

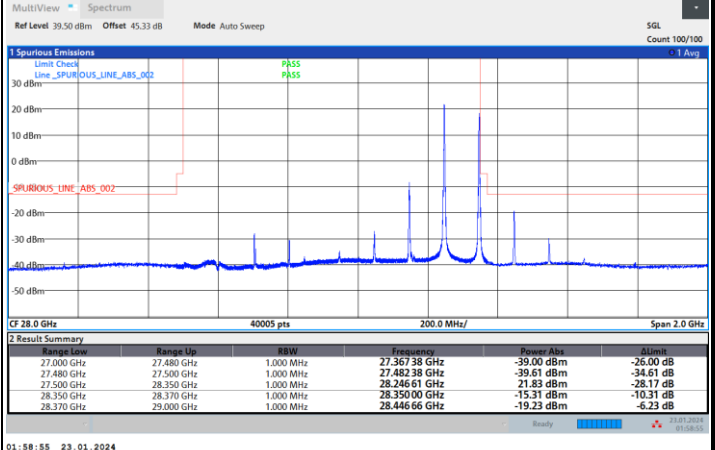
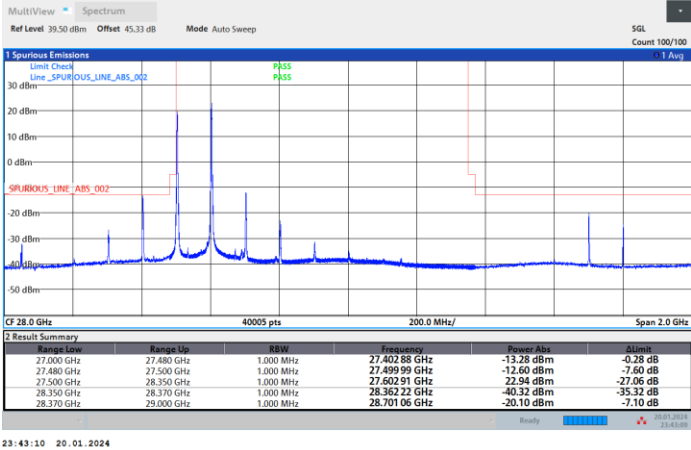


CP-OFDM Module A

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / 1 RB

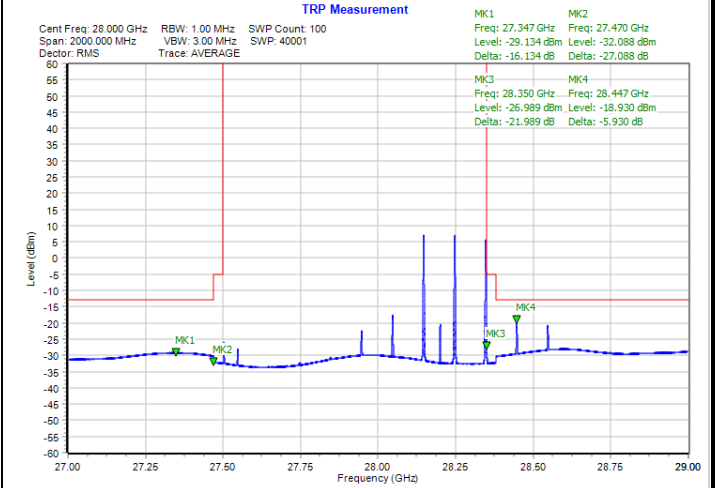
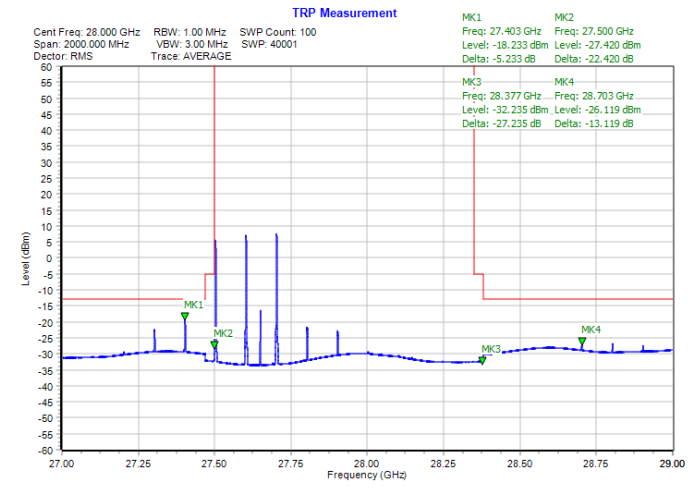
Highest Band Edge / 1 RB



NR Band n261 / 300MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



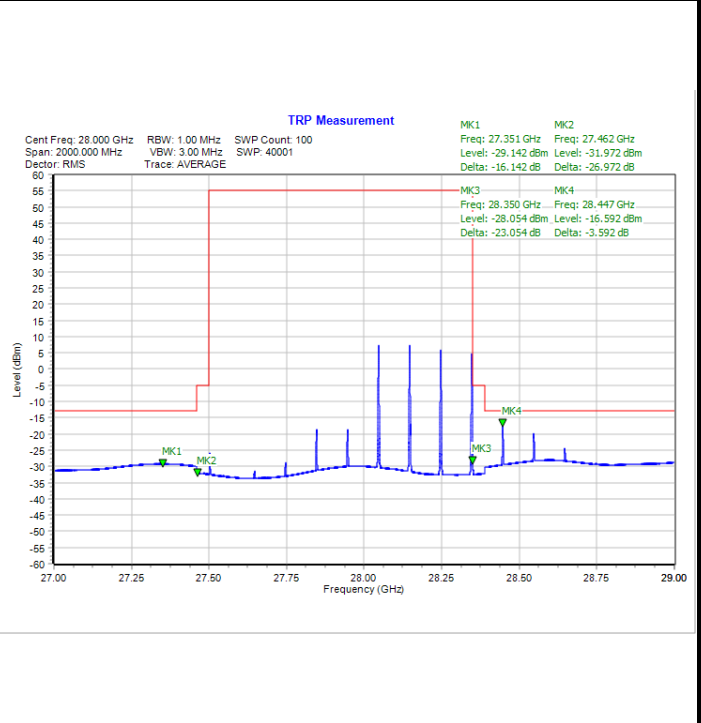
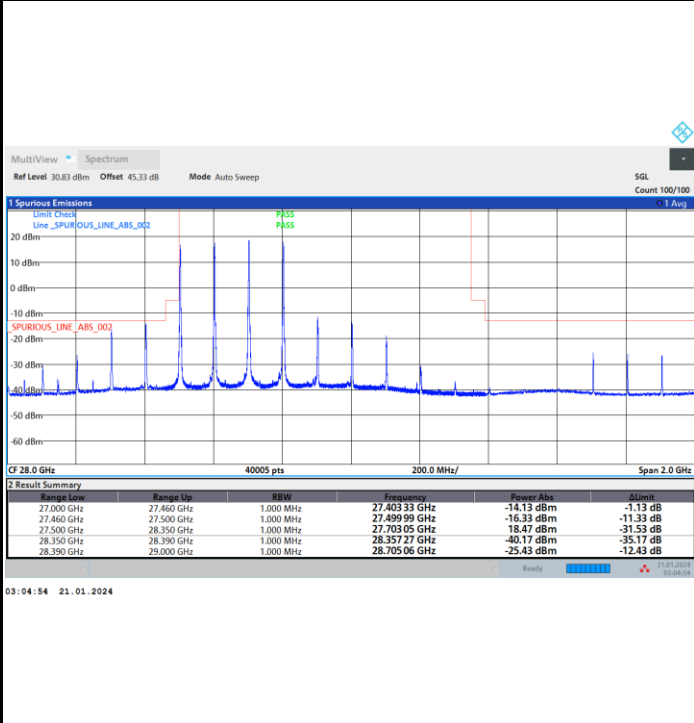


CP-OFDM Module A

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



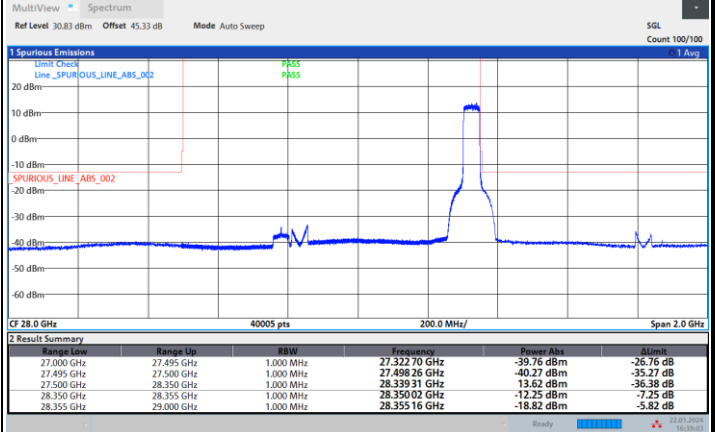
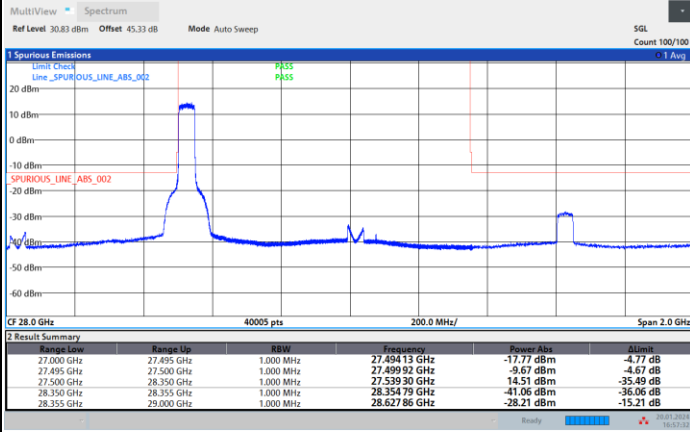


DFT-s-OFDM Module A

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB

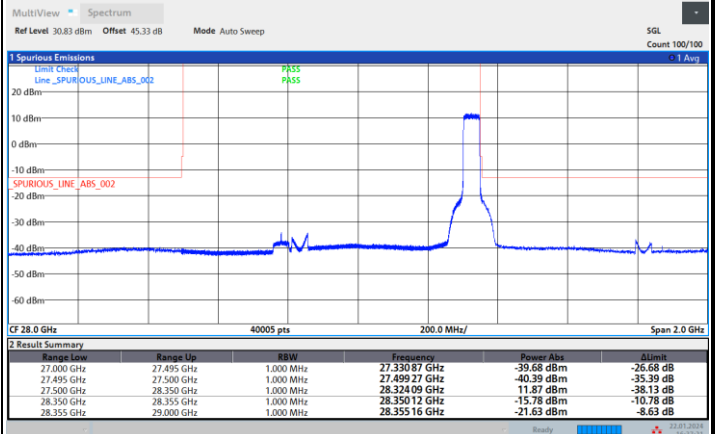
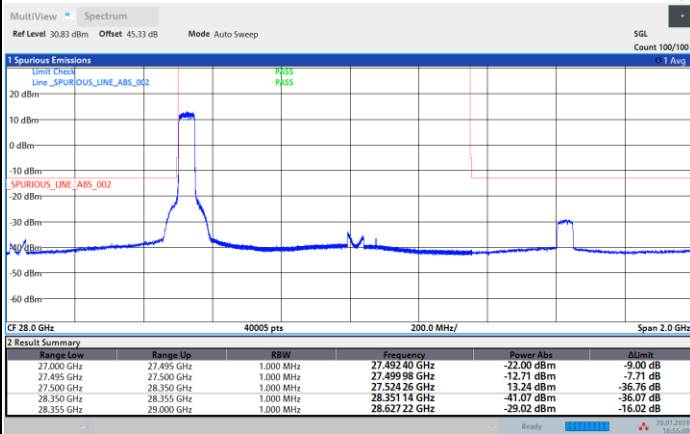
Highest Band Edge / Full RB



NR Band n261 / 50MHz / 16QAM

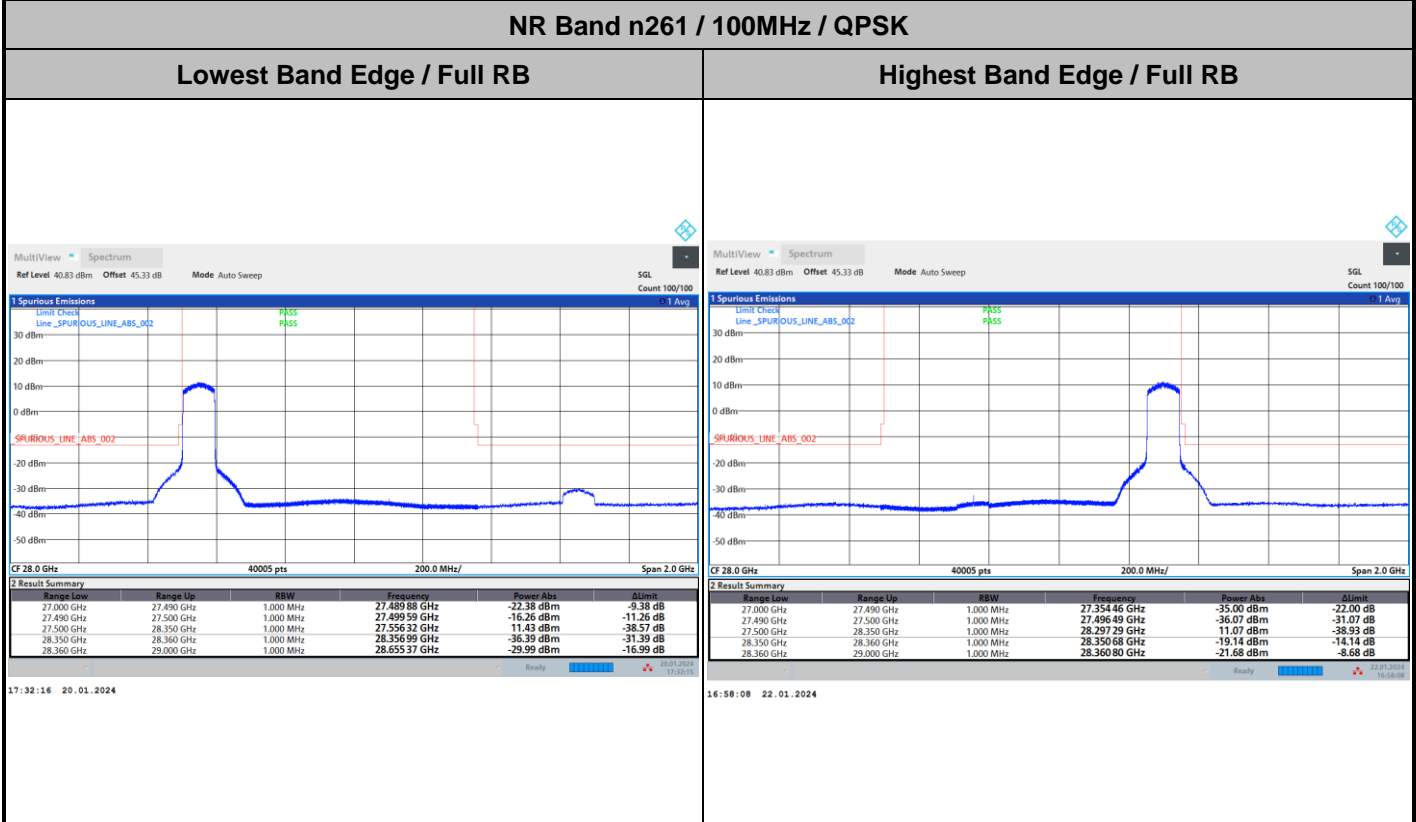
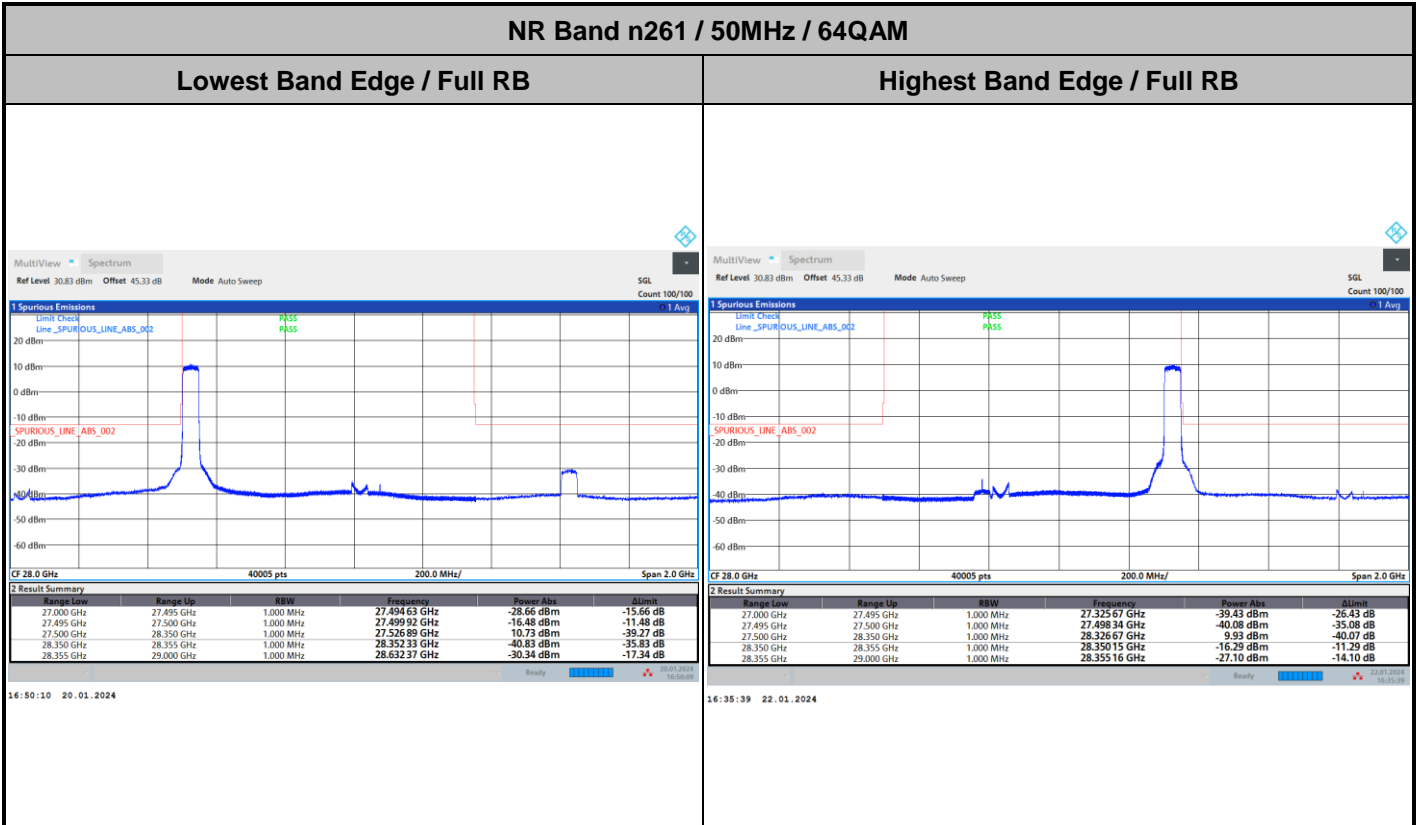
Lowest Band Edge / Full RB

Highest Band Edge / Full RB





DFT-s-OFDM Module A



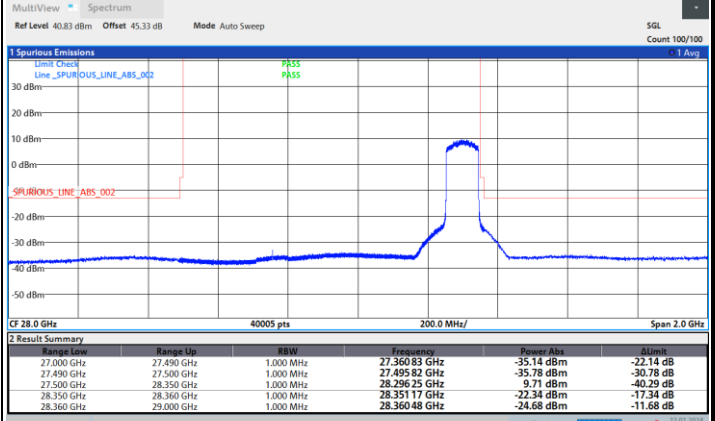
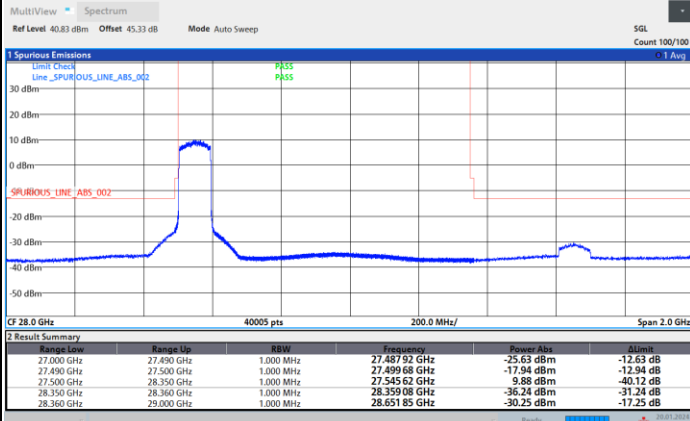


DFT-s-OFDM Module A

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / Full RB

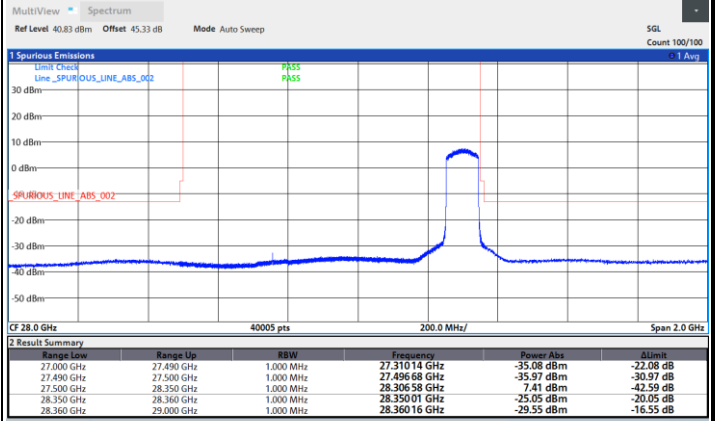
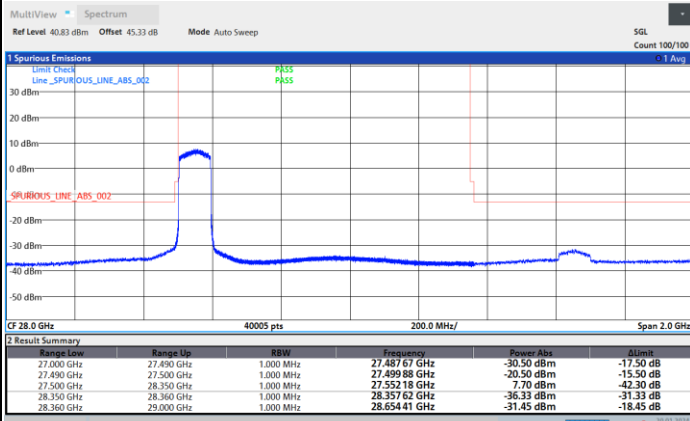
Highest Band Edge / Full RB



NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



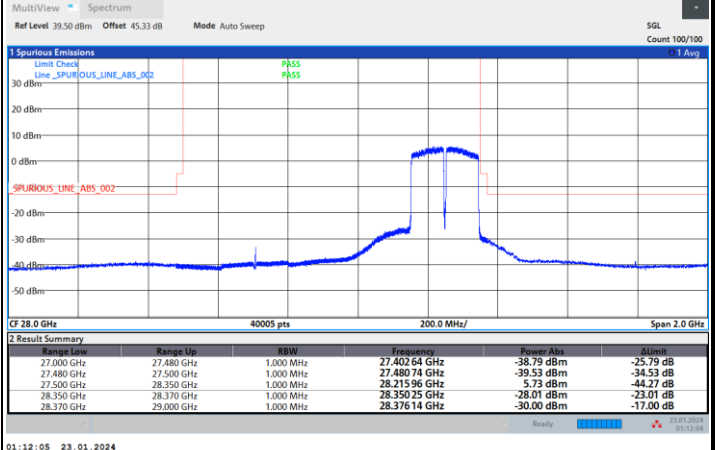
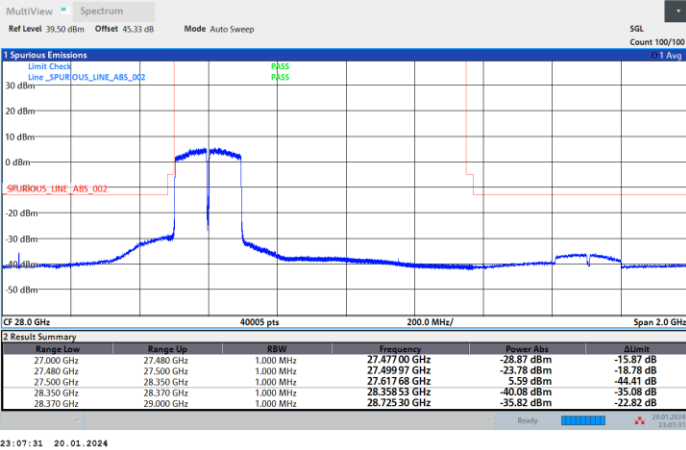


DFT-s-OFDM Module A

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB

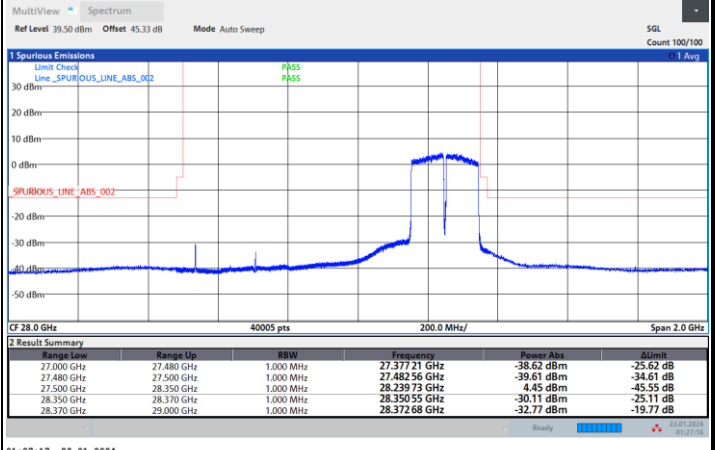
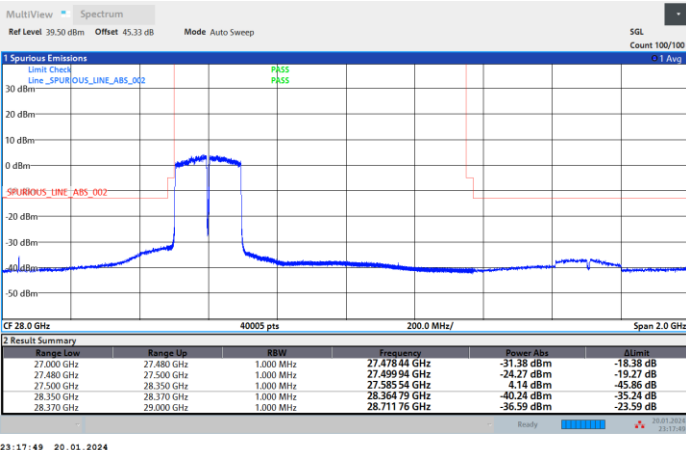
Highest Band Edge / Full RB



NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

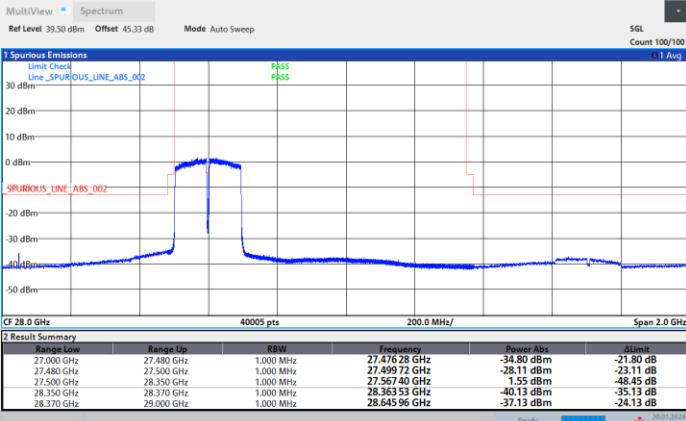




DFT-s-OFDM Module A

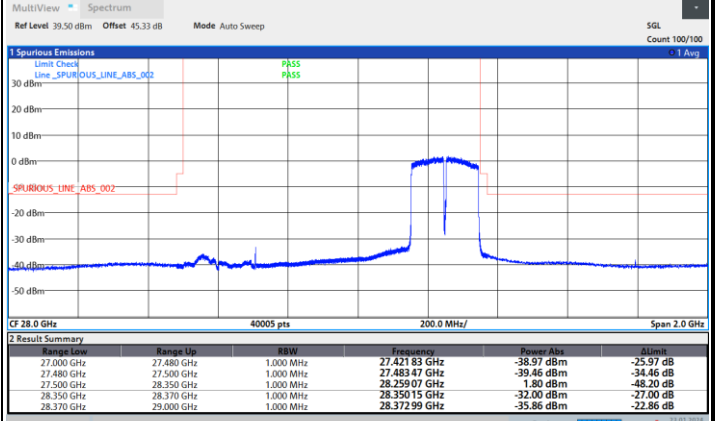
NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / Full RB



23:27:17 20. 01. 2024

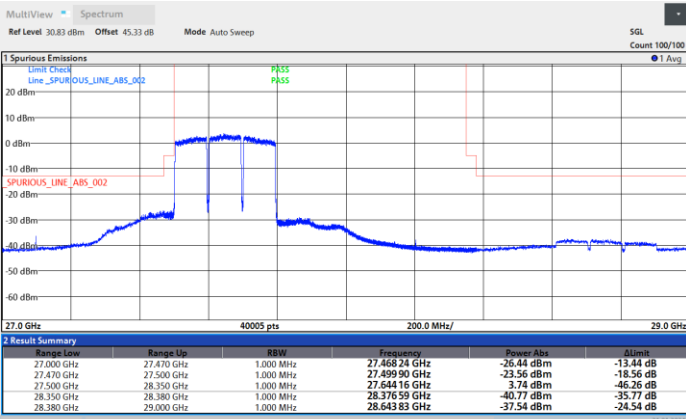
Highest Band Edge / Full RB



01:36:54 23. 01. 2024

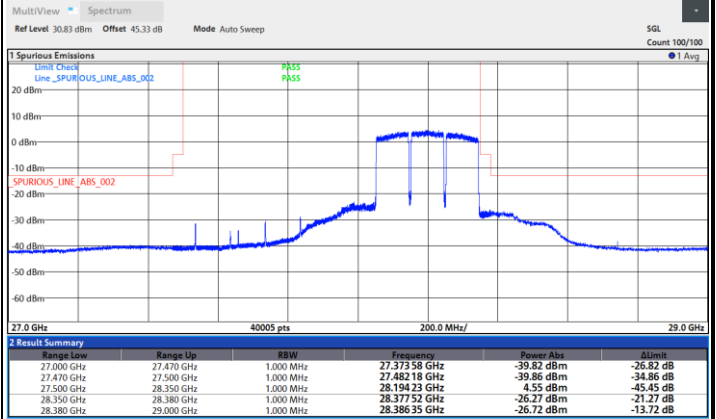
NR Band n261 / 300MHz / QPSK

Lowest Band Edge / Full RB



00:34:27 21. 01. 2024

Highest Band Edge / Full RB



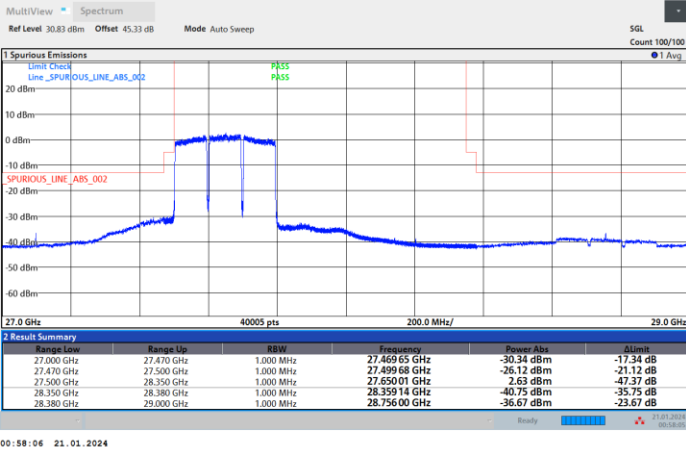
02:53:52 23. 01. 2024



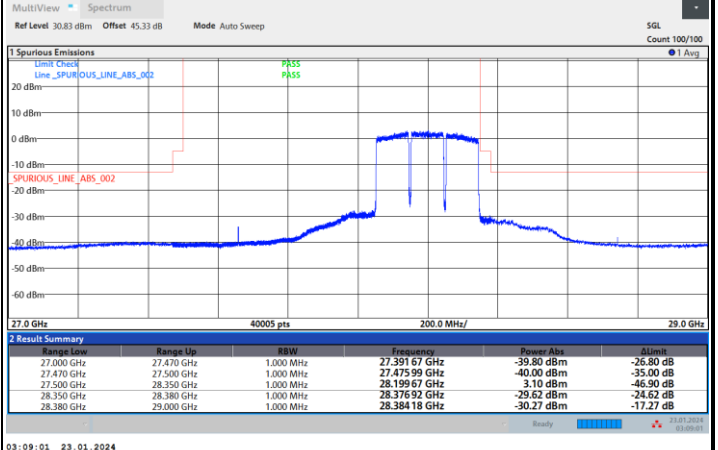
DFT-s-OFDM Module A

NR Band n261 / 300MHz / 16QAM

Lowest Band Edge / Full RB

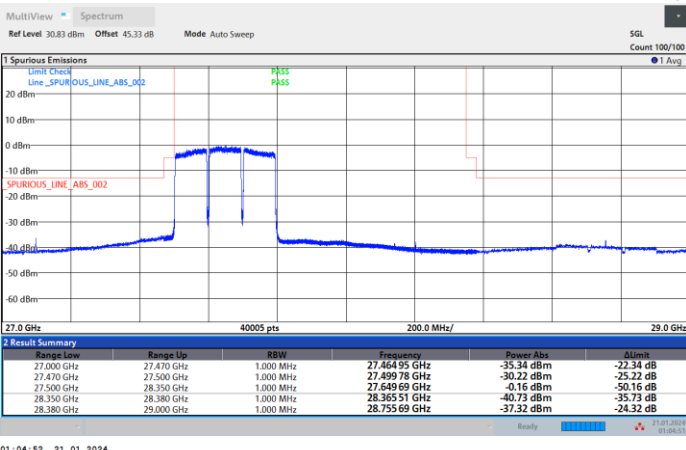


Highest Band Edge / Full RB

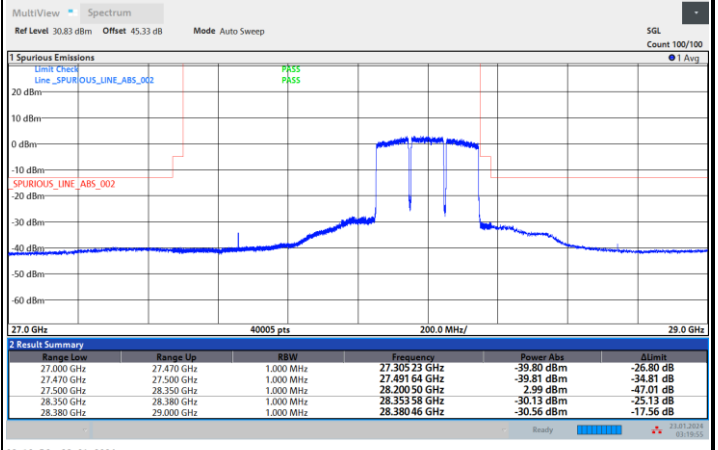


NR Band n261 / 300MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



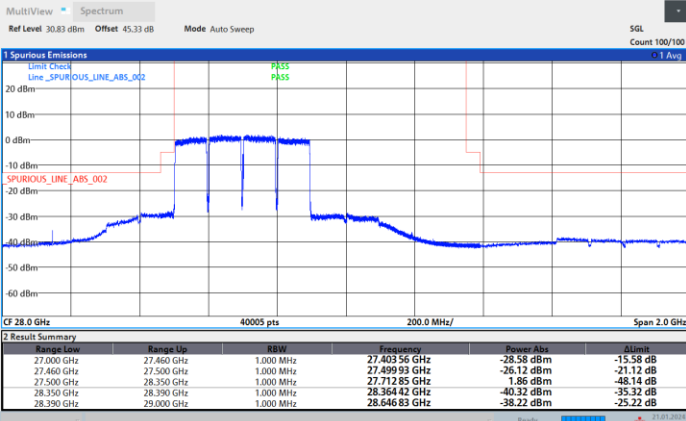




DFT-s-OFDM Module A

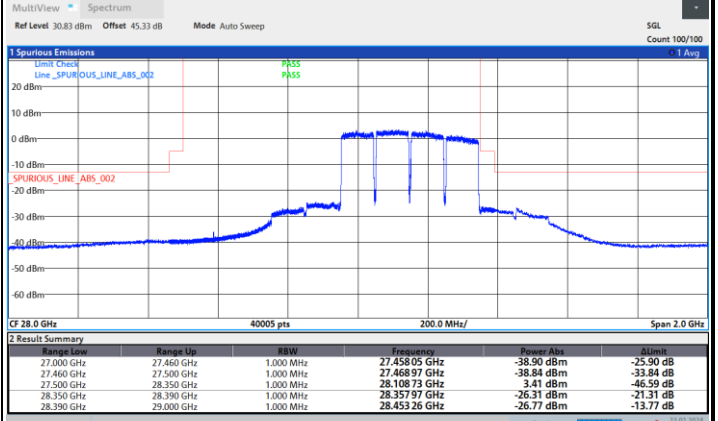
NR Band n261 / 400MHz / QPSK

Lowest Band Edge / Full RB



02:30:29 21. 01. 2024

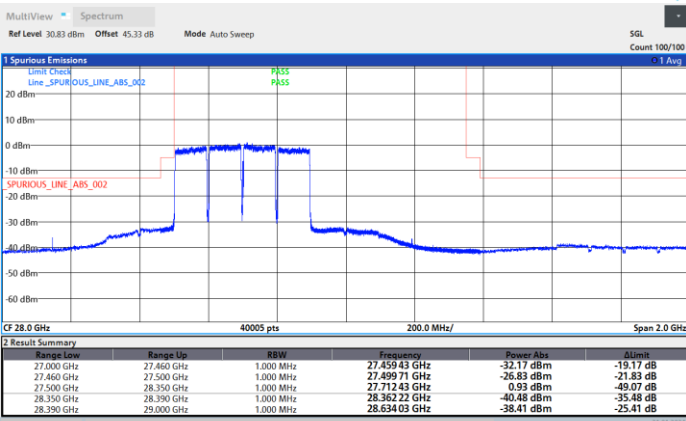
Highest Band Edge / Full RB



04:26:07 23. 01. 2024

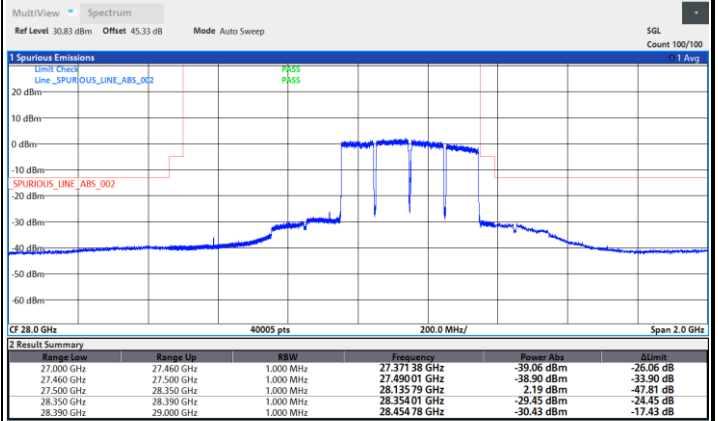
NR Band n261 / 400MHz / 16QAM

Lowest Band Edge / Full RB



02:37:25 21. 01. 2024

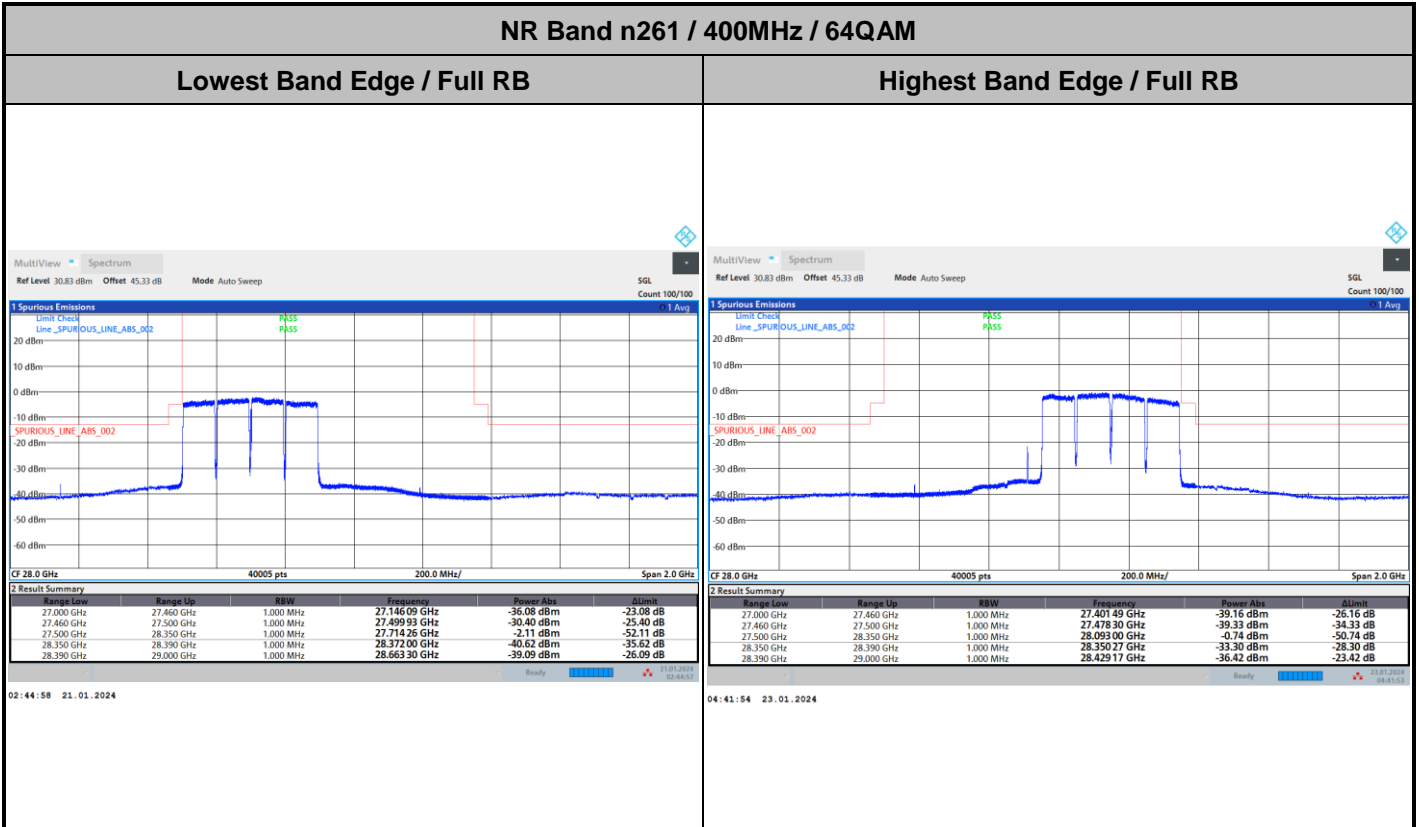
Highest Band Edge / Full RB



04:34:06 23. 01. 2024



DFT-s-OFDM Module A



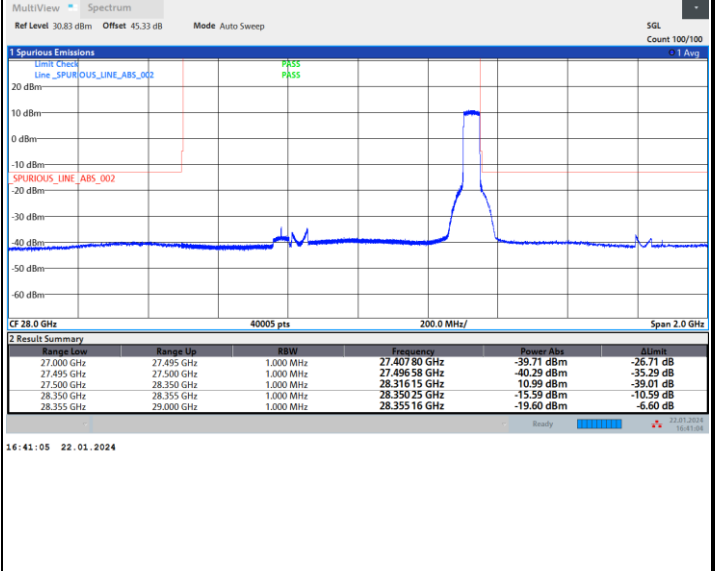
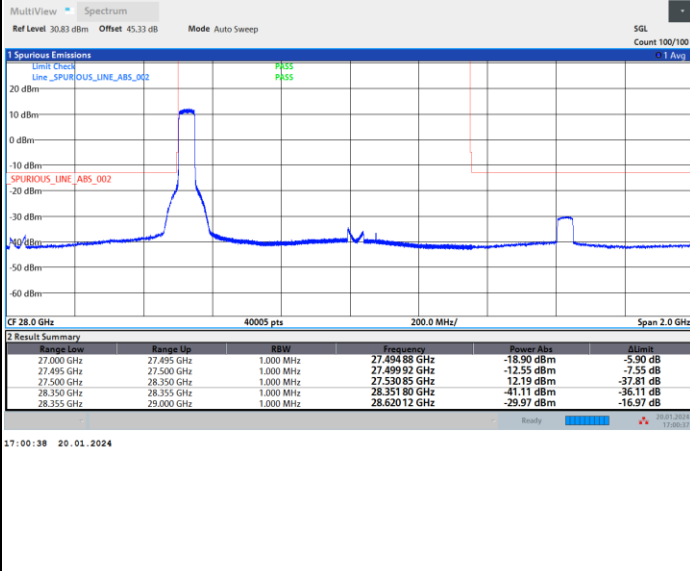


CP-OFDM Module A

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB

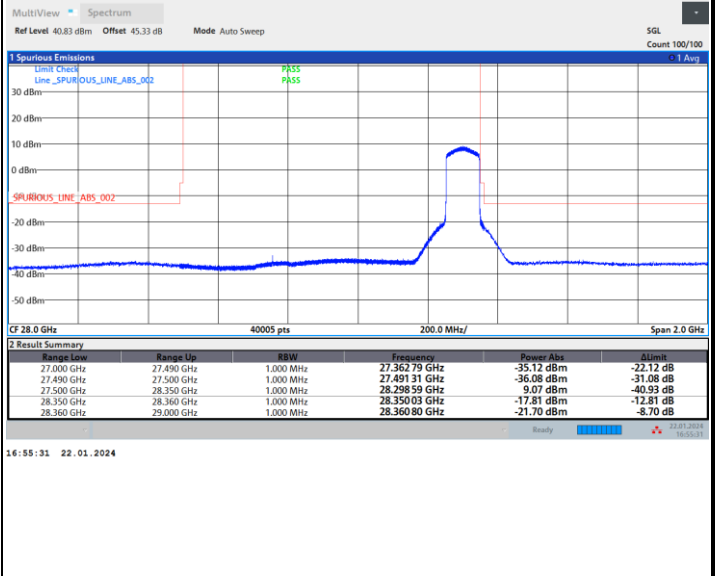
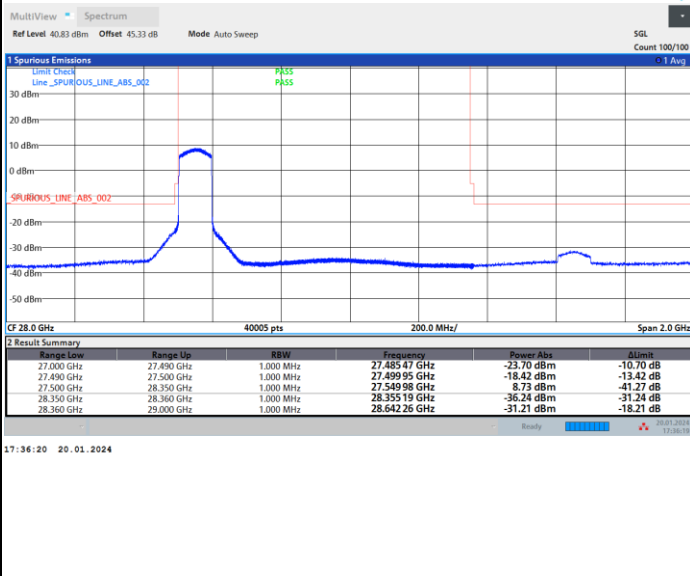
Highest Band Edge / Full RB



NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



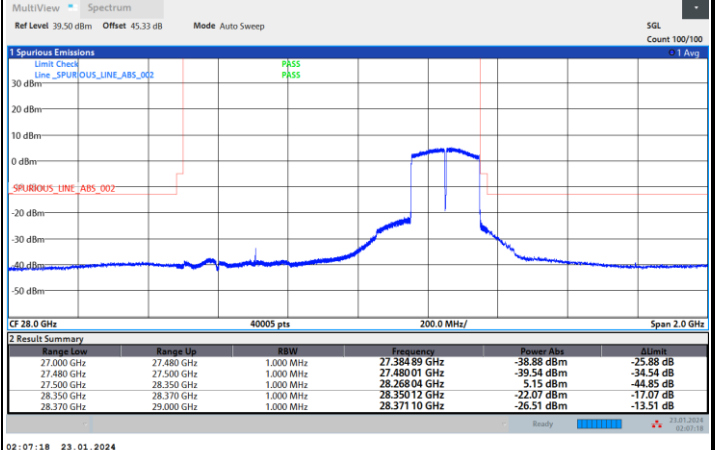
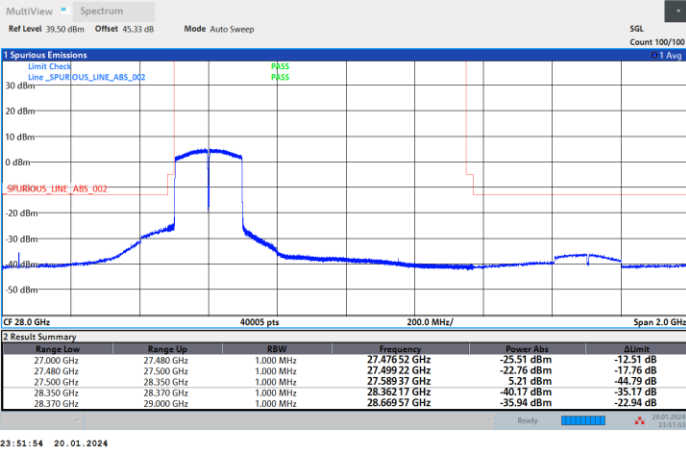


CP-OFDM Module A

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB

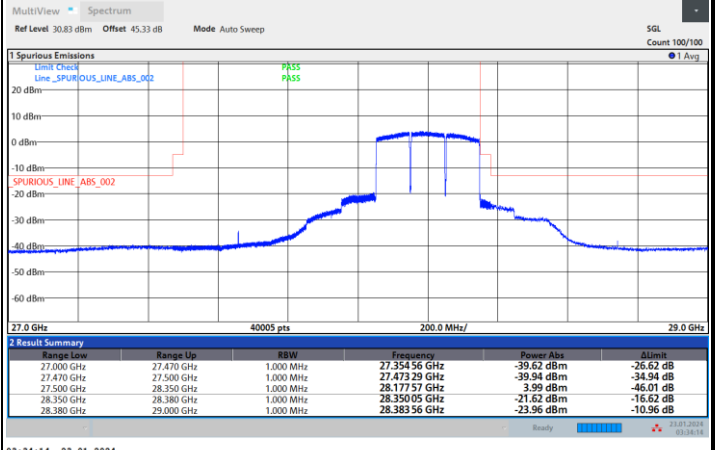
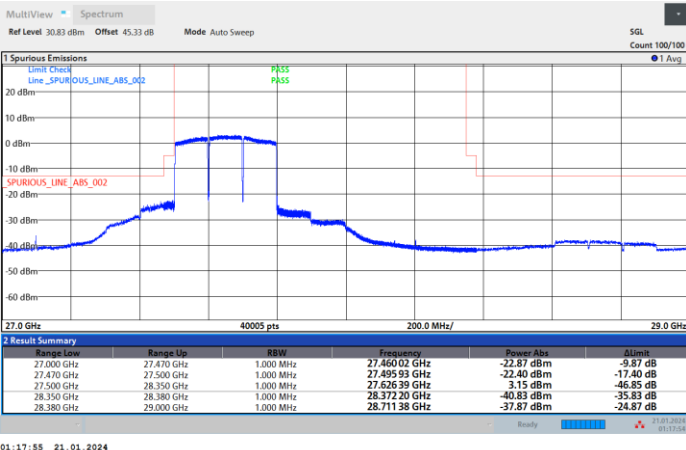
Highest Band Edge / Full RB



NR Band n261 / 300MHz / QPSK

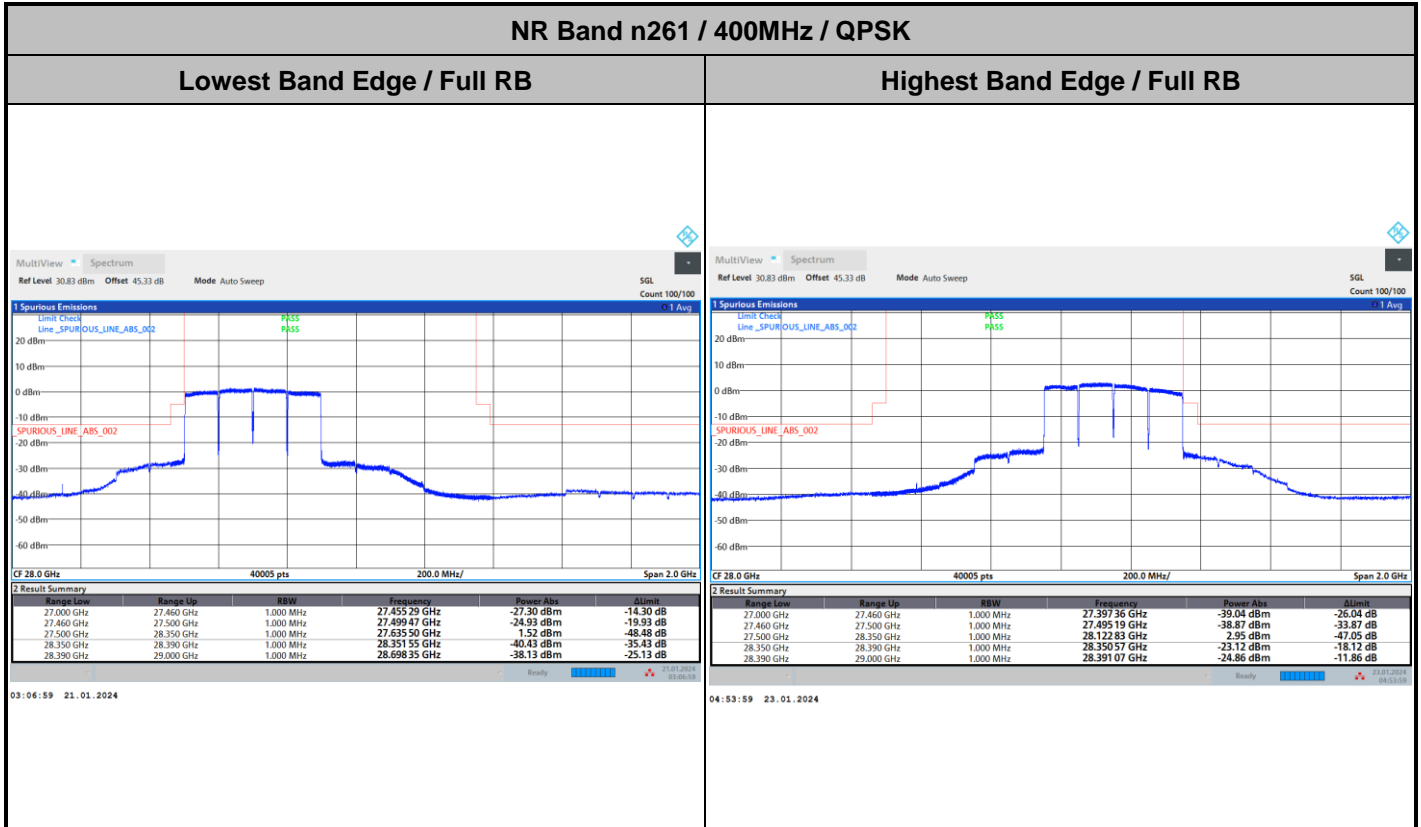
Lowest Band Edge / Full RB

Highest Band Edge / Full RB





CP-OFDM Module A

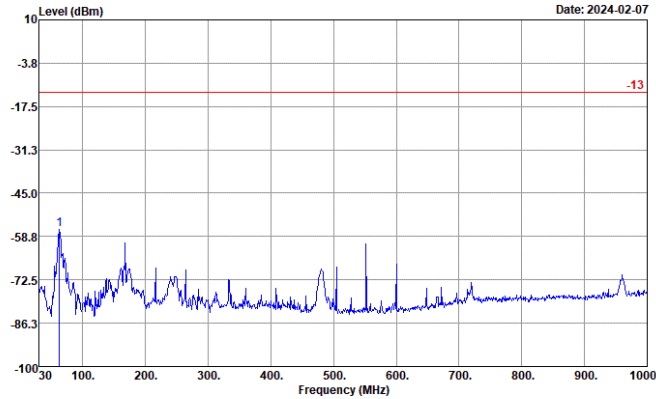




# Spurious Emission

## NR Band n261 (30MHz-1GHz)

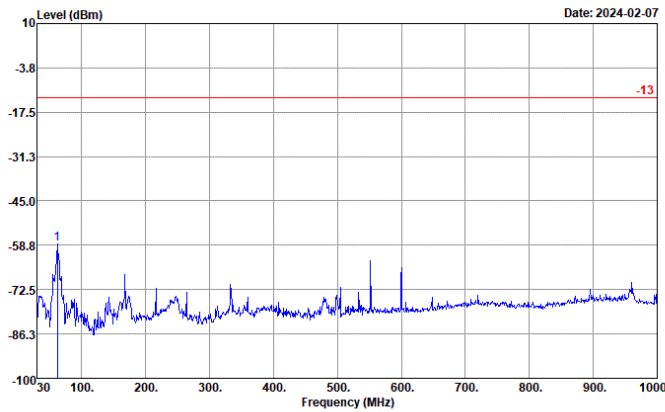
### Horizontal



Site : 03CH10-HY  
 Condition : -13 EIRP\_WO HORIZONTAL  
 Project : 3N2326  
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	62.98	-56.42	-43.42 -13.00

### Vertical



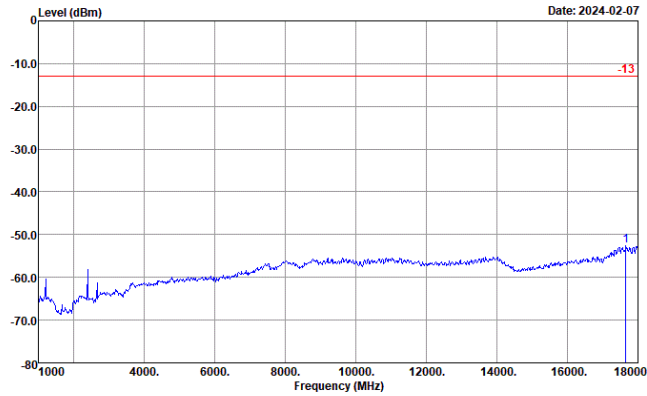
Site : 03CH10-HY  
 Condition : -13 EIRP\_WO VERTICAL  
 Project : 3N2326  
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	62.01	-58.28	-45.28 -13.00



NR Band n261 (1GHz-18GHz)

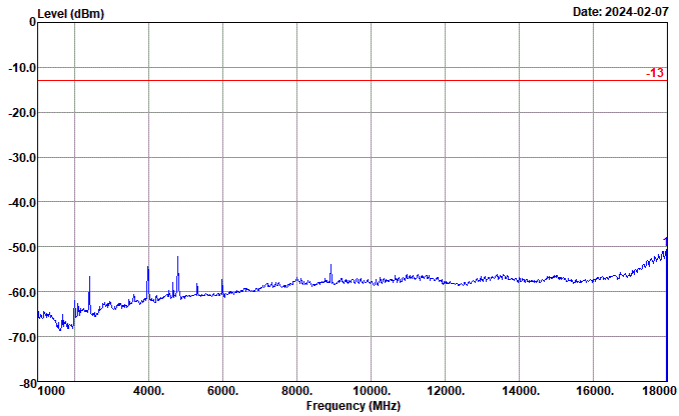
Horizontal



Site : 03CH10-HY  
 Condition : -13 EIRP\_WO HORIZONTAL  
 Project : 3N2326  
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1 17660.00	-52.62	-39.62	-13.00

Vertical



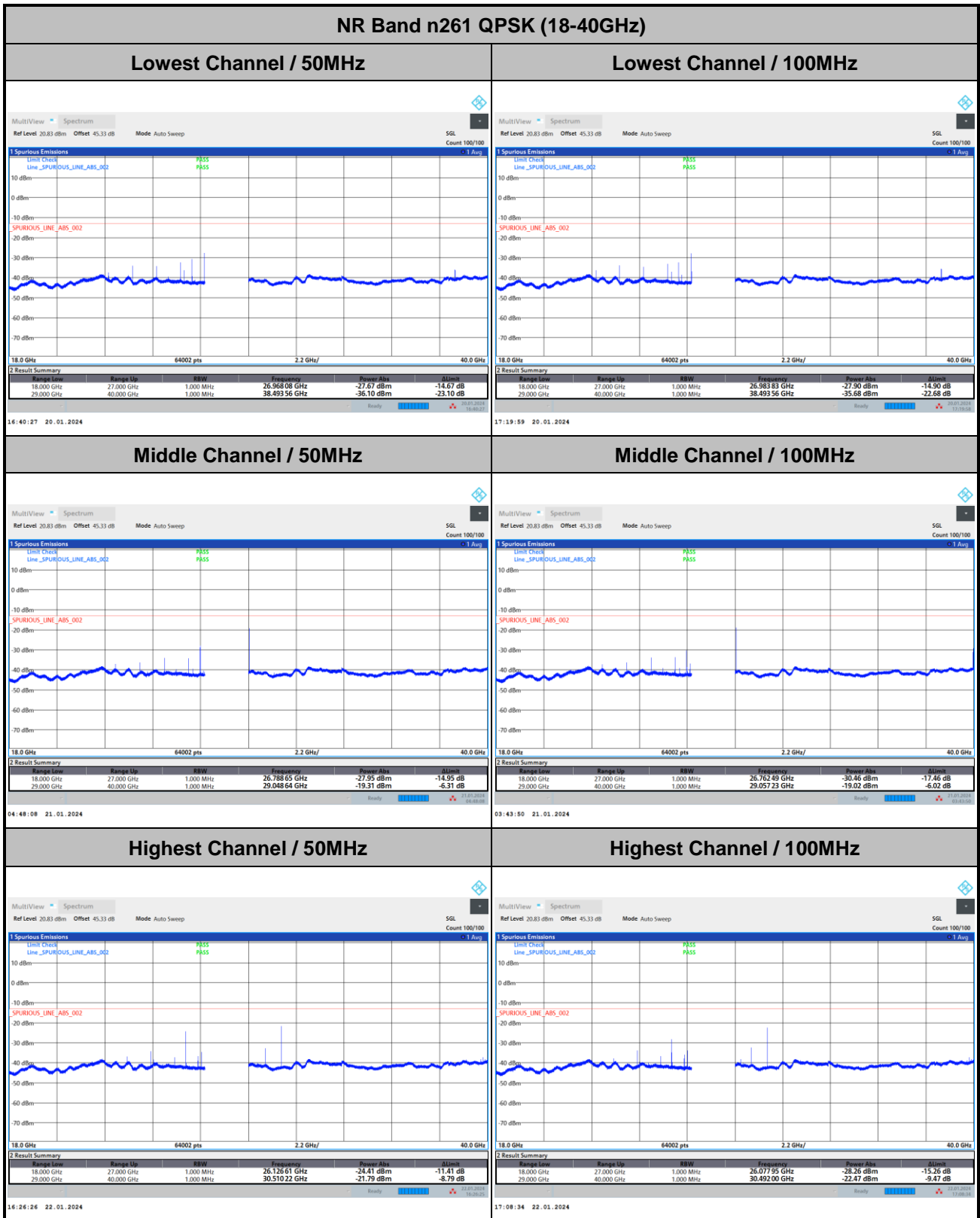
Site : 03CH10-HY  
 Condition : -13 EIRP\_WO VERTICAL  
 Project : 3N2326  
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1 17966.00	-50.62	-37.62	-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.

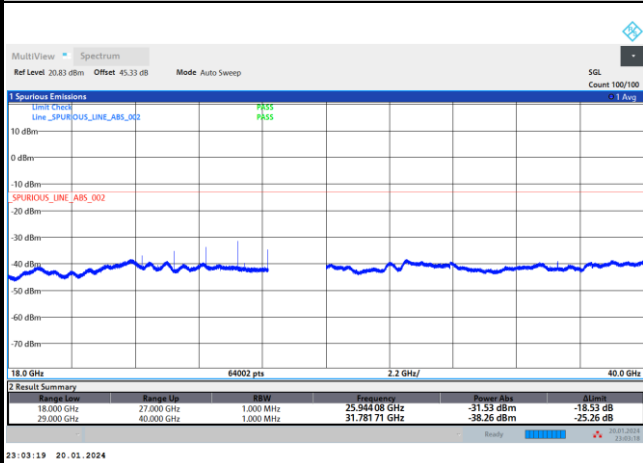




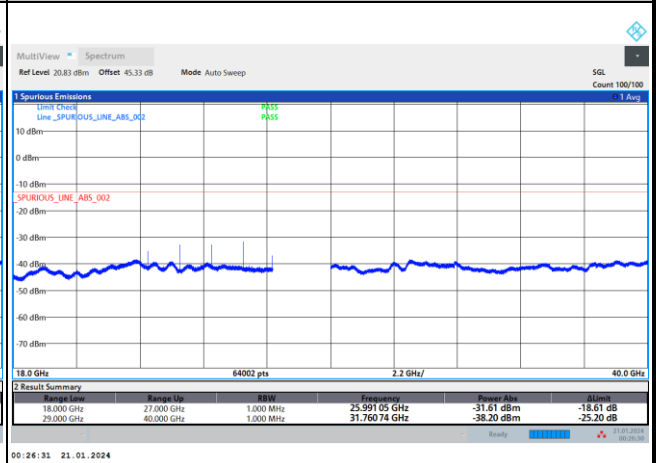
DFT-s-OFDM Module A

NR Band n261 QPSK (18-40GHz)

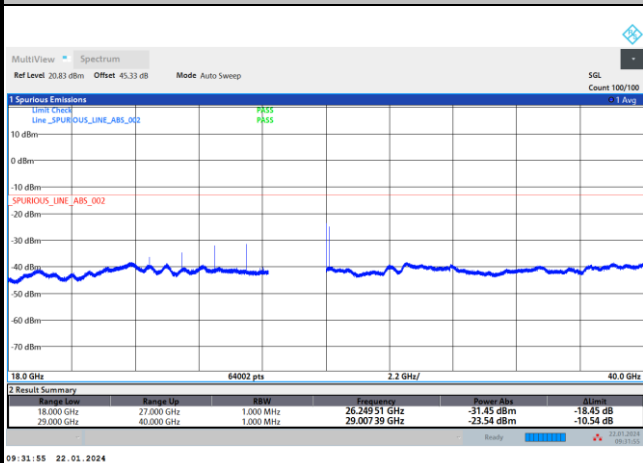
Lowest Channel / 200MHz



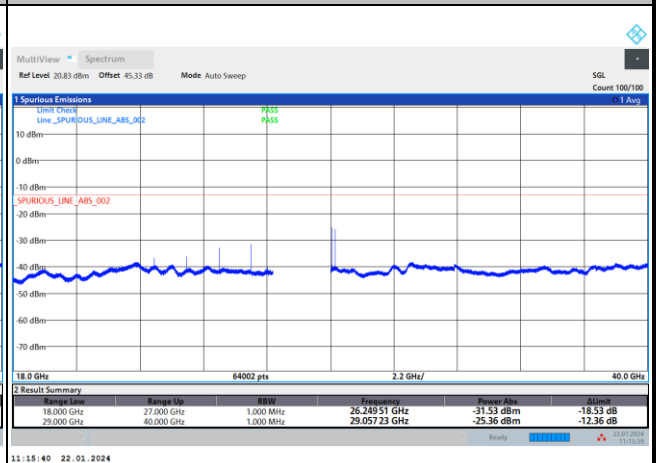
Lowest Channel / 300MHz



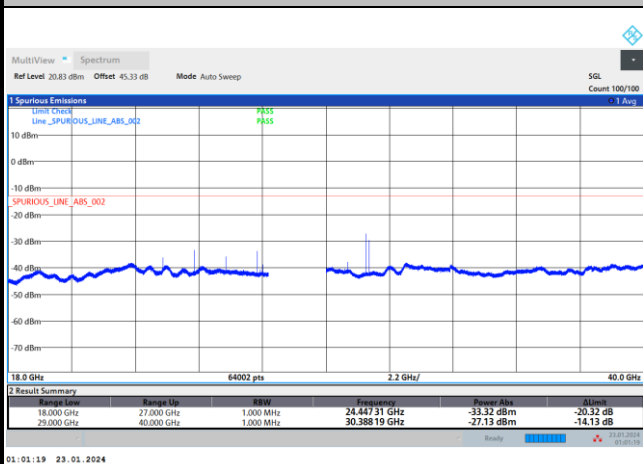
Middle Channel / 200MHz



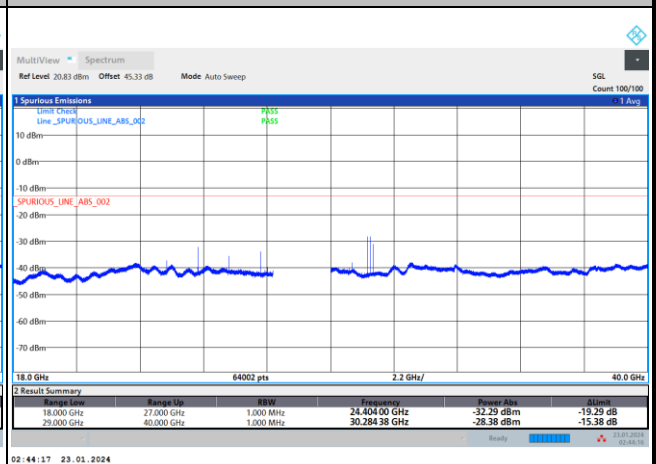
Middle Channel / 300MHz



Highest Channel / 200MHz



Highest Channel / 300MHz



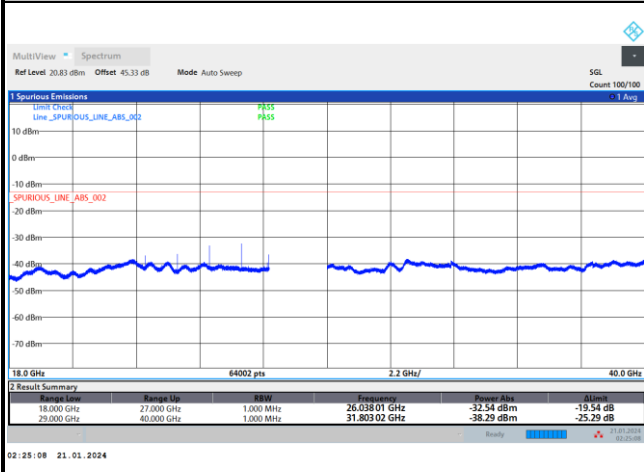
Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module A

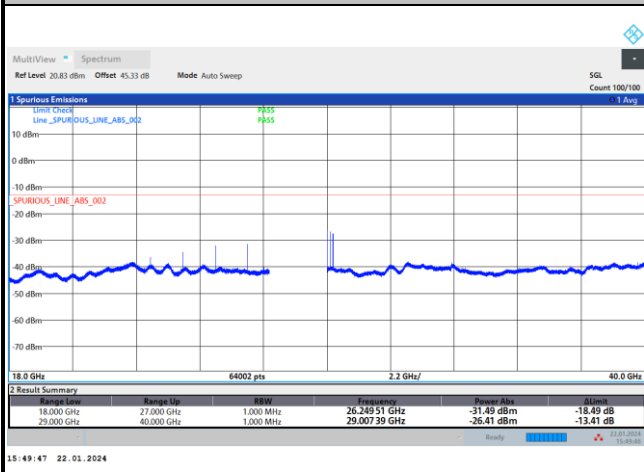
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 400MHz



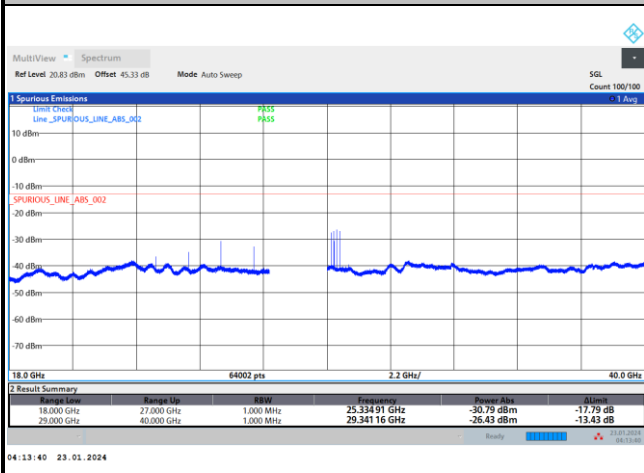
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Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz

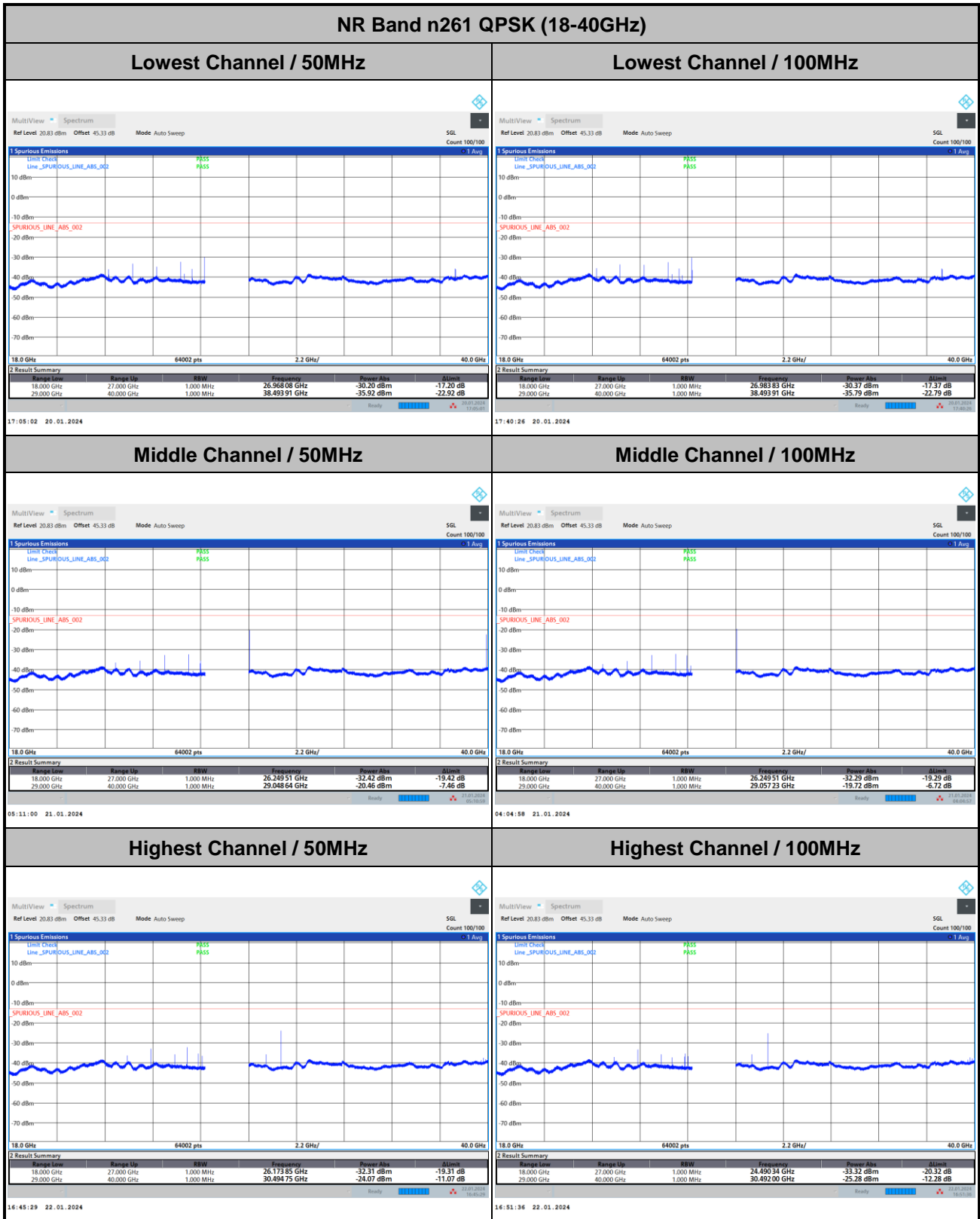


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Remark: In band and out of band frequencies are omitted.



CP-OFDM Module A



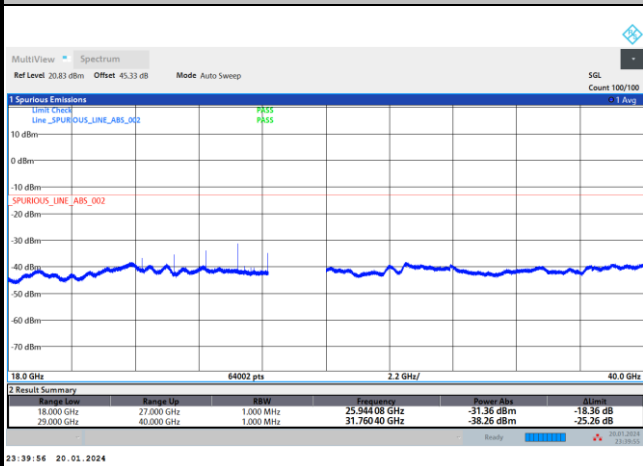
Remark: In band and out of band frequencies are omitted.



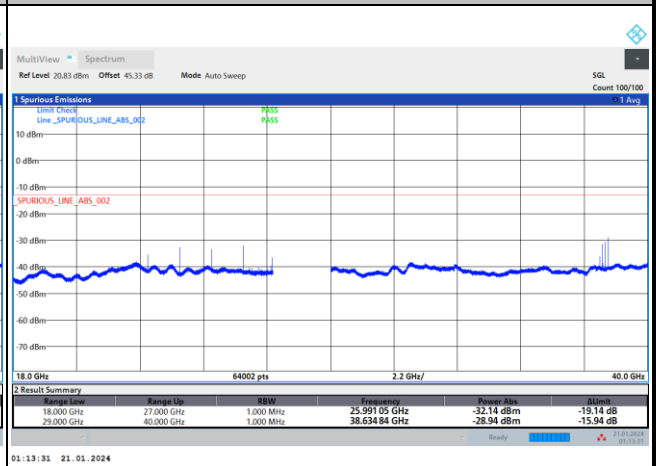
CP-OFDM Module A

NR Band n261 QPSK (18-40GHz)

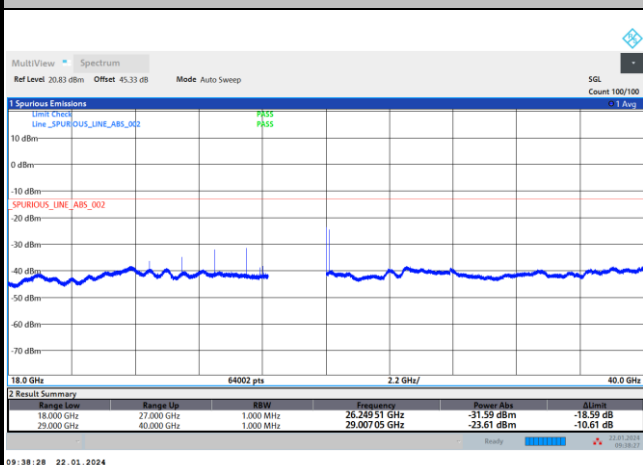
Lowest Channel / 200MHz



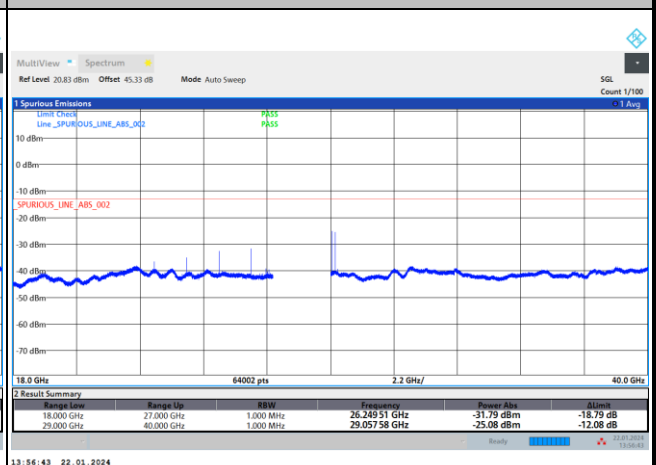
Lowest Channel / 300MHz



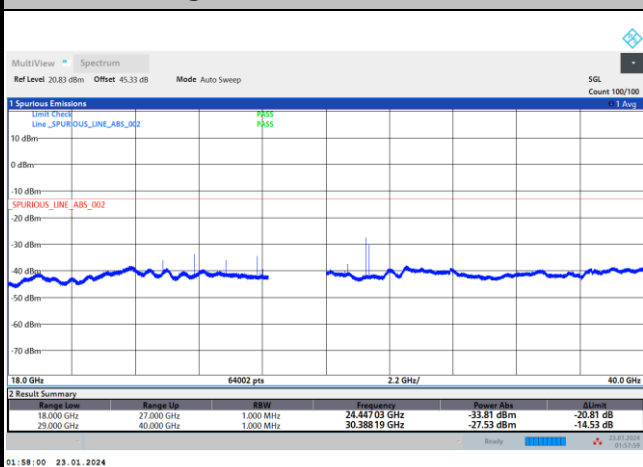
Middle Channel / 200MHz



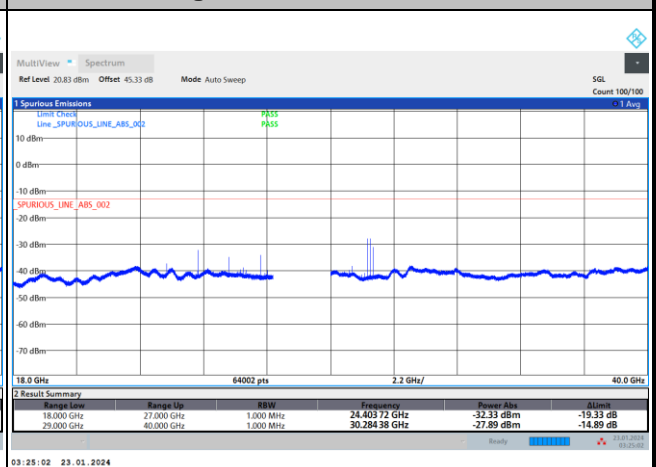
Middle Channel / 300MHz



Highest Channel / 200MHz



Highest Channel / 300MHz



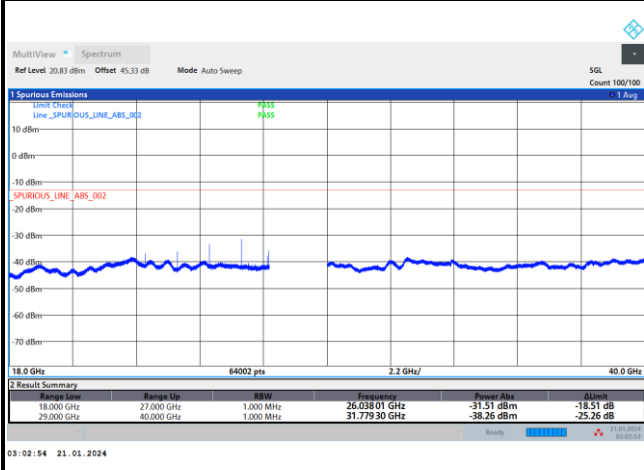
Remark: In band and out of band frequencies are omitted.



CP-OFDM Module A

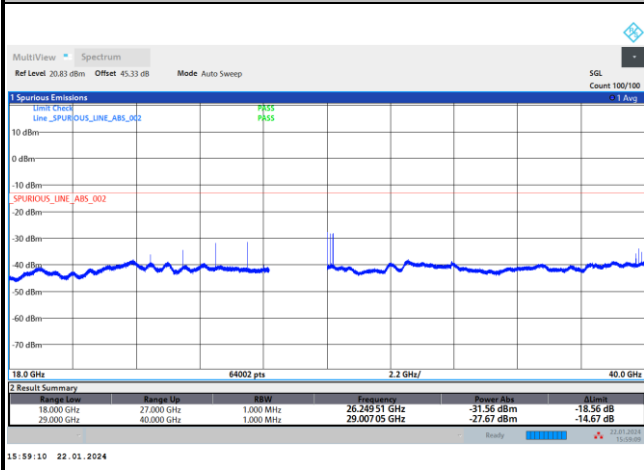
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 400MHz



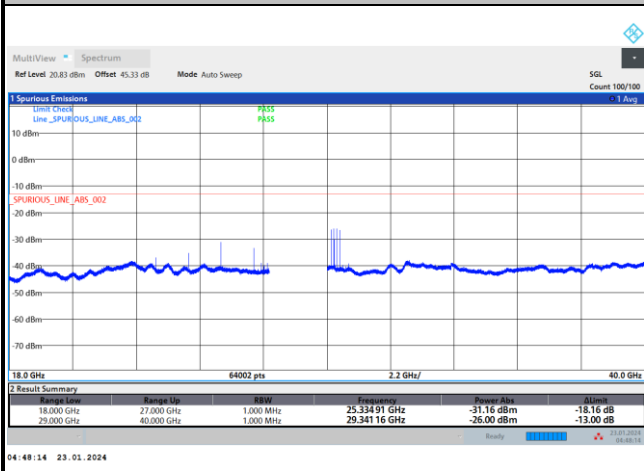
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Middle Channel / 400MHz



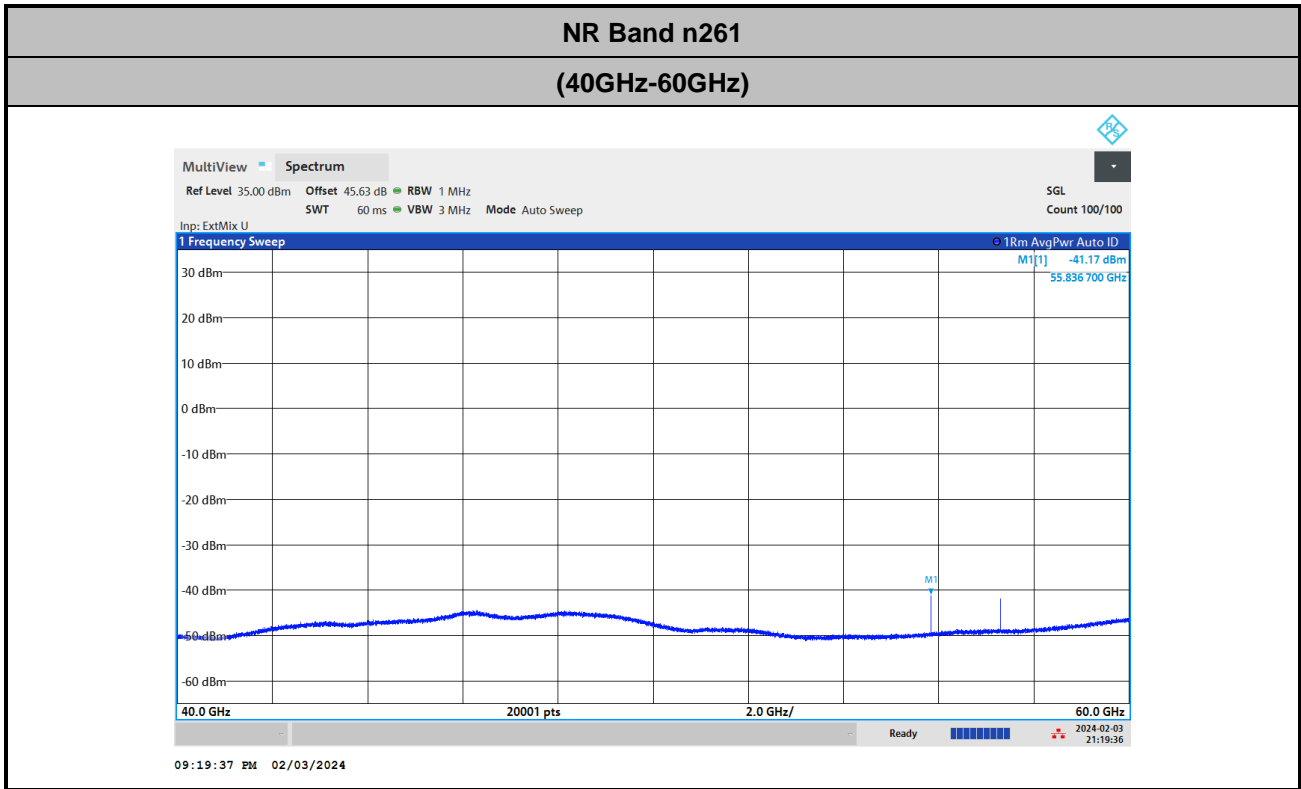
intentionally blank

Highest Channel / 400MHz



intentionally blank

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

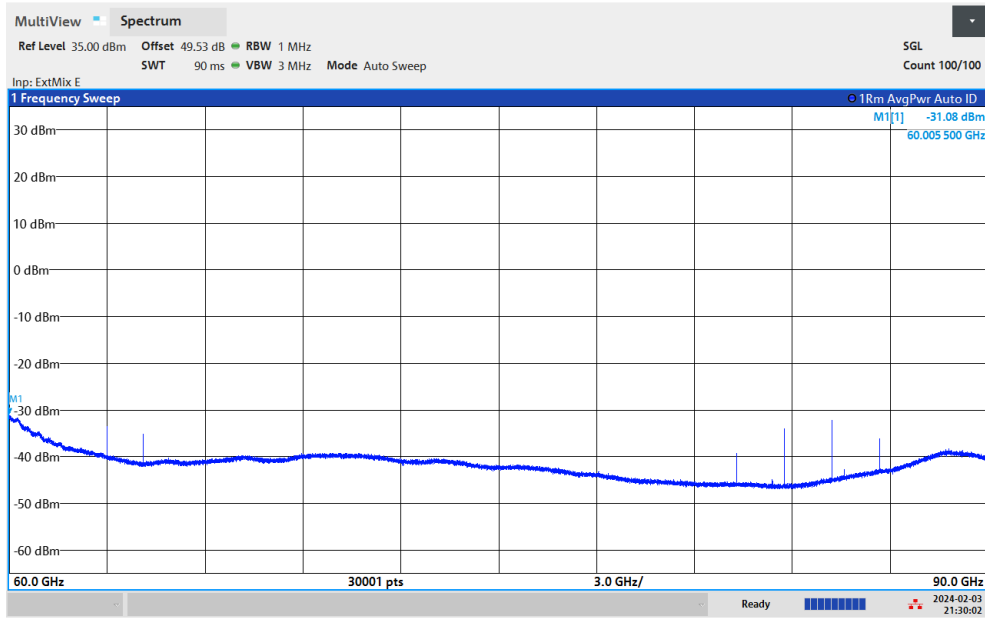


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$
$$= 43 + 0.43 + 107 + 20\log(1) - 104.8 = 45.63(\text{dB})$$



NR Band n261

(60GHz-90GHz)



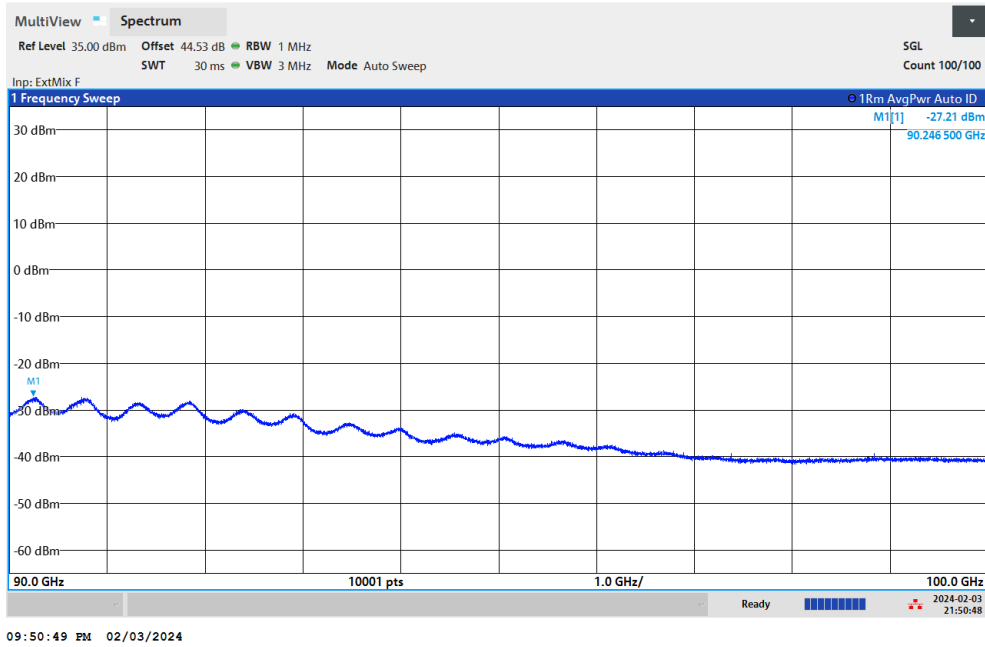
09:30:03 PM 02/03/2024

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



NR Band n261

(90GHz-100GHz)



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





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	27.9249491	17.900	0.641	Pass
40	Normal Voltage	27.9249241	42.900	1.536	
30	Normal Voltage	27.9249321	34.900	1.250	
20(Ref.)	Normal Voltage	27.924967	0.000	0.000	
10	Normal Voltage	27.925036	-69.000	2.471	
0	Normal Voltage	27.9251089	-141.900	5.081	
-10	Normal Voltage	27.9251189	-151.900	5.440	
-20	Normal Voltage	27.9250709	-103.900	3.721	
-30	Normal Voltage	27.9250709	-103.900	3.721	
20	Maximum Voltage	27.924969	-2.000	0.072	
20	Normal Voltage	27.924966	1.000	0.036	
20	Battery End Point	27.924964	3.000	0.107	

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 A 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	46.15	45.94	46.04	91.16	90.98	91.03	190.15	189.77	190.05
Middle CH	46.18	46.10	46.05	91.11	91.02	91.07	189.56	189.48	189.45
Highest CH	46.19	46.04	46.06	91.20	91.00	91.12	190.19	189.86	189.71

Mode	DFT-s-OFDM Module B NR Band n261 : 99%OBW(MHz)					
BW	300MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	290.13	289.05	289.34	389.71	389.36	389.14
Middle CH	290.47	289.04	289.32	388.45	388.20	388.02
Highest CH	291.72	290.24	289.97	391.66	390.62	390.10

Mode	CP-OFDM Module B NR Band n261 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	46.11	94.03	193.58
Middle CH	46.08	94.19	192.59
Highest CH	46.19	94.23	193.05

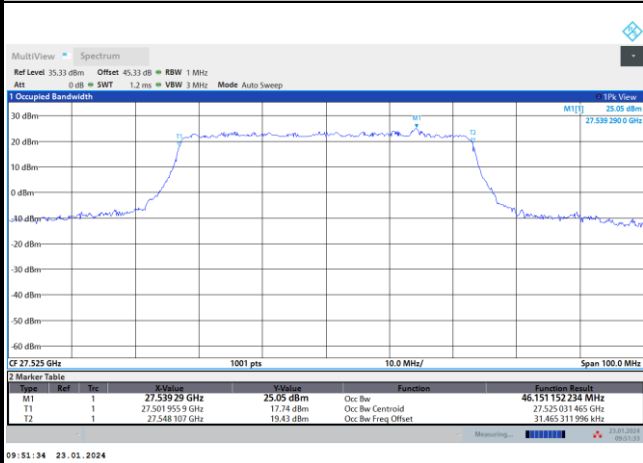
Mode	CP-OFDM Module B NR Band n261 : 99%OBW(MHz)	
BW	300MHz	400MHz
Mod.	QPSK	QPSK
Lowest CH	294.48	392.84
Middle CH	292.87	392.69
Highest CH	294.24	394.70



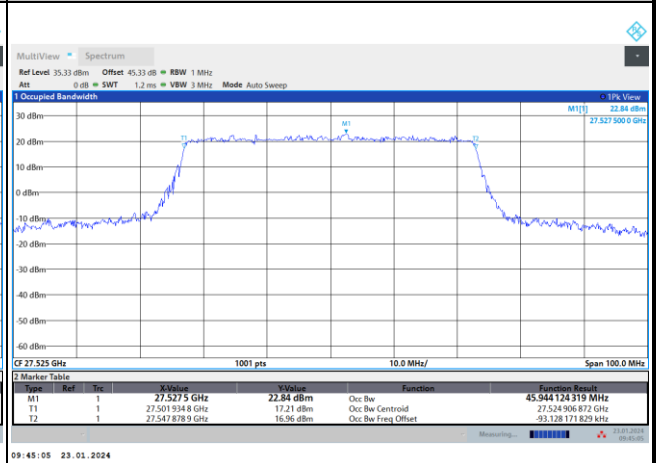
DFT-s-OFDM Module B

NR Band n261

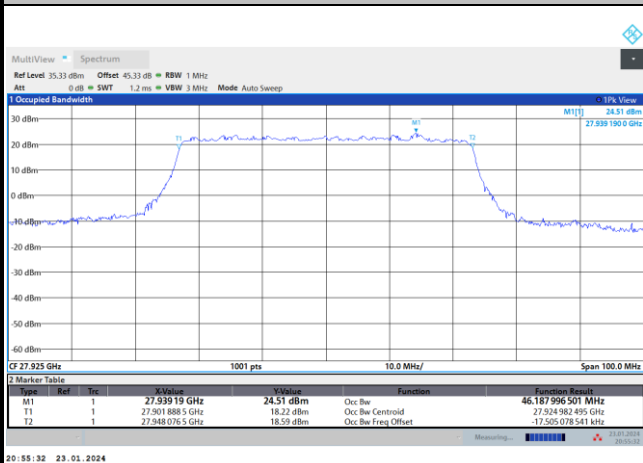
Lowest Channel / 50MHz / QPSK



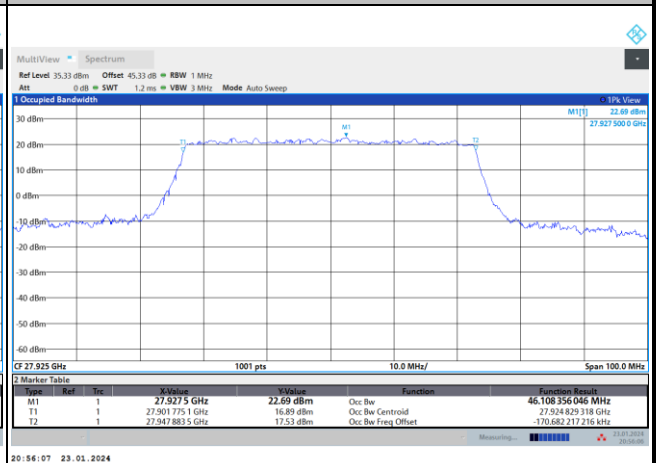
Lowest Channel / 50MHz / 16QAM



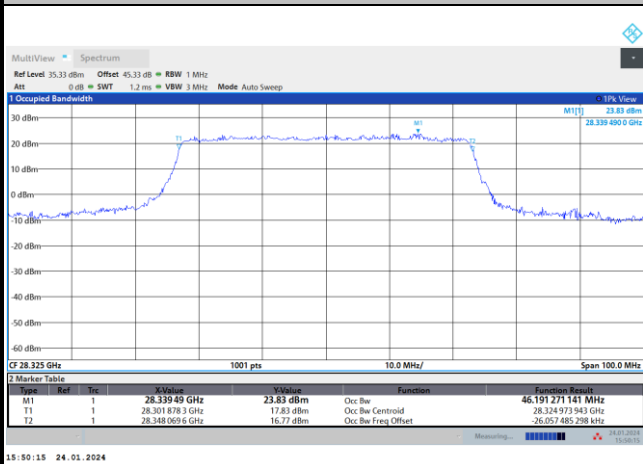
Middle Channel / 50MHz / QPSK



Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

