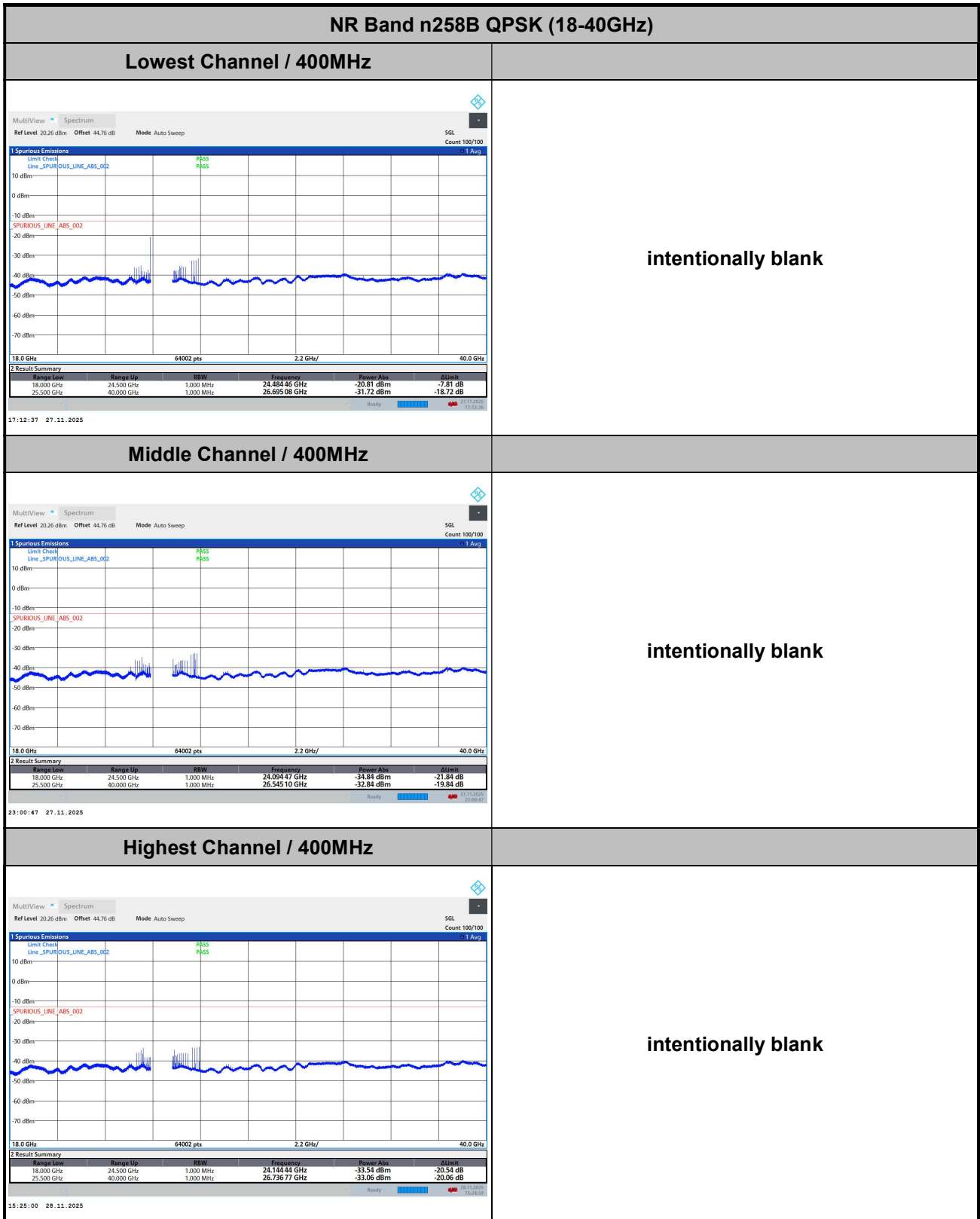




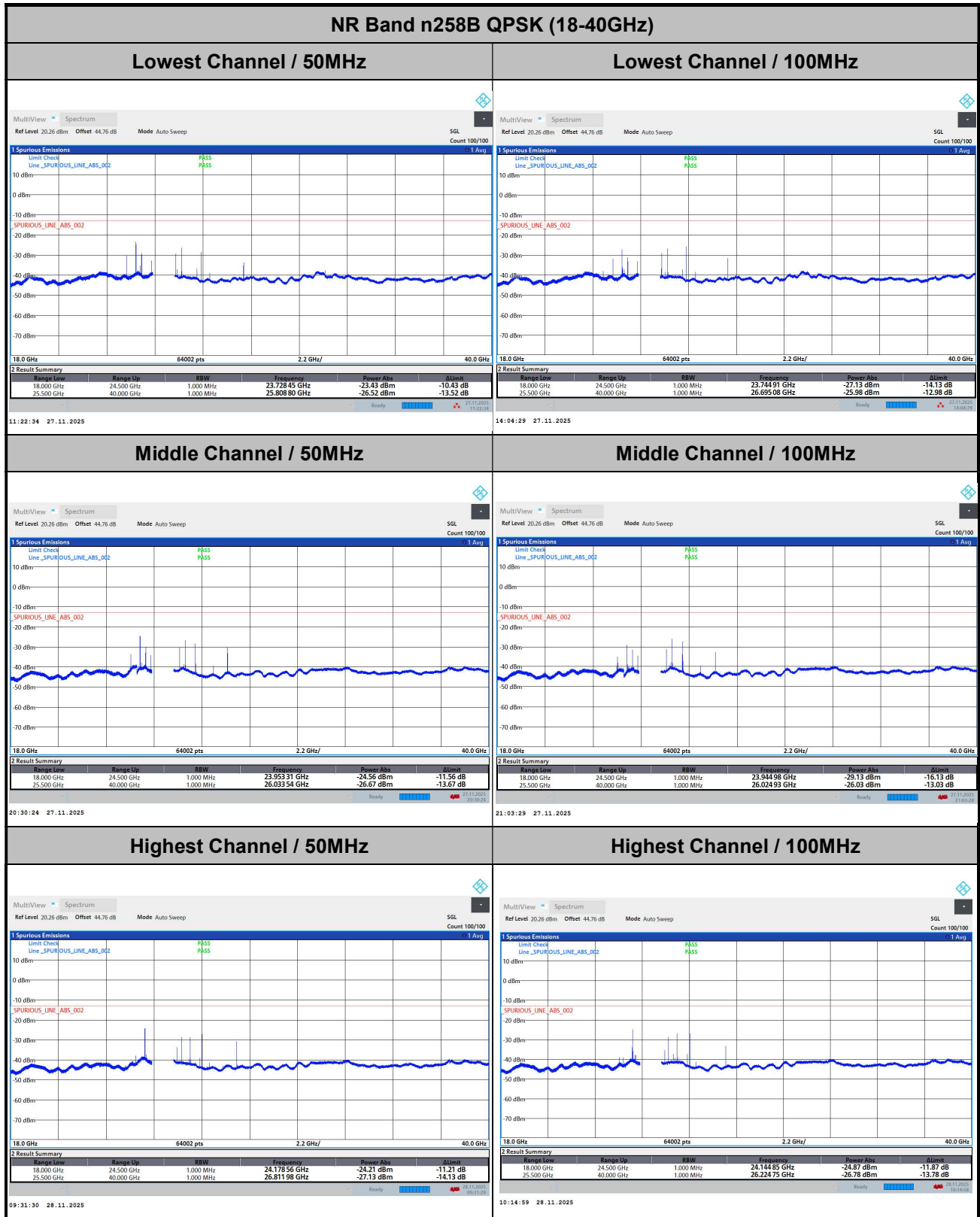
DFT-s-OFDM



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



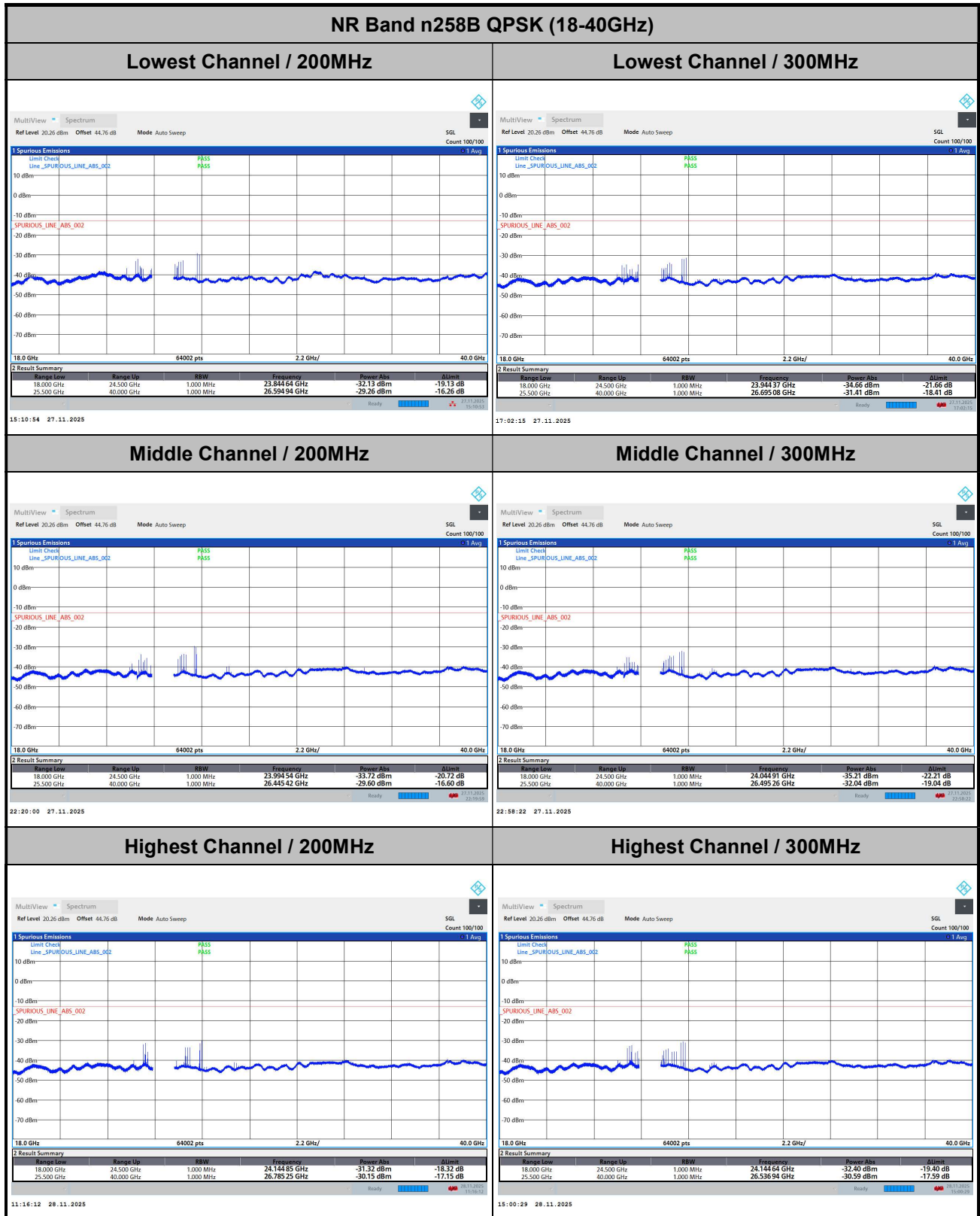
CP-OFDM



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



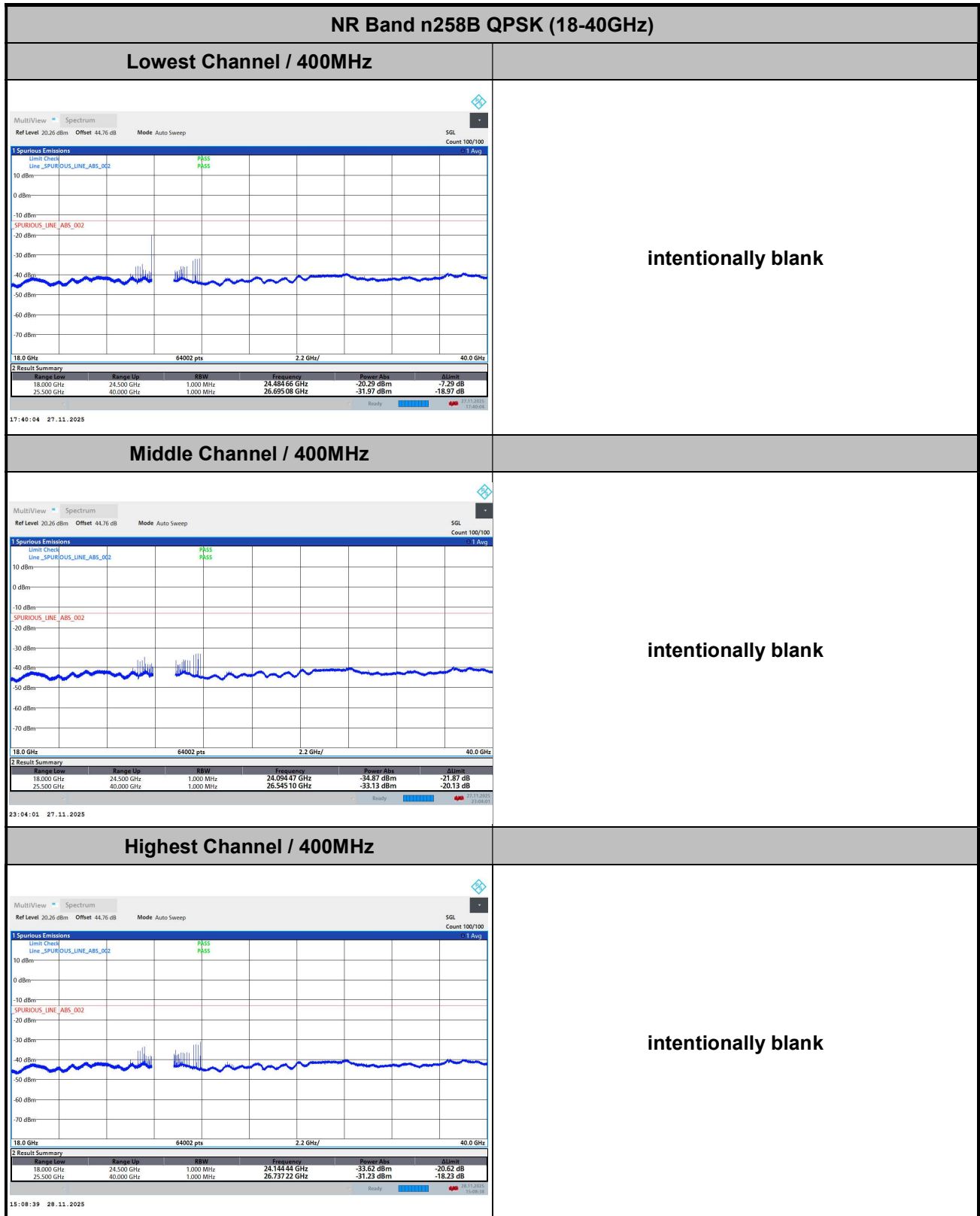
CP-OFDM



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



CP-OFDM

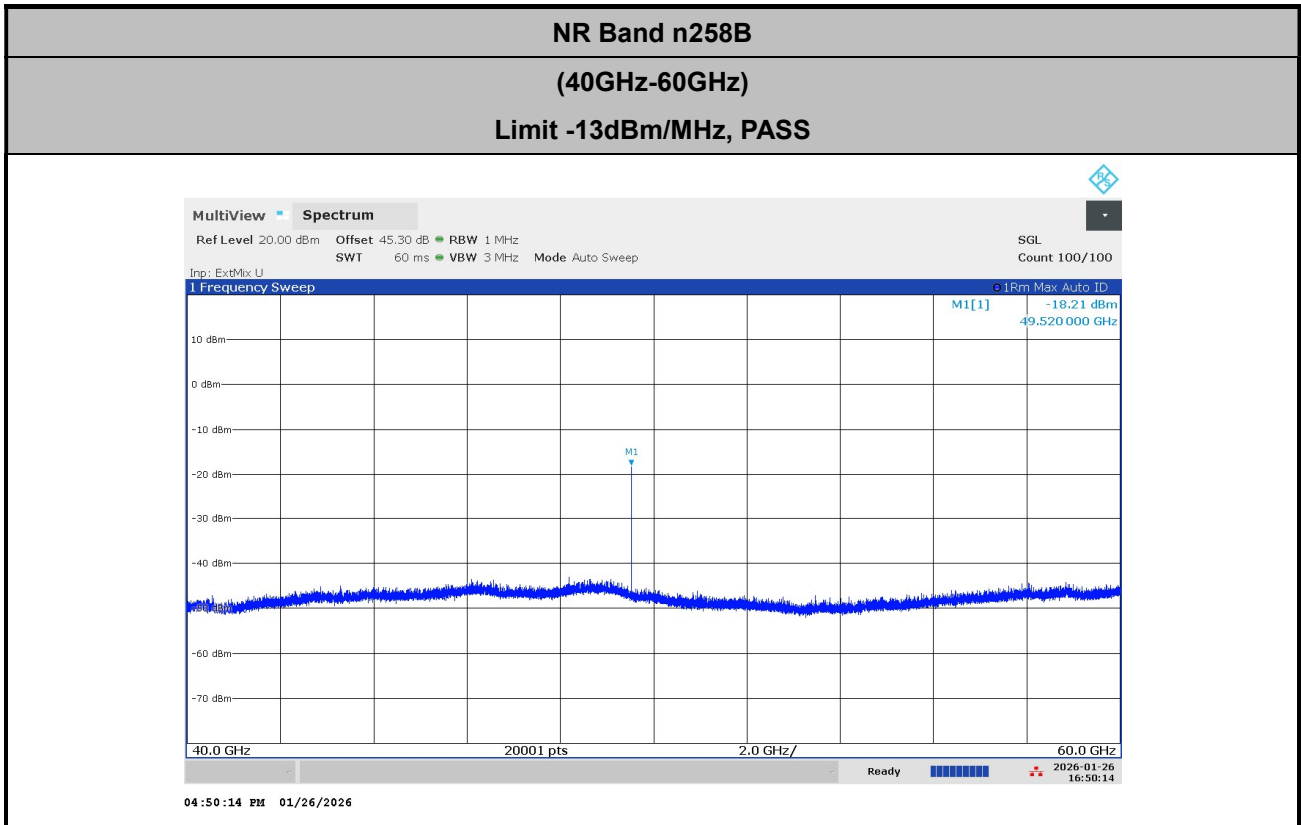


Remark: In band and out of band frequencies are omitted.

There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz.



Only the noise floor is reported.



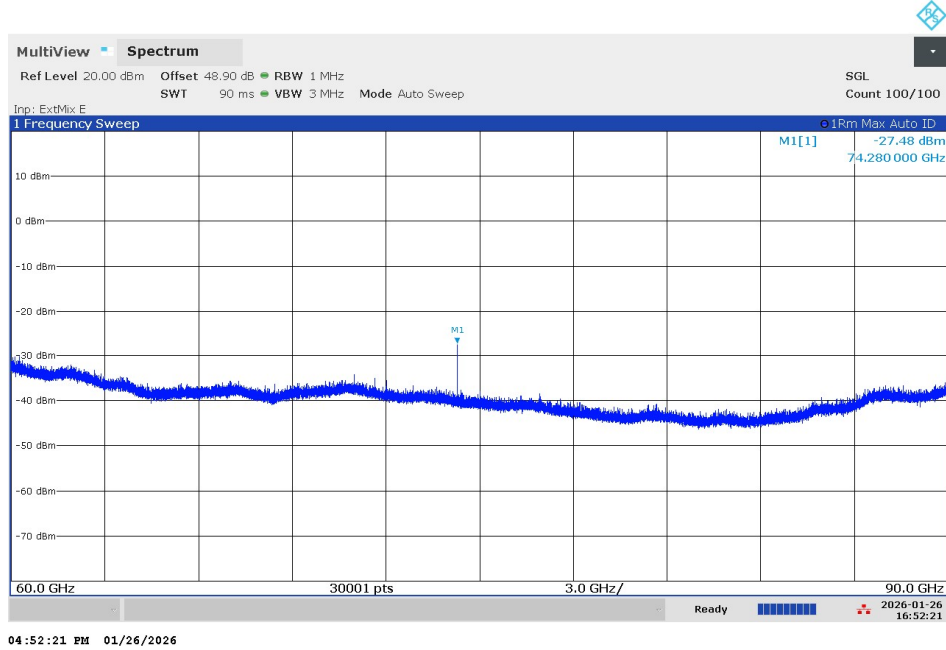
$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.6 + 0.5 + 107 + 20\log(1) - 104.8 = 45.3(\text{dB})\end{aligned}$$



NR Band n258B

(60GHz-90GHz)

Limit -13dBm/MHz, PASS



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

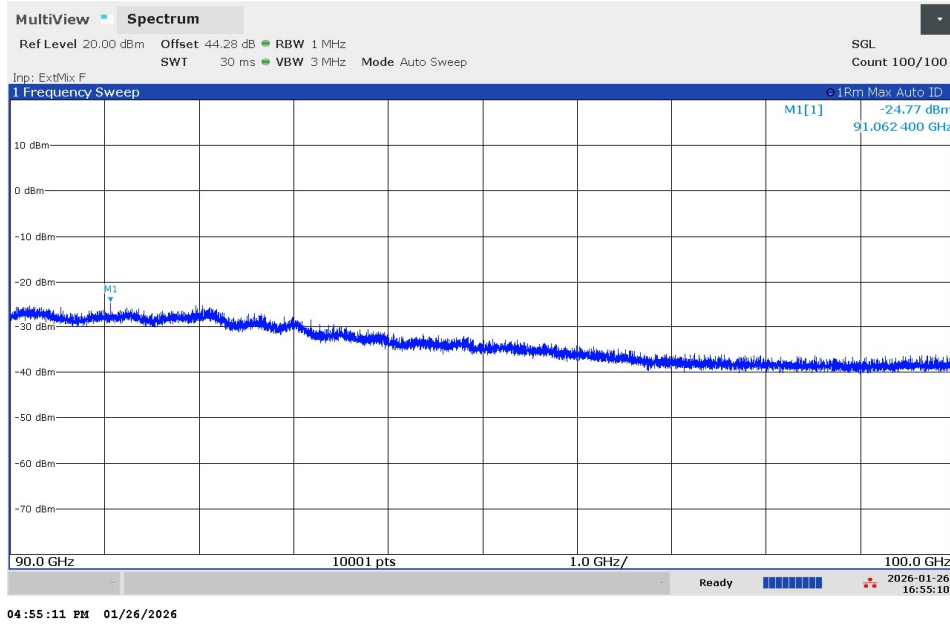
$$= 46.2 + 0.5 + 107 + 20\log(1) - 104.8 = 48.9 \text{ (dB)}$$



NR Band n258B

(90GHz-100GHz)

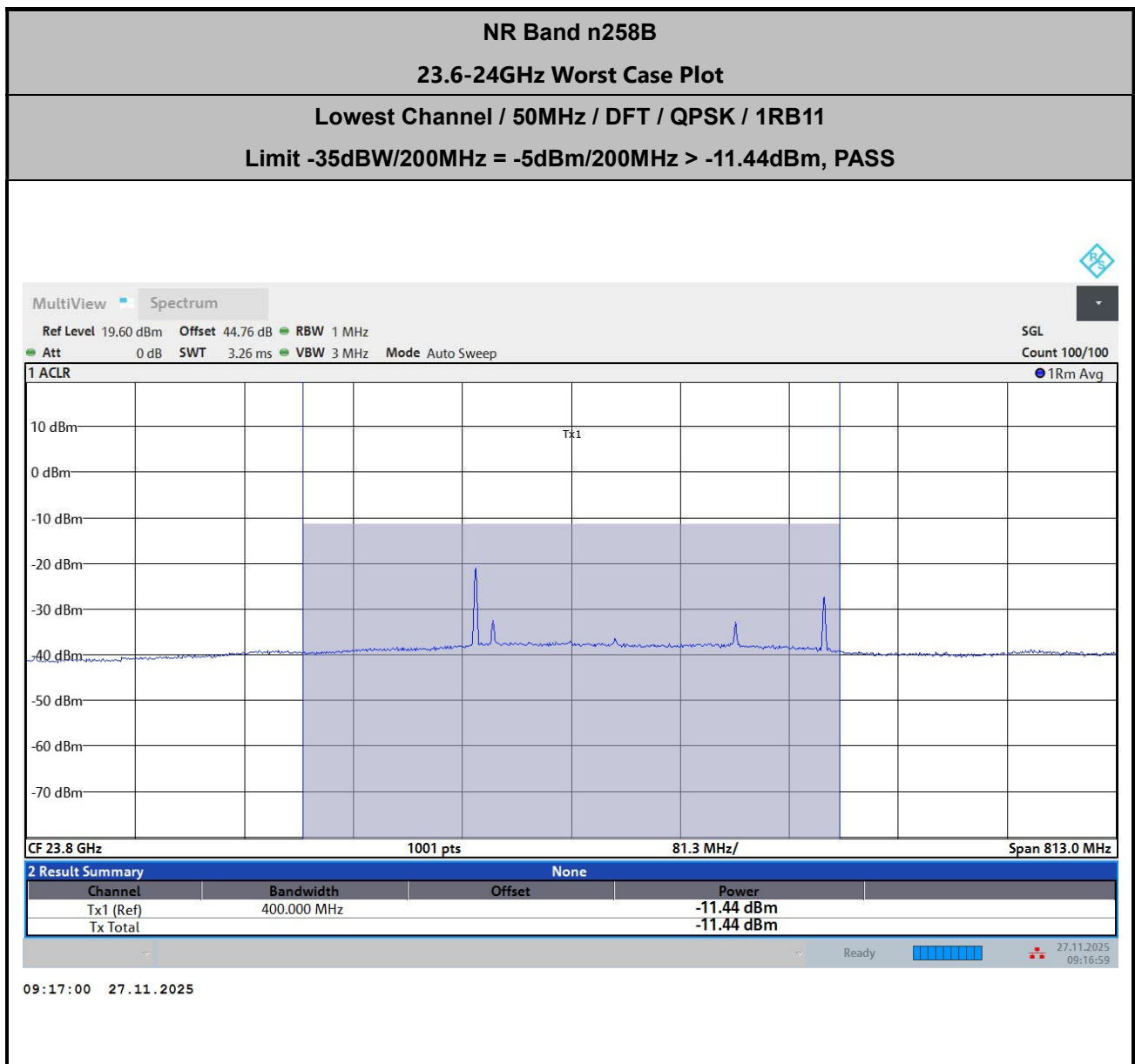
Limit -13dBm/MHz, PASS



$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 47.6 + 0.5 + 107 + 20\log(0.5) - 104.8 = 44.28 \text{ (dB)}\end{aligned}$$

Additional requirement for 24GHz bands: Limits of 47 CFR 30.203(d)(2) is applied.

For mobile equipment brought into use after September 1, 2027, the maximum conducted output power or the total radiated power of emissions in any 200 MHz of the 23.6-24.0 GHz band shall not exceed -39 dBW (for base stations) or -35 dBW (for mobile stations).



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

$$= 39.1 + 3.46 + 107 + 20\log(1) - 104.8 = 44.76(\text{dB})$$

Note: Channel power integration method is used to measure total power over 400MHz from 23.6GHz to 24GHz in order to show compliance against limit within any 200MHz interval.

Frequency Stability

Test Conditions		NR Band n258B / Middle Channel			Limit
Temperature (°C)	Voltage (Volt)	CW tone			Note 2.
		Frequency (GHz)	Deviation (kHz)	Deviation (ppm)	Result
50	Normal Voltage	24.999952048	12.987	0.519	Pass
40	Normal Voltage	24.999957043	7.992	0.320	
30	Normal Voltage	24.999957043	7.992	0.320	
20(Ref.)	Normal Voltage	24.999965035	0.000	0.000	
10	Normal Voltage	24.999969031	-3.996	0.160	
0	Normal Voltage	24.999972028	-6.993	0.280	
-10	Normal Voltage	24.999969031	-3.996	0.160	
-20	Normal Voltage	24.999971029	-5.994	0.240	
-30	Normal Voltage	24.999971029	-5.994	0.240	
20	Maximum Voltage	24.999966034	-0.999	0.040	
20	Normal Voltage	24.999966034	-0.999	0.040	
20	Battery End Point	24.999966034	-0.999	0.040	

Note:

1. Normal Voltage = 3.9 V. ; Minimum Voltage = 3.6 V. ; Maximum Voltage = 4.4 V.
2. The frequency fundamental emissions stay within the operation band.

NR Band n260 AGH+V

Occupied Bandwidth

Mode	DFT-s-OFDM NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.43	45.44	45.62	92.12	92.21	92.05	192.00	192.61	191.94
Middle CH	45.61	45.67	45.79	92.12	92.17	92.02	192.05	192.51	191.88
Highest CH	45.52	45.54	45.66	92.07	92.12	92.04	191.84	192.78	192.17

Mode	DFT-s-OFDM NR Band n260 : 99%OBW(MHz)					
BW	300MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	291.02	291.38	291.13	391.16	391.37	390.71
Middle CH	291.00	291.16	291.01	390.54	391.12	389.78
Highest CH	290.99	291.86	291.12	390.37	391.25	390.46

Mode	CP-OFDM NR Band n260 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	45.36	94.59	194.40
Middle CH	45.56	94.67	194.48
Highest CH	45.46	94.50	194.19

Mode	CP-OFDM NR Band n260 : 99%OBW(MHz)	
BW	300MHz	400MHz
Mod.	QPSK	QPSK
Lowest CH	293.71	393.31
Middle CH	293.21	392.49
Highest CH	293.18	392.68



DFT-s-OFDM

NR Band n260

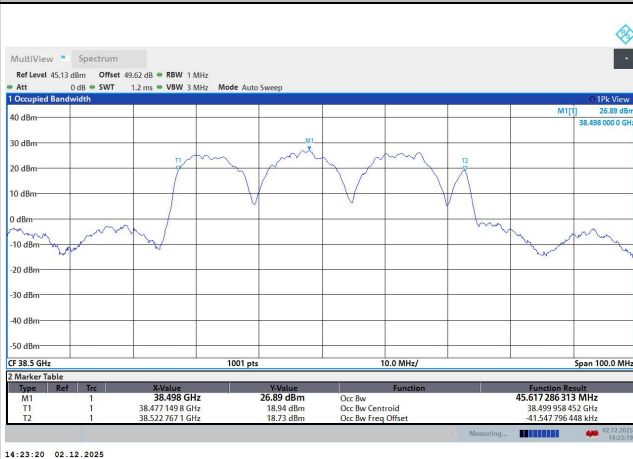
Lowest Channel / 50MHz / QPSK



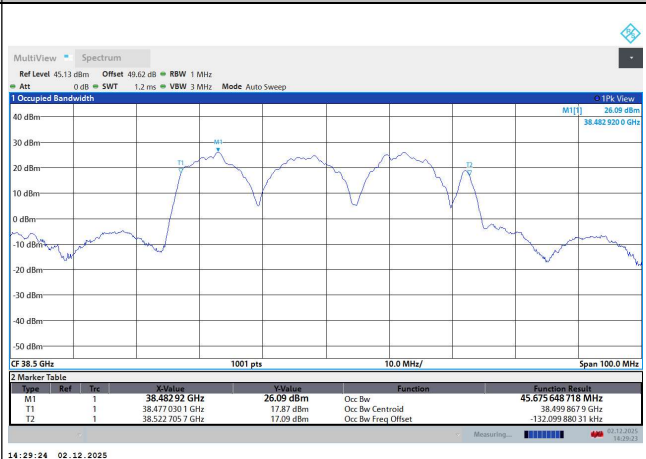
Lowest Channel / 50MHz / 16QAM



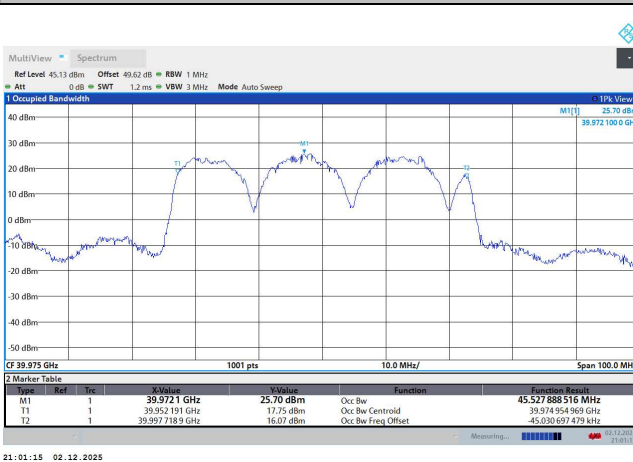
Middle Channel / 50MHz / QPSK



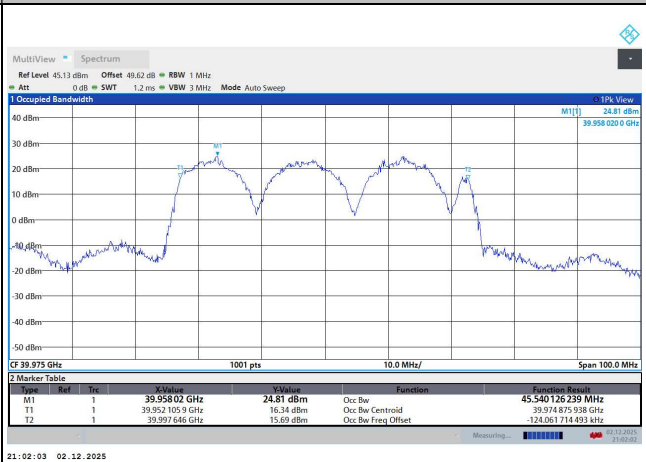
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

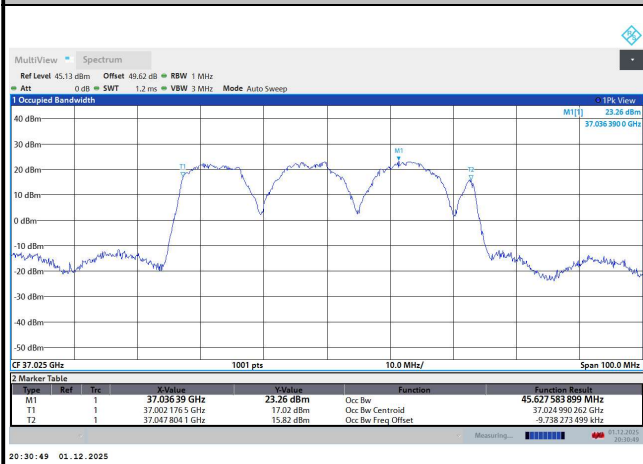




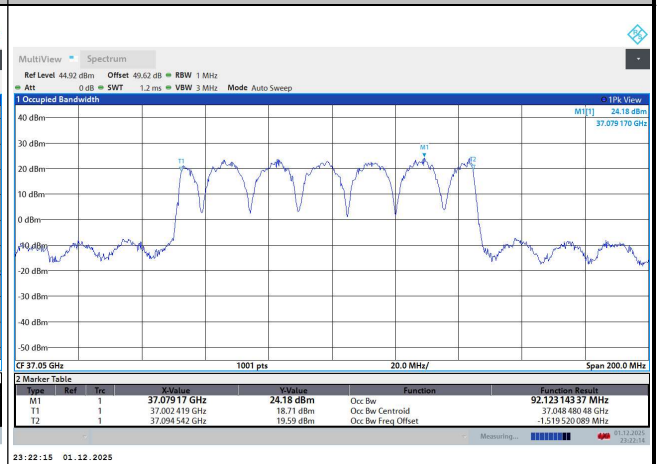
DFT-s-OFDM

NR Band n260

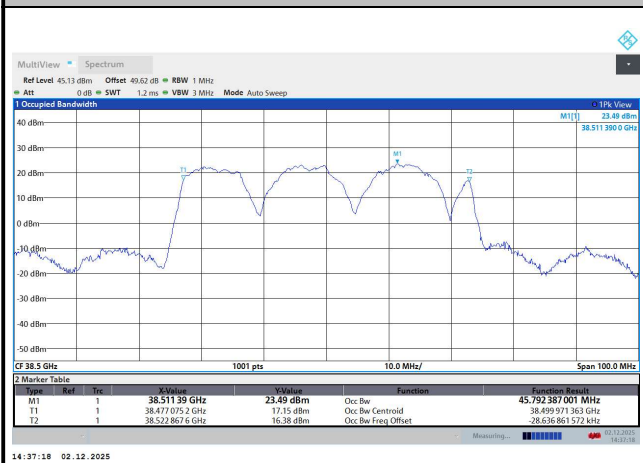
Lowest Channel / 50MHz / 64QAM



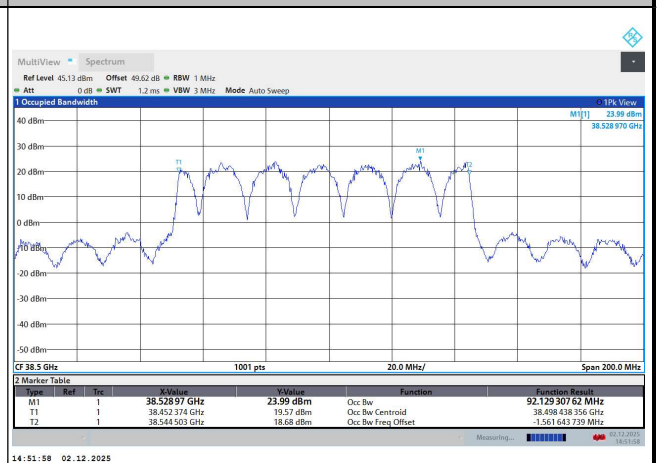
Lowest Channel / 100MHz / QPSK



Middle Channel / 50MHz / 64QAM



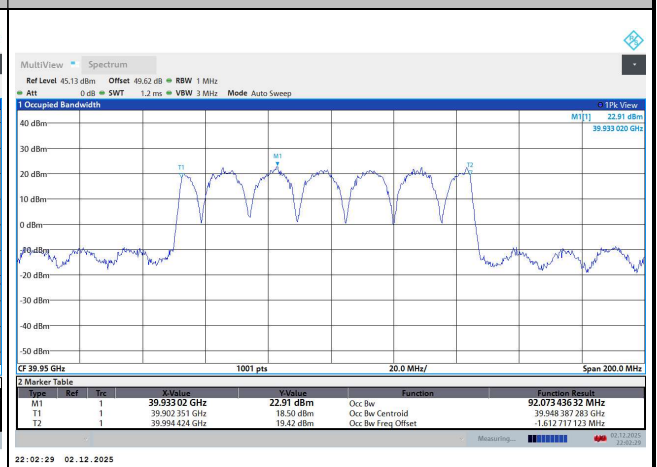
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK





DFT-s-OFDM

