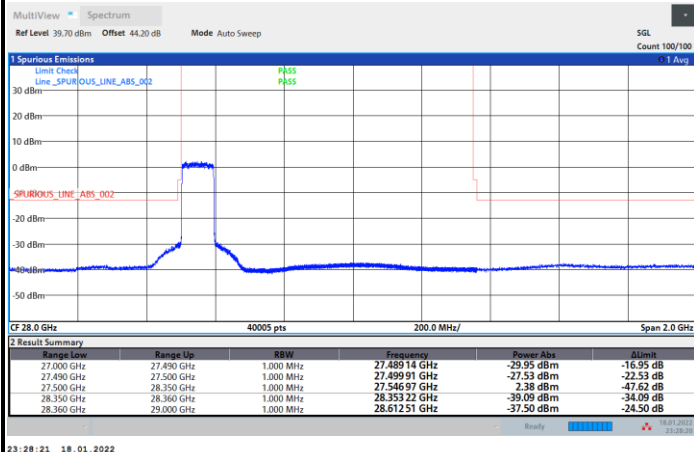




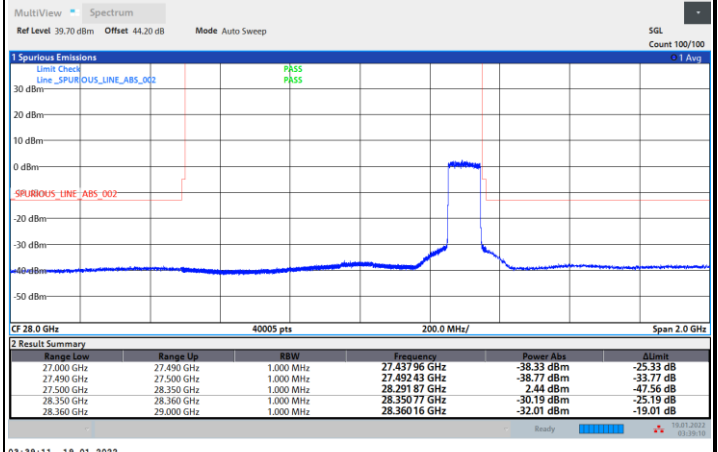
DFT-s-OFDM Module 0

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / Full RB

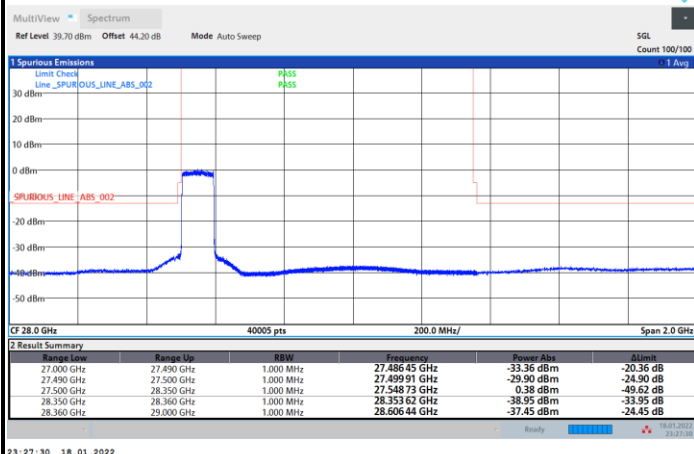


Highest Band Edge / Full RB

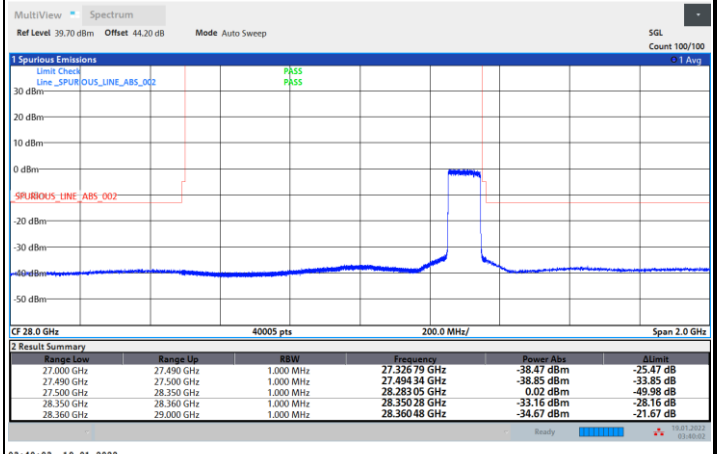


NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

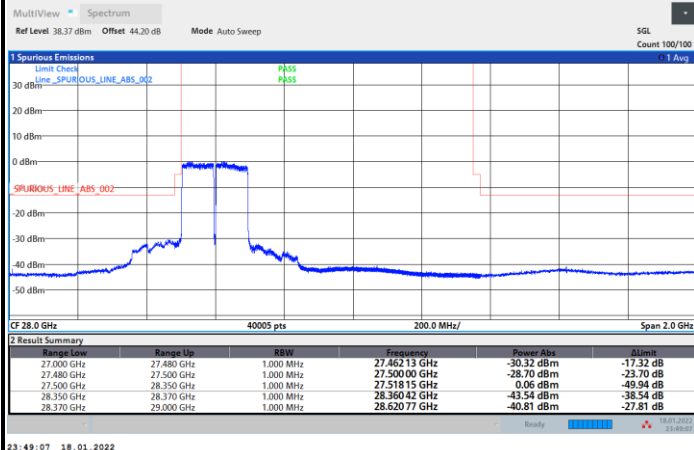




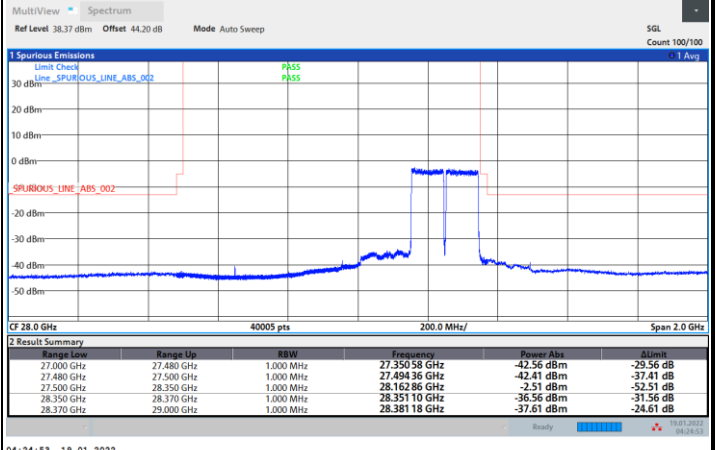
DFT-s-OFDM Module 0

NR Band n261 / 200MHz / BPSK

Lowest Band Edge / Full RB

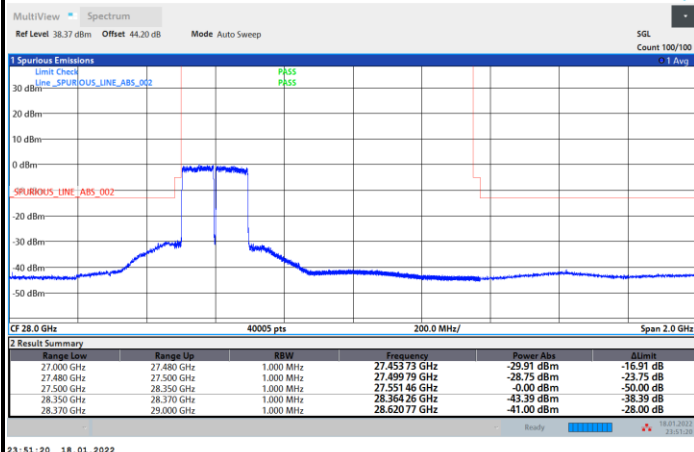


Highest Band Edge / Full RB

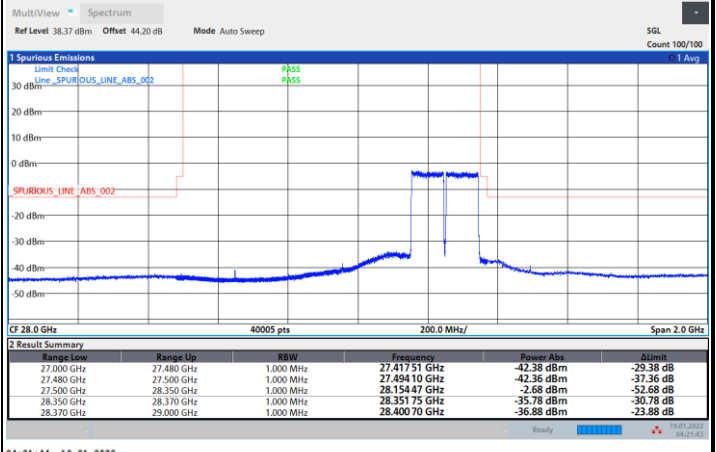


NR Band n261 / 20MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

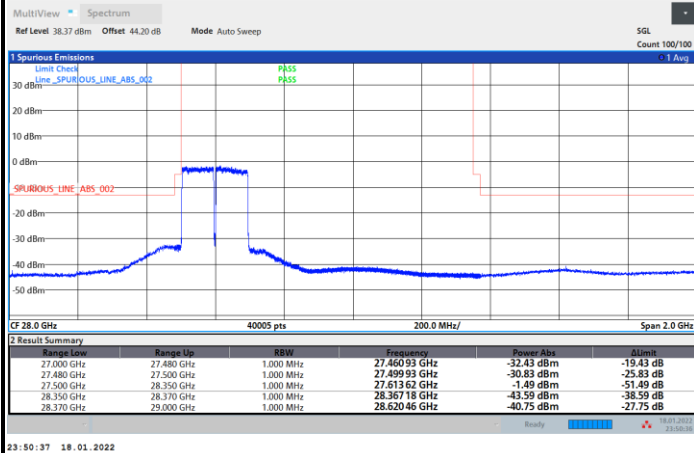




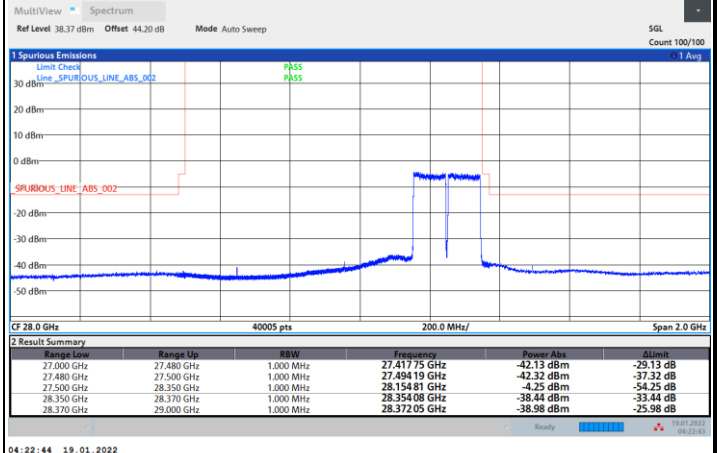
DFT-s-OFDM Module 0

NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / Full RB

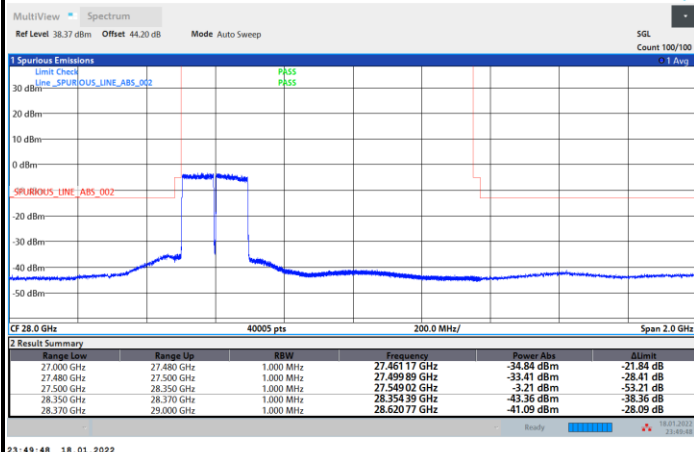


Highest Band Edge / Full RB

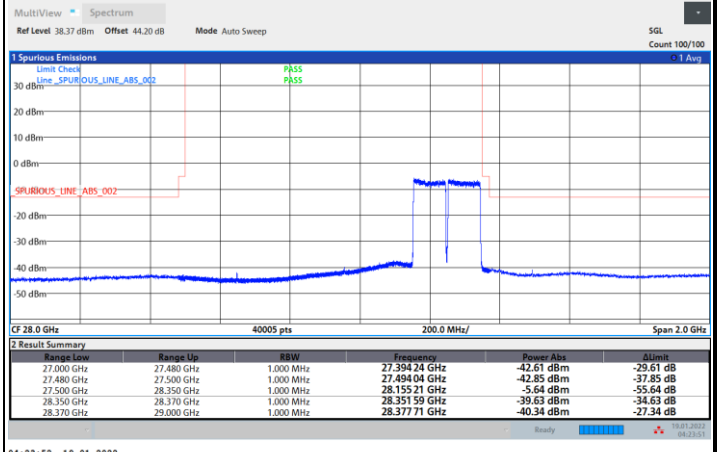


NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

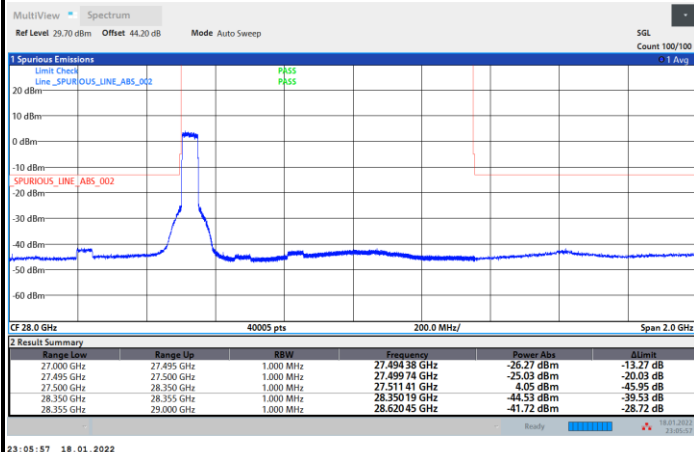




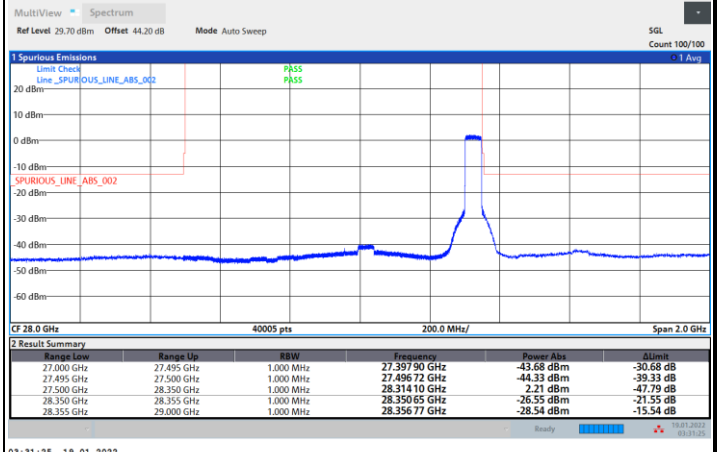
CP-OFDM Module 0

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB

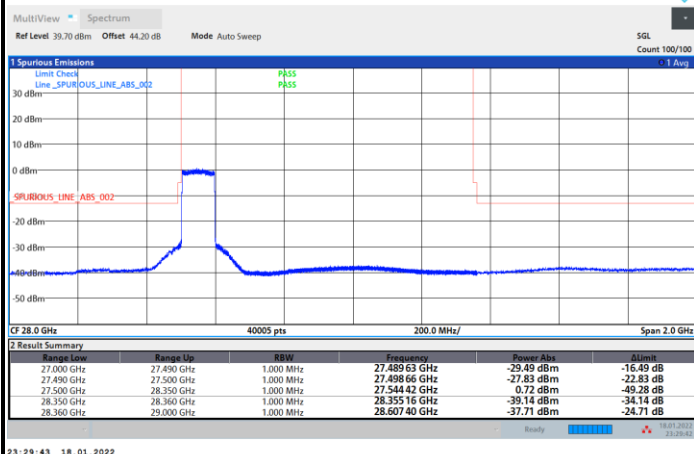


Highest Band Edge / Full RB

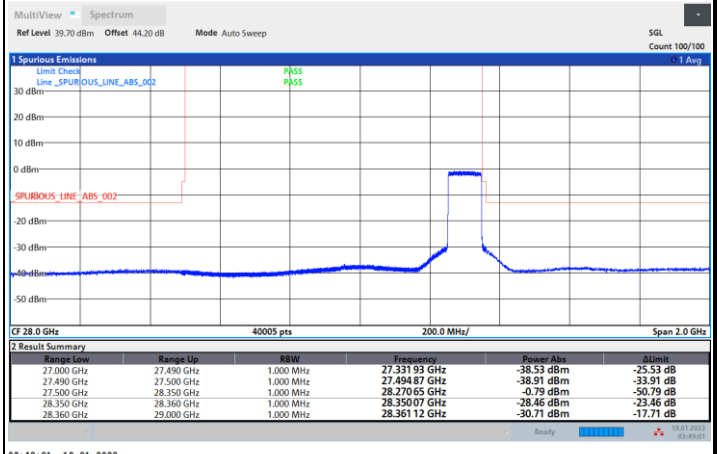


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



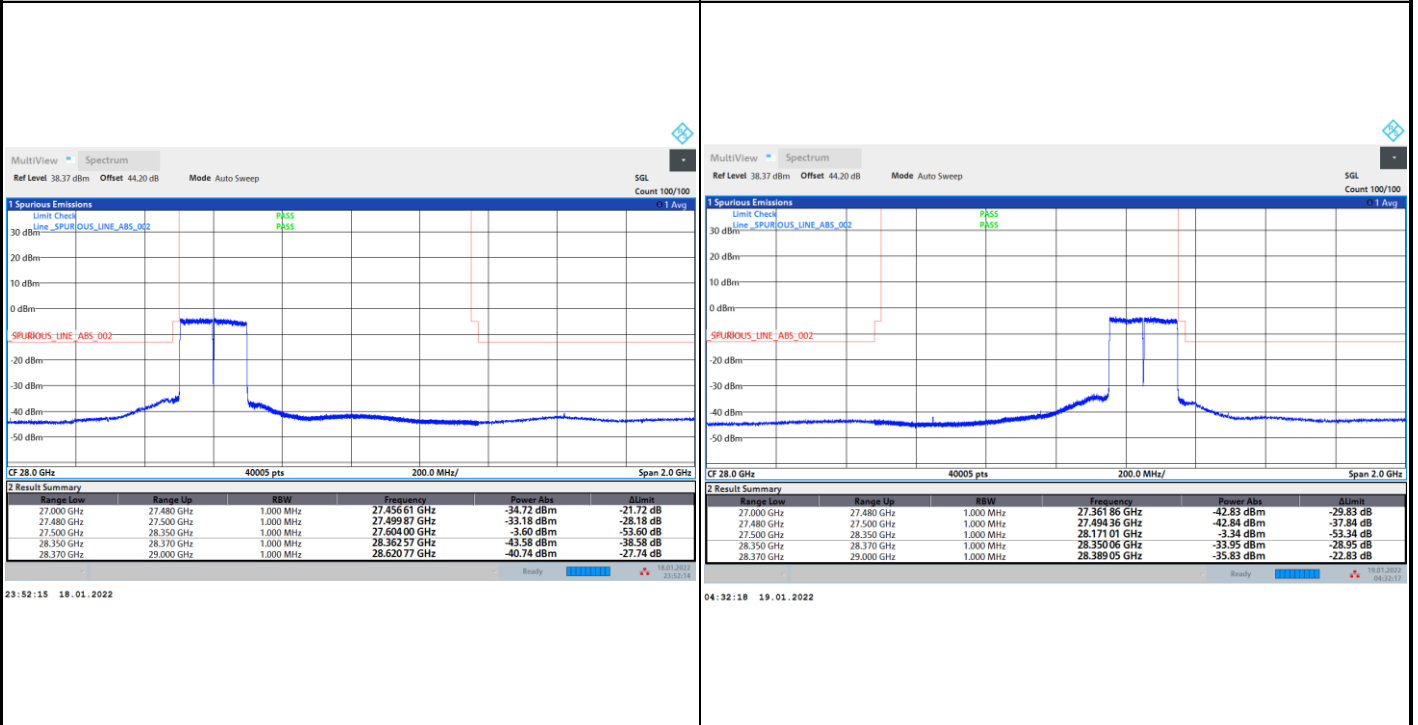


CP-OFDM Module 0

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



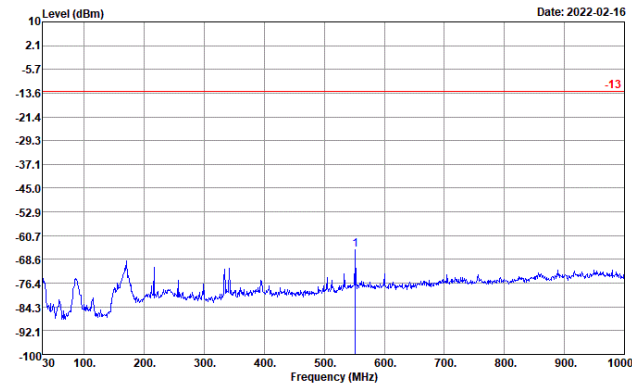
Spurious Emission

There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz.

Only the noise floor is reported.

NR Band n261 (30MHz-1GHz)

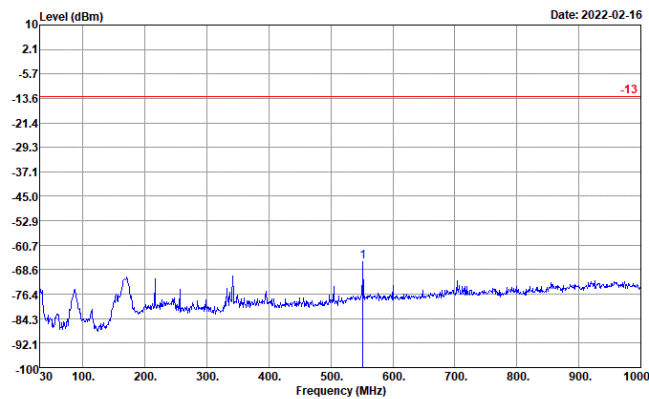
Horizontal



Site : 03CH19-HY
 Condition : -13 ERP EIRP_20210305 HORIZONTAL
 RBW:120.000KHz VBW:300.000KHz SWT:0.500sec
 Project : 1D1645
 : n261 MO

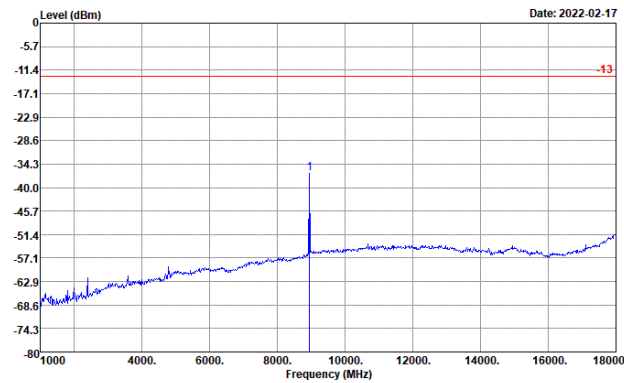
	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	551.86	-65.37	-52.37	-13.00	-69.40

Vertical



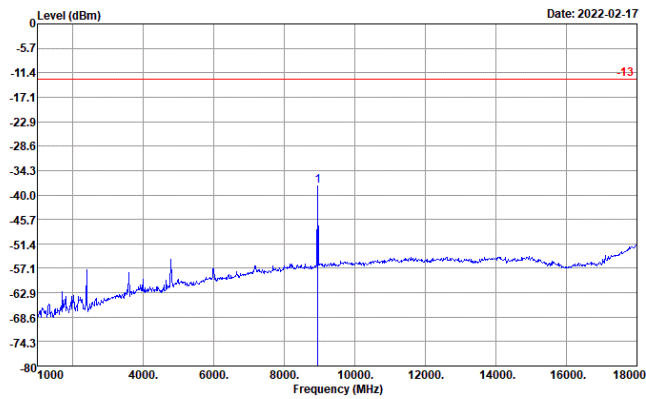
Site : 03CH19-HY
 Condition : -13 ERP EIRP_20210305 VERTICAL
 RBW:120.000KHz VBW:300.000KHz SWT:0.500sec
 Project : 1D1645
 : n261 MO

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	551.86	-65.84	-52.84	-13.00	-69.87

NR Band n261 (1GHz-18GHz)
Horizontal


Site : 03CH19-HY
 Condition : -13 ERP EIRP_20210305 HORIZONTAL
 : RBW:1000.000KHz VBW:3000.000KHz SWT:0.500sec
 Project : 1D1645
 : n261 MO

	Over	Limit	Read
Freq	Level	Limit	Line
MHz	dBm	dB	dBm
1	8956.00	-36.57	-23.57
		-13.00	-62.31

Vertical


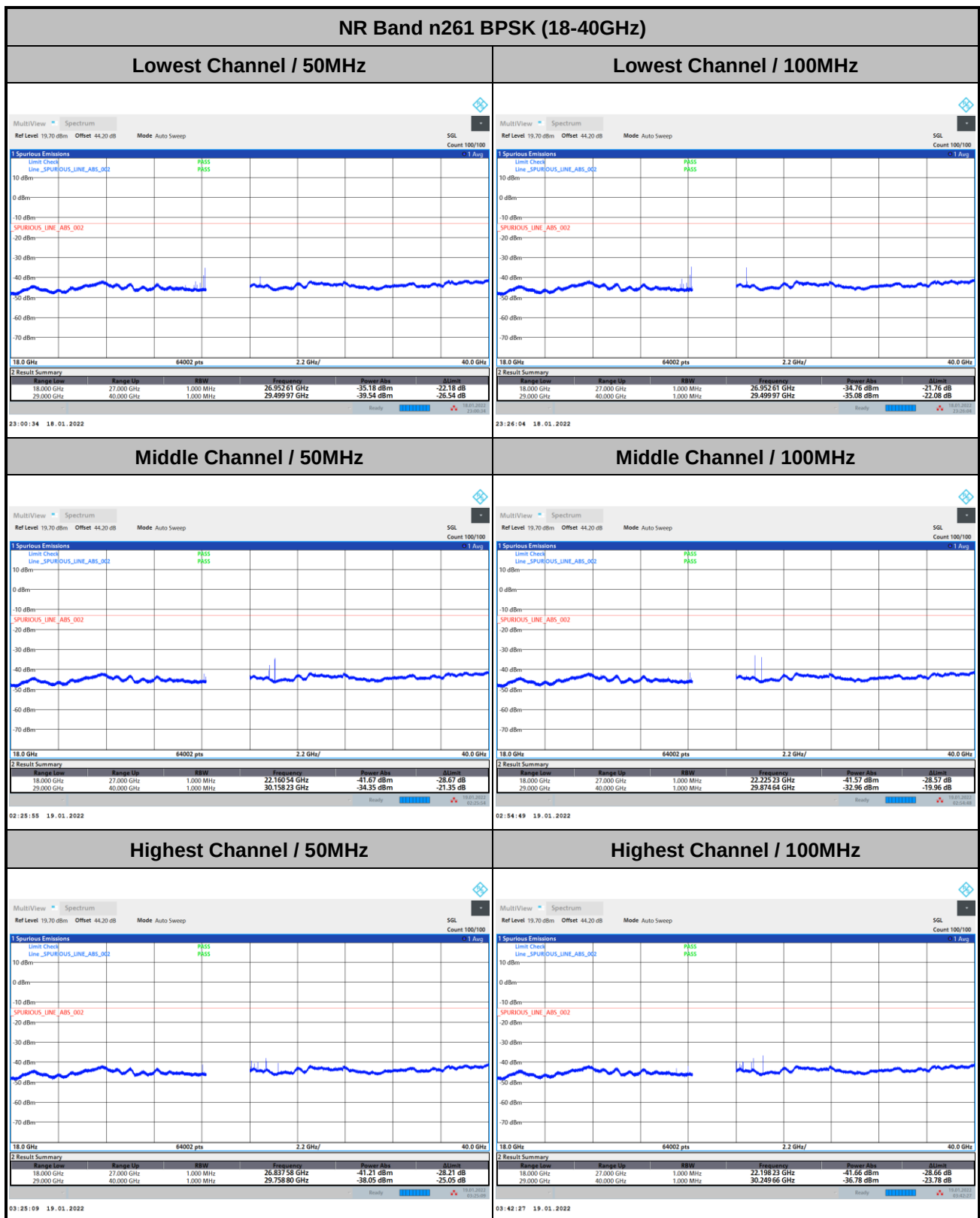
Site : 03CH19-HY
 Condition : -13 ERP EIRP_20210305 VERTICAL
 : RBW:1000.000KHz VBW:3000.000KHz SWT:0.500sec
 Project : 1D1645
 : n261 MO

	Over	Limit	Read
Freq	Level	Limit	Line
MHz	dBm	dB	dBm
1	8956.00	-37.81	-24.81
		-13.00	-62.97



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

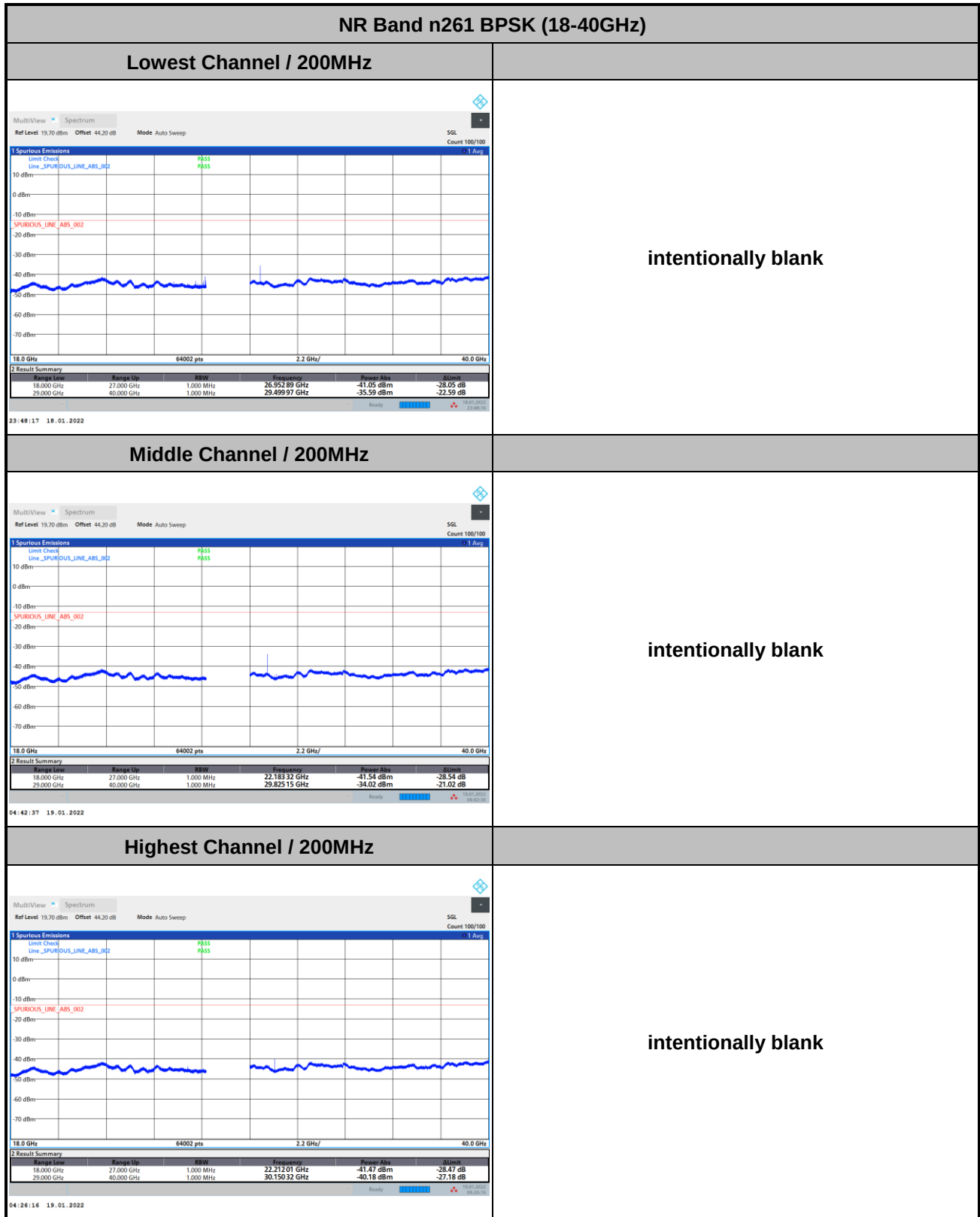
DFT-s-OFDM Module 0



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



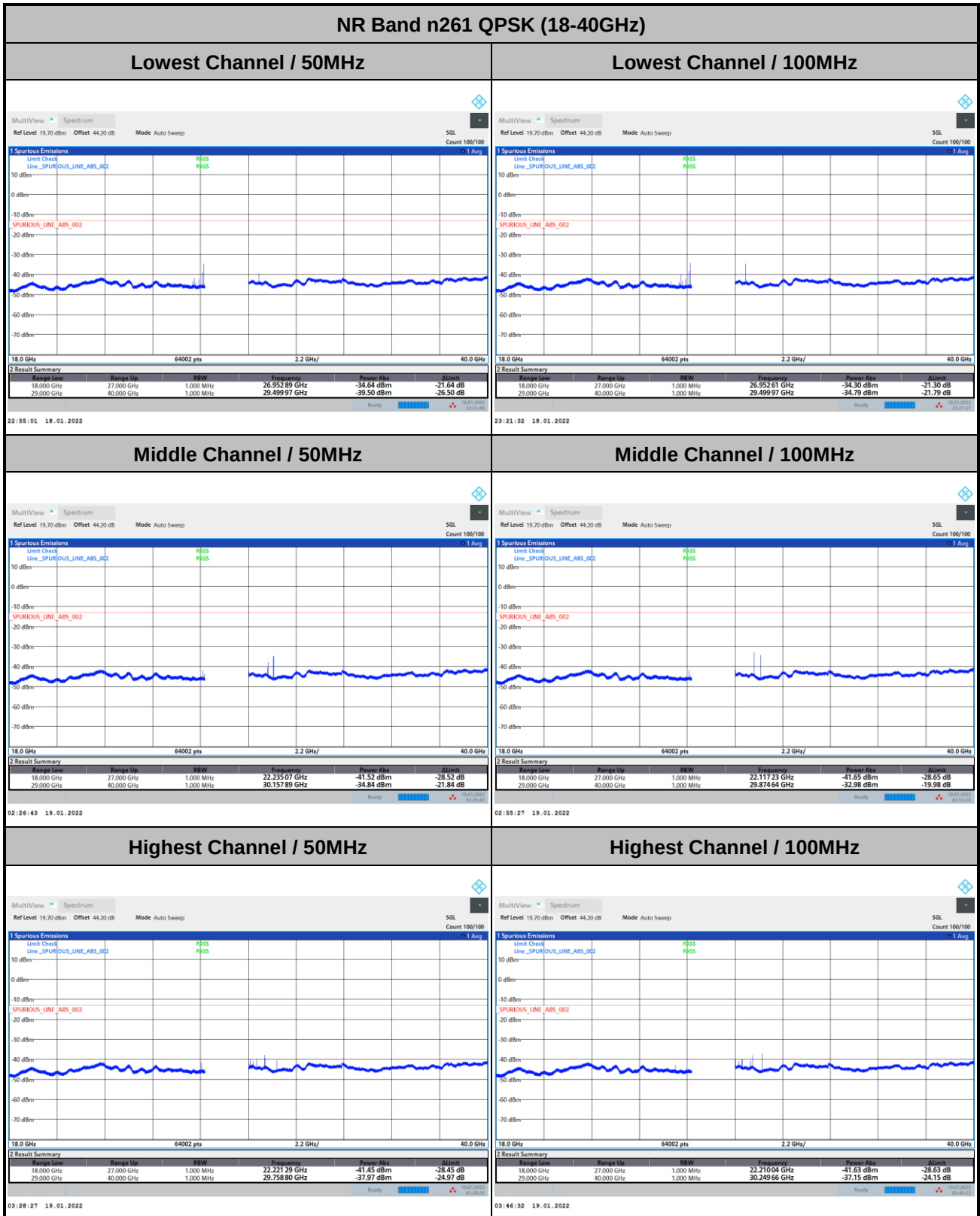
DFT-s-OFDM Module 0



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



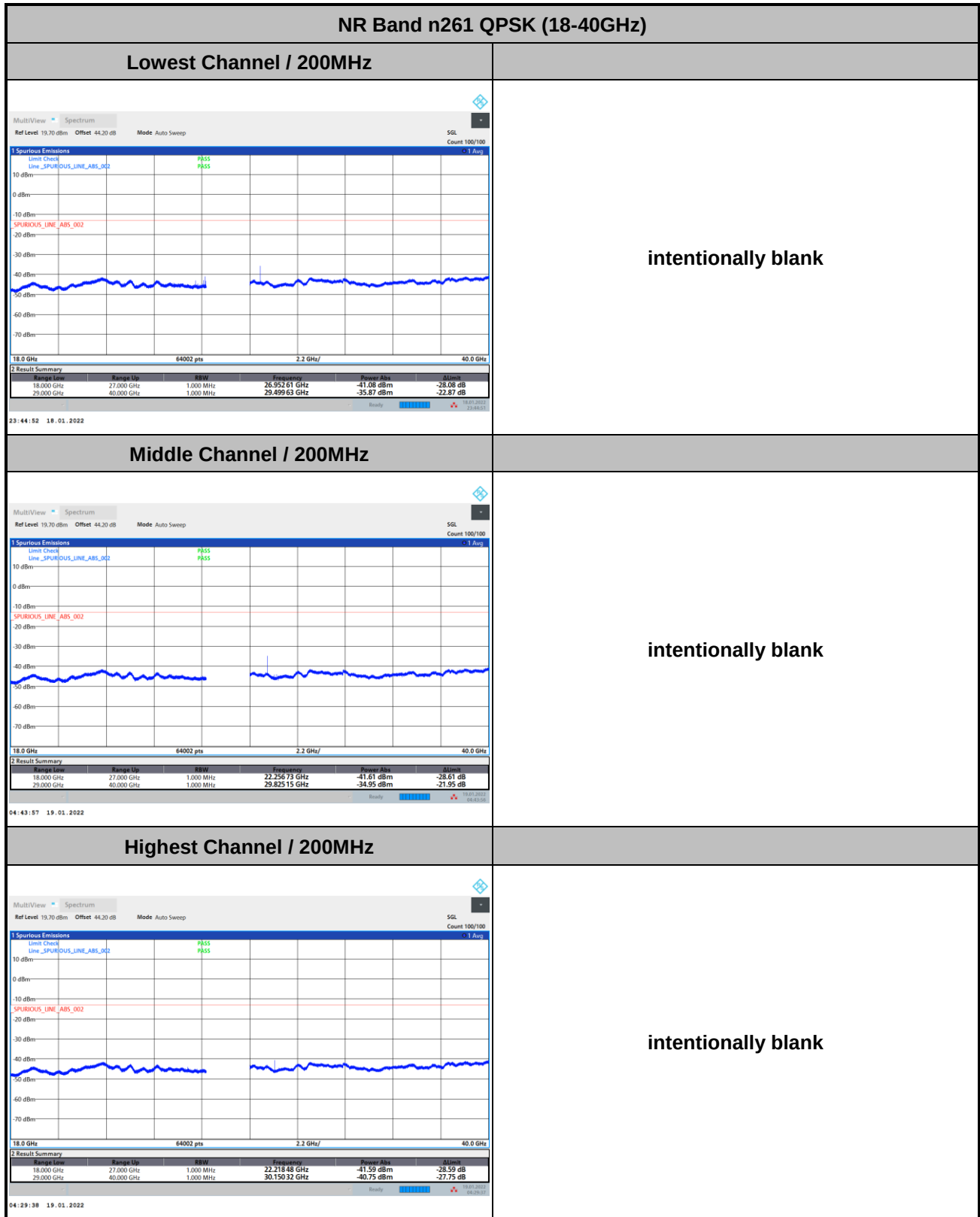
DFT-s-OFDM Module 0



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



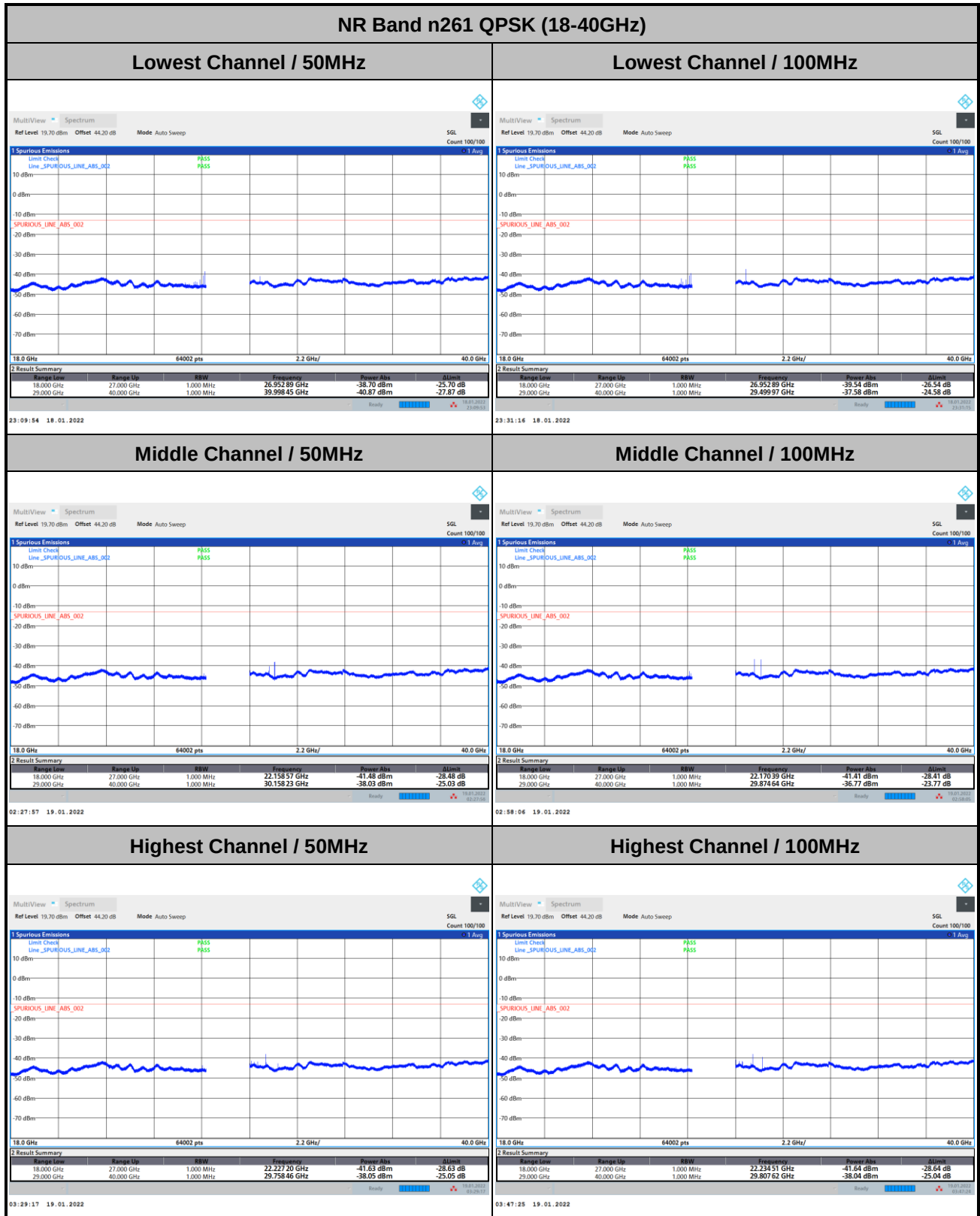
DFT-s-OFDM Module 0



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



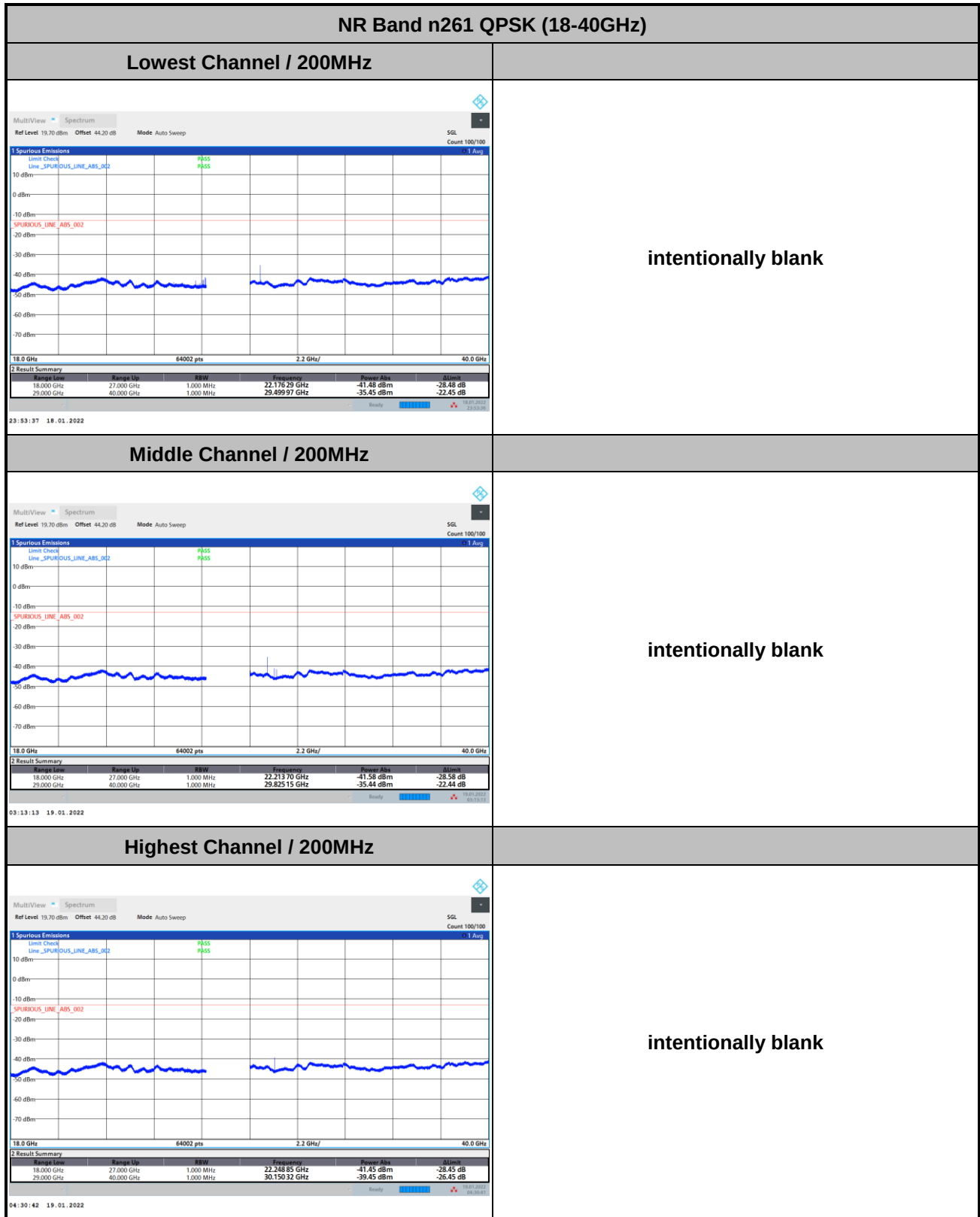
CP-OFDM Module 0



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

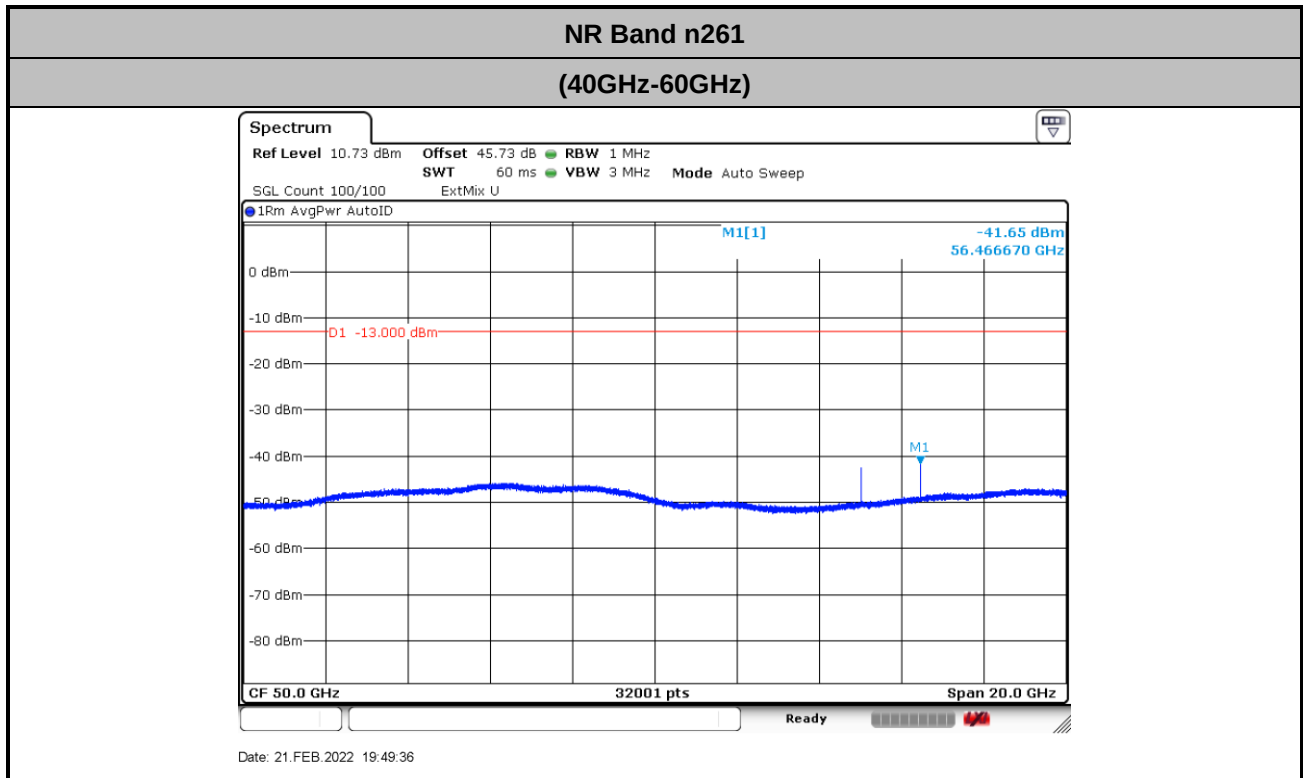


CP-OFDM Module 0



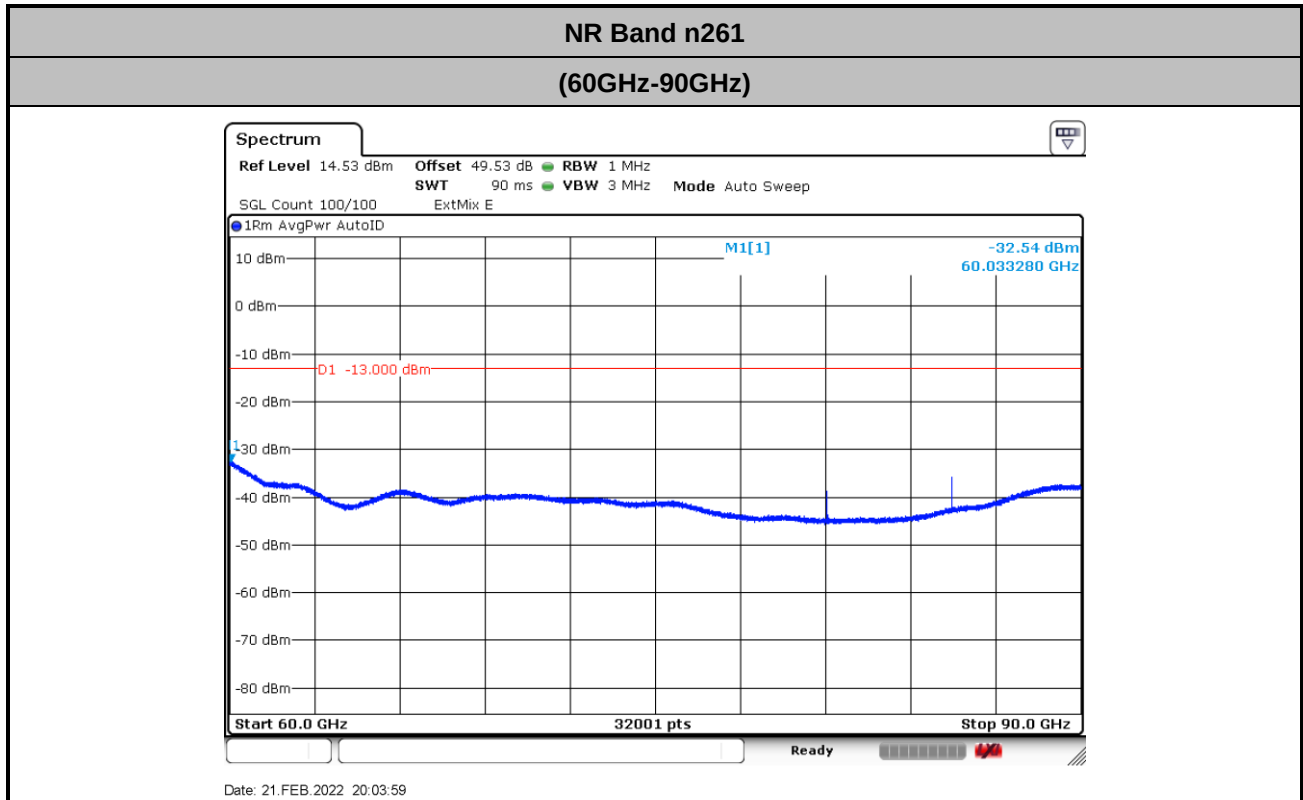
Remark: In band and out of band frequencies are omitted.

There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz.
Only the noise floor is reported.

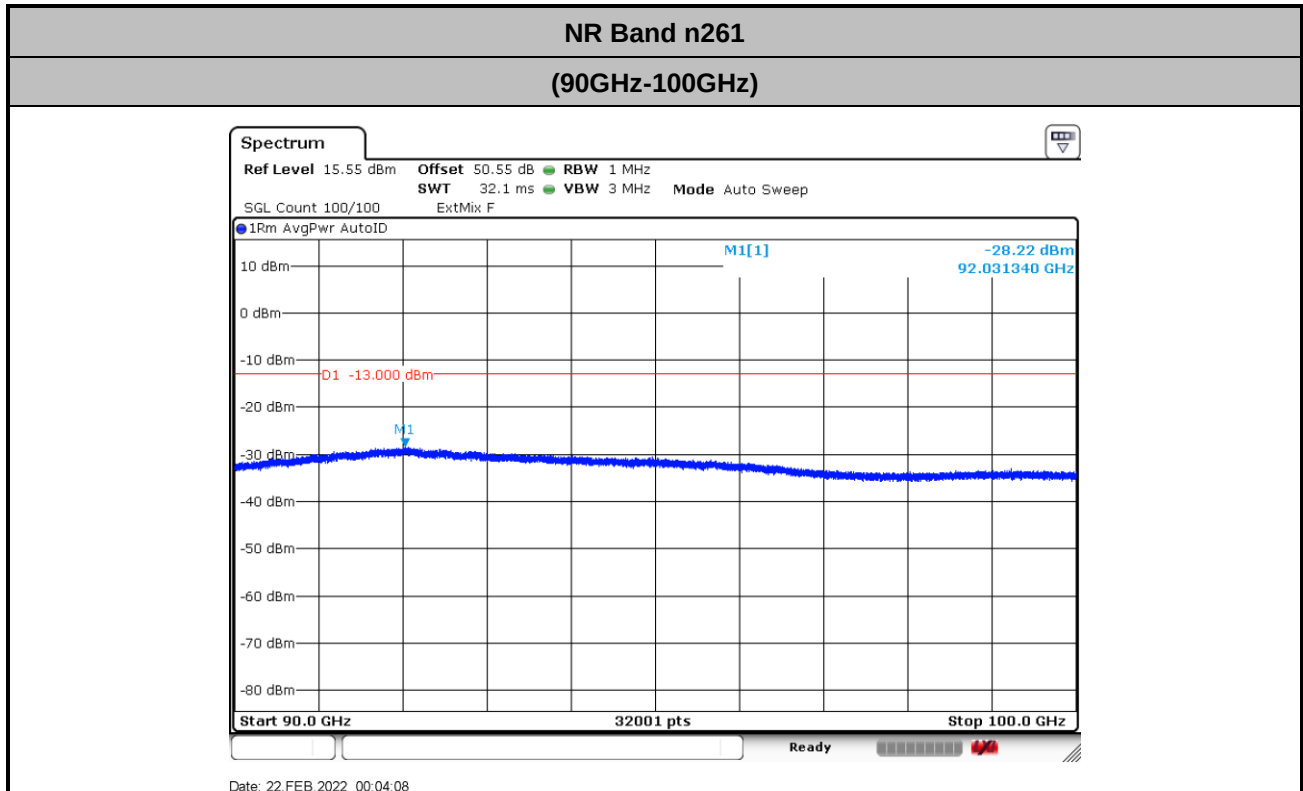


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 43.1 + 0.43 + 107 + 20\log(1) - 104.8 = 45.73 \text{ (dB)}$$



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



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 47.92 + 0.43 + 107 + 20\log(1) - 104.8 = 50.55 \text{ (dB)} \end{aligned}$$



NR Band n261 Module 1

Occupied Bandwidth

Mode	DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz)											
BW	50MHz				100MHz				200MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.74	45.93	45.81	45.88	91.37	91.41	91.23	91.44	190.31	189.94	189.88	190.12
Middle CH	45.74	45.90	45.79	45.87	91.41	91.44	91.33	91.44	189.78	189.95	190.03	190.17
Highest CH	45.77	45.85	45.94	45.98	91.18	91.40	91.44	91.49	189.82	189.85	189.76	189.98

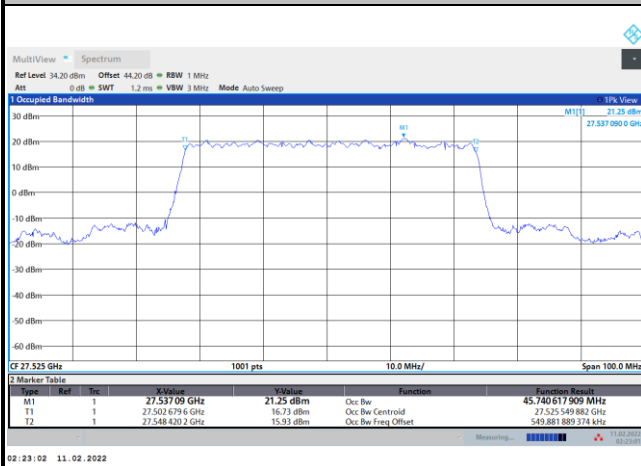
Mode	CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	46.03	94.18	192.79
Middle CH	45.96	94.25	192.65
Highest CH	46.00	94.16	192.96



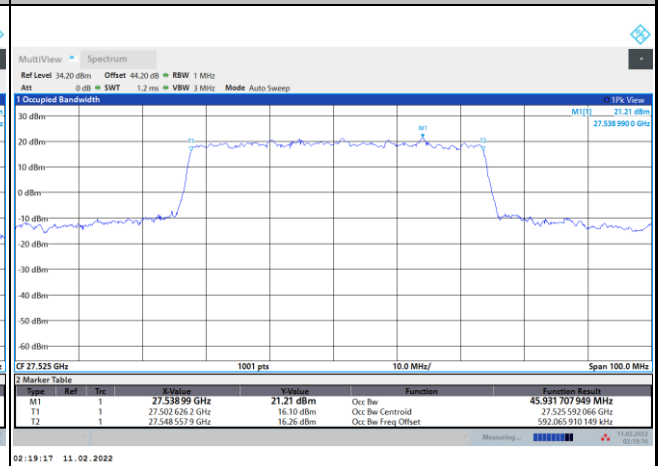
DFT-s-OFDM Module 1

NR Band n261

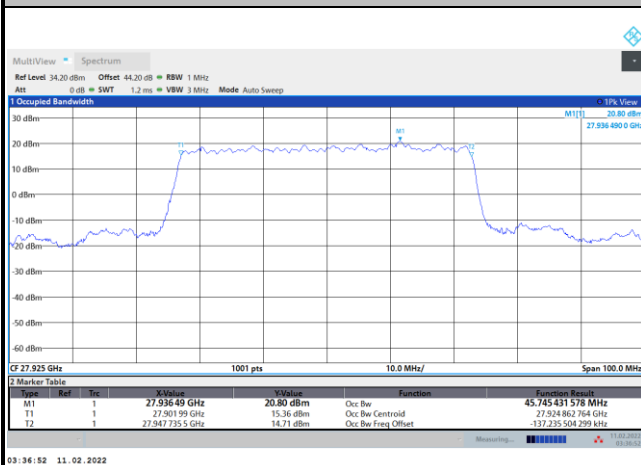
Lowest Channel / 50MHz / BPSK



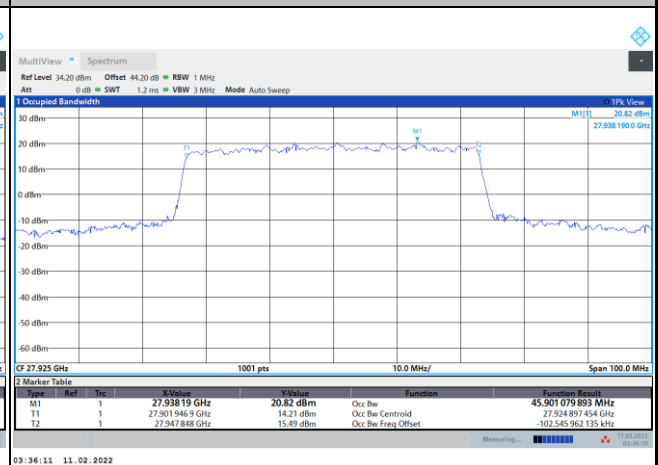
Lowest Channel / 50MHz / QPSK



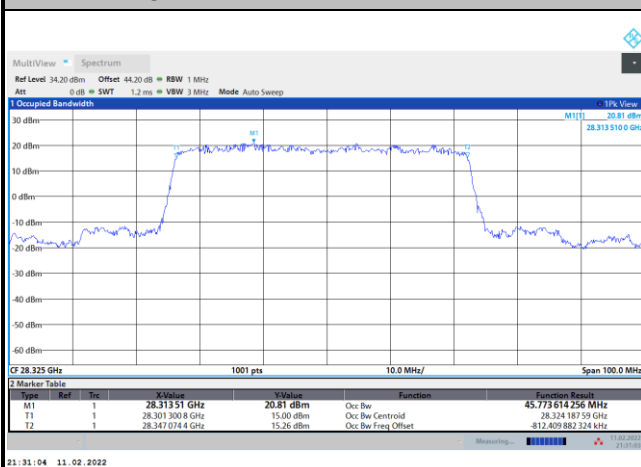
Middle Channel / 50MHz / BPSK



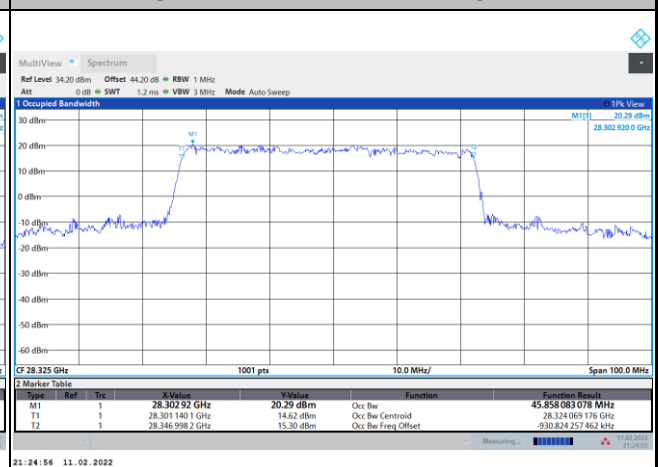
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK



Highest Channel / 50MHz / QPSK

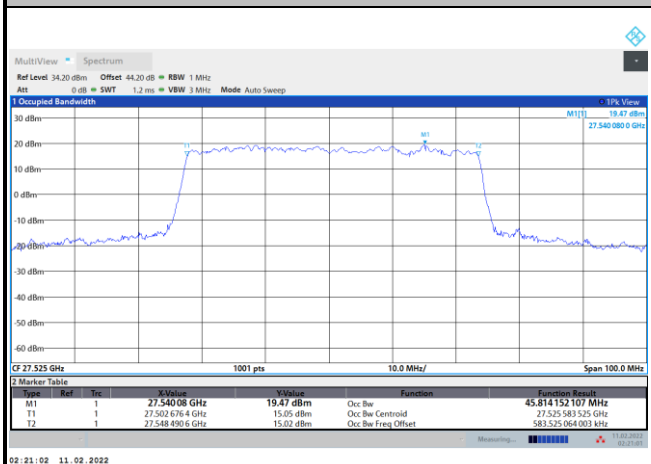




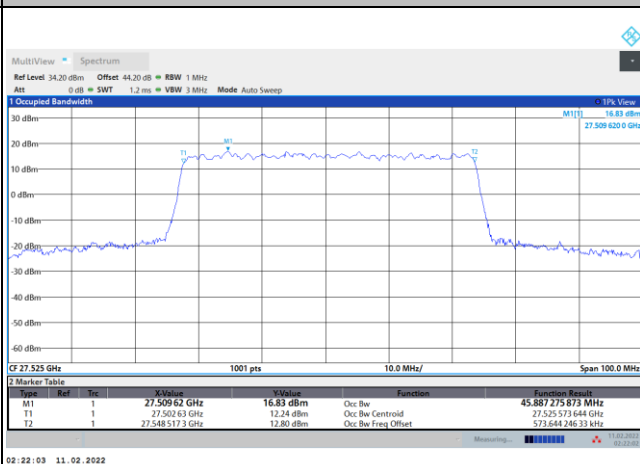
DFT-s-OFDM Module 1

NR Band n261

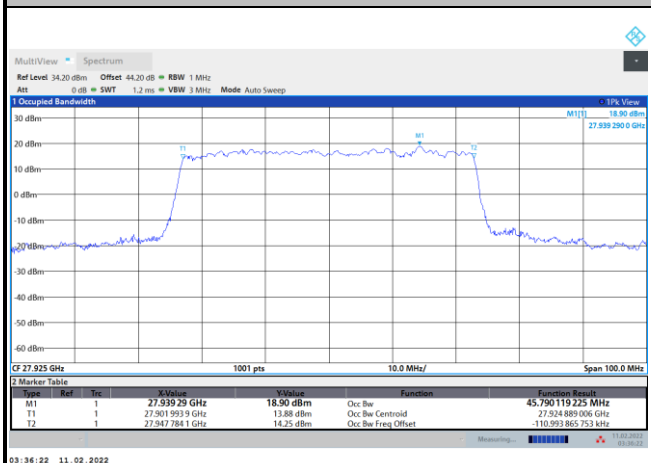
Lowest Channel / 50MHz / 16QAM



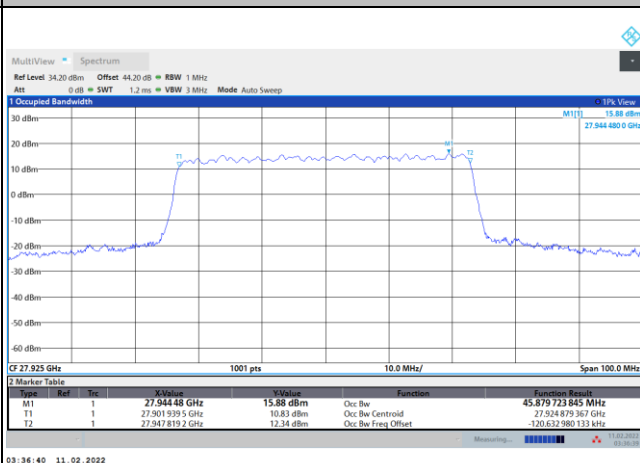
Lowest Channel / 50MHz / 64QAM



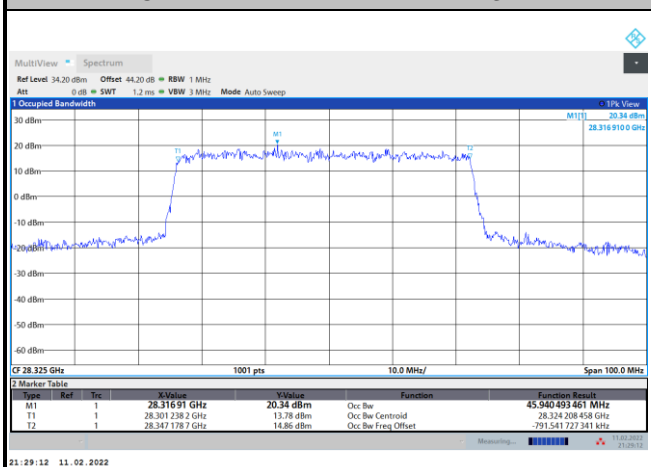
Middle Channel / 50MHz / 16QAM



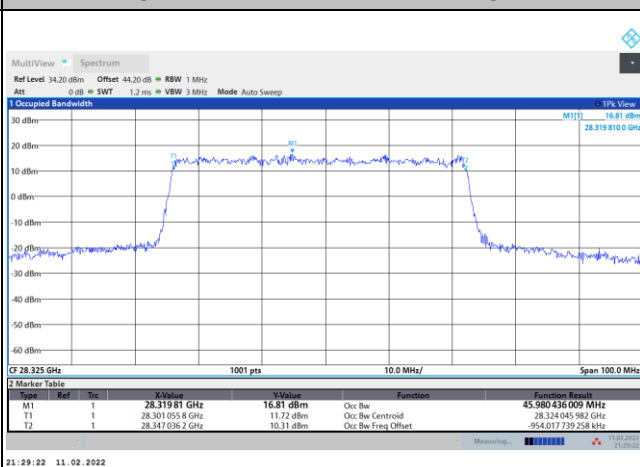
Middle Channel / 50MHz / 64QAM



Highest Channel / 50MHz / 16QAM



Highest Channel / 50MHz / 64QAM

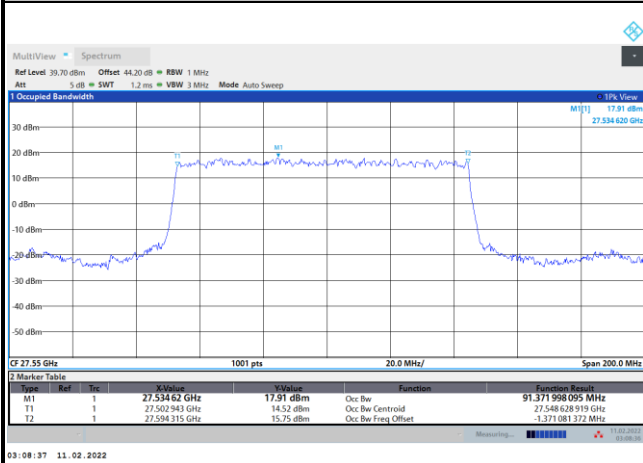




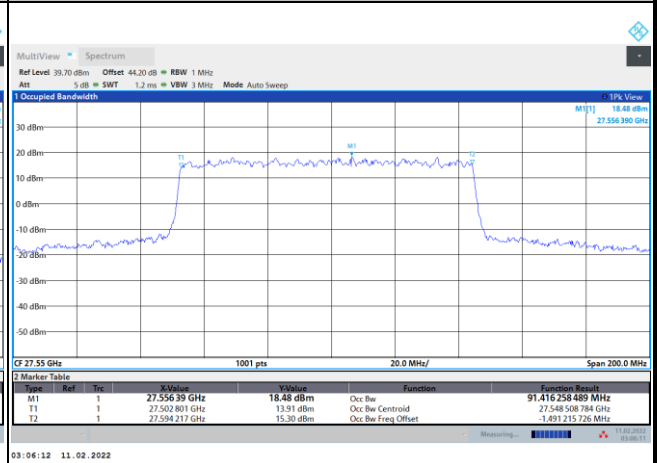
DFT-s-OFDM Module 1

NR Band n261

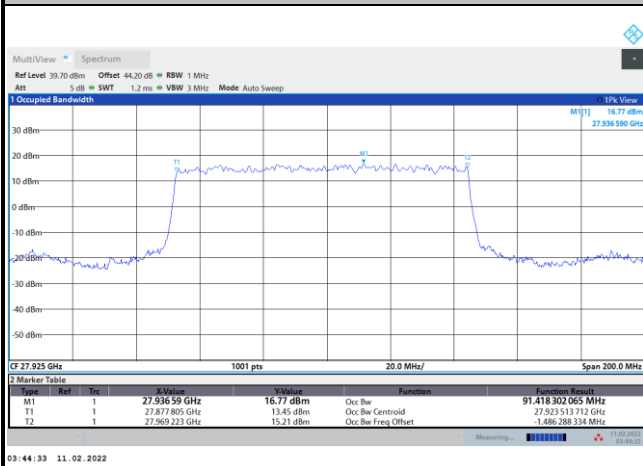
Lowest Channel / 100MHz / BPSK



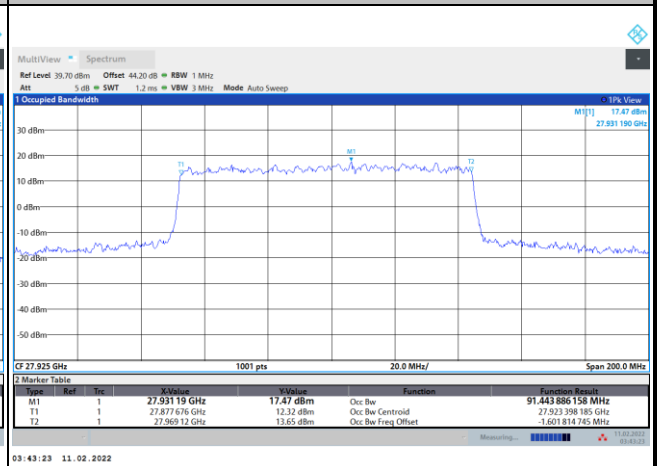
Lowest Channel / 100MHz / QPSK



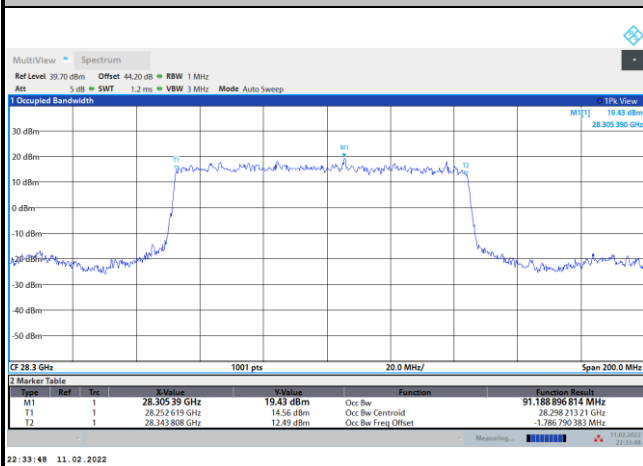
Middle Channel / 100MHz / BPSK



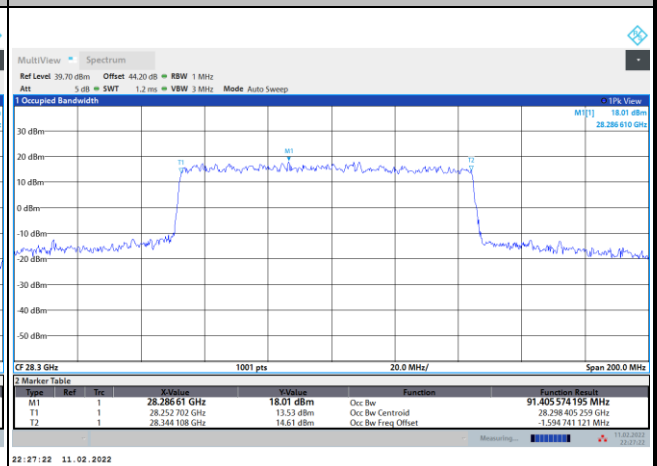
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK



Highest Channel / 100MHz / QPSK

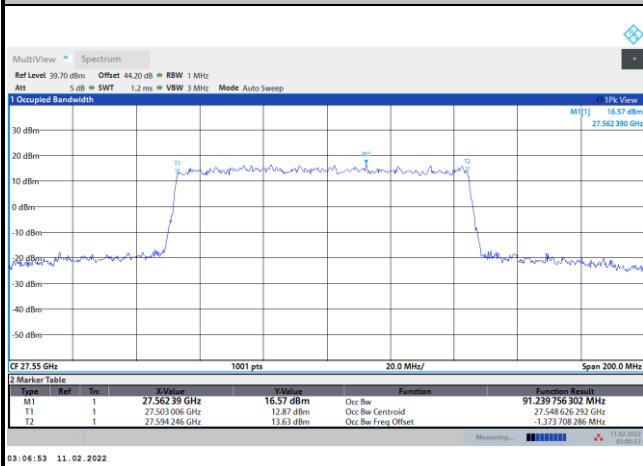




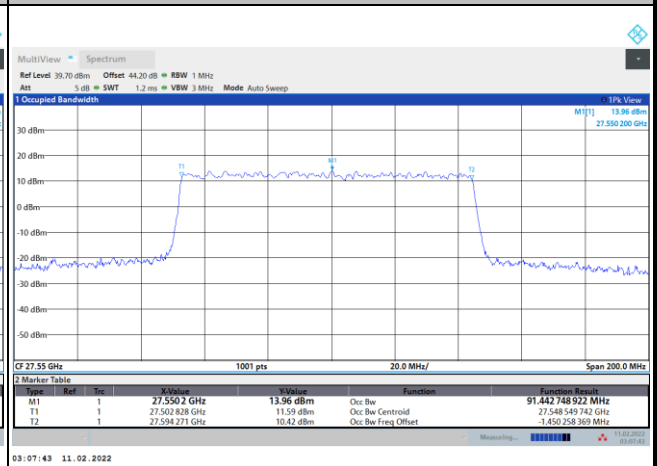
DFT-s-OFDM Module 1

NR Band n261

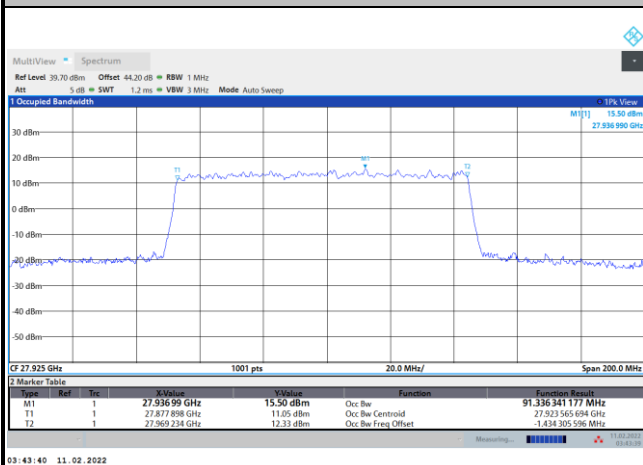
Lowest Channel / 100MHz / 16QAM



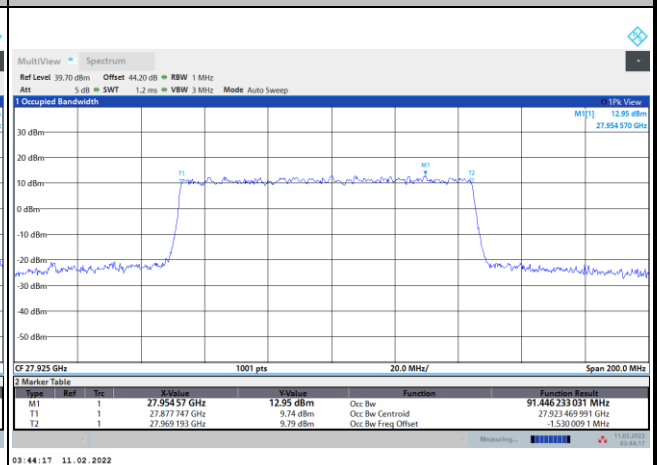
Lowest Channel / 100MHz / 64QAM



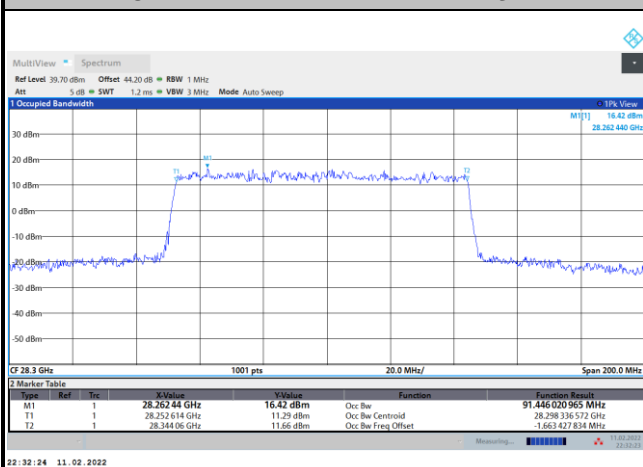
Middle Channel / 100MHz / 16QAM



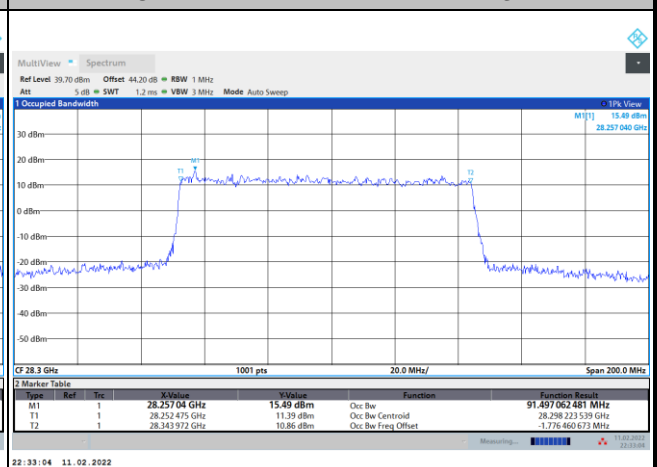
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

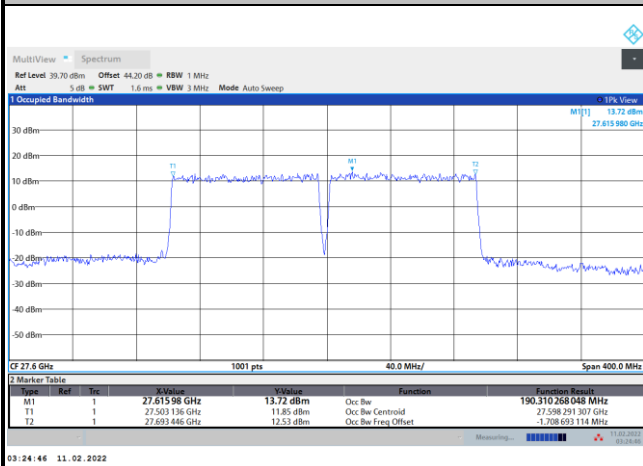




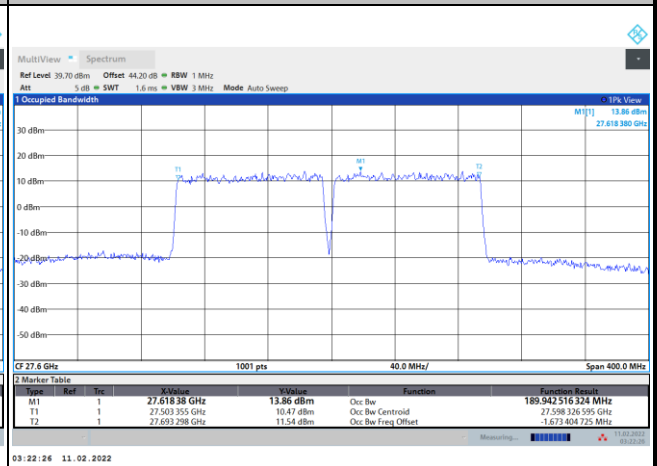
DFT-s-OFDM Module 1

NR Band n261

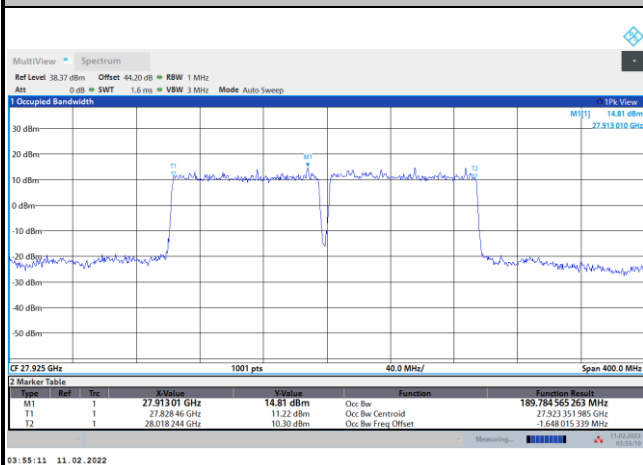
Lowest Channel / 200MHz / BPSK



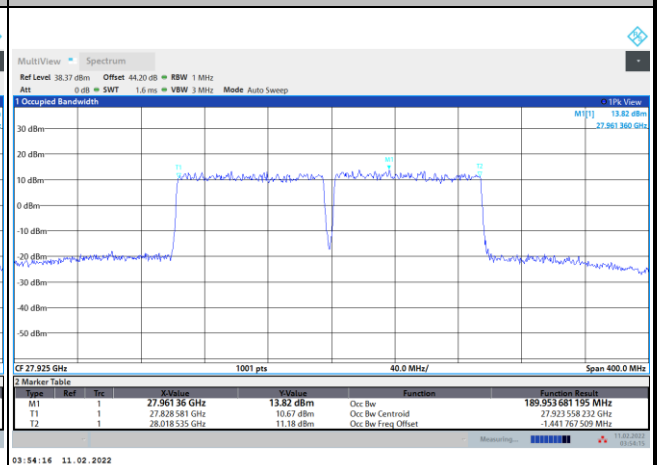
Lowest Channel / 200MHz / QPSK



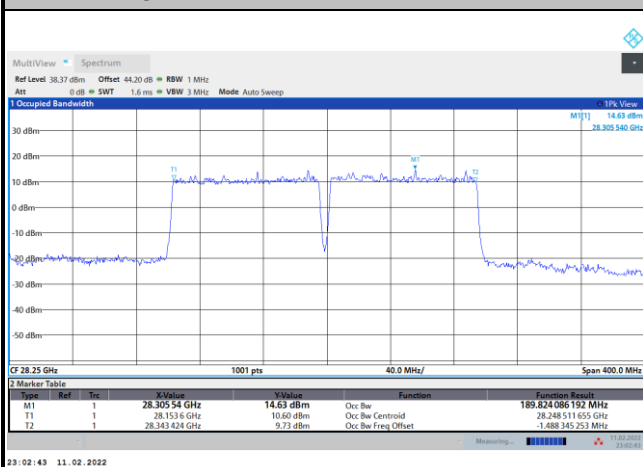
Middle Channel / 200MHz / BPSK



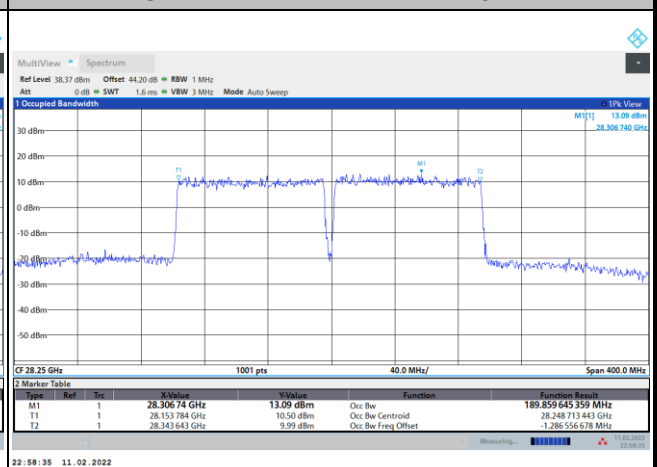
Middle Channel / 200MHz / QPSK



Highest Channel / 200MHz / BPSK



Highest Channel / 200MHz / QPSK

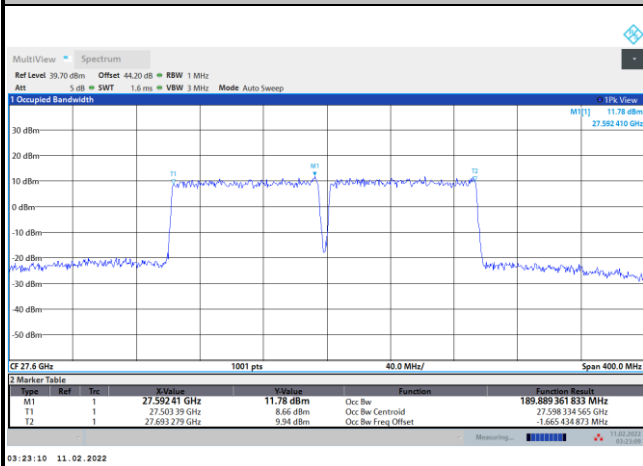




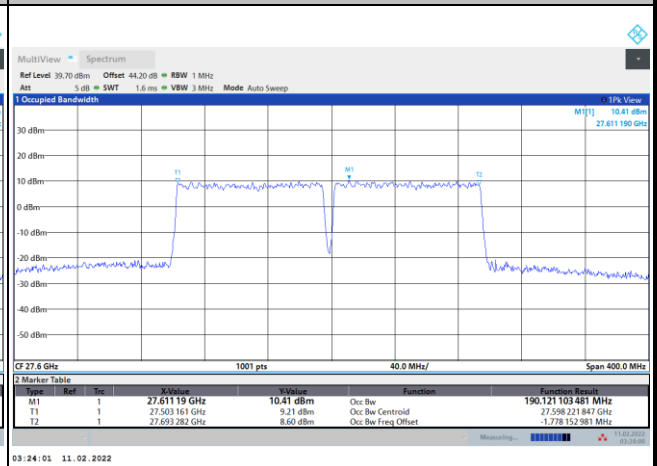
DFT-s-OFDM Module 1

NR Band n261

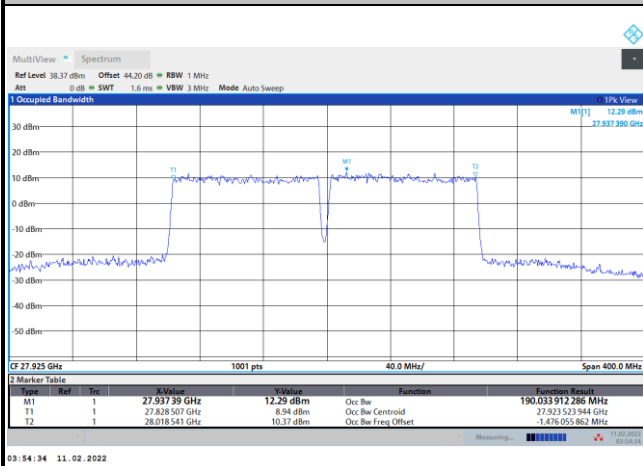
Lowest Channel / 200MHz / 16QAM



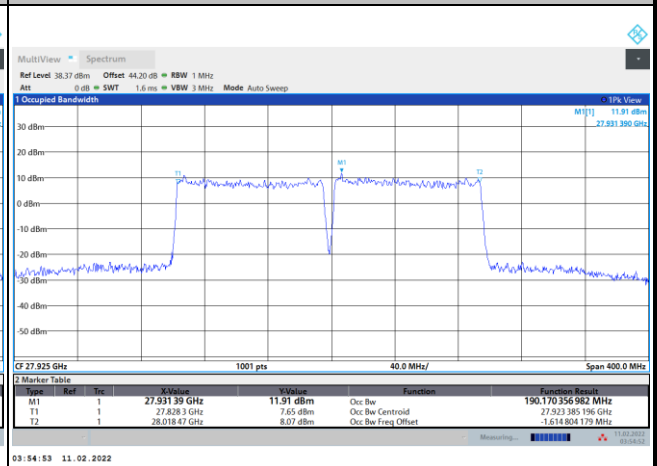
Lowest Channel / 200MHz / 64QAM



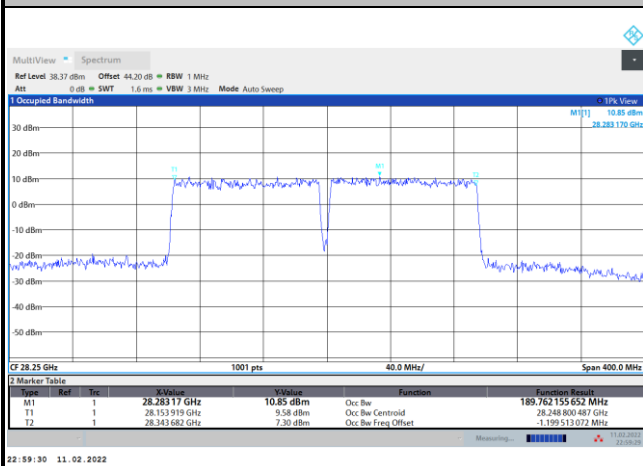
Middle Channel / 200MHz / 16QAM



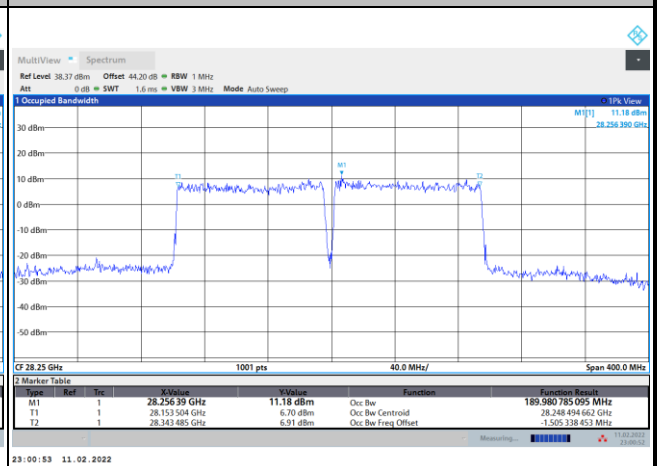
Middle Channel / 200MHz / 64QAM



Highest Channel / 200MHz / 16QAM



Highest Channel / 200MHz / 64QAM

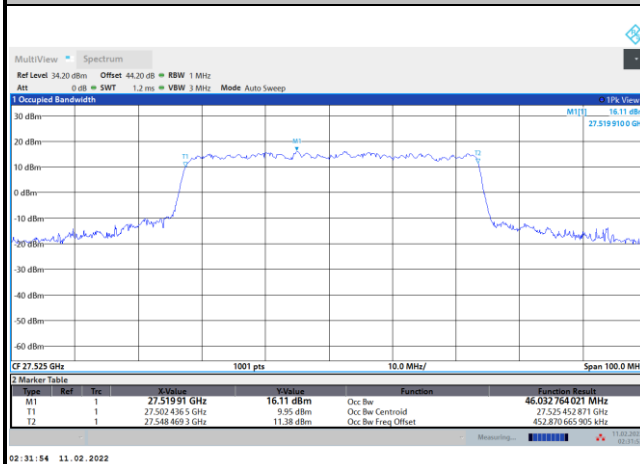




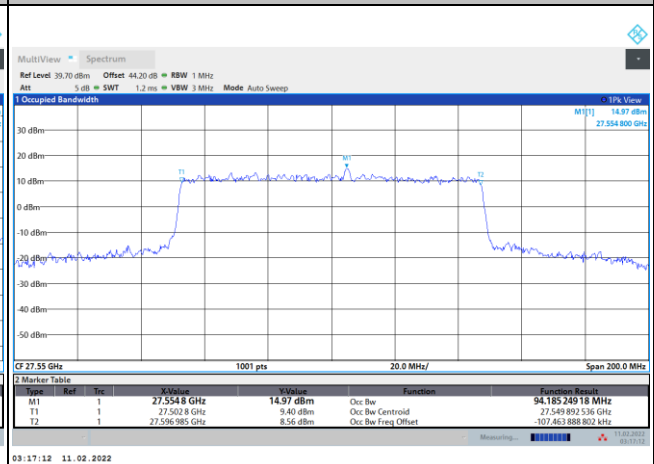
CP-OFDM Module 1

NR Band n261

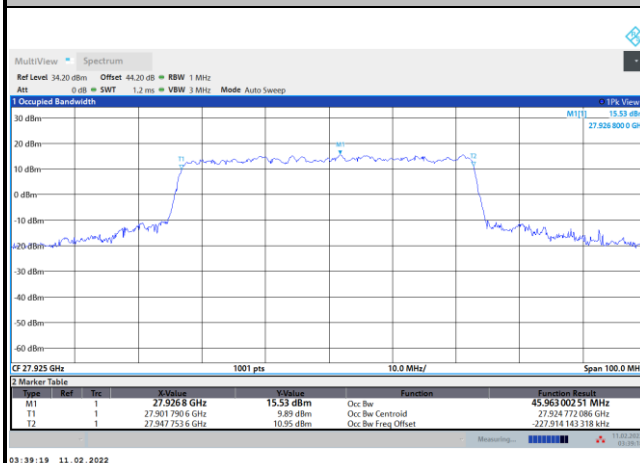
Lowest Channel / 50MHz / QPSK



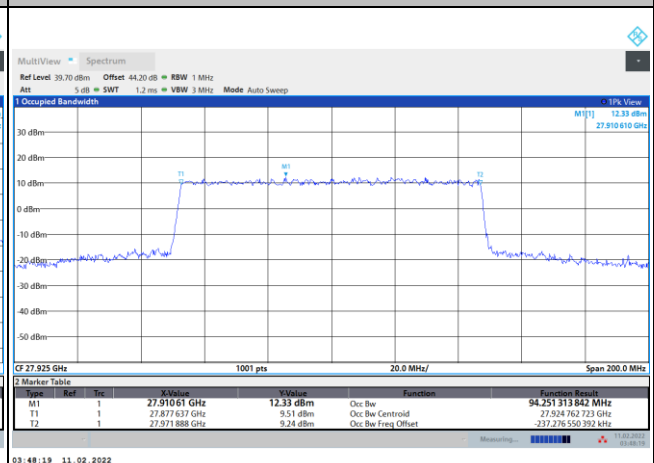
Lowest Channel / 100MHz / QPSK



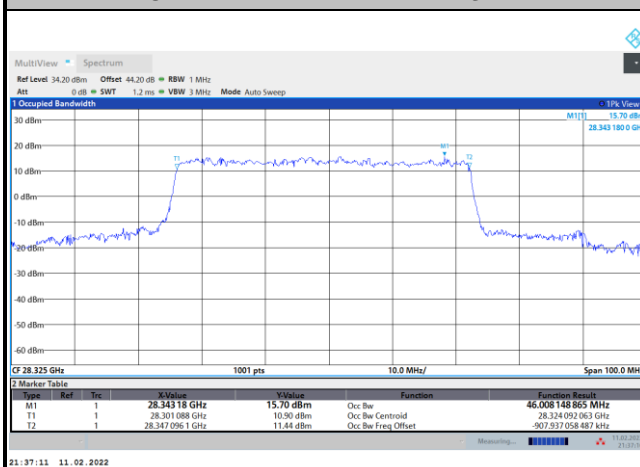
Middle Channel / 50MHz / QPSK



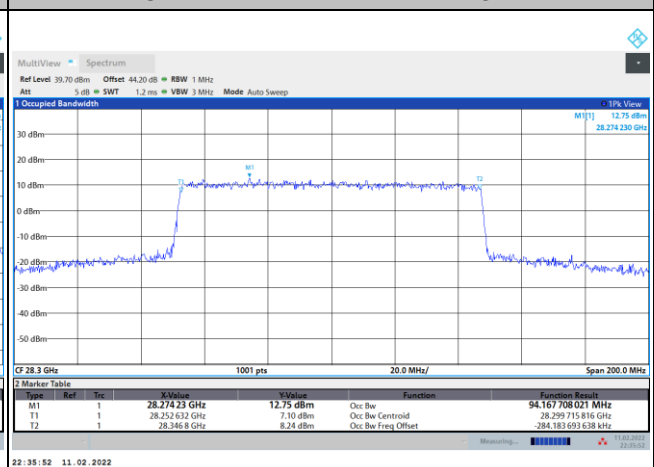
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK

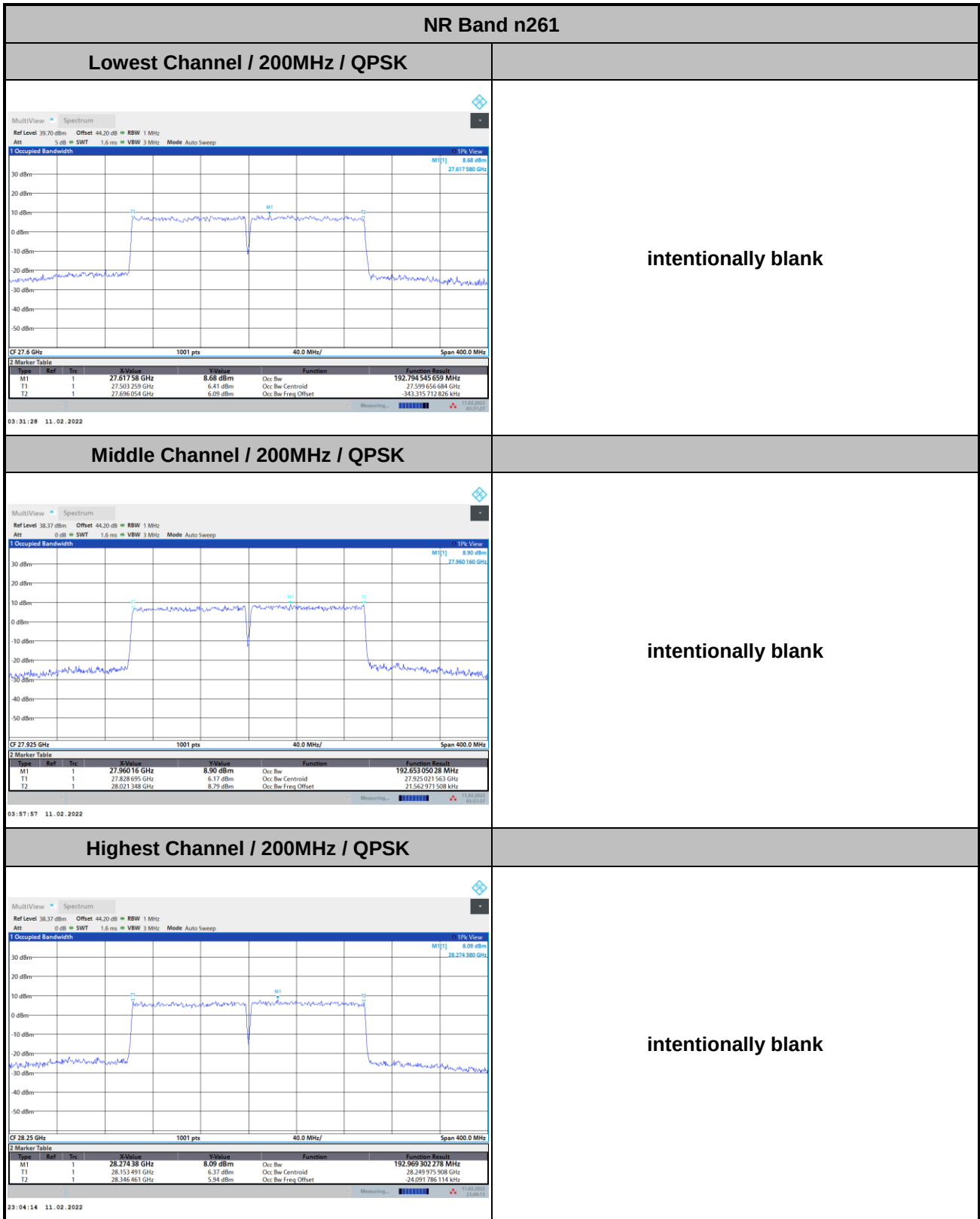


Highest Channel / 100MHz / QPSK





CP-OFDM Module 1



**Radiated Out of Band Emissions**

Mode			DFT-s-OFDM Module 1 NR Band n261 : BE (dBm) 1 RB											
BW			50MHz				100MHz				200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-11.82	-10.88	-12.43	-15.41	-6.95	-7.71	-8.67	-12.43	-15.00	-15.47	-14.06	-14.87
	>10%OB	≤ -13	-24.80	-24.08	-25.50	-28.66	-26.41	-26.17	-27.66	-29.65	-17.54	-16.13	-14.39	-14.77
High CH	0~10%OB	≤ -5	-14.58	-13.34	-15.30	-18.01	-9.97	-9.45	-10.95	-13.73	-18.03	-17.22	-17.07	-18.17
	>10%OB	≤ -13	-25.14	-24.90	-26.38	-29.23	-29.76	-29.08	-31.02	-32.00	-18.90	-17.96	-17.07	-17.59
Result			Compliance											

Mode			CP-OFDM Module 1 NR Band n261 : BE (dBm) 1 RB			
BW			50MHz	100MHz	200MHz	
Limit (dBm)			QPSK	QPSK	QPSK	
Low CH	0~10%OB	≤-5	-14.34	-10.63	-17.52	
	>10%OB	≤-13	-28.42	-28.36	-16.39	
High CH	0~10%OB	≤-5	-19.02	-13.98	-19.87	
	>10%OB	≤-13	-30.01	-32.63	-16.27	
Result			Compliance			

Mode			DFT-s-OFDM Module 1 NR Band n261 : BE (dBm) Full RB											
BW			50MHz				100MHz				200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-20.85	-17.36	-22.02	-25.49	-21.85	-19.84	-23.22	-25.25	-25.24	-23.98	-26.70	-27.57
	>10%OB	≤ -13	-24.17	-19.18	-23.94	-27.79	-26.35	-22.67	-27.25	-29.81	-27.49	-26.51	-28.60	-31.30
High CH	0~10%OB	≤ -5	-20.53	-17.26	-22.86	-25.58	-24.53	-21.42	-26.08	-29.14	-28.46	-28.23	-30.37	-32.39
	>10%OB	≤ -13	-23.29	-18.88	-24.14	-27.97	-26.90	-23.29	-27.72	-30.74	-29.88	-29.33	-31.28	-32.63
Result			Compliance											

Mode			CP-OFDM Module 1 NR Band n261 : BE (dBm) Full RB			
BW			50MHz	100MHz		200MHz
Limit (dBm)			QPSK	QPSK		QPSK
Low CH	0~10%OB	≤-5	-20.50	-23.09		-29.33
	>10%OB	≤-13	-24.05	-25.83		-31.30
High CH	0~10%OB	≤-5	-22.56	-25.45		-32.13
	>10%OB	≤-13	-24.36	-27.71		-33.53
Result			Compliance			