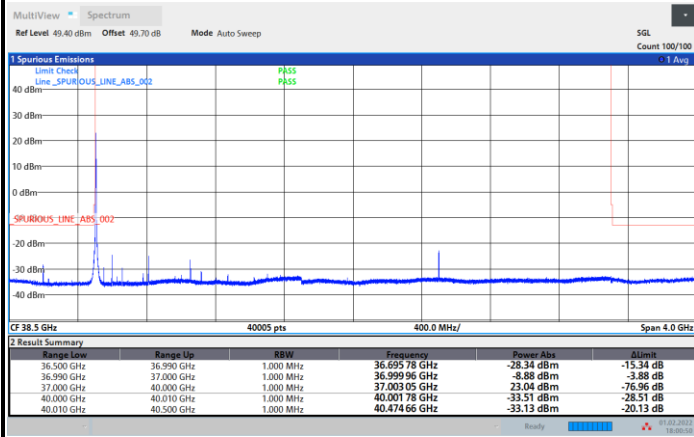




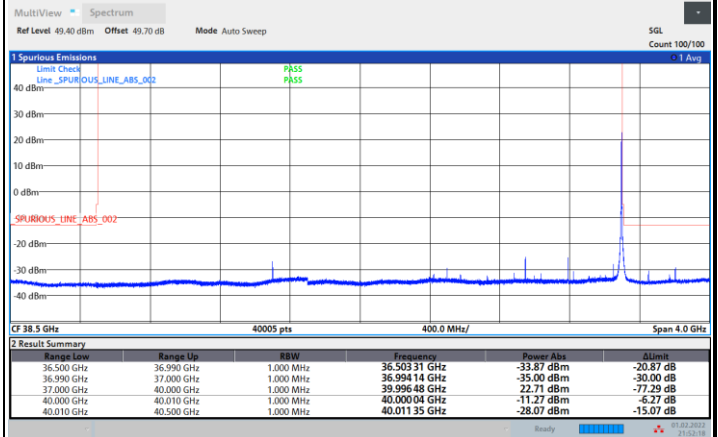
DFT-s-OFDM Module 2

NR Band n260 / 100MHz / BPSK

Lowest Band Edge / 1 RB

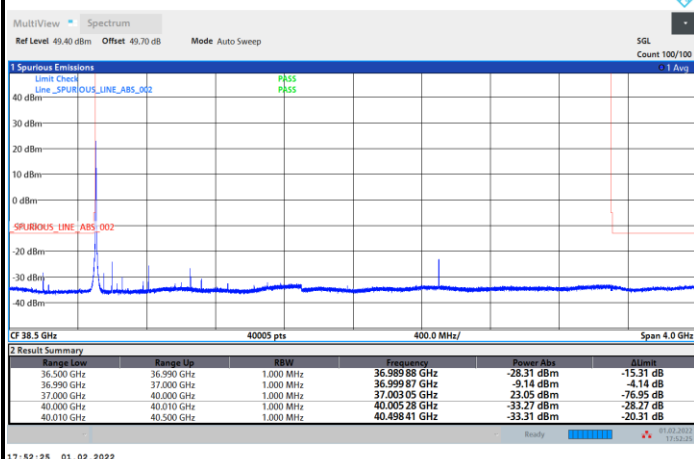


Highest Band Edge / 1 RB

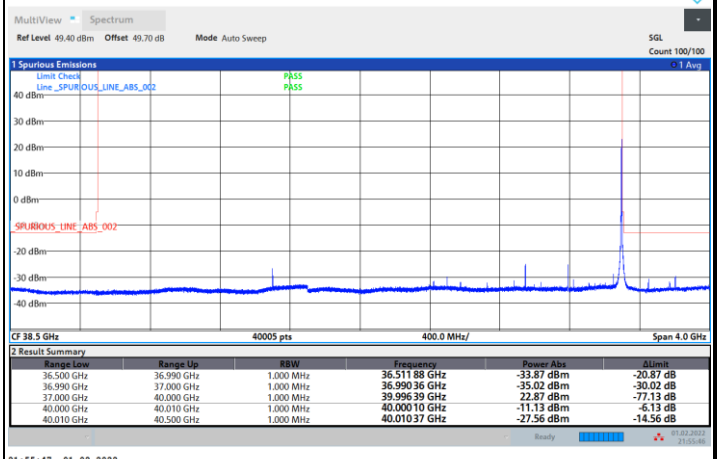


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

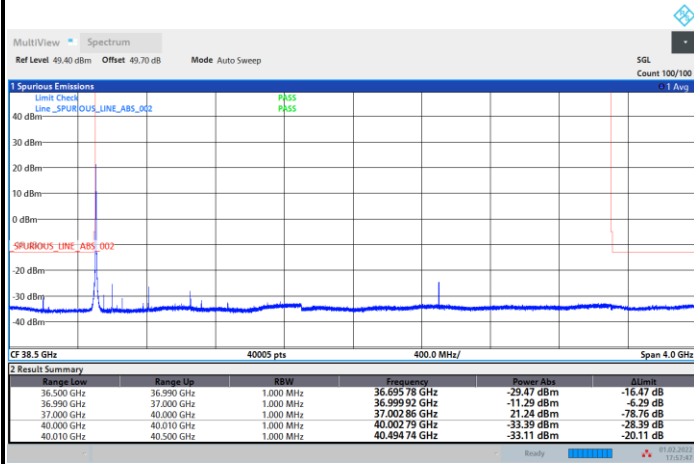




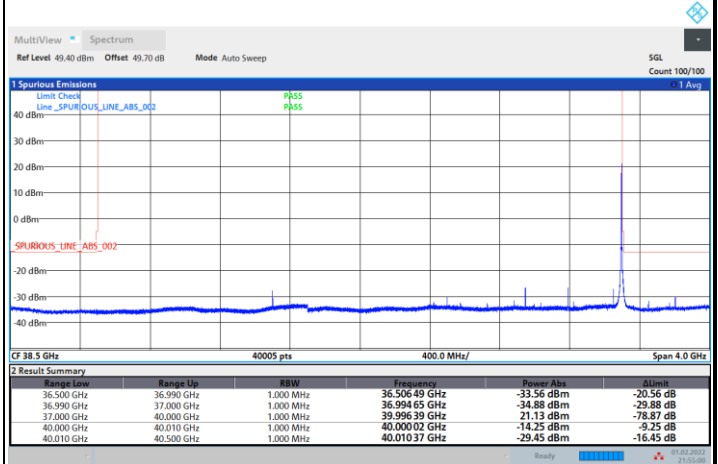
DFT-s-OFDM Module 2

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / 1 RB

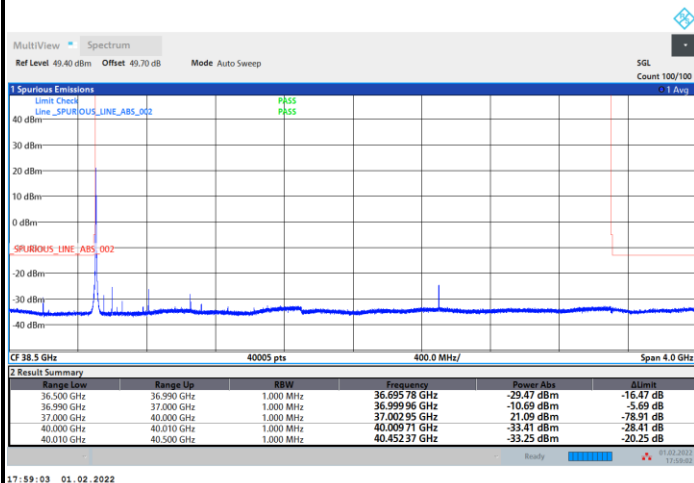


Highest Band Edge / 1 RB

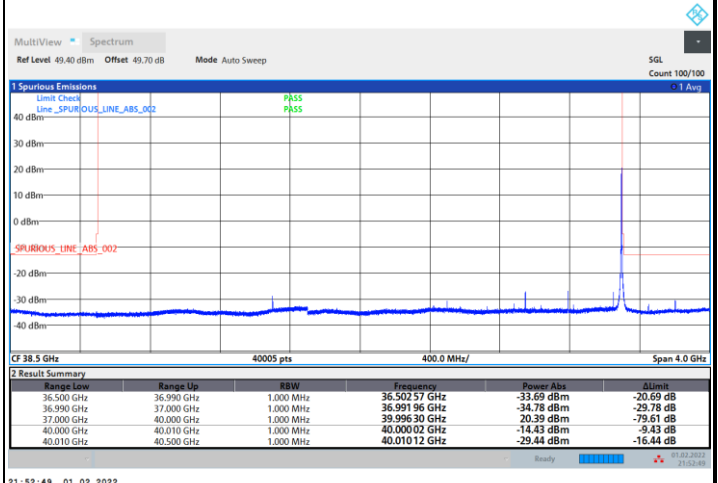


NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

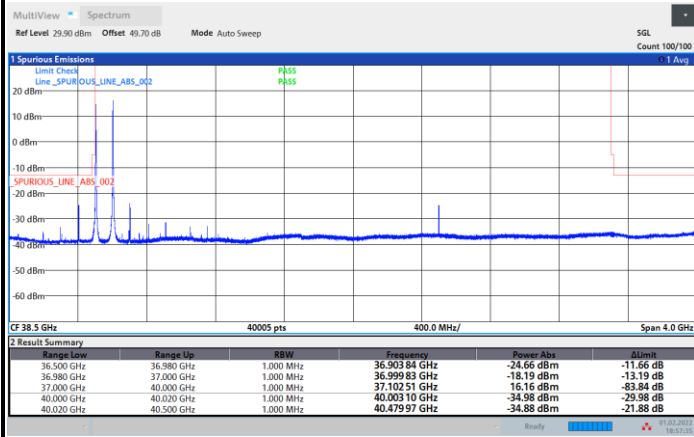




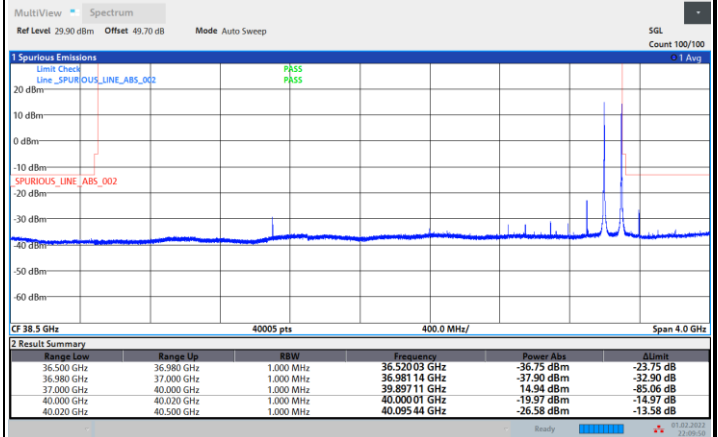
DFT-s-OFDM Module 2

NR Band n260 / 200MHz / BPSK

Lowest Band Edge / 1 RB

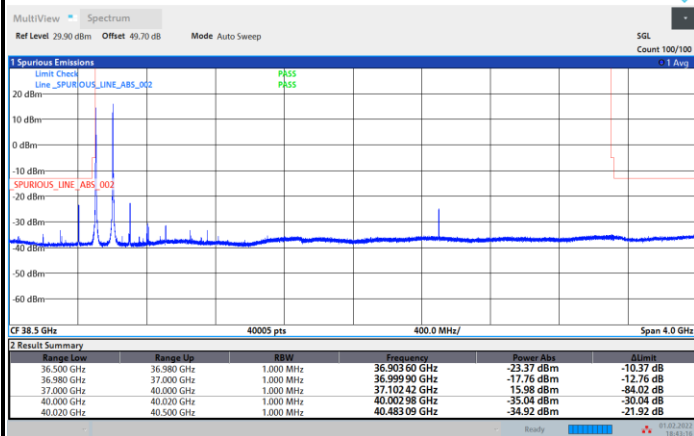


Highest Band Edge / 1 RB

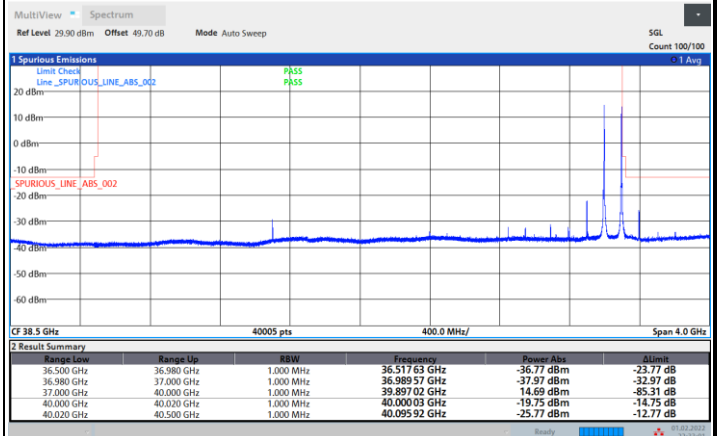


NR Band n260 / 200MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

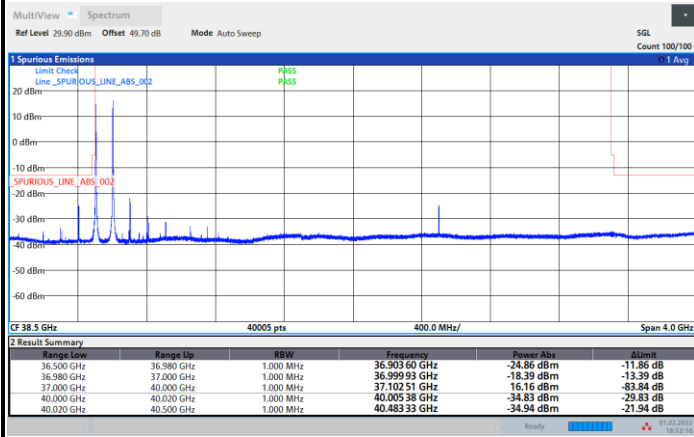




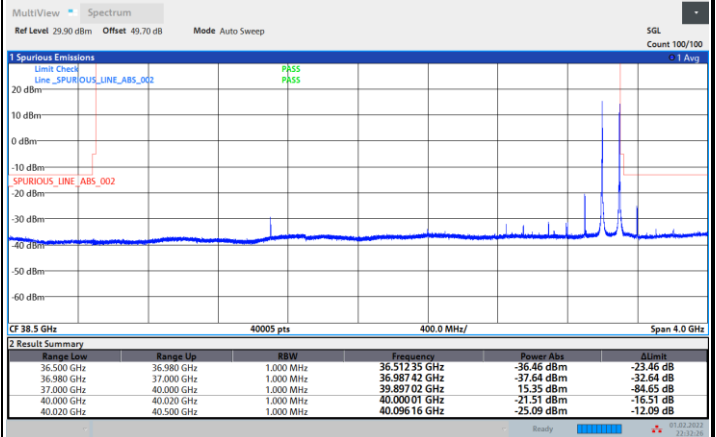
DFT-s-OFDM Module 2

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / 1 RB

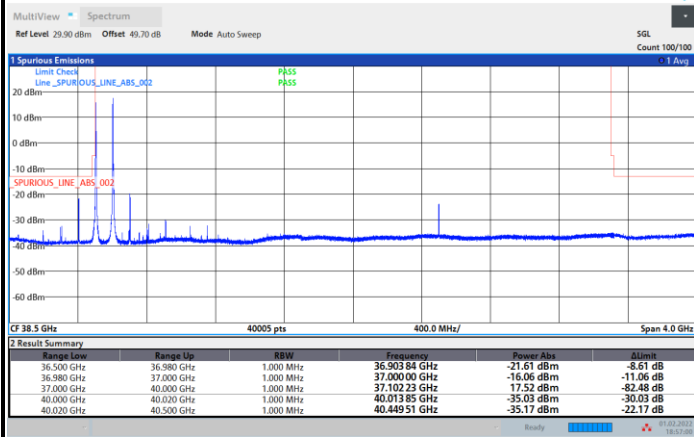


Highest Band Edge / 1 RB

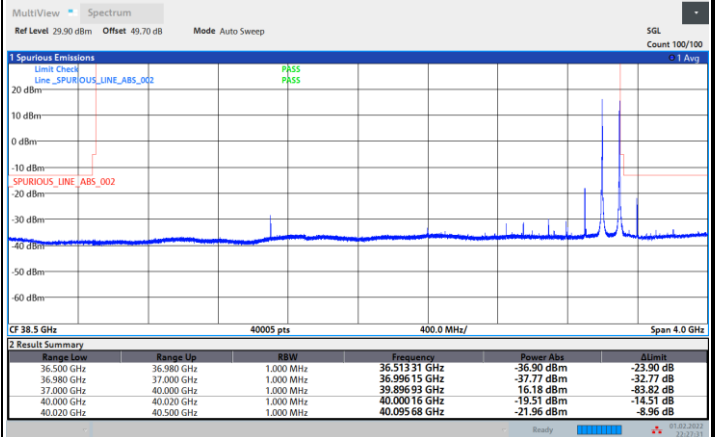


NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

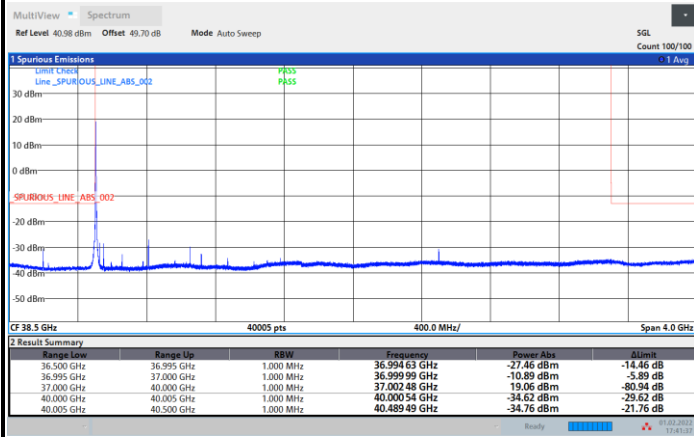




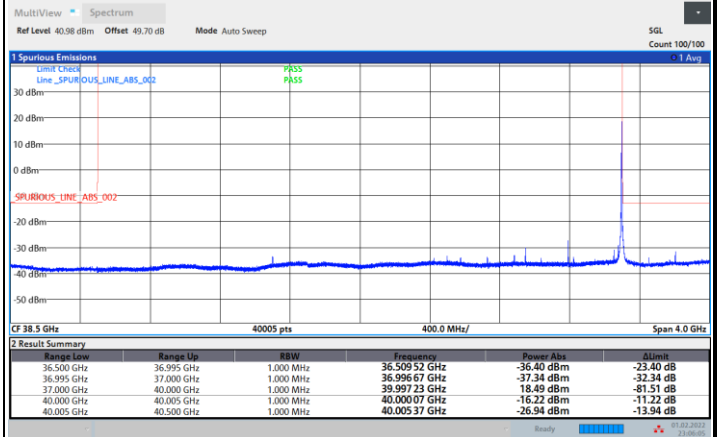
CP-OFDM Module 2

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB

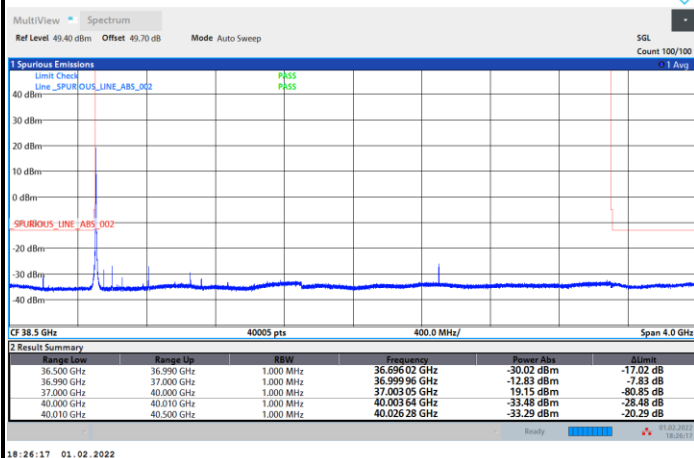


Highest Band Edge / 1 RB

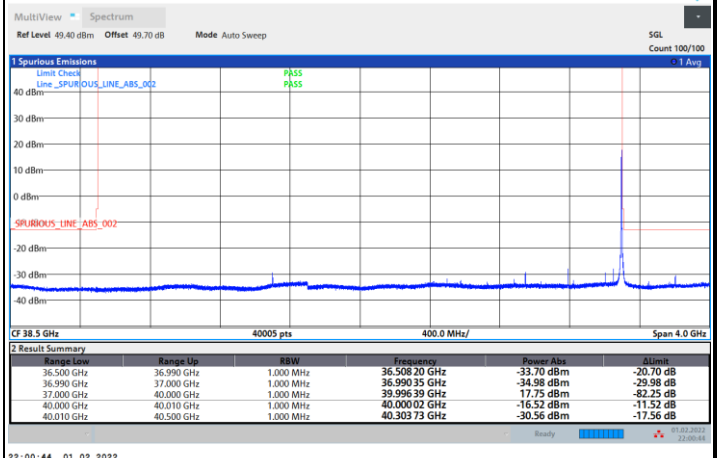


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

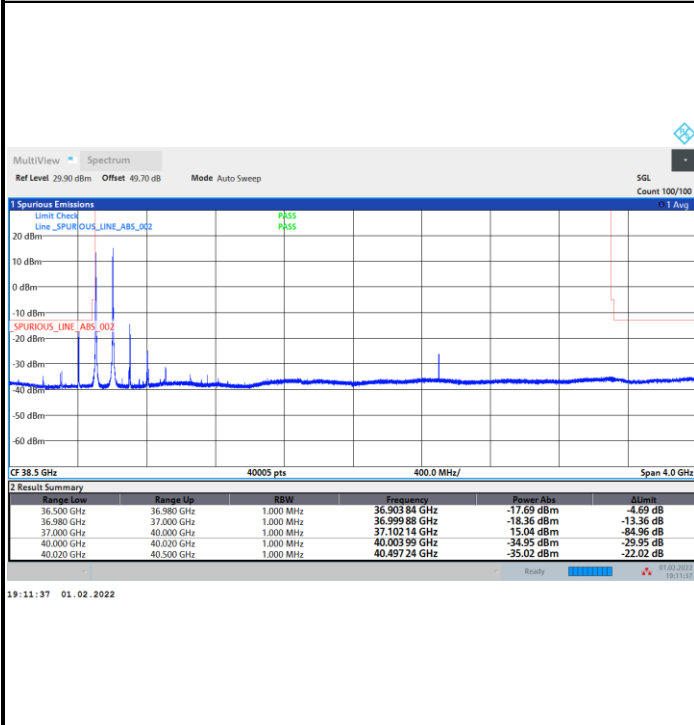




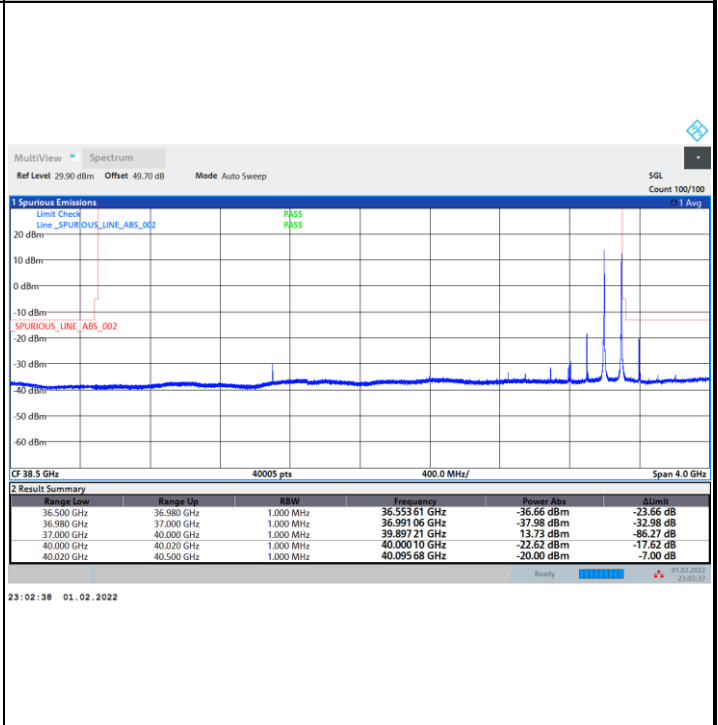
CP-OFDM Module 2

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

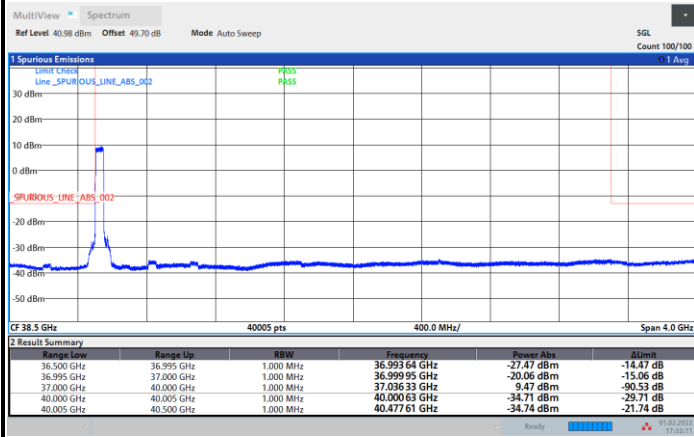




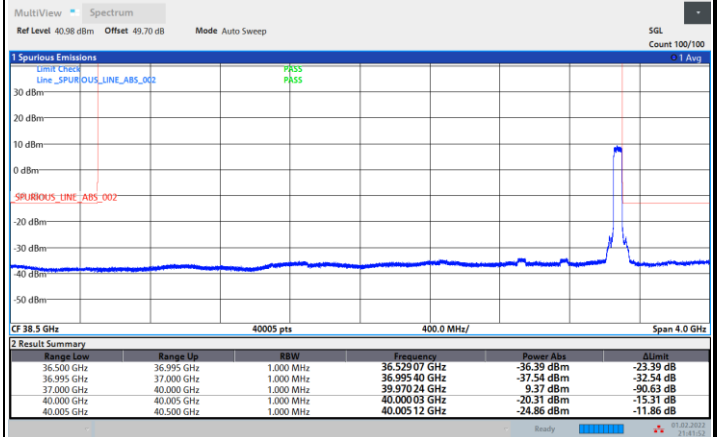
DFT-s-OFDM Module 2

NR Band n260 / 50MHz / BPSK

Lowest Band Edge / Full RB

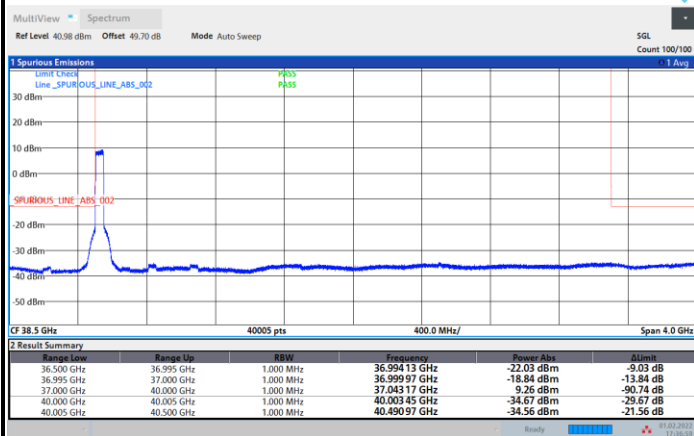


Highest Band Edge / Full RB

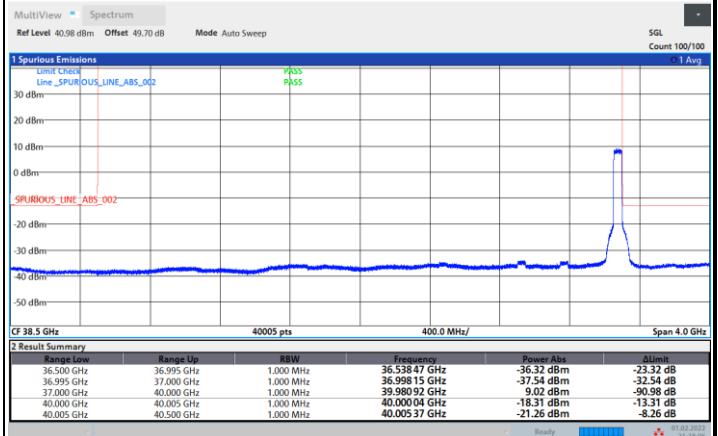


NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

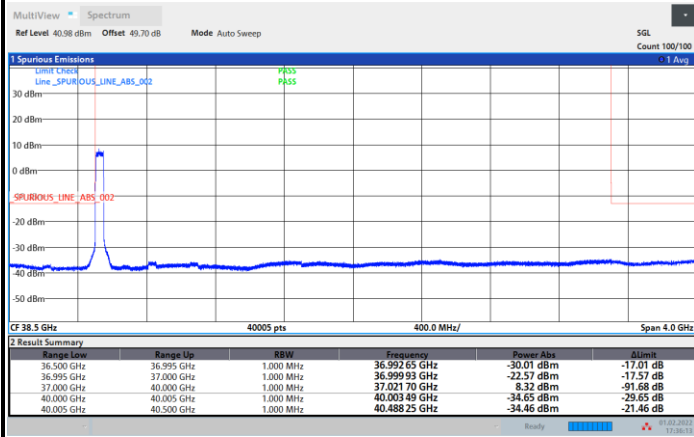




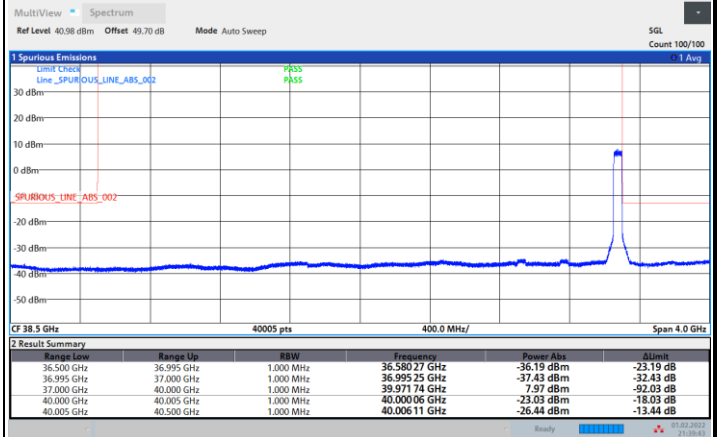
DFT-s-OFDM Module 2

NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / Full RB

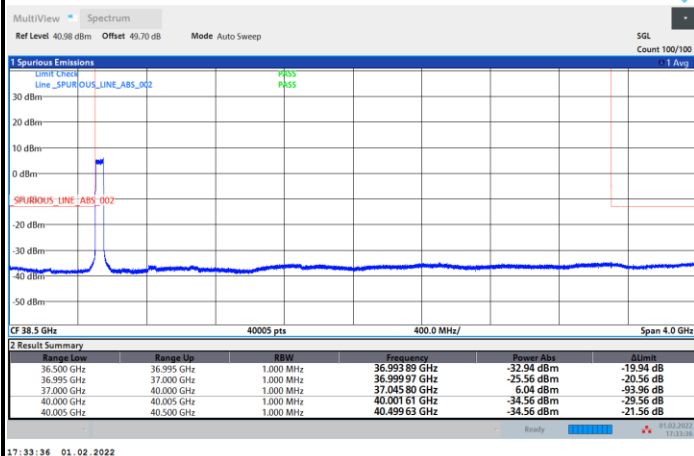


Highest Band Edge / Full RB

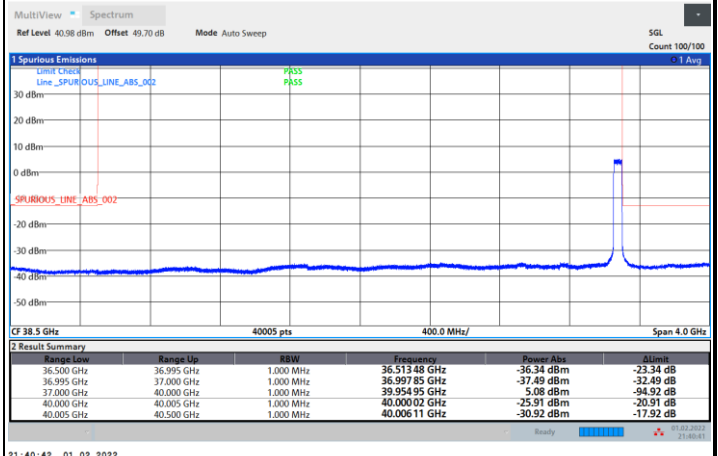


NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

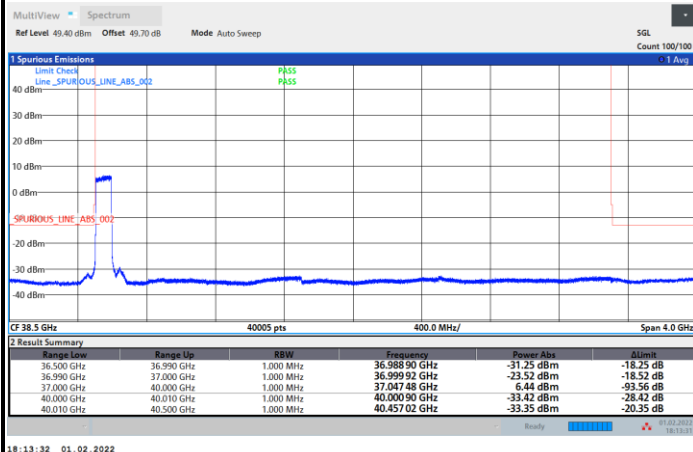




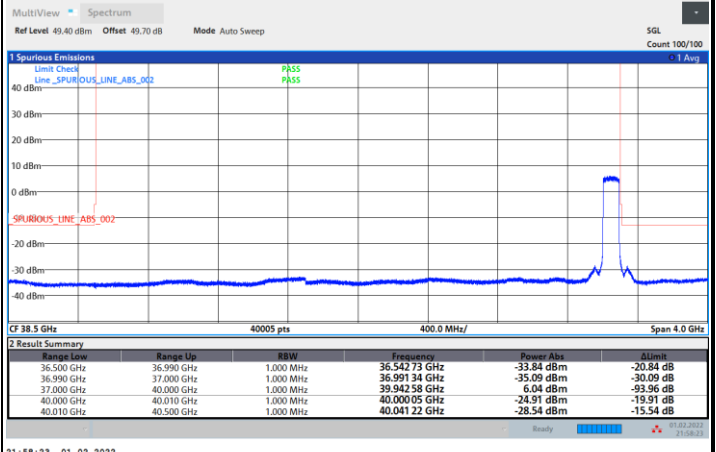
DFT-s-OFDM Module 2

NR Band n260 / 100MHz / BPSK

Lowest Band Edge / Full RB

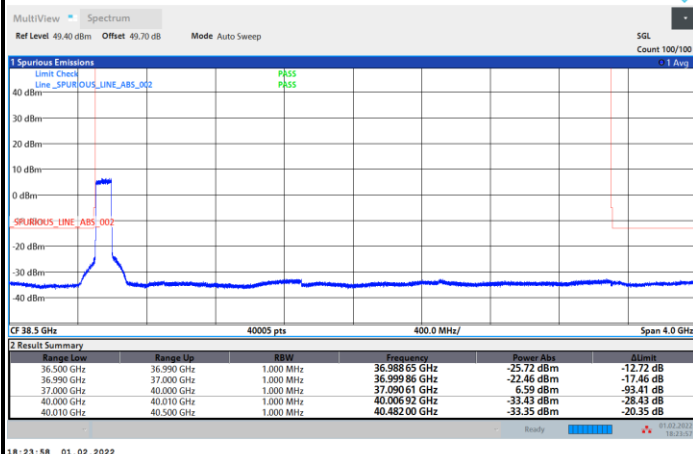


Highest Band Edge / Full RB

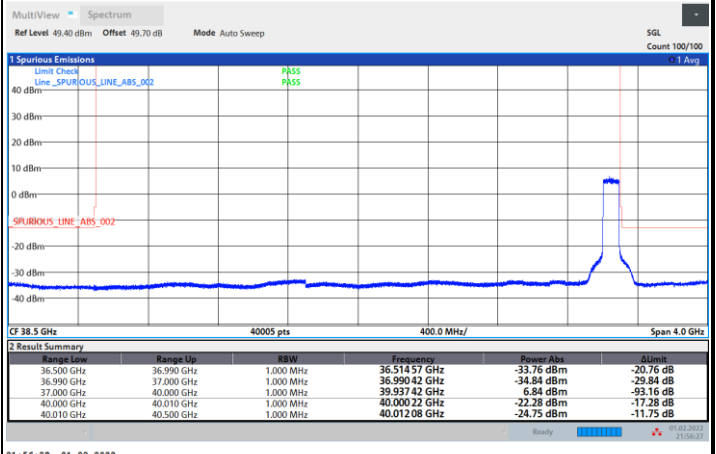


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

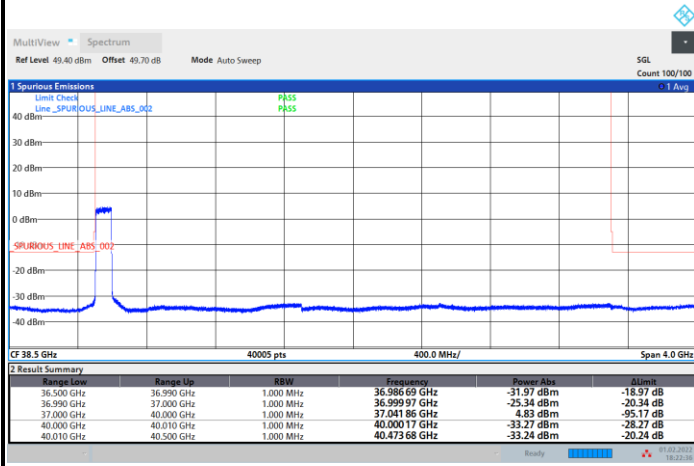




DFT-s-OFDM Module 2

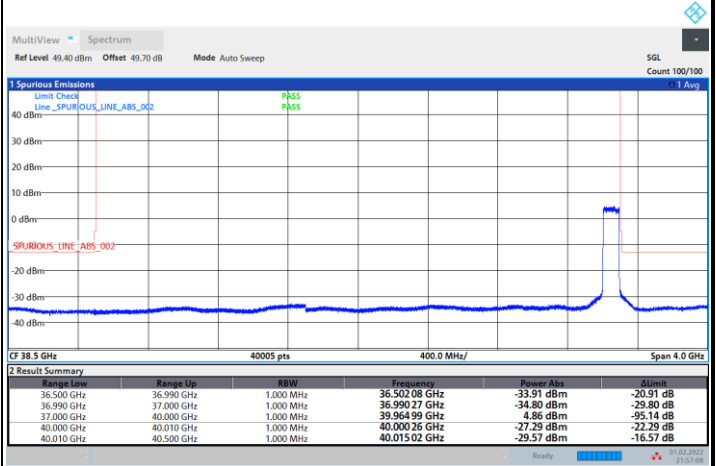
NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB



18:22:36 01.02.2022

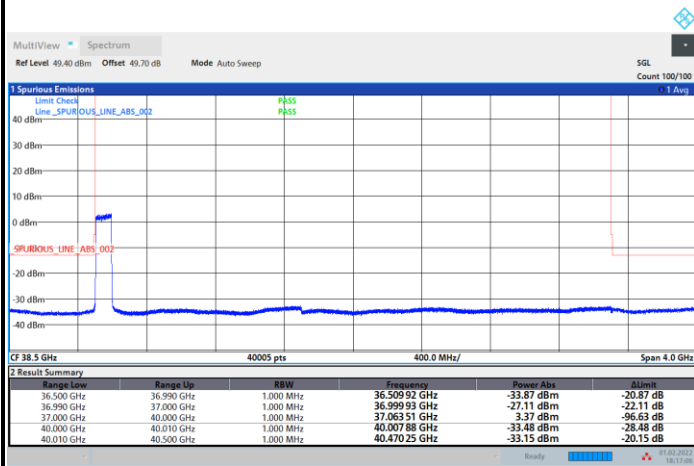
Highest Band Edge / Full RB



21:57:09 01.02.2022

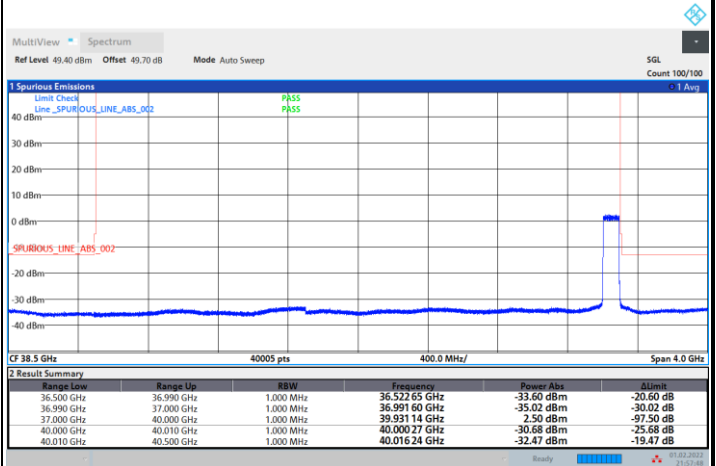
NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



18:17:06 01.02.2022

Highest Band Edge / Full RB



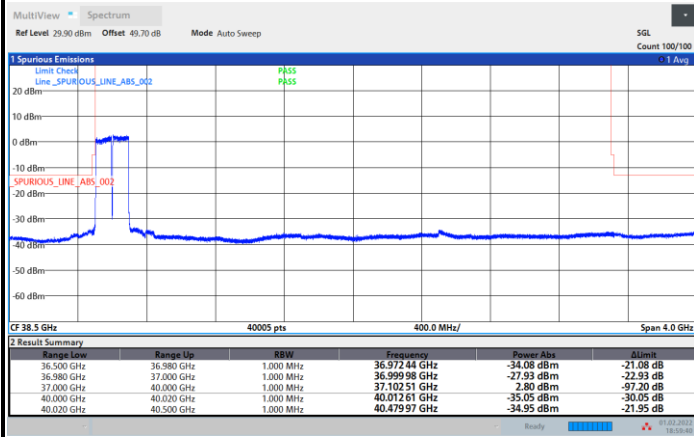
21:57:49 01.02.2022



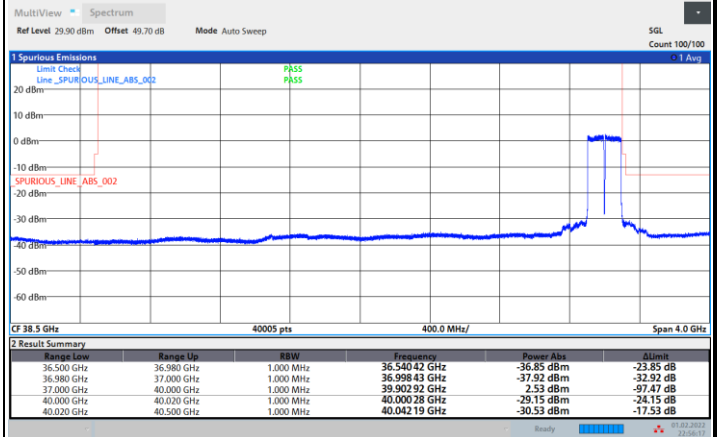
DFT-s-OFDM Module 2

NR Band n260 / 200MHz / BPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

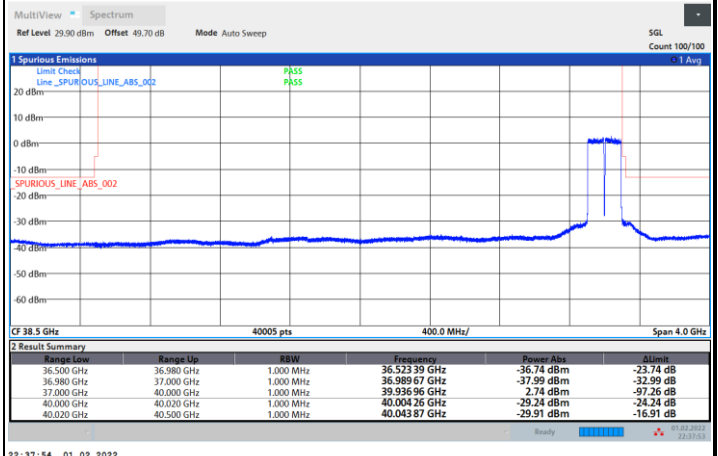


NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

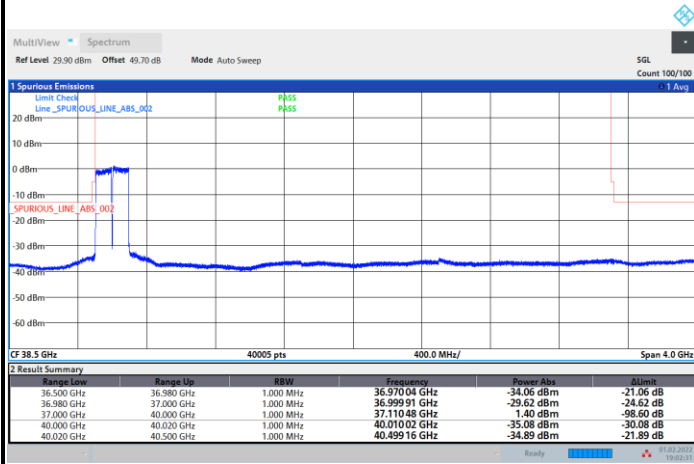




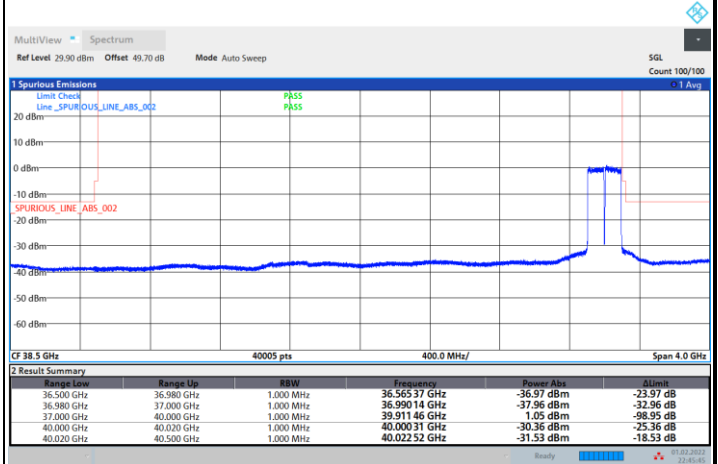
DFT-s-OFDM Module 2

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB

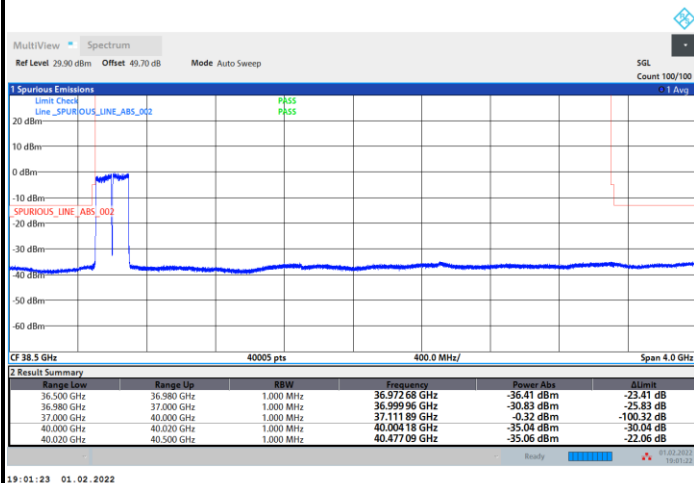


Highest Band Edge / Full RB

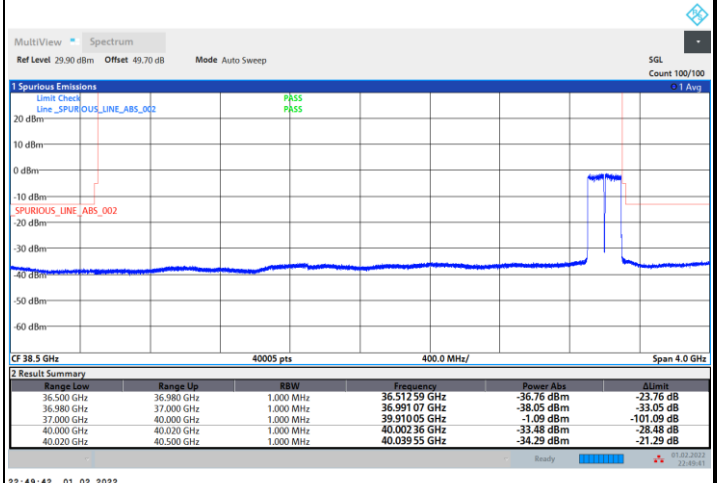


NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

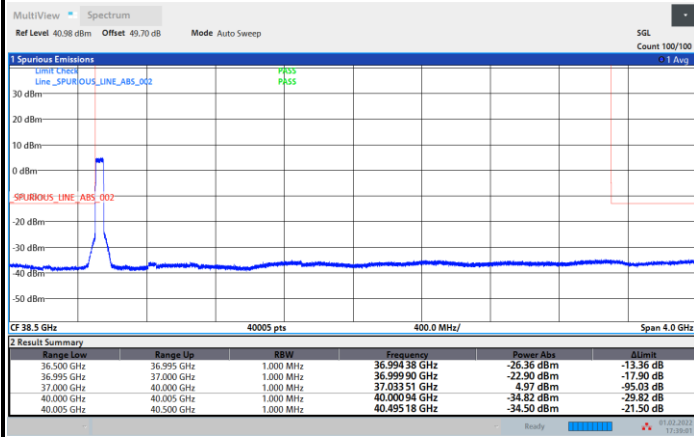




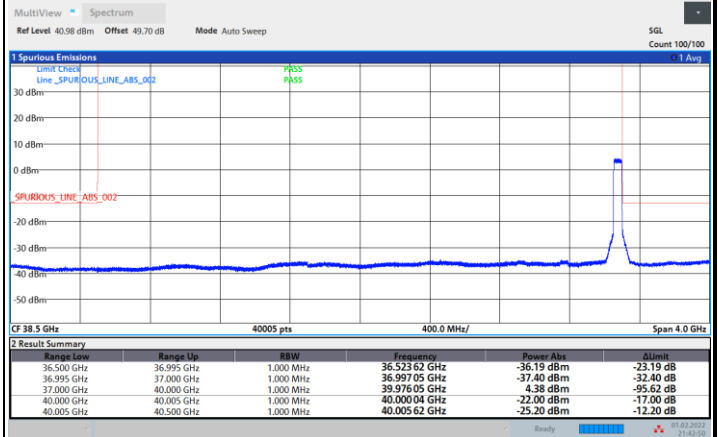
CP-OFDM Module 2

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

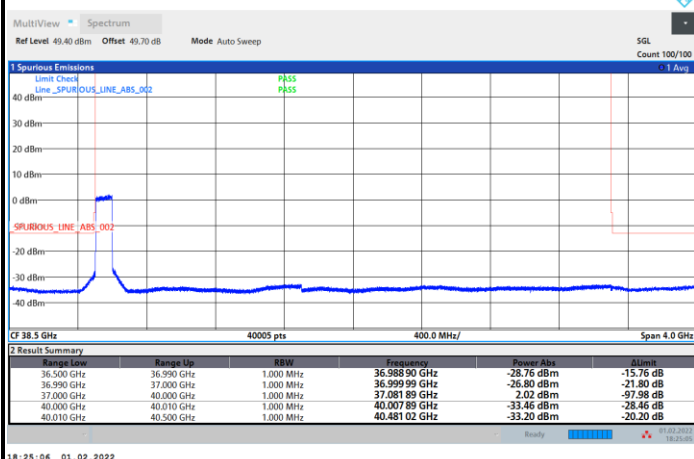


Highest Band Edge / Full RB

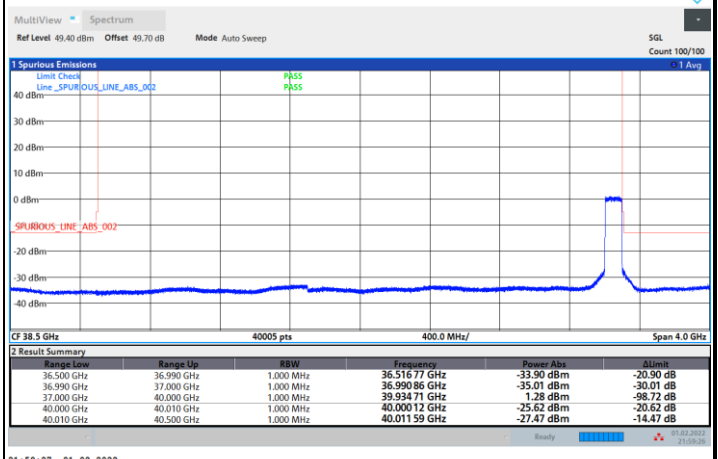


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



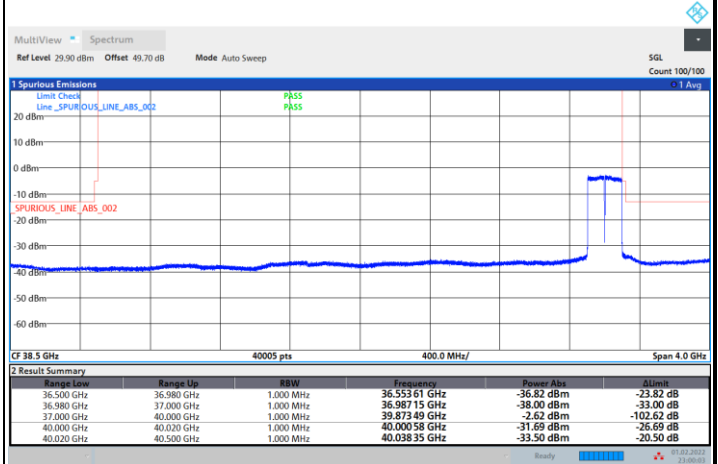
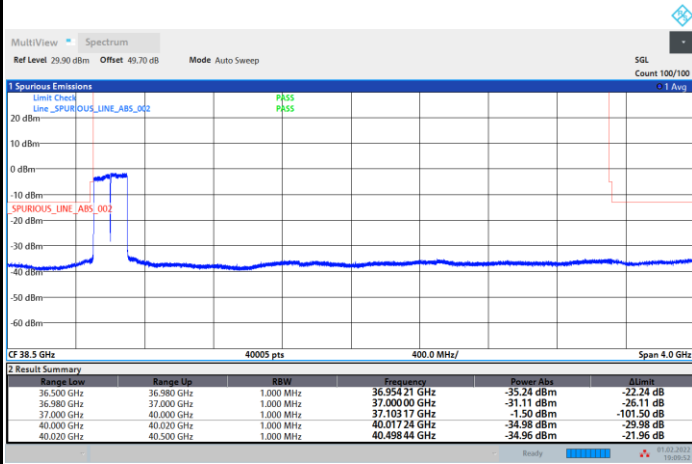


CP-OFDM Module 2

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



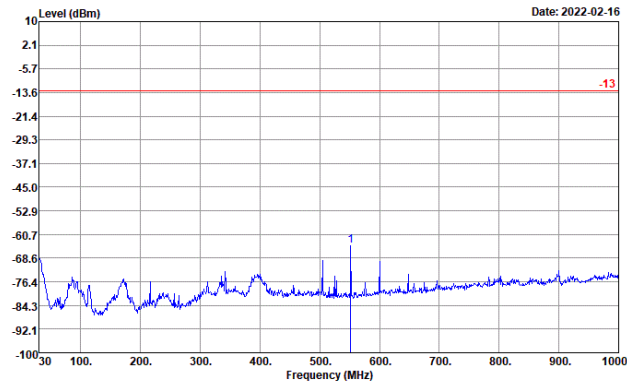
Spurious Emission

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

Only the noise floor is reported.

NR Band n260 (30MHz-1GHz)

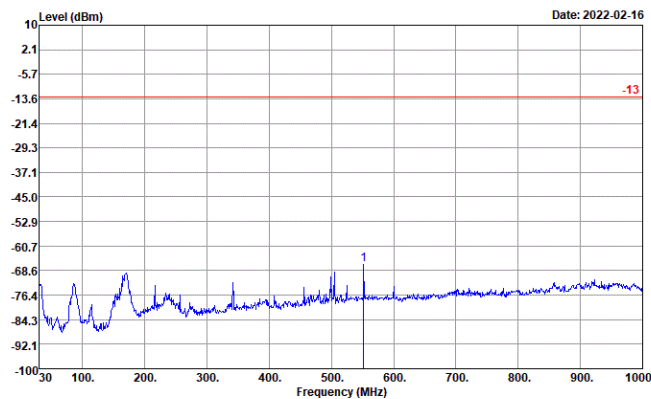
Horizontal



Site : 03CH19-HY
 Condition : -13 ERP EIRP_20210305 HORIZONTAL
 : RBW:120.000KHz VBW:300.000KHz SWT:0.500sec
 Project : 1D1645
 : n260 M2

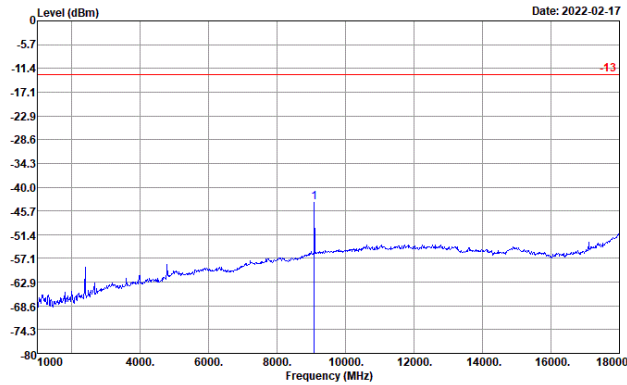
	Freq	Level	Over	Limit	Read
	MHz	dBm	Limit	Line	Level
	MHz	dBm	dB	dBm	dBm
1	551.86	-64.45	-51.45	-13.00	-64.69

Vertical



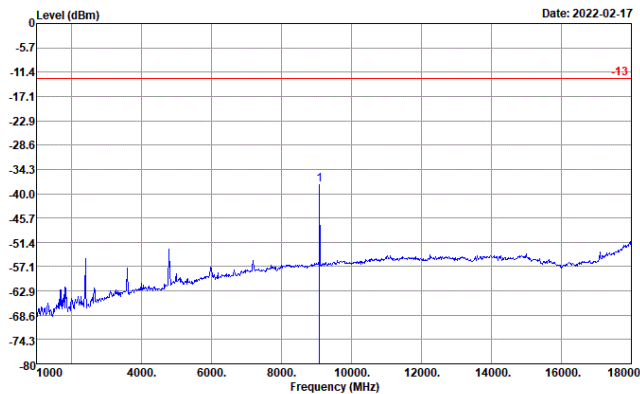
Site : 03CH19-HY
 Condition : -13 ERP EIRP_20210305 VERTICAL
 : RBW:120.000KHz VBW:300.000KHz SWT:0.500sec
 Project : 1D1645
 : n260 M2

	Freq	Level	Over	Limit	Read
	MHz	dBm	Limit	Line	Level
	MHz	dBm	dB	dBm	dBm
1	551.86	-66.75	-53.75	-13.00	-70.78

NR Band n260 (1GHz-18GHz)
Horizontal


Site : 03CH19-HY
 Condition : -13 ERP EIRP_20210305 HORIZONTAL
 : RBW:1000.000KHz VBW:3000.000KHz SWT:0.500sec
 Project : 1D1645
 : n260 M2

	Over	Limit	Read
Freq	Level	Limit	Line
MHz	dBm	dB	dBm
1	9092.00	-43.61	-30.61

Vertical


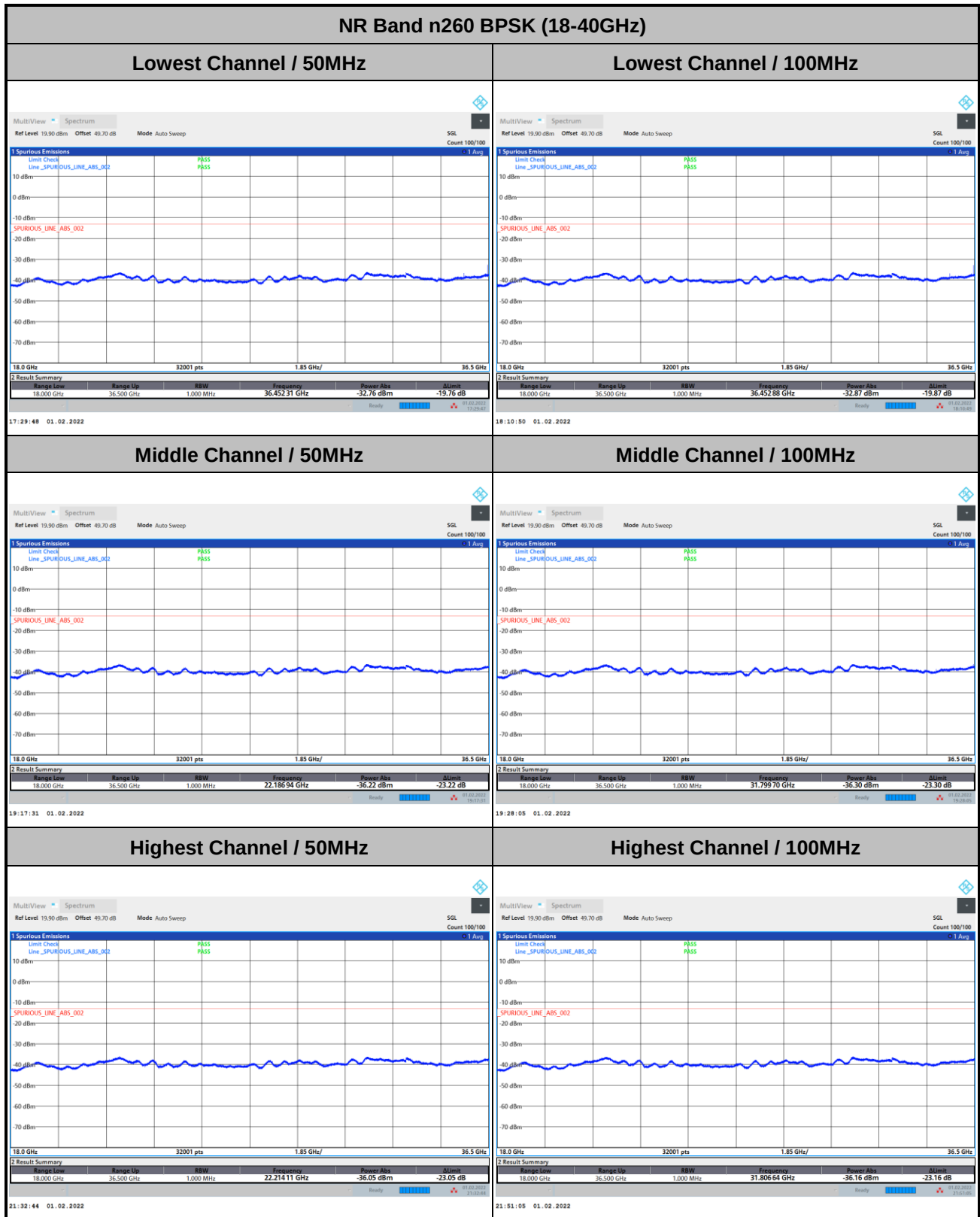
Site : 03CH19-HY
 Condition : -13 ERP EIRP_20210305 VERTICAL
 : RBW:1000.000KHz VBW:3000.000KHz SWT:0.500sec
 Project : 1D1645
 : n260 M2

	Over	Limit	Read
Freq	Level	Limit	Line
MHz	dBm	dB	dBm
1	9092.00	-37.91	-24.91



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

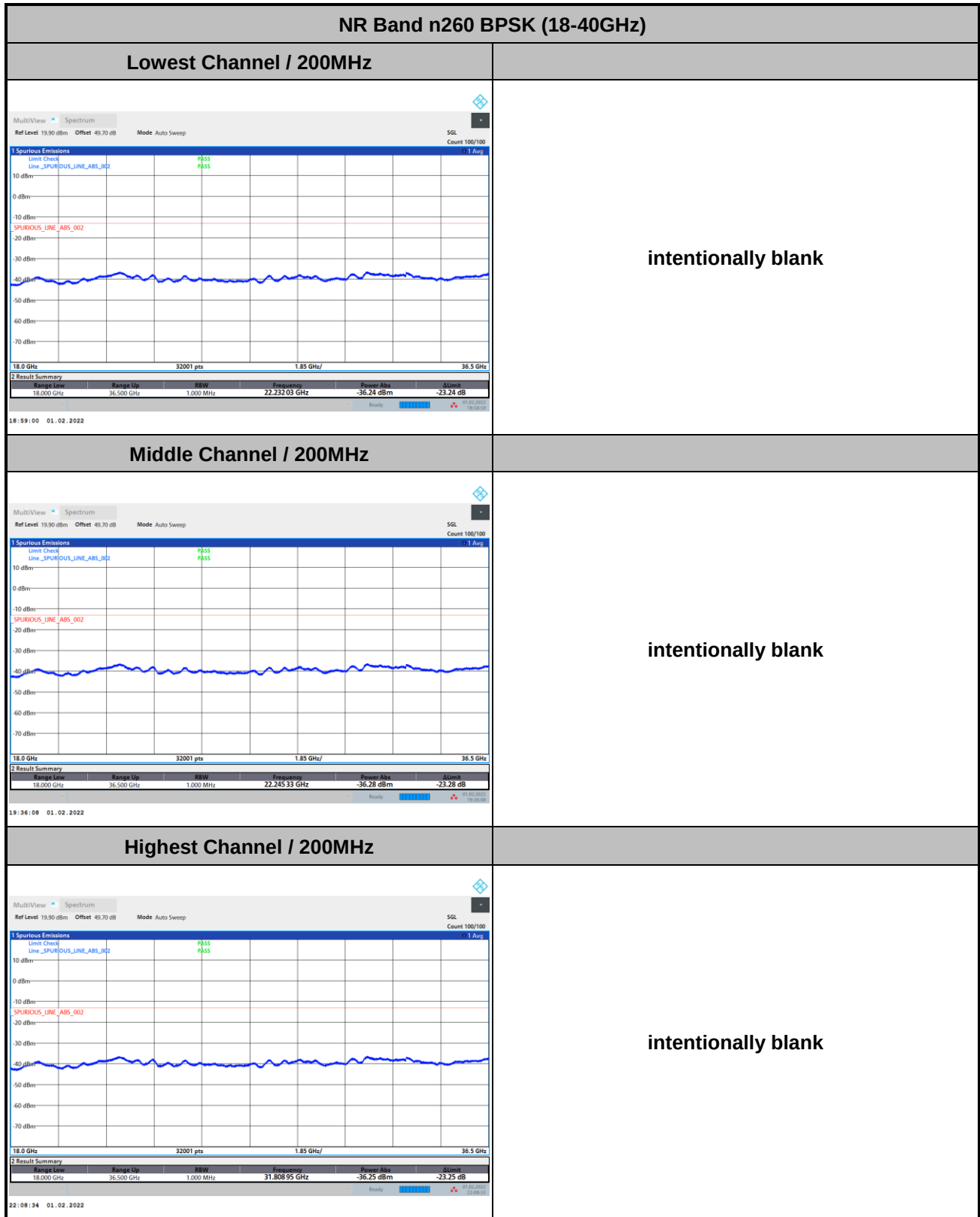
DFT-s-OFDM Module 2



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



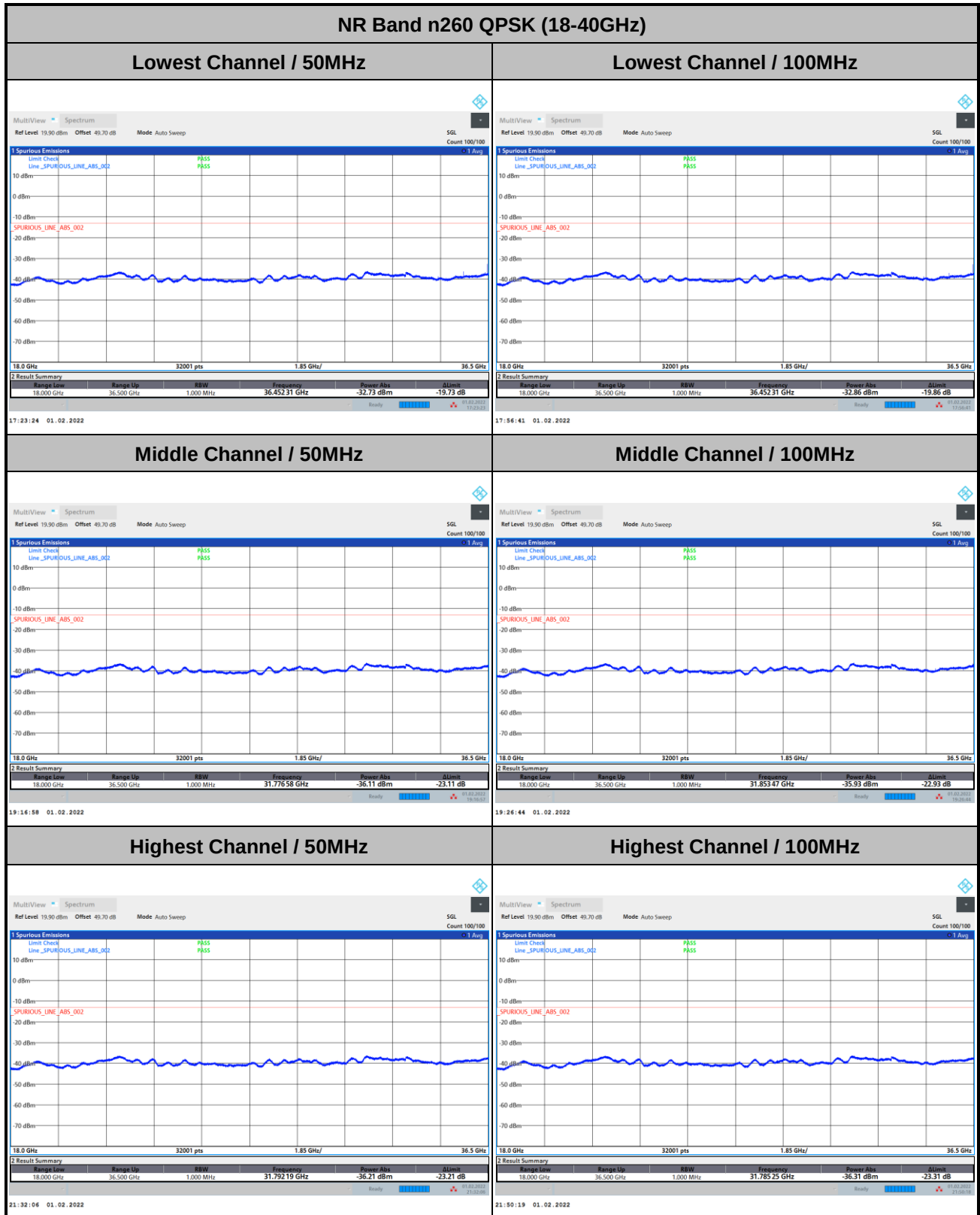
DFT-s-OFDM Module 2



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



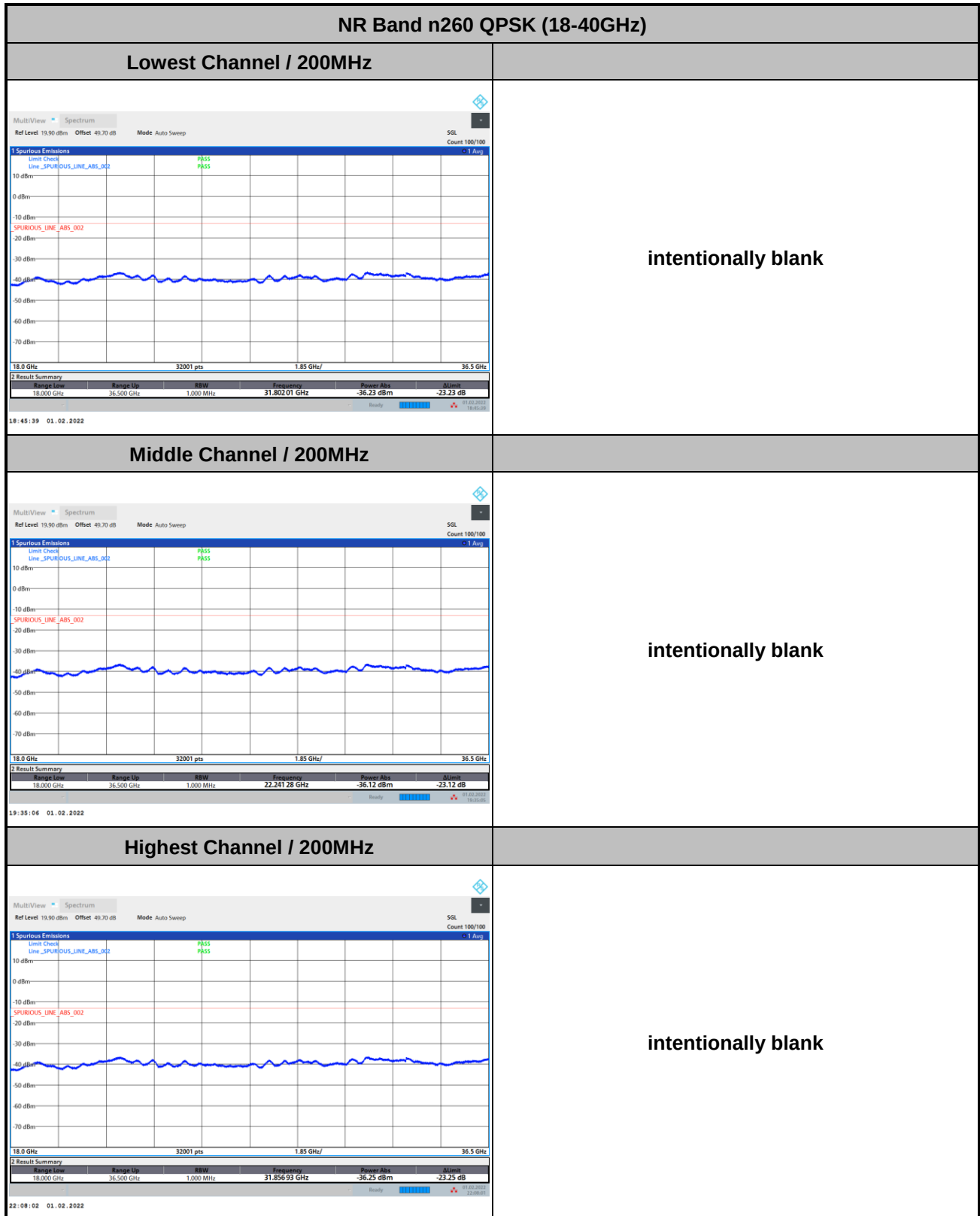
DFT-s-OFDM Module 2



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



DFT-s-OFDM Module 2



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



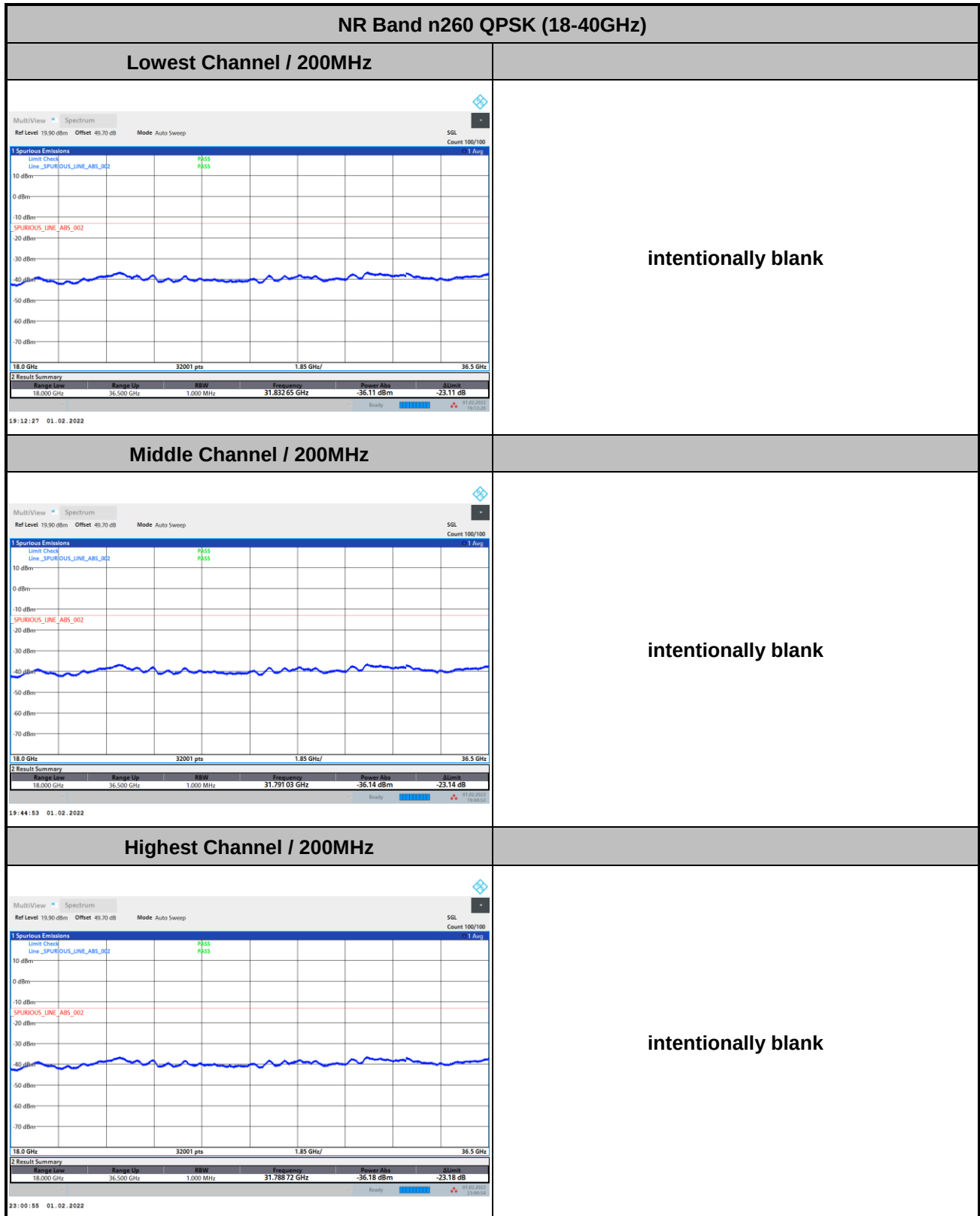
CP-OFDM Module 2



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

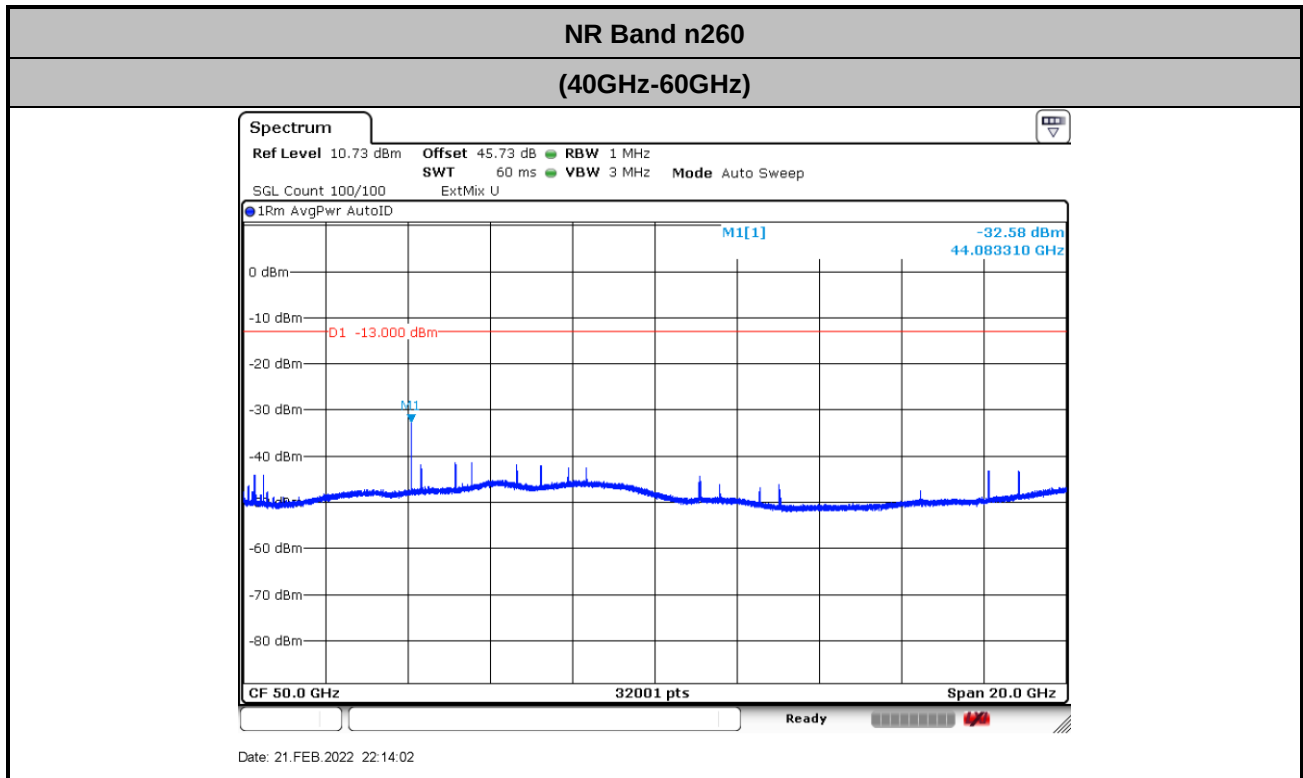


CP-OFDM Module 2

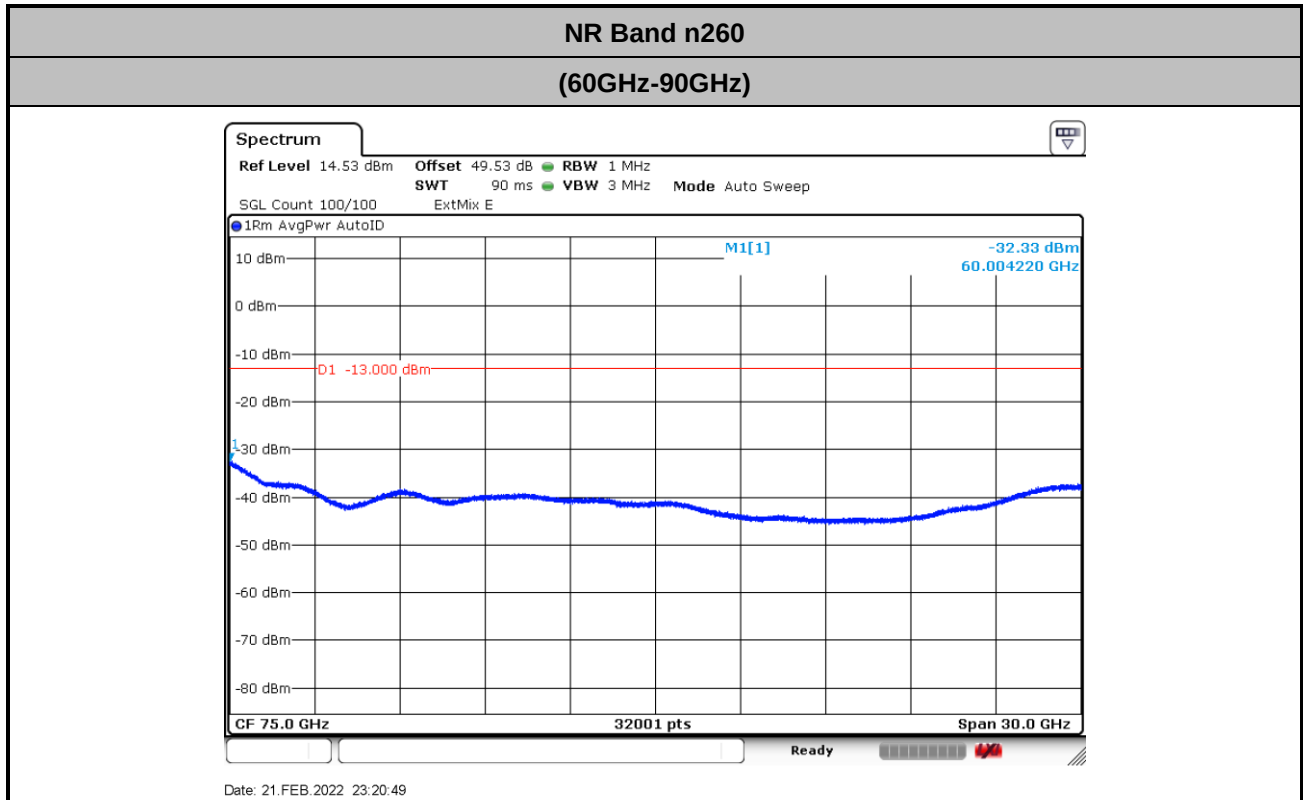


Remark: In band and out of band frequencies are omitted.

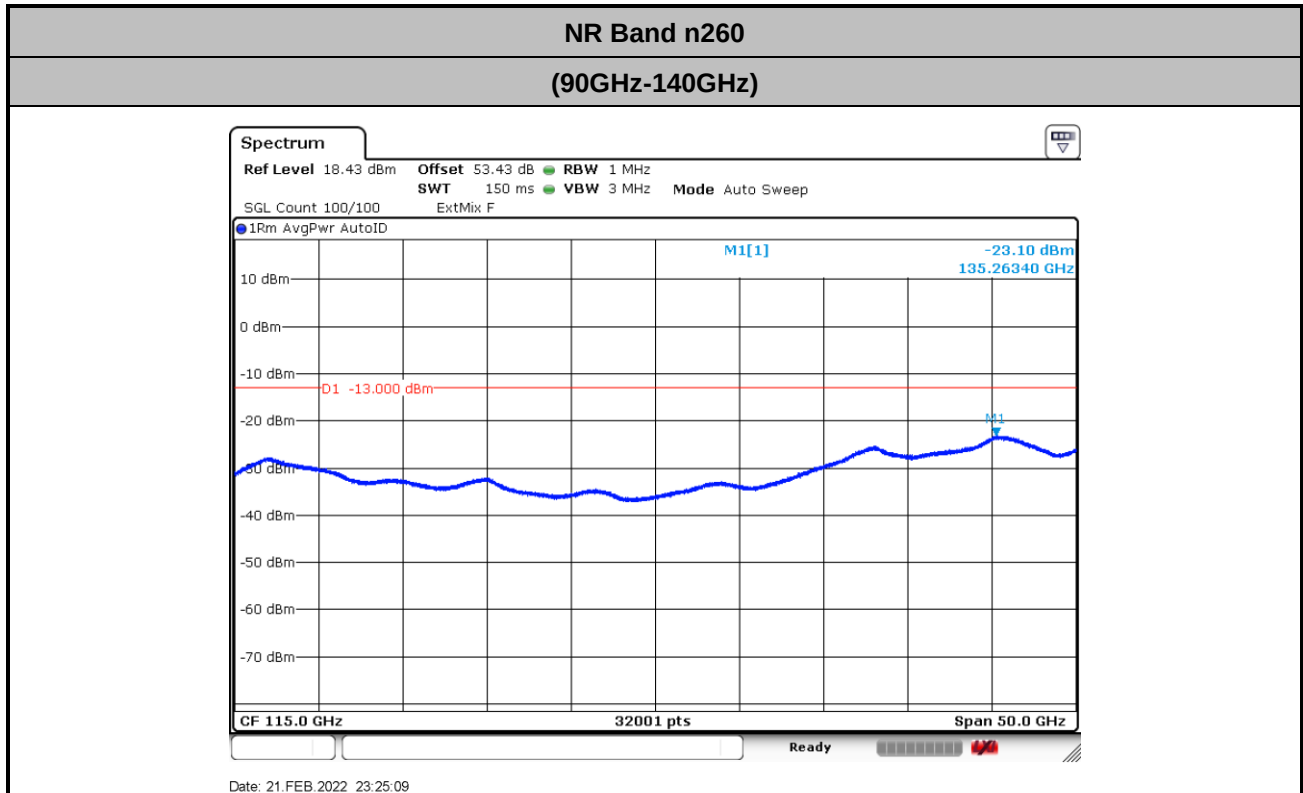
There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz.
Only the noise floor is reported.



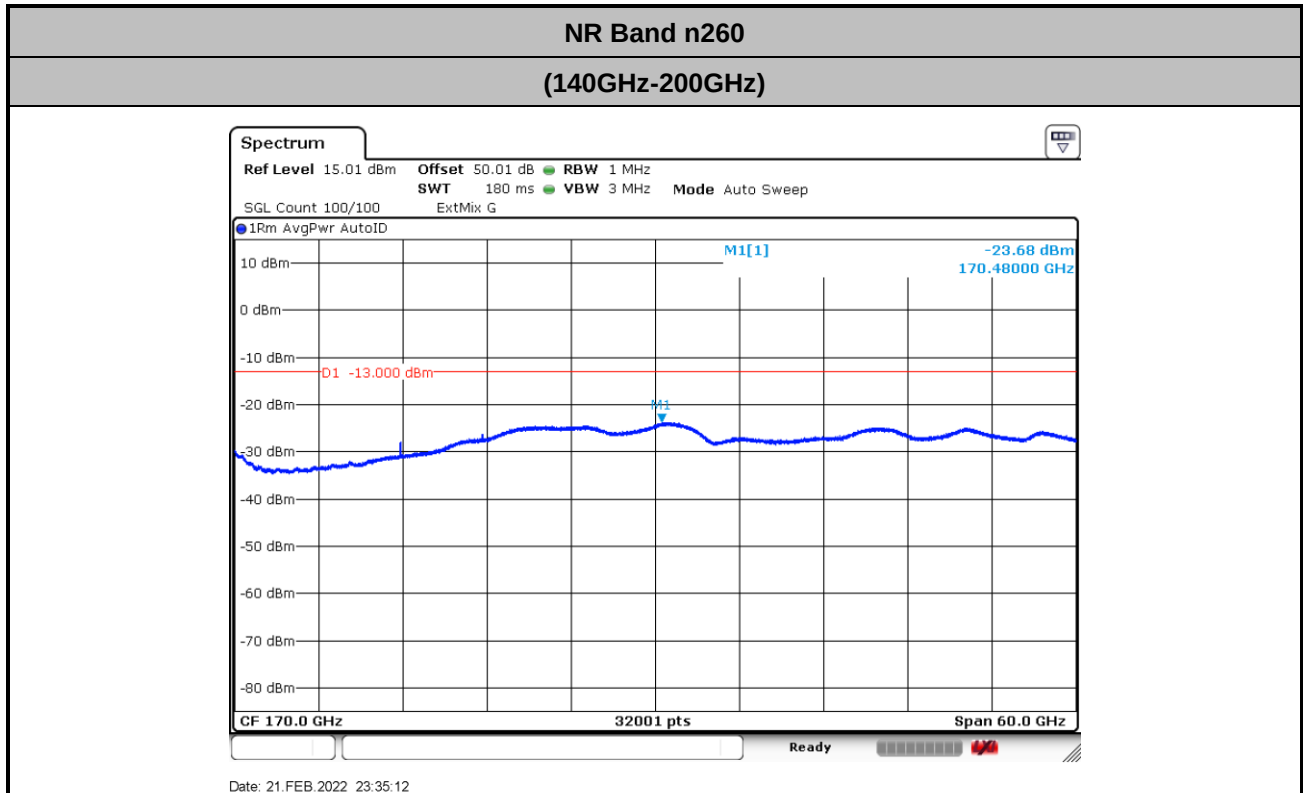
$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 43.1 + 0.43 + 107 + 20\log(1) - 104.8 = 45.73 \text{ (dB)} \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 46.9 + 0.43 + 107 + 20\log(1) - 104.8 = 49.53 \text{ (dB)} \end{aligned}$$



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8
 = 50.08 + 0.43 + 107 + 20log(1) – 104.8 = 53.43 (dB)



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 53.4 + 0.43 + 107 + 20\log(0.5) - 104.8 = 50.01 \text{ (dB)} \end{aligned}$$

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	38.4998921	107.900	2.803	PASS
40	Normal Voltage	38.4999091	90.900	2.361	
30	Normal Voltage	38.4999451	54.900	1.426	
20(Ref.)	Normal Voltage	38.5	0.000	0.000	
10	Normal Voltage	38.500047	-47.000	1.221	
0	Normal Voltage	38.5002028	-202.800	5.268	
-10	Normal Voltage	38.5002488	-248.800	6.462	
-20	Normal Voltage	38.5002737	-273.700	7.109	
-30	Normal Voltage	38.5002867	-286.700	7.447	
20	Maximum Voltage	38.499997	3.000	0.078	
20	Normal Voltage	38.500001	-1.000	0.026	
20	Battery End Point	38.500003	-3.000	0.078	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.4 V. ; Maximum Voltage =4.35 V.
2. The frequency fundamental emissions stay within the operation band.



NR Band n261 Module 0

Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n261 : 99%OBW(MHz)											
BW	50MHz				100MHz				200MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	46.07	45.84	45.94	45.90	91.00	91.69	91.54	91.27	189.36	189.82	190.08	189.81
Middle CH	46.07	46.21	46.03	46.06	91.89	91.87	91.58	91.80	190.46	189.98	190.05	190.45
Highest CH	46.02	46.15	45.98	46.04	91.88	91.74	91.41	91.79	190.50	190.34	190.17	190.54

Mode	CP-OFDM Module 0 NR Band n261 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	45.80	94.26	192.34
Middle CH	46.00	94.37	192.87
Highest CH	46.01	94.32	192.83