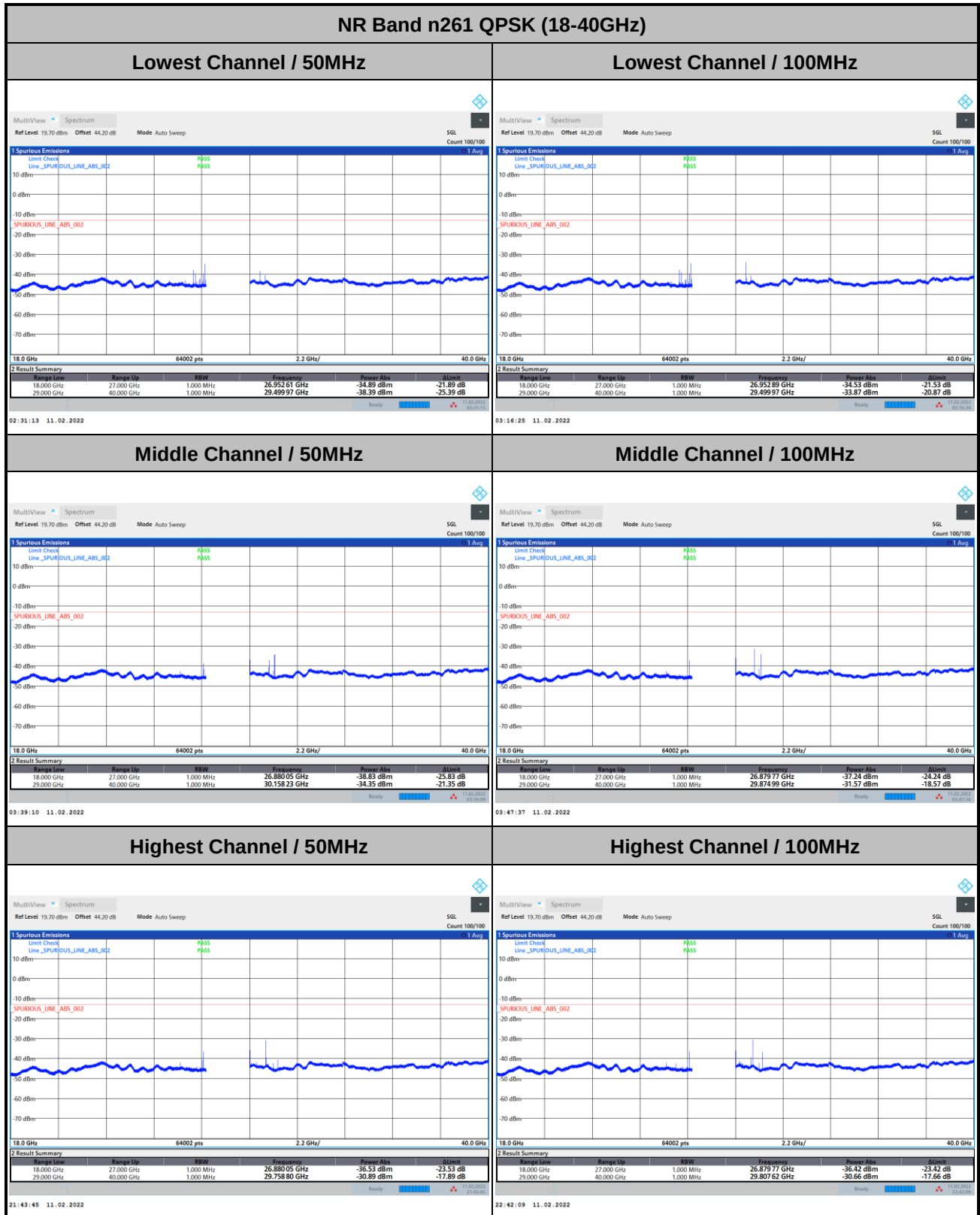




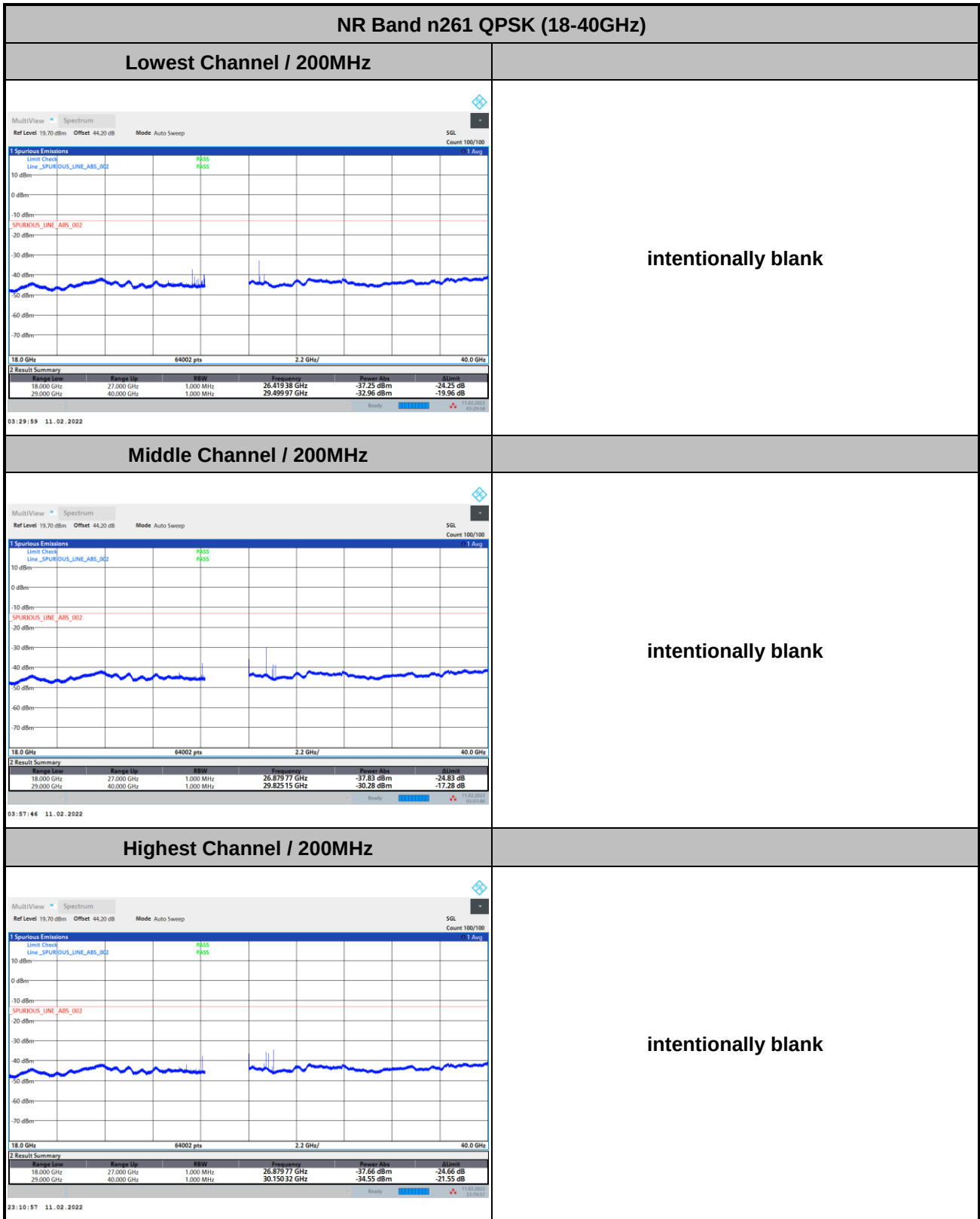
CP-OFDM Module 1



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

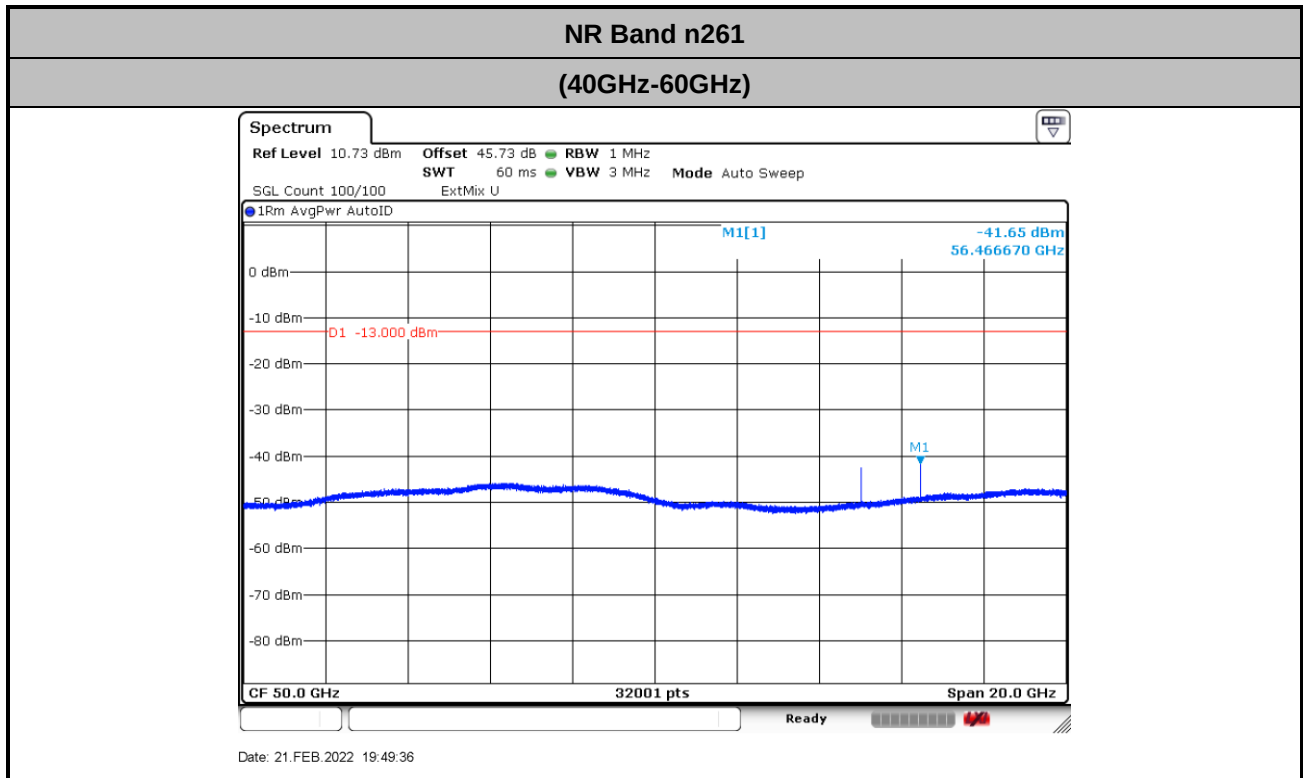


CP-OFDM Module 1

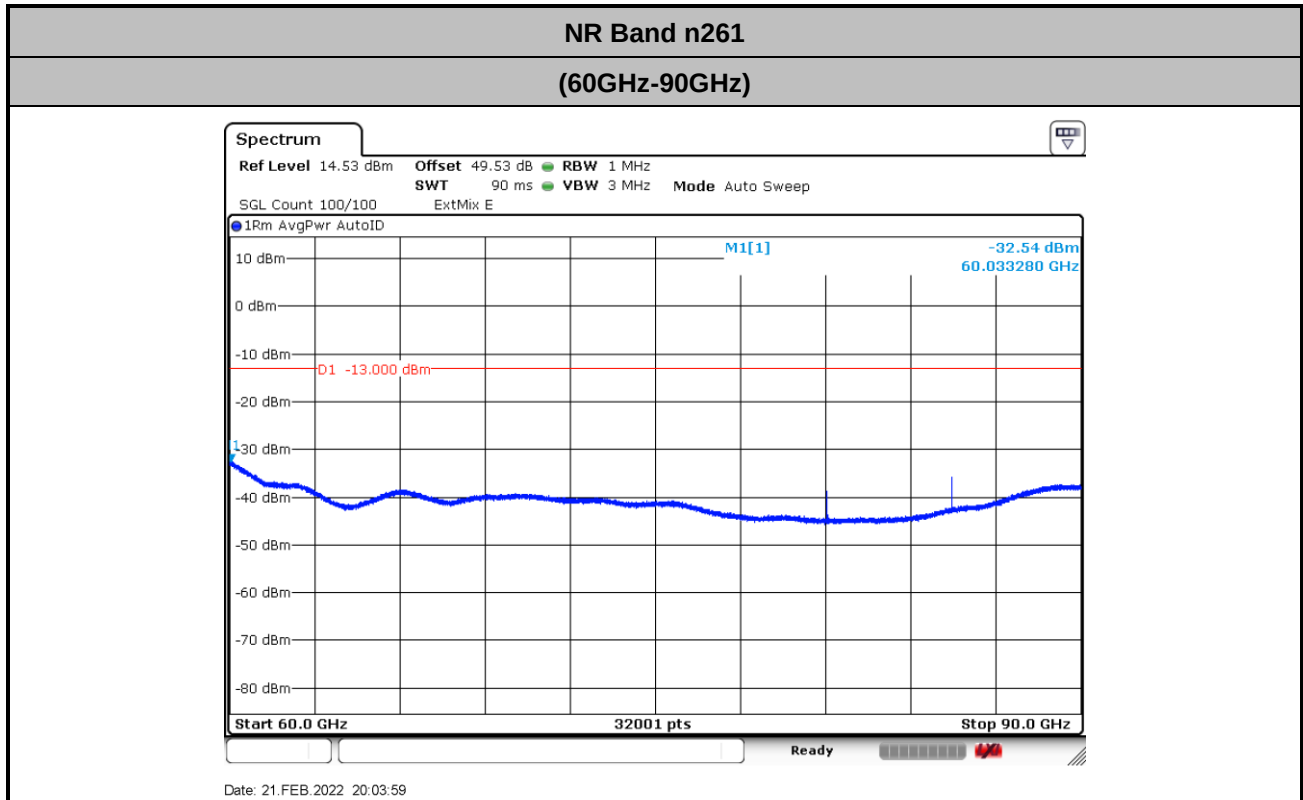


Remark: In band and out of band frequencies are omitted.

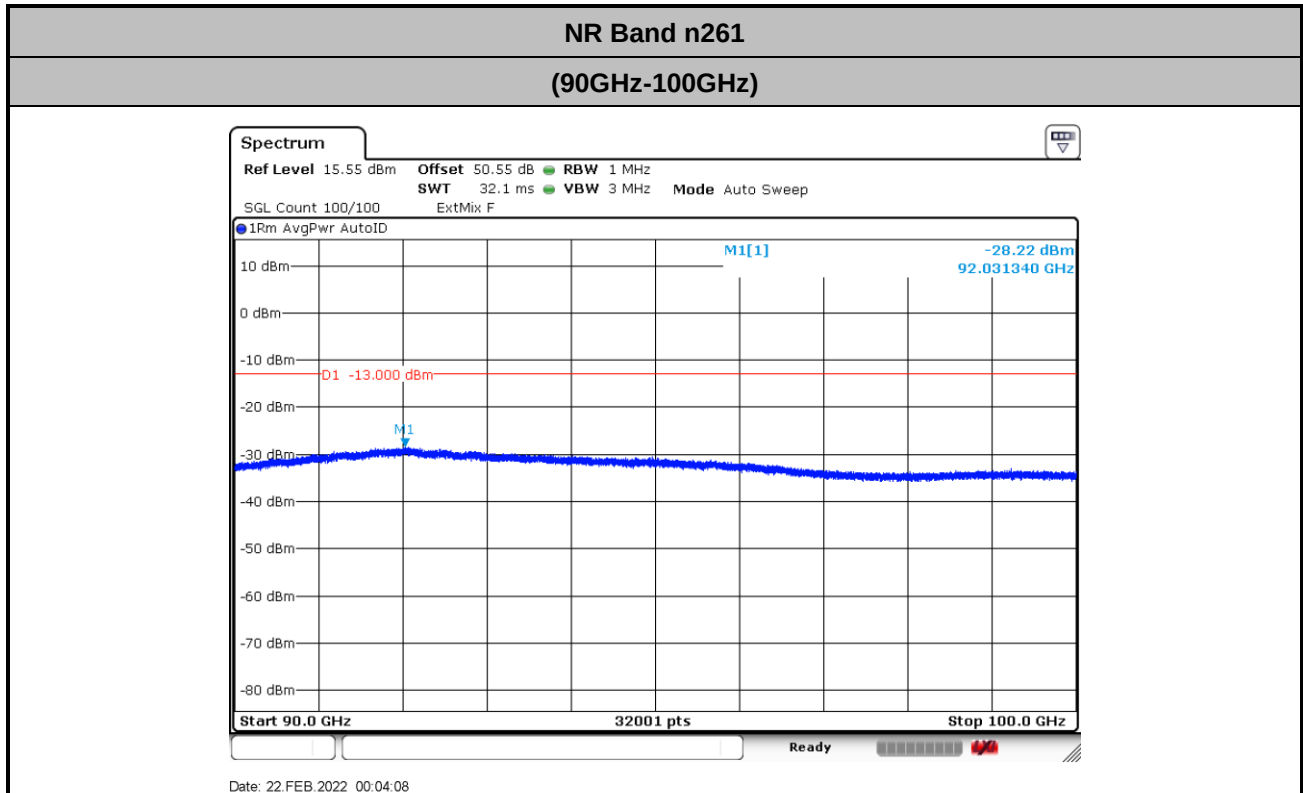
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz.
Only the noise floor is reported.



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 43.1 + 0.43 + 107 + 20\log(1) - 104.8 = 45.73 \text{ (dB)} \end{aligned}$$



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



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



NR Band n261 Module 2

Occupied Bandwidth

Mode	DFT-s-OFDM Module 2 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	46.04	46.14	45.85	45.81	91.53	91.26	91.30	91.62	190.30	189.73	190.03	190.19
Middle CH	46.05	46.13	45.90	45.85	91.43	91.37	91.37	91.60	190.13	189.64	189.93	189.93
Highest CH	46.07	46.12	45.86	45.84	91.56	91.27	91.35	91.48	190.14	189.77	189.93	190.17

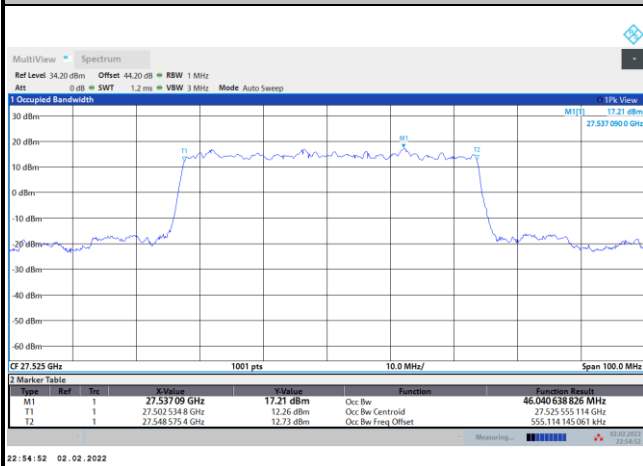
Mode	CP-OFDM Module 2 NR Band n261 : 99%OBW(MHz)											
BW	50MHz				100MHz				200MHz			
Mod.	QPSK				QPSK				QPSK			
Lowest CH	45.91				94.48				192.99			
Middle CH	45.96				94.49				192.87			
Highest CH	45.94				94.40				192.87			



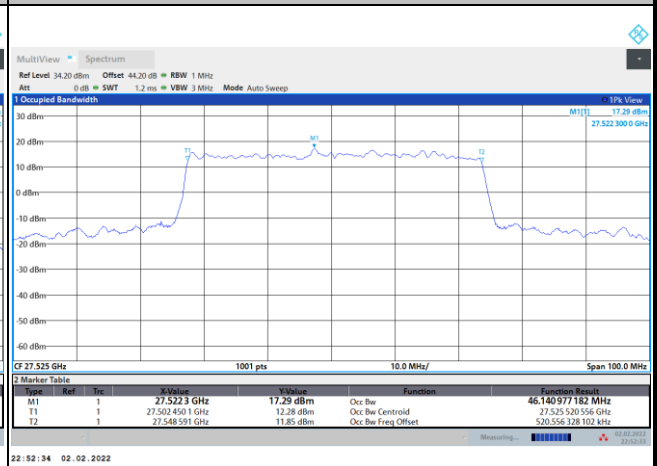
DFT-s-OFDM Module 2

NR Band n261

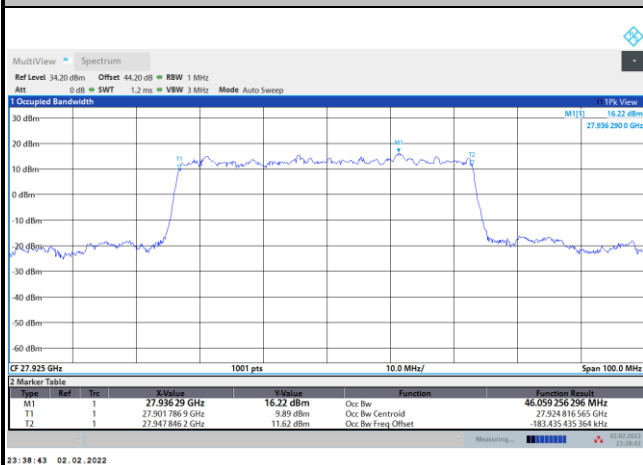
Lowest Channel / 50MHz / BPSK



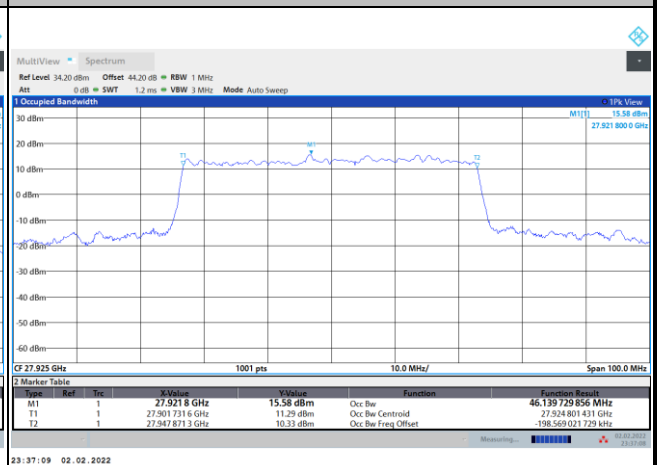
Lowest Channel / 50MHz / QPSK



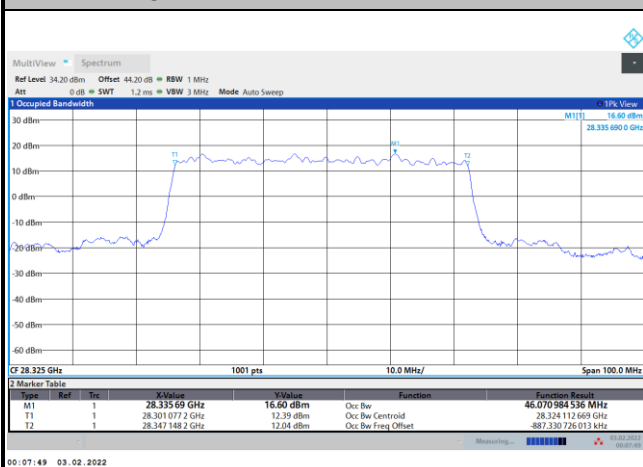
Middle Channel / 50MHz / BPSK



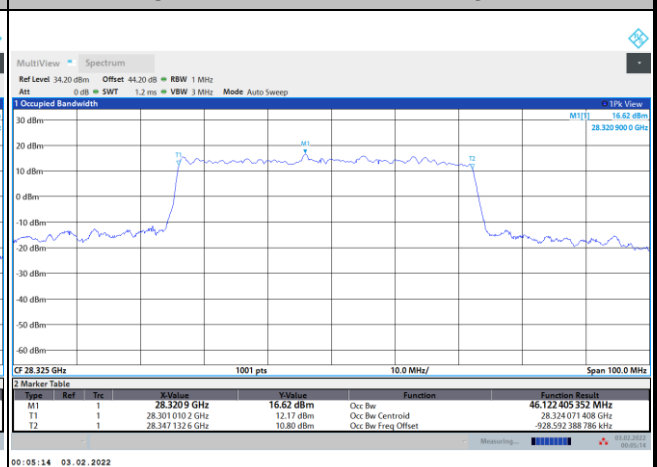
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK



Highest Channel / 50MHz / QPSK

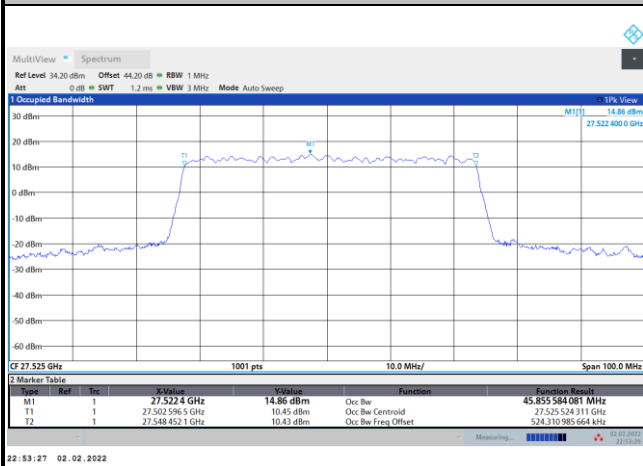




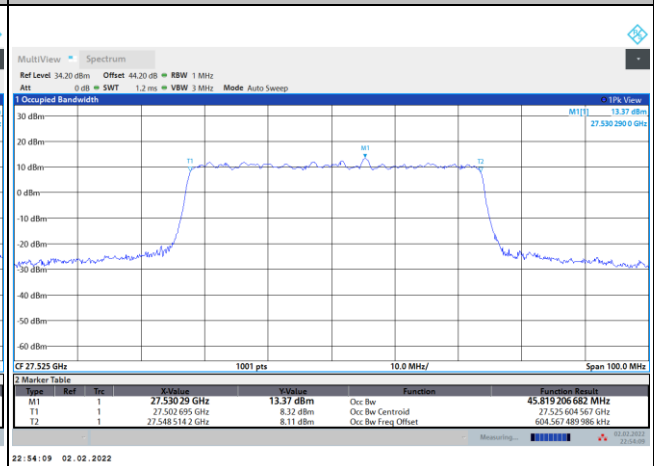
DFT-s-OFDM Module 2

NR Band n261

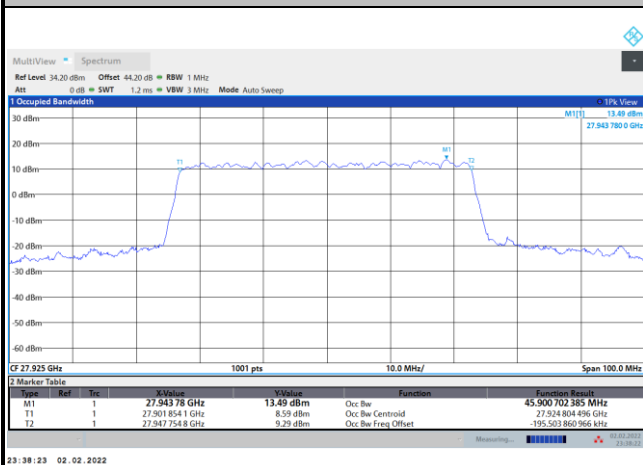
Lowest Channel / 50MHz / 16QAM



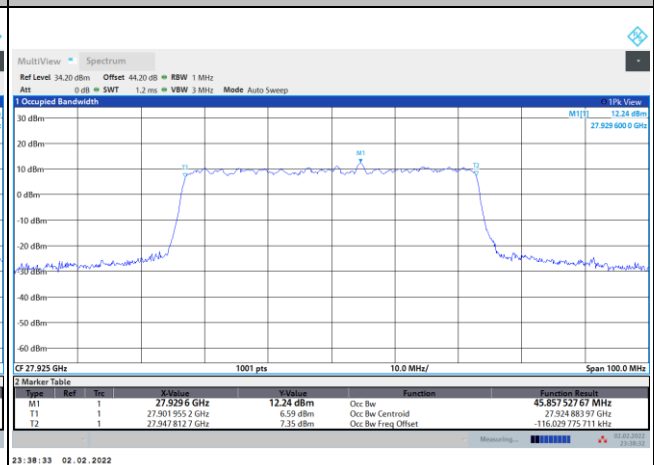
Lowest Channel / 50MHz / 64QAM



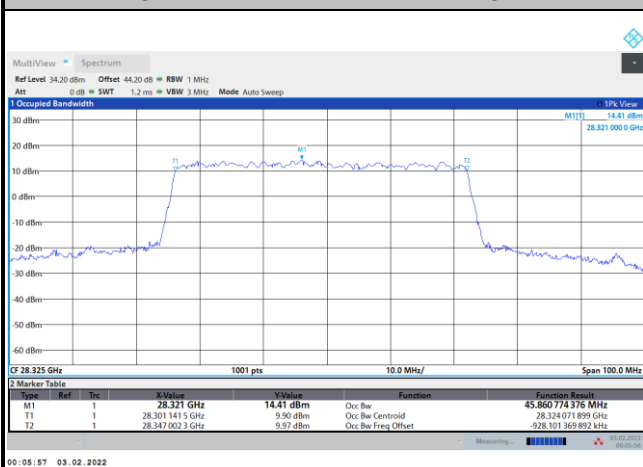
Middle Channel / 50MHz / 16QAM



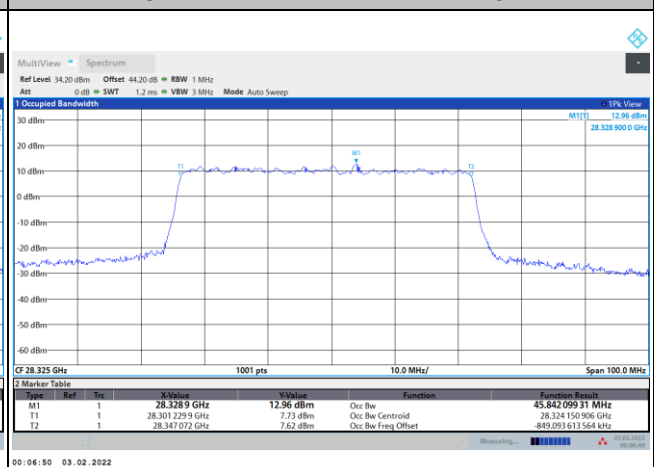
Middle Channel / 50MHz / 64QAM



Highest Channel / 50MHz / 16QAM



Highest Channel / 50MHz / 64QAM

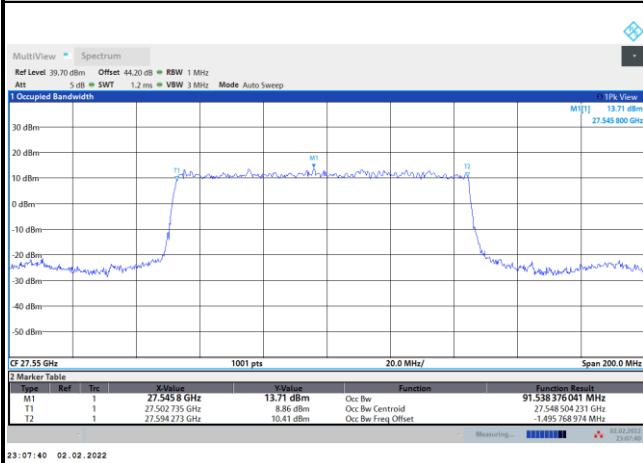




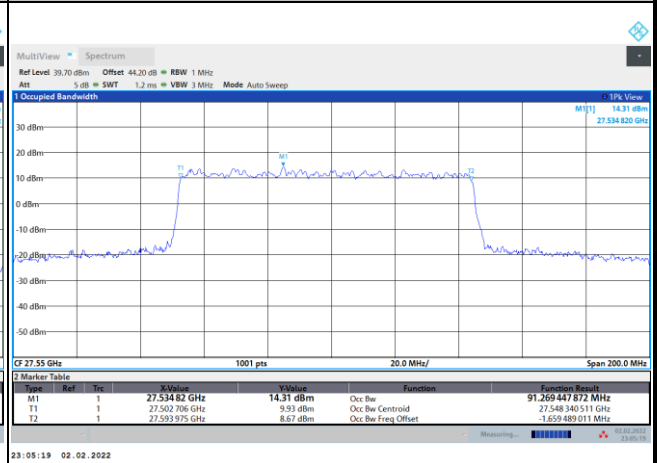
DFT-s-OFDM Module 2

NR Band n261

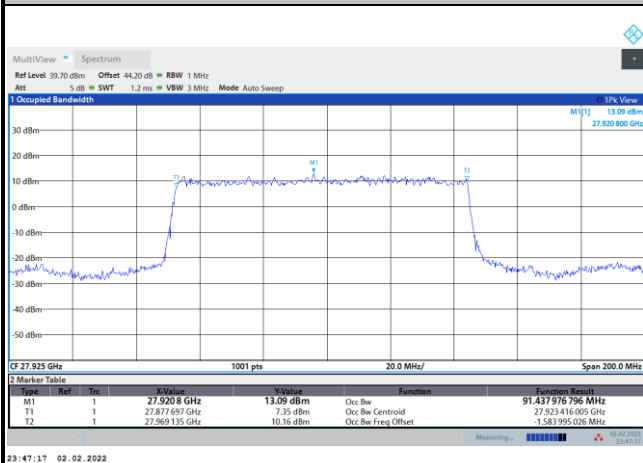
Lowest Channel / 100MHz / BPSK



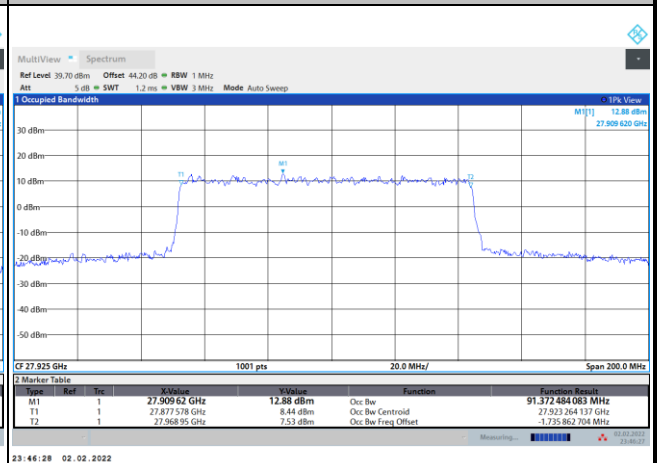
Lowest Channel / 100MHz / QPSK



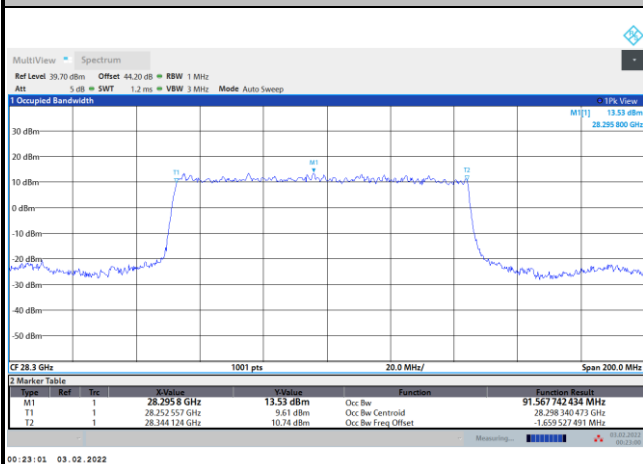
Middle Channel / 100MHz / BPSK



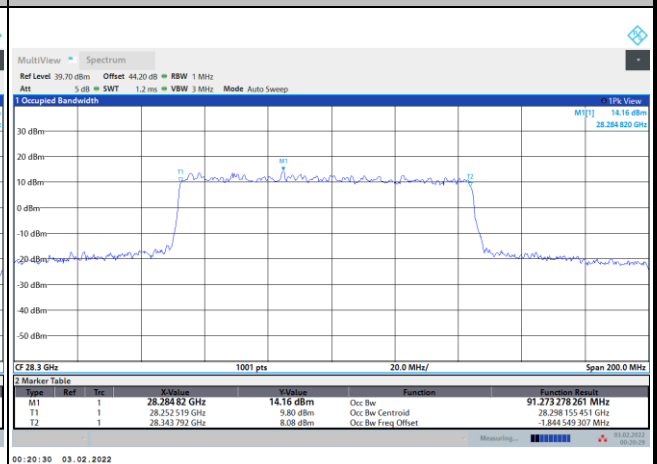
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK



Highest Channel / 100MHz / QPSK

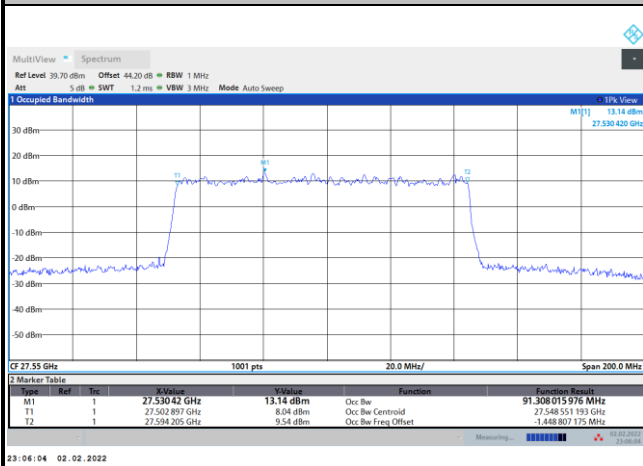




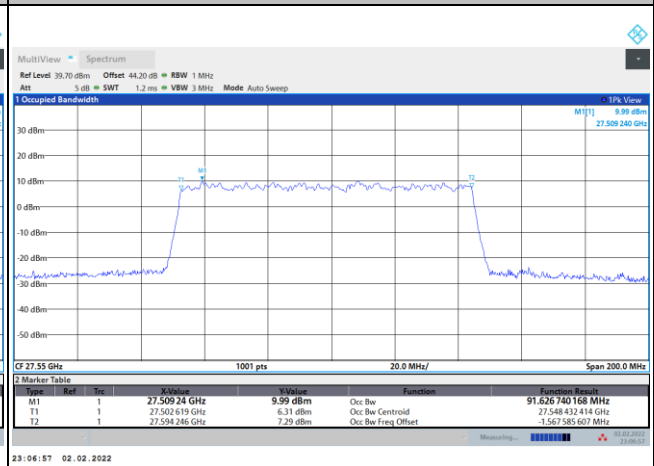
DFT-s-OFDM Module 2

NR Band n261

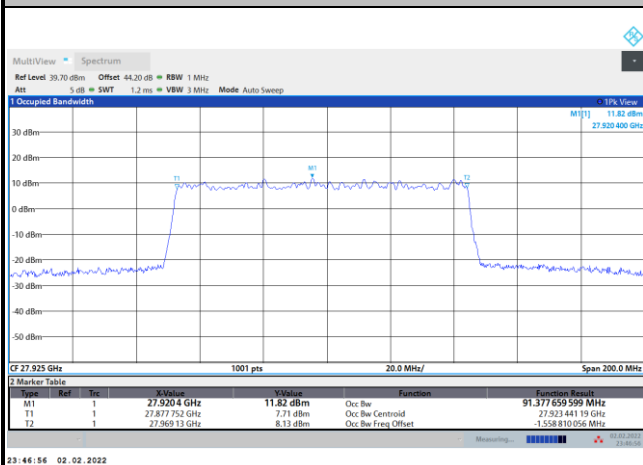
Lowest Channel / 100MHz / 16QAM



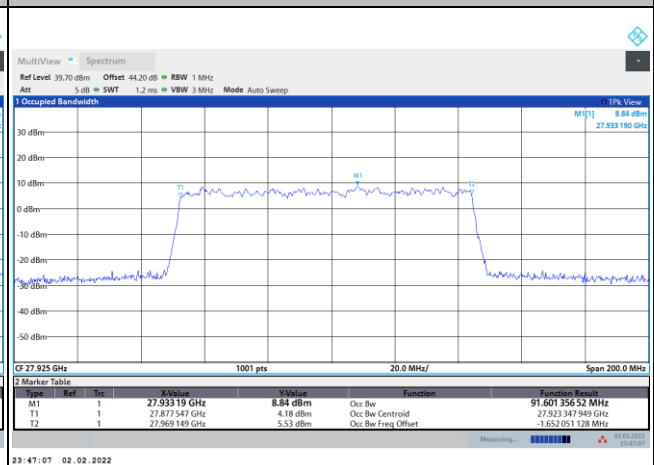
Lowest Channel / 100MHz / 64QAM



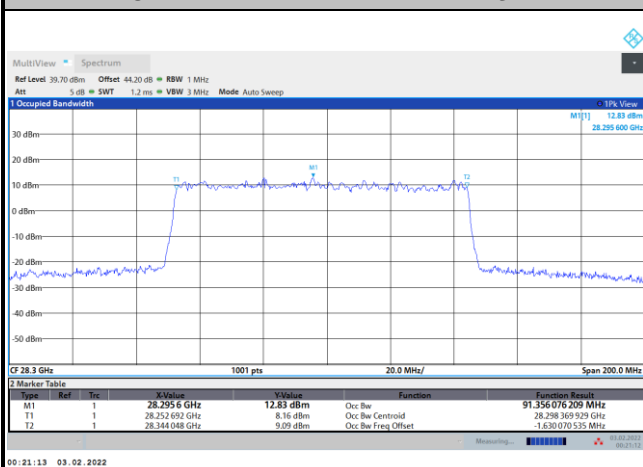
Middle Channel / 100MHz / 16QAM



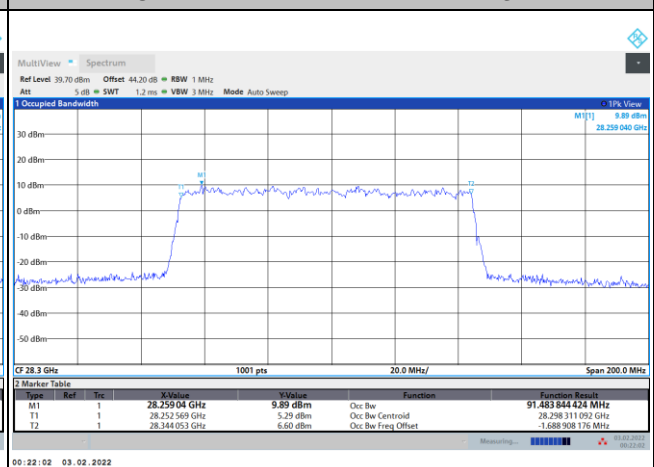
Middle Channel / 100MHz / 64QAM

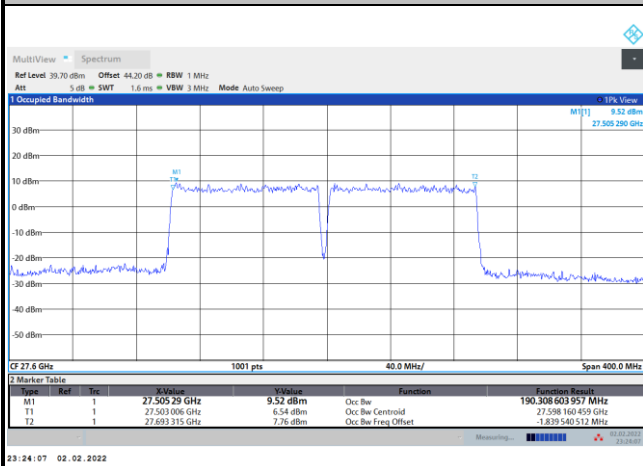
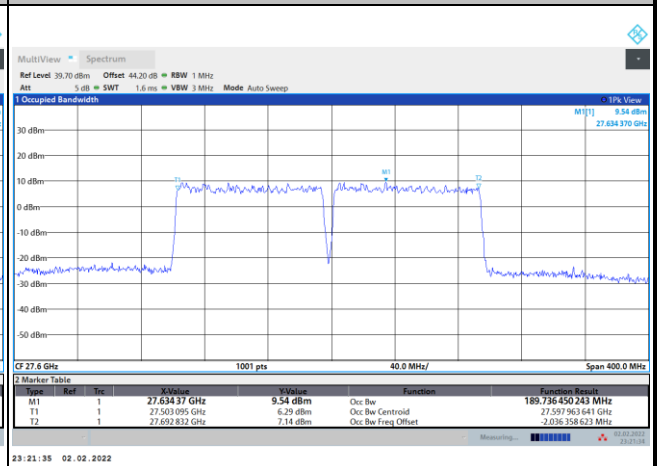
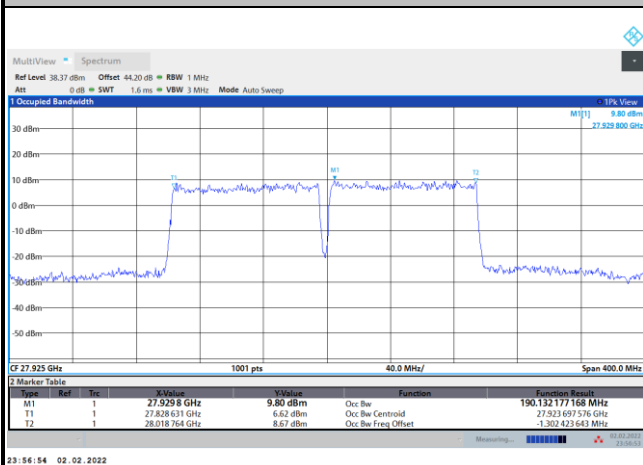
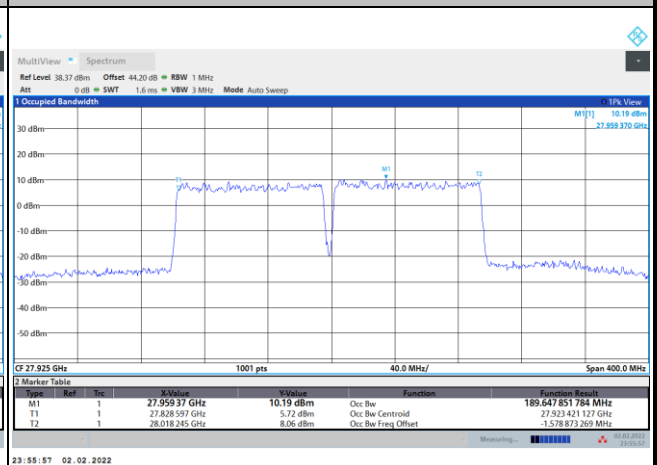
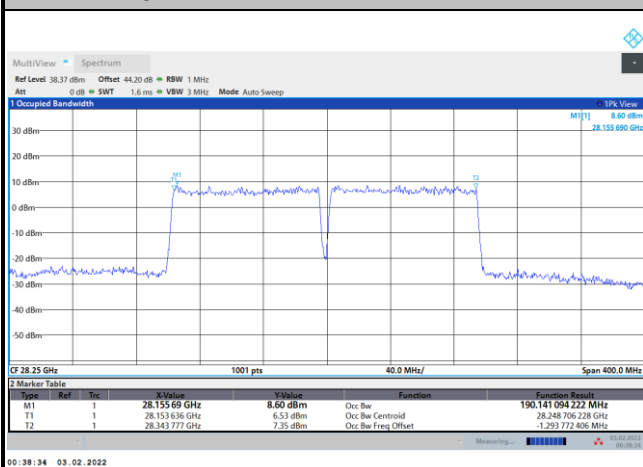
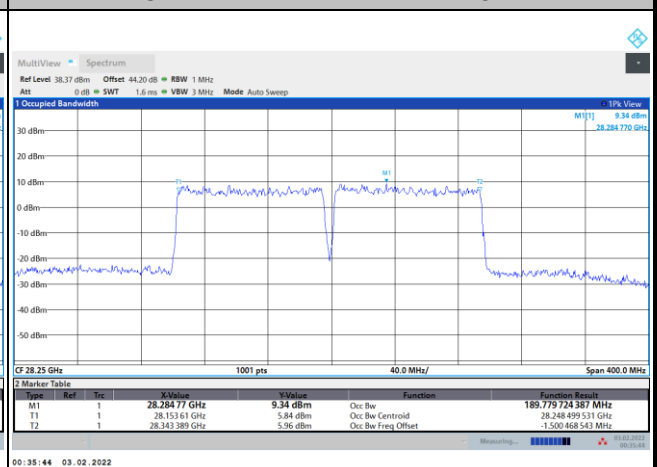


Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM



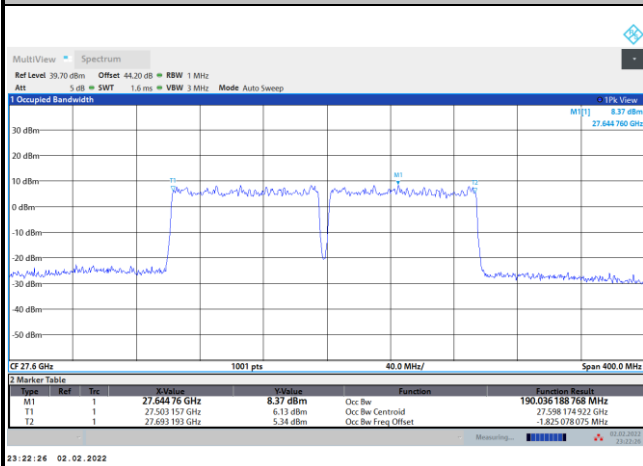
DFT-s-OFDM Module 2
NR Band n261
Lowest Channel / 200MHz / BPSK

Lowest Channel / 200MHz / QPSK

Middle Channel / 200MHz / BPSK

Middle Channel / 200MHz / QPSK

Highest Channel / 200MHz / BPSK

Highest Channel / 200MHz / QPSK




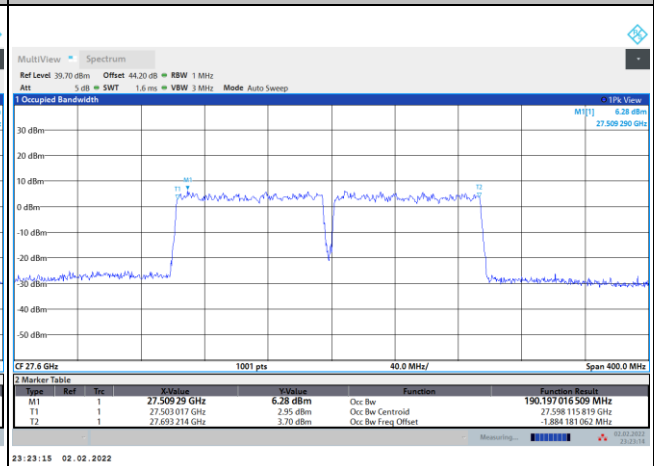
DFT-s-OFDM Module 2

NR Band n261

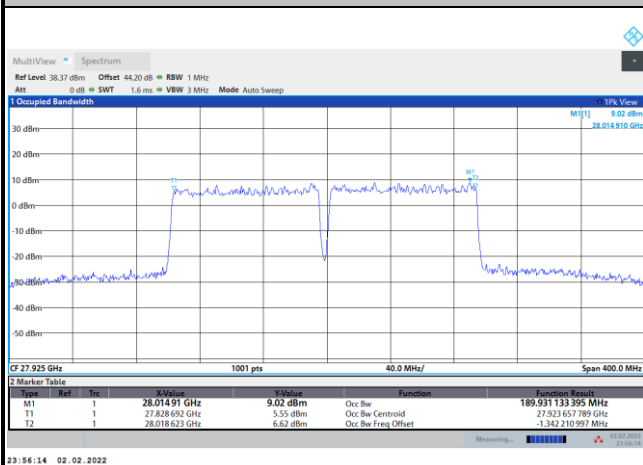
Lowest Channel / 200MHz / 16QAM



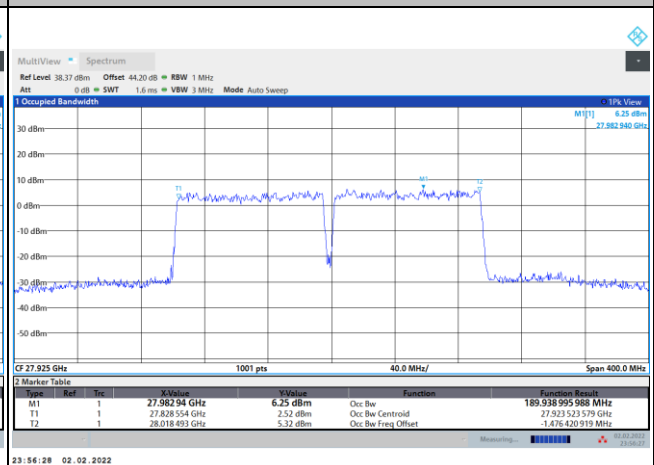
Lowest Channel / 200MHz / 64QAM



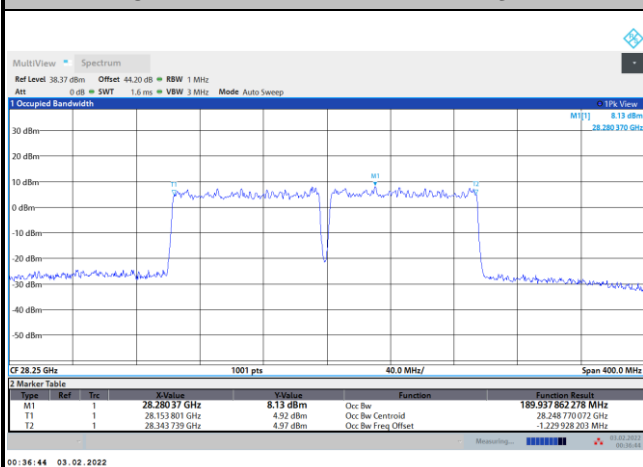
Middle Channel / 200MHz / 16QAM



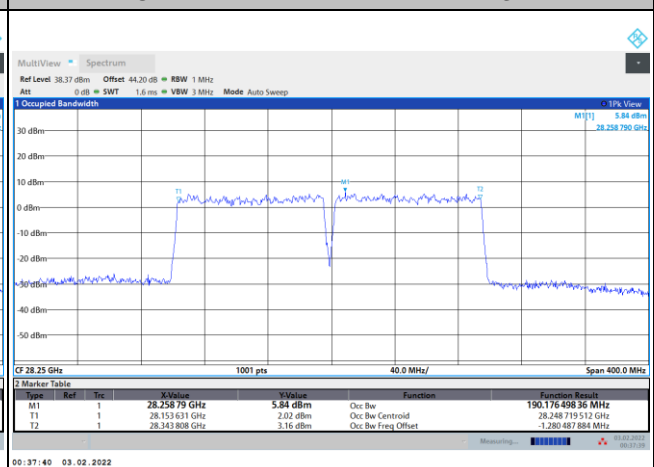
Middle Channel / 200MHz / 64QAM



Highest Channel / 200MHz / 16QAM



Highest Channel / 200MHz / 64QAM

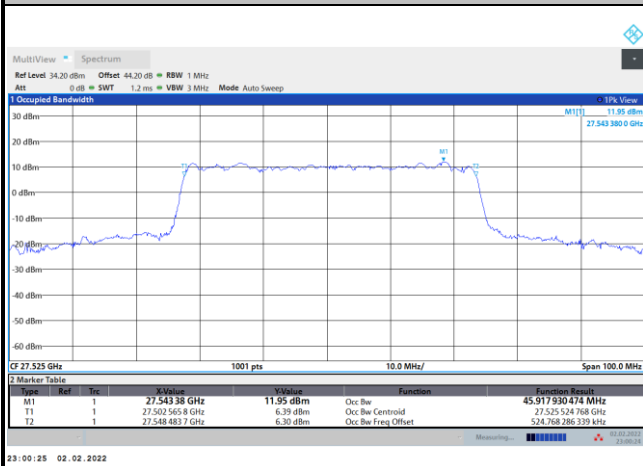




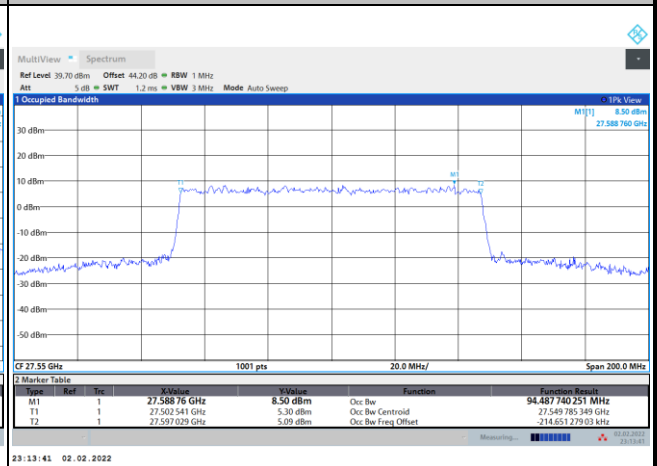
CP-OFDM Module 2

NR Band n261

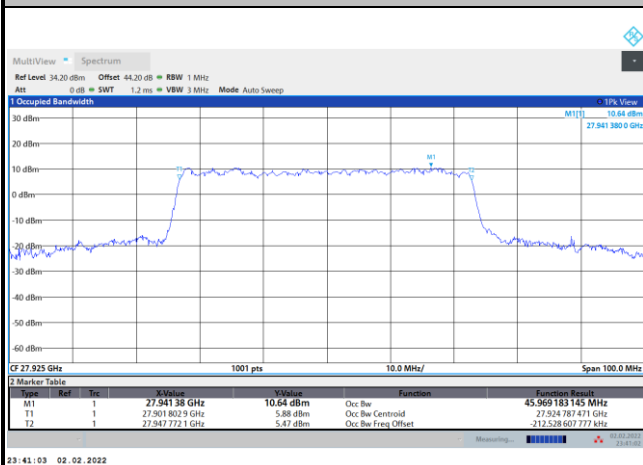
Lowest Channel / 50MHz / QPSK



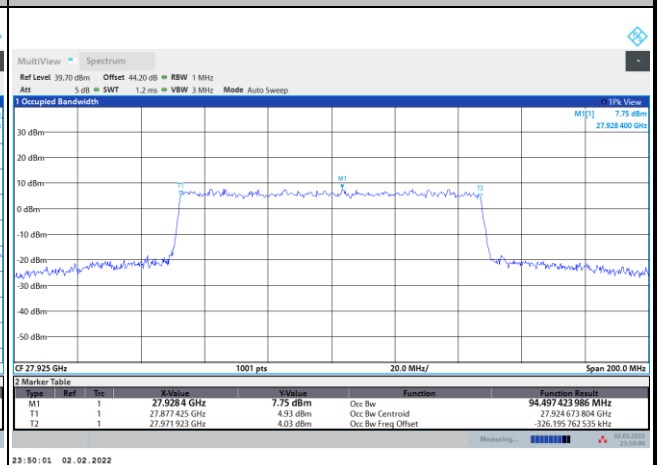
Lowest Channel / 100MHz / QPSK



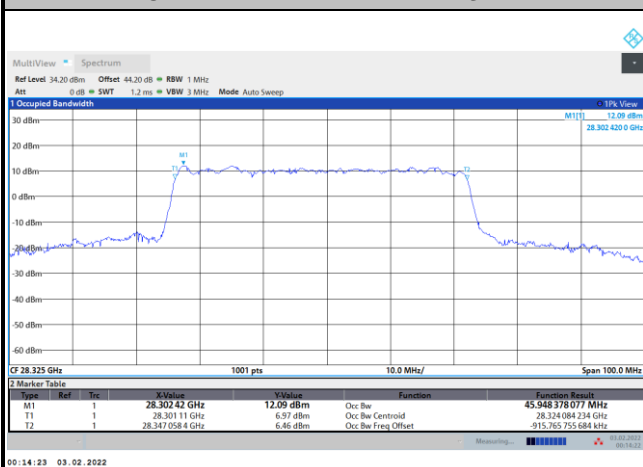
Middle Channel / 50MHz / QPSK



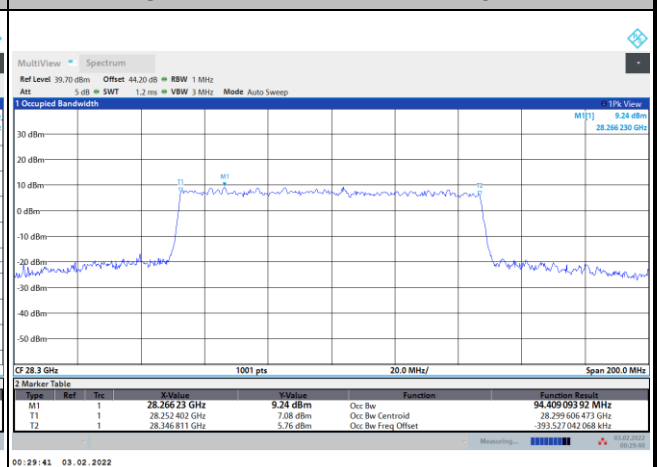
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

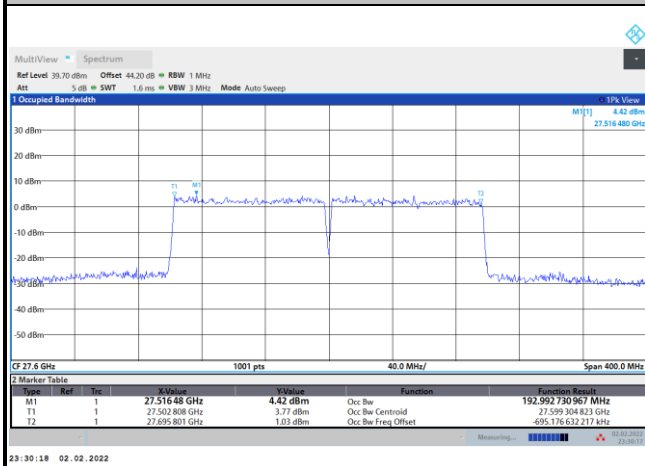




CP-OFDM Module 2

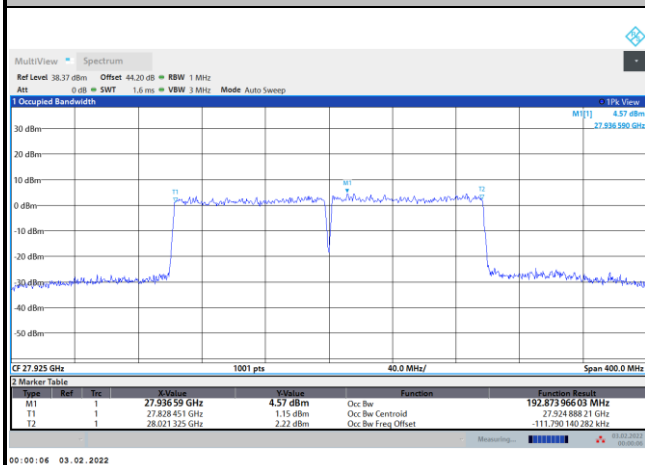
NR Band n261

Lowest Channel / 200MHz / QPSK



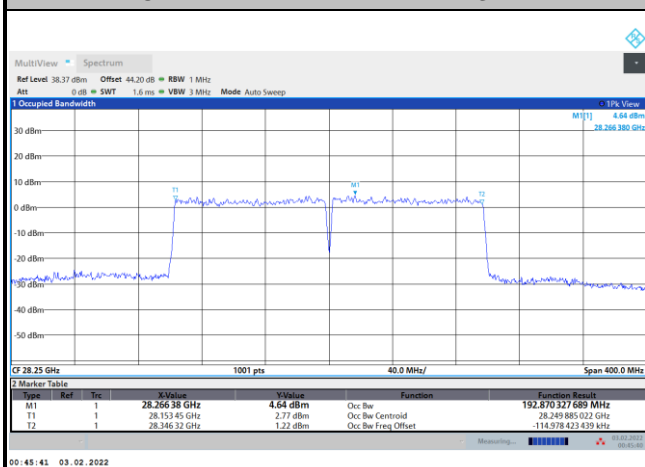
intentionally blank

Middle Channel / 200MHz / QPSK



intentionally blank

Highest Channel / 200MHz / QPSK



intentionally blank

Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 2 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	-15.37	-16.00	-16.58	-18.07	-11.36	-11.46	-13.79	-15.64	-18.61	-19.03	-19.36	-18.35
	>10%OB	≤ -13	-28.81	-29.45	-32.11	-33.78	-32.72	-33.20	-33.67	-35.46	-21.21	-21.23	-20.68	-18.77
High CH	0~10%OB	≤ -5	-19.06	-18.47	-19.89	-23.51	-13.10	-14.41	-16.09	-19.08	-23.18	-22.49	-23.32	-22.90
	>10%OB	≤ -13	-30.43	-29.84	-31.20	-34.99	-33.37	-33.27	-33.61	-35.42	-25.14	-23.66	-22.08	-22.88
Result			Compliance											

Mode			CP-OFDM Module 2 NR Band n261 : BE (dBm) 1 RB			
BW			50MHz	100MHz	200MHz	
Limit (dBm)			QPSK	QPSK	QPSK	
Low CH	0~10%OB	≤-5	-22.03	-17.85	-22.34	
	>10%OB	≤-13	-35.09	-35.13	-21.78	
High CH	0~10%OB	≤-5	-23.68	-17.70	-25.46	
	>10%OB	≤-13	-33.36	-34.99	-23.02	
Result			Compliance			

Mode			DFT-s-OFDM Module 2 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	-24.38	-21.85	-27.37	-29.99	-25.57	-24.26	-27.42	-29.01	-29.23	-29.97	-31.38	-31.62
	>10%OB	≤ -13	-27.97	-22.78	-29.50	-33.01	-30.83	-27.18	-31.64	-34.37	-32.81	-32.41	-34.03	-35.96
High CH	0~10%OB	≤ -5	-25.73	-22.87	-28.20	-30.75	-28.15	-25.66	-30.63	-33.77	-33.27	-32.75	-35.19	-37.41
	>10%OB	≤ -13	-27.58	-24.11	-30.11	-33.48	-30.52	-27.21	-32.25	-35.03	-34.25	-33.12	-36.20	-38.27
Result			Compliance											

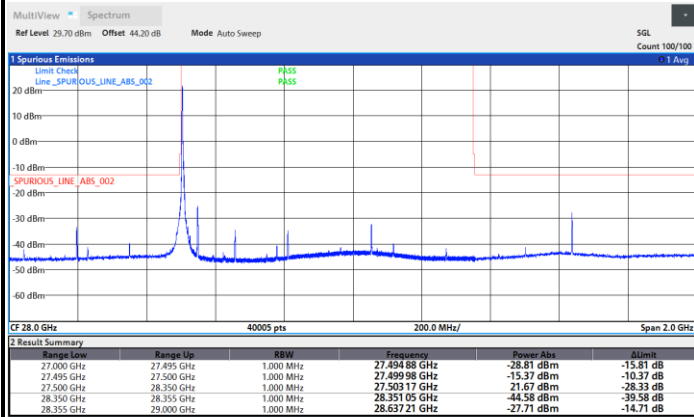
Mode			CP-OFDM Module 2 NR Band n261 : BE (dBm) Full RB			
BW			50MHz	100MHz		200MHz
Limit (dBm)			QPSK	QPSK		QPSK
Low CH	0~10%OB	≤-5	-25.51	-27.43		-32.30
	>10%OB	≤-13	-27.29	-29.89		-36.03
High CH	0~10%OB	≤-5	-24.85	-28.49		-35.01
	>10%OB	≤-13	-28.27	-30.61		-36.77
Result			Compliance			



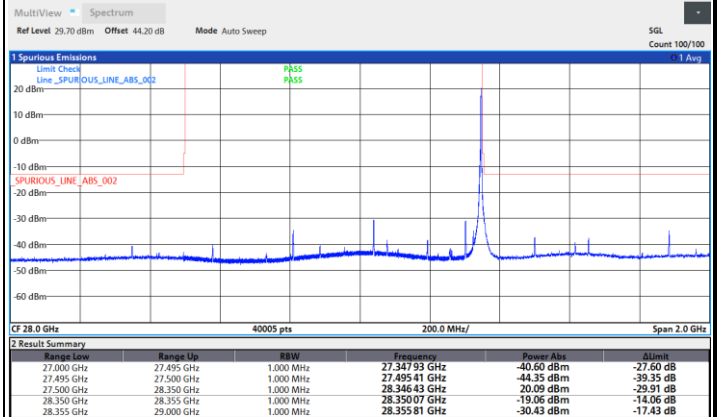
DFT-s-OFDM Module 2

NR Band n261 / 50MHz / BPSK

Lowest Band Edge / 1 RB

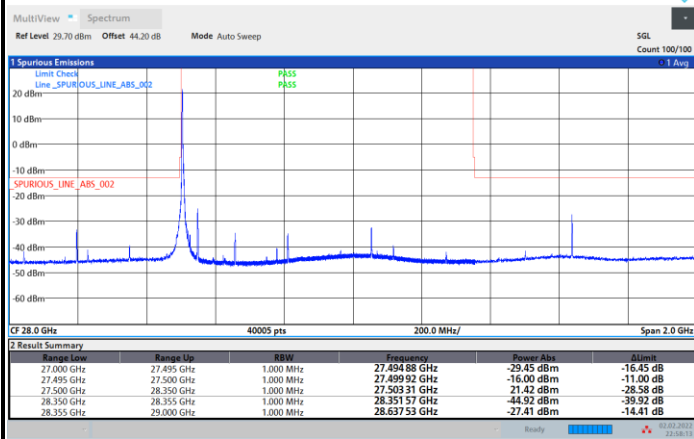


Highest Band Edge / 1 RB

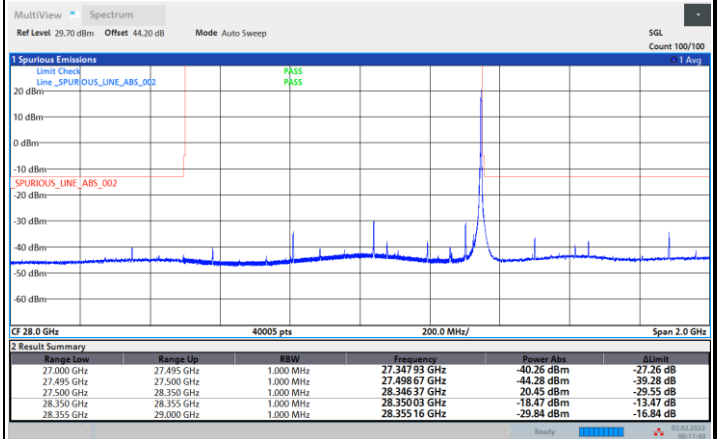


NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

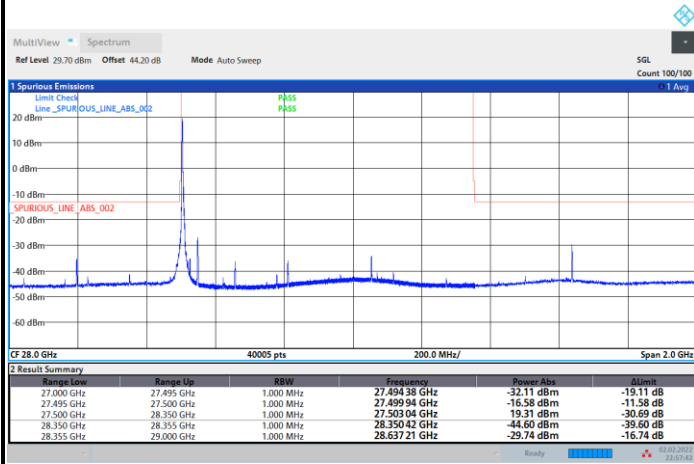




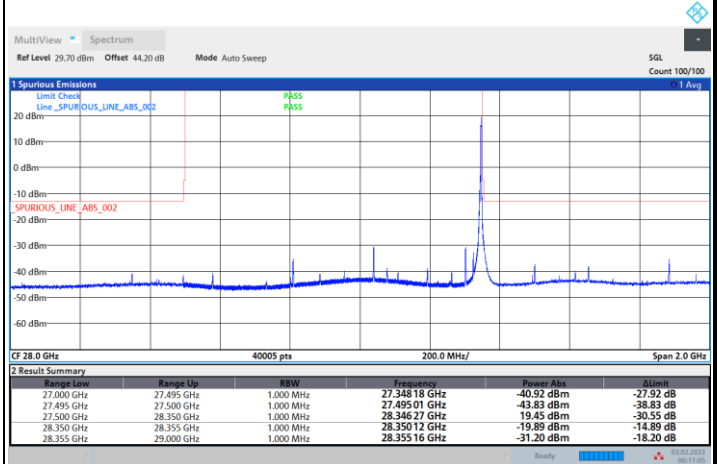
DFT-s-OFDM Module 2

NR Band n261 / 50MHz / 16QAM

Lowest Band Edge / 1 RB

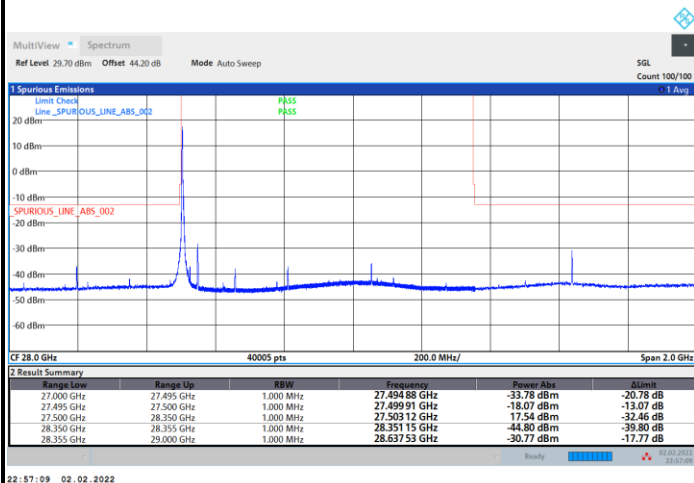


Highest Band Edge / 1 RB

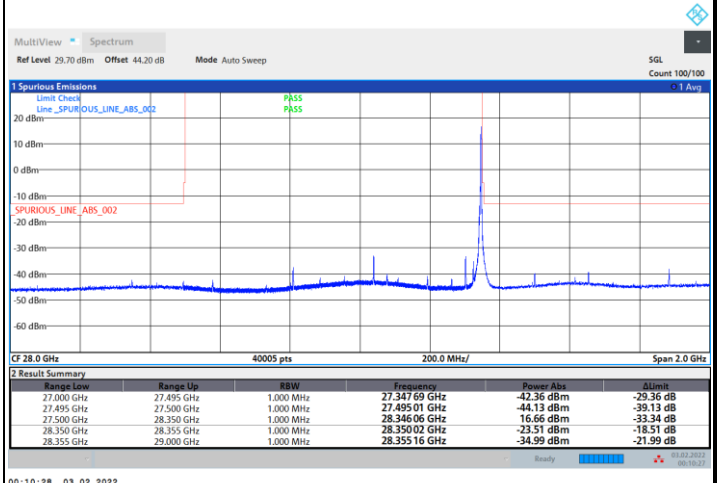


NR Band n261 / 50MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

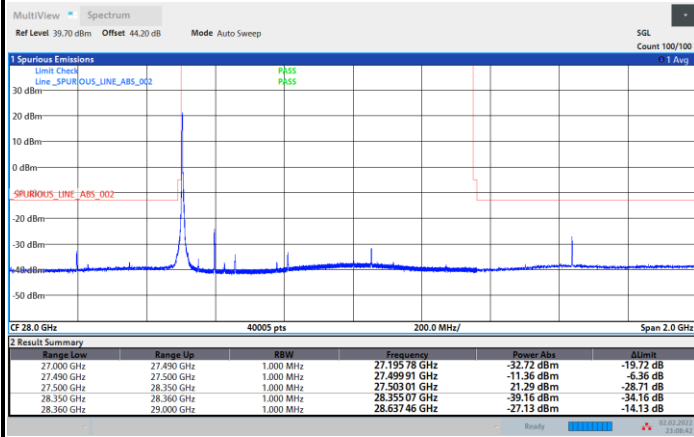




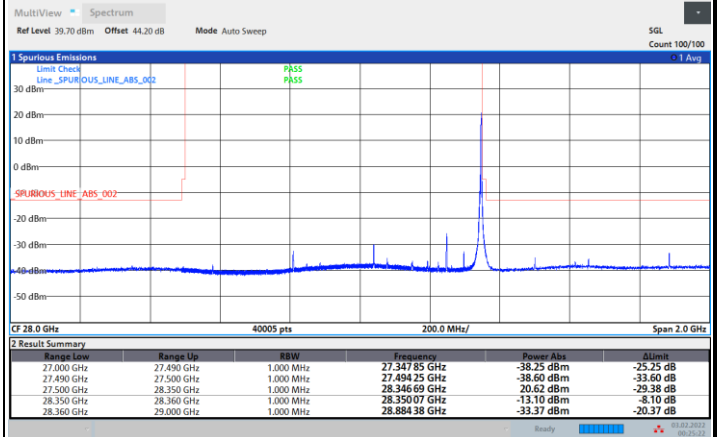
DFT-s-OFDM Module 2

NR Band n261 / 100MHz / BPSK

Lowest Band Edge / 1 RB

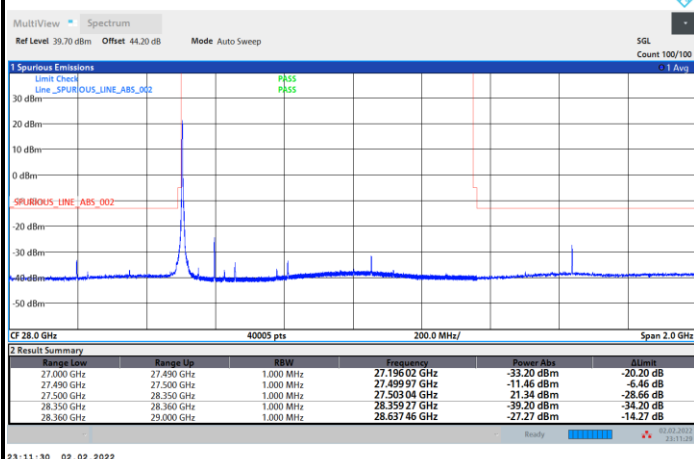


Highest Band Edge / 1 RB

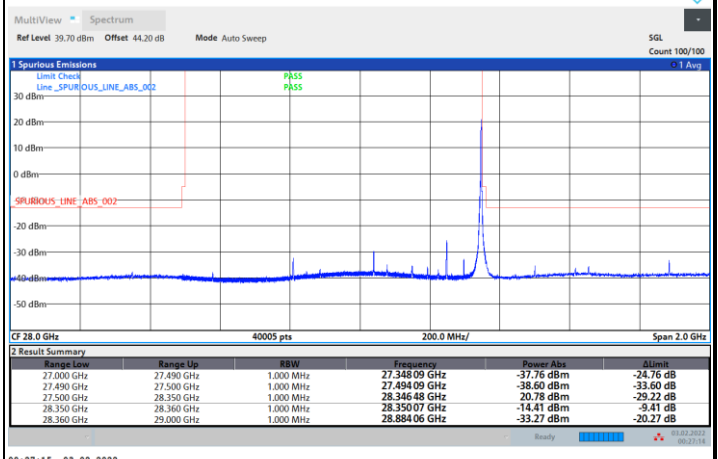


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

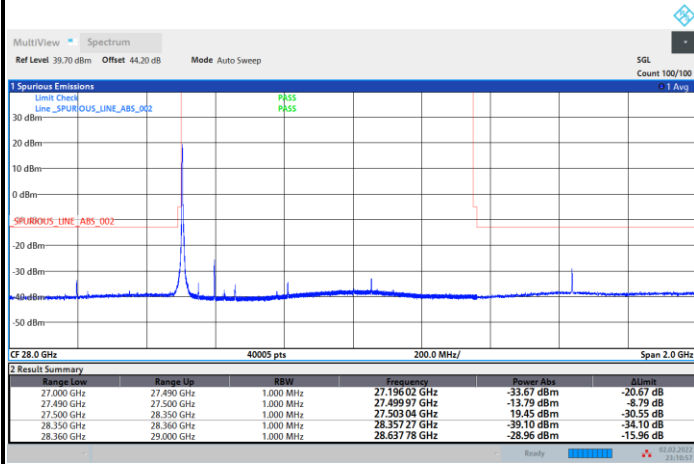




DFT-s-OFDM Module 2

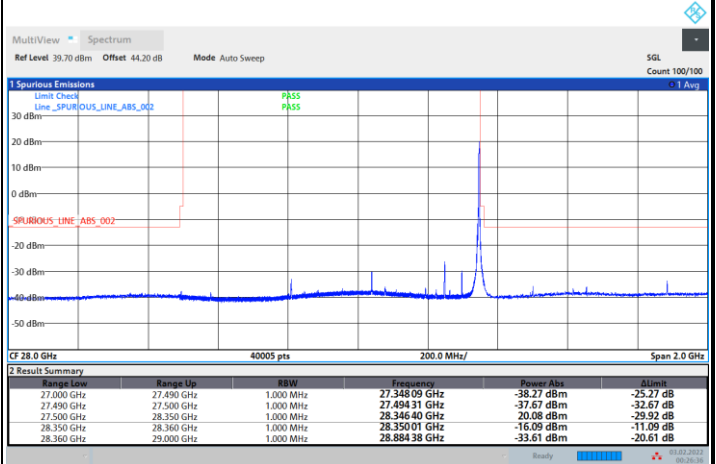
NR Band n261 / 100MHz / 16QAM

Lowest Band Edge / 1 RB



23:10:57 02.02.2022

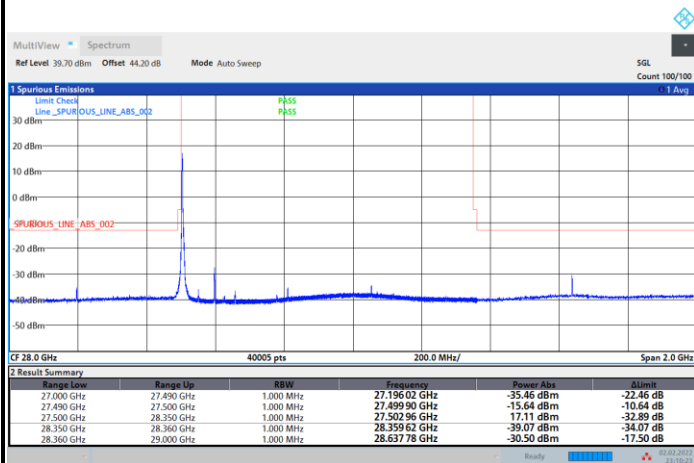
Highest Band Edge / 1 RB



00:26:36 03.02.2022

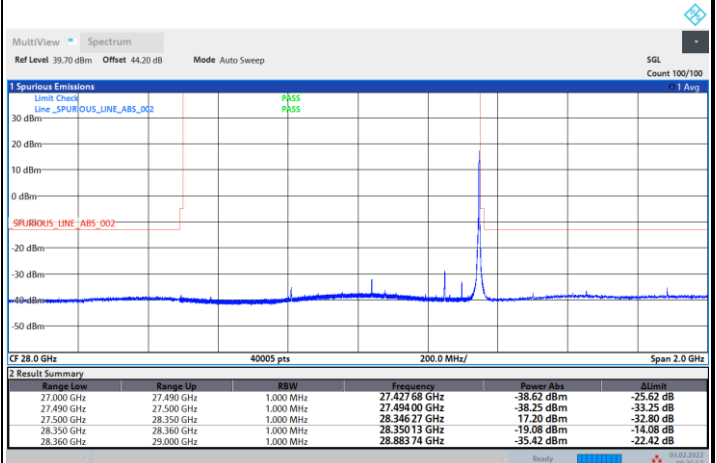
NR Band n261 / 100MHz / 64QAM

Lowest Band Edge / 1 RB



23:10:24 02.02.2022

Highest Band Edge / 1 RB



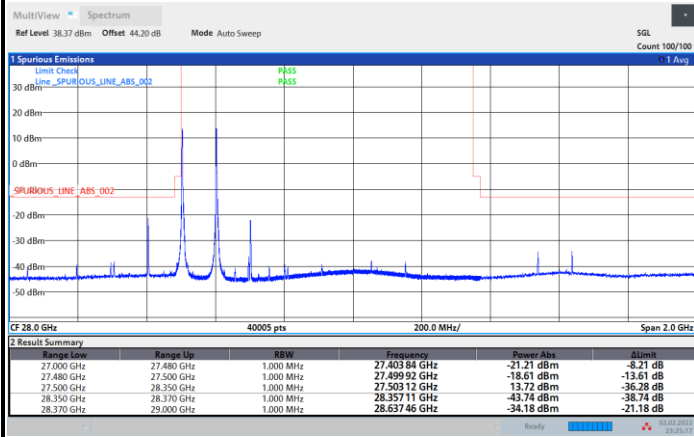
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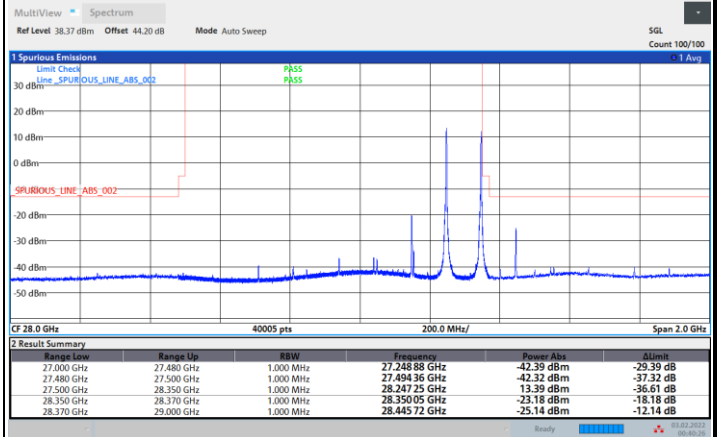
DFT-s-OFDM Module 2

NR Band n261 / 200MHz / BPSK

Lowest Band Edge / 1 RB

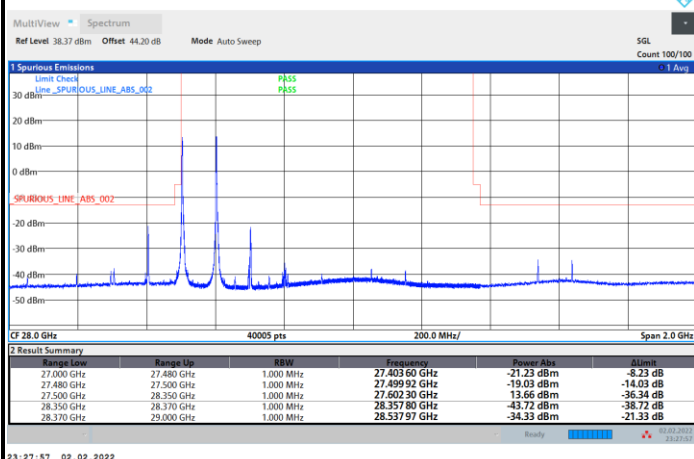


Highest Band Edge / 1 RB

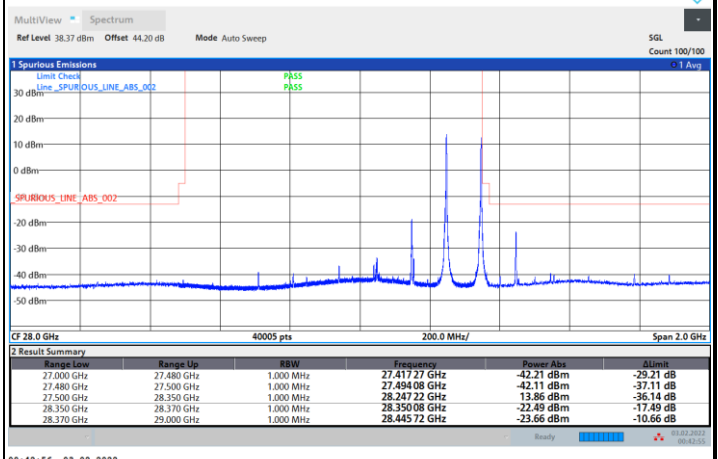


NR Band n261 / 200MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

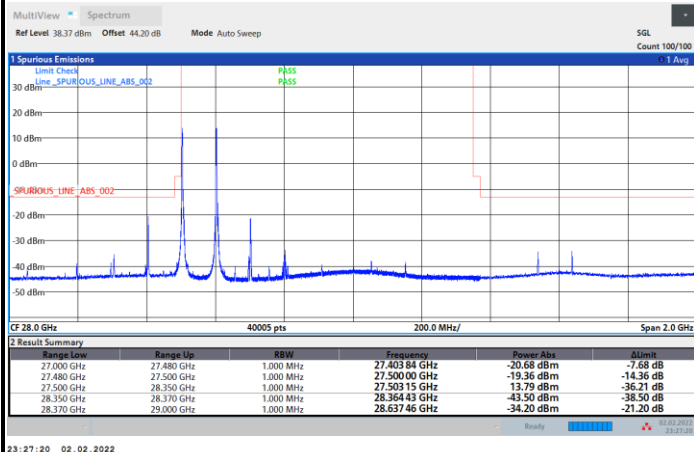




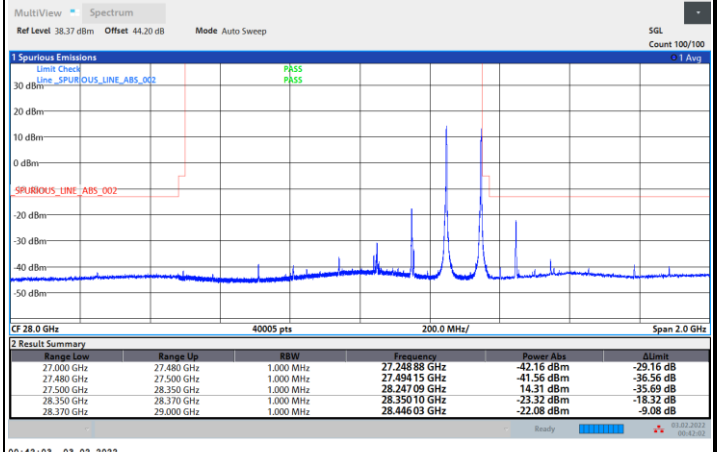
DFT-s-OFDM Module 2

NR Band n261 / 200MHz / 16QAM

Lowest Band Edge / 1 RB

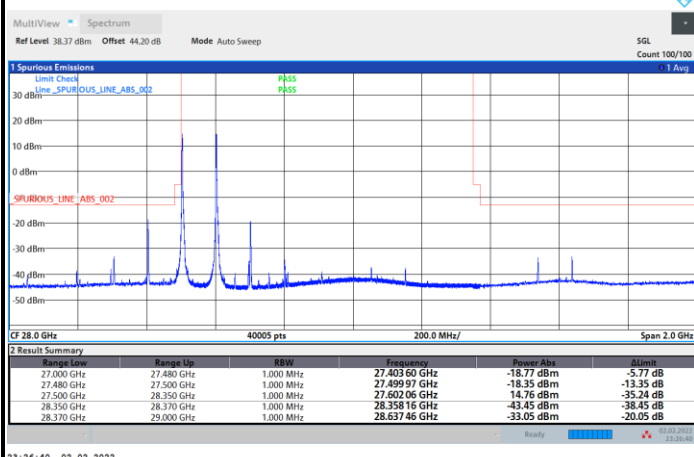


Highest Band Edge / 1 RB

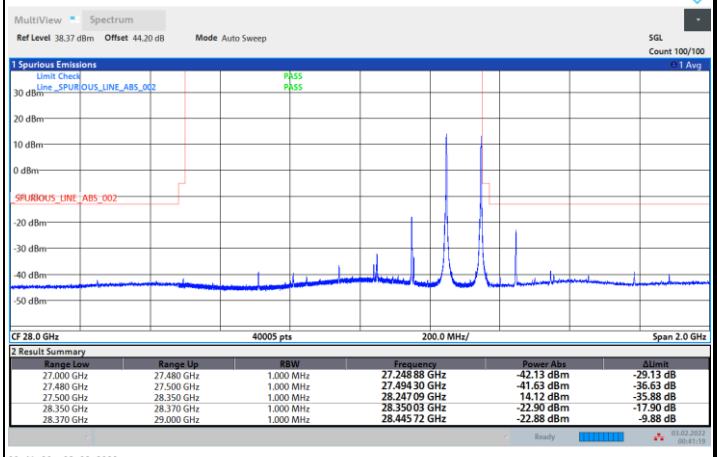


NR Band n261 / 200MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

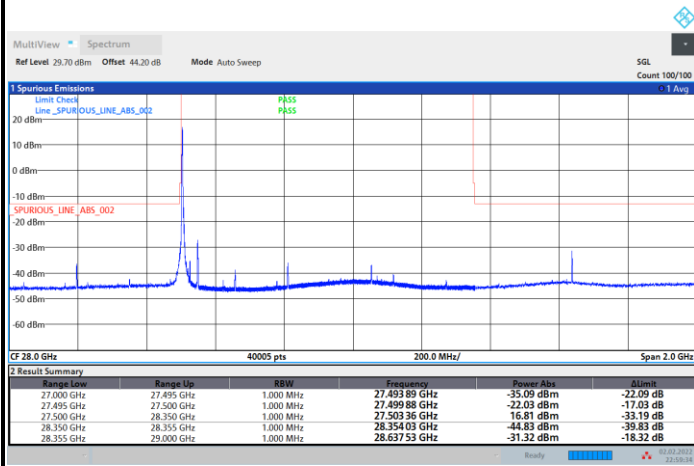




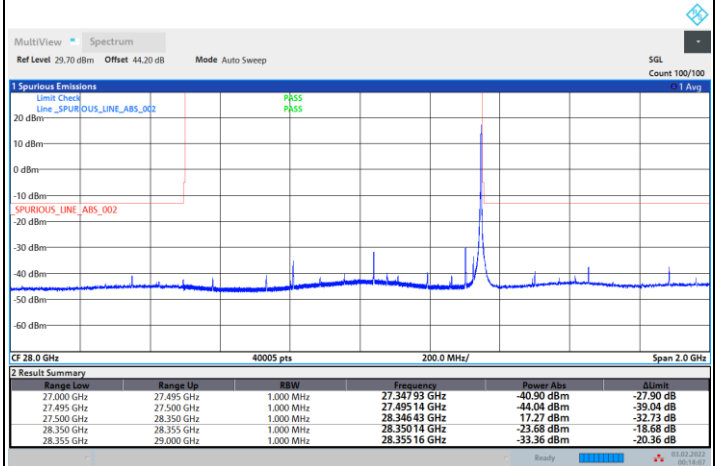
CP-OFDM Module 2

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB

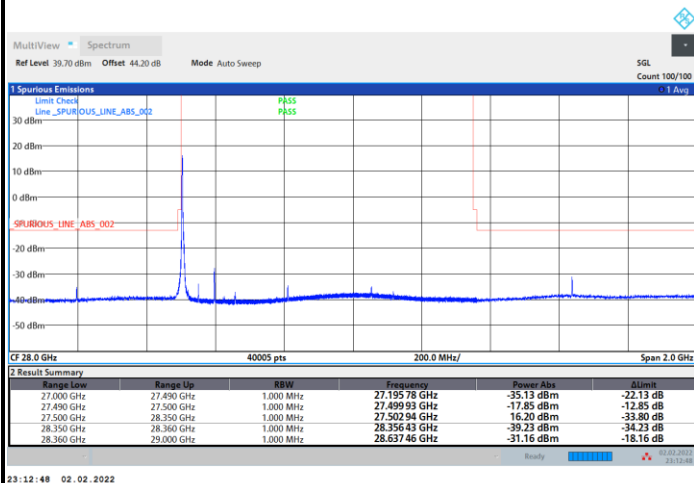


Highest Band Edge / 1 RB

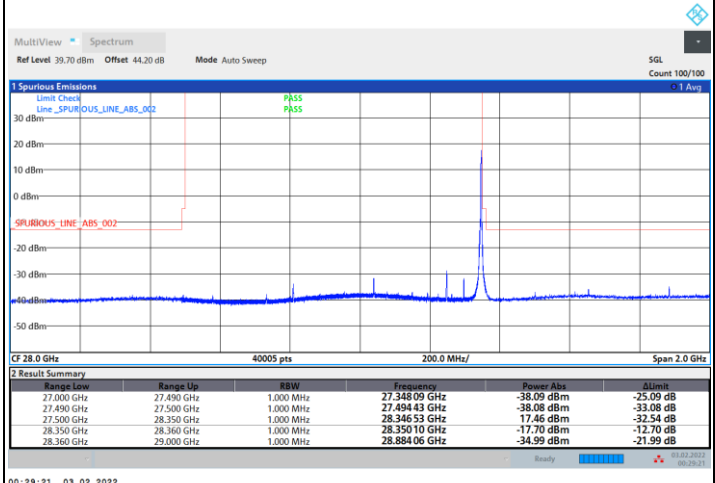


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

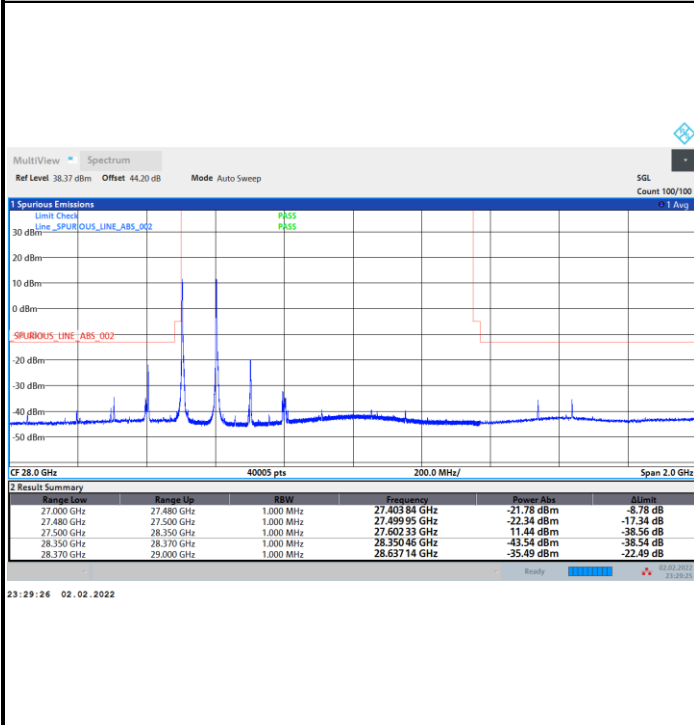




CP-OFDM Module 2

NR Band n261 / 200MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

