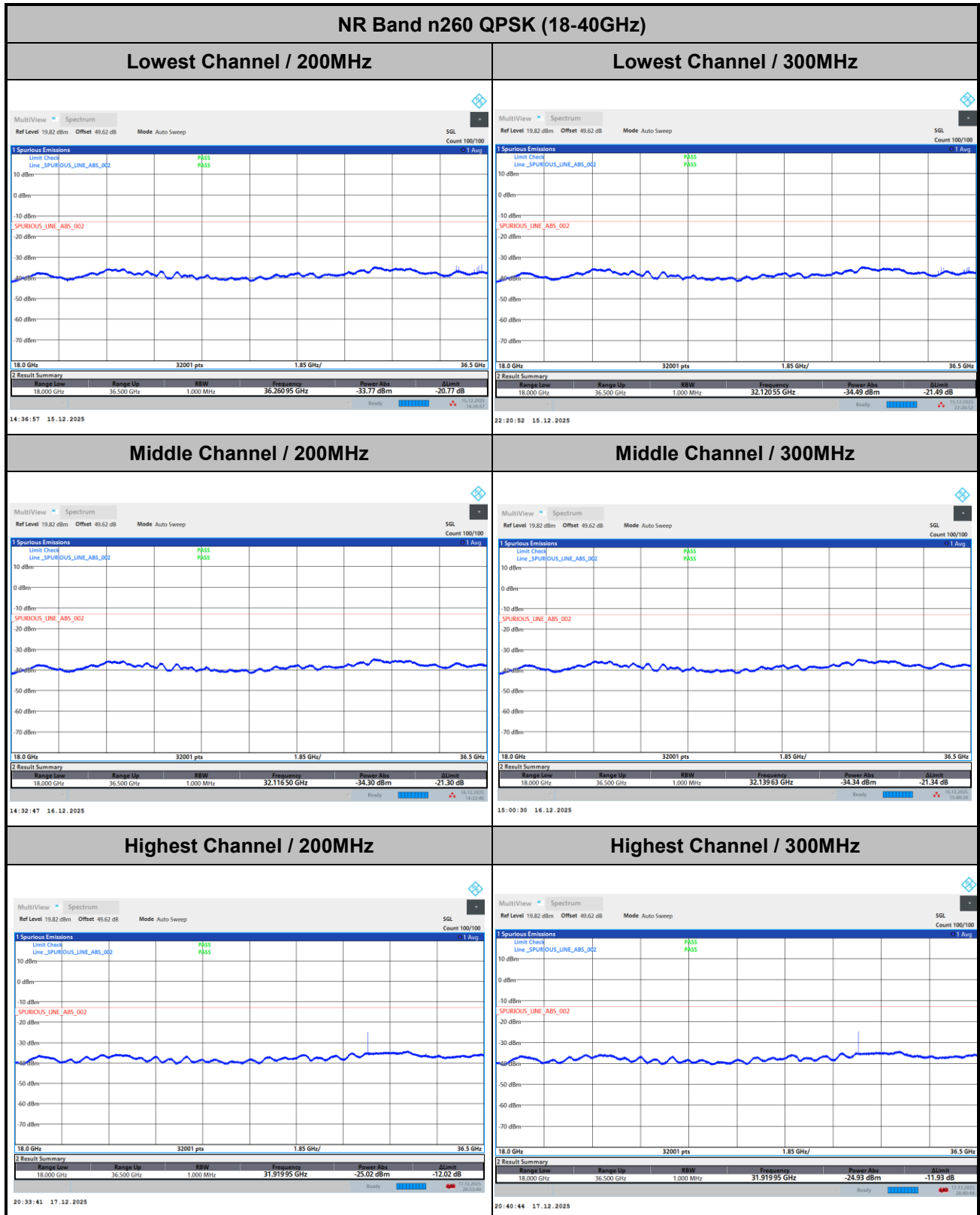




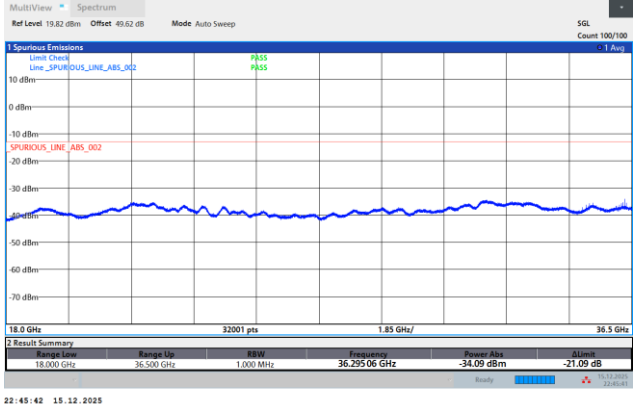
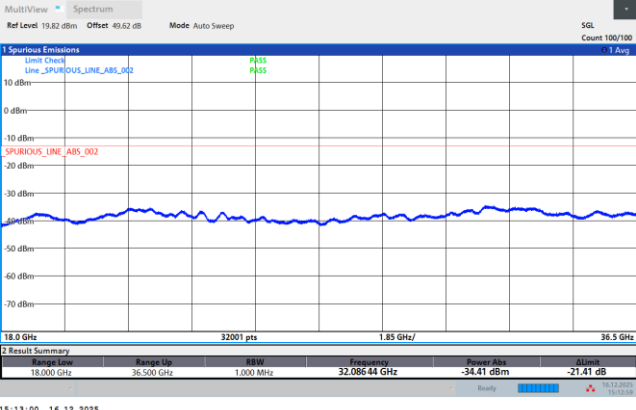
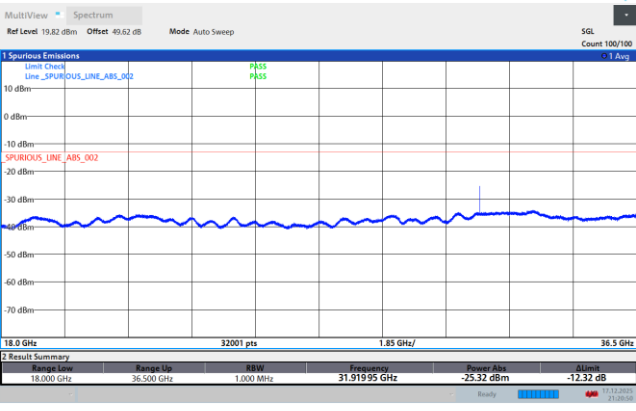
DFT-s-OFDM



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



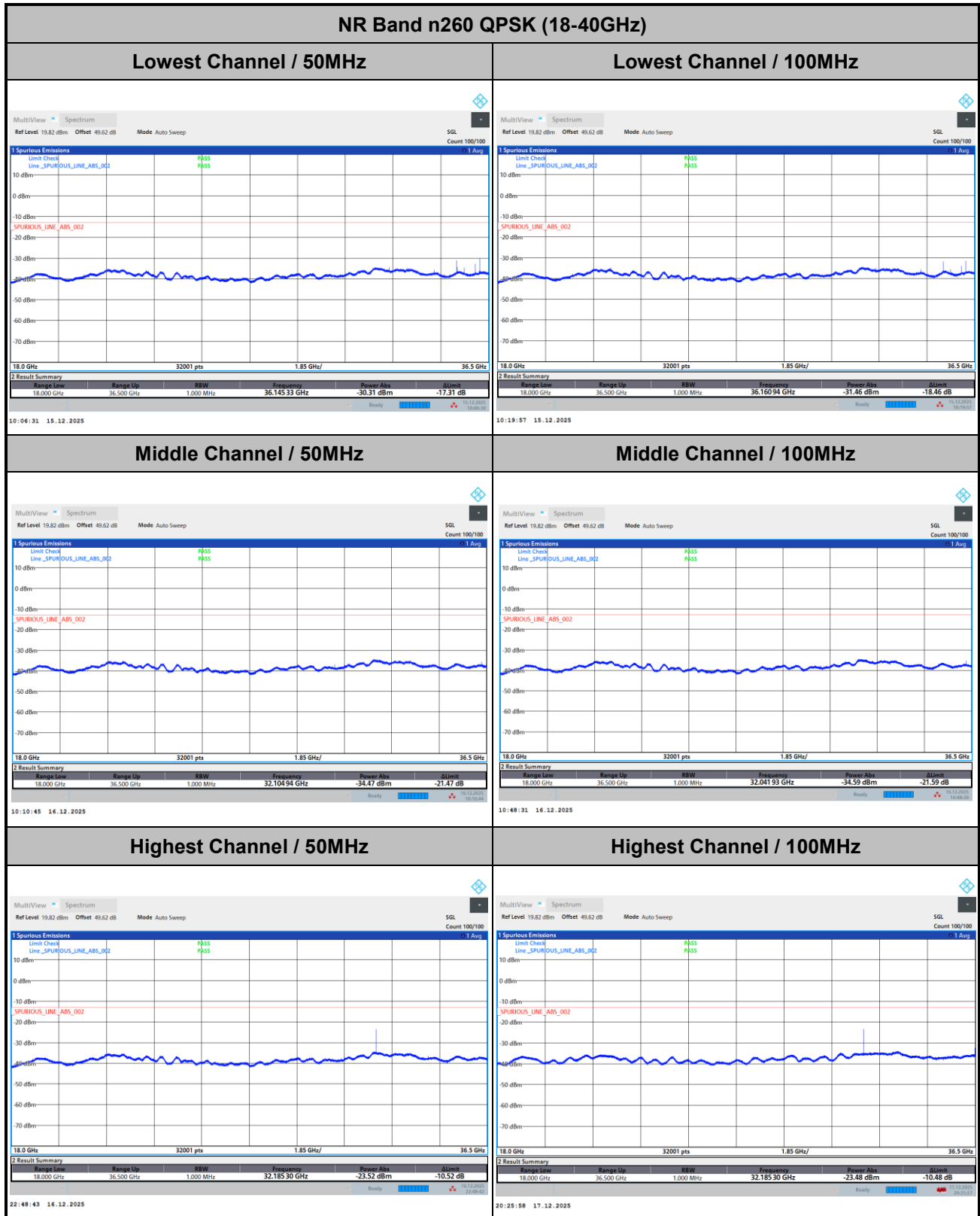
DFT-s-OFDM

NR Band n260 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.



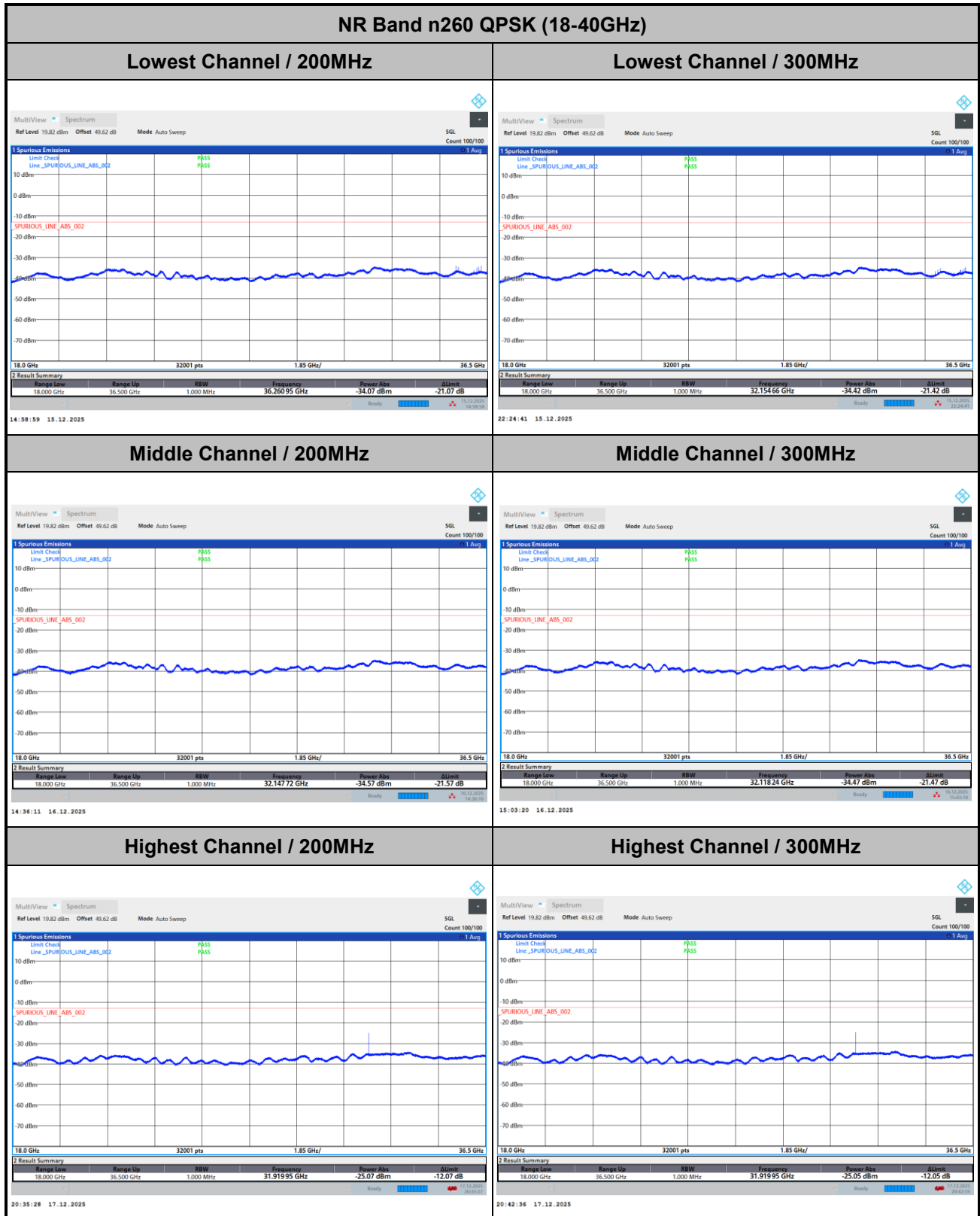
CP-OFDM



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



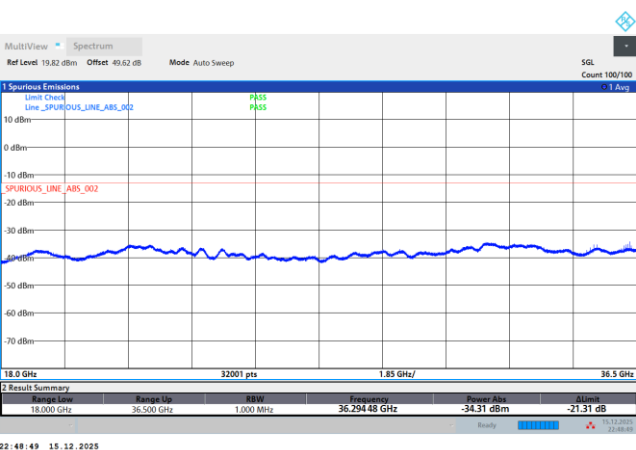
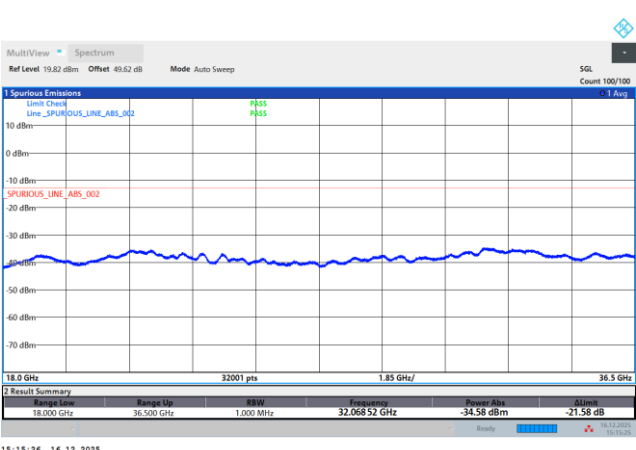
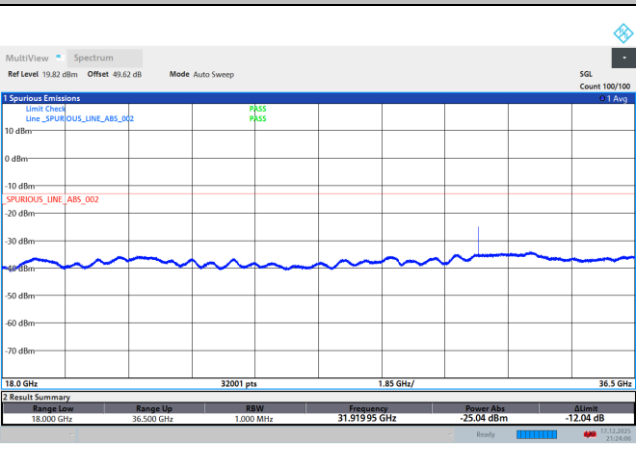
CP-OFDM



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



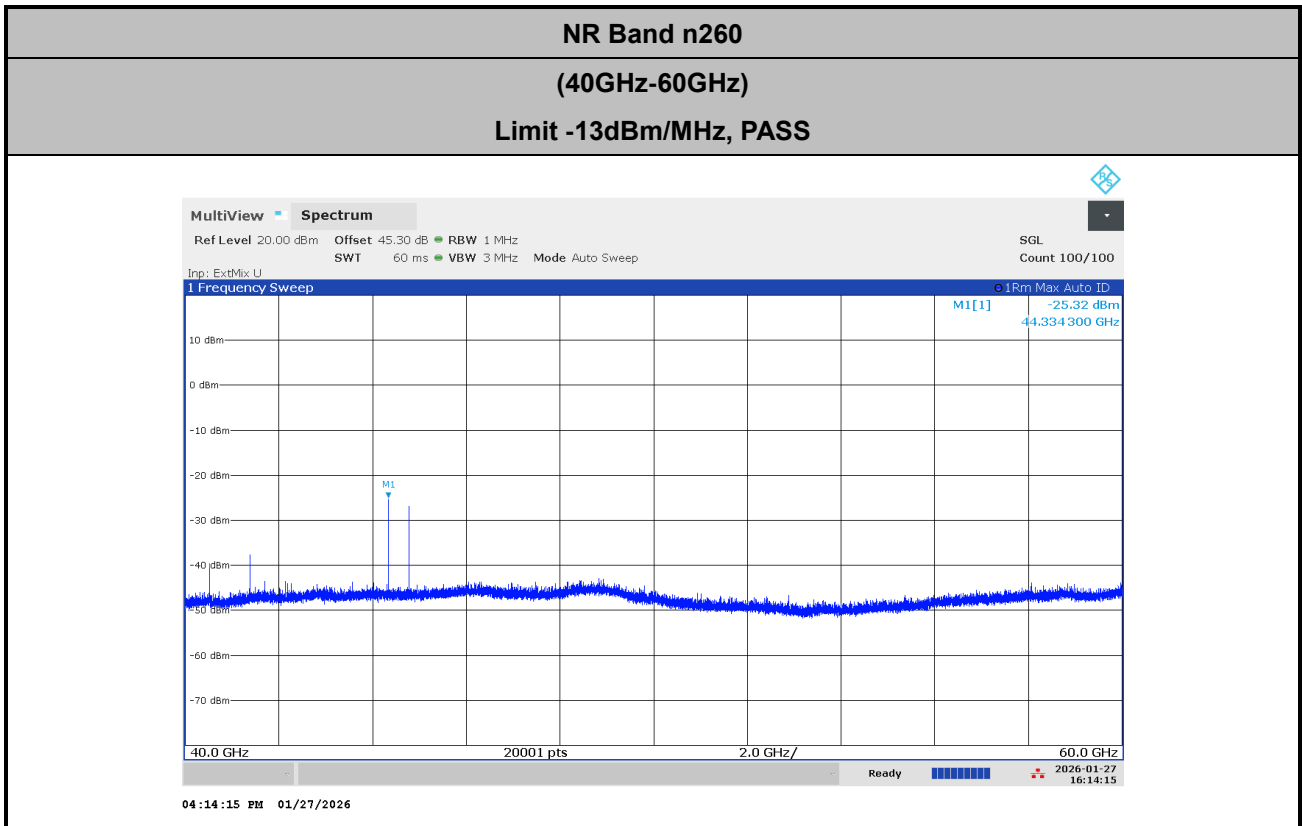
CP-OFDM

NR Band n260 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.



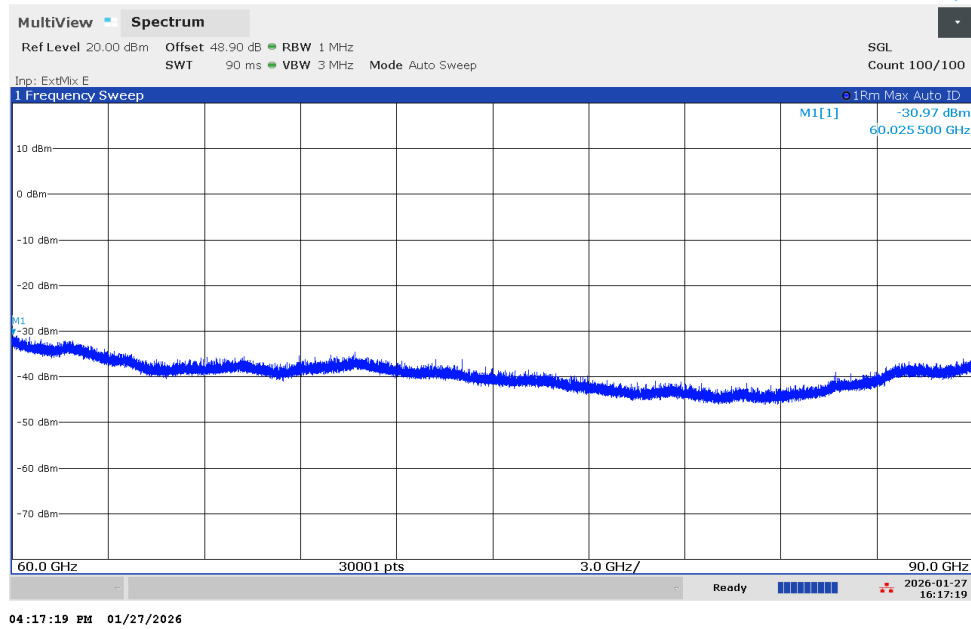
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$
$$= 42.6 + 0.5 + 107 + 20\log(1) - 104.8 = 45.3(\text{dB})$$



NR Band n260

(60GHz-90GHz)

Limit -13dBm/MHz, PASS



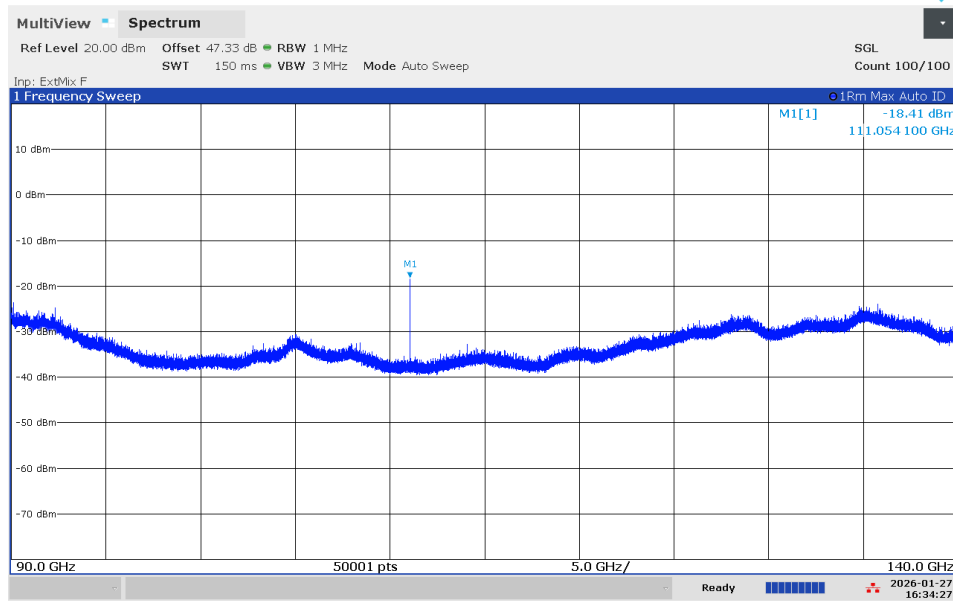
$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 46.2 + 0.5 + 107 + 20\log(1) - 104.8 = 48.9 \text{ (dB)} \end{aligned}$$



NR Band n260

(90GHz-140GHz)

Limit -13dBm/MHz, PASS



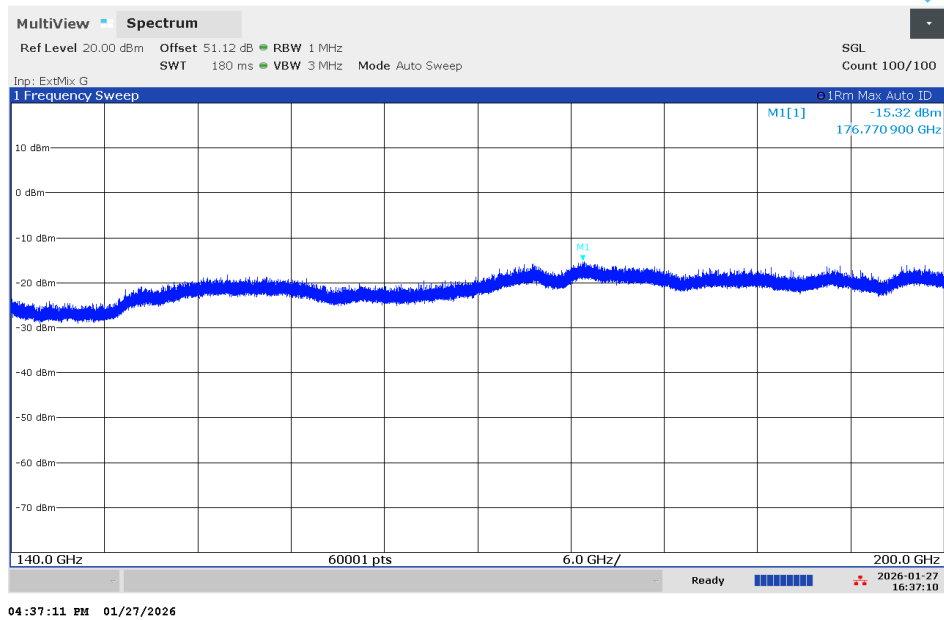
$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 50.65 + 0.5 + 107 + 20\log(0.5) - 104.8 = 47.33 \text{ (dB)} \end{aligned}$$



NR Band n260

(140GHz-200GHz)

Limit -13dBm/MHz, PASS



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 54.44 + 0.5 + 107 + 20\log(0.5) - 104.8 = 51.12(\text{dB}) \end{aligned}$$

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	38.499953000	12.000	0.312	Pass
40	Normal Voltage	38.499957000	8.000	0.208	
30	Normal Voltage	38.499961000	4.000	0.104	
20(Ref.)	Normal Voltage	38.499965000	0.000	0.000	
10	Normal Voltage	38.499964000	1.000	0.026	
0	Normal Voltage	38.499968000	-3.000	0.078	
-10	Normal Voltage	38.499970000	-5.000	0.130	
-20	Normal Voltage	38.499973000	-8.000	0.208	
-30	Normal Voltage	38.499977000	-12.000	0.312	
20	Maximum Voltage	38.499963000	2.000	0.052	
20	Normal Voltage	38.499964000	1.000	0.026	
20	Battery End Point	38.499962000	3.000	0.078	

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 n261 AGH+V

Occupied Bandwidth

Mode	DFT-s-OFDM NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	46.04	46.17	46.08	87.80	88.24	87.52	186.60	186.74	186.25
Middle CH	46.17	46.29	46.16	87.67	88.14	87.48	186.78	187.13	186.60
Highest CH	46.07	46.19	46.05	90.66	90.88	90.36	187.52	188.51	187.27

Mode	DFT-s-OFDM NR Band n261 : 99%OBW(MHz)					
BW	300MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	284.41	284.38	283.48	384.52	384.50	383.94
Middle CH	285.34	285.55	284.51	385.06	384.89	384.47
Highest CH	288.42	288.68	288.19	386.87	387.8	386.56

Mode	CP-OFDM NR Band n261 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	46.02	94.04	193.13
Middle CH	46.08	94.31	193.17
Highest CH	45.99	94.34	193.62

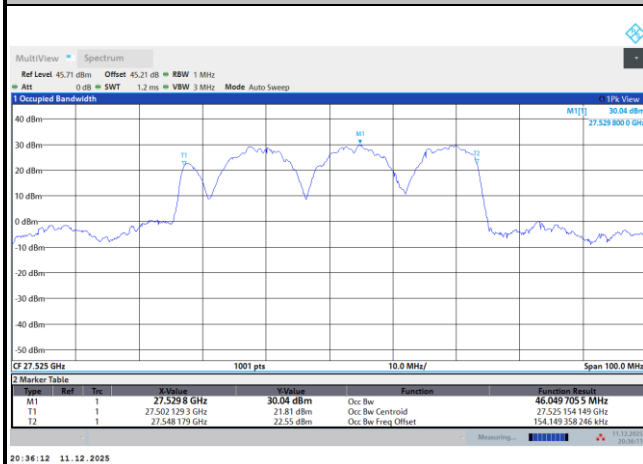
Mode	CP-OFDM NR Band n261 : 99%OBW(MHz)	
BW	300MHz	400MHz
Mod.	QPSK	QPSK
Lowest CH	291.81	391.52
Middle CH	292.14	391.56
Highest CH	292.67	392.30



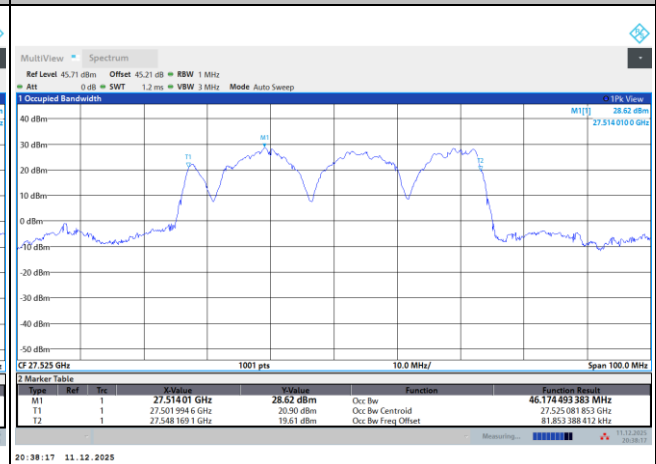
DFT-s-OFDM

NR Band n261

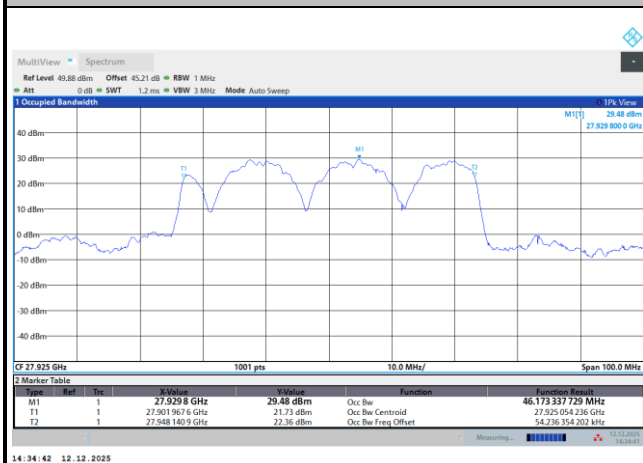
Lowest Channel / 50MHz / QPSK



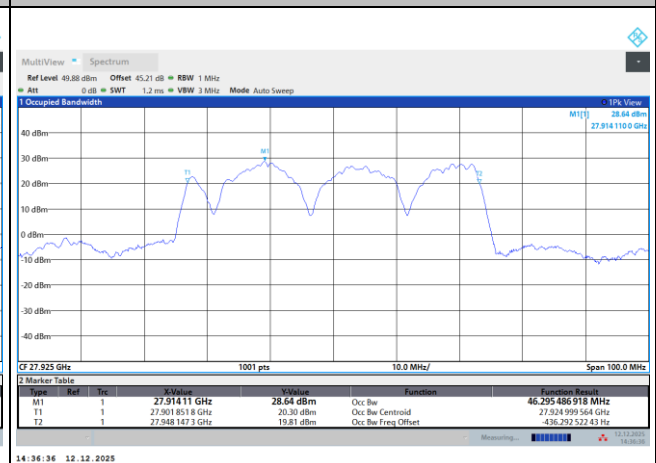
Lowest Channel / 50MHz / 16QAM



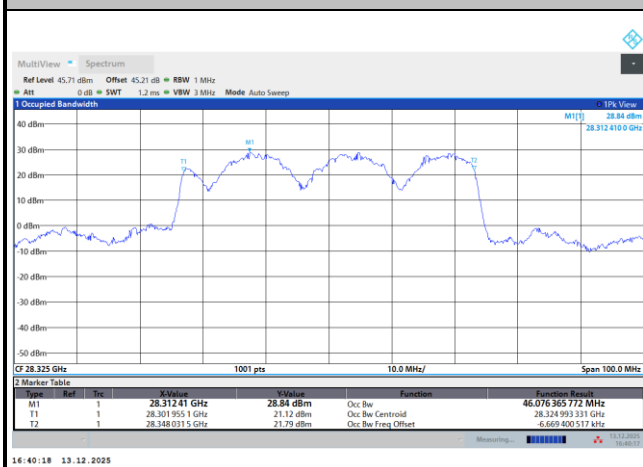
Middle Channel / 50MHz / QPSK



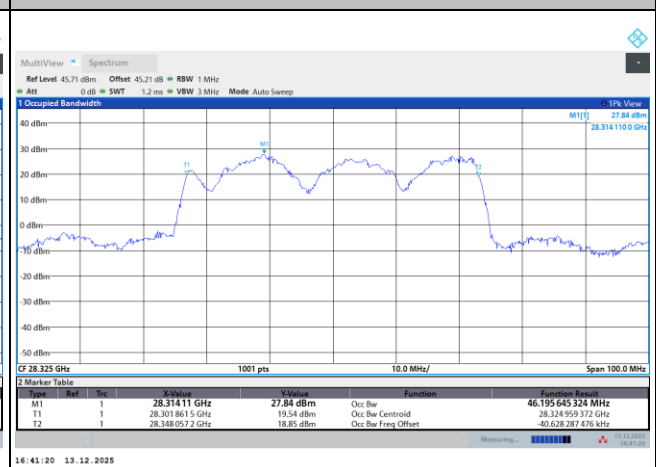
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

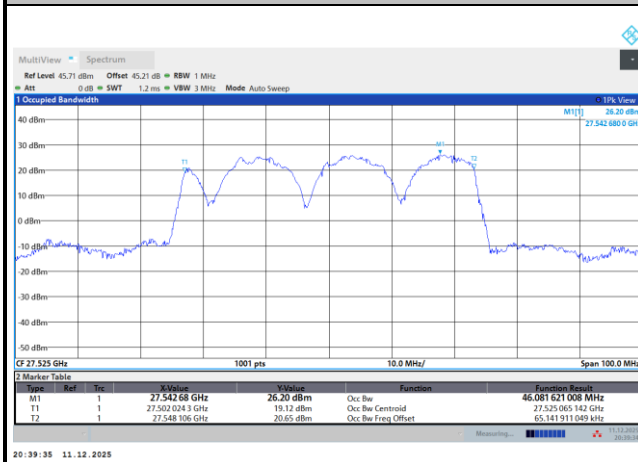




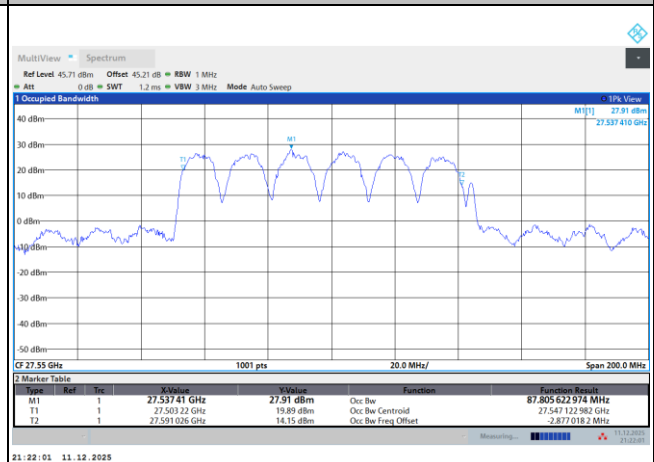
DFT-s-OFDM

NR Band n261

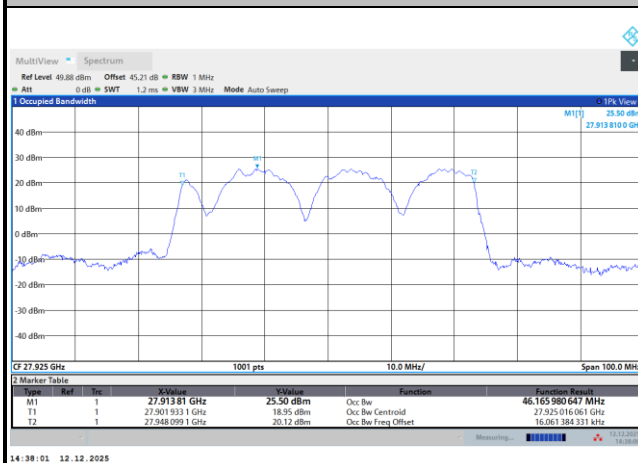
Lowest Channel / 50MHz / 64QAM



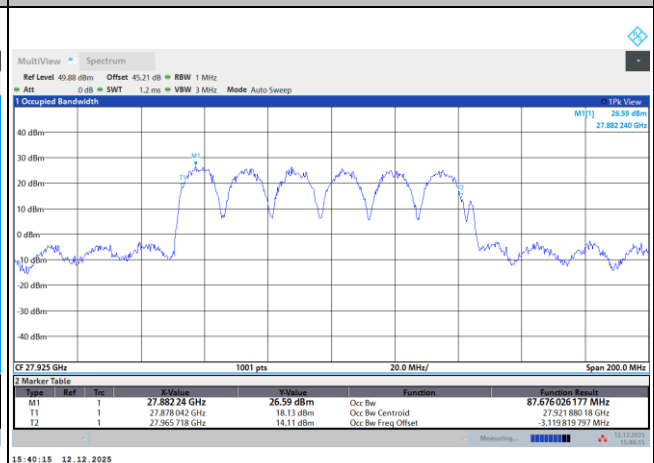
Lowest Channel / 100MHz / QPSK



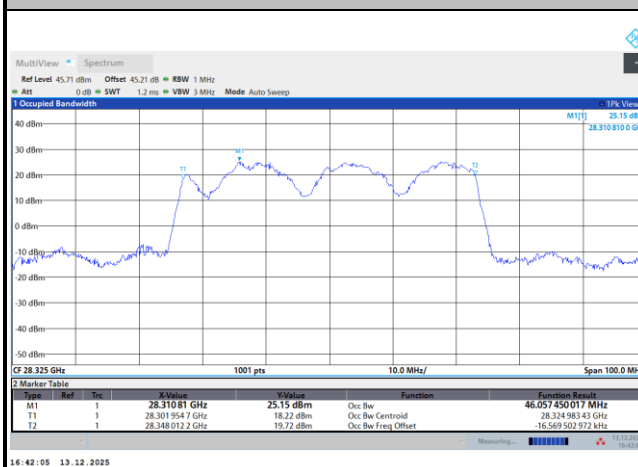
Middle Channel / 50MHz / 64QAM



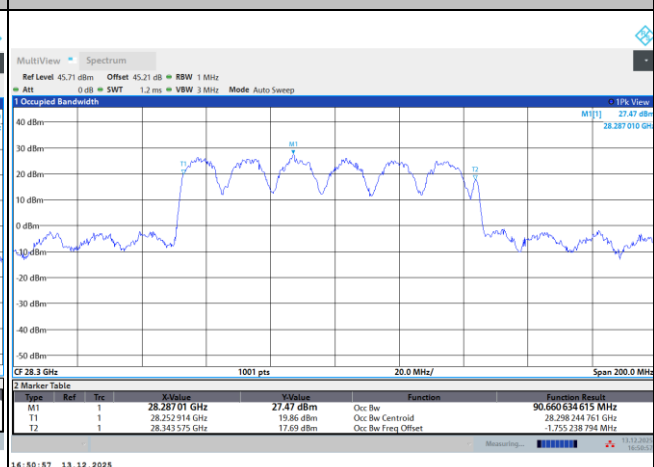
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

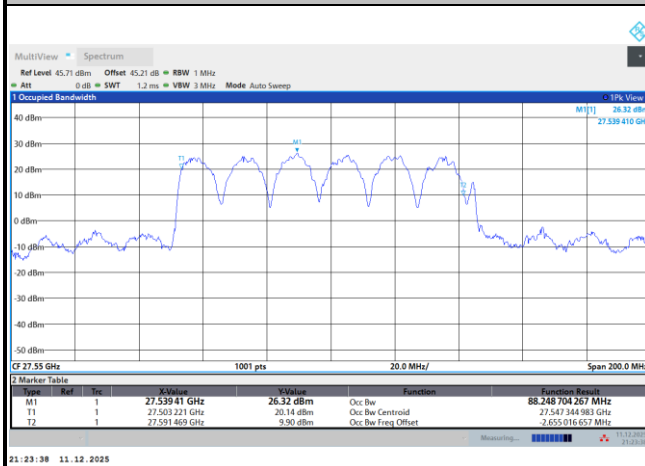




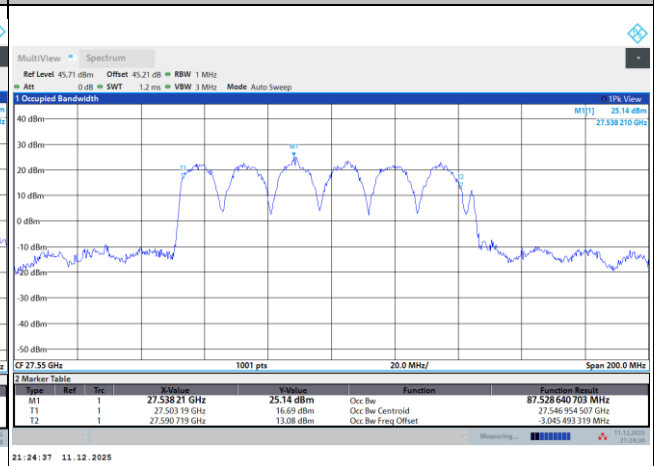
DFT-s-OFDM

NR Band n261

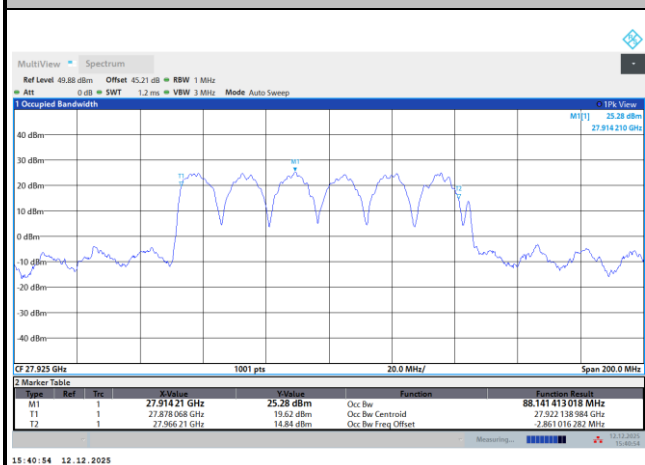
Lowest Channel / 100MHz / 16QAM



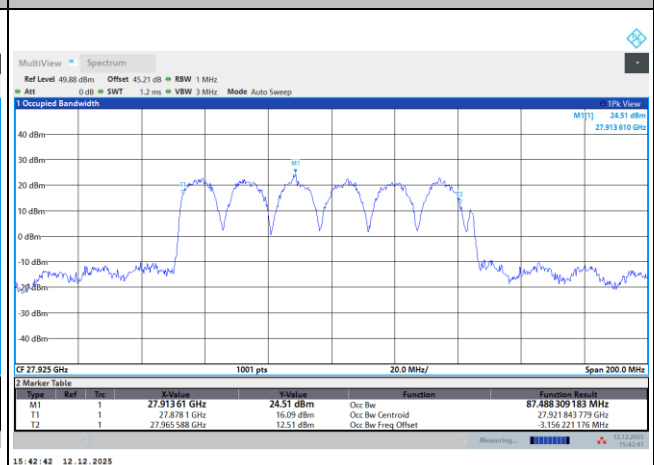
Lowest Channel / 100MHz / 64QAM



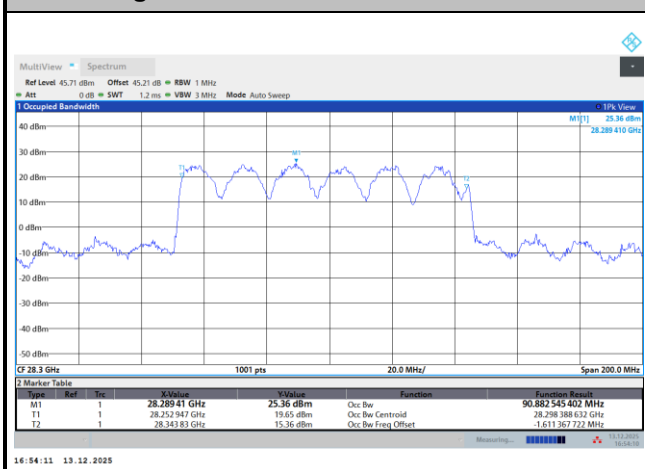
Middle Channel / 100MHz / 16QAM



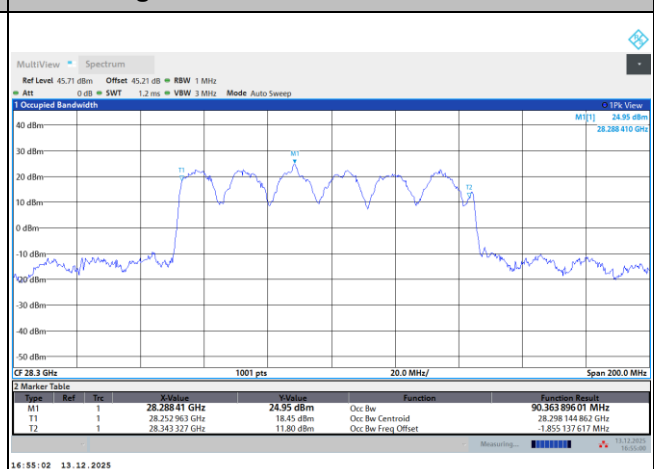
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

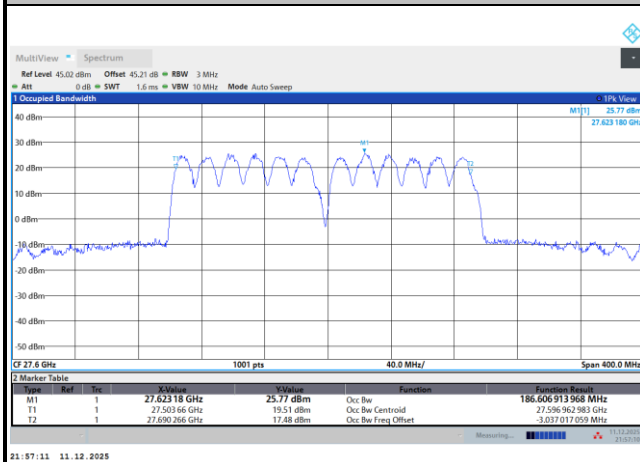




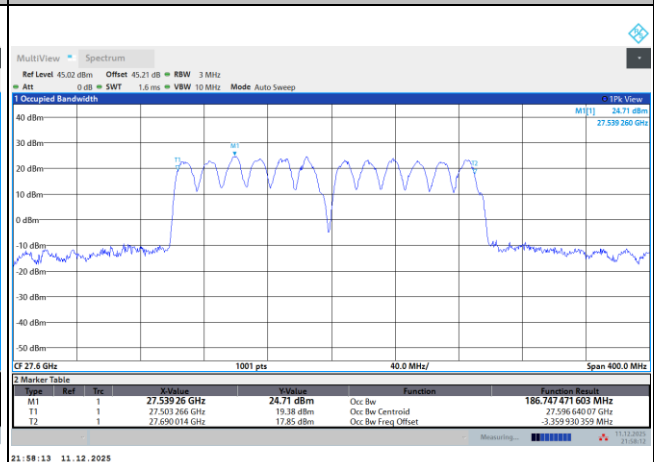
DFT-s-OFDM

NR Band n261

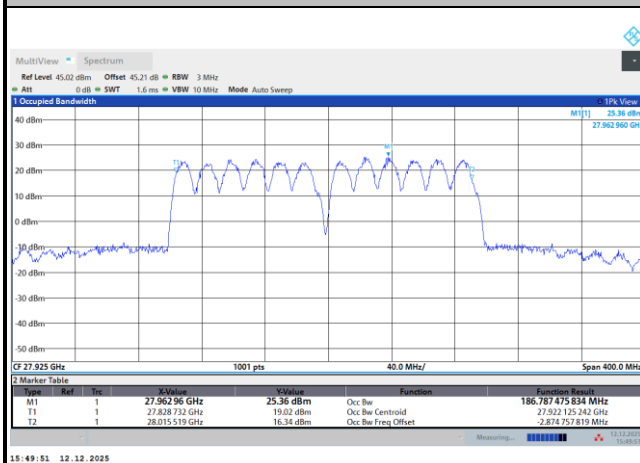
Lowest Channel / 200MHz / QPSK



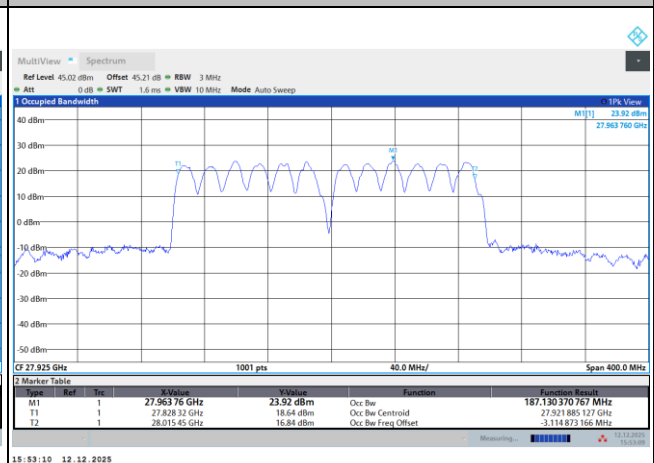
Lowest Channel / 200MHz / 16QAM



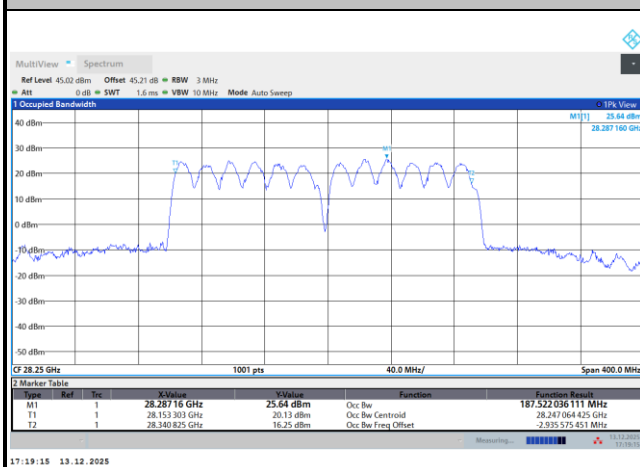
Middle Channel / 200MHz / QPSK



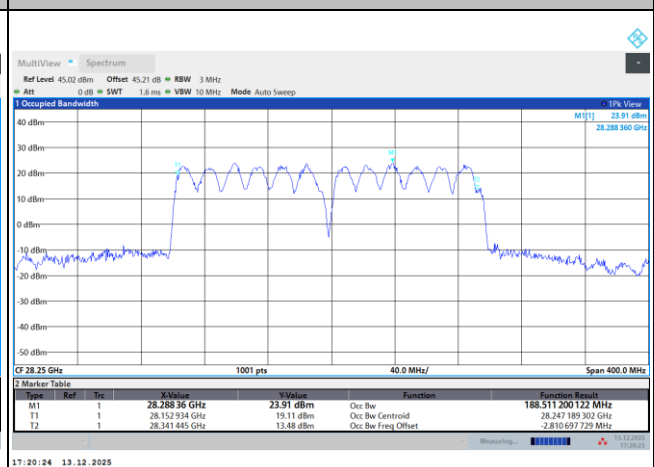
Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM

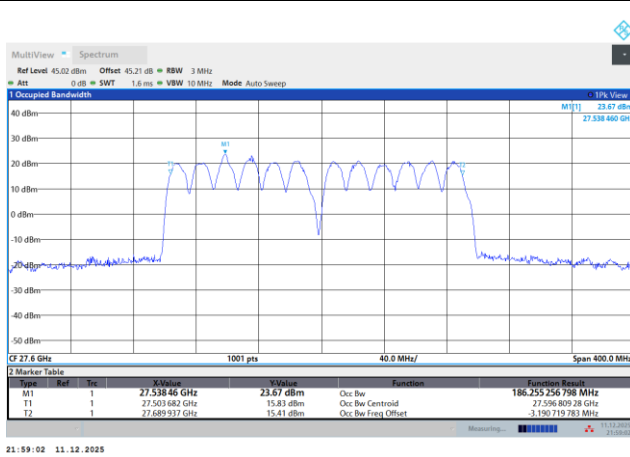




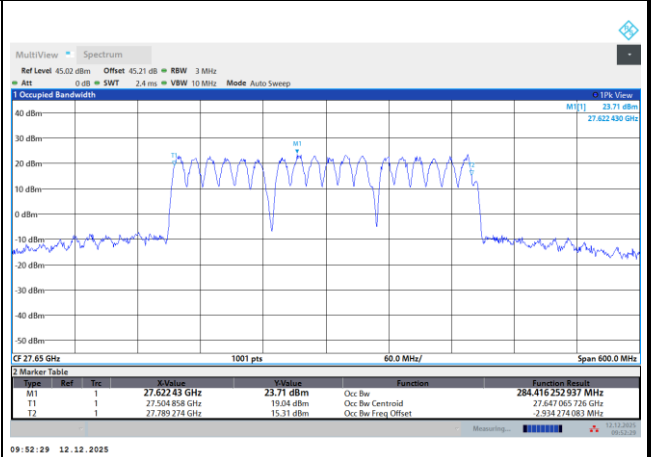
DFT-s-OFDM

NR Band n261

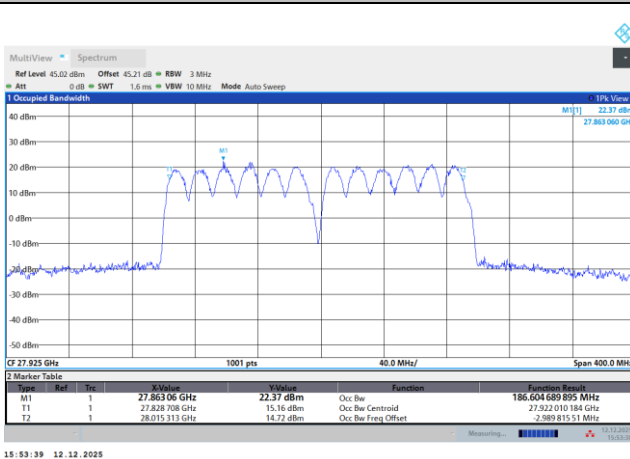
Lowest Channel / 200MHz / 64QAM



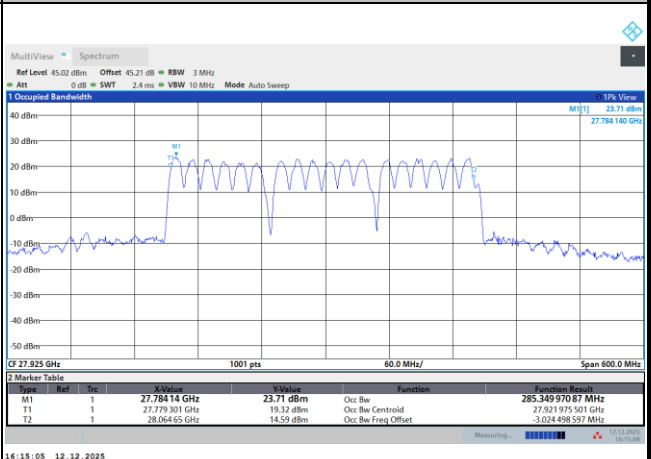
Lowest Channel / 300MHz / QPSK



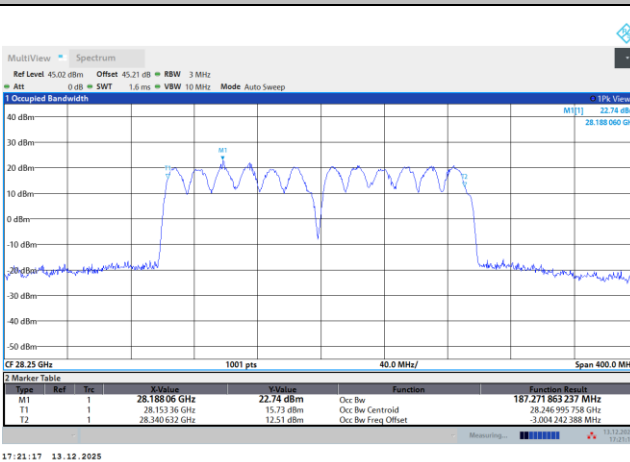
Middle Channel / 200MHz / 64QAM



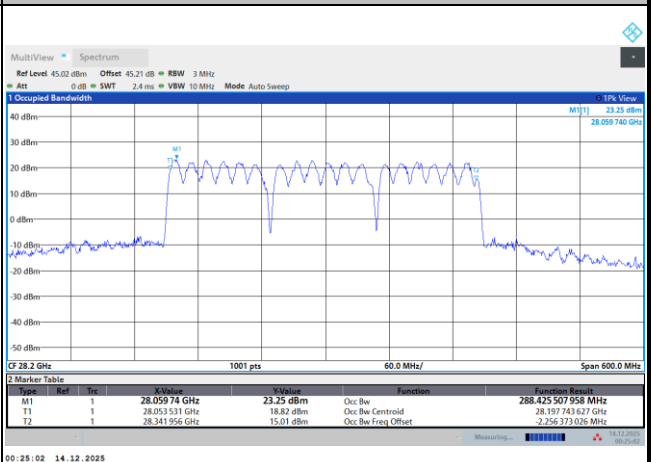
Middle Channel / 300MHz / QPSK



Highest Channel / 200MHz / 64QAM



Highest Channel / 300MHz / QPSK

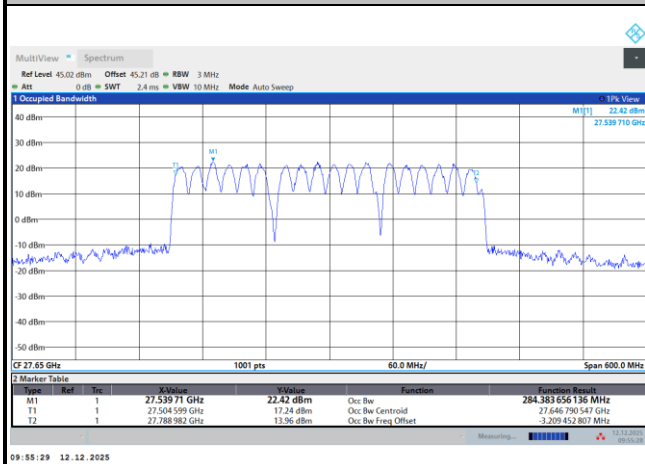




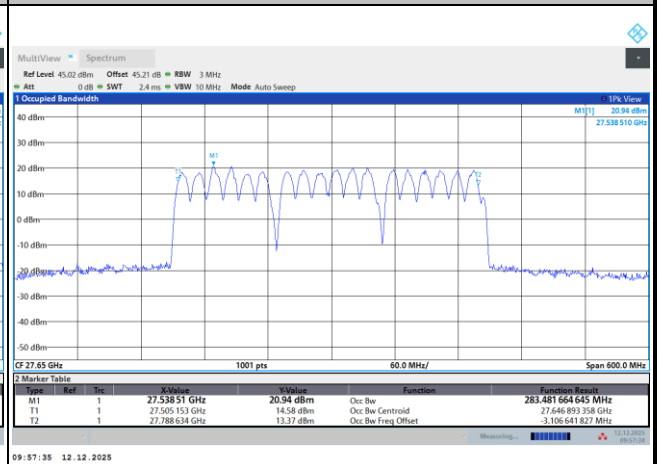
DFT-s-OFDM

NR Band n261

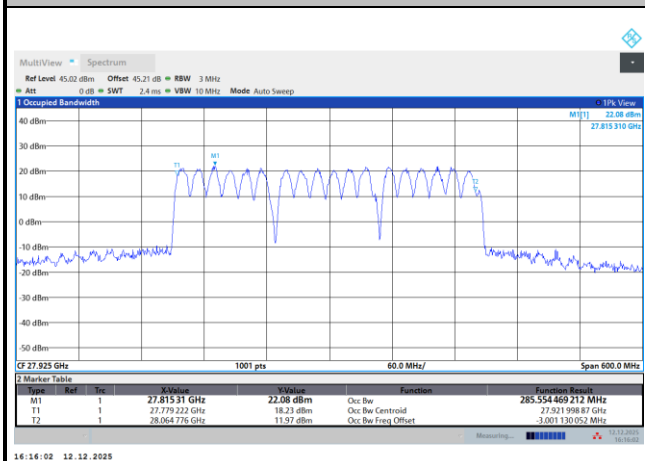
Lowest Channel / 300MHz / 16QAM



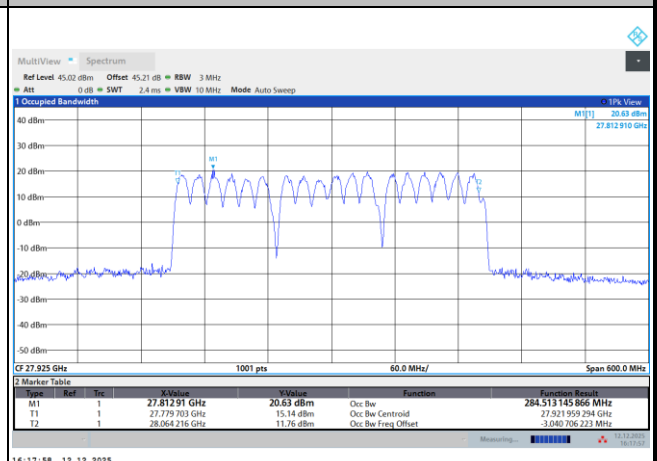
Lowest Channel / 300MHz / 64QAM



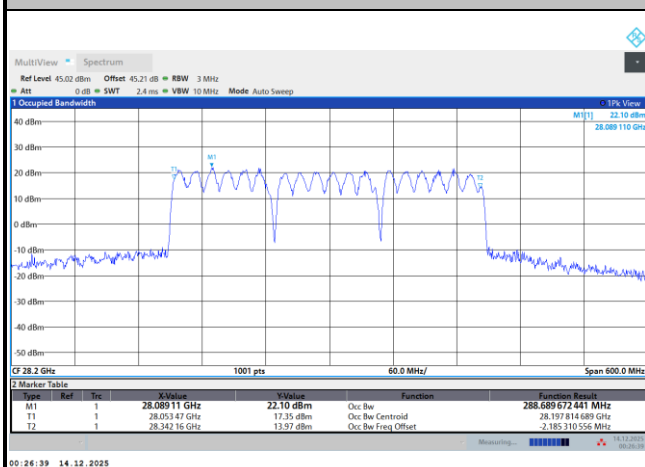
Middle Channel / 300MHz / 16QAM



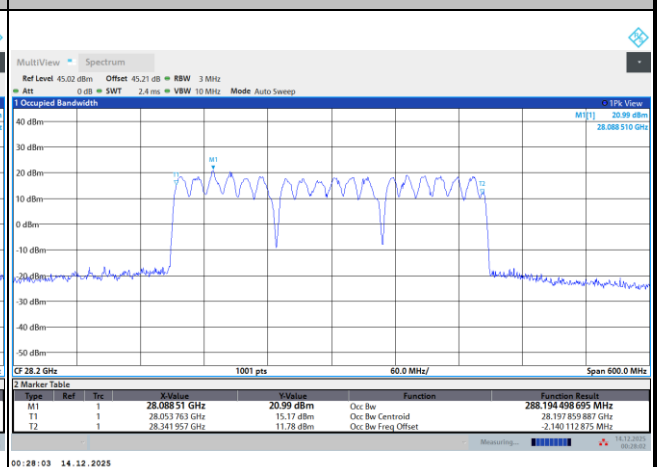
Middle Channel / 300MHz / 64QAM



Highest Channel / 300MHz / 16QAM



Highest Channel / 300MHz / 64QAM

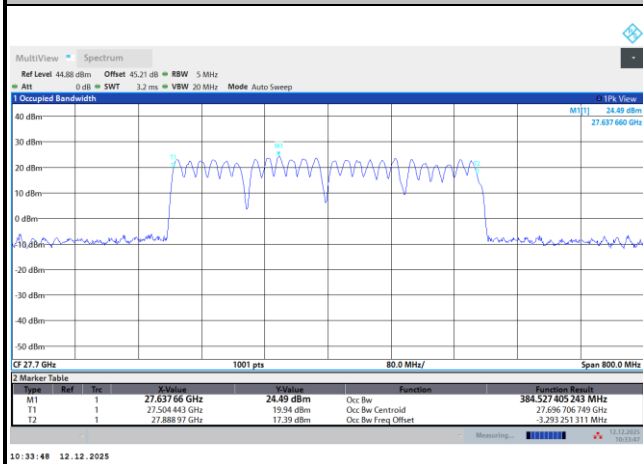




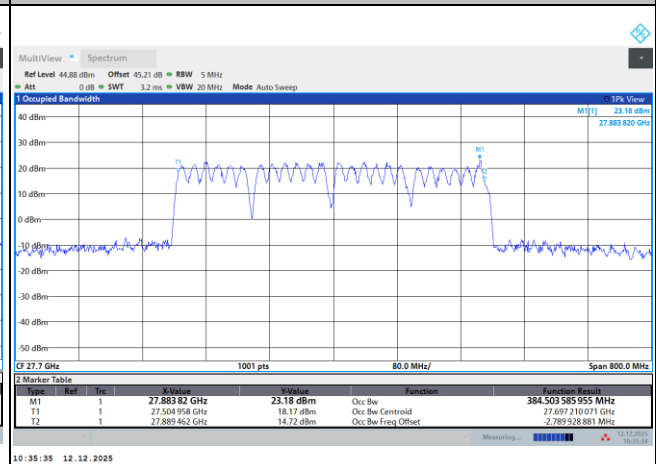
DFT-s-OFDM

NR Band n261

Lowest Channel / 400MHz / QPSK



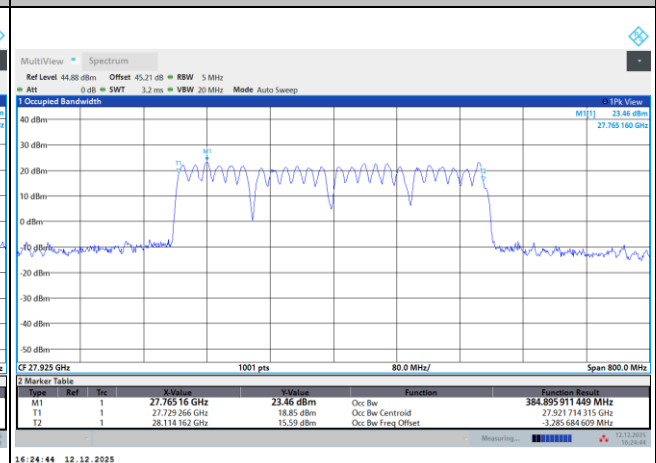
Lowest Channel / 400MHz / 16QAM



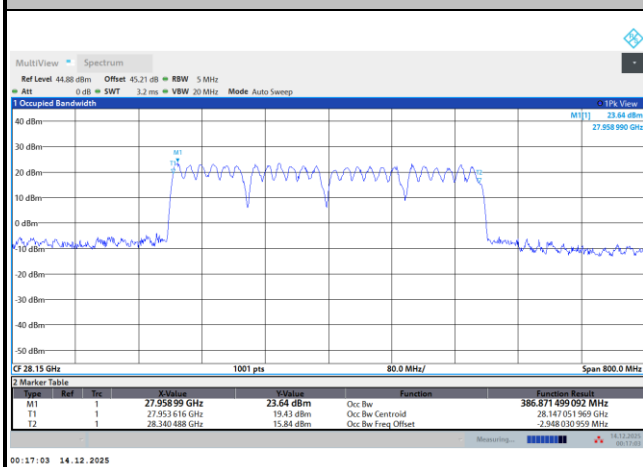
Middle Channel / 400MHz / QPSK



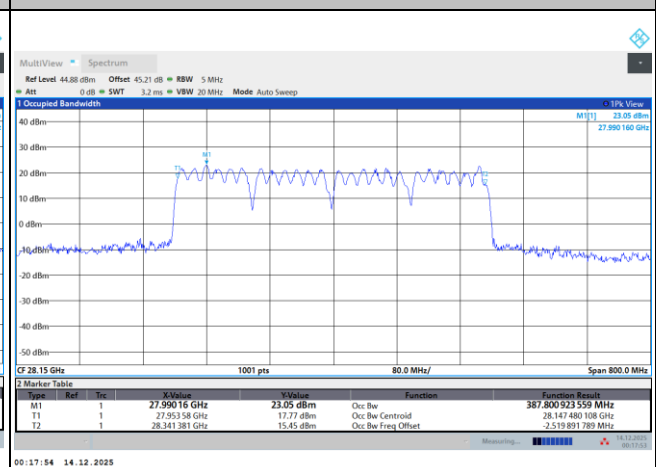
Middle Channel / 400MHz / 16QAM



Highest Channel / 400MHz / QPSK

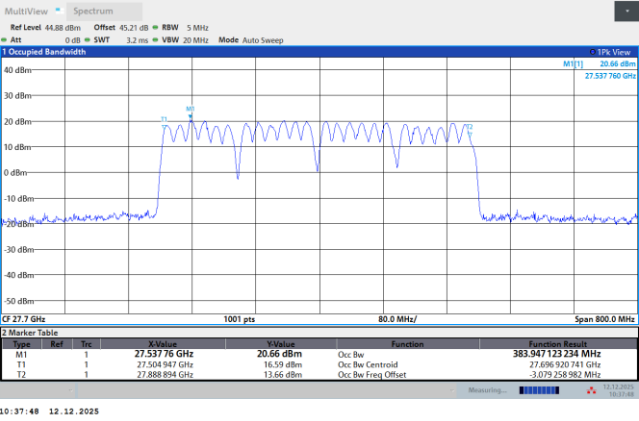
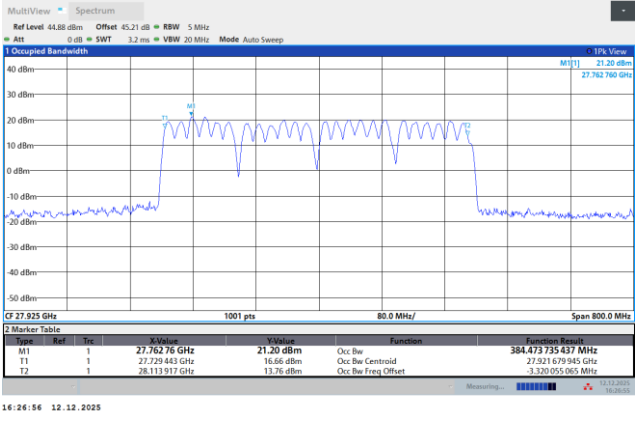
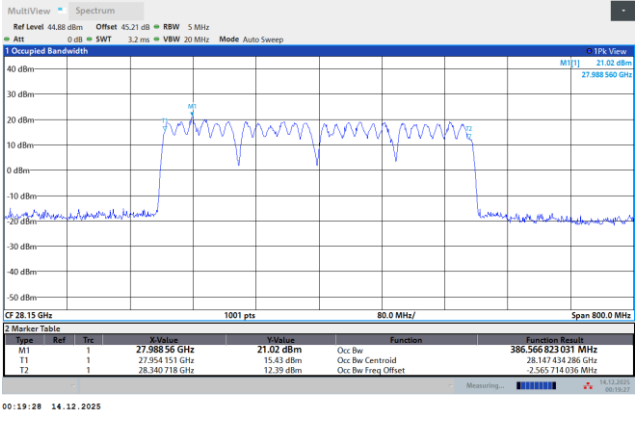


Highest Channel / 400MHz / 16QAM





DFT-s-OFDM

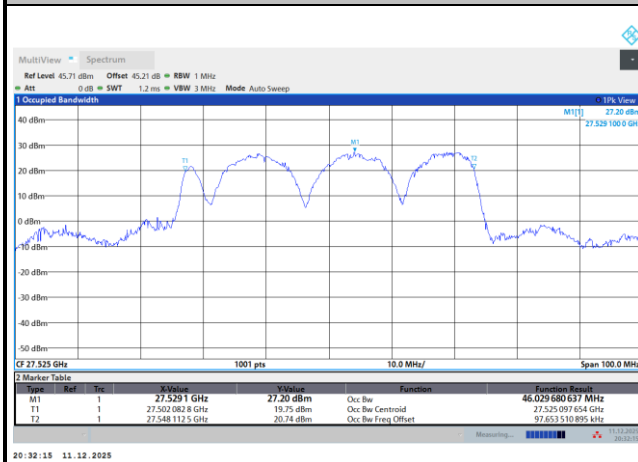
NR Band n261	
Lowest Channel / 400MHz / 64QAM	
 intentionally blank	
Middle Channel / 400MHz / 64QAM	
 intentionally blank	
Highest Channel / 400MHz / 64QAM	
 intentionally blank	



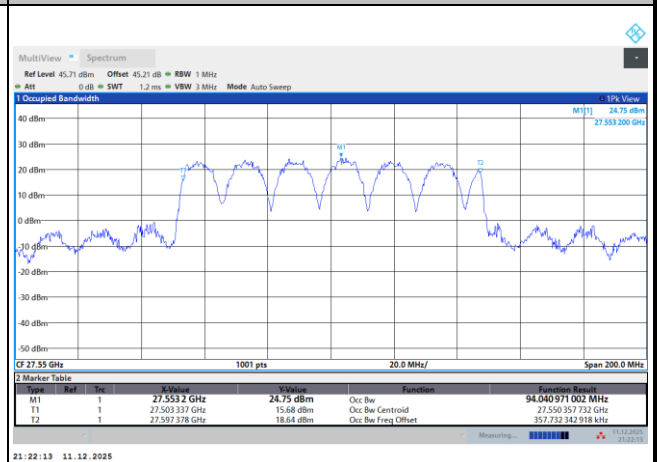
CP-OFDM

NR Band n261

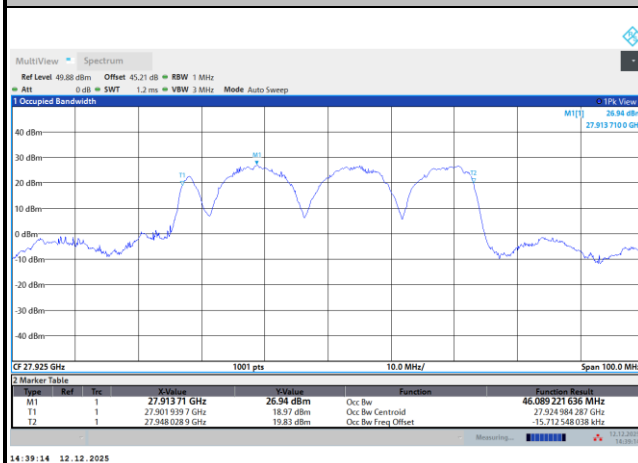
Lowest Channel / 50MHz / QPSK



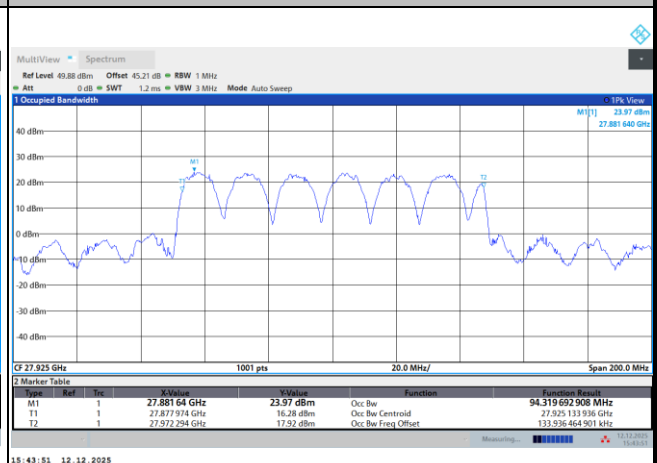
Lowest Channel / 100MHz / QPSK



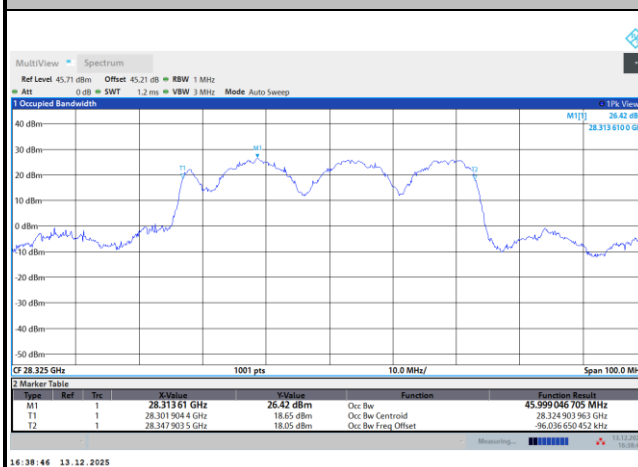
Middle Channel / 50MHz / QPSK



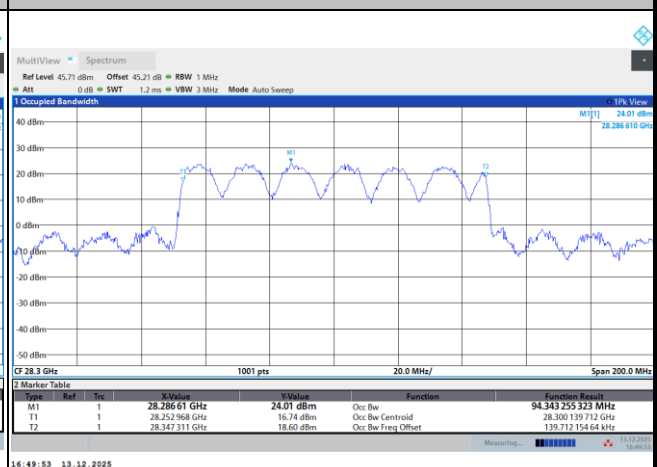
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

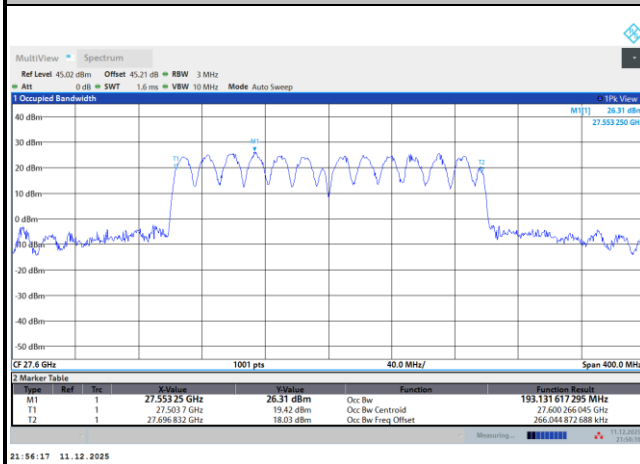




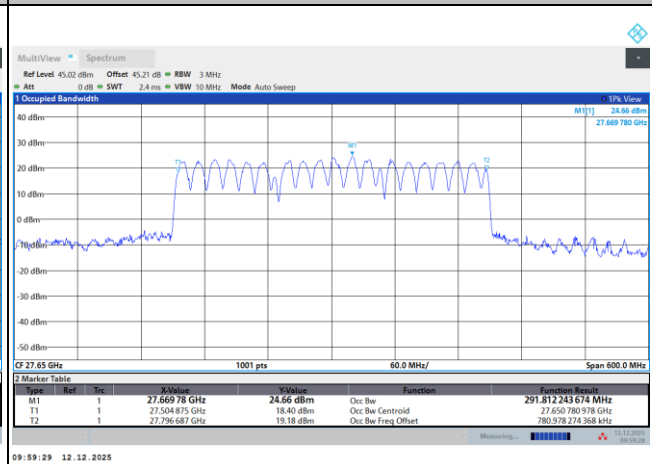
CP-OFDM

NR Band n261

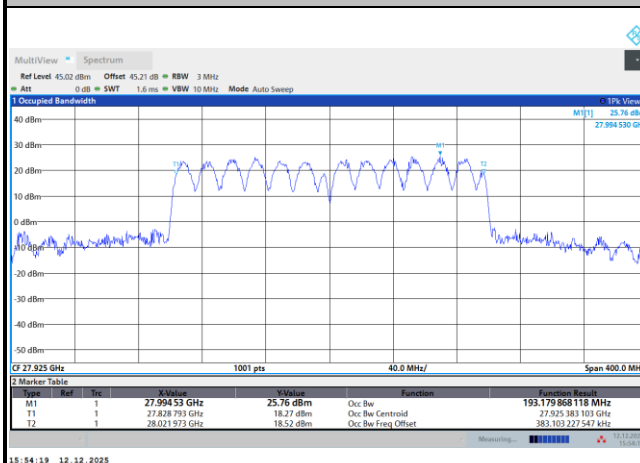
Lowest Channel / 200MHz / QPSK



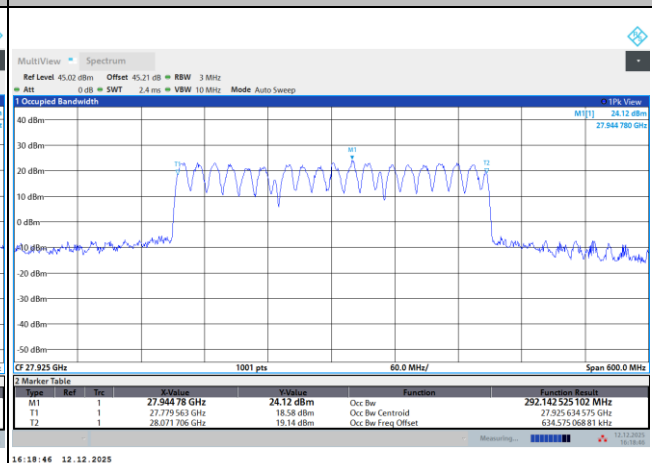
Lowest Channel / 300MHz / QPSK



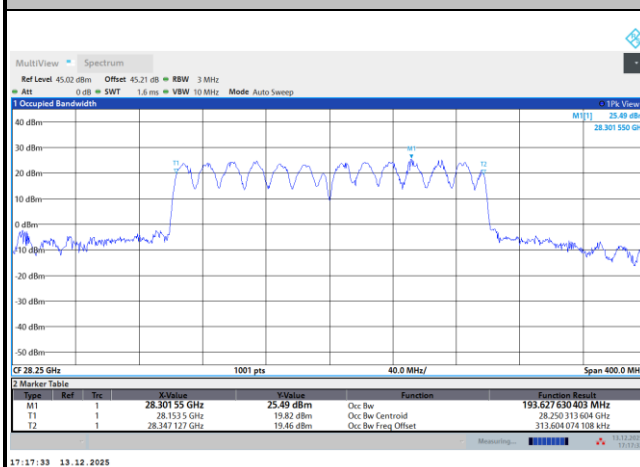
Middle Channel / 200MHz / QPSK



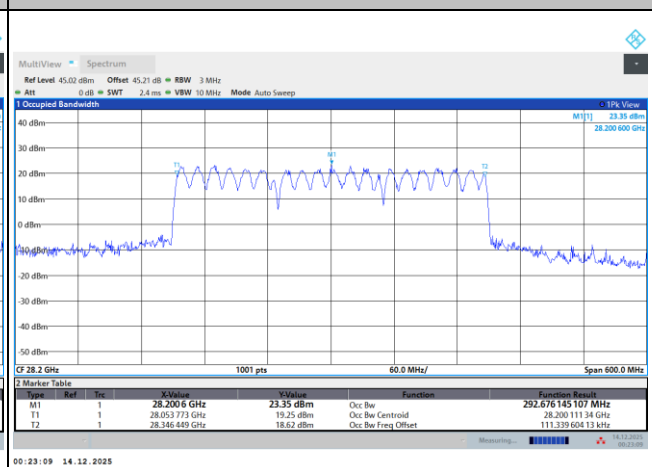
Middle Channel / 300MHz / QPSK



Highest Channel / 200MHz / QPSK



Highest Channel / 300MHz / QPSK

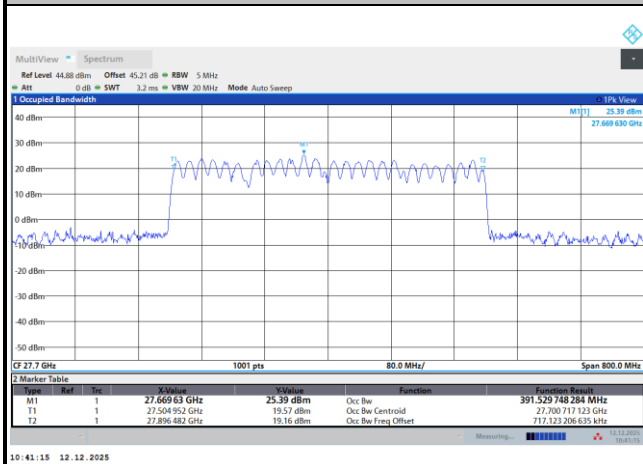




CP-OFDM

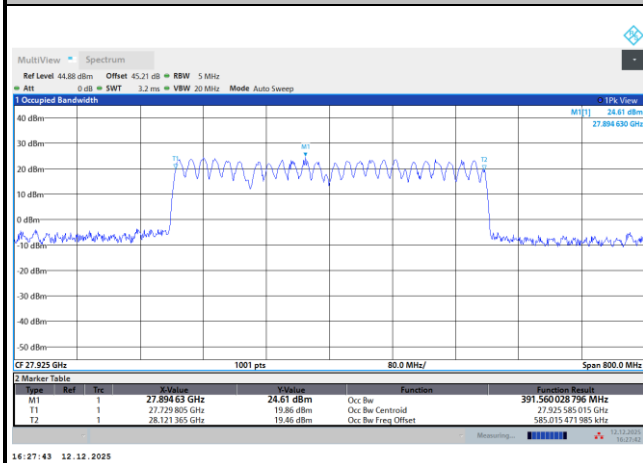
NR Band n261

Lowest Channel / 400MHz / QPSK



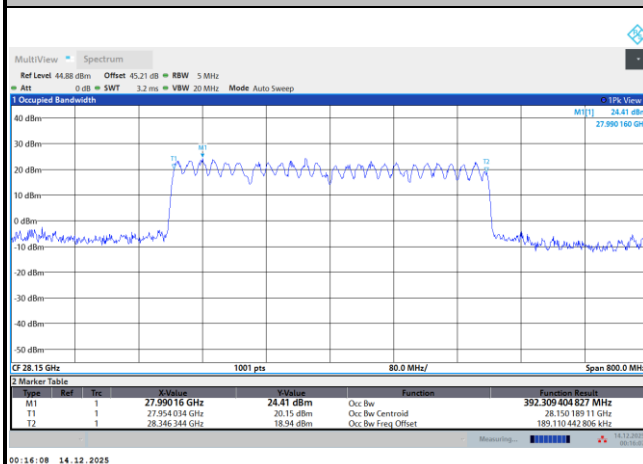
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Middle Channel / 400MHz / QPSK



intentionally blank

Highest Channel / 400MHz / QPSK



intentionally blank

Radiated Out of Band Emissions

Mode			DFT-s-OFDM NR Band n261 : BE (dBm) 1 RB								
BW			50MHz			100MHz			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-19.73	-18.78	-20.31	-8.26	-8.93	-12.64	-15.64	-29.55	-18.08
	>10%OB	≤ -13	-26.34	-26.62	-30.55	-19.32	-19.93	-23.16	-15.35	-18.71	-20.06
High CH	0~10%OB	≤ -5	-6.79	-20.34	-9.80	-10.55	-7.48	-11.79	-31.75	-31.10	-19.05
	>10%OB	≤ -13	-25.68	-24.27	-28.28	-14.81	-15.43	-17.08	-18.31	-16.52	-19.49
Result			Compliance								

Mode			DFT-s-OFDM NR Band n261 : BE (dBm) 1 RB					
BW			300MHz			400MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-31.29	-30.94	-22.98	-21.86	-20.50	-23.34
	>10%OB	≤ -13	-20.06	-18.97	-19.19	-19.40	-17.63	-21.77
High CH	0~10%OB	≤ -5	-32.90	-33.05	-21.05	-33.89	-33.84	-23.48
	>10%OB	≤ -13	-20.91	-18.63	-17.92	-18.53	-17.74	-18.63
Result			Compliance					

Mode			CP-OFDM NR Band n261 : BE (dBm) 1 RB		
BW			50MHz	100MHz	200MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≤ -5	-19.89	-11.57	-30.96
	>10%OB	≤ -13	-28.01	-20.56	-17.26
High CH	0~10%OB	≤ -5	-20.56	-8.43	-32.43
	>10%OB	≤ -13	-25.16	-16.29	-17.01
Result			Compliance		

Mode			CP-OFDM NR Band n261 : BE (dBm) 1 RB	
BW			300MHz	400MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≤ -5	-20.30	-20.83
	>10%OB	≤ -13	-14.71	-18.80
High CH	0~10%OB	≤ -5	-32.03	-33.88
	>10%OB	≤ -13	-18.86	-17.70
Result			Compliance	

Mode			DFT-s-OFDM NR Band n261 : BE (dBm) Full RB								
BW			50MHz			100MHz			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-18.65	-21.04	-14.56	-21.14	-22.22	-18.48	-21.31	-24.32	-29.89
	>10%OB	≤-13	-17.80	-20.53	-17.64	-19.62	-22.52	-19.21	-22.40	-25.38	-31.19
High CH	0~10%OB	≤-5	-19.66	-20.92	-17.73	-19.49	-21.88	-19.03	-21.85	-24.84	-30.76
	>10%OB	≤-13	-18.50	-22.01	-20.62	-18.52	-22.56	-20.39	-22.94	-26.19	-31.99
Result			Compliance								

Mode			DFT-s-OFDM NR Band n261 : BE (dBm) Full RB					
BW			300MHz			400MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-21.22	-25.06	-31.05	-23.38	-25.38	-31.66
	>10%OB	≤-13	-21.44	-25.97	-31.96	-23.47	-25.31	-32.19
High CH	0~10%OB	≤-5	-22.71	-26.00	-31.87	-22.56	-25.66	-31.92
	>10%OB	≤-13	-24.00	-26.69	-32.79	-23.14	-26.43	-32.65
Result			Compliance					

Mode			CP-OFDM NR Band n261 : BE (dBm) Full RB		
BW			50MHz	100MHz	200MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≤-5	-20.30	-22.81	-19.58
	>10%OB	≤-13	-19.97	-21.49	-20.88
High CH	0~10%OB	≤-5	-21.79	-20.02	-18.35
	>10%OB	≤-13	-19.99	-21.32	-20.47
Result			Compliance		

Mode			CP-OFDM NR Band n261 : BE (dBm) Full RB	
BW			300MHz	400MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≤-5	-21.04	-22.05
	>10%OB	≤-13	-22.53	-22.73
High CH	0~10%OB	≤-5	-21.54	-22.50
	>10%OB	≤-13	-23.15	-23.57
Result			Compliance	

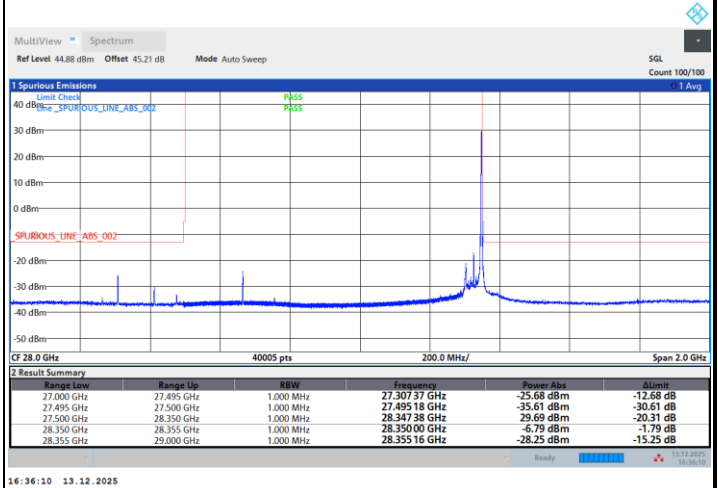
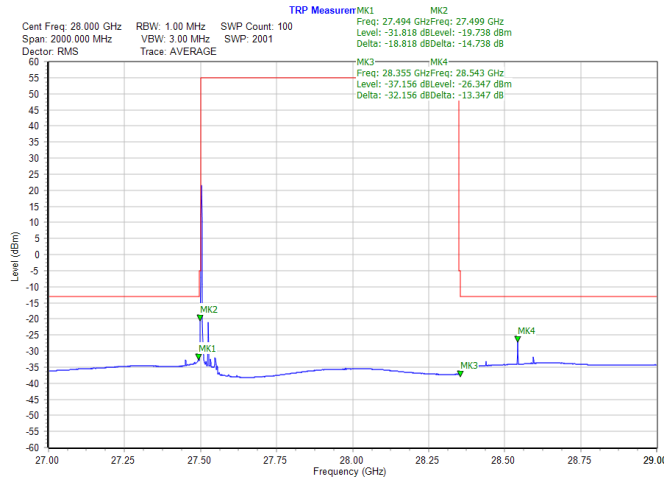


DFT-s-OFDM

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB

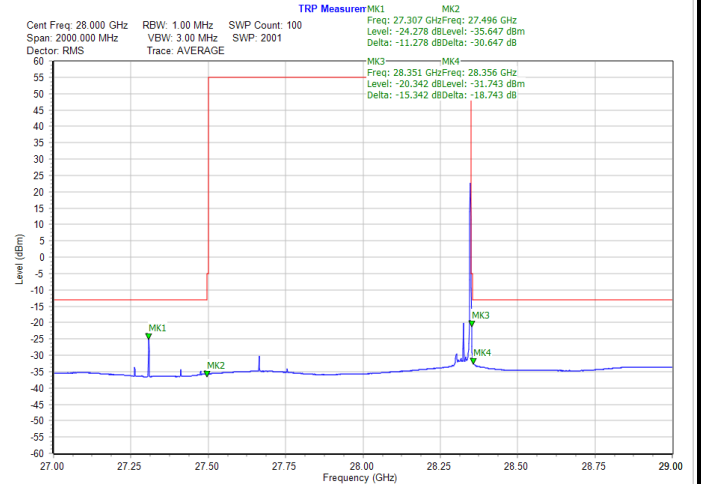
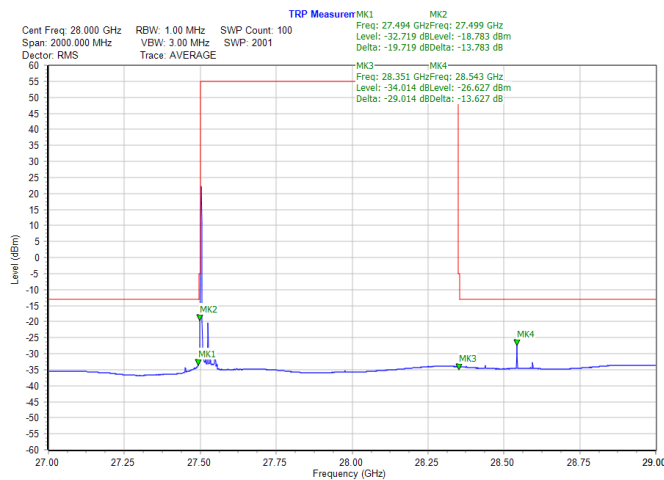
Highest Band Edge / 1 RB



NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



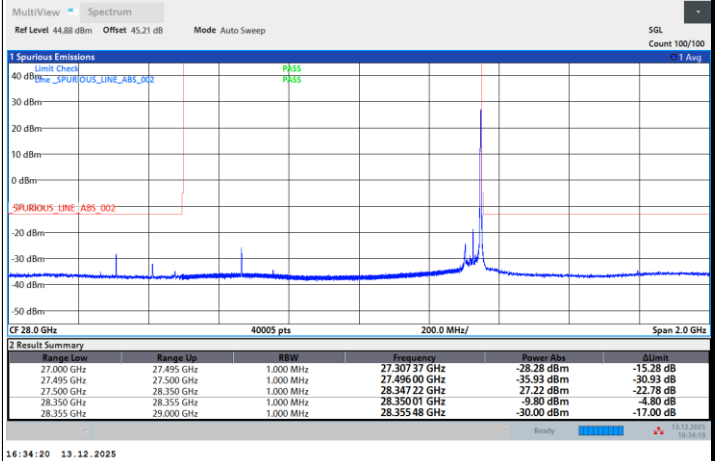
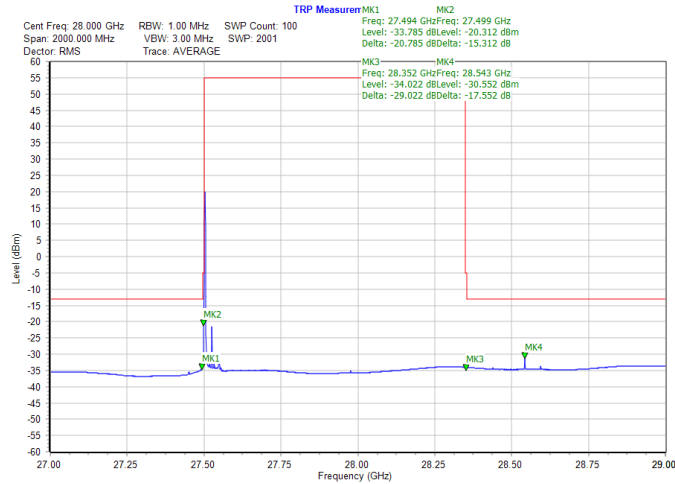


DFT-s-OFDM

NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / 1 RB

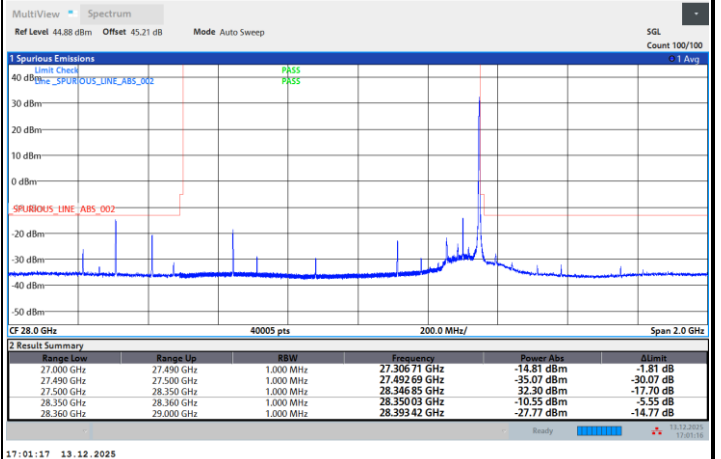
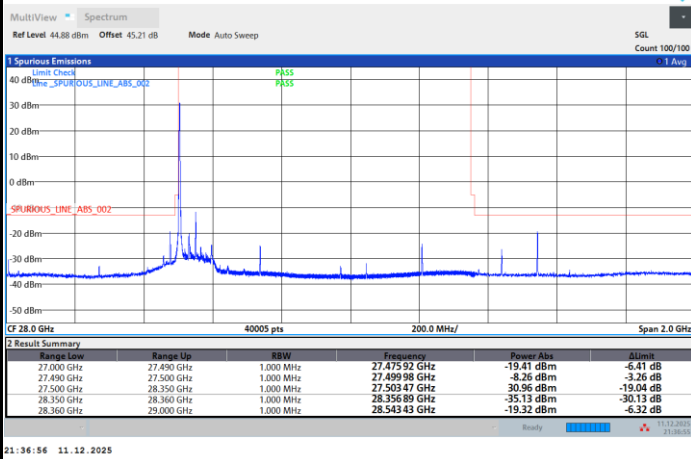
Highest Band Edge / 1 RB



NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

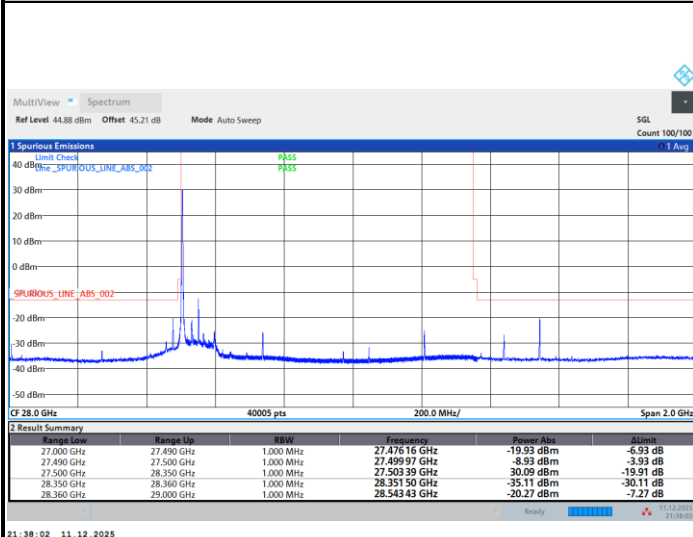




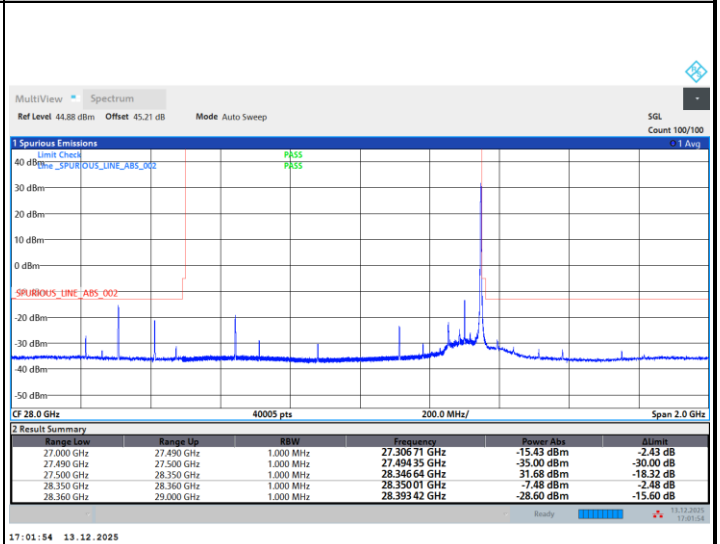
DFT-s-OFDM

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / 1 RB

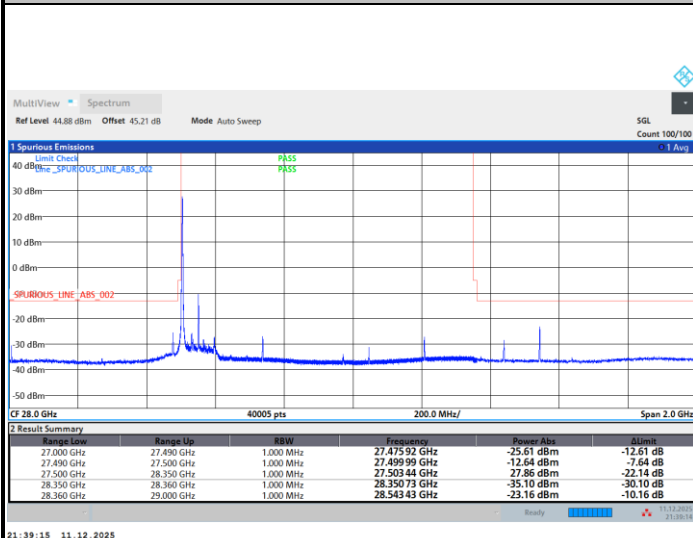


Highest Band Edge / 1 RB



NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

