

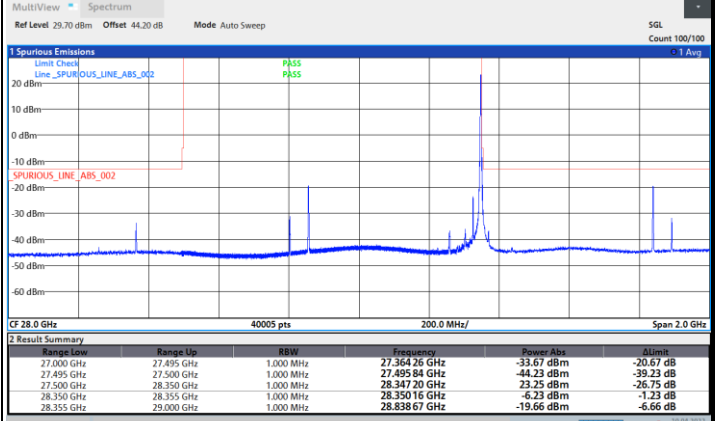
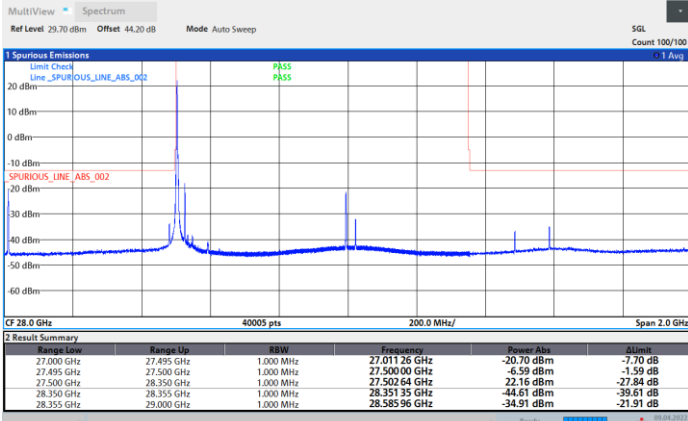


DFT-s-OFDM Module A

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB

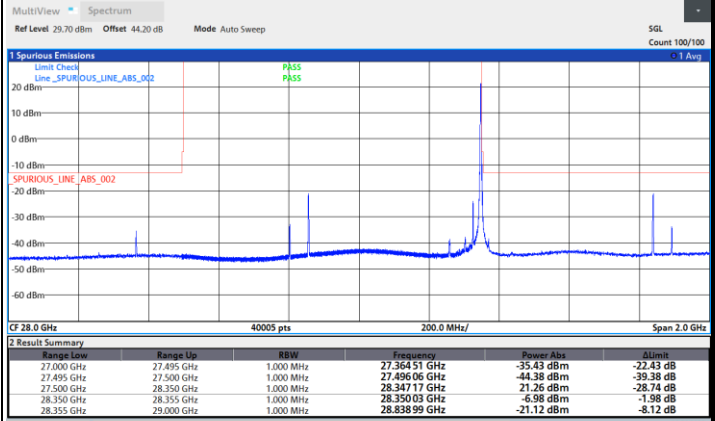
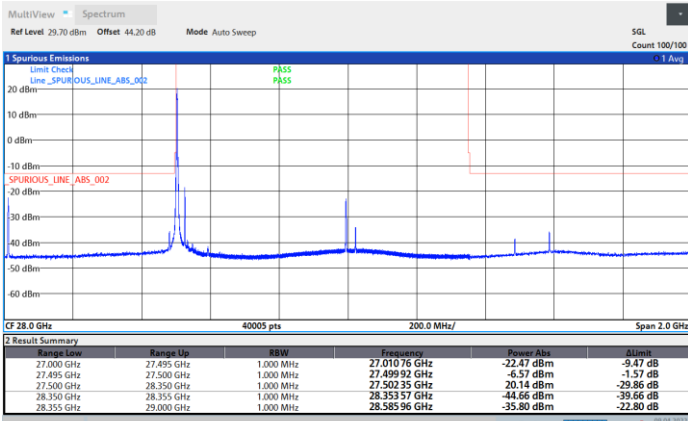
Highest Band Edge / 1 RB



NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



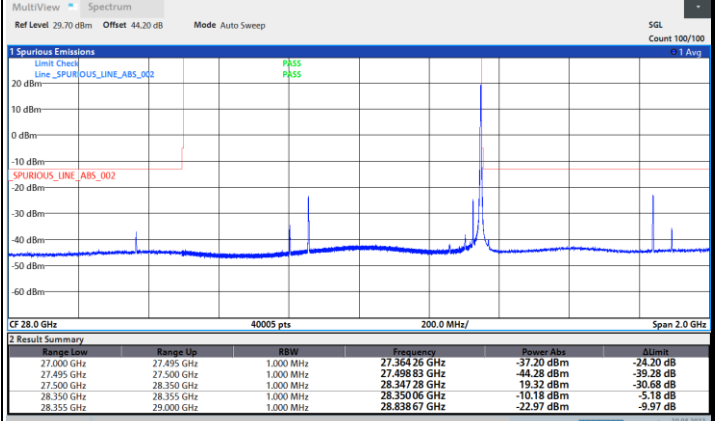
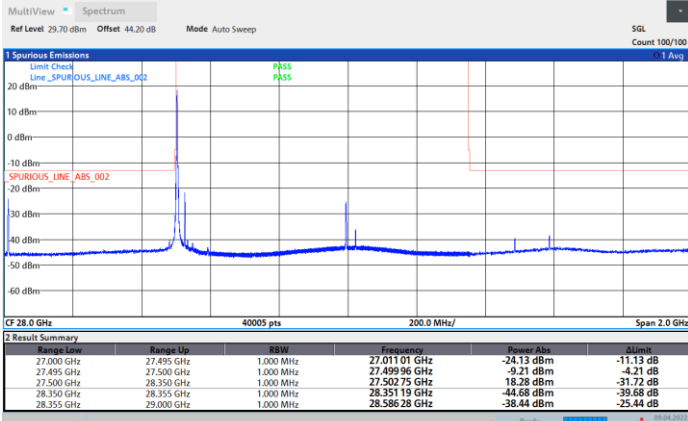


DFT-s-OFDM Module A

NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / 1 RB

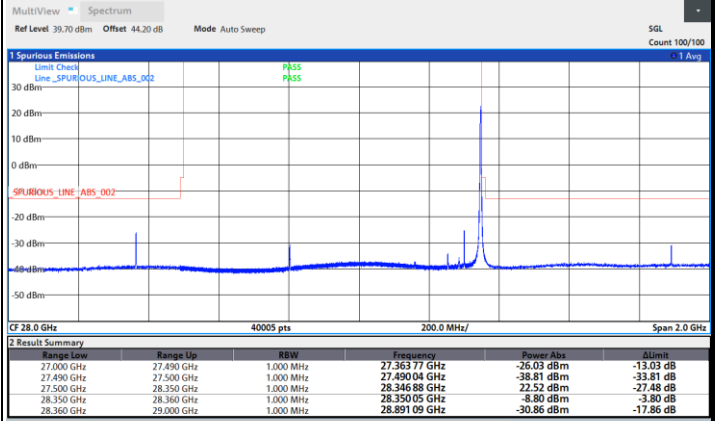
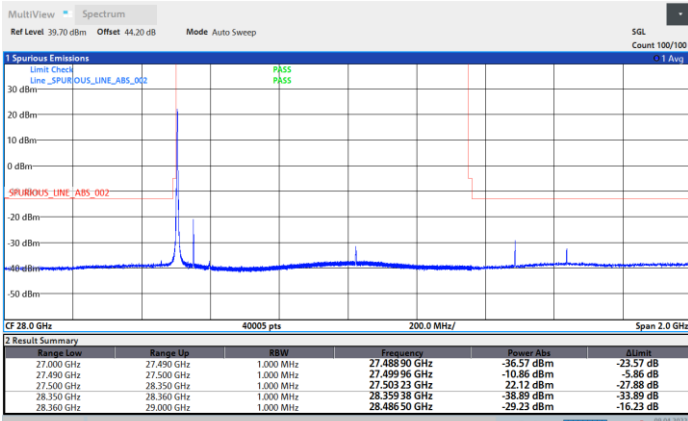
Highest Band Edge / 1 RB



NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



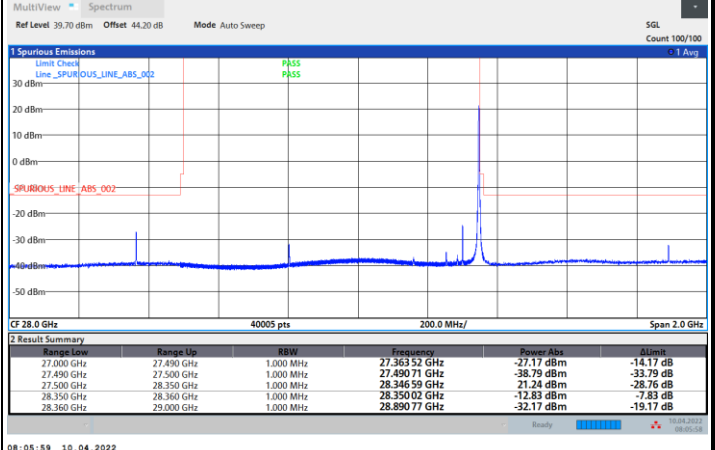
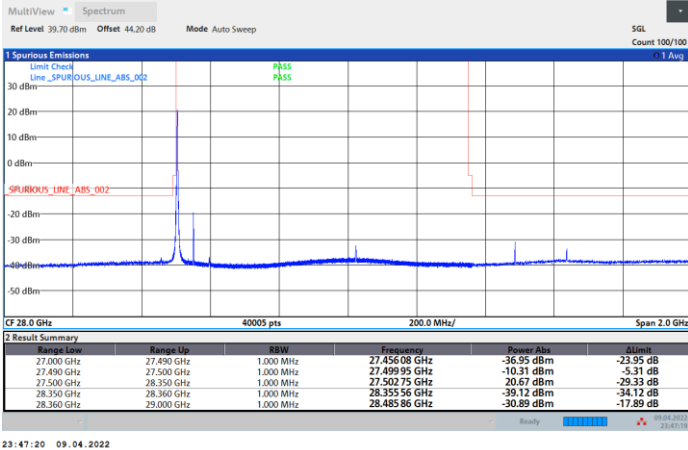


DFT-s-OFDM Module A

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / 1 RB

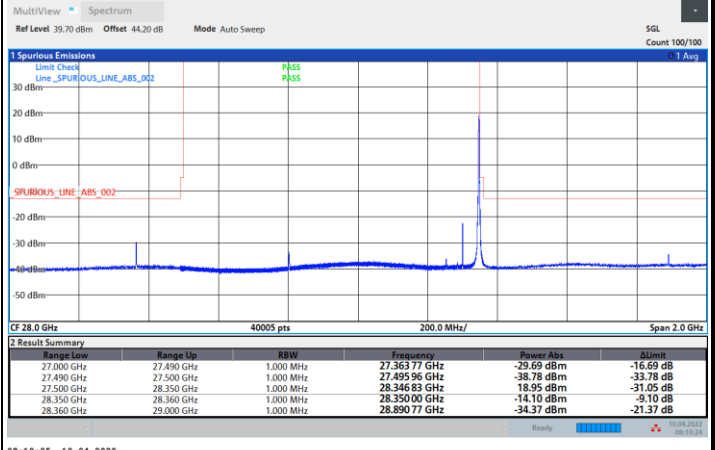
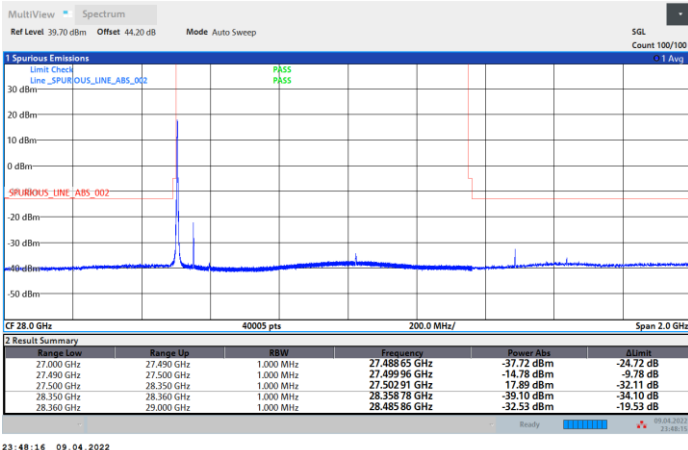
Highest Band Edge / 1 RB



NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



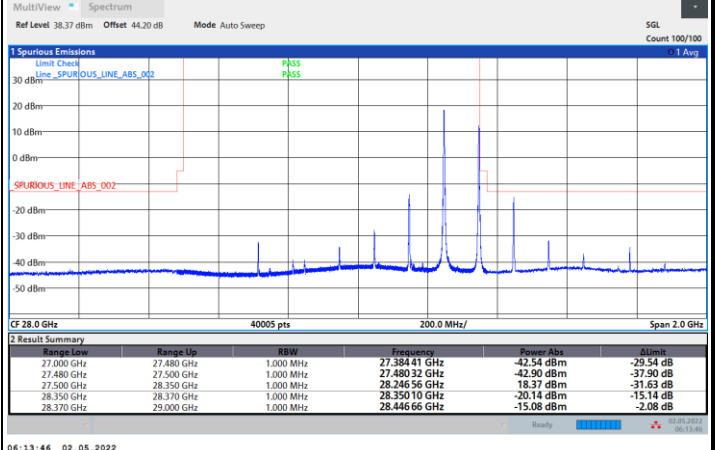
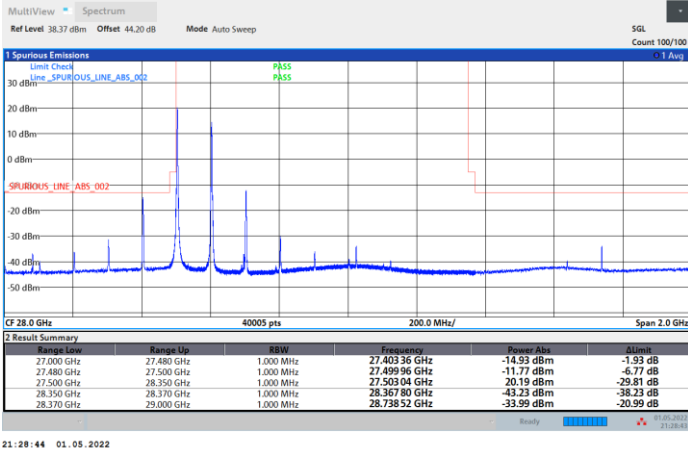


DFT-s-OFDM Module A

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / 1 RB

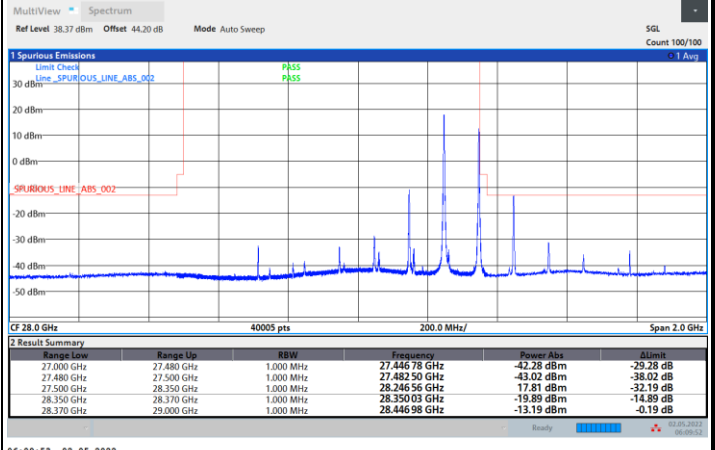
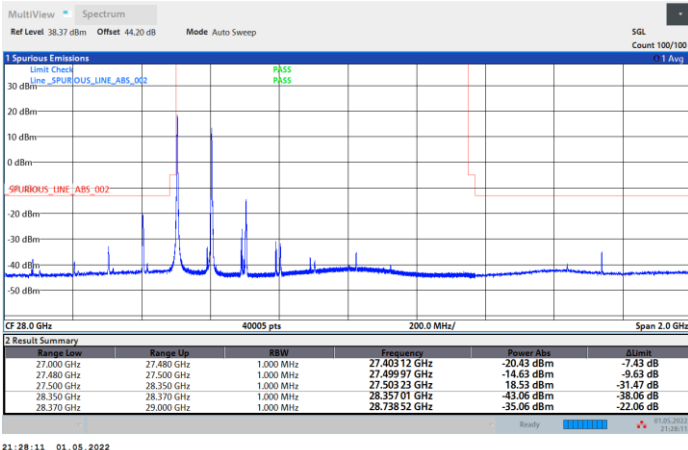
Highest Band Edge / 1 RB



NR Band n261 / 200MHz / 16QAM

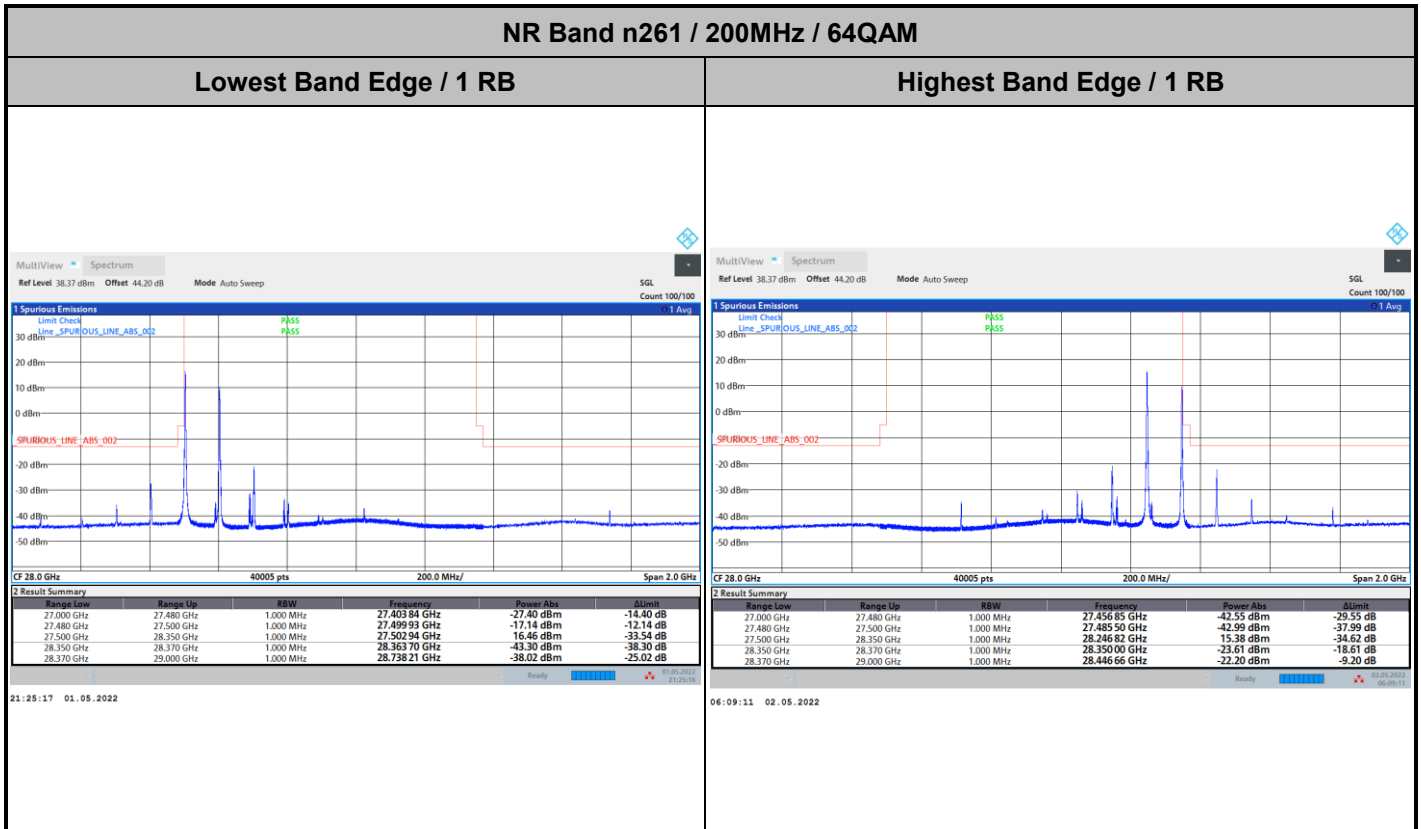
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB





DFT-s-OFDM Module A



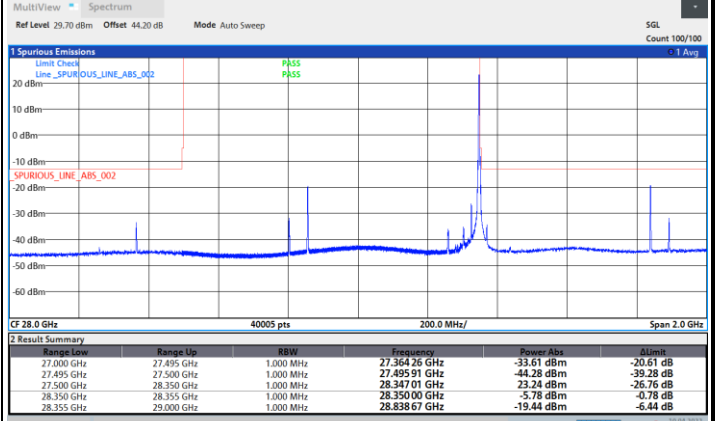
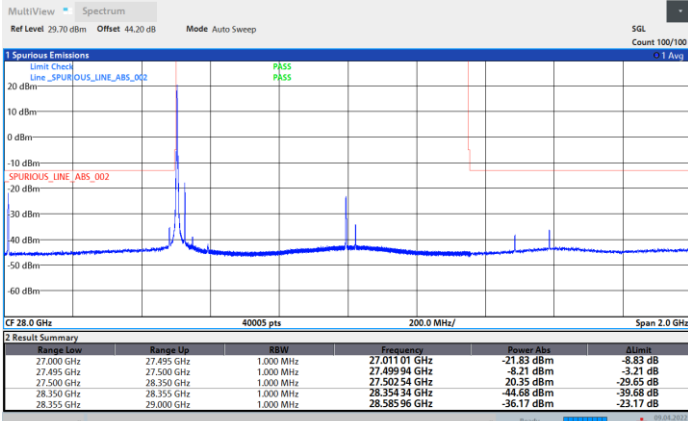


CP-OFDM Module A

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB

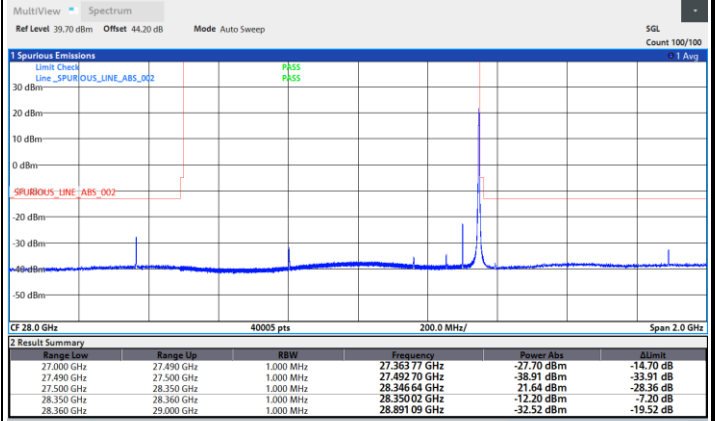
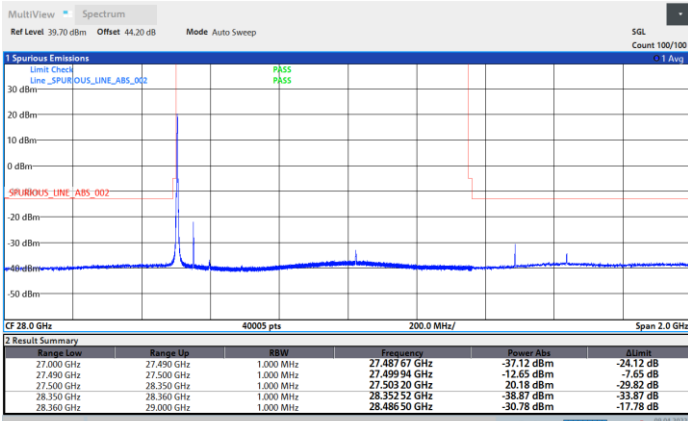
Highest Band Edge / 1 RB



NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



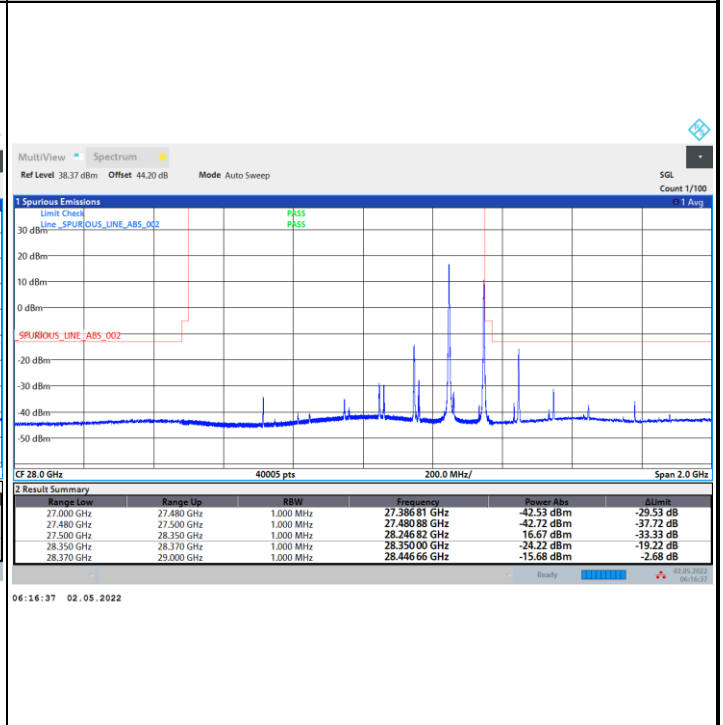
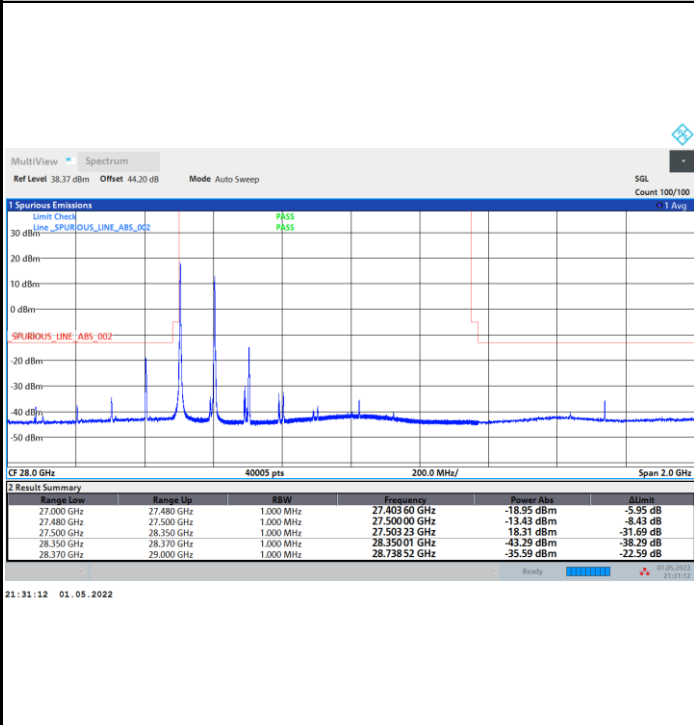


CP-OFDM Module A

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



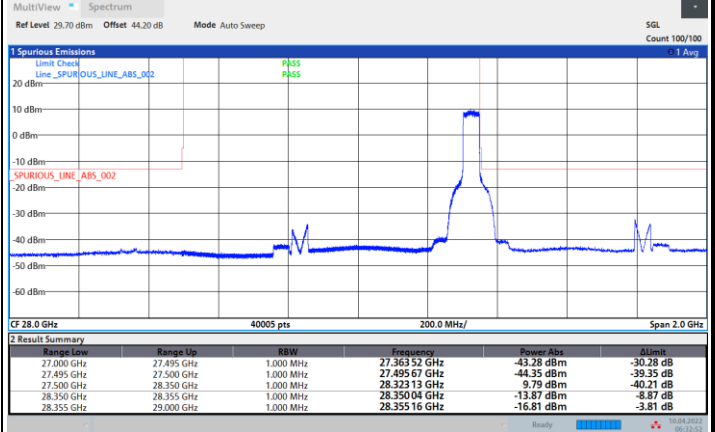
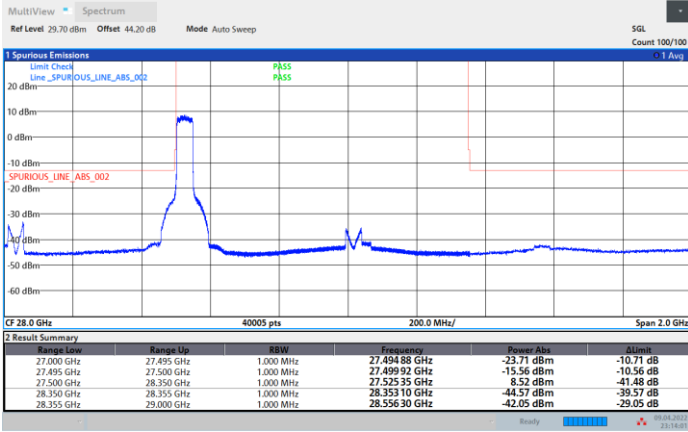


DFT-s-OFDM Module A

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB

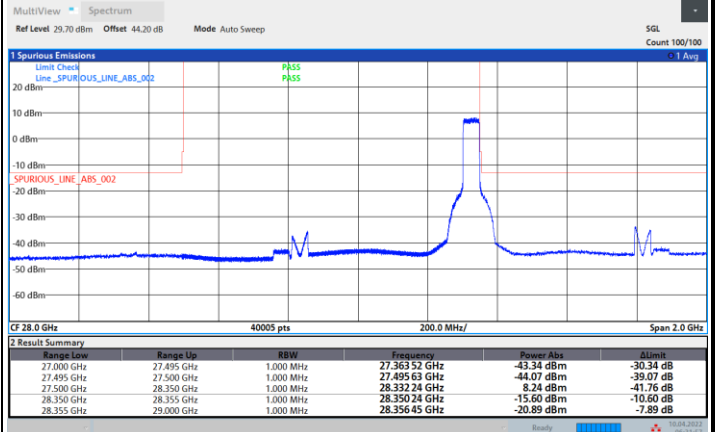
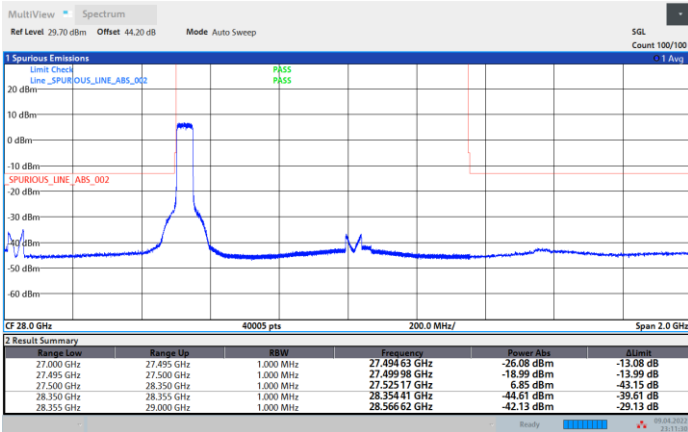
Highest Band Edge / Full RB



NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB





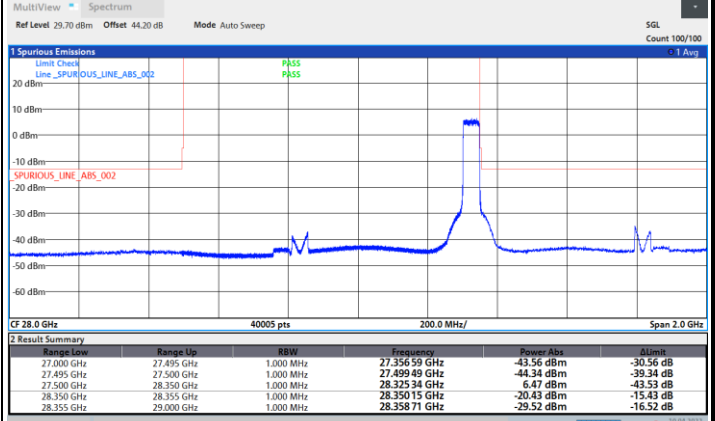
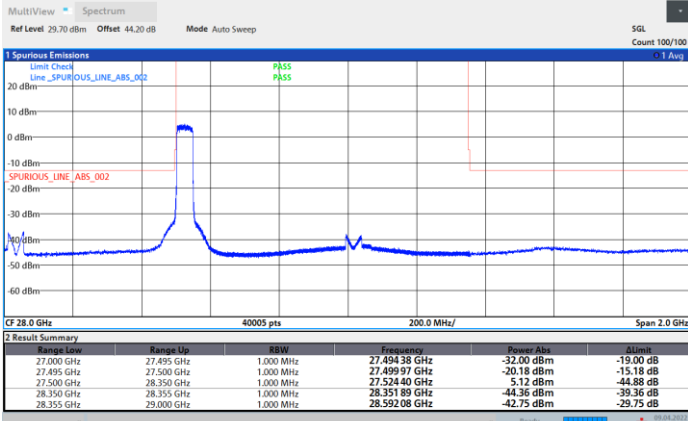


DFT-s-OFDM Module A

NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / Full RB

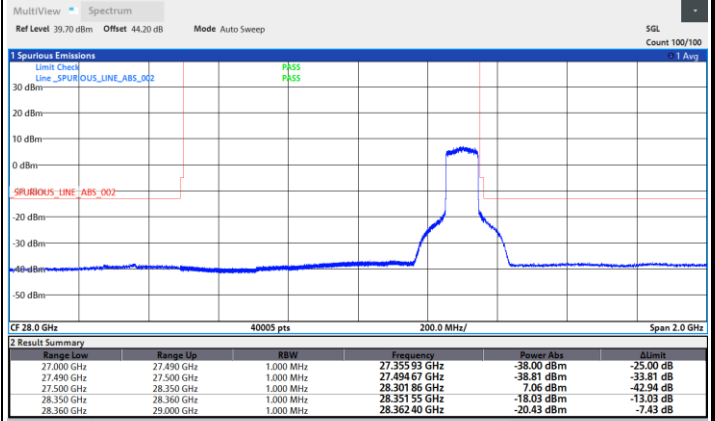
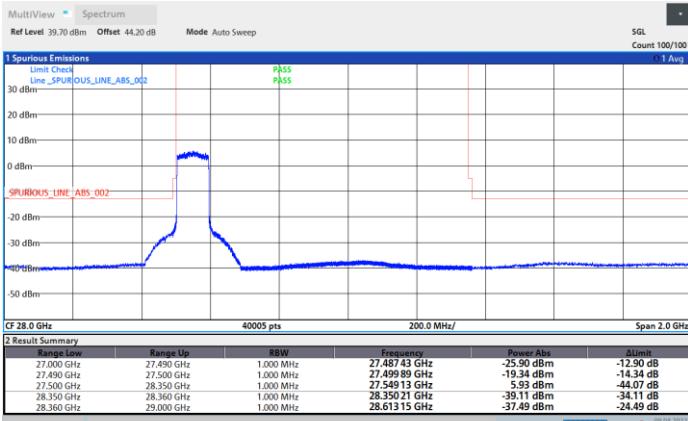
Highest Band Edge / Full RB



NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



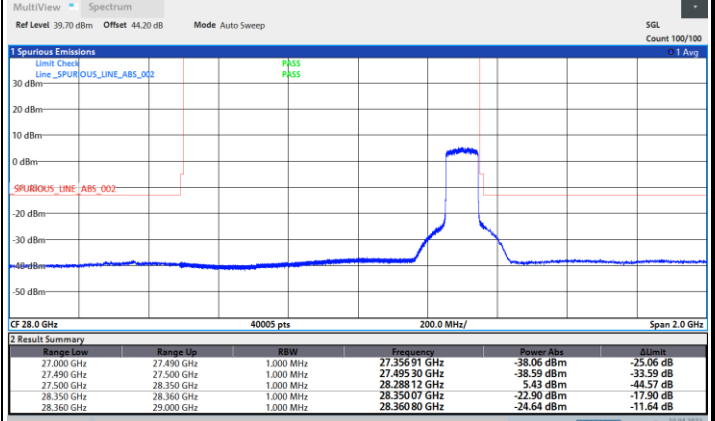
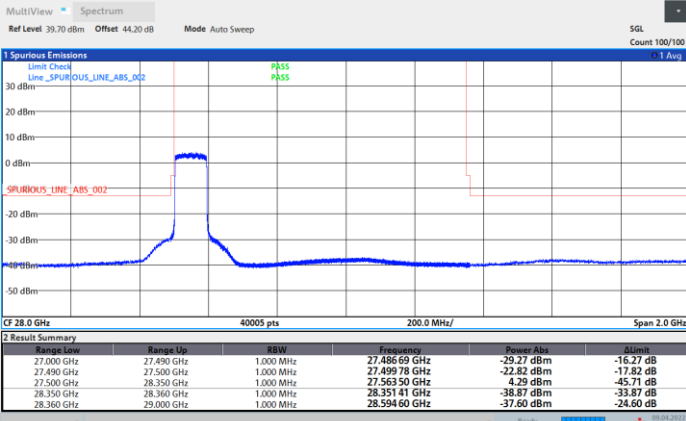


DFT-s-OFDM Module A

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / Full RB

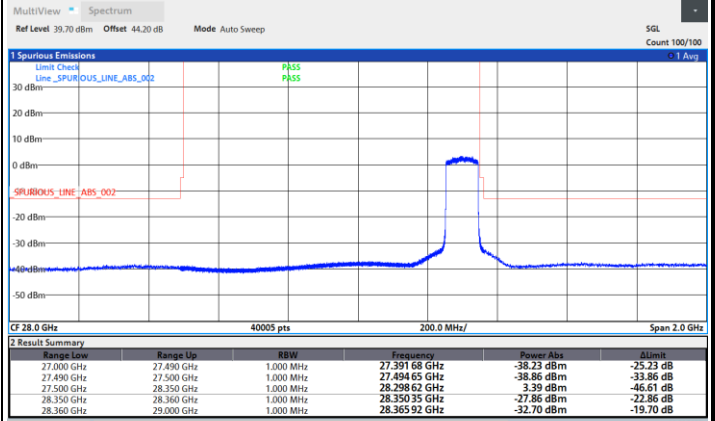
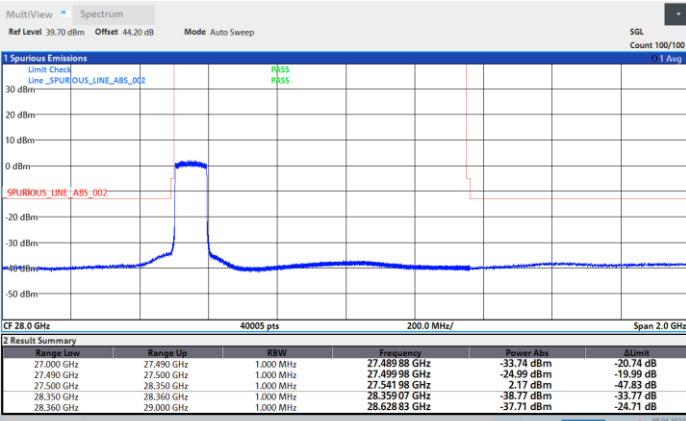
Highest Band Edge / Full RB



NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



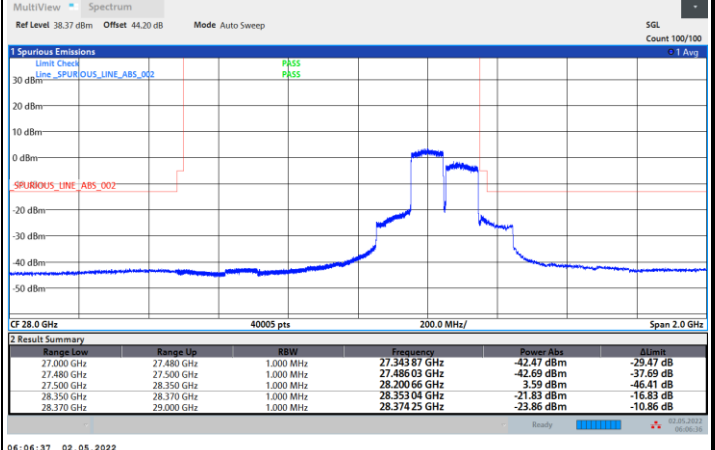
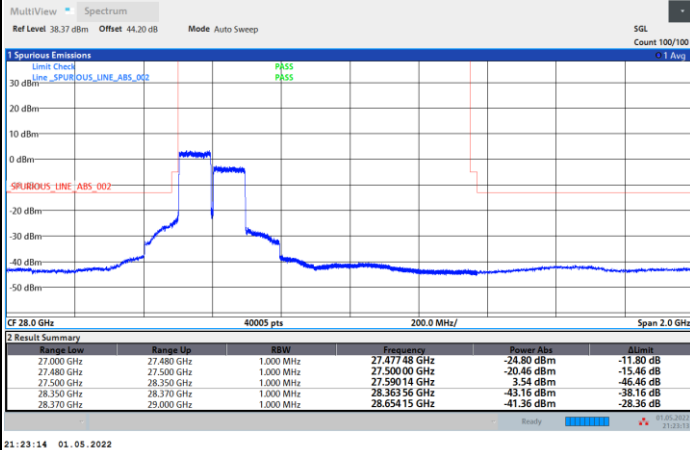


DFT-s-OFDM Module A

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB

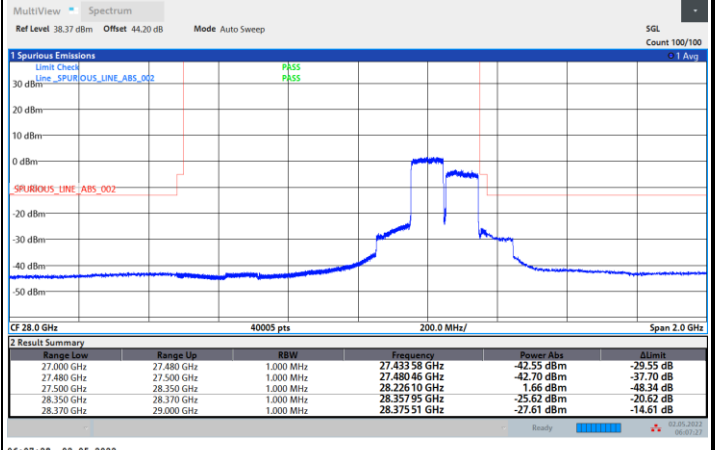
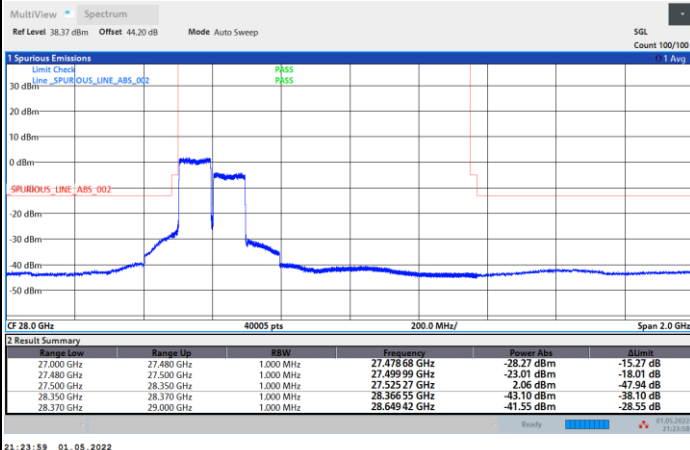
Highest Band Edge / Full RB



NR Band n261 / 200MHz / 16QAM

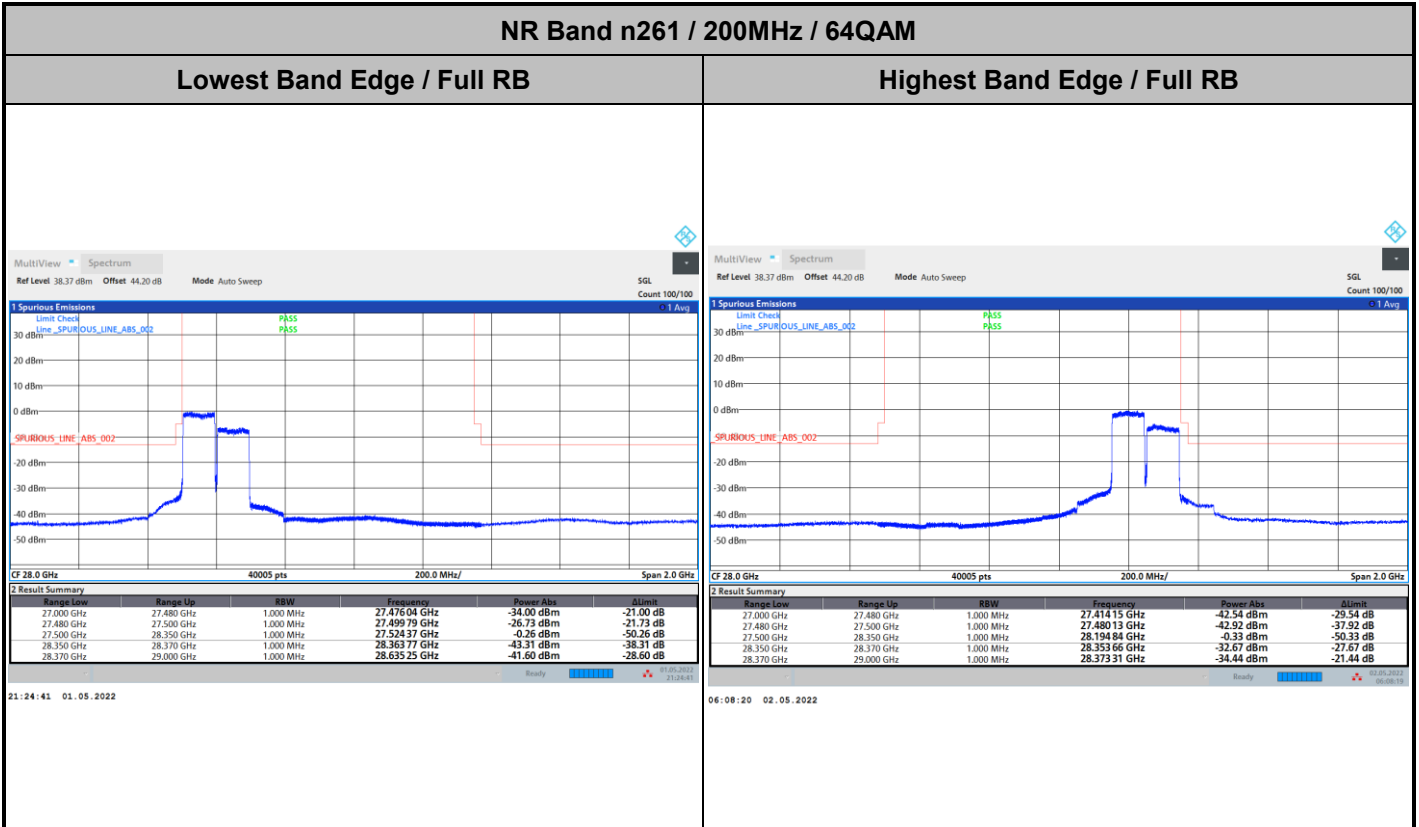
Lowest Band Edge / Full RB

Highest Band Edge / Full RB





DFT-s-OFDM Module A

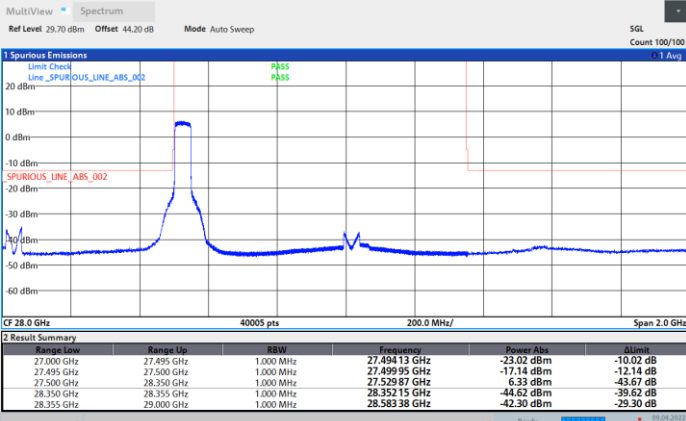




CP-OFDM Module A

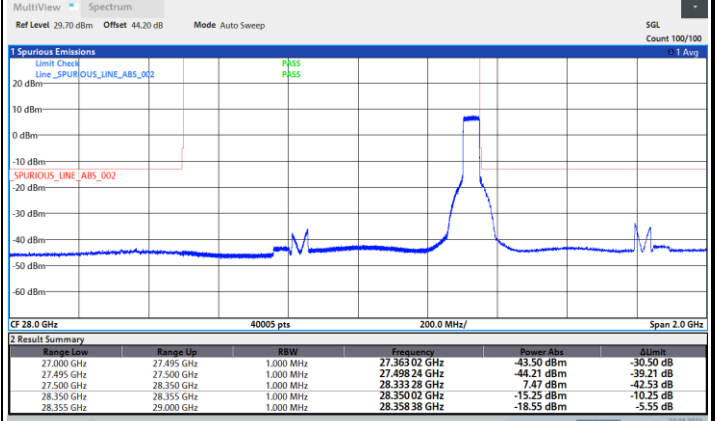
NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB



23:15:00 09.04.2022

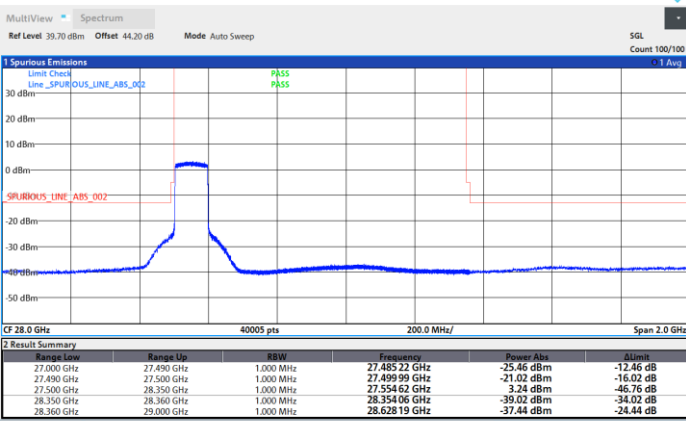
Highest Band Edge / Full RB



06:33:45 10.04.2022

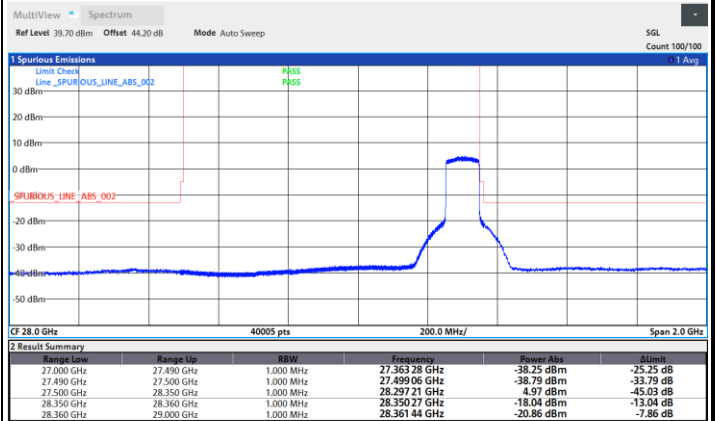
NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



23:54:21 09.04.2022

Highest Band Edge / Full RB



08:23:17 10.04.2022

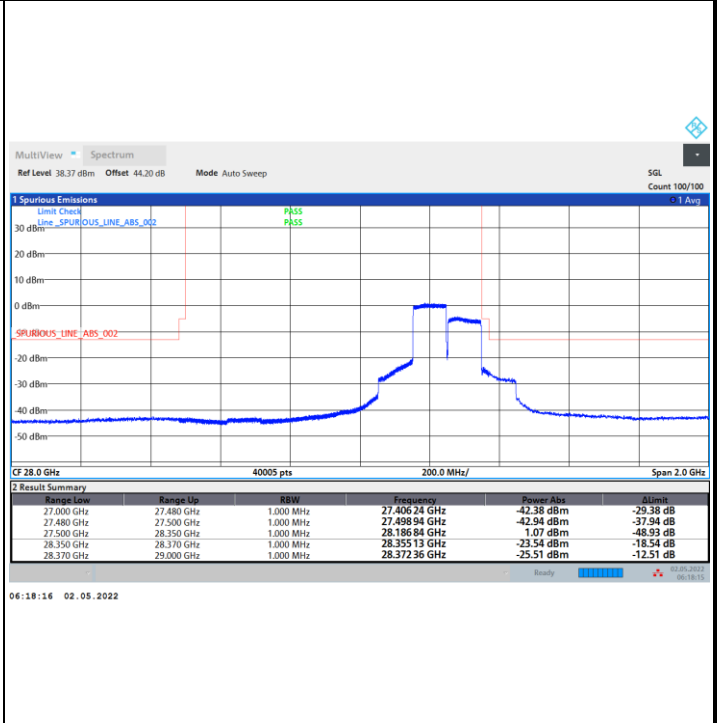
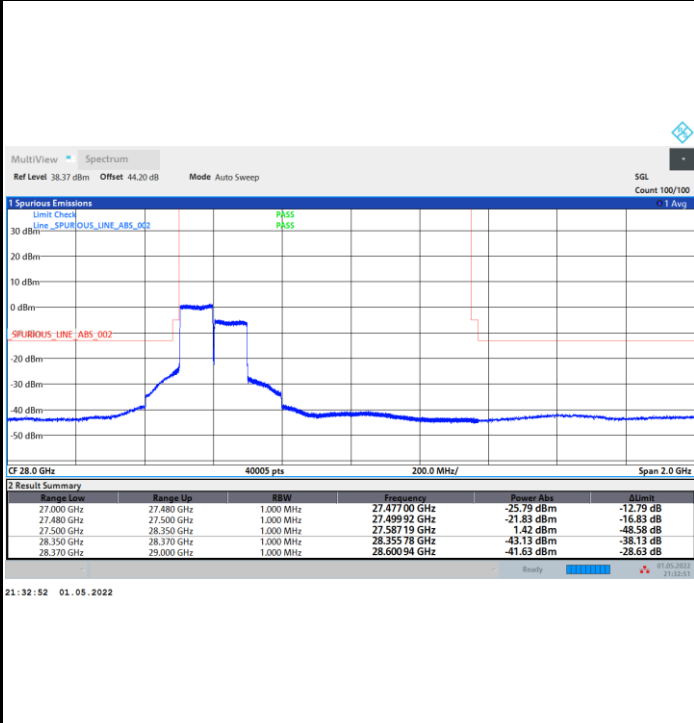


CP-OFDM Module A

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

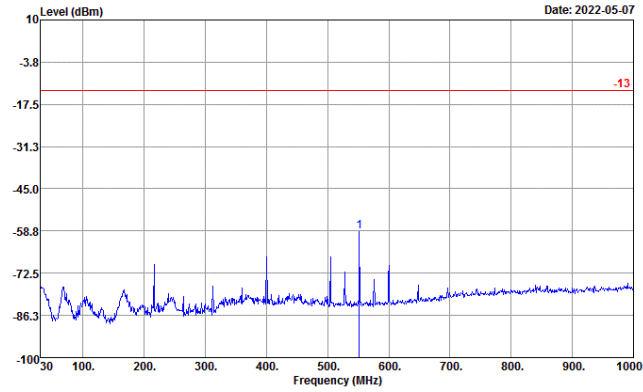




# Spurious Emission

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

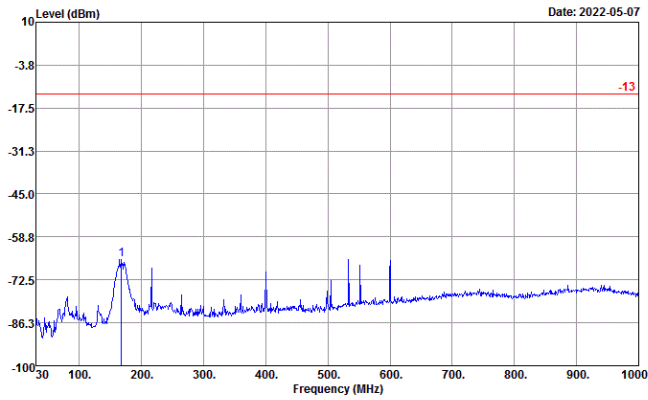
### Horizontal



Site : 03CH10-HY  
 Condition : -13 EIRP\_WO HORIZONTAL  
 Project : IO2843-05  
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	551.86	-59.06	-46.06 -13.00

### Vertical



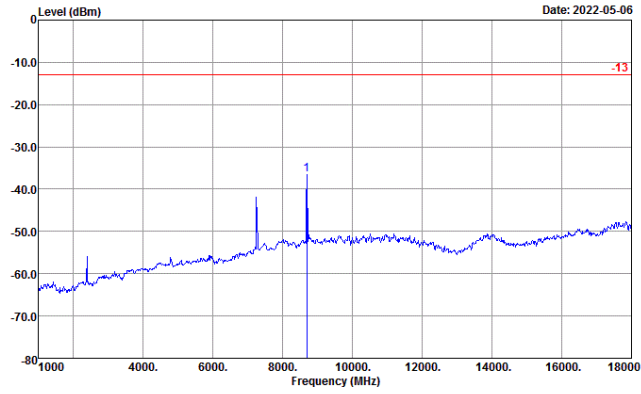
Site : 03CH10-HY  
 Condition : -13 EIRP\_WO VERTICAL  
 Project : IO2843-05  
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1	167.74	-66.04	-53.04 -13.00



NR Band n261 (1GHz-18GHz)

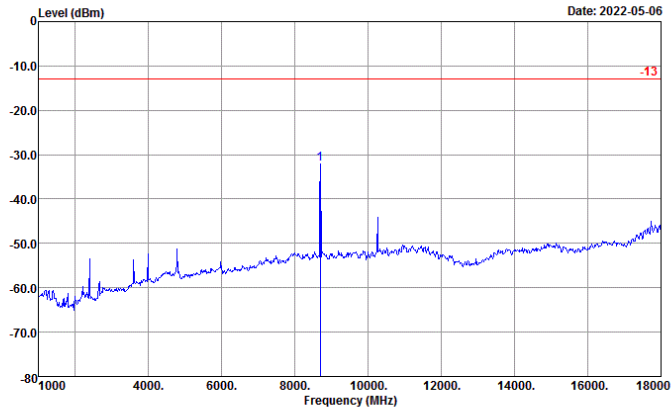
Horizontal



Site : 03CH10-HY  
 Condition : -13 EIRP\_WO HORIZONTAL  
 Project : 102843-05  
 : n261 MA

Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1 8701.00	-36.59	-23.59	-13.00

Vertical



Site : 03CH10-HY  
 Condition : -13 EIRP\_WO VERTICAL  
 Project : 102843-05  
 : n261 MA

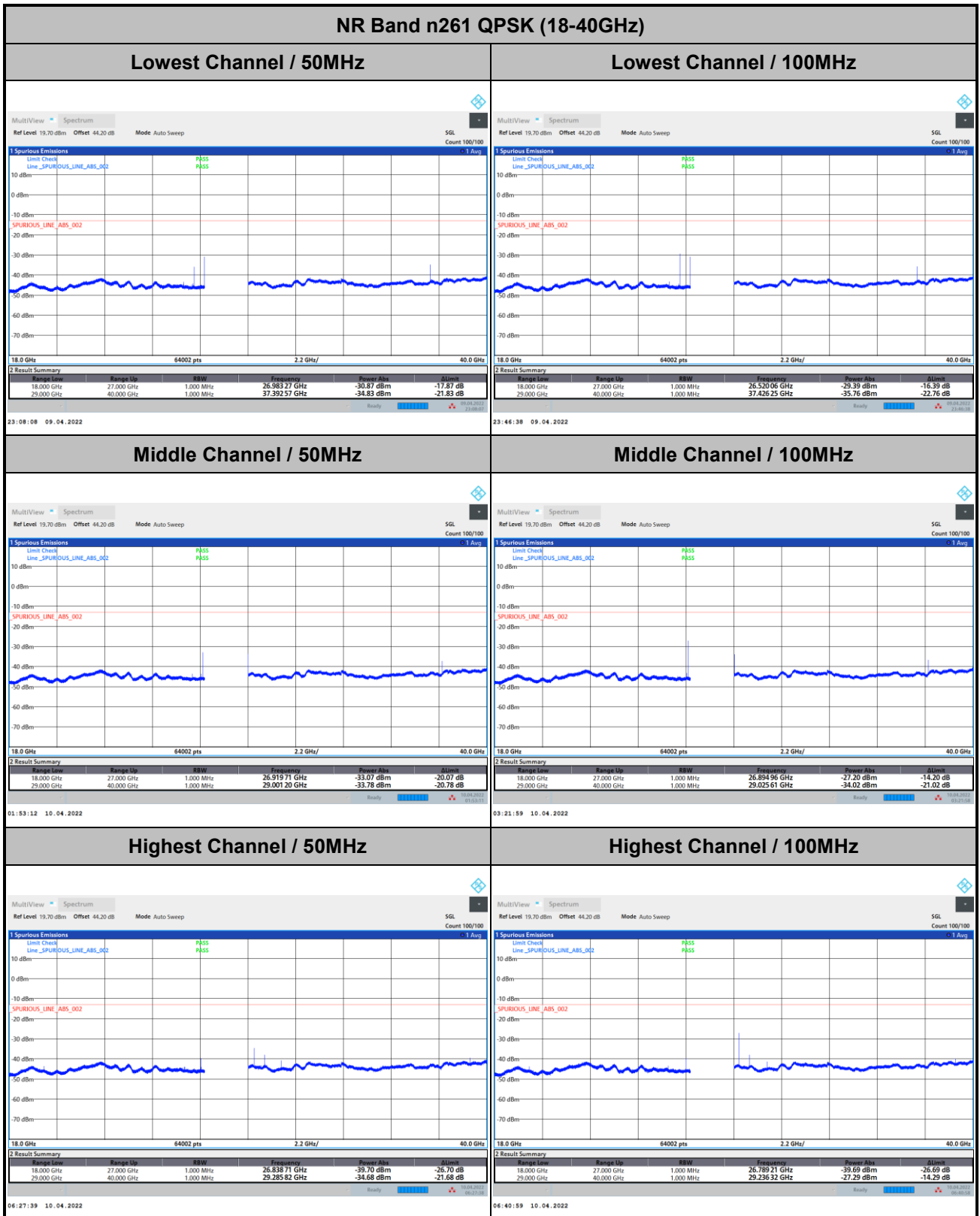
Freq	Level	Over	Limit
MHz	dBm	dB	dBm
1 8701.00	-32.15	-19.15	-13.00





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

DFT-s-OFDM Module A



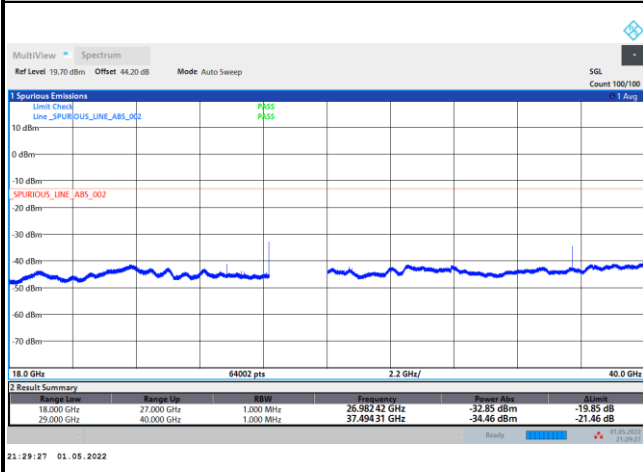
Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module A

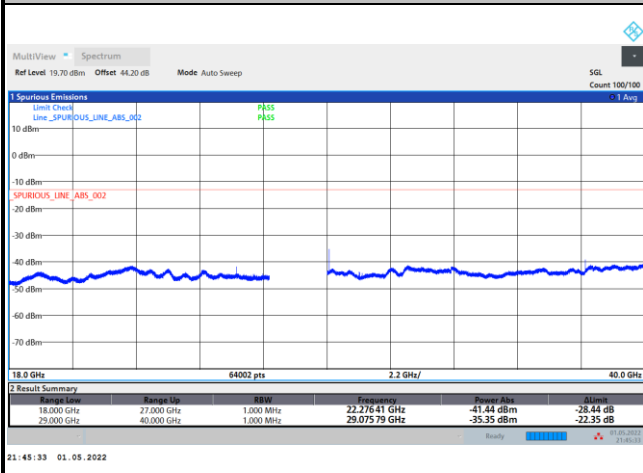
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 200MHz



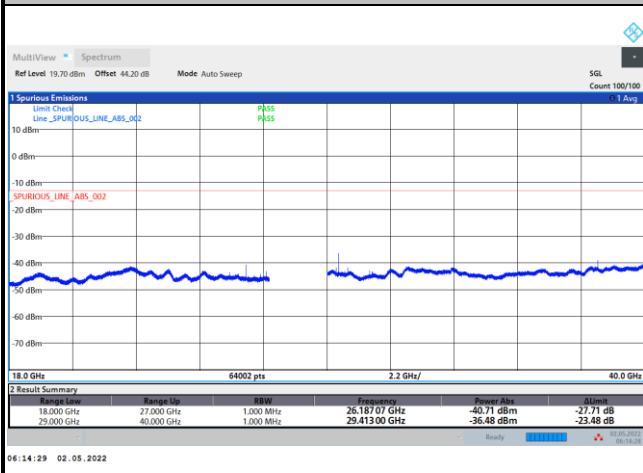
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz



intentionally blank

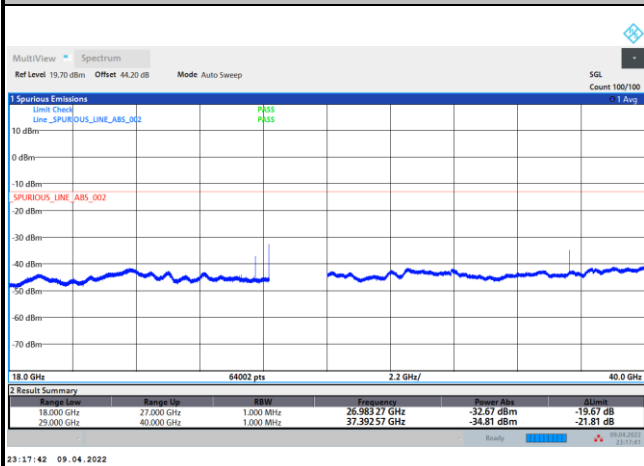
Remark: In band and out of band frequencies are omitted.



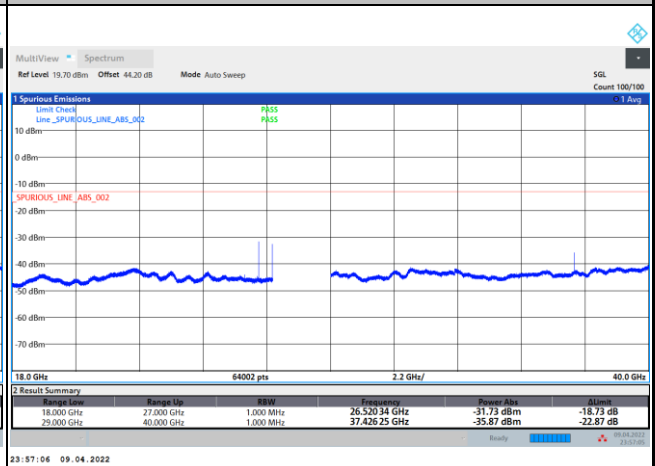
CP-OFDM Module A

NR Band n261 QPSK (18-40GHz)

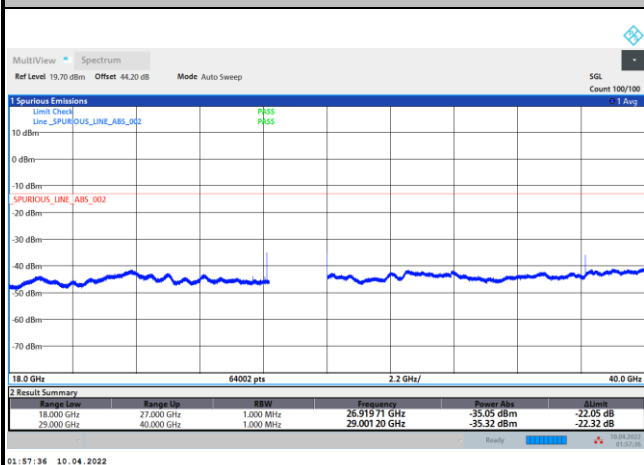
Lowest Channel / 50MHz



Lowest Channel / 100MHz



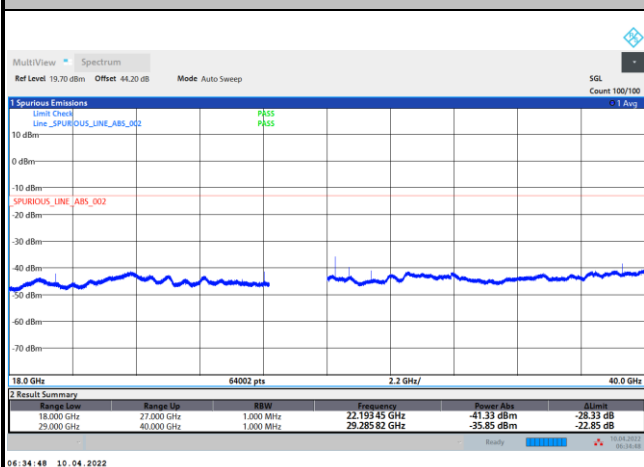
Middle Channel / 50MHz



Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz



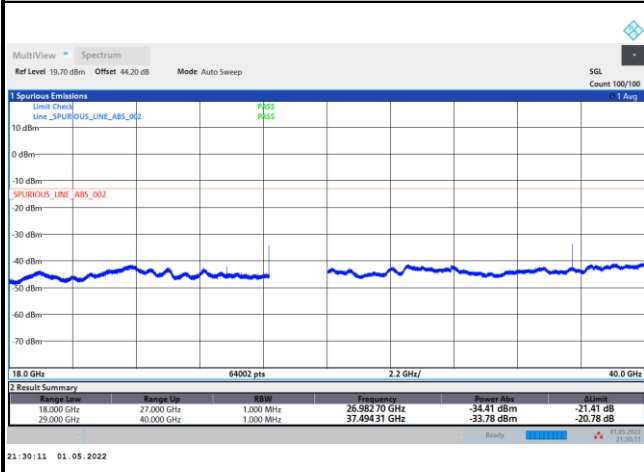
Remark: In band and out of band frequencies are omitted.



CP-OFDM Module A

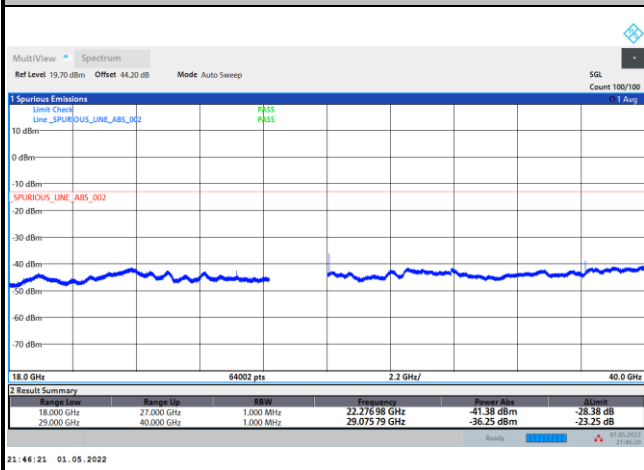
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 200MHz



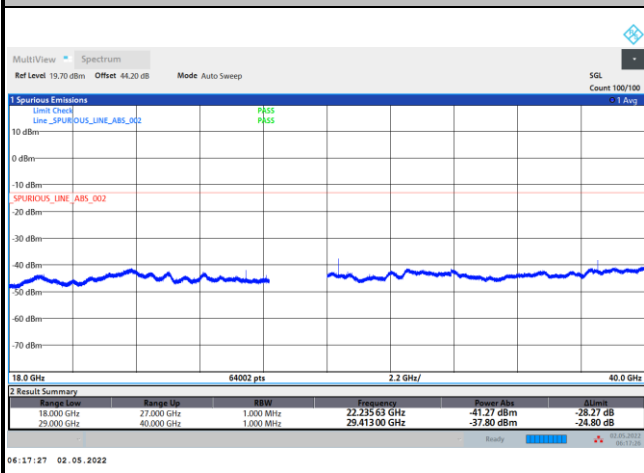
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz



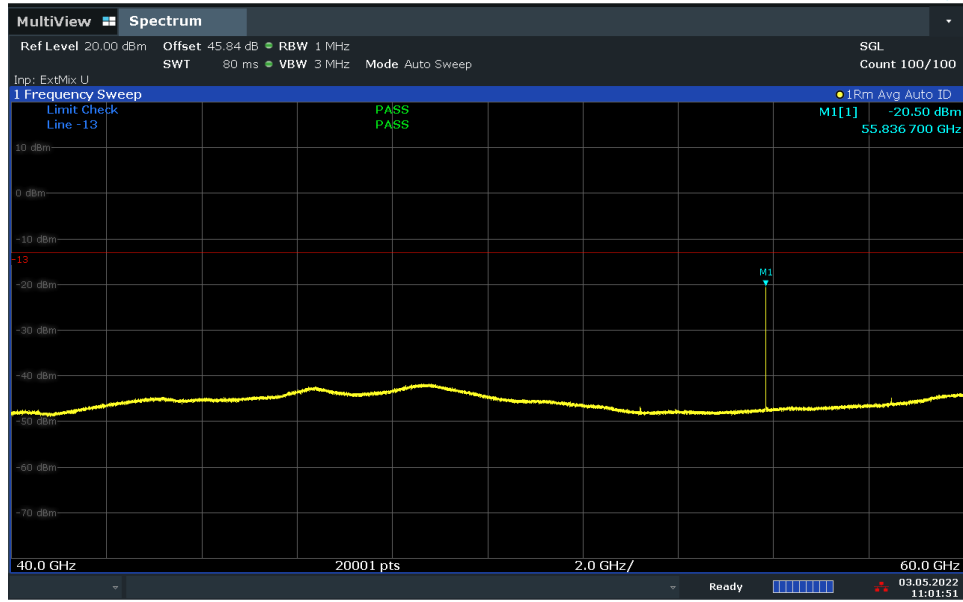
intentionally blank

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



NR Band n261

(40GHz-60GHz)

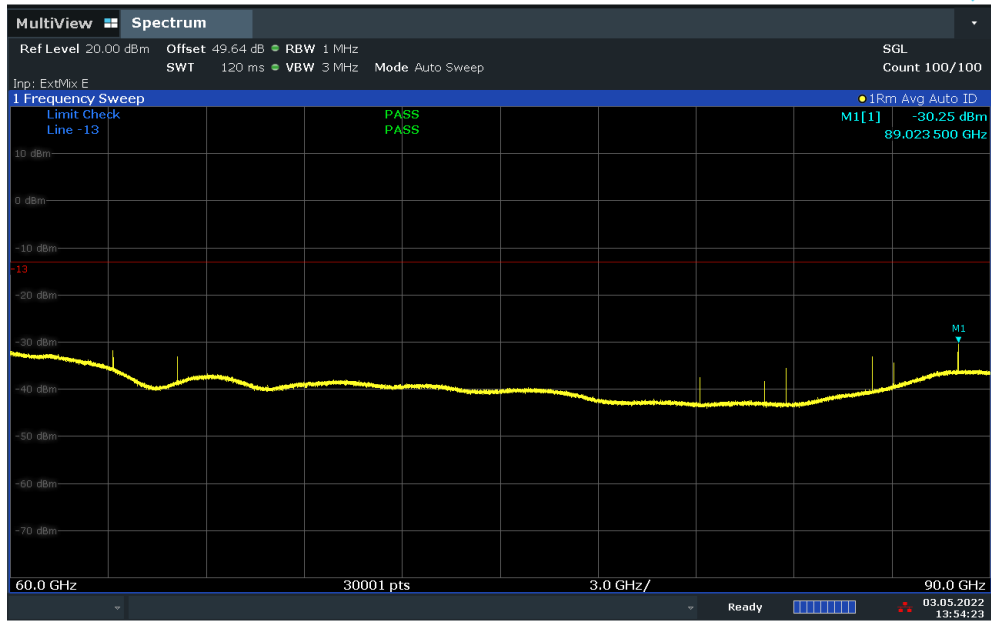


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$
$$= 43.1 + 0.54 + 107 + 20\log(1) - 104.8 = 45.84 \text{ (dB)}$$



NR Band n261

(60GHz-90GHz)



$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$
$$= 46.9 + 0.54 + 107 + 20\log(1) - 104.8 = 49.64 \text{ (dB)}$$



NR Band n261

(90GHz-100GHz)



$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$
$$= 47.92 + 0.54 + 107 + 20\log(0.5) - 104.8 = 44.64 \text{ (dB)}$$



**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	27.925971	78.900	2.825	Pass
40	Normal Voltage	27.925986	63.900	2.288	
30	Normal Voltage	27.9260209	29.000	1.038	
20(Ref.)	Normal Voltage	27.9260499	0.000	0.000	
10	Normal Voltage	27.9260229	27.000	0.967	
0	Normal Voltage	27.9260739	-24.000	0.859	
-10	Normal Voltage	27.9261078	-57.900	2.073	
-20	Normal Voltage	27.9261028	-52.900	1.894	
-30	Normal Voltage	27.9260659	-16.000	0.573	
20	Maximum Voltage	27.9260359	14.000	0.501	
20	Normal Voltage	27.9260469	3.000	0.107	
20	Battery End Point	27.9260439	6.000	0.215	

**Note:**

1. Normal Voltage =3.86 V. ; Battery End Point (BEP) =3.40 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the operation band.





# NR Band n261 Module B AGH+V

## Occupied Bandwidth

Mode	DFT-s-OFDM Module A NR Band n261 : 99%OBW(MHz)								
	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	46.10	46.08	46.17	91.74	91.45	91.52	190.33	191.05	190.24
Middle CH	46.06	46.01	45.93	91.40	91.40	91.34	190.46	190.14	189.80
Highest CH	46.02	46.15	46.04	91.46	91.43	91.31	190.64	190.26	190.23

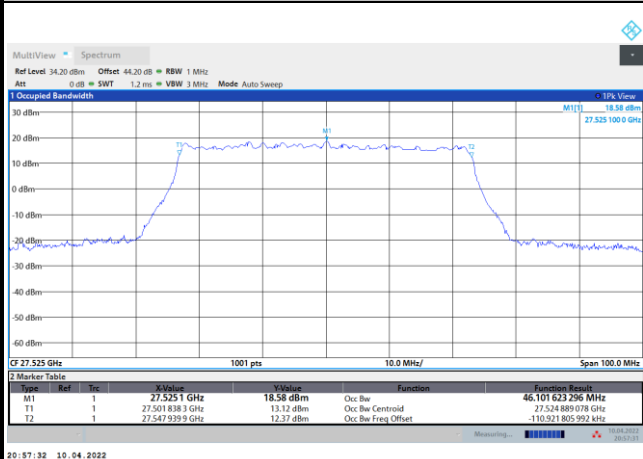
Mode	CP-OFDM Module A NR Band n261 : 99%OBW(MHz)		
	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	46.05	94.32	193.48
Middle CH	45.88	94.23	193.61
Highest CH	45.97	94.24	193.58



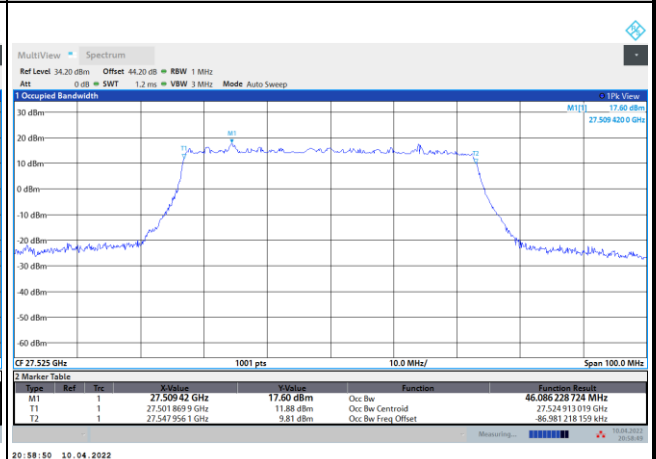
DFT-s-OFDM Module A

NR Band n261

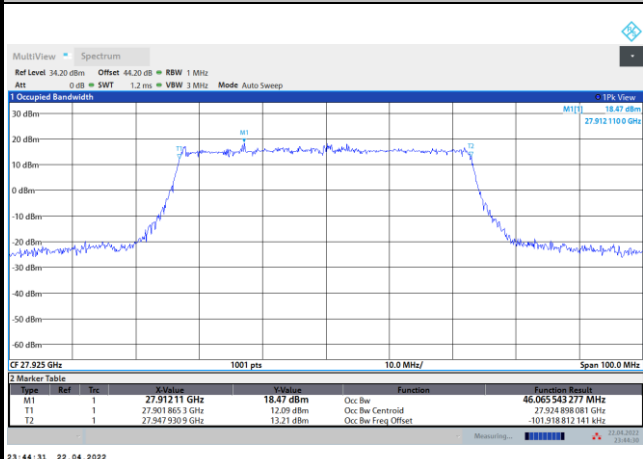
Lowest Channel / 50MHz / QPSK



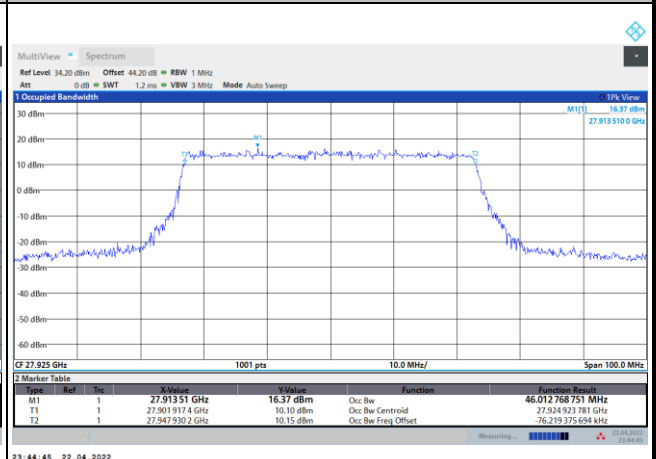
Lowest Channel / 50MHz / 16QAM



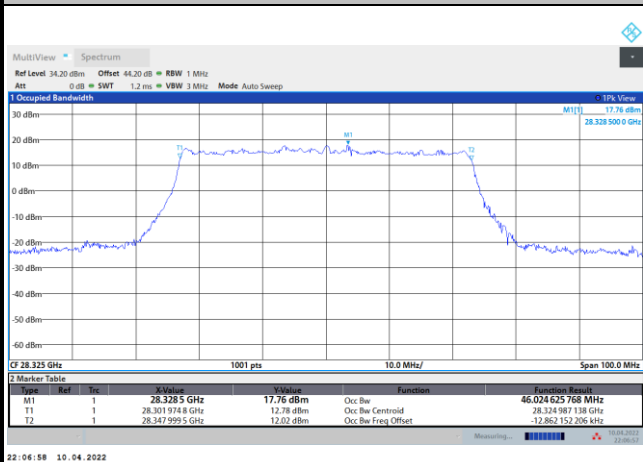
Middle Channel / 50MHz / QPSK



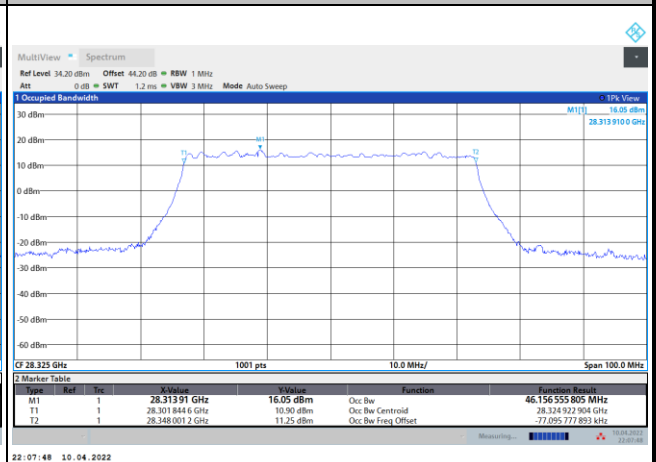
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

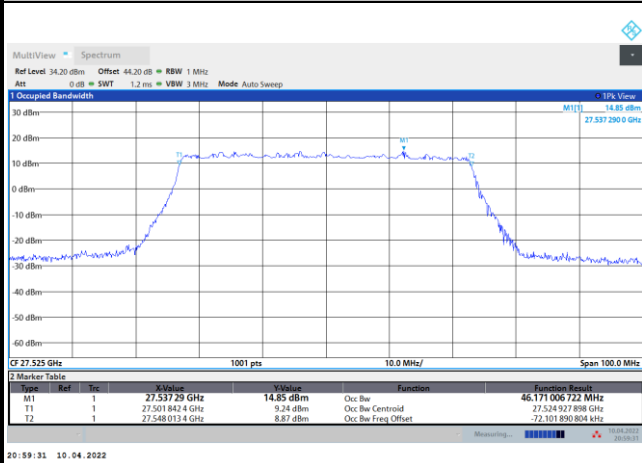




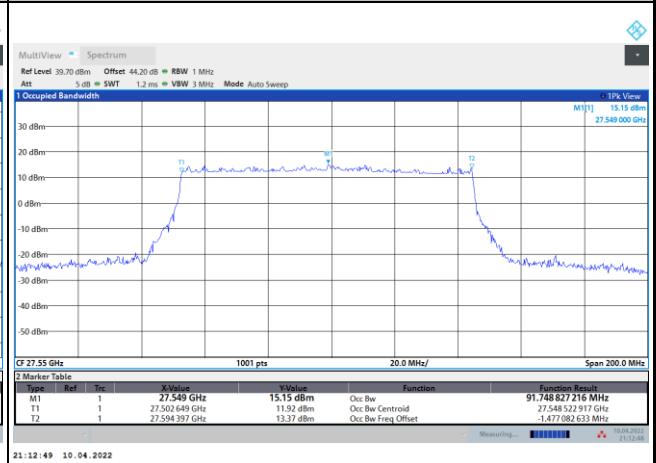
DFT-s-OFDM Module A

NR Band n261

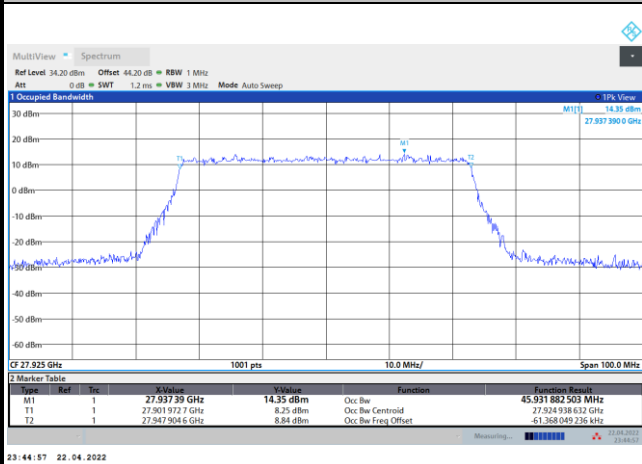
Lowest Channel / 50MHz / 64QAM



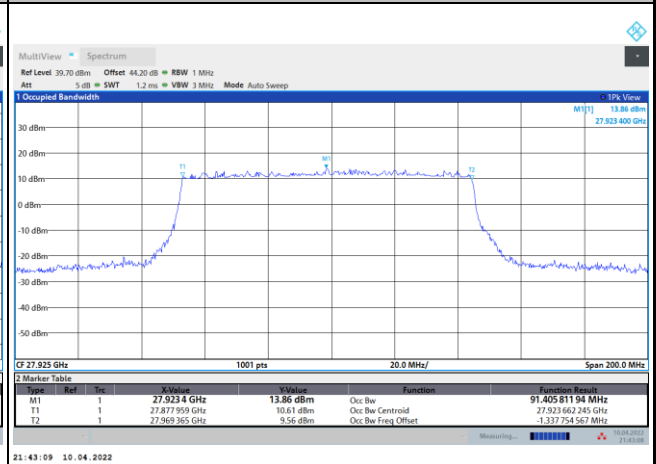
Lowest Channel / 100MHz / QPSK



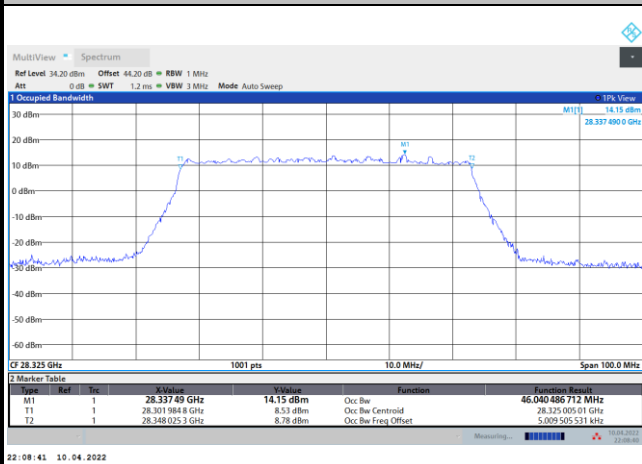
Middle Channel / 50MHz / 64QAM



Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

