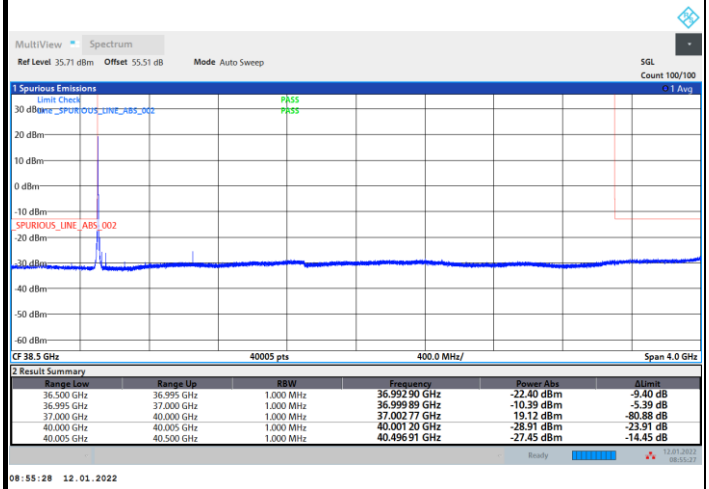
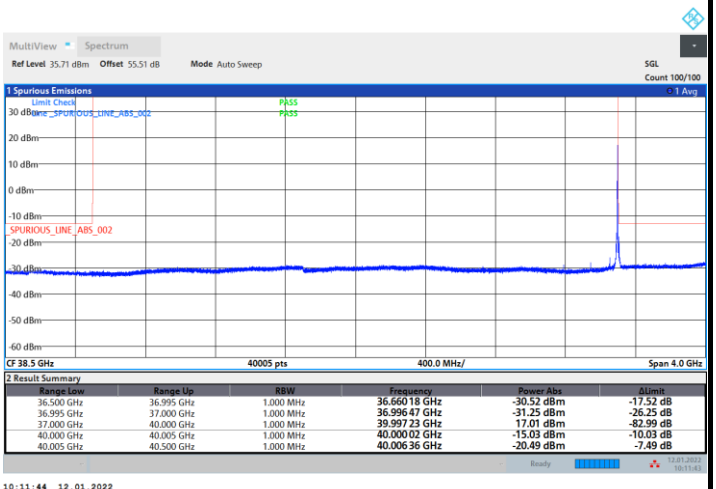
CP-OFDM Module 0

NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / 1 RB

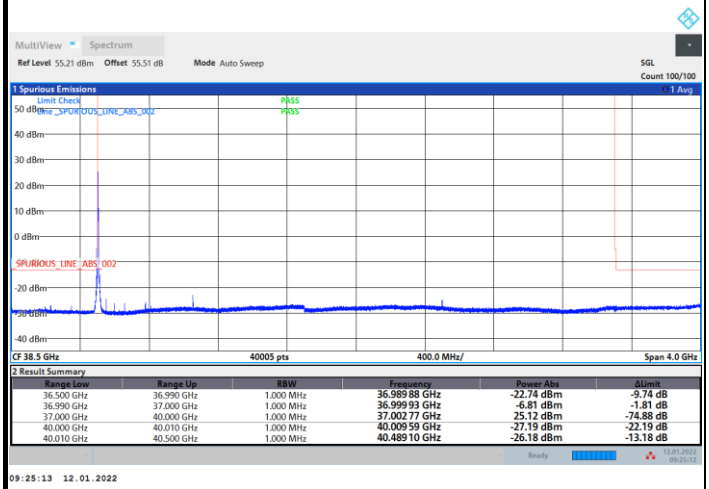


Highest Band Edge / 1 RB

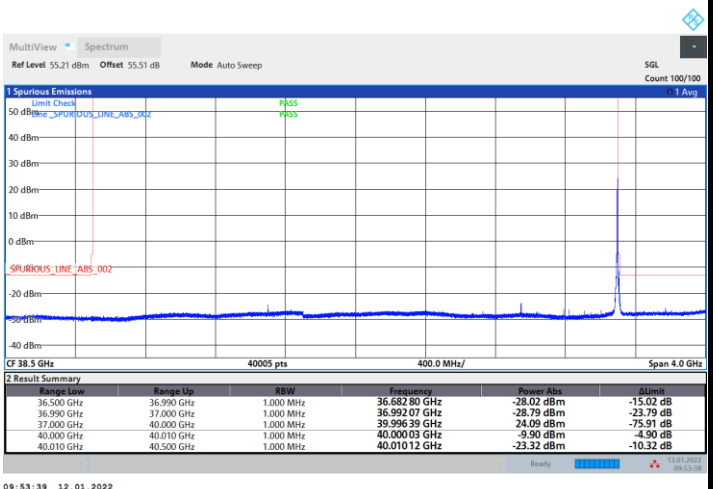


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB



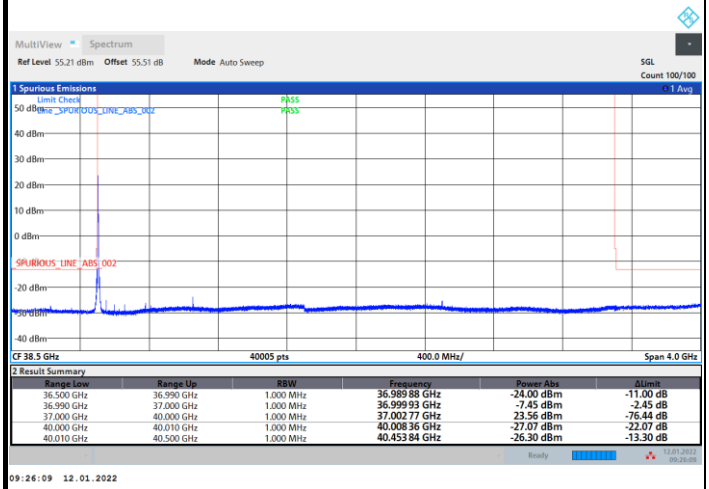
Highest Band Edge / 1 RB



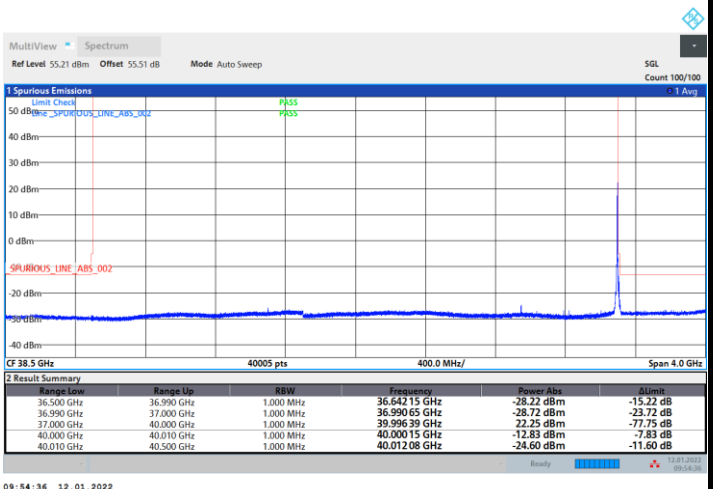
CP-OFDM Module 0

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / 1 RB

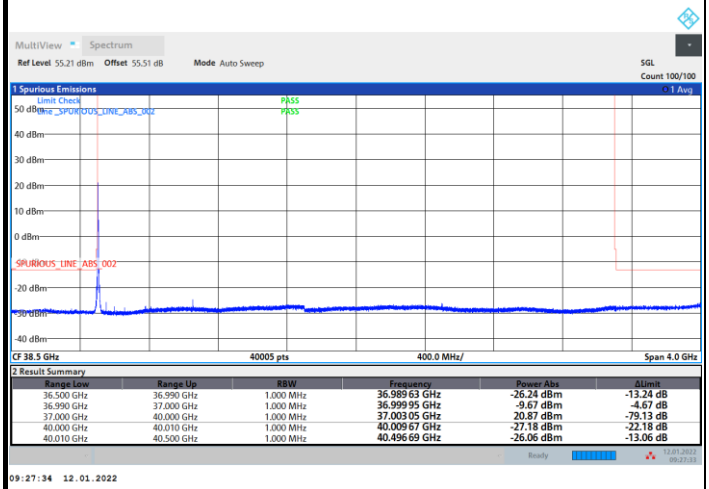


Highest Band Edge / 1 RB

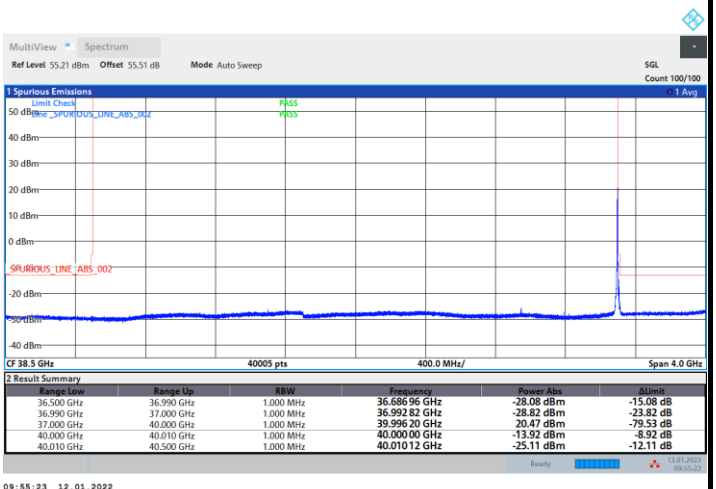


NR Band n260 / 100MHz / 64QAM

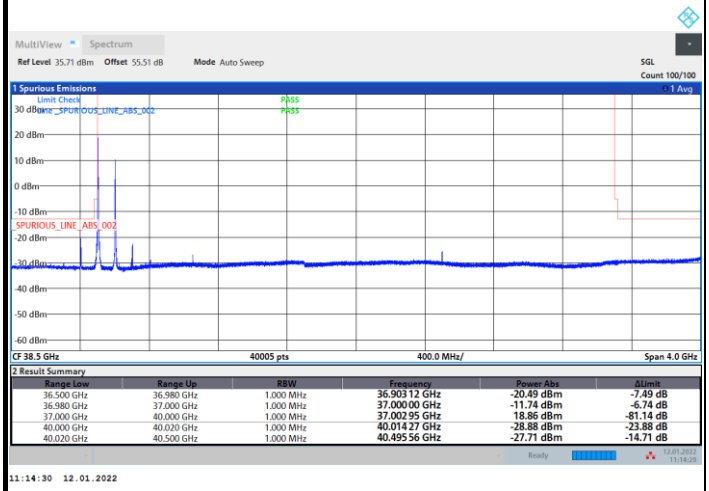
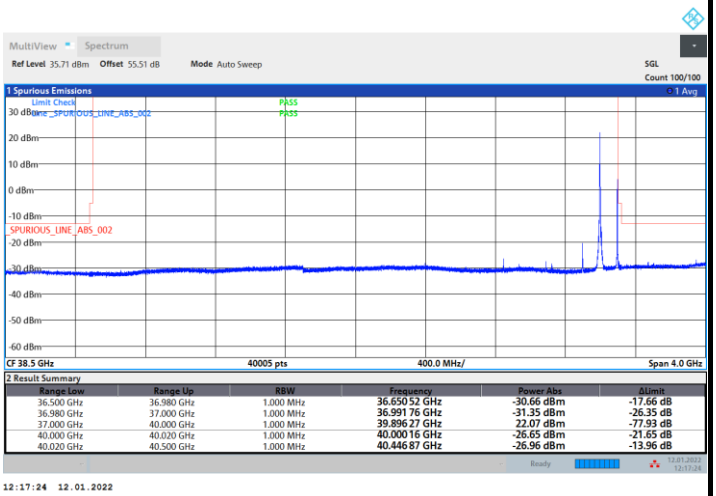
Lowest Band Edge / 1 RB

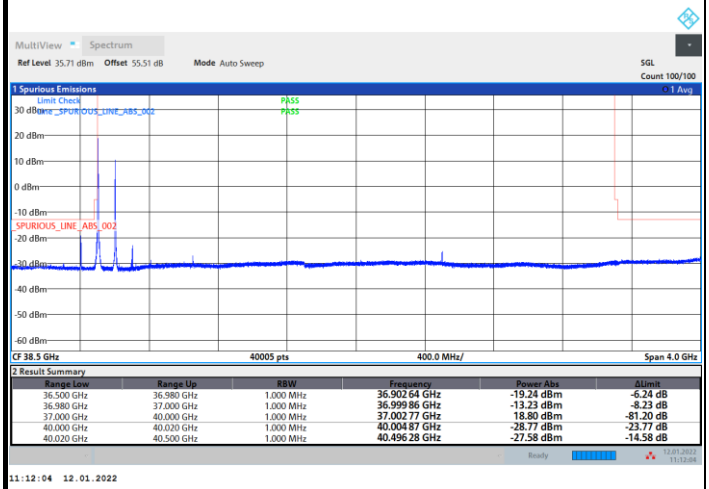
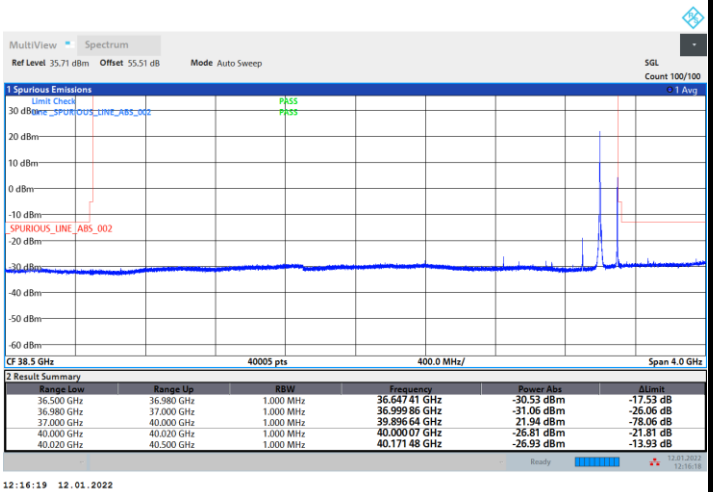


Highest Band Edge / 1 RB

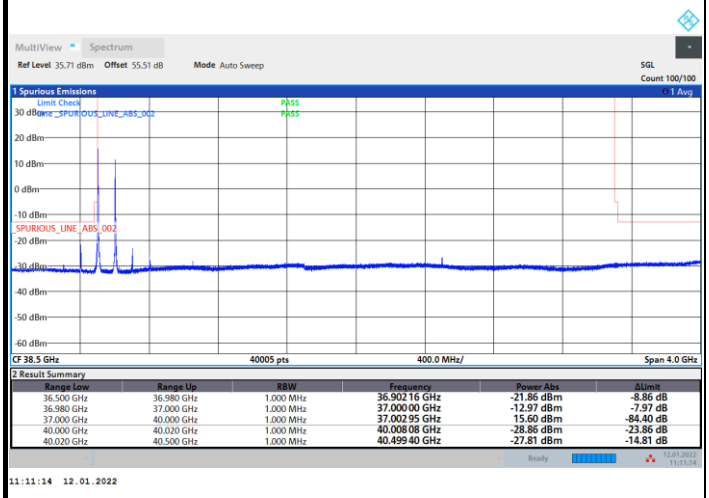
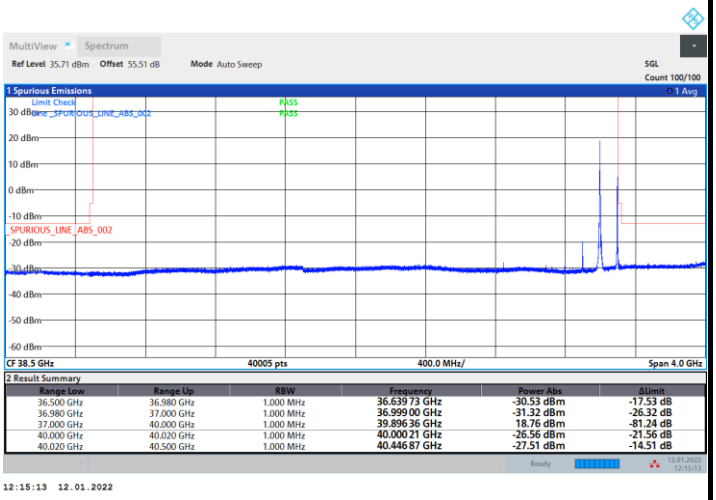


CP-OFDM Module 0

NR Band n260 / 200MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	

NR Band n260 / 200MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	

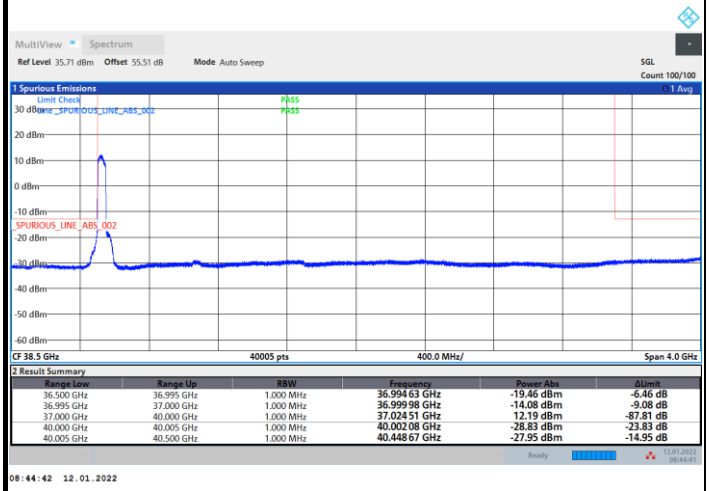
CP-OFDM Module 0

NR Band n260 / 200MHz / 64QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	

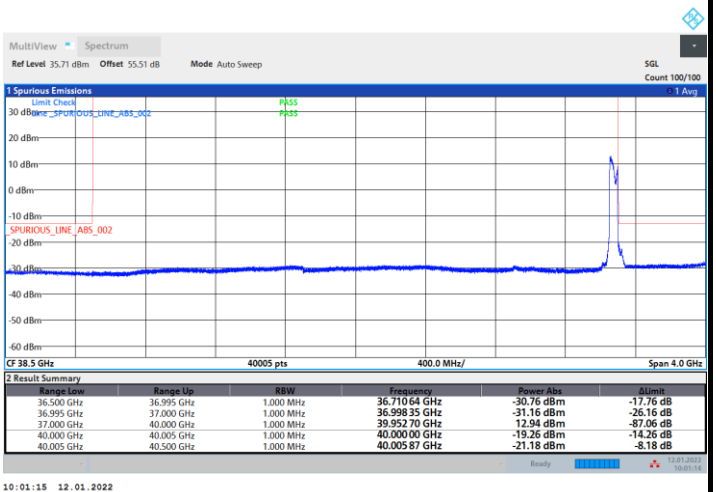
DFT-s-OFDM Module 0

NR Band n260 / 50MHz / BPSK

Lowest Band Edge / Full RB

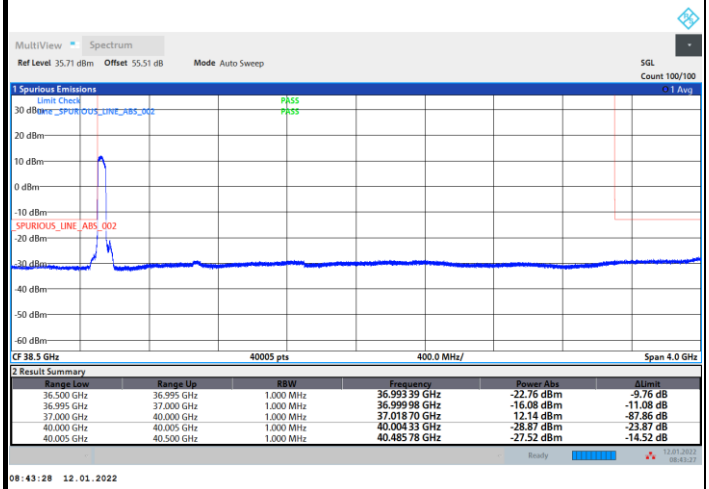


Highest Band Edge / Full RB

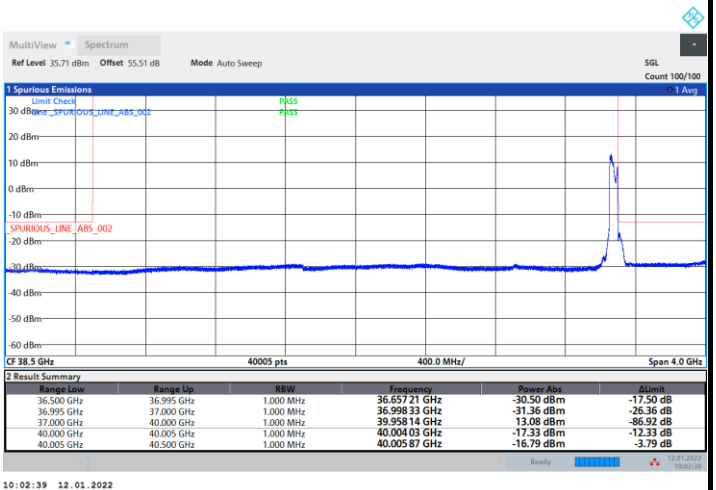


NR Band n260 / 50MHz / QPSK

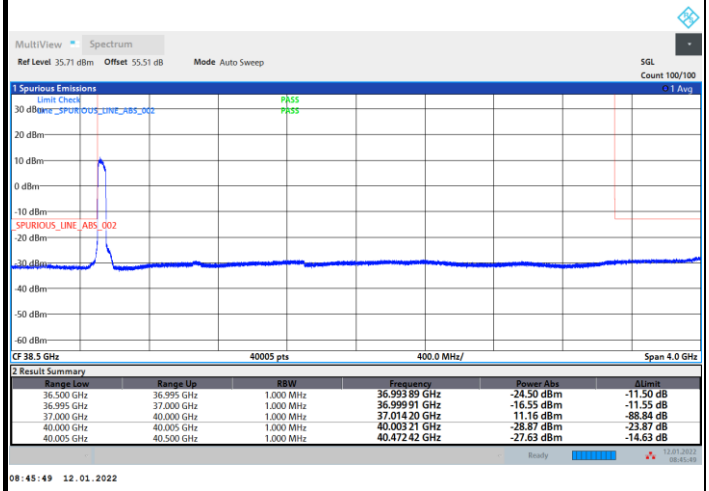
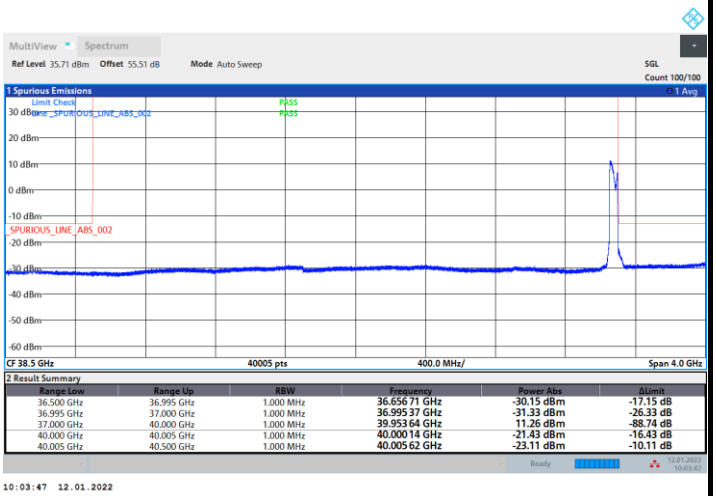
Lowest Band Edge / Full RB

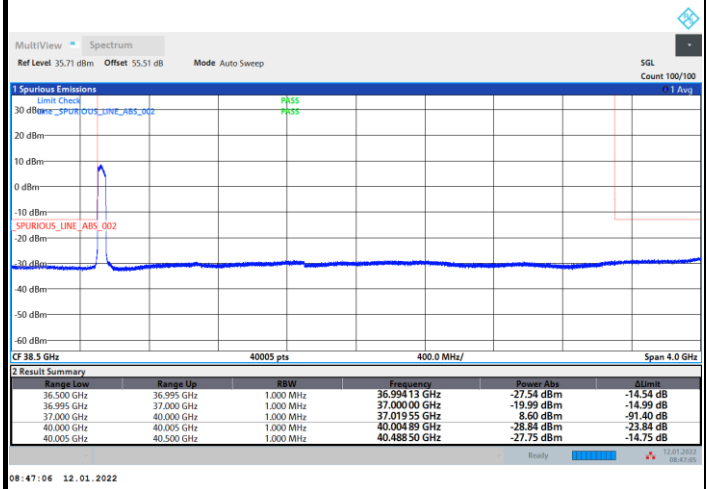
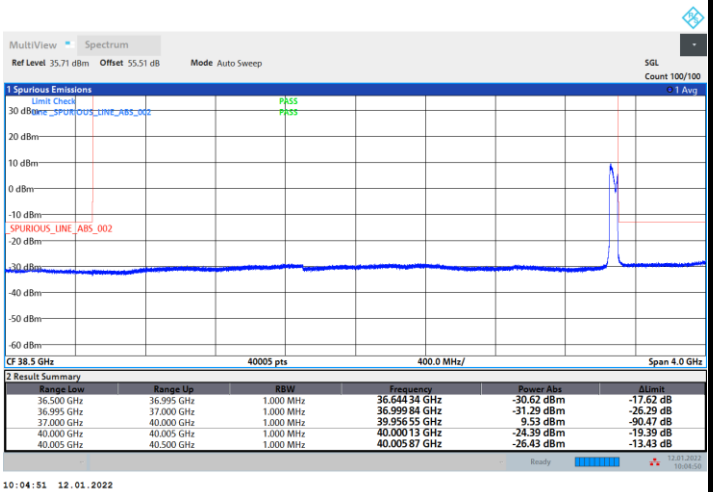


Highest Band Edge / Full RB



DFT-s-OFDM Module 0

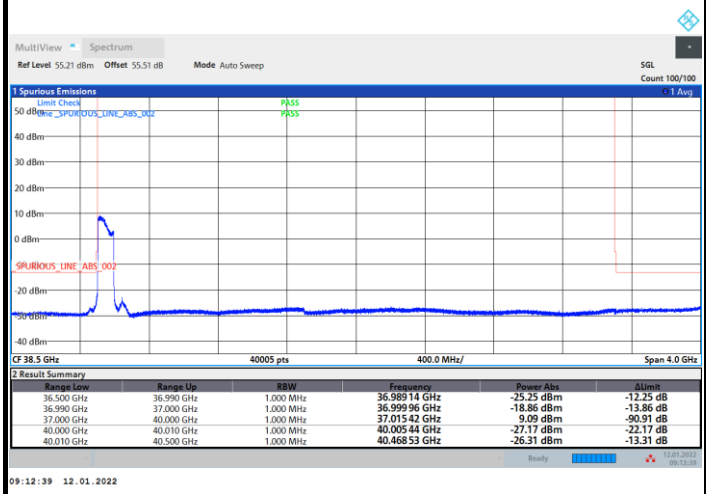
NR Band n260 / 50MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

NR Band n260 / 50MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

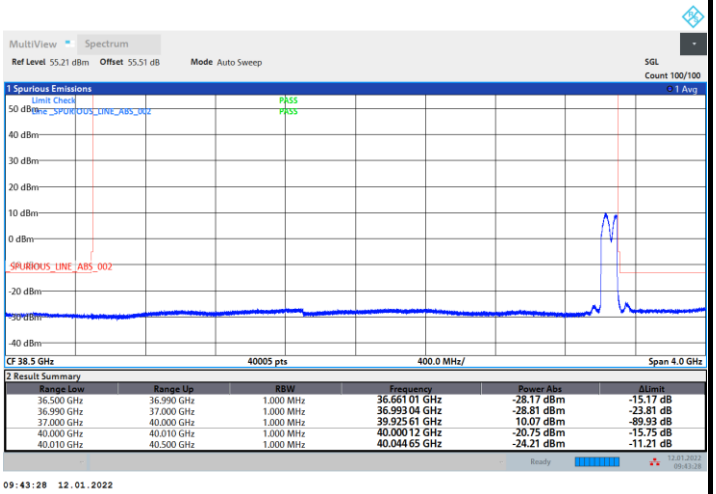
DFT-s-OFDM Module 0

NR Band n260 / 100MHz / BPSK

Lowest Band Edge / Full RB

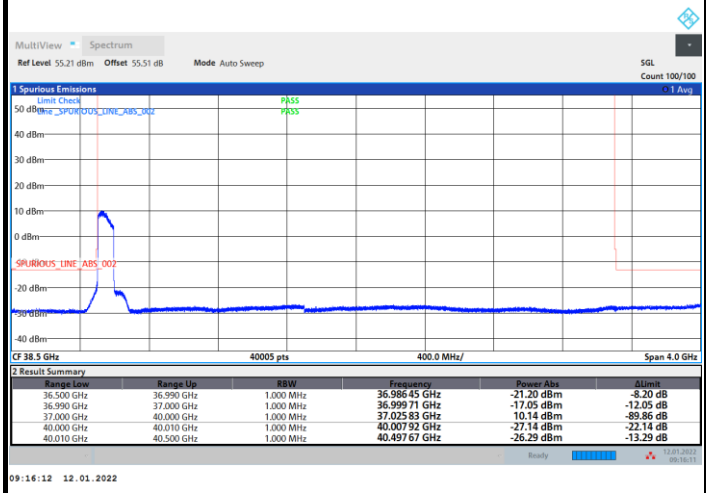


Highest Band Edge / Full RB

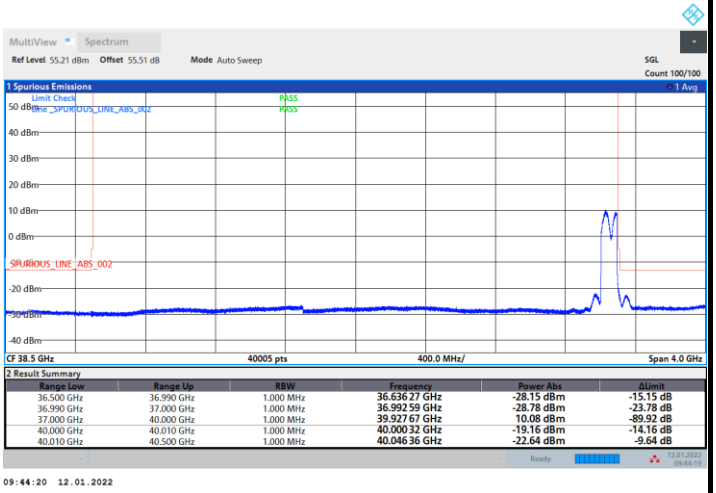


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



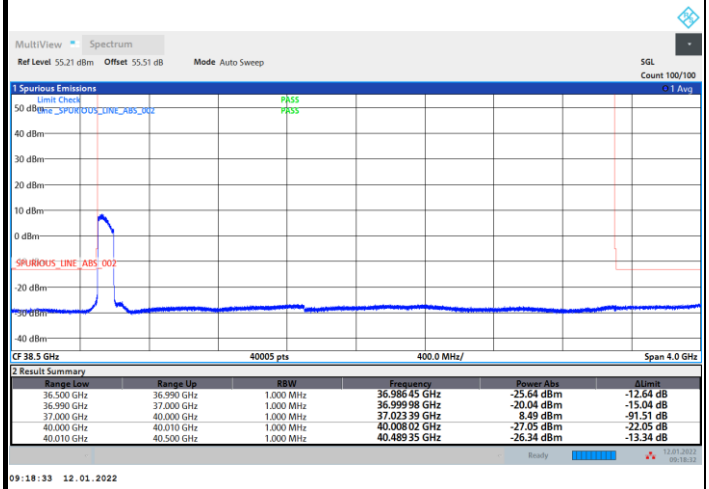
Highest Band Edge / Full RB



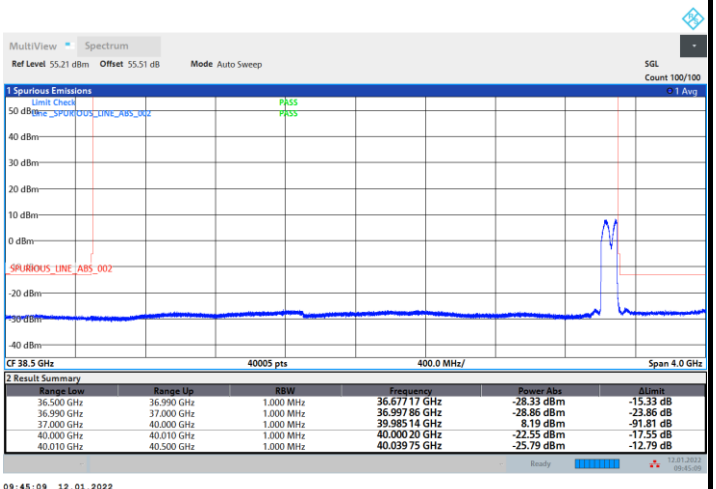
DFT-s-OFDM Module 0

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB

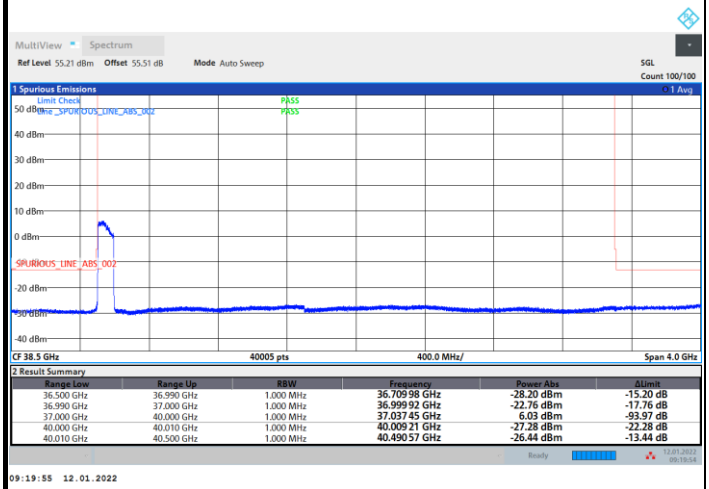


Highest Band Edge / Full RB

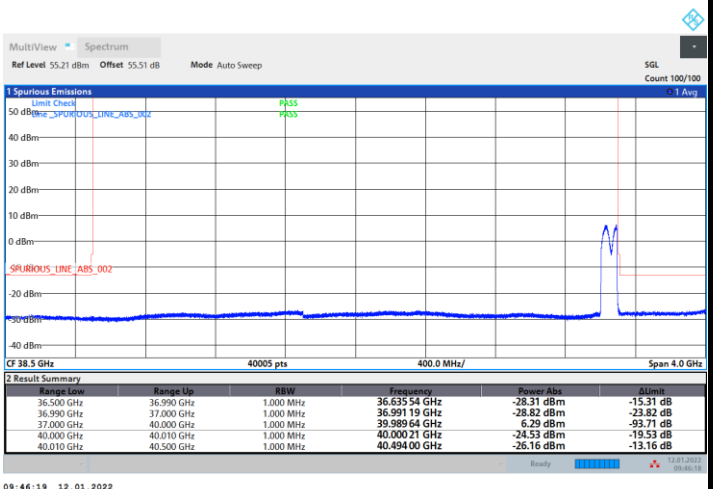


NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



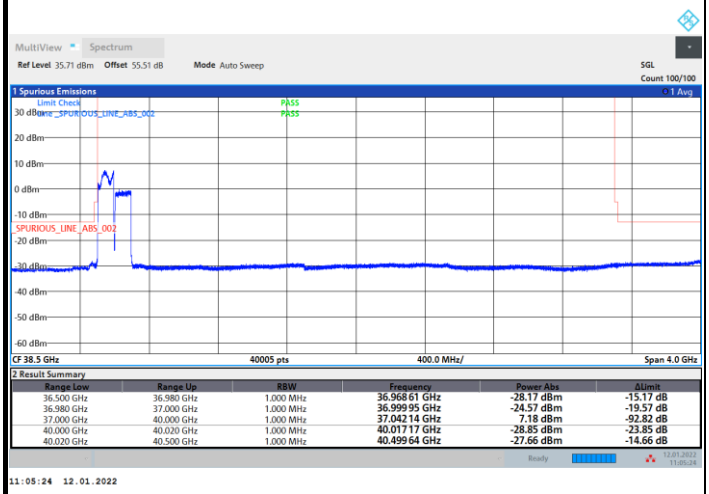
Highest Band Edge / Full RB



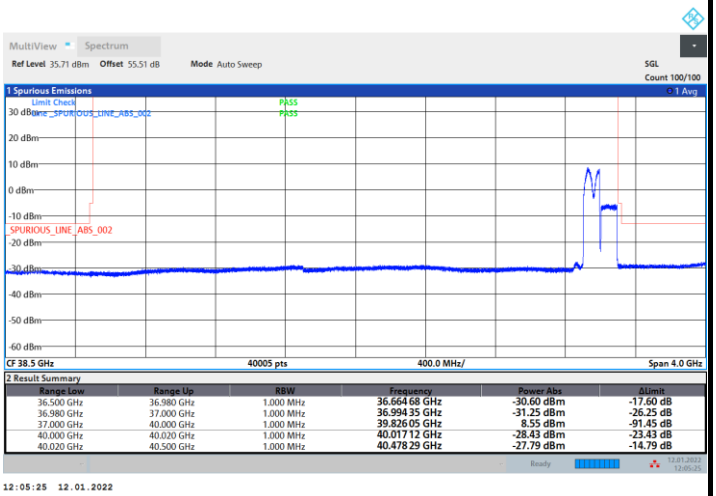
DFT-s-OFDM Module 0

NR Band n260 / 200MHz / BPSK

Lowest Band Edge / Full RB

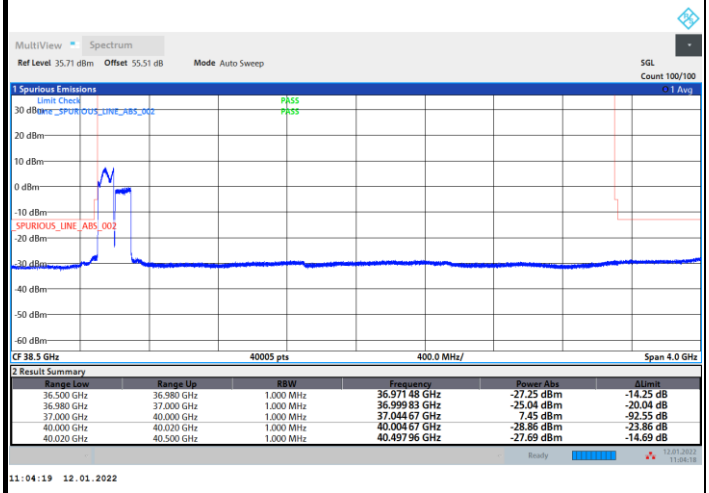


Highest Band Edge / Full RB

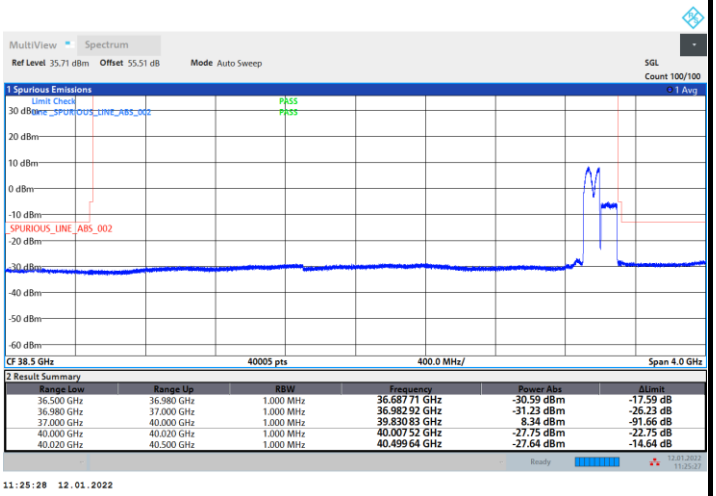


NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



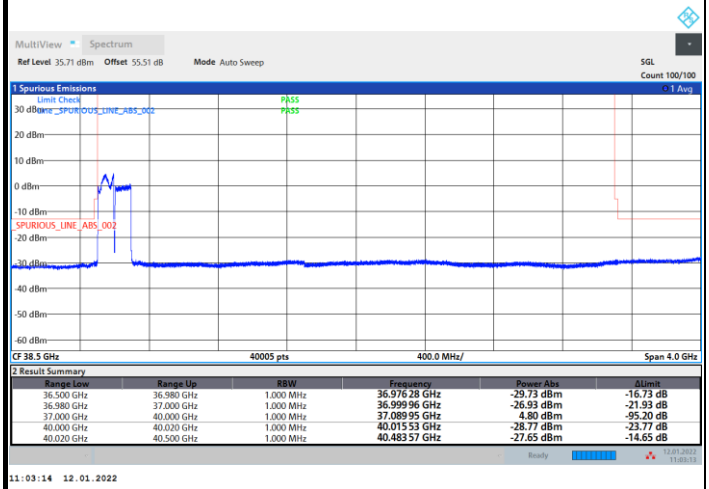
Highest Band Edge / Full RB



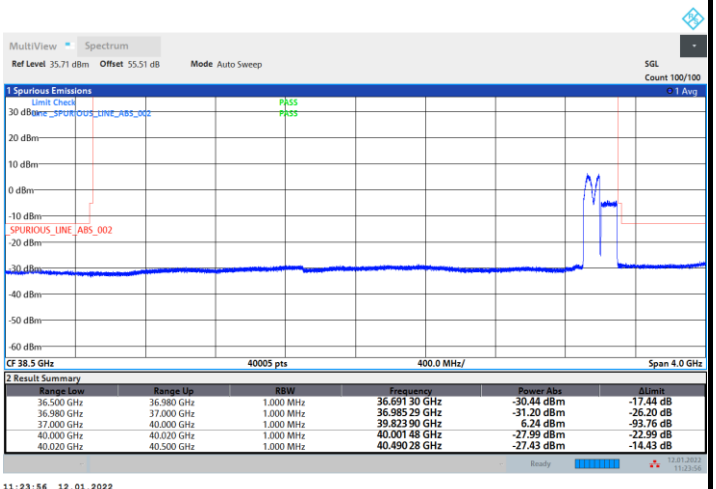
DFT-s-OFDM Module 0

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB

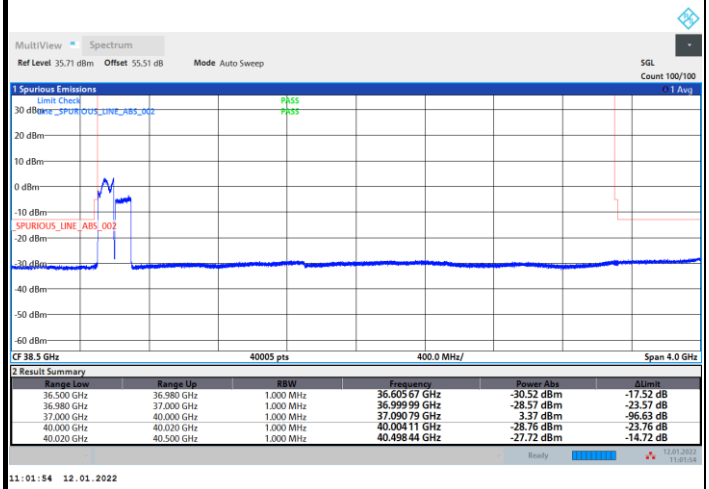


Highest Band Edge / Full RB

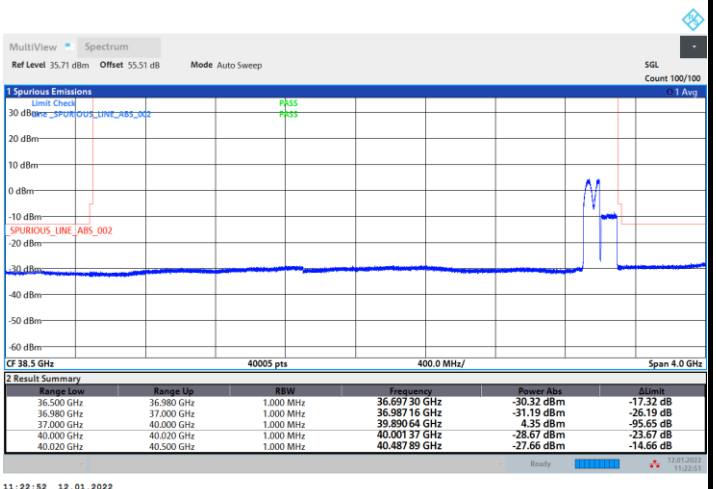


NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB



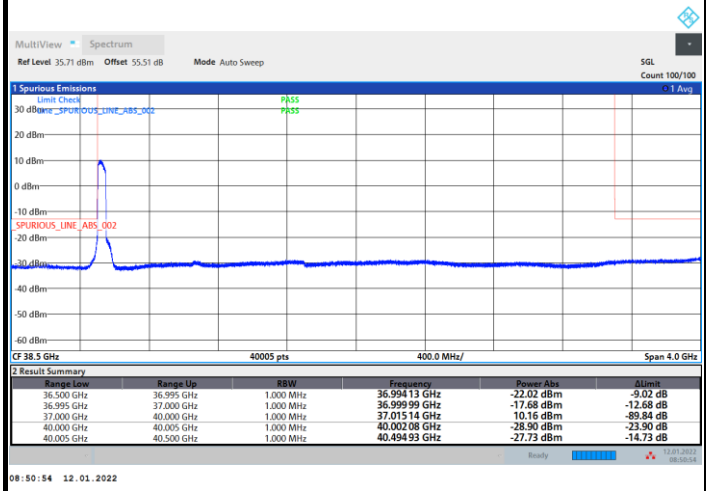
Highest Band Edge / Full RB



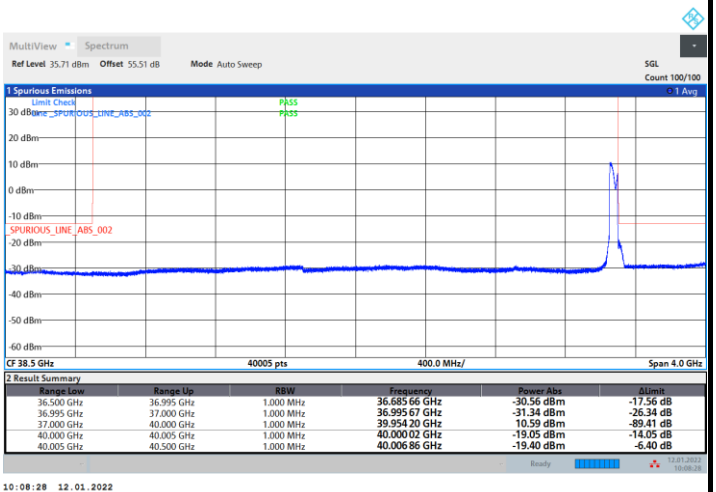
CP-OFDM Module 0

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

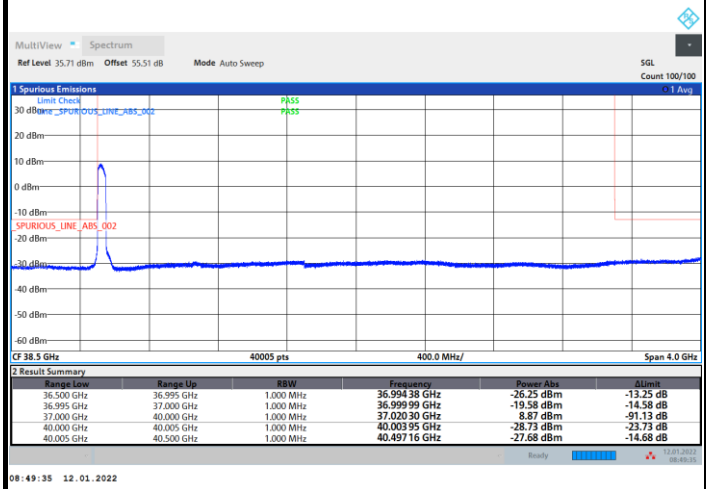


Highest Band Edge / Full RB

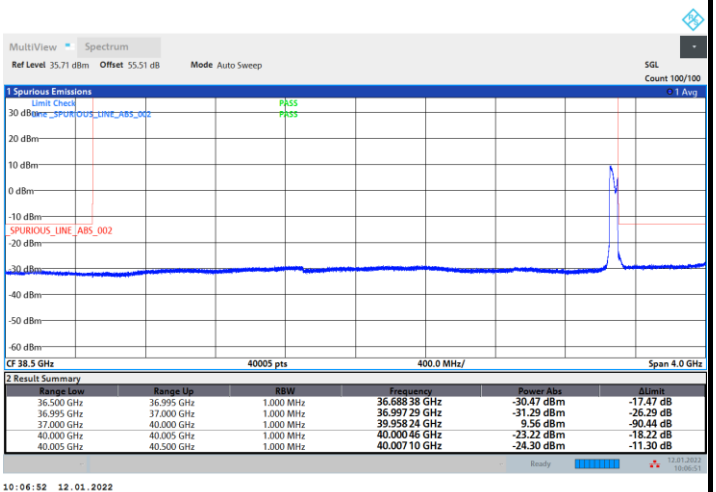


NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / Full RB



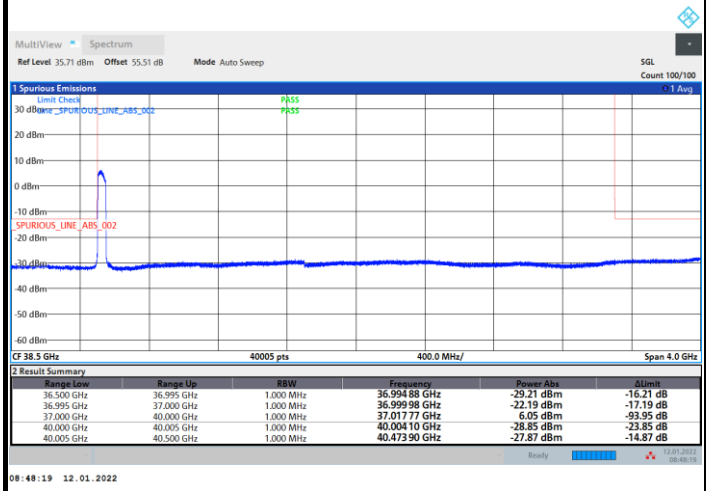
Highest Band Edge / Full RB



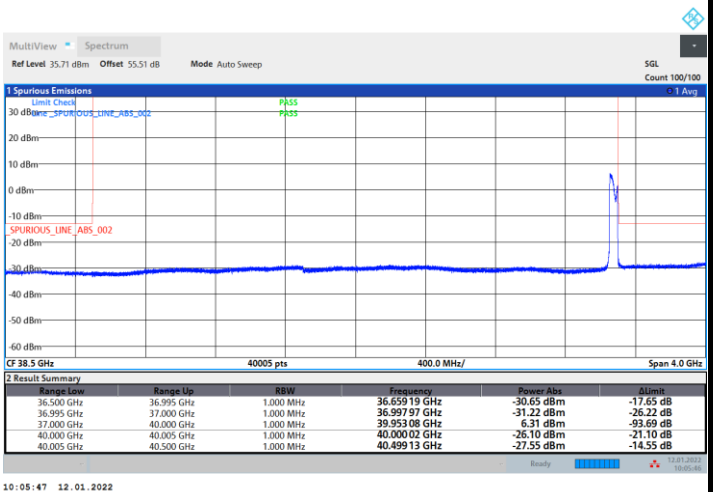
CP-OFDM Module 0

NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB

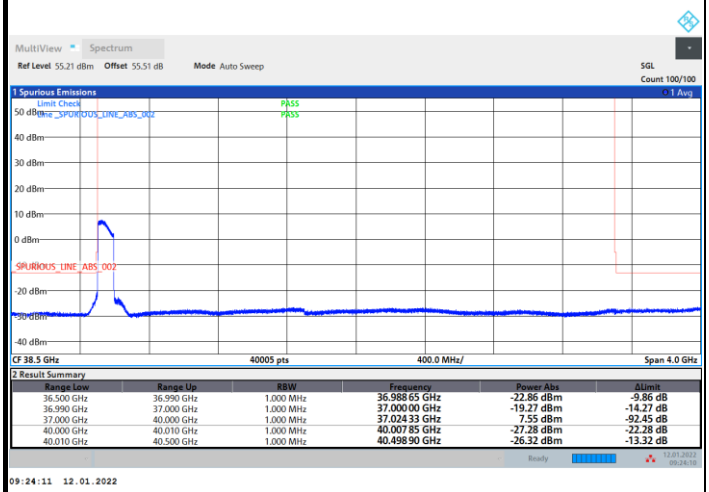


Highest Band Edge / Full RB

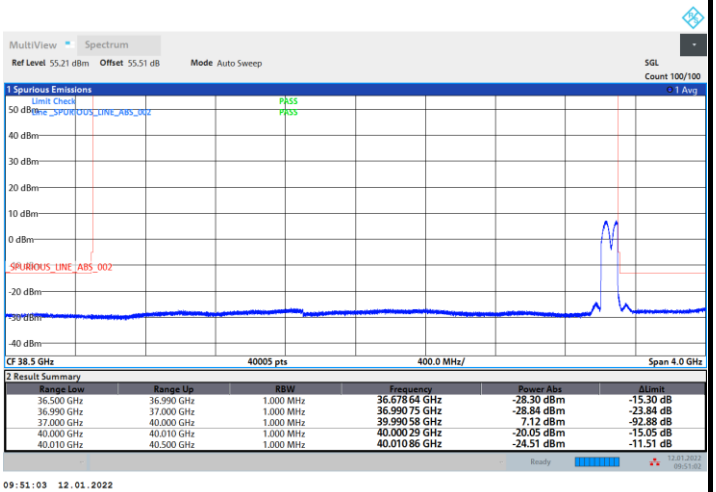


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



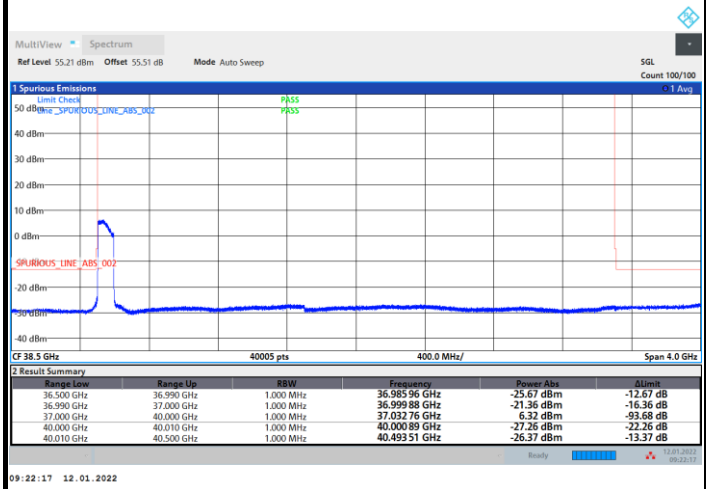
Highest Band Edge / Full RB



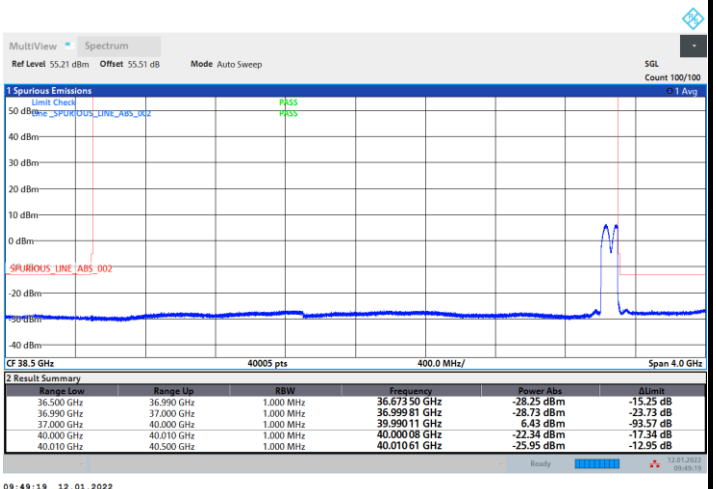
CP-OFDM Module 0

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB

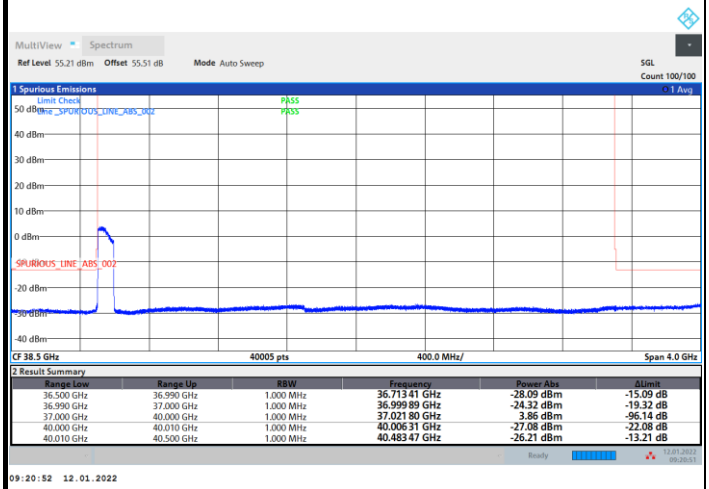


Highest Band Edge / Full RB

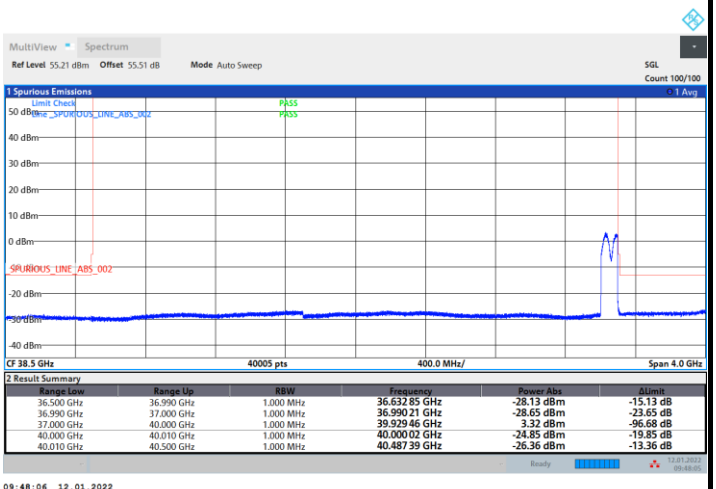


NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



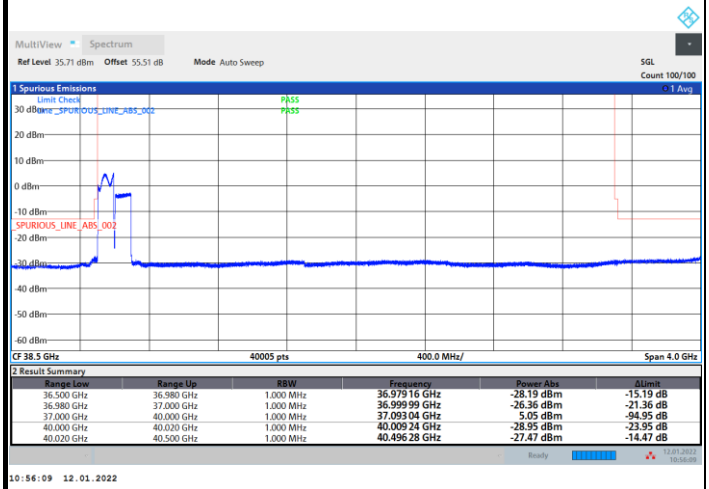
Highest Band Edge / Full RB



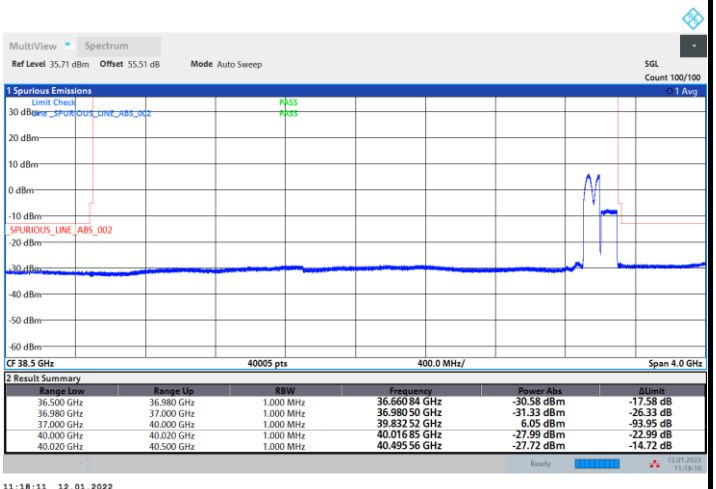
CP-OFDM Module 0

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB

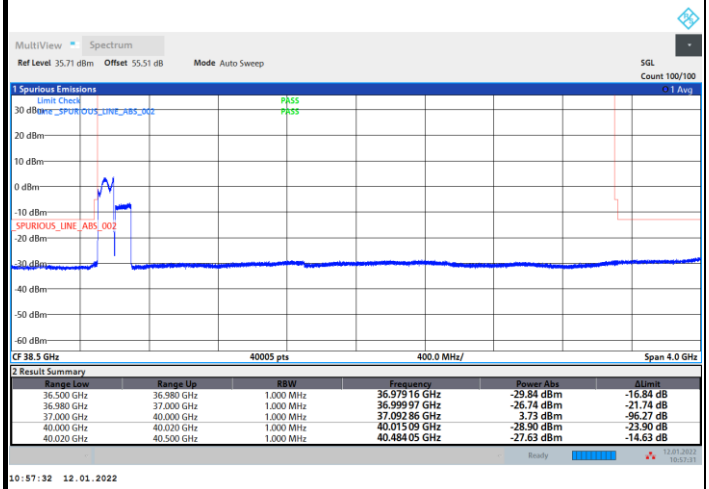


Highest Band Edge / Full RB

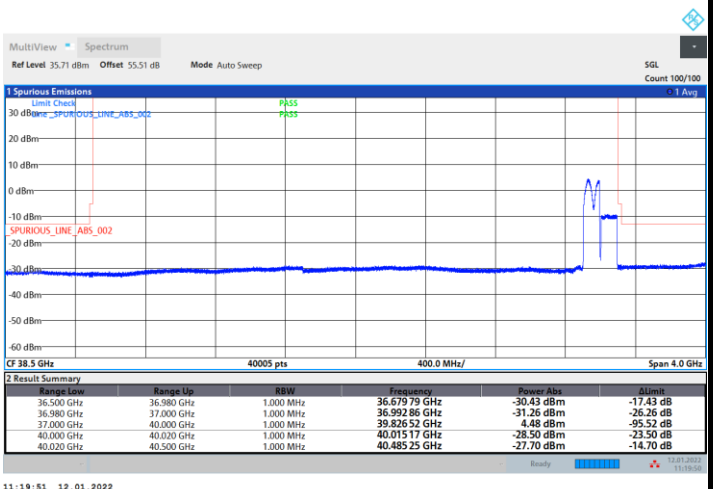


NR Band n260 / 200MHz / 16QAM

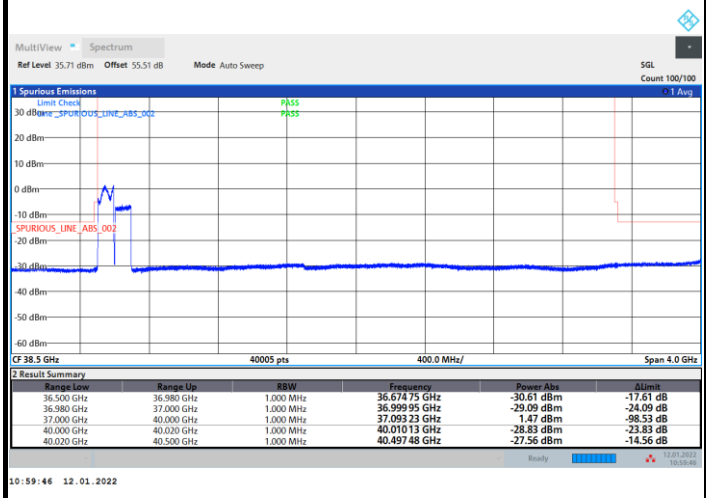
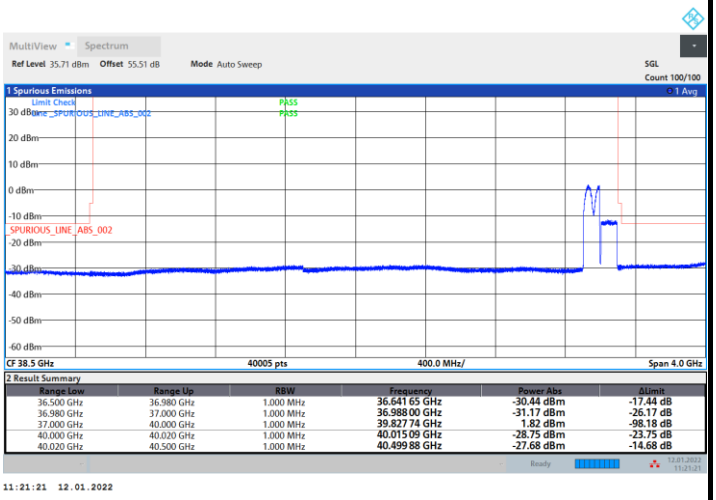
Lowest Band Edge / Full RB



Highest Band Edge / Full RB



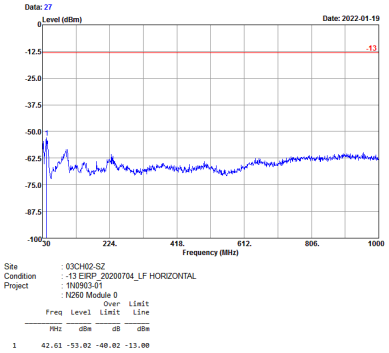
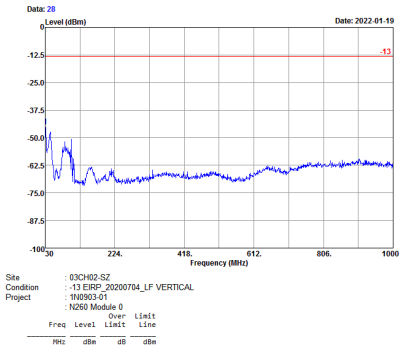
CP-OFDM Module 0

NR Band n260 / 200MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	

Spurious Emission

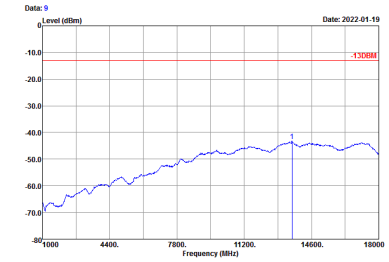
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz.

Only the noise floor is reported.

NR Band n260 (30MHz-1GHz)
Horizontal

Vertical


NR Band n260 (1GHz-18GHz)

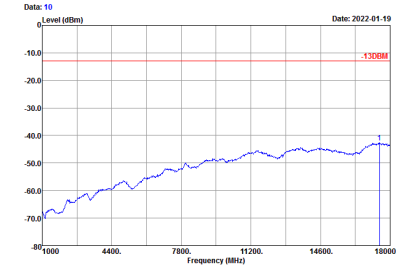
Horizontal



Site : 03CH02-SZ
Condition : -13DBM EIRP_20200906 HORIZONTAL
Project : 1N0903-01
: N260 Module 0

	Freq	Level	Over Limit	Limit Line
	MHz	dBm	dB	dBm
1	13614.00	-43.24	-30.24	-13.00

Vertical

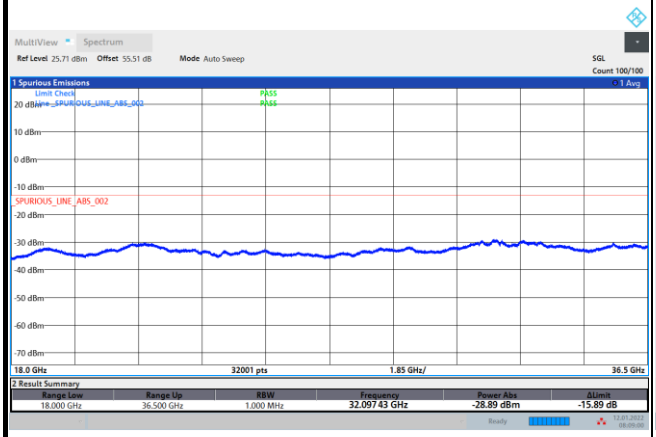
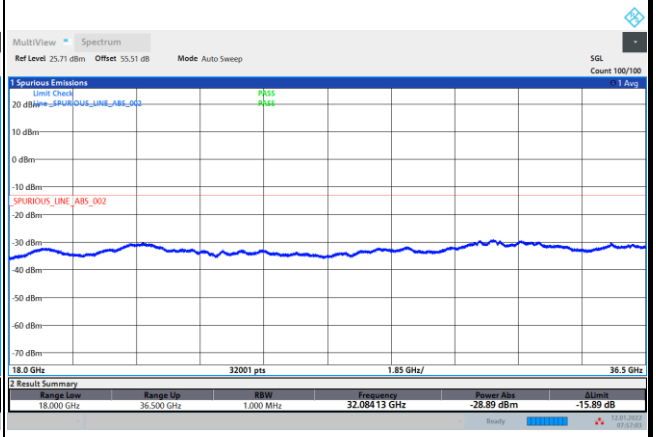
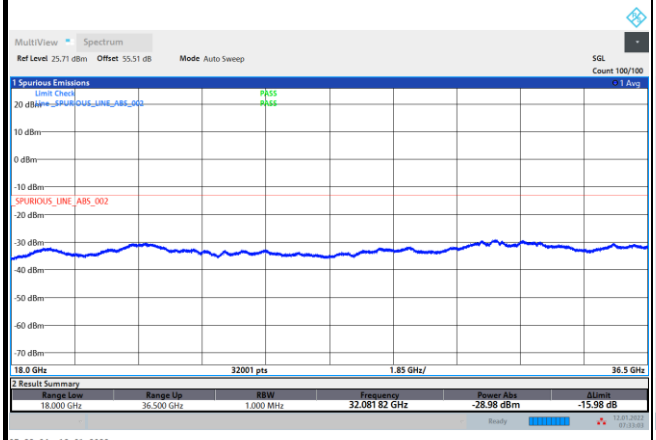
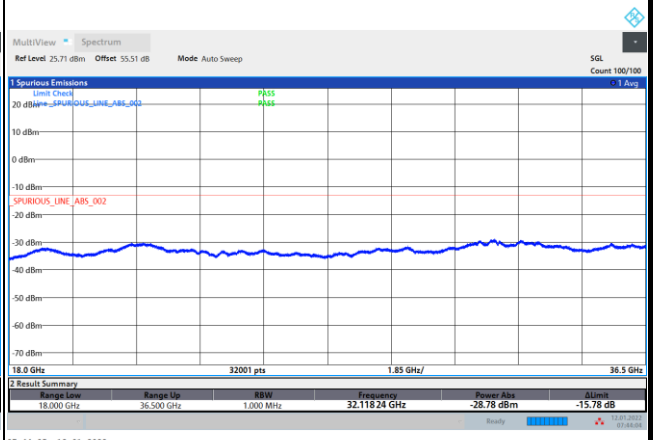
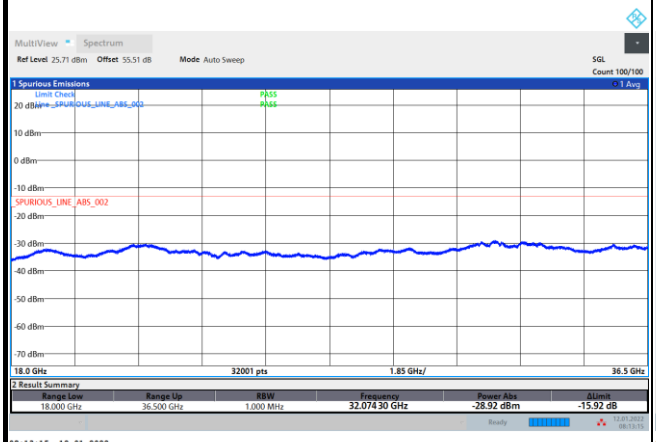
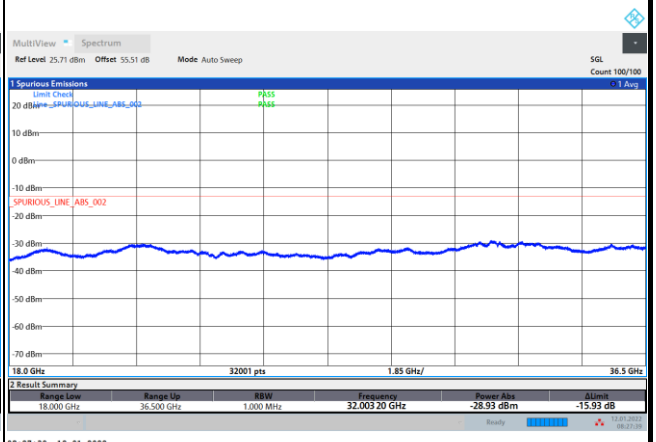


Site : 03CH02-SZ
Condition : -13DBM EIRP_20200906 VERTICAL
Project : 1N0903-01
: N260 Module 0

	Freq	Level	Over Limit	Limit Line
	MHz	dBm	dB	dBm
1	17490.00	-42.56	-29.56	-13.00

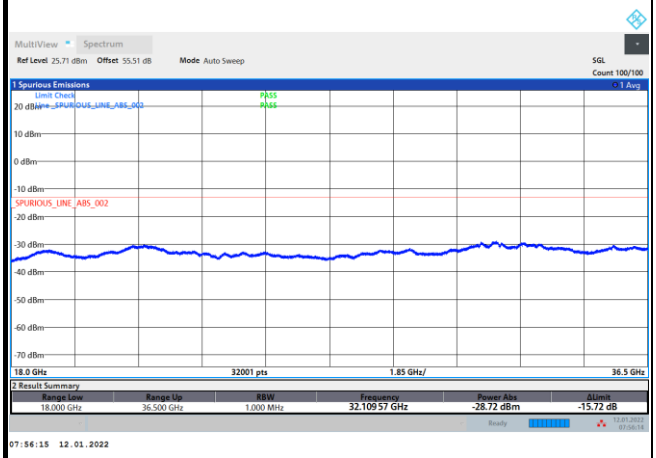
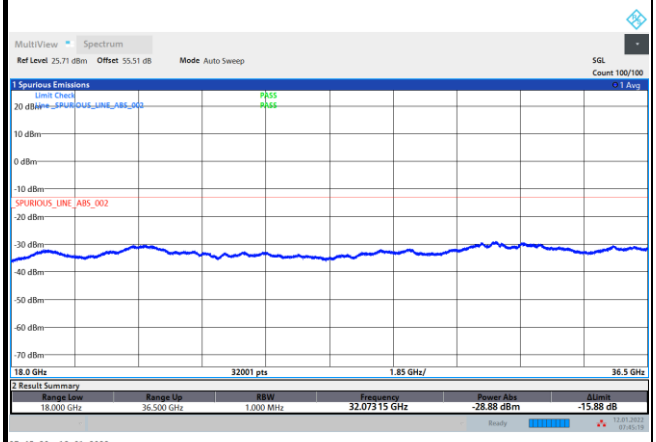
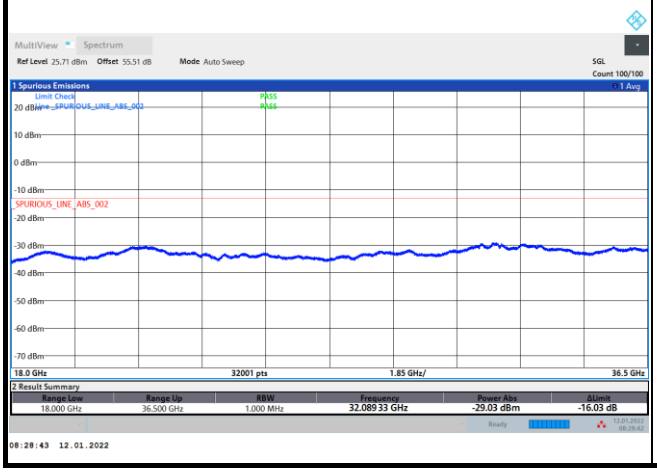
Spurious emission between 18GHz to 36.5GHz worst case plot is reported as following.

DFT-s-OFDM Module 0

NR Band n260 BPSK (18-36.5GHz)	
Lowest Channel / 50MHz	**Lowest Channel / 100MHz**
	
Middle Channel / 50MHz	**Middle Channel / 100MHz**
	
Highest Channel / 50MHz	**Highest Channel / 100MHz**
	

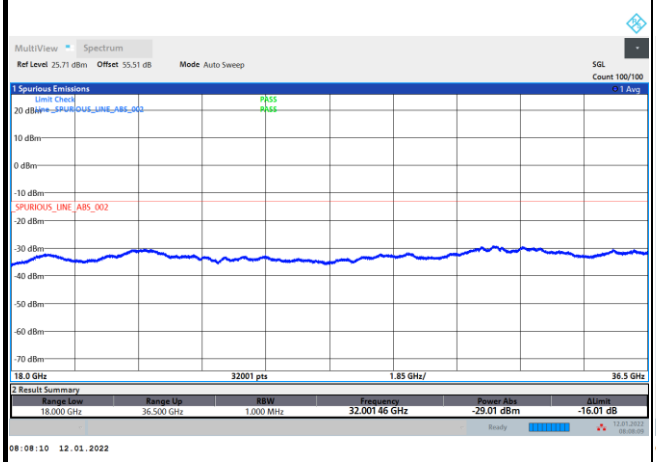
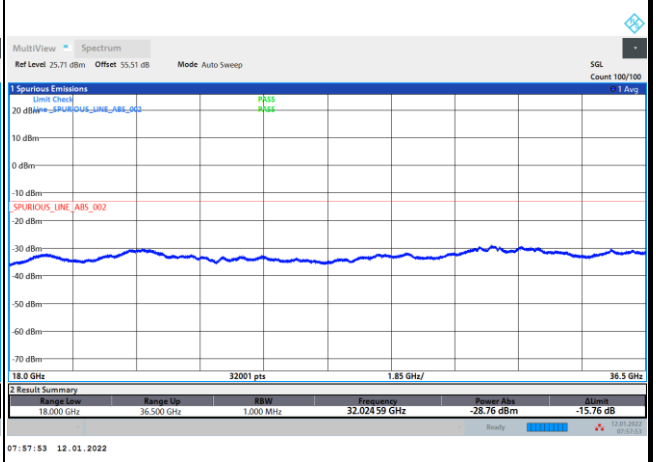
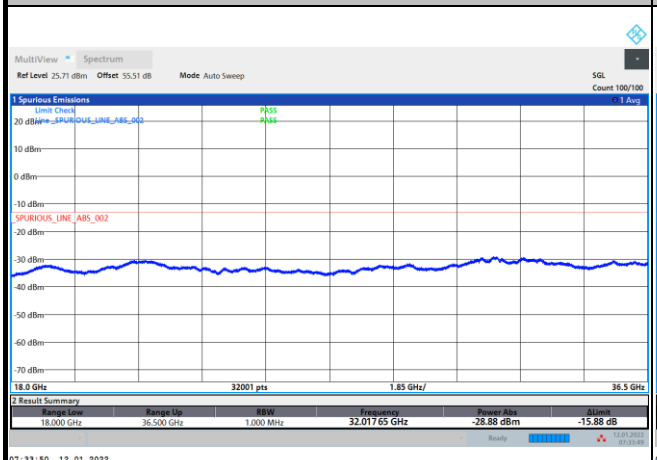
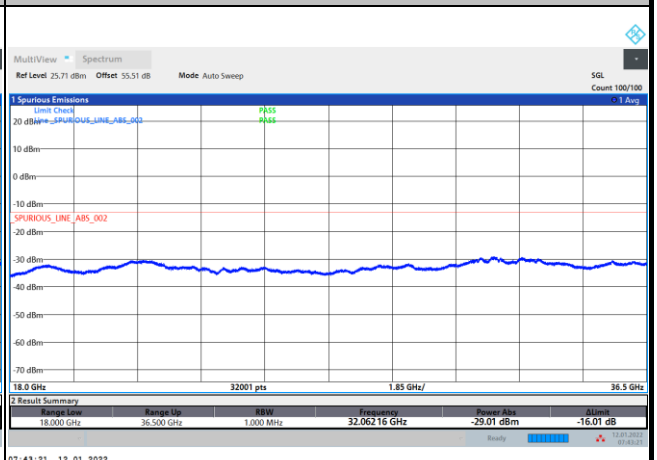
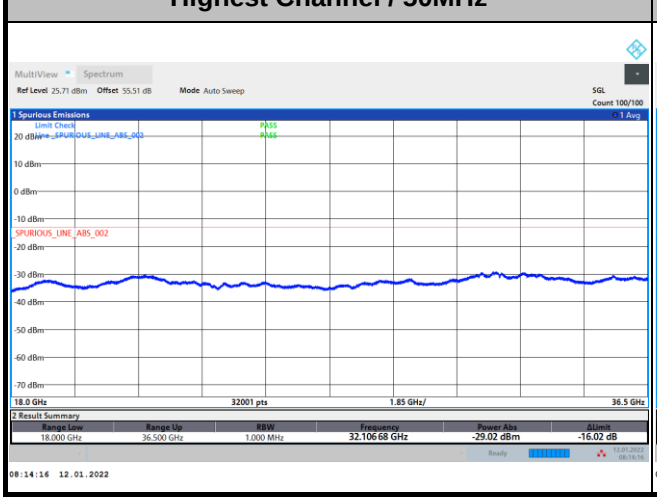
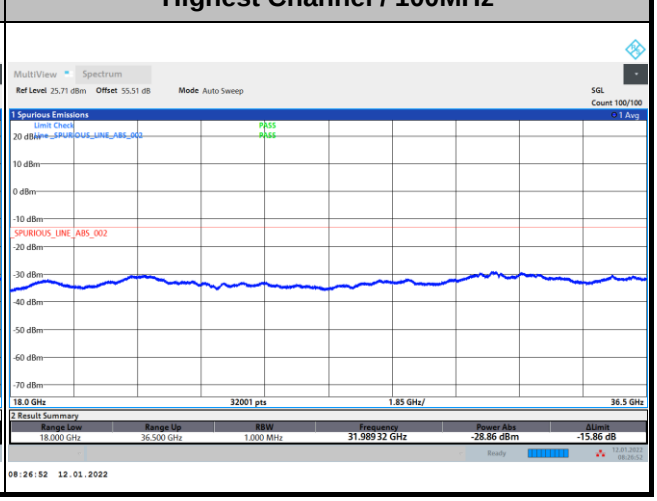
Remark: In band and out of band frequencies are omitted.

DFT-s-OFDM Module 0

NR Band n260 BPSK (18-36.5GHz)	
Lowest Channel / 200MHz	
	**intentionally blank**
Middle Channel / 200MHz	
	**intentionally blank**
Highest Channel / 200MHz	
	**intentionally blank**

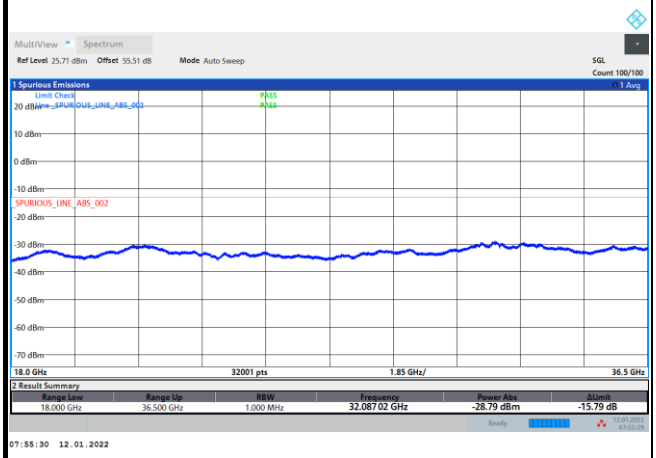
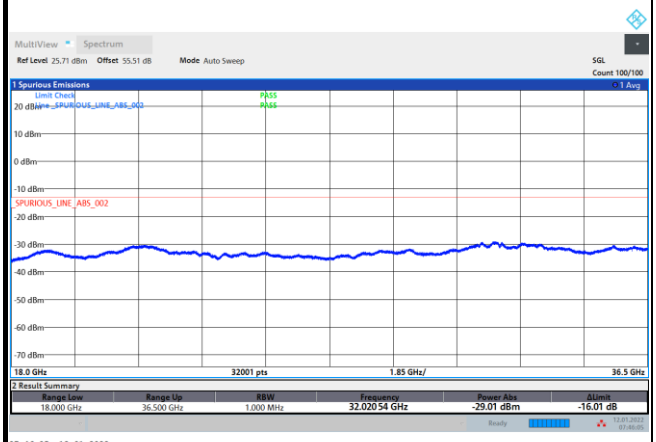
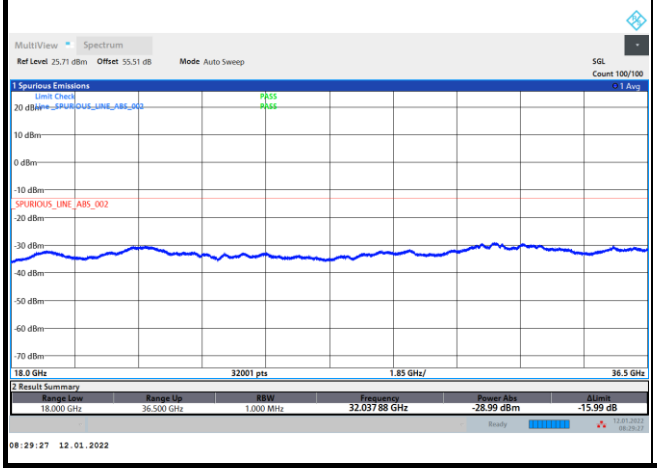
Remark: In band and out of band frequencies are omitted.

DFT-s-OFDM Module 0

NR Band n260 QPSK (18-36.5GHz)	
Lowest Channel / 50MHz	**Lowest Channel / 100MHz**
	
Middle Channel / 50MHz	**Middle Channel / 100MHz**
	
Highest Channel / 50MHz	**Highest Channel / 100MHz**
	

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

DFT-s-OFDM Module 0

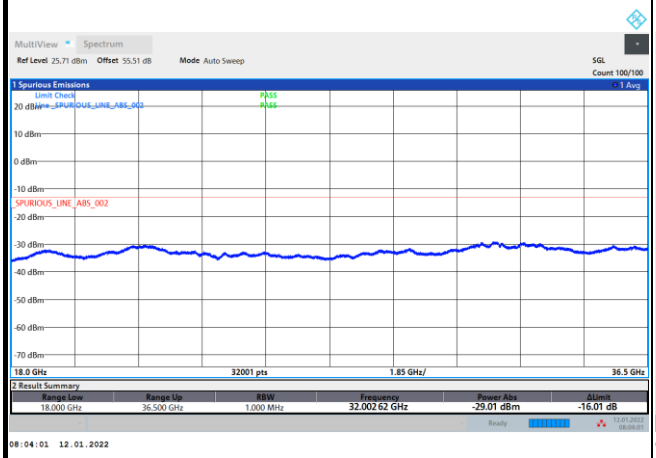
NR Band n260 QPSK (18-36.5GHz)	
Lowest Channel / 200MHz	
	**intentionally blank**
Middle Channel / 200MHz	
	**intentionally blank**
Highest Channel / 200MHz	
	**intentionally blank**

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

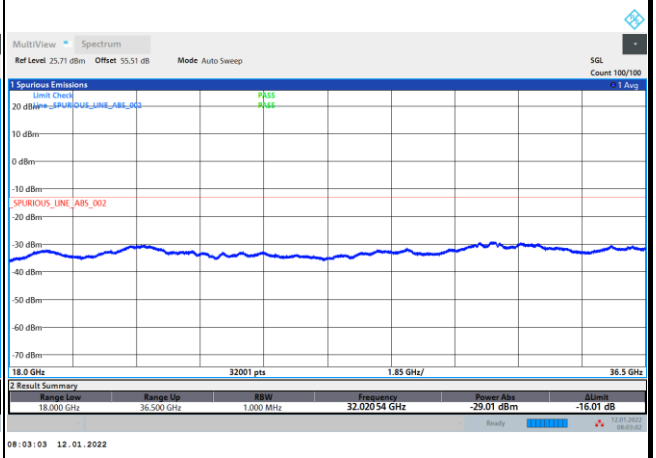
CP-OFDM Module 0

NR Band n260 QPSK (18-36.5GHz)

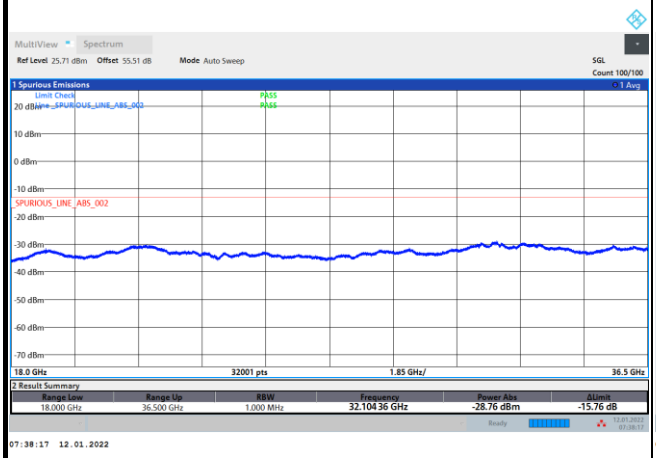
Lowest Channel / 50MHz



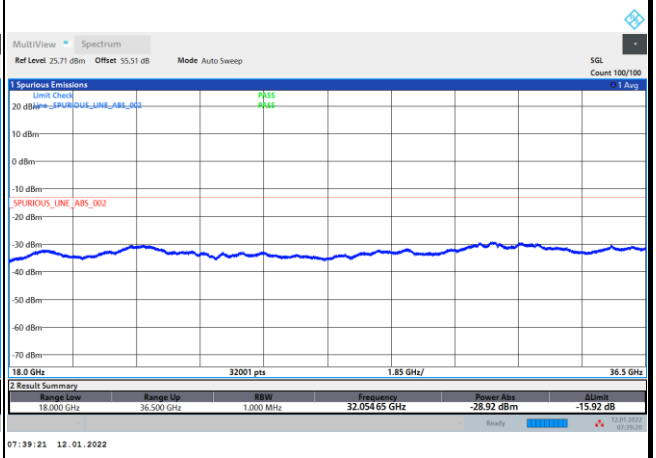
Lowest Channel / 100MHz



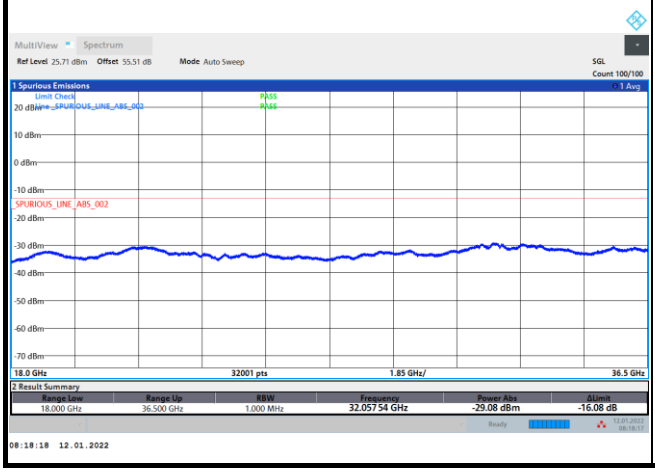
Middle Channel / 50MHz



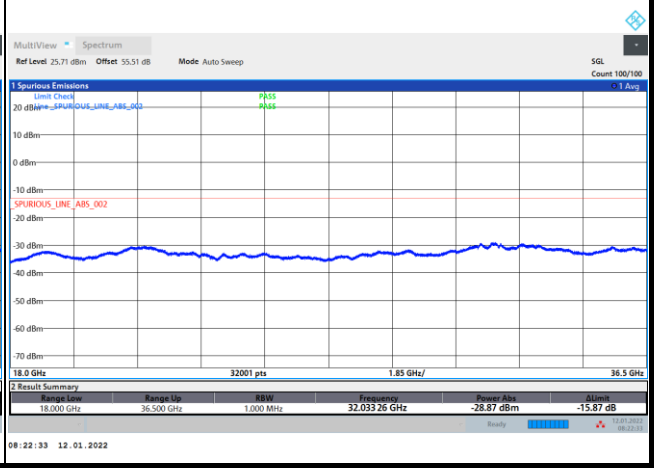
Middle Channel / 100MHz



Highest Channel / 50MHz

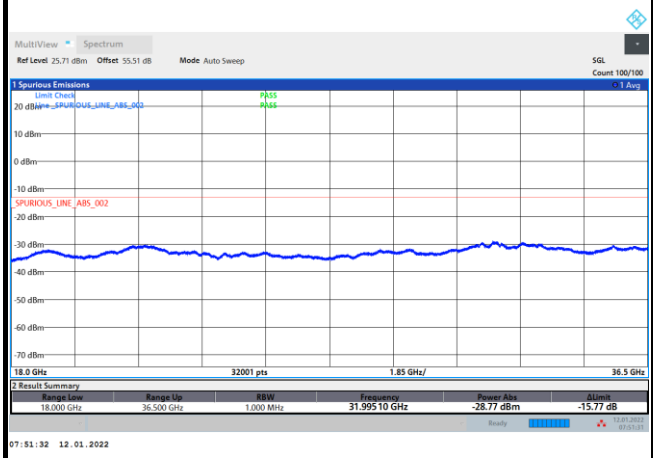
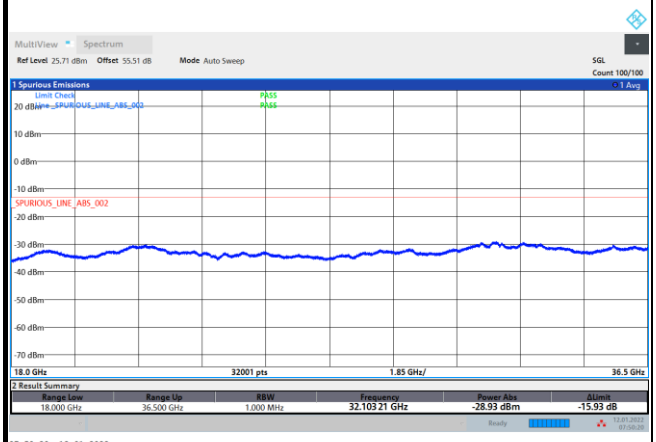
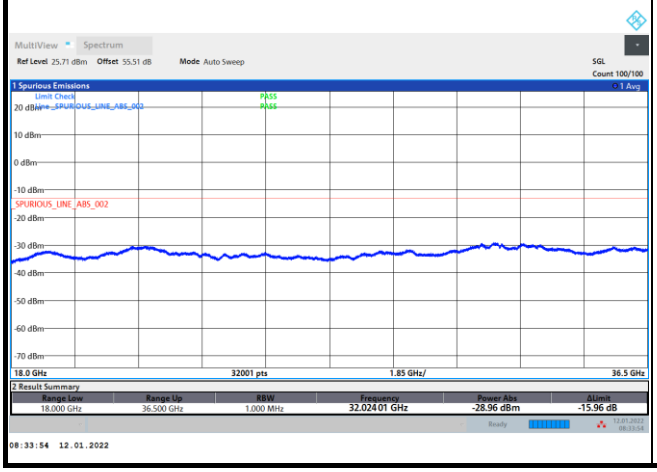


Highest Channel / 100MHz



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

CP-OFDM Module 0

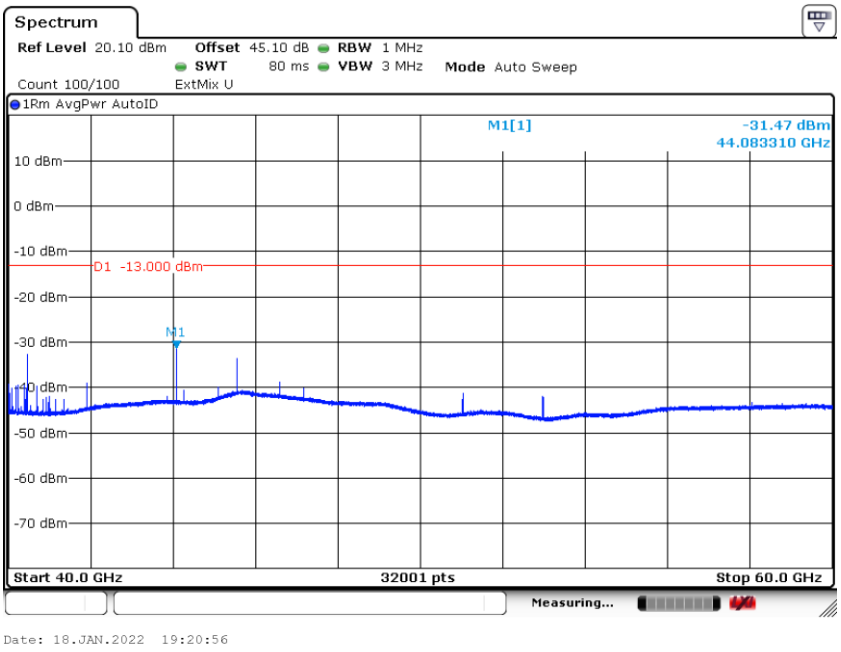
NR Band n260 QPSK (18-36.5GHz)	
Lowest Channel / 200MHz	
	**intentionally blank**
Middle Channel / 200MHz	
	**intentionally blank**
Highest Channel / 200MHz	
	**intentionally blank**

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.

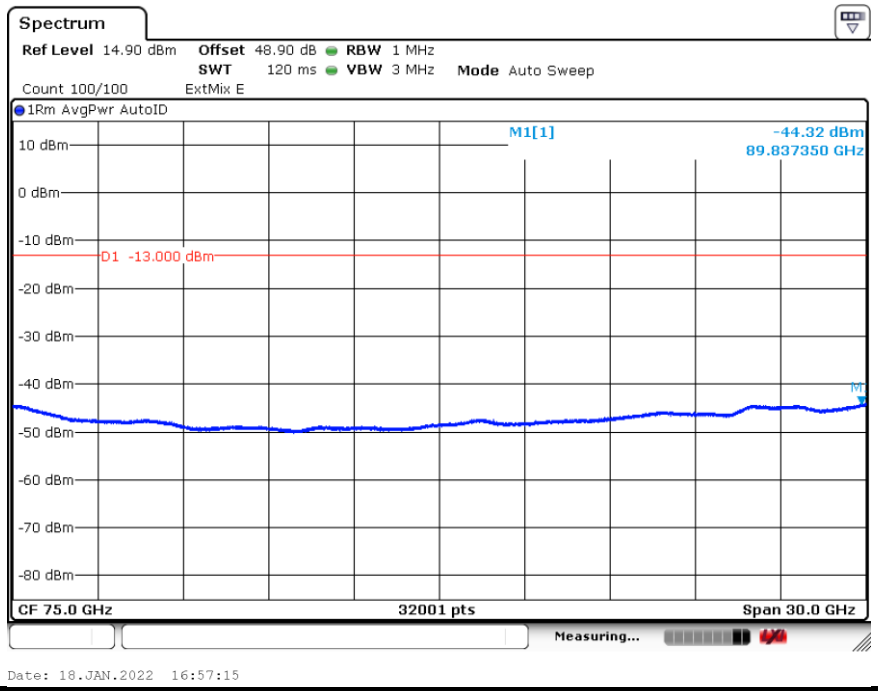
NR Band n260
(40GHz-60GHz)



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

= 42.5 + 0.4 + 107 + 20log(1) – 104.8 = 45.1 (dB)

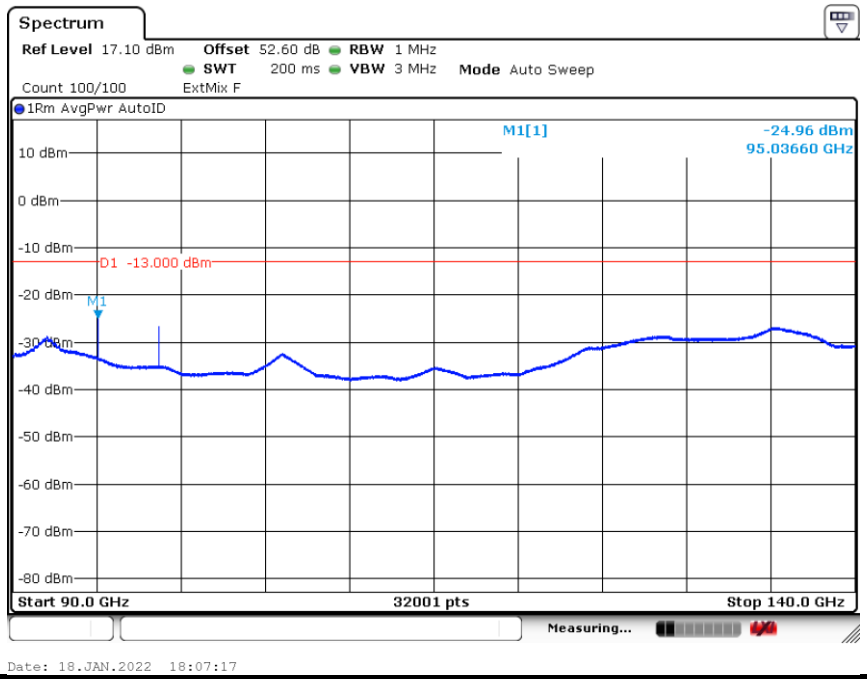
NR Band n260
(60GHz-90GHz)



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

= 46.3+ 0.4 + 107 + 20log(1) – 104.8 = 48.9 (dB)

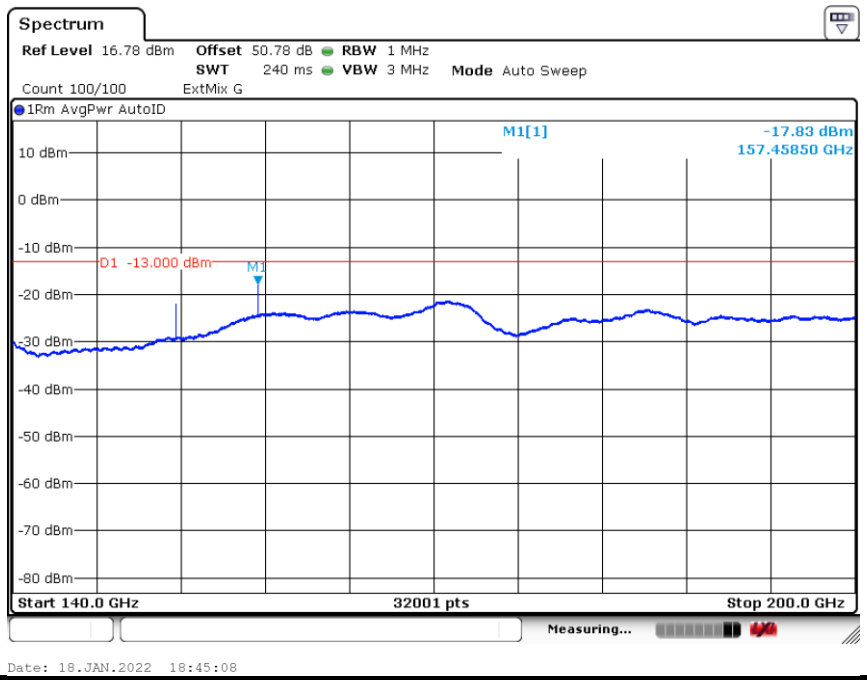
NR Band n260
(90GHz-140GHz)



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

= 50 + 0.4 + 107 + 20log(1) – 104.8 = 52.6 (dB)

NR Band n260
(140GHz-200GHz)



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

= 54.2 + 0.4 + 107 + 20log(0.5) – 104.8 = 50.78 (dB)

Remark: The spurious emissions were measured from 18GHz to 36.5GHz and 40GHz to 200GHz. The test results within the omitted frequency 36.5GHz to 40GHz were measured and reported in the section of Radiated Out of Band Emission with frequency range, 36.5GHz to 40GHz, and all spurious comply with limits.

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	38.49992185	78.150	2.030	PASS
40	Normal Voltage	38.49995948	40.520	1.052	
30	Normal Voltage	38.49999204	7.960	0.207	
20(Ref.)	Normal Voltage	38.5	0.000	0.000	
10	Normal Voltage	38.50006729	-67.290	1.748	
0	Normal Voltage	38.5002686	-268.600	6.977	
-10	Normal Voltage	38.5003103	-310.300	8.060	
-20	Normal Voltage	38.5003323	-332.300	8.631	
-30	Normal Voltage	38.5003091	-309.100	8.029	
20	Maximum Voltage	38.50001013	-10.130	0.263	
20	Normal Voltage	38.5	0.000	0.000	
20	Battery End Point	38.49998046	19.540	0.508	

Note:

1. Normal Voltage =3.87 V. ; Battery End Point (BEP) =3.45V. ; Maximum Voltage =4.45V.

2. The frequency fundamental emissions stay within the operation band.

NR Band n260 Module 1

AG0

Occupied Bandwidth

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	45.72	46.07	46.10	45.91	91.30	91.35	91.38	91.20	188.62	188.34	187.23	188.84
Middle CH	45.70	46.09	46.17	45.94	91.36	91.80	91.48	91.32	187.04	186.43	187.62	186.90
Highest CH	45.73	45.92	46.10	45.91	91.03	91.08	91.28	91.11	188.33	187.75	188.20	188.56

Mode	CP-OFDM Module 1 NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	46.06	45.89	45.89	94.29	94.23	93.96	190.90	190.79	190.87
Middle CH	46.04	45.88	45.96	94.25	94.24	94.17	190.07	190.53	191.58
Highest CH	46.10	45.95	45.88	94.30	94.21	94.00	188.45	188.15	189.22