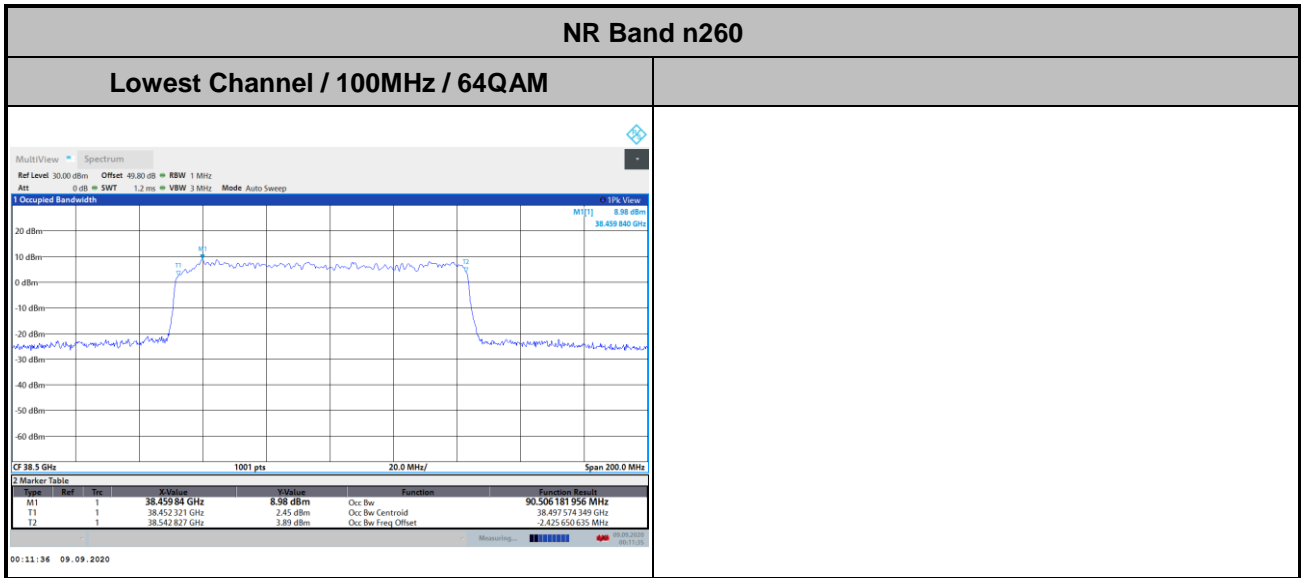




DFT-s-OFDM Module 1

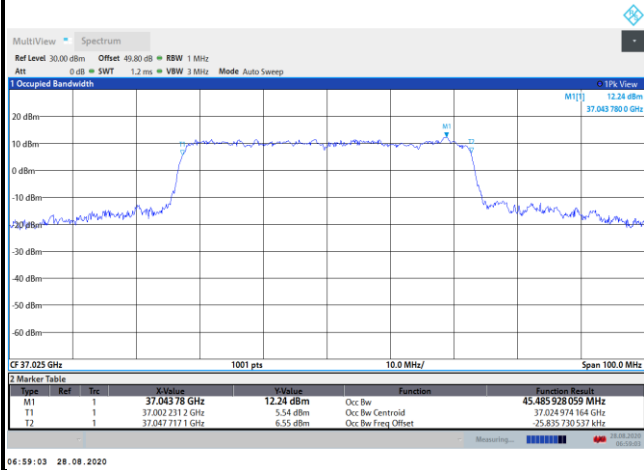




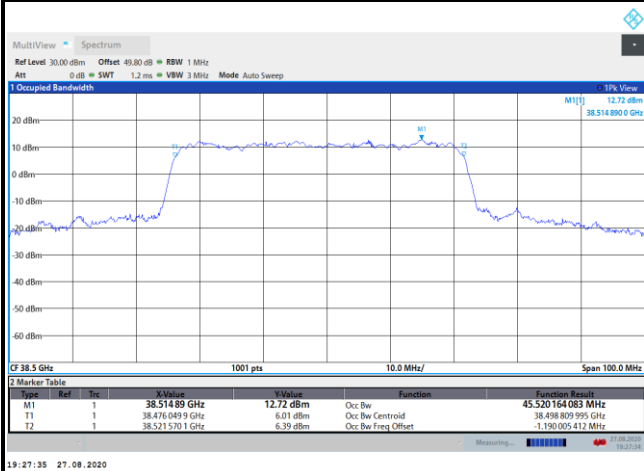
CP-OFDM Module 1

NR Band n260

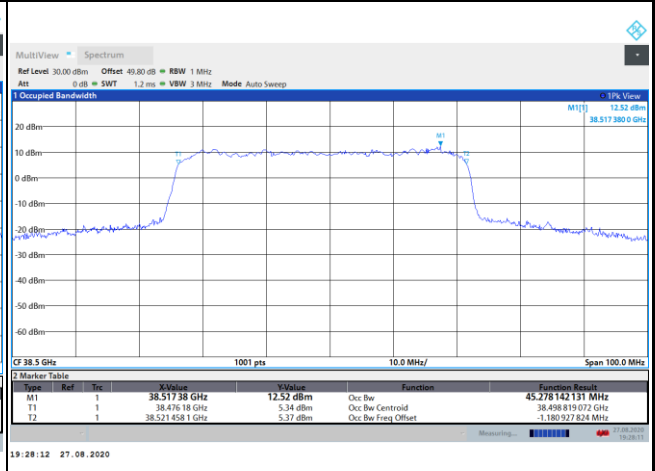
Lowest Channel / 50MHz / QPSK



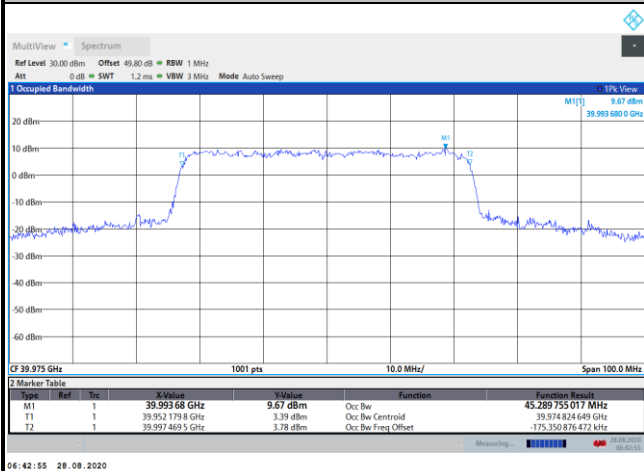
Middle Channel / 50MHz / QPSK



Middle Channel / 50MHz / 16QAM

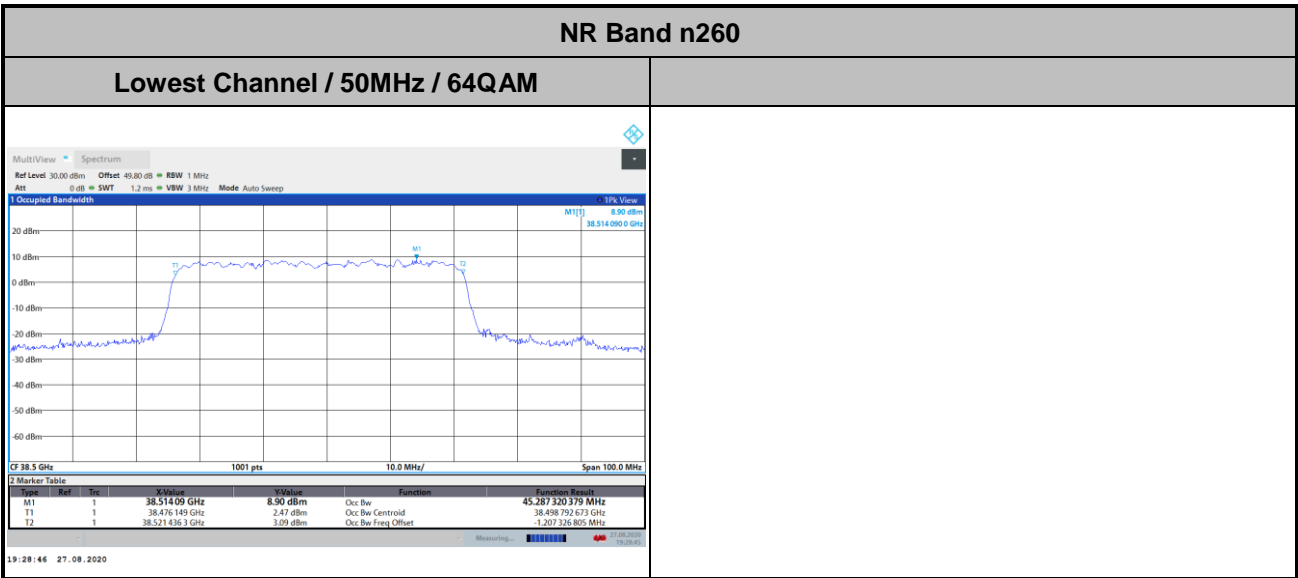


Highest Channel / 50MHz / QPSK





CP-OFDM Module 1

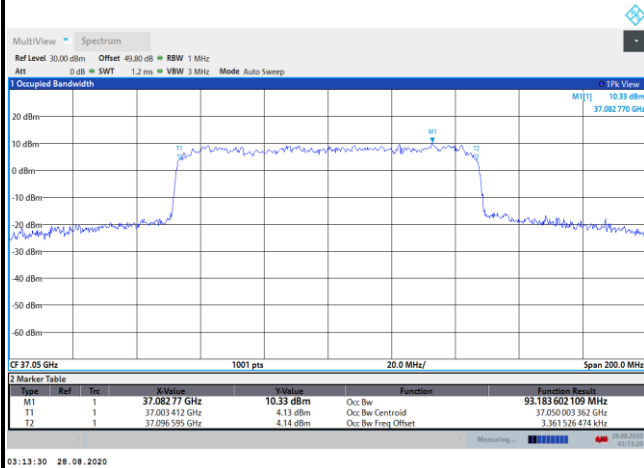




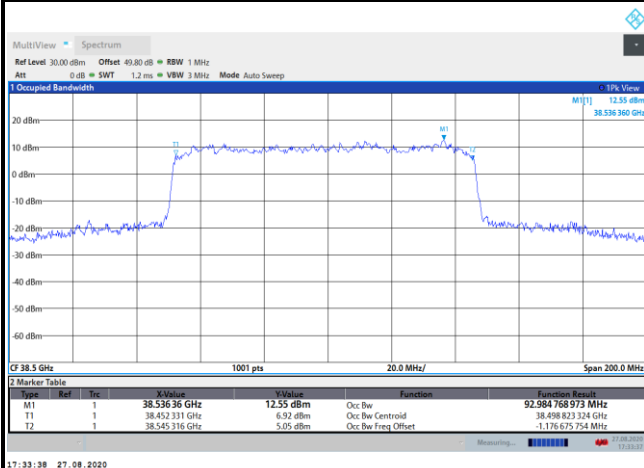
CP-OFDM Module 1

NR Band n260

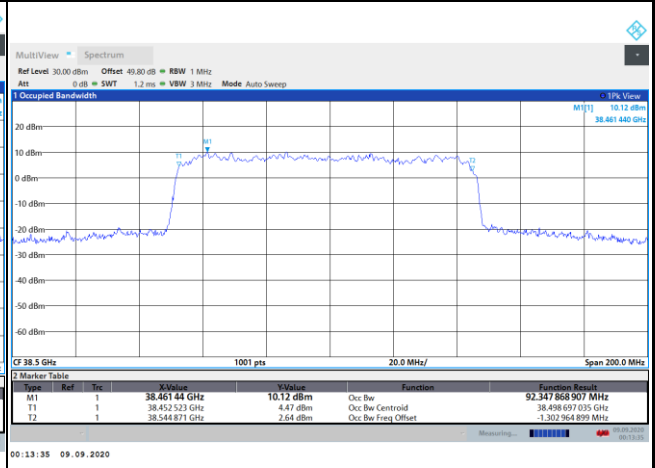
Lowest Channel / 100MHz / QPSK



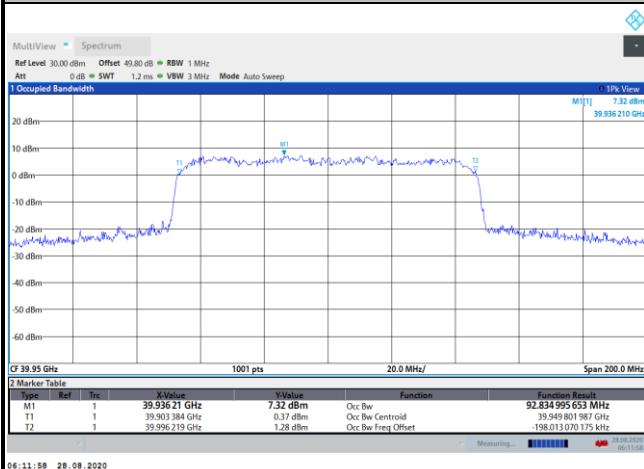
Middle Channel / 100MHz / QPSK



Middle Channel / 100MHz / 16QAM

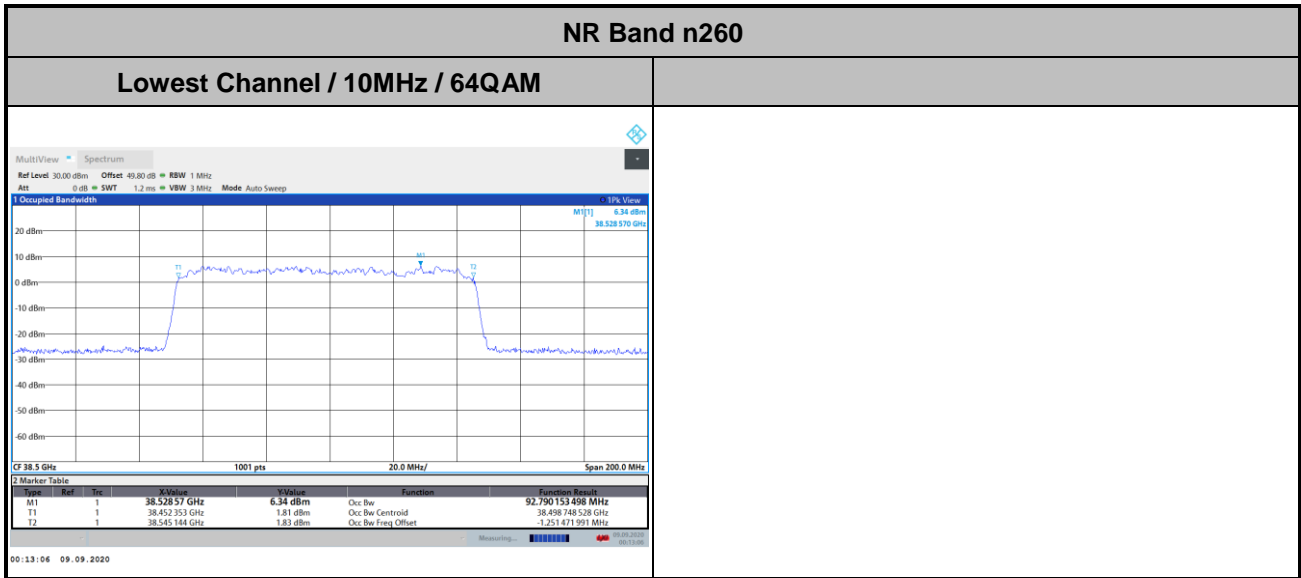


Highest Channel / 100MHz / QPSK





CP-OFDM Module 1





**Radiated Out of Band Emissions**

Mode			DFT-s-OFDM Module 1 NR Band n260 : BE (dBm) 1 RB	
BW			50MHz	100MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≤-5	-13.38	-14.80
	>10%OB	≤-13	-27.82	-30.81
High CH	0~10%OB	≤-5	-18.24	-18.19
	>10%OB	≤-13	-27.74	-31.53
Result			Compliance	

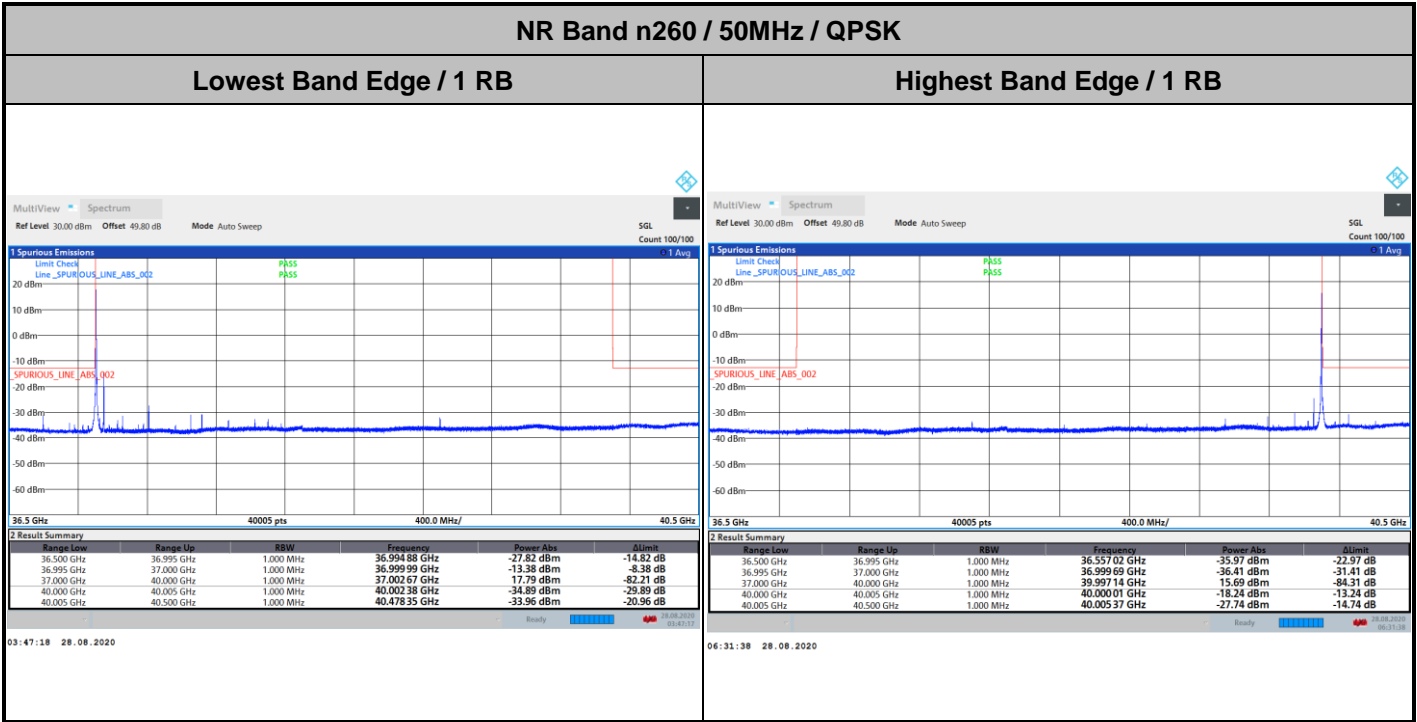
Mode			CP-OFDM Module 1 NR Band n260 : BE (dBm) 1 RB	
BW			50MHz	100MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≤-5	-15.28	-14.98
	>10%OB	≤-13	-29.15	-31.89
High CH	0~10%OB	≤-5	-19.34	-19.80
	>10%OB	≤-13	-29.21	-31.65
Result			Compliance	

Mode			DFT-s-OFDM Module 1 NR Band n260 : BE (dBm) Full RB	
BW			50MHz	100MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≤-5	-24.40	-28.54
	>10%OB	≤-13	-27.09	-30.59
High CH	0~10%OB	≤-5	-25.27	-29.19
	>10%OB	≤-13	-26.86	-30.33
Result			Compliance	

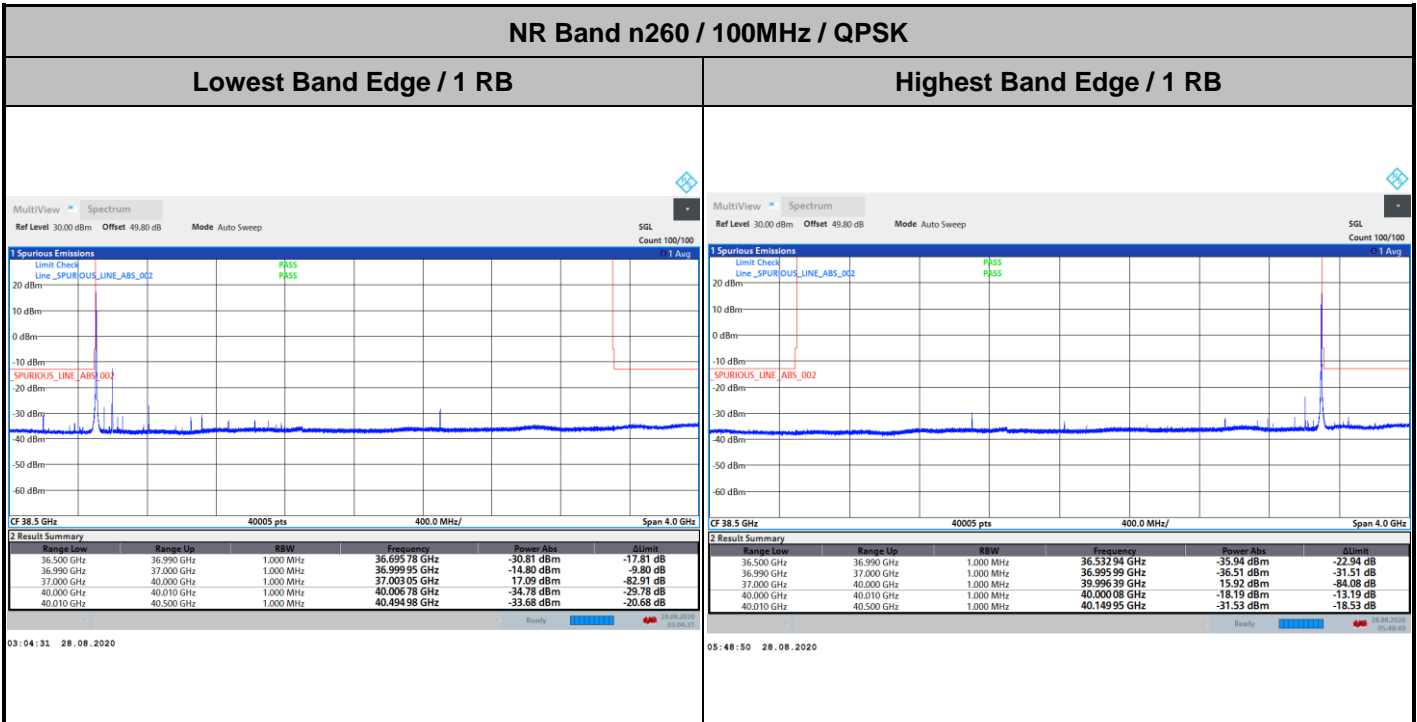
Mode			CP-OFDM Module 1 NR Band n260 : BE (dBm) Full RB	
BW			50MHz	100MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≤-5	-22.79	-26.12
	>10%OB	≤-13	--25.39	--27.84
High CH	0~10%OB	≤-5	-24.74	-28.33
	>10%OB	≤-13	-26.87	-29.41
Result			Compliance	



DFT-s-OFDM Module 1

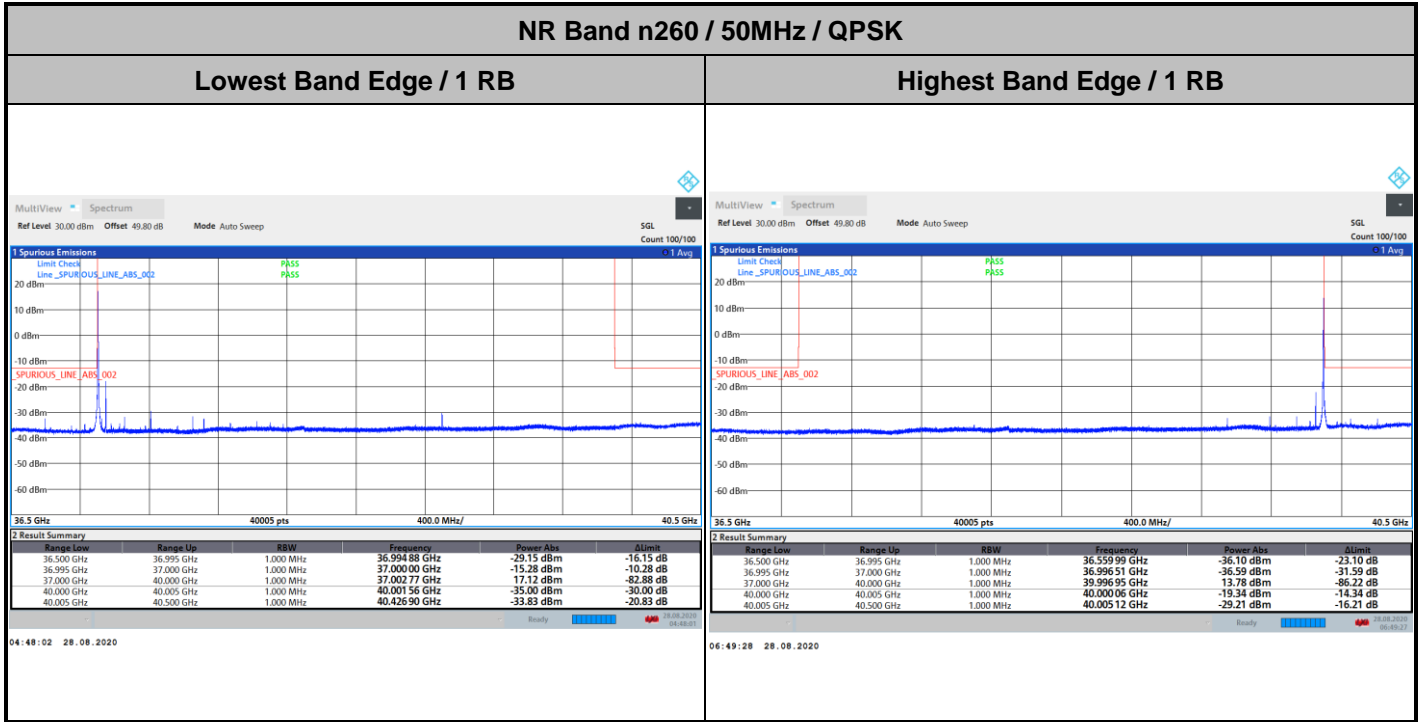


DFT-s-OFDM Module 1

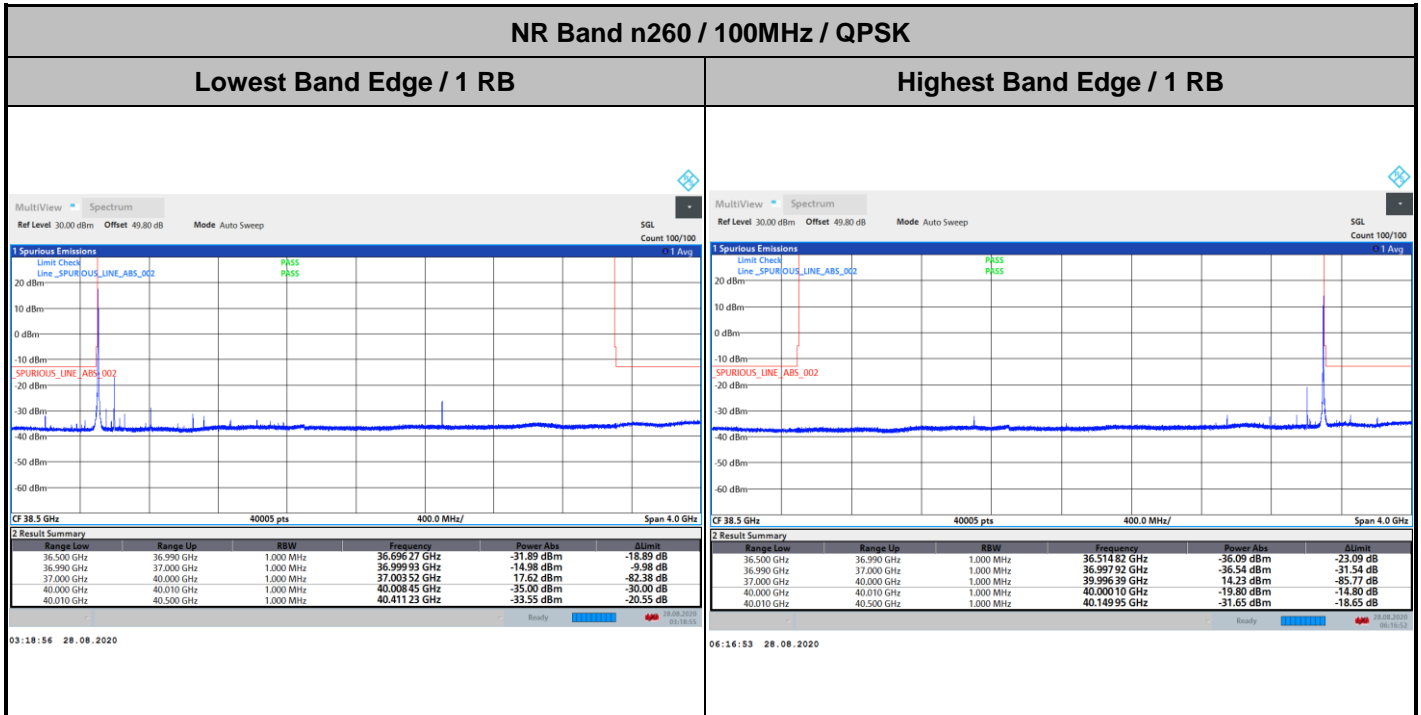




CP-OFDM Module 1



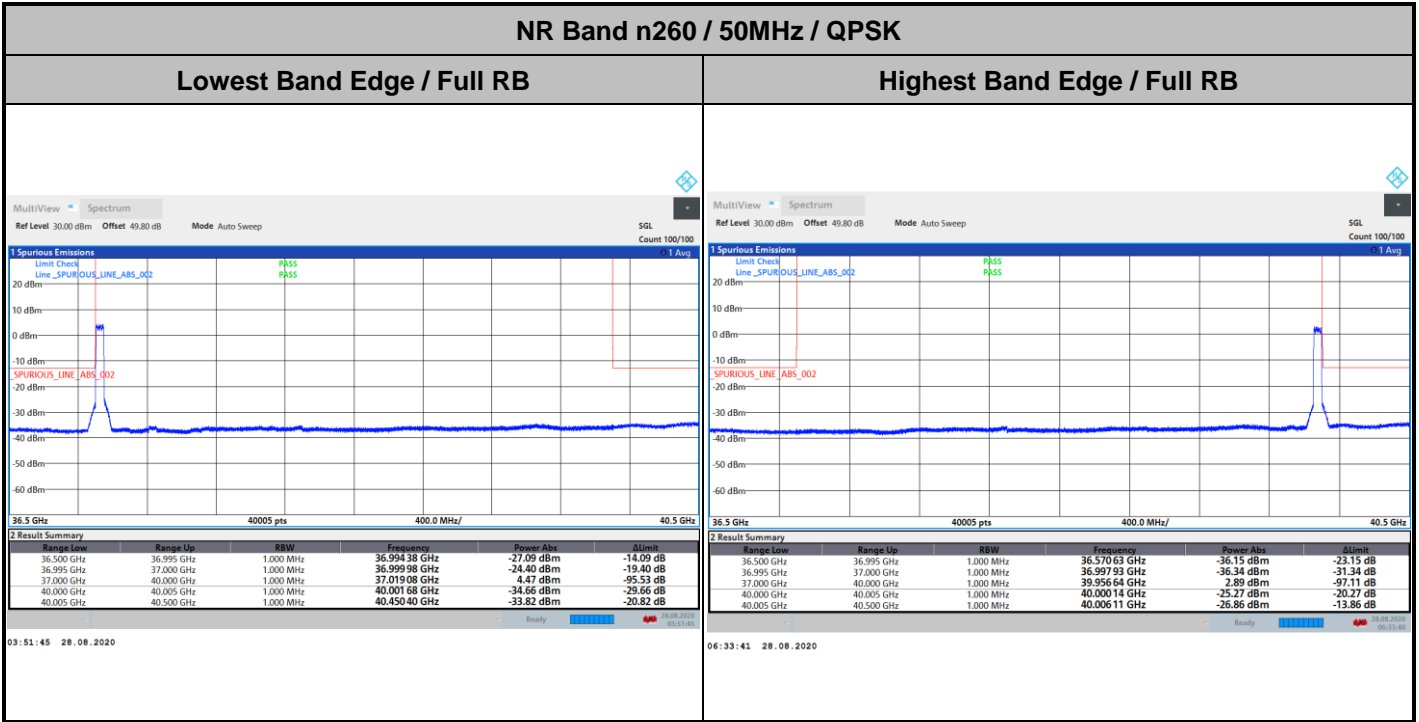
CP-OFDM Module 1



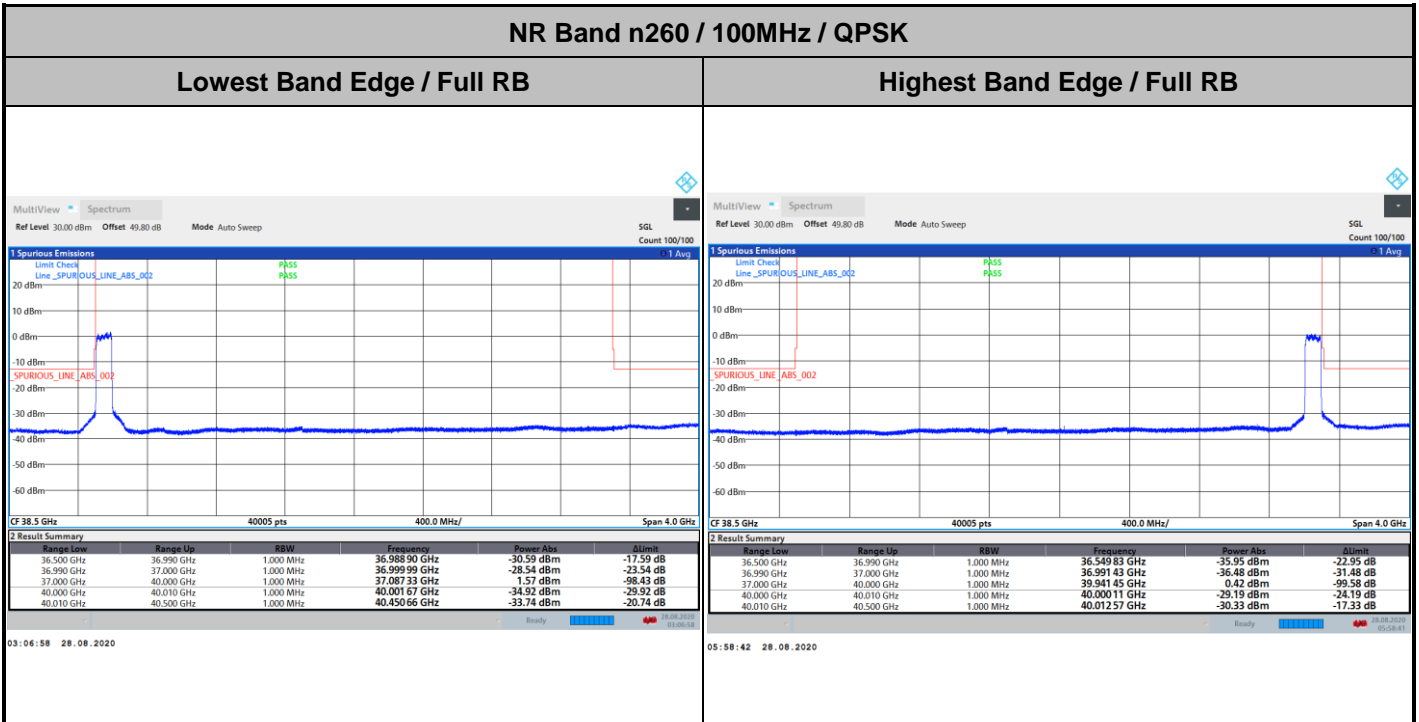




DFT-s-OFDM Module 1

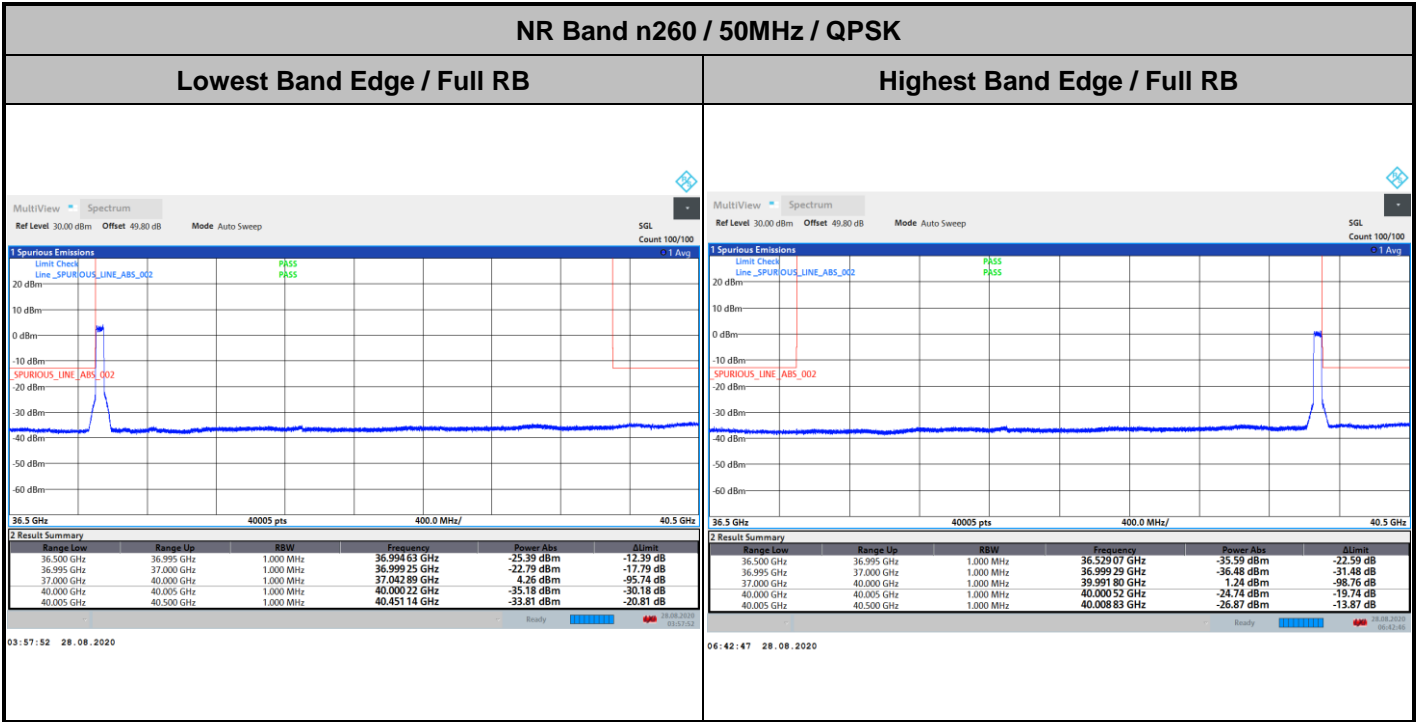


DFT-s-OFDM Module 1

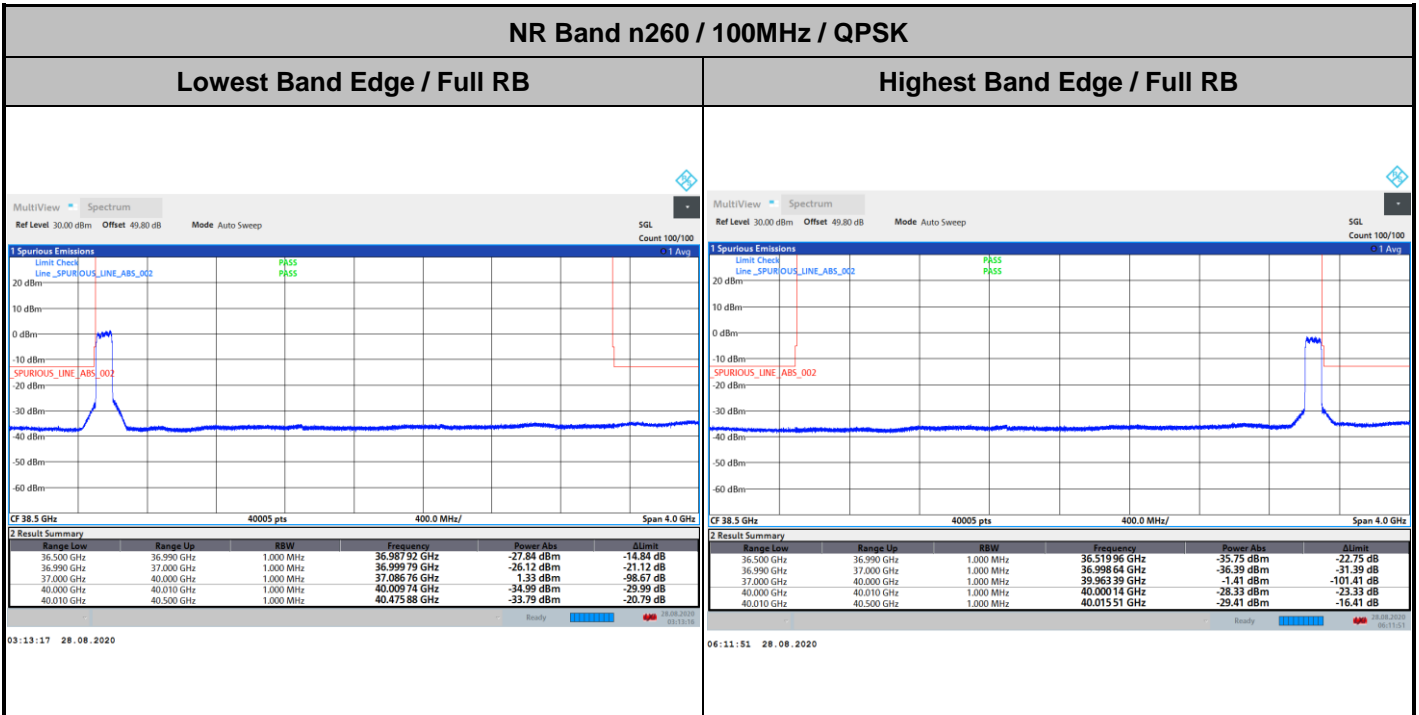




CP-OFDM Module 1



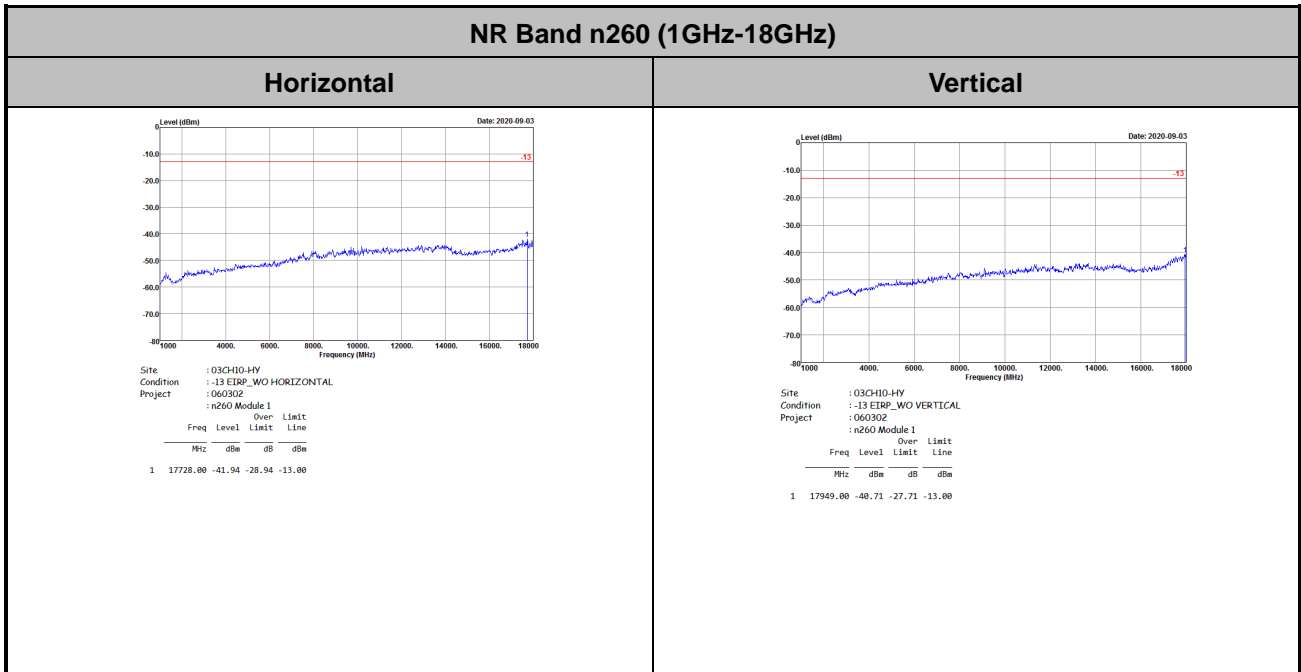
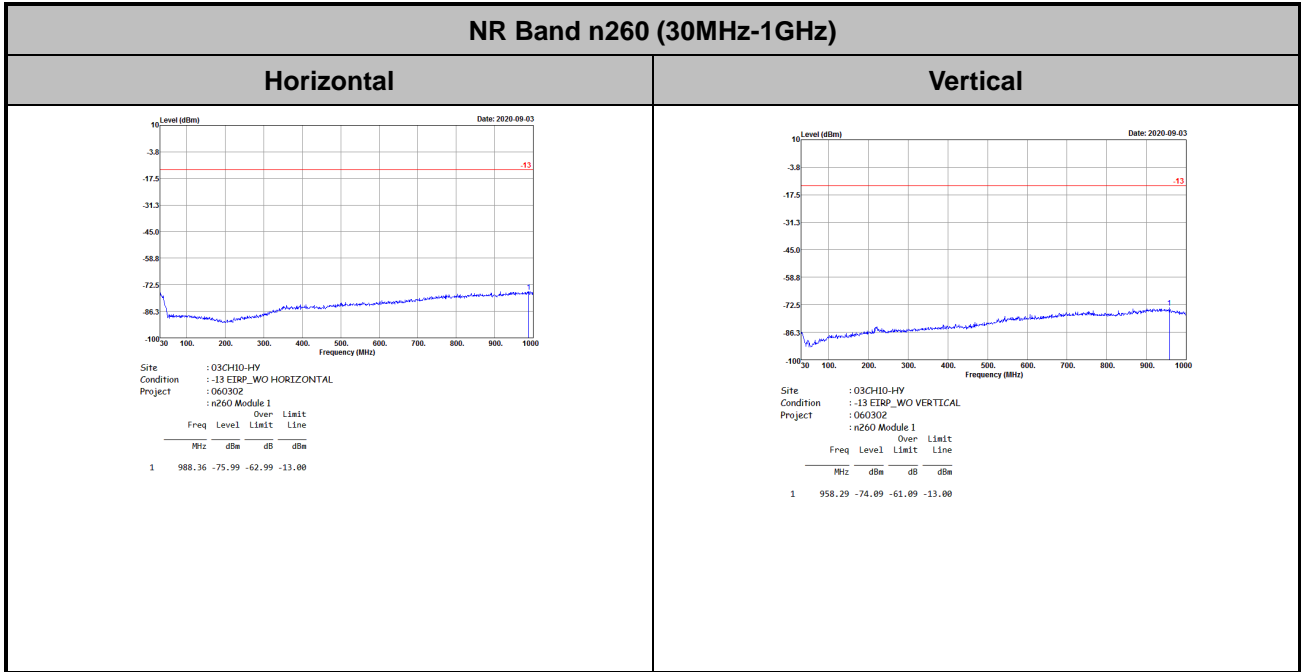
CP-OFDM Module 1





# Spurious Emission

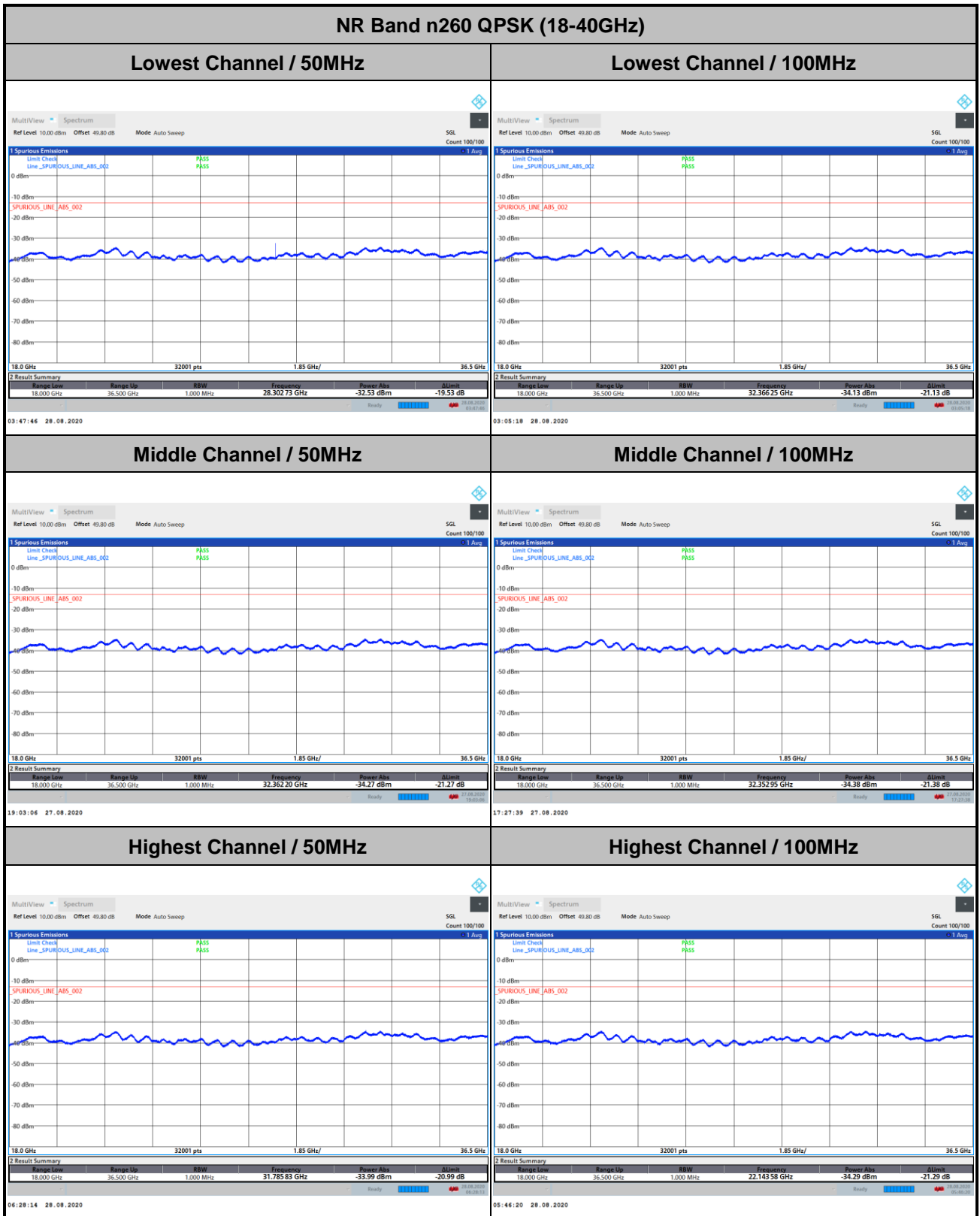
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.





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

DFT-s-OFDM Module 1

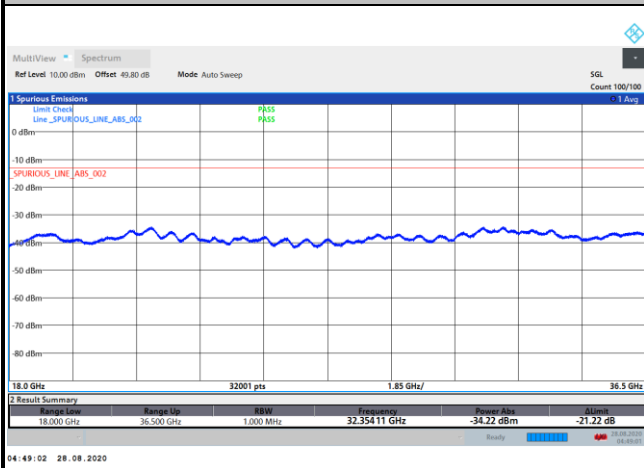




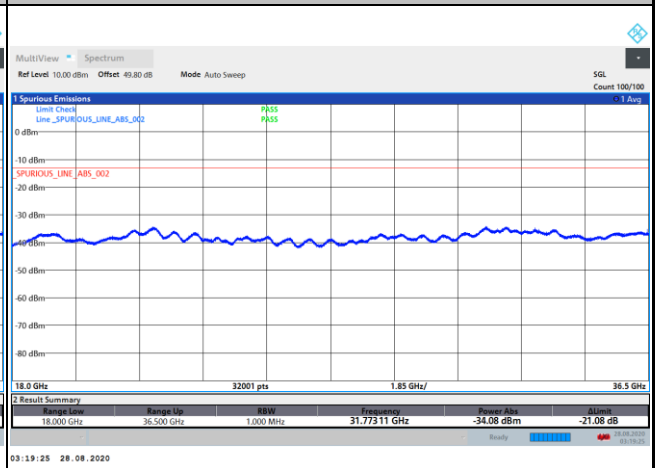
CP-OFDM Module 1

NR Band n260 QPSK (18-40GHz)

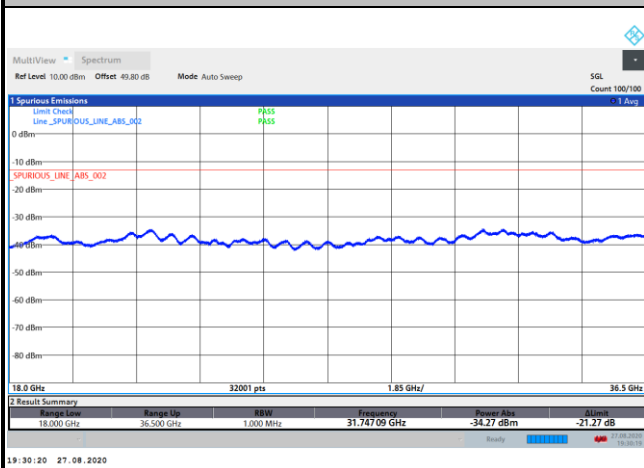
Lowest Channel / 50MHz



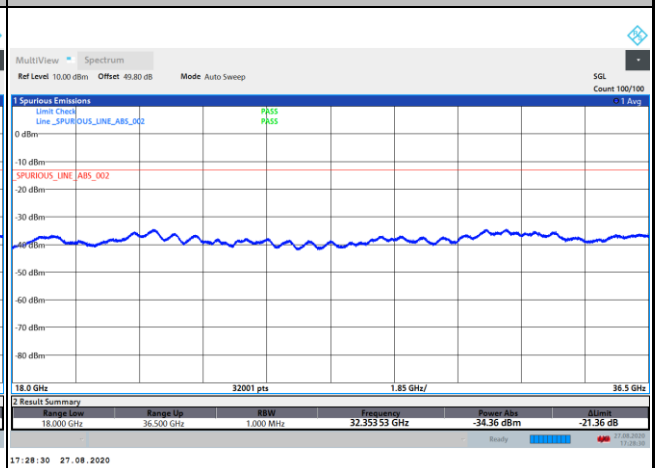
Lowest Channel / 100MHz



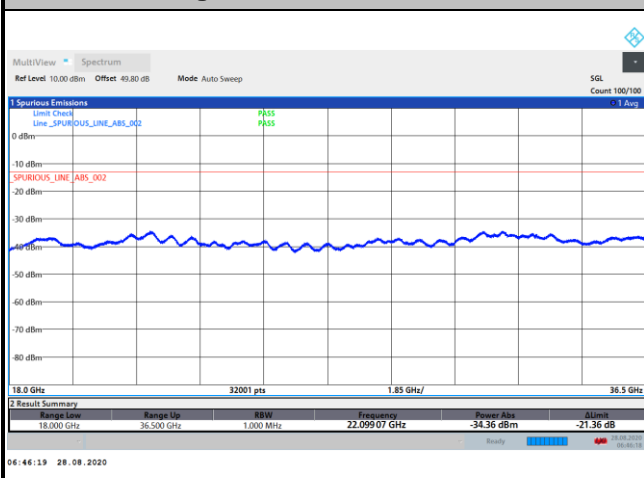
Middle Channel / 50MHz



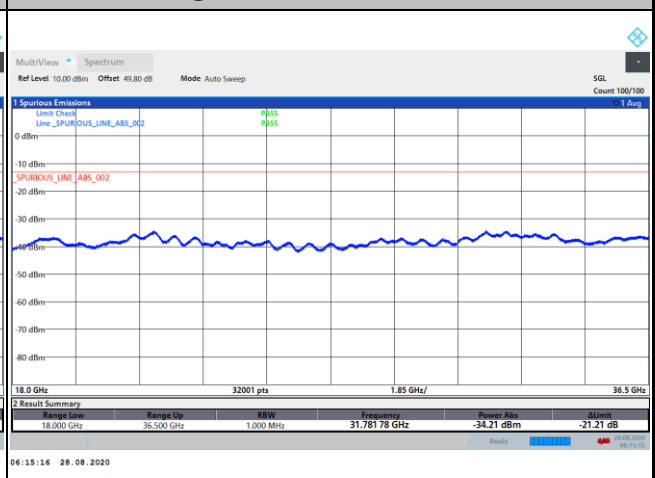
Middle Channel / 100MHz



Highest Channel / 50MHz

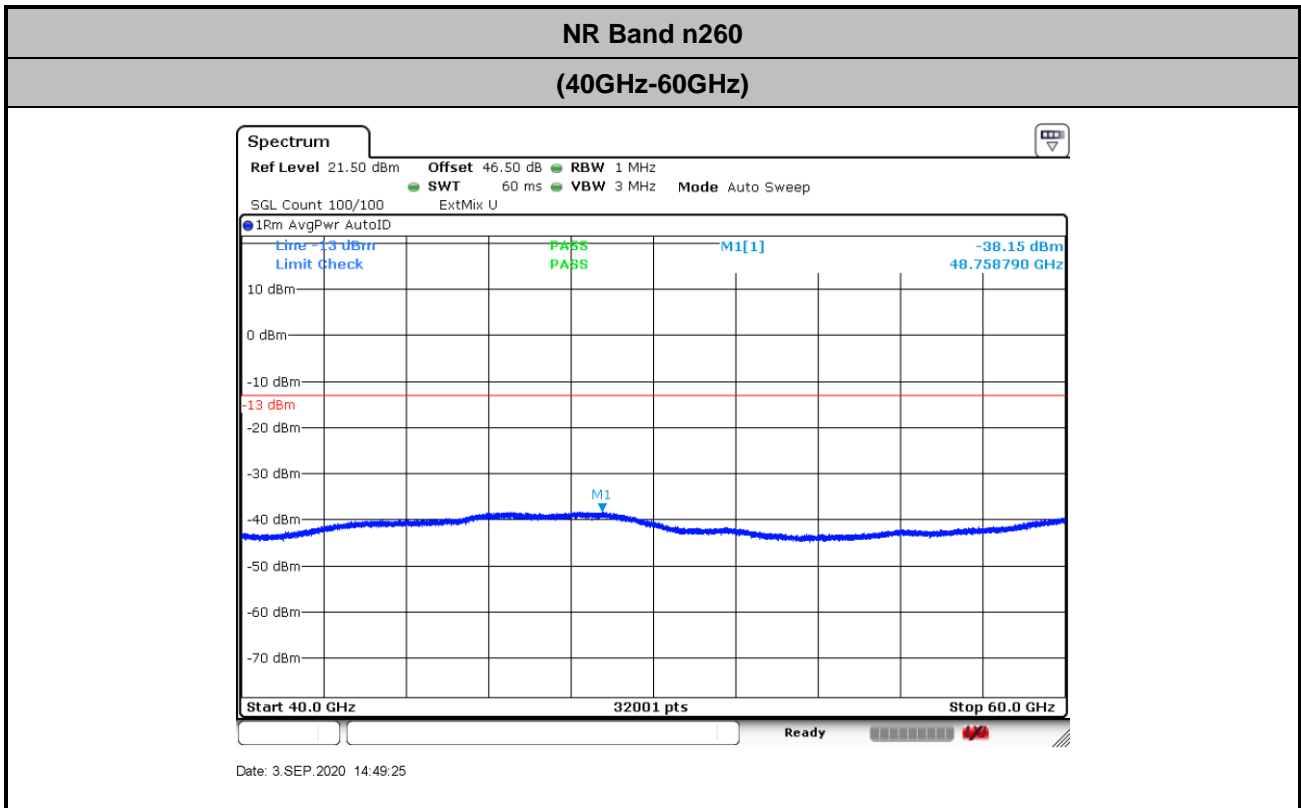


Highest Channel / 100MHz

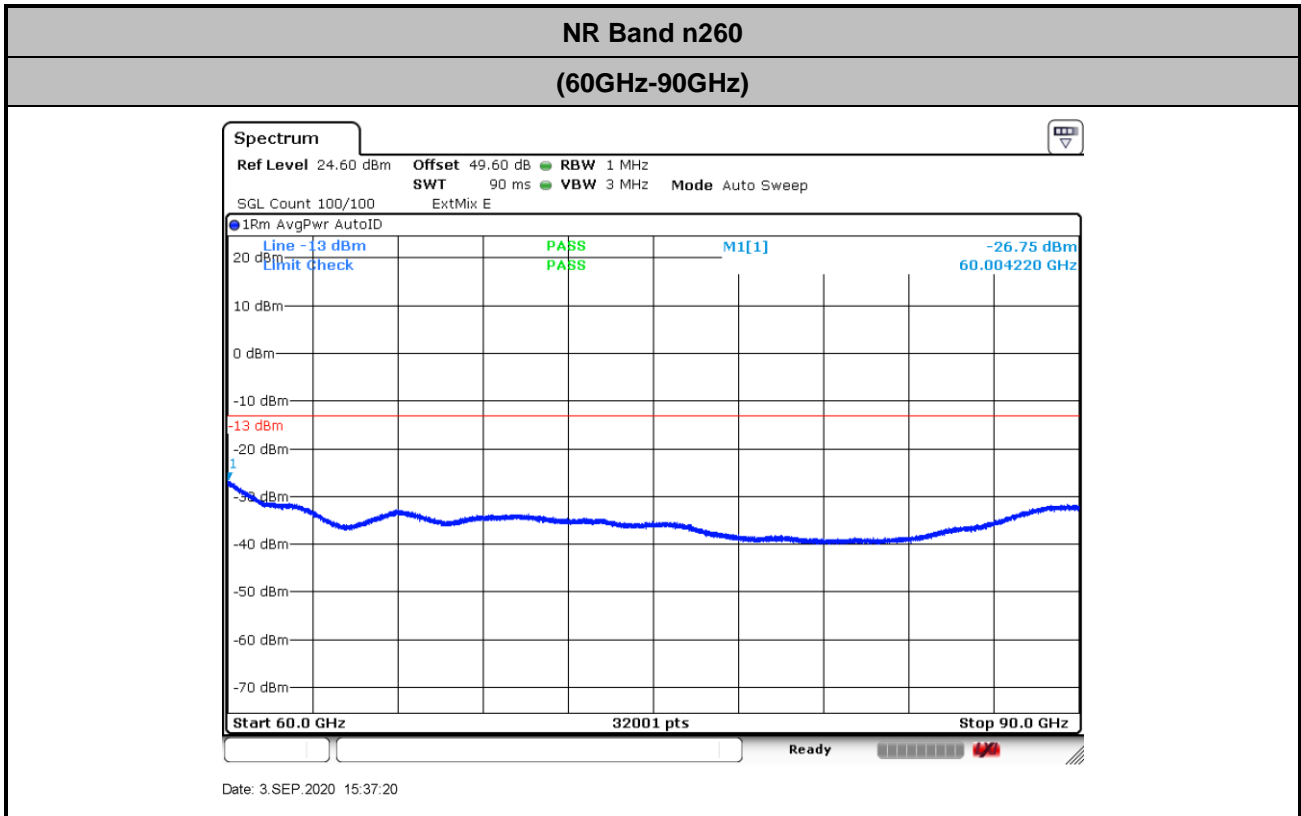




There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz. Only the noise floor is reported.



$$\begin{aligned}
 \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\
 &= 42.1 + 2.2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)}
 \end{aligned}$$



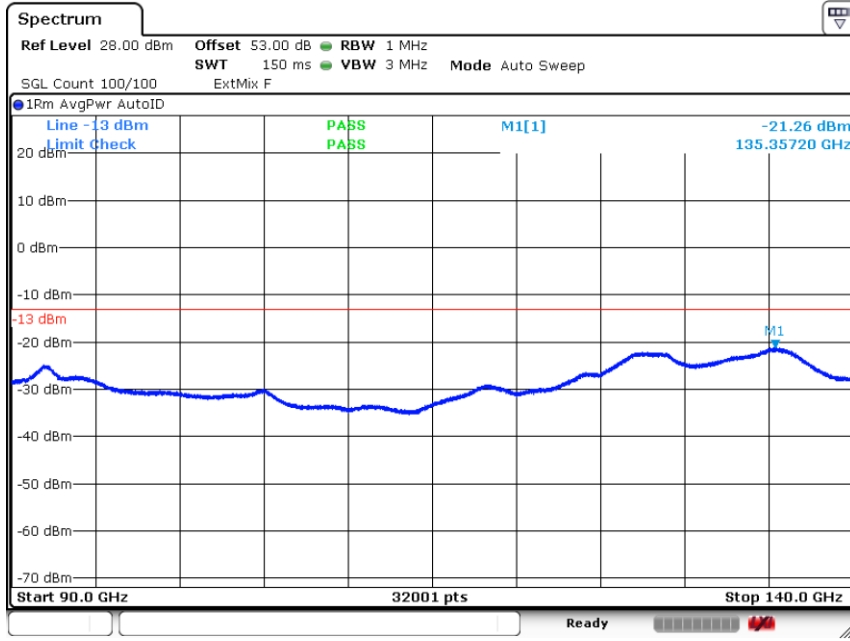
$$Offset = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 45.4 + 2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)}$$



NR Band n260

(90GHz-140GHz)



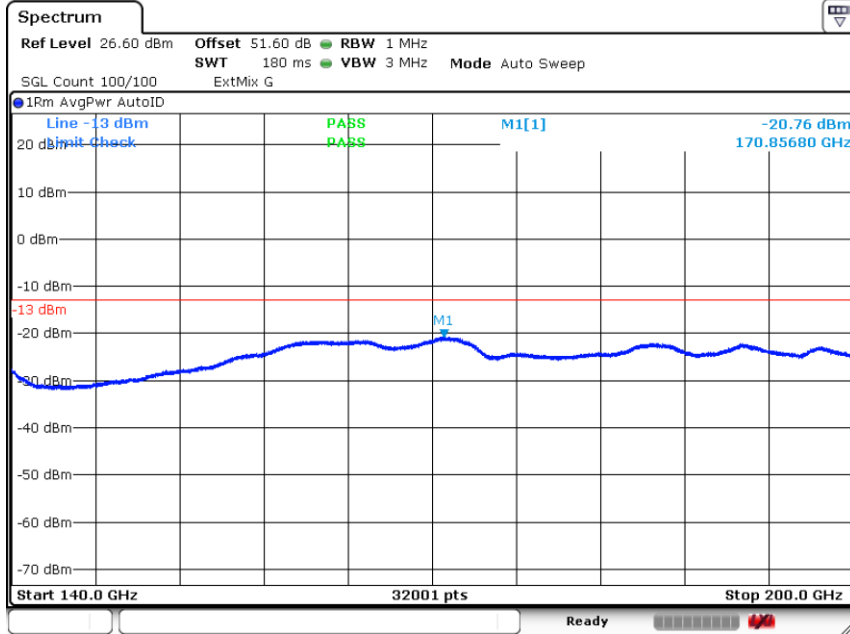
Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log(D) – 104.8  
 = 48.8 + 2 + 107 + 20log(1) – 104.8 = 53 (dB)





NR Band n260

(140GHz-200GHz)



Date: 3.SEP.2020 16:16:58

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

$$= 53.4 + 2 + 107 + 20\log(0.5) - 104.8 = 51.6 \text{ (dB)}$$



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.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.29	-	-	90.64	-	-	389.26	-	-
Middle CH	45.29	45.32	45.47	90.33	90.67	90.41	388.45	387.88	389.25
Highest CH	45.34	-	-	90.67	-	-	387.49	-	-

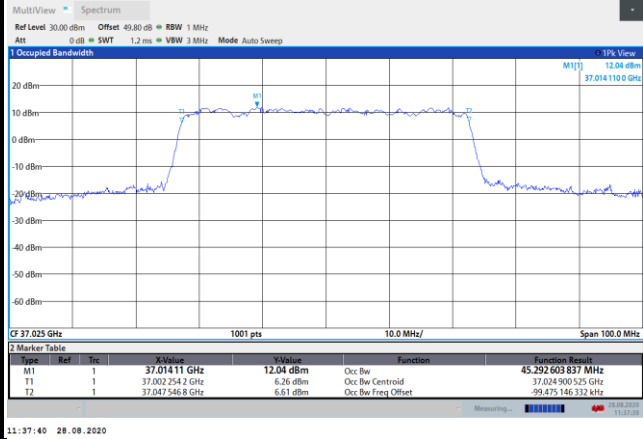
Mode	CP-OFDM Module 2 NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.51	-	-	93.03	-	-	391.61	-	-
Middle CH	45.54	45.43	45.38	93.17	93.07	92.97	389.97	386.85	393.82
Highest CH	45.48	-	-	92.88	-	-	388.34	-	-



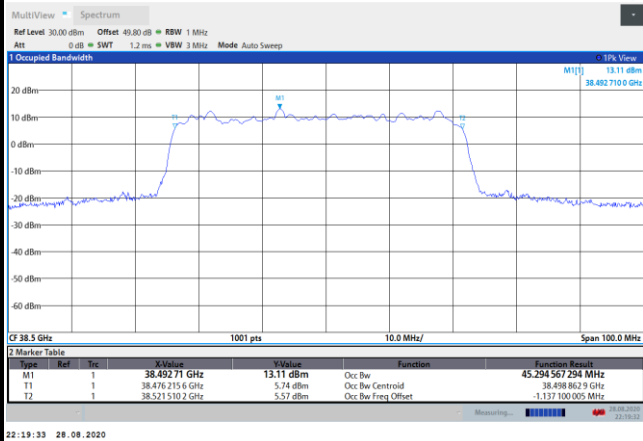
DFT-s-OFDM Module 2

NR Band n260

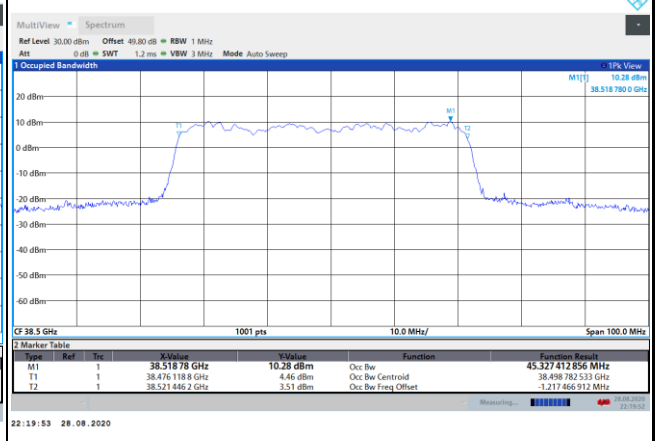
Lowest Channel / 50MHz / QPSK



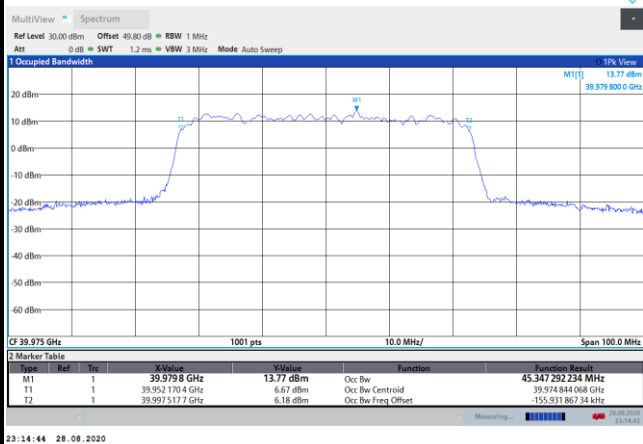
Middle Channel / 50MHz / QPSK



Middle Channel / 50MHz / 16QAM

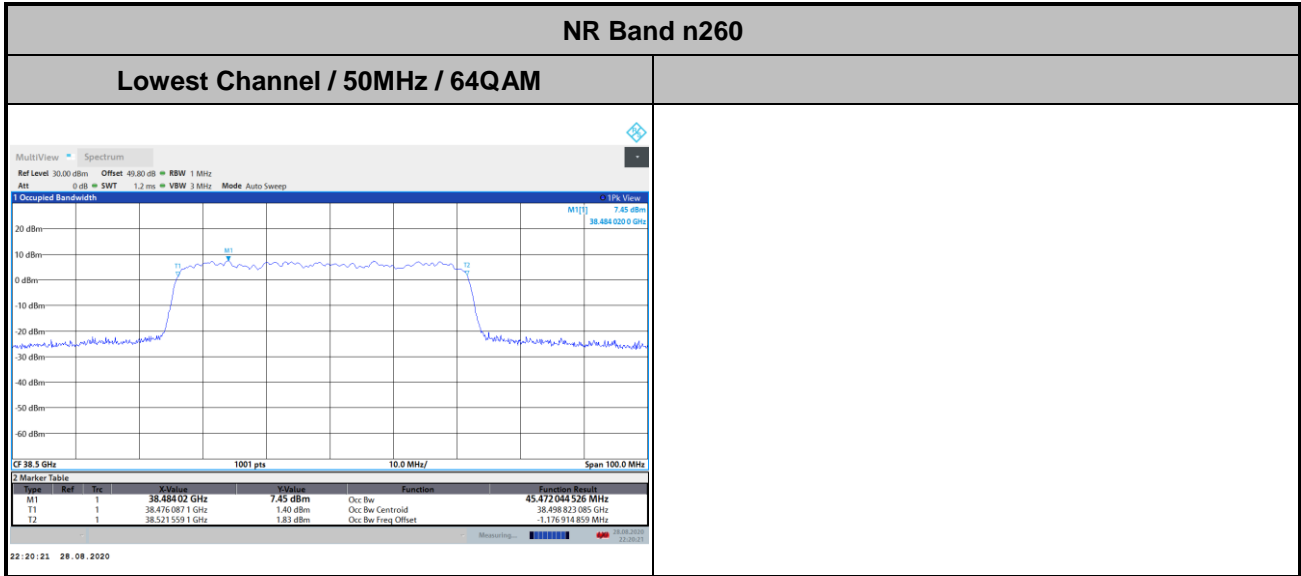


Highest Channel / 50MHz / QPSK





DFT-s-OFDM Module 2

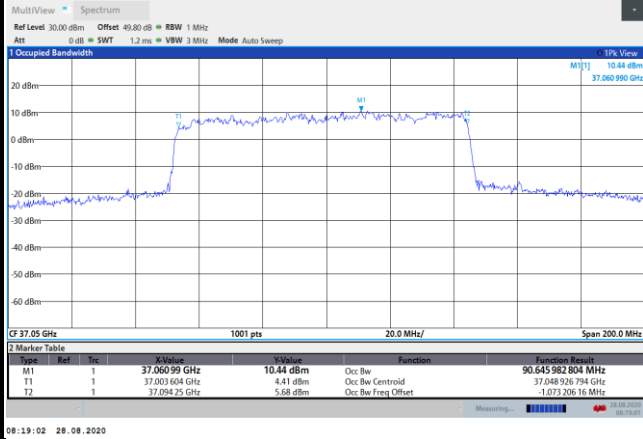




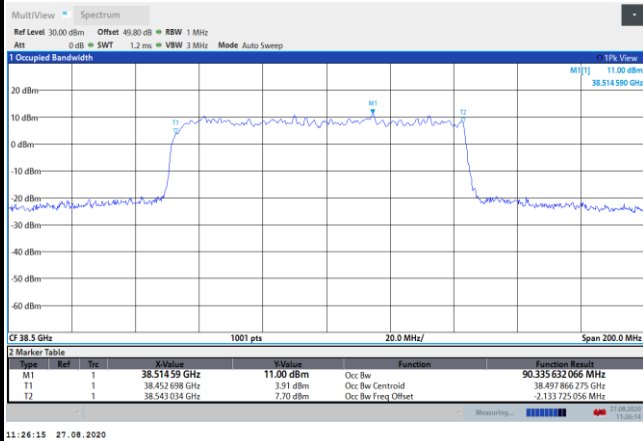
DFT-s-OFDM Module 2

NR Band n260

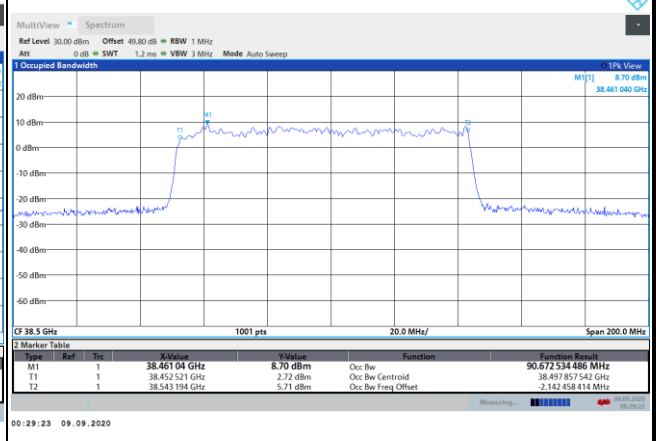
Lowest Channel / 100MHz / QPSK



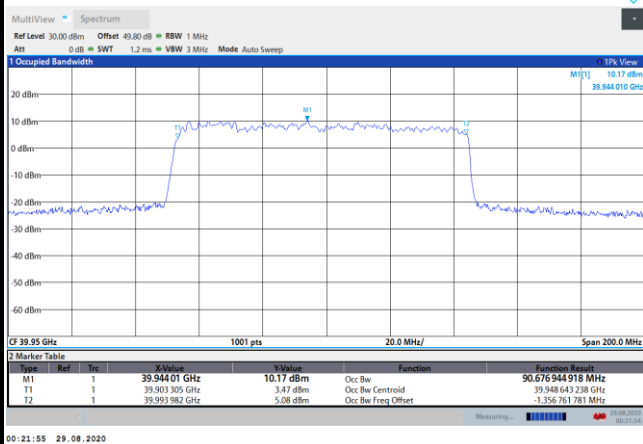
Middle Channel / 100MHz / QPSK



Middle Channel / 100MHz / 16QAM

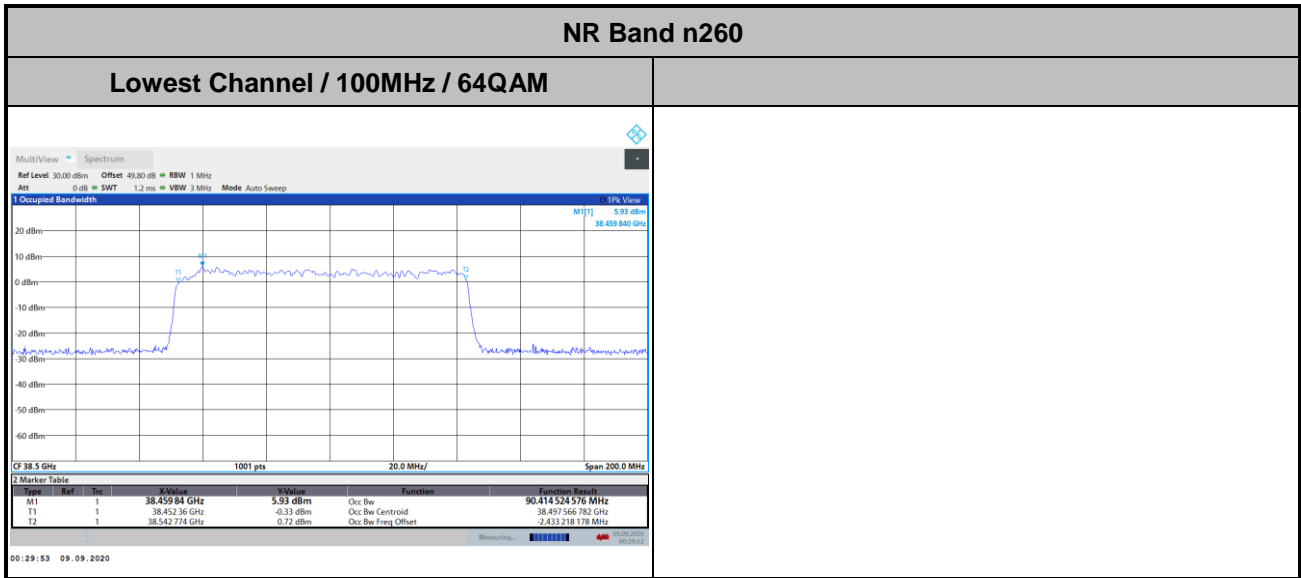


Highest Channel / 100MHz / QPSK





DFT-s-OFDM Module 2

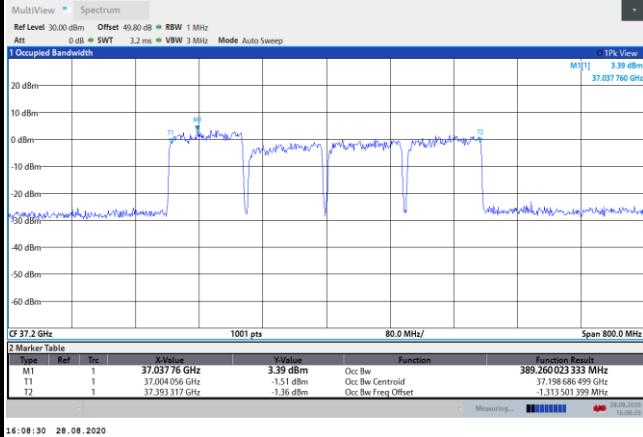




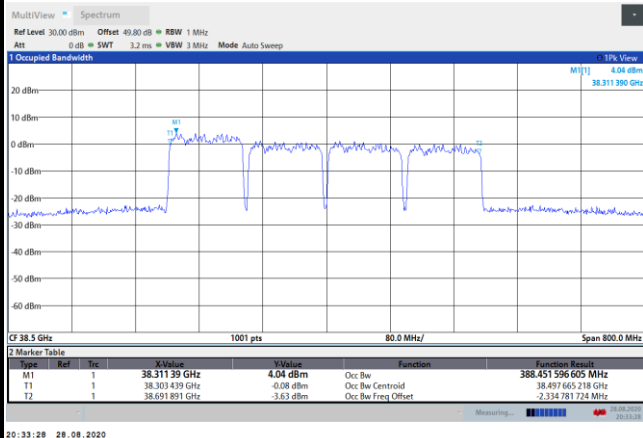
DFT-s-OFDM Module 2

NR Band n260

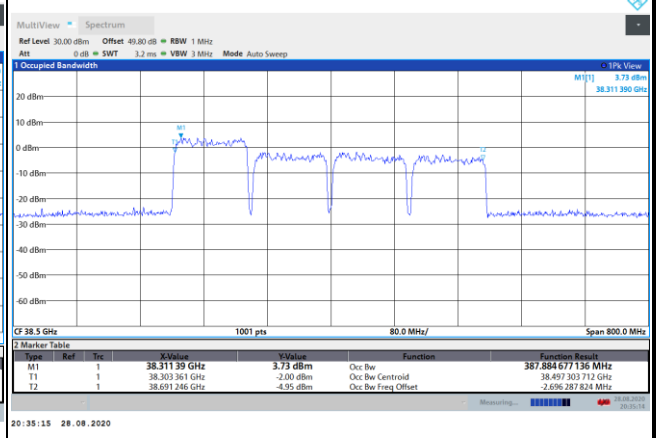
Lowest Channel / 400MHz / QPSK



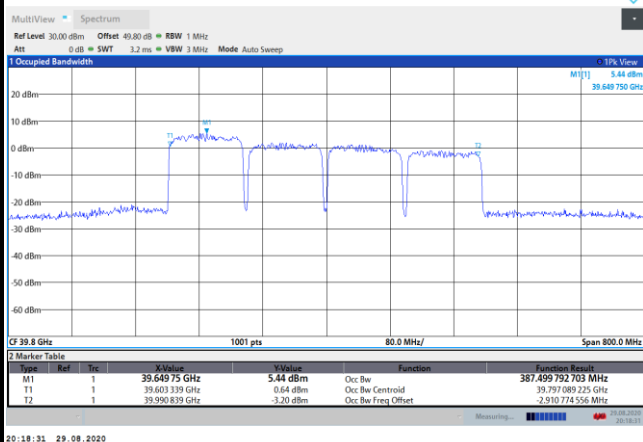
Middle Channel / 400MHz / QPSK



Middle Channel / 400MHz / 16QAM

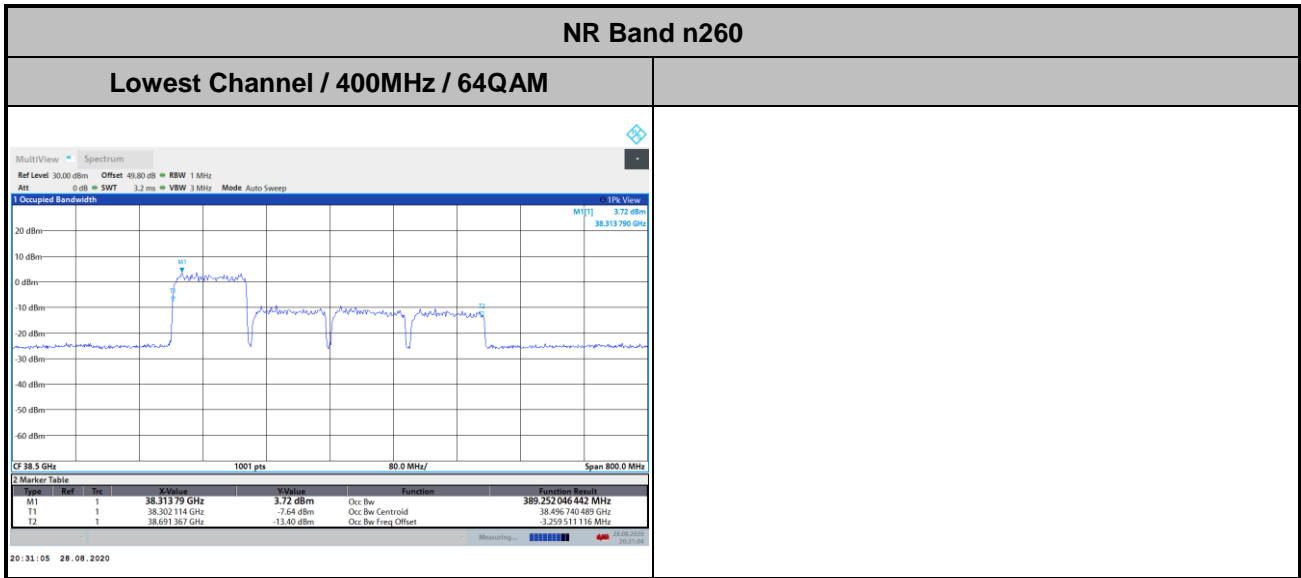


Highest Channel / 400MHz / QPSK





DFT-s-OFDM Module 2



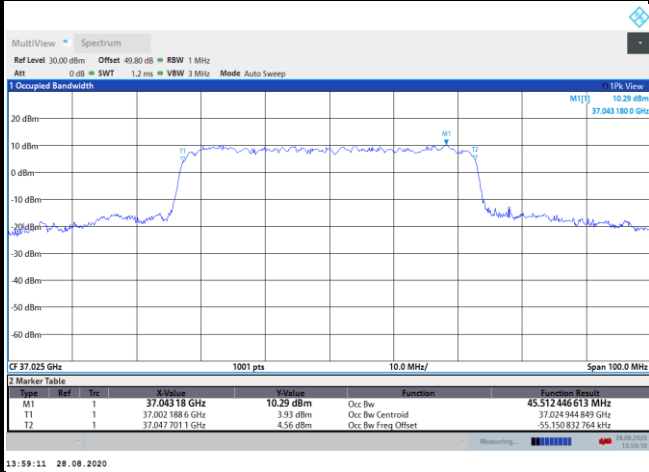




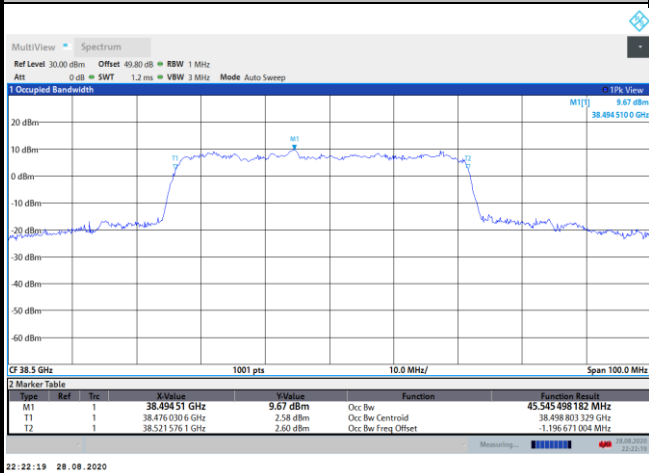
CP-OFDM Module 2

NR Band n260

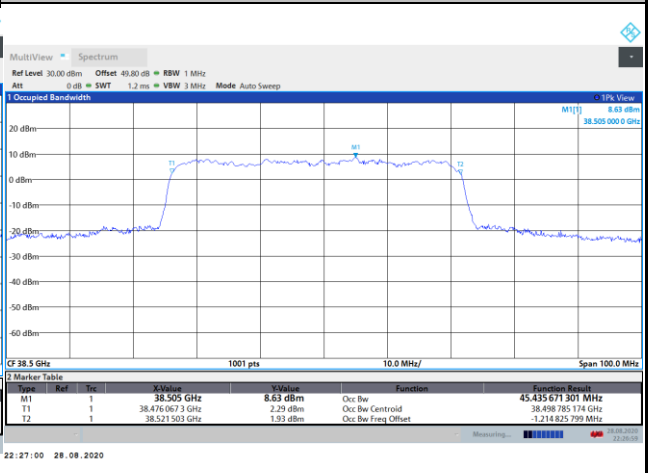
Lowest Channel / 50MHz / QPSK



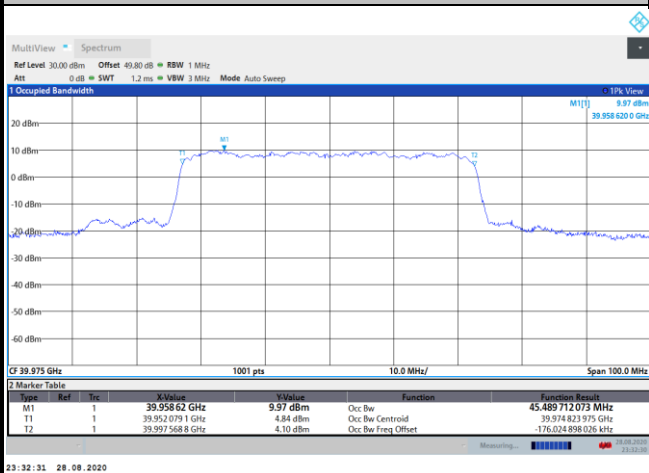
Middle Channel / 50MHz / QPSK



Middle Channel / 50MHz / 16QAM

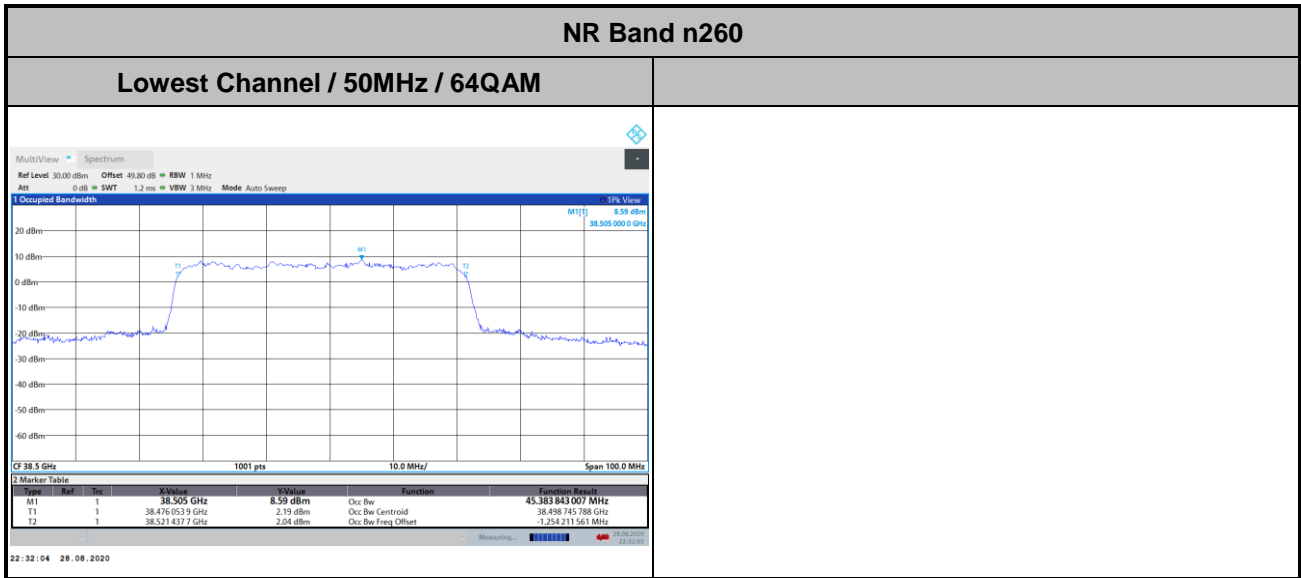


Highest Channel / 50MHz / QPSK





CP-OFDM Module 2

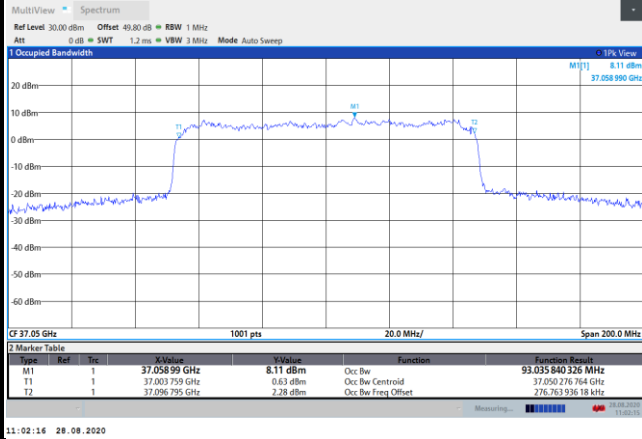




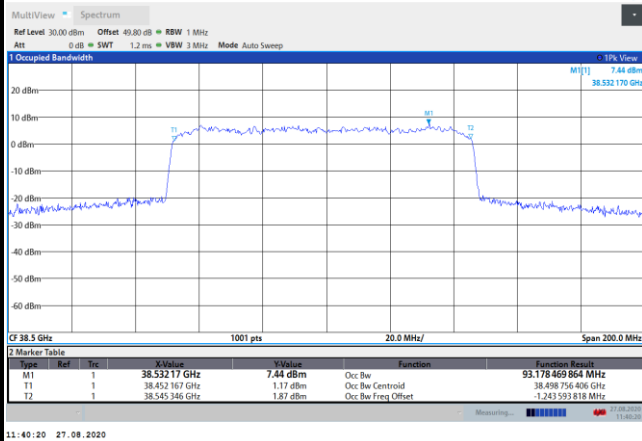
CP-OFDM Module 2

NR Band n260

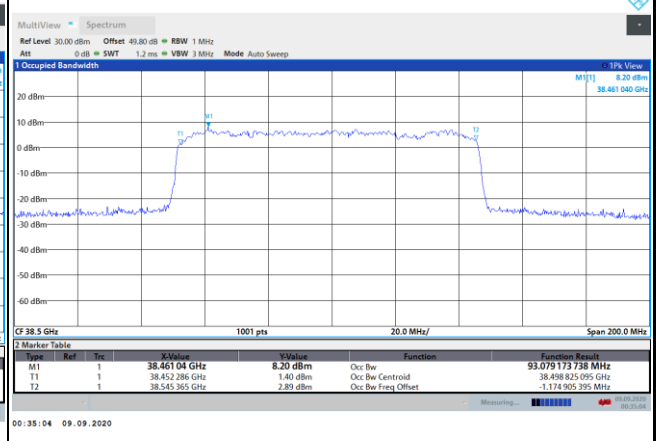
Lowest Channel / 100MHz / QPSK



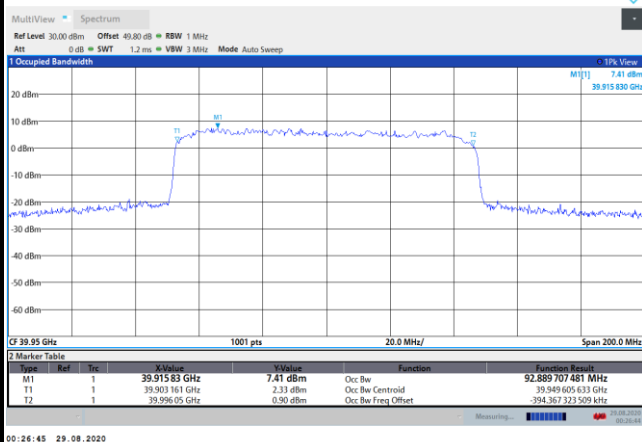
Middle Channel / 100MHz / QPSK



Middle Channel / 100MHz / 16QAM

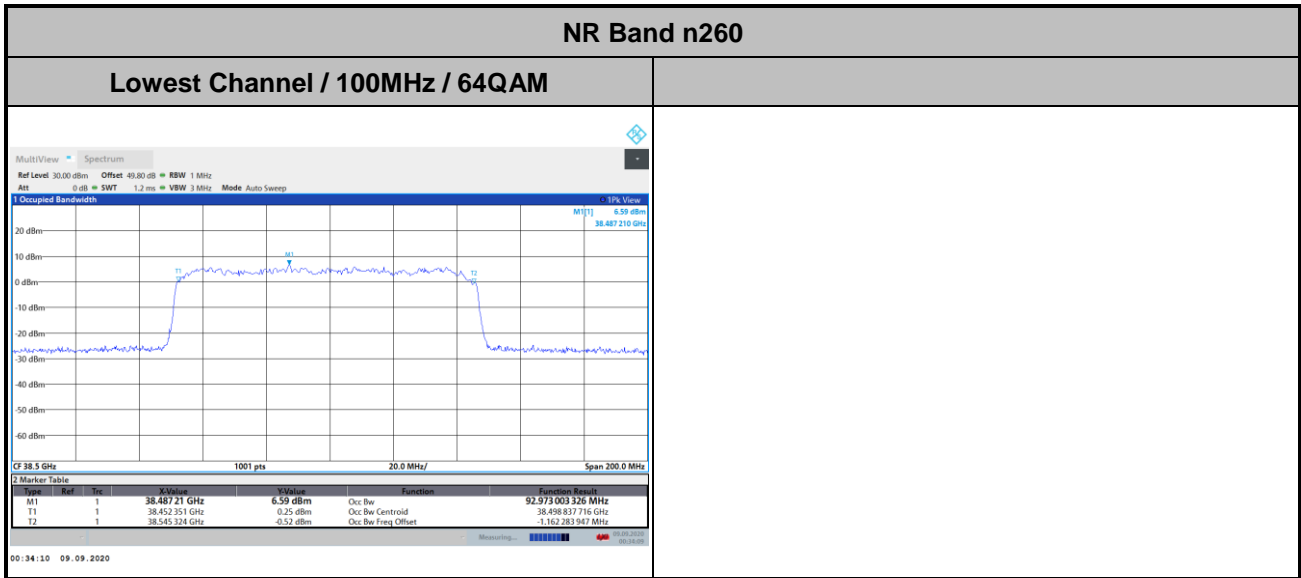


Highest Channel / 50MHz / QPSK





CP-OFDM Module 2

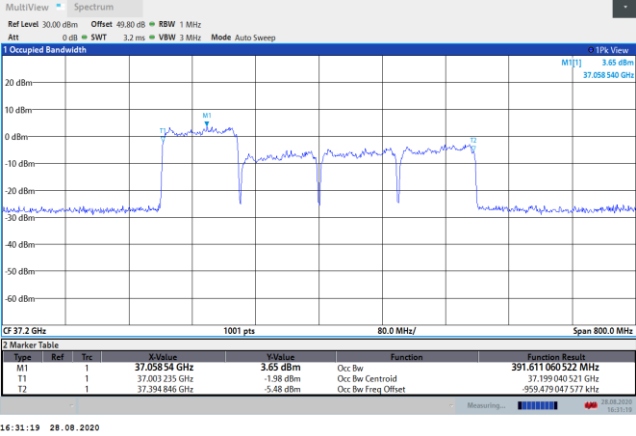




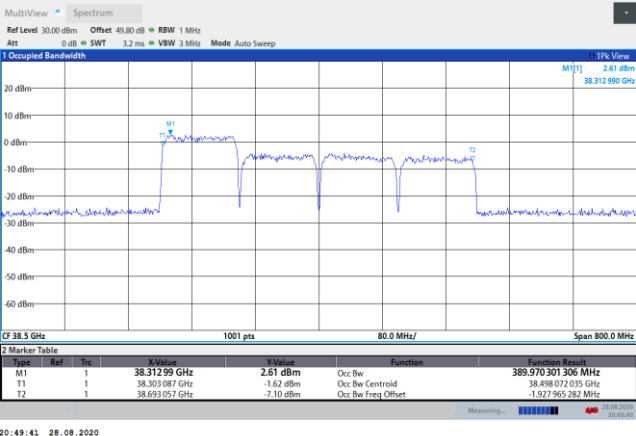
CP-OFDM Module 2

NR Band n260

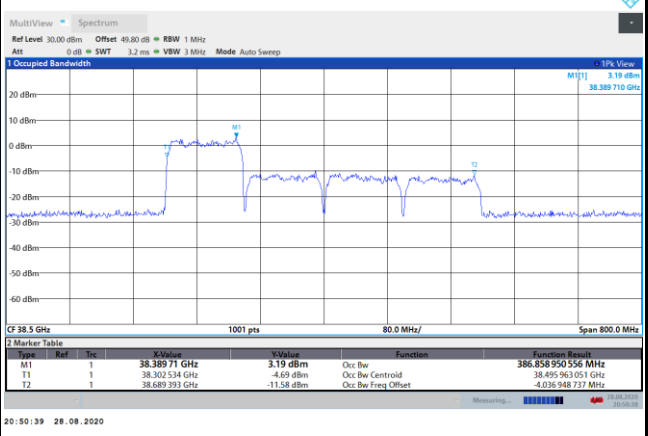
Lowest Channel / 400MHz / QPSK



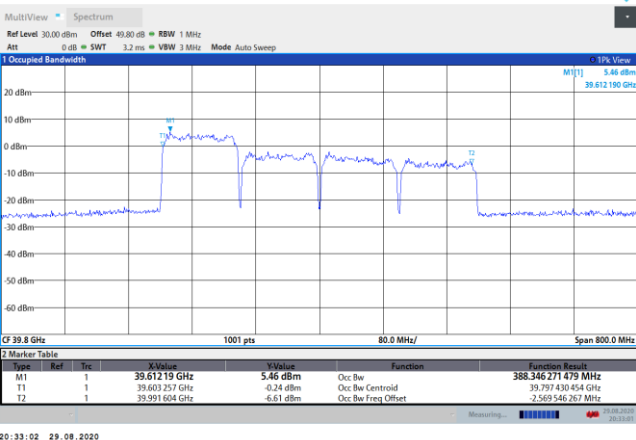
Middle Channel / 400MHz / QPSK



Middle Channel / 400MHz / 16QAM

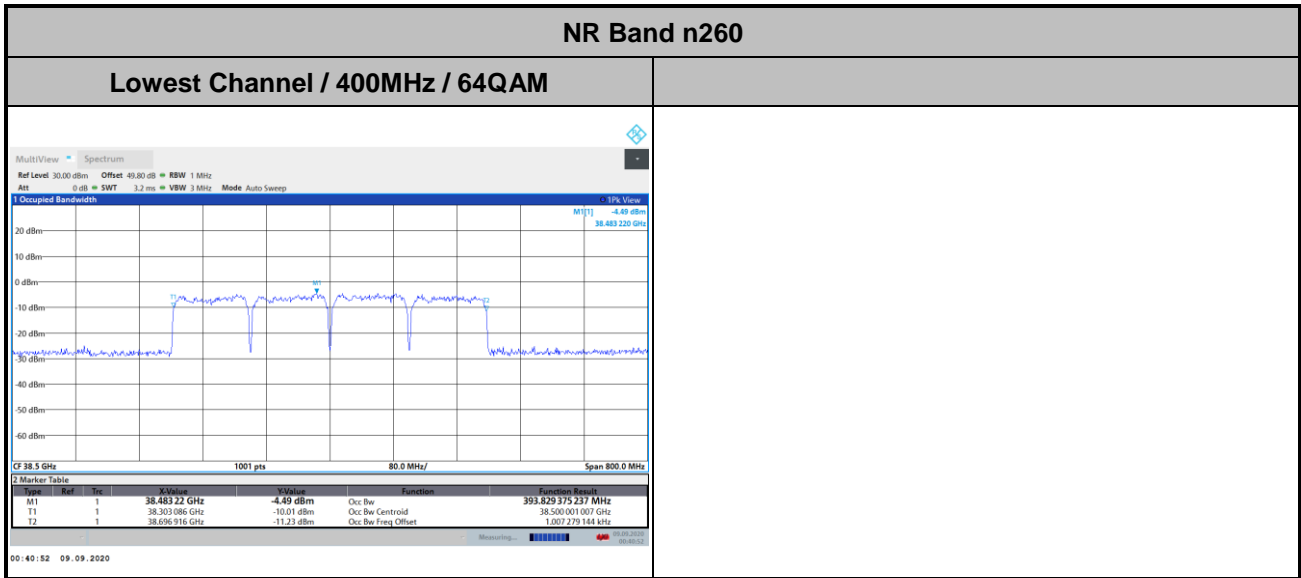


Highest Channel / 400MHz / QPSK





CP-OFDM Module 2





**Radiated Out of Band Emissions**

Mode			DFT-s-OFDM Module 2 NR Band n260 : BE (dBm) 1 RB		
BW			50MHz	100MHz	400MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≤ -5	-14.39	-14.79	-20.92
	>10%OB	≤ -13	-30.68	-32.66	-33.92
High CH	0~10%OB	≤ -5	-17.95	-18.84	-34.87
	>10%OB	≤ -13	-30.3	-31.42	-31.56
Result			Compliance		

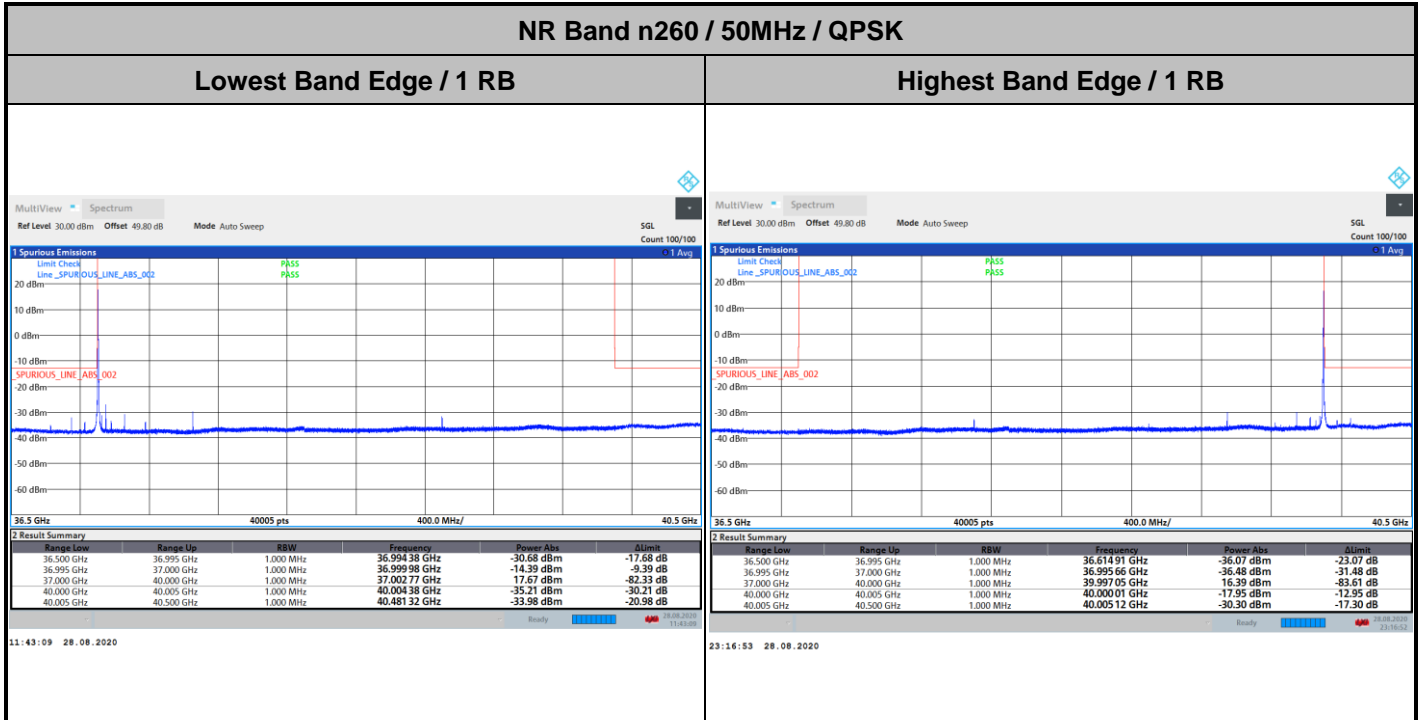
Mode			CP-OFDM Module 2 NR Band n260 : BE (dBm) 1 RB		
BW			50MHz	100MHz	400MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≤ -5	-17.31	-34.73	-20.36
	>10%OB	≤ -13	-33.95	-33.91	-30.99
High CH	0~10%OB	≤ -5	-18.72	-19.5	-34.98
	>10%OB	≤ -13	-31.96	-32.93	-30.24
Result			Compliance		

Mode			DFT-s-OFDM Module 2 NR Band n260 : BE (dBm) Full RB		
BW			50MHz	100MHz	400MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≤ -5	-24.18	-26.67	-34.99
	>10%OB	≤ -13	-26.46	-28.59	-35.62
High CH	0~10%OB	≤ -5	-27.13	-30.72	-32.98
	>10%OB	≤ -13	-29.08	-31.5	-32.66
Result			Compliance		

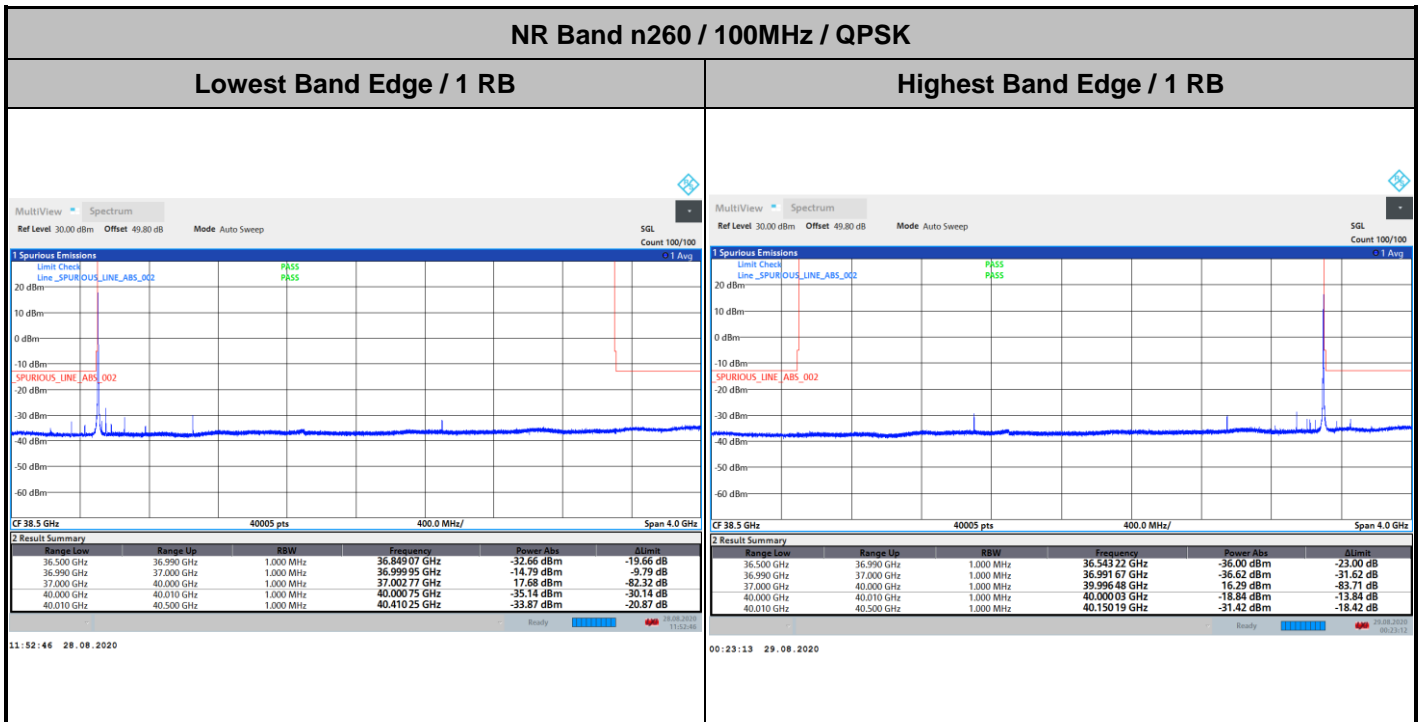
Mode			CP-OFDM Module 2 NR Band n260 : BE (dBm) Full RB		
BW			50MHz	100MHz	400MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≤ -5	-26.05	-29.43	-34.83
	>10%OB	≤ -13	-27.52	-30.77	-33.93
High CH	0~10%OB	≤ -5	-27.77	-30.4	-34.07
	>10%OB	≤ -13	-29.47	-31.9	-34.06
Result			Compliance		



DFT-s-OFDM Module 2



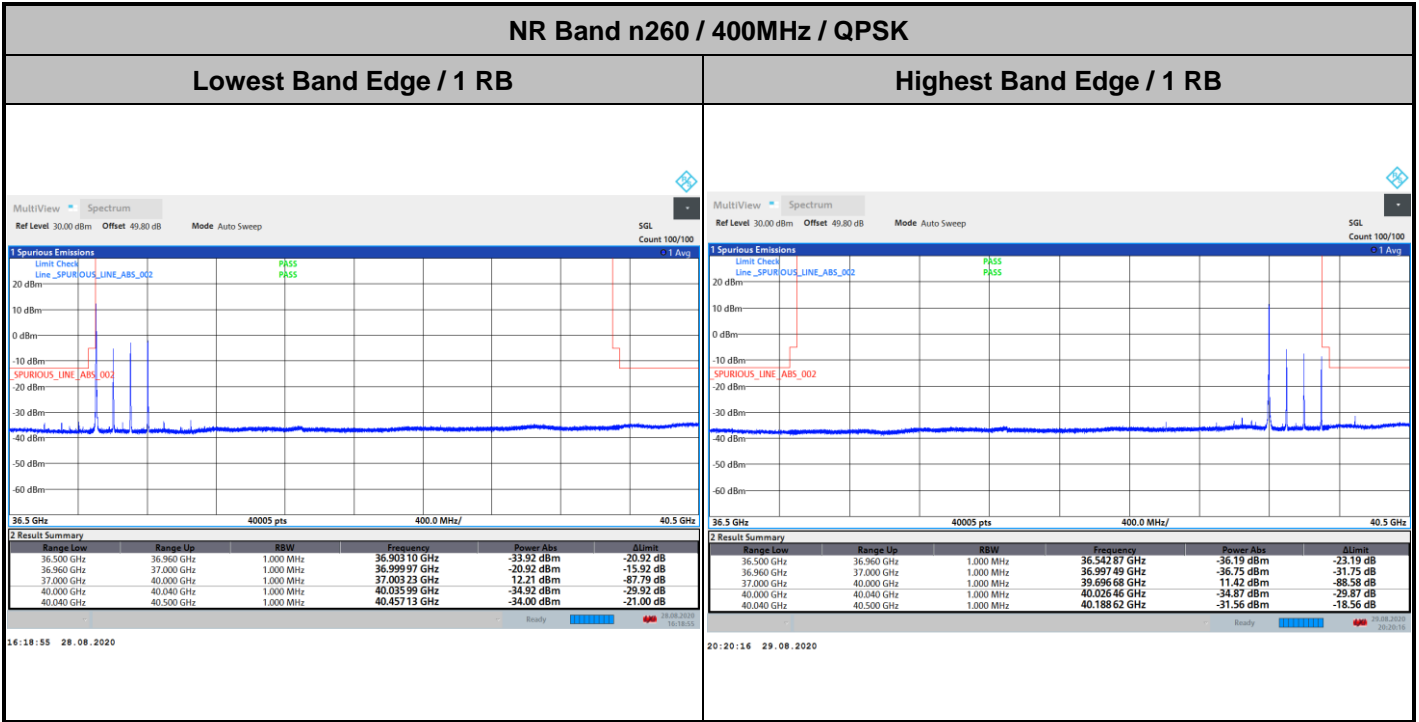
DFT-s-OFDM Module 2



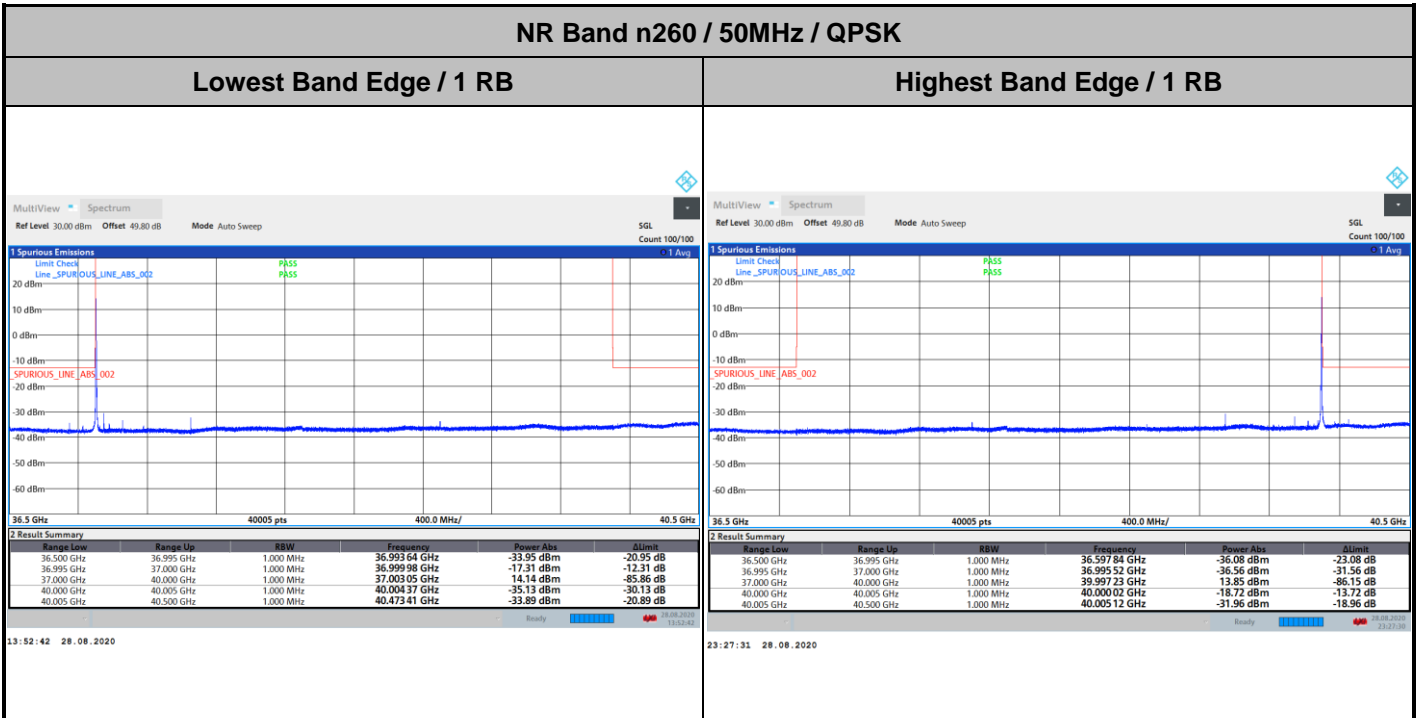




DFT-s-OFDM Module 2

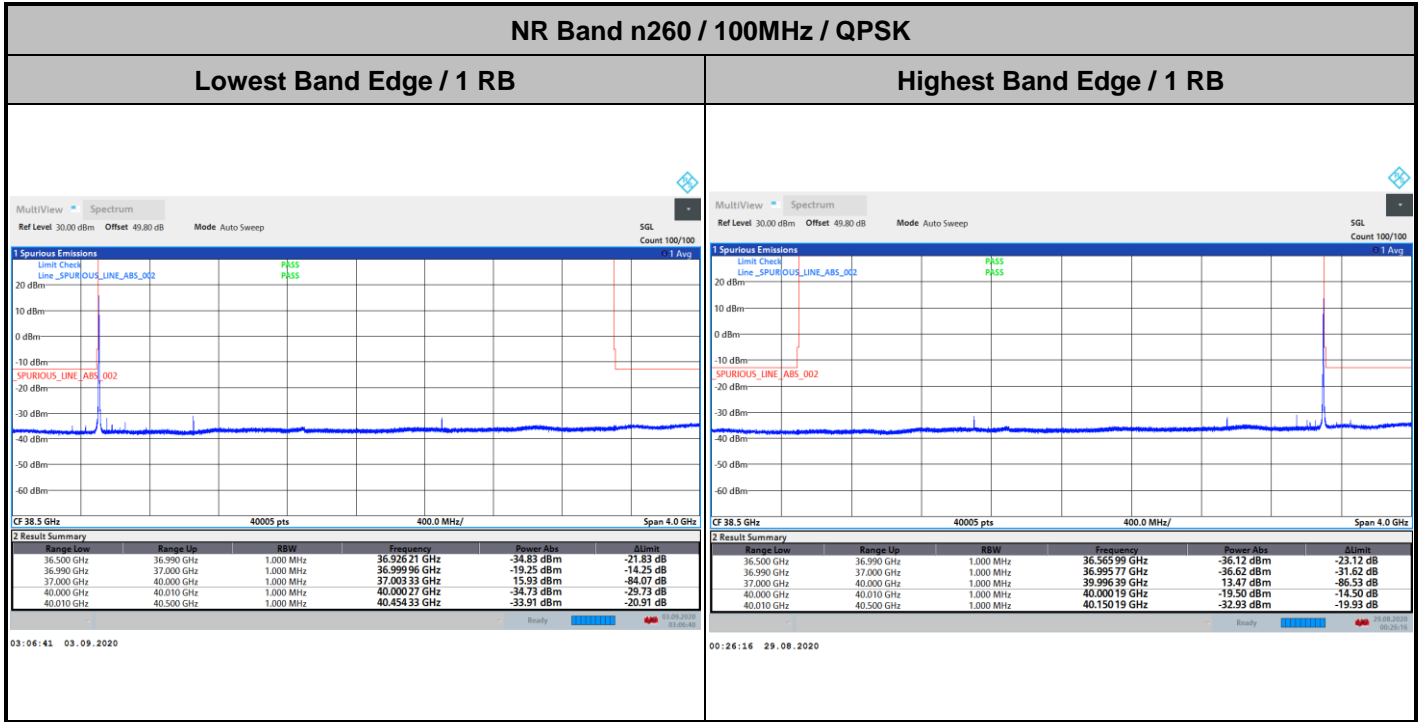


CP-OFDM Module 2

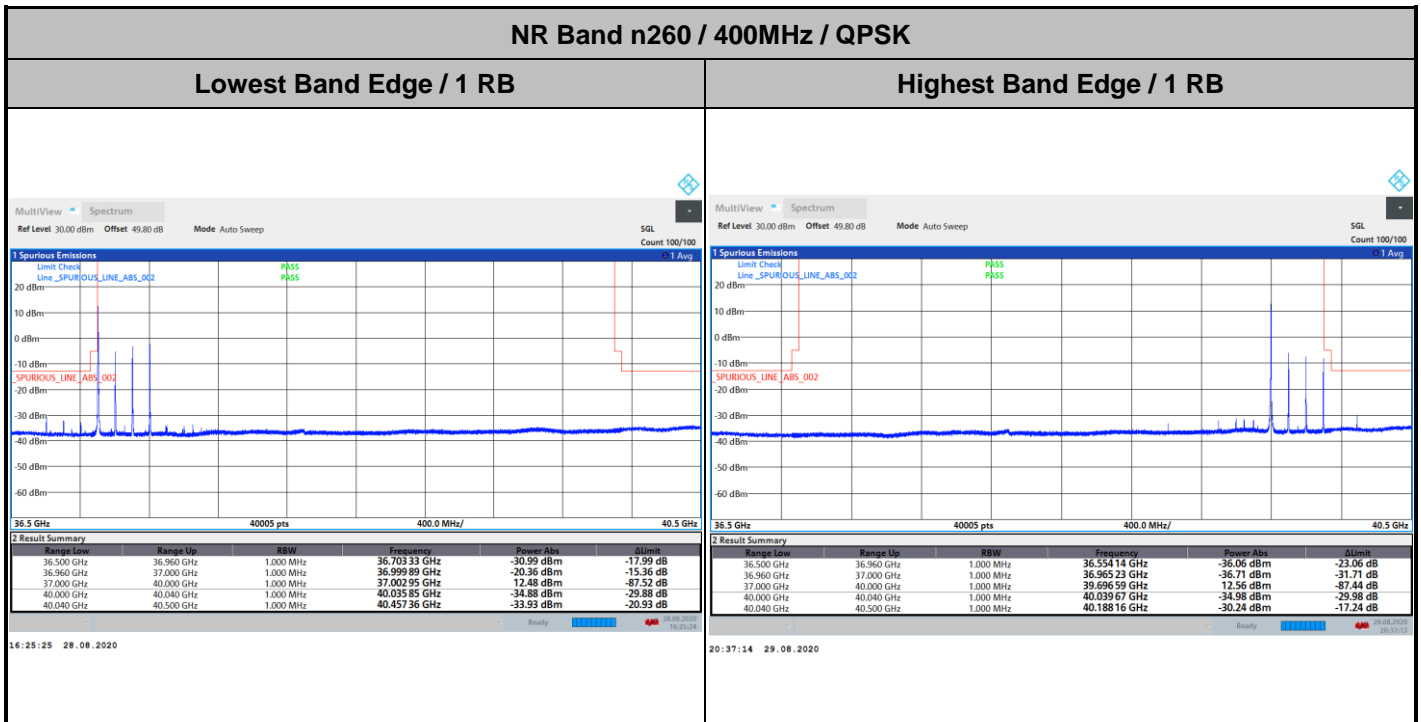




CP-OFDM Module 2

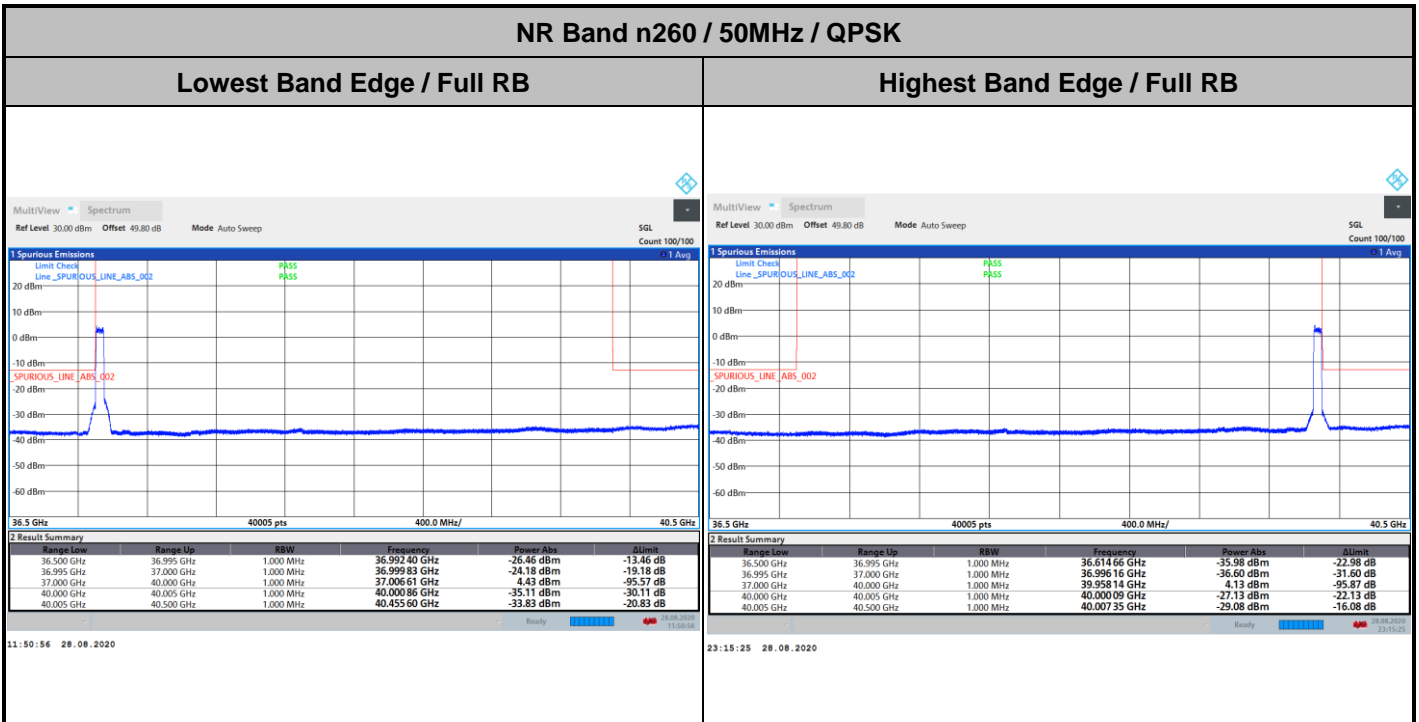


CP-OFDM Module 2

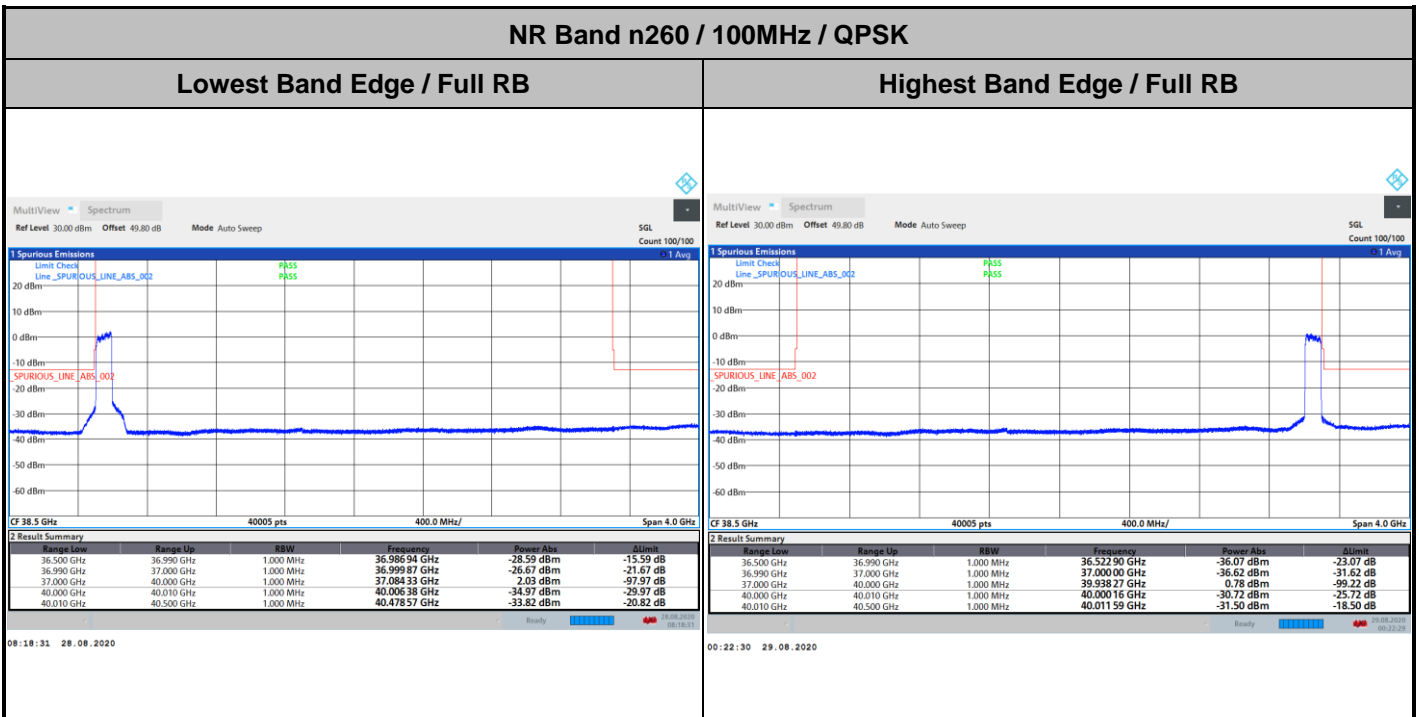




DFT-s-OFDM Module 2

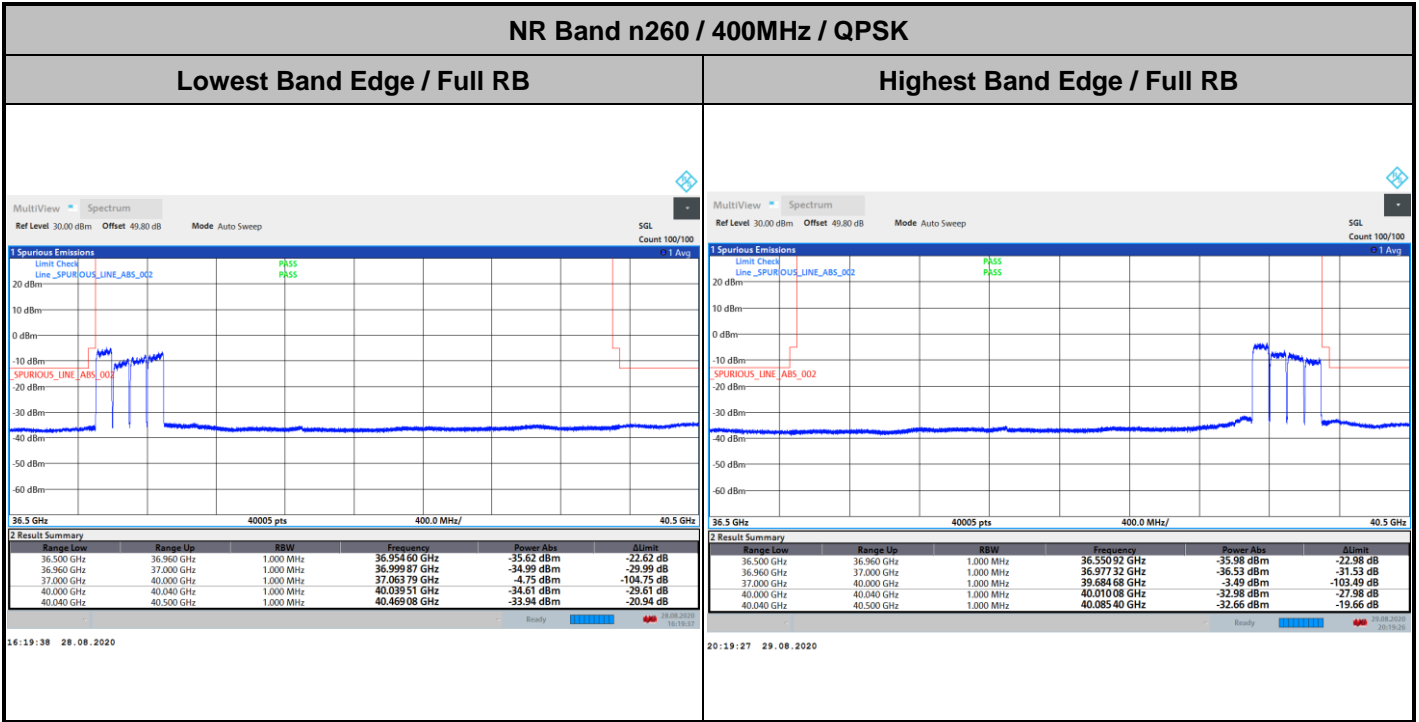


DFT-s-OFDM Module 2





DFT-s-OFDM Module 2



CP-OFDM Module 2

