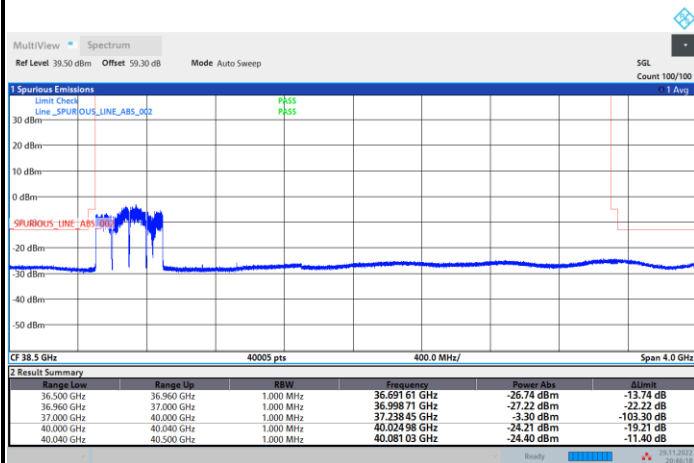
Highest Band Edge / Full RB



04:38:08 10.12.2022

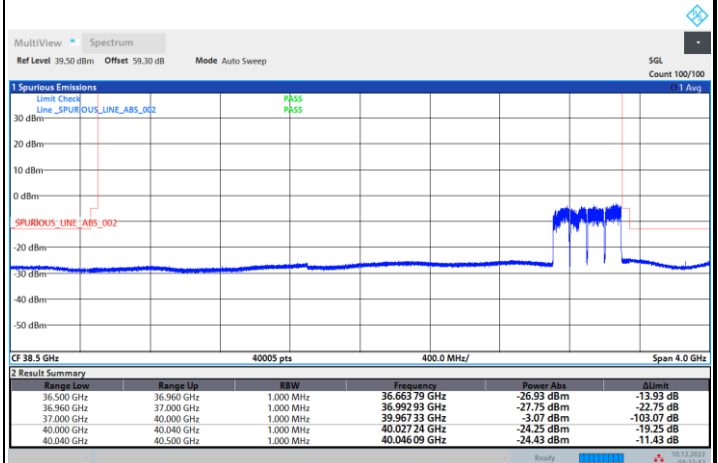
NR Band n260 / 400MHz / 16QAM

Lowest Band Edge / Full RB



20:46:18 29.11.2022

Highest Band Edge / Full RB



04:32:43 10.12.2022

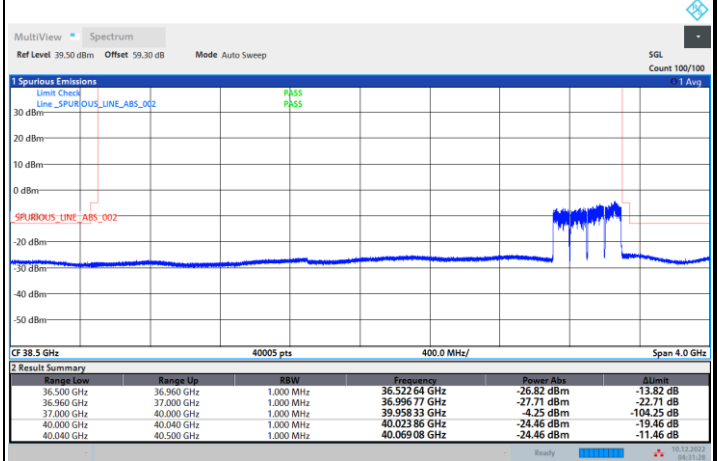
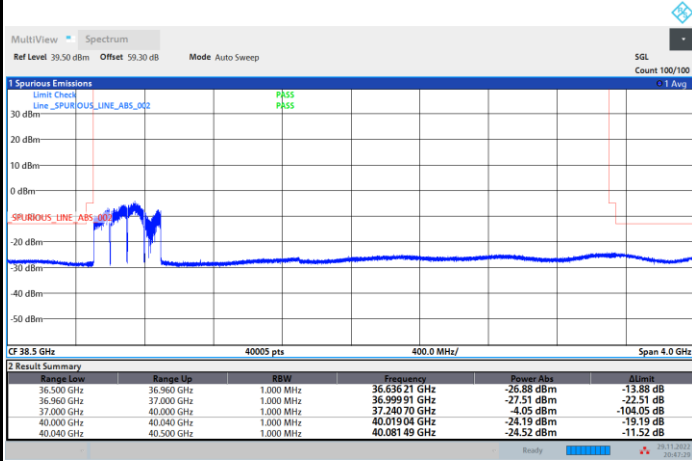


DFT-s-OFDM Module A

NR Band n260 / 400MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

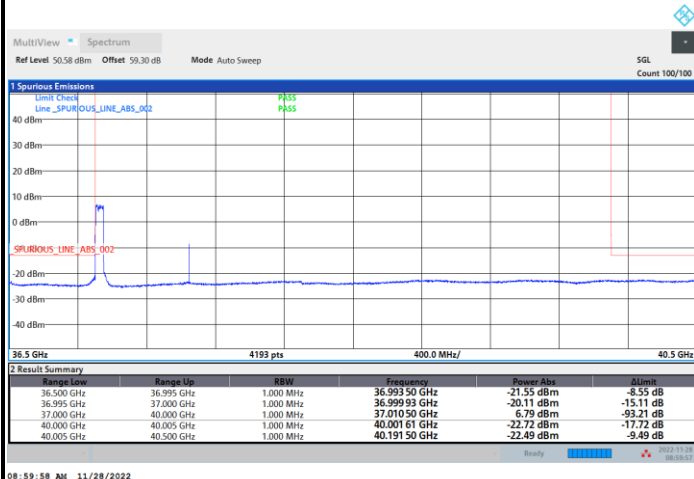




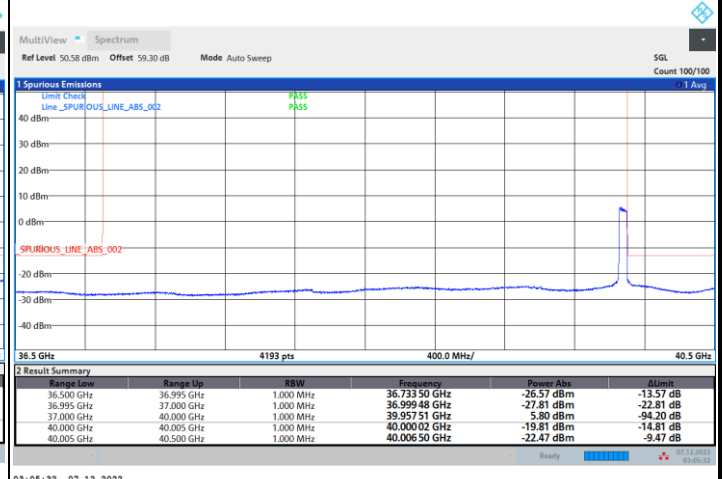
CP-OFDM Module A

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

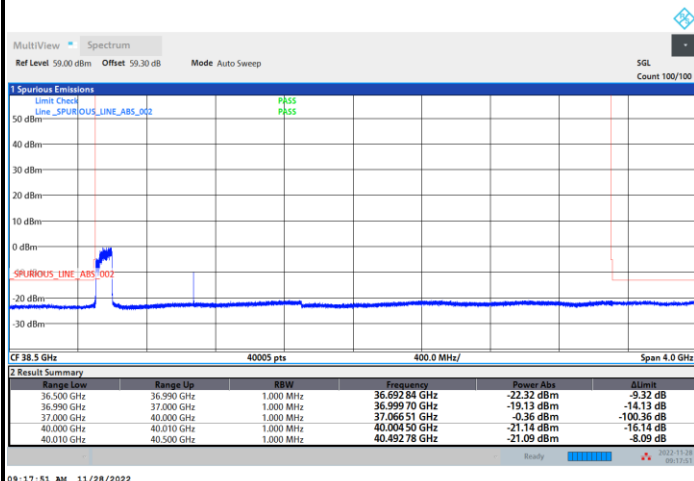


Highest Band Edge / Full RB

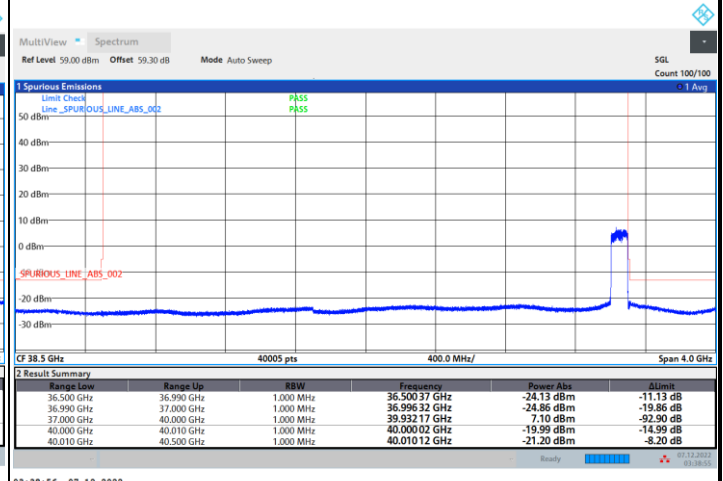


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

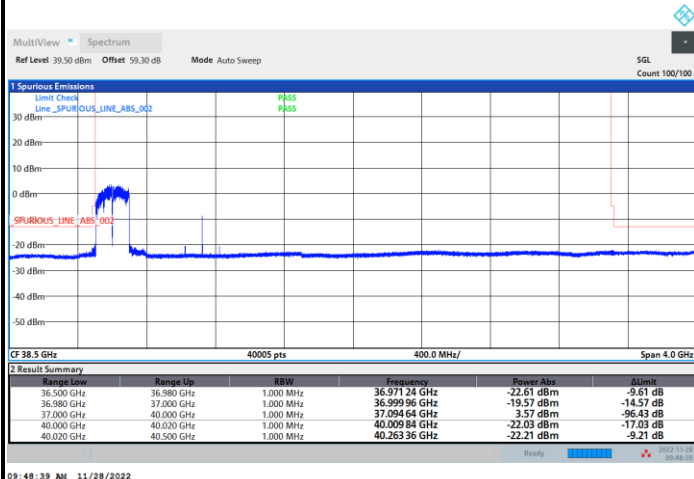




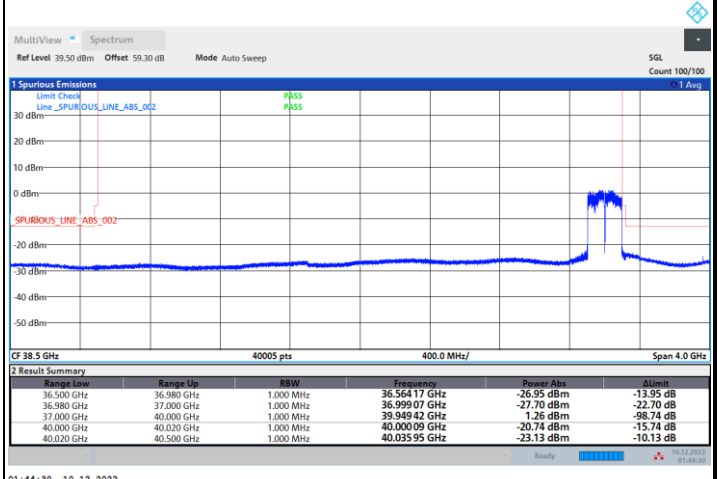
CP-OFDM Module A

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB

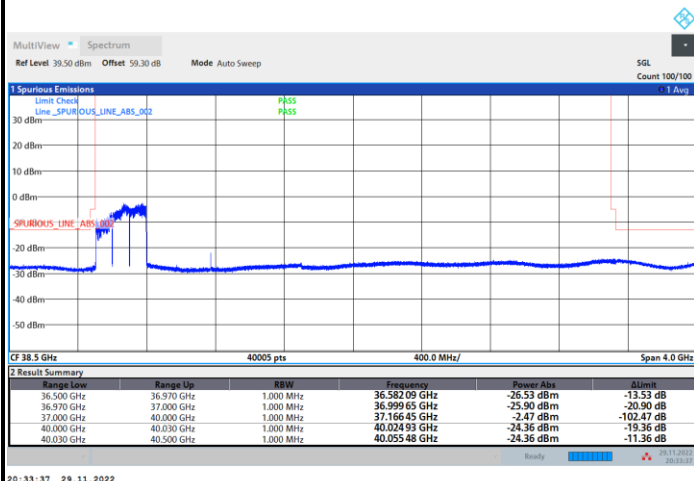


Highest Band Edge / Full RB

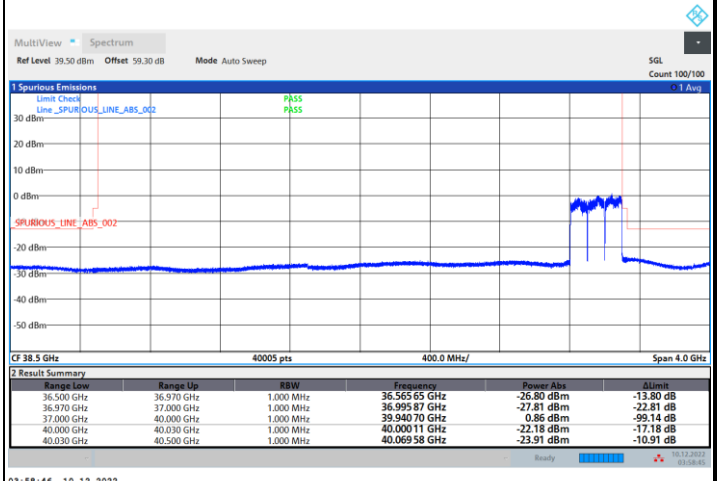


NR Band n260 / 300MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





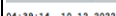
CP-OFDM Module A

NR Band n260 / 400MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

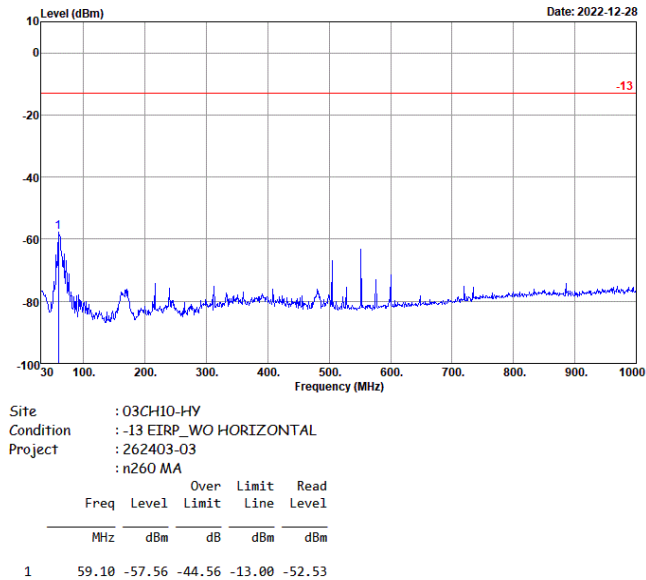




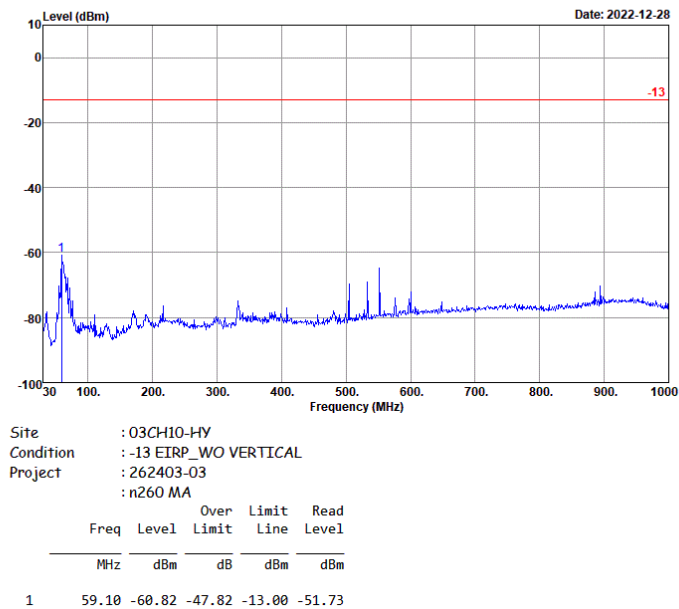
Spurious Emission

NR Band n260 (30MHz-1GHz)

Horizontal



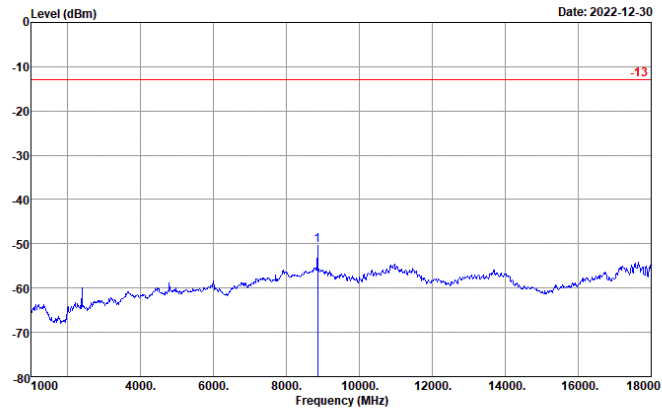
Vertical





NR Band n260 (1GHz-18GHz)

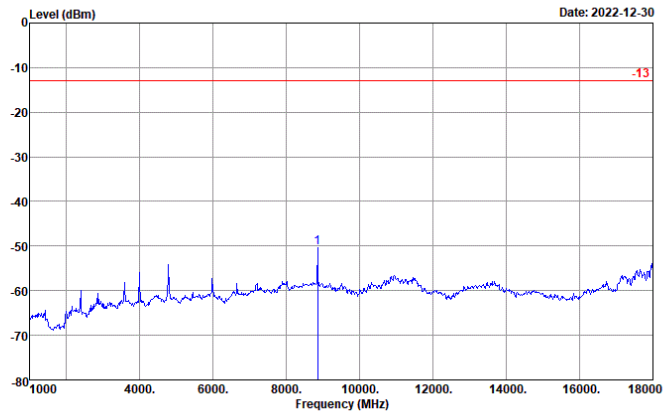
Horizontal



Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL
Project : 262403-03
: n260 MA

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	8854.00	-50.47	-37.47	-13.00	-51.39

Vertical



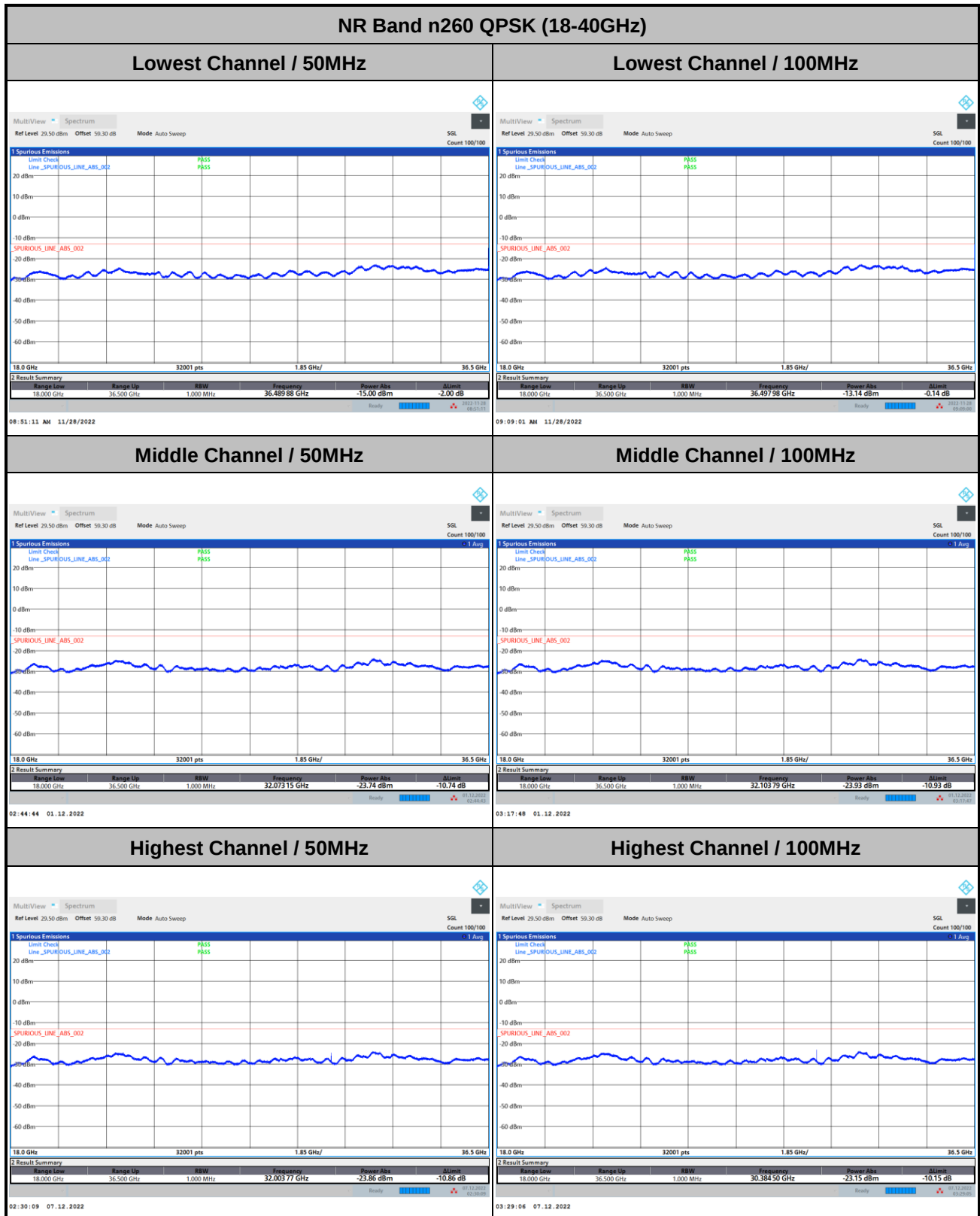
Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL
Project : 262403-03
: n260 MA

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	8854.00	-50.41	-37.41	-13.00	-50.78



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

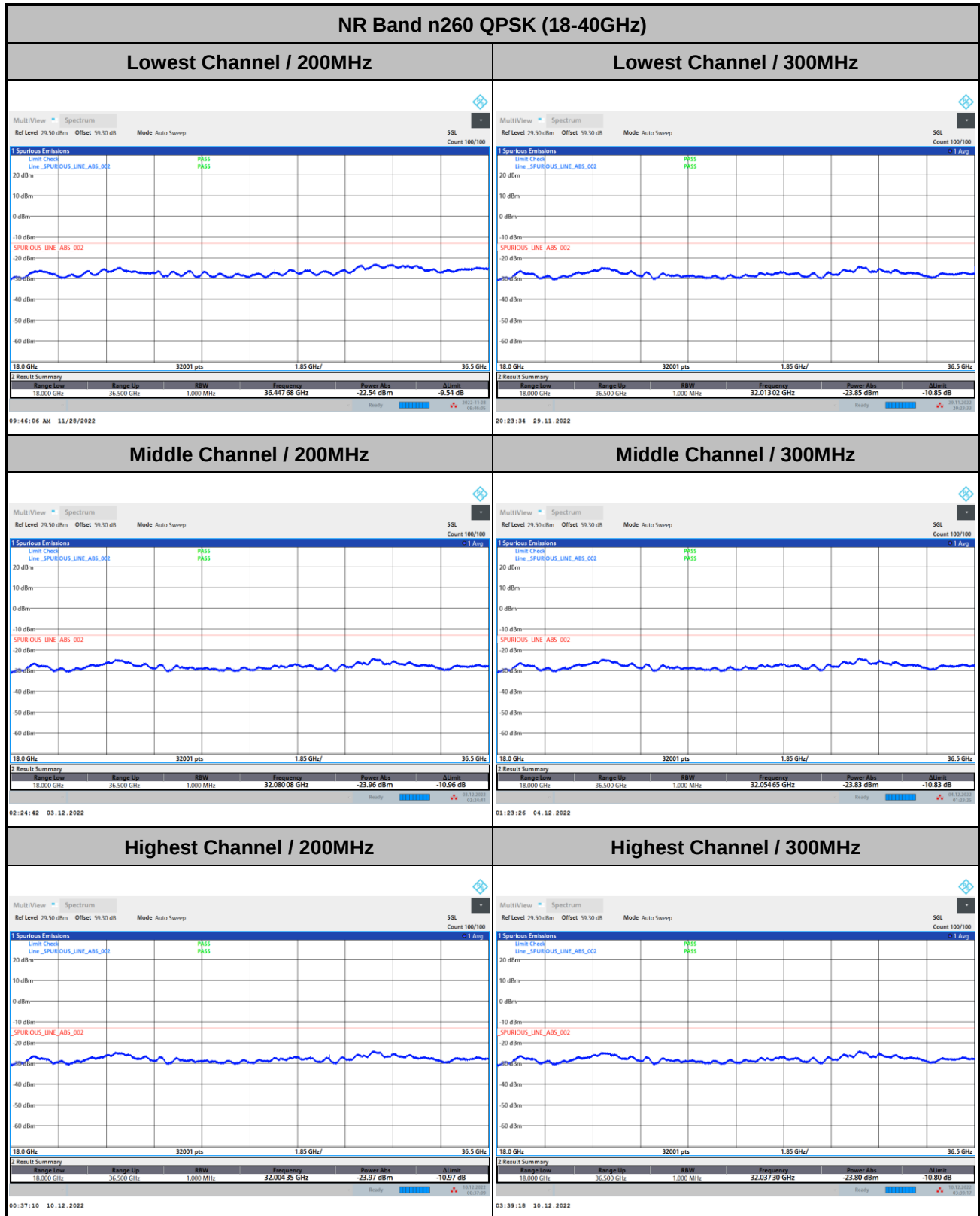
DFT-s-OFDM Module A



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



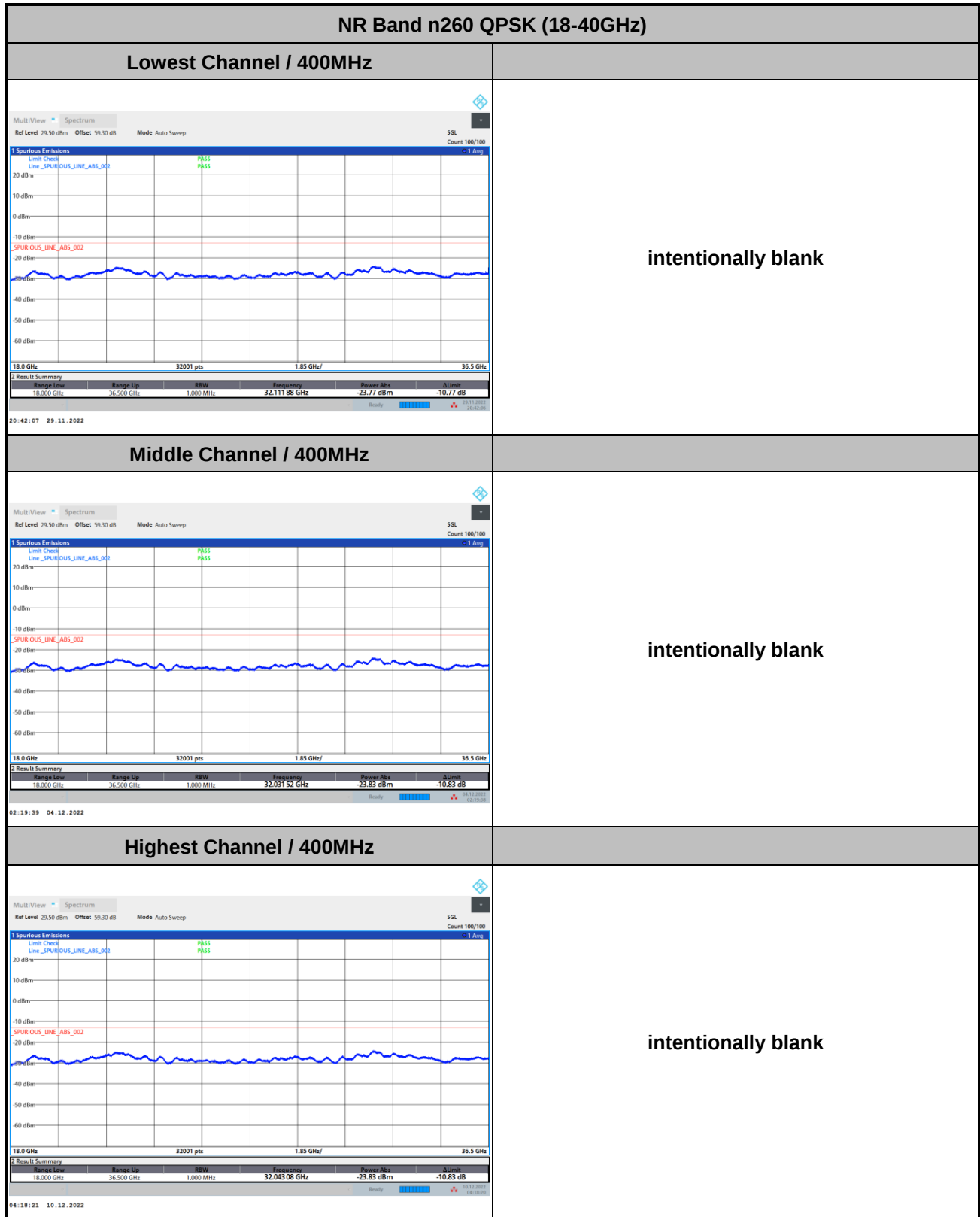
DFT-s-OFDM Module A



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



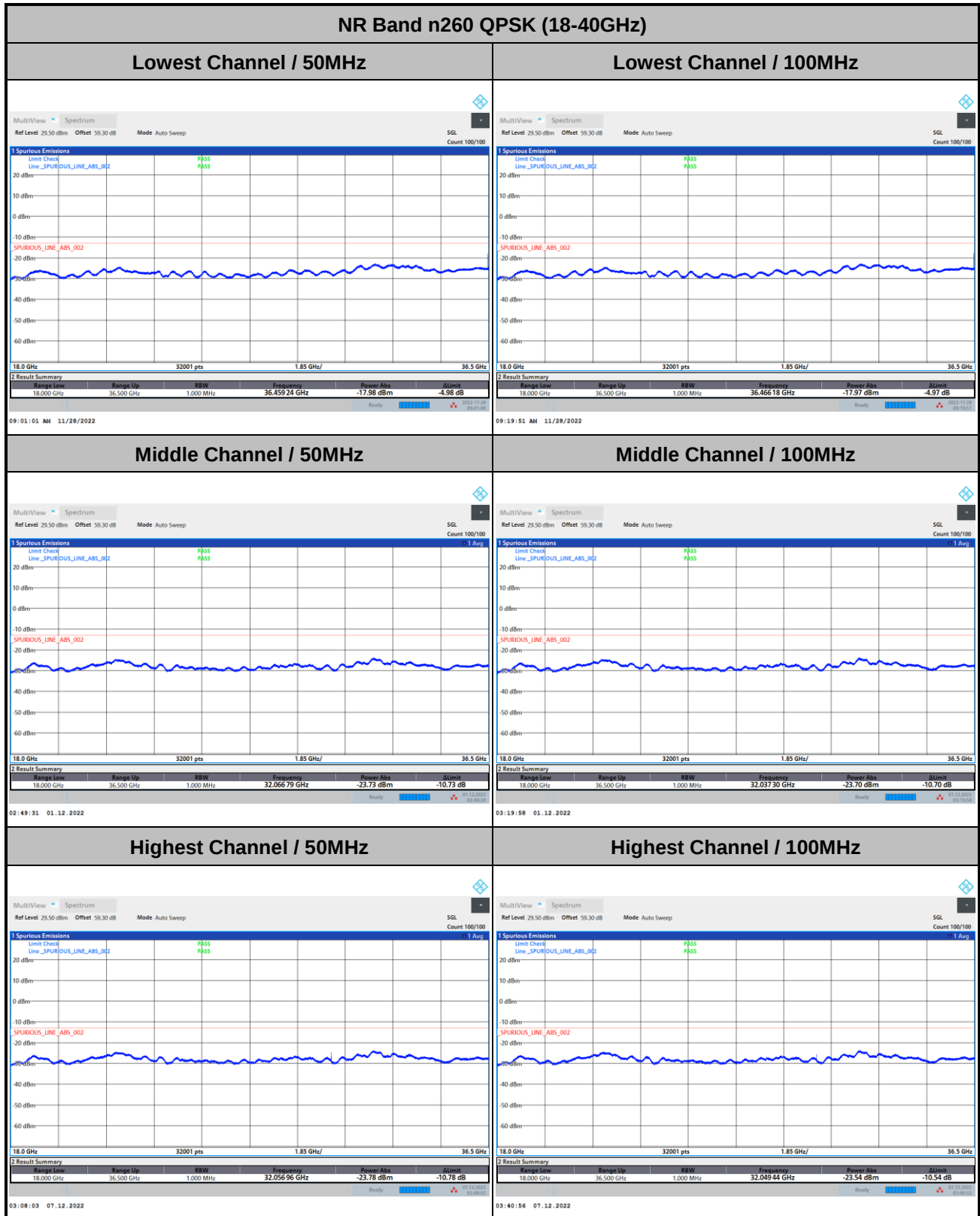
DFT-s-OFDM Module A



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



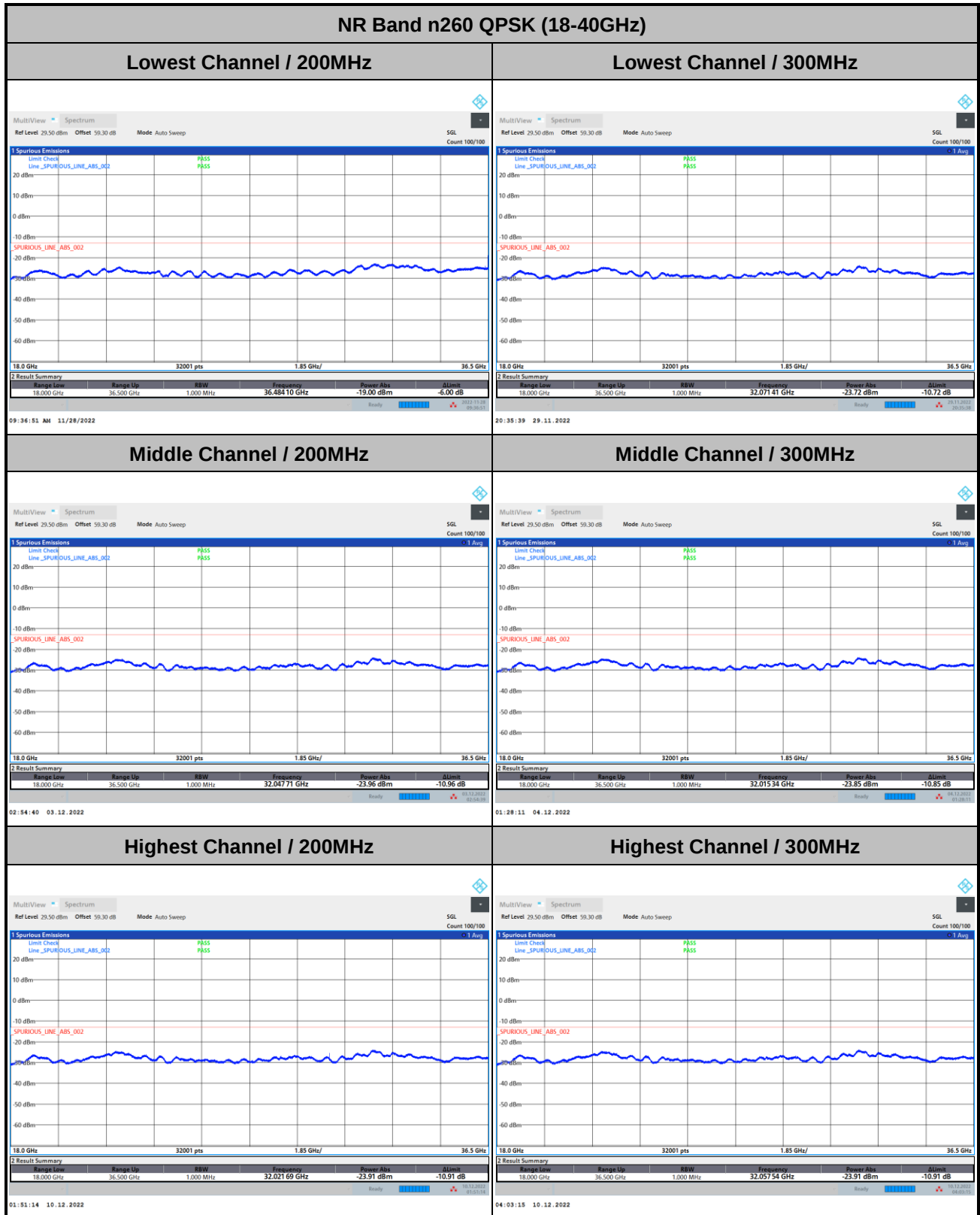
CP-OFDM Module A



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



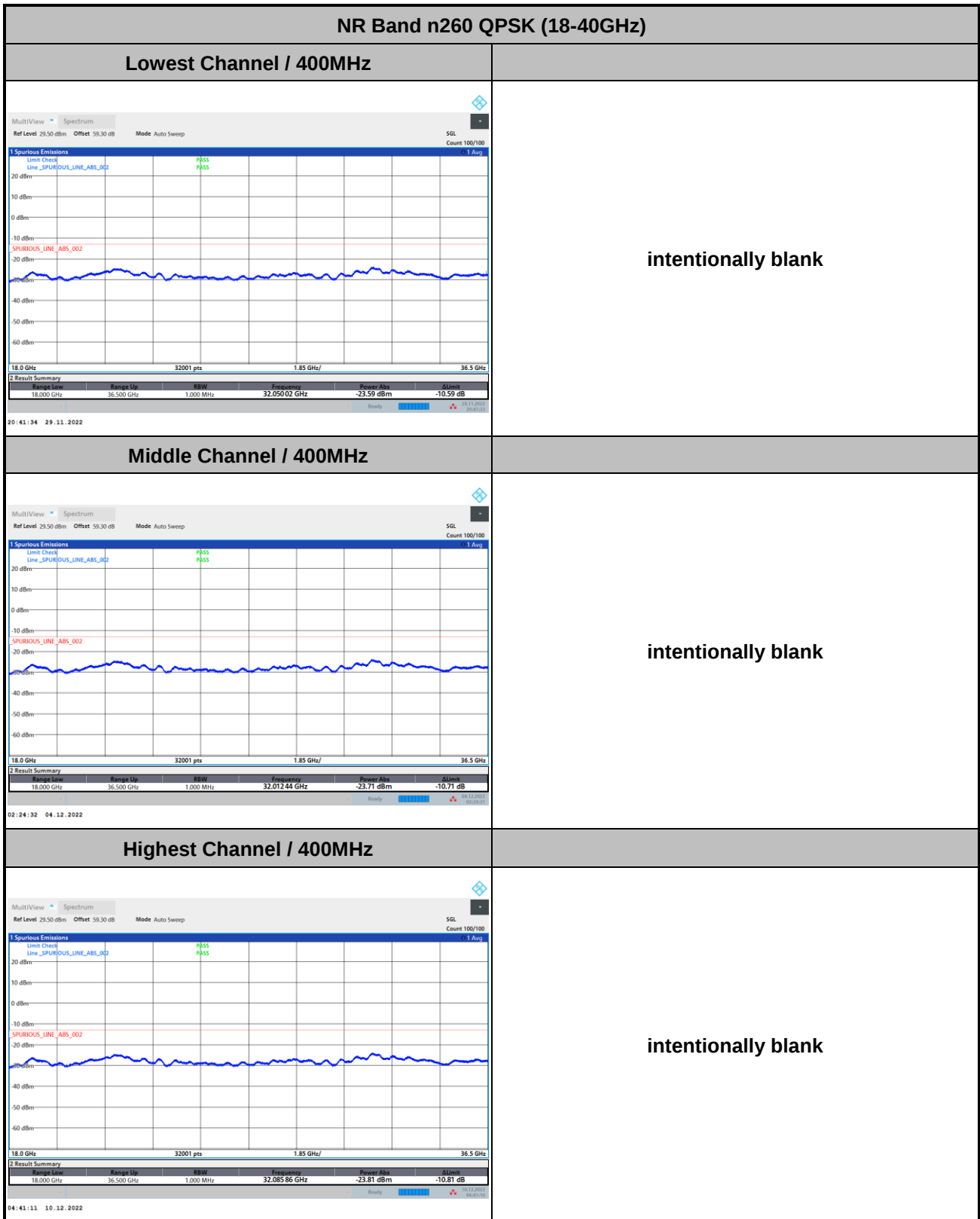
CP-OFDM Module A



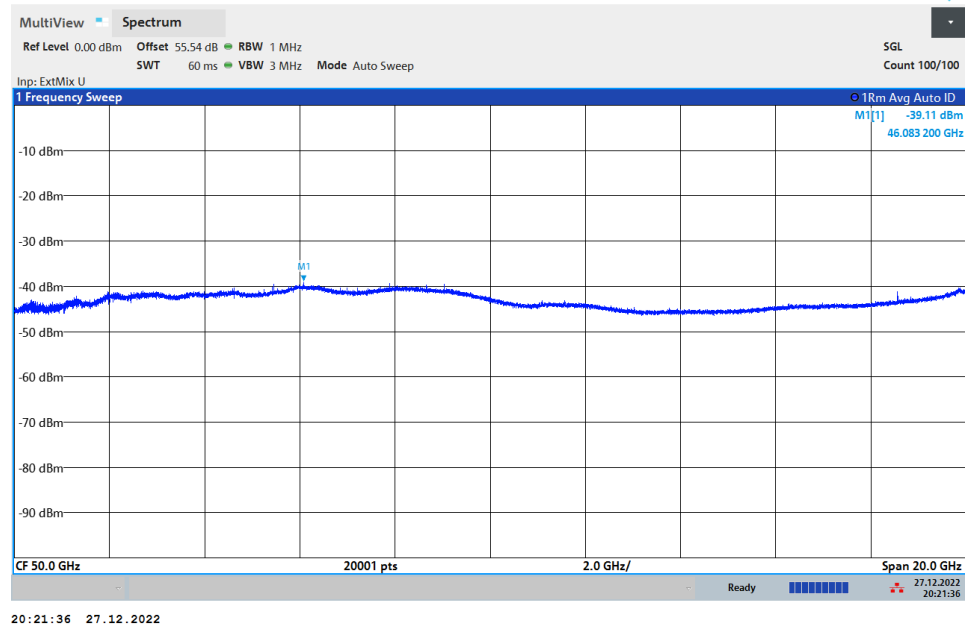
Remark: In band and out of band frequencies are omitted.



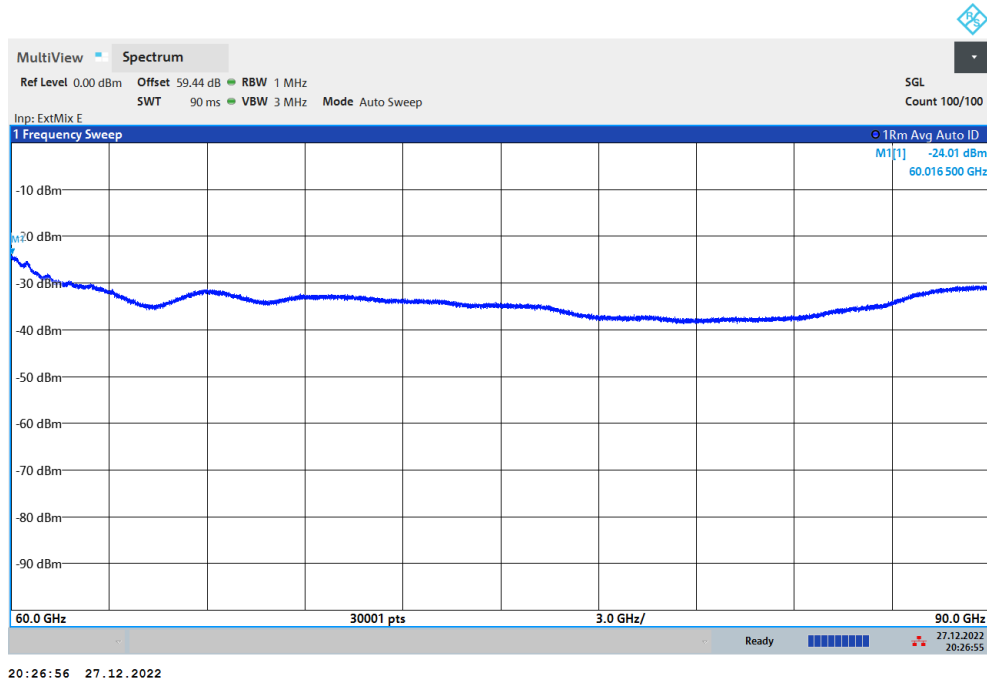
CP-OFDM Module A



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

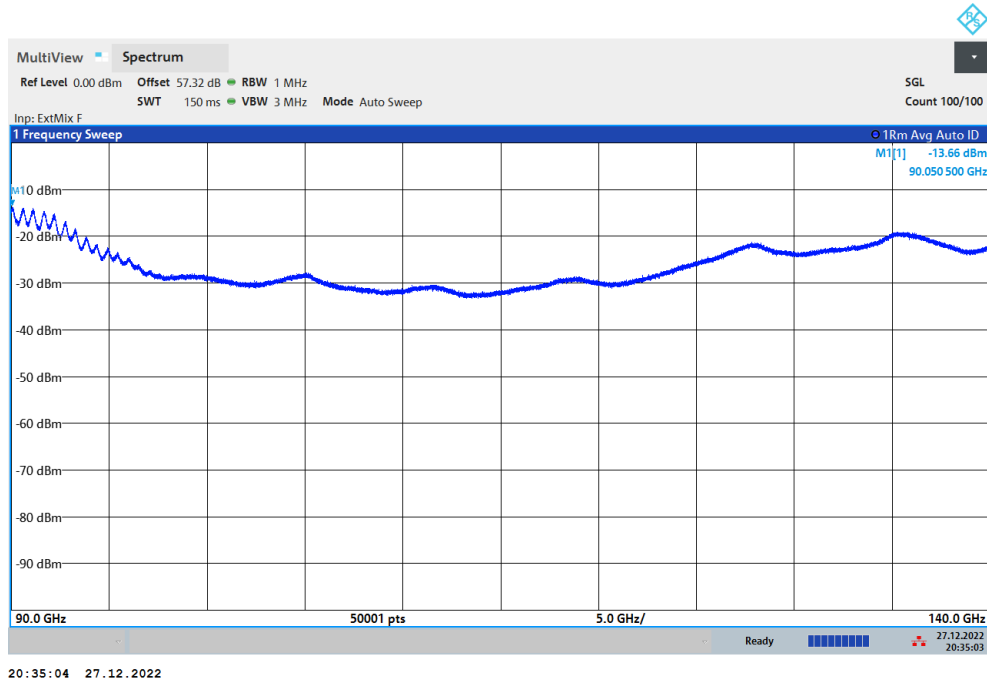
NR Band n260
(40GHz-60GHz)


$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + \text{Duty Factor} \\ &= 43 + 0.43 + 107 + 20\log(1) - 104.8 + 9.91 = 55.54(\text{dB}) \end{aligned}$$

NR Band n260
(60GHz-90GHz)


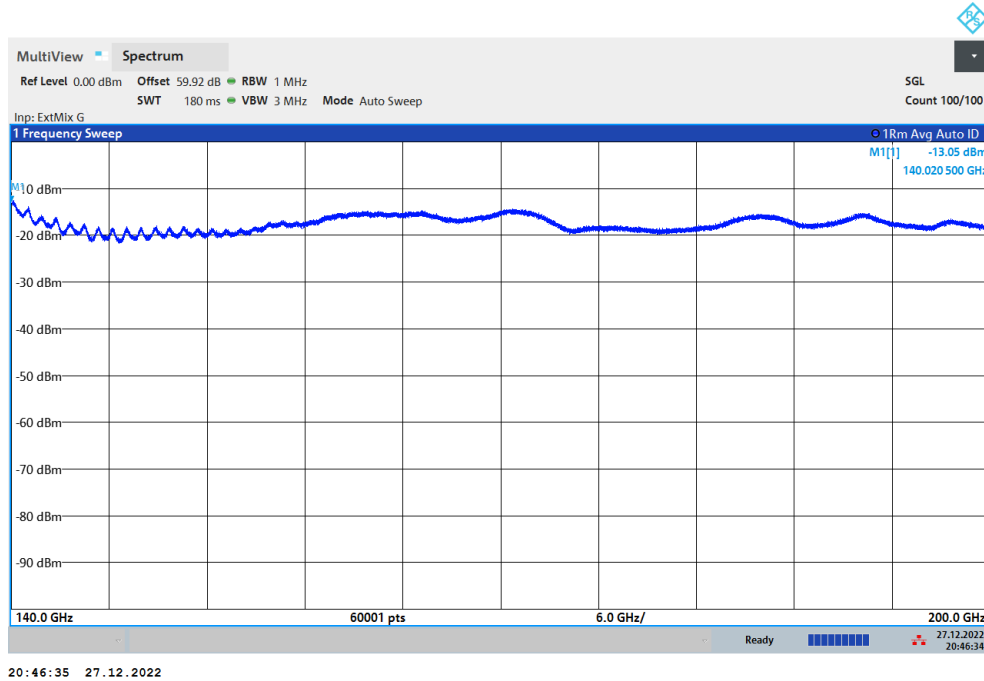
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + \text{Duty Factor}$$

$$= 46.9 + 0.43 + 107 + 20\log(1) - 104.8 + 9.91 = 59.44 \text{ (dB)}$$

NR Band n260
(90GHz-140GHz)


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

$$= 50.80 + 0.43 + 107 + 20\log(0.5) - 104.8 + 9.91 = 57.32 \text{ (dB)}$$

NR Band n260
(140GHz-200GHz)


$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 + \text{Duty Factor} \\ &= 53.4 + 0.43 + 107 + 20\log(0.5) - 104.8 + 9.91 = 59.92(\text{dB}) \end{aligned}$$

Frequency Stability

Test Conditions		NR Band n260 / Middle Channel			Limit
Temperature (°C)	Voltage (Volt)	CW tone			Note 2.
		Frequency (GHz)	Deviation (kHz)	Deviation (ppm)	Result
50	Normal Voltage	38.499965	35.000	0.909	Pass
40	Normal Voltage	38.499977	23.000	0.597	
30	Normal Voltage	38.499997	3.000	0.078	
20(Ref.)	Normal Voltage	38.5	0.000	0.000	
10	Normal Voltage	38.500001	-1.000	0.026	
0	Normal Voltage	38.500003	-30.000	0.779	
-10	Normal Voltage	38.500041	-41.000	1.065	
-20	Normal Voltage	38.5002597	-259.700	6.745	
-30	Normal Voltage	38.5002797	-279.700	7.265	
20	Maximum Voltage	38.500002	-2.000	0.052	
20	Normal Voltage	38.500002	-2.000	0.052	
20	Battery End Point	38.500003	-3.000	0.078	

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 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	46.13	45.83	45.72	91.01	91.24	91.28	189.92	189.95	190.34
Middle CH	45.88	45.85	45.83	91.21	91.13	91.18	189.67	189.67	189.65
Highest CH	45.81	45.77	45.79	91.25	91.22	91.39	189.82	189.71	190.38

Mode	DFT-s-OFDM Module B NR Band n260 : 99%OBW(MHz)					
BW	300MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	288.40	288.76	288.61	386.57	387.19	387.52
Middle CH	288.28	287.93	288.47	387.19	386.72	388.03
Highest CH	288.78	288.82	289.62	388.25	388.48	391.63

Mode	CP-OFDM Module B NR Band n260 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	46.09	94.33	192.84
Middle CH	45.80	94.08	192.52
Highest CH	45.98	93.84	192.67

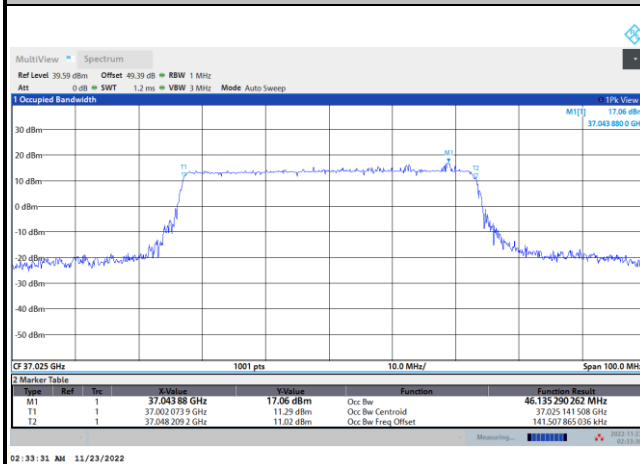
Mode	CP-OFDM Module B NR Band n260 : 99%OBW(MHz)	
BW	300MHz	400MHz
Mod.	QPSK	QPSK
Lowest CH	291.84	391.33
Middle CH	290.85	389.49
Highest CH	292.12	391.06



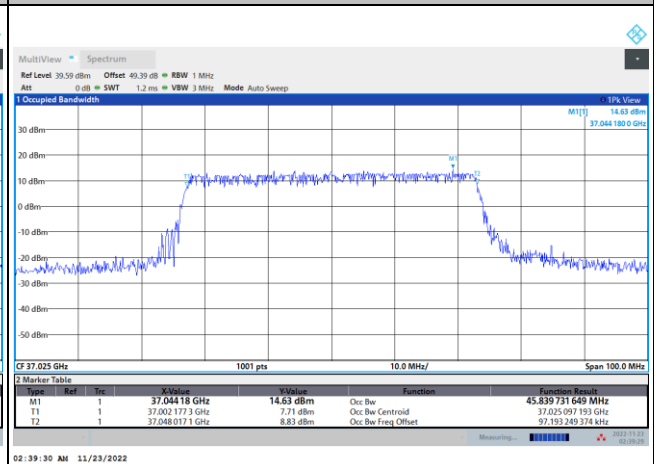
DFT-s-OFDM Module B

NR Band n260

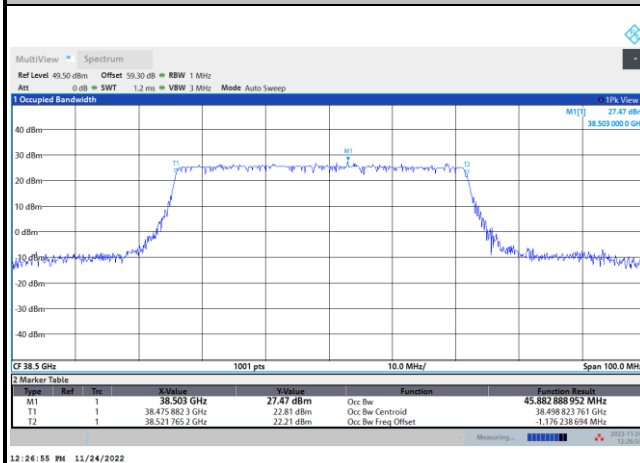
Lowest Channel / 50MHz / QPSK



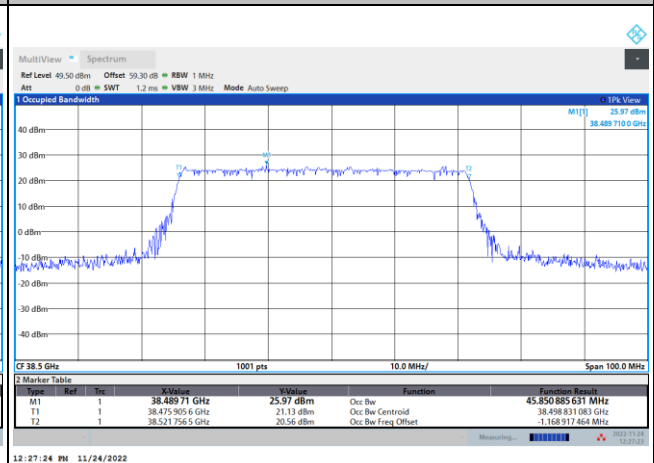
Lowest Channel / 50MHz / 16QAM



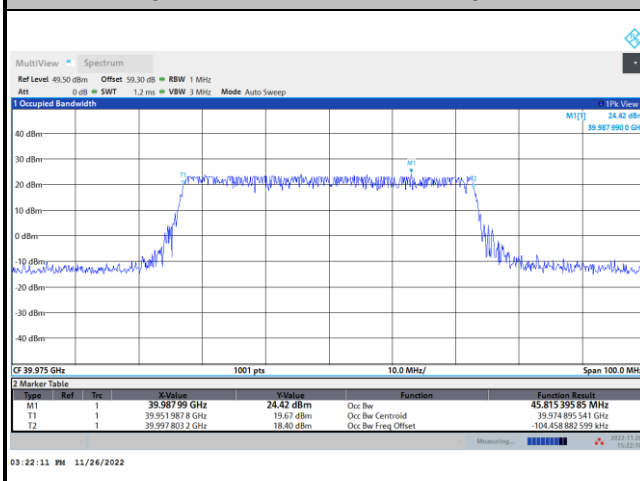
Middle Channel / 50MHz / QPSK



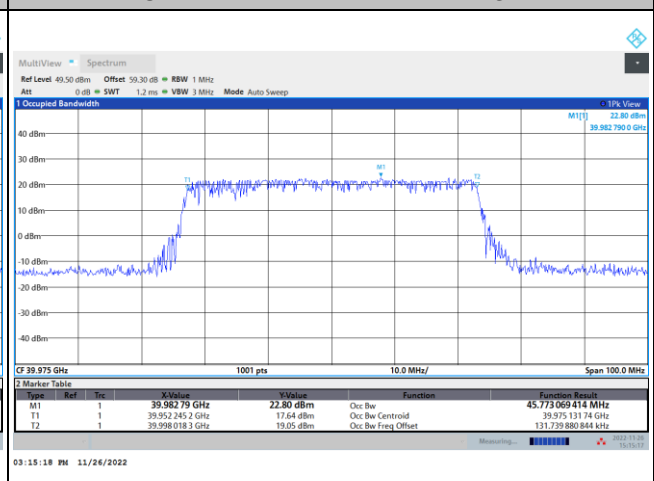
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

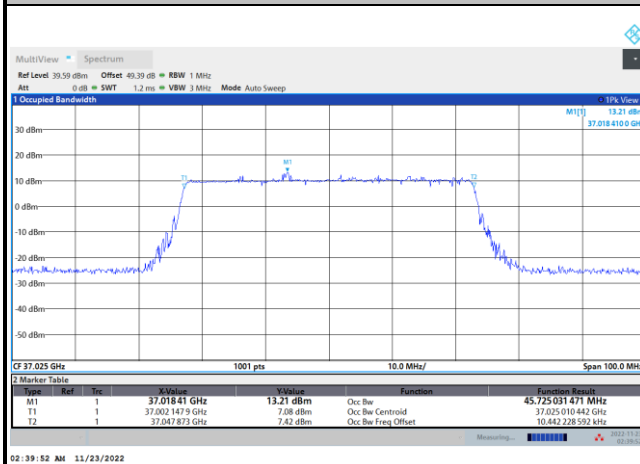




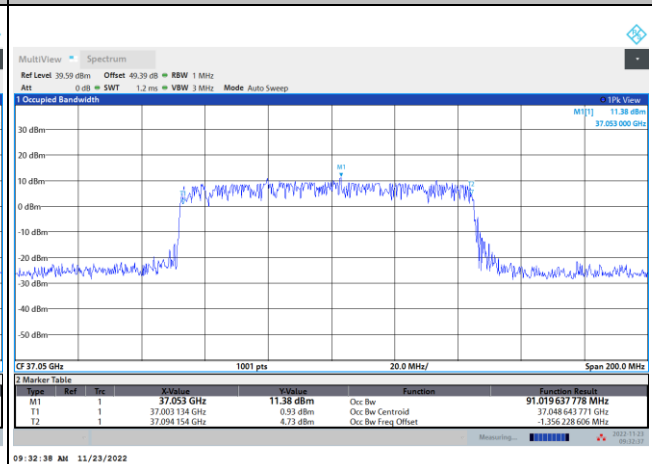
DFT-s-OFDM Module B

NR Band n260

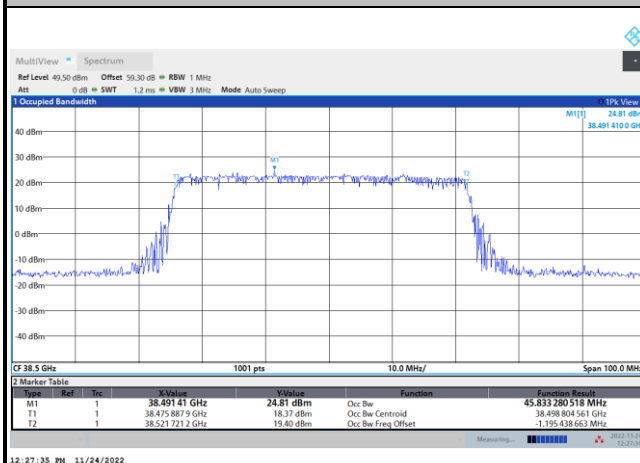
Lowest Channel / 50MHz / 64QAM



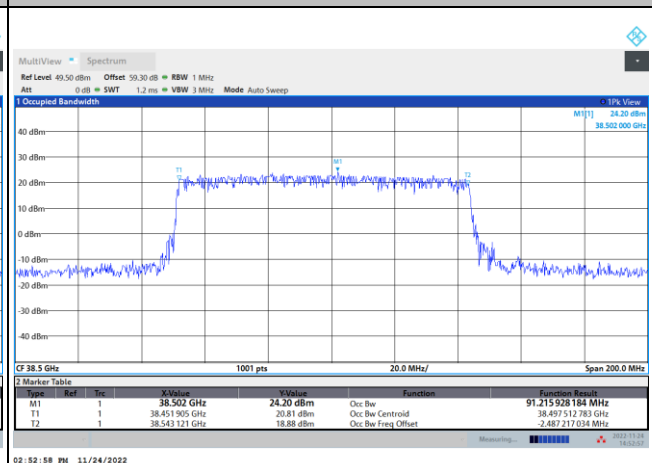
Lowest Channel / 100MHz / QPSK



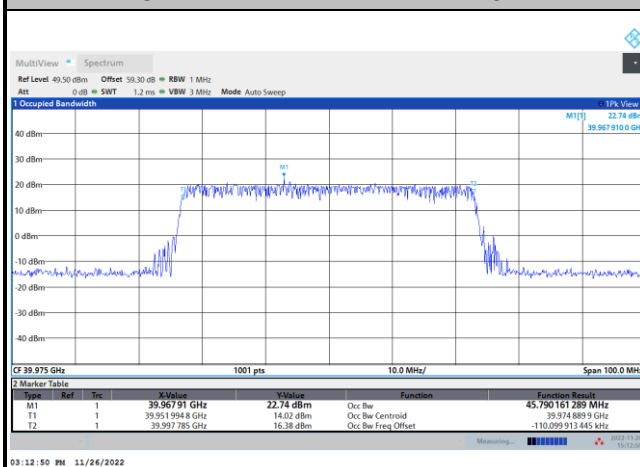
Middle Channel / 50MHz / 64QAM



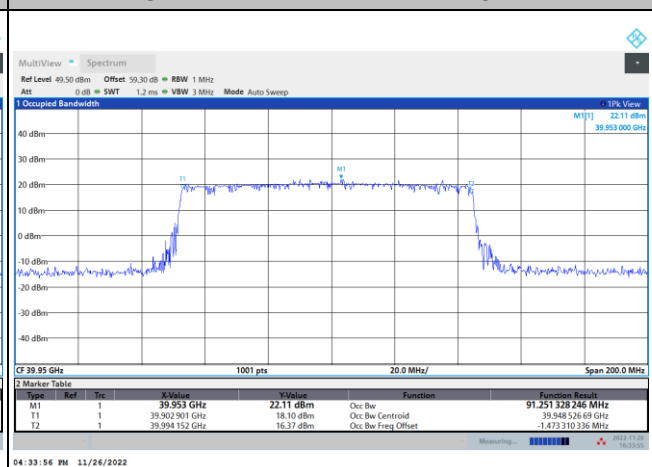
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

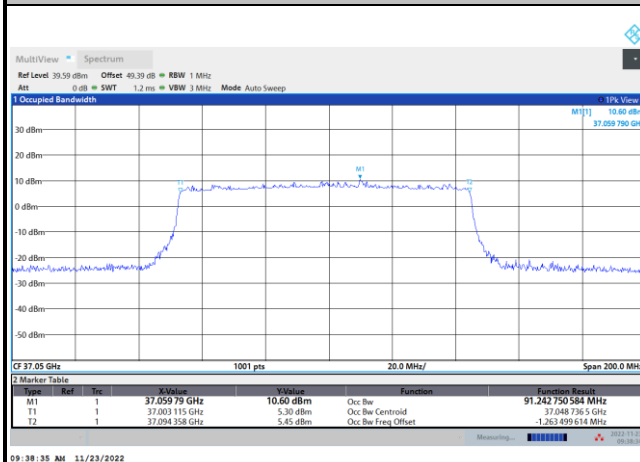




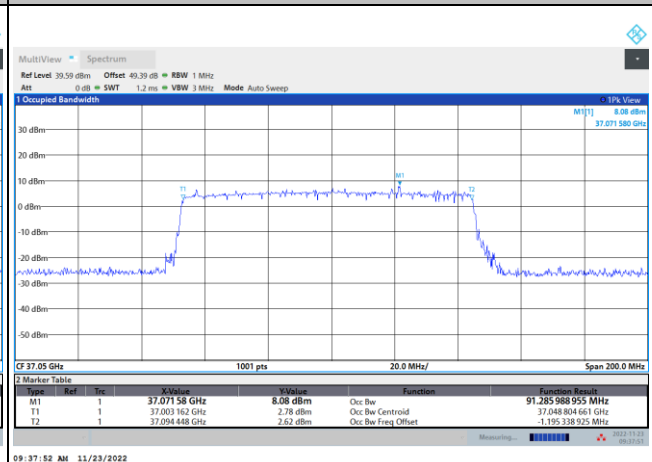
DFT-s-OFDM Module B

NR Band n260

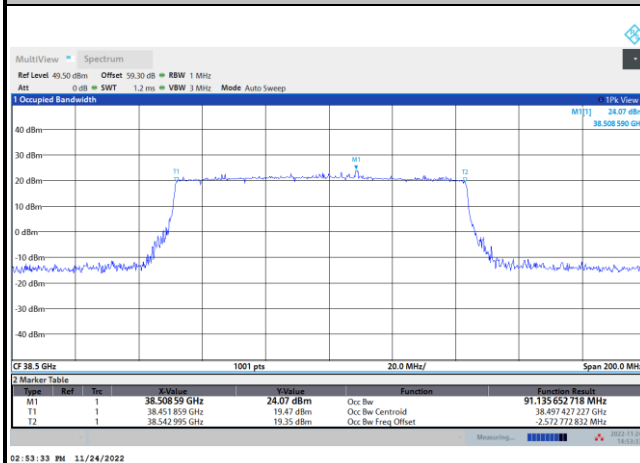
Lowest Channel / 100MHz / 16QAM



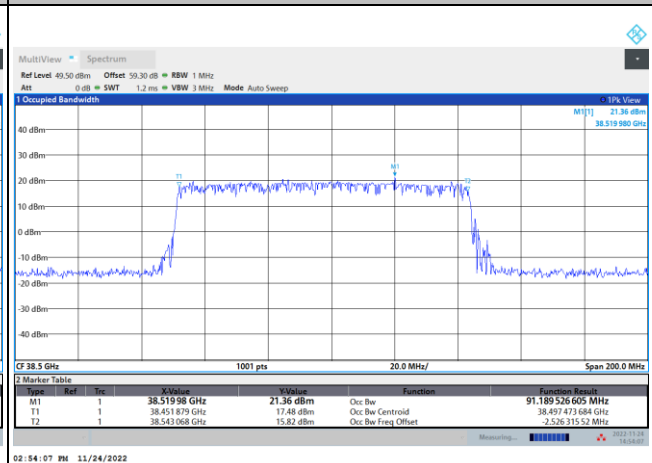
Lowest Channel / 100MHz / 64QAM



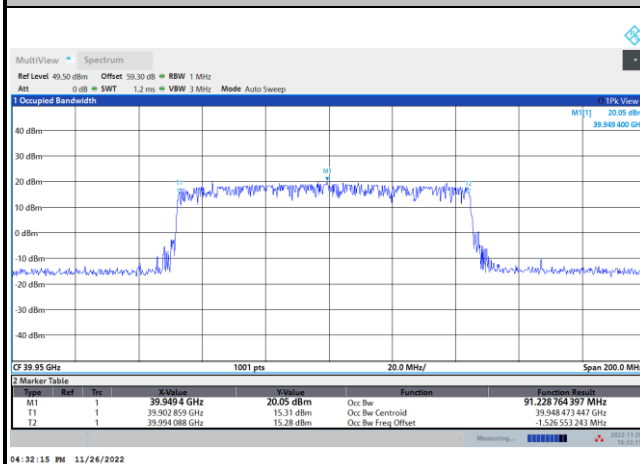
Middle Channel / 100MHz / 16QAM



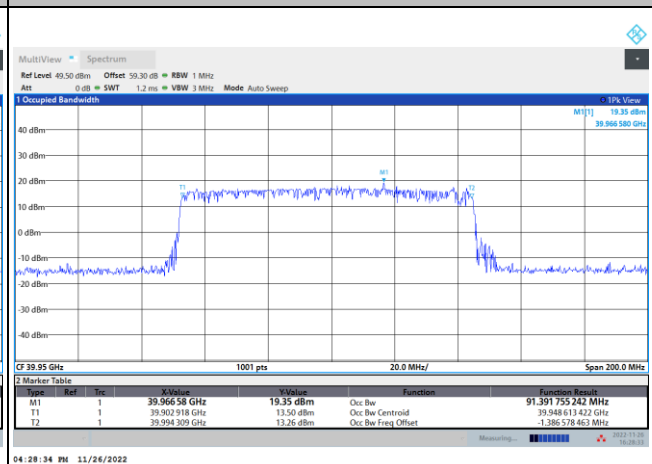
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

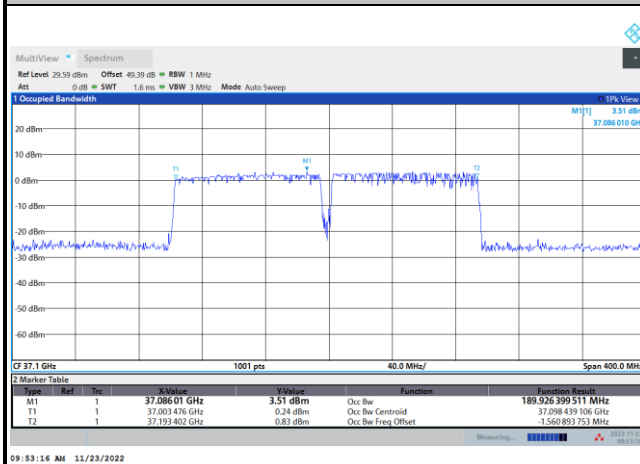




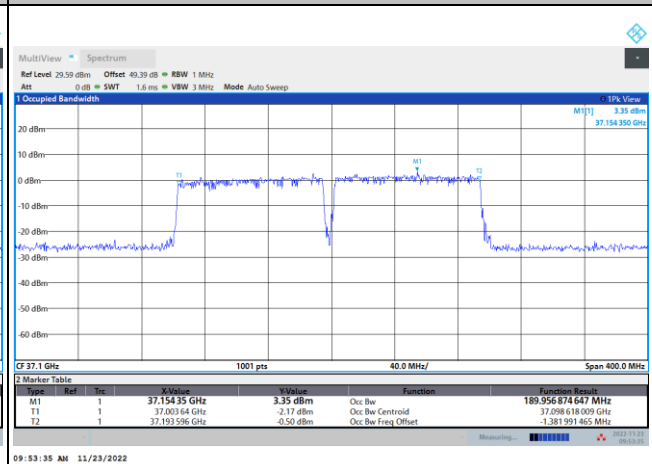
DFT-s-OFDM Module B

NR Band n260

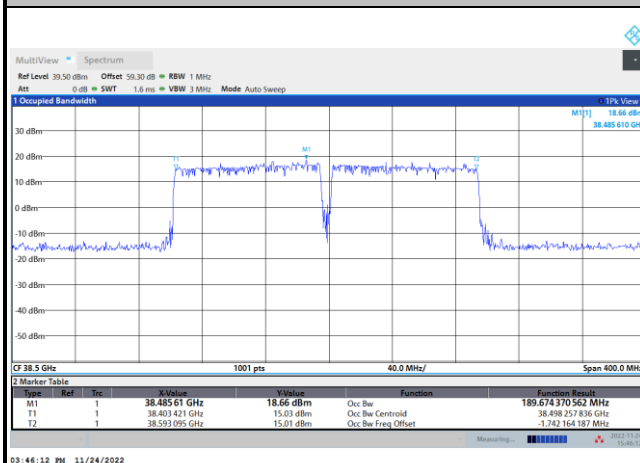
Lowest Channel / 200MHz / QPSK



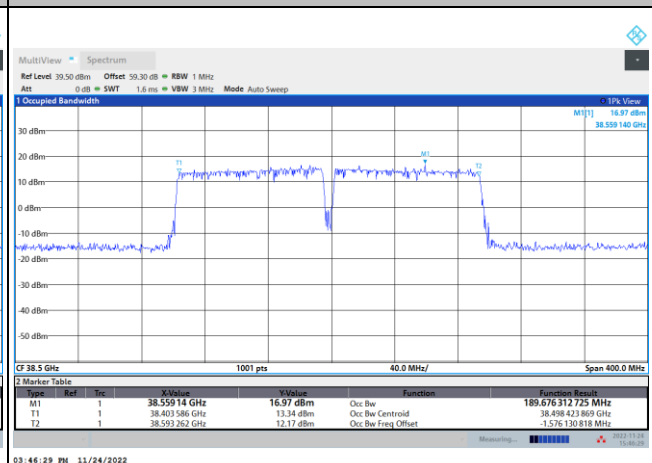
Lowest Channel / 200MHz / 16QAM



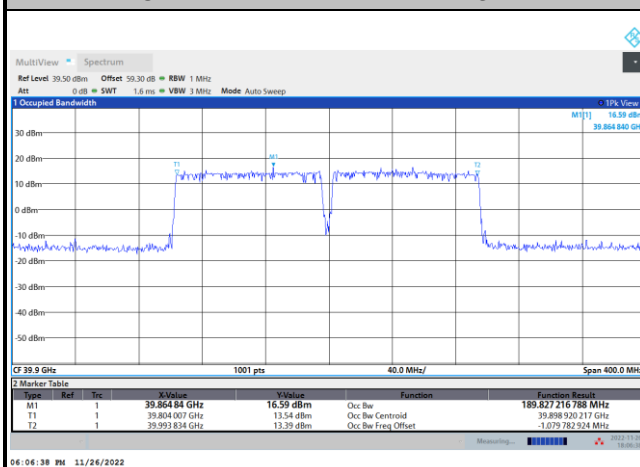
Middle Channel / 200MHz / QPSK



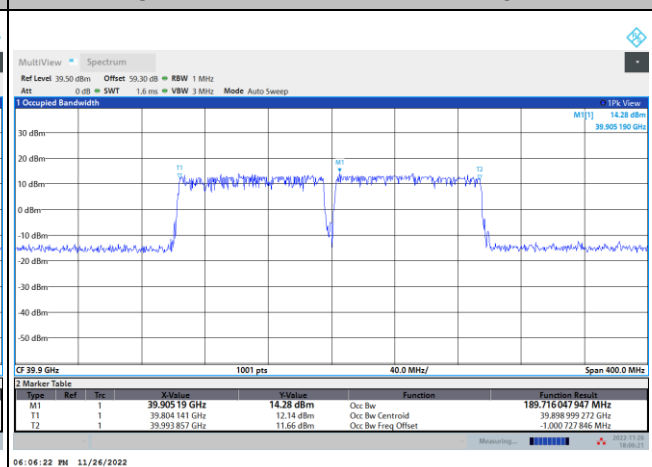
Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM

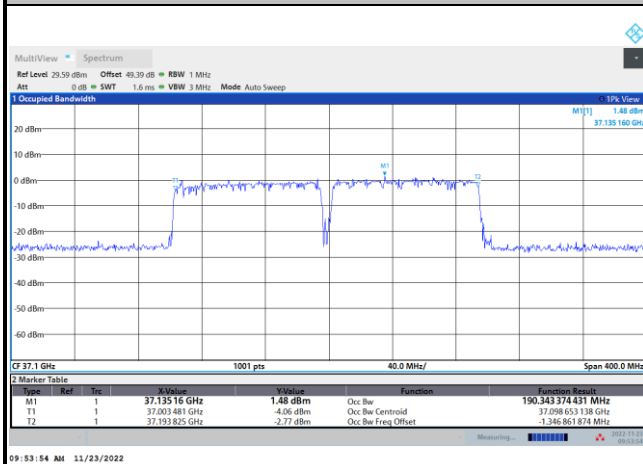




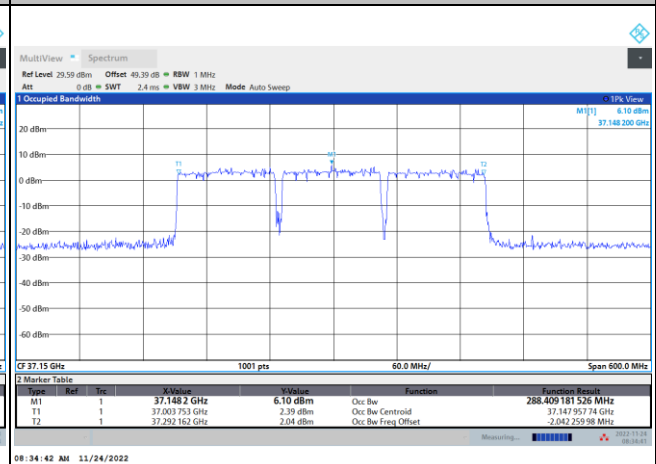
DFT-s-OFDM Module B

NR Band n260

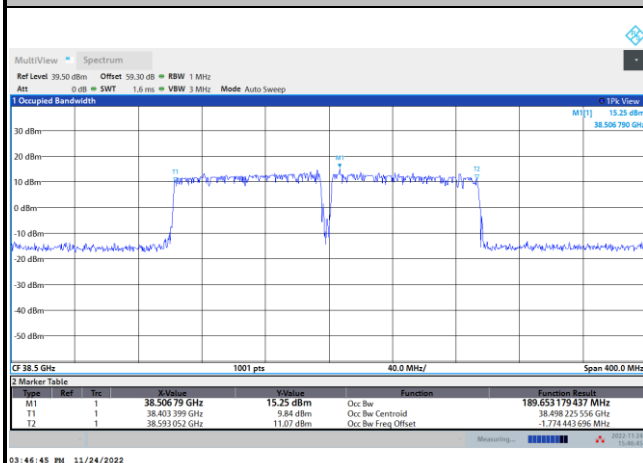
Lowest Channel / 200MHz / 64QAM



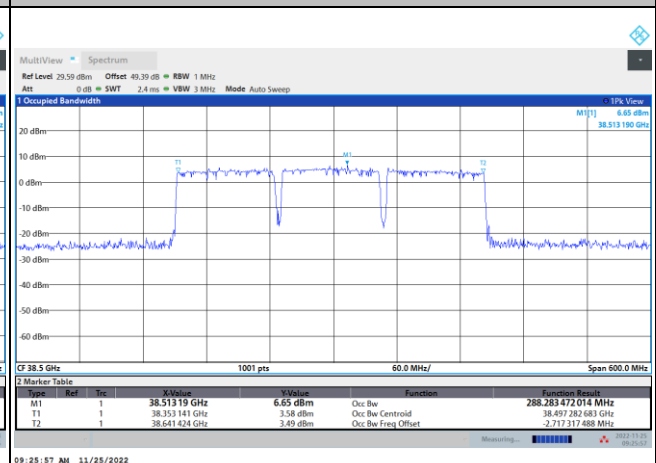
Lowest Channel / 300MHz / QPSK



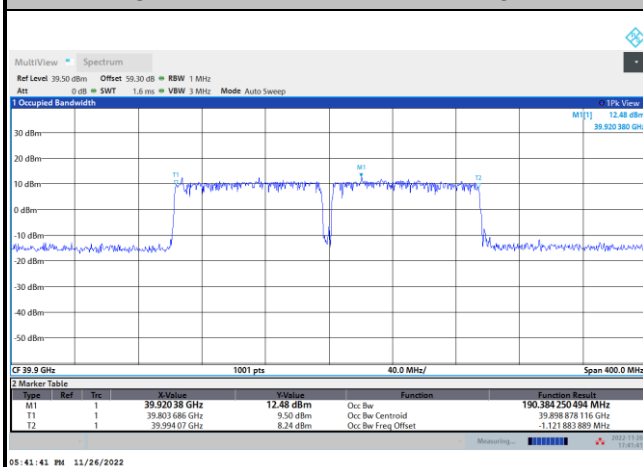
Middle Channel / 200MHz / 64QAM



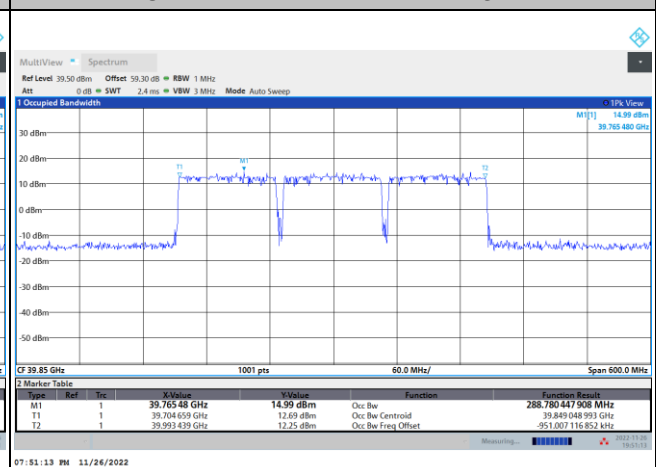
Middle Channel / 300MHz / QPSK



Highest Channel / 200MHz / 64QAM



Highest Channel / 300MHz / QPSK

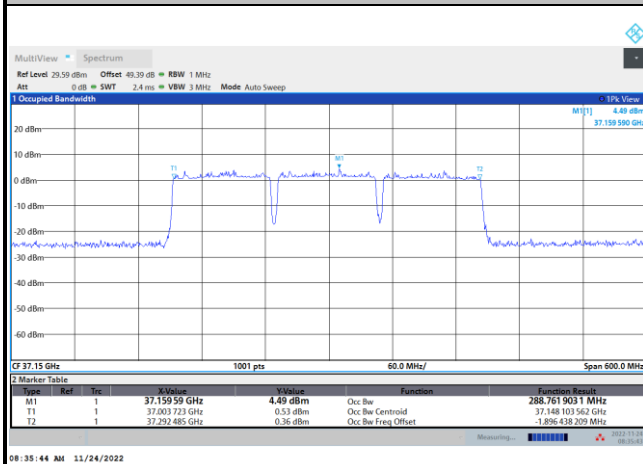




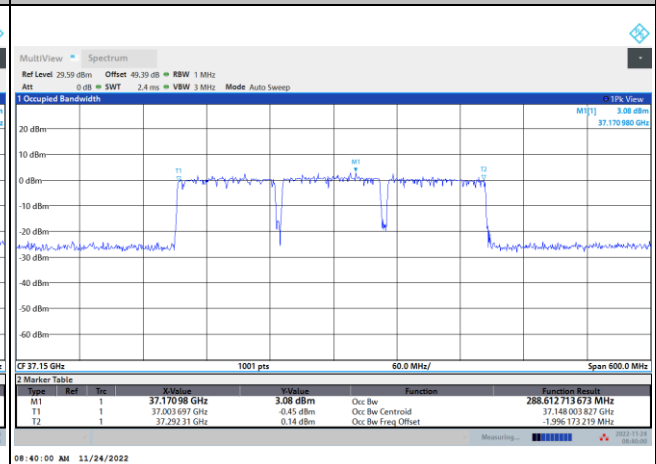
DFT-s-OFDM Module B

NR Band n260

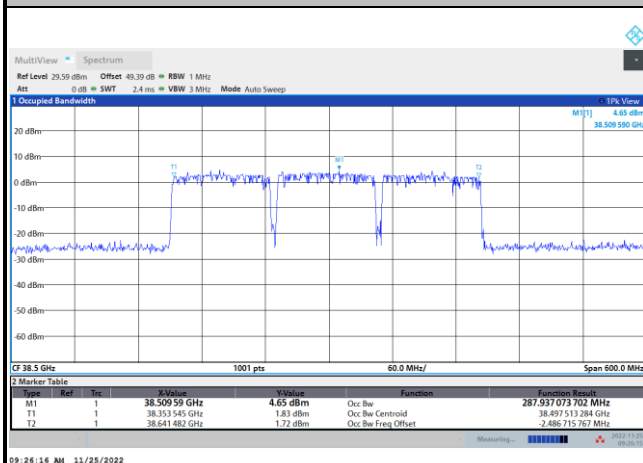
Lowest Channel / 300MHz / 16QAM



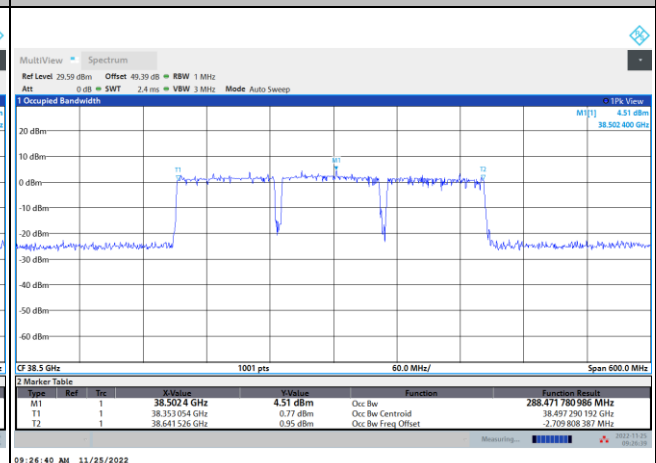
Lowest Channel / 300MHz / 64QAM



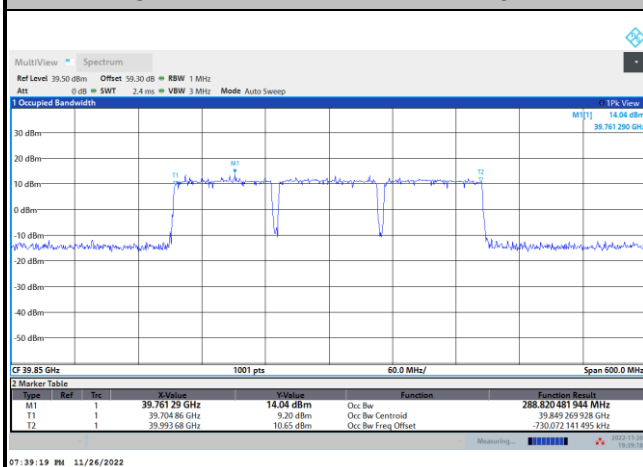
Middle Channel / 300MHz / 16QAM



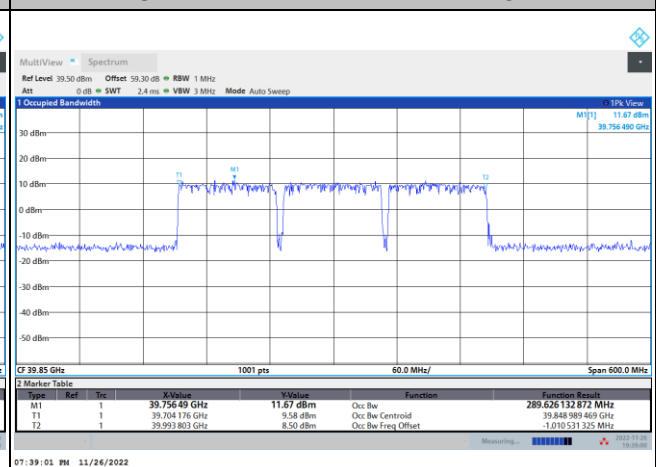
Middle Channel / 300MHz / 64QAM



Highest Channel / 300MHz / 16QAM

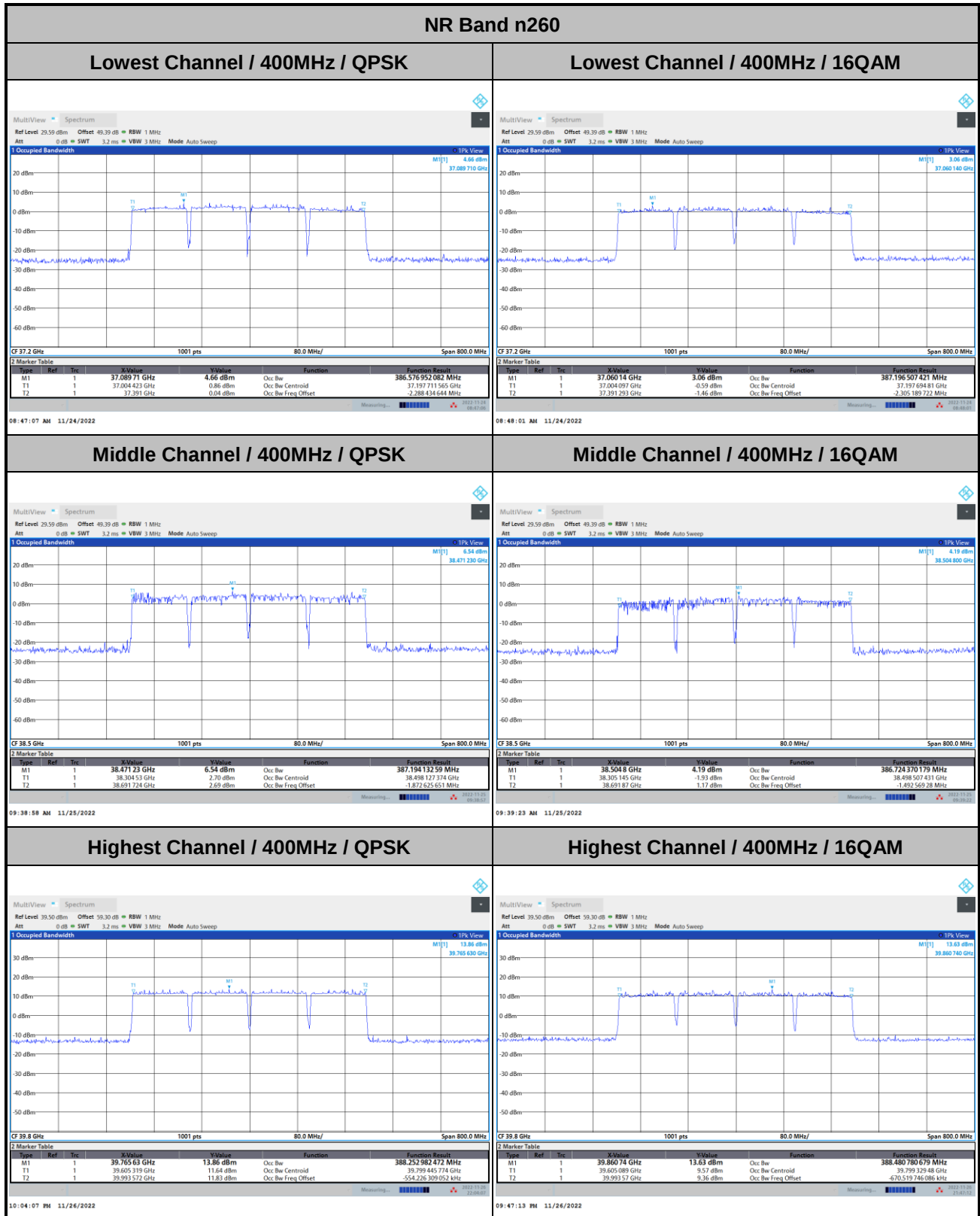


Highest Channel / 300MHz / 64QAM





DFT-s-OFDM Module B





DFT-s-OFDM Module B

