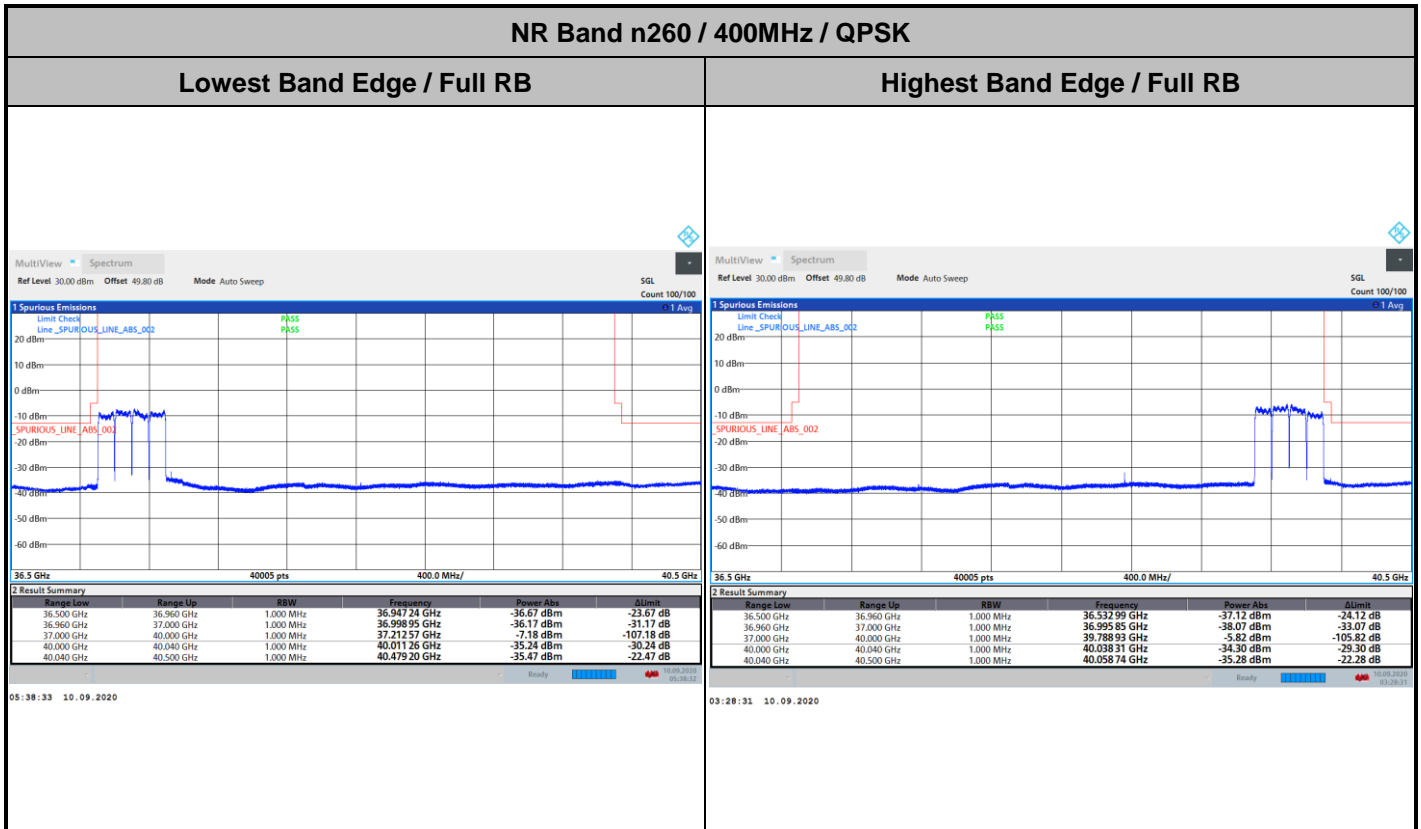




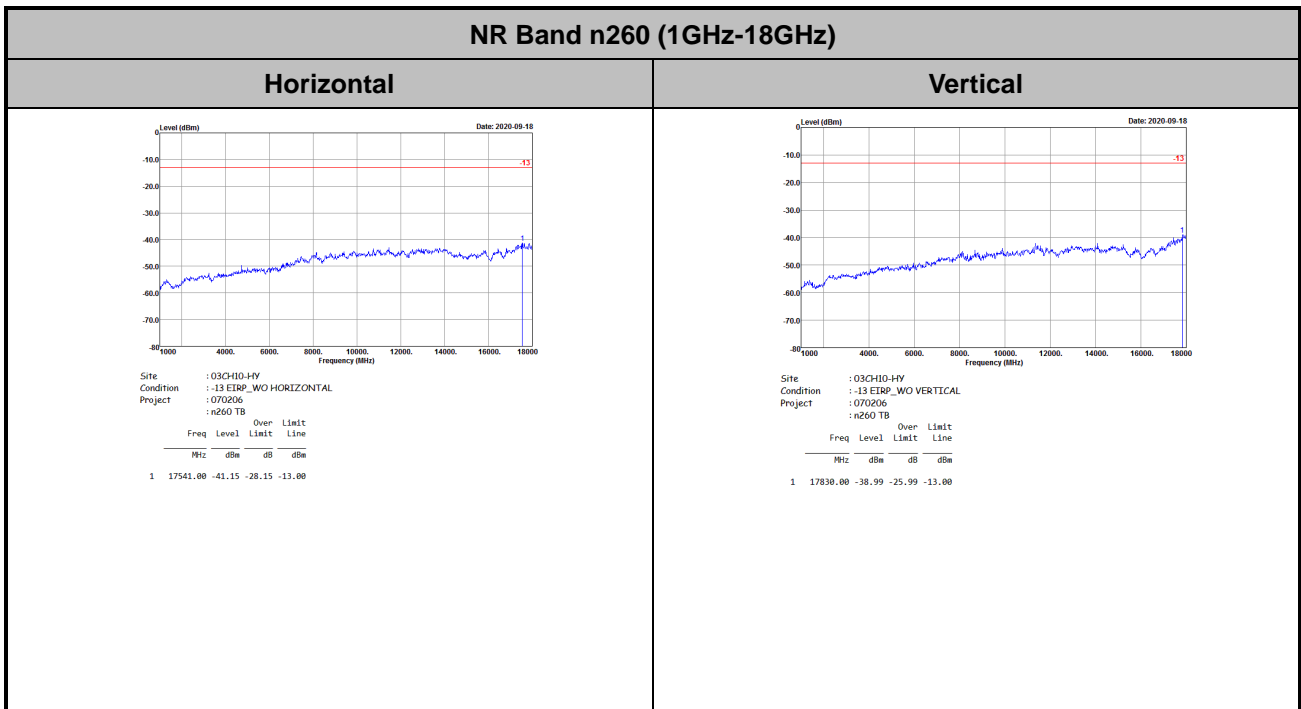
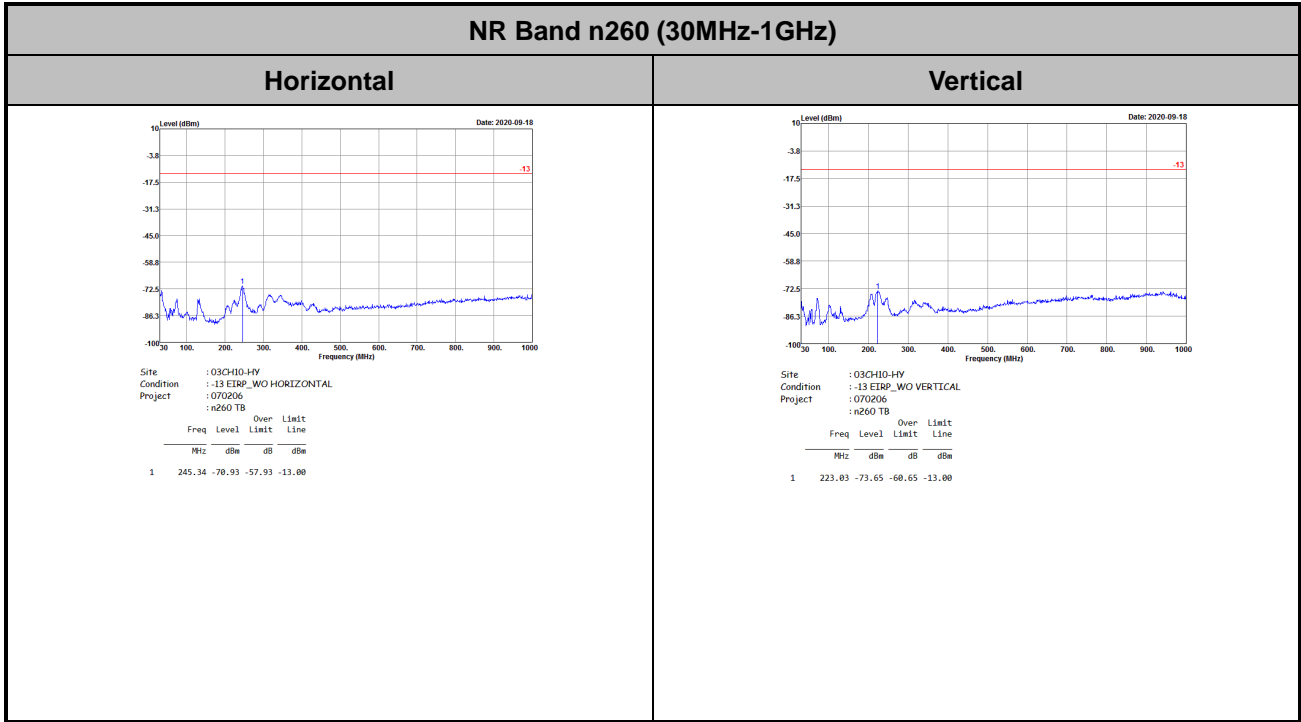
CP-OFDM Module 1





Spurious Emission

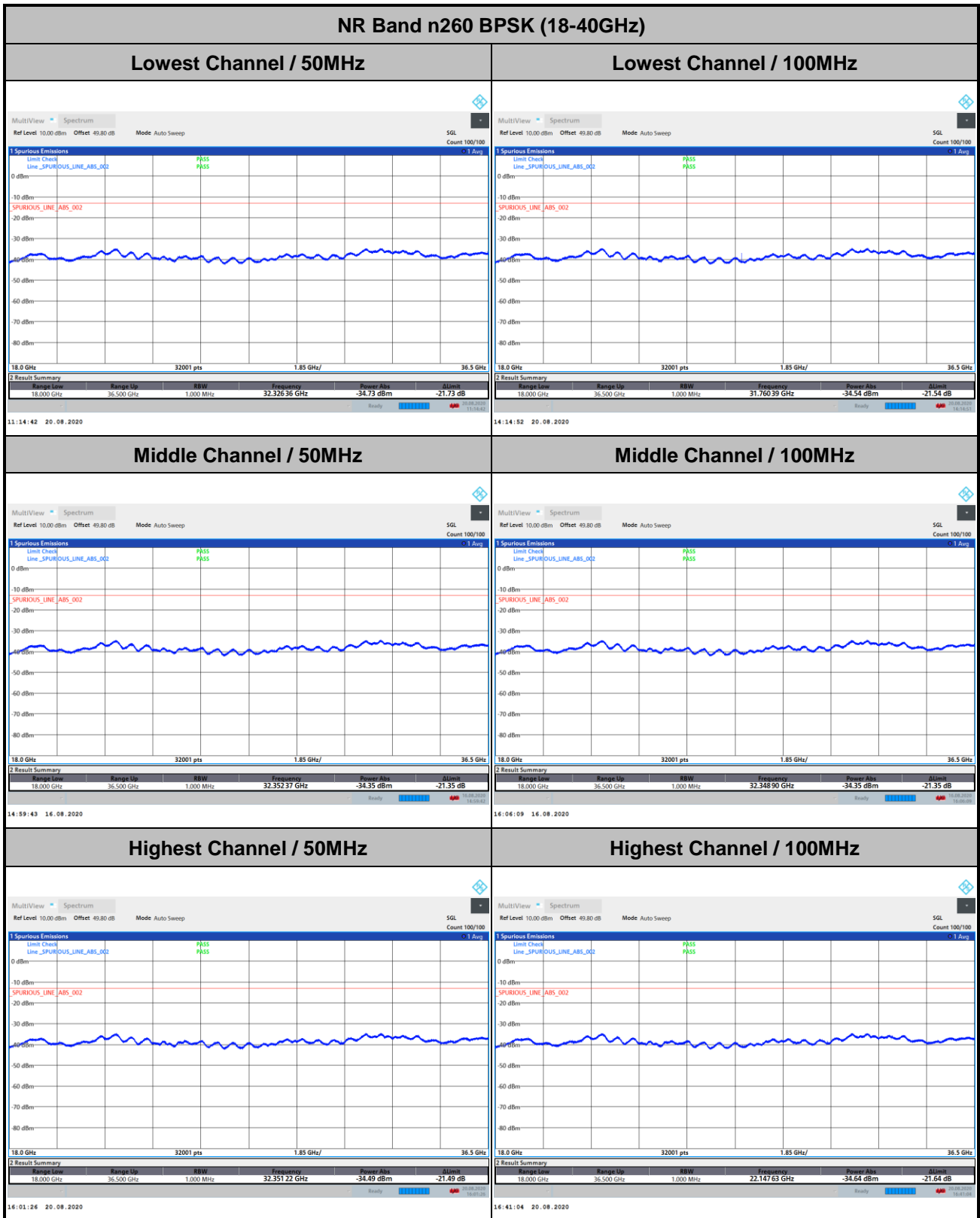
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.





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

DFT-s-OFDM Module 1





DFT-s-OFDM Module 1

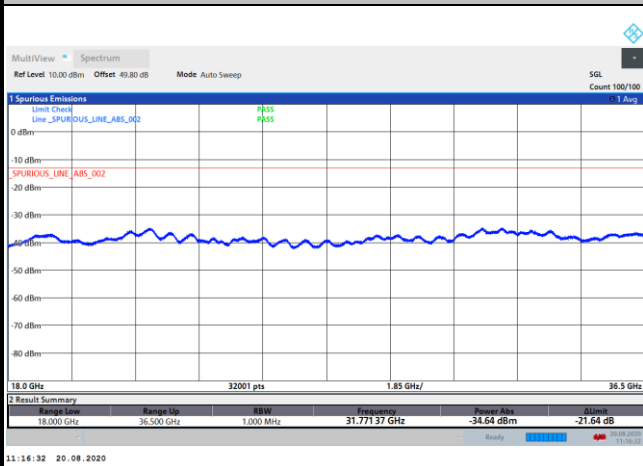
NR Band n260 BPSK (18-40GHz)	
Lowest Channel / 400MHz	
<p>intentionally blank</p>	
Middle Channel / 400MHz	
<p>intentionally blank</p>	
Highest Channel / 400MHz	
<p>intentionally blank</p>	



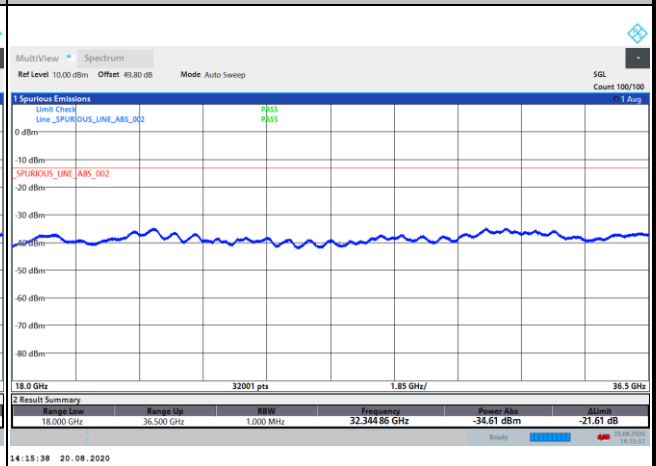
DFT-s-OFDM Module 1

NR Band n260 QPSK (18-40GHz)

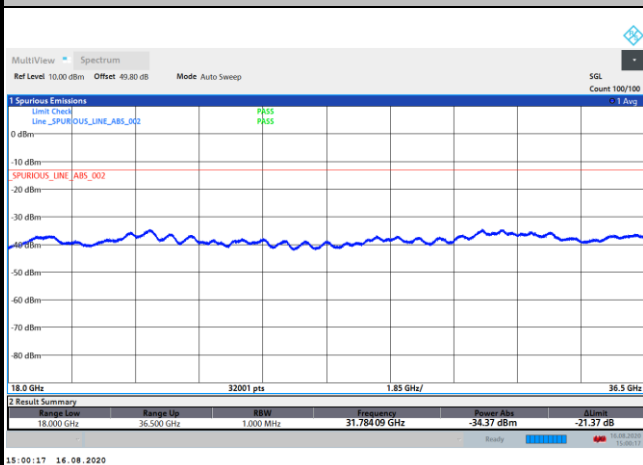
Lowest Channel / 50MHz



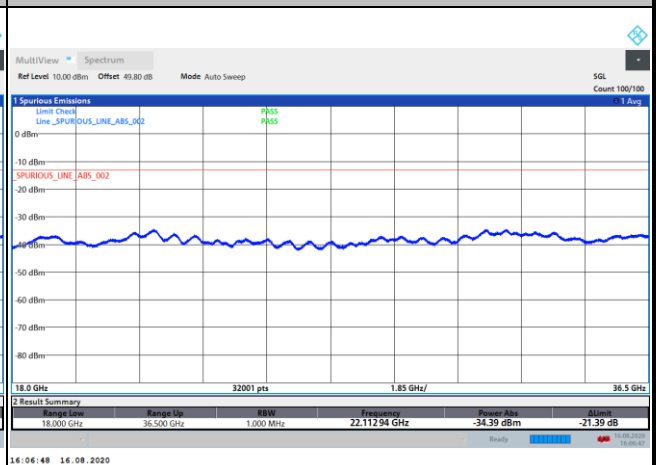
Lowest Channel / 100MHz



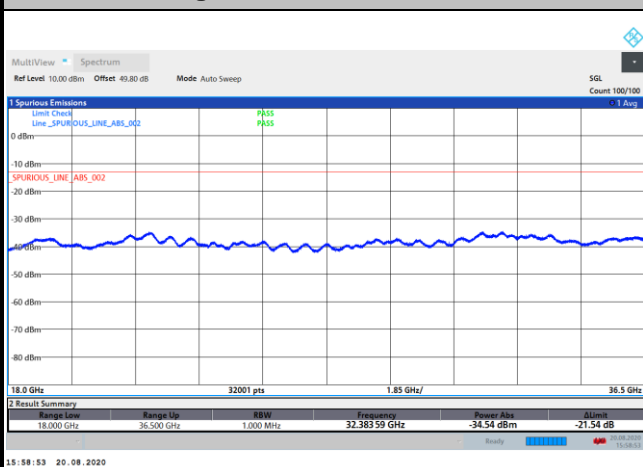
Middle Channel / 50MHz



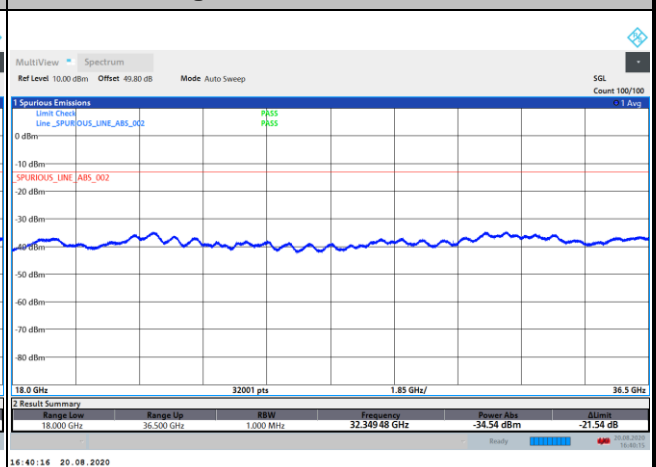
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz

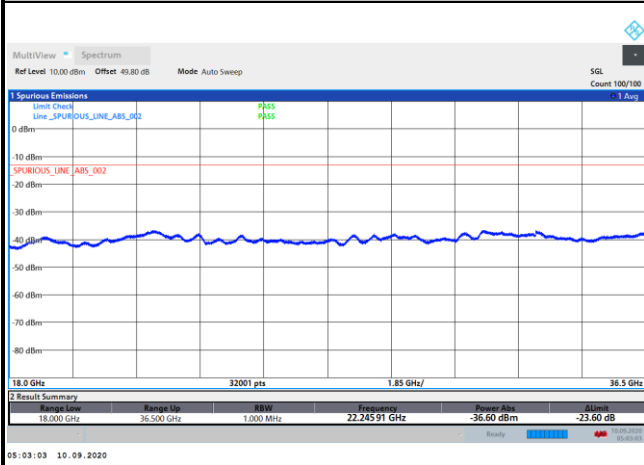




DFT-s-OFDM Module 1

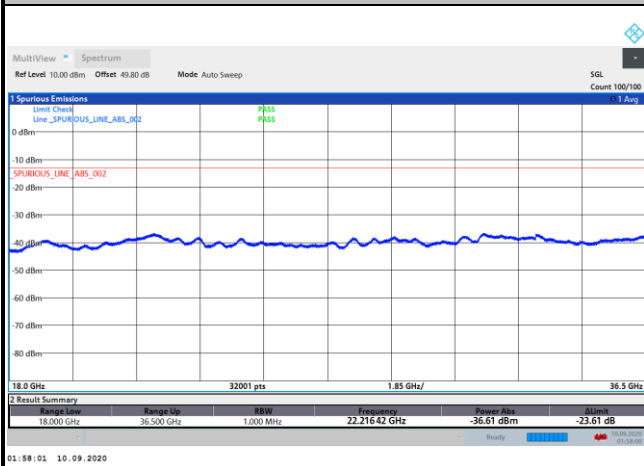
NR Band n260 QPSK (18-40GHz)

Lowest Channel / 400MHz



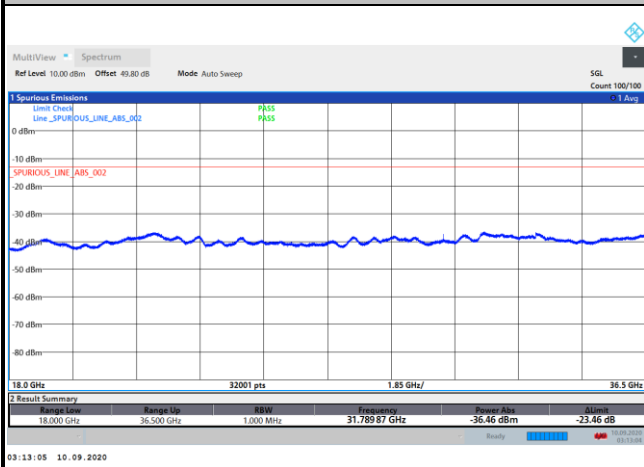
intentionally blank

Middle Channel / 400MHz



intentionally blank

Highest Channel / 400MHz



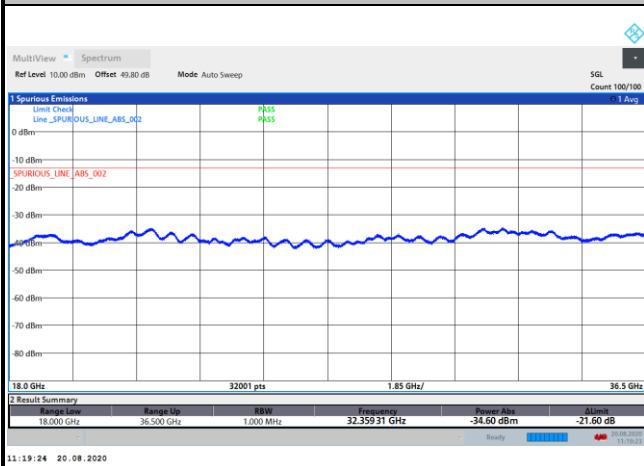
intentionally blank



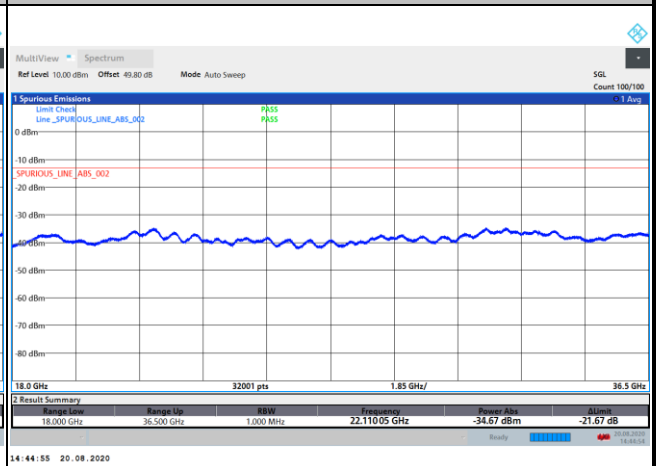
CP-OFDM Module 1

NR Band n260 QPSK (18-40GHz)

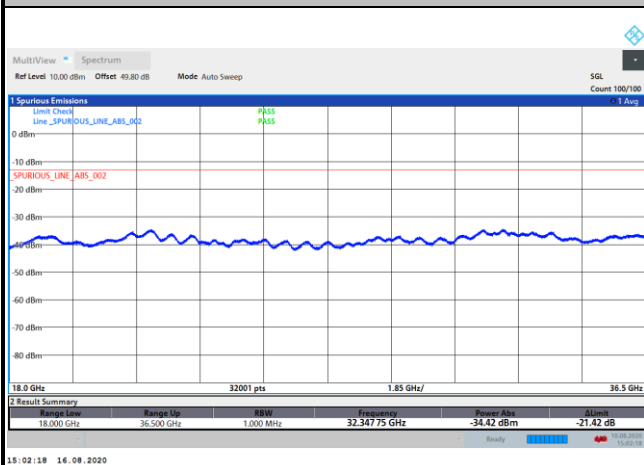
Lowest Channel / 50MHz



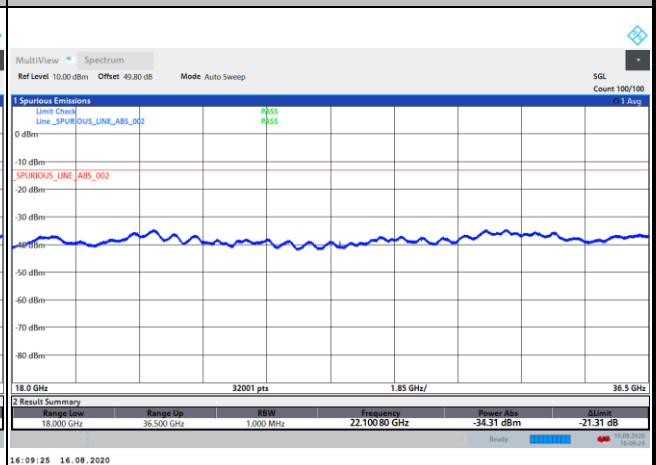
Lowest Channel / 100MHz



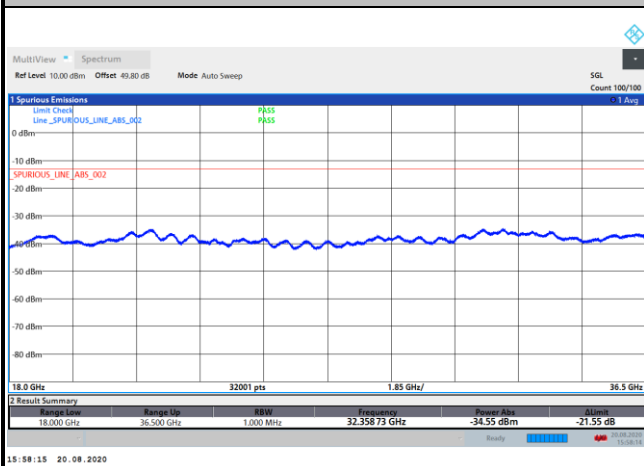
Middle Channel / 50MHz



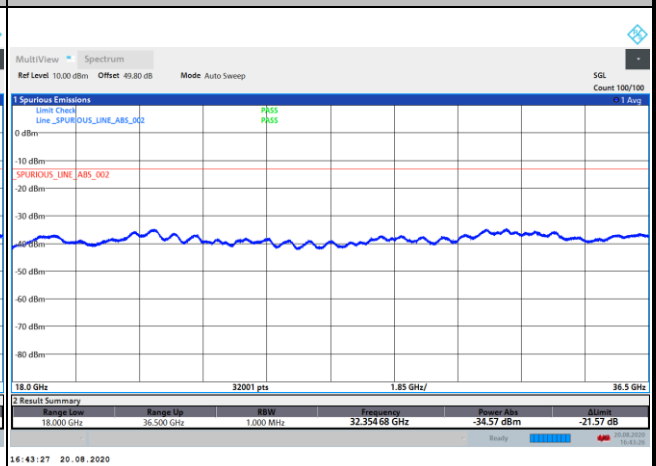
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz



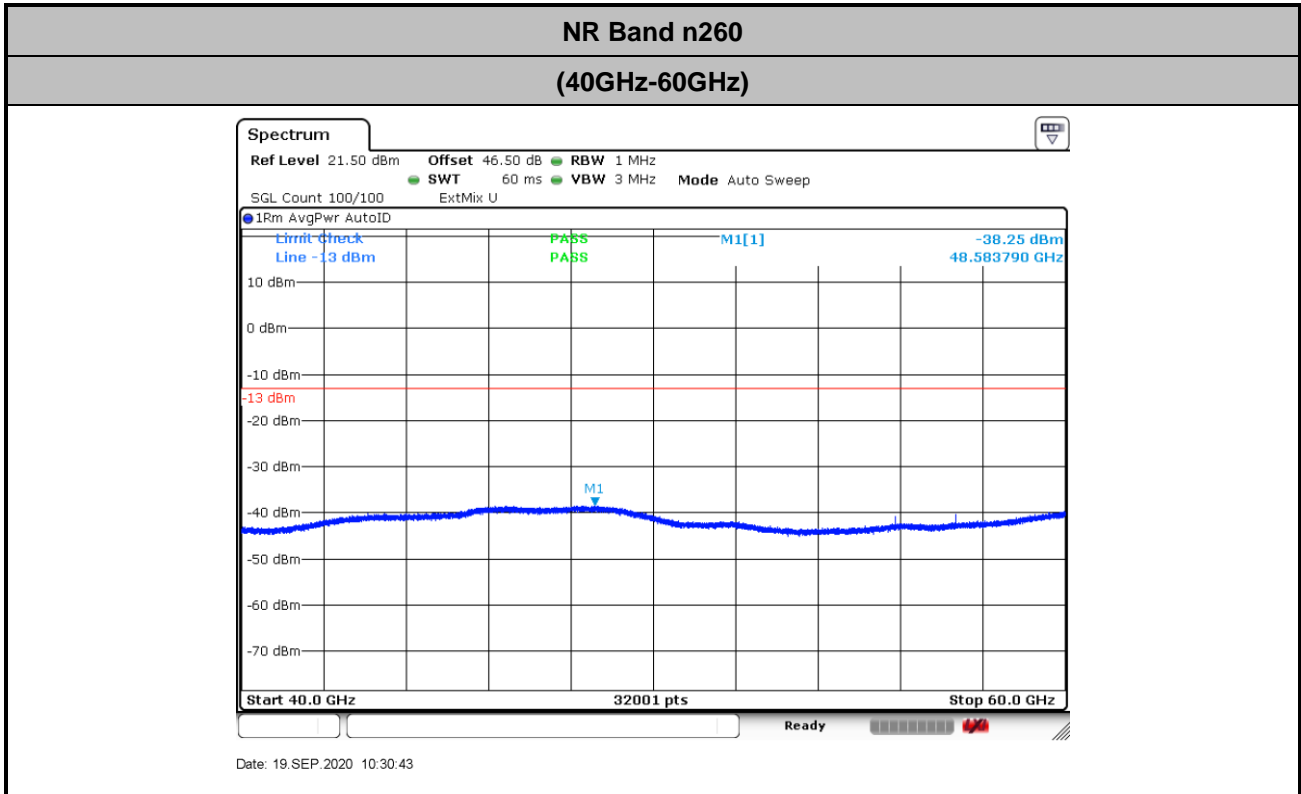


CP-OFDM Module 1

NR Band n260 QPSK (18-40GHz)	
Lowest Channel / 400MHz	
<p>intentionally blank</p>	
Middle Channel / 400MHz	
<p>intentionally blank</p>	
Highest Channel / 400MHz	
<p>intentionally blank</p>	



There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz. Only the noise floor is reported.



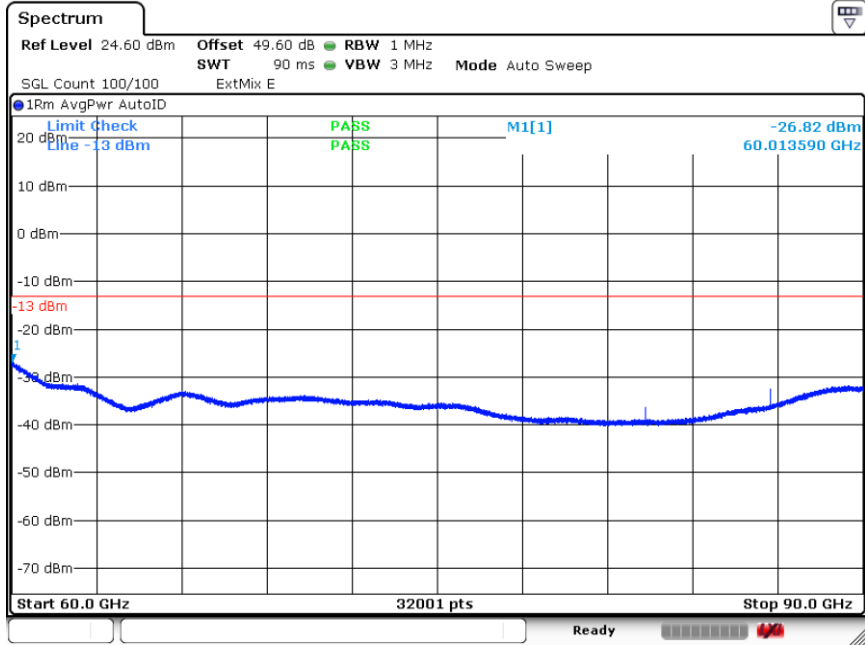
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 42.3 + 2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)}$$



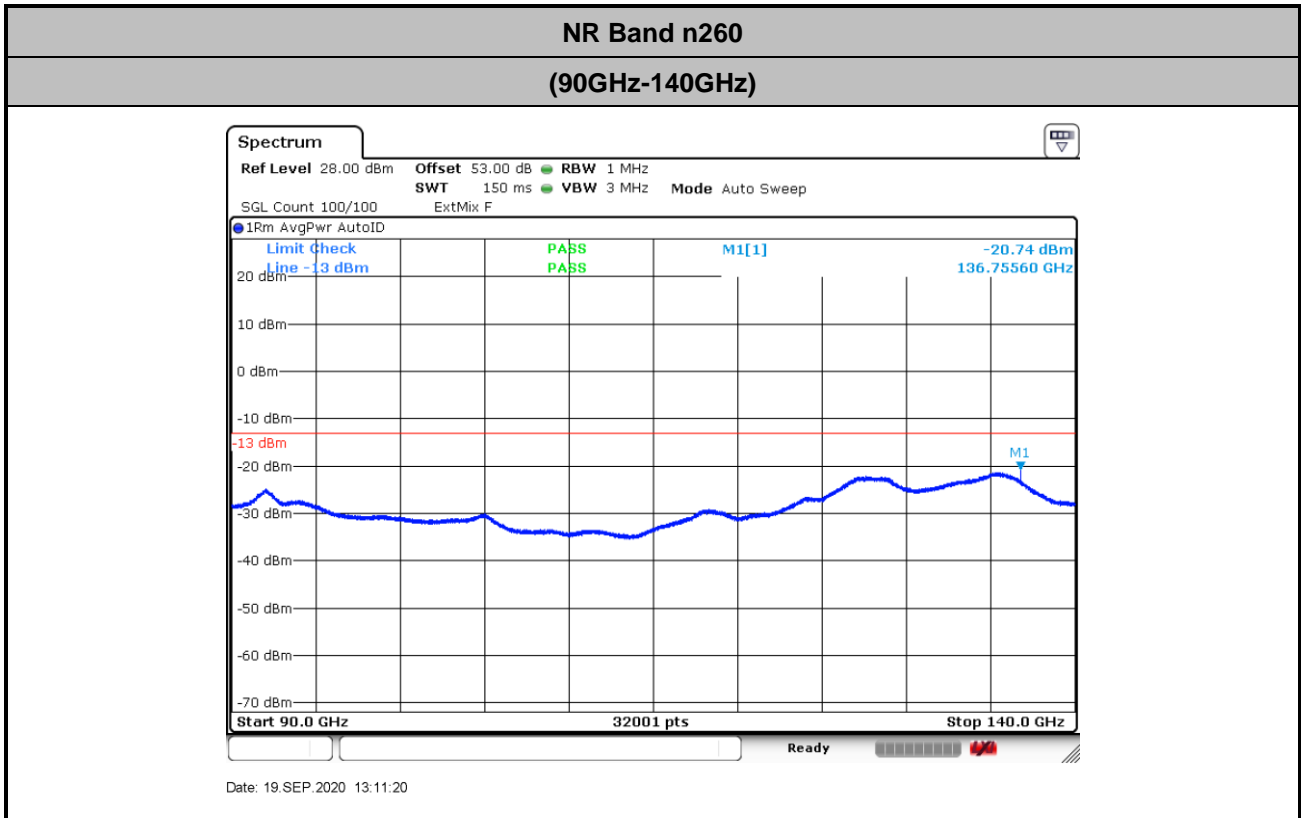
NR Band n260

(60GHz-90GHz)



Date: 19.SEP.2020 11:38:13

Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8
 = 45.4 + 2 + 107 + 20log(1) – 104.8 = 49.6 (dB)



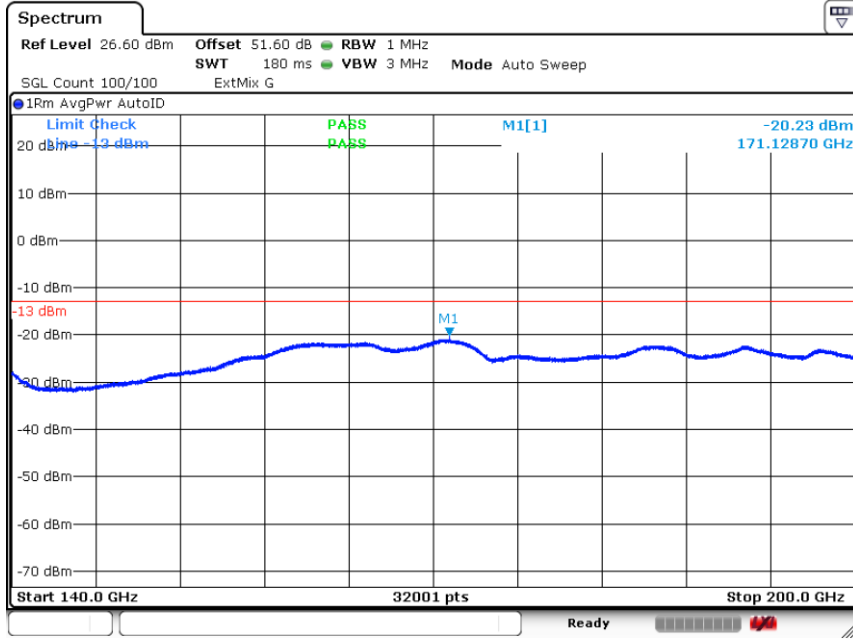
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 48.8 + 2 + 107 + 20\log(1) - 104.8 = 53 \text{ (dB)}$$



NR Band n260

(140GHz-200GHz)



Date: 19.SEP.2020 13:41:53

$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 53.4 + 2 + 107 + 20\log(0.5) - 104.8 = 51.6 \text{ (dB)}
 \end{aligned}$$



NR Band n260 Module 2 AG0

Occupied Bandwidth

Mode	DFT-s-OFDM Module 2 NR Band n260 : 99%OBW(MHz)											
BW	50MHz				100MHz				400MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.37	45.33	-	-	90.24	90.53	-	-	389.12	388.63	-	-
Middle CH	45.24	45.12	45.20	45.18	90.40	90.25	89.99	90.71	387.47	388.39	387.79	387.77
Highest CH	45.10	45.06	-	-	90.33	90.34	-	-	387.95	387.81	-	-

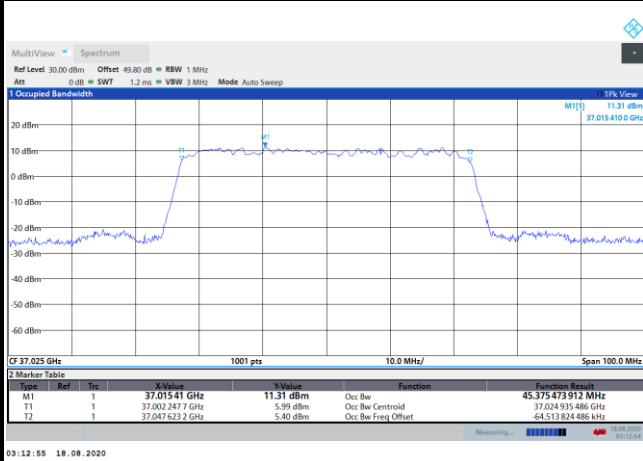
Mode	CP-OFDM Module 2 NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.36	-	-	92.80	-	-	391.00	-	-
Middle CH	45.27	45.36	45.13	92.77	92.98	93.17	389.68	390.12	391.85
Highest CH	45.24	-	-	92.75	-	-	390.11	-	-



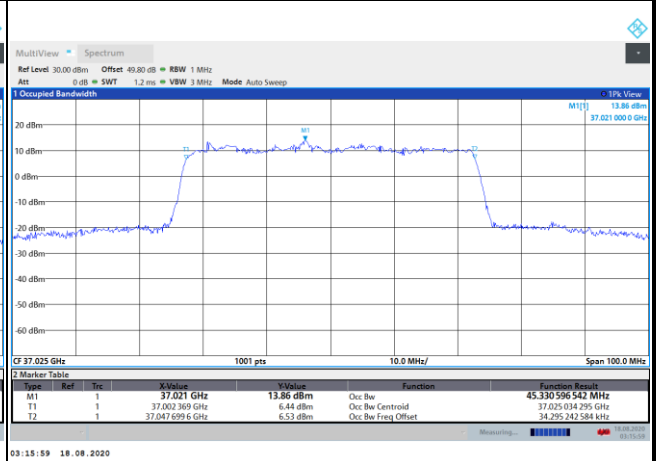
DFT-s-OFDM Module 2

NR Band n260

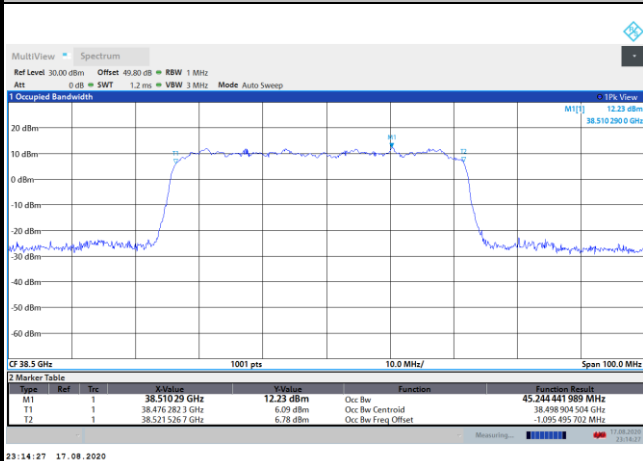
Lowest Channel / 50MHz / BPSK



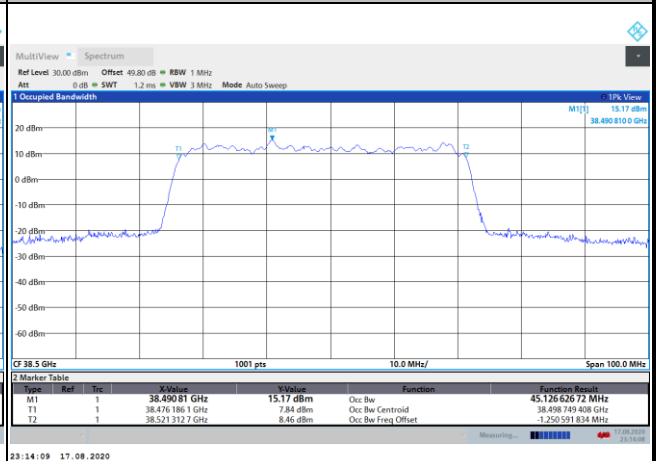
Lowest Channel / 50MHz / QPSK



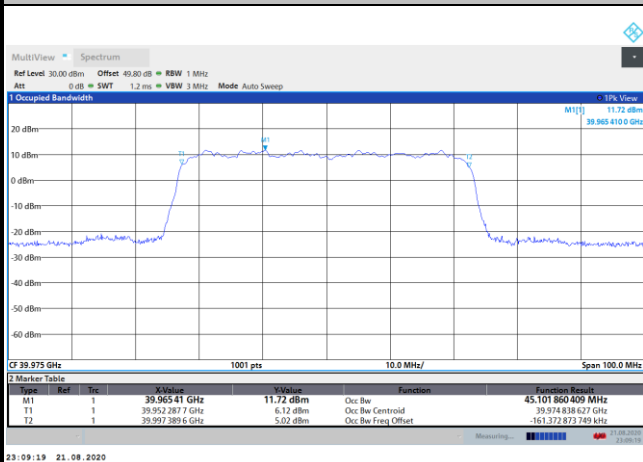
Middle Channel / 50MHz / BPSK



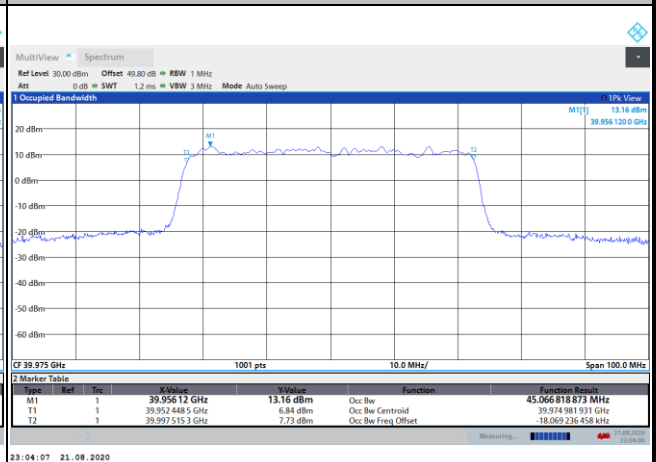
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK

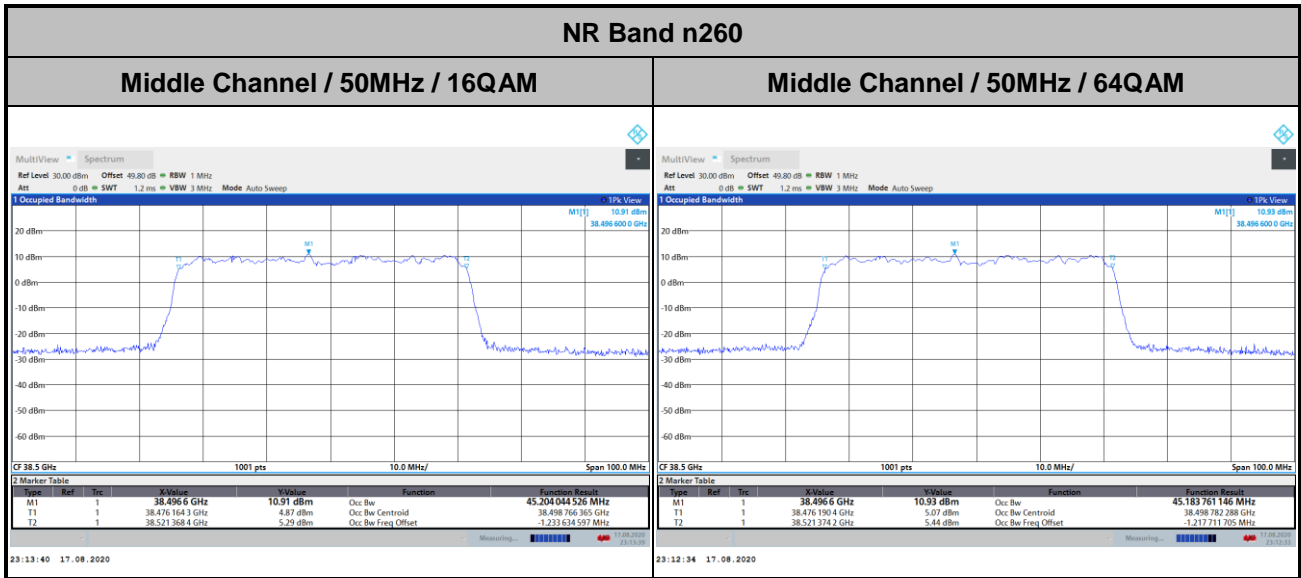


Highest Channel / 50MHz / QPSK





DFT-s-OFDM Module 2

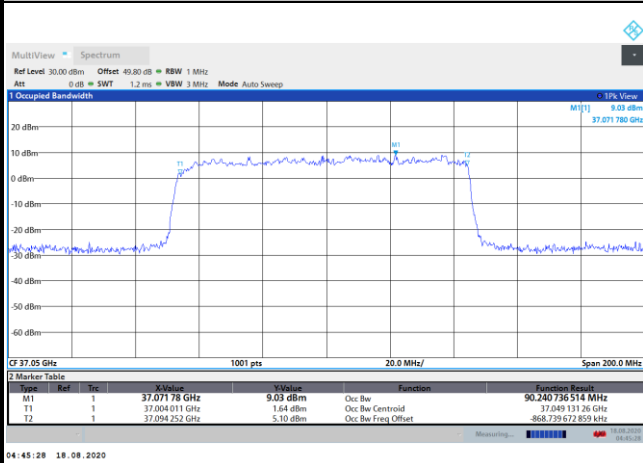




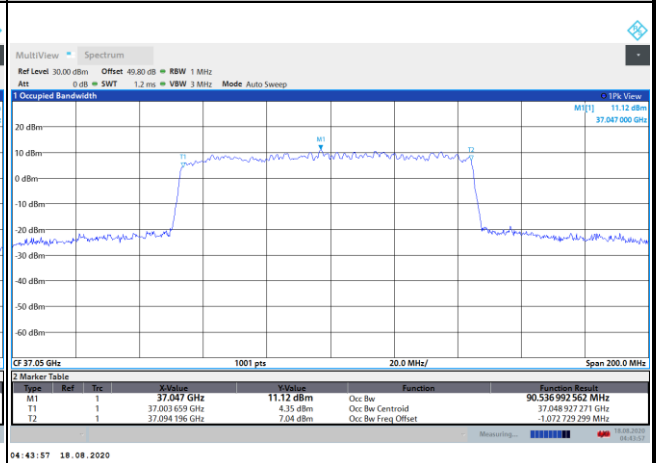
DFT-s-OFDM Module 2

NR Band n260

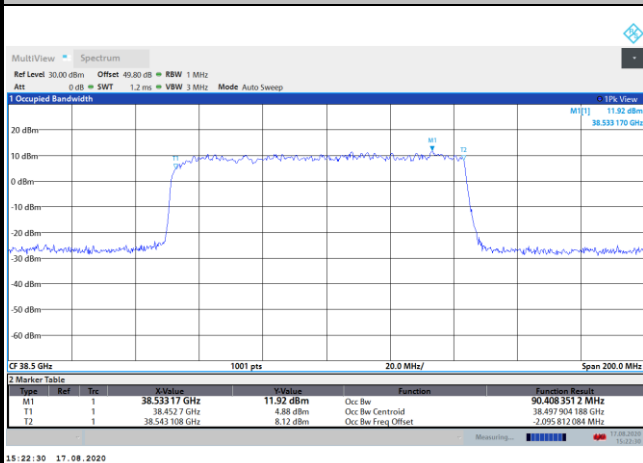
Lowest Channel / 100MHz / BPSK



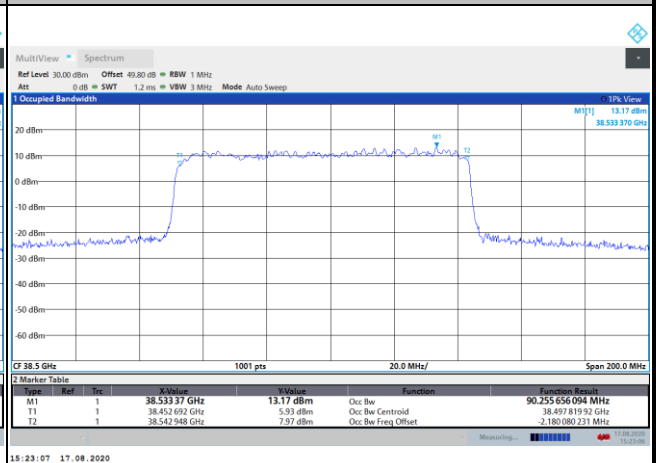
Lowest Channel / 100MHz / QPSK



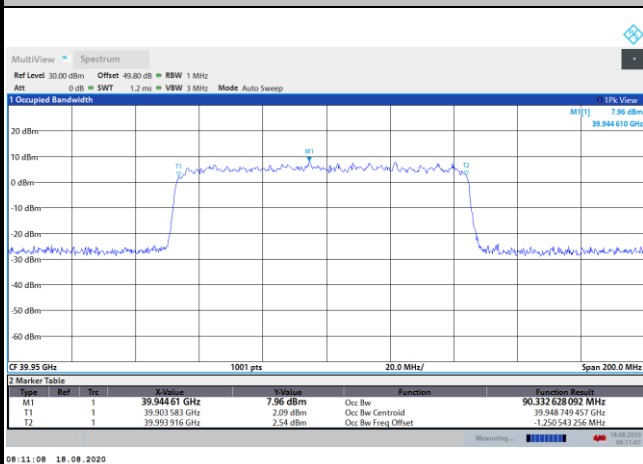
Middle Channel / 100MHz / BPSK



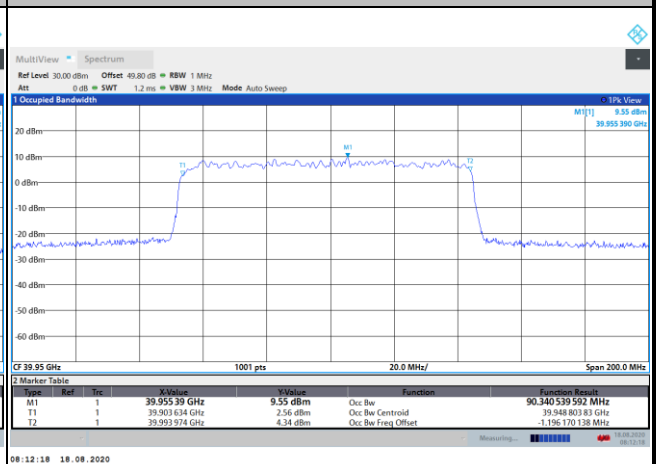
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK

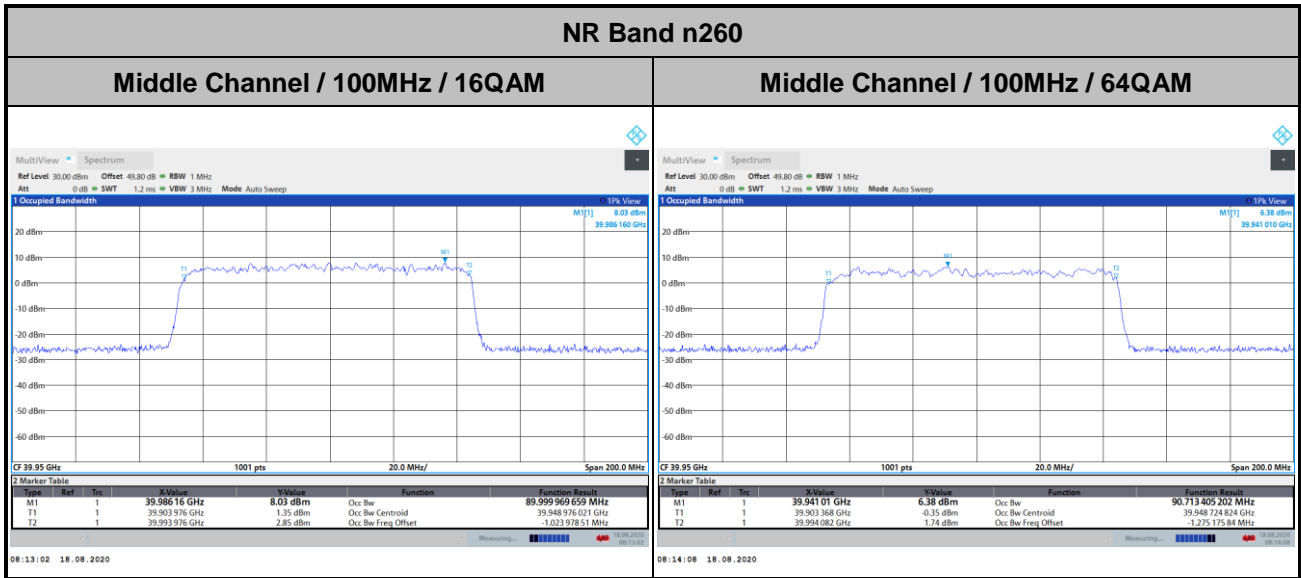


Highest Channel / 100MHz / QPSK





DFT-s-OFDM Module 2

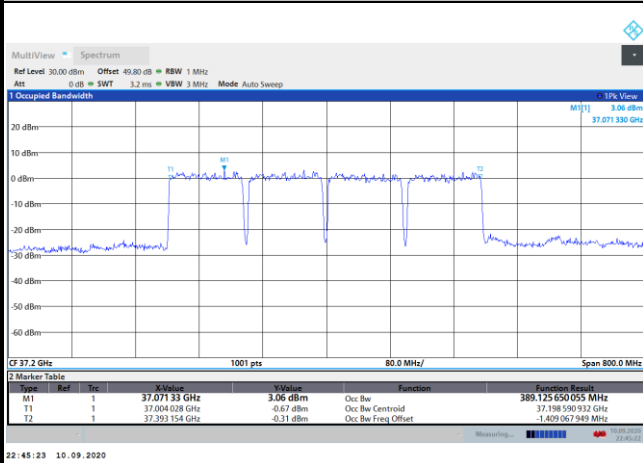




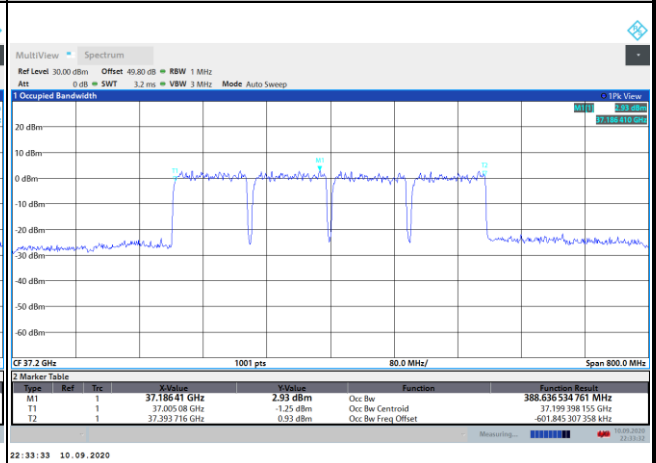
DFT-s-OFDM Module 2

NR Band n260

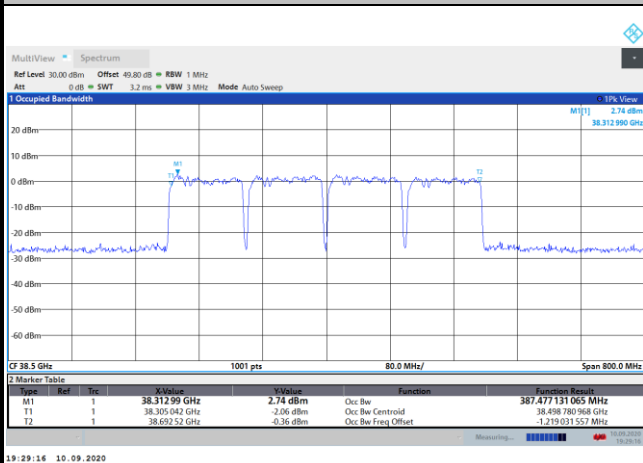
Lowest Channel / 400MHz / BPSK



Lowest Channel / 400MHz / QPSK



Middle Channel / 400MHz / BPSK



Middle Channel / 400MHz / QPSK



Highest Channel / 400MHz / BPSK

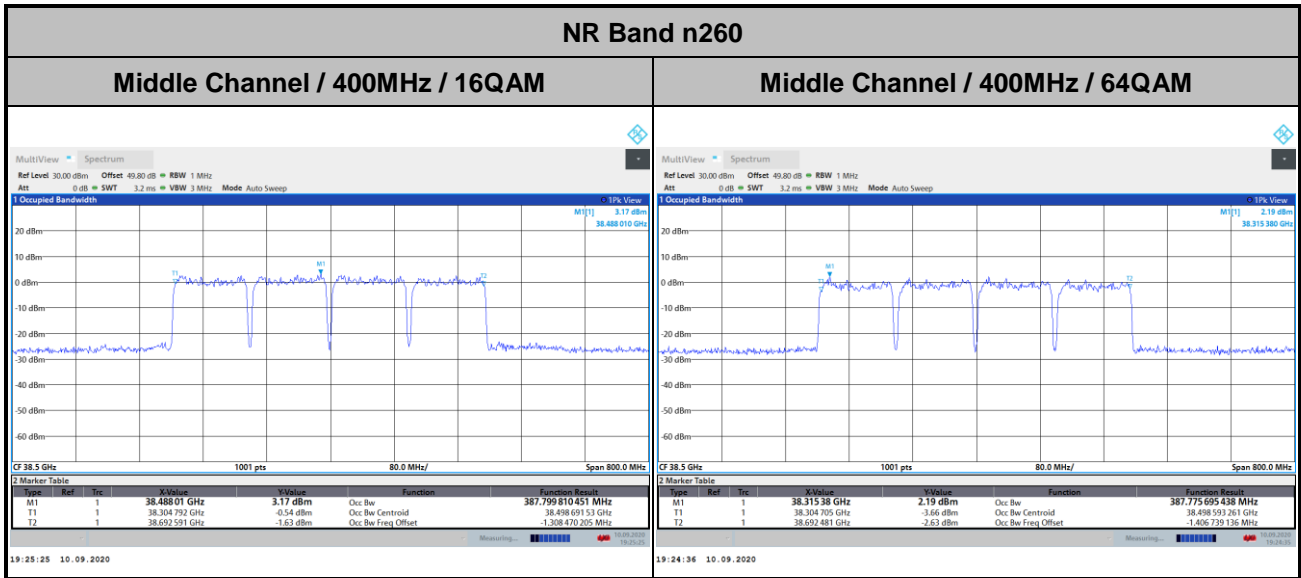


Highest Channel / 400MHz / QPSK





DFT-s-OFDM Module 2

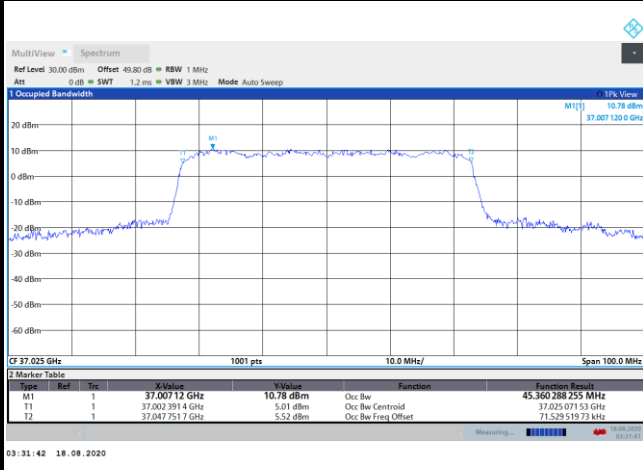




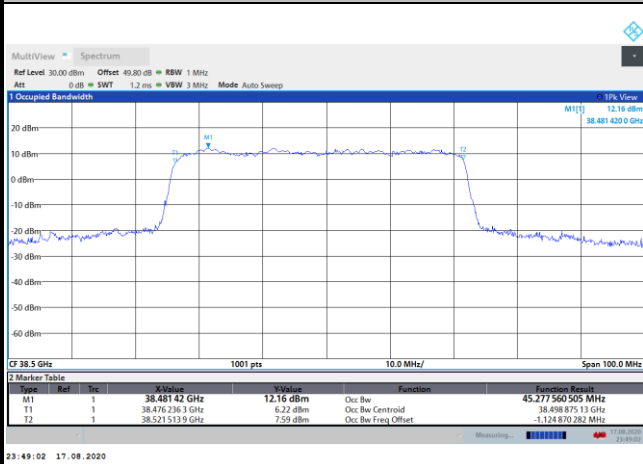
CP-OFDM Module 2

NR Band n260

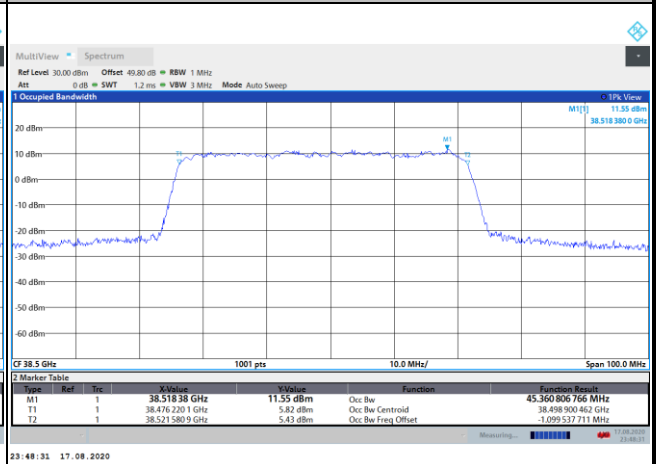
Lowest Channel / 50MHz / QPSK



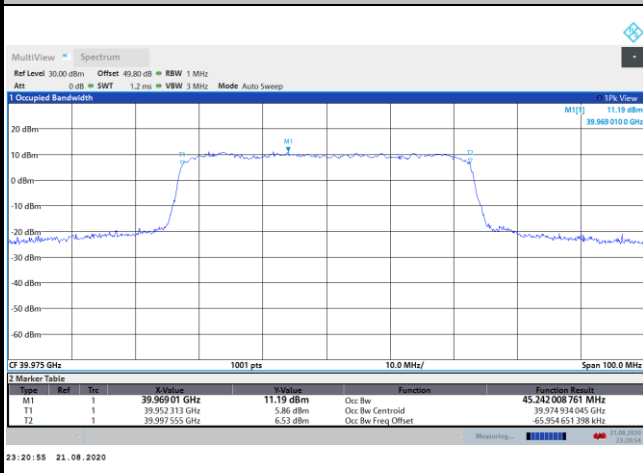
Middle Channel / 50MHz / QPSK



Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK

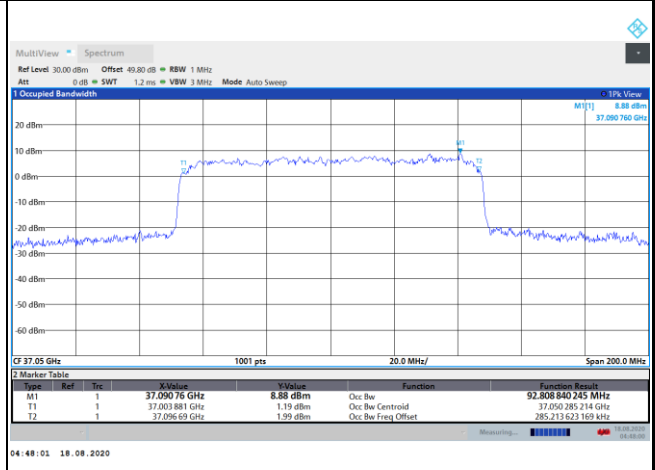
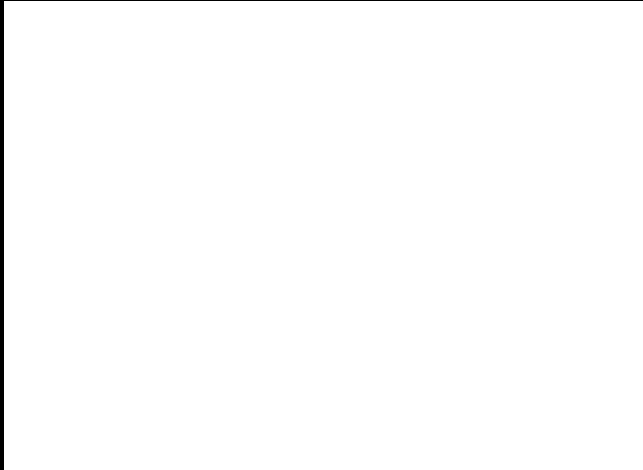




CP-OFDM Module 2

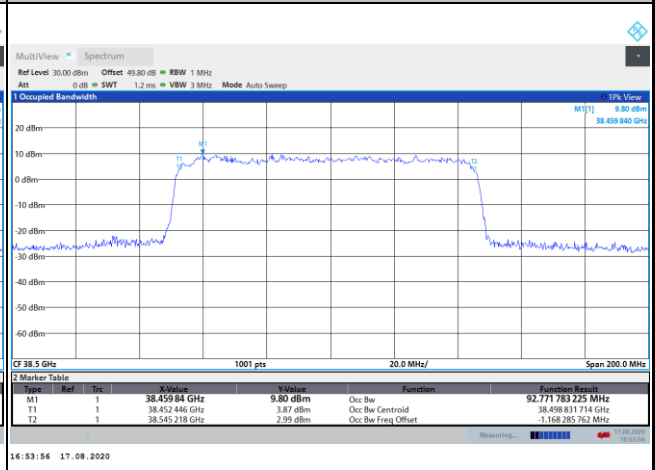
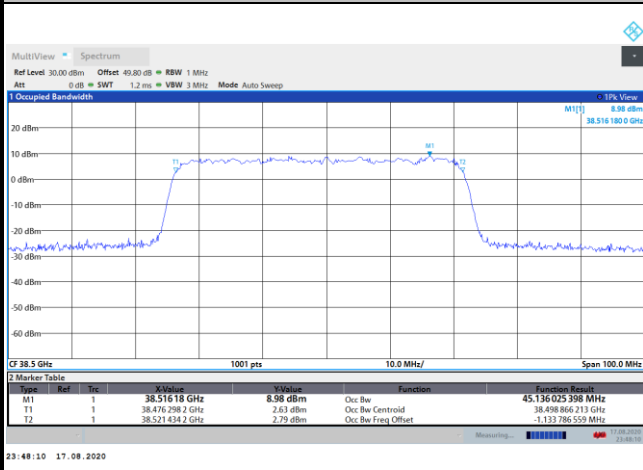
NR Band n260

Lowest Channel / 100MHz / QPSK

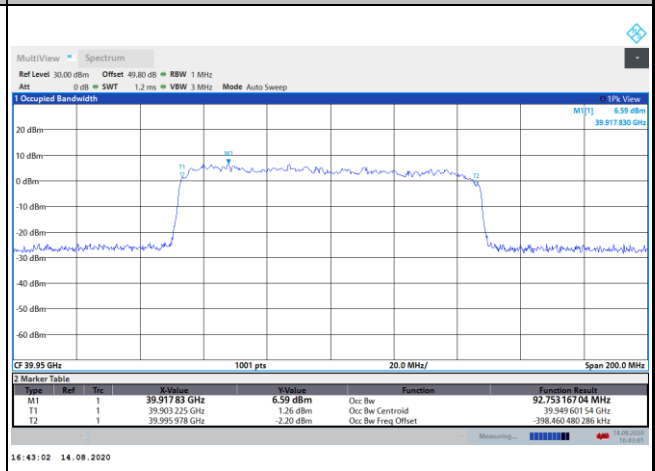
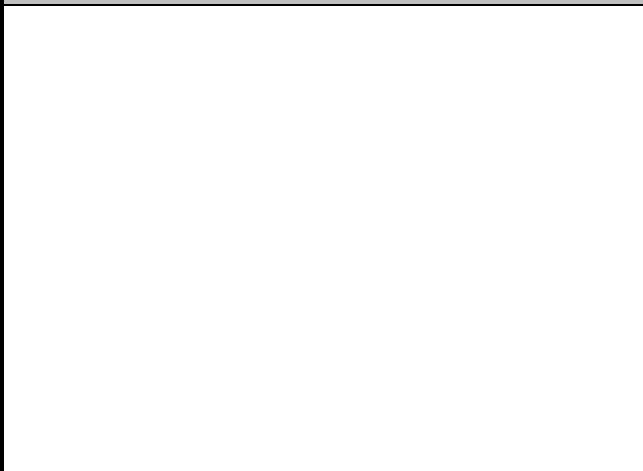


Middle Channel / 50MHz / 64QAM

Middle Channel / 100MHz / QPSK

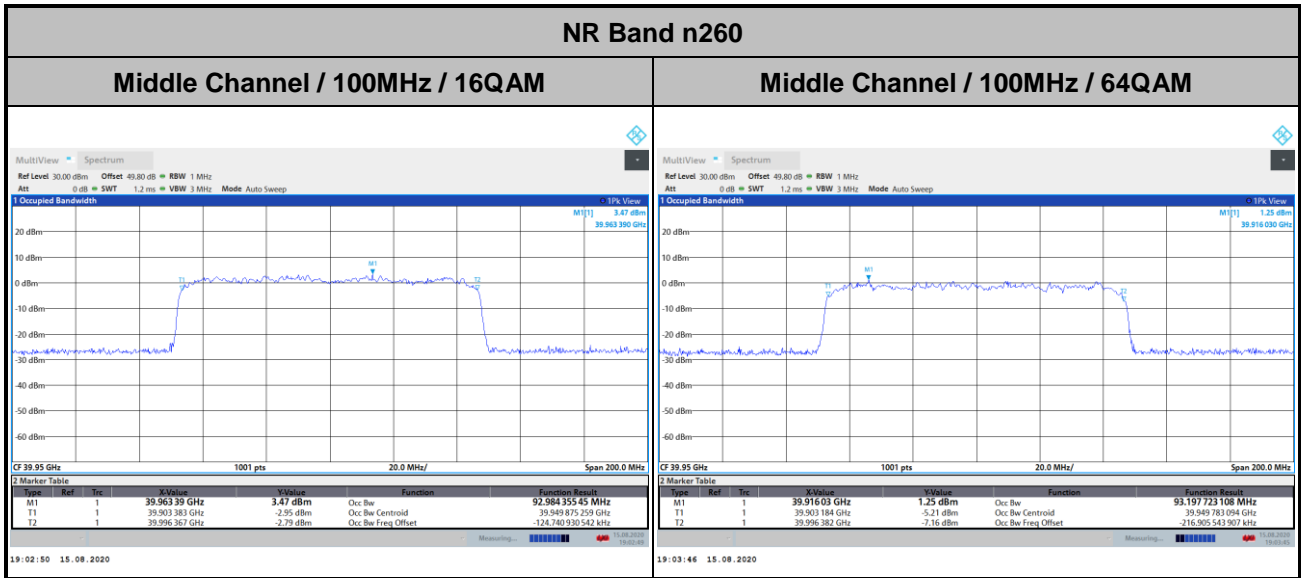


Highest Channel / 100MHz / QPSK





CP-OFDM Module 2





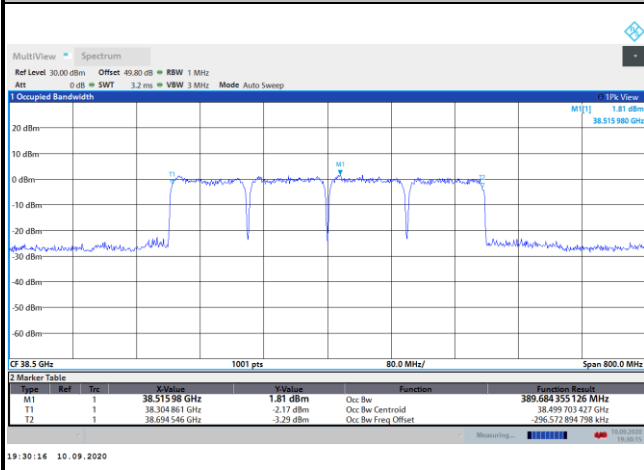
CP-OFDM Module 2

NR Band n260

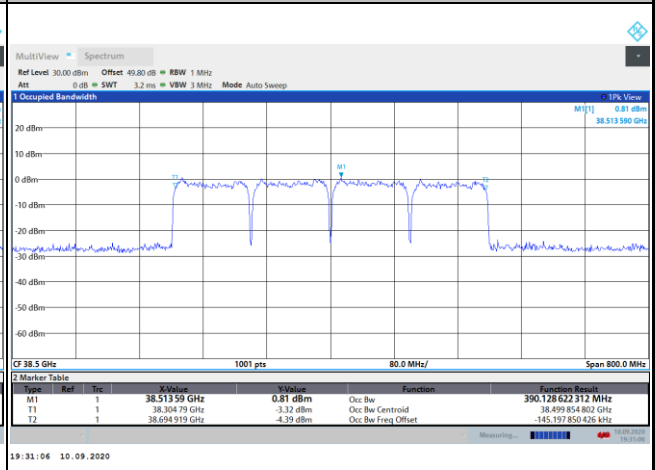
Lowest Channel / 400MHz / QPSK



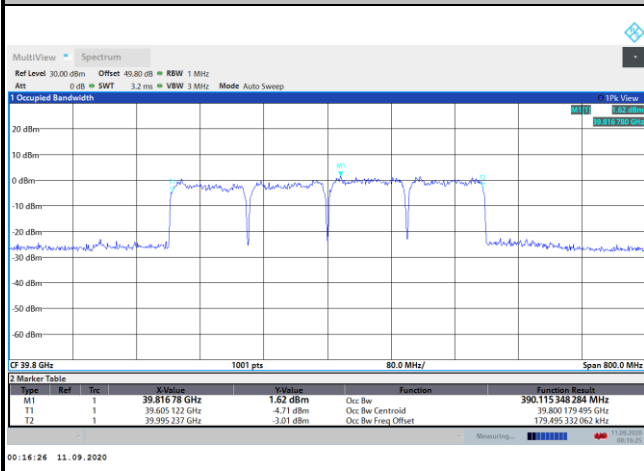
Middle Channel / 400MHz / QPSK



Middle Channel / 400MHz / 16QAM



Highest Channel / 400MHz / QPSK

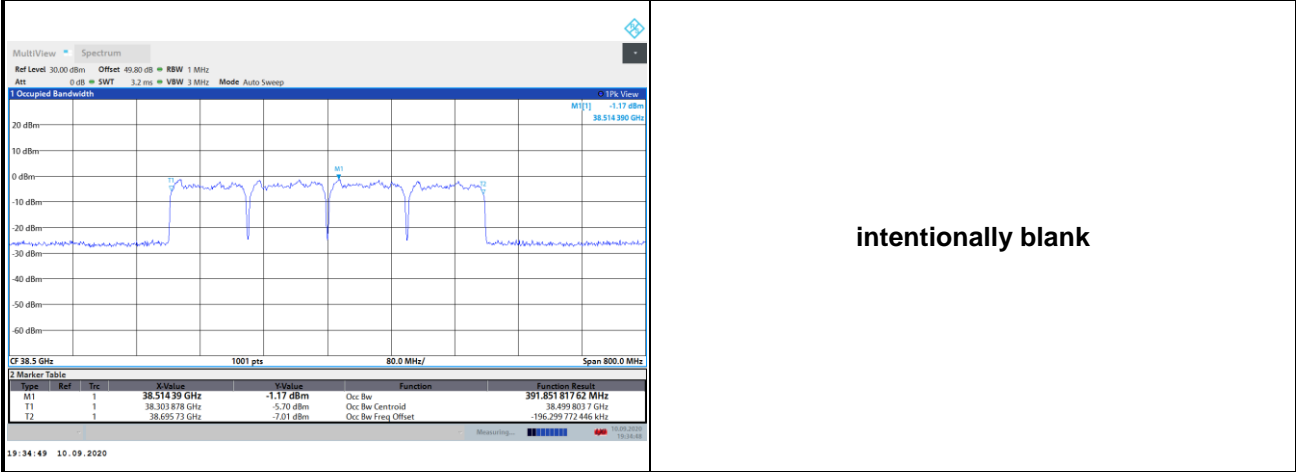




CP-OFDM Module 2

NR Band n260

Middle Channel / 400MHz / 64QAM





Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 2 NR Band n260 : BE (dBm) 1 RB											
BW			50MHz				100MHz				400MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-18.46	-17.85	-	-	-23.13	-19.93	-	-	-30.32	-27.66	-	-
	>10%OB	≤ -13	-33.01	-32.61	-	-	-35.58	-33.58	-	-	-36.75	-33.3	-	-
High CH	0~10%OB	≤ -5	-20.62	-18.55	-	-	-24.14	-24.77	-	-	-31.05	-29.64	-	-
	>10%OB	≤ -13	-32.22	-31.21	-	-	-33.46	-33.65	-	-	-35.26	-34.52	-	-
Result			Compliance											

Mode			CP-OFDM Module 2 NR Band n260 : BE (dBm) 1 RB									
BW			50MHz			100MHz			400MHz			
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
Low CH	0~10%OB	≤ -5	-17.34	-	-	-25.01	-	-	-28.77	-	-	
	>10%OB	≤ -13	-33.43	-	-	-35.83	-	-	-31.01	-	-	
High CH	0~10%OB	≤ -5	-21.56	-	-	-27.14	-	-	-29.92	-	-	
	>10%OB	≤ -13	-32.15	-	-	-34.16	-	-	-33.5	-	-	
Result			Compliance									

Mode			DFT-s-OFDM Module 2 NR Band n260 : BE (dBm) Full RB											
BW			50MHz				100MHz				400MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-29.09	-26	-	-	-32.31	-28.43	-	-	-35.24	-34.81	-	-
	>10%OB	≤ -13	-33.81	-28.4	-	-	-35.32	-31.56	-	-	-35.72	-34.99	-	-
High CH	0~10%OB	≤ -5	-30.84	-30.68	-	-	-34.24	-31.89	-	-	-34.56	-32.95	-	-
	>10%OB	≤ -13	-34.09	-33.98	-	-	-33.97	-33.34	-	-	-35.05	-33.98	-	-
Result			Compliance											

Mode			CP-OFDM Module 2 NR Band n260 : BE (dBm) Full RB									
BW			50MHz			100MHz			400MHz			
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	
Low CH	0~10%OB	≤ -5	-32.13	-	-	-30.46	-	-	-34.52	-	-	
	>10%OB	≤ -13	-35.16	-	-	-31.65	-	-	-35.15	-	-	
High CH	0~10%OB	≤ -5	-29.32	-	-	-34.14	-	-	-33.93	-	-	
	>10%OB	≤ -13	-31.35	-	-	-34.17	-	-	-34.44	-	-	
Result			Compliance									

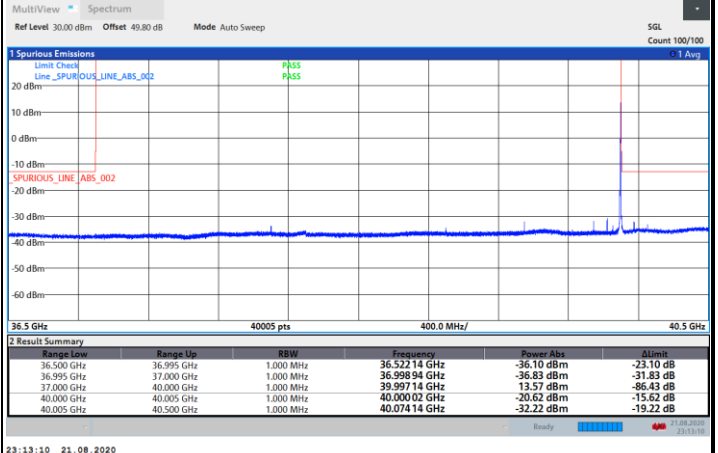
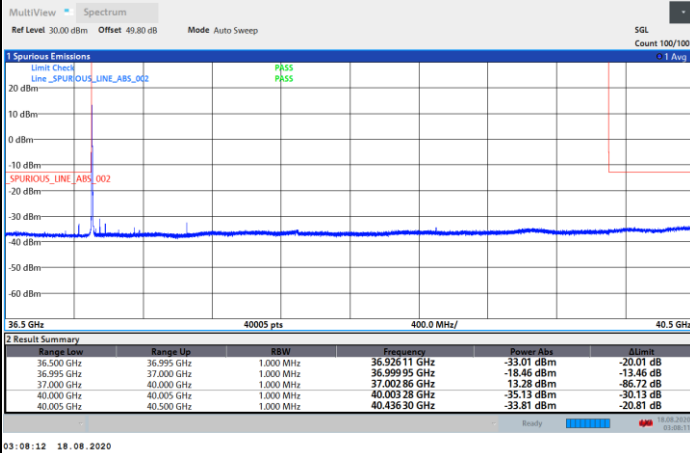


DFT-s-OFDM Module 2

NR Band n260 / 50MHz / BPSK

Lowest Band Edge / 1 RB

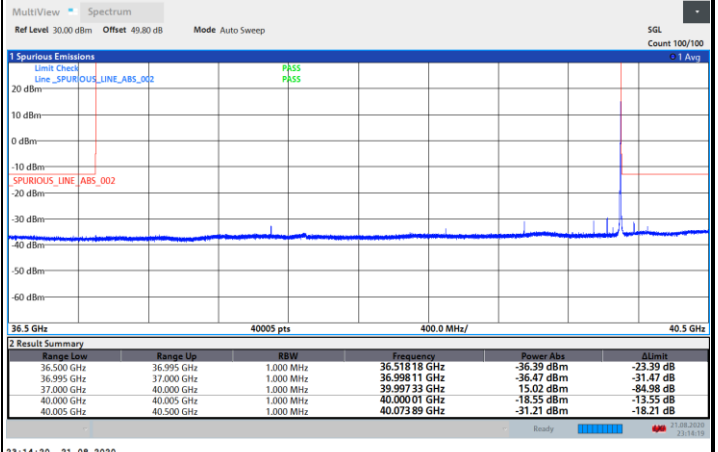
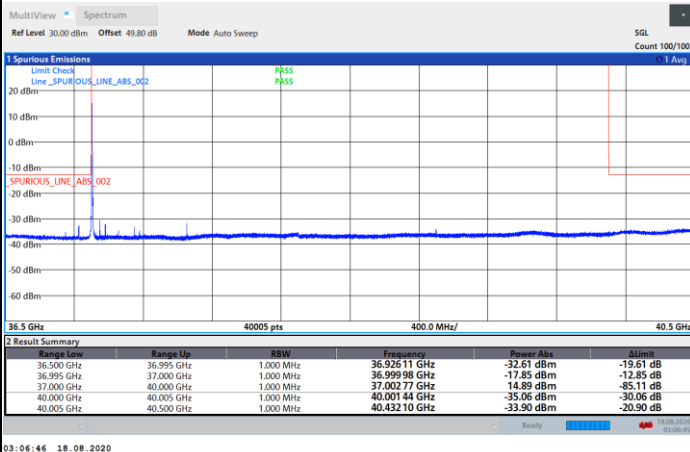
Highest Band Edge / 1 RB



NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB

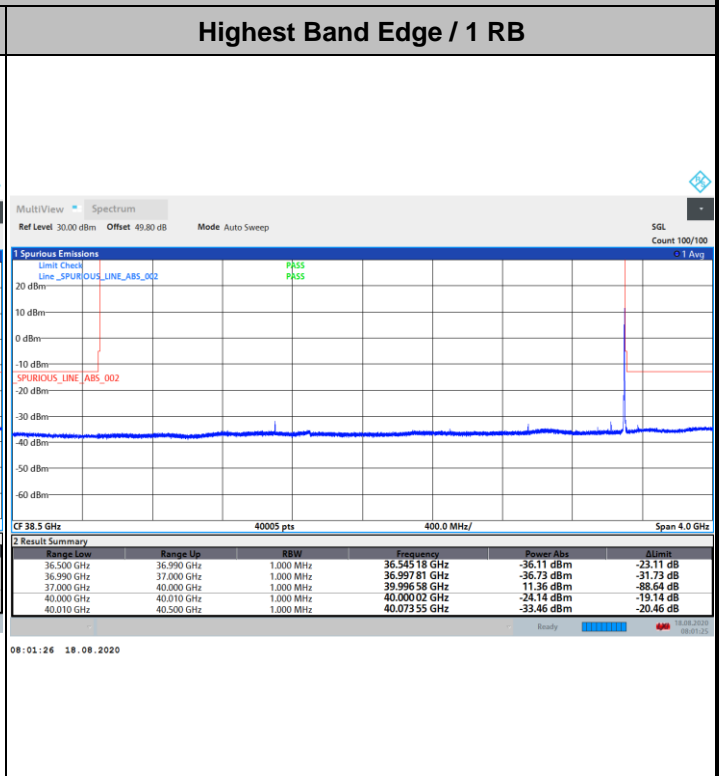
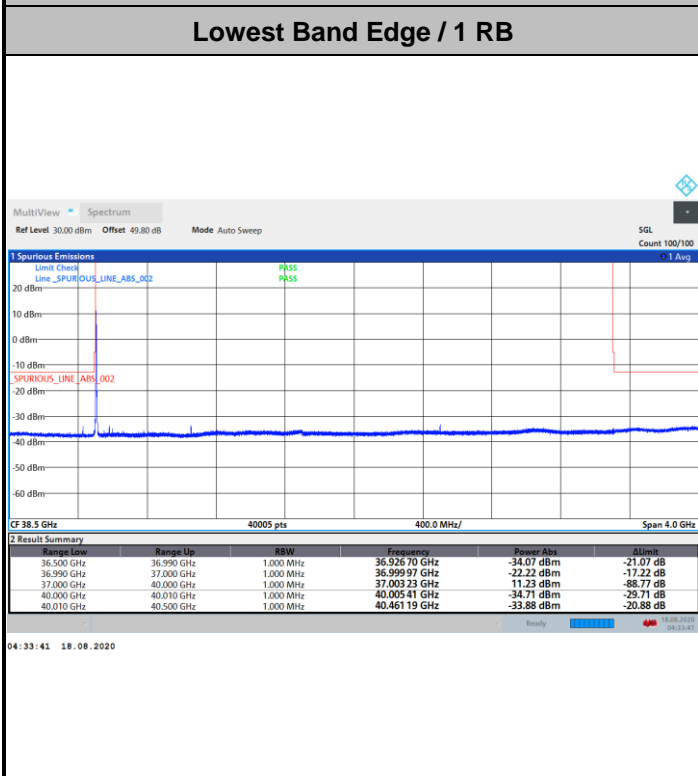
Highest Band Edge / 1 RB



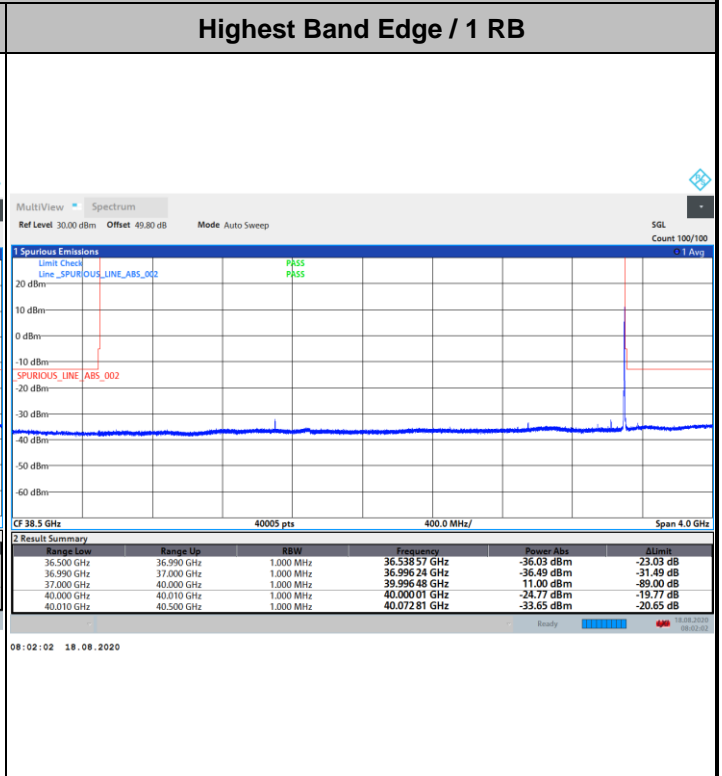
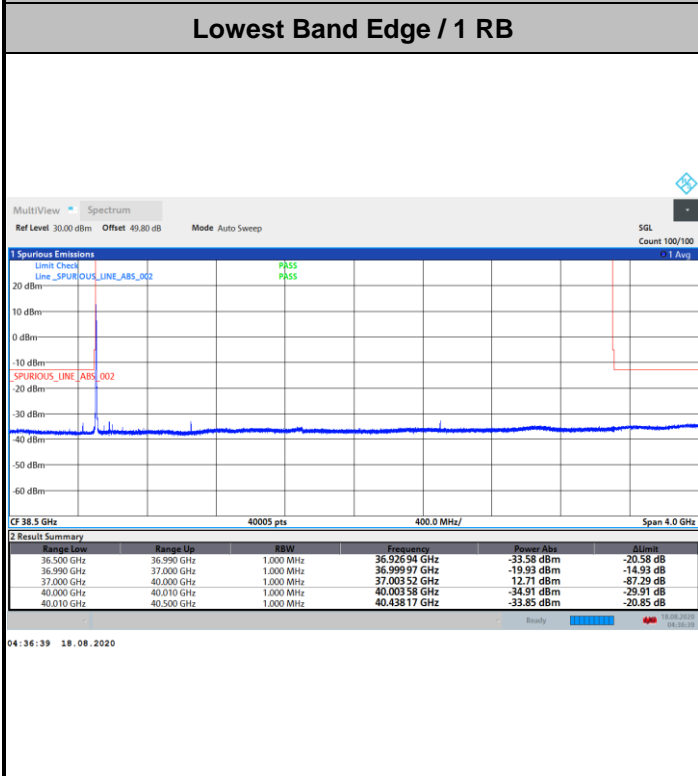


DFT-s-OFDM Module 2

NR Band n260 / 100MHz / BPSK



NR Band n260 / 100MHz / QPSK



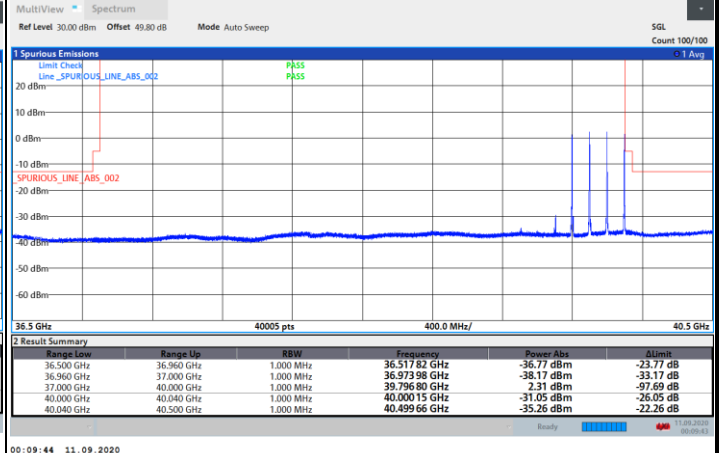
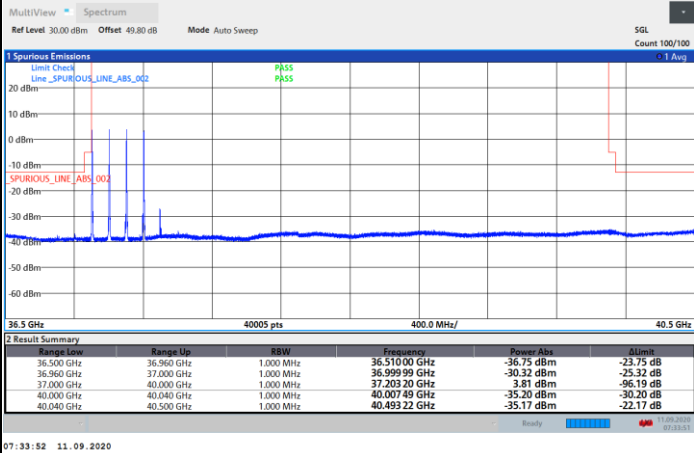


DFT-s-OFDM Module 2

NR Band n260 / 400MHz / BPSK

Lowest Band Edge / 1 RB

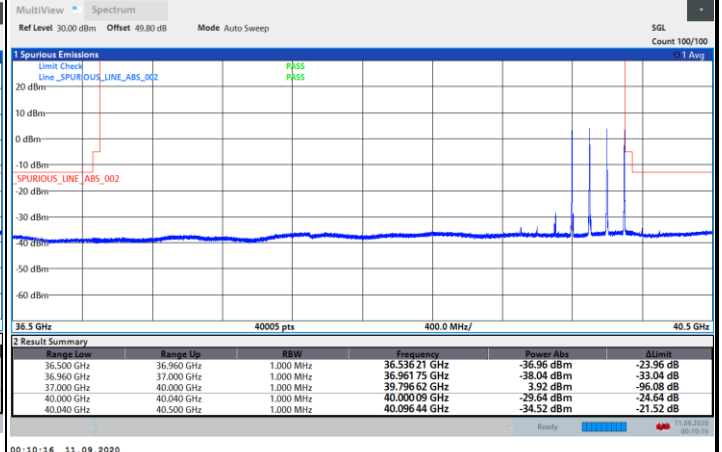
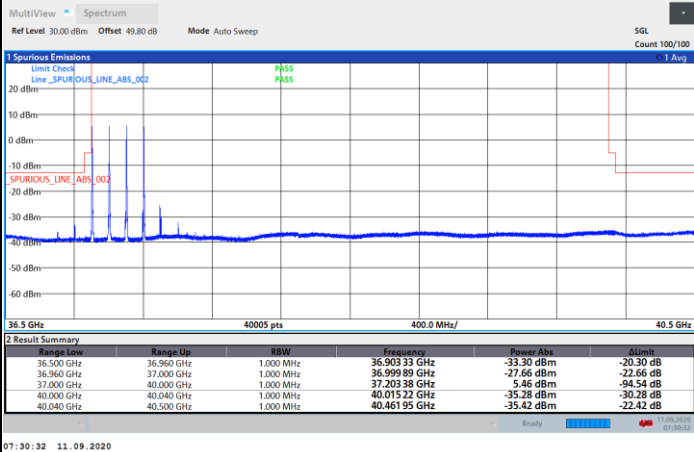
Highest Band Edge / 1 RB



NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



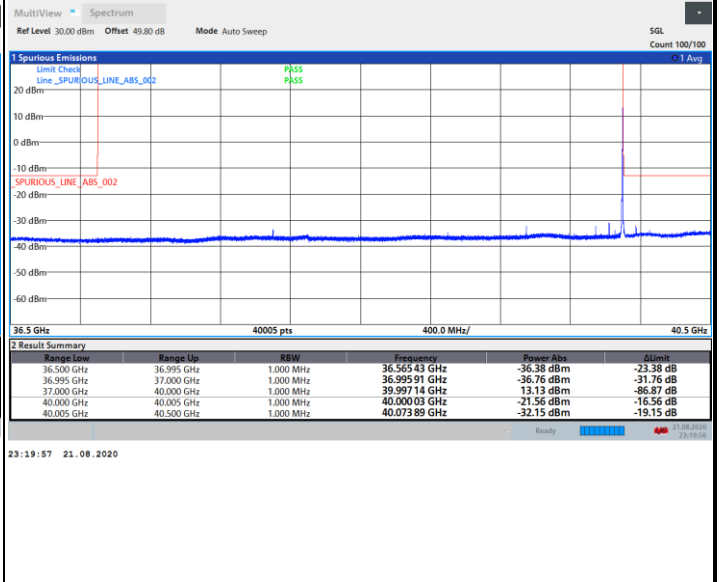
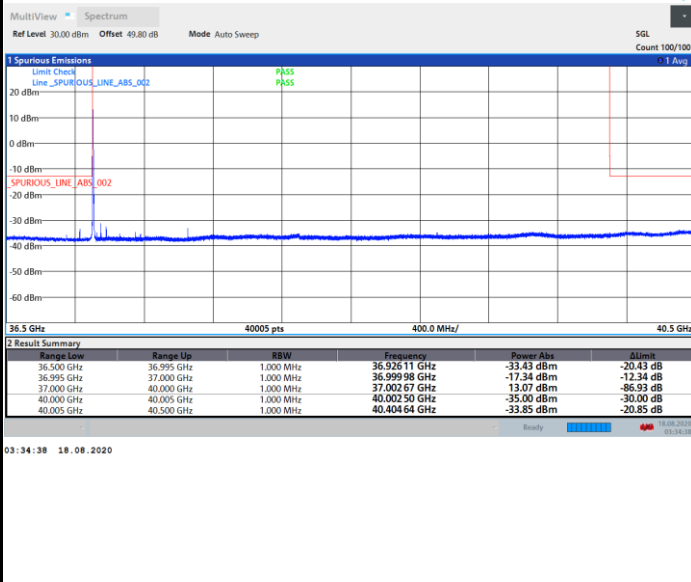


CP-OFDM Module 2

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



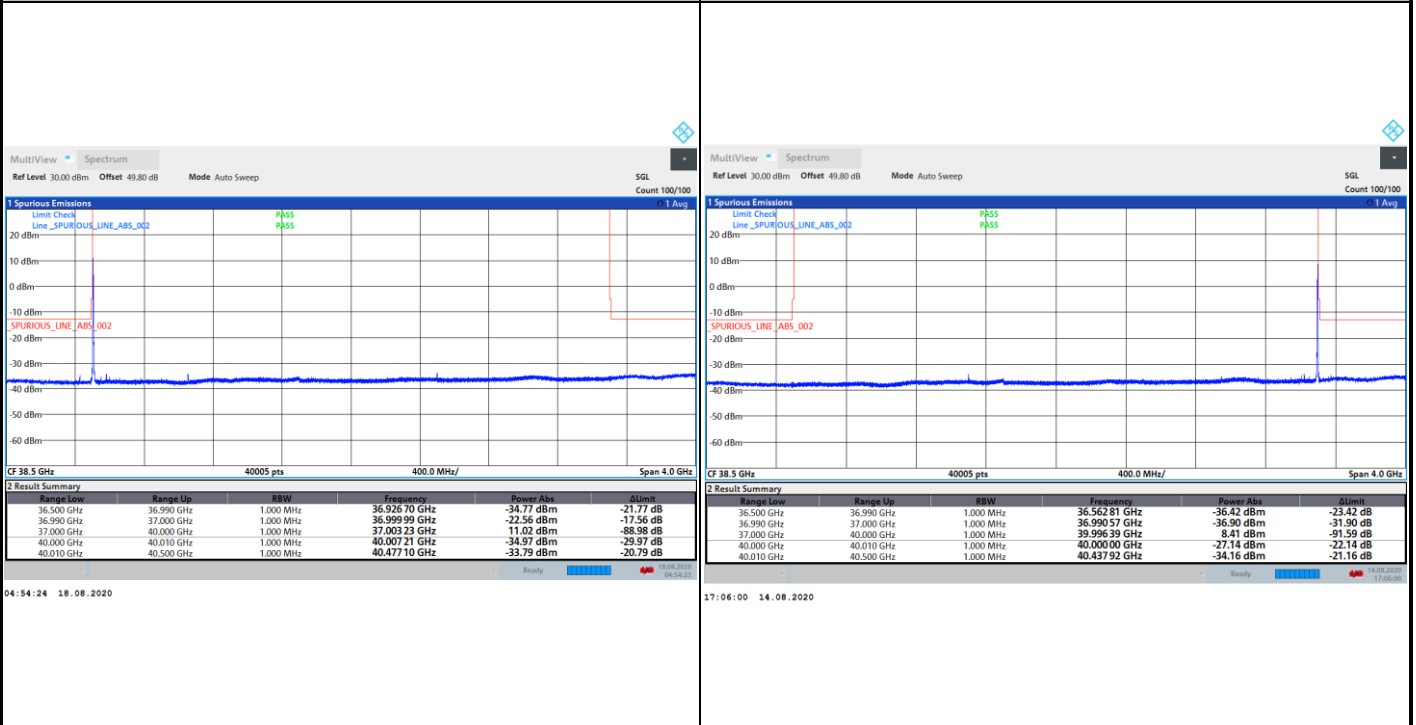


CP-OFDM Module 2

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



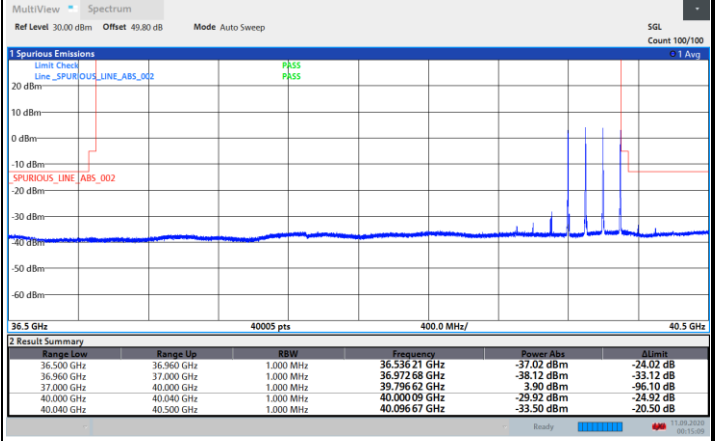
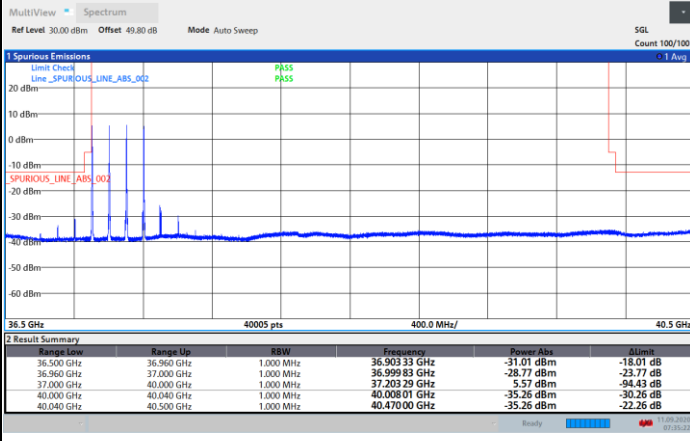


CP-OFDM Module 2

NR Band n260 / 400MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



NR Band n260 / 400MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

