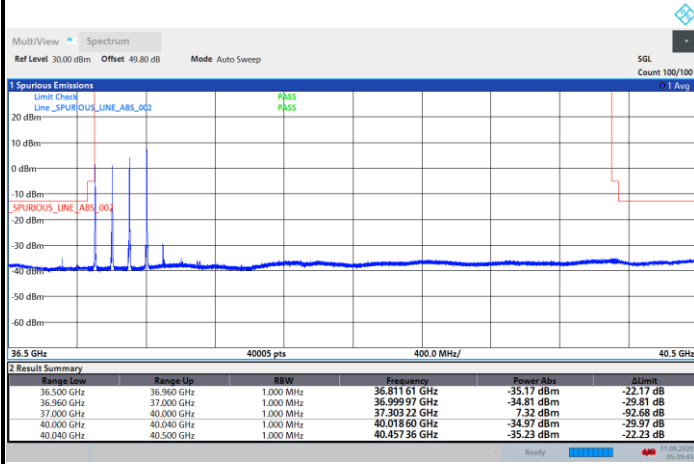




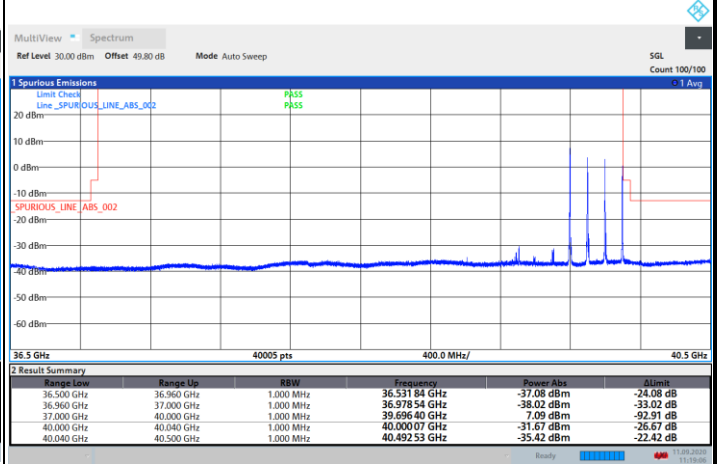
DFT-s-OFDM Module 2

NR Band n260 / 400MHz / BPSK

Lowest Band Edge / 1 RB

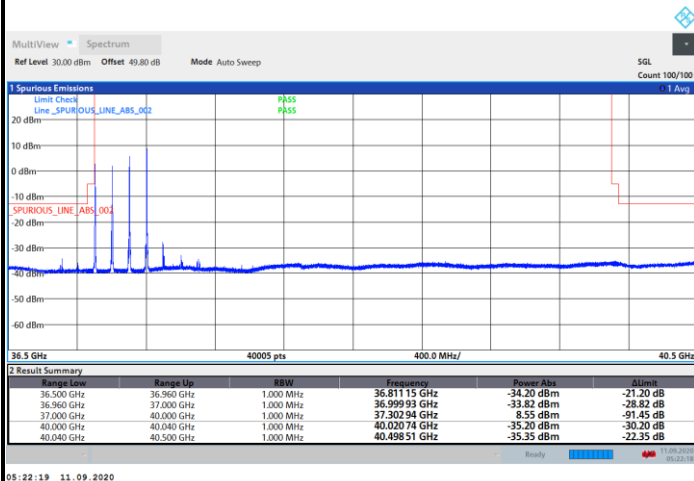


Highest Band Edge / 1 RB

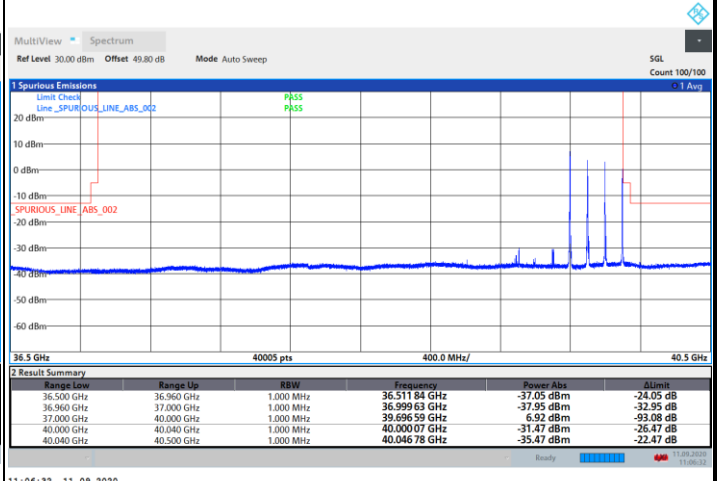


NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB



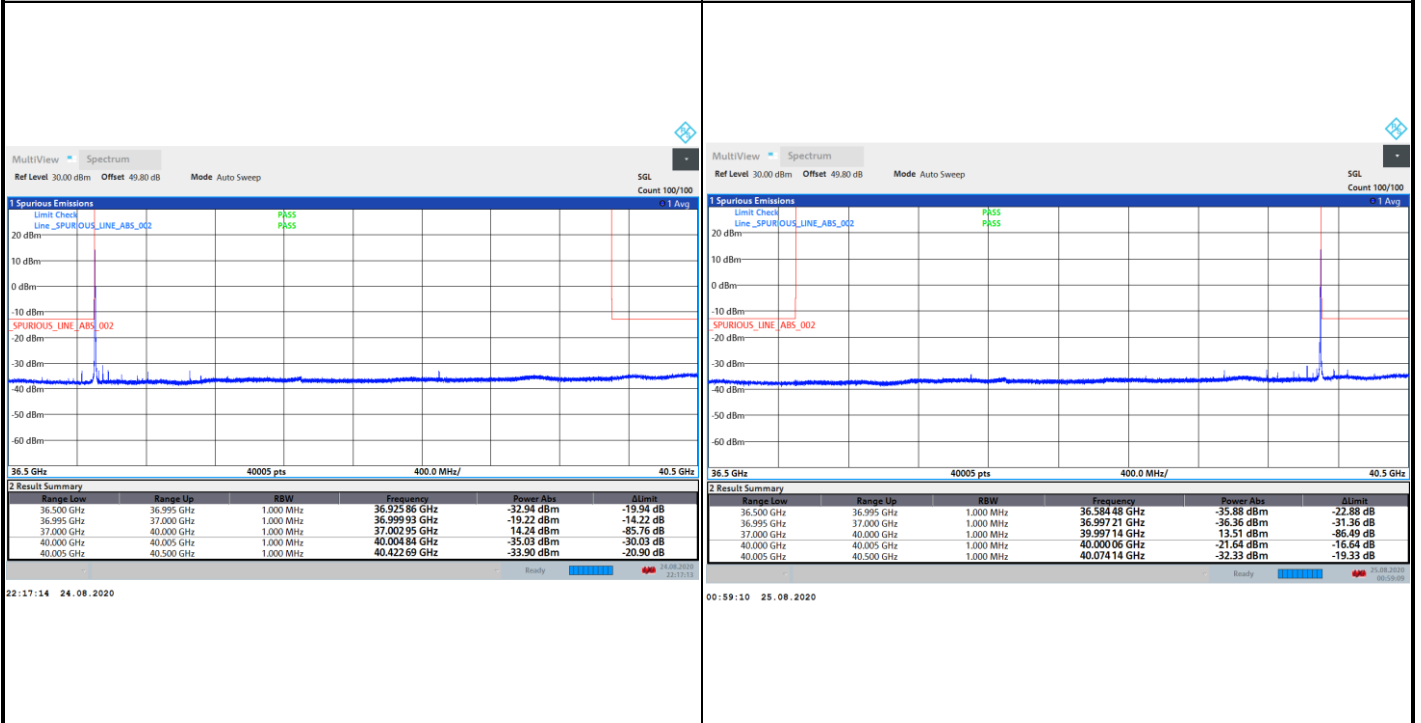


CP-OFDM Module 2

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



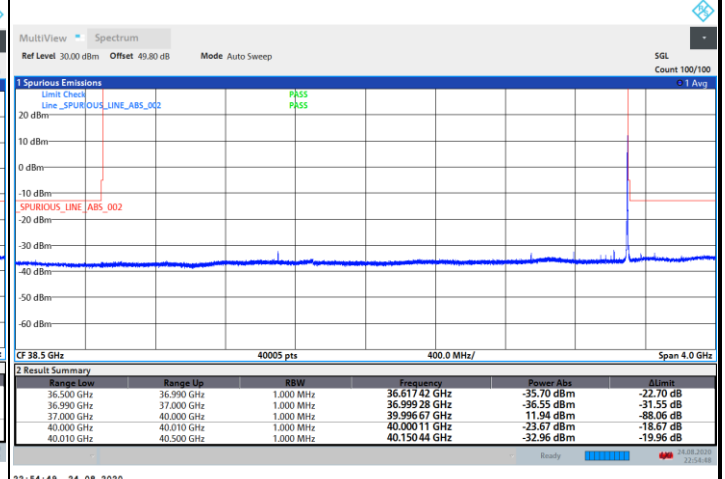
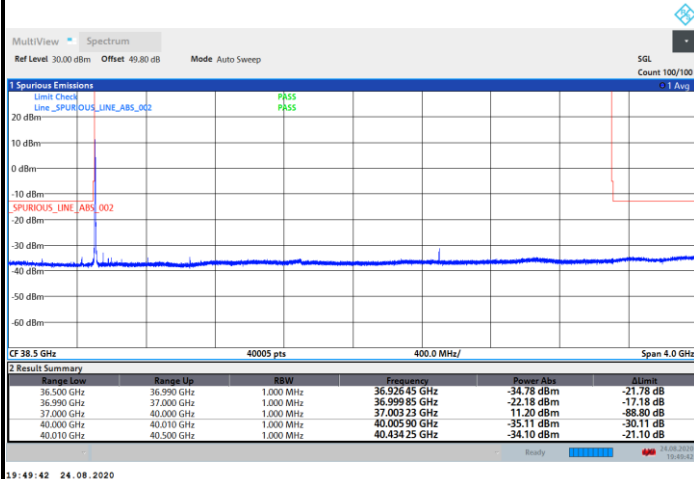


CP-OFDM Module 2

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

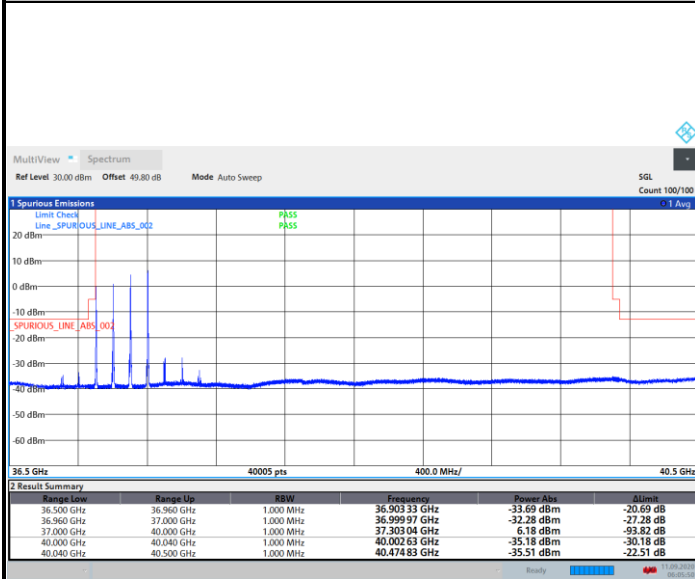




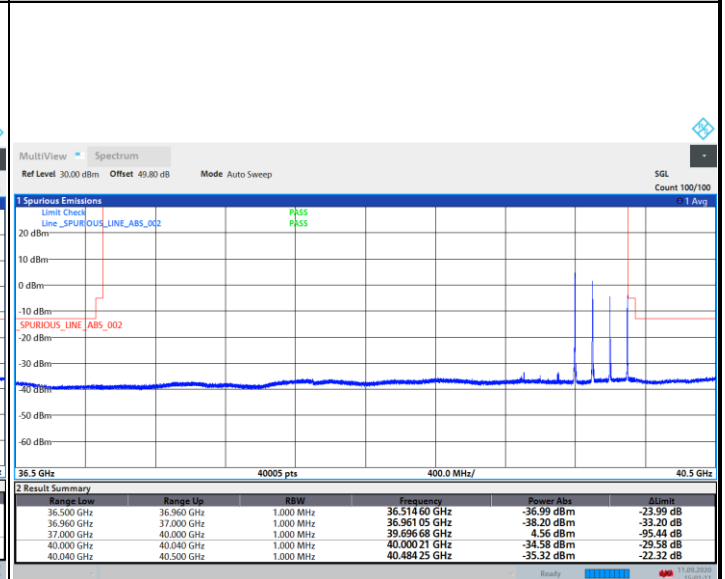
CP-OFDM Module 2

NR Band n260 / 400MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

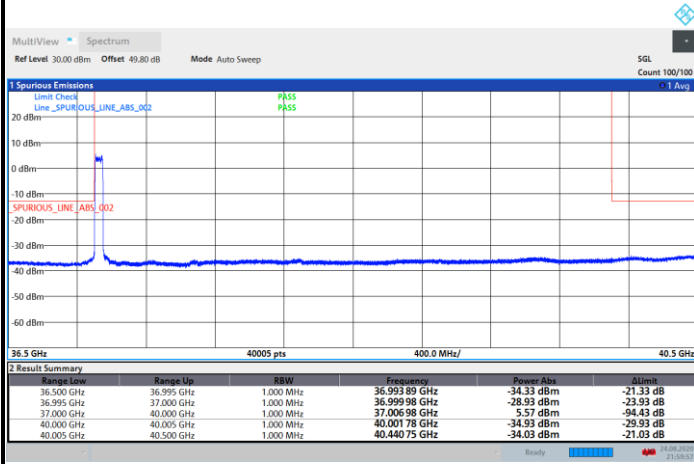




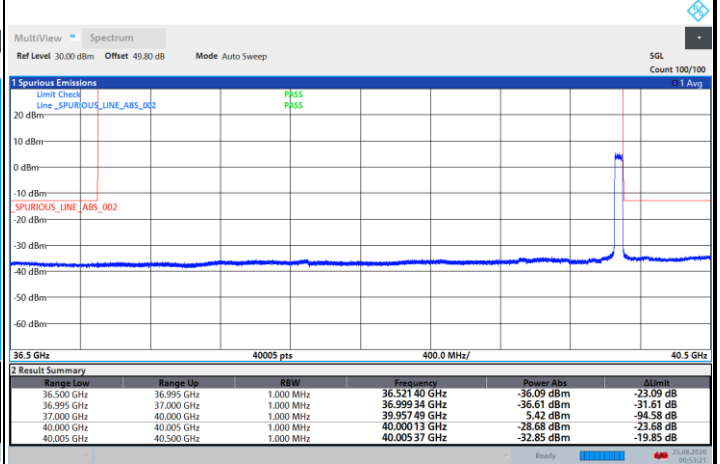
DFT-s-OFDM Module 2

NR Band n260 / 50MHz / BPSK

Lowest Band Edge / Full RB

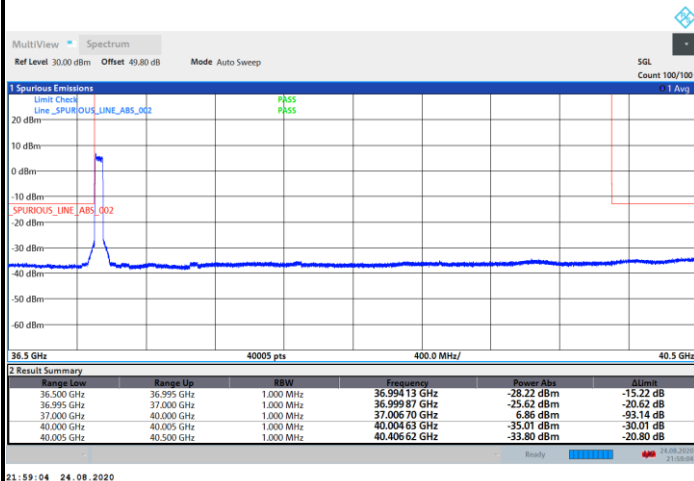


Highest Band Edge / Full RB

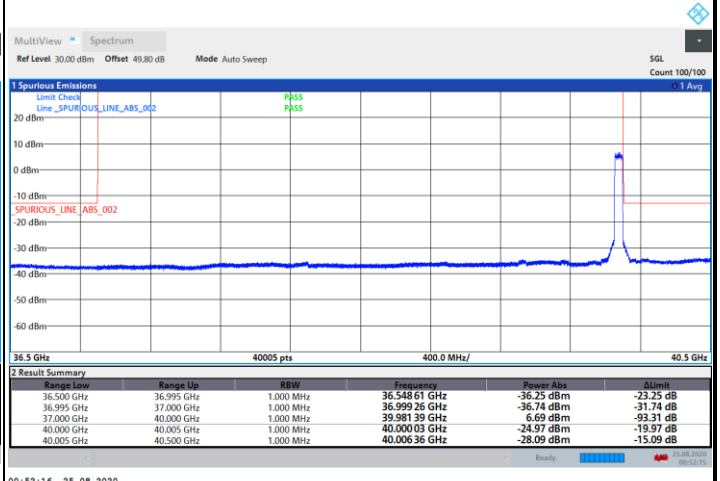


NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

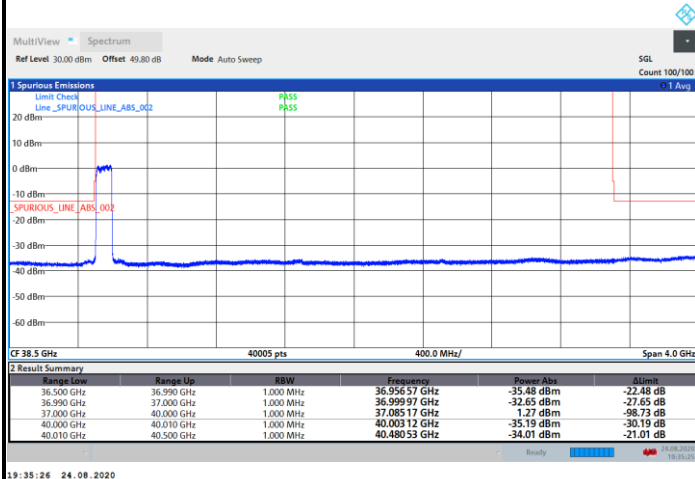




DFT-s-OFDM Module 2

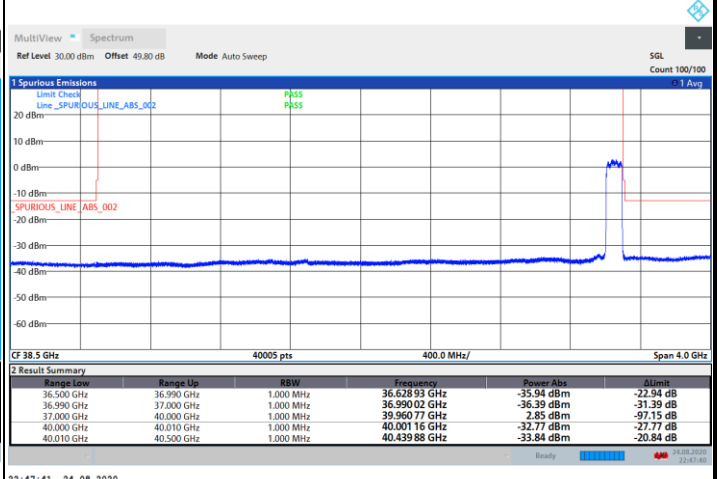
NR Band n260 / 100MHz / BPSK

Lowest Band Edge / Full RB



19:35:26 24.08.2020

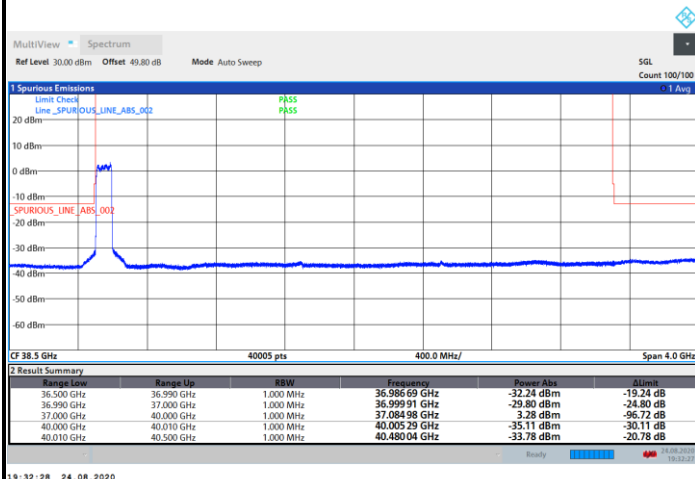
Highest Band Edge / Full RB



22:47:41 24.08.2020

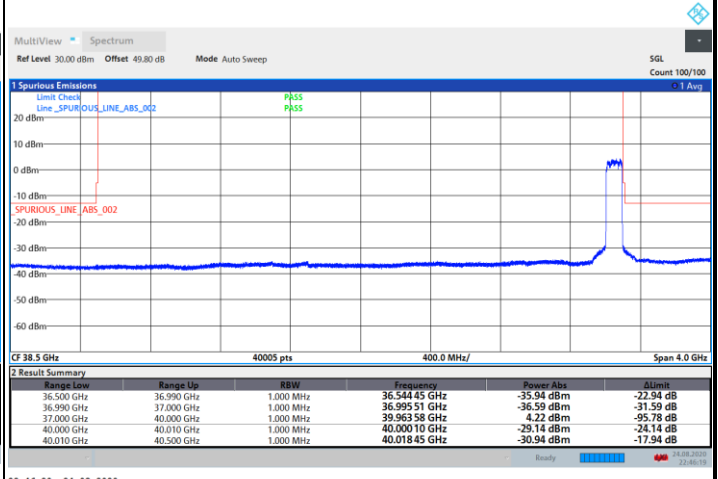
NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



19:32:28 24.08.2020

Highest Band Edge / Full RB



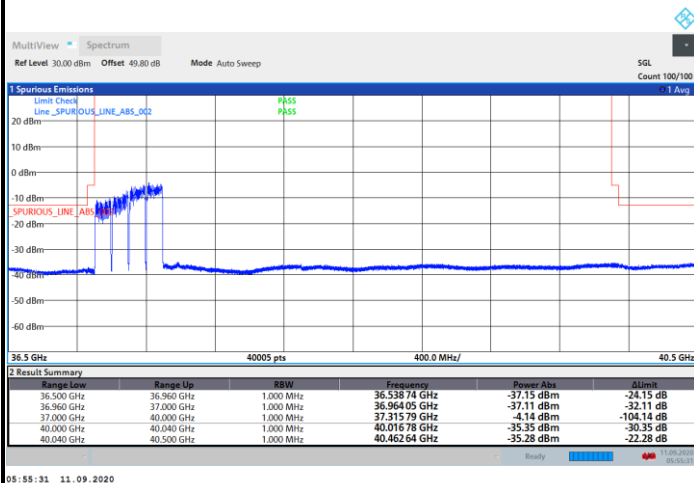
22:46:20 24.08.2020



DFT-s-OFDM Module 2

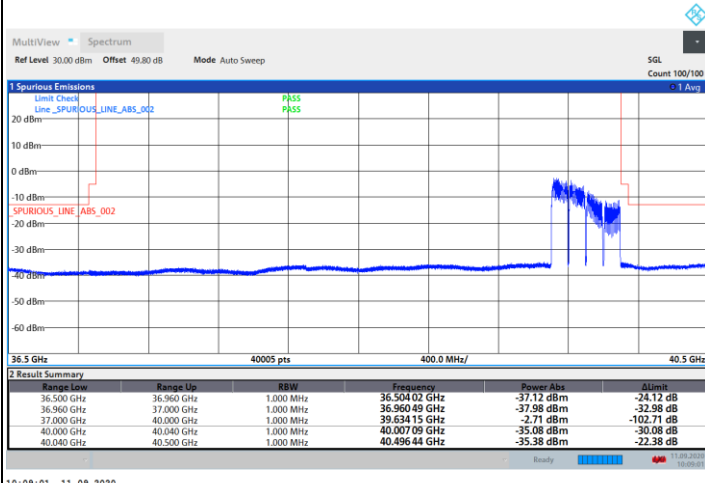
NR Band n260 / 400MHz / BPSK

Lowest Band Edge / Full RB



05:55:31 11.09.2020

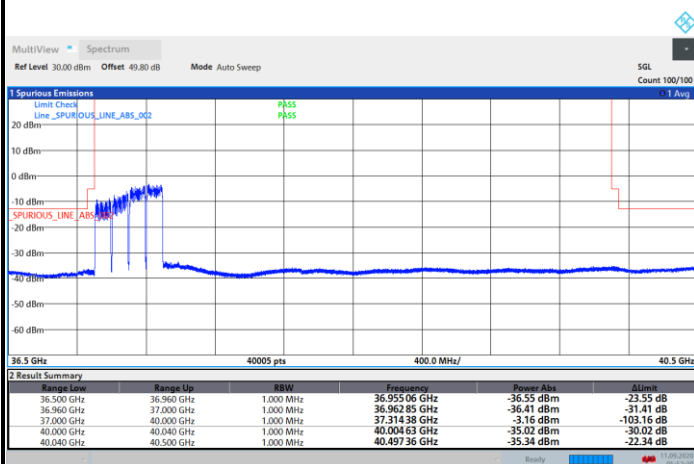
Highest Band Edge / Full RB



10:09:01 11.09.2020

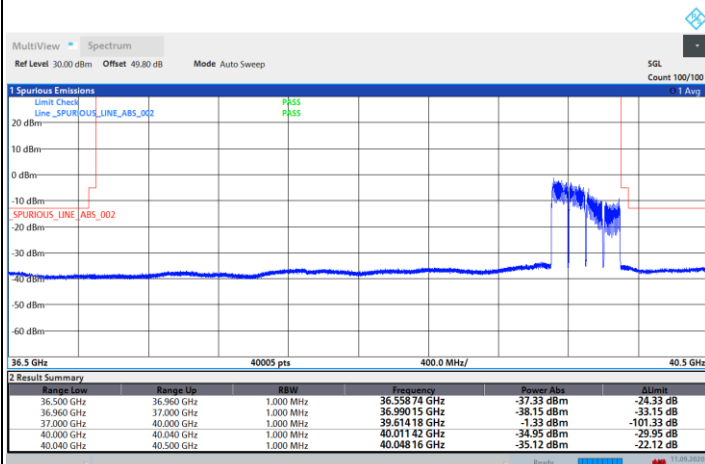
NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



05:52:31 11.09.2020

Highest Band Edge / Full RB



10:14:49 11.09.2020

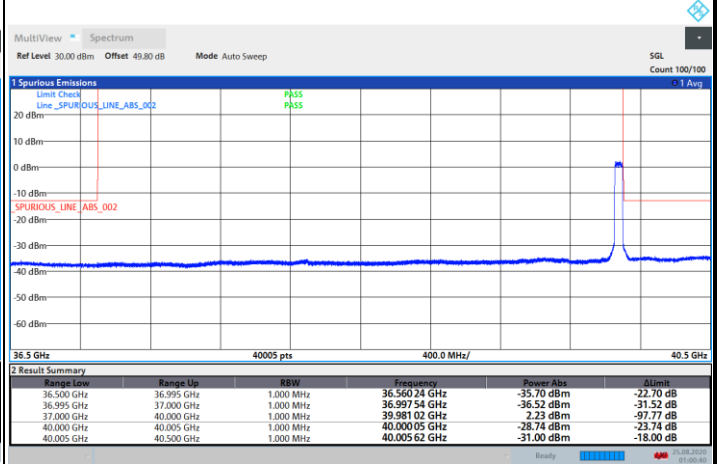
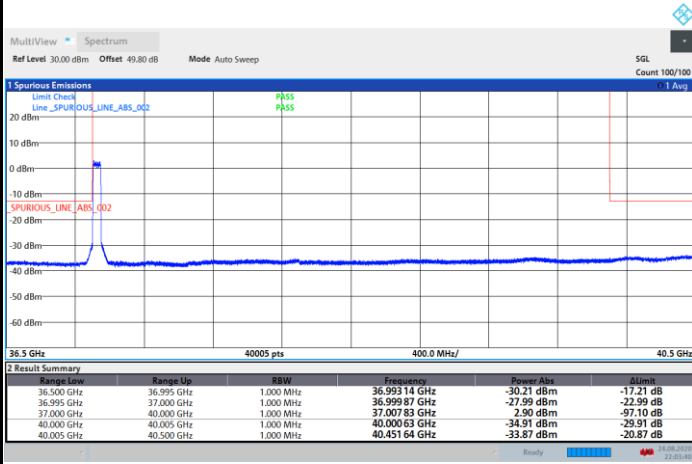


CP-OFDM Module 2

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



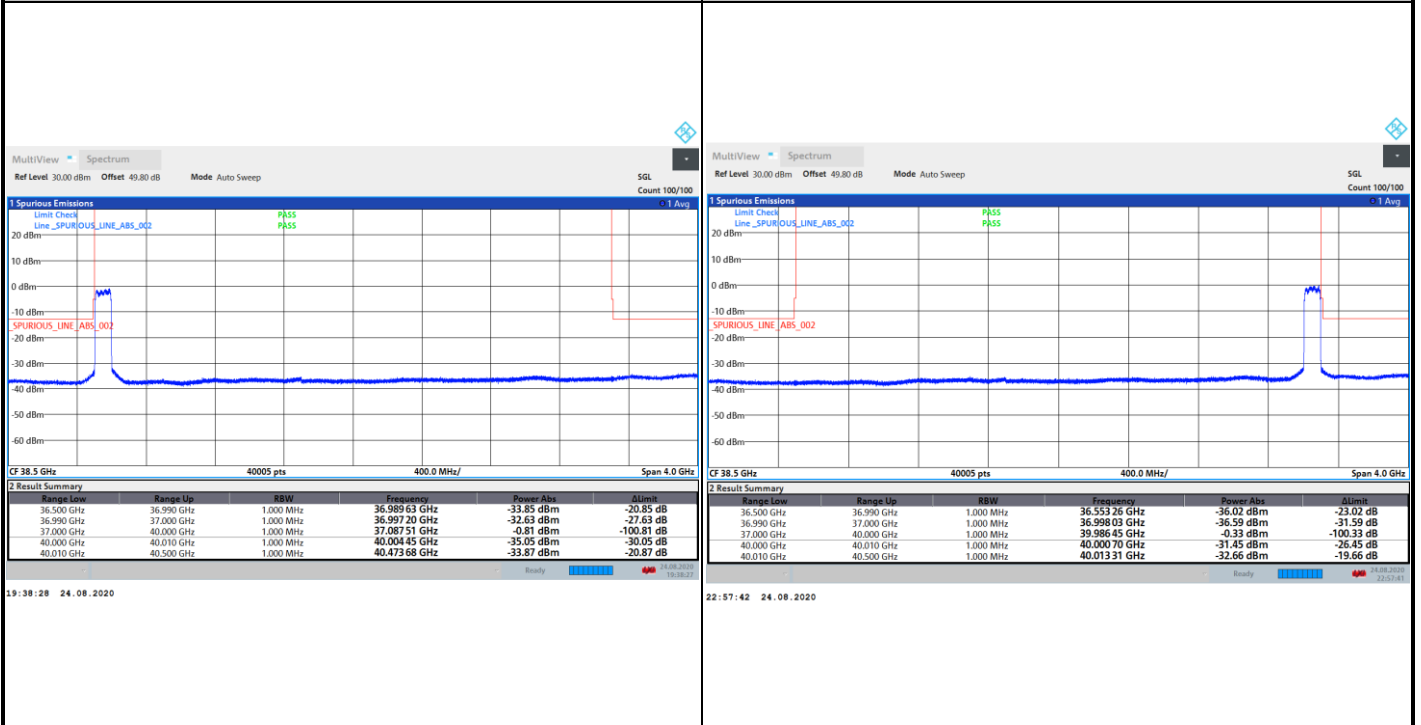


CP-OFDM Module 2

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



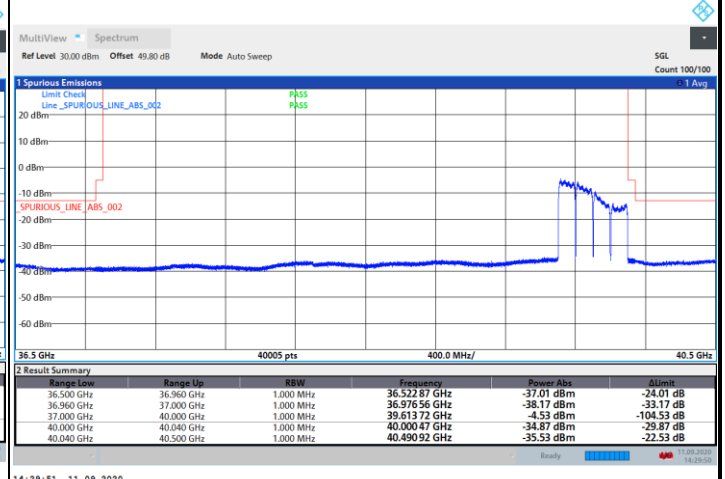
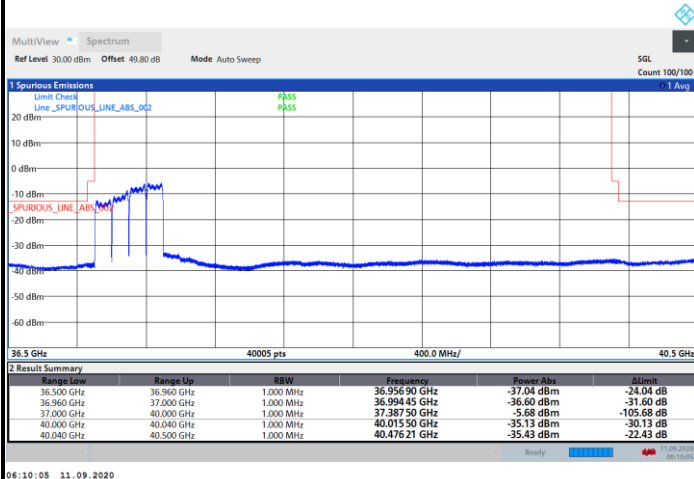


CP-OFDM Module 2

NR Band n260 / 400MHz / QPSK

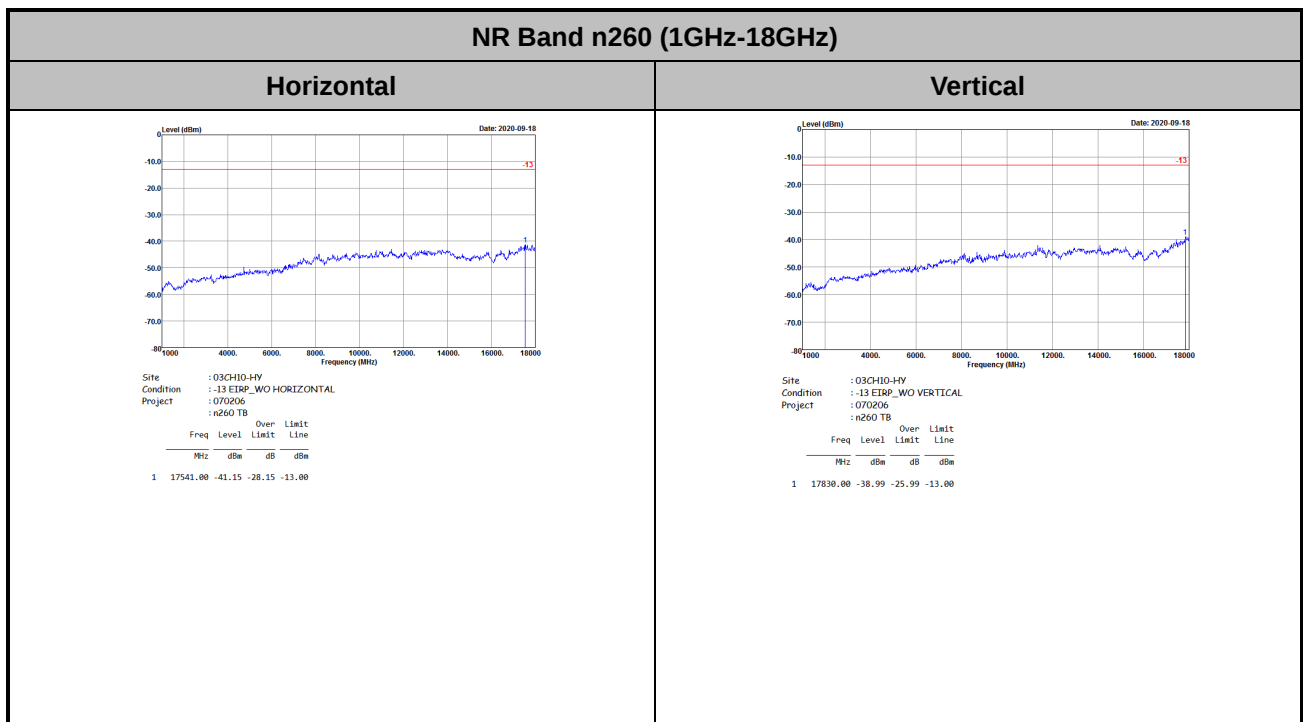
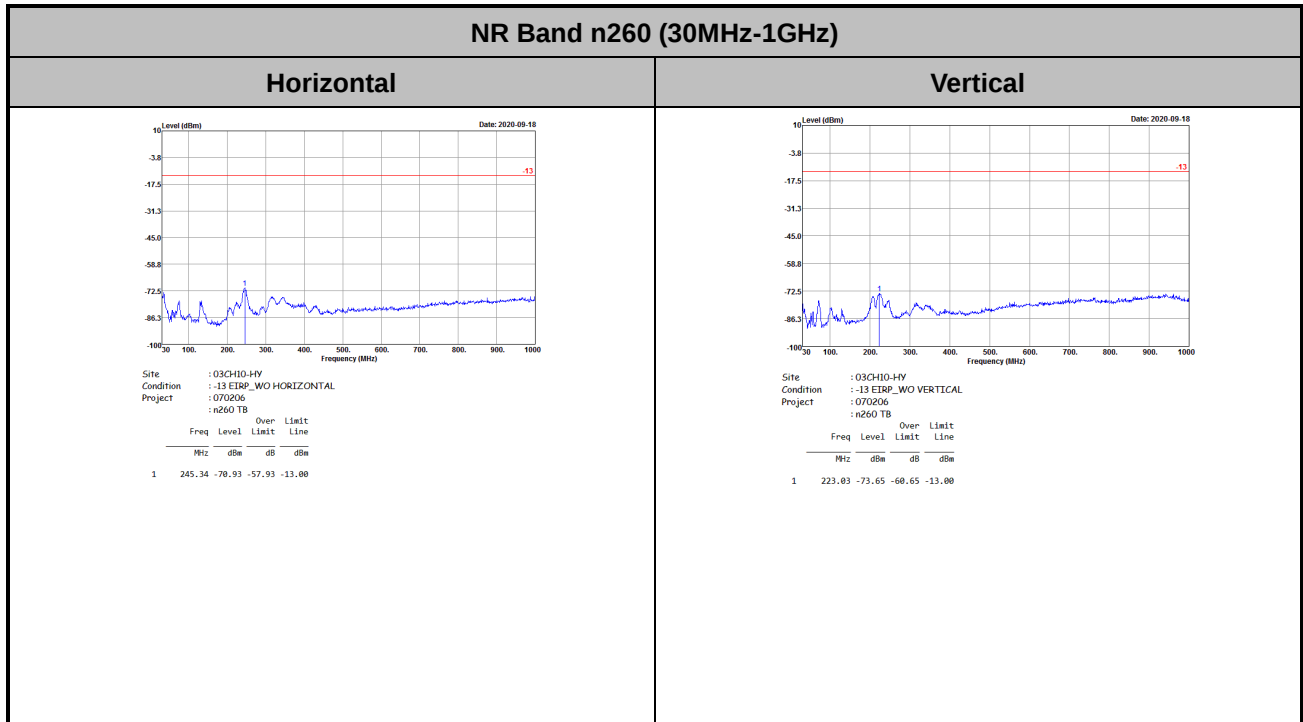
Lowest Band Edge / Full RB

Highest Band Edge / Full RB



Spurious Emission

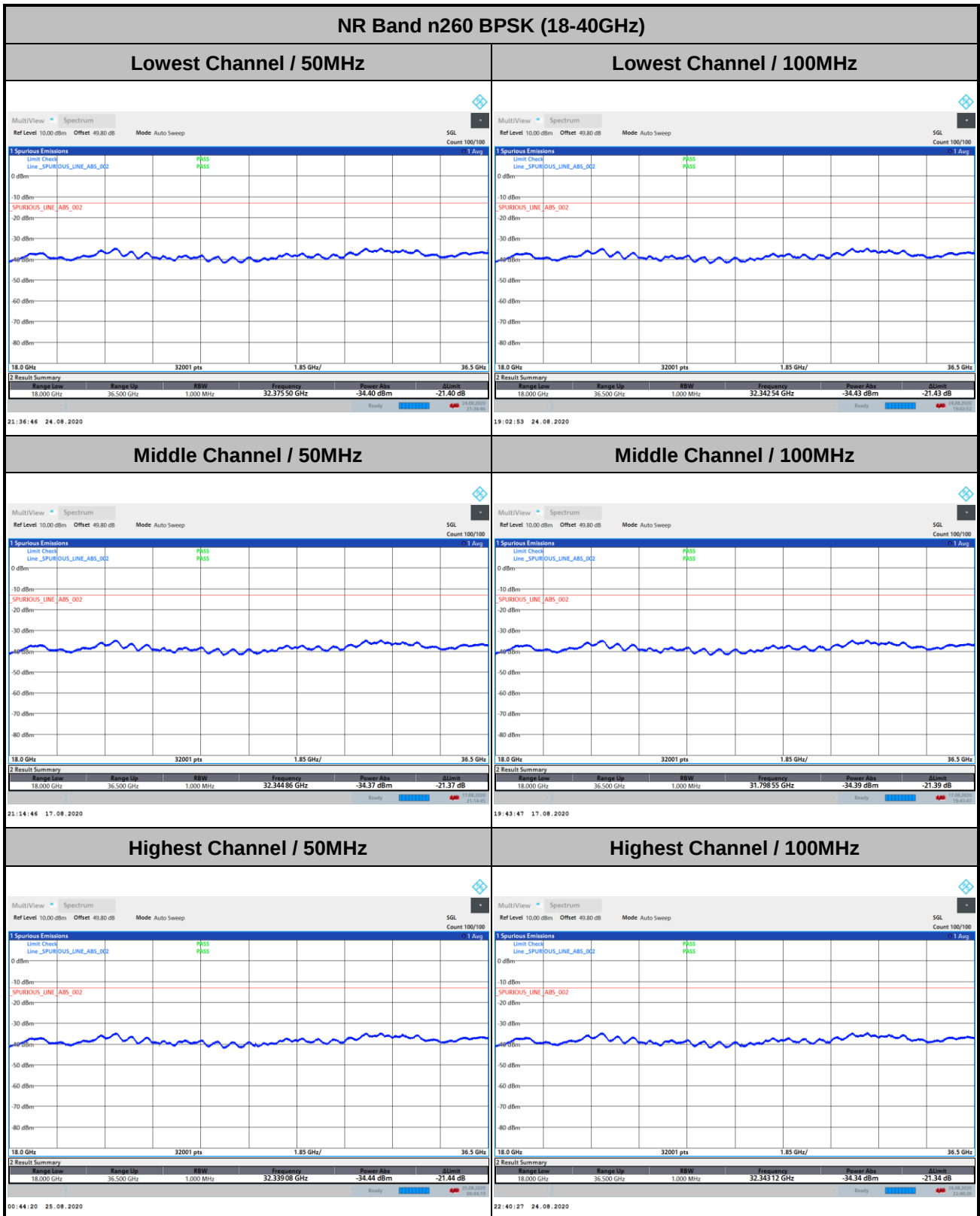
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz.
Only the noise floor is reported.





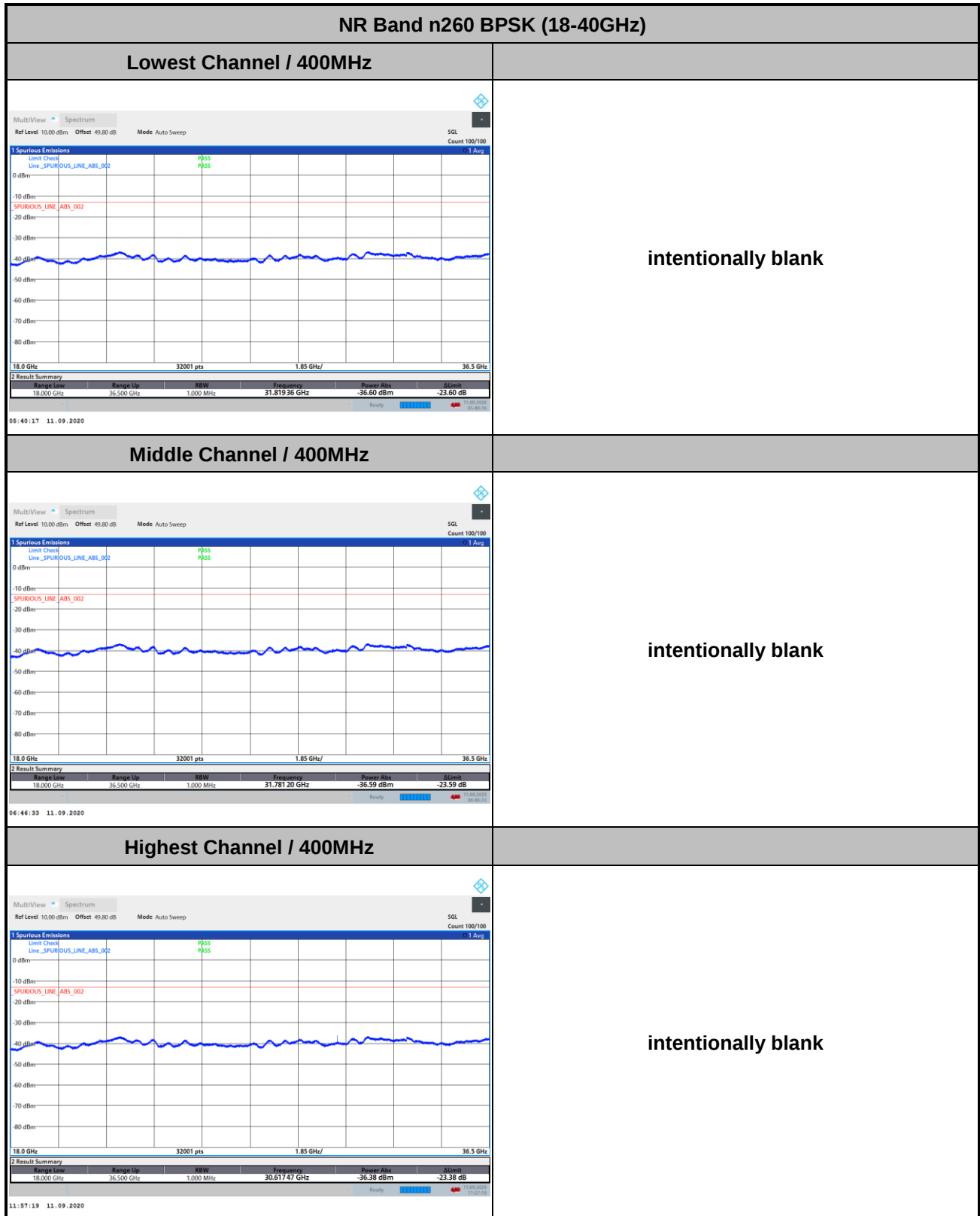
Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

DFT-s-OFDM Module 2



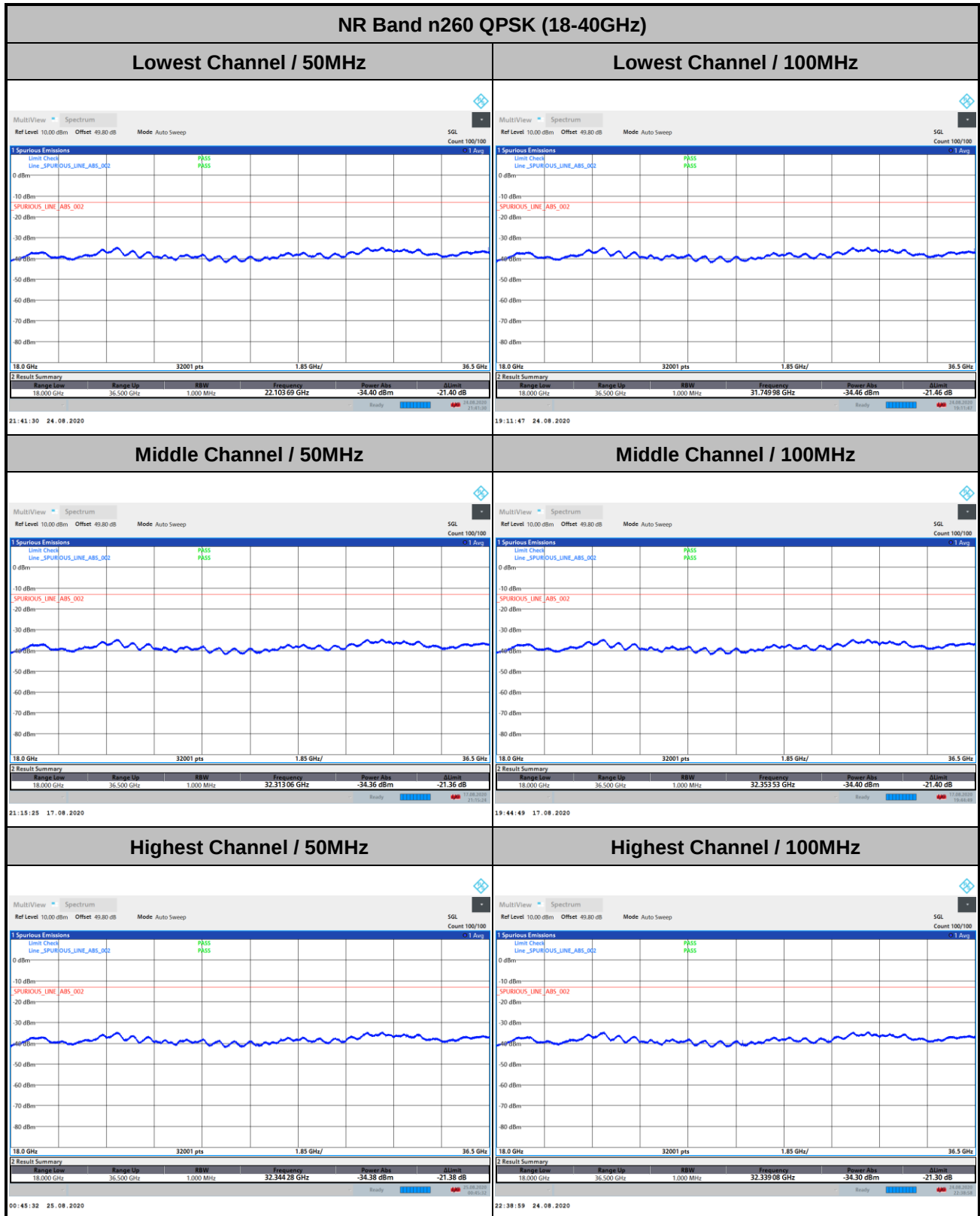


DFT-s-OFDM Module 2



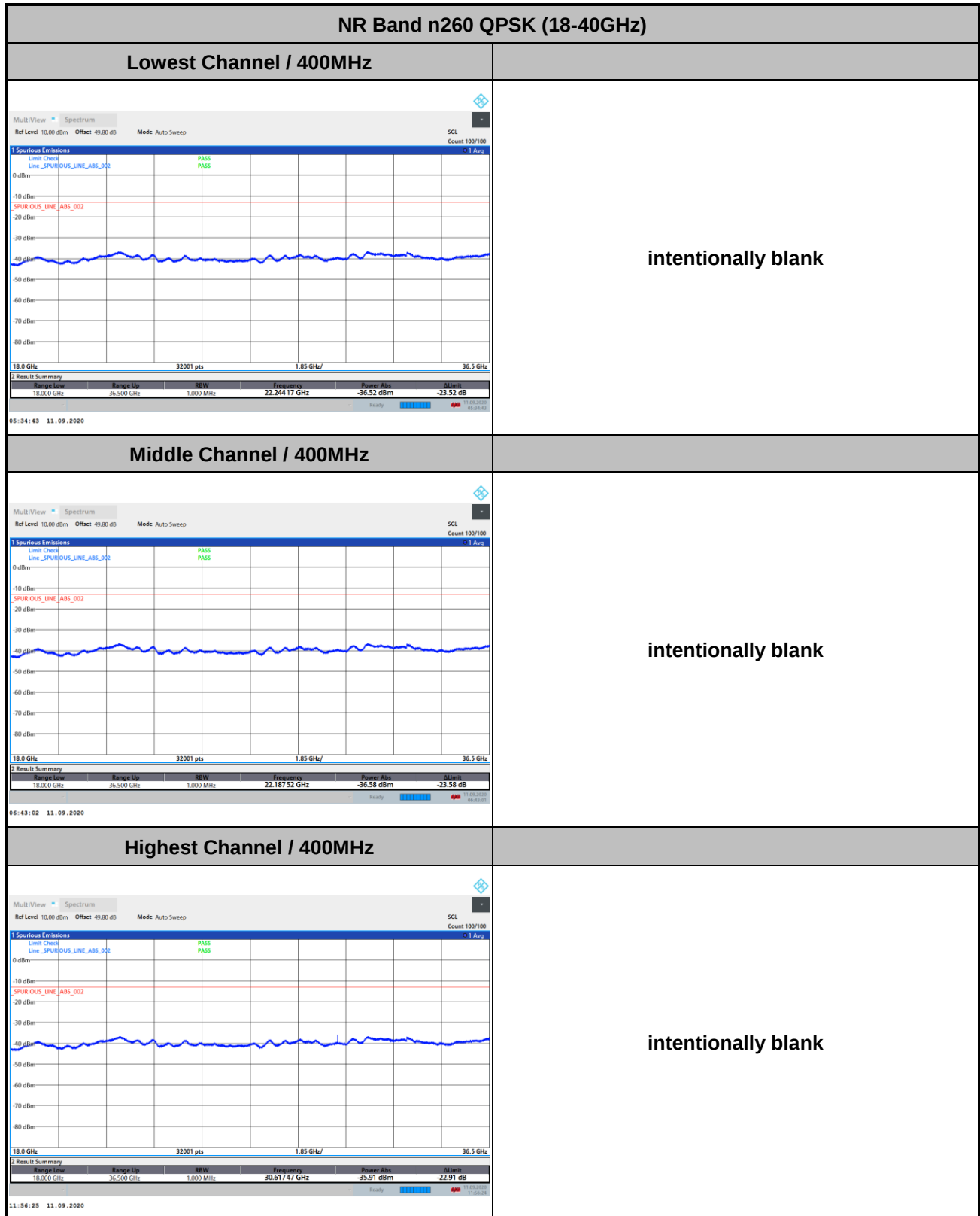


DFT-s-OFDM Module 2



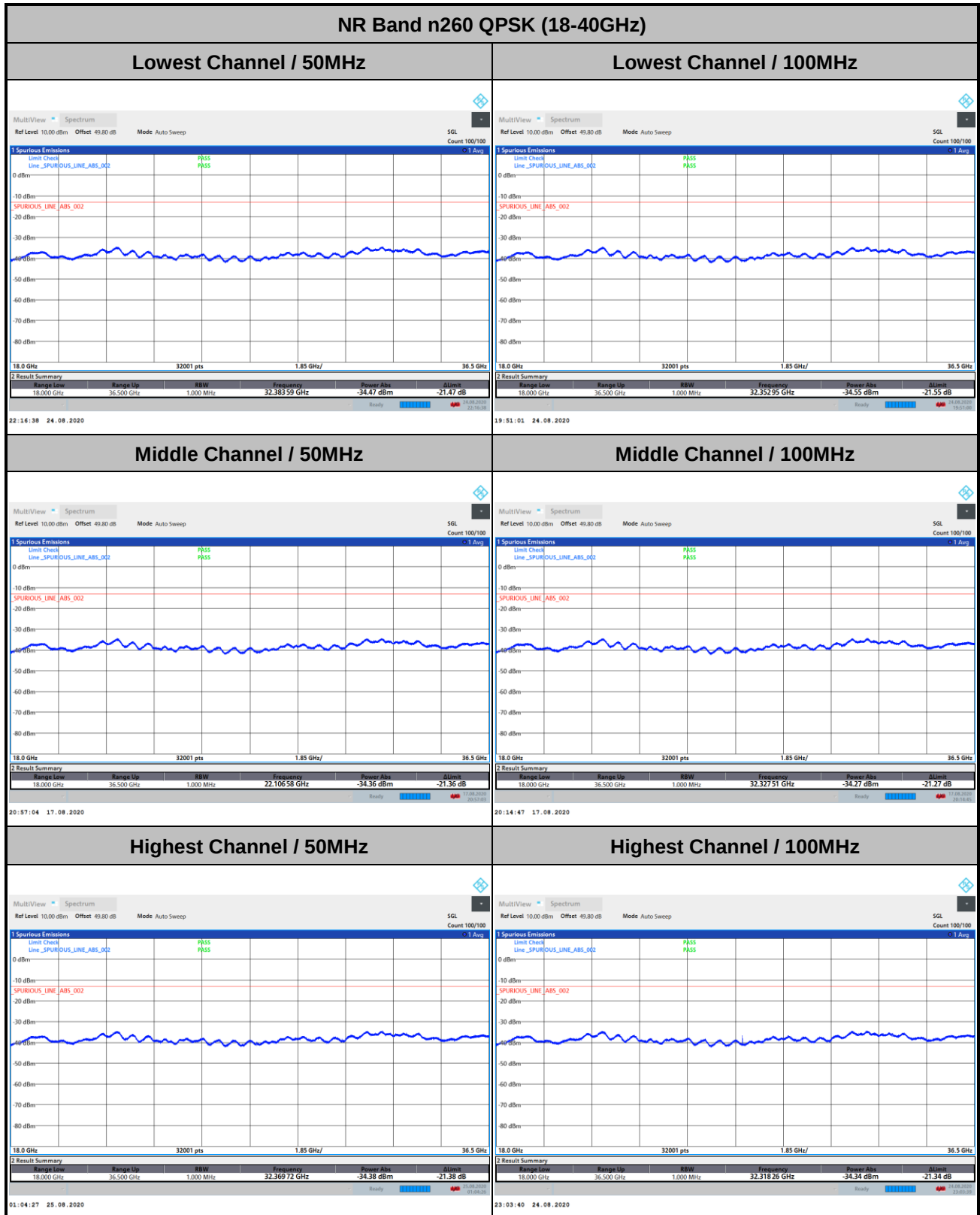


DFT-s-OFDM Module 2



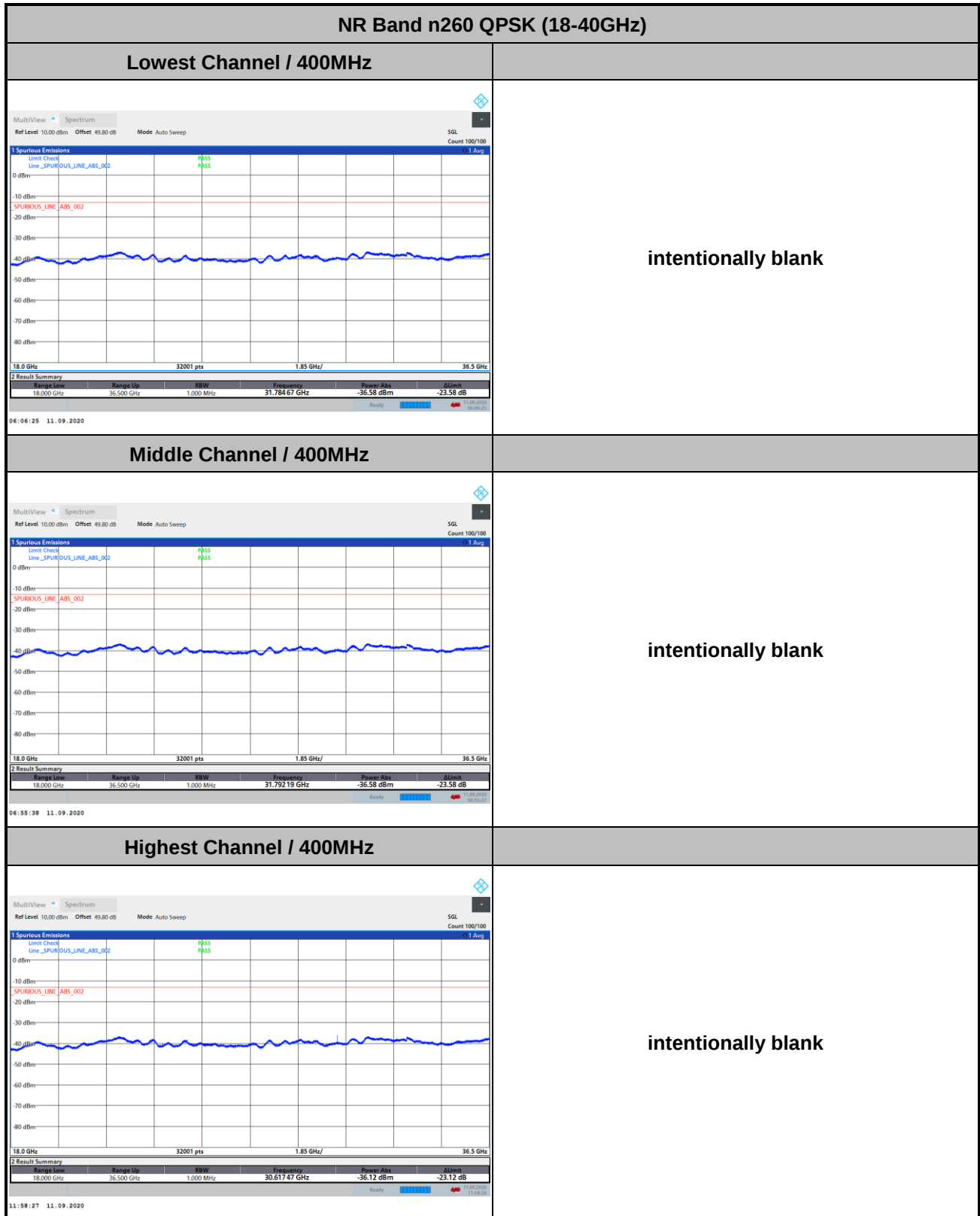


CP-OFDM Module 2



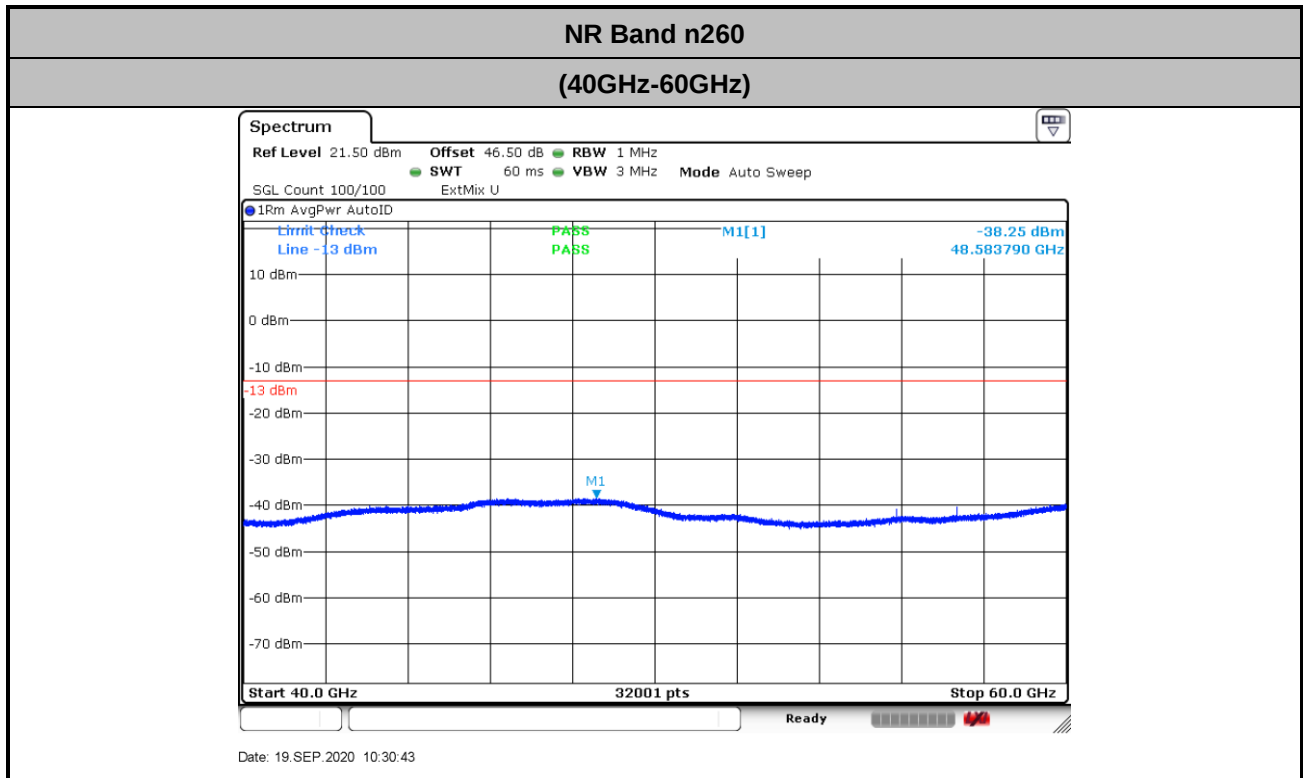


CP-OFDM Module 2

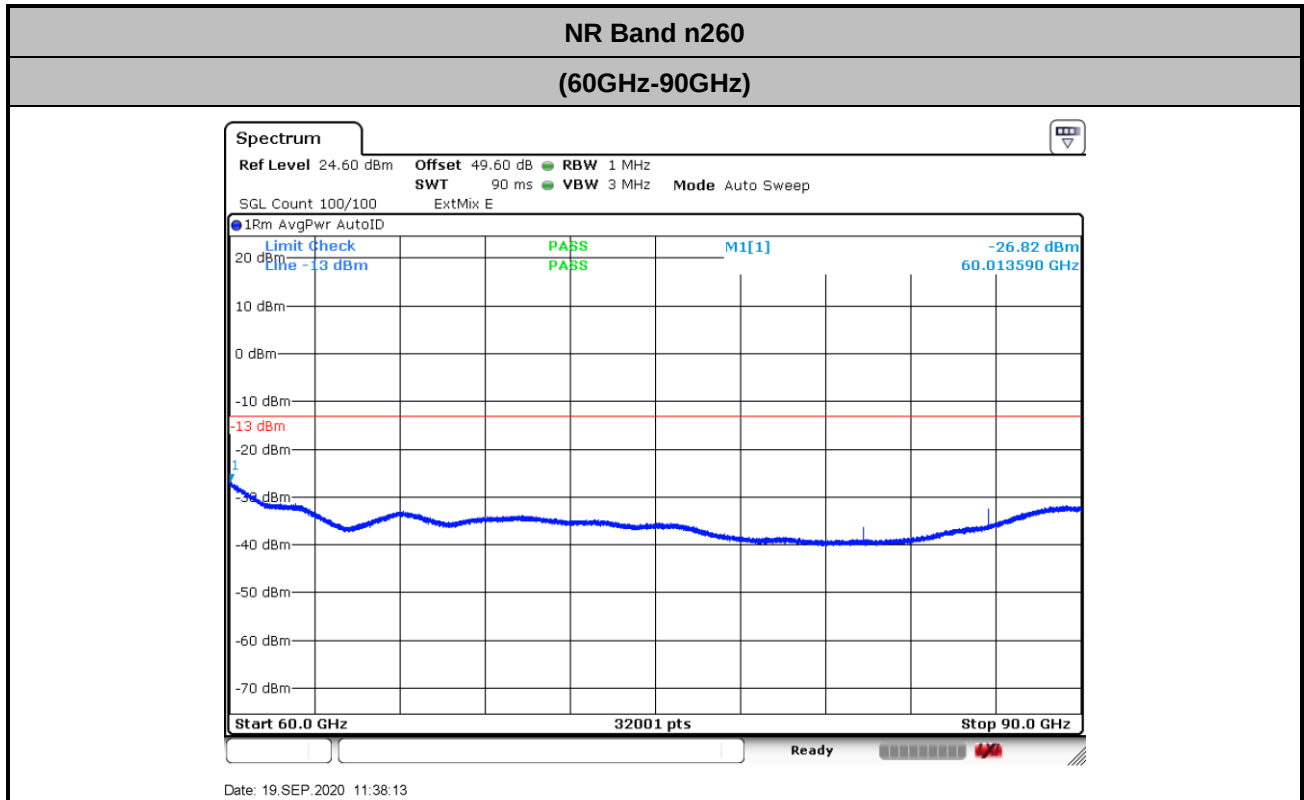




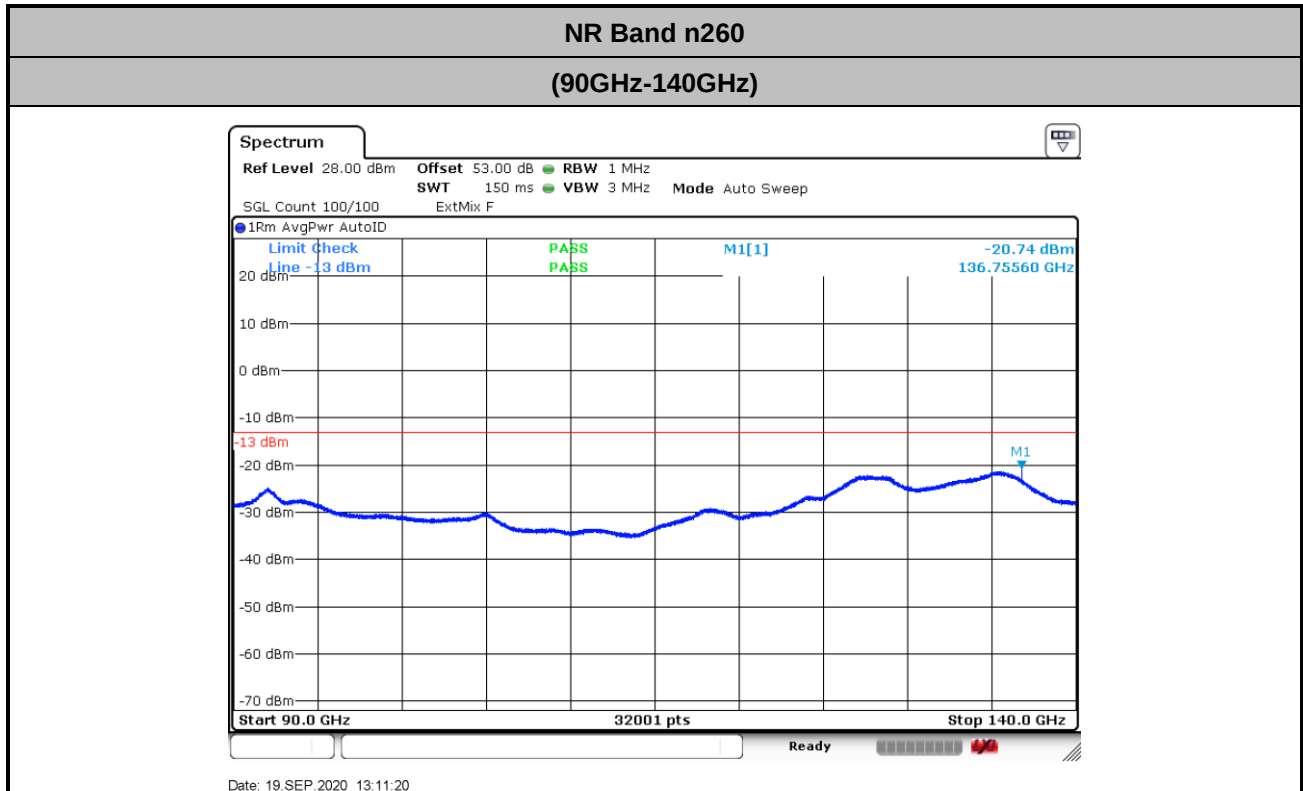
There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz.
Only the noise floor is reported.



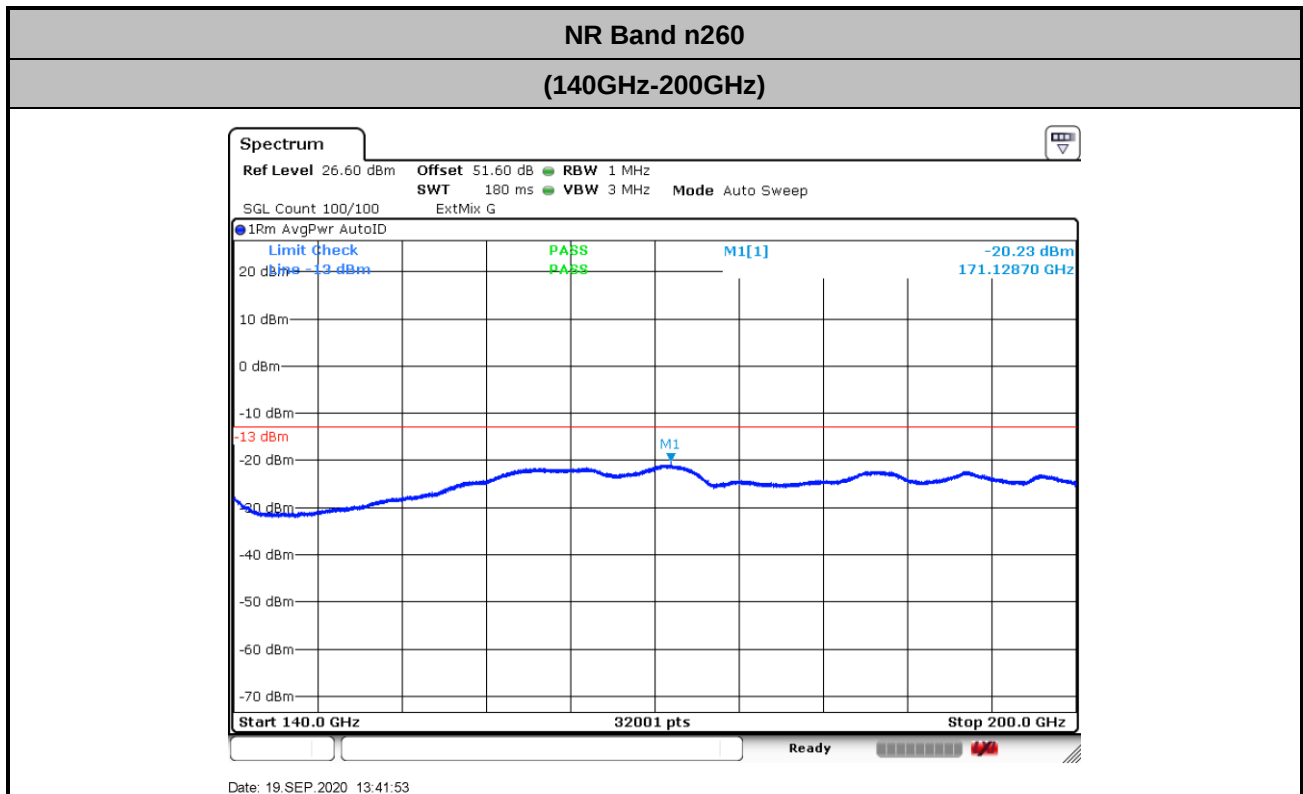
$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.3 + 2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)}\end{aligned}$$



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



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



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

NR Band n260

Frequency Stability

Test Conditions		NR Band n260 / Middle Channel			Limit
Temperature (°C)	Voltage (Volt)	CW tone			Note 2.
		Frequency (GHz)	Deviation (kHz)	Deviation (ppm)	Result
50	Normal Voltage	38.5002807	-282.700	7.343	Pass
40	Normal Voltage	38.5001628	-164.800	4.281	
30	Normal Voltage	38.5000619	-63.900	1.660	
20(Ref.)	Normal Voltage	38.499998	0.000	0.000	
10	Normal Voltage	38.499978	20.000	0.519	
0	Normal Voltage	38.49995	48.000	1.247	
-10	Normal Voltage	38.4999011	96.900	2.517	
-20	Normal Voltage	38.4998322	165.800	4.306	
-30	Normal Voltage	38.4997742	223.800	5.813	
20	Maximum Voltage	38.500035	-37.000	0.961	
20	Normal Voltage	38.500014	-16.000	0.416	
20	Battery End Point	38.499976	22.000	0.571	

Note:

1. Normal Voltage =7.6 V. ; Battery End Point (BEP) =6.4 V. ; Maximum Voltage =8 V.
2. The frequency fundamental emissions stay within the operation band.



<NB Mode>

NR Band n261 Module 0 AG0

Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz)											
BW	50MHz				100MHz				400MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.50	45.06	-	-	90.28	90.08	-	-	387.04	386.56	-	-
Middle CH	45.26	45.30	45.12	45.12	90.72	90.24	90.48	90.36	386.56	386.56	386.72	387.36
Highest CH	45.14	45.36	-	-	90.12	90.52	-	-	386.56	386.56	-	-

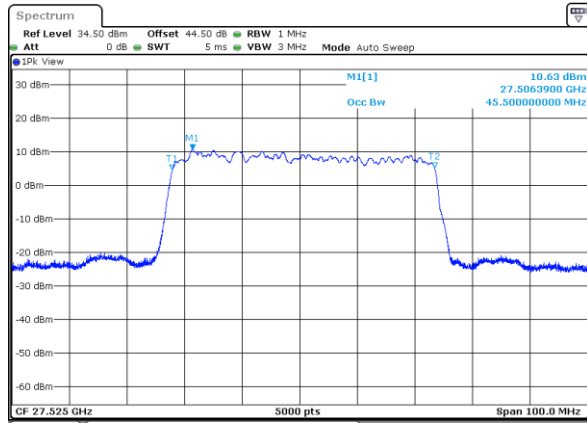
Mode	CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz)								
BW	50MHz			100MHz			400MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.36	-	-	92.72	-	-	387.20	-	-
Middle CH	45.22	45.04	45.16	92.72	92.84	92.56	388.96	389.12	390.08
Highest CH	45.20	-	-	92.68	-	-	388.48	-	-



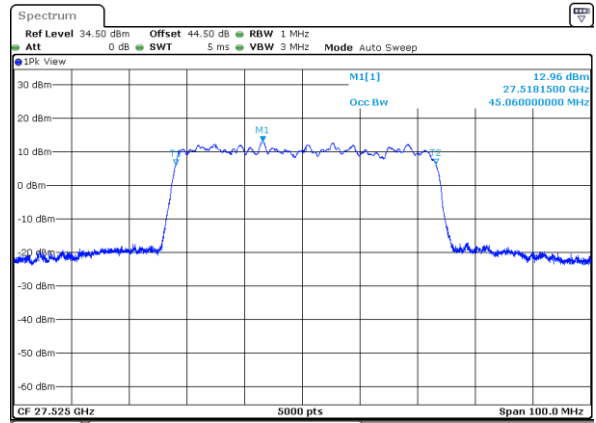
DFT-s-OFDM Module 0

NR Band n261

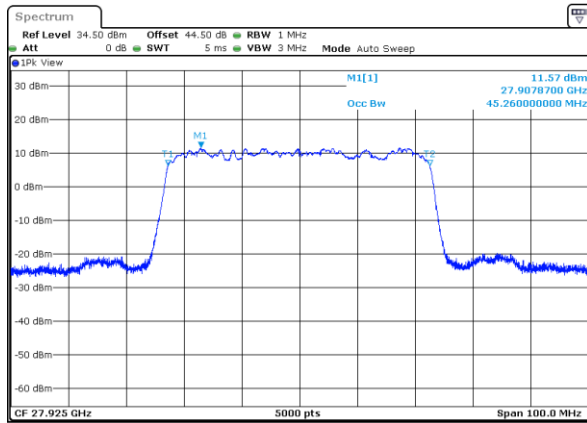
Lowest Channel / 50MHz / BPSK



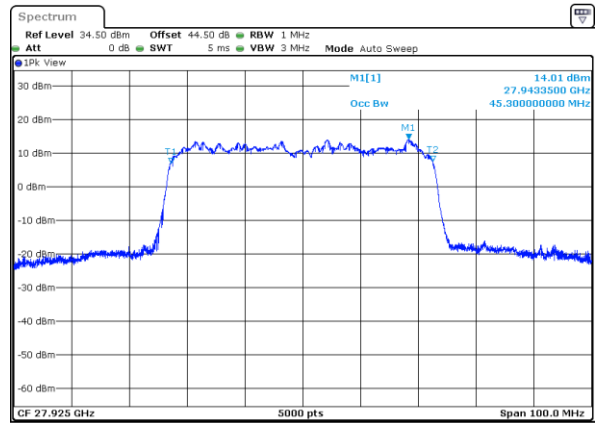
Lowest Channel / 50MHz / QPSK



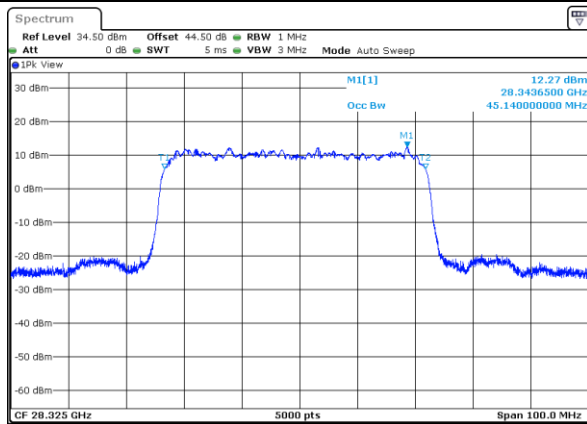
Middle Channel / 50MHz / BPSK



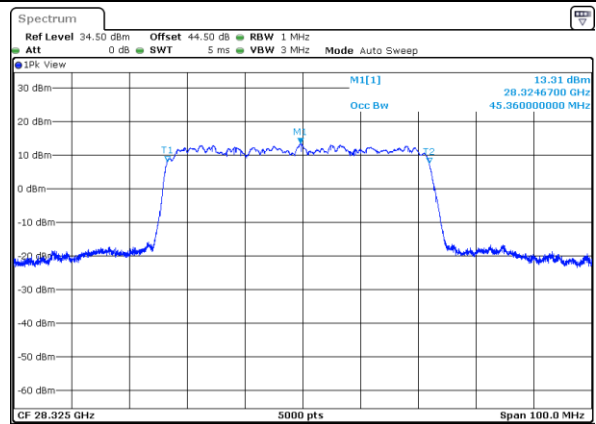
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK

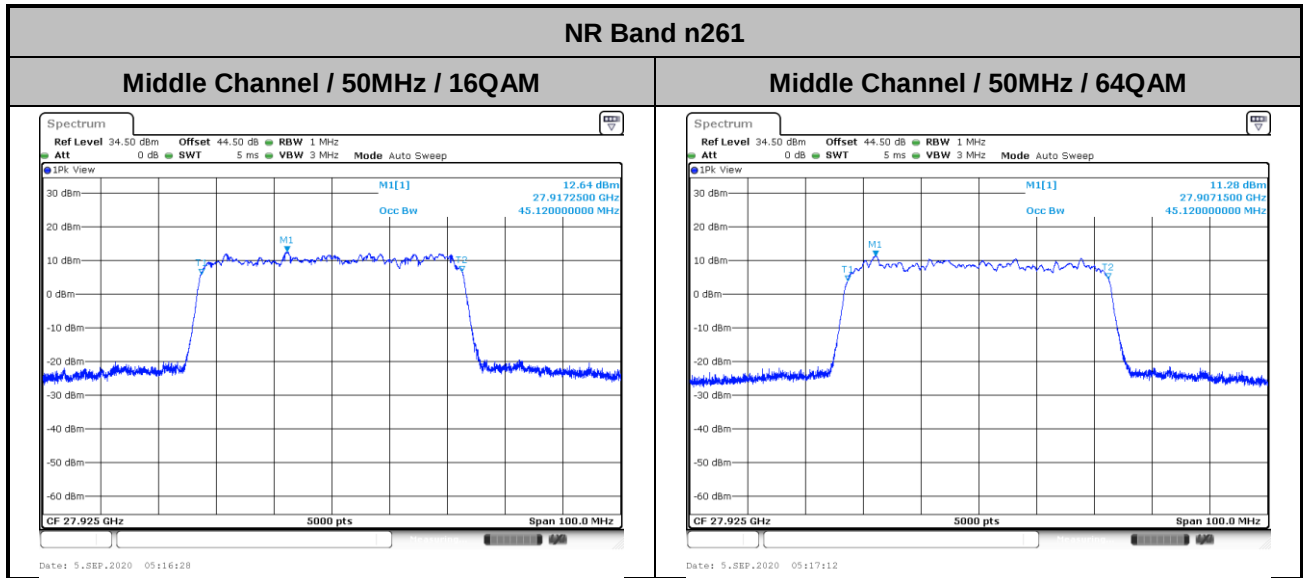


Highest Channel / 50MHz / QPSK





DFT-s-OFDM Module 0

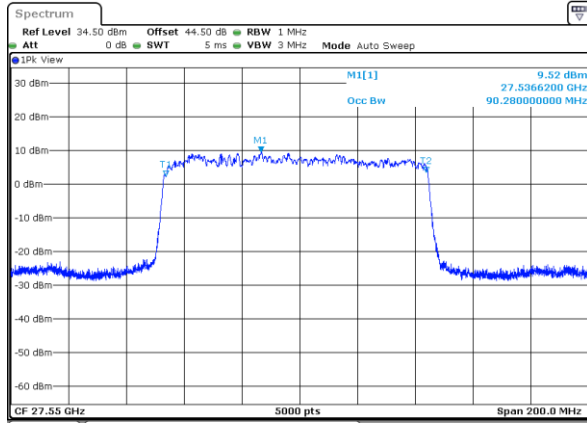




DFT-s-OFDM Module 0

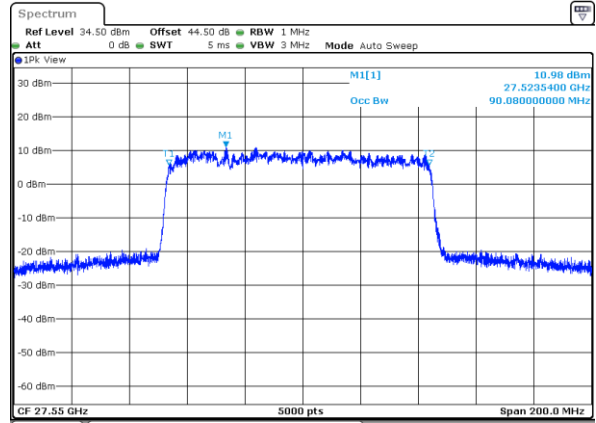
NR Band n261

Lowest Channel / 100MHz / BPSK



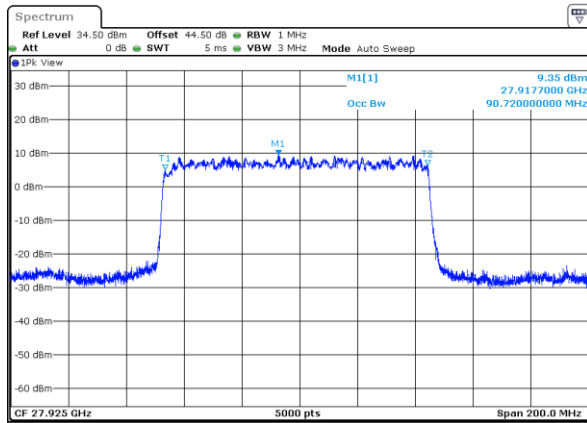
Date: 5,SEP,2020 03:14:46

Lowest Channel / 100MHz / QPSK



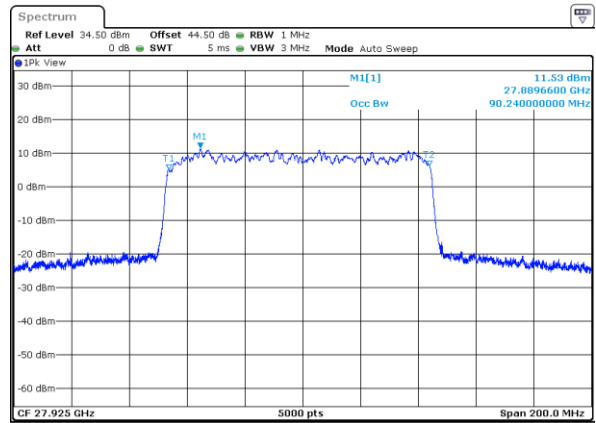
Date: 5,SEP,2020 03:07:28

Middle Channel / 100MHz / BPSK



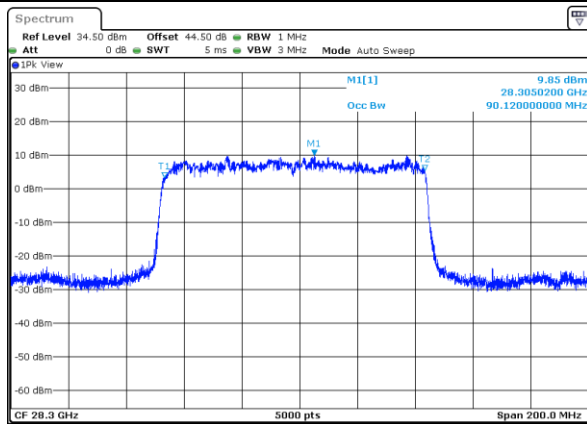
Date: 26,AUG,2020 14:07:47

Middle Channel / 100MHz / QPSK



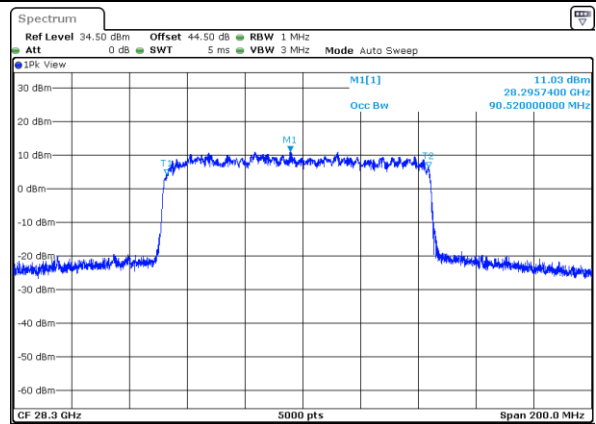
Date: 26,AUG,2020 14:09:21

Highest Channel / 100MHz / BPSK



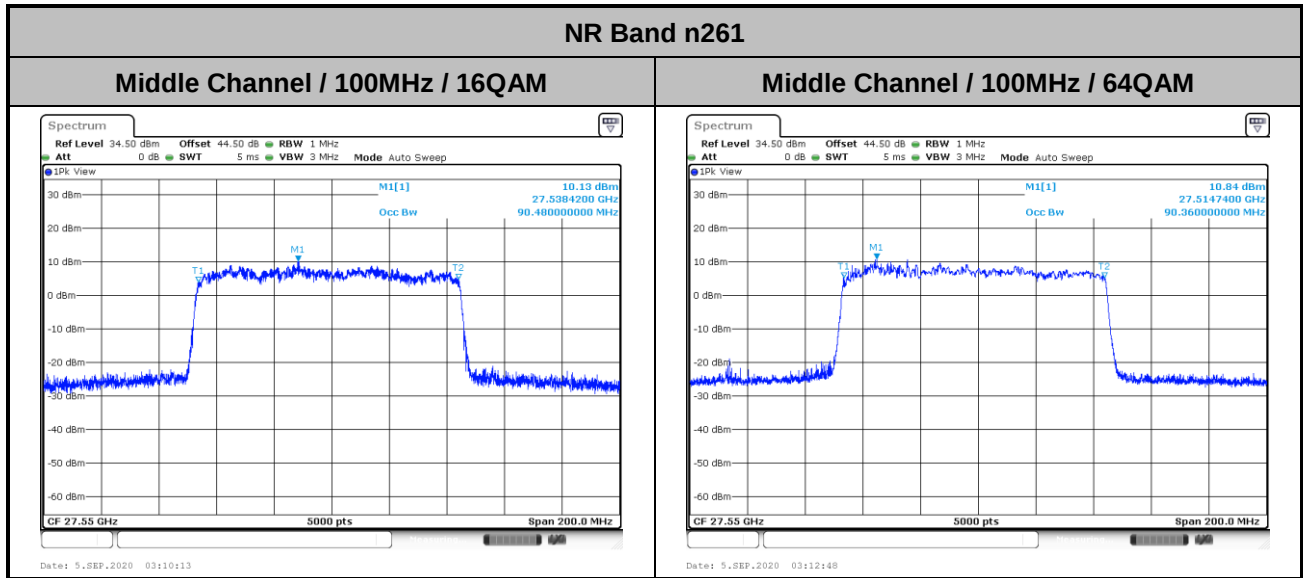
Date: 5,SEP,2020 05:45:52

Highest Channel / 100MHz / QPSK



Date: 5,SEP,2020 05:40:59

DFT-s-OFDM Module 0

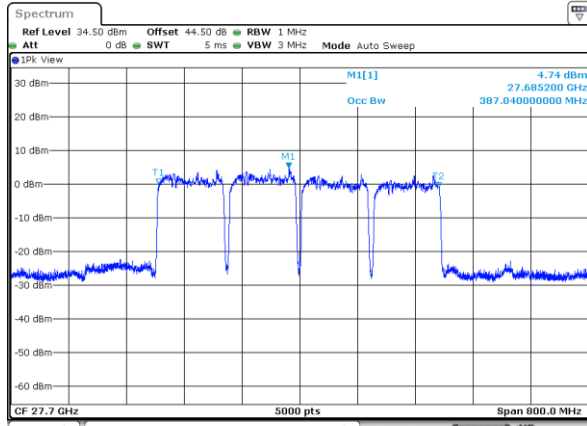




DFT-s-OFDM Module 0

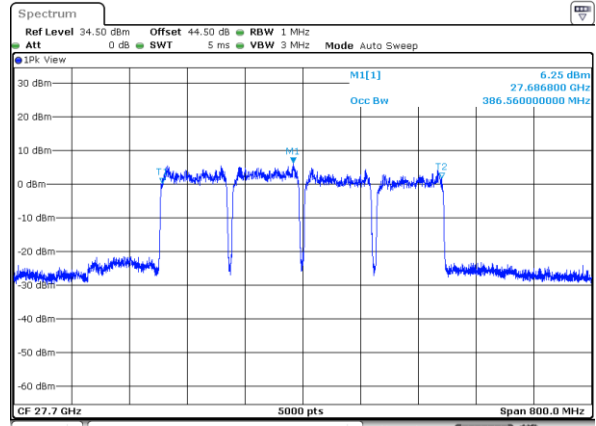
NR Band n261

Lowest Channel / 400MHz / BPSK



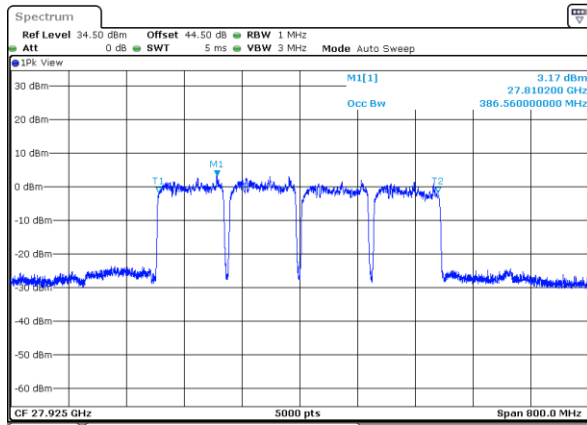
Date: 14.SEP.2020 21:06:20

Lowest Channel / 400MHz / QPSK



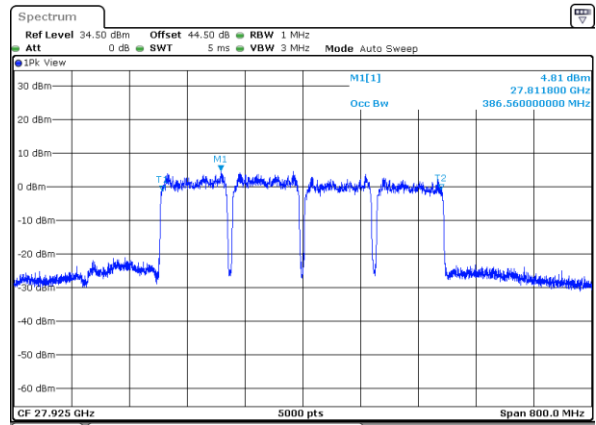
Date: 14.SEP.2020 21:03:52

Middle Channel / 400MHz / BPSK



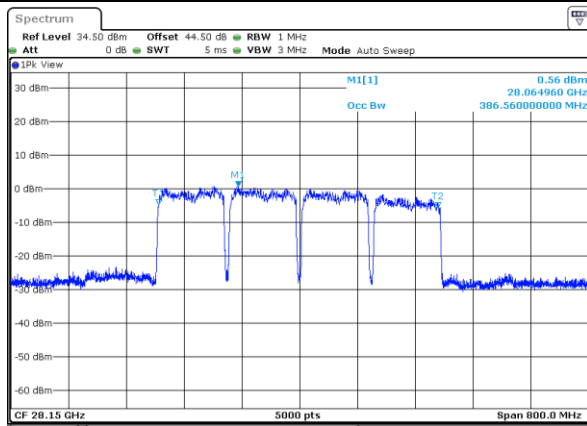
Date: 14.SEP.2020 20:18:08

Middle Channel / 400MHz / QPSK



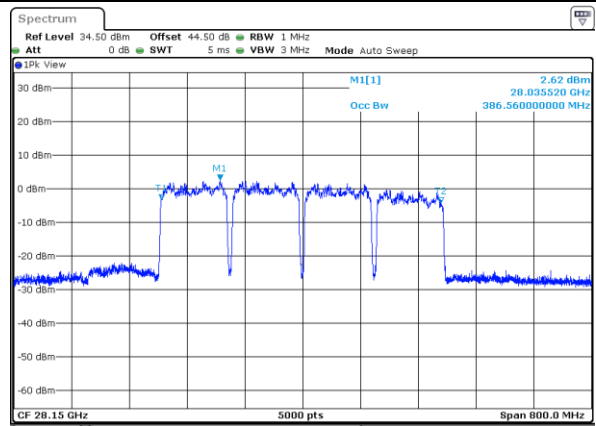
Date: 14.SEP.2020 20:16:53

Highest Channel / 400MHz / BPSK



Date: 14.SEP.2020 22:45:55

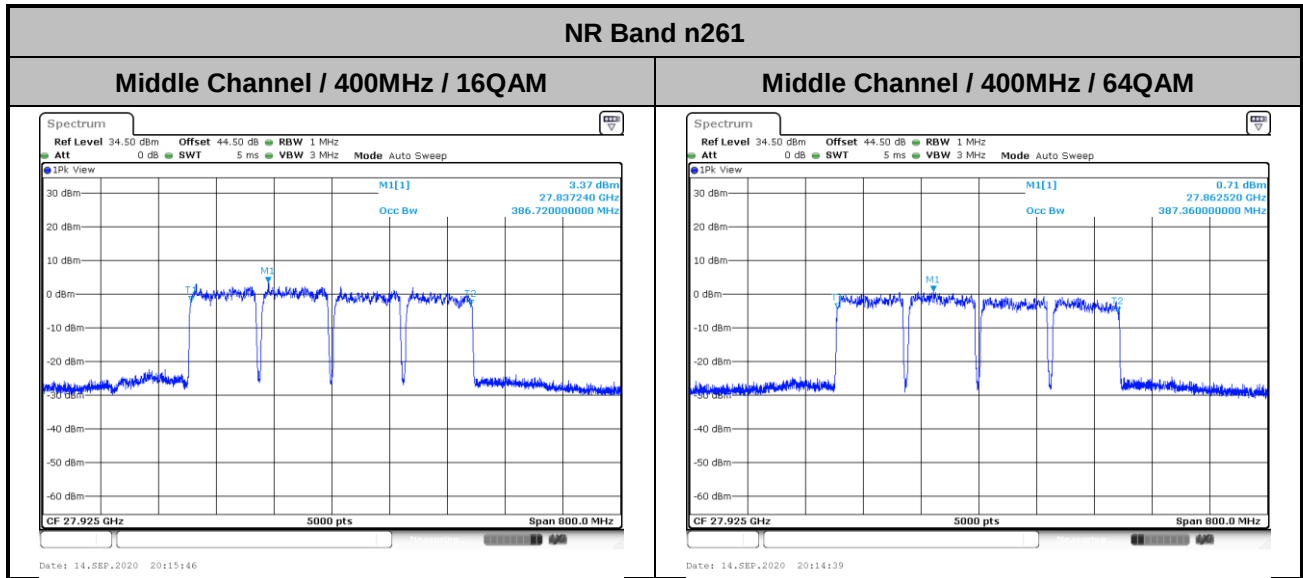
Highest Channel / 400MHz / QPSK



Date: 14.SEP.2020 22:48:19



DFT-s-OFDM Module 0

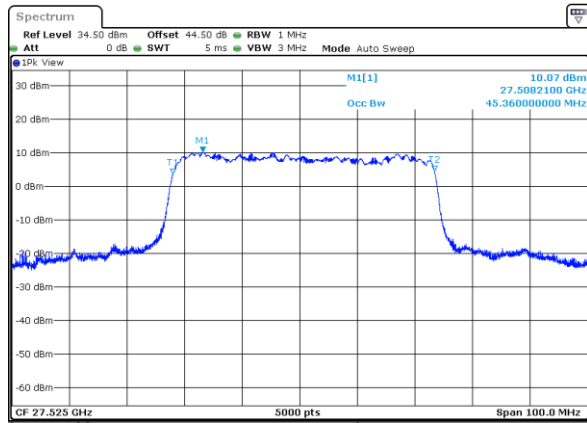




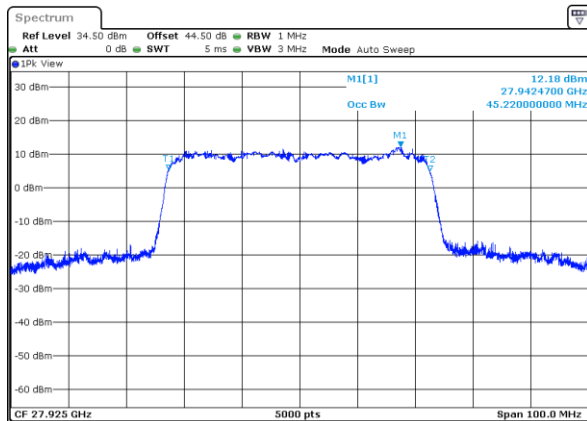
CP-OFDM Module 0

NR Band n261

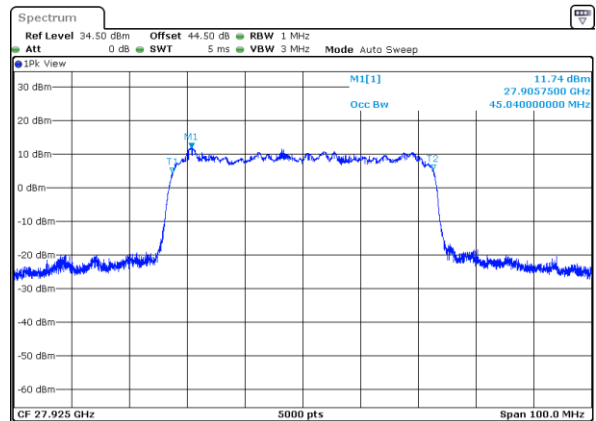
Lowest Channel / 50MHz / QPSK



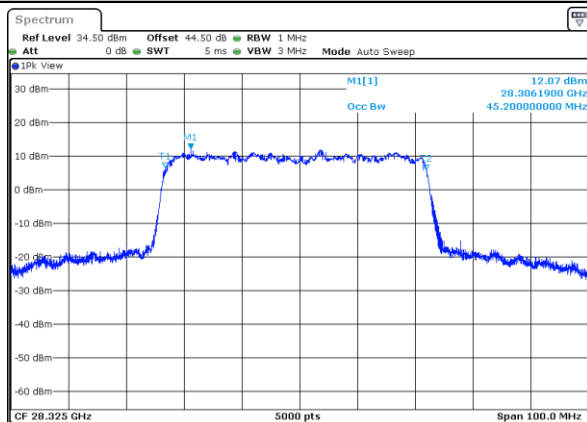
Middle Channel / 50MHz / QPSK



Middle Channel / 50MHz / 16QAM

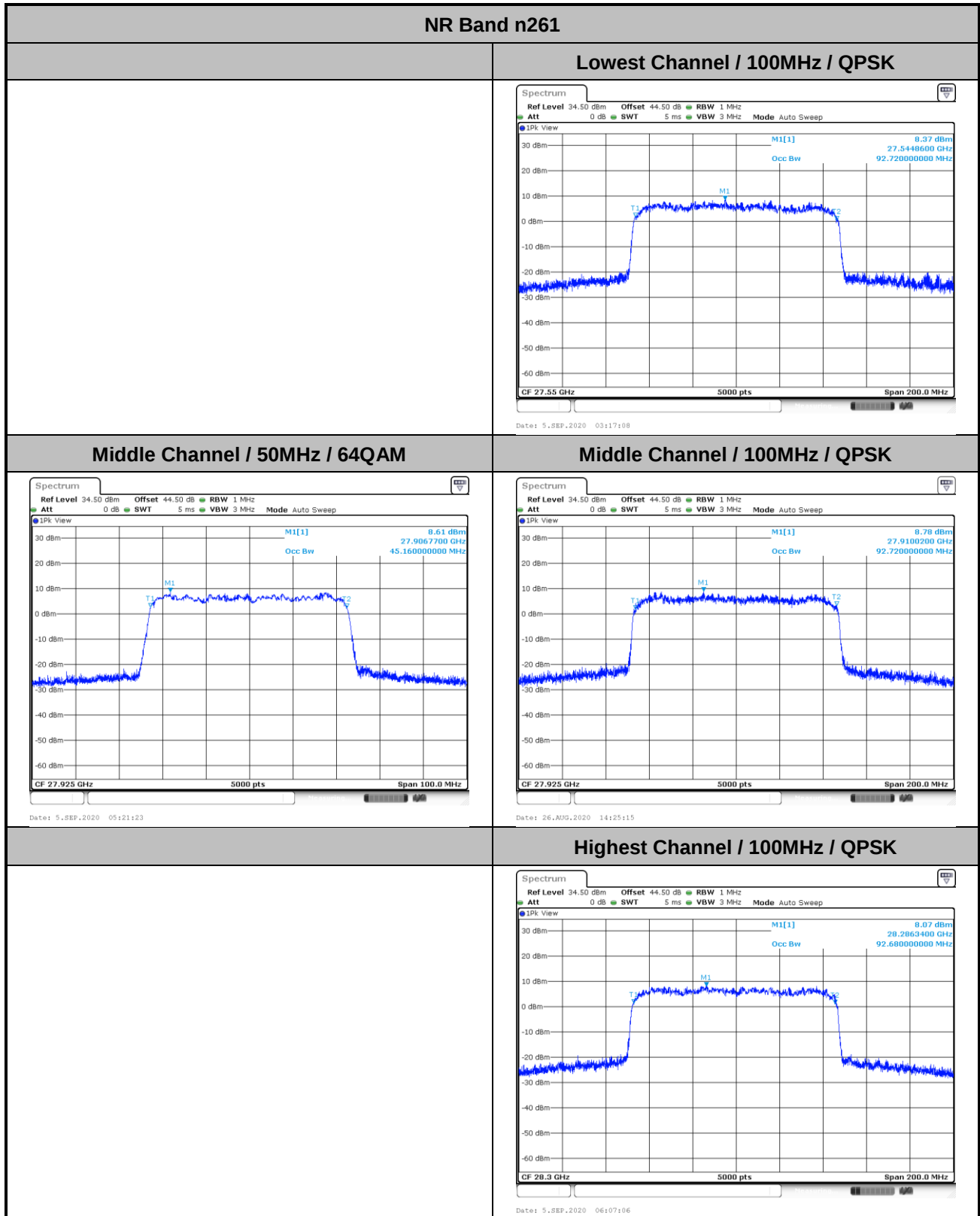


Highest Channel / 50MHz / QPSK



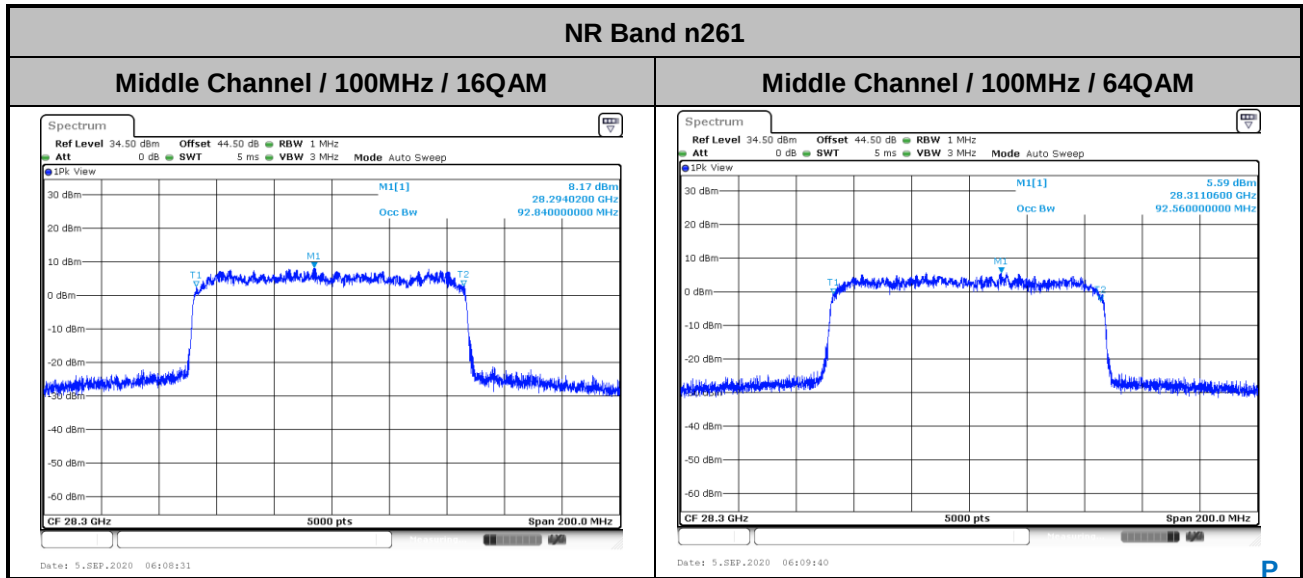


CP-OFDM Module 0





CP-OFDM Module 0

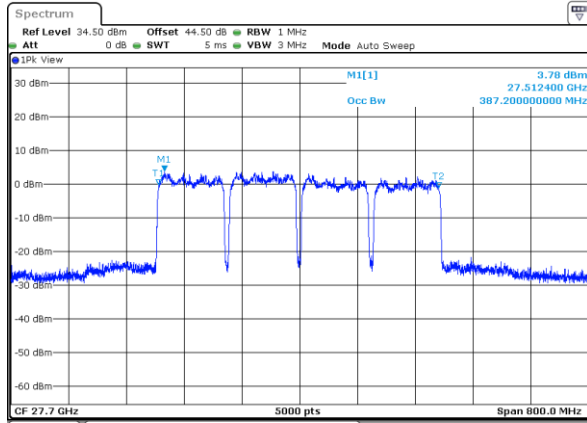




CP-OFDM Module 0

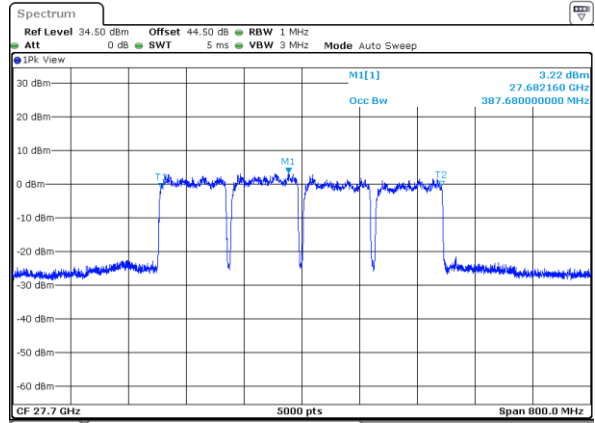
NR Band n261

Lowest Channel / 400MHz / QPSK



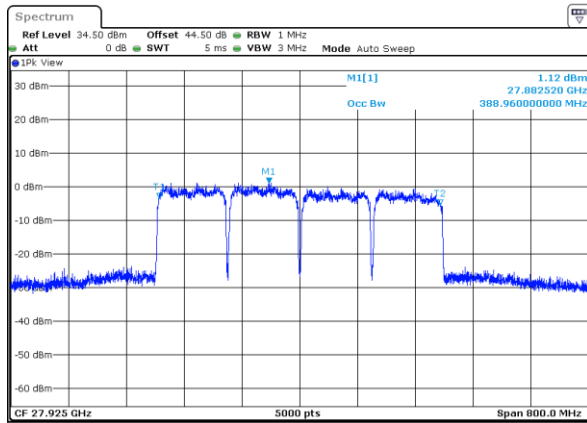
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Lowest Channel / 400MHz / 16QAM



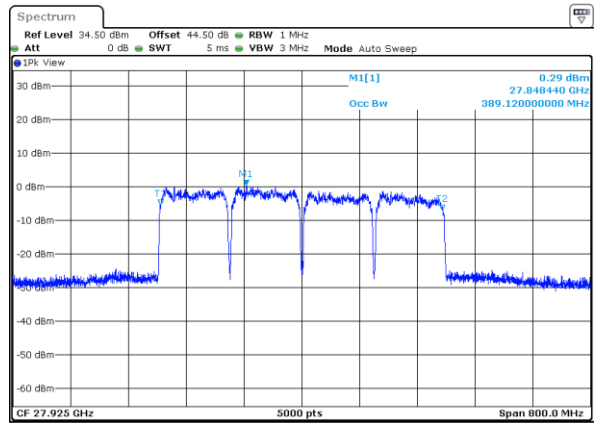
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Middle Channel / 400MHz / QPSK



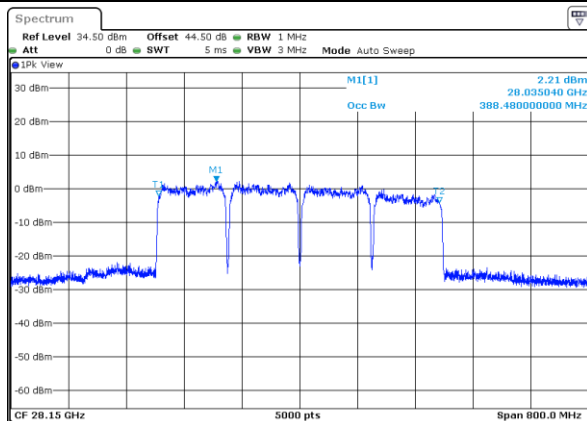
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Middle Channel / 400MHz / 16QAM



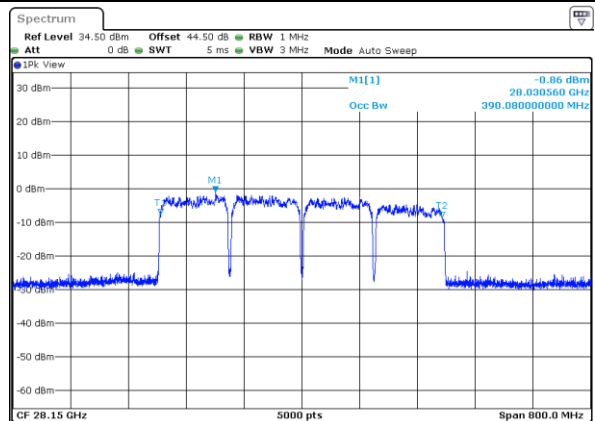
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Highest Channel / 400MHz / QPSK



Date: 14.SEP.2020 23:14:43

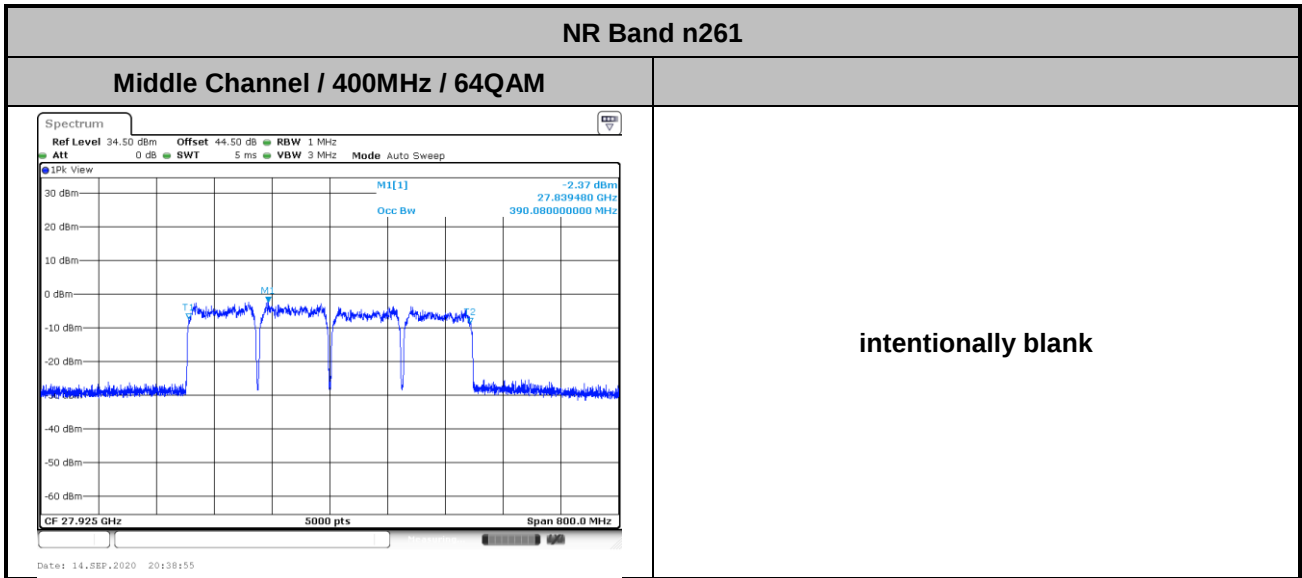
Highest Channel / 400MHz / 16QAM



Date: 14.SEP.2020 23:24:27



CP-OFDM Module 0



**Radiated Out of Band Emissions**

Mode			DFT-s-OFDM Module 0 NR Band n261 : 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	-24.81	-24.25	-	-	-21.77	-19.97	-	-	-30.38	-30.28	-	-
	>10%OB	≤-13	-33.67	-33.58	-	-	-33.95	-33.99	-	-	-31.41	-28.37	-	-
High CH	0~10%OB	≤-5	-24.69	-24.4	-	-	-25.01	-23.88	-	-	-33.03	-32.71	-	-
	>10%OB	≤-13	-32.5	-32.51	-	-	-32.6	-32.45	-	-	-33.13	-33.04	-	-
Result			Compliance											

Mode			CP-OFDM Module 0 NR Band n261 : 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	-23.94	-	-	-20.54	-	-	-29.27	-	-
	>10%OB	≤-13	-33.53	-	-	-33.76	-	-	-24.75	-	-
High CH	0~10%OB	≤-5	-24.75	-	-	-25.57	-	-	-32.6	-	-
	>10%OB	≤-13	-32.6	-	-	-32.57	-	-	-29.16	-	-
Result			Compliance								

Mode			DFT-s-OFDM Module 0 NR Band n261 : 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	-30.51	-27.07	-	-	-30.35	-27.97	-	-	-31.72	-29.81	-	-
	>10%OB	≤-13	-32.16	-27.42	-	-	-32.3	-29.21	-	-	-31.63	-30.04	-	-
High CH	0~10%OB	≤-5	-28.1	-23.71	-	-	-31.36	-27.57	-	-	-33.97	-33.57	-	-
	>10%OB	≤-13	-31.35	-26.69	-	-	-32.65	-30.27	-	-	-34.31	-34.26	-	-
Result			Compliance											

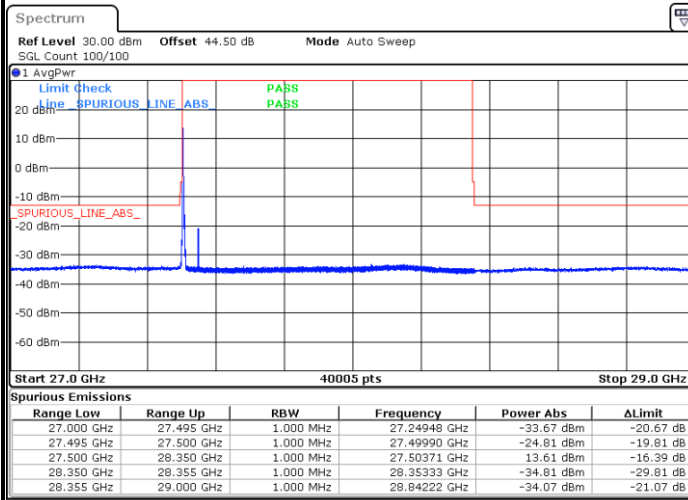
Mode			CP-OFDM Module 0 NR Band n261 : BE (dBm) Full RB								
BW			50MHz			100MHz			400MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-27.71	-	-	-28.97	-	-	-31.17	-	-
	>10%OB	≤-13	-29.23	-	-	-30.55	-	-	-31.27	-	-
High CH	0~10%OB	≤-5	-25.39	-	-	-28.57	-	-	-33.04	-	-
	>10%OB	≤-13	-28.54	-	-	-31.2	-	-	-33.9	-	-
Result			Compliance								



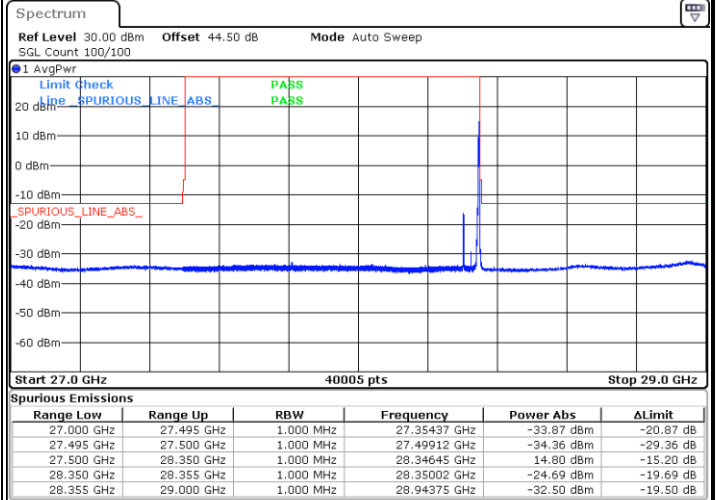
DFT-s-OFDM Module 0

NR Band n261 / 50MHz / BPSK

Lowest Band Edge / 1 RB

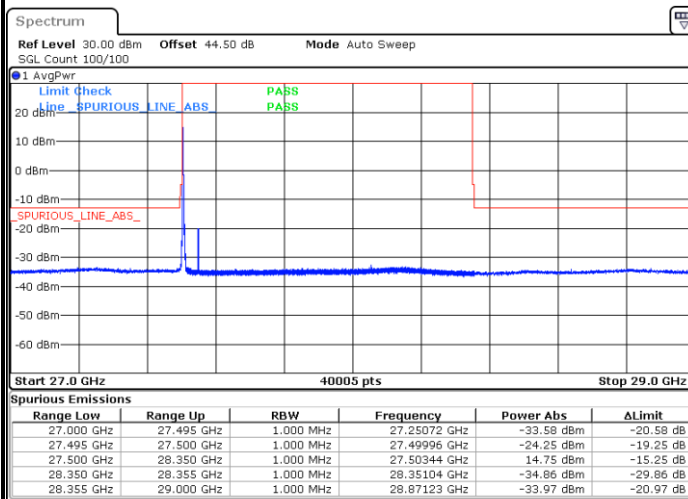


Highest Band Edge / 1 RB



NR Band n261 / 50MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

