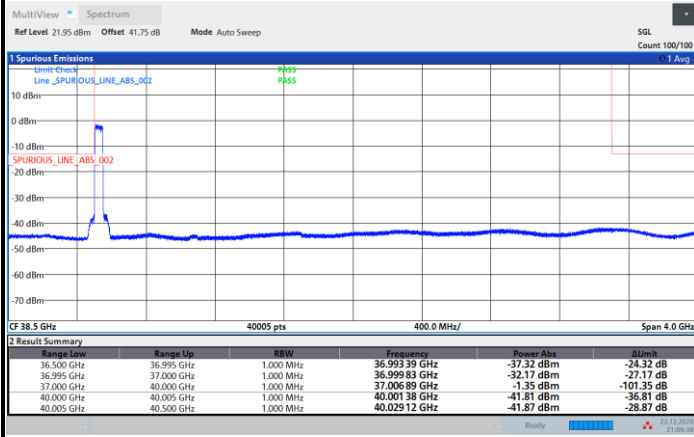




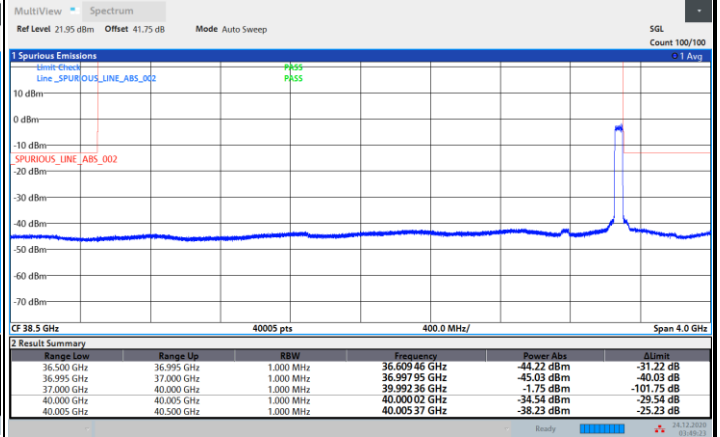
DFT-s-OFDM Module 0

NR Band n260 / 50MHz / BPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

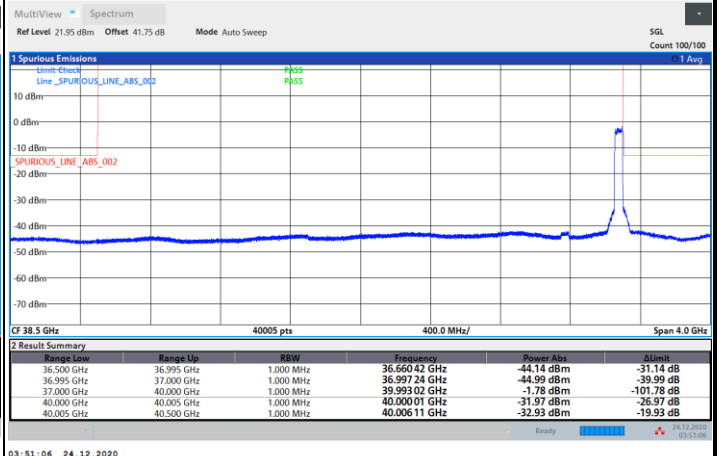


NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

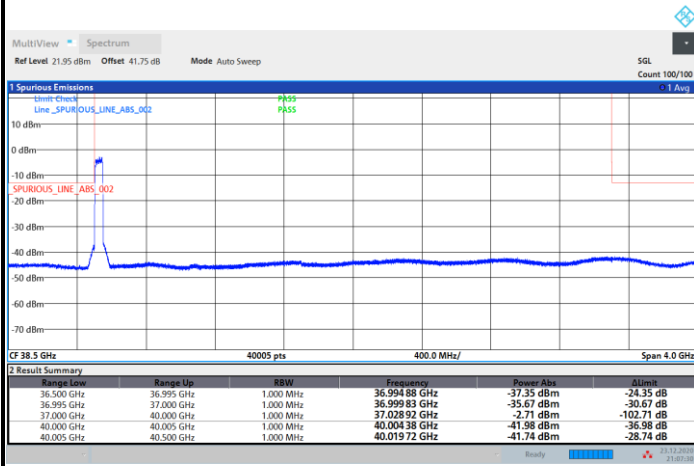




DFT-s-OFDM Module 0

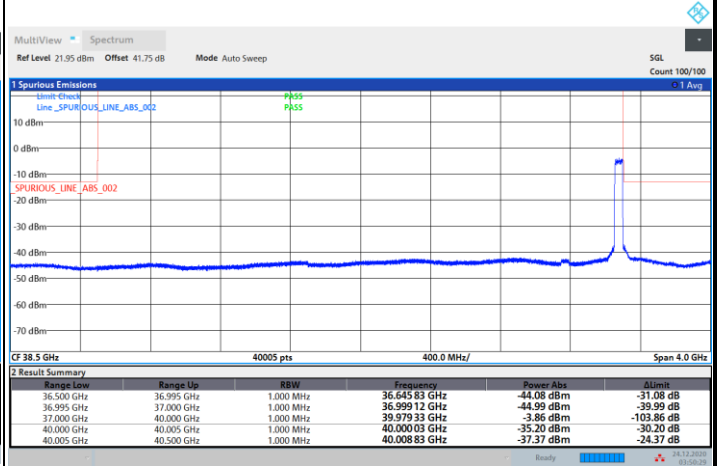
NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / Full RB



21:07:31 23.12.2020

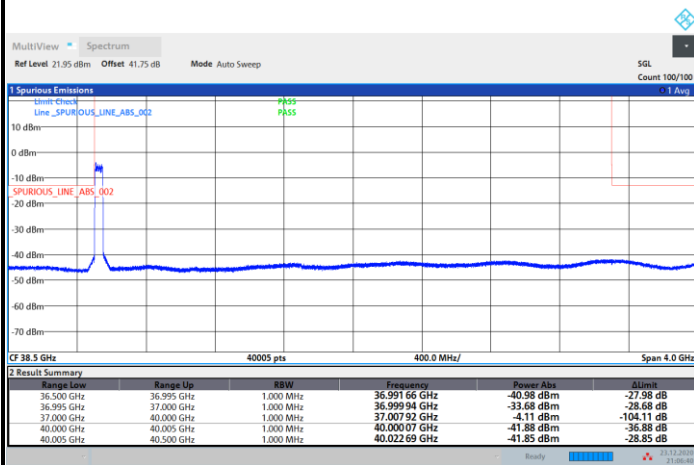
Highest Band Edge / Full RB



03:50:30 24.12.2020

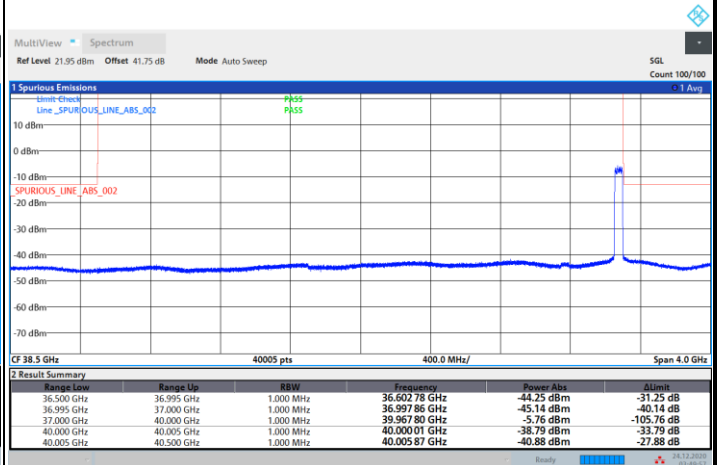
NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB



21:06:41 23.12.2020

Highest Band Edge / Full RB



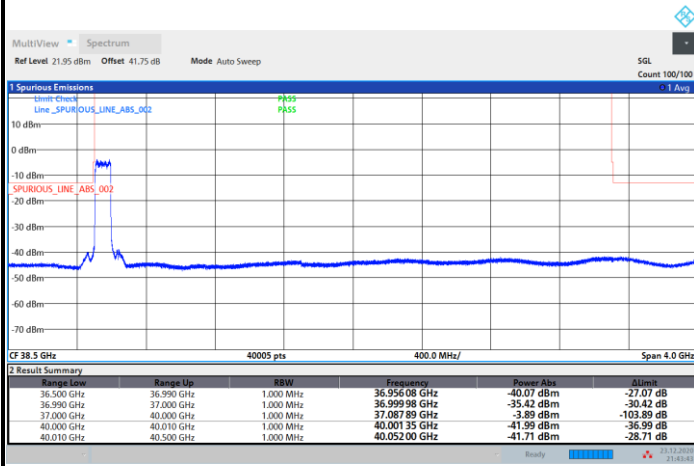
03:49:58 24.12.2020



DFT-s-OFDM Module 0

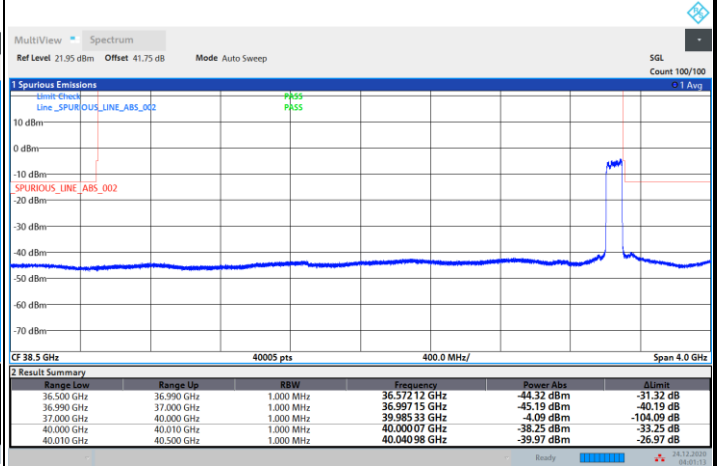
NR Band n260 / 100MHz / BPSK

Lowest Band Edge / Full RB



21:43:43 23.12.2020

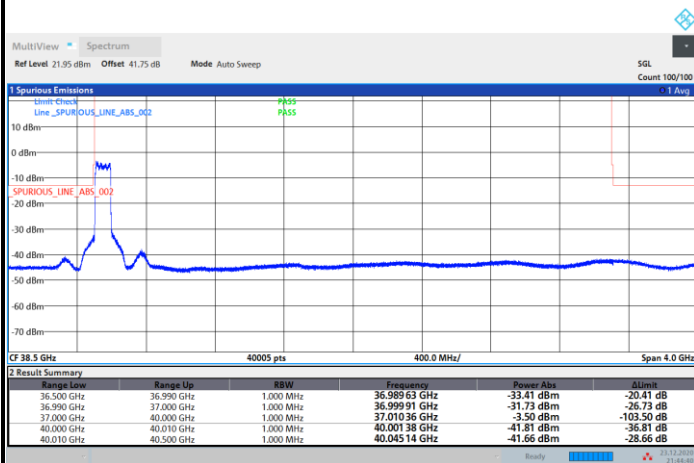
Highest Band Edge / Full RB



04:01:13 24.12.2020

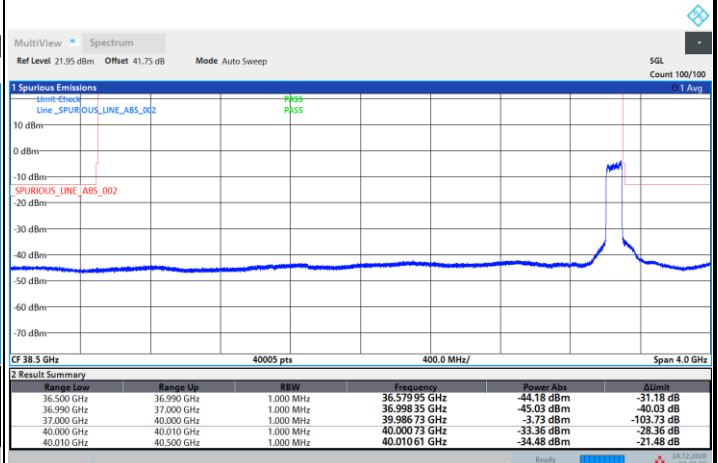
NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



21:44:41 23.12.2020

Highest Band Edge / Full RB



04:03:01 24.12.2020



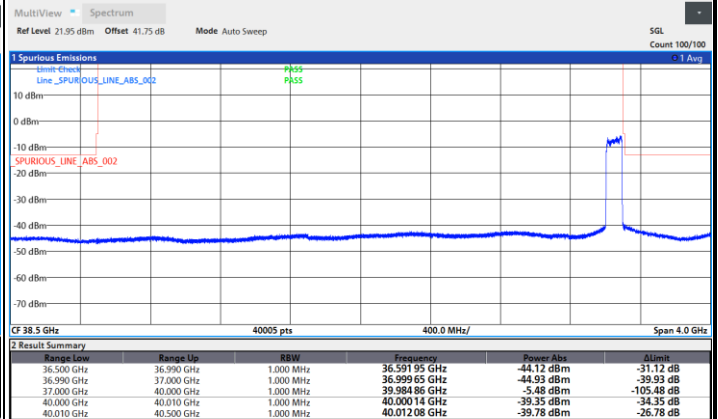
DFT-s-OFDM Module 0

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB

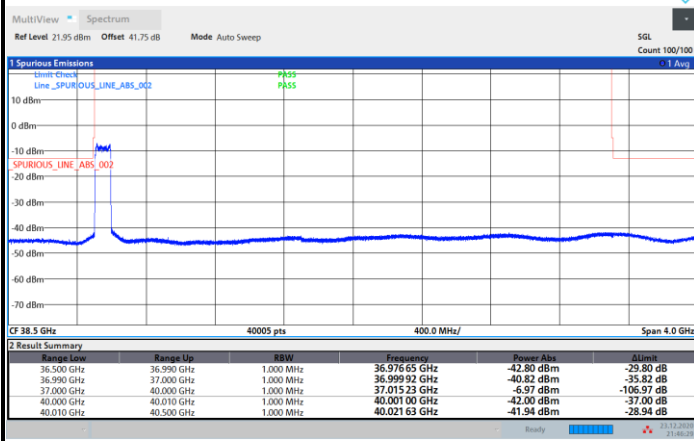


Highest Band Edge / Full RB

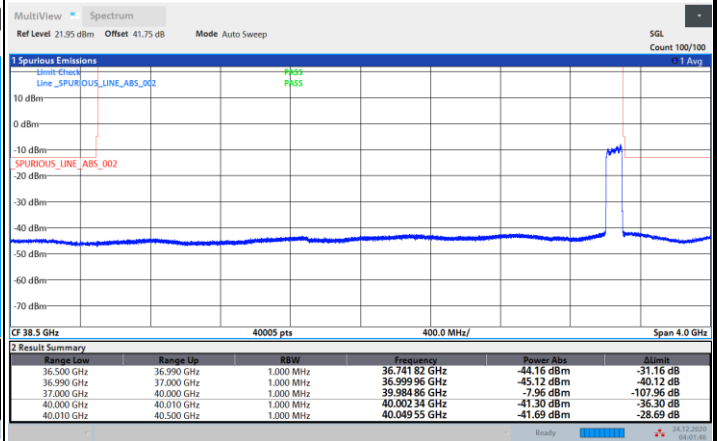


NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

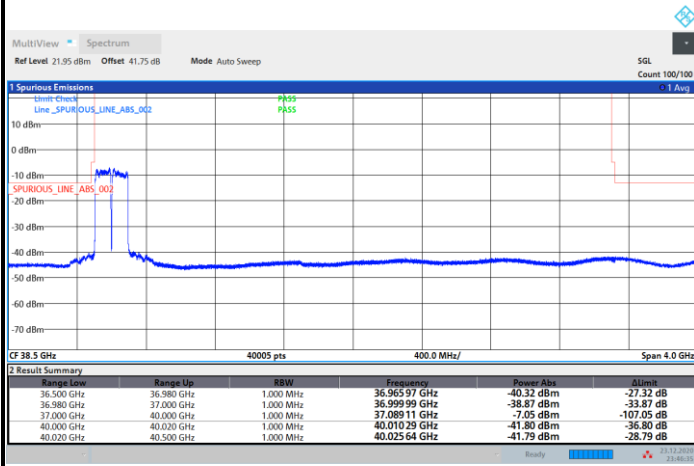




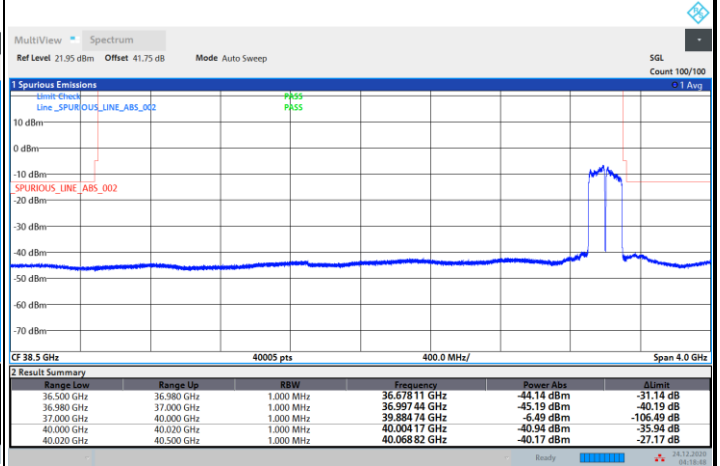
DFT-s-OFDM Module 0

NR Band n260 / 200MHz / BPSK

Lowest Band Edge / Full RB

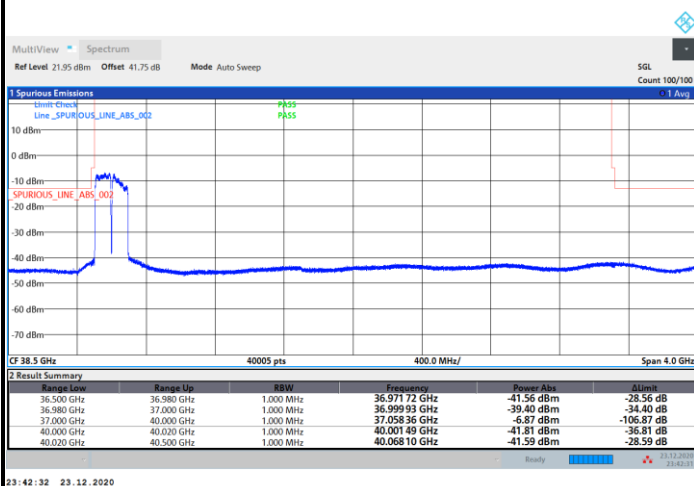


Highest Band Edge / Full RB

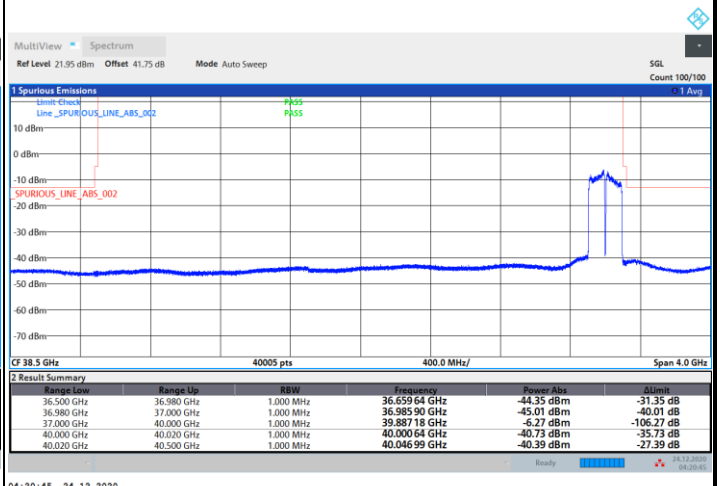


NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

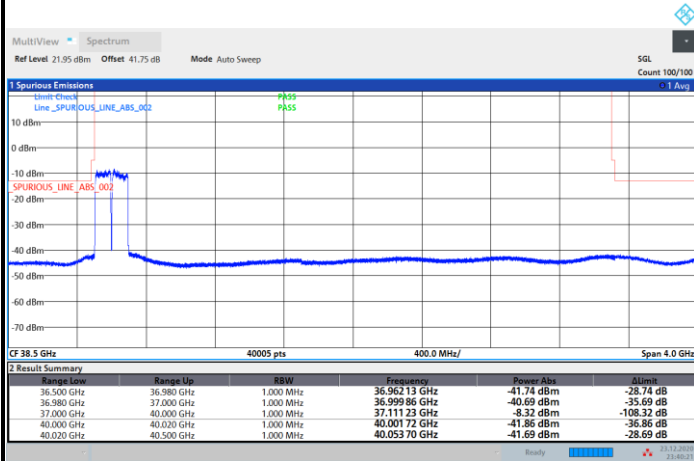




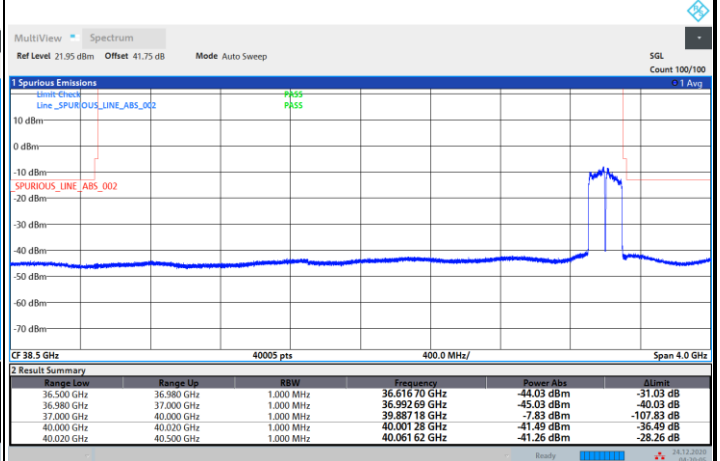
DFT-s-OFDM Module 0

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB

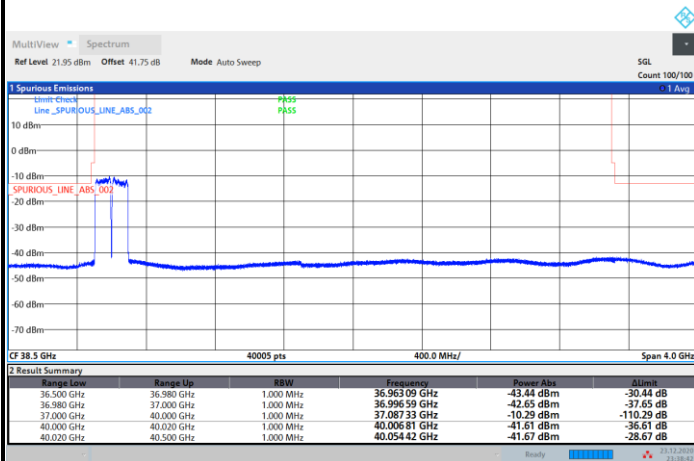


Highest Band Edge / Full RB

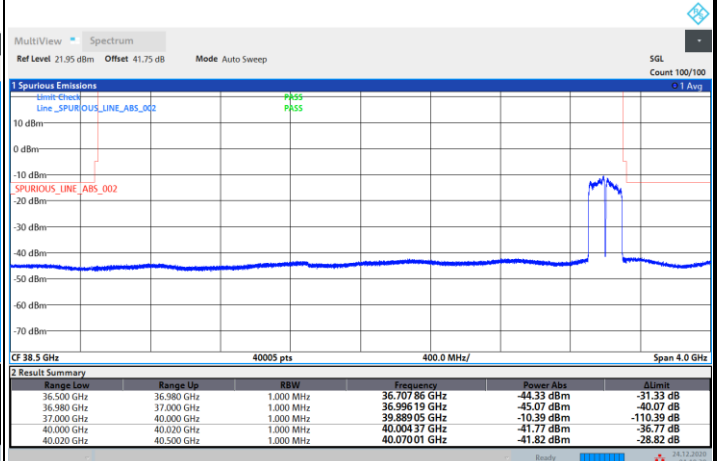


NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

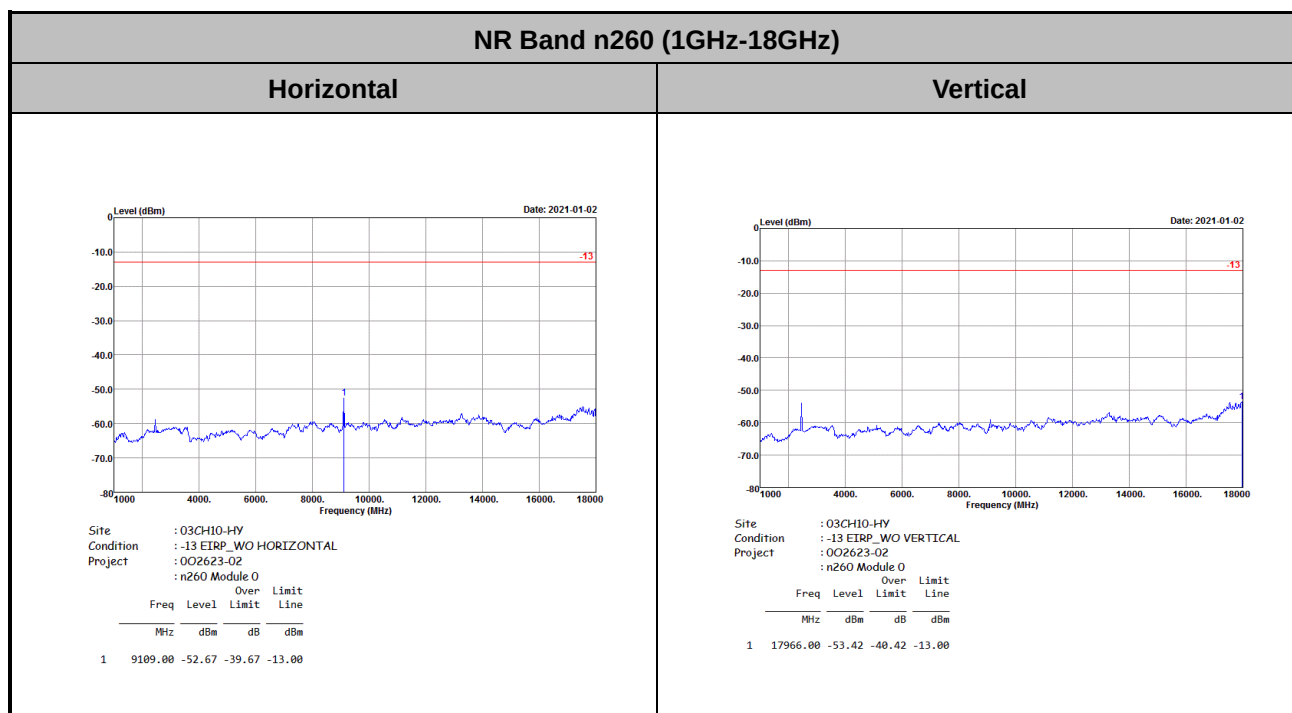
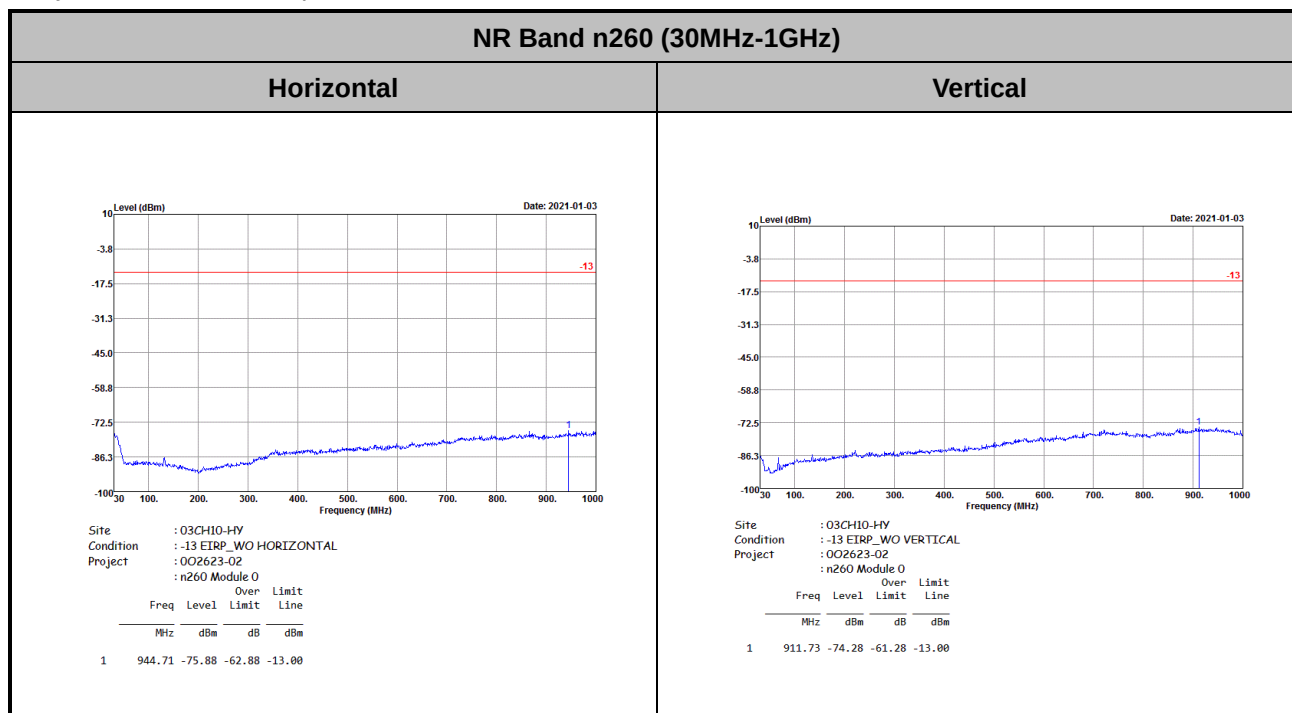




Spurious Emission

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

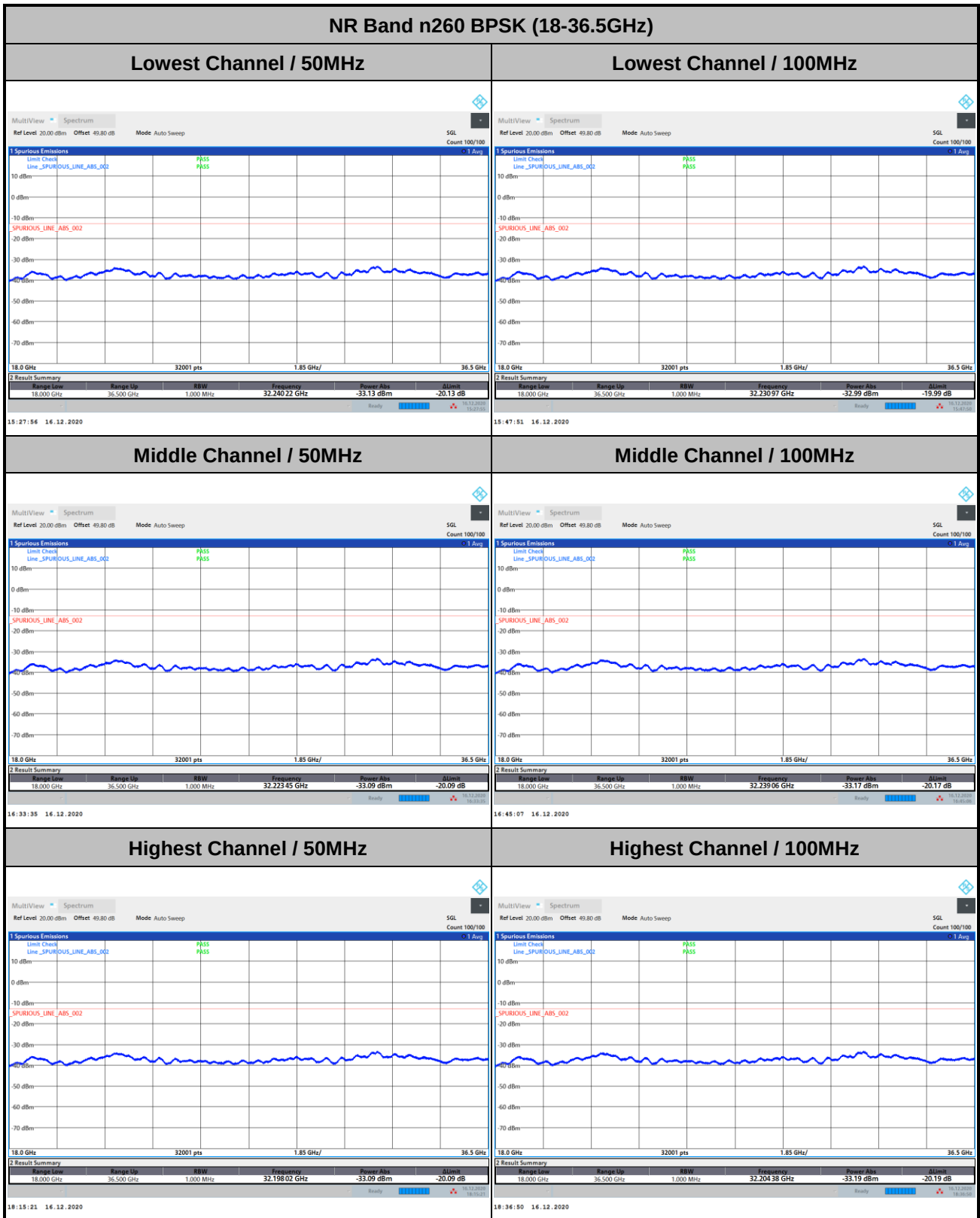
Only the noise floor is reported.





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

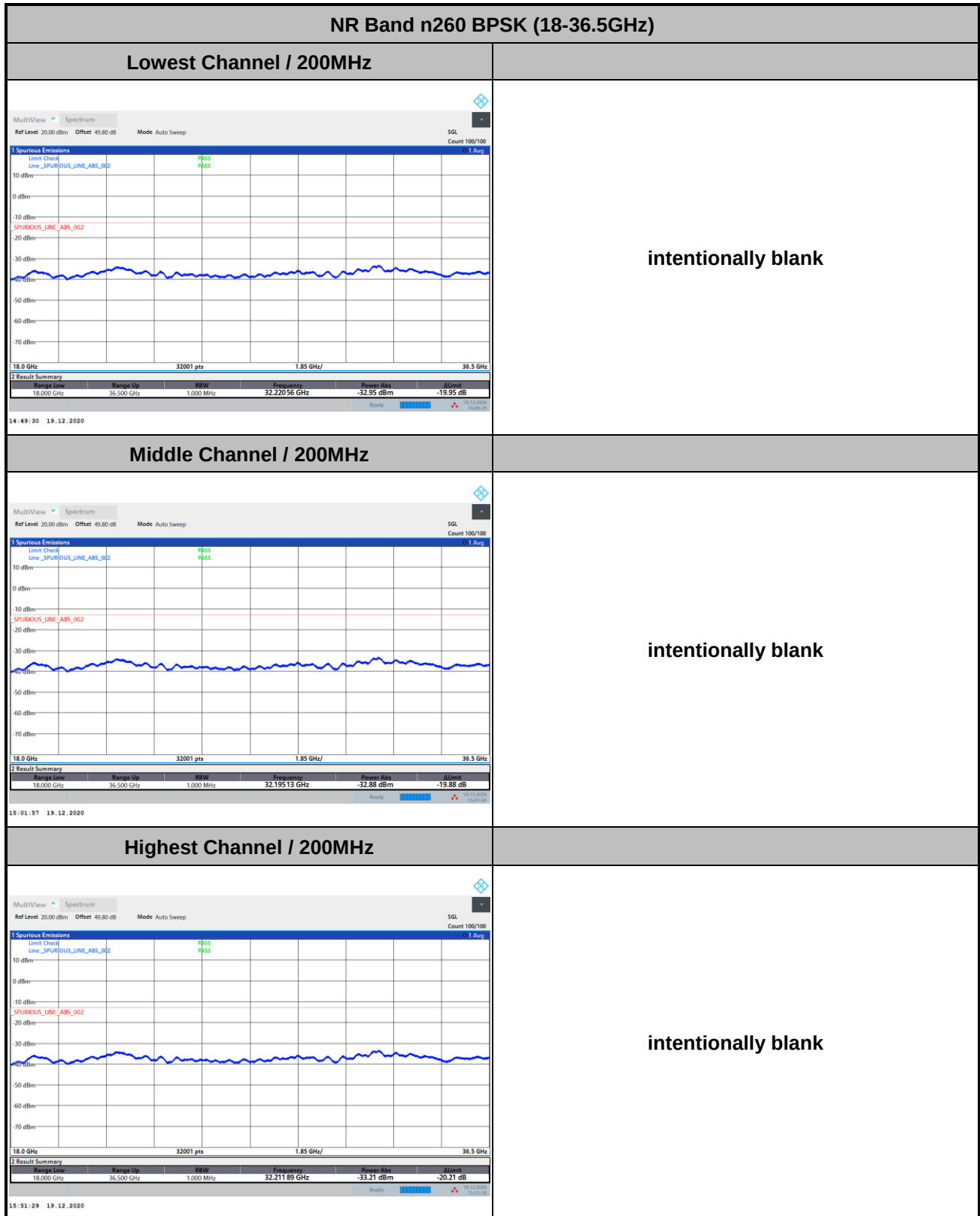
AG0 DFT-s-OFDM Module 0



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



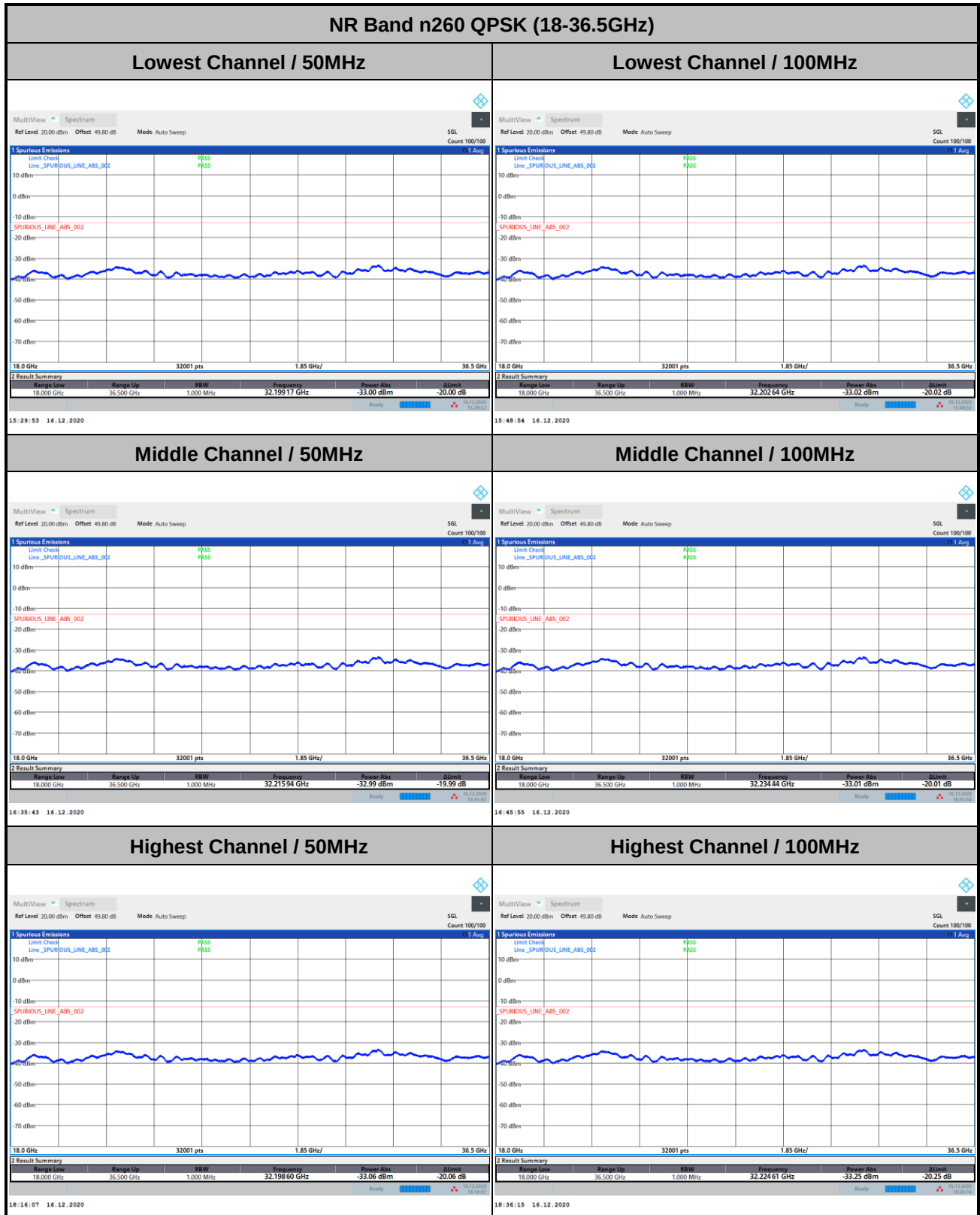
AG0 DFT-s-OFDM Module 0



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



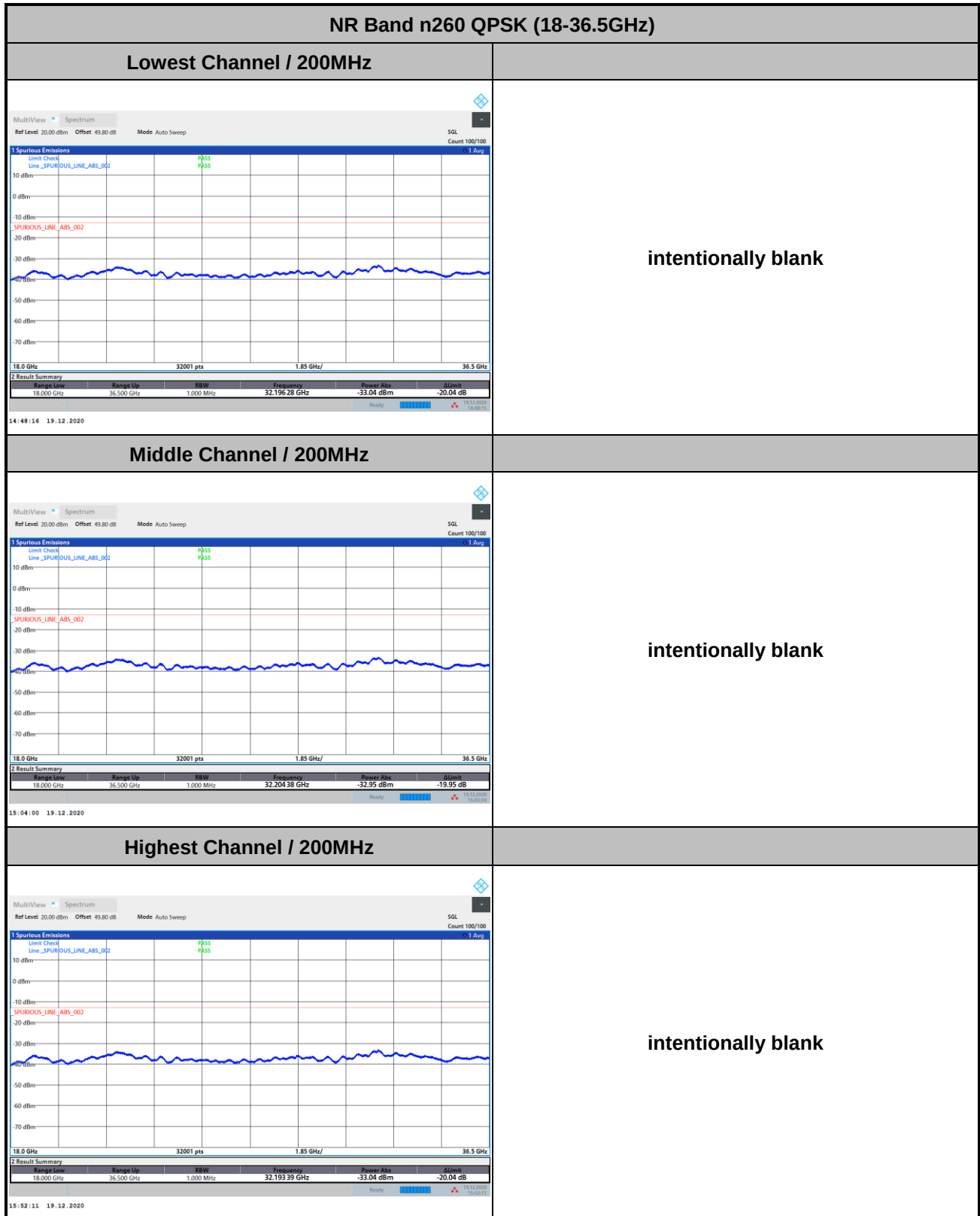
AG0 DFT-s-OFDM Module 0



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



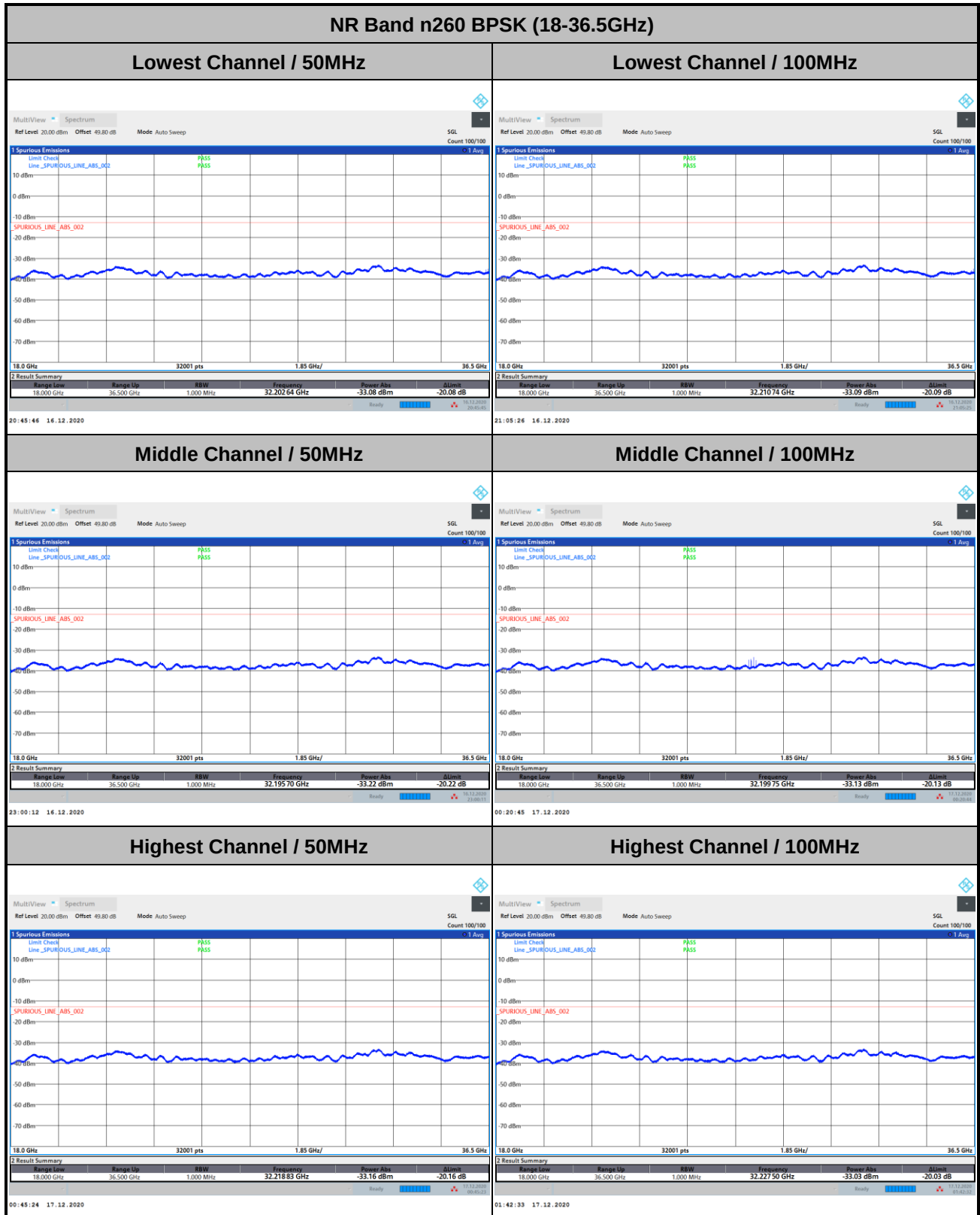
AG0 DFT-s-OFDM Module 0



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



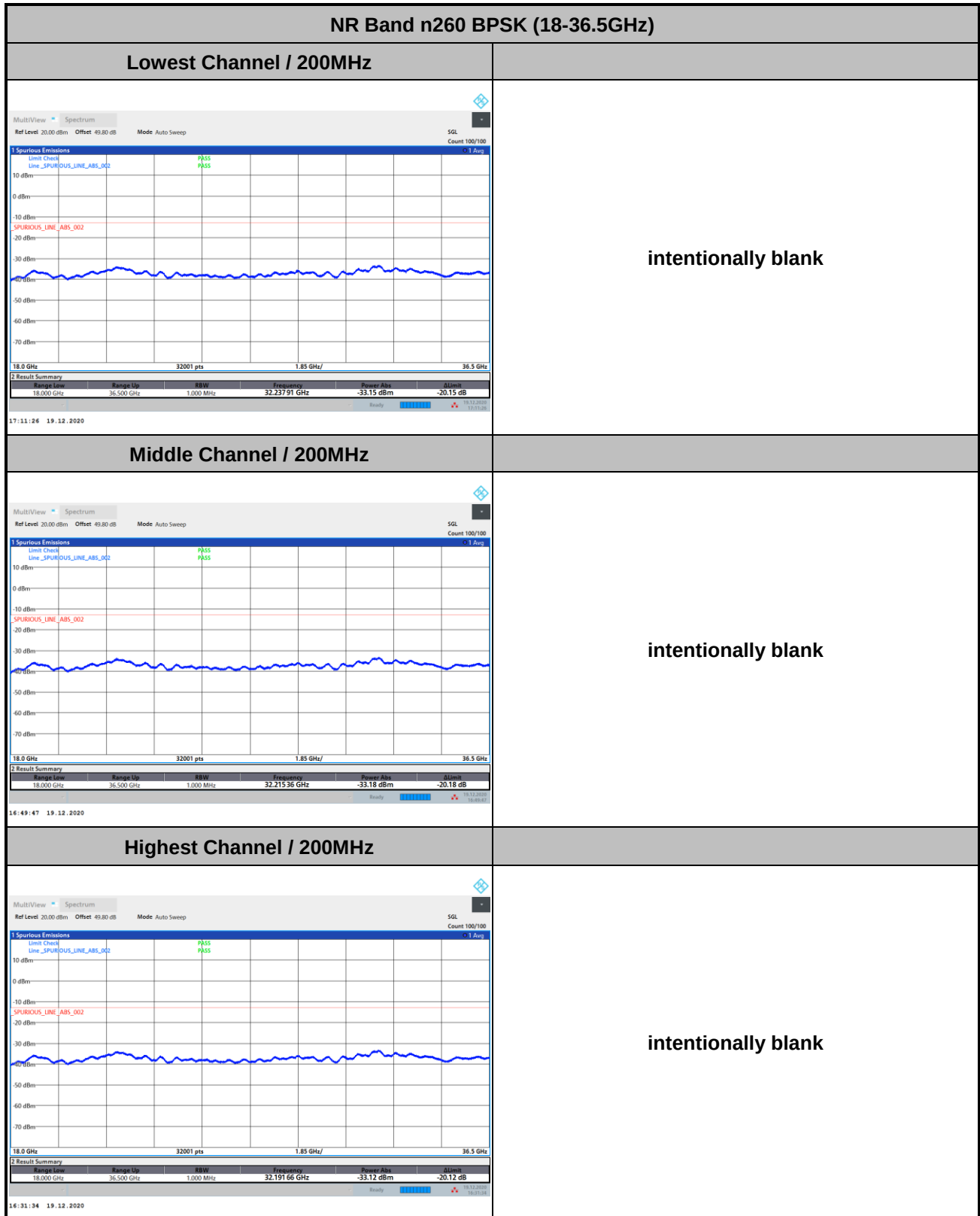
AG1 DFT-s-OFDM Module 0



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



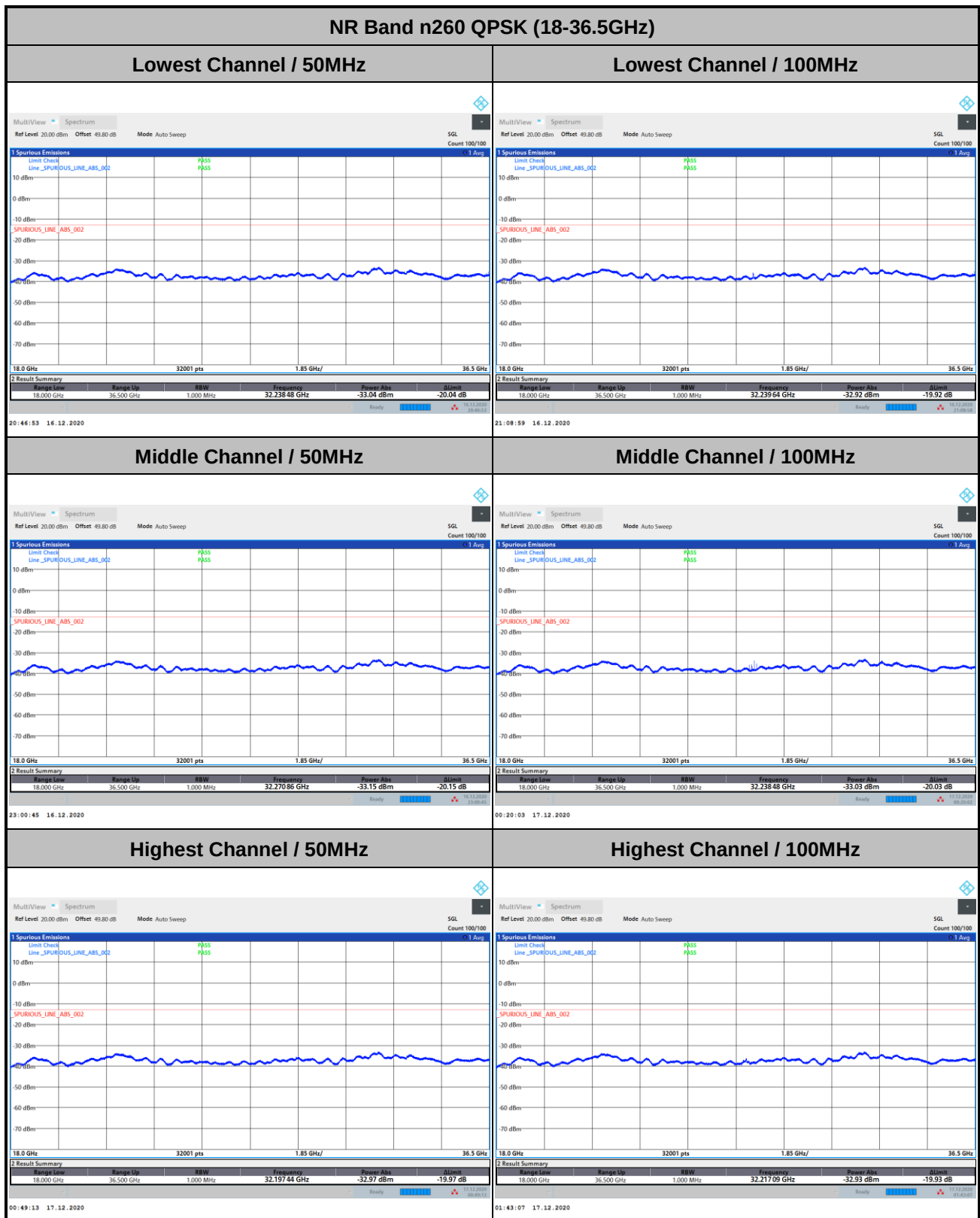
AG1 DFT-s-OFDM Module 0



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



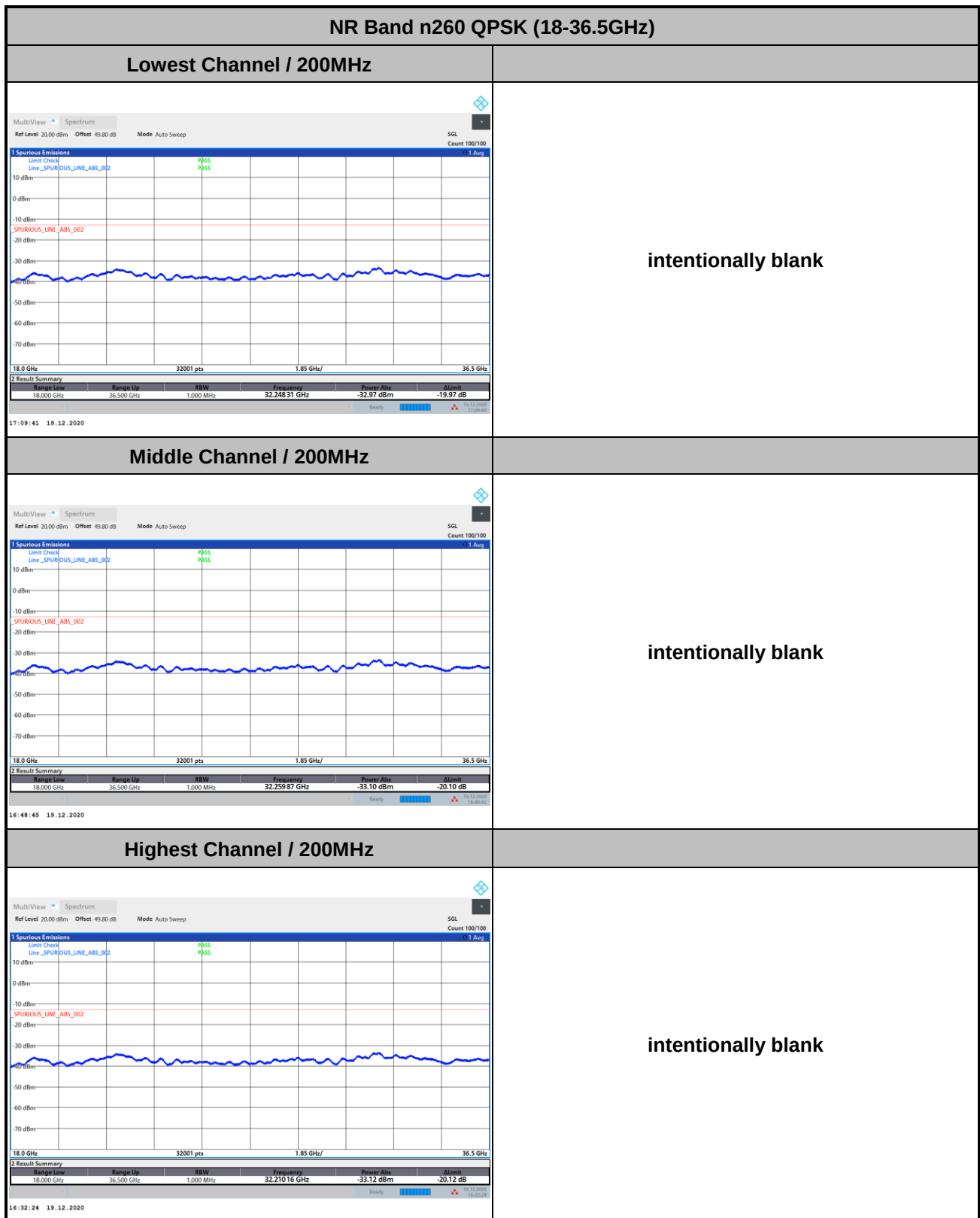
AG1 DFT-s-OFDM Module 0



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



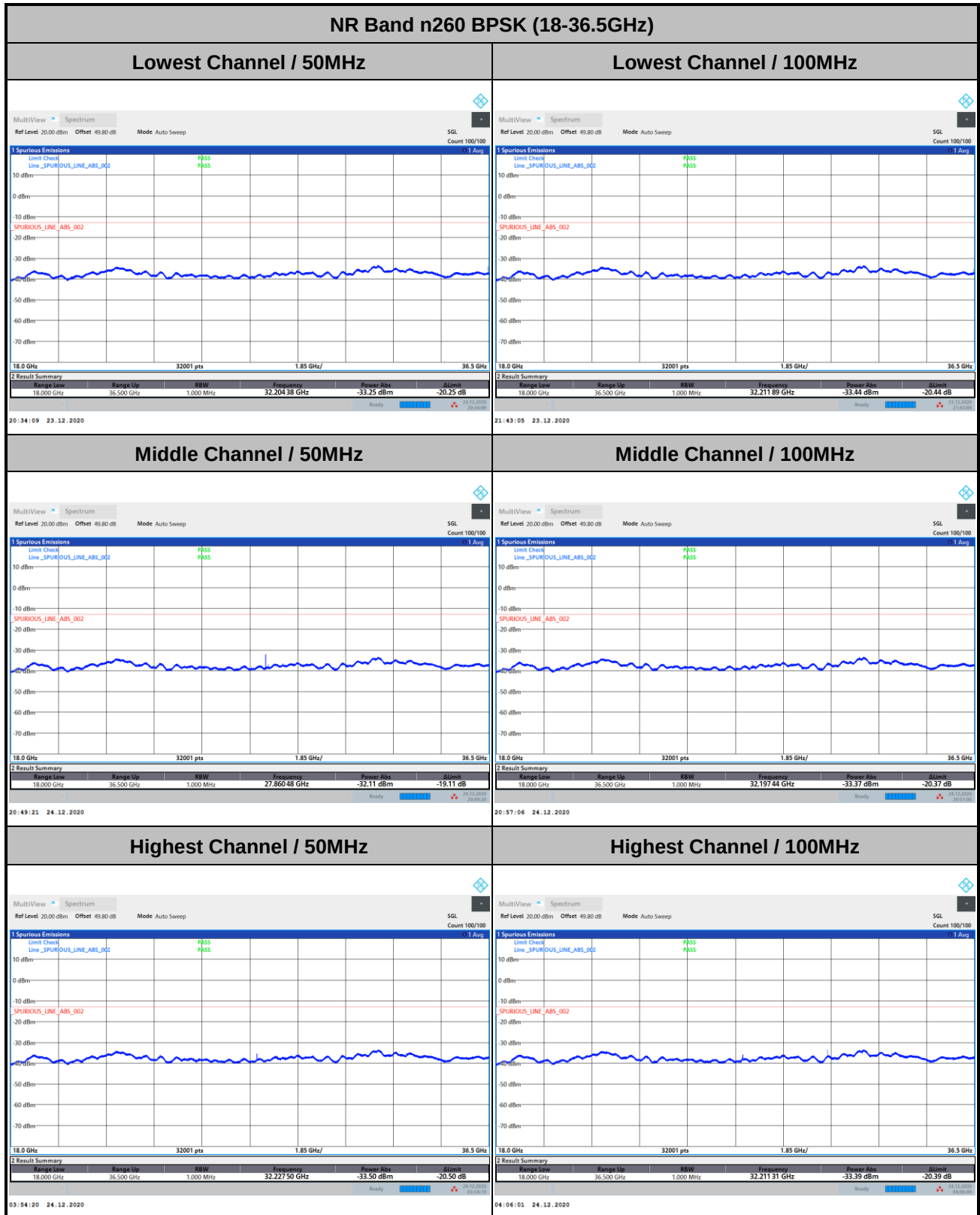
AG1 DFT-s-OFDM Module 0



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



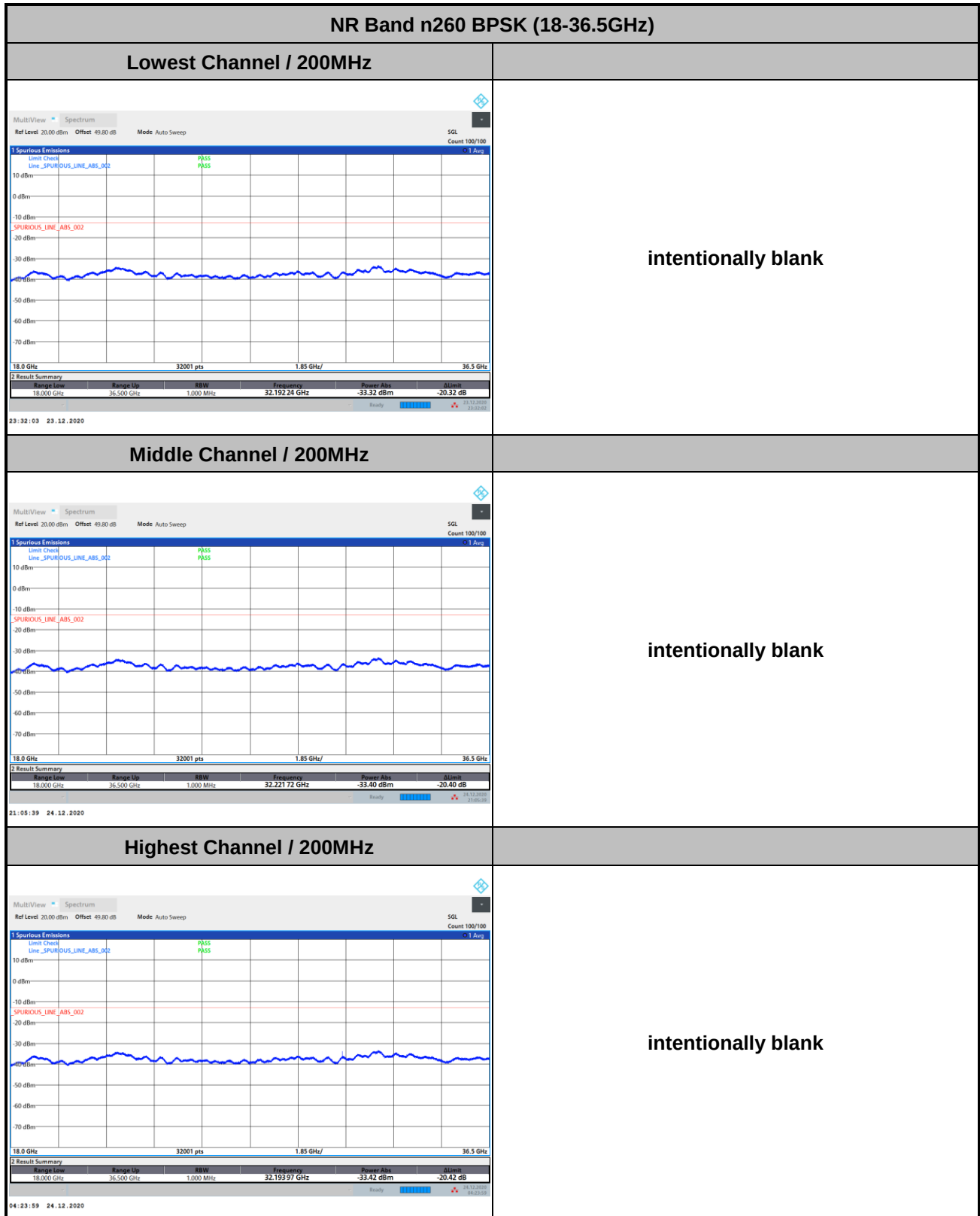
AG0+1 DFT-s-OFDM Module 0



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



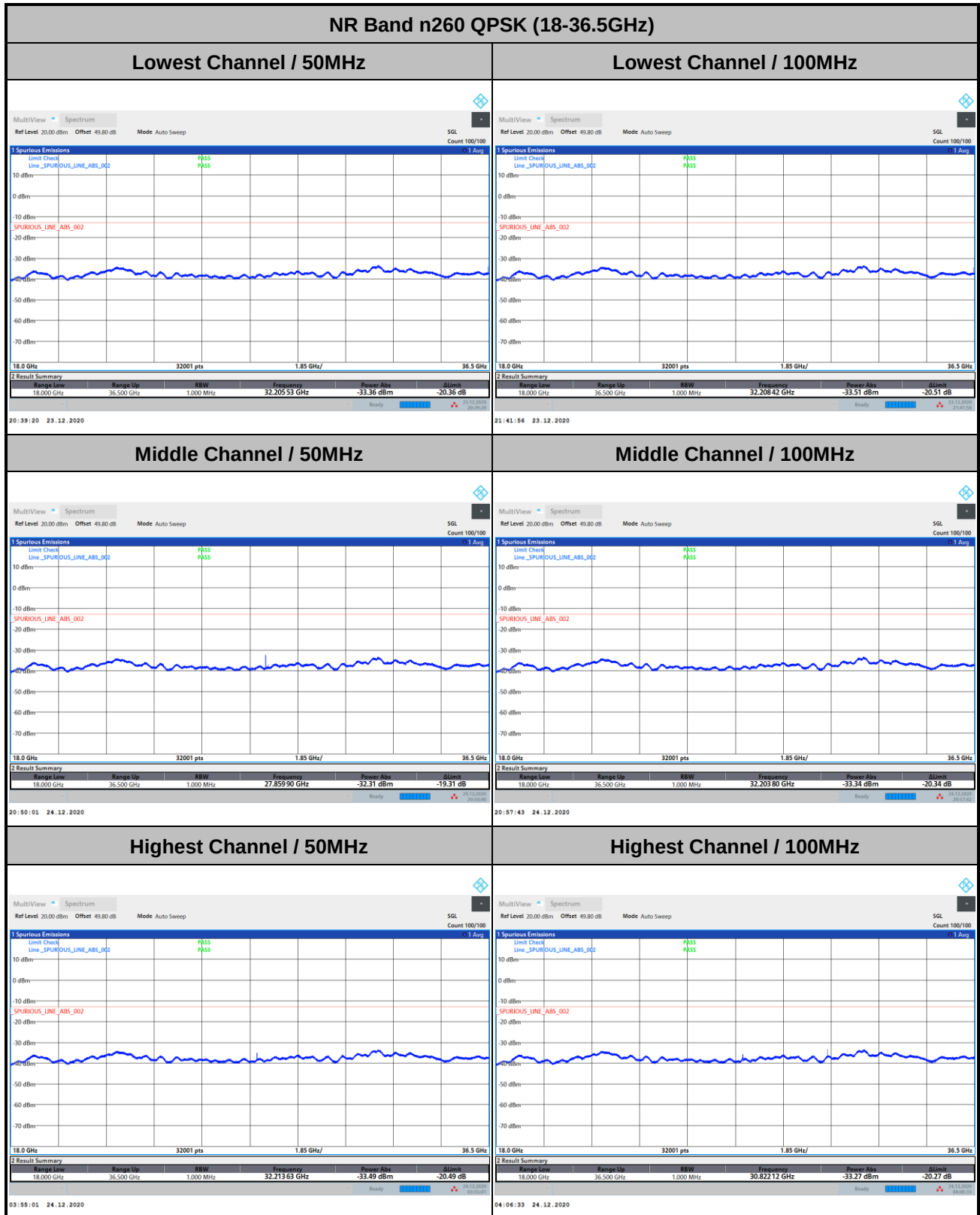
AG0+1 DFT-s-OFDM Module 0



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



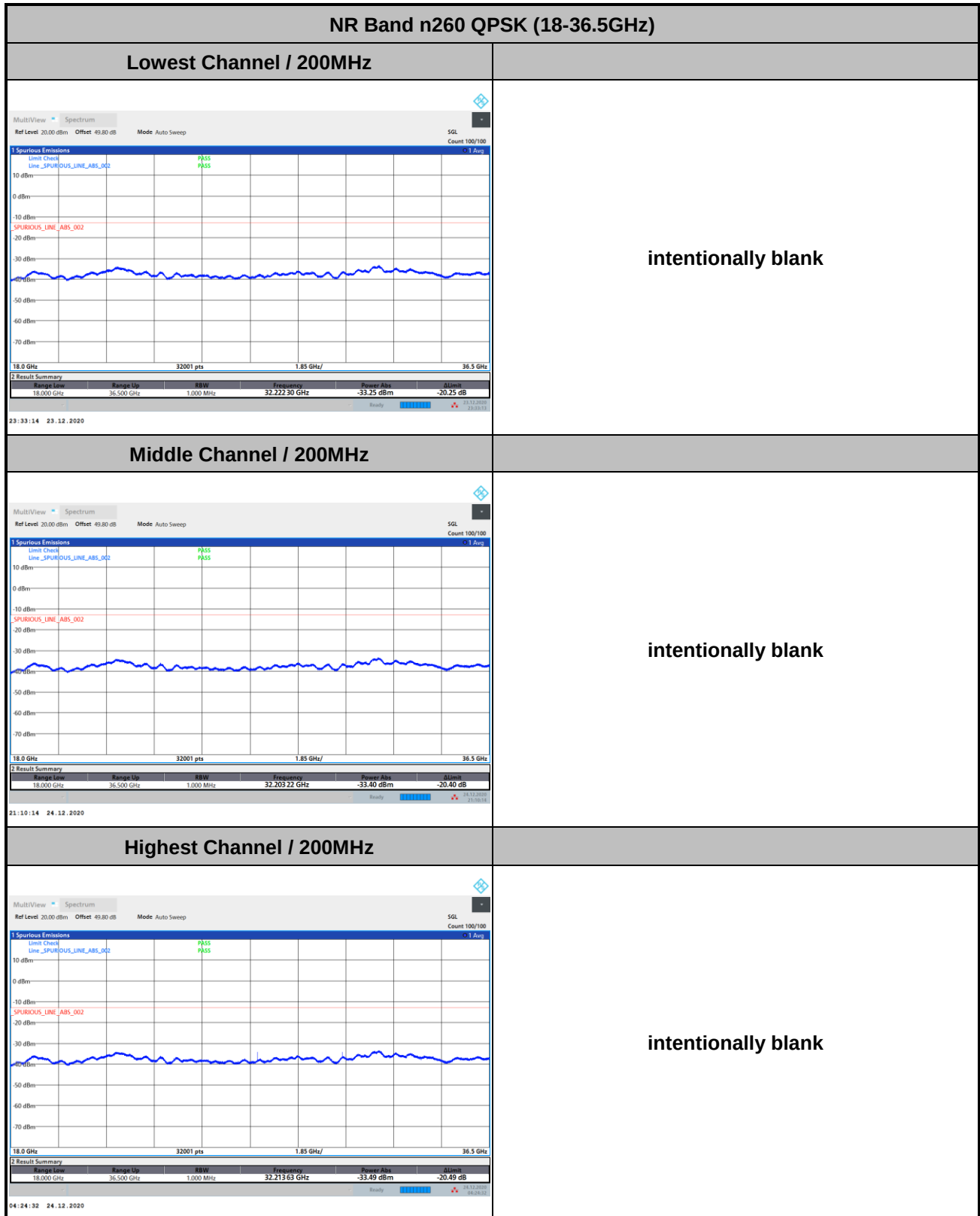
AG0+1 DFT-s-OFDM Module 0



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



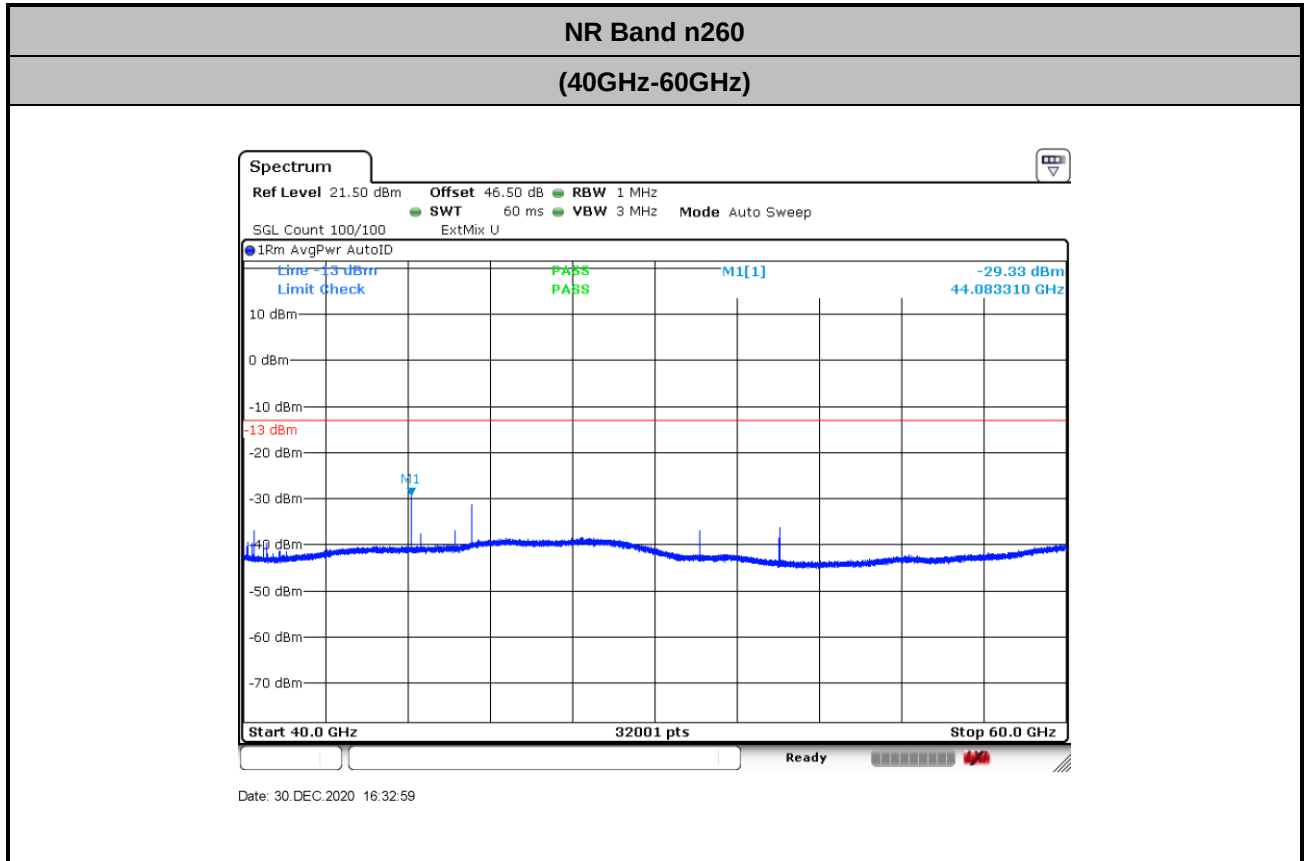
AG0+1 DFT-s-OFDM Module 0



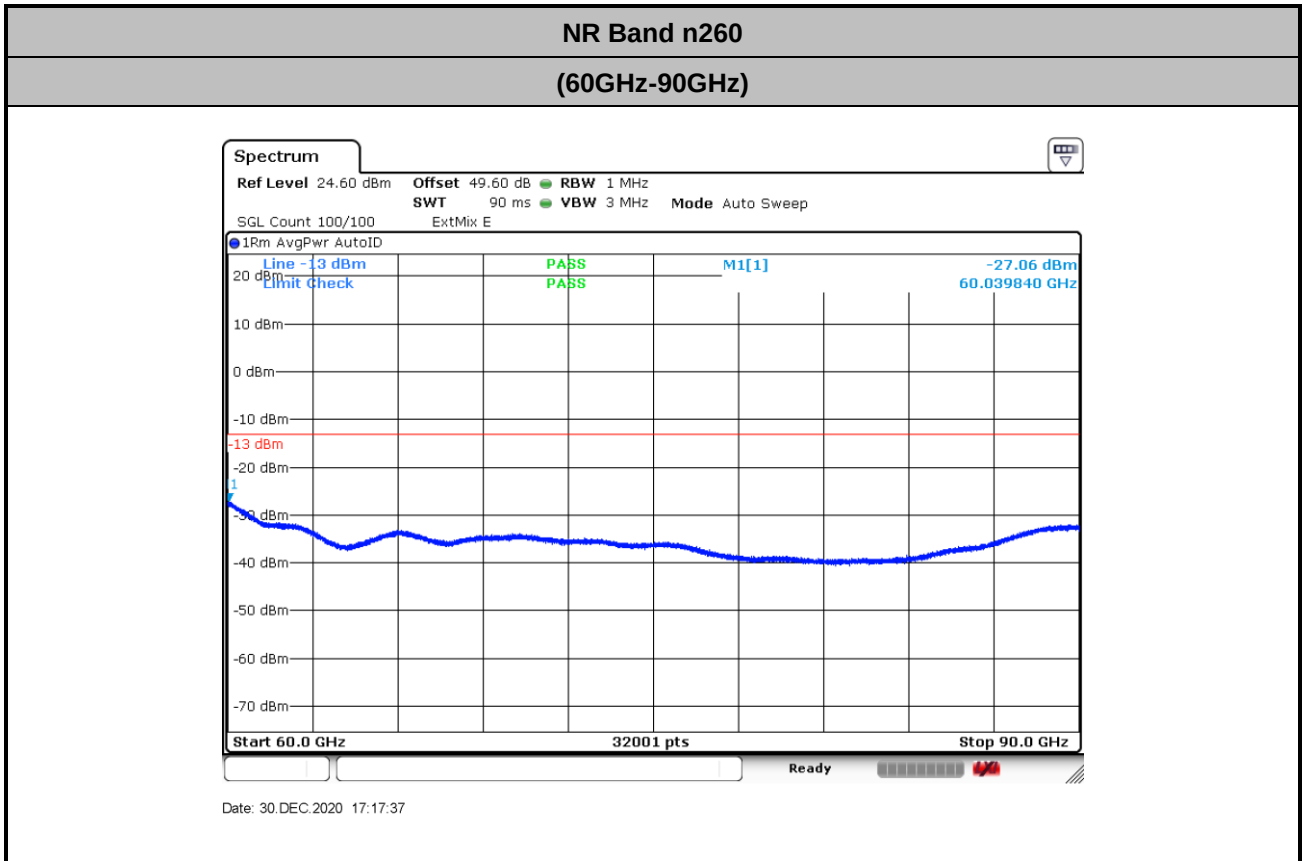
Remark: In band and out of band frequencies are omitted.



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



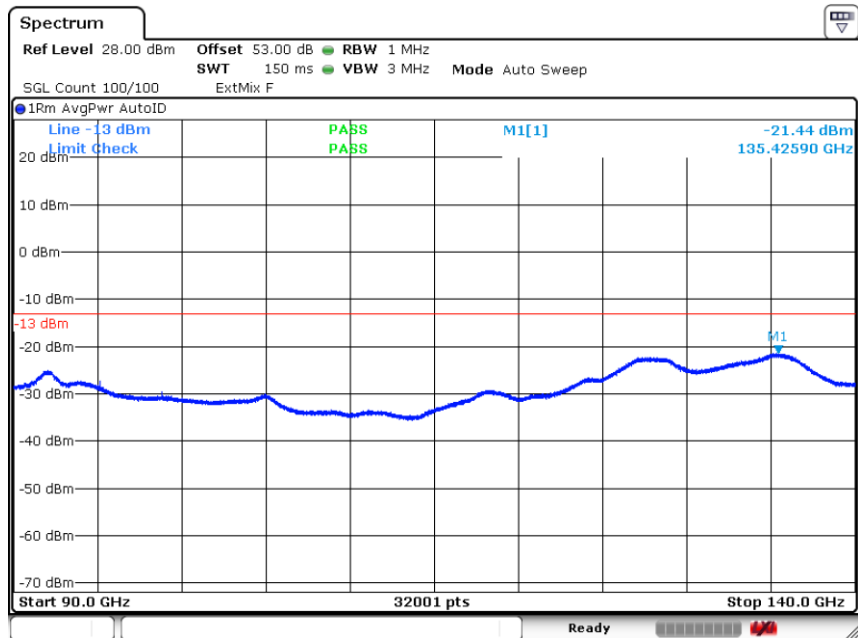
Remark: Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8
= 42.3 + 2 + 107 + 20log(1) – 104.8 = 46.5 (dB)



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

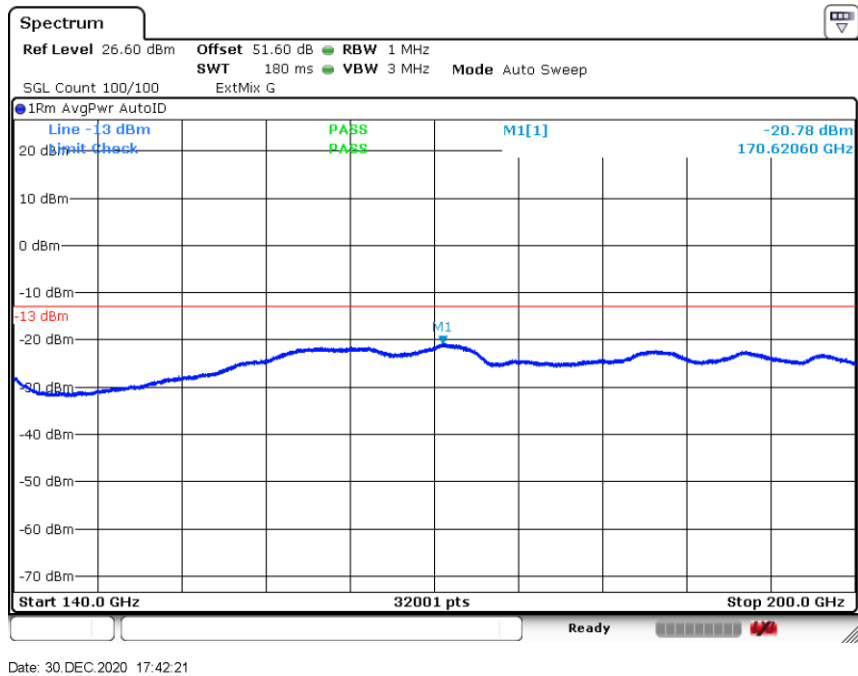
NR Band n260

(90GHz-140GHz)



Date: 30.DEC.2020 17:23:05

Remark: 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)


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

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	38.50020579	-207.290	5.384	Pass
40	Normal Voltage	38.50014436	-145.860	3.789	
30	Normal Voltage	38.50009241	-93.910	2.439	
20(Ref.)	Normal Voltage	38.4999985	0.000	0.000	
10	Normal Voltage	38.49996204	36.460	0.947	
0	Normal Voltage	38.49991459	83.910	2.179	
-10	Normal Voltage	38.49986513	133.370	3.464	
-20	Normal Voltage	38.49984815	150.350	3.905	
-30	Normal Voltage	38.49982867	169.830	4.411	
20	Maximum Voltage	38.50000999	-11.490	0.298	
20	Normal Voltage	38.500005	-6.500	0.169	
20	Battery End Point	38.49999301	5.490	0.143	

Note:

1. Normal Voltage =7.74 V. ; Battery End Point (BEP) =7.2 V. ; Maximum Voltage =8.9 V.
2. The frequency fundamental emissions stay within the operation band.

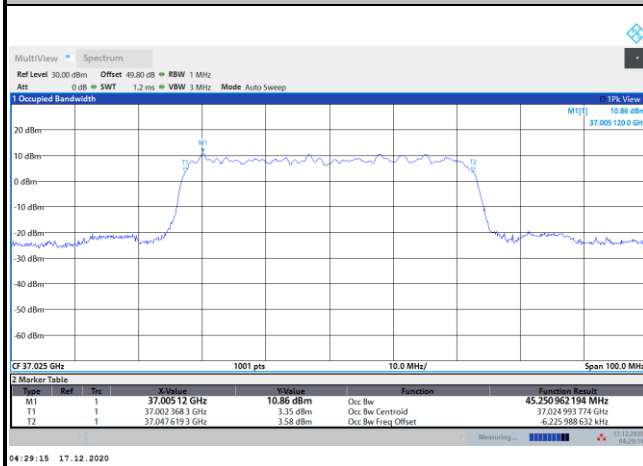
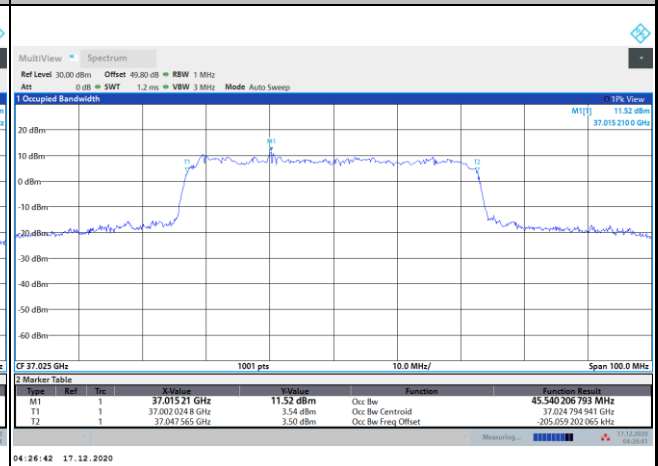
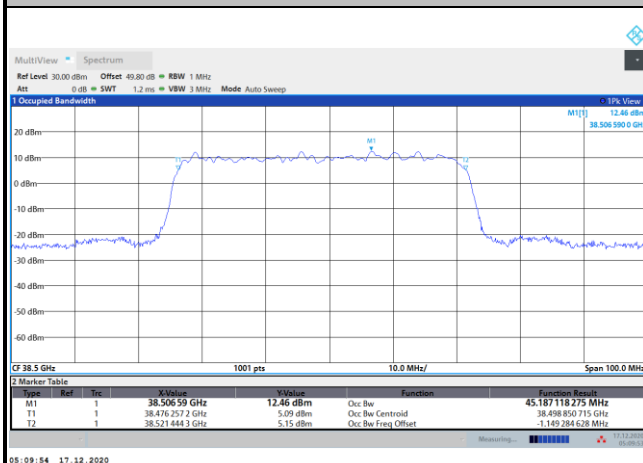
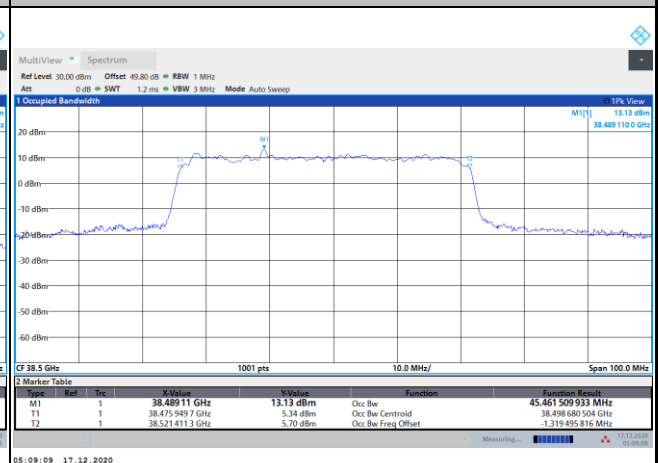
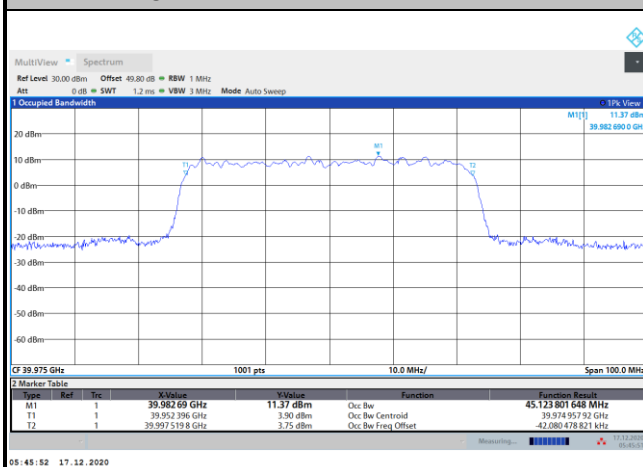
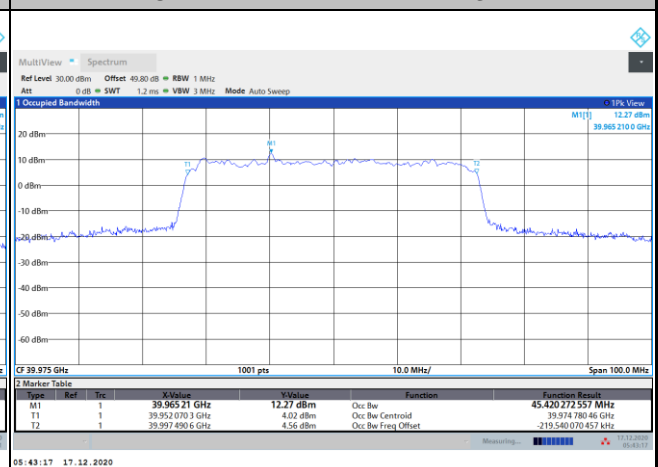


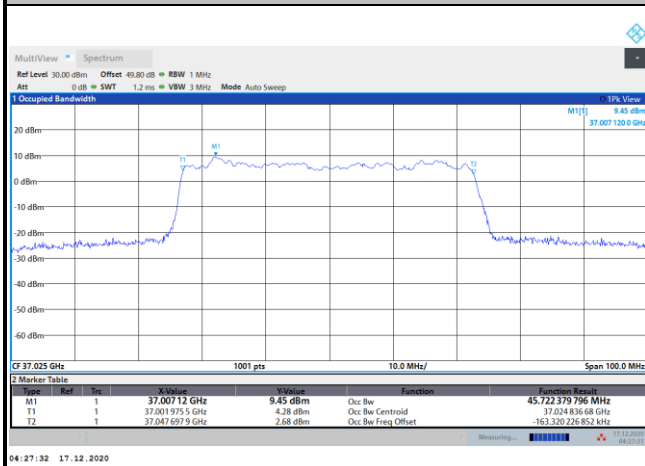
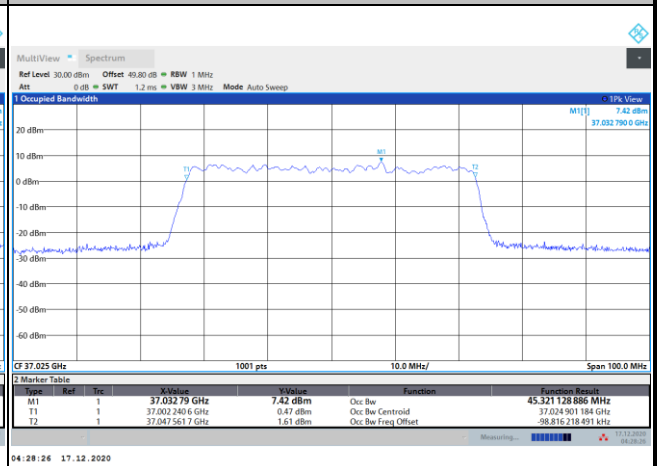
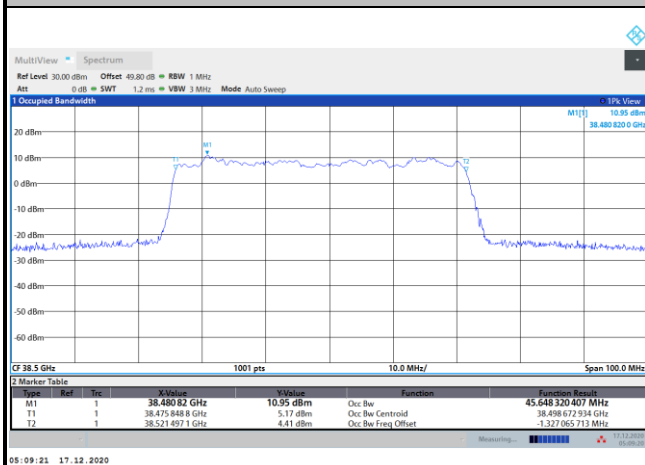
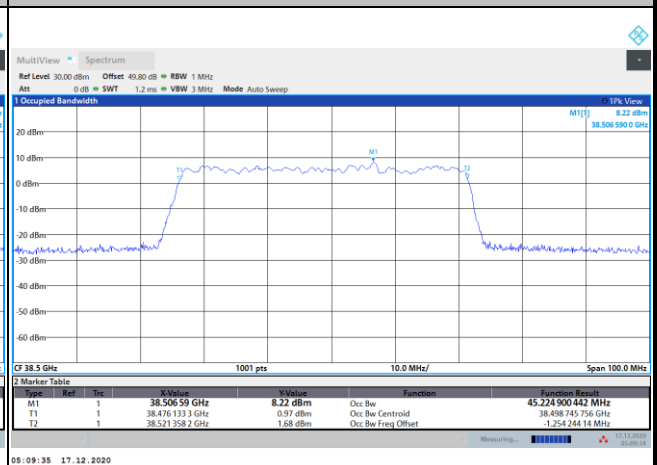
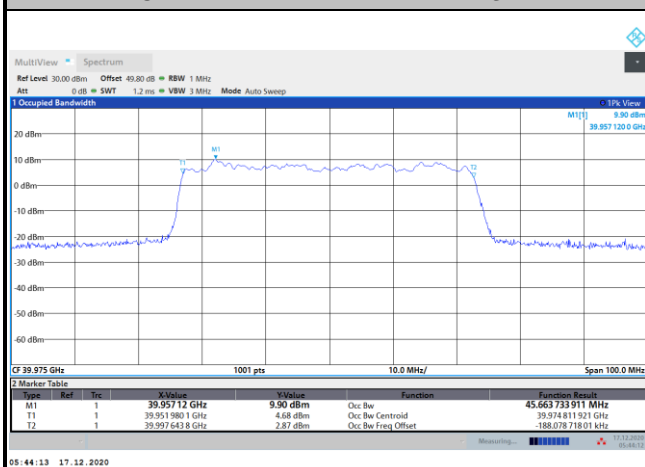
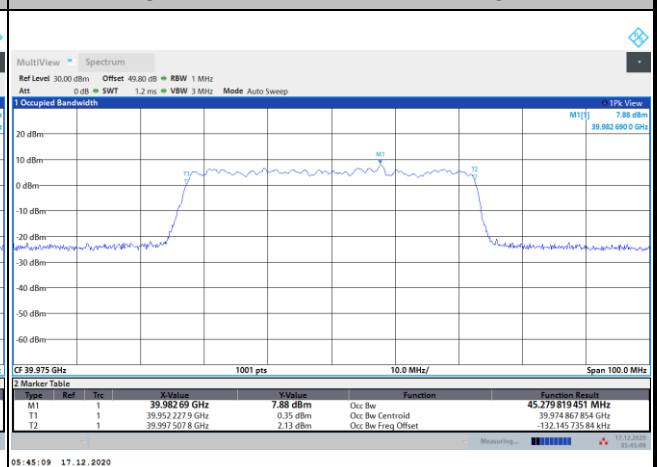
NR Band n260 Module 1

Occupied Bandwidth

AG0

Mode	DFT-s-OFDM Module 1 NR Band n260 : 99%OBW(MHz)											
BW	50MHz				100MHz				200MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.25	45.54	45.72	45.32	90.51	90.70	90.63	90.72	188.56	188.89	188.93	189.17
Middle CH	45.18	45.46	45.64	45.22	90.38	90.35	90.34	90.58	187.97	188.17	188.26	188.56
Highest CH	45.12	45.42	45.66	45.27	90.48	90.52	90.55	90.77	188.46	188.78	189.21	189.42

DFT-s-OFDM Module 1
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


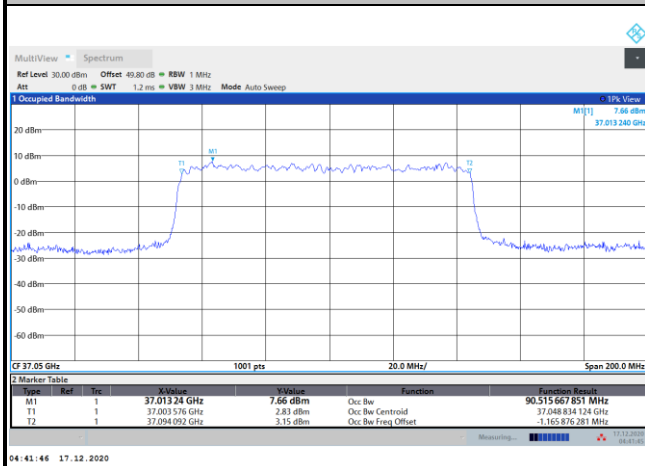
DFT-s-OFDM Module 1
NR Band n260
Lowest Channel / 50MHz / 16QAM

Lowest Channel / 50MHz / 64QAM

Middle Channel / 50MHz / 16QAM

Middle Channel / 50MHz / 64QAM

Highest Channel / 50MHz / 16QAM

Highest Channel / 50MHz / 64QAM




DFT-s-OFDM Module 1

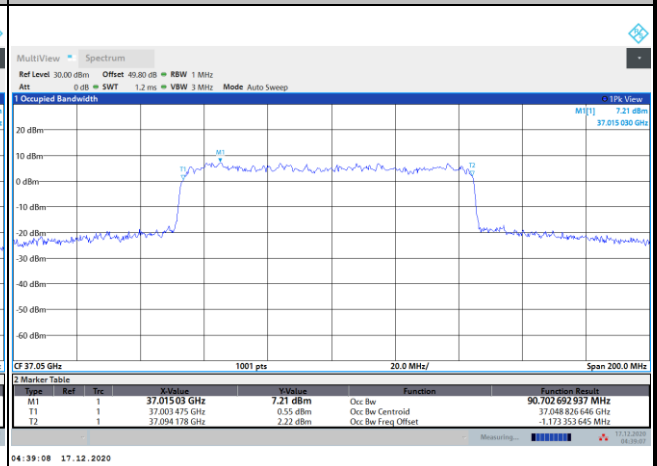
NR Band n260

Lowest Channel / 100MHz / BPSK



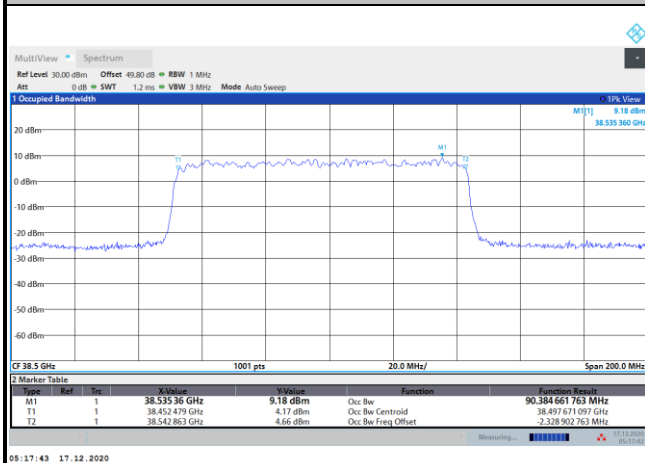
04:41:46 17.12.2020

Lowest Channel / 100MHz / QPSK



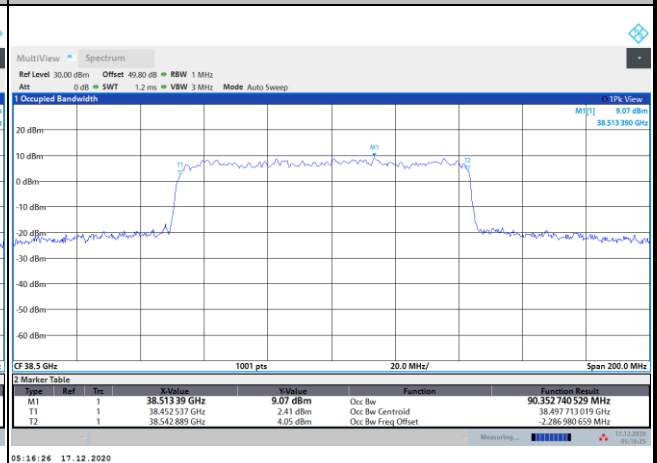
04:39:08 17.12.2020

Middle Channel / 100MHz / BPSK



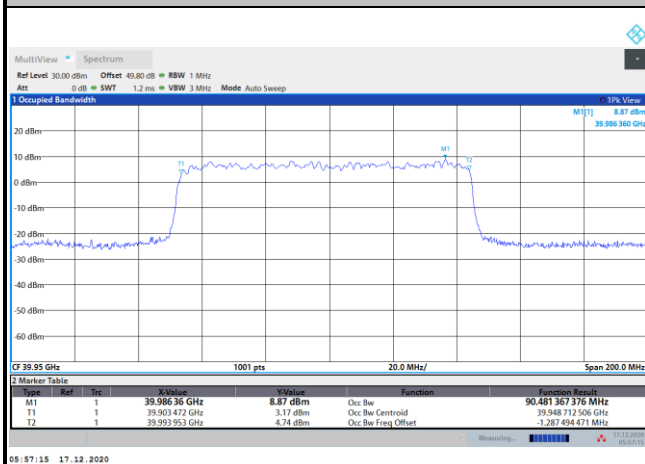
05:17:43 17.12.2020

Middle Channel / 100MHz / QPSK



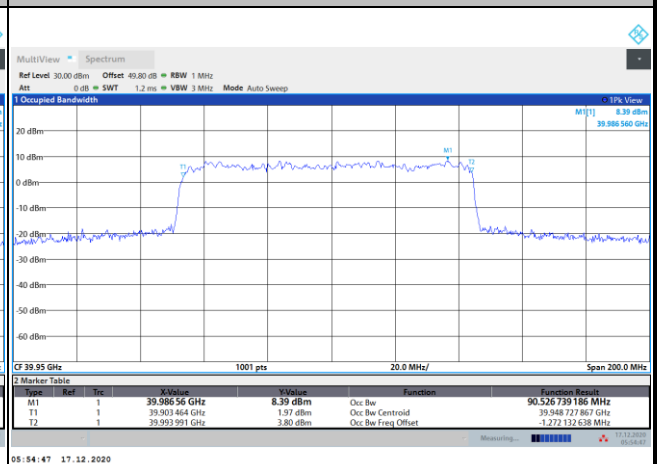
05:16:26 17.12.2020

Highest Channel / 100MHz / BPSK



05:57:15 17.12.2020

Highest Channel / 100MHz / QPSK



05:54:47 17.12.2020



DFT-s-OFDM Module 1

