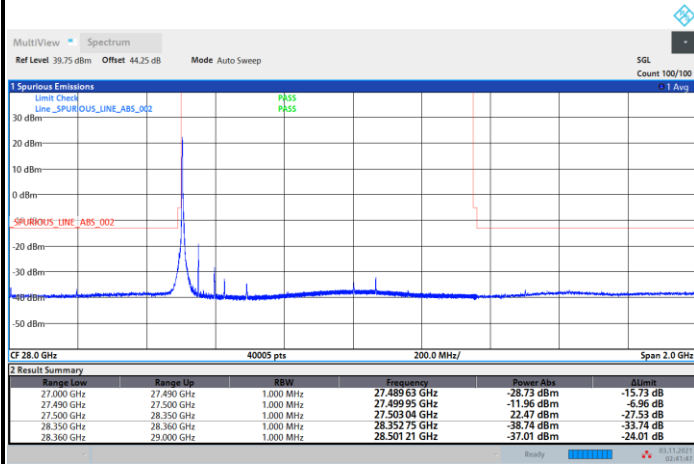




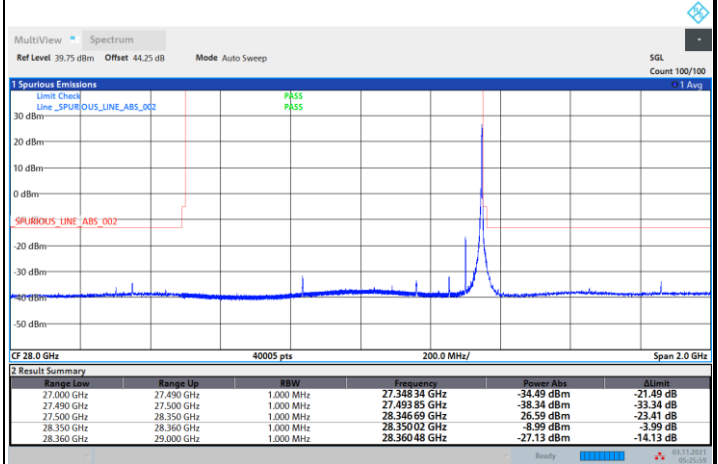
DFT-s-OFDM Module 0

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / 1 RB

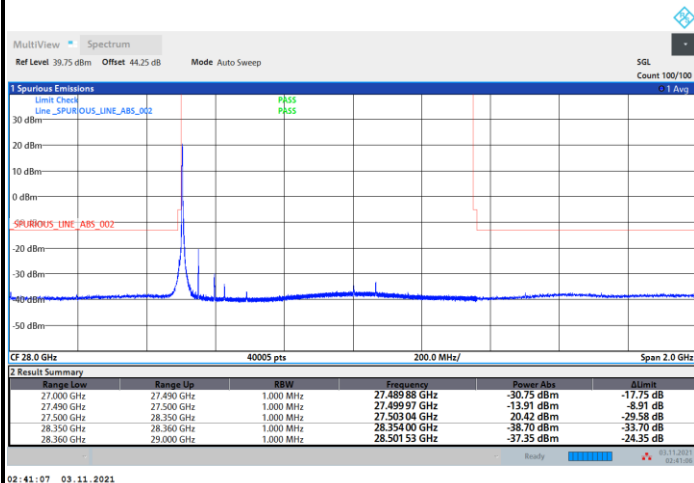


Highest Band Edge / 1 RB

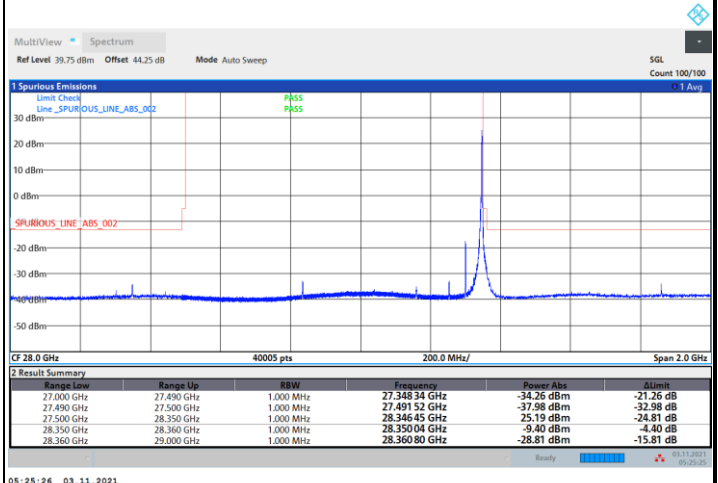


NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



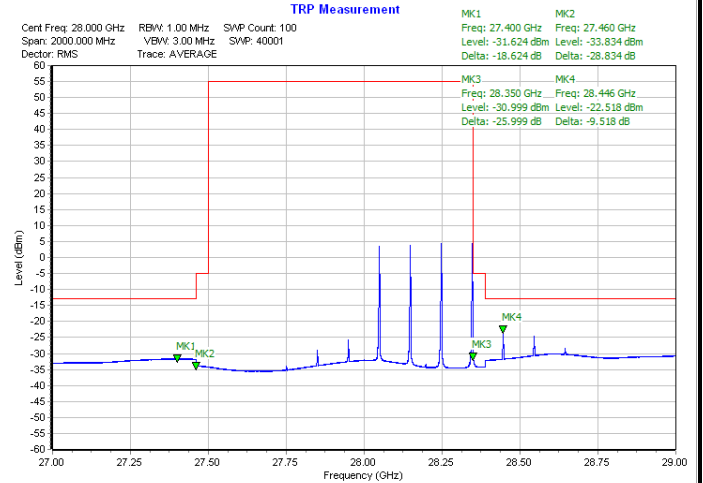
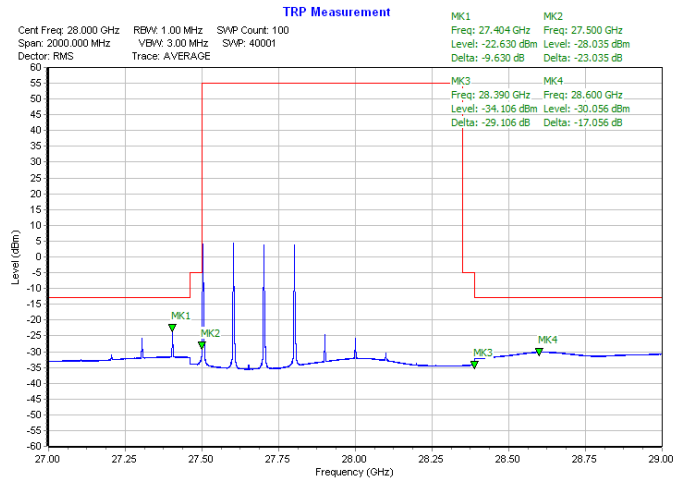


DFT-s-OFDM Module 0

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / 1 RB

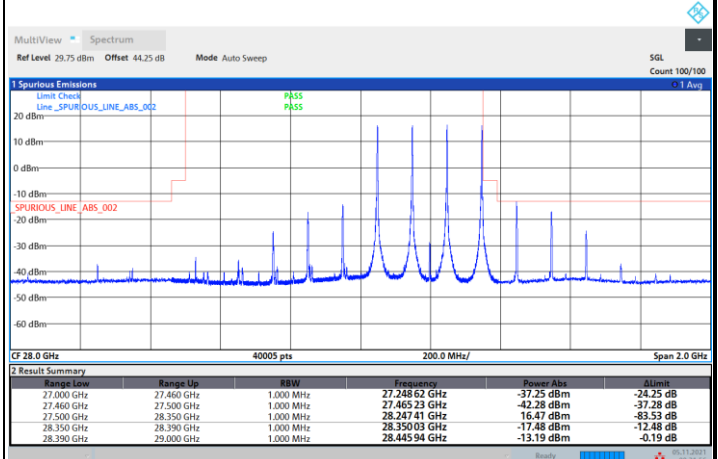
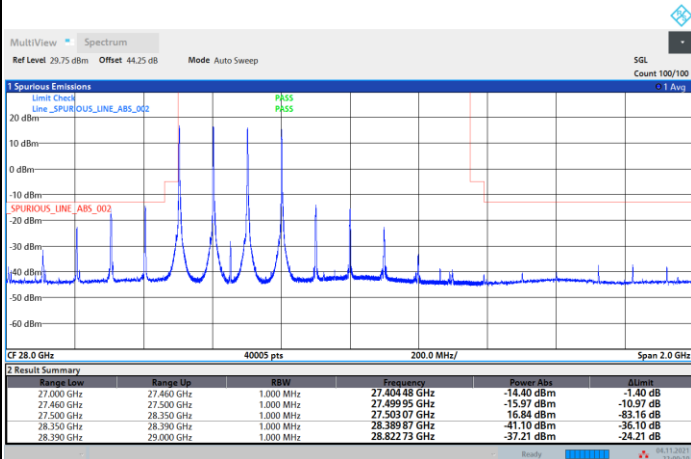
Highest Band Edge / 1 RB



NR Band n261 / 400MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

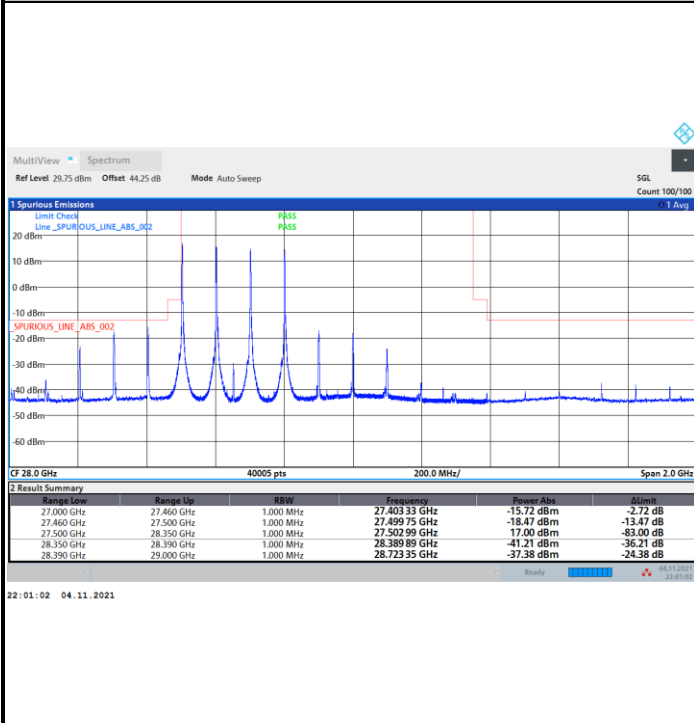




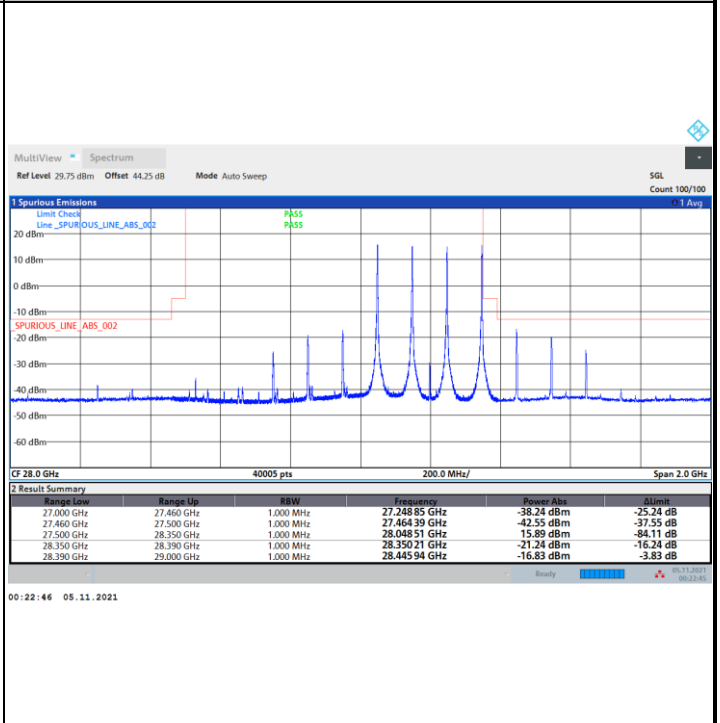
DFT-s-OFDM Module 0

NR Band n261 / 400MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

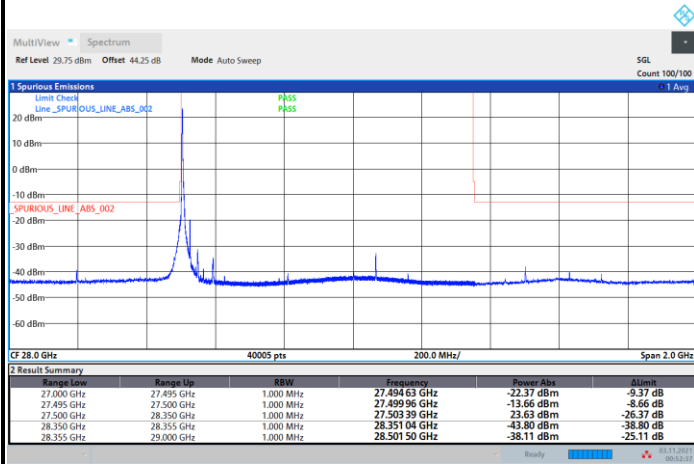




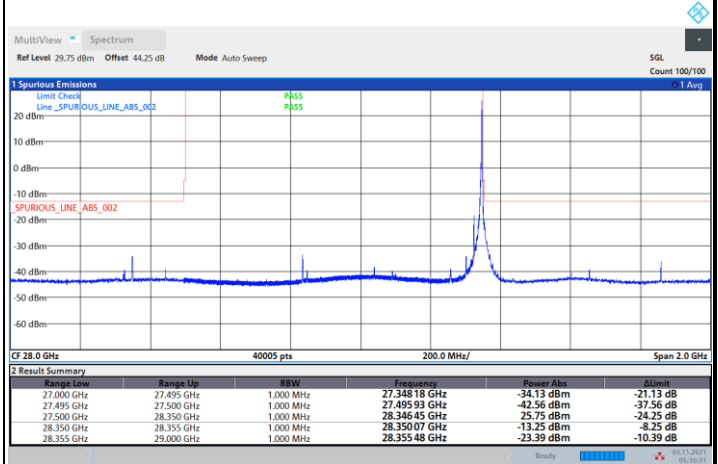
CP-OFDM Module 0

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB

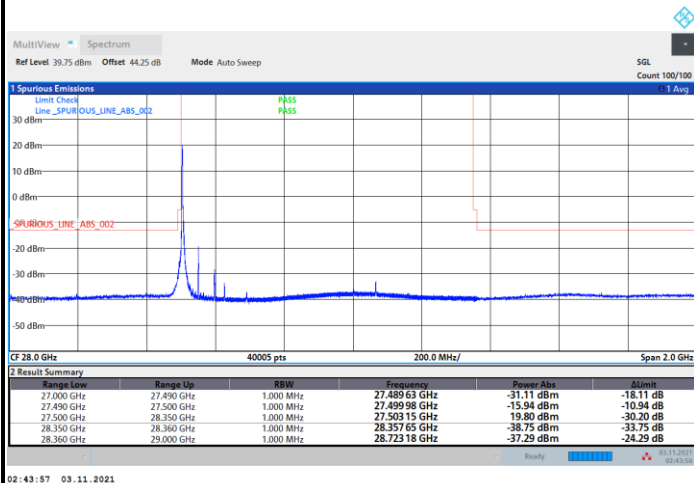


Highest Band Edge / 1 RB

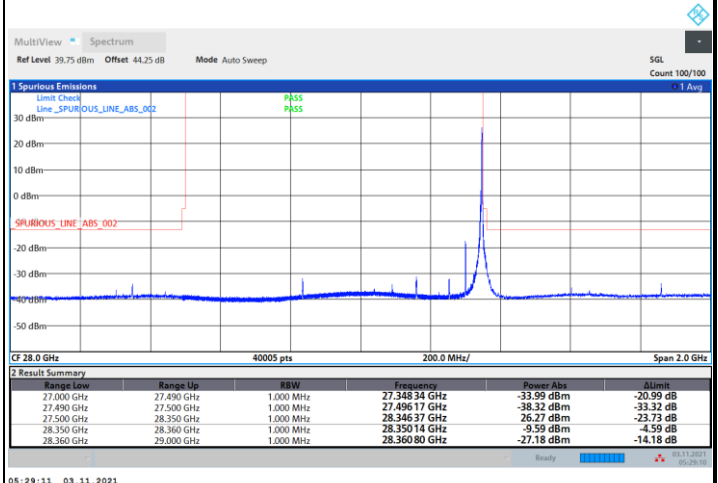


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



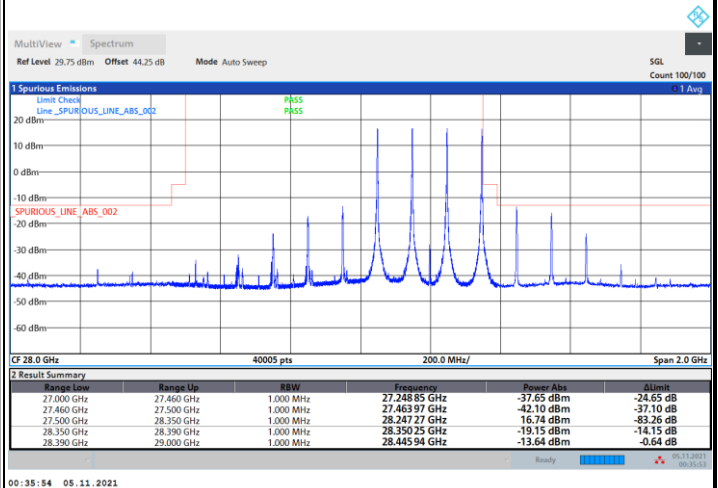
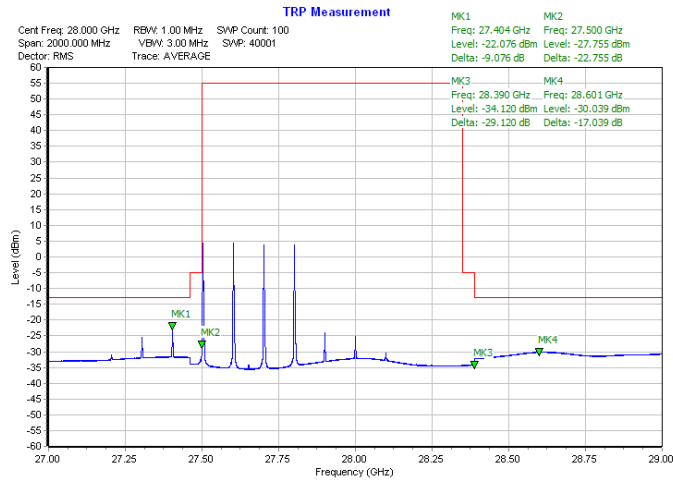


CP-OFDM Module 0

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

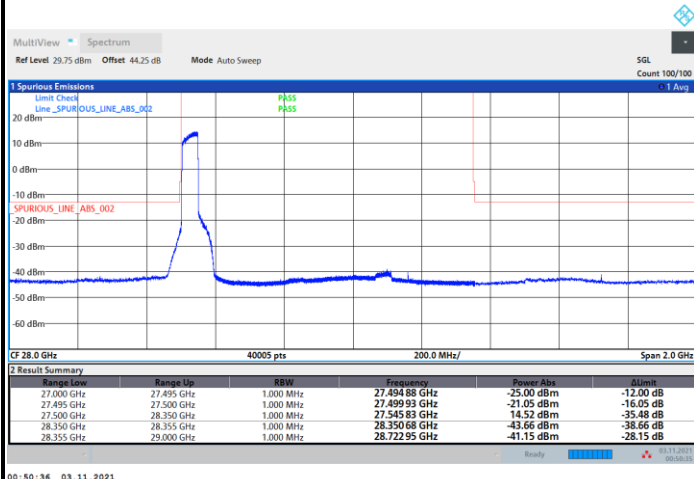




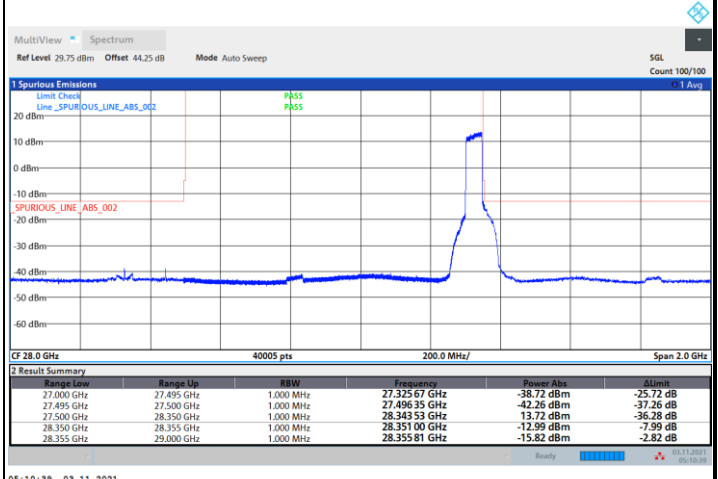
DFT-s-OFDM Module 0

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB

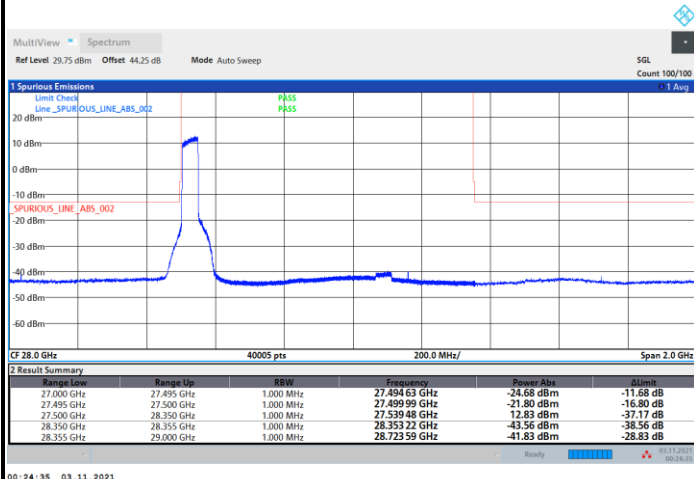


Highest Band Edge / Full RB

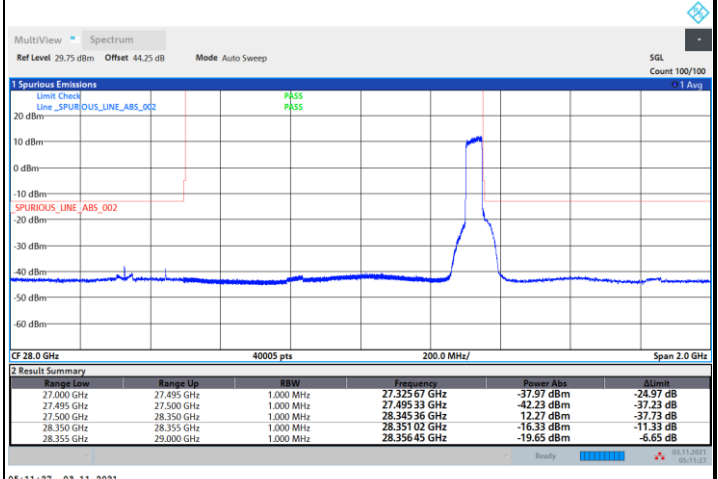


NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

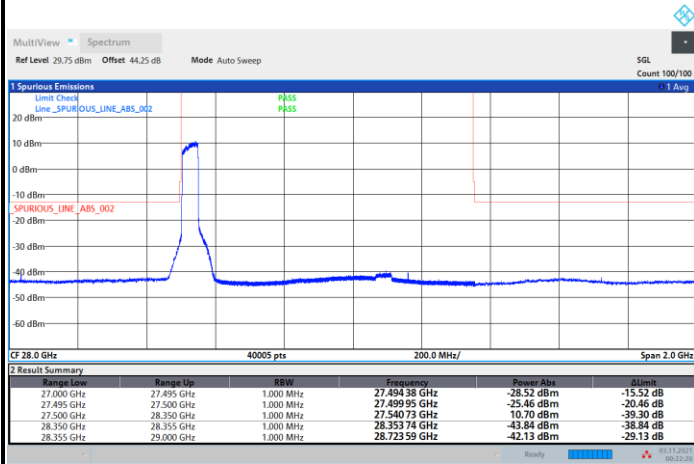




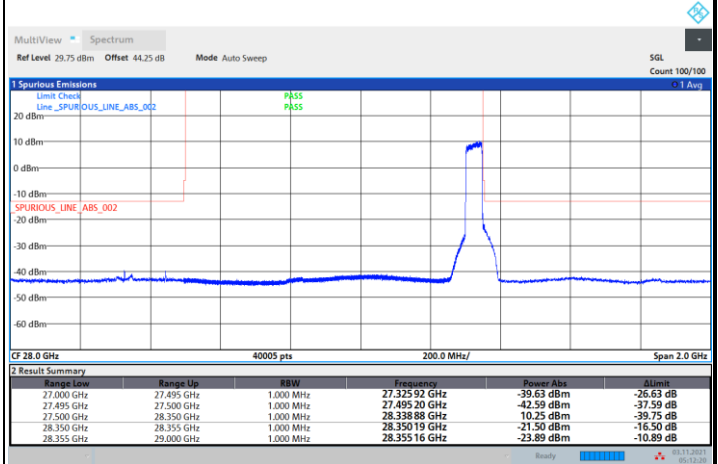
DFT-s-OFDM Module 0

NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / Full RB

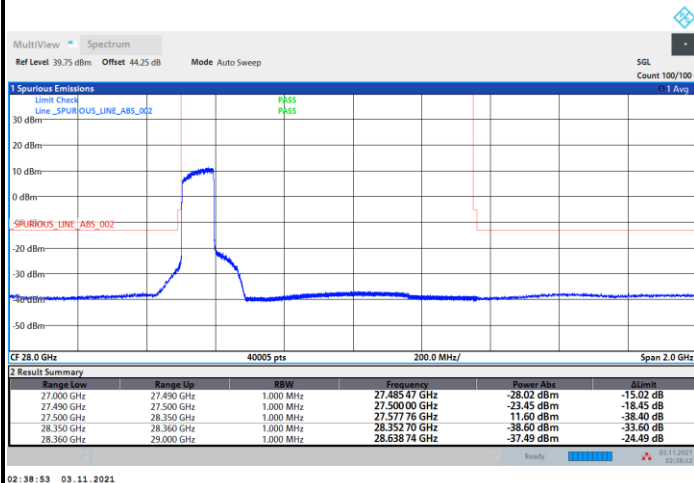


Highest Band Edge / Full RB

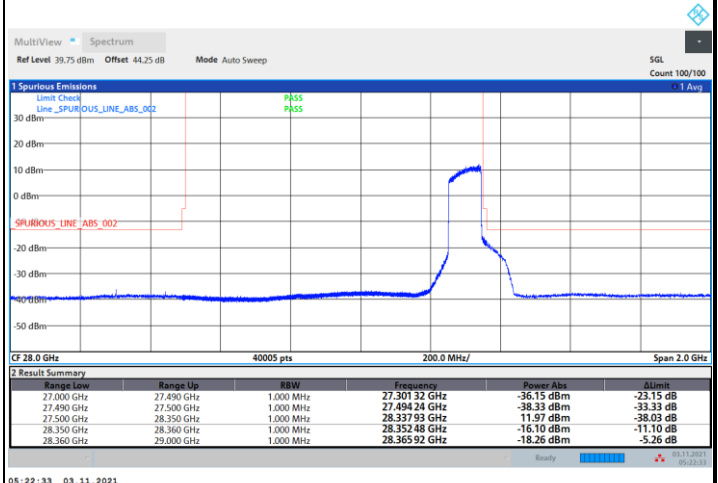


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

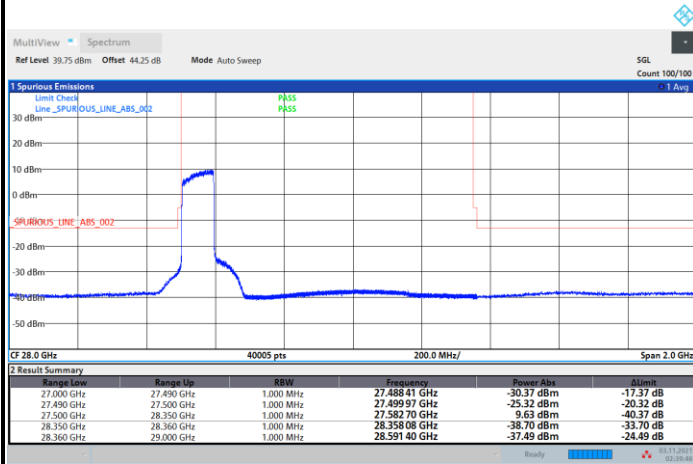




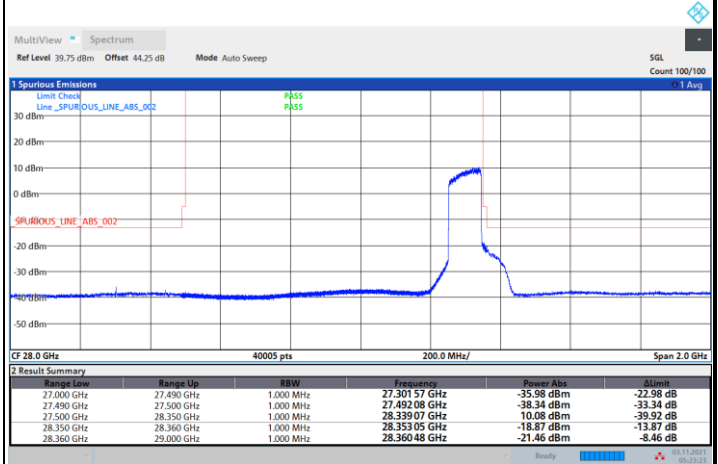
DFT-s-OFDM Module 0

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / Full RB

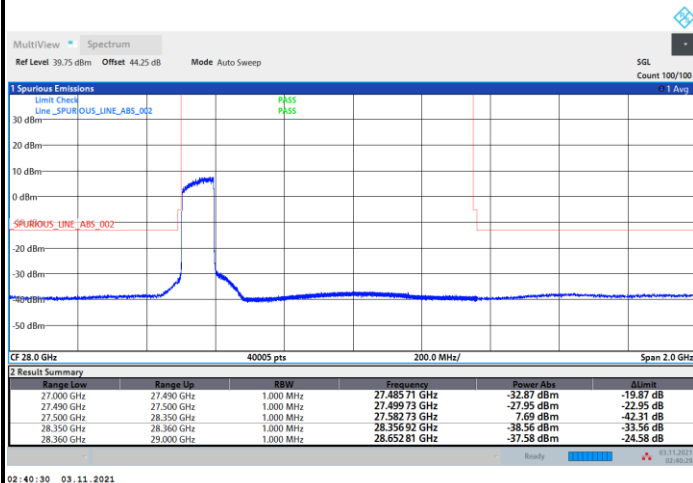


Highest Band Edge / Full RB

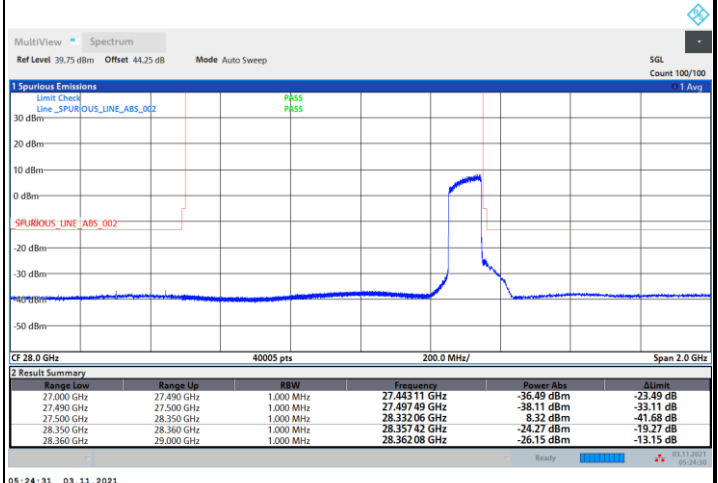


NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

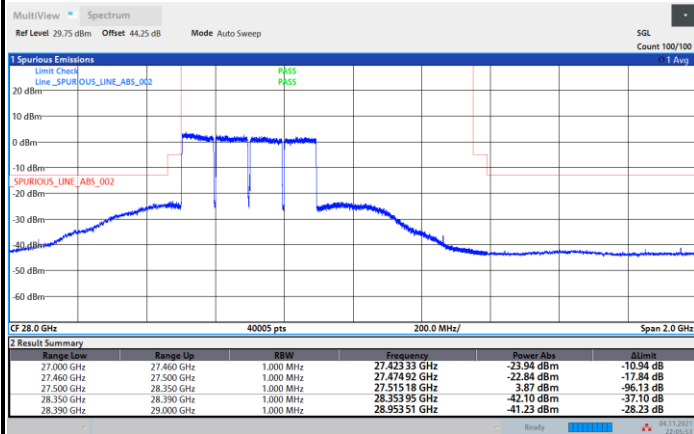




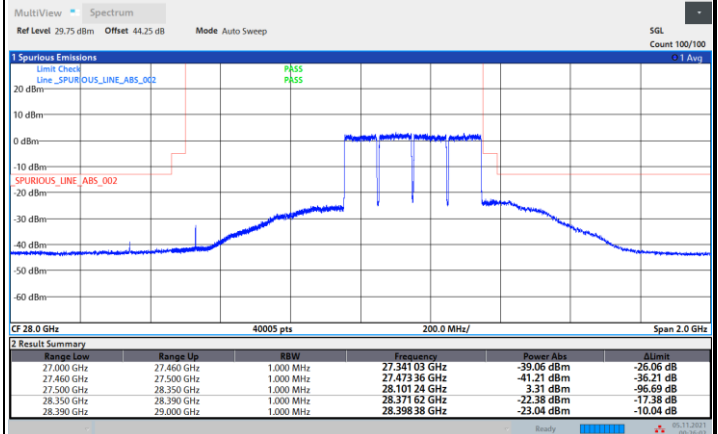
DFT-s-OFDM Module 0

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / Full RB

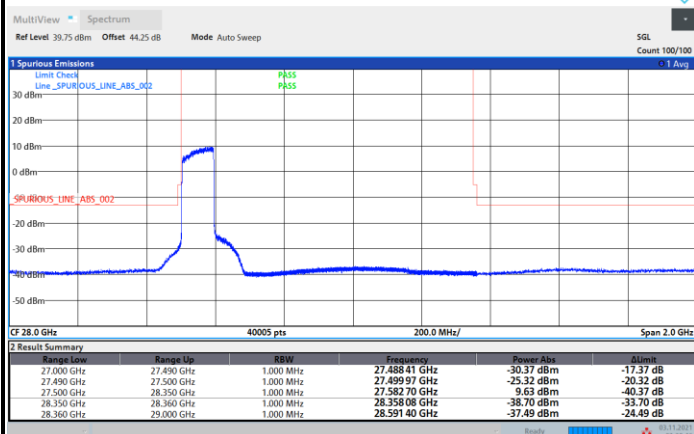


Highest Band Edge / Full RB

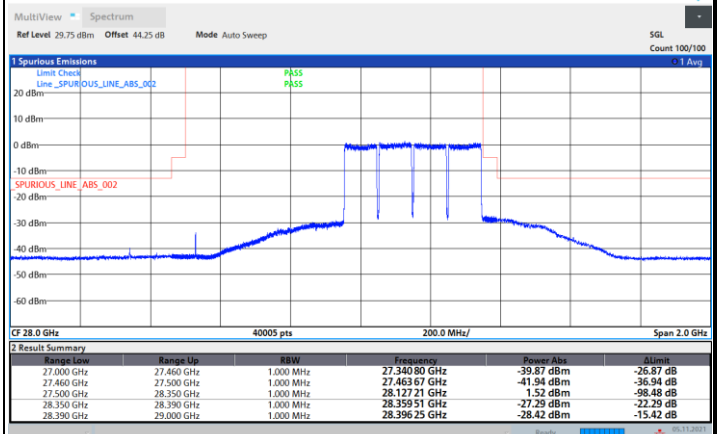


NR Band n261 / 400MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



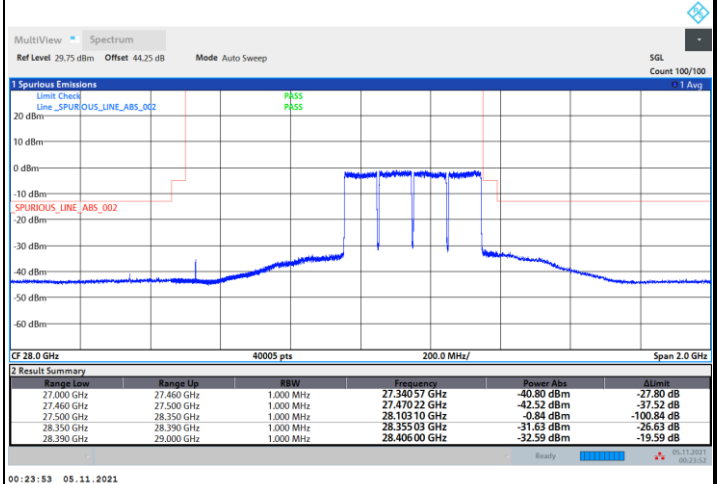
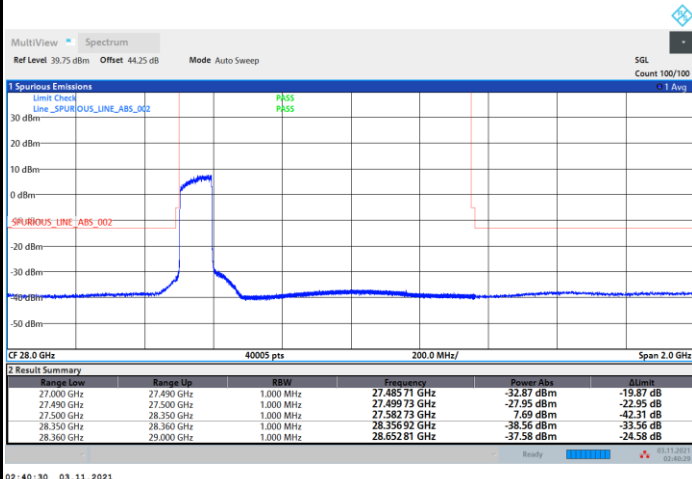


DFT-s-OFDM Module 0

NR Band n261 / 400MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

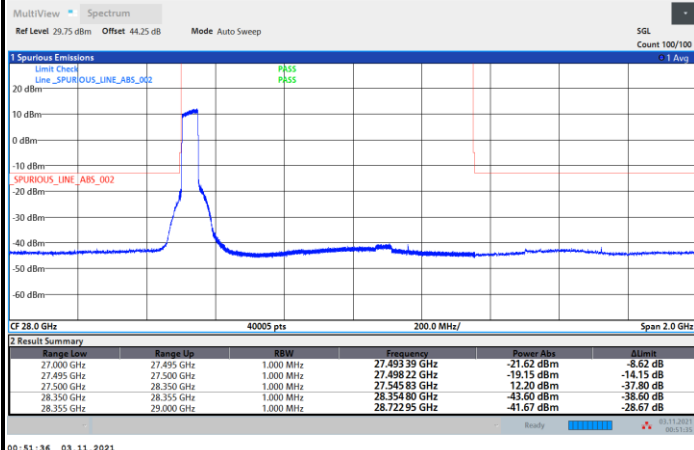




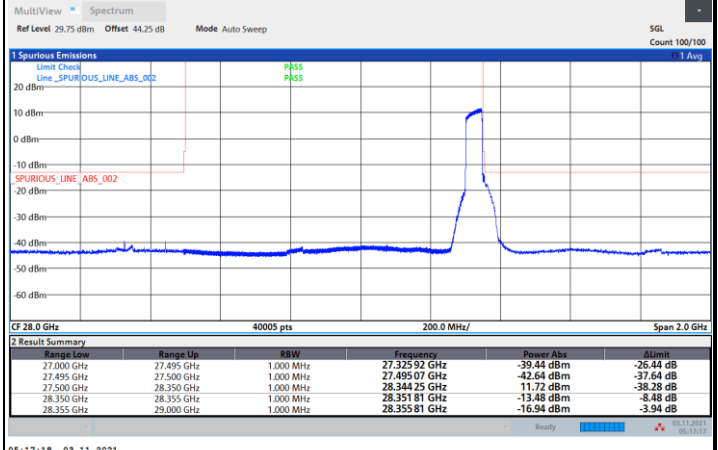
CP-OFDM Module 0

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB

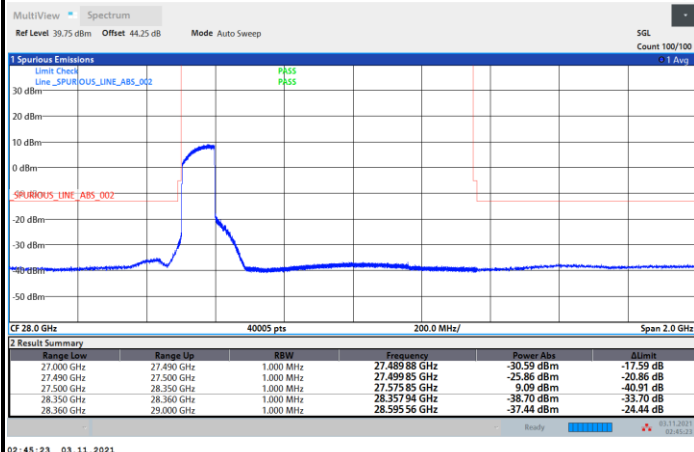


Highest Band Edge / Full RB

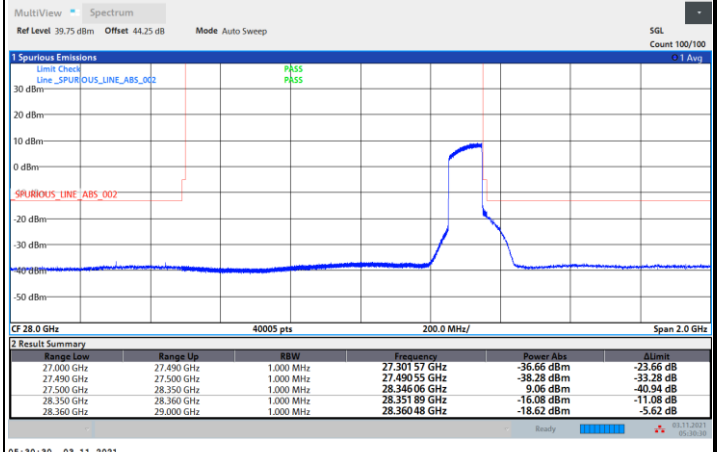


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



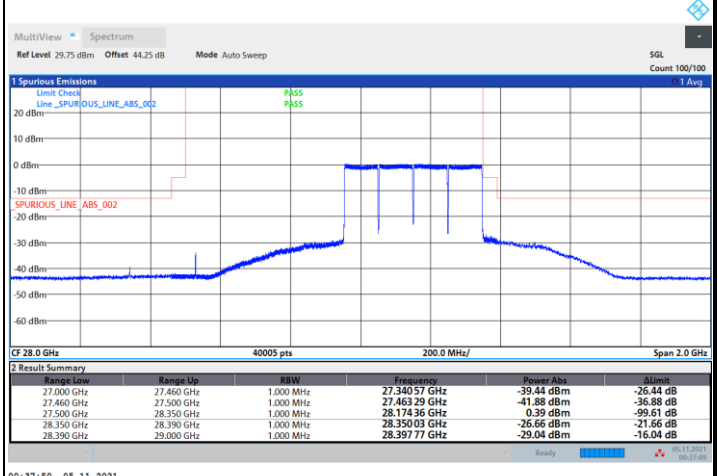
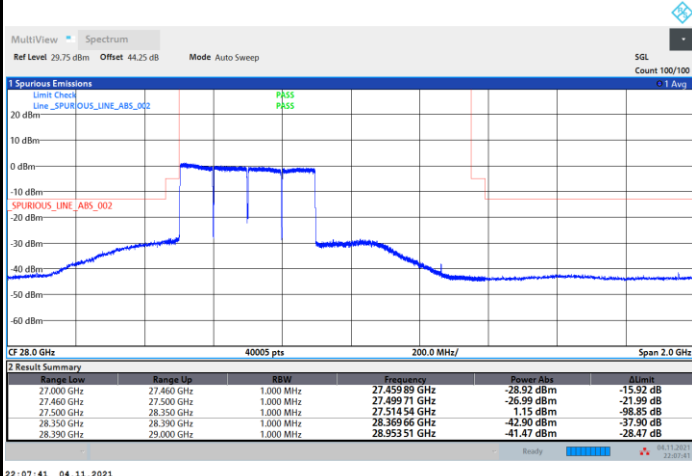


CP-OFDM Module 0

NR Band n261 / 400MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

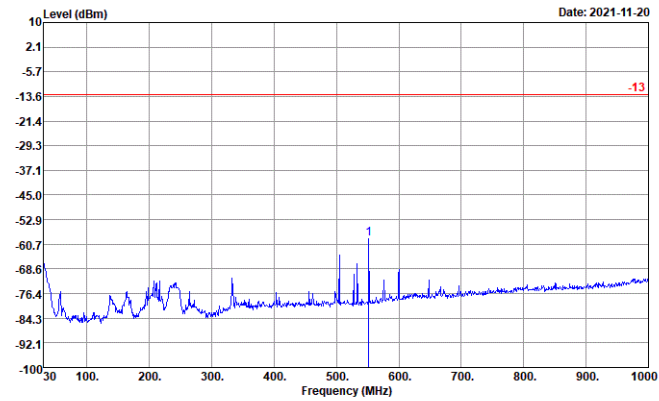




Spurious Emission

NR Band n261 (30MHz-1GHz)

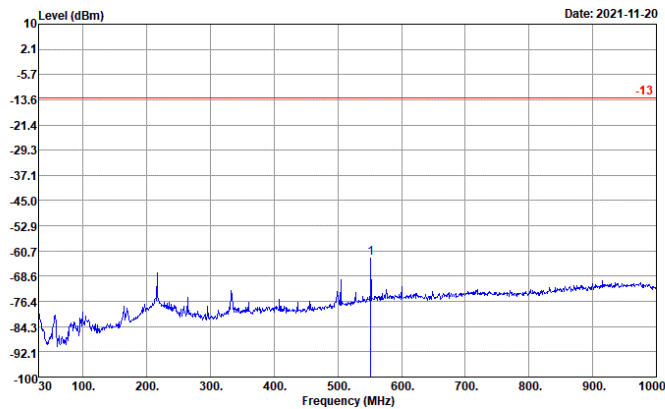
Horizontal



Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 HORIZONTAL
Project : IO2008
: n261 MO

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	551.86	-58.97	-45.97	-13.00	-59.21

Vertical



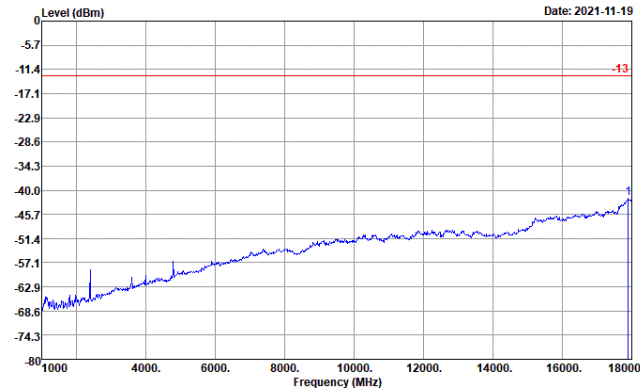
Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 VERTICAL
Project : IO2008
: n261 MO

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	551.86	-62.99	-49.99	-13.00	-67.02



NR Band n261 (1GHz-18GHz)

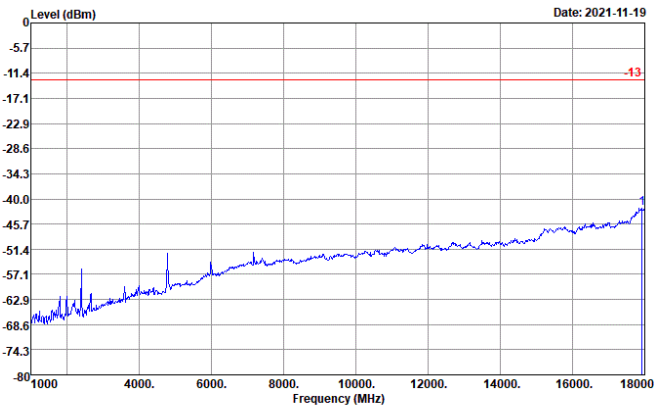
Horizontal



Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 HORIZONTAL
Project : IO2008
: n261 MO

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	17898.00	-41.97	-28.97	-13.00	-75.32

Vertical



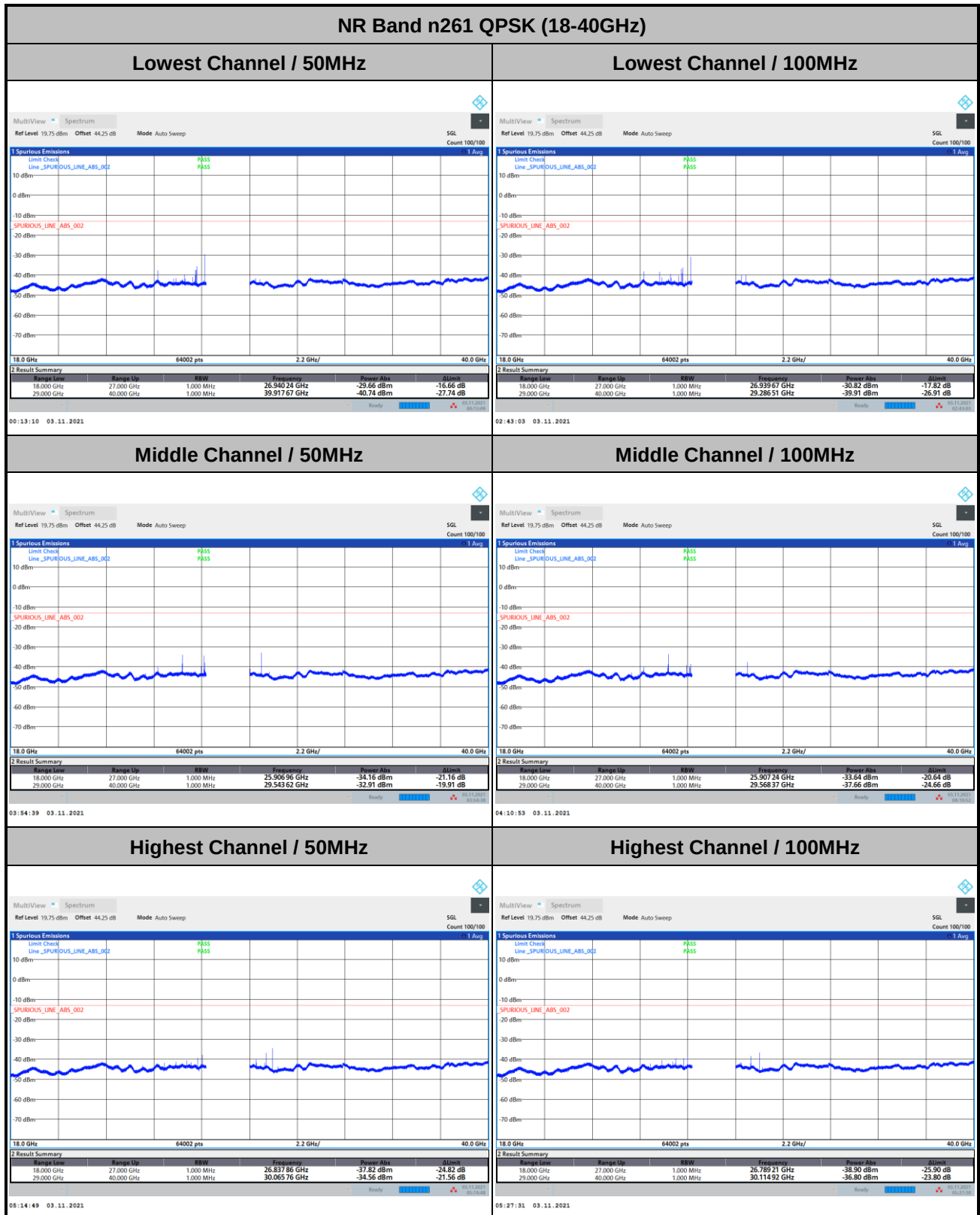
Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 VERTICAL
Project : IO2008
: n261 MO

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	17932.00	-42.09	-29.09	-13.00	-75.38



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

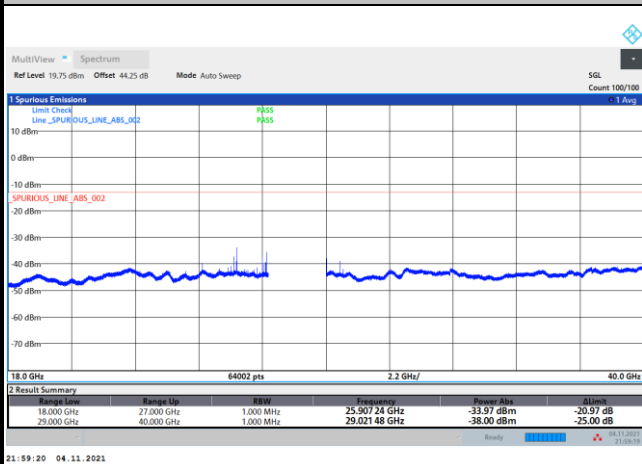
DFT-s-OFDM Module 0



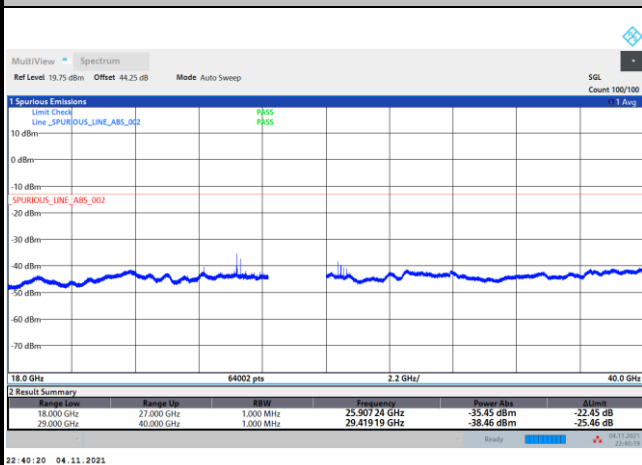


NR Band n261 QPSK (18-40GHz)

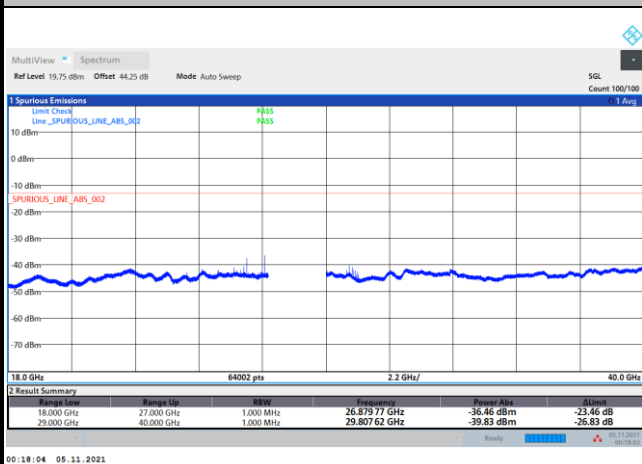
Lowest Channel / 400MHz



Middle Channel / 400MHz



Highest Channel / 400MHz



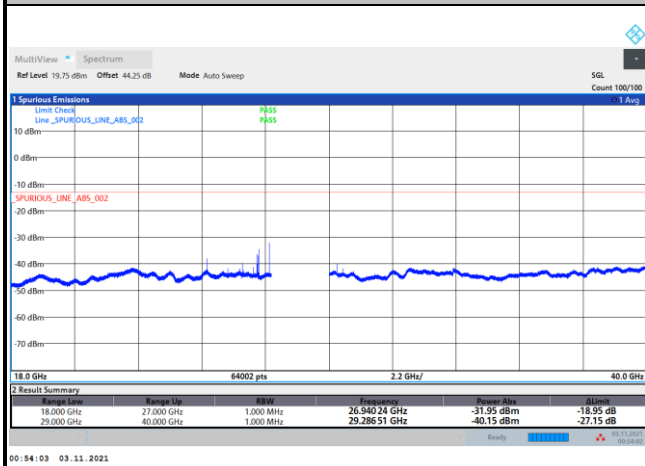
Remark: In band and out of band frequencies that has reported in previous results are omitted.



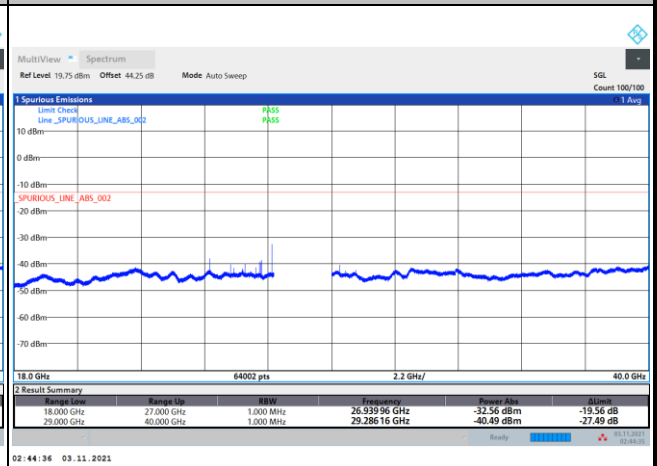
CP-OFDM Module 0

NR Band n261 QPSK (18-40GHz)

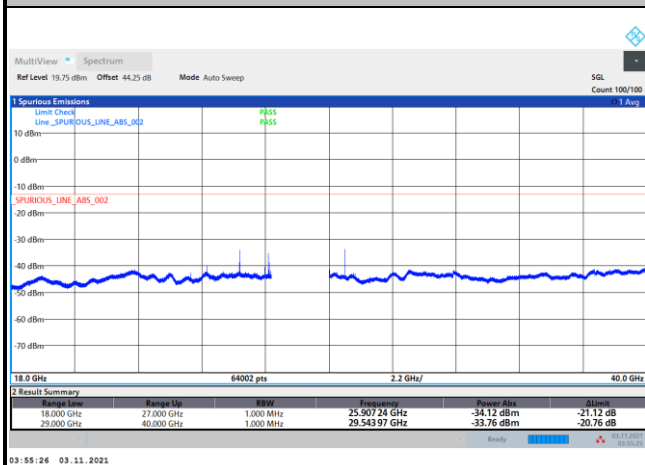
Lowest Channel / 50MHz



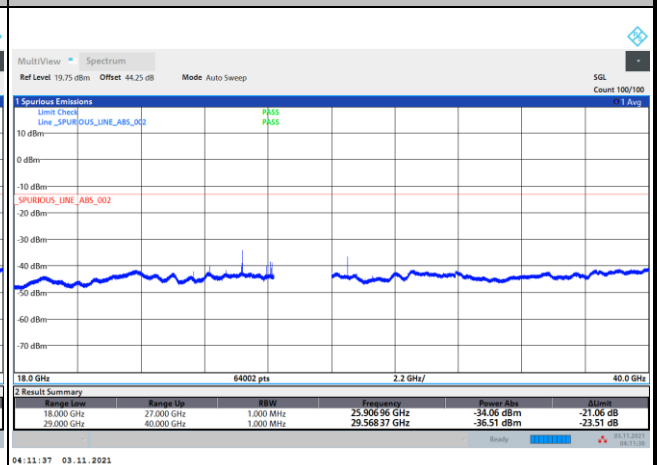
Lowest Channel / 100MHz



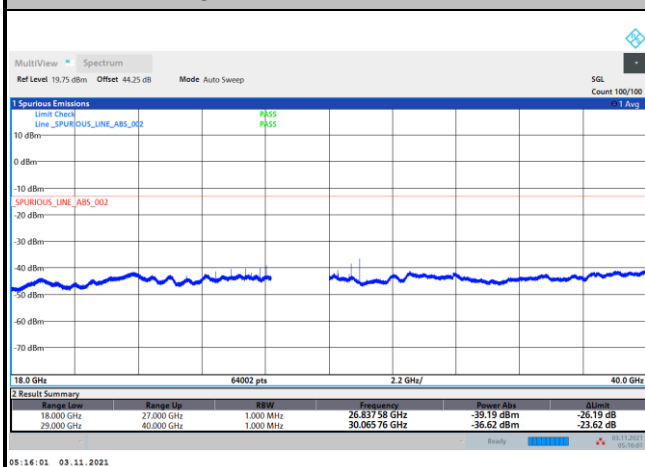
Middle Channel / 50MHz



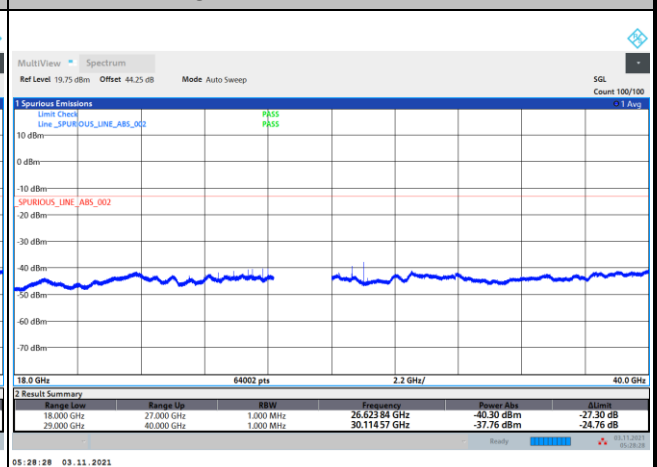
Middle Channel / 100MHz



Highest Channel / 50MHz



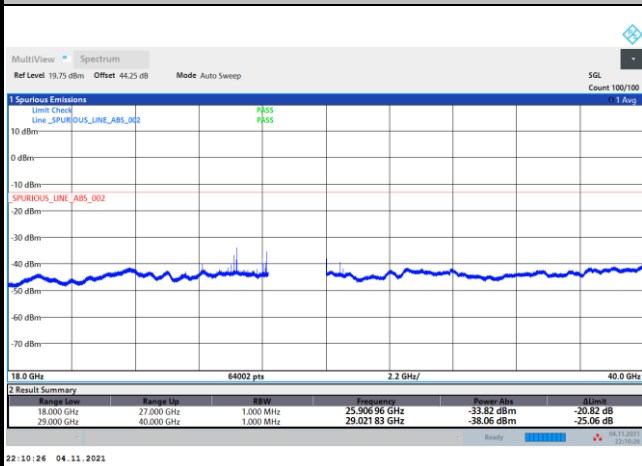
Highest Channel / 100MHz



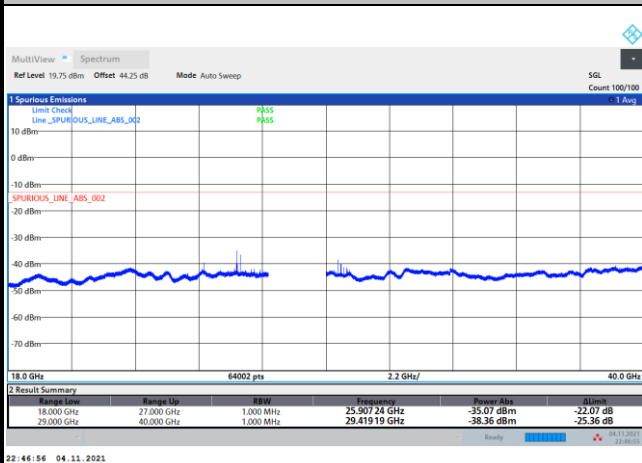


NR Band n261 QPSK (18-40GHz)

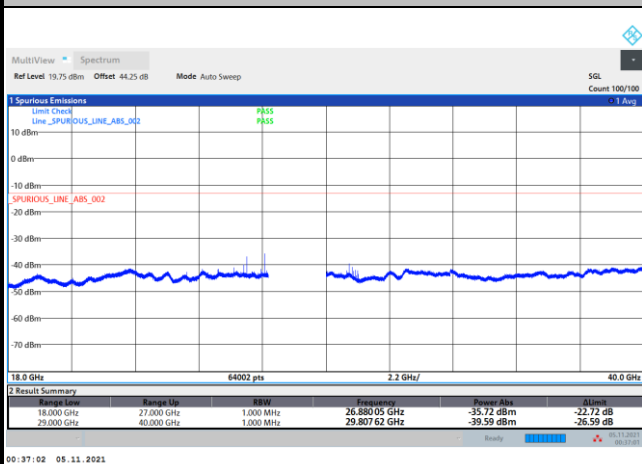
Lowest Channel / 400MHz



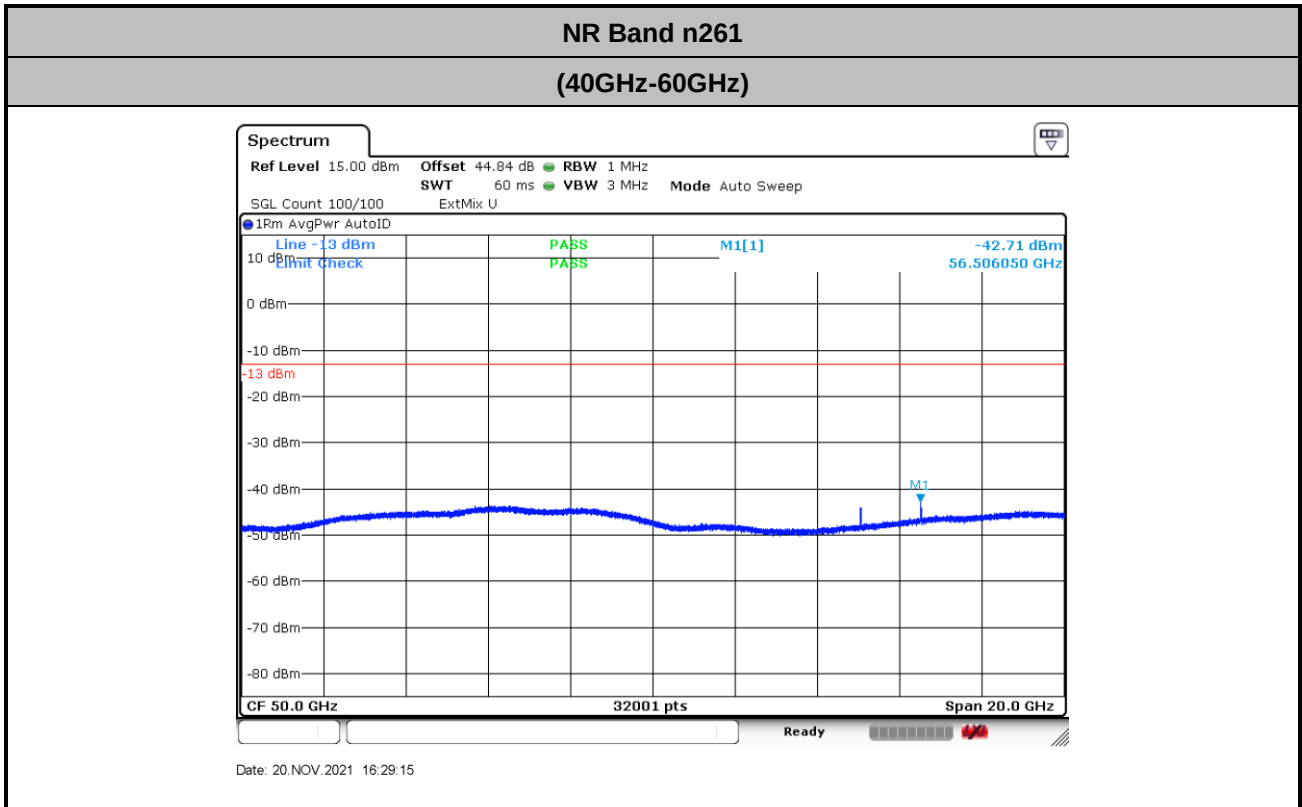
Middle Channel / 400MHz



Highest Channel / 400MHz

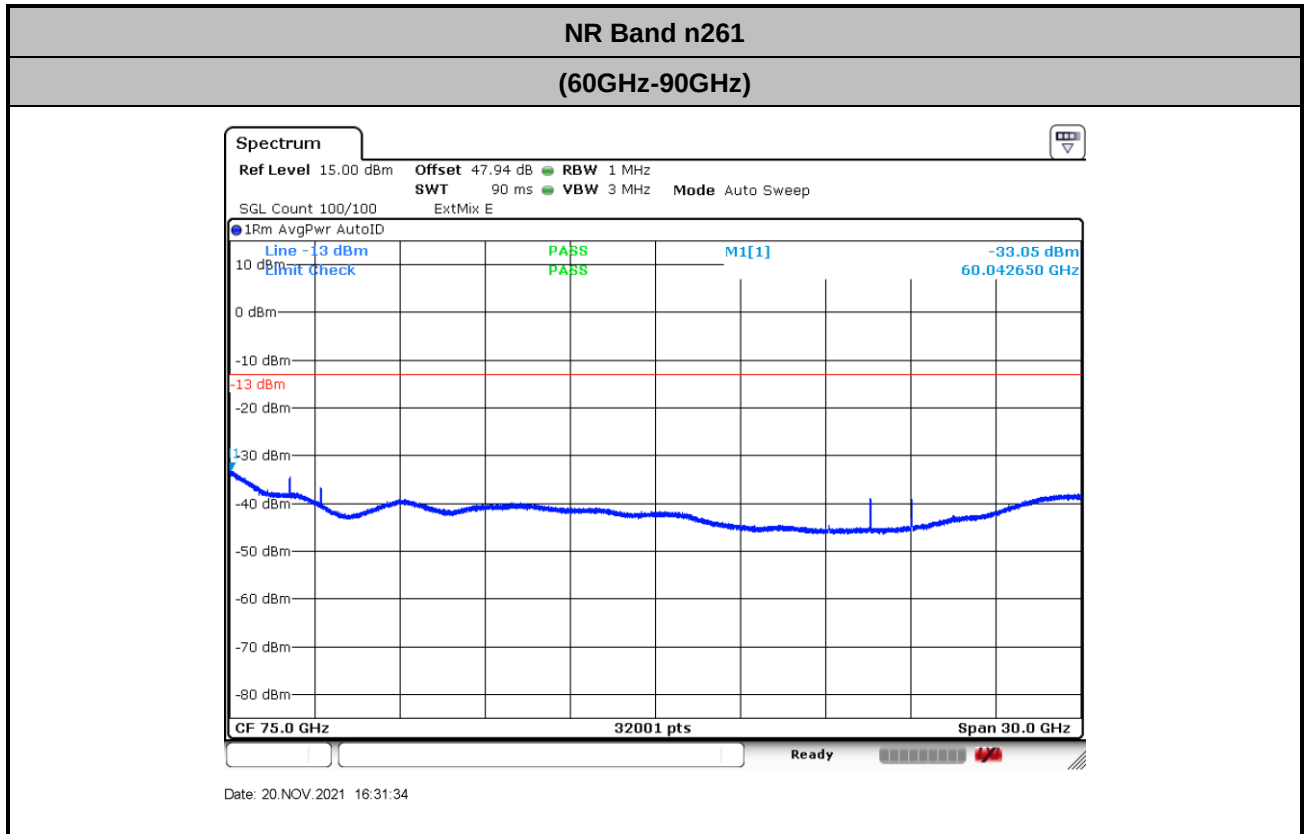


Remark: In band and out of band frequencies that has reported in previous results are omitted.

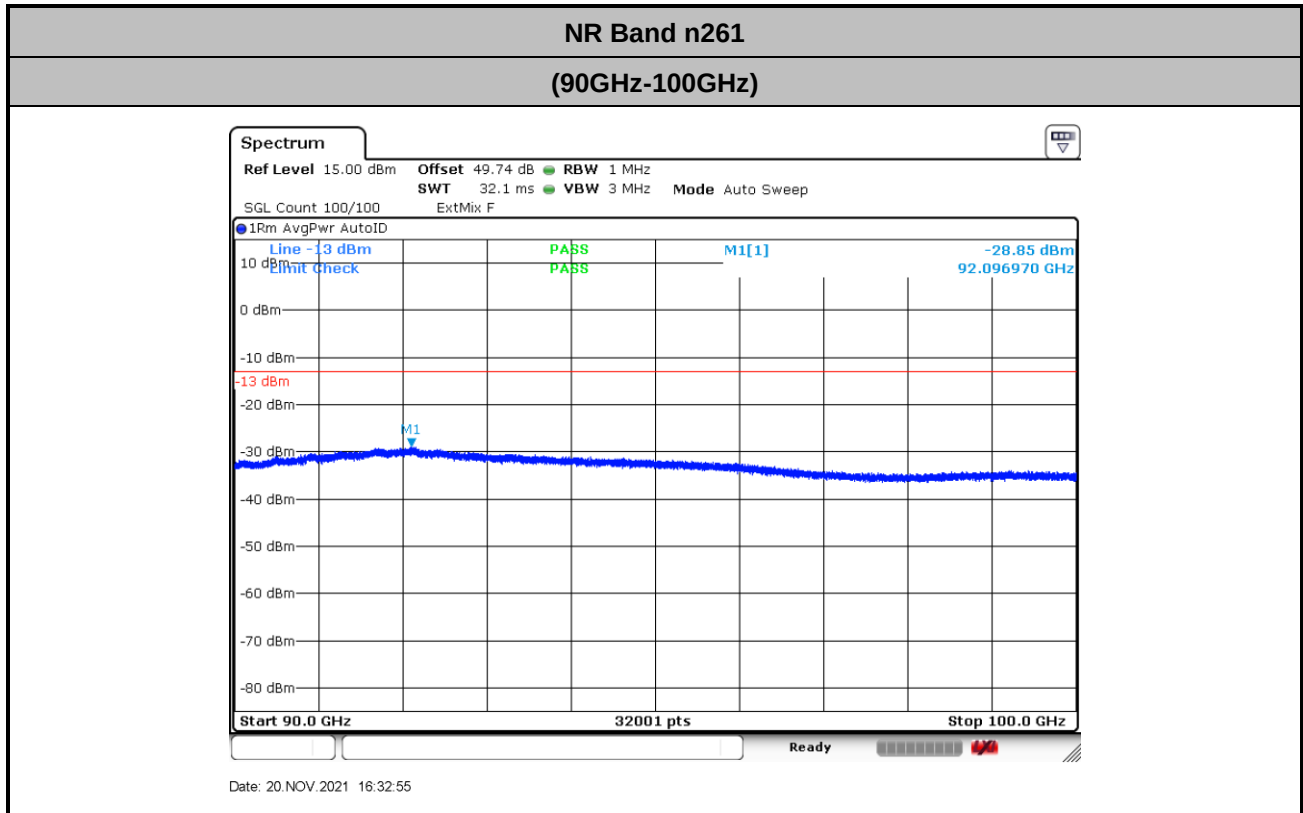


Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8

= 42.3 + 0.34 + 107 + 20log(1) – 104.8 = 44.84 (dB)



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 45.4 + 0.34 + 107 + 20\log(1) - 104.8 = 47.94 \text{ (dB)} \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 47.2 + 0.34 + 107 + 20\log(1) - 104.8 = 49.74 \text{ (dB)} \end{aligned}$$

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	27.9251608	-160.800	5.758	Pass
40	Normal Voltage	27.9251109	-110.900	3.971	
30	Normal Voltage	27.9250709	-70.900	2.539	
20(Ref.)	Normal Voltage	27.925	0.000	0.000	
10	Normal Voltage	27.924981	19.000	0.680	
0	Normal Voltage	27.9249411	58.900	2.109	
-10	Normal Voltage	27.9249081	91.900	3.291	
-20	Normal Voltage	27.9248881	111.900	4.007	
-30	Normal Voltage	27.9248382	161.800	5.794	
20	Maximum Voltage	27.92502	-20.000	0.716	
20	Normal Voltage	27.9250006	-0.600	0.021	
20	Battery End Point	27.92498	20.000	0.716	

Note: The frequency fundamental emissions stay within the operation band.

NR Band n261 Module 1 AG0

Occupied Bandwidth

Mode	DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz)					
BW	50MHz			100MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.79	46.01	46.00	91.33	91.24	91.23
Middle CH	45.76	45.93	45.79	91.35	91.41	91.27
Highest CH	46.01	45.92	45.79	91.37	91.05	91.42

Mode	DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz)					
BW	400MHz					
Mod.	QPSK	16QAM	64QAM			
Lowest CH	388.08	386.59	387.27			
Middle CH	386.79	386.56	385.85			
Highest CH	387.86	386.93	387.26			

Mode	CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz)	
BW	50MHz	100MHz
Mod.	QPSK	QPSK
Lowest CH	45.84	94.35
Middle CH	46.09	94.17
Highest CH	45.89	94.10

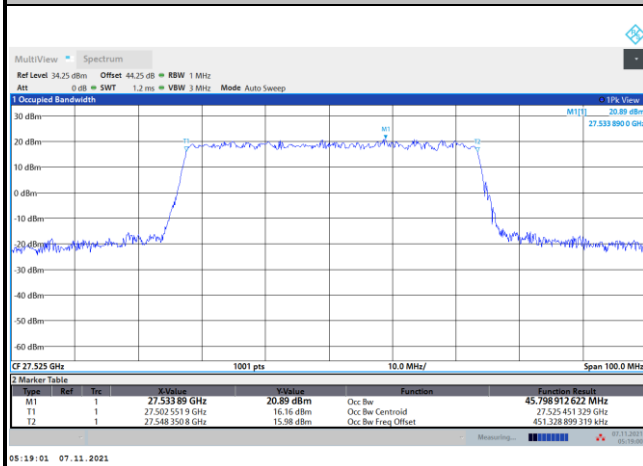
Mode	CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz)	
BW	400MHz	
Mod.	QPSK	
Lowest CH	390.36	
Middle CH	390.62	
Highest CH	390.20	



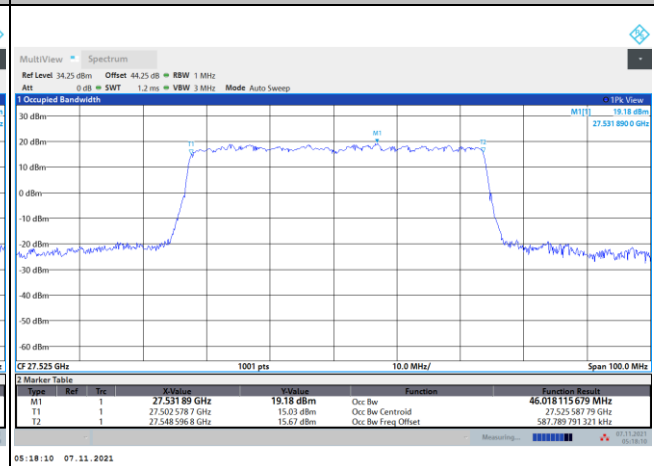
DFT-s-OFDM Module 1

NR Band n261

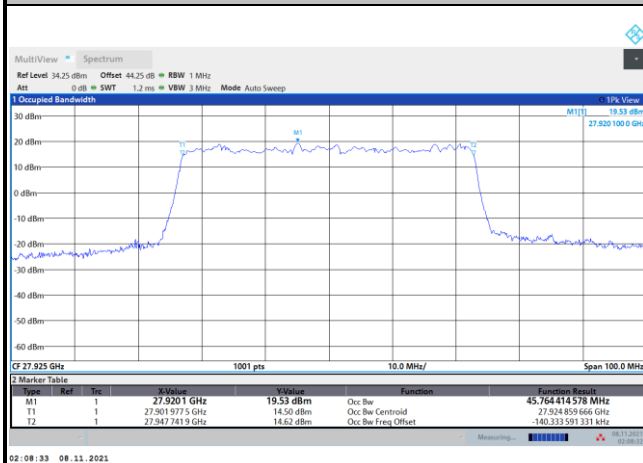
Lowest Channel / 50MHz / QPSK



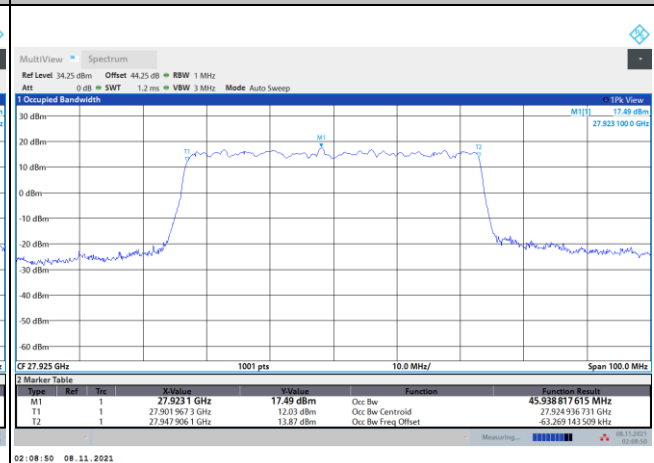
Lowest Channel / 50MHz / 16QAM



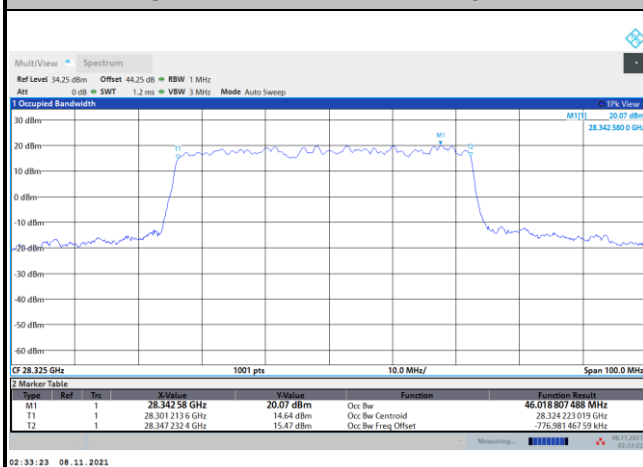
Middle Channel / 50MHz / QPSK



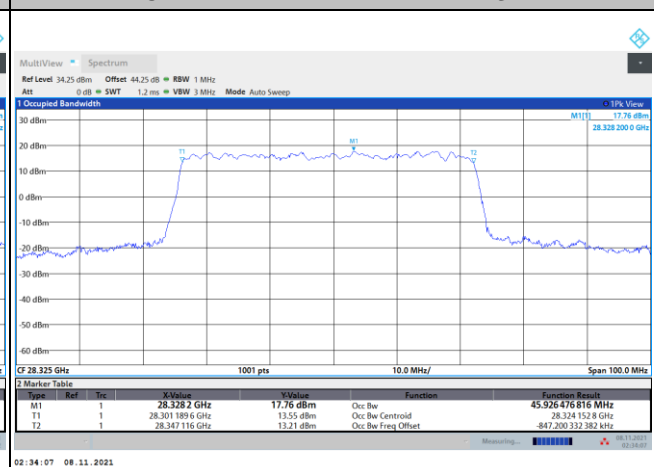
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

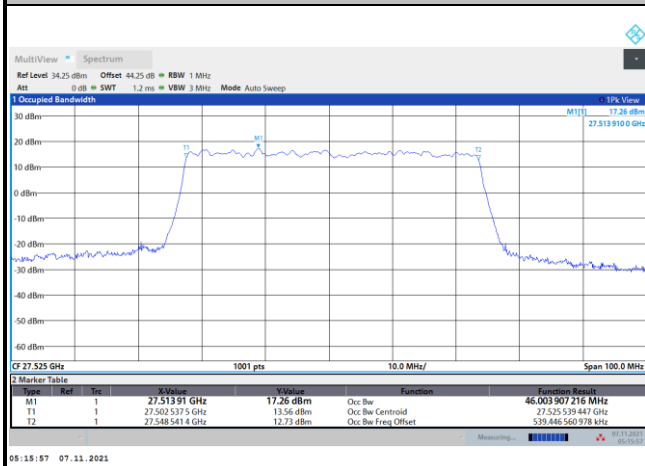




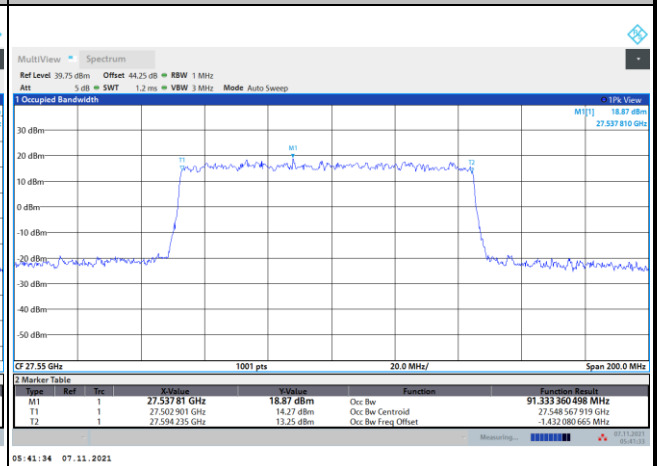
DFT-s-OFDM Module 1

NR Band n261

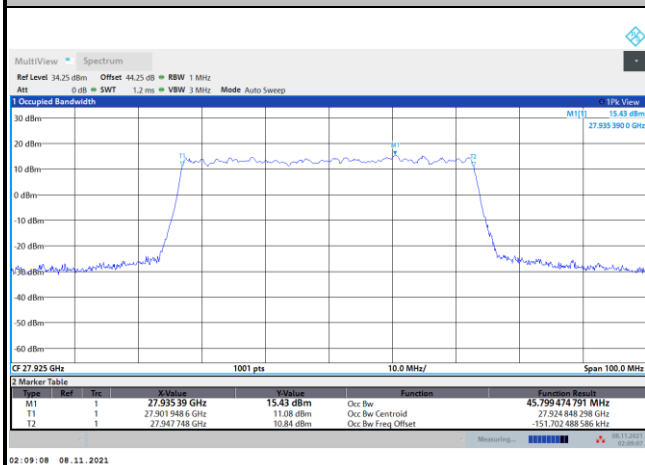
Lowest Channel / 50MHz / 64QAM



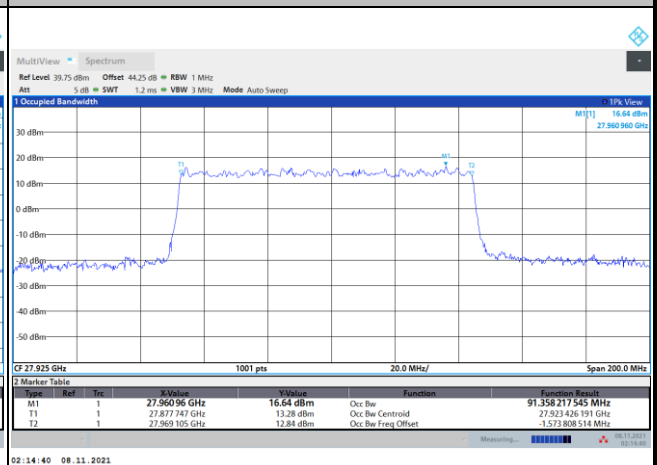
Lowest Channel / 100MHz / QPSK



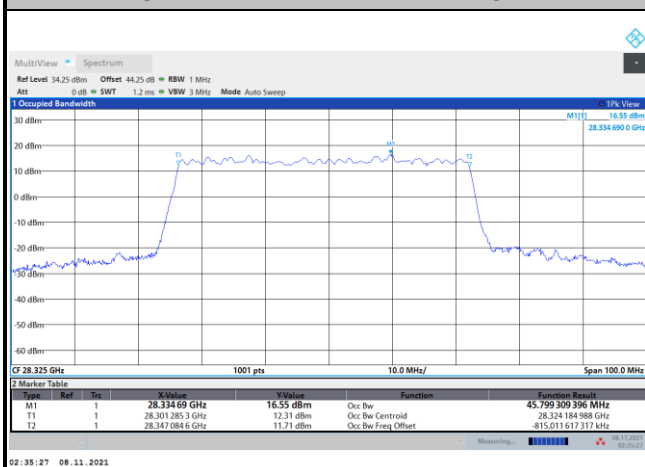
Middle Channel / 50MHz / 64QAM



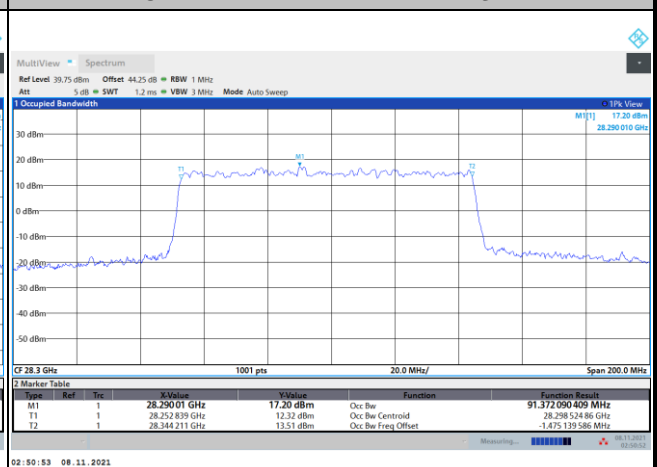
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

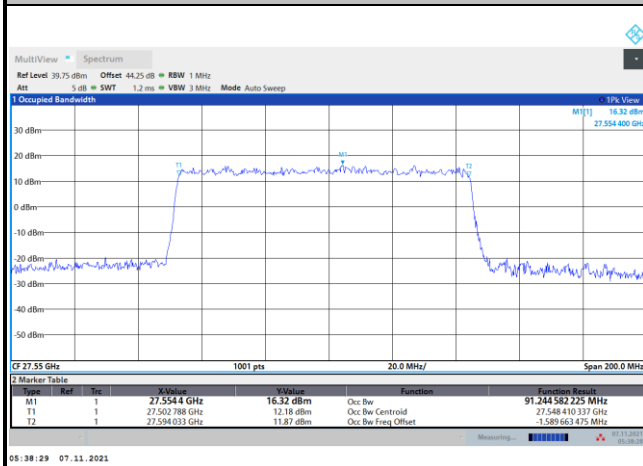




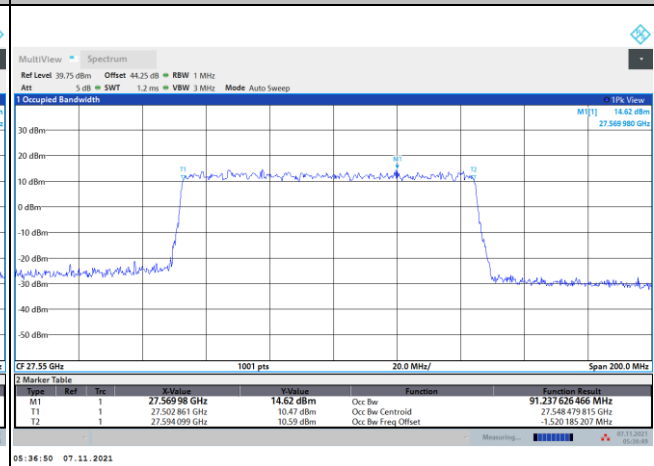
DFT-s-OFDM Module 1

NR Band n261

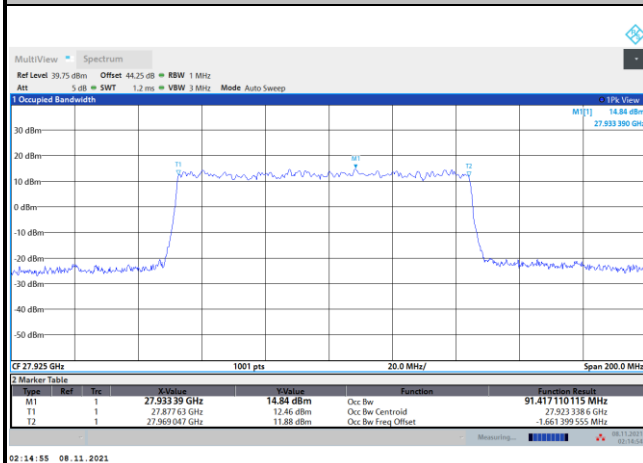
Lowest Channel / 100MHz / 16QAM



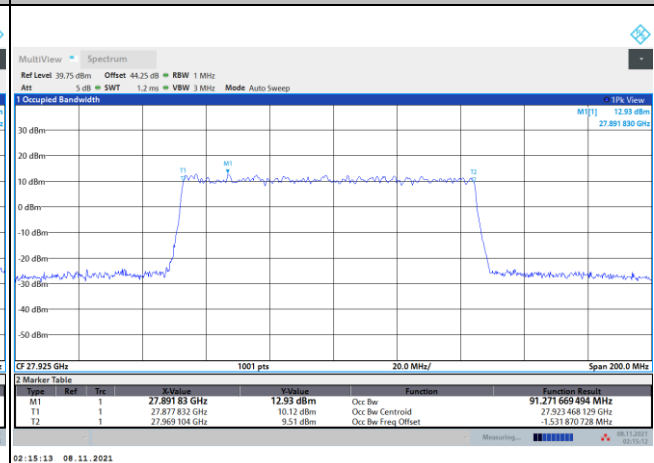
Lowest Channel / 100MHz / 64QAM



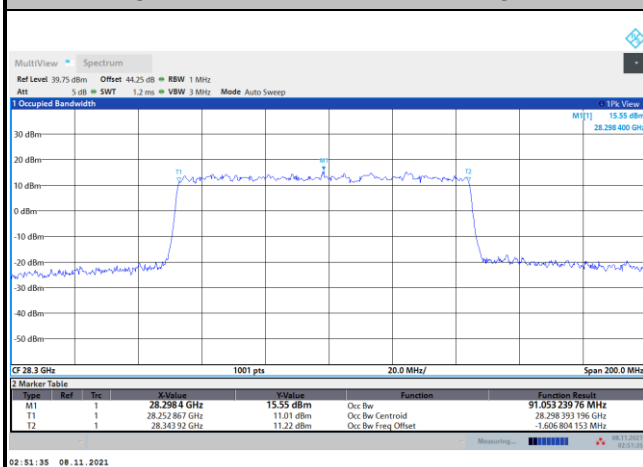
Middle Channel / 100MHz / 16QAM



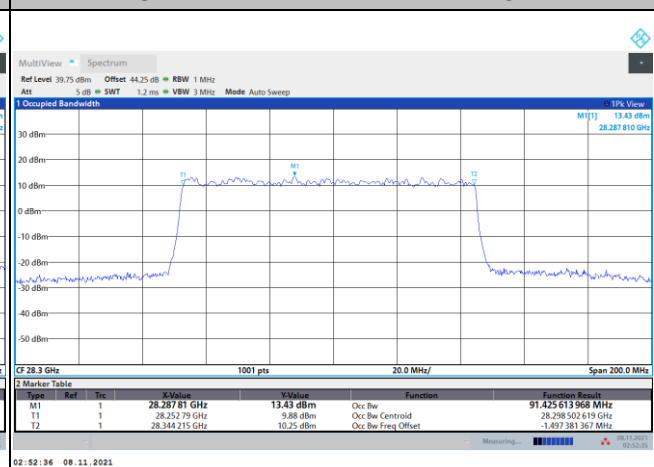
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM





DFT-s-OFDM Module 1

NR Band n261

Lowest Channel / 400MHz / QPSK



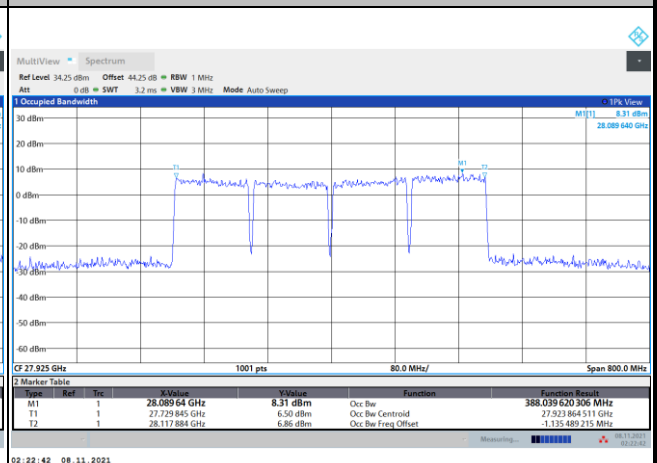
Lowest Channel / 400MHz / 16QAM



Middle Channel / 400MHz / QPSK



Middle Channel / 400MHz / 16QAM



Highest Channel / 400MHz / QPSK



Highest Channel / 400MHz / 16QAM

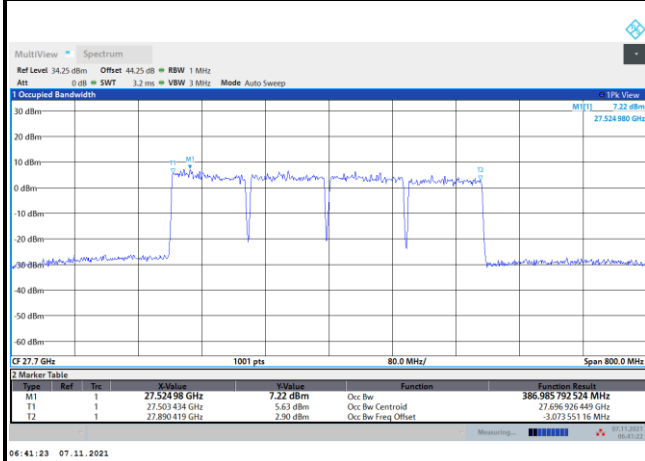




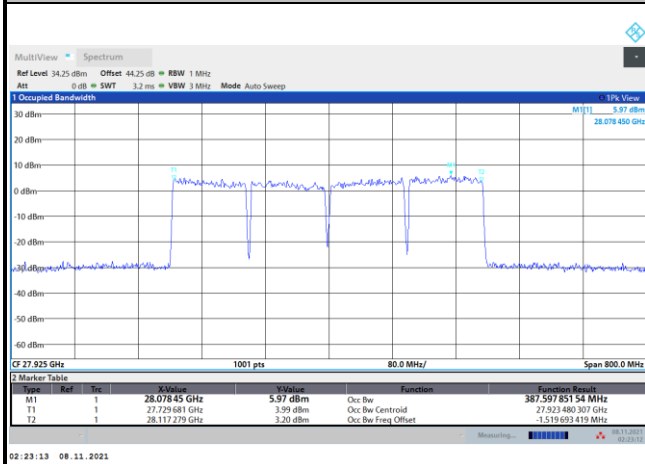
DFT-s-OFDM Module 1

NR Band n261

Lowest Channel / 400MHz / 64QAM



Middle Channel / 400MHz / 64QAM



Highest Channel / 400MHz / 64QAM

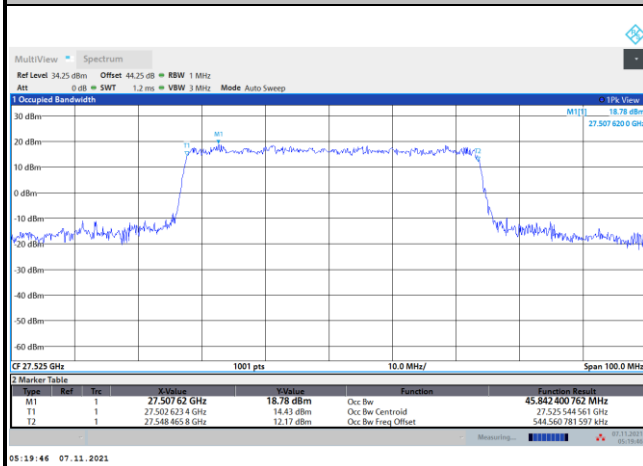




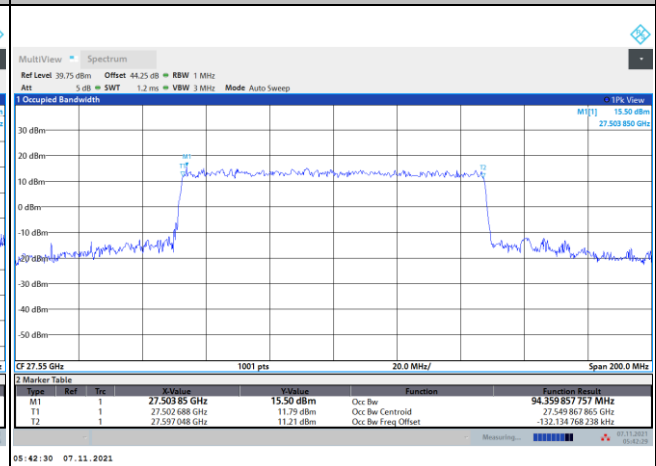
CP-OFDM Module 1

NR Band n261

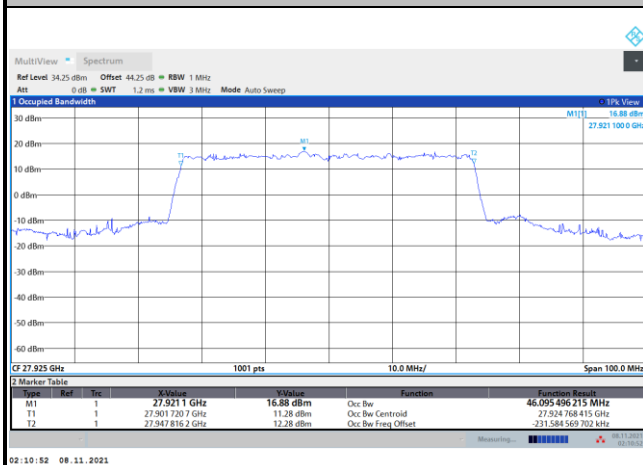
Lowest Channel / 50MHz / QPSK



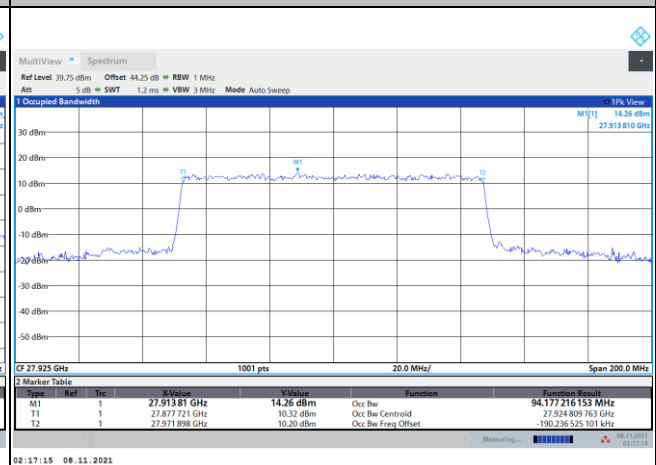
Lowest Channel / 100MHz / QPSK



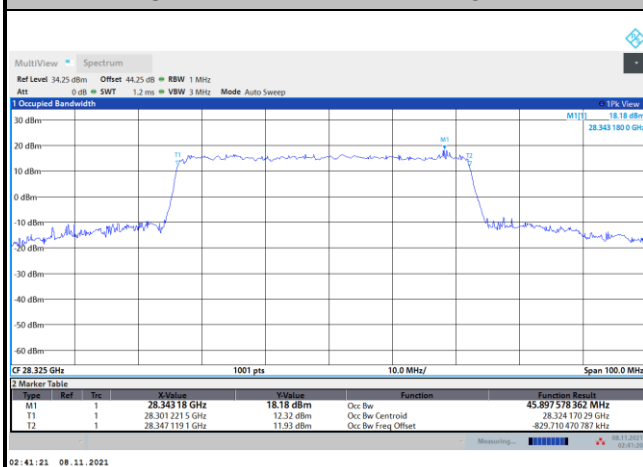
Middle Channel / 50MHz / QPSK



Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

