



CP-OFDM Module A

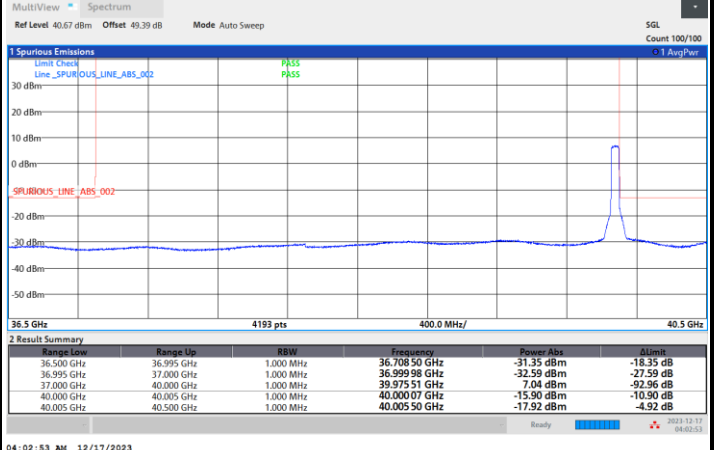
NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



09:37:08 PM 12/15/2023

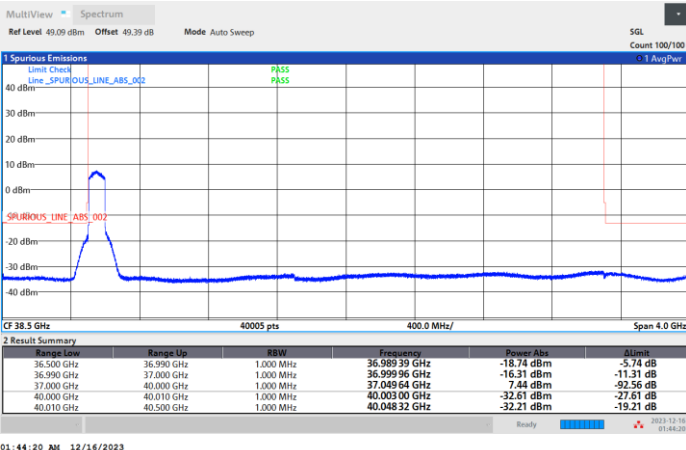
Highest Band Edge / Full RB



04:02:53 AM 12/17/2023

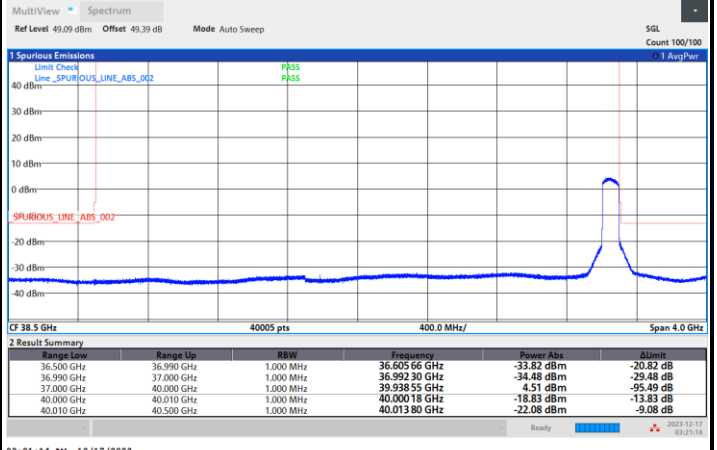
NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



01:44:20 AM 12/16/2023

Highest Band Edge / Full RB



03:21:14 AM 12/17/2023

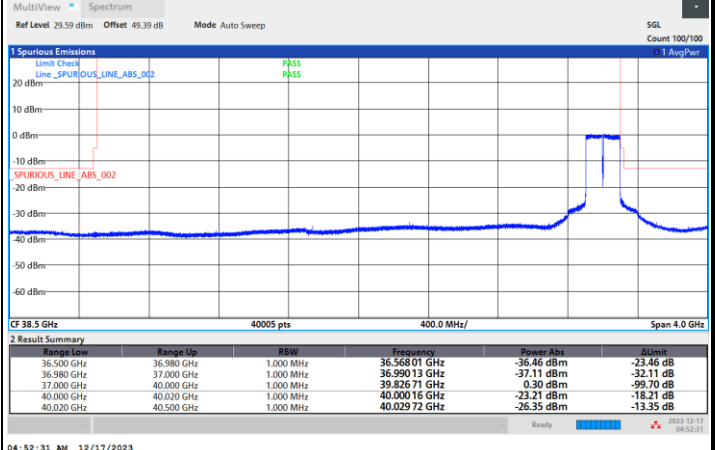
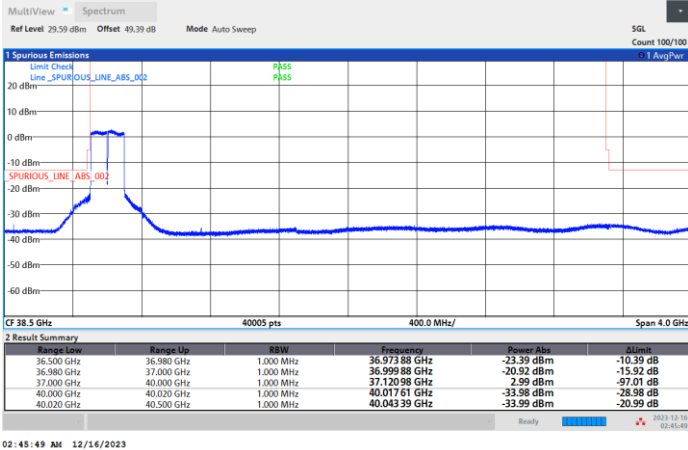


CP-OFDM Module A

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB

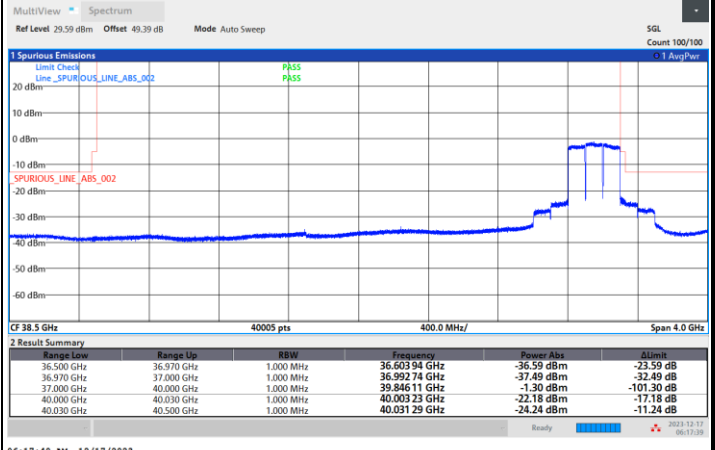
Highest Band Edge / Full RB



NR Band n260 / 300MHz / QPSK

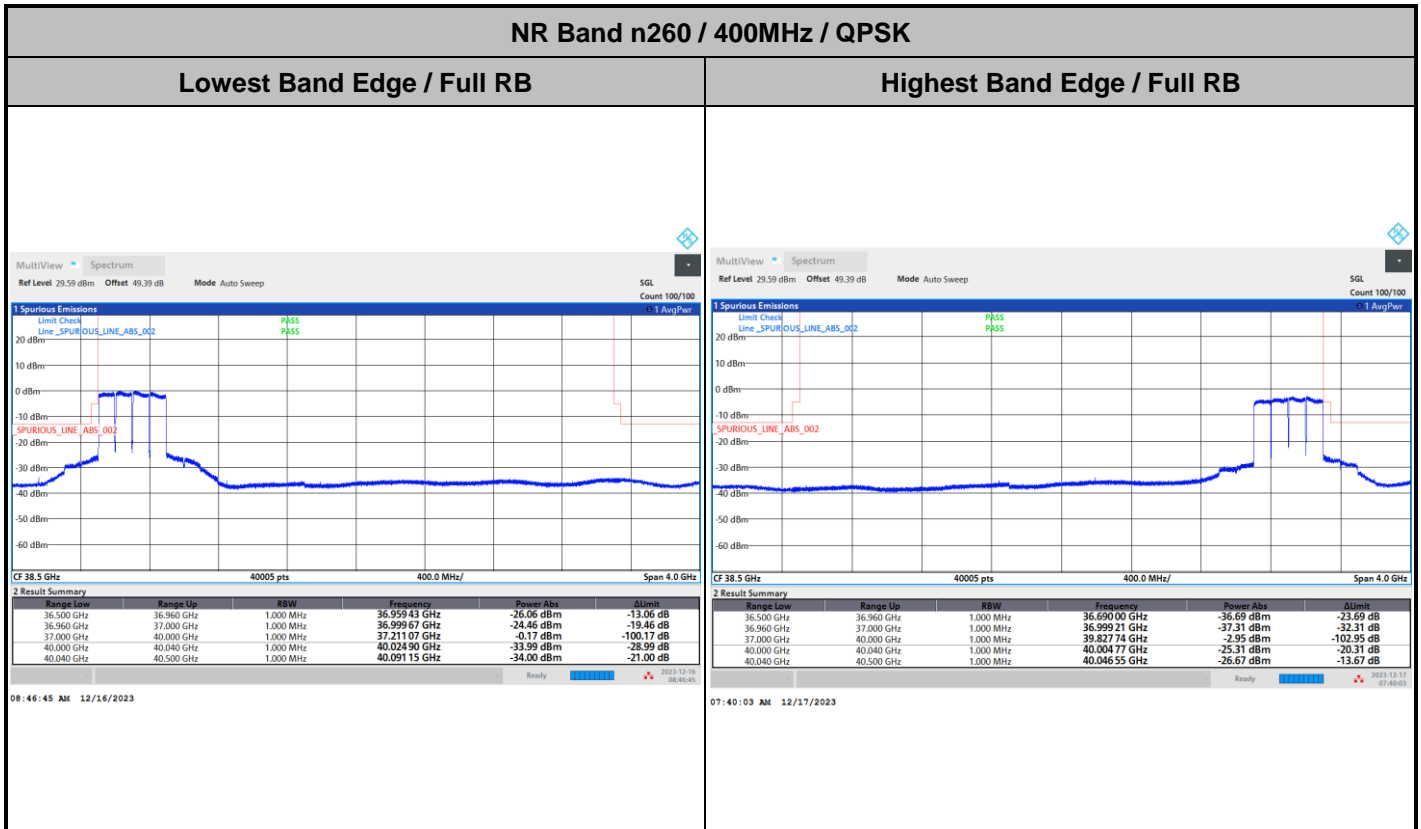
Lowest Band Edge / Full RB

Highest Band Edge / Full RB





CP-OFDM Module A



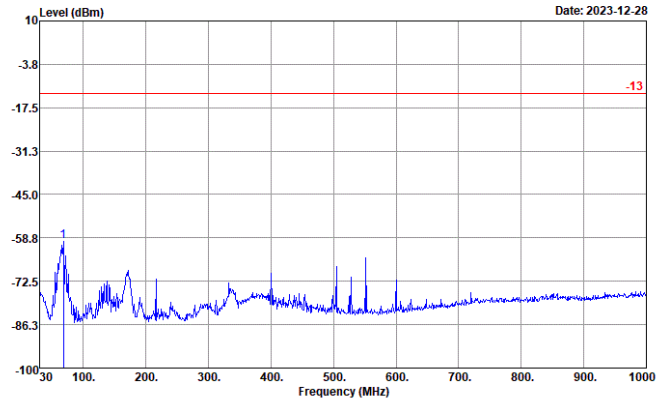


# Spurious Emission

There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.

## NR Band n260 (30MHz-1GHz)

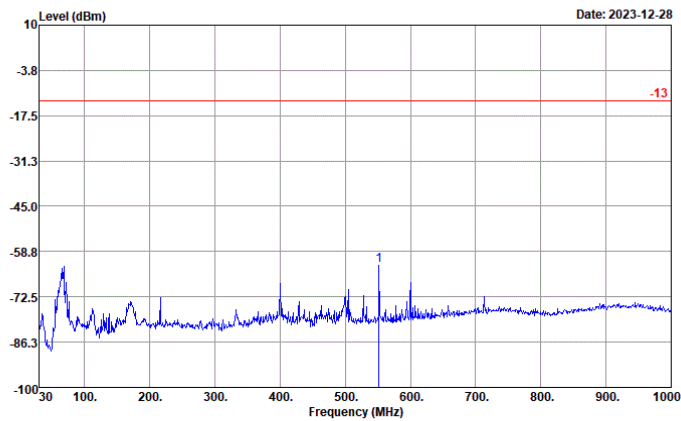
### Horizontal



Site : 03CH10-HY  
 Condition : -13 EIRP\_WO HORIZONTAL  
 Project : 3N2327  
 : n260 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	67.83	-59.75	-46.75 -13.00

### Vertical



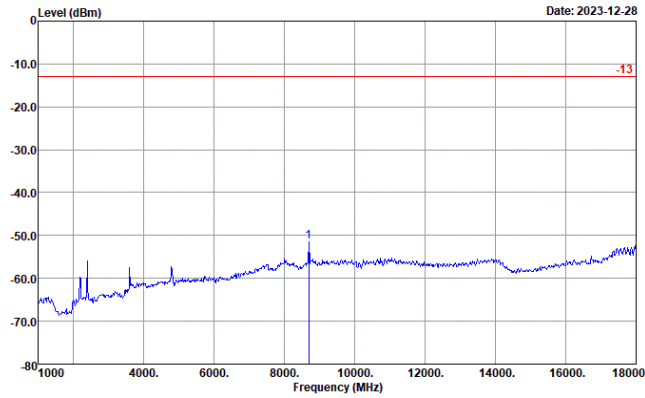
Site : 03CH10-HY  
 Condition : -13 EIRP\_WO VERTICAL  
 Project : 3N2327  
 : n260 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	551.86	-62.90	-49.90 -13.00



NR Band n260 (1GHz-18GHz)

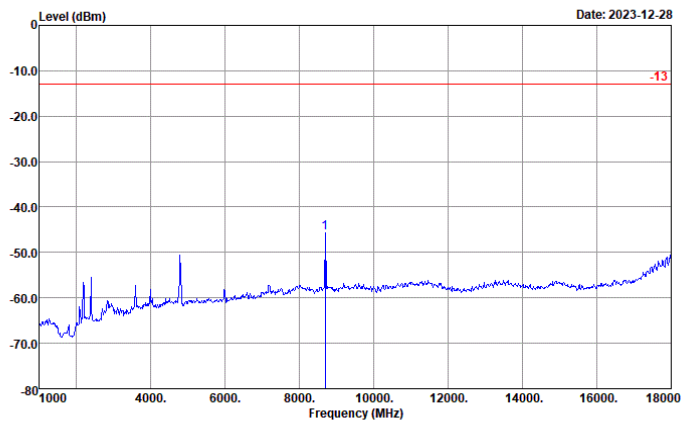
Horizontal



Site : 03CH10-HY  
 Condition : -13 EIRP\_WO HORIZONTAL  
 Project : 3N2327  
 : n260 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1 8701.00	-51.49	-38.49	-13.00

Vertical



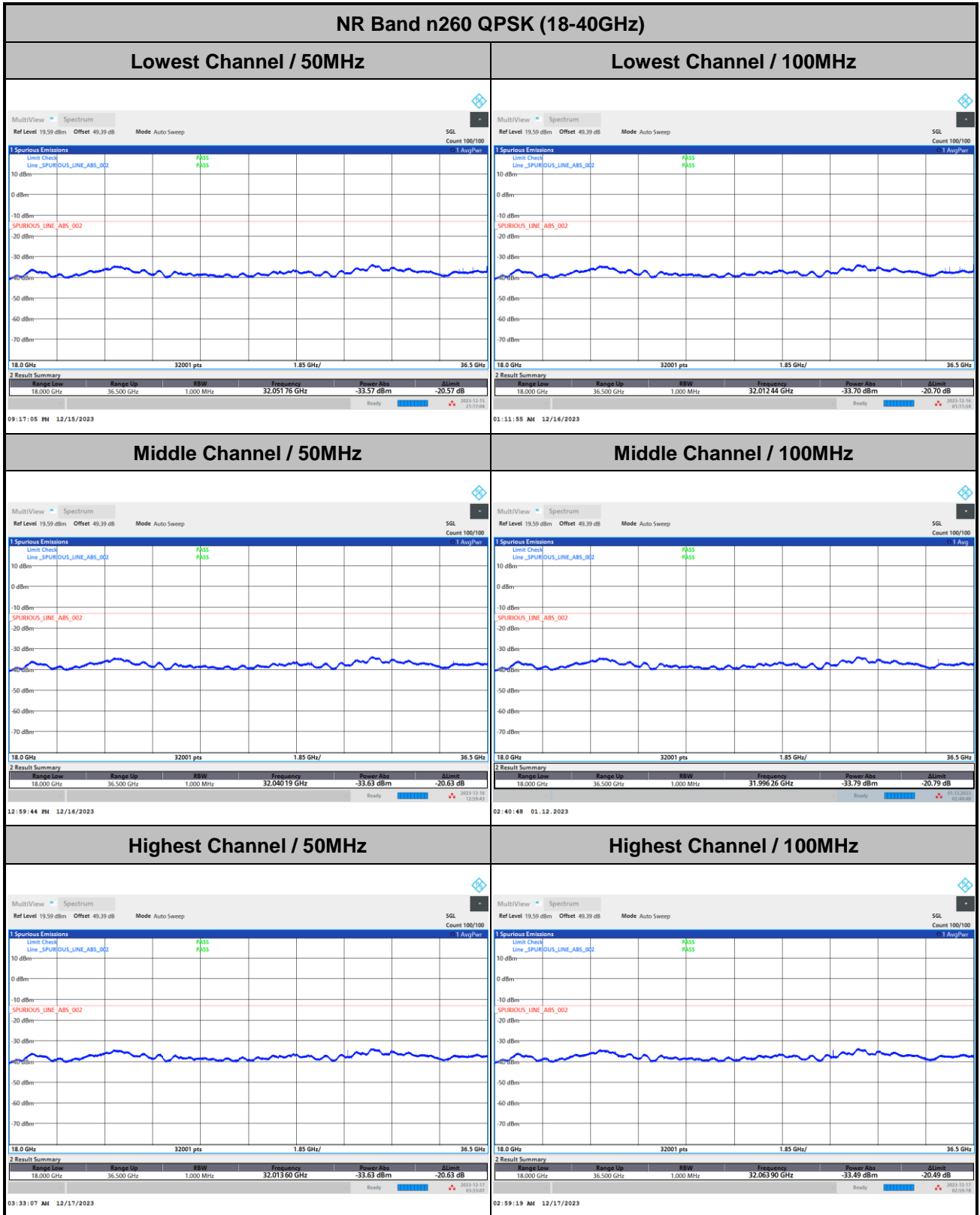
Site : 03CH10-HY  
 Condition : -13 EIRP\_WO VERTICAL  
 Project : 3N2327  
 : n260 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1 8701.00	-45.66	-32.66	-13.00



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

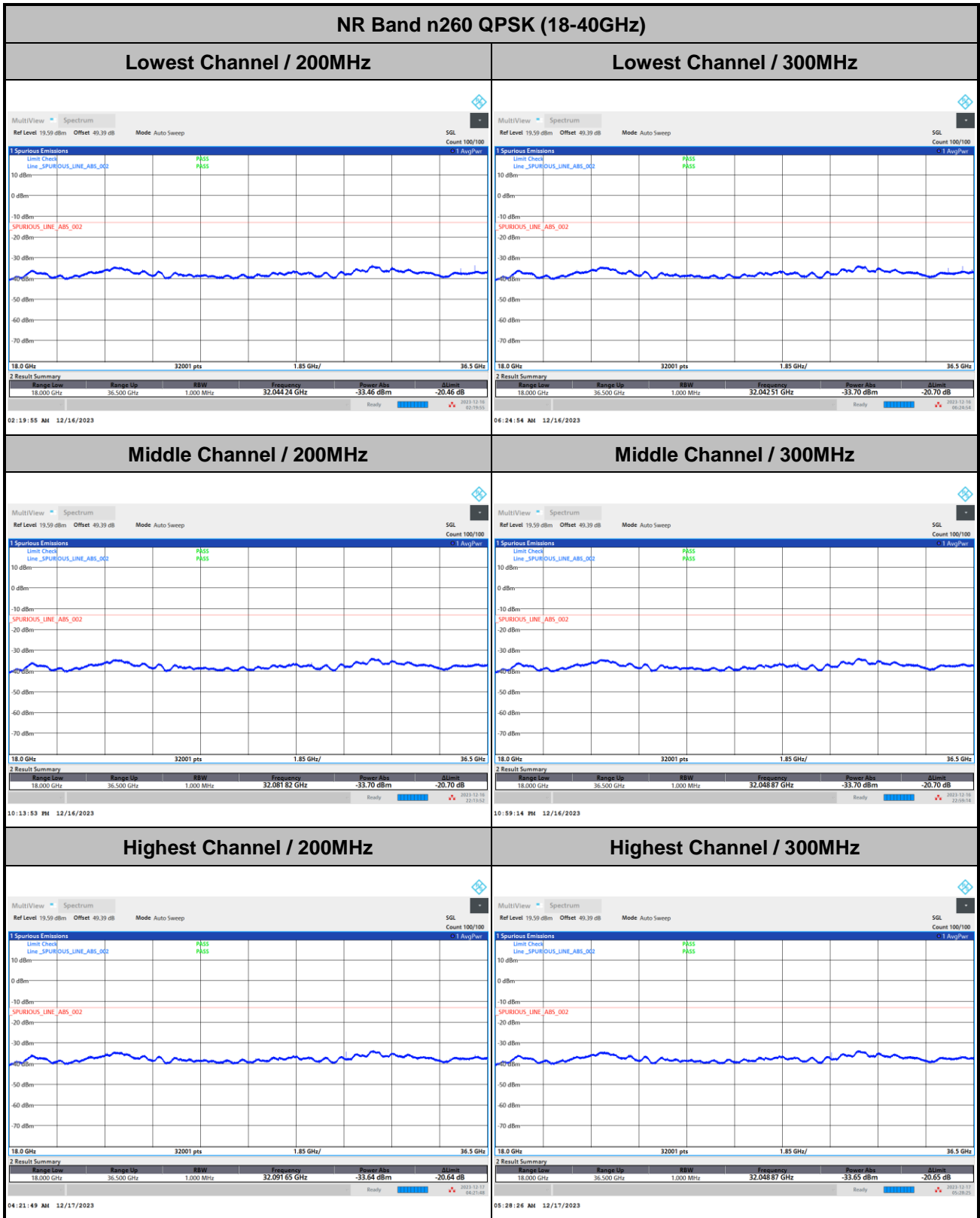
DFT-s-OFDM Module A



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



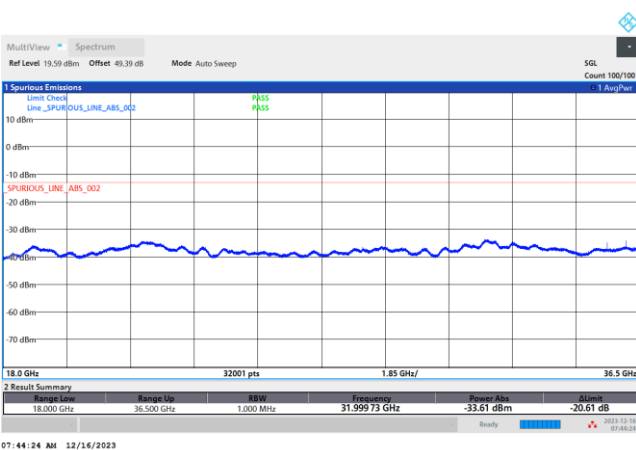
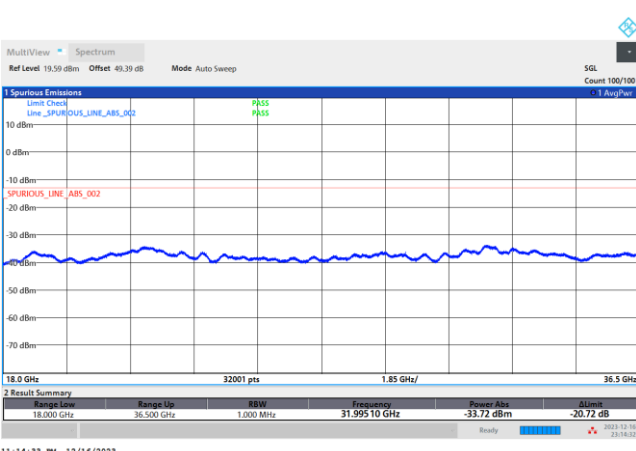
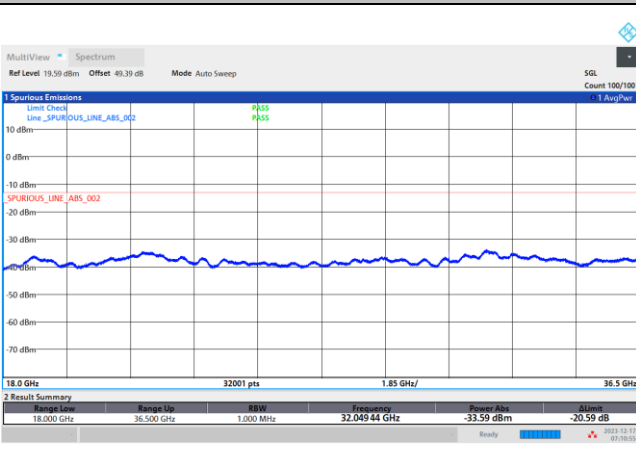
DFT-s-OFDM Module A



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



DFT-s-OFDM Module A

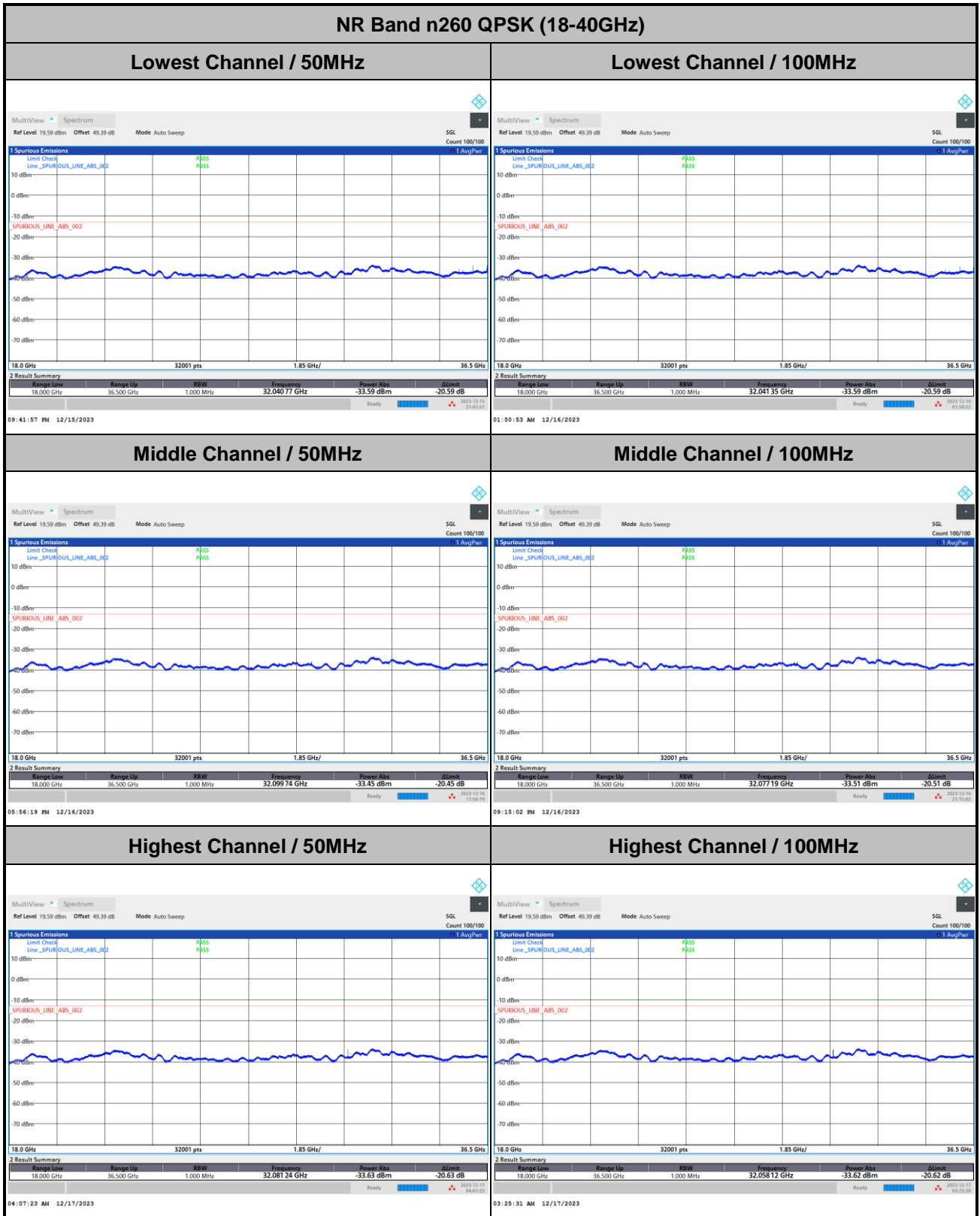
NR Band n260 QPSK (18-40GHz)	
Lowest Channel / 400MHz	
 <p>intentionally blank</p>	
Middle Channel / 400MHz	
 <p>intentionally blank</p>	
Highest Channel / 400MHz	
 <p>intentionally blank</p>	

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





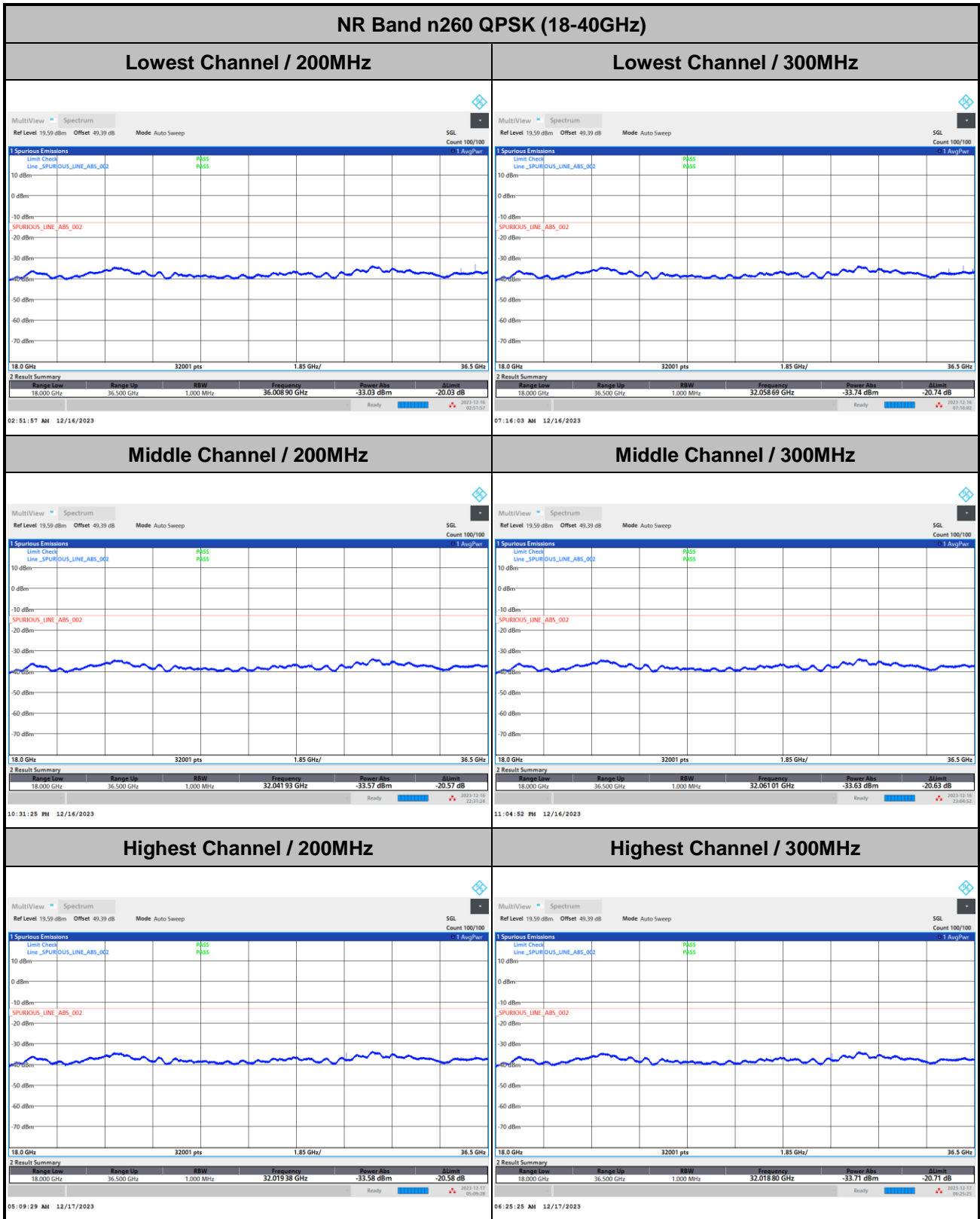
CP-OFDM Module A



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



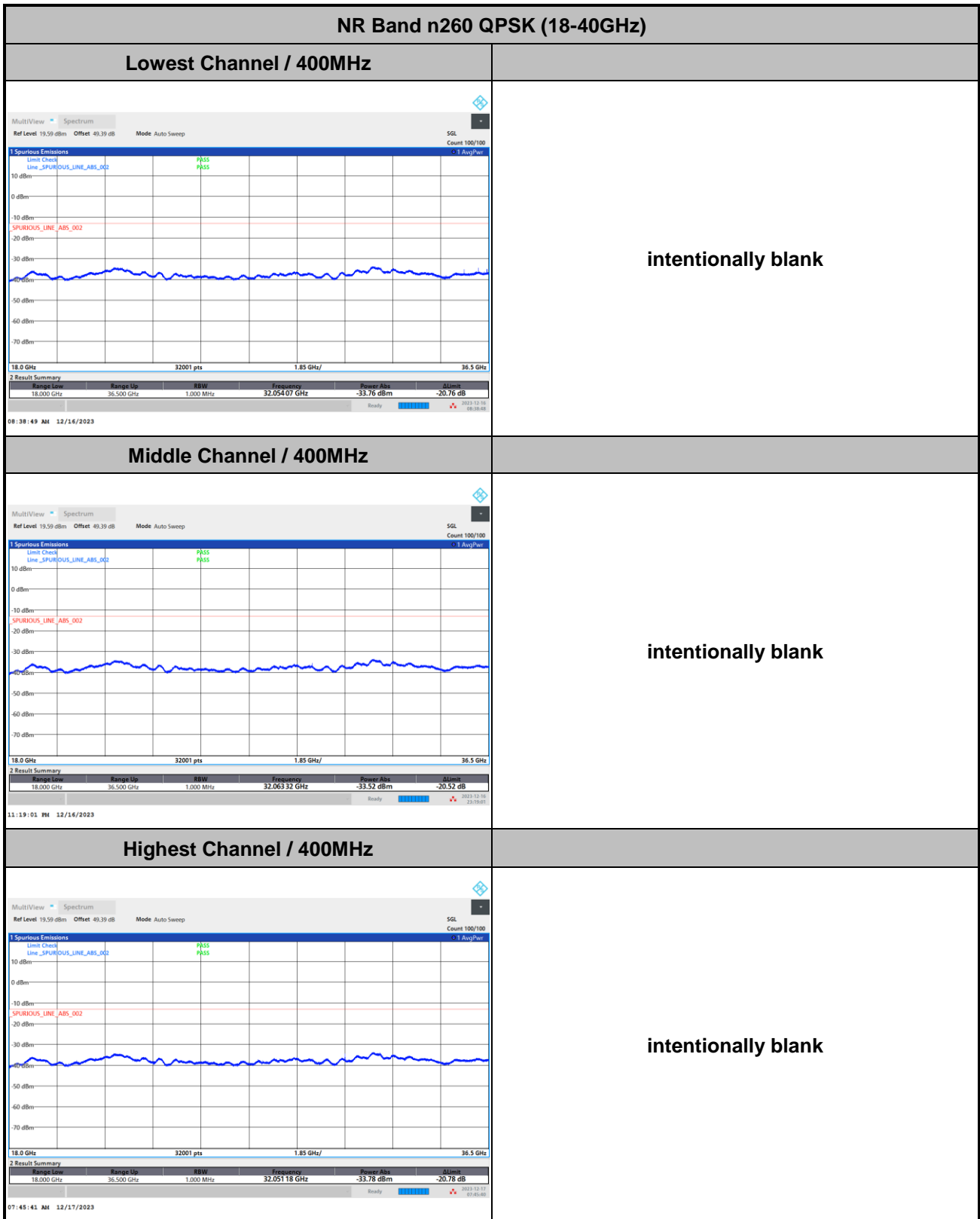
CP-OFDM Module A



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



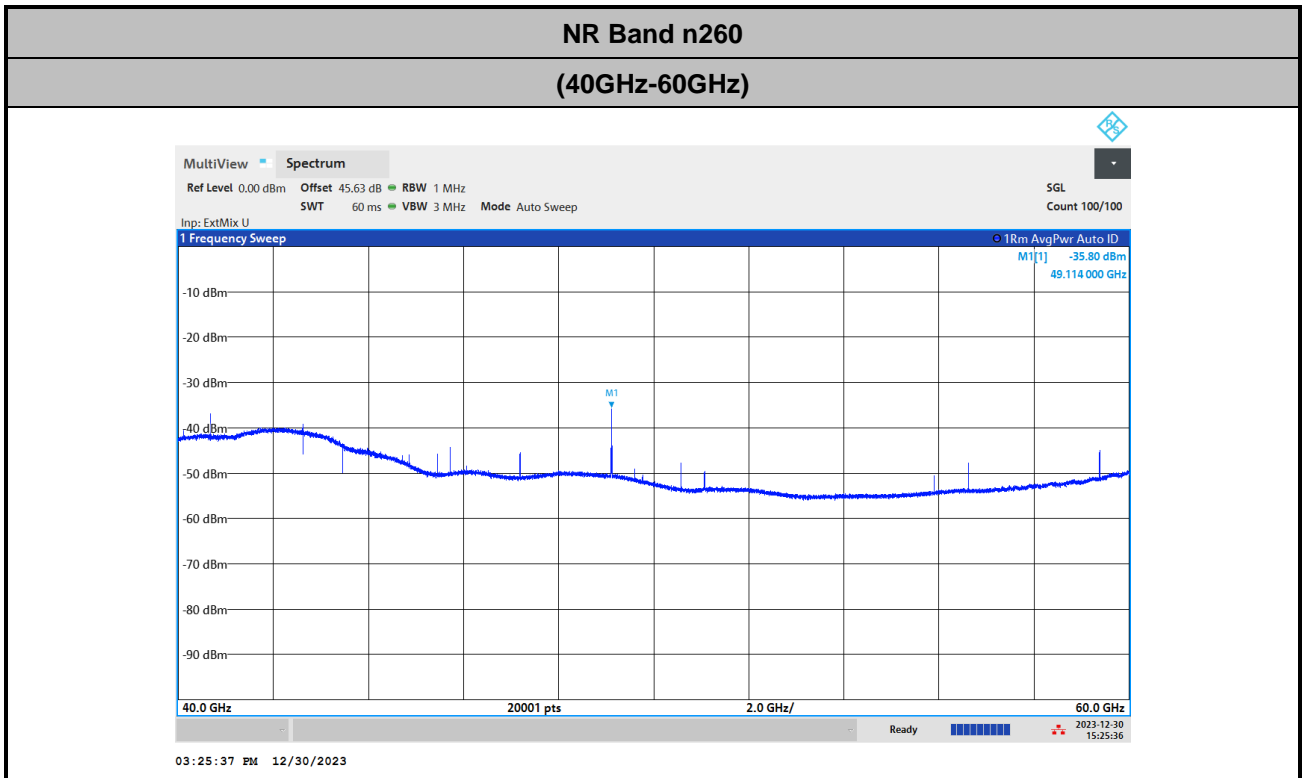
CP-OFDM Module A



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



There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz.  
Only the noise floor is reported.

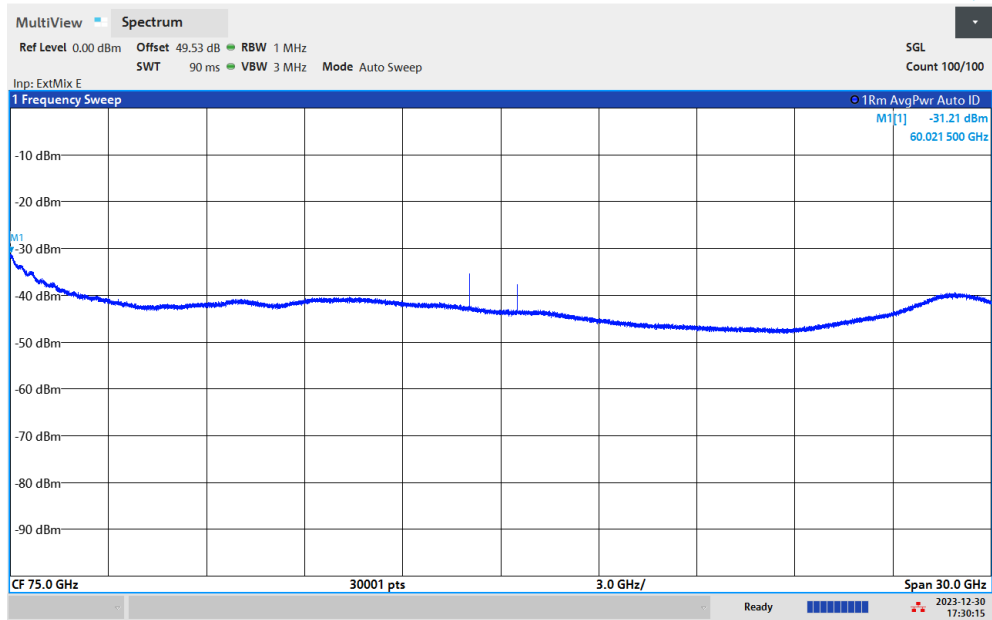


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$
$$= 43 + 0.43 + 107 + 20\log(1) - 104.8 = 45.63(\text{dB})$$

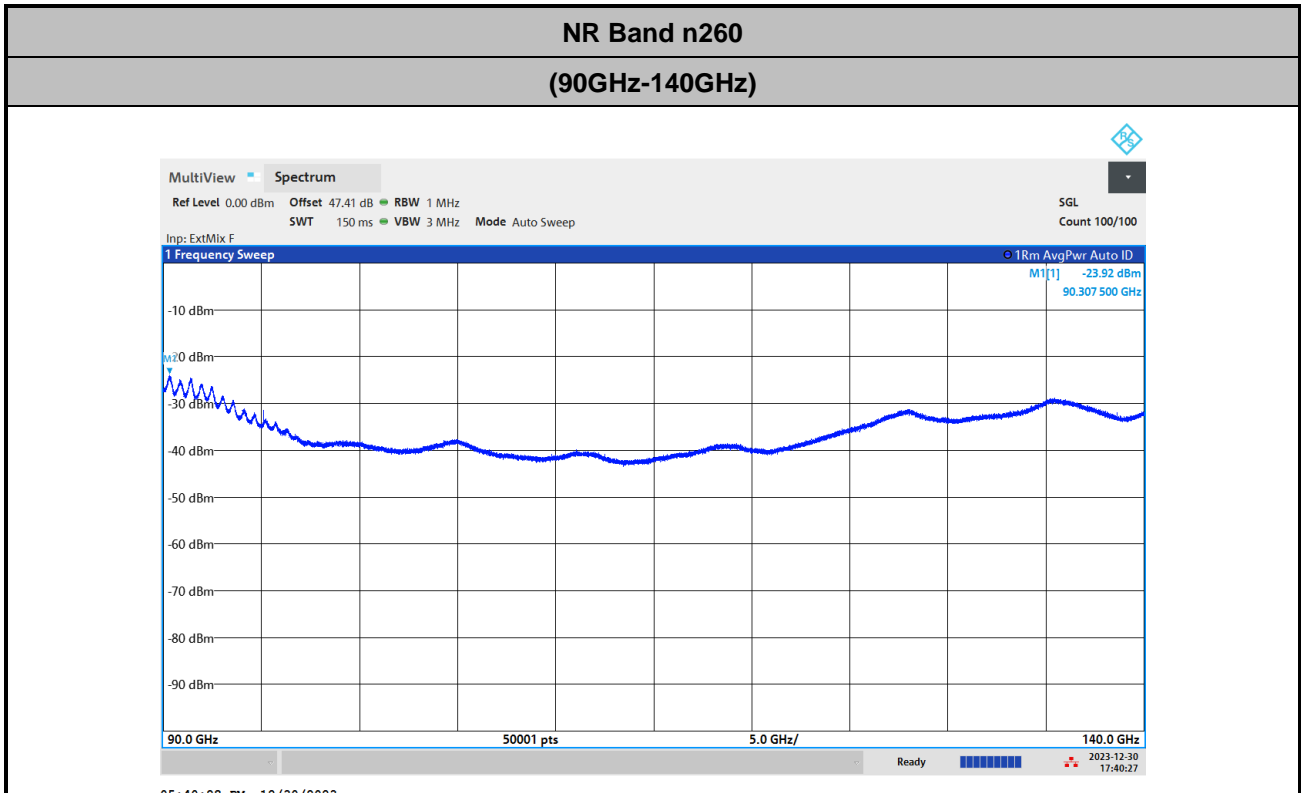


NR Band n260

(60GHz-90GHz)



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

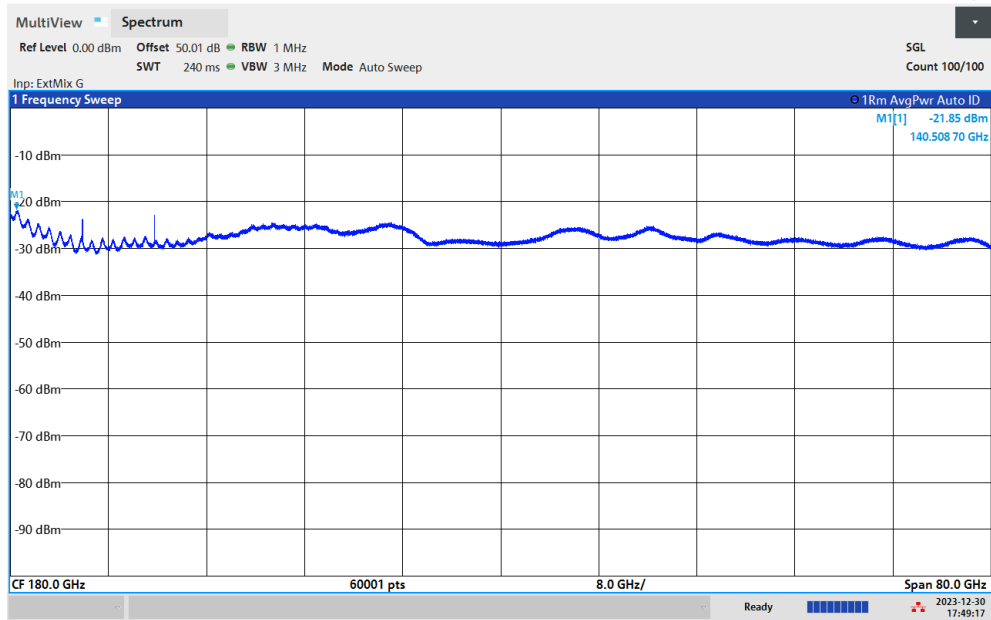


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$
$$= 50.80 + 0.43 + 107 + 20\log(0.5) - 104.8 = 47.41 \text{ (dB)}$$



NR Band n260

(140GHz-200GHz)



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

$$= 53.4 + 0.43 + 107 + 20\log(0.5) - 104.8 = 50.01(\text{dB})$$



**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	38.4997443	197.800	5.138	Pass
40	Normal Voltage	38.4998501	92.000	2.390	
30	Normal Voltage	38.4999001	42.000	1.091	
20(Ref.)	Normal Voltage	38.4999421	0.000	0.000	
10	Normal Voltage	38.500042	-99.900	2.595	
0	Normal Voltage	38.50005	-107.900	2.803	
-10	Normal Voltage	38.5000559	-113.800	2.956	
-20	Normal Voltage	38.5000639	-121.800	3.164	
-30	Normal Voltage	38.5000714	-129.300	3.358	
20	Maximum Voltage	38.499956	-13.900	0.361	
20	Normal Voltage	38.4999481	-6.000	0.156	
20	Battery End Point	38.4999401	2.000	0.052	

**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 n260 Module B AGH+V

## Occupied Bandwidth

Mode	DFT-s-OFDM Module B NR Band n260 : 99%OBW(MHz)								
	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.93	45.98	45.76	91.18	91.11	91.23	190.75	190.21	190.63
Middle CH	45.92	46.25	45.88	90.95	91.09	91.20	190.39	190.91	190.82
Highest CH	46.12	46.01	45.90	91.50	91.27	91.25	190.99	191.08	190.91

Mode	DFT-s-OFDM Module B NR Band n260 : 99%OBW(MHz)					
	300MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	290.45	289.93	289.87	389.58	388.43	388.62
Middle CH	290.55	290.40	290.44	389.35	389.96	389.29
Highest CH	291.21	291.08	290.37	389.83	390.36	392.38

Mode	CP-OFDM Module B NR Band n260 : 99%OBW(MHz)		
	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	45.98	93.88	193.57
Middle CH	46.06	93.91	193.71
Highest CH	46.35	94.22	194.22

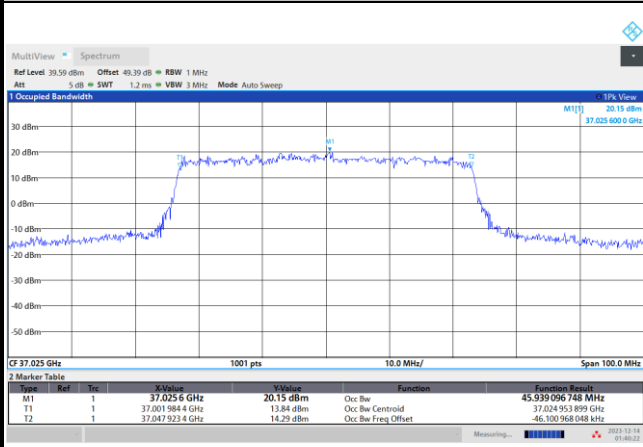
Mode	CP-OFDM Module B NR Band n260 : 99%OBW(MHz)	
	300MHz	400MHz
Mod.	QPSK	QPSK
Lowest CH	295.22	392.69
Middle CH	293.85	392.68
Highest CH	296.97	393.86



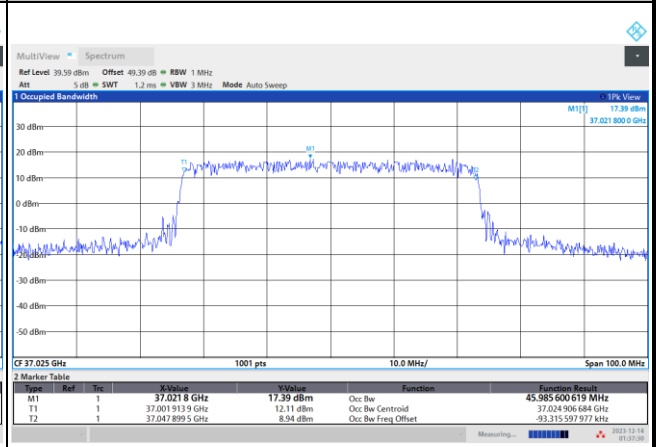
DFT-s-OFDM Module B

NR Band n260

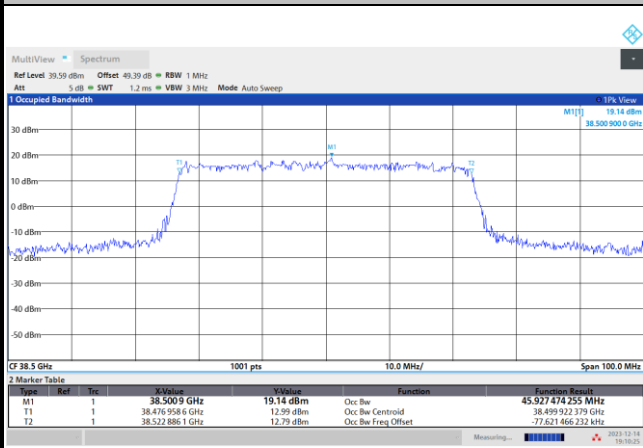
Lowest Channel / 50MHz / QPSK



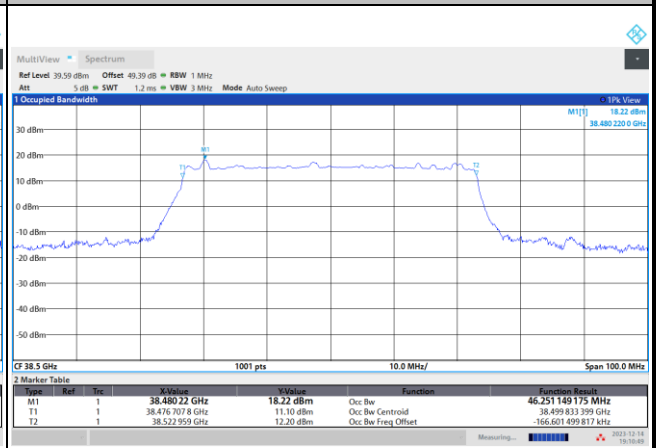
Lowest Channel / 50MHz / 16QAM



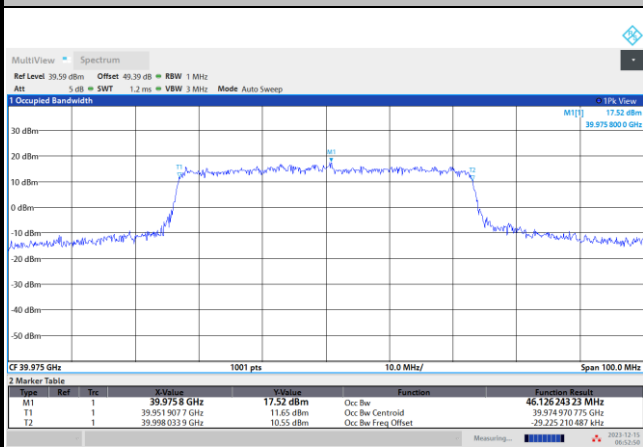
Middle Channel / 50MHz / QPSK



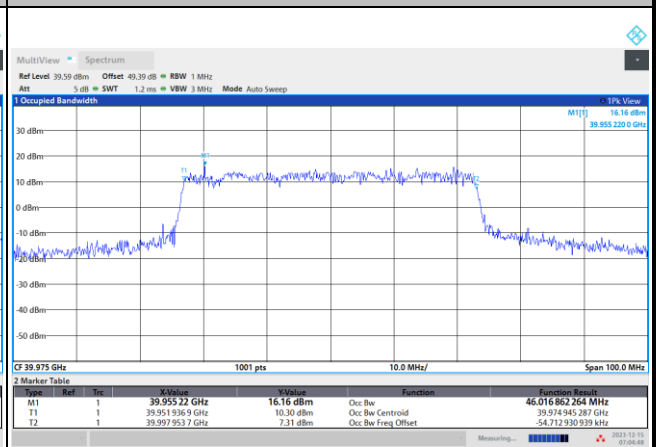
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

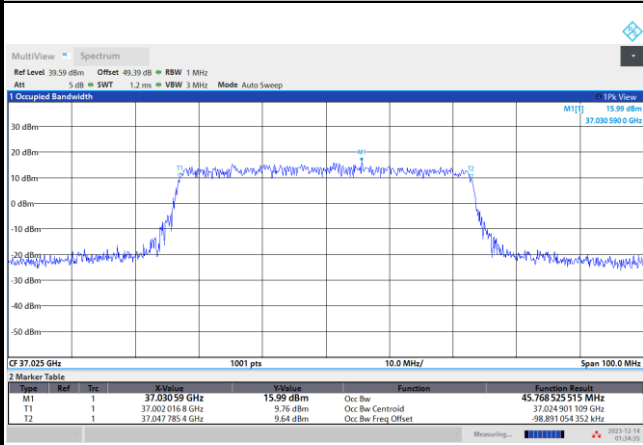




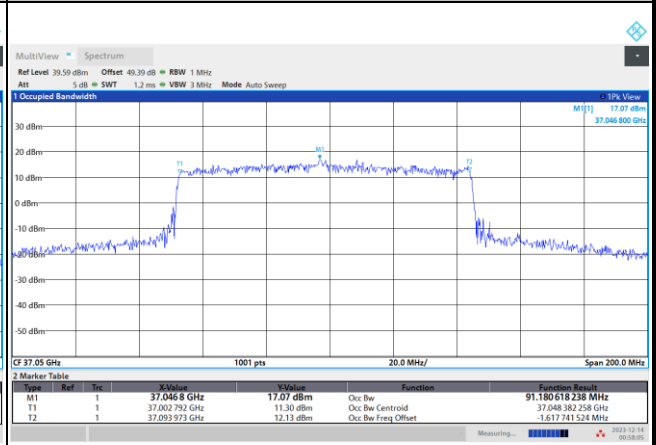
DFT-s-OFDM Module B

NR Band n260

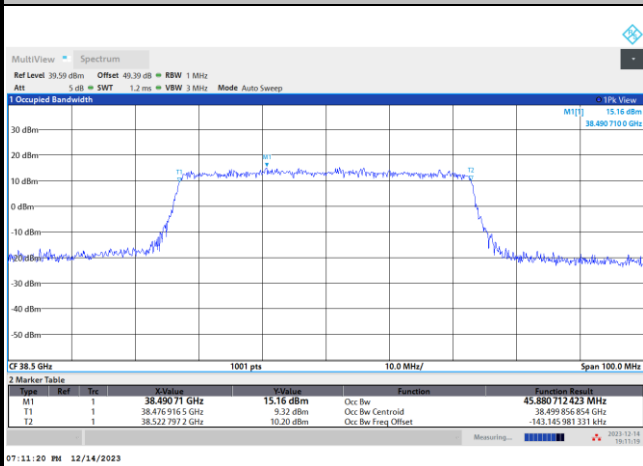
Lowest Channel / 50MHz / 64QAM



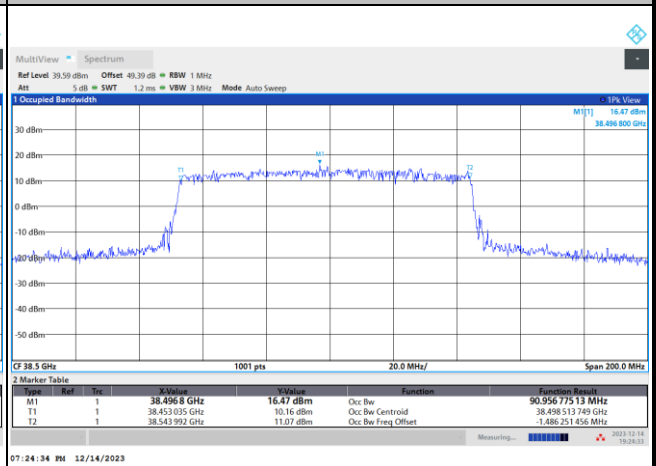
Lowest Channel / 100MHz / QPSK



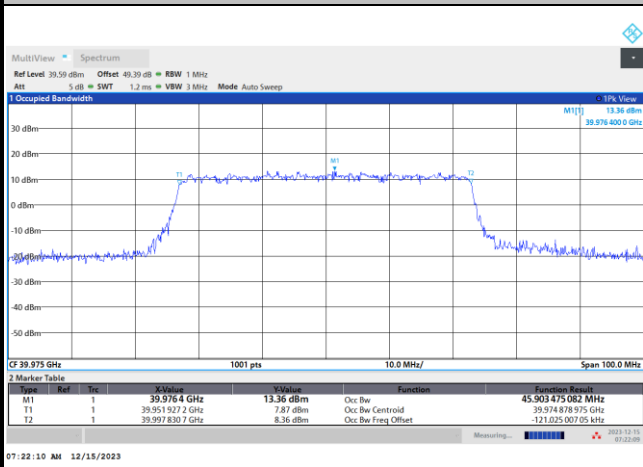
Middle Channel / 50MHz / 64QAM



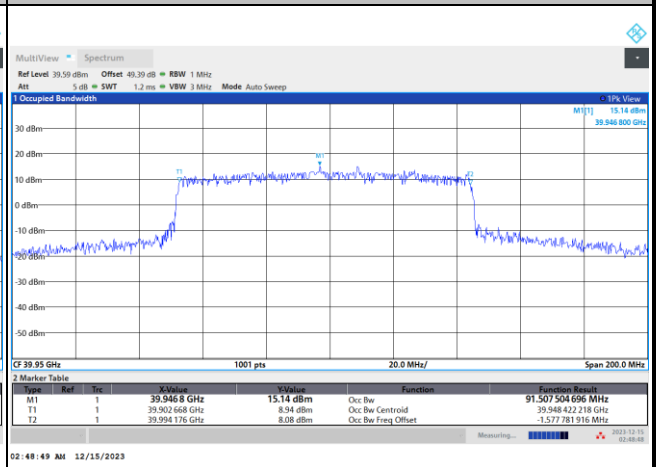
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

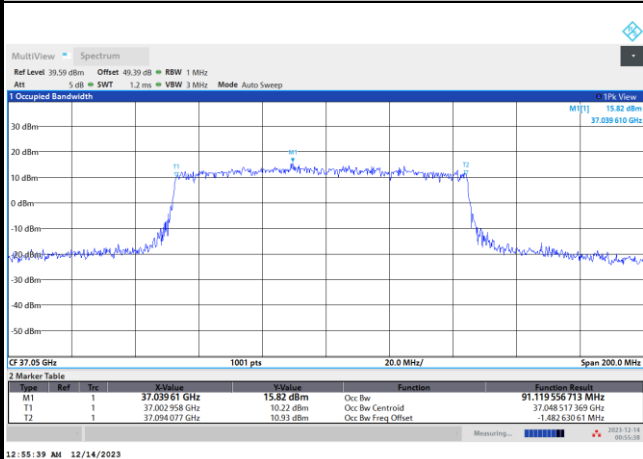




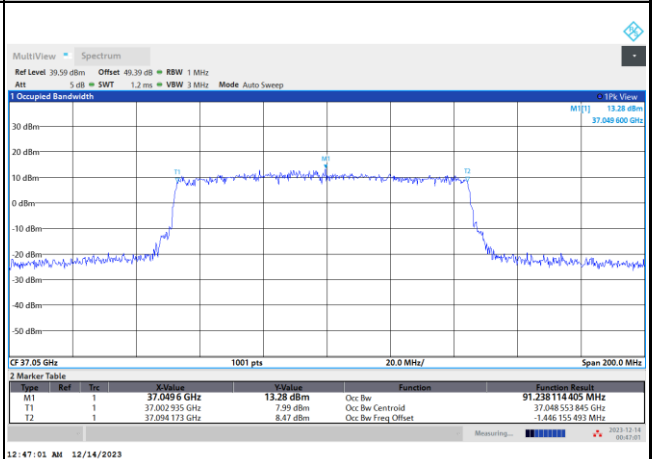
DFT-s-OFDM Module B

NR Band n260

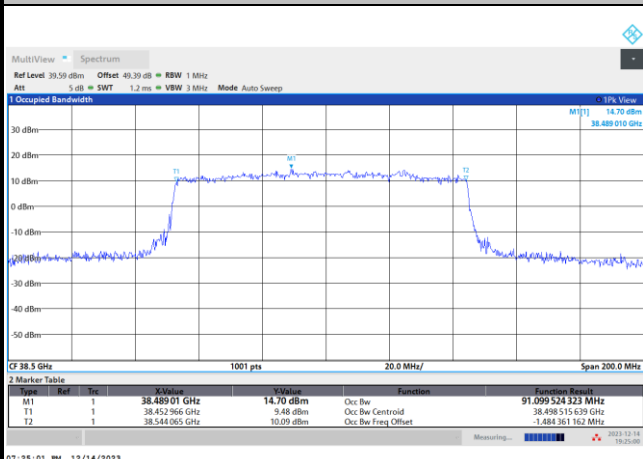
Lowest Channel / 100MHz / 16QAM



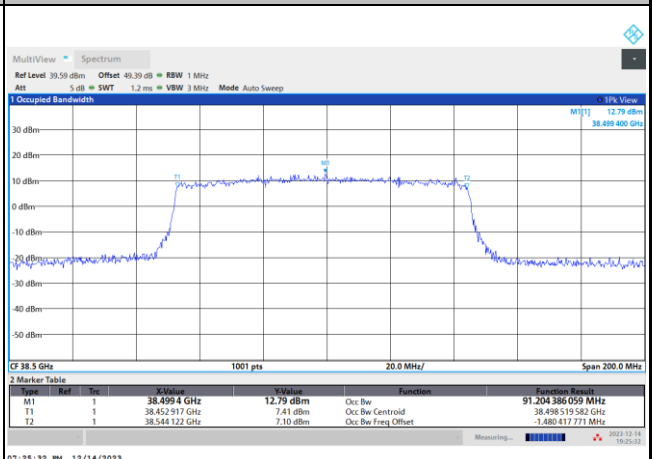
Lowest Channel / 100MHz / 64QAM



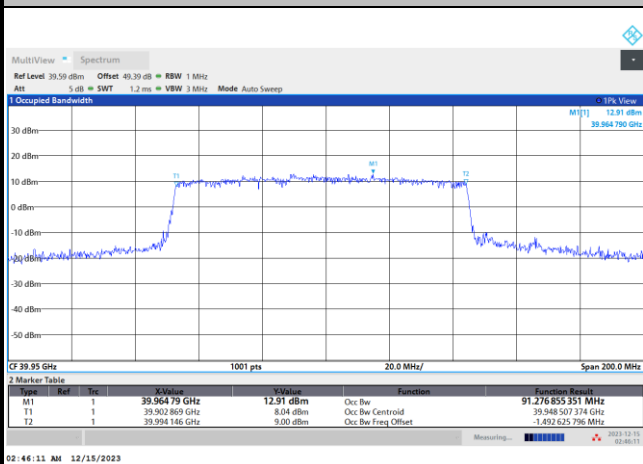
Middle Channel / 100MHz / 16QAM



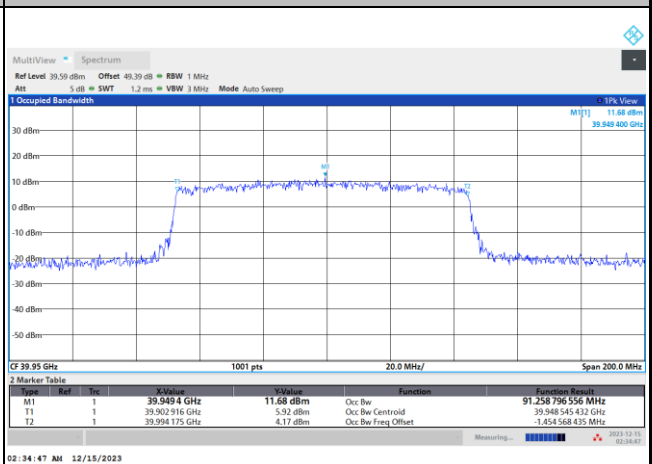
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

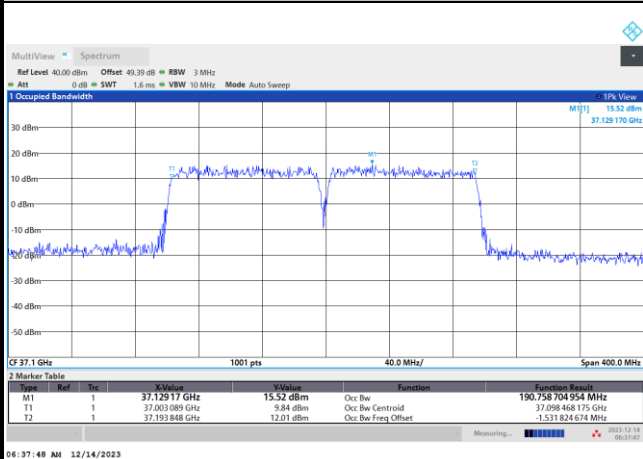




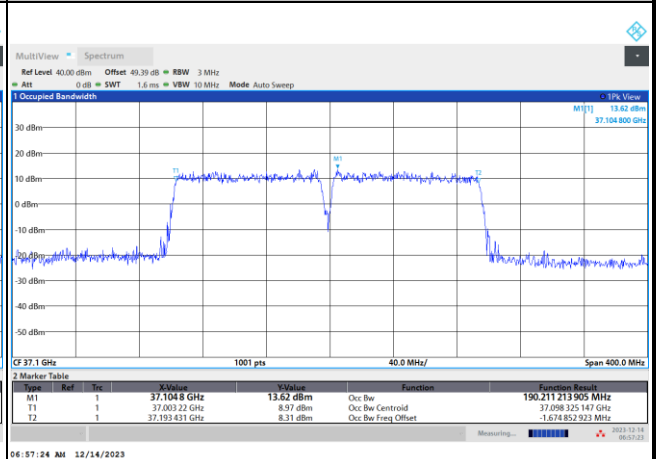
DFT-s-OFDM Module B

NR Band n260

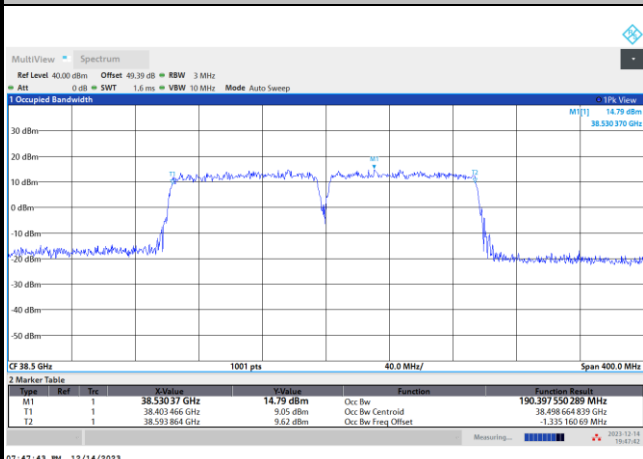
Lowest Channel / 200MHz / QPSK



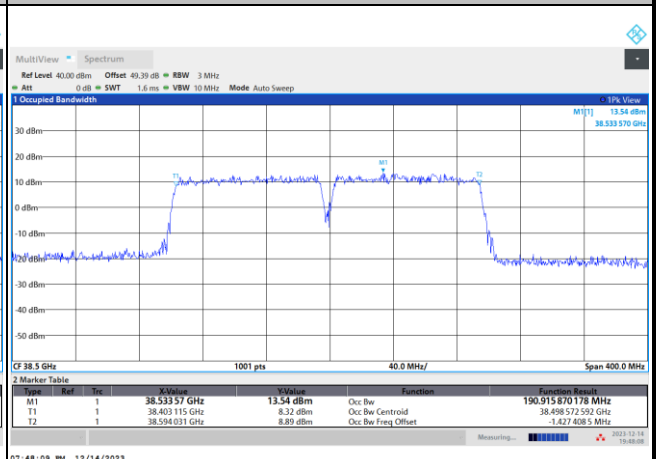
Lowest Channel / 200MHz / 16QAM



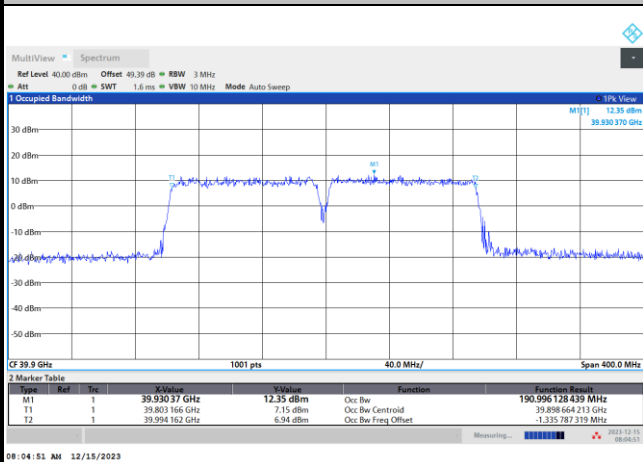
Middle Channel / 200MHz / QPSK



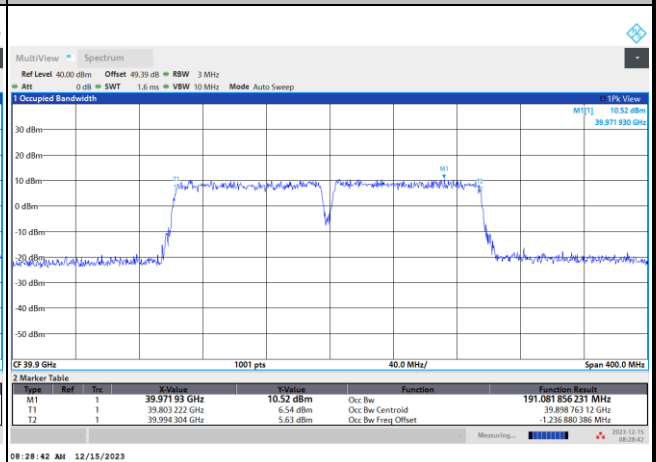
Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM

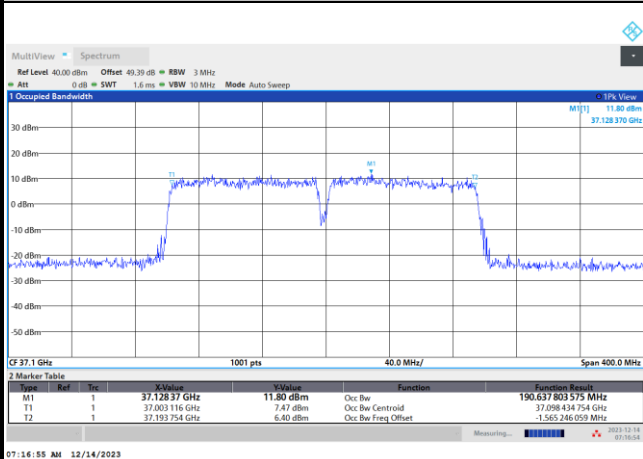




DFT-s-OFDM Module B

NR Band n260

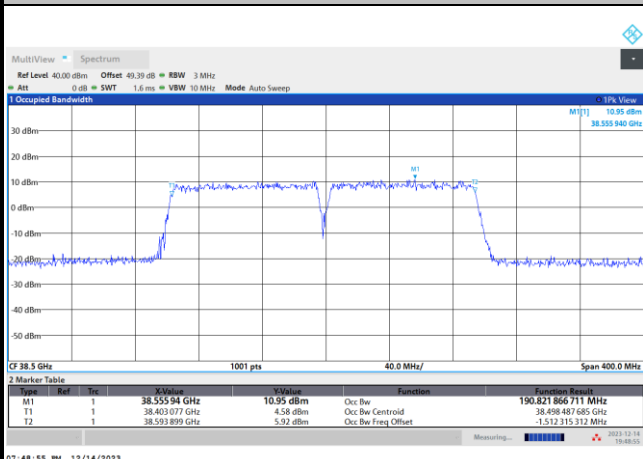
Lowest Channel / 200MHz / 64QAM



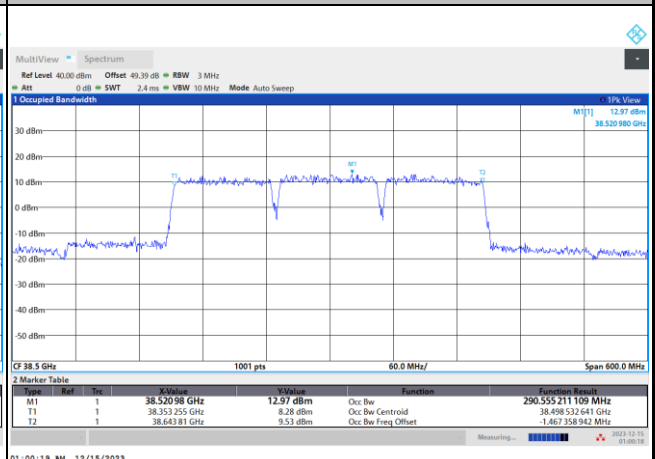
Lowest Channel / 300MHz / QPSK



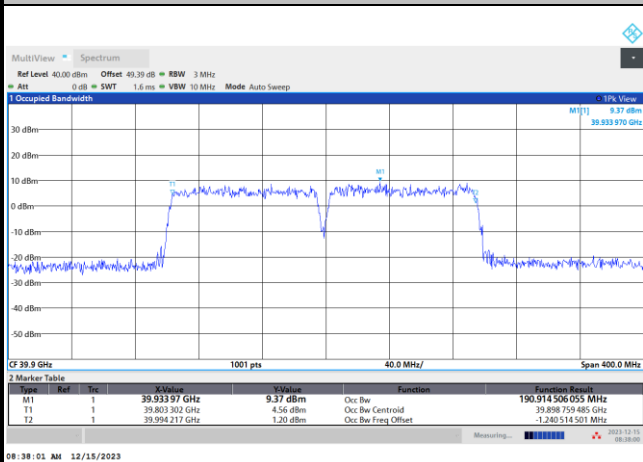
Middle Channel / 200MHz / 64QAM



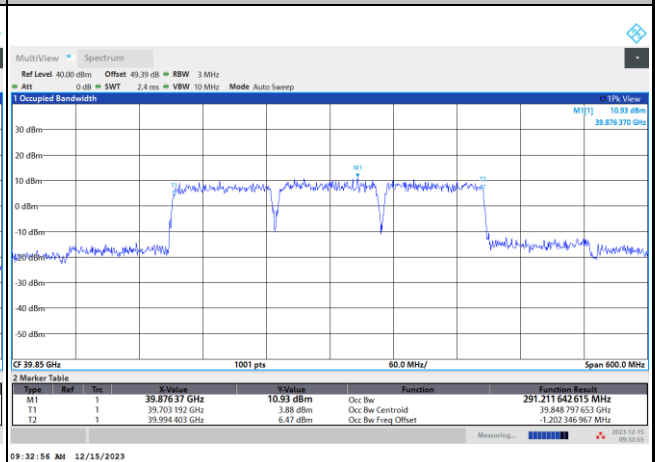
Middle Channel / 300MHz / QPSK



Highest Channel / 200MHz / 64QAM



Highest Channel / 300MHz / QPSK

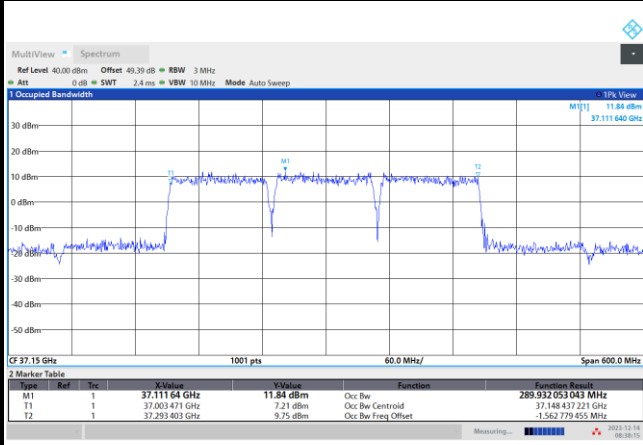




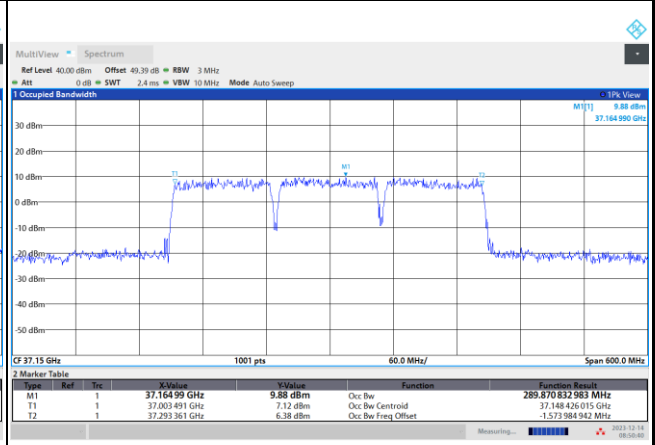
DFT-s-OFDM Module B

NR Band n260

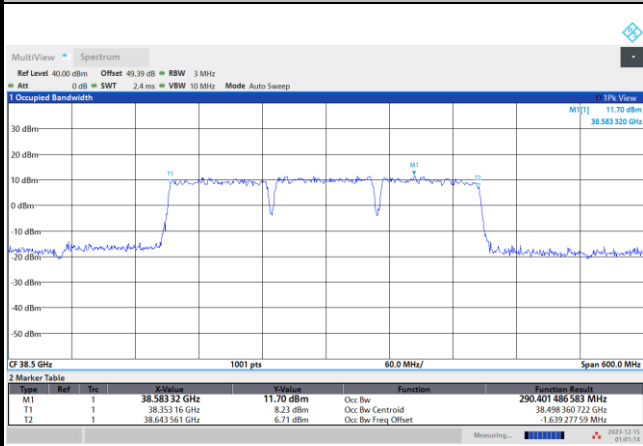
Lowest Channel / 300MHz / 16QAM



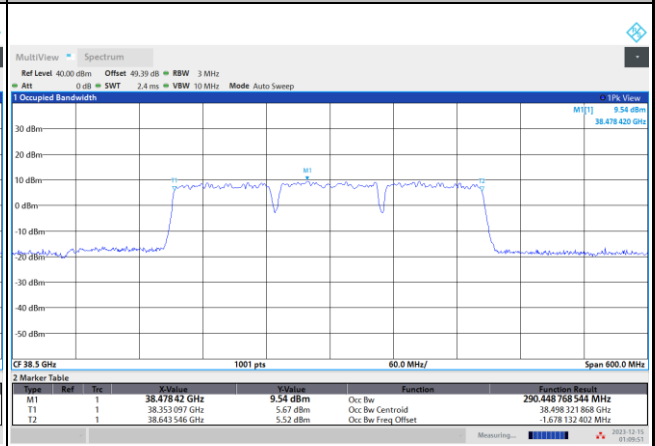
Lowest Channel / 300MHz / 64QAM



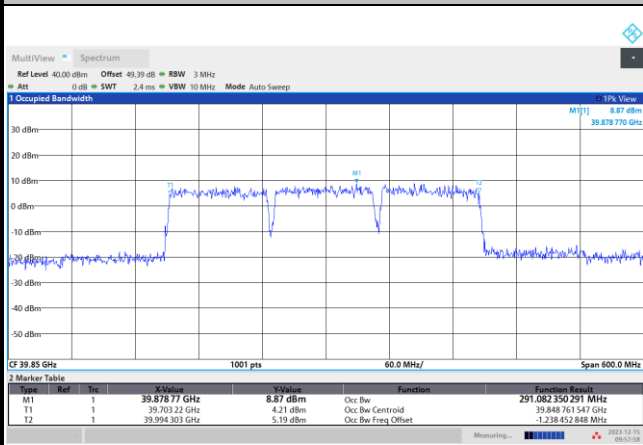
Middle Channel / 300MHz / 16QAM



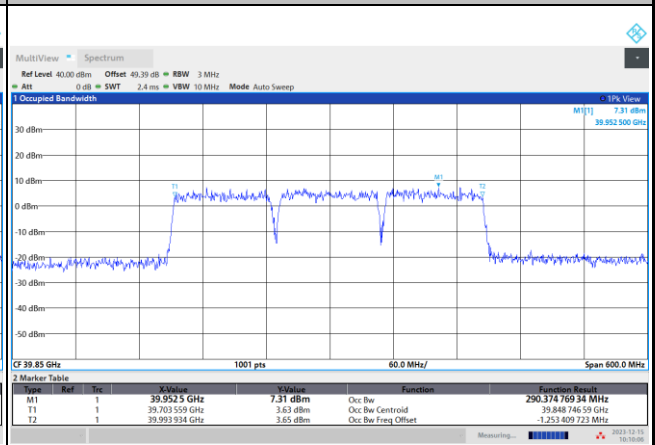
Middle Channel / 300MHz / 64QAM



Highest Channel / 300MHz / 16QAM



Highest Channel / 300MHz / 64QAM

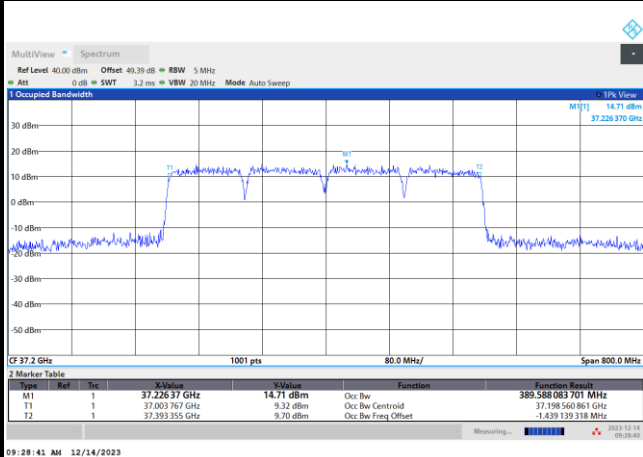




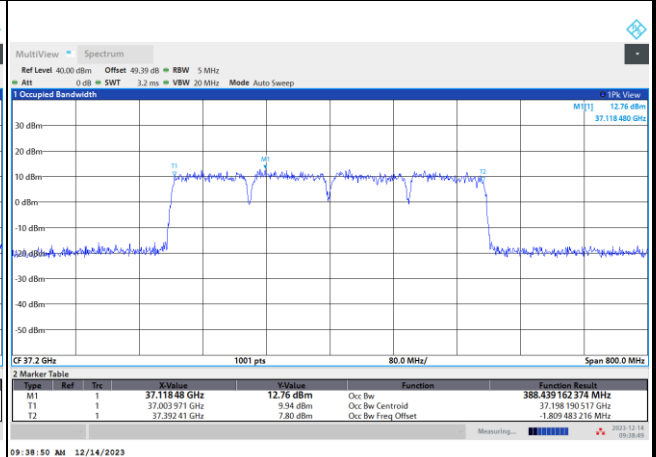
DFT-s-OFDM Module B

NR Band n260

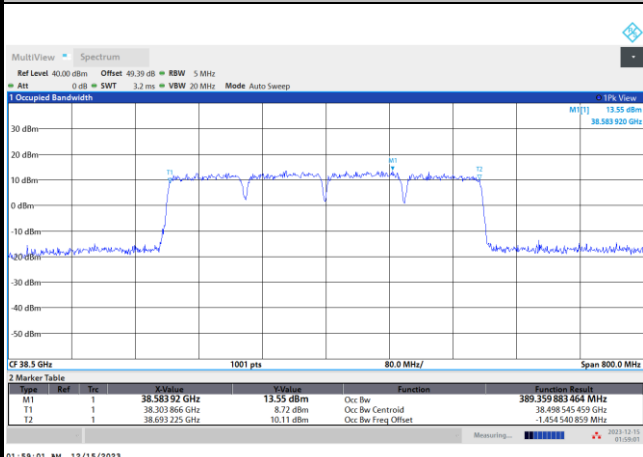
Lowest Channel / 400MHz / QPSK



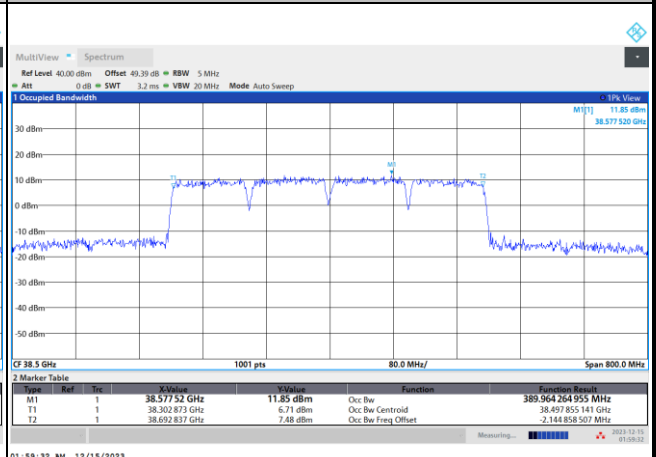
Lowest Channel / 400MHz / 16QAM



Middle Channel / 400MHz / QPSK



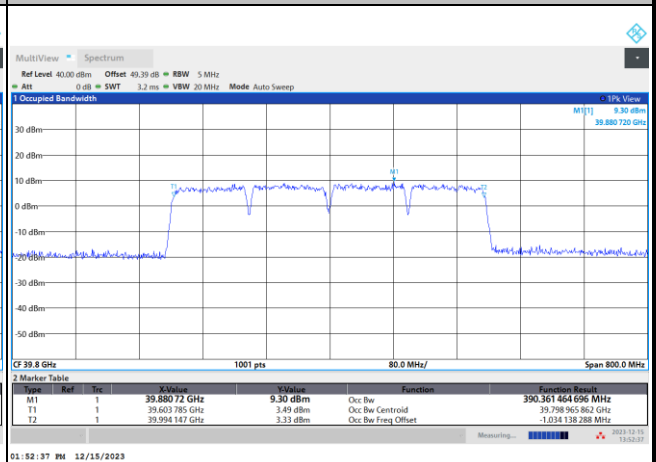
Middle Channel / 400MHz / 16QAM



Highest Channel / 400MHz / QPSK



Highest Channel / 400MHz / 16QAM



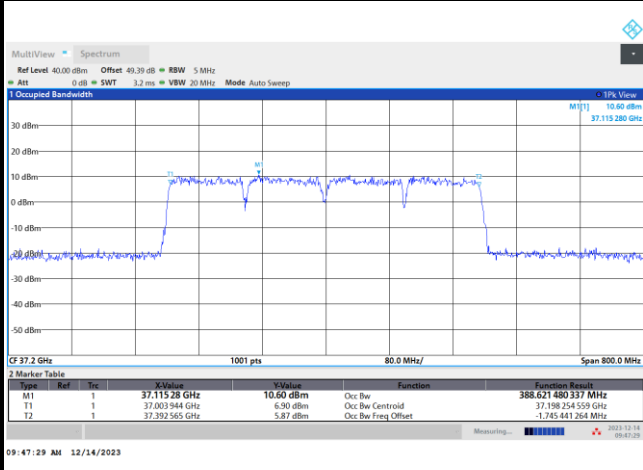




DFT-s-OFDM Module B

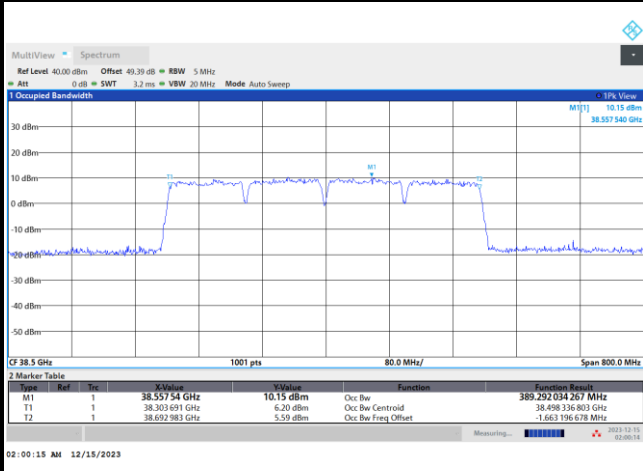
NR Band n260

Lowest Channel / 400MHz / 64QAM



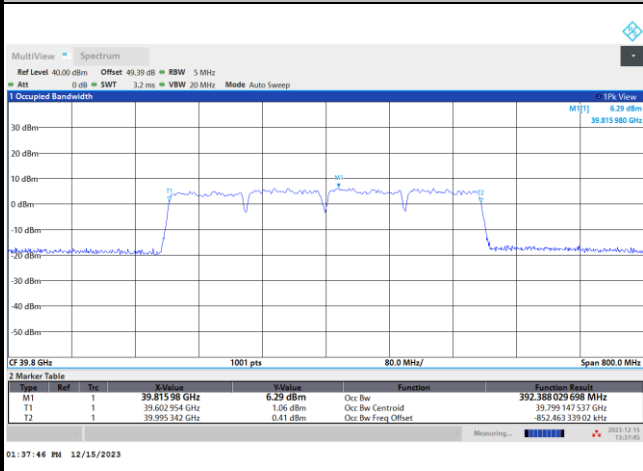
intentionally blank

Middle Channel / 400MHz / 64QAM



intentionally blank

Highest Channel / 400MHz / 64QAM



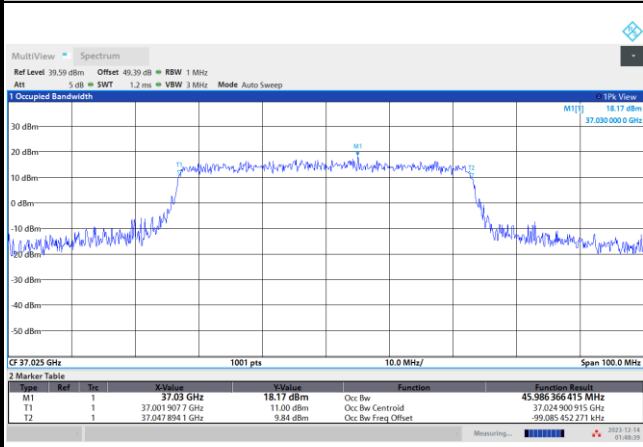
intentionally blank



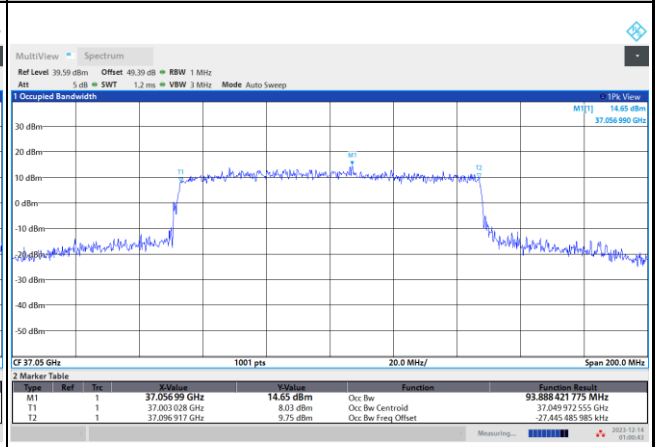
CP-OFDM Module B

NR Band n260

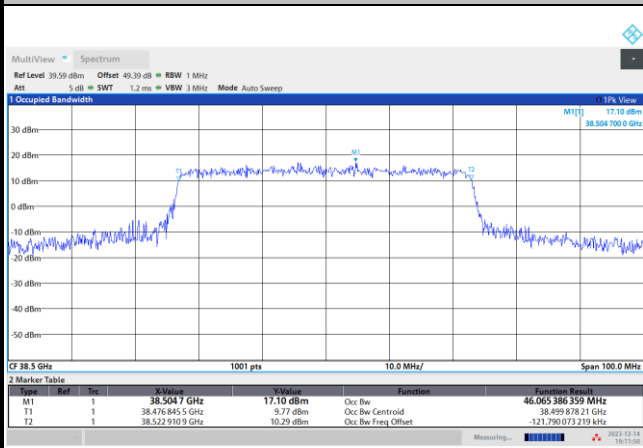
Lowest Channel / 50MHz / QPSK



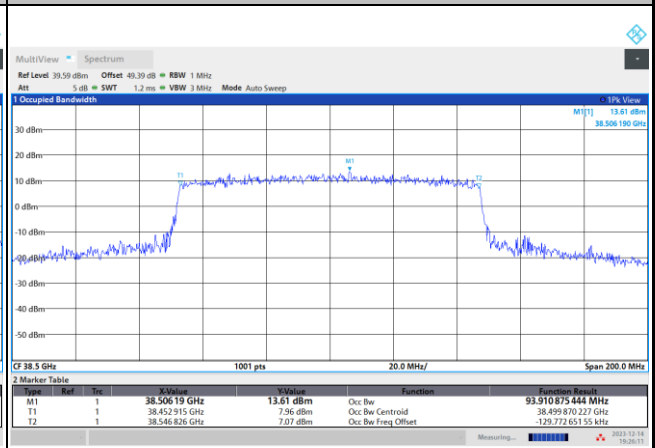
Lowest Channel / 100MHz / QPSK



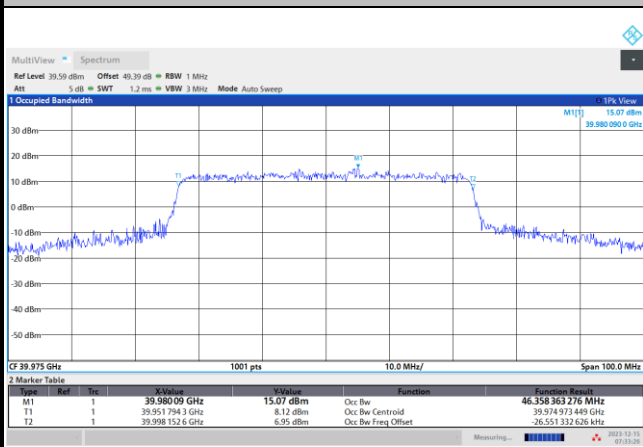
Middle Channel / 50MHz / QPSK



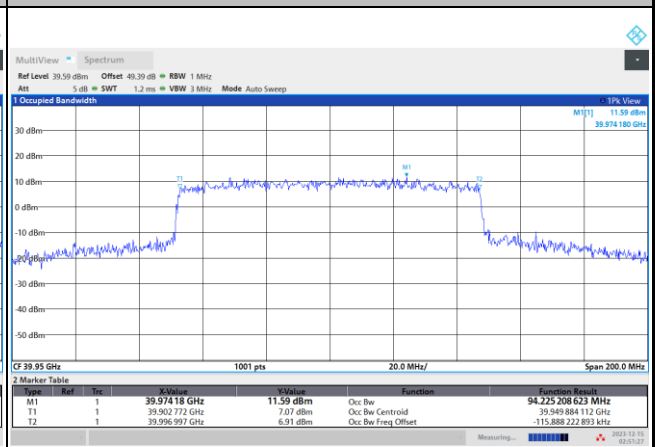
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

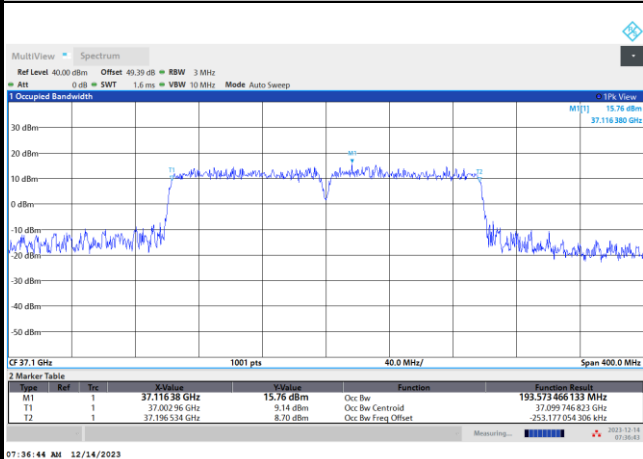




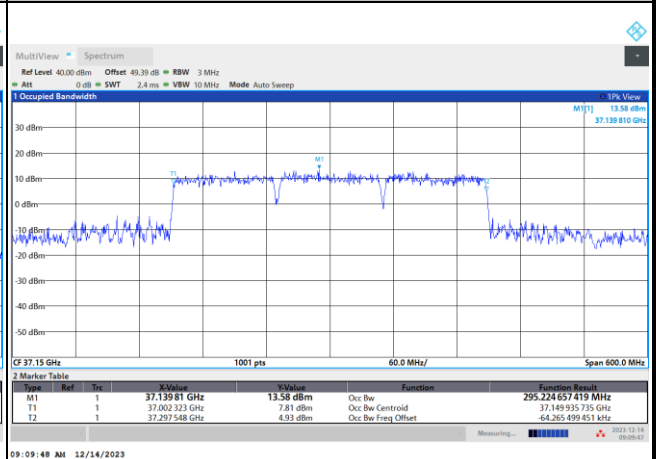
CP-OFDM Module B

NR Band n260

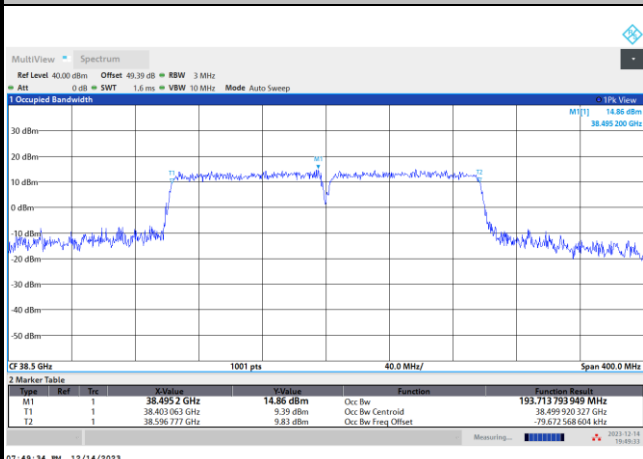
Lowest Channel / 200MHz / QPSK



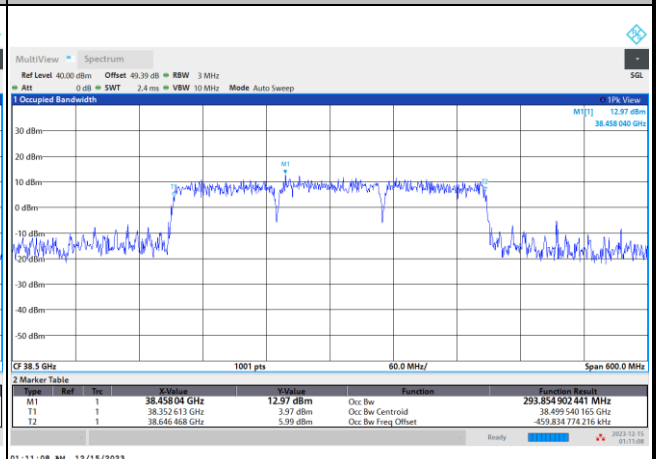
Lowest Channel / 300MHz / QPSK



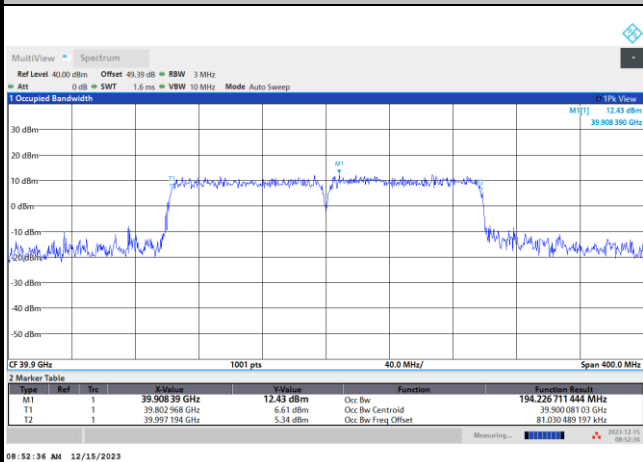
Middle Channel / 200MHz / QPSK



Middle Channel / 300MHz / QPSK



Highest Channel / 200MHz / QPSK



Highest Channel / 300MHz / QPSK

