

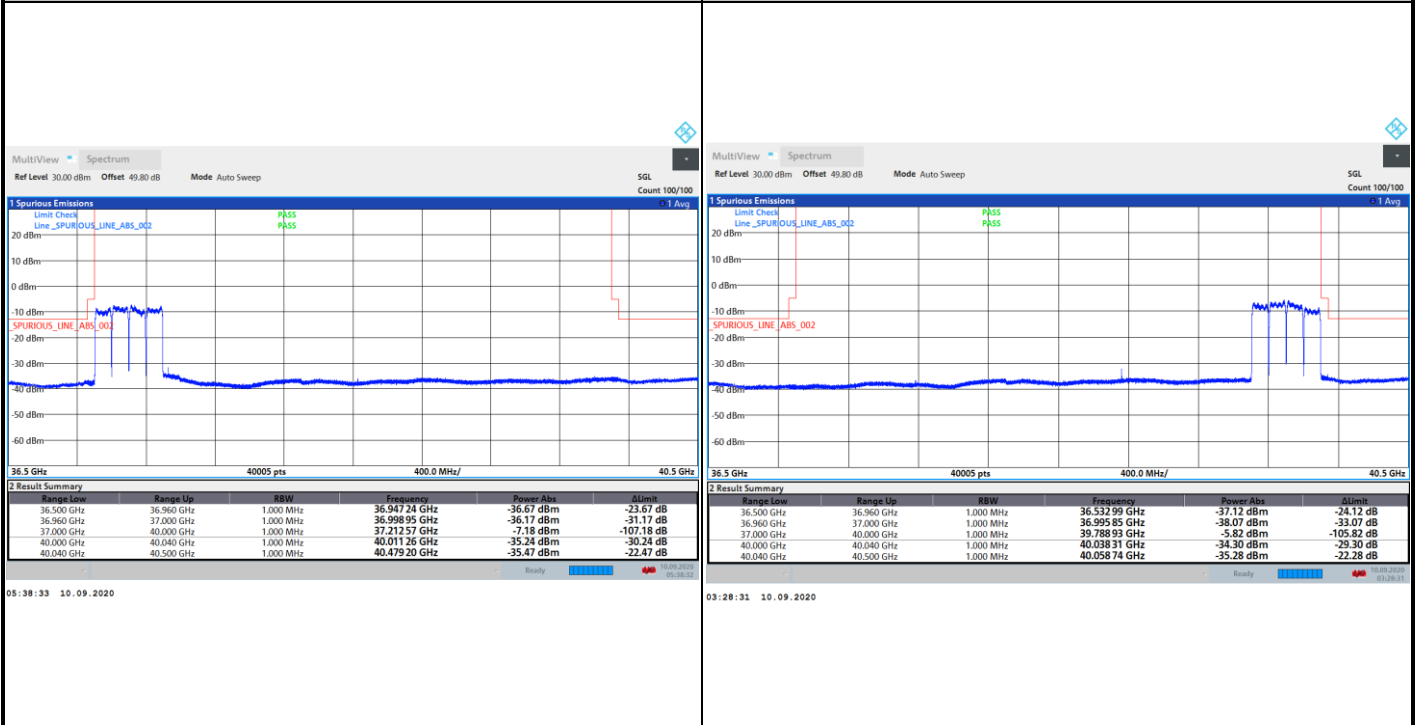


CP-OFDM Module 1

NR Band n260 / 400MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

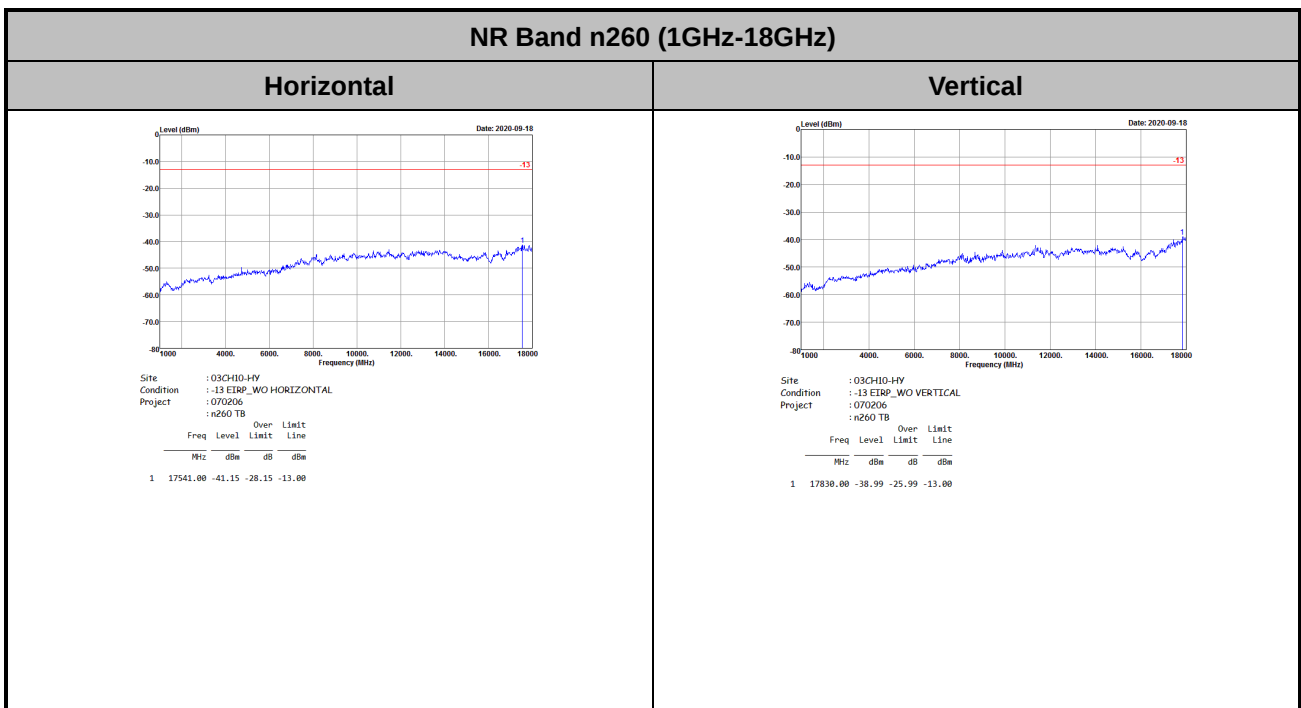
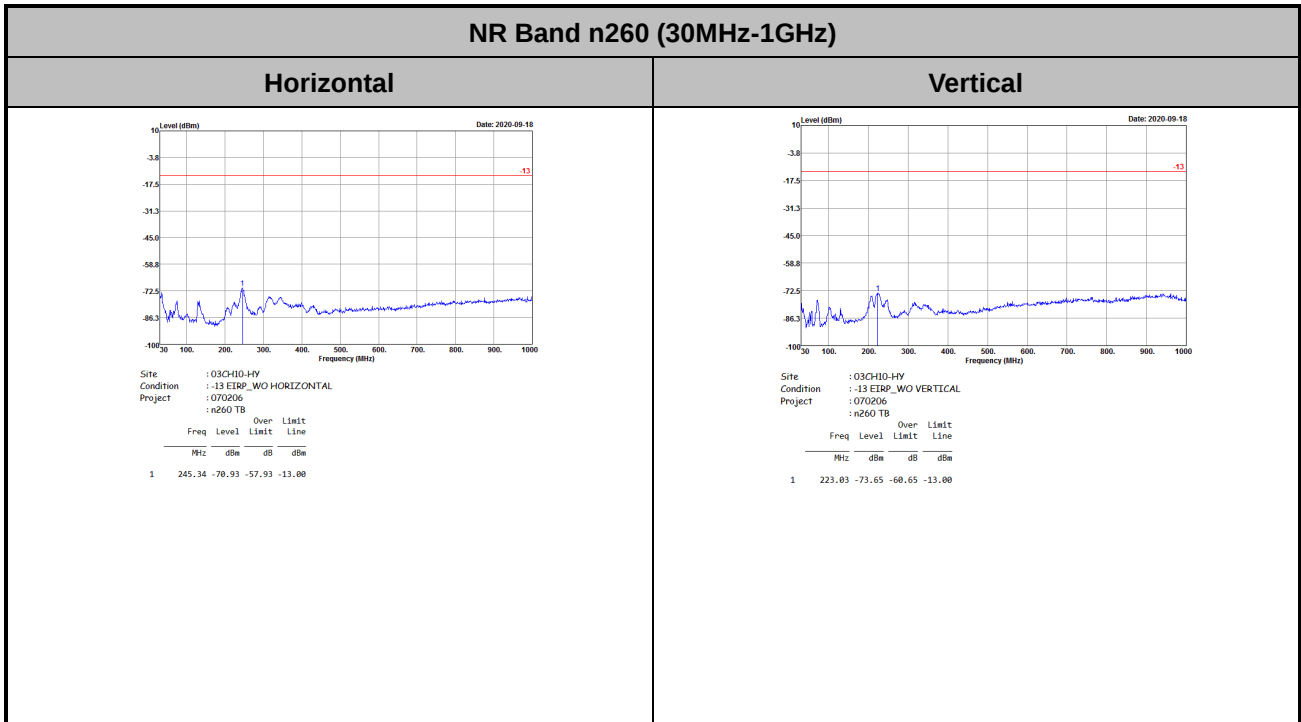




Spurious Emission

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

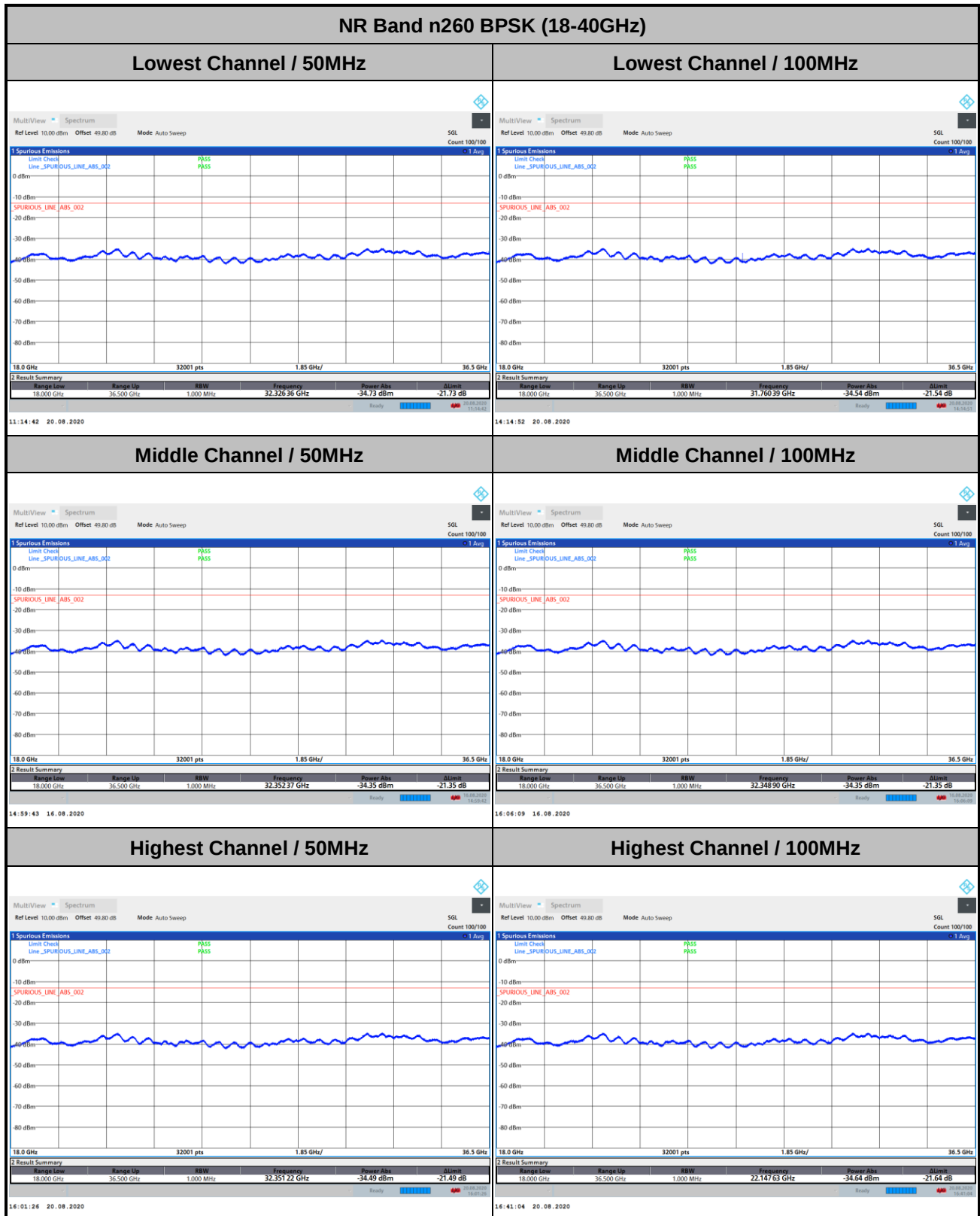
Only the noise floor is reported.

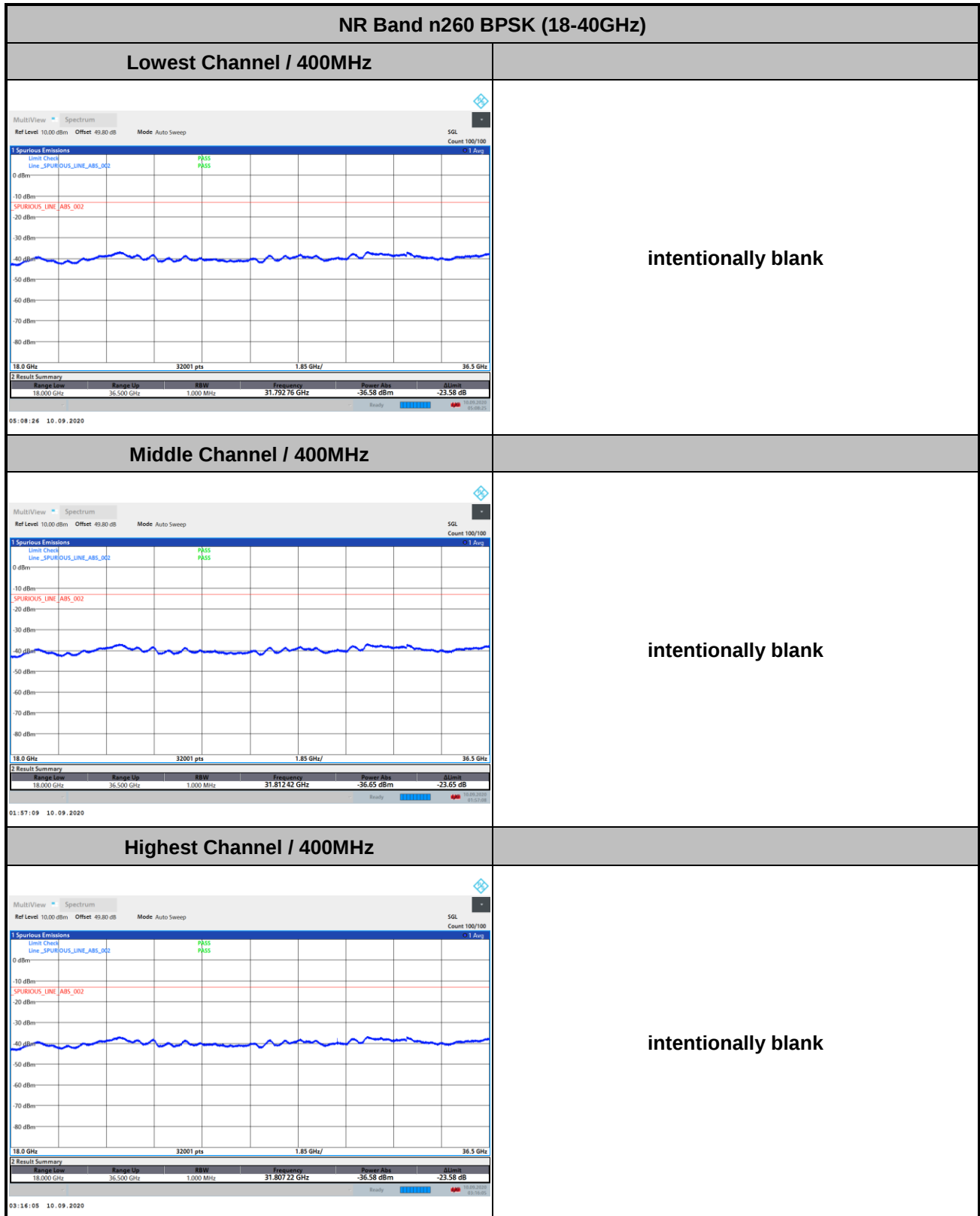




Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

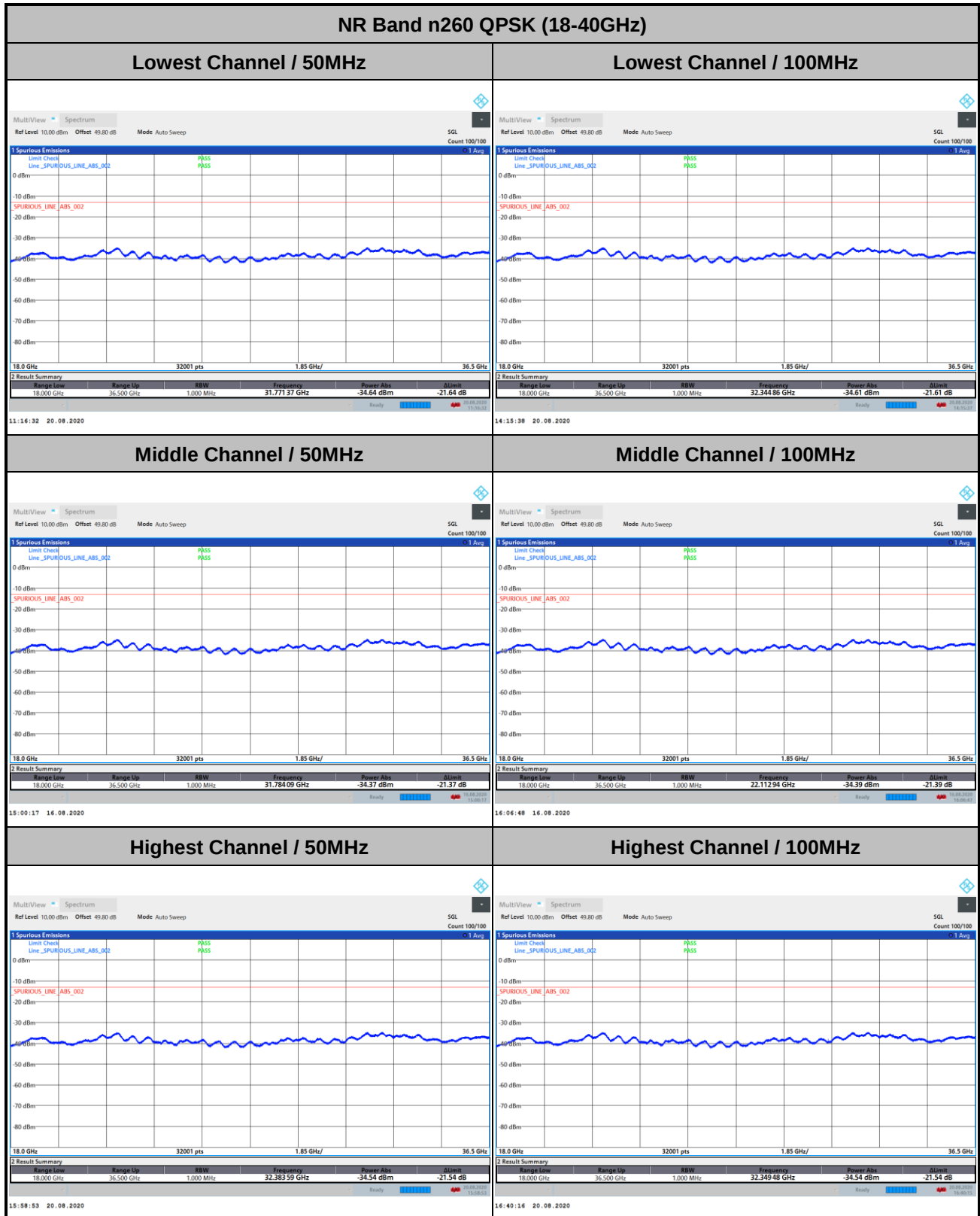
DFT-s-OFDM Module 1



**DFT-s-OFDM Module 1**

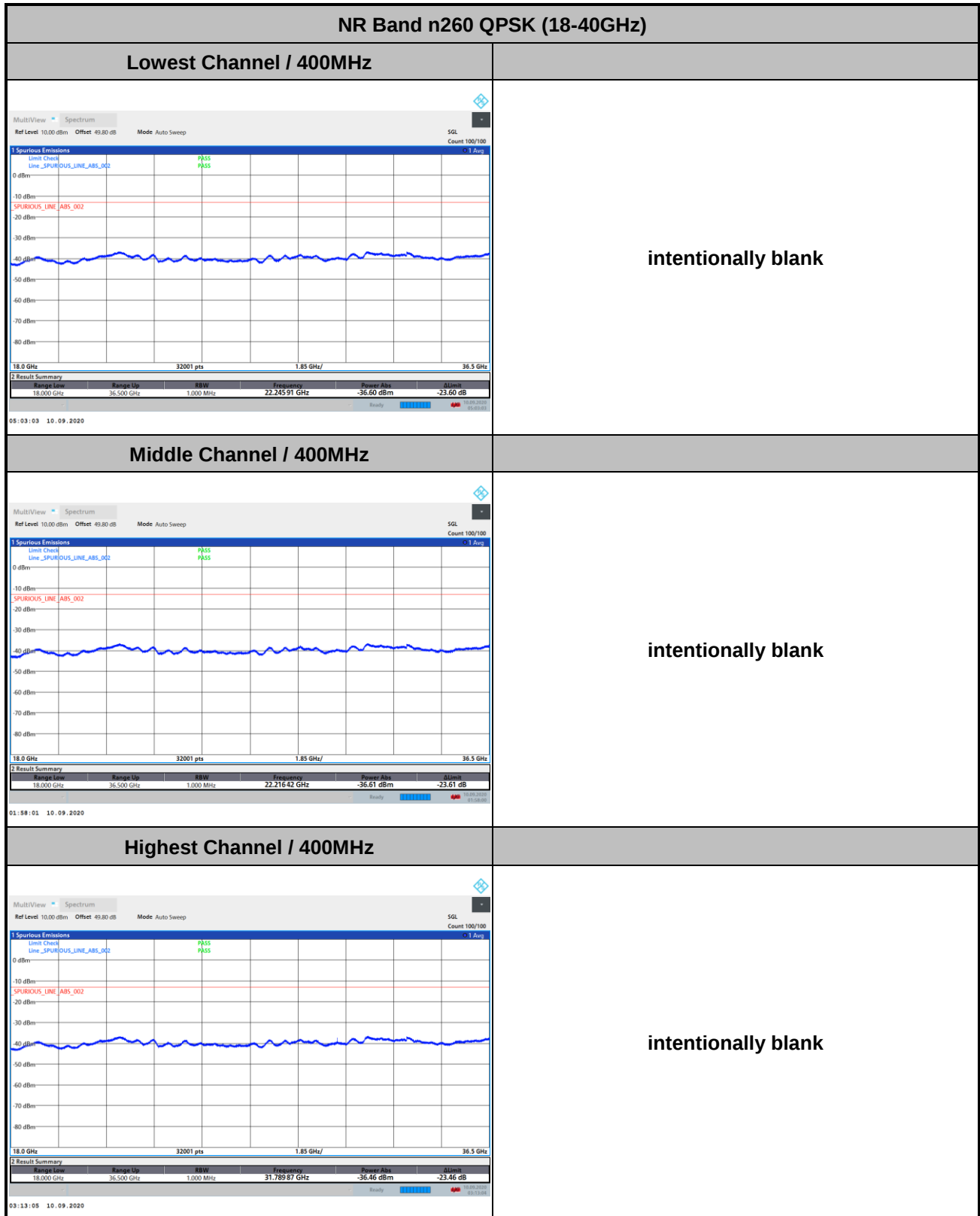


DFT-s-OFDM Module 1



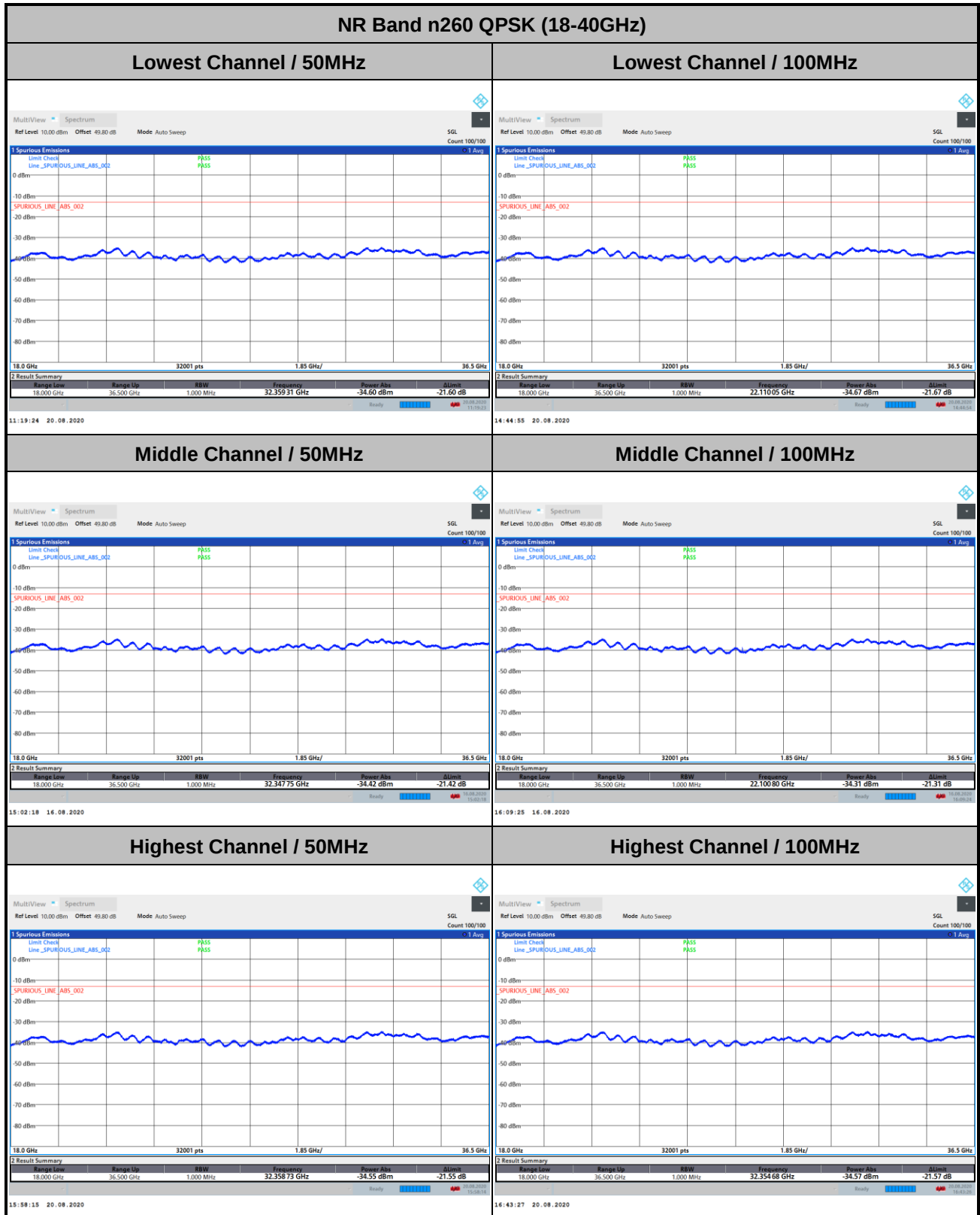


DFT-s-OFDM Module 1



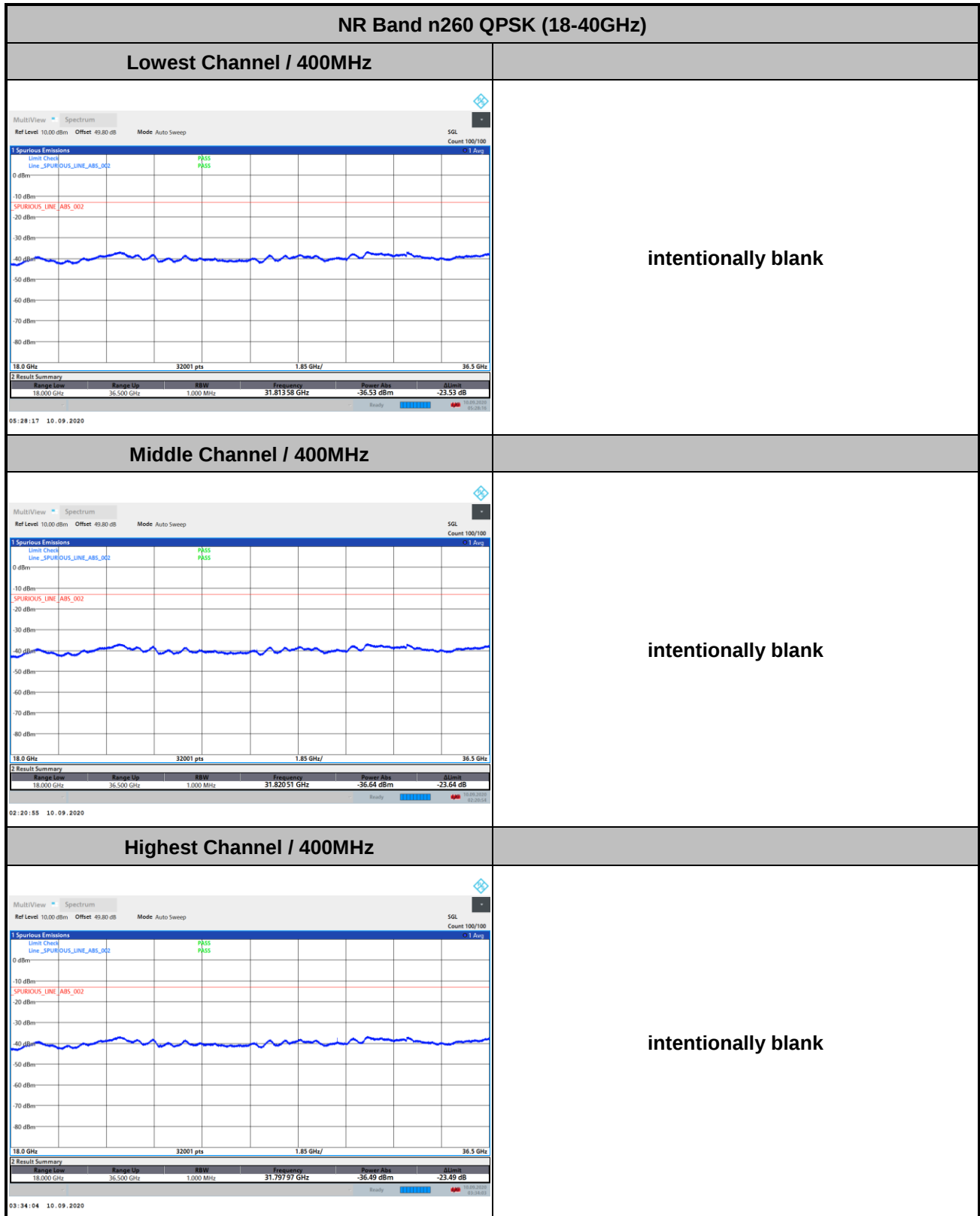


CP-OFDM Module 1



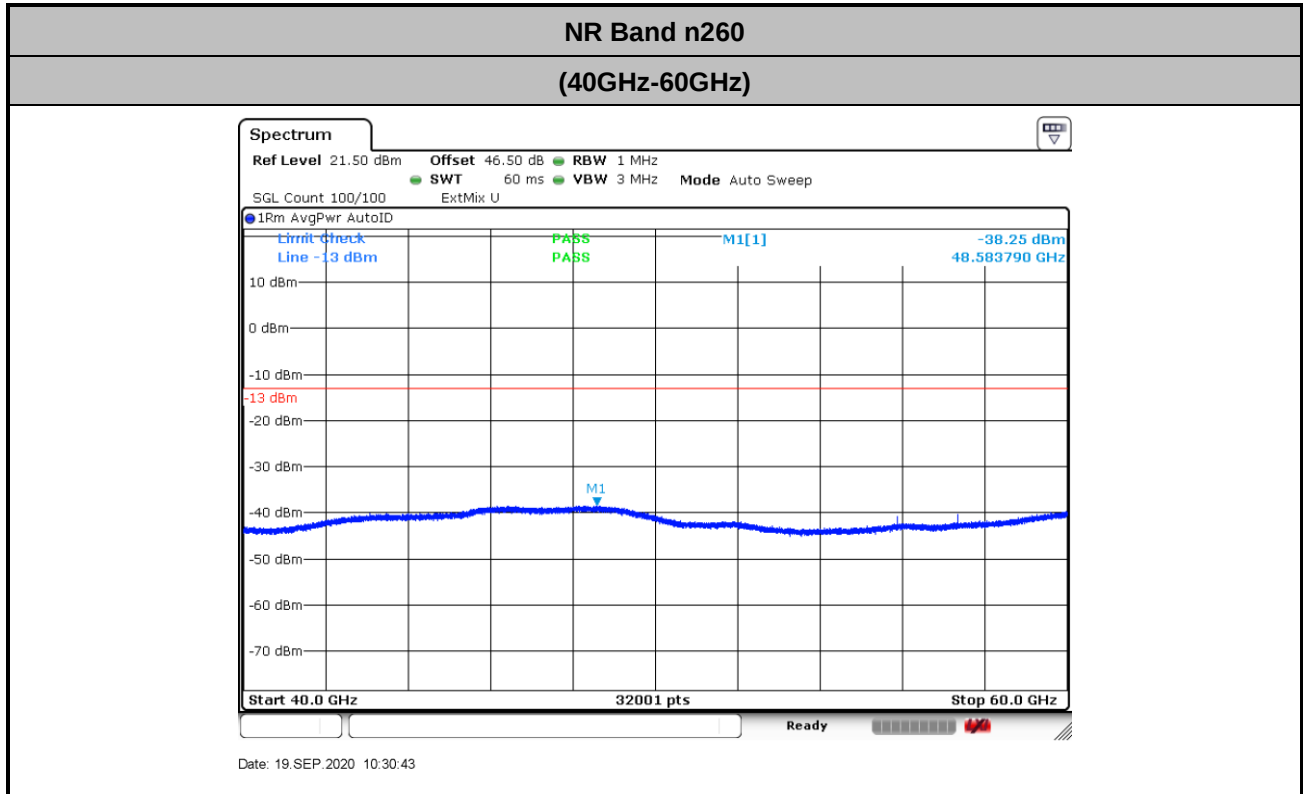


CP-OFDM Module 1

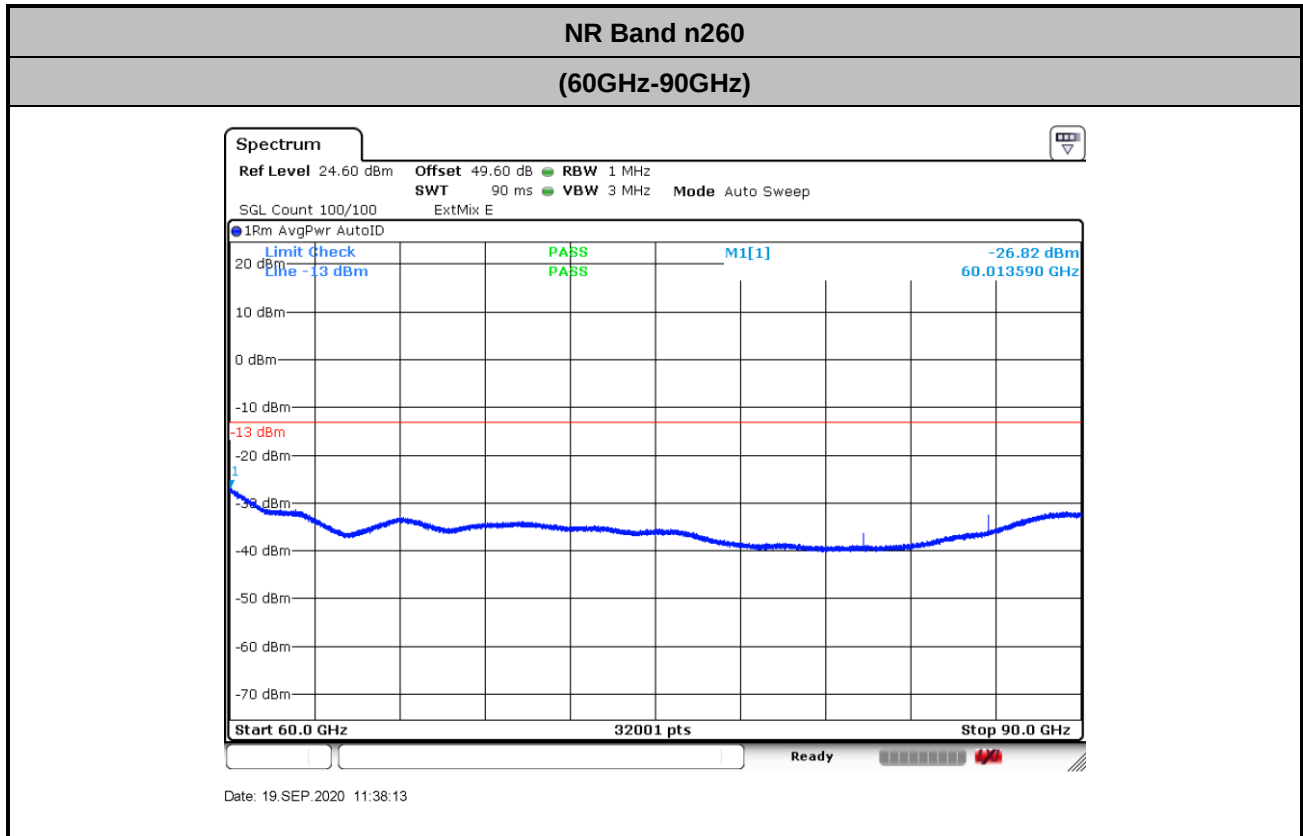




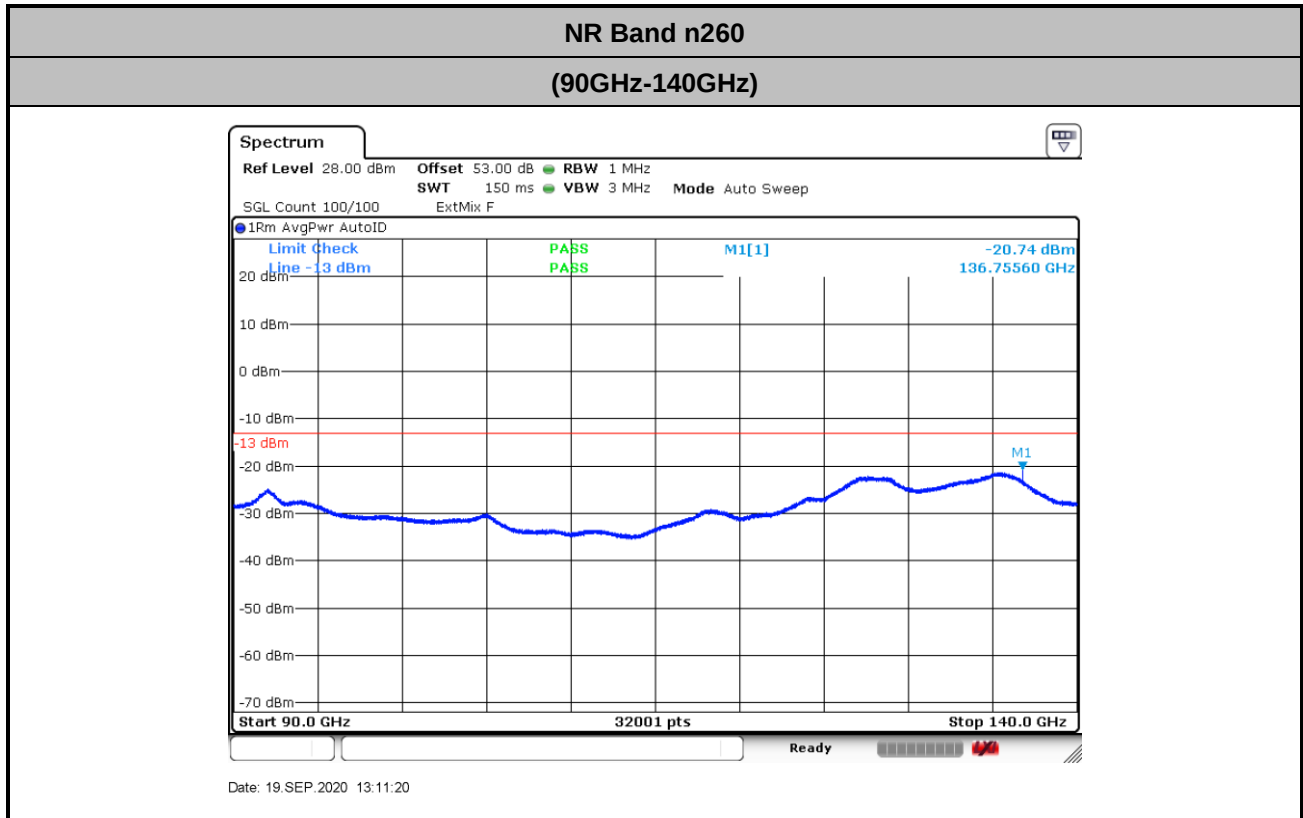
There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz.
Only the noise floor is reported.



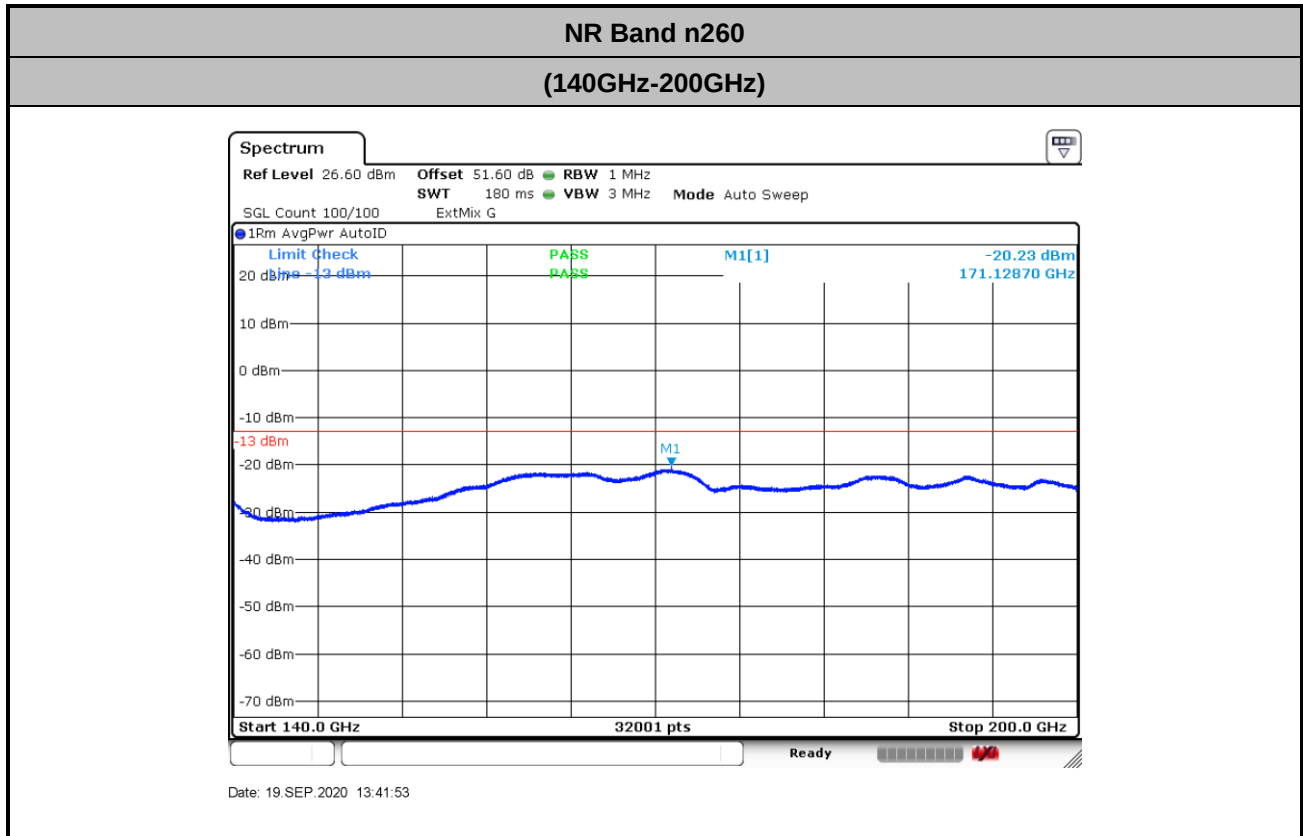
$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.3 + 2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)}\end{aligned}$$



$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 45.4 + 2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)}\end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 48.8 + 2 + 107 + 20\log(1) - 104.8 = 53 \text{ (dB)} \end{aligned}$$



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



NR Band n260 Module 2 AG0

Occupied Bandwidth

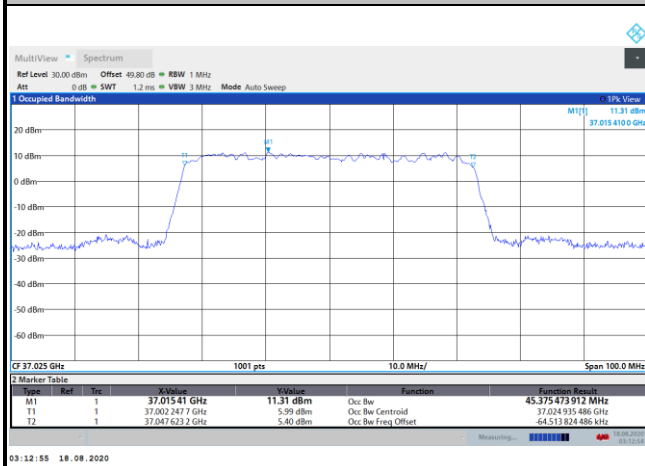
Mode	DFT-s-OFDM Module 2 NR Band n260 : 99%OBW(MHz)											
BW	50MHz				100MHz				400MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.37	45.33	-	-	90.24	90.53	-	-	389.12	388.63	-	-
Middle CH	45.24	45.12	45.20	45.18	90.40	90.25	89.99	90.71	387.47	388.39	387.79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

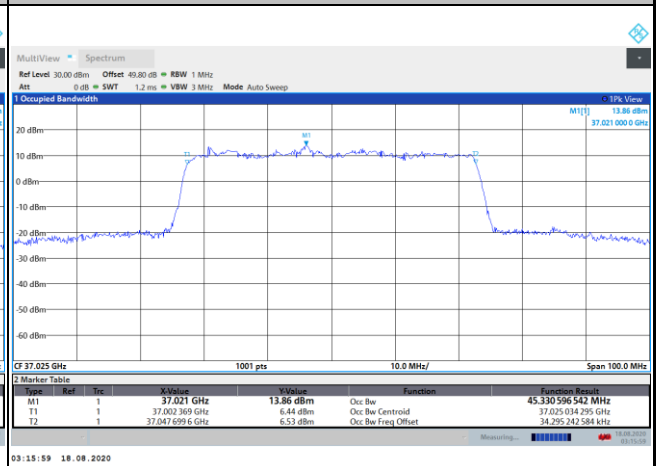
DFT-s-OFDM Module 2

NR Band n260

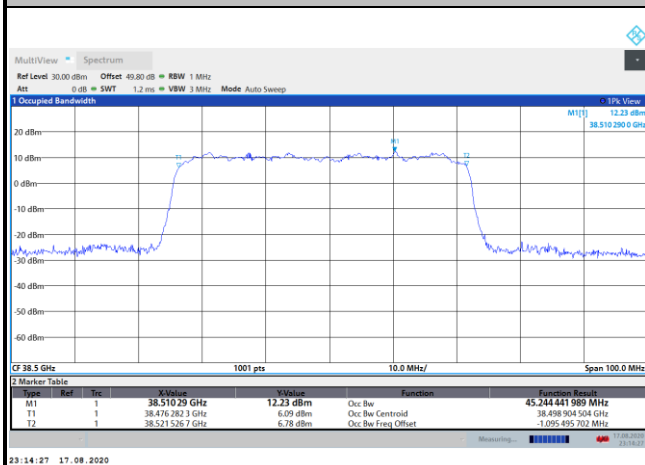
Lowest Channel / 50MHz / BPSK



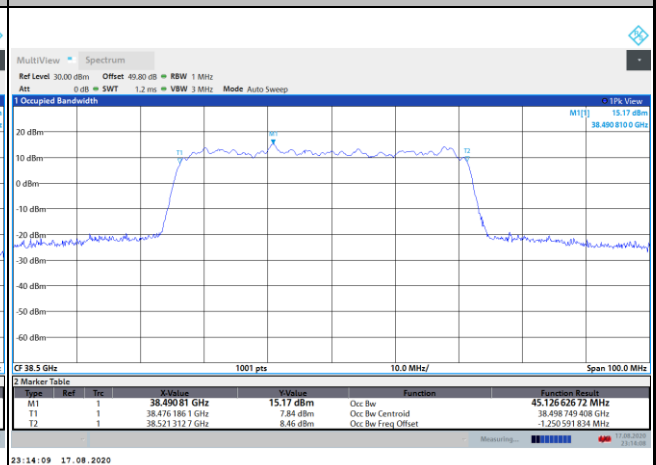
Lowest Channel / 50MHz / QPSK



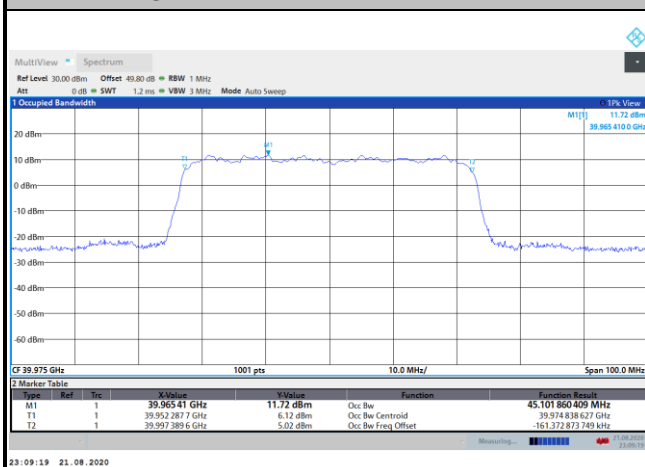
Middle Channel / 50MHz / BPSK



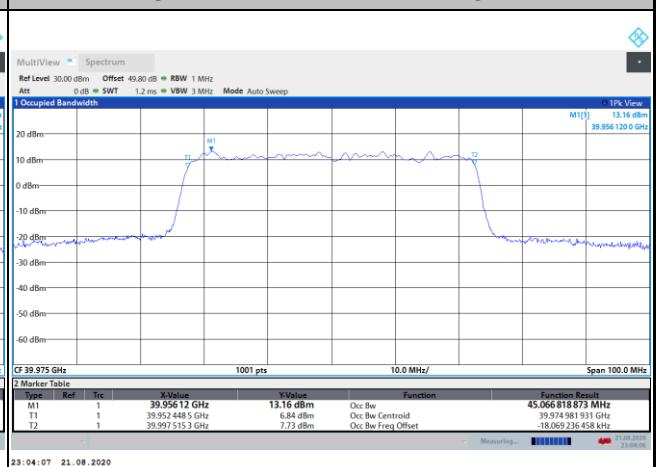
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK

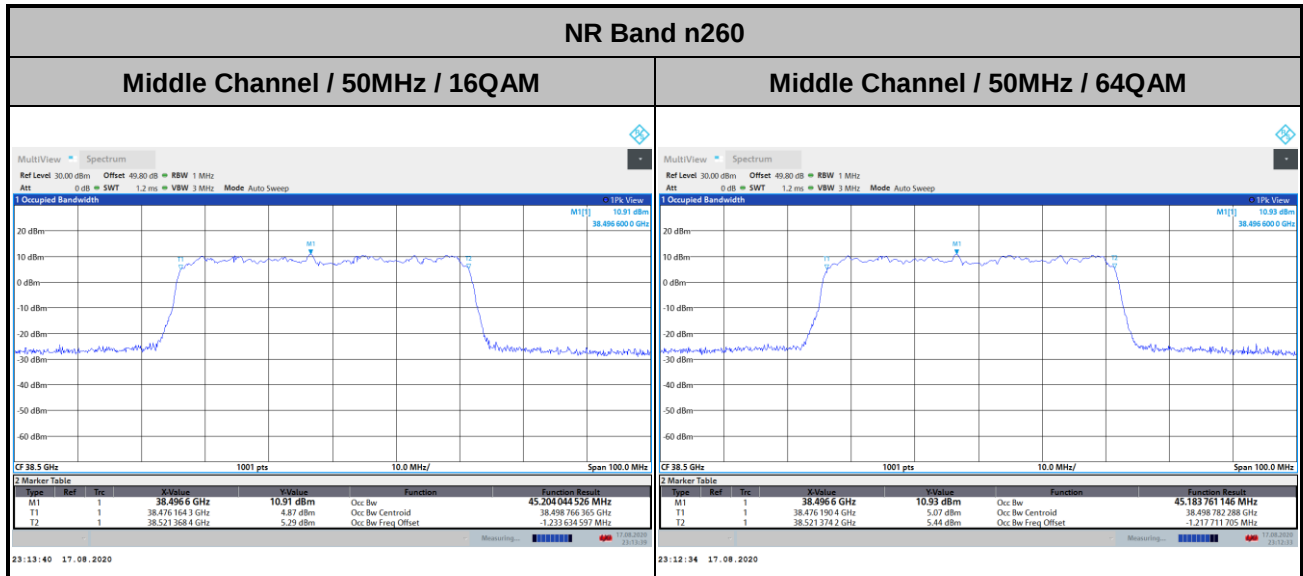


Highest Channel / 50MHz / QPSK





DFT-s-OFDM Module 2

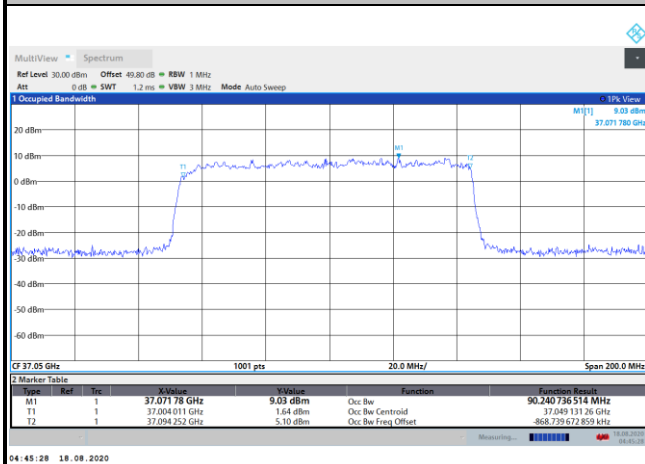




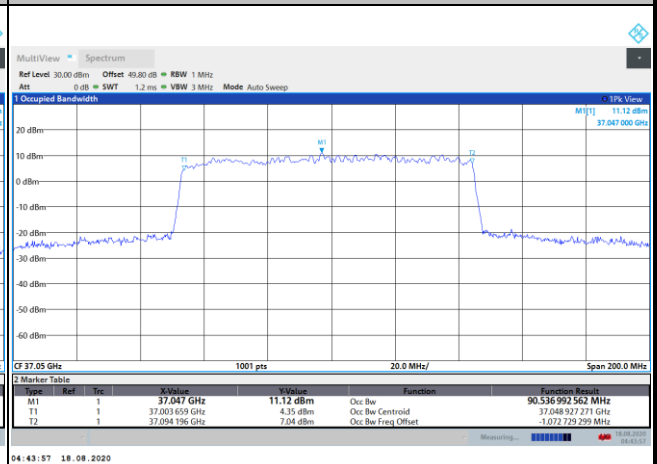
DFT-s-OFDM Module 2

NR Band n260

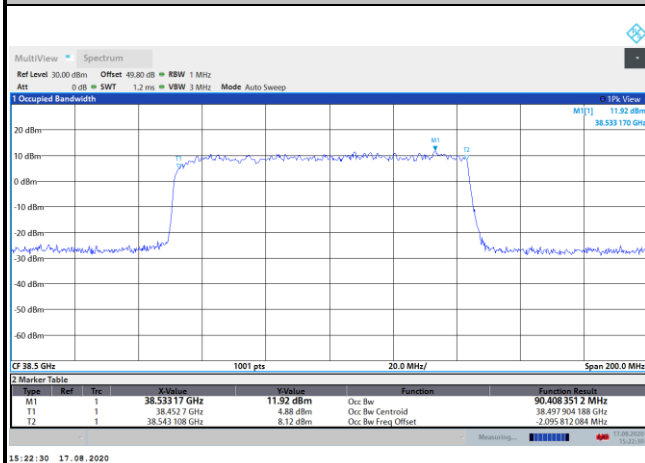
Lowest Channel / 100MHz / BPSK



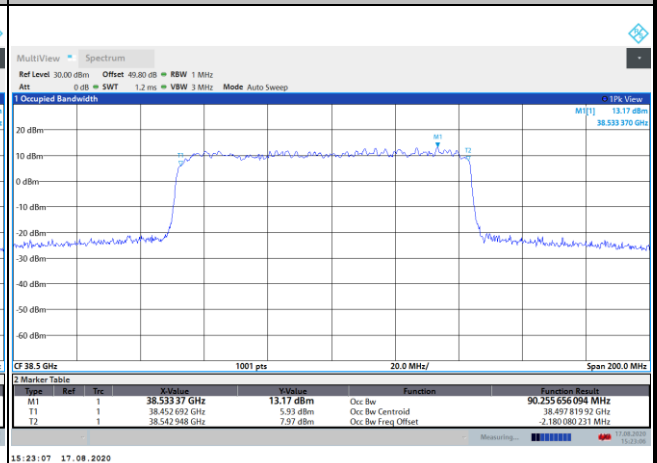
Lowest Channel / 100MHz / QPSK



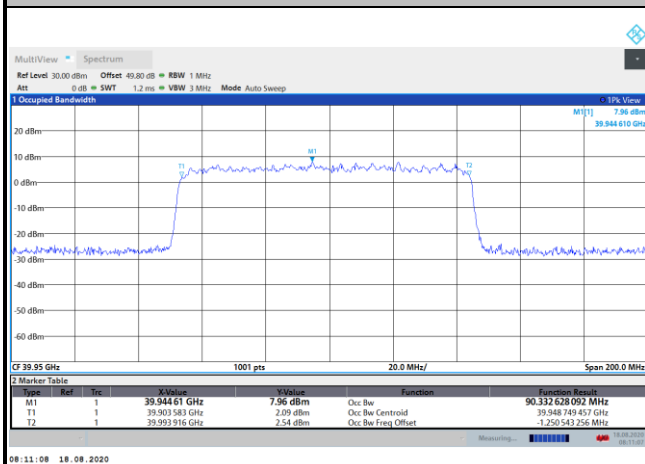
Middle Channel / 100MHz / BPSK



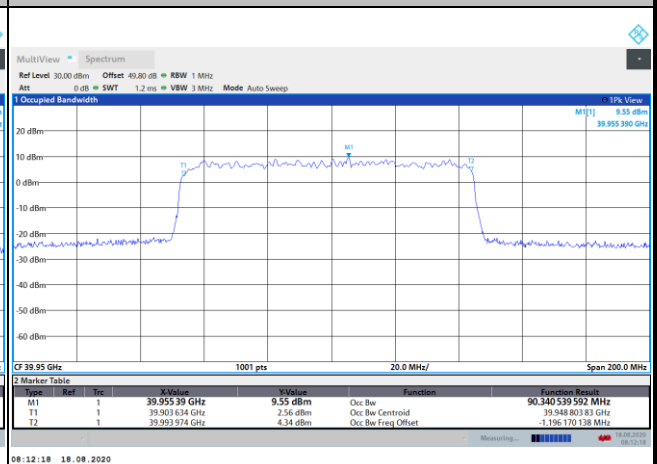
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK

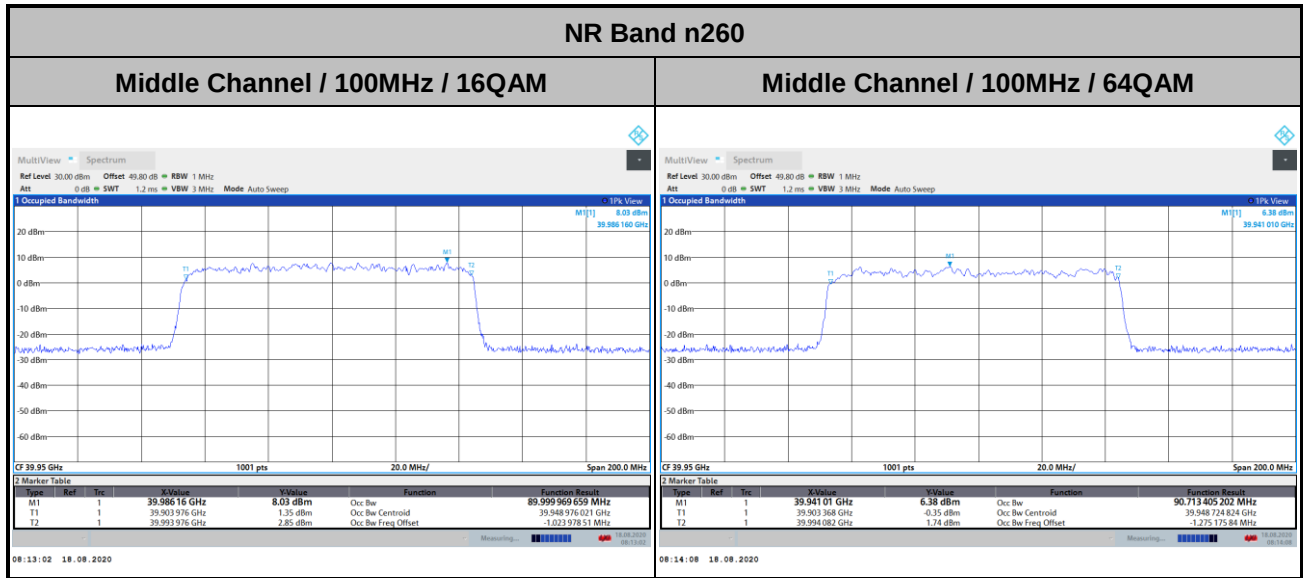


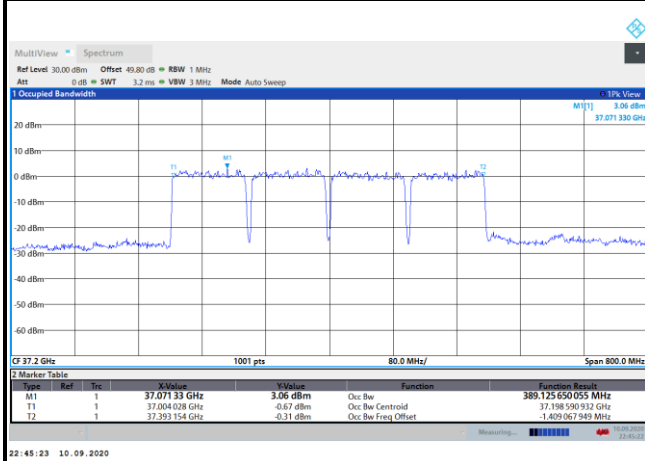
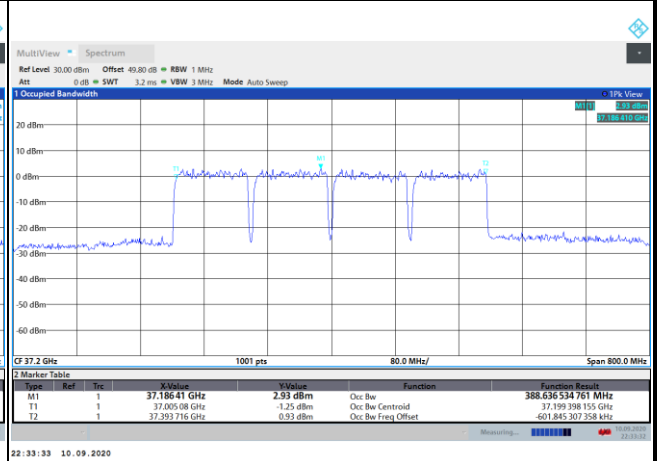
Highest Channel / 100MHz / QPSK



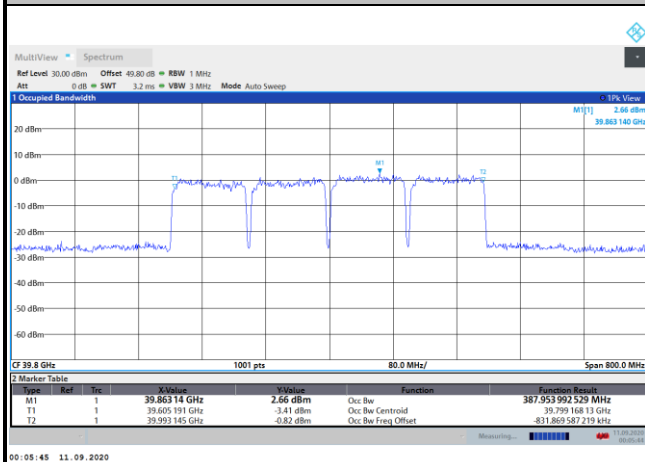


DFT-s-OFDM Module 2



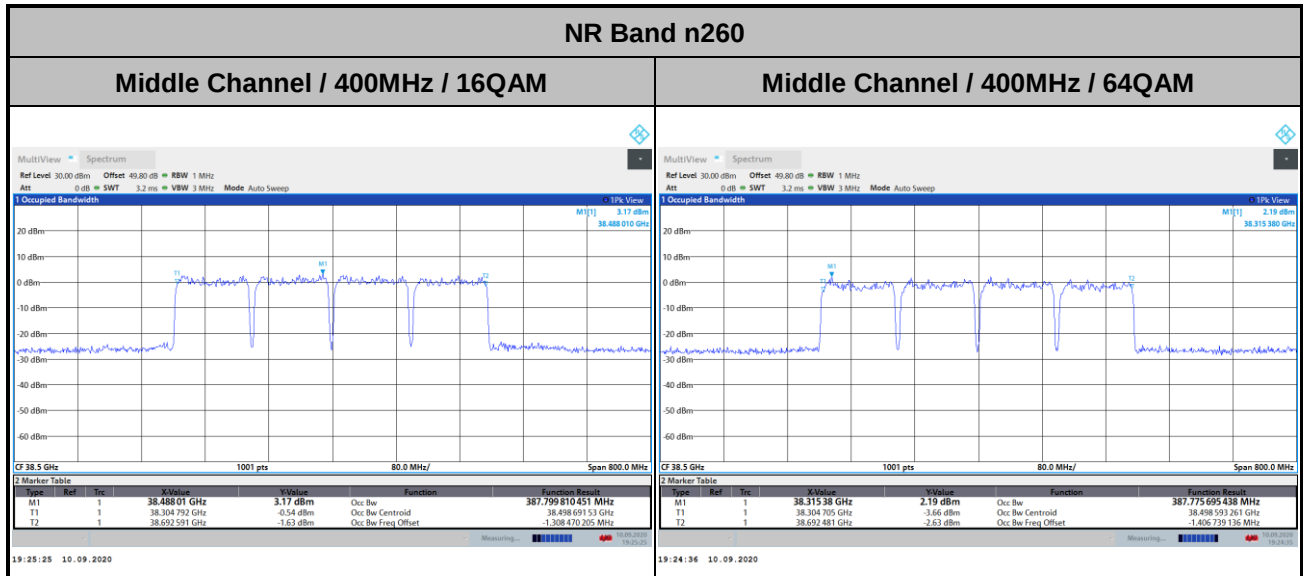
DFT-s-OFDM Module 2
NR Band n260
Lowest Channel / 400MHz / BPSK

Lowest Channel / 400MHz / QPSK

Middle Channel / 400MHz / BPSK

Middle Channel / 400MHz / QPSK

Highest Channel / 400MHz / BPSK

Highest Channel / 400MHz / QPSK

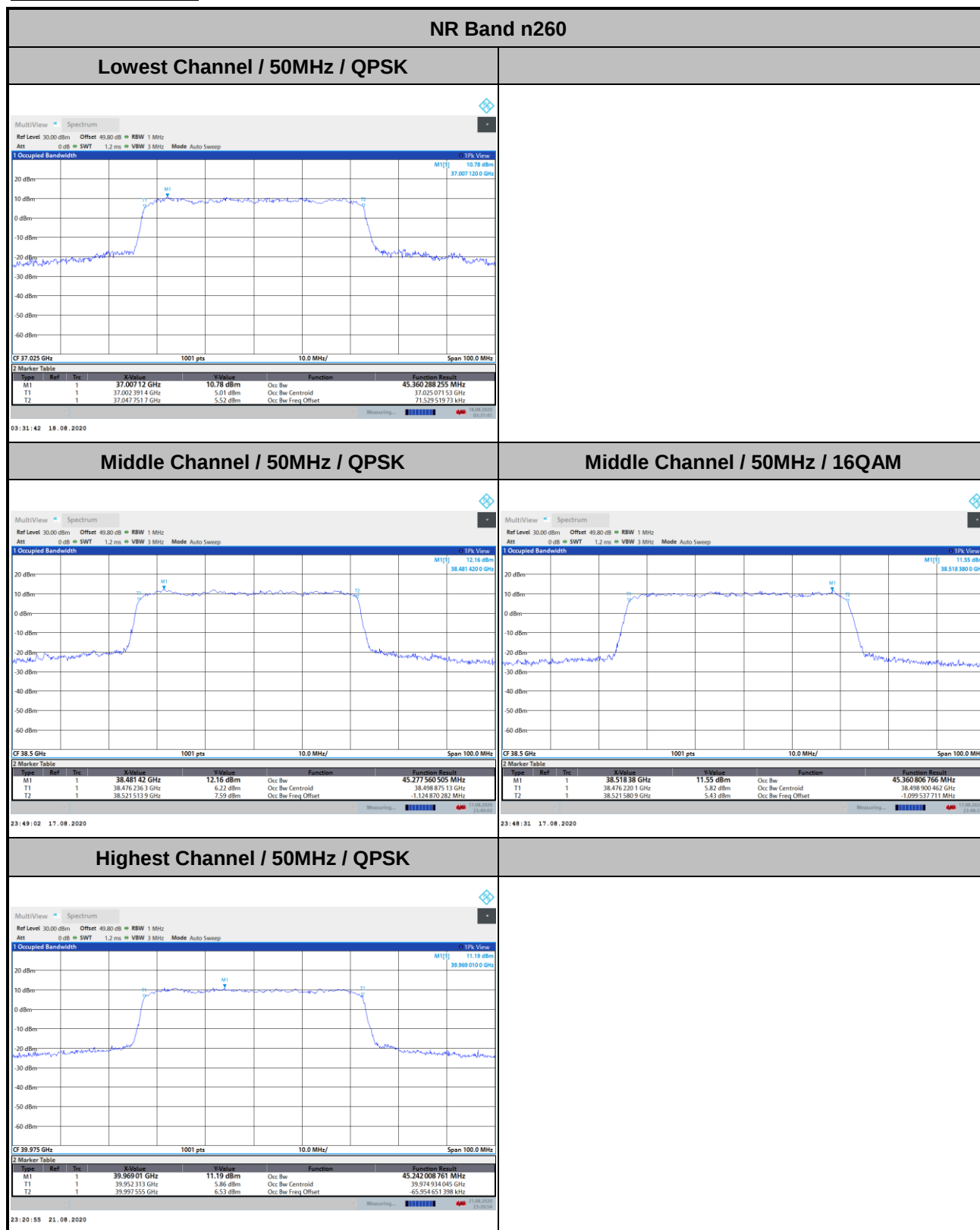



DFT-s-OFDM Module 2



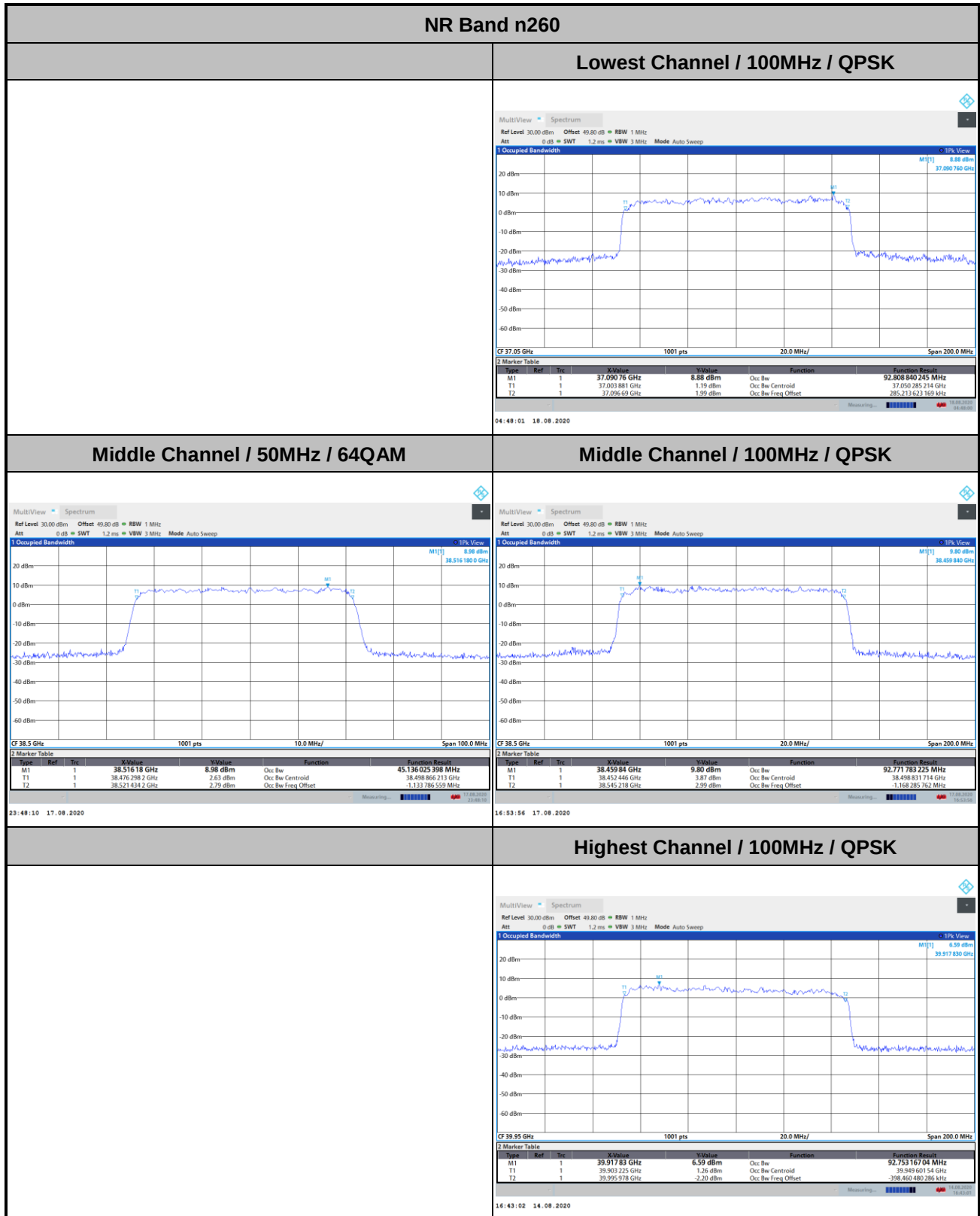


CP-OFDM Module 2



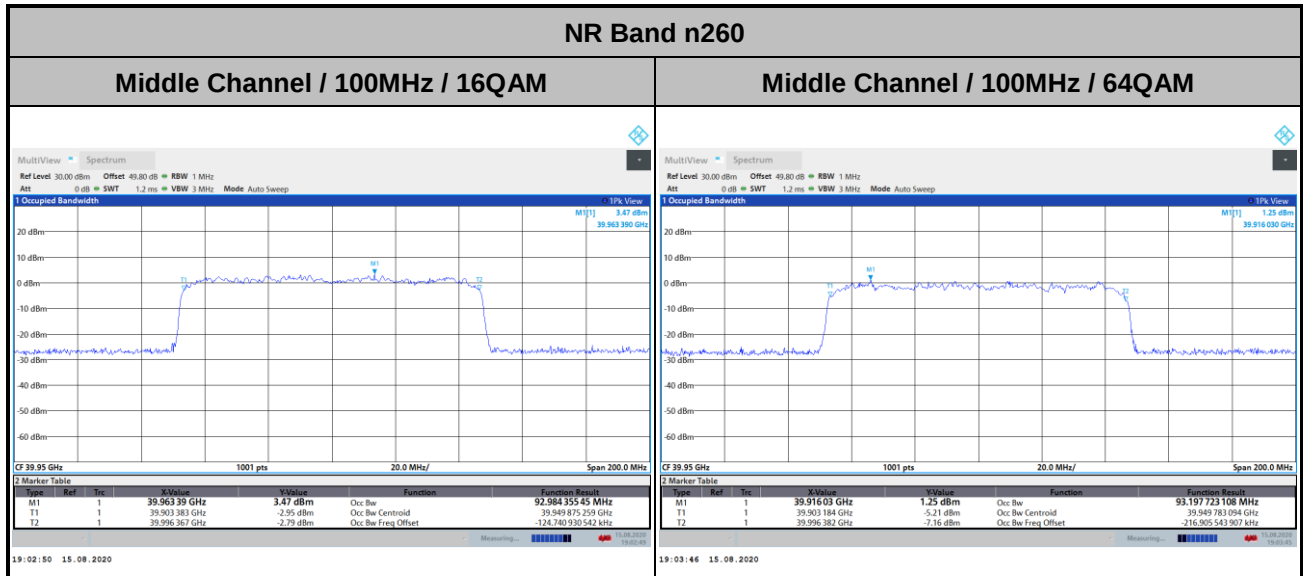


CP-OFDM Module 2





CP-OFDM Module 2



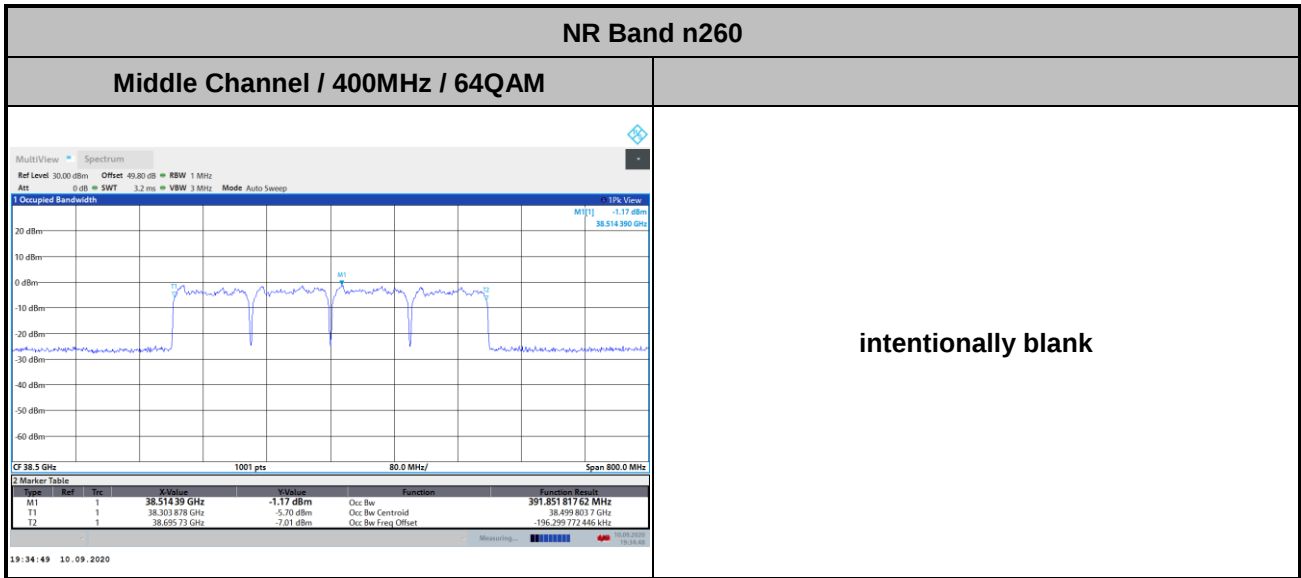


CP-OFDM Module 2





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)			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											

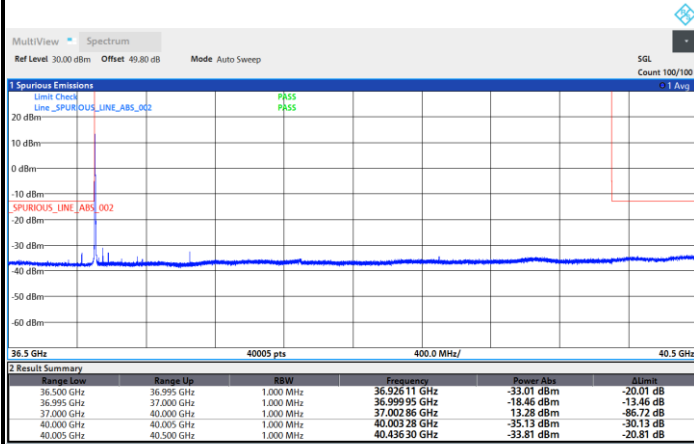
Mode			CP-OFDM Module 2 NR Band n260 : BE (dBm) Full RB								
BW			50MHz			100MHz			400MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-32.13	-	-	-30.46	-	-	-34.52	-	-
	>10%OB	≤-13	-35.16	-	-	-31.65	-	-	-35.15	-	-
High CH	0~10%OB	≤-5	-29.32	-	-	-34.14	-	-	-33.93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



DFT-s-OFDM Module 2

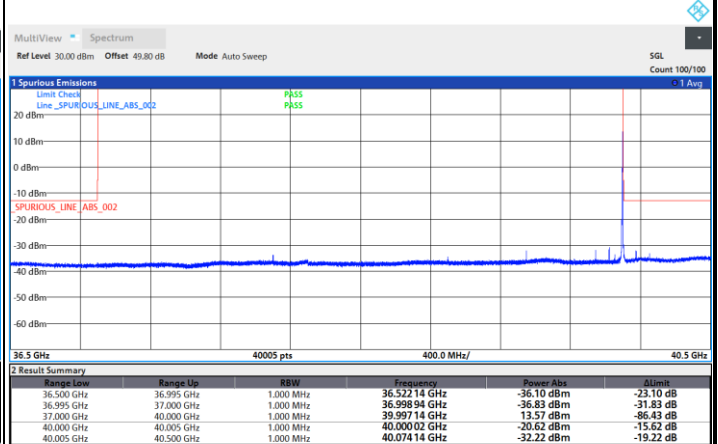
NR Band n260 / 50MHz / BPSK

Lowest Band Edge / 1 RB



03:08:12 18.08.2020

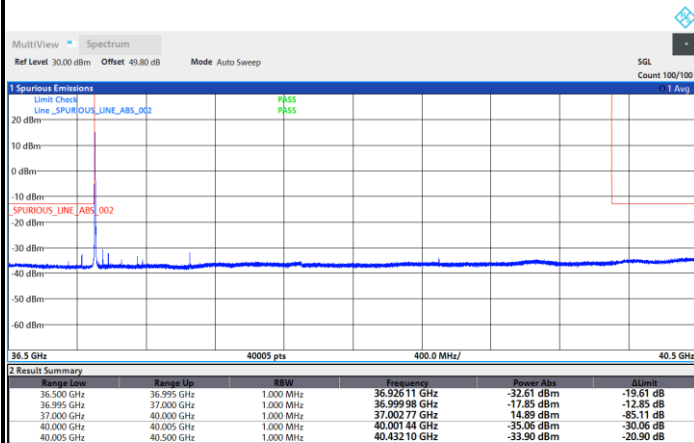
Highest Band Edge / 1 RB



23:13:10 21.08.2020

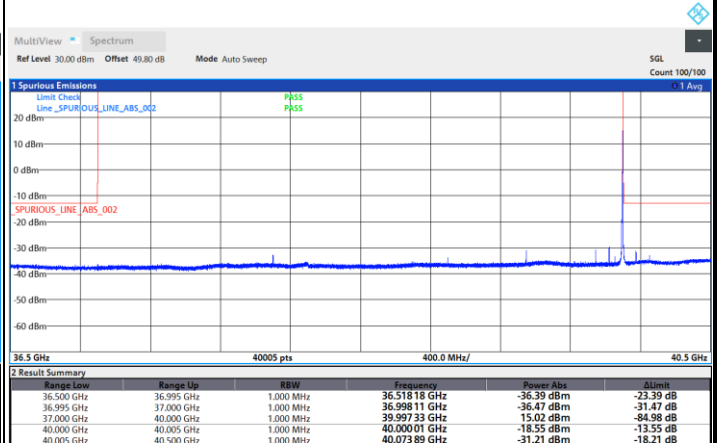
NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB



03:06:46 18.08.2020

Highest Band Edge / 1 RB



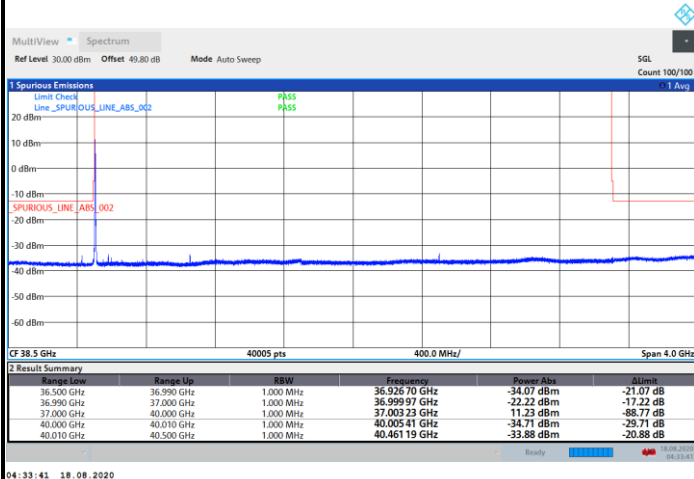
23:14:20 21.08.2020



DFT-s-OFDM Module 2

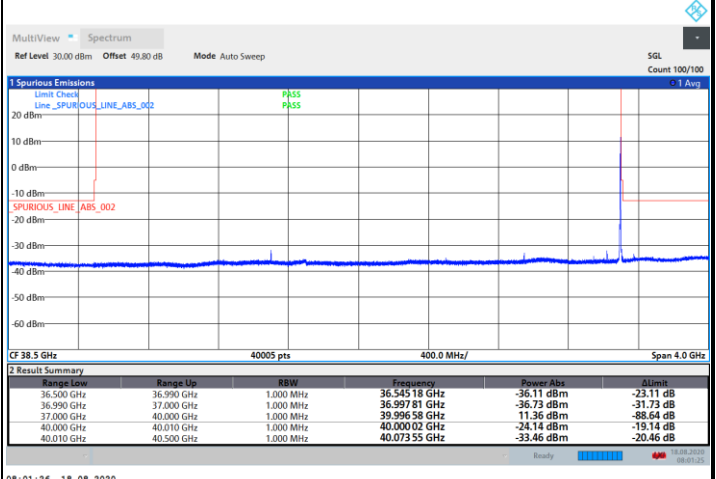
NR Band n260 / 100MHz / BPSK

Lowest Band Edge / 1 RB



04:33:41 18.08.2020

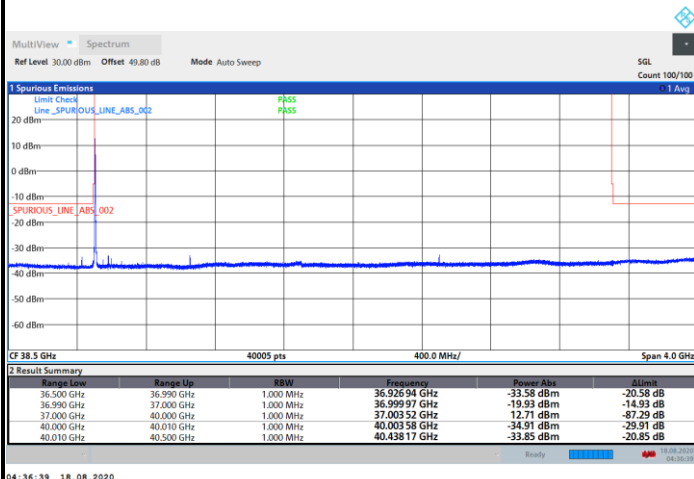
Highest Band Edge / 1 RB



08:01:26 18.08.2020

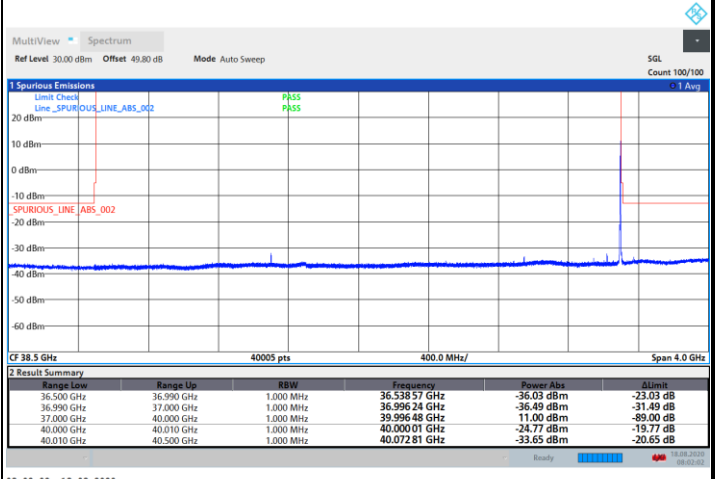
NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB



04:36:39 18.08.2020

Highest Band Edge / 1 RB



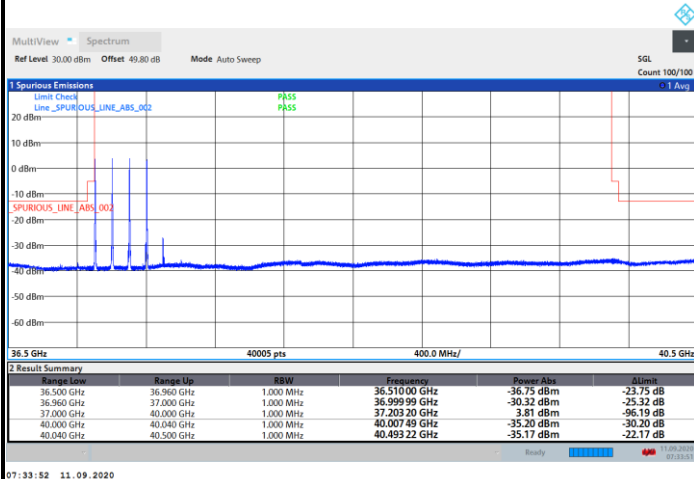
08:02:02 18.08.2020



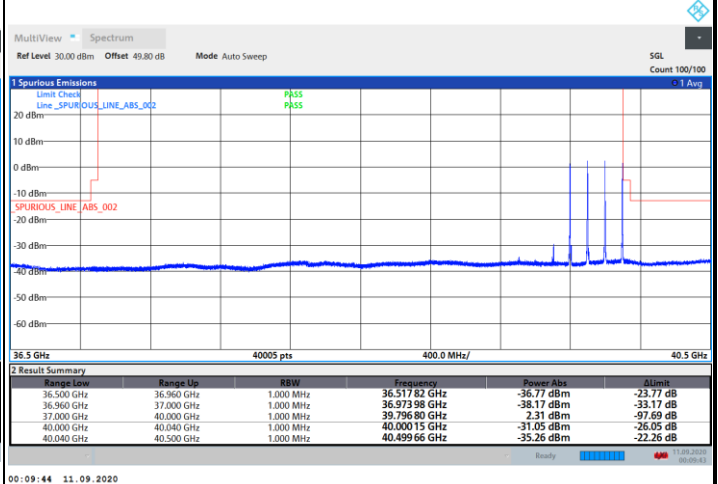
DFT-s-OFDM Module 2

NR Band n260 / 400MHz / BPSK

Lowest Band Edge / 1 RB

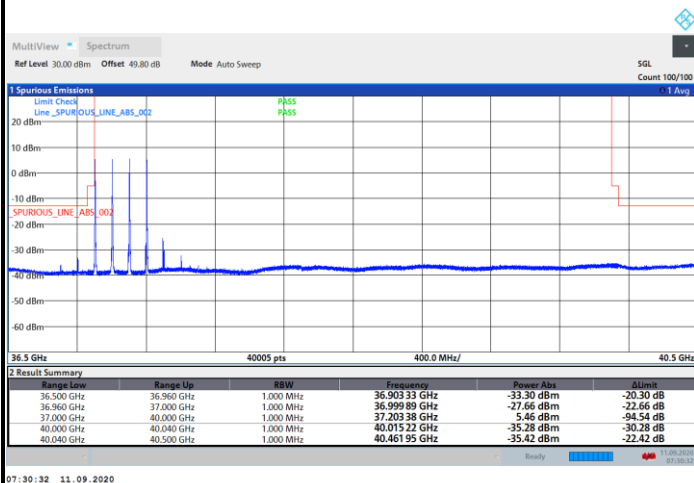


Highest Band Edge / 1 RB

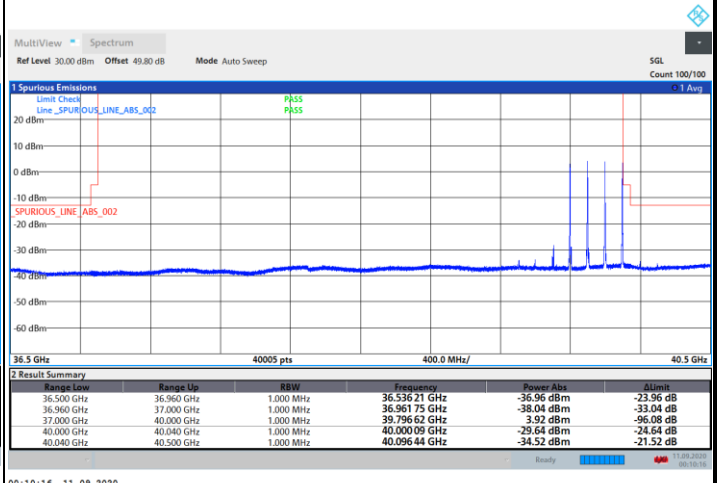


NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



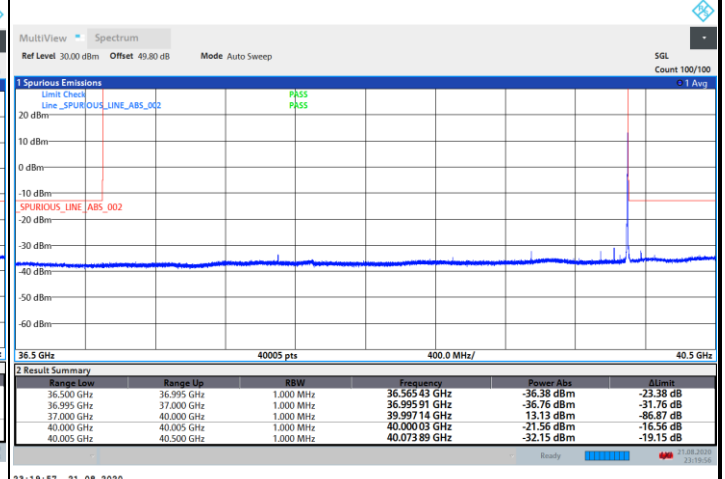
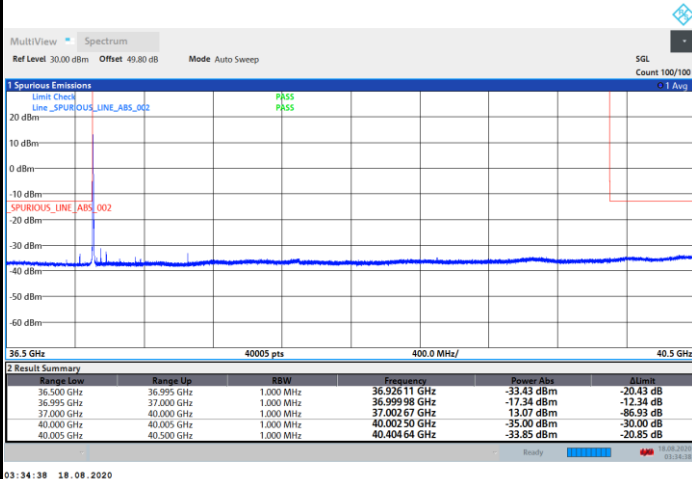


CP-OFDM Module 2

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



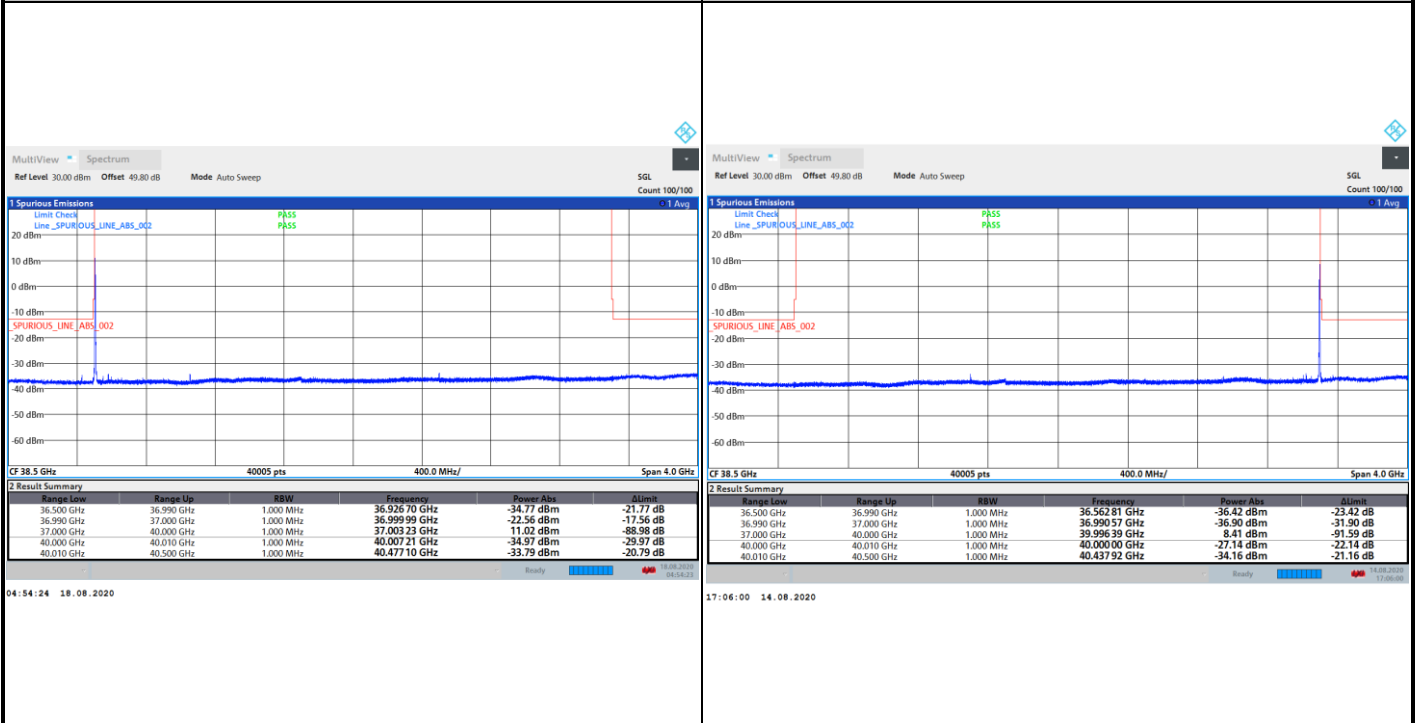


CP-OFDM Module 2

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

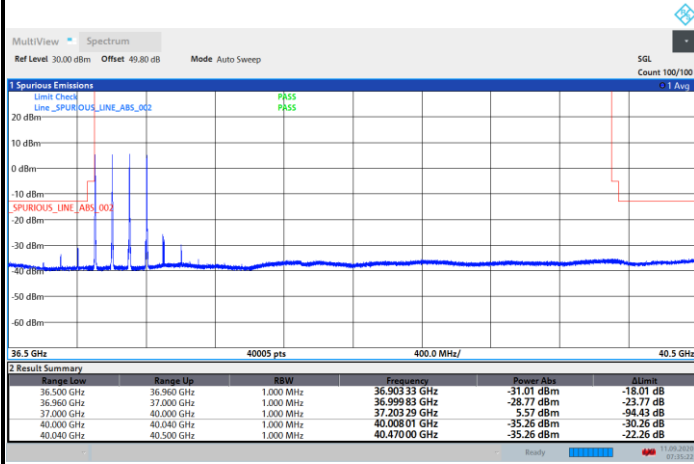




CP-OFDM Module 2

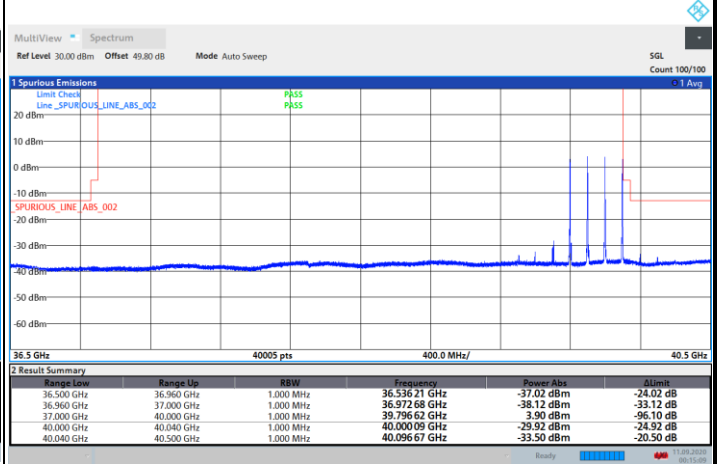
NR Band n260 / 400MHz / QPSK

Lowest Band Edge / 1 RB



07:35:22 11.09.2020

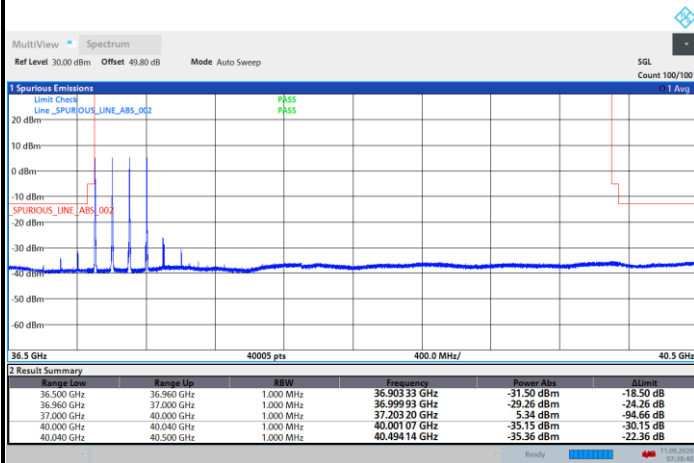
Highest Band Edge / 1 RB



00:15:09 11.09.2020

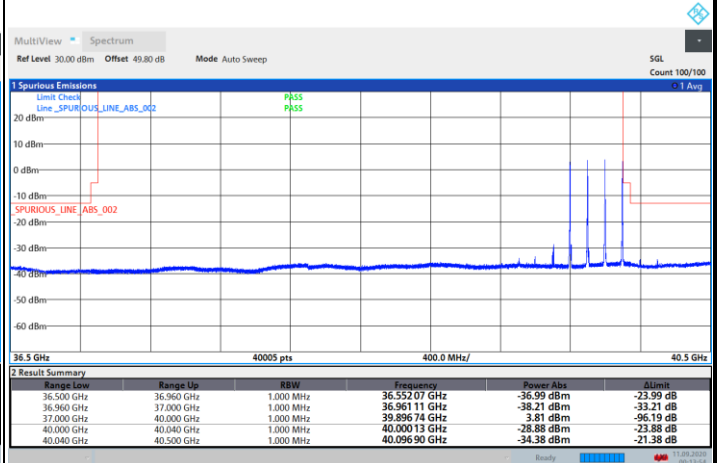
NR Band n260 / 400MHz / 16QAM

Lowest Band Edge / 1 RB



07:38:40 11.09.2020

Highest Band Edge / 1 RB



00:13:55 11.09.2020