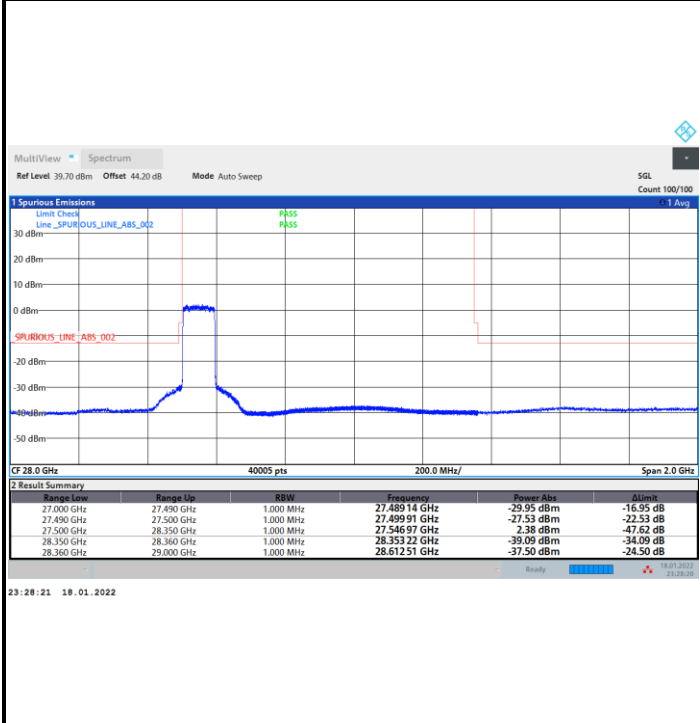




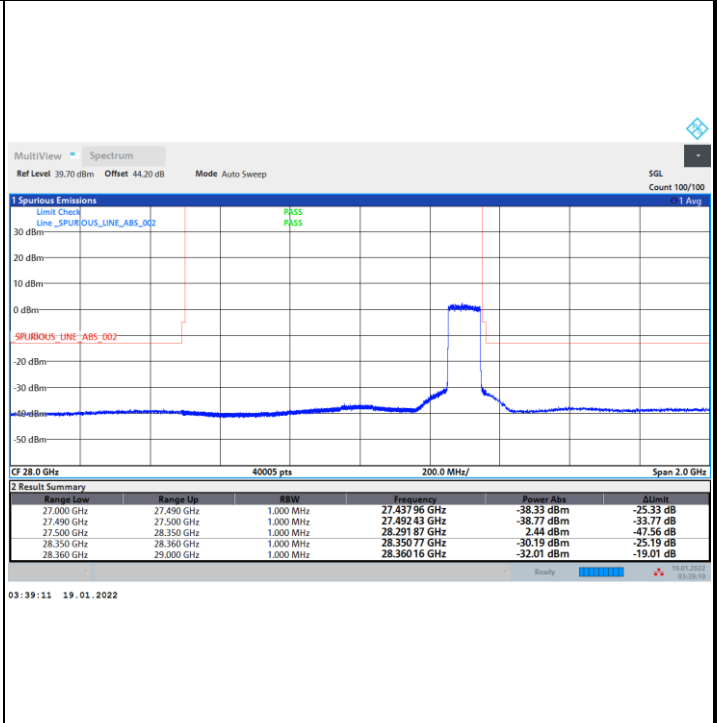
DFT-s-OFDM Module 0

NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / Full RB

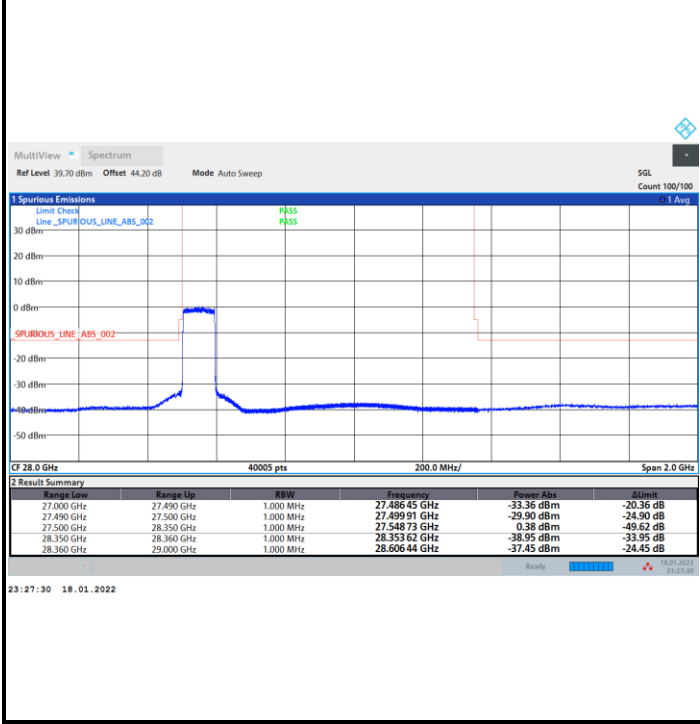


Highest Band Edge / Full RB

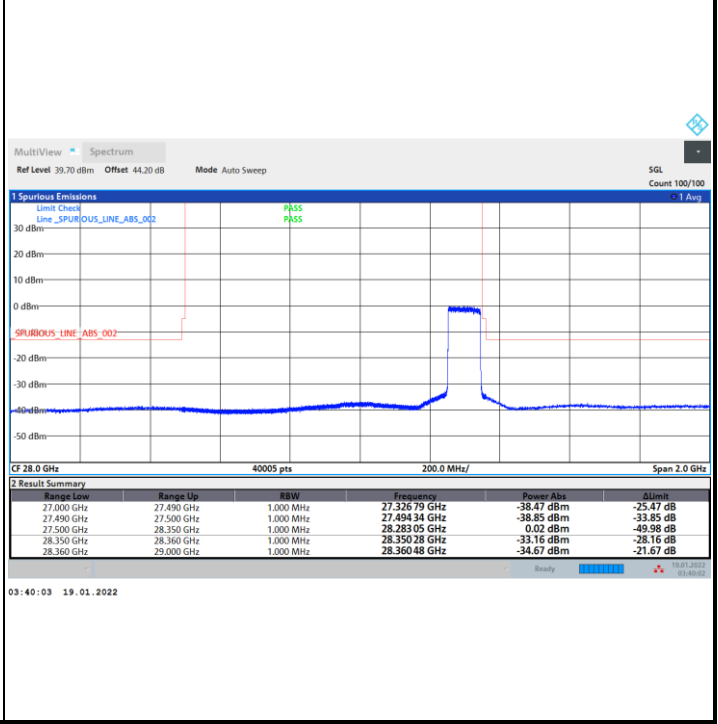


NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / Full RB

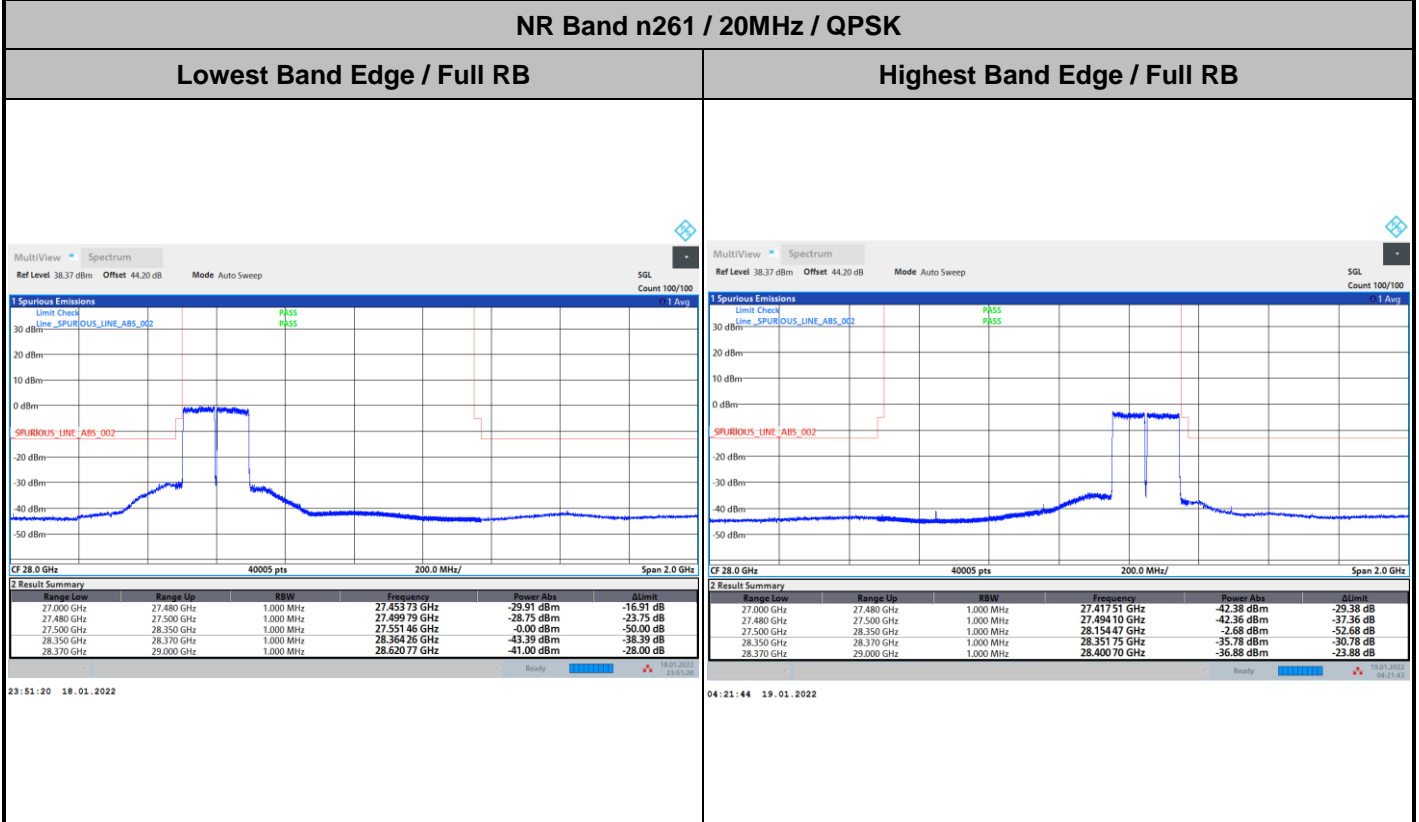
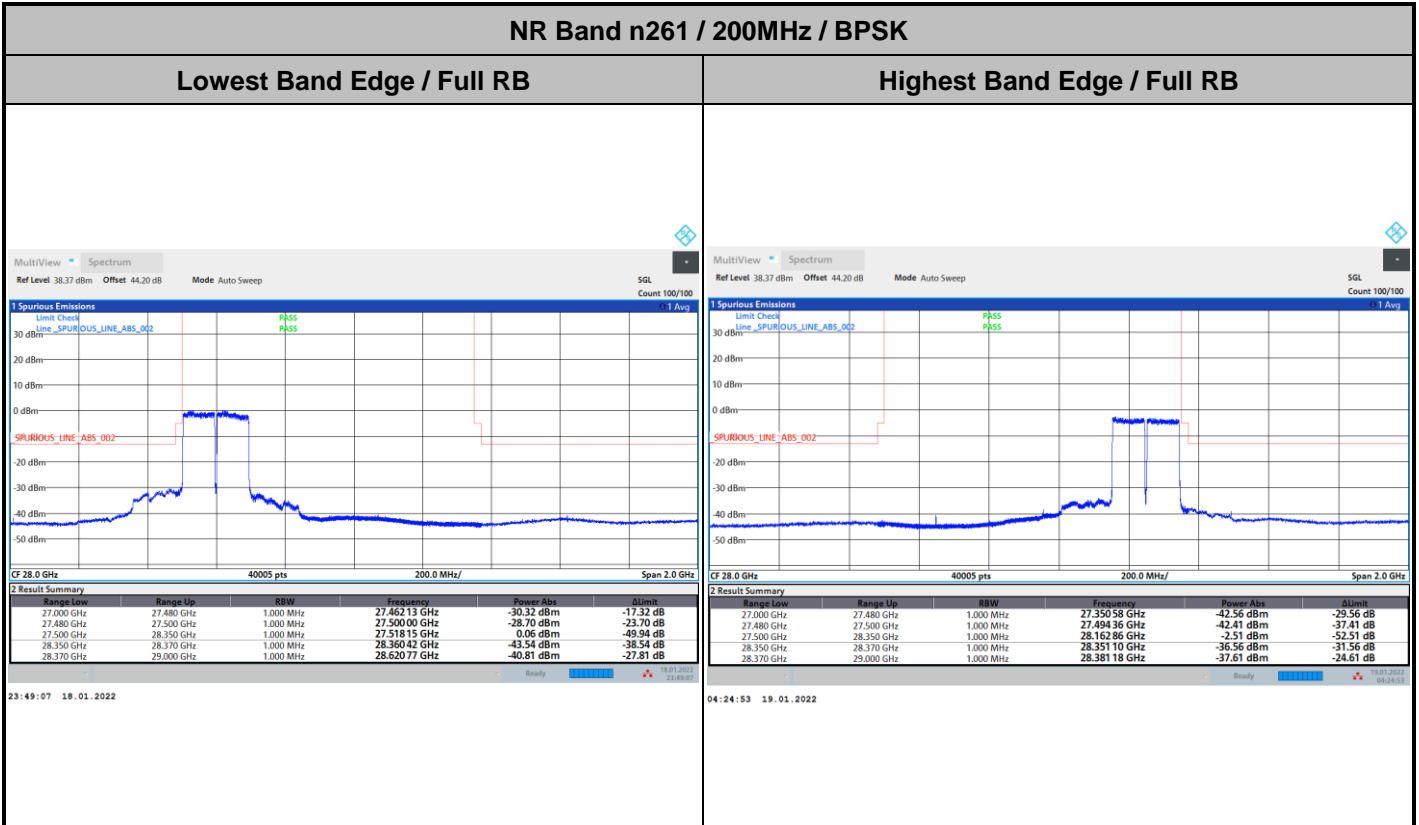


Highest Band Edge / Full RB





DFT-s-OFDM Module 0

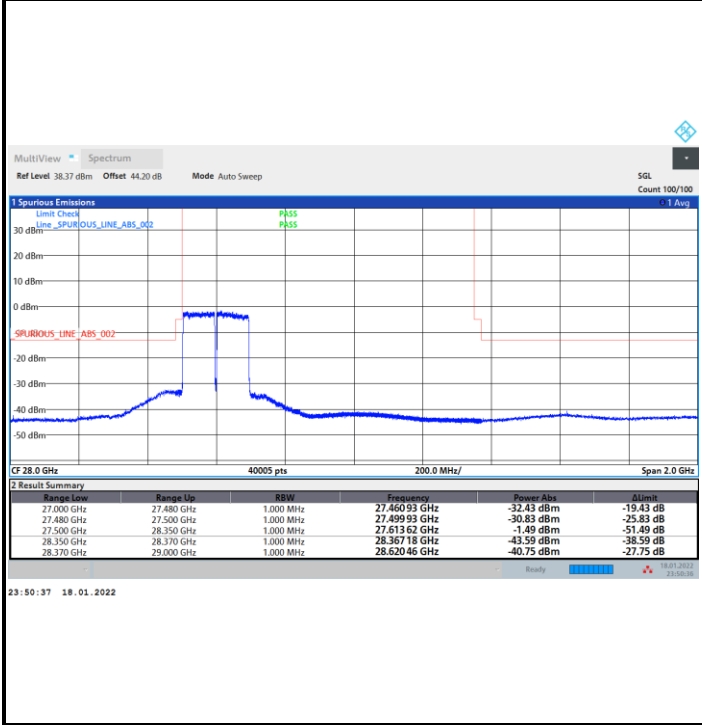




DFT-s-OFDM Module 0

NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / Full RB

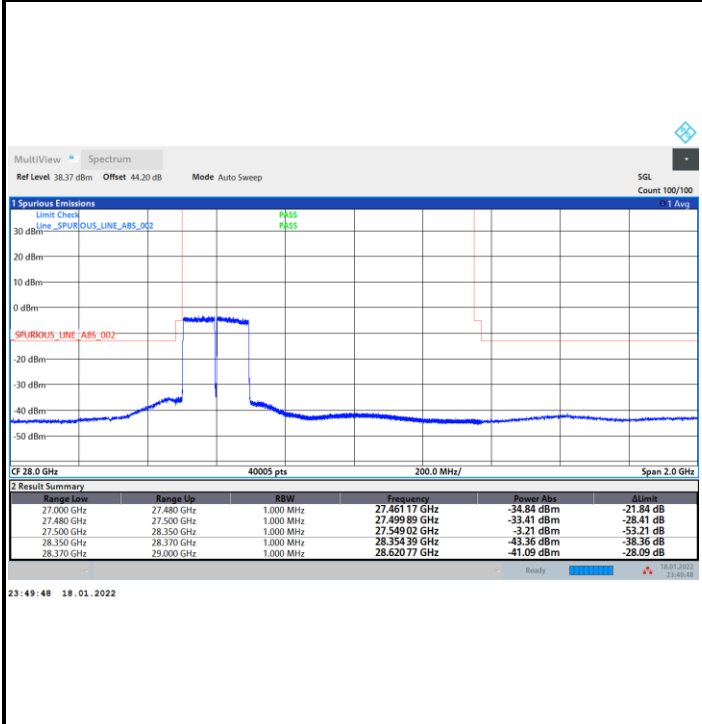


Highest Band Edge / Full RB



NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

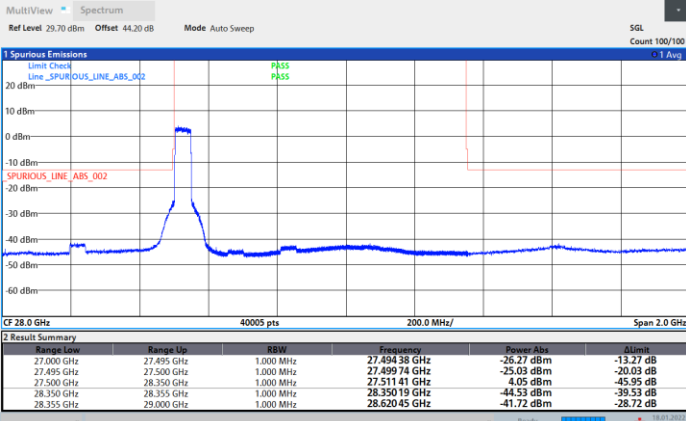




CP-OFDM Module 0

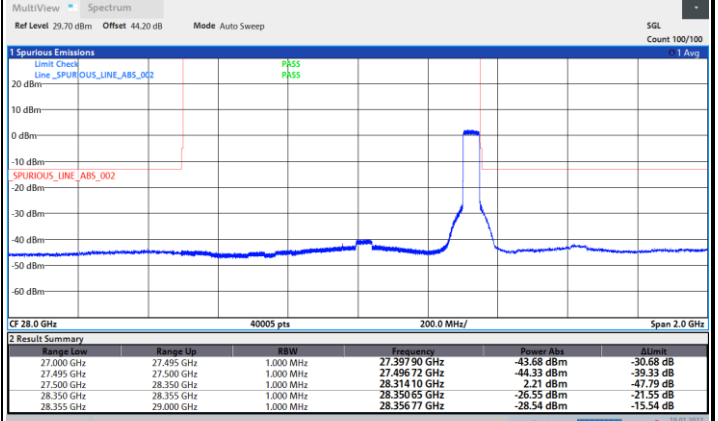
NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB



23:05:57 18.01.2022

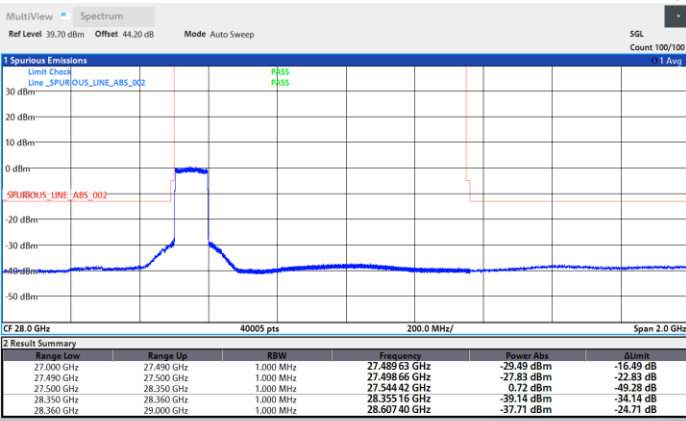
Highest Band Edge / Full RB



03:31:25 19.01.2022

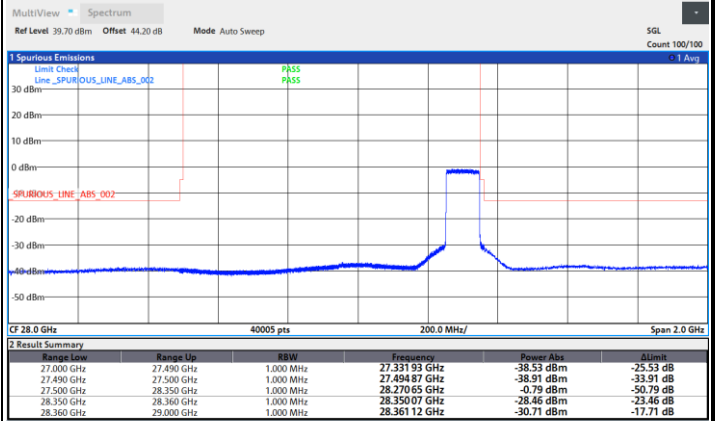
NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



23:29:43 18.01.2022

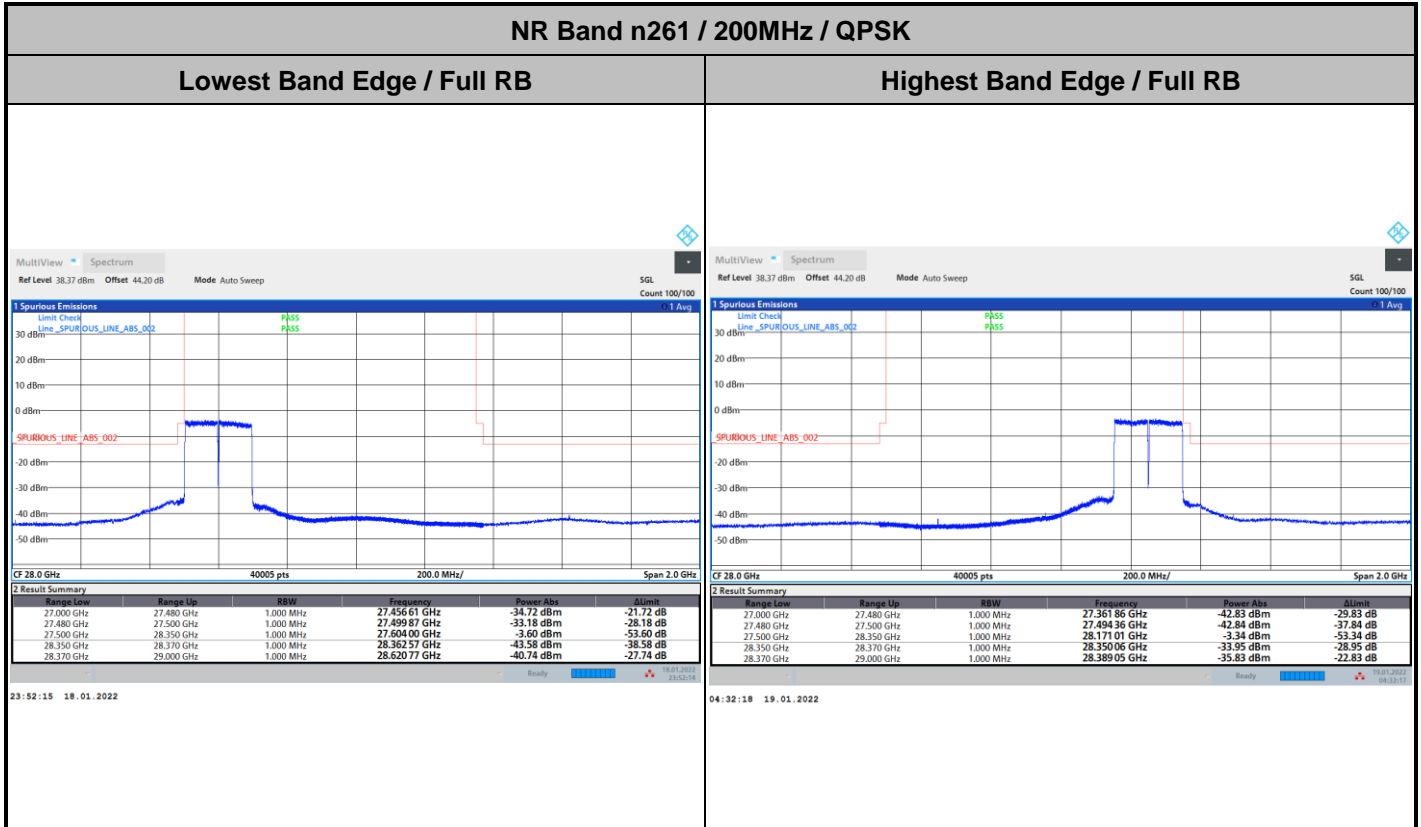
Highest Band Edge / Full RB



03:49:01 19.01.2022



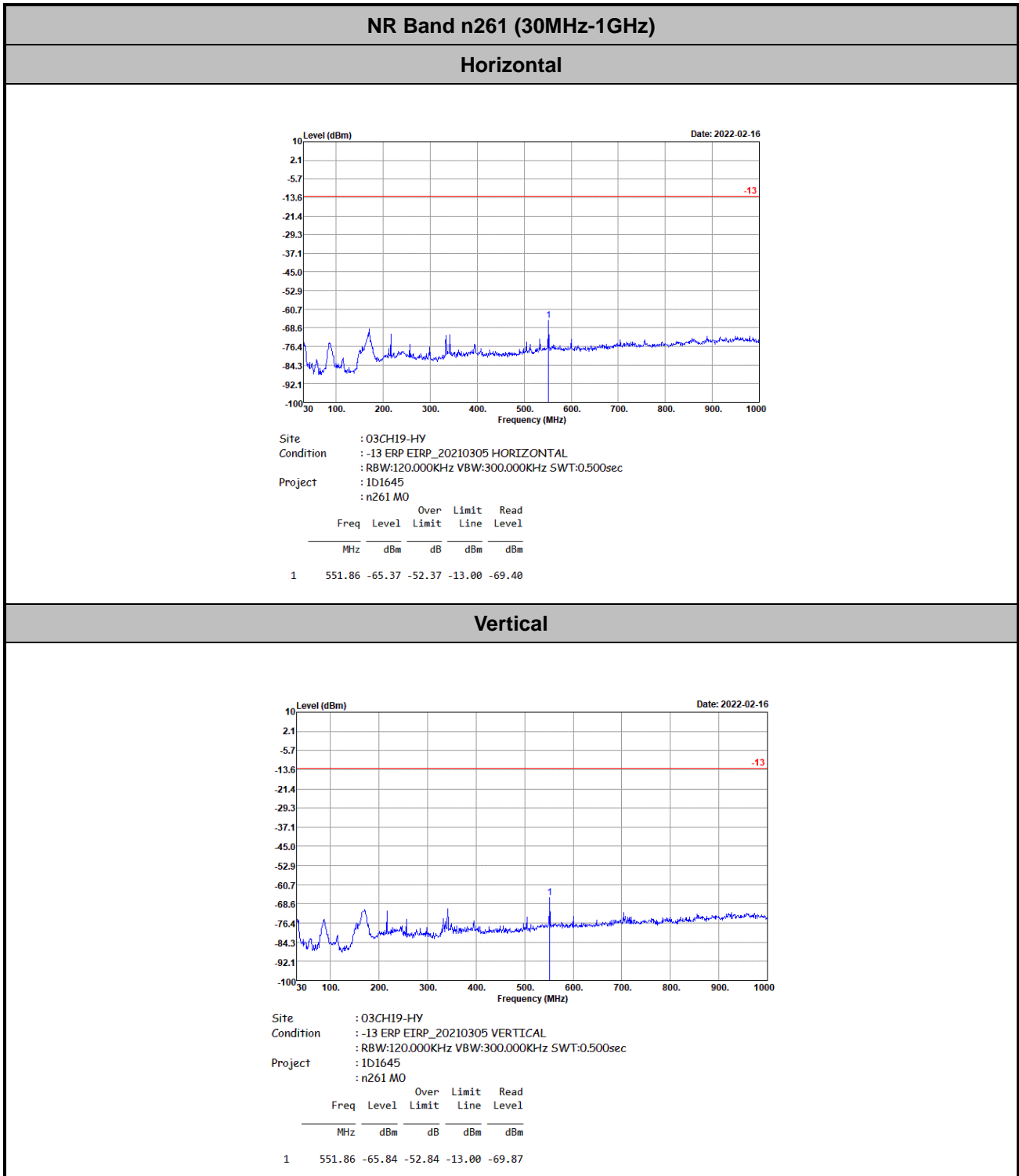
CP-OFDM Module 0





Spurious Emission

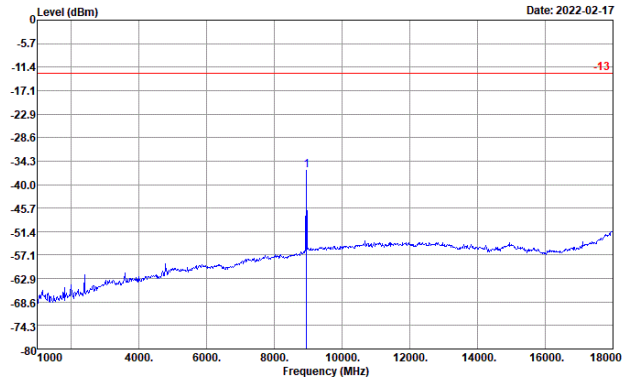
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.





NR Band n261 (1GHz-18GHz)

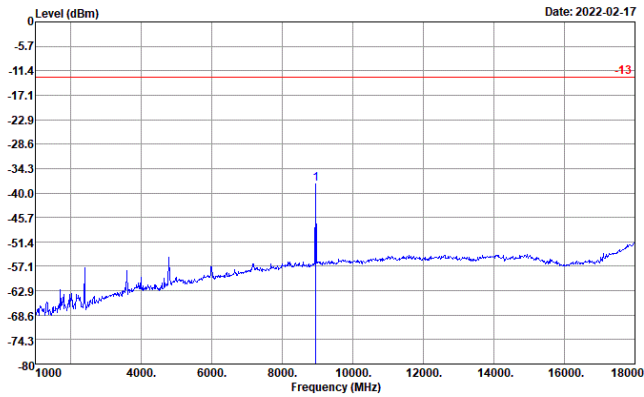
Horizontal



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	Level	
MHz	dBm	dB	dBm	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	Level	
MHz	dBm	dB	dBm	dBm	
1	8956.00	-37.81	-24.81	-13.00	-62.97

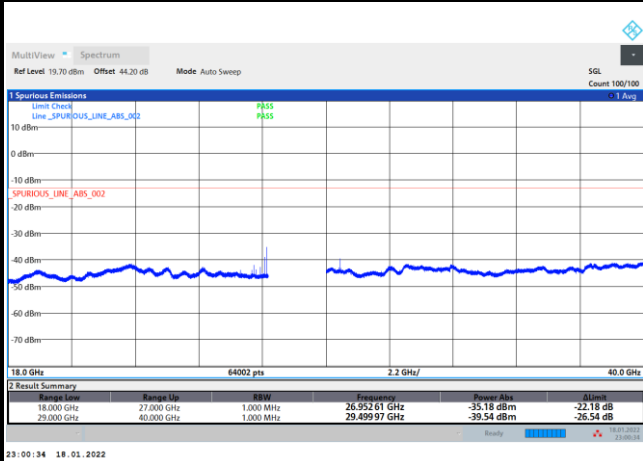


Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

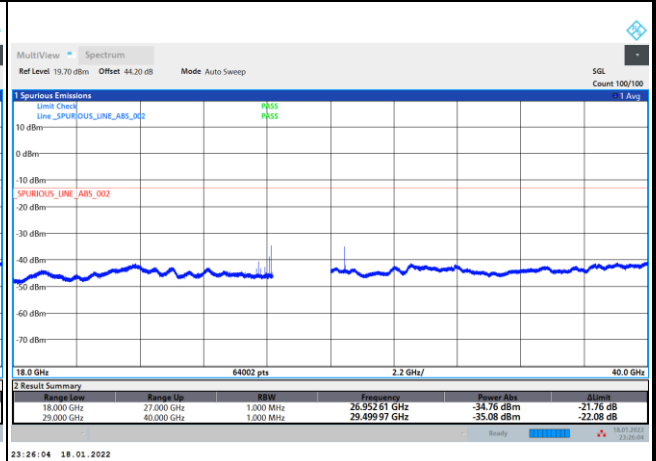
DFT-s-OFDM Module 0

NR Band n261 BPSK (18-40GHz)

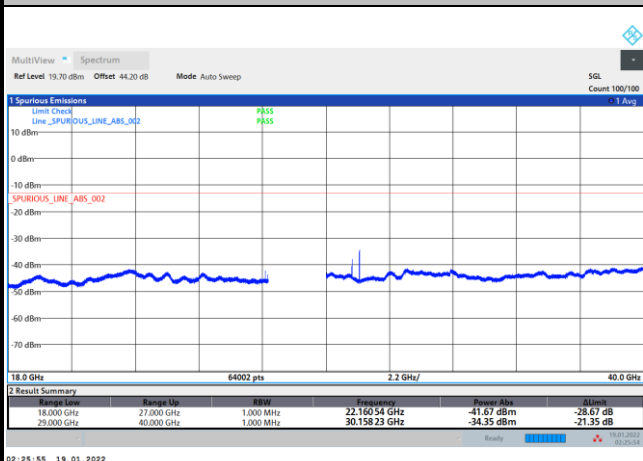
Lowest Channel / 50MHz



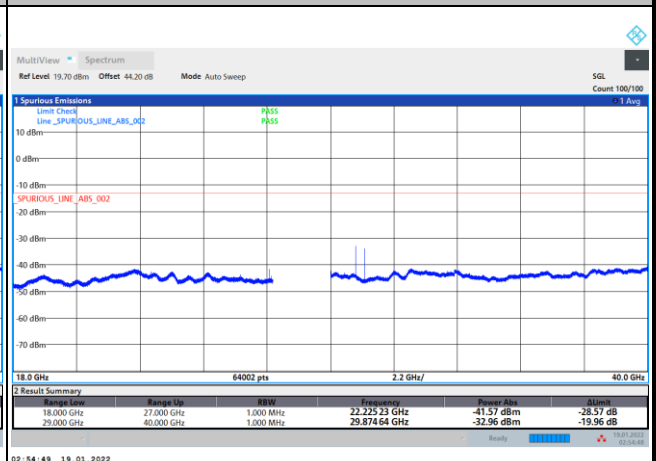
Lowest Channel / 100MHz



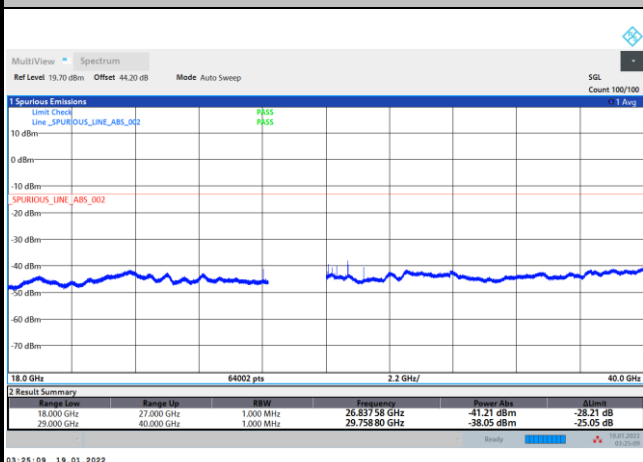
Middle Channel / 50MHz



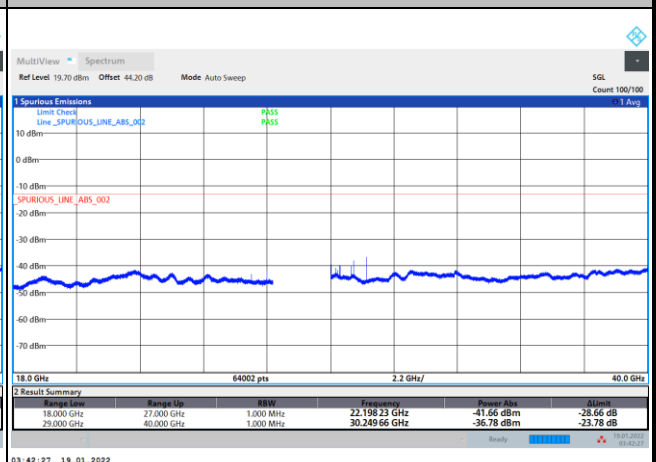
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz



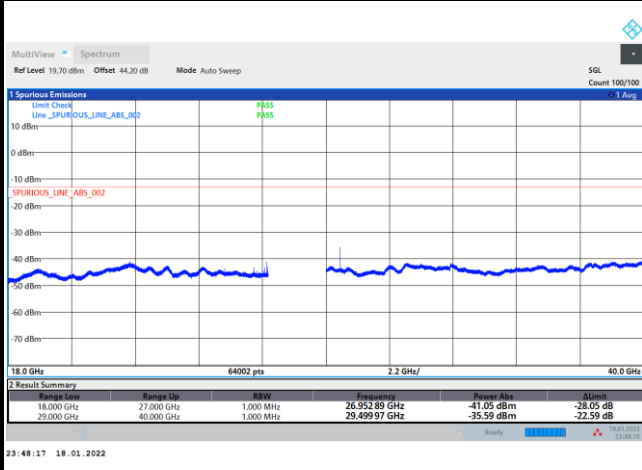
Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module 0

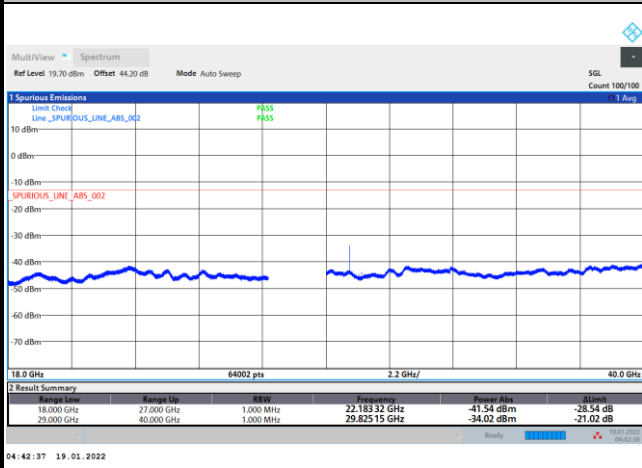
NR Band n261 BPSK (18-40GHz)

Lowest Channel / 200MHz



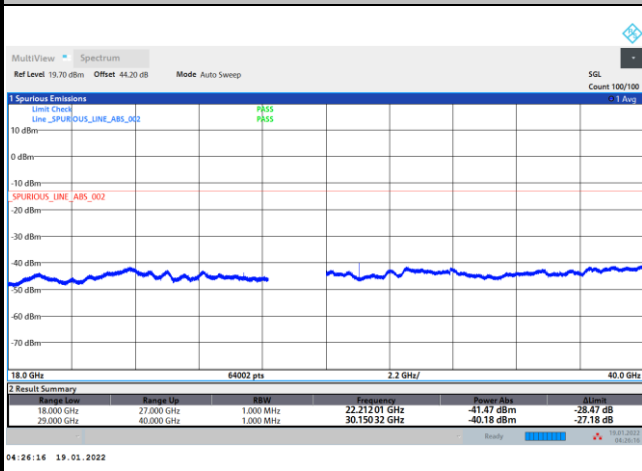
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz



intentionally blank

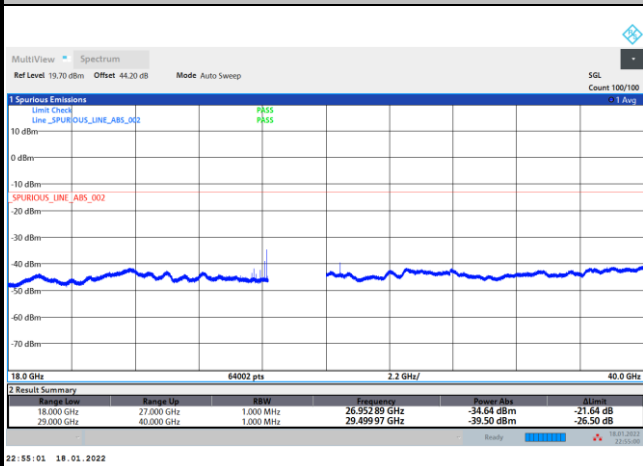
Remark: In band and out of band frequencies are omitted.



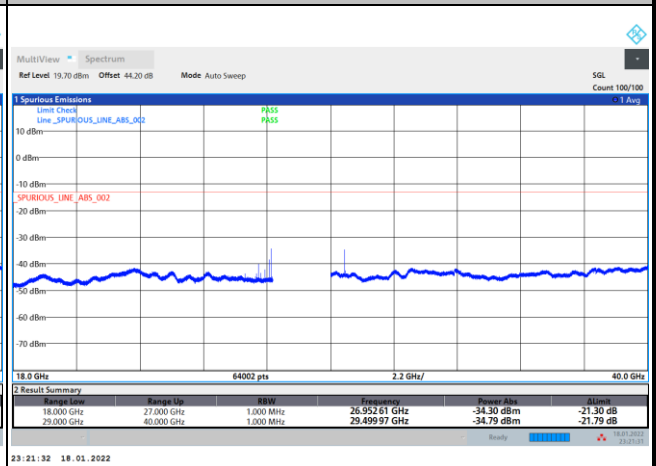
DFT-s-OFDM Module 0

NR Band n261 QPSK (18-40GHz)

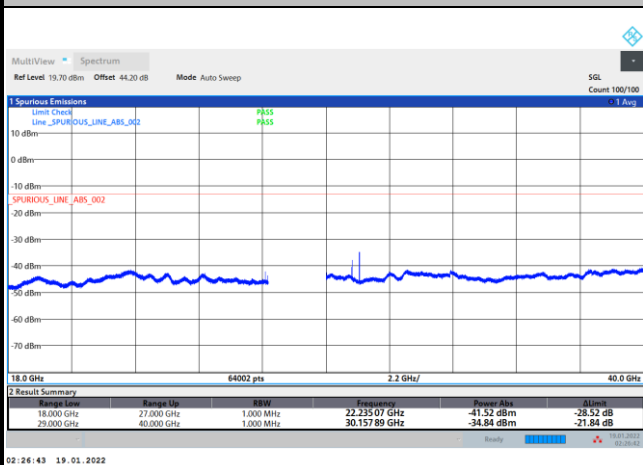
Lowest Channel / 50MHz



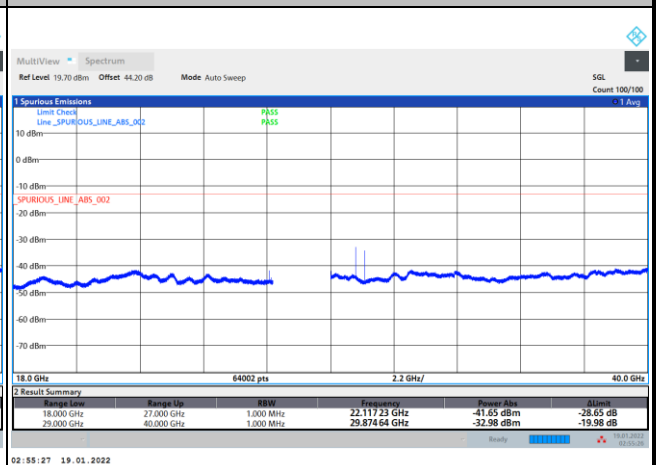
Lowest Channel / 100MHz



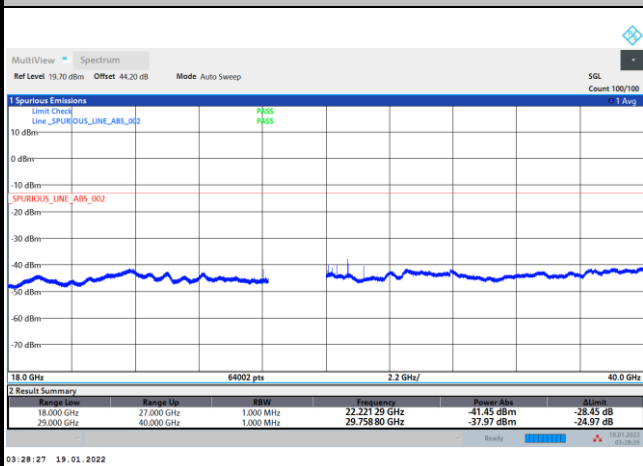
Middle Channel / 50MHz



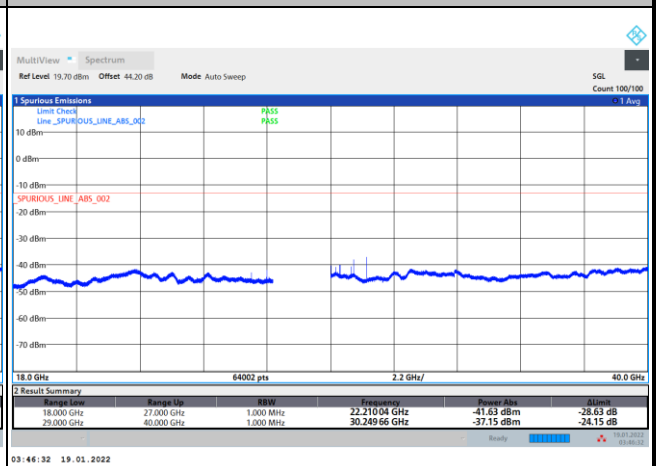
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz



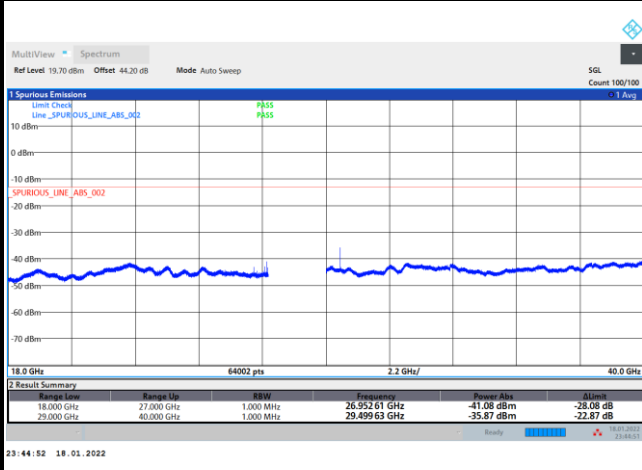
Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module 0

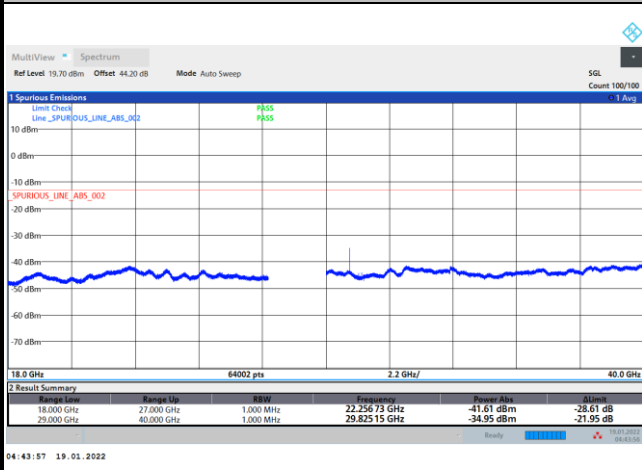
NR Band n261 QPSK (18-40GHz)

Lowest Channel / 200MHz



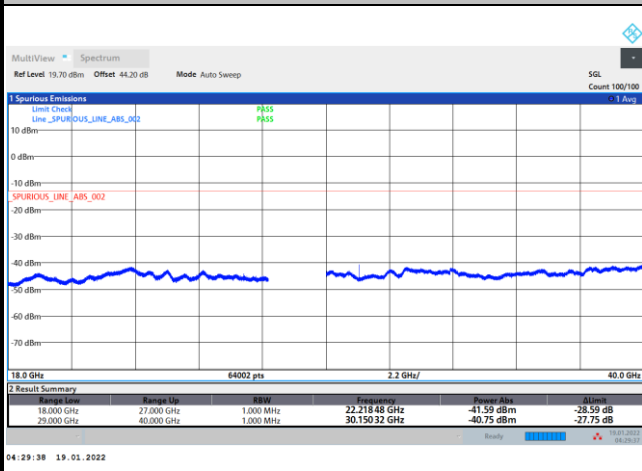
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz



intentionally blank

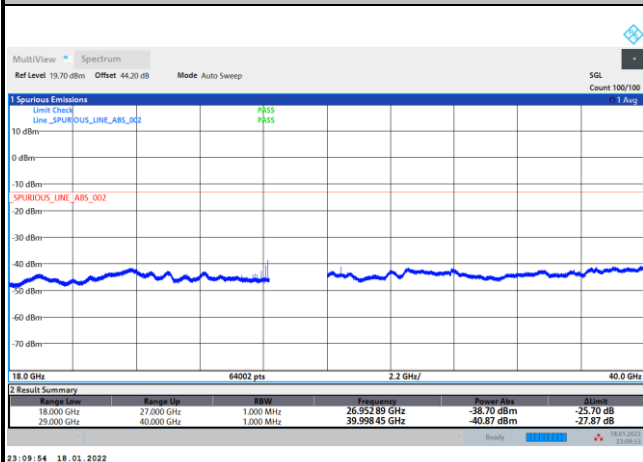
Remark: In band and out of band frequencies are omitted.



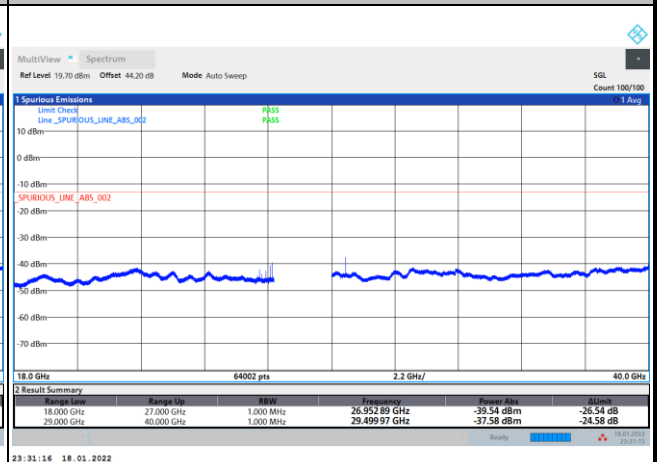
CP-OFDM Module 0

NR Band n261 QPSK (18-40GHz)

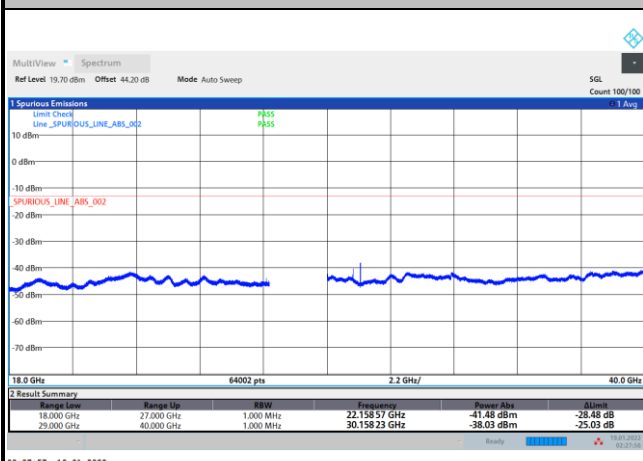
Lowest Channel / 50MHz



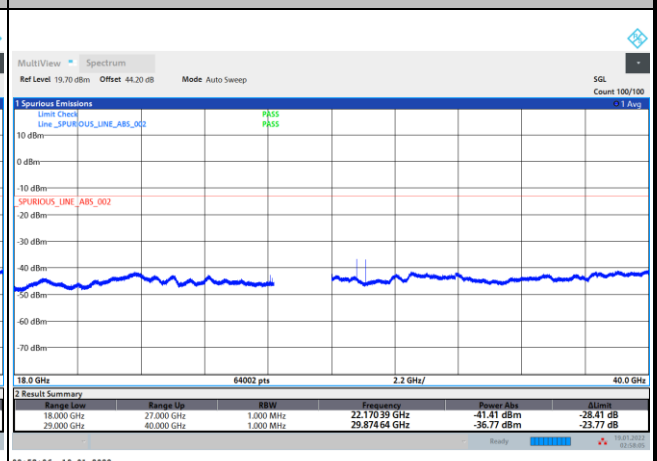
Lowest Channel / 100MHz



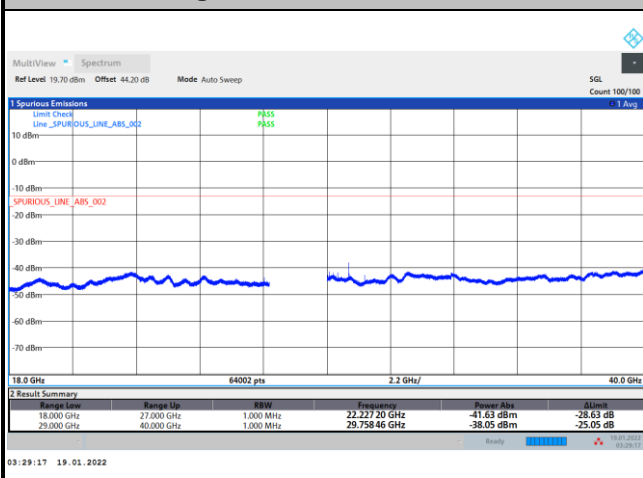
Middle Channel / 50MHz



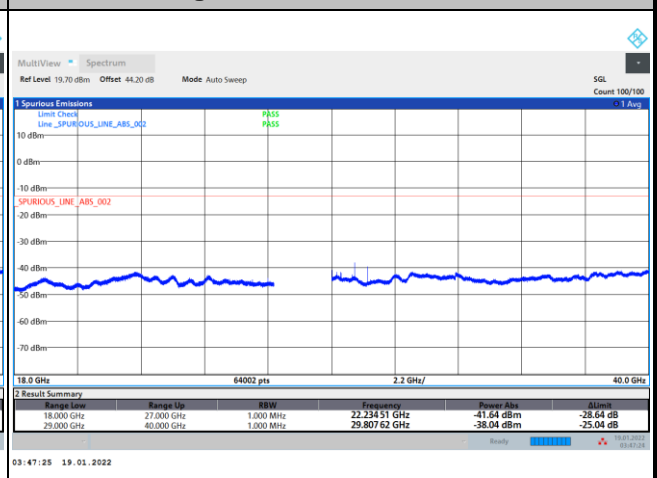
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz



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



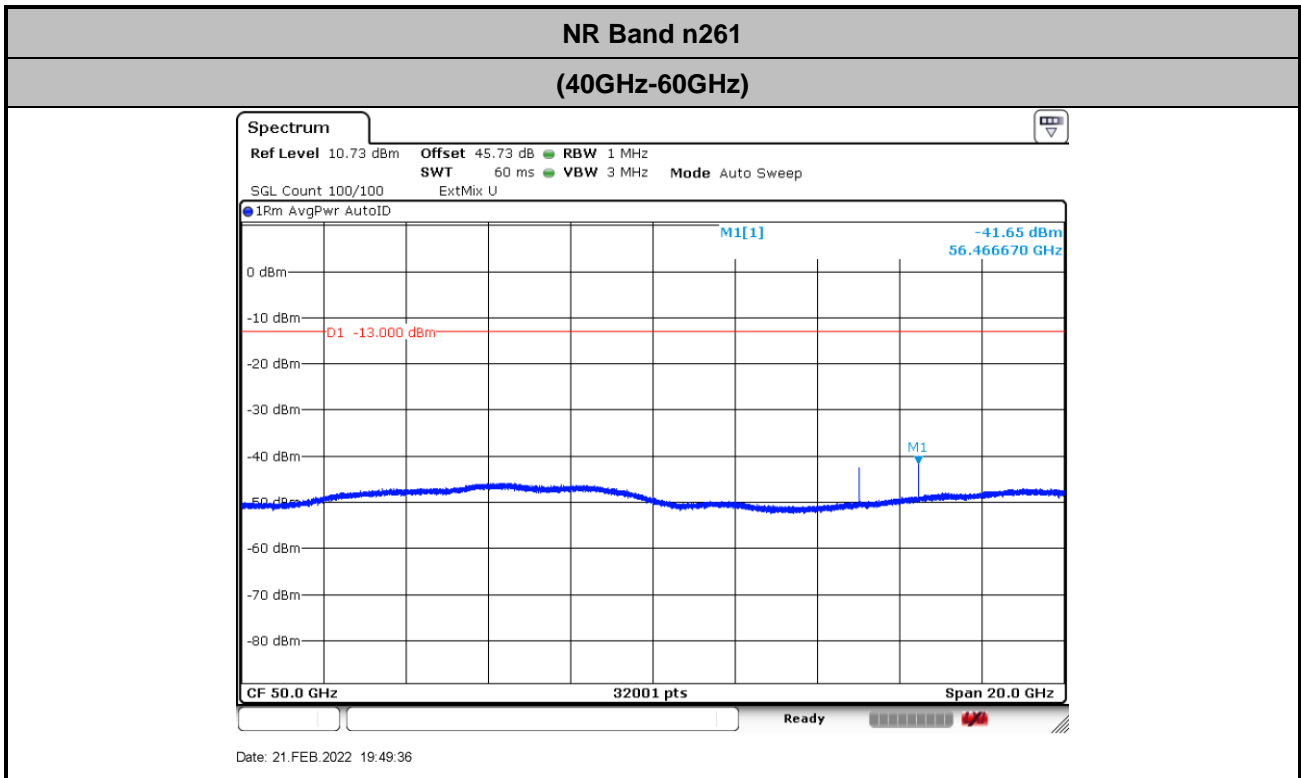
CP-OFDM Module 0

NR Band n261 QPSK (18-40GHz)	
<p>Lowest Channel / 200MHz</p>	<p>intentionally blank</p>
<p>Middle Channel / 200MHz</p>	<p>intentionally blank</p>
<p>Highest Channel / 200MHz</p>	<p>intentionally blank</p>

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

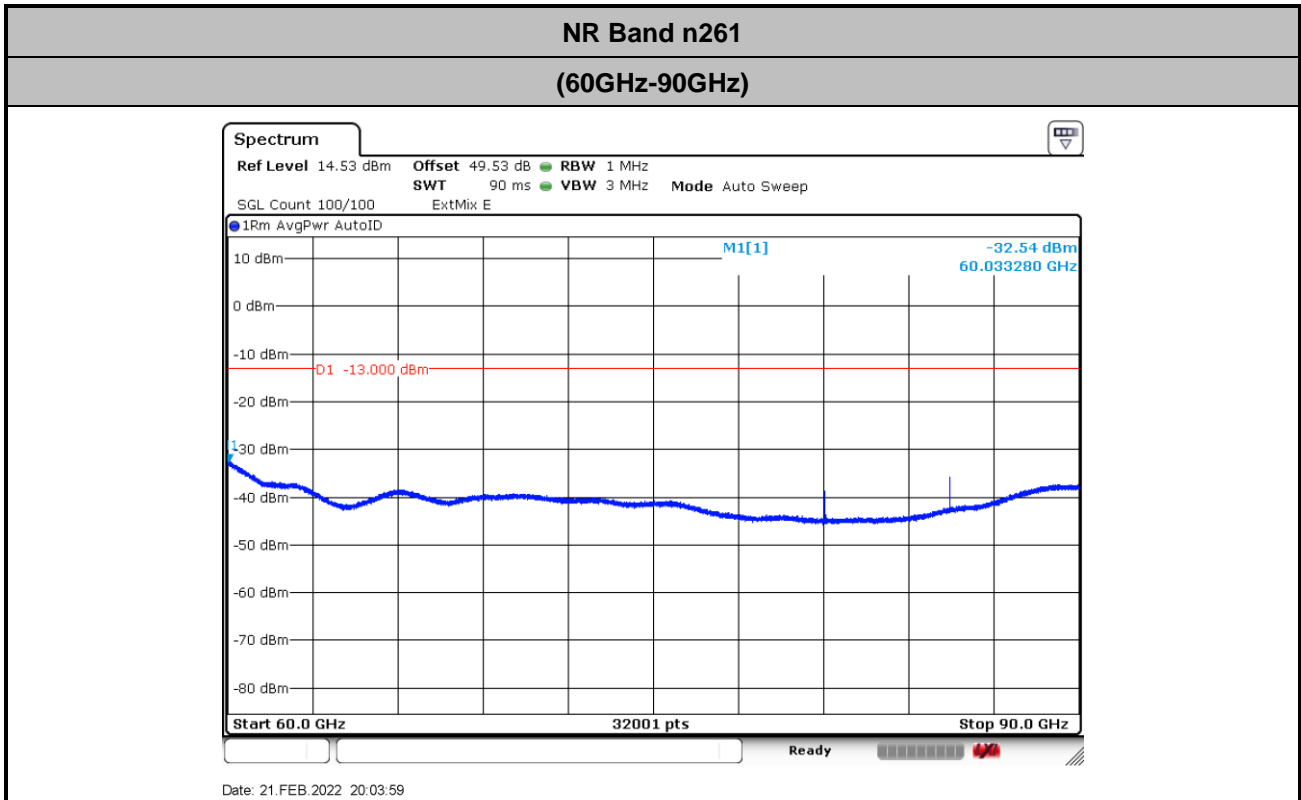


There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.

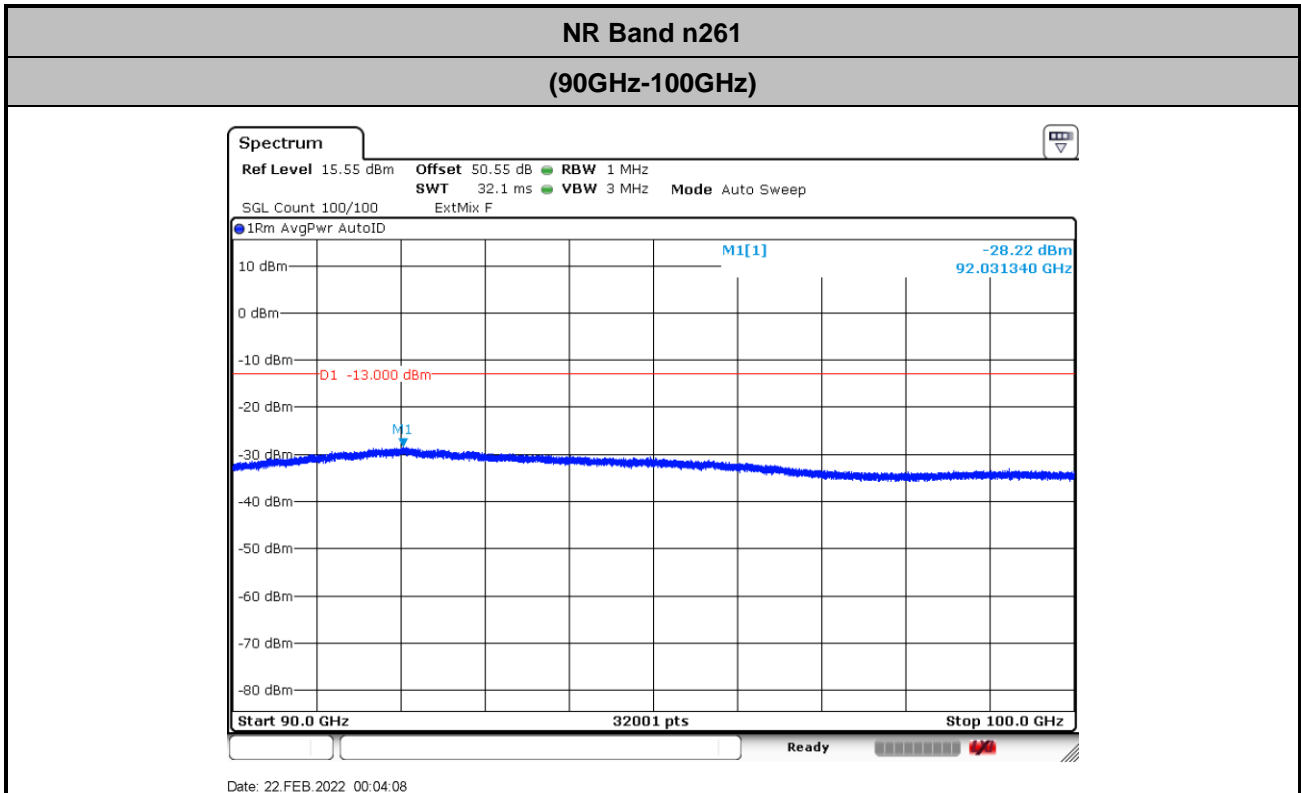


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

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



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



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



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

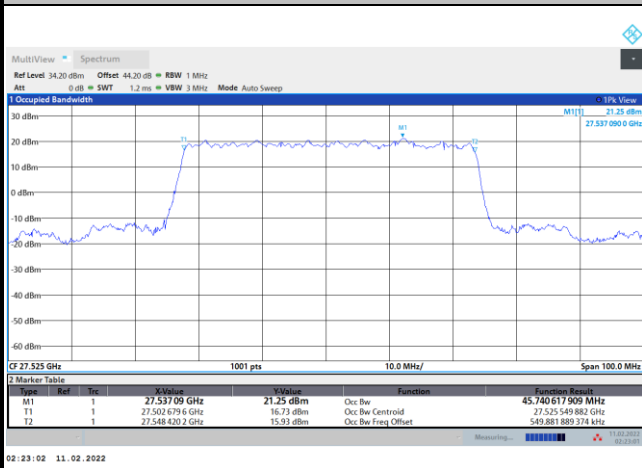
Mode	CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	46.03	94.18	192.79
Middle CH	45.96	94.25	192.65
Highest CH	46.00	94.16	192.96



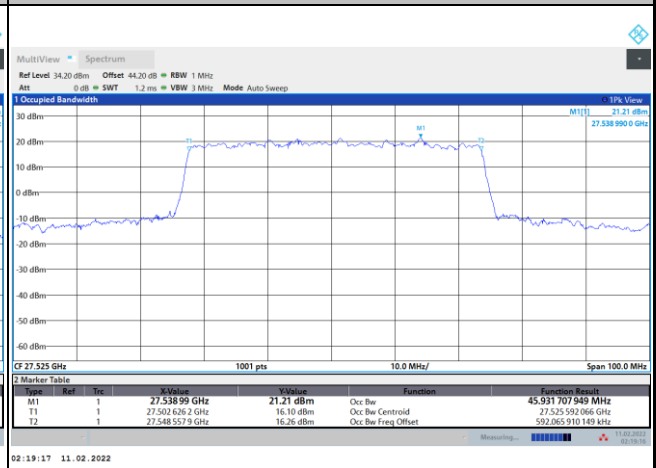
DFT-s-OFDM Module 1

NR Band n261

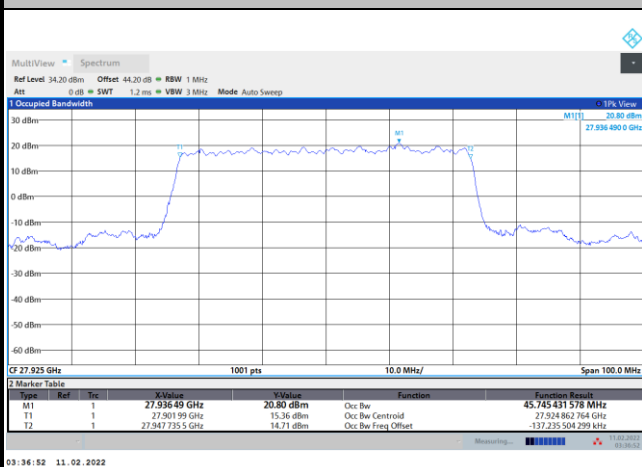
Lowest Channel / 50MHz / BPSK



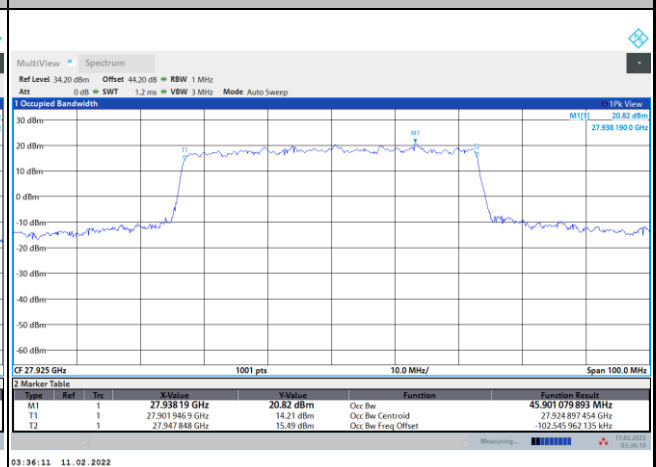
Lowest Channel / 50MHz / QPSK



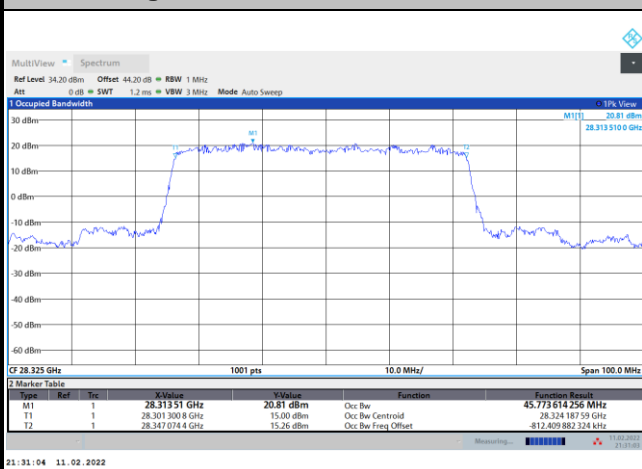
Middle Channel / 50MHz / BPSK



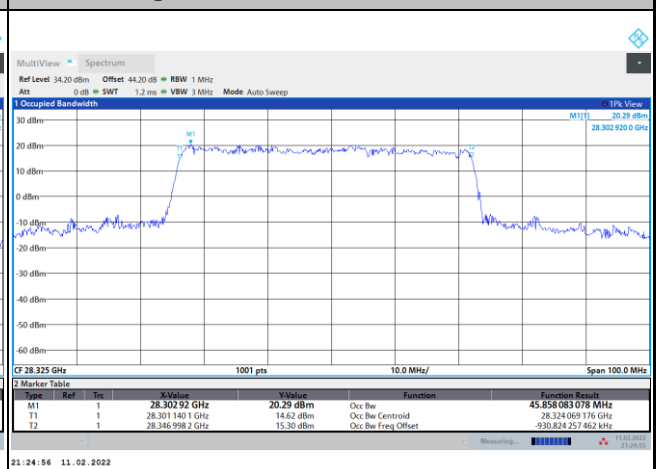
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK



Highest Channel / 50MHz / QPSK

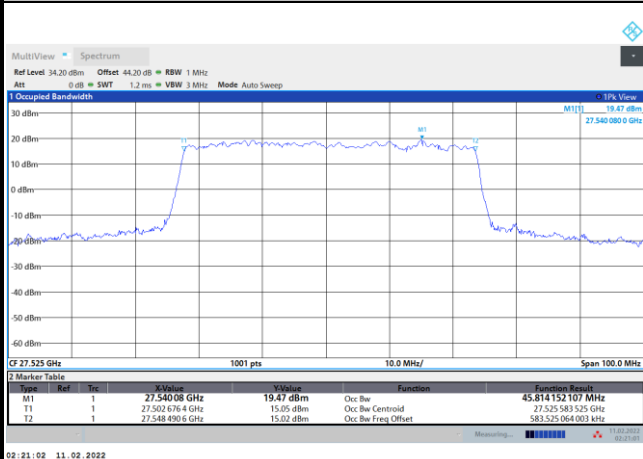




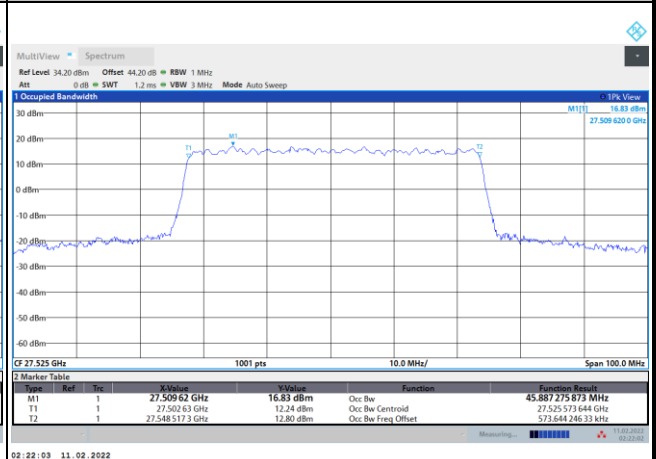
DFT-s-OFDM Module 1

NR Band n261

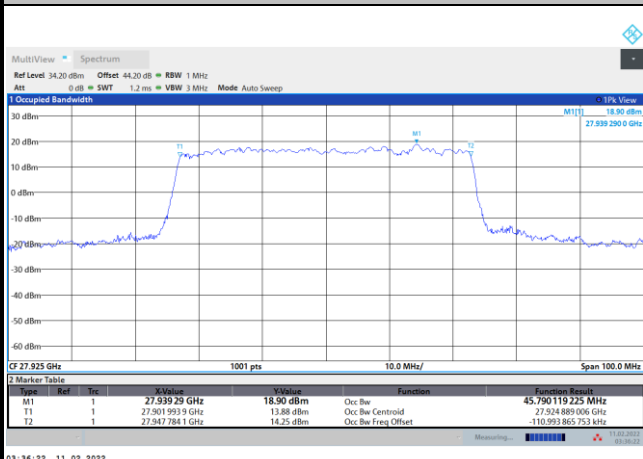
Lowest Channel / 50MHz / 16QAM



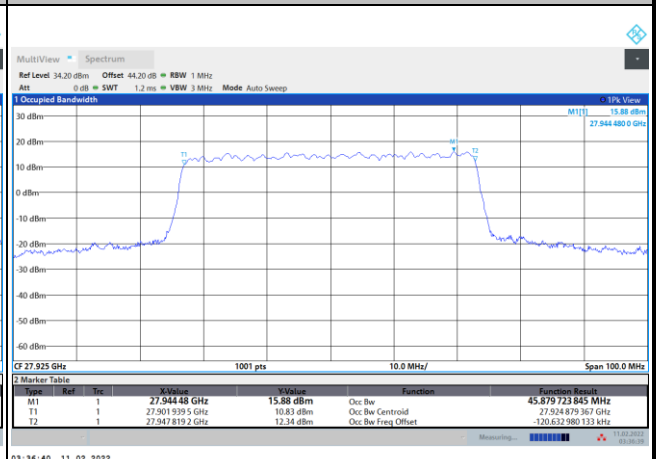
Lowest Channel / 50MHz / 64QAM



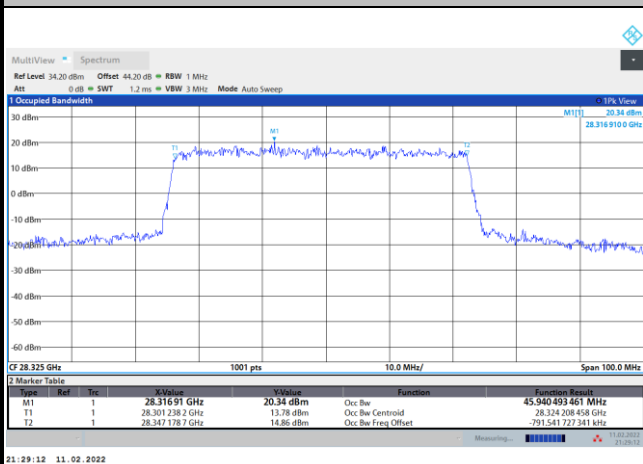
Middle Channel / 50MHz / 16QAM



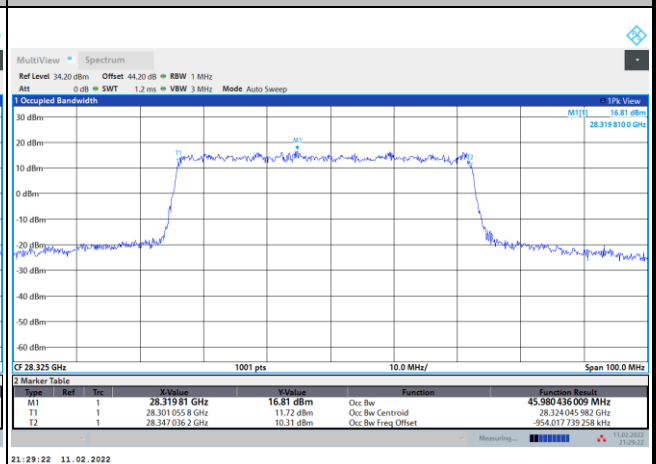
Middle Channel / 50MHz / 64QAM



Highest Channel / 50MHz / 16QAM



Highest Channel / 50MHz / 64QAM

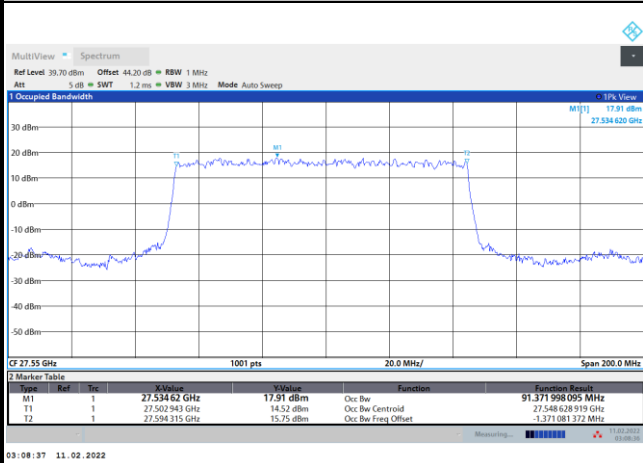




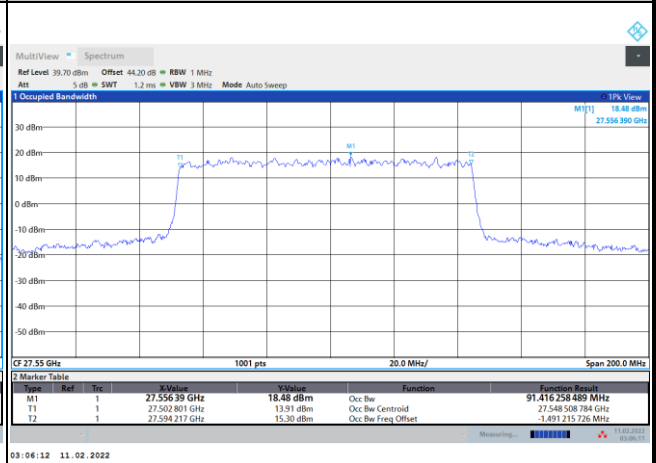
DFT-s-OFDM Module 1

NR Band n261

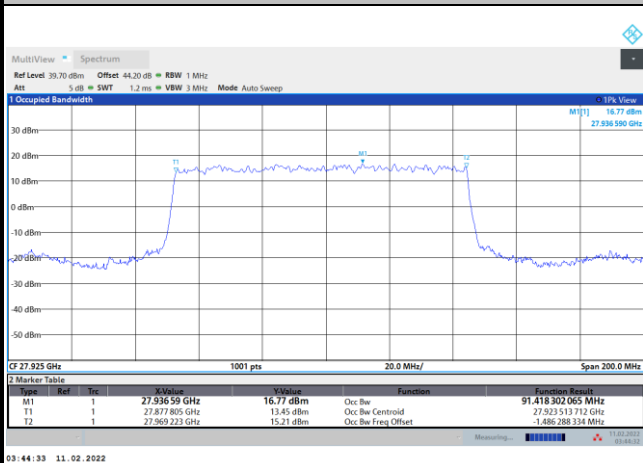
Lowest Channel / 100MHz / BPSK



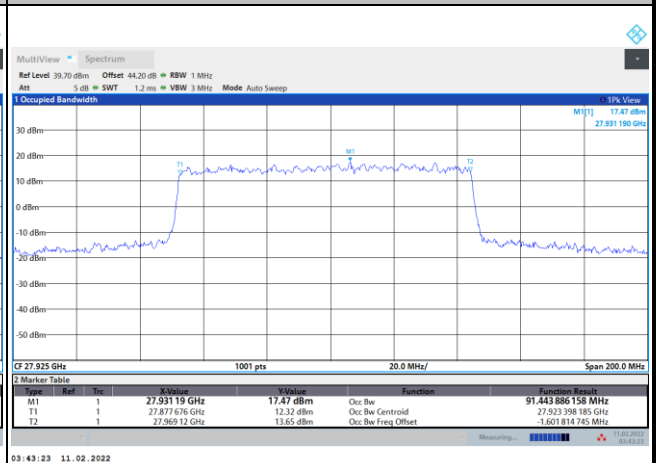
Lowest Channel / 100MHz / QPSK



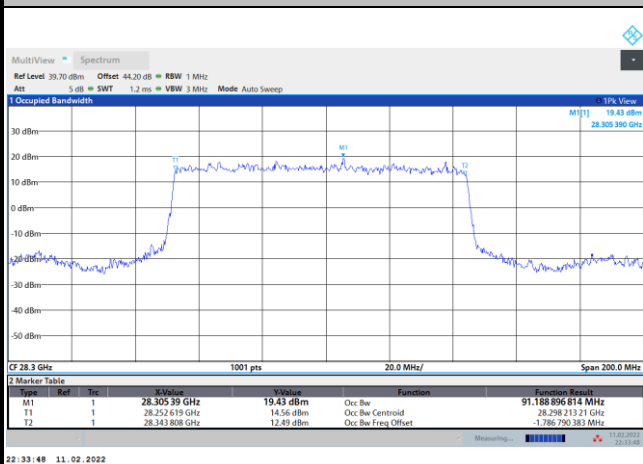
Middle Channel / 100MHz / BPSK



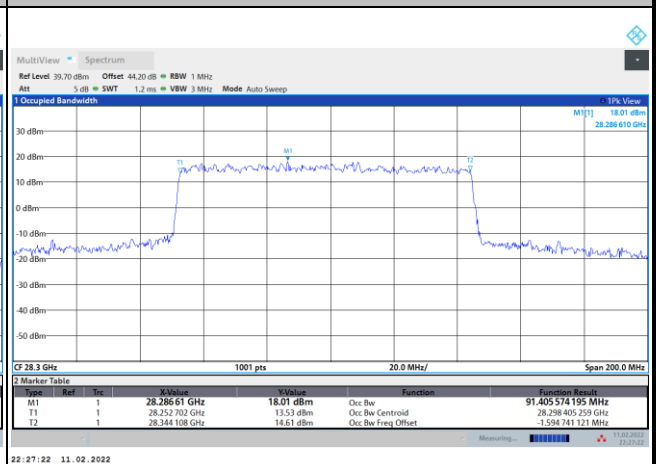
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK



Highest Channel / 100MHz / QPSK

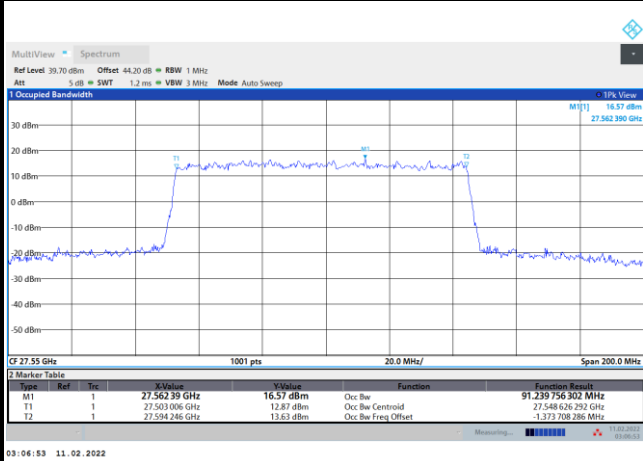




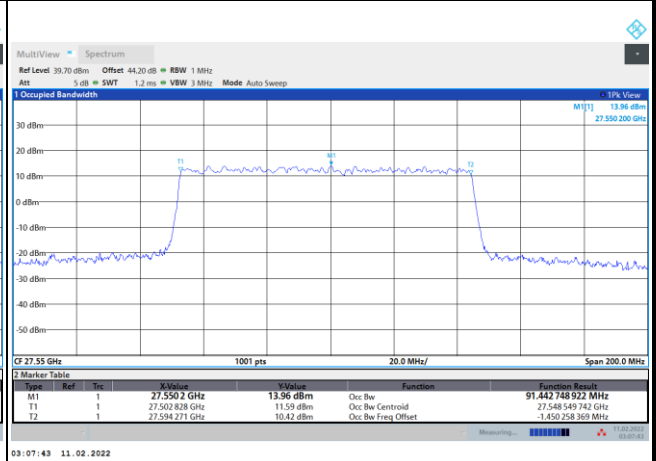
DFT-s-OFDM Module 1

NR Band n261

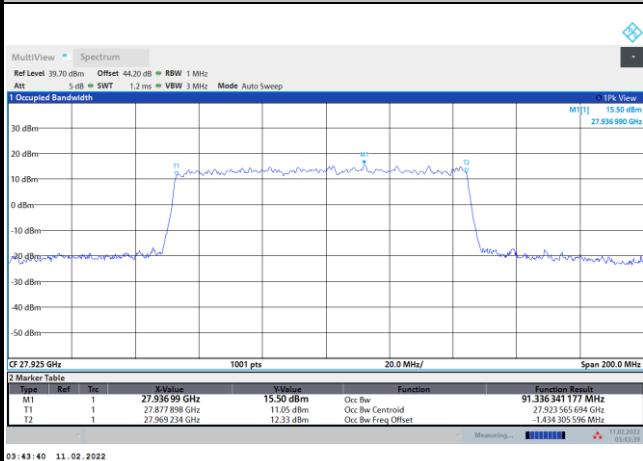
Lowest Channel / 100MHz / 16QAM



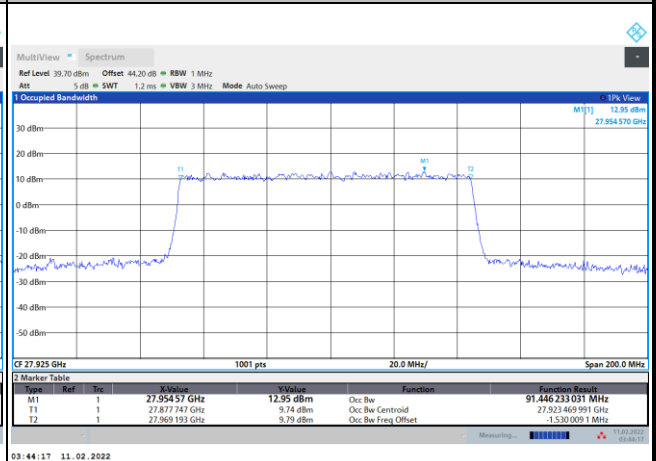
Lowest Channel / 100MHz / 64QAM



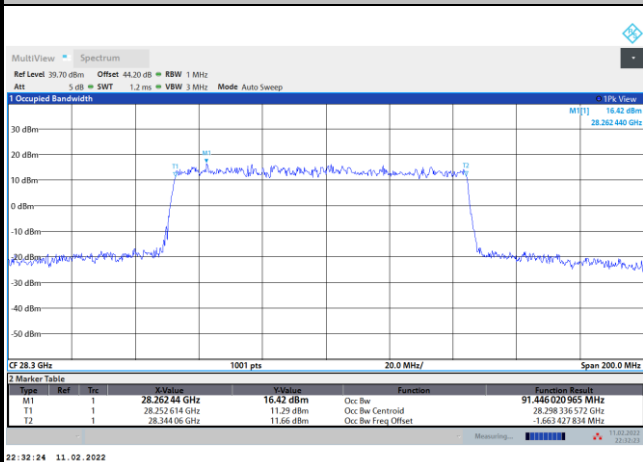
Middle Channel / 100MHz / 16QAM



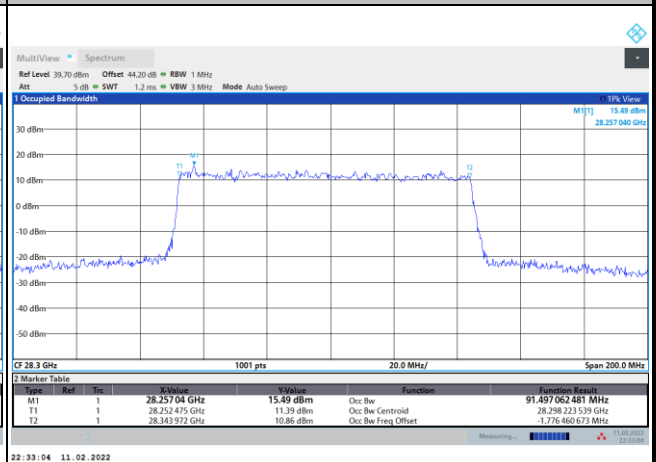
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

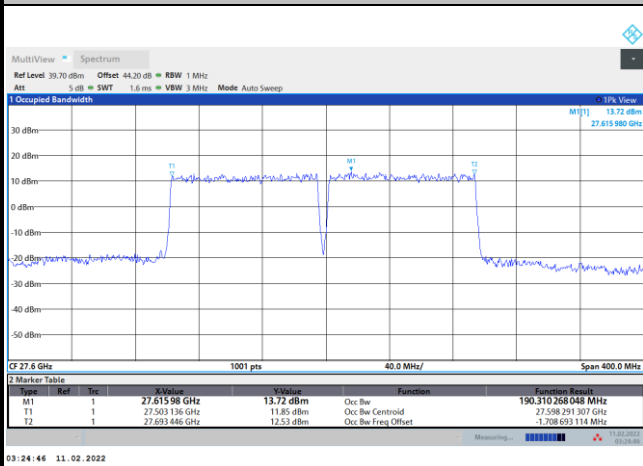




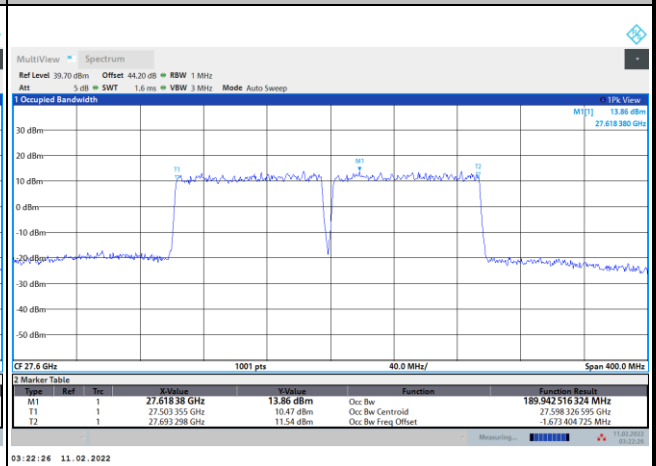
DFT-s-OFDM Module 1

NR Band n261

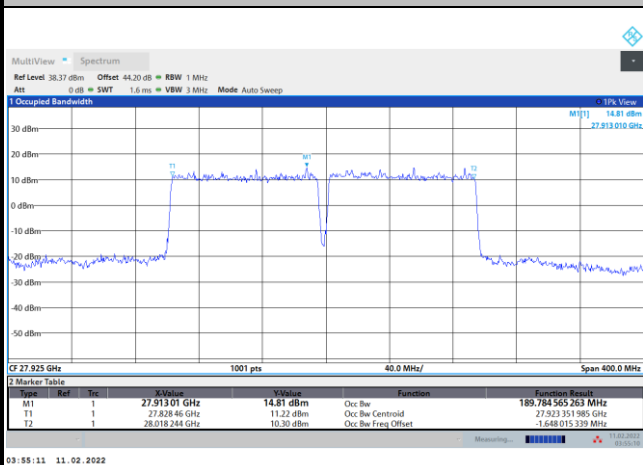
Lowest Channel / 200MHz / BPSK



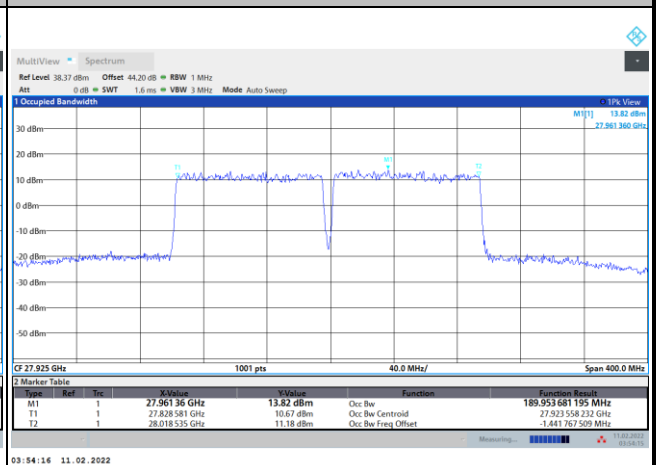
Lowest Channel / 200MHz / QPSK



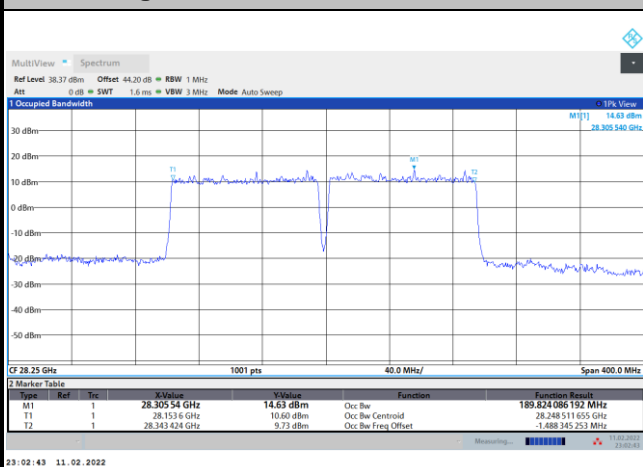
Middle Channel / 200MHz / BPSK



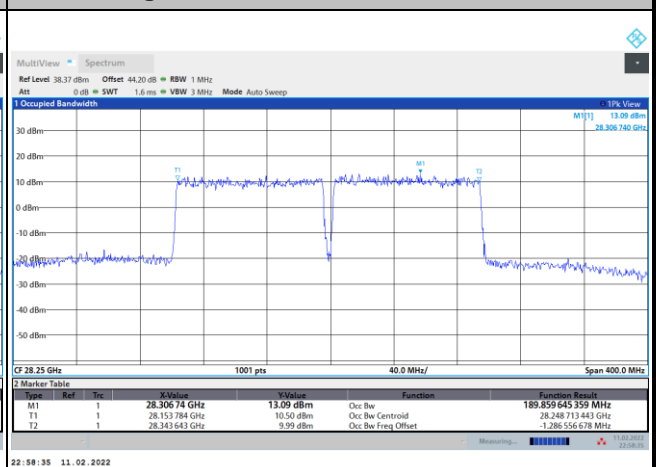
Middle Channel / 200MHz / QPSK



Highest Channel / 200MHz / BPSK



Highest Channel / 200MHz / QPSK

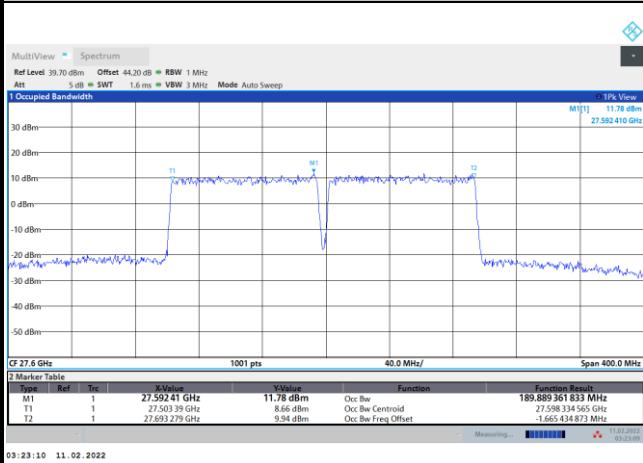




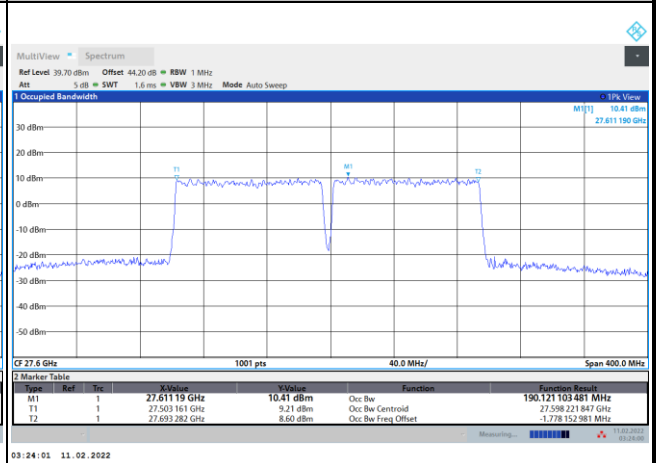
DFT-s-OFDM Module 1

NR Band n261

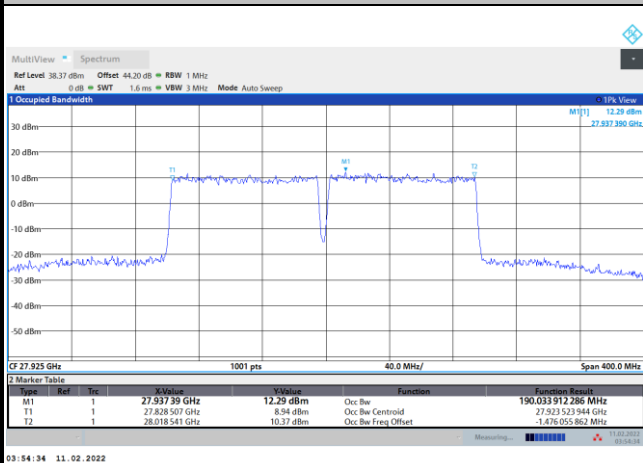
Lowest Channel / 200MHz / 16QAM



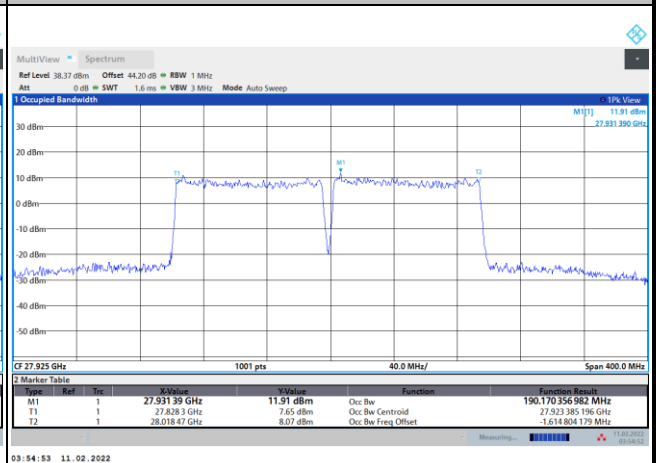
Lowest Channel / 200MHz / 64QAM



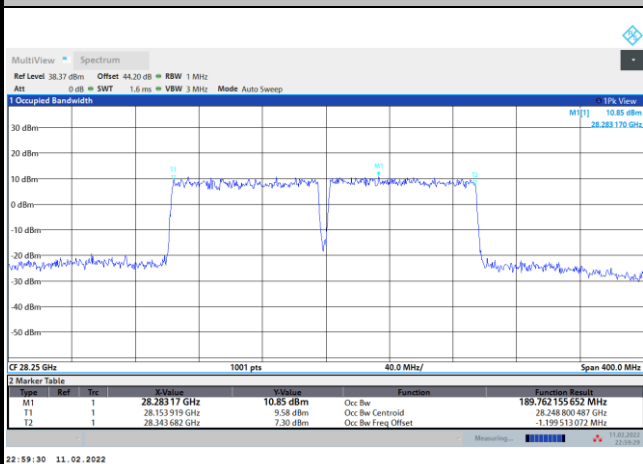
Middle Channel / 200MHz / 16QAM



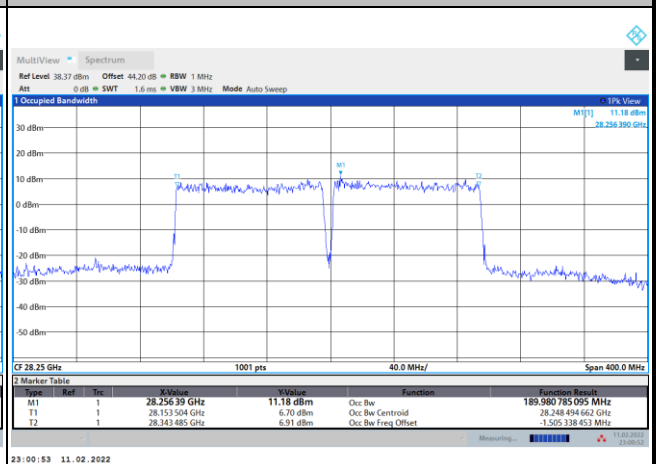
Middle Channel / 200MHz / 64QAM



Highest Channel / 200MHz / 16QAM



Highest Channel / 200MHz / 64QAM

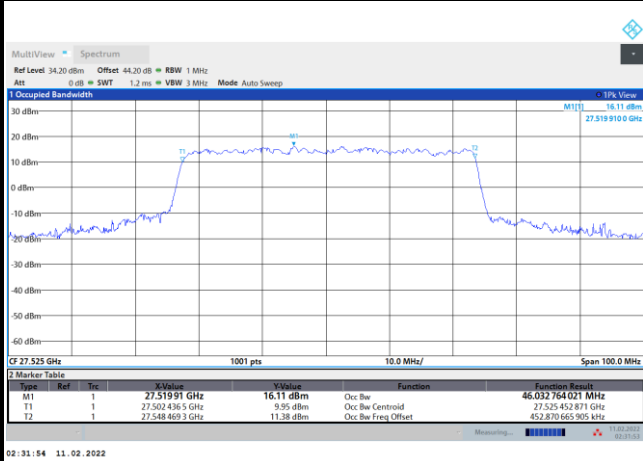




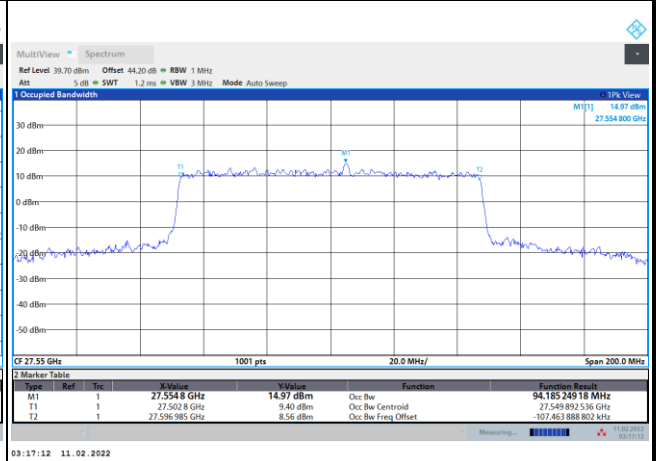
CP-OFDM Module 1

NR Band n261

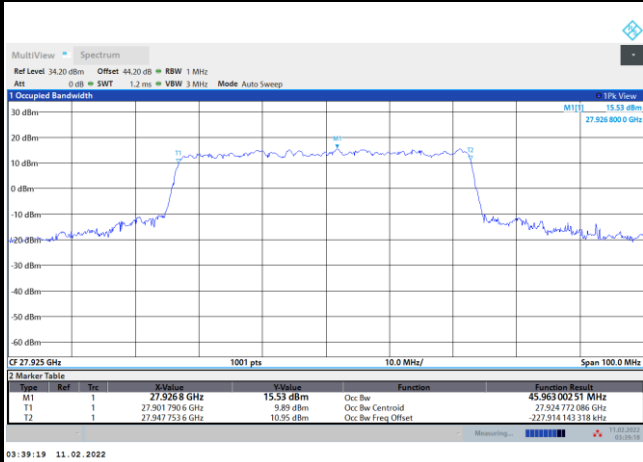
Lowest Channel / 50MHz / QPSK



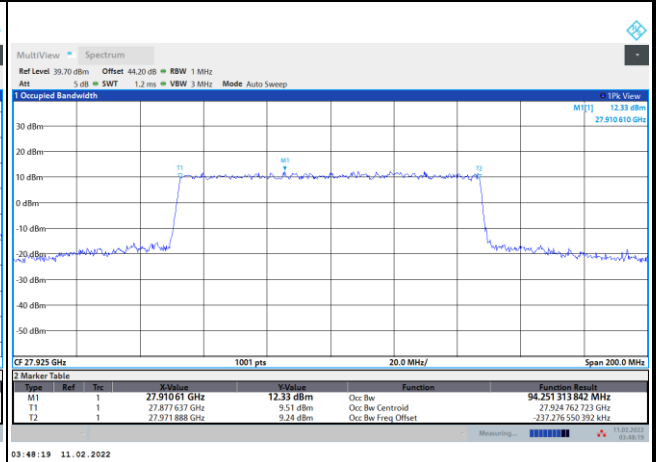
Lowest Channel / 100MHz / QPSK



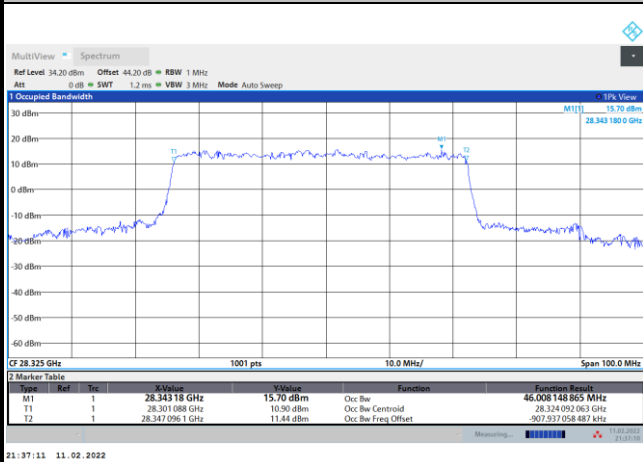
Middle Channel / 50MHz / QPSK



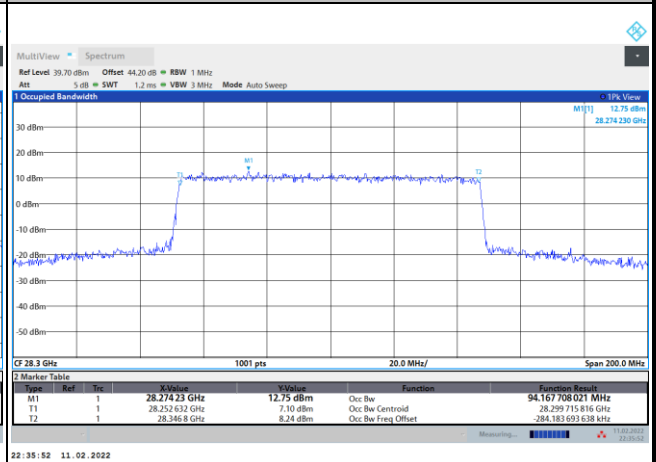
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

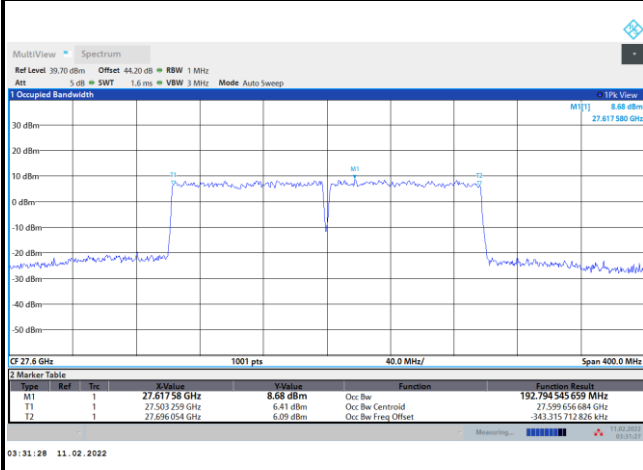




CP-OFDM Module 1

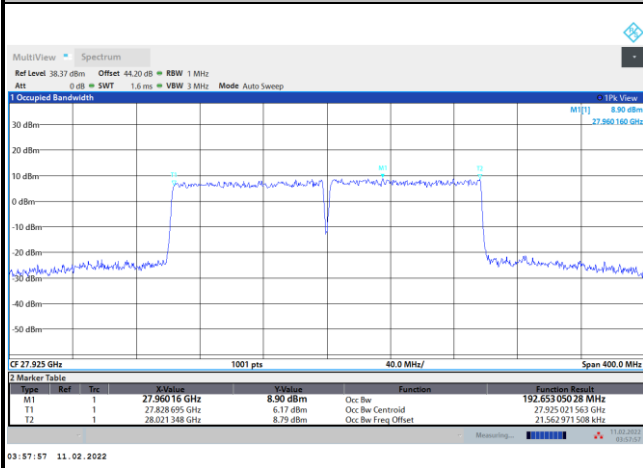
NR Band n261

Lowest Channel / 200MHz / QPSK



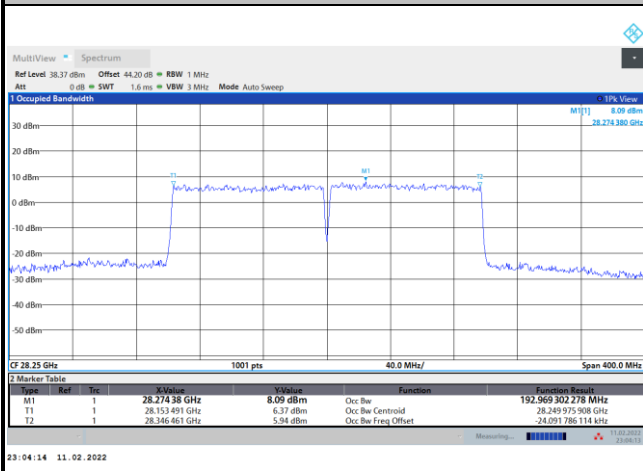
intentionally blank

Middle Channel / 200MHz / QPSK



intentionally blank

Highest Channel / 200MHz / QPSK



intentionally blank



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											