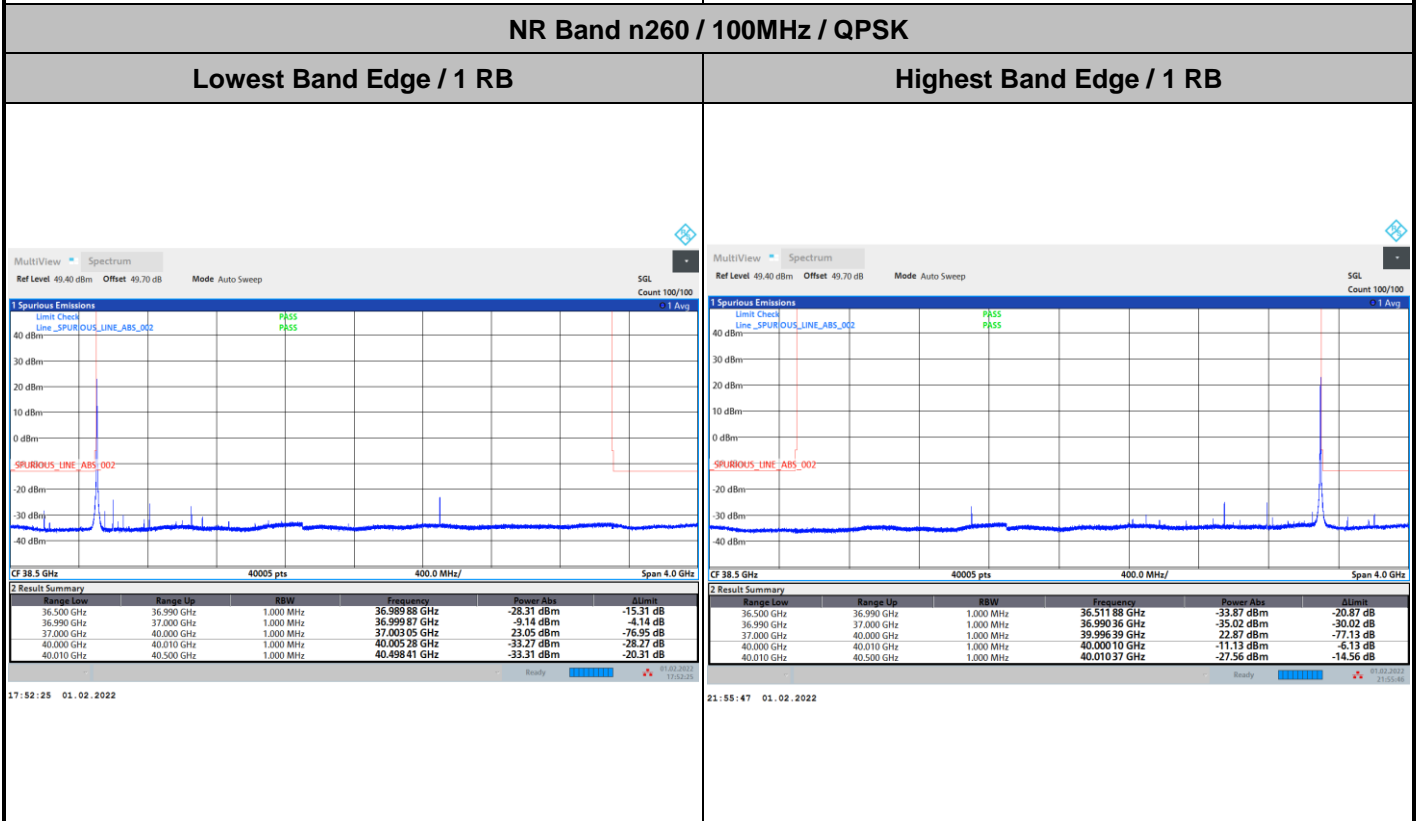
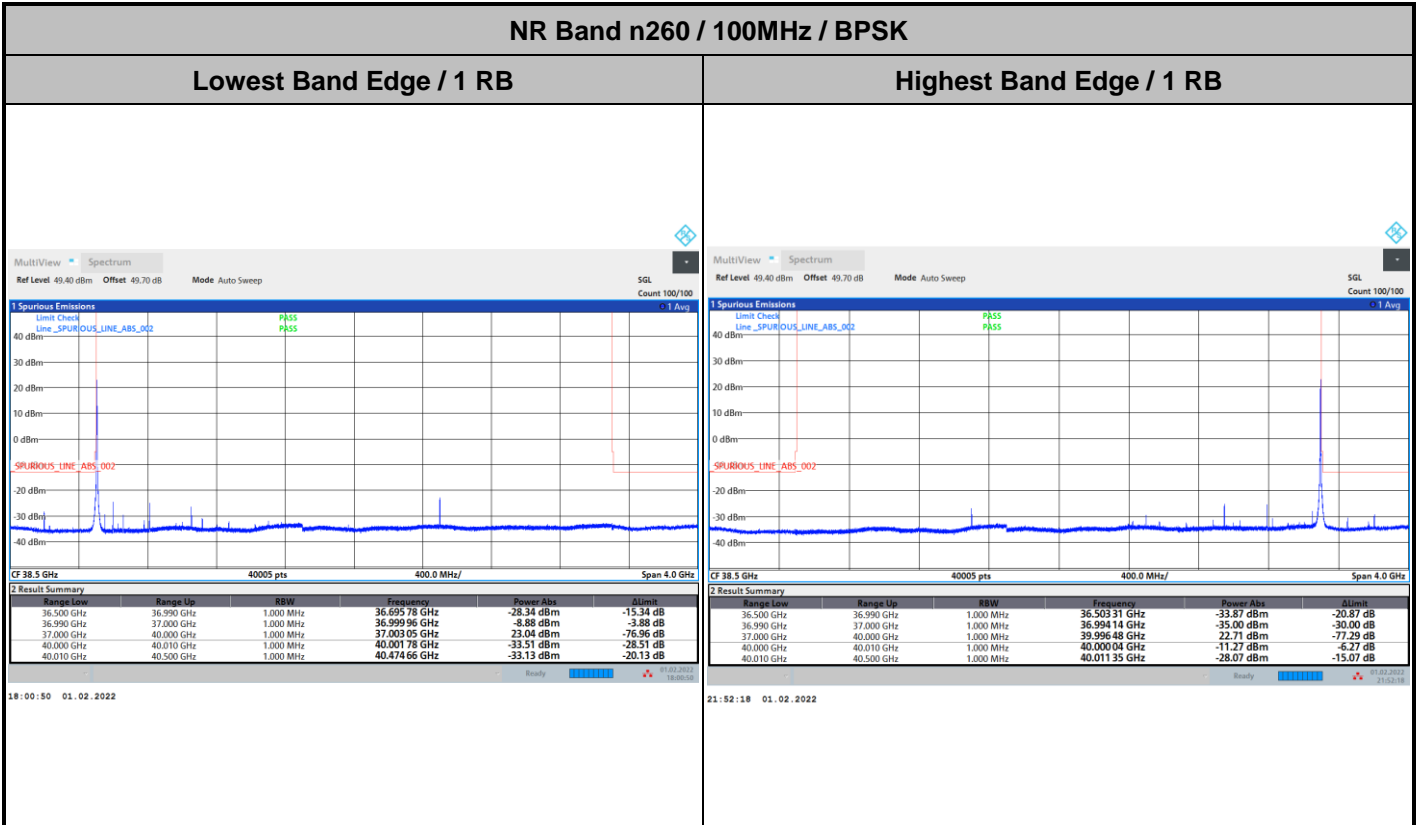




DFT-s-OFDM Module 2



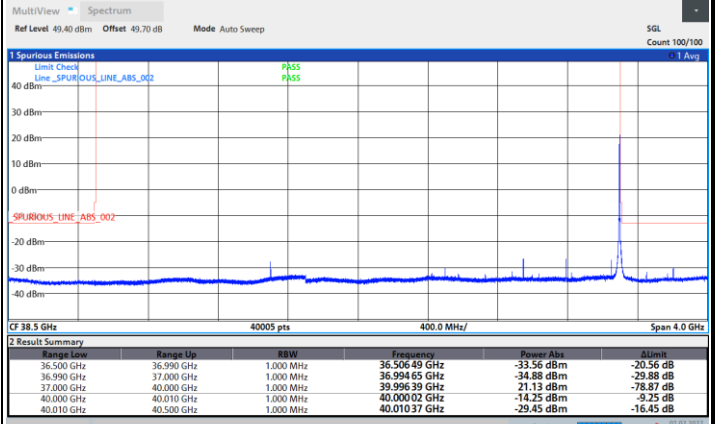
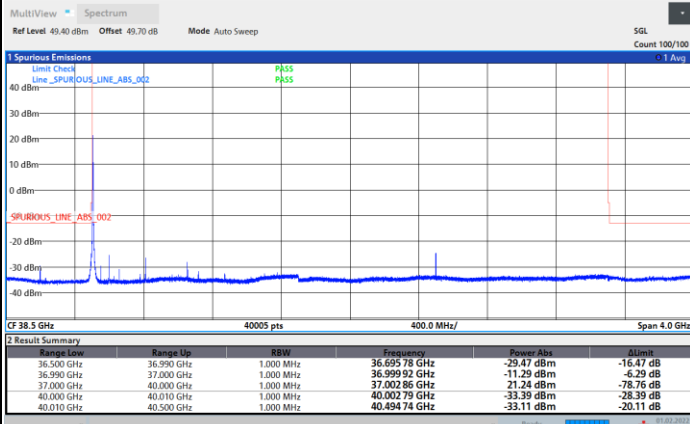


DFT-s-OFDM Module 2

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / 1 RB

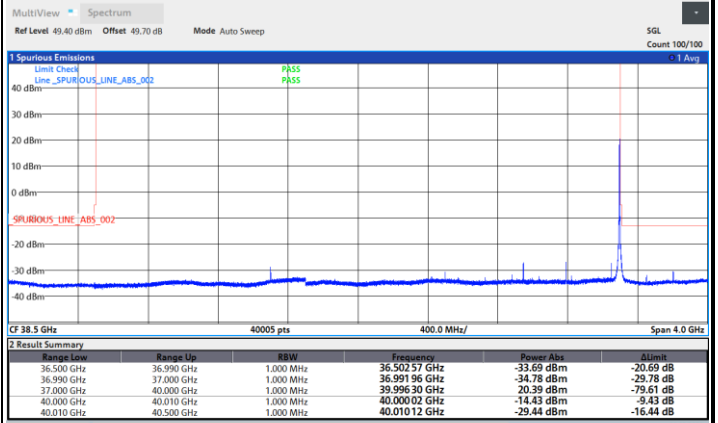
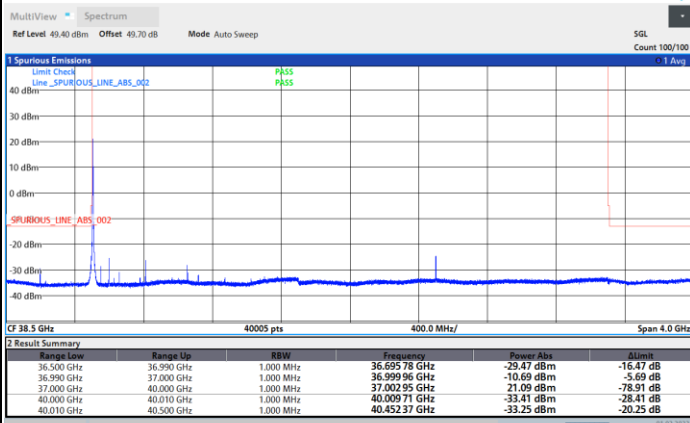
Highest Band Edge / 1 RB



NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



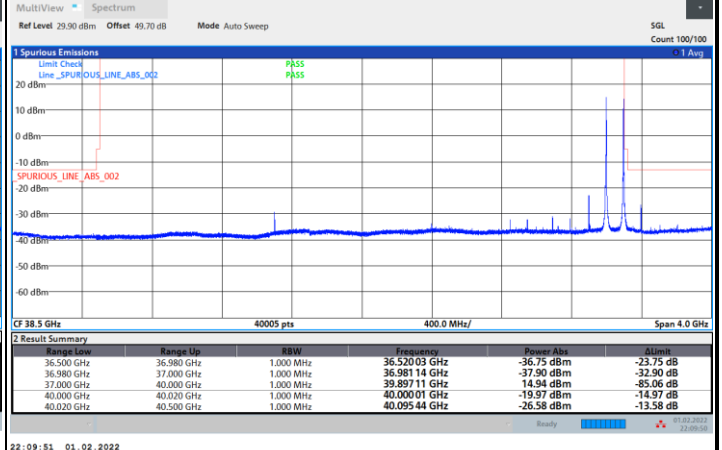
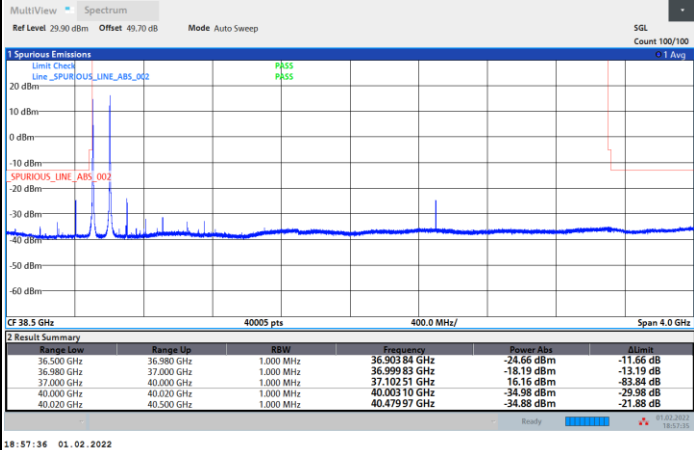


DFT-s-OFDM Module 2

NR Band n260 / 200MHz / BPSK

Lowest Band Edge / 1 RB

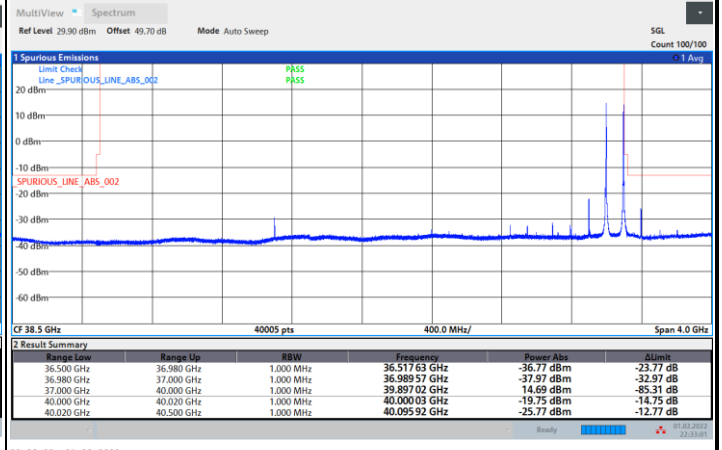
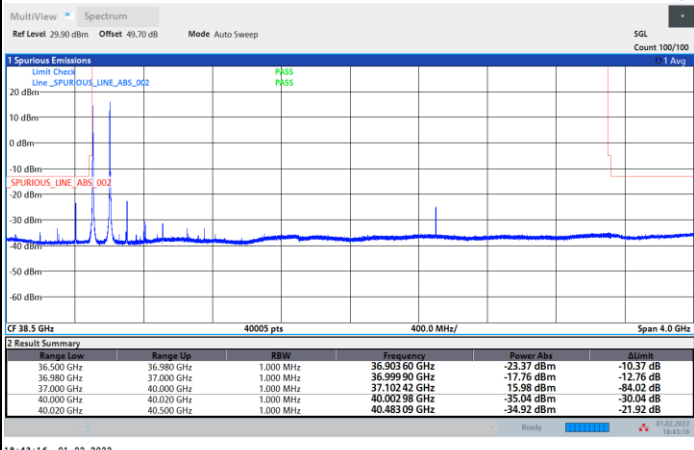
Highest Band Edge / 1 RB



NR Band n260 / 200MHz / QPSK

Lowest Band Edge / 1 RB

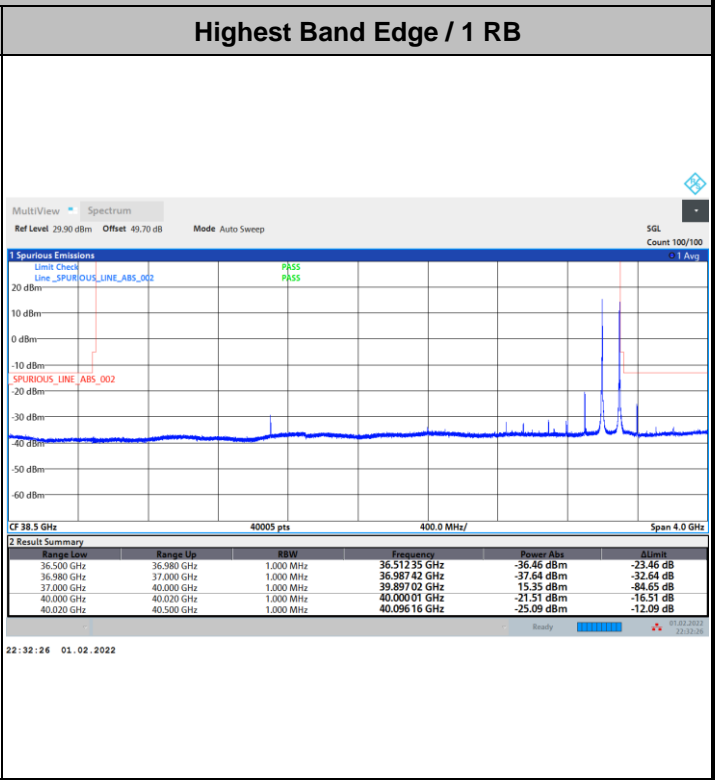
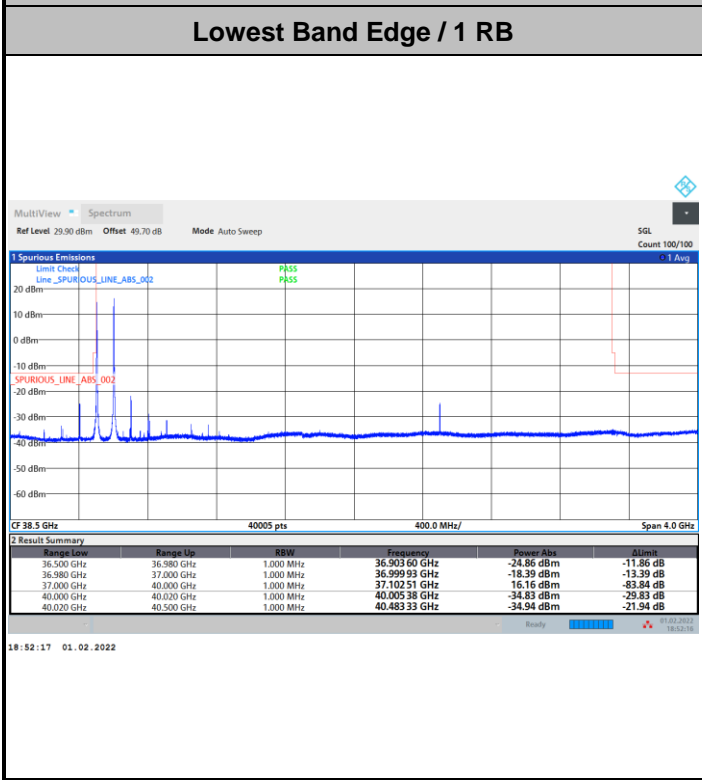
Highest Band Edge / 1 RB



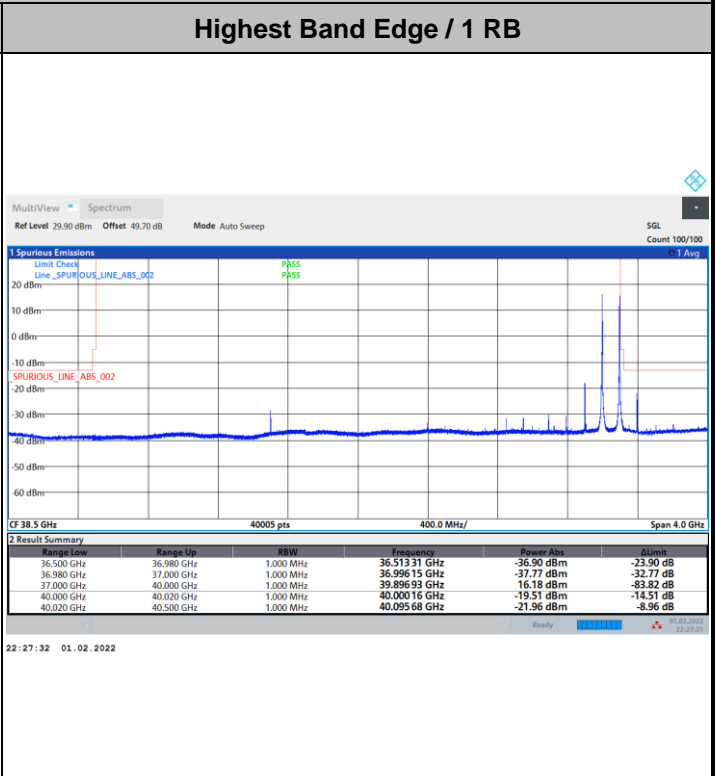
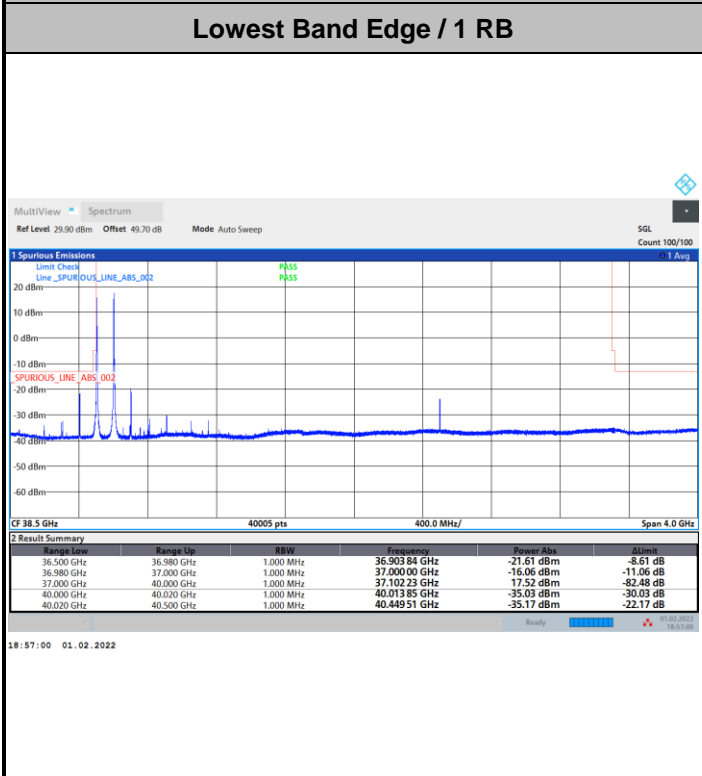


DFT-s-OFDM Module 2

NR Band n260 / 200MHz / 16QAM



NR Band n260 / 200MHz / 64QAM



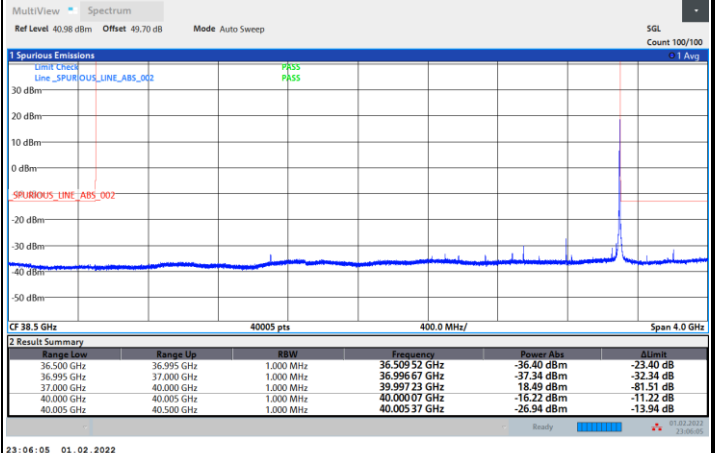
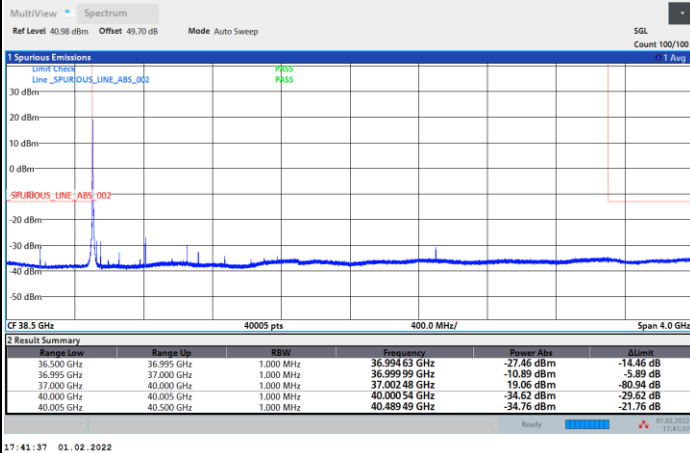


CP-OFDM Module 2

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB

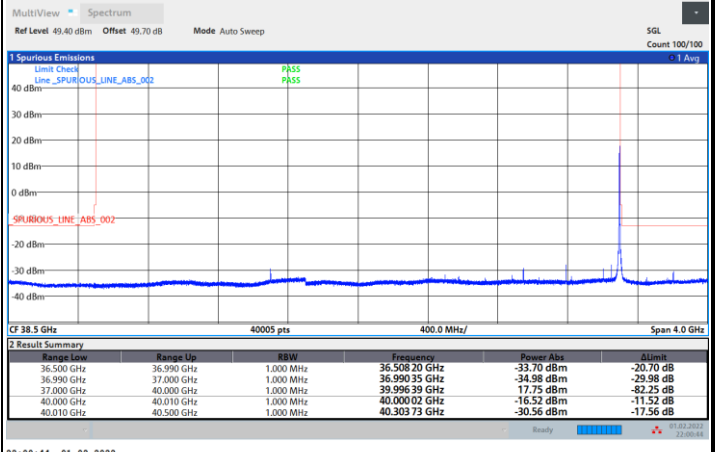
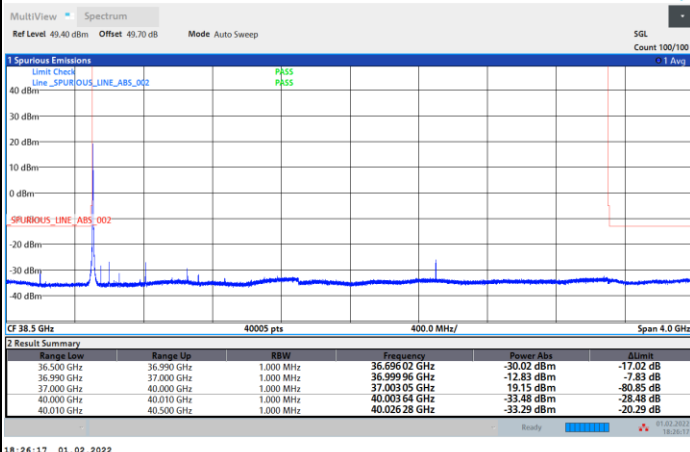
Highest Band Edge / 1 RB



NR Band n260 / 100MHz / QPSK

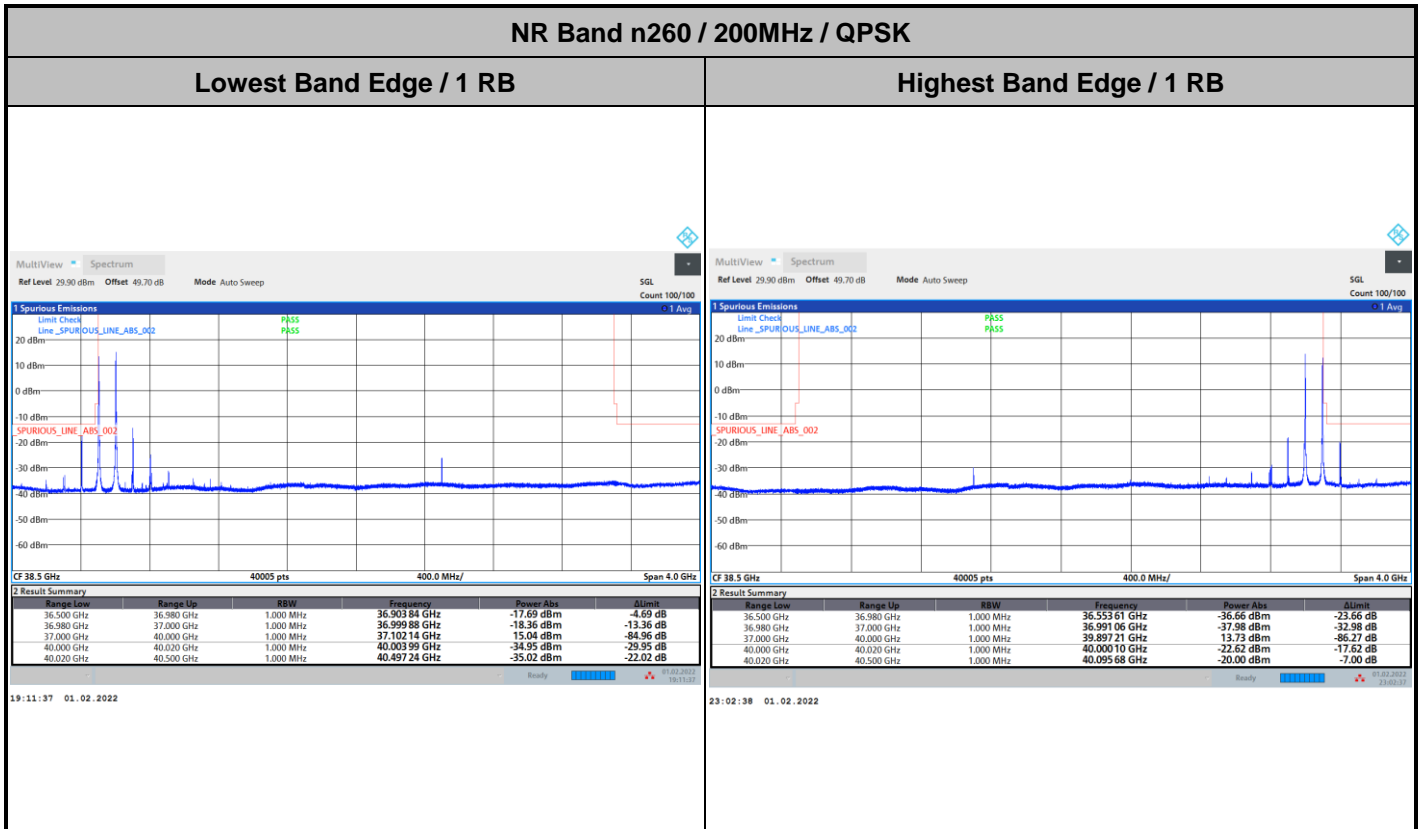
Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB





CP-OFDM Module 2

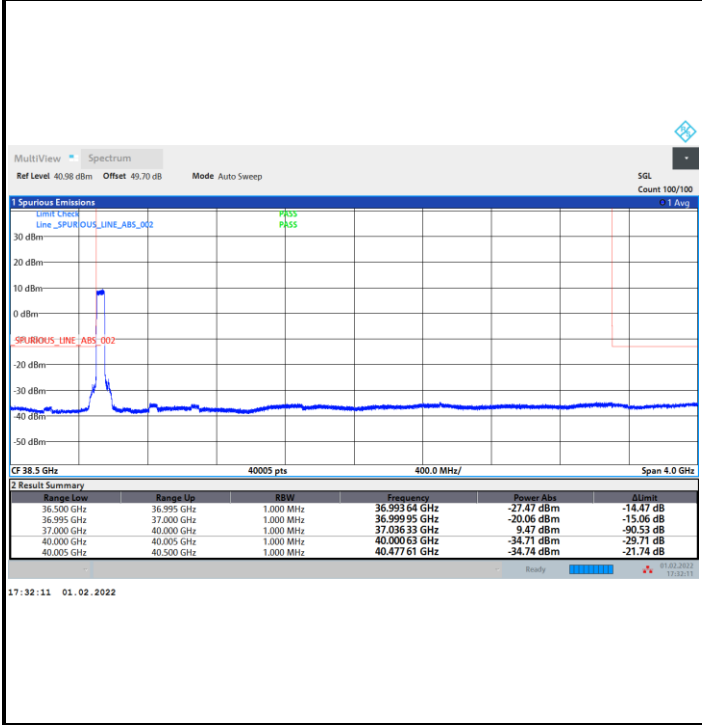




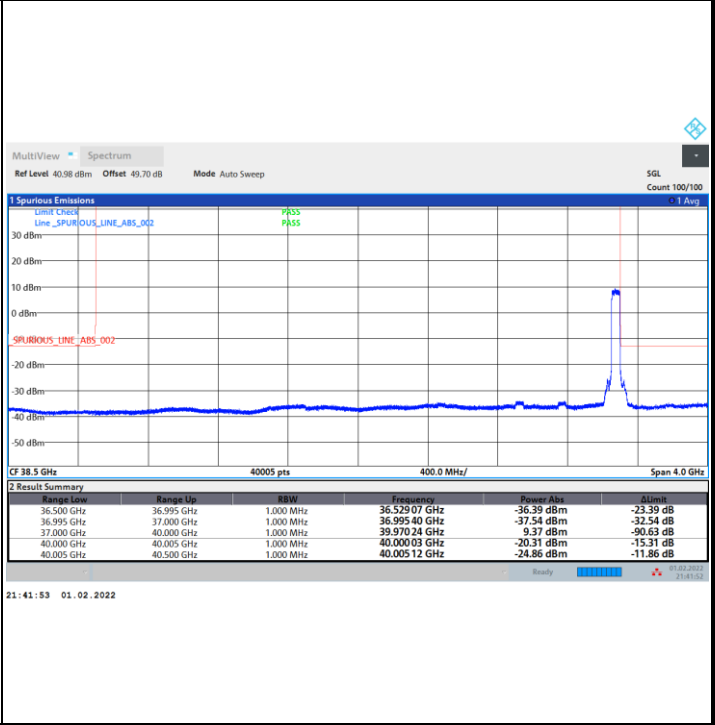
DFT-s-OFDM Module 2

NR Band n260 / 50MHz / BPSK

Lowest Band Edge / Full RB

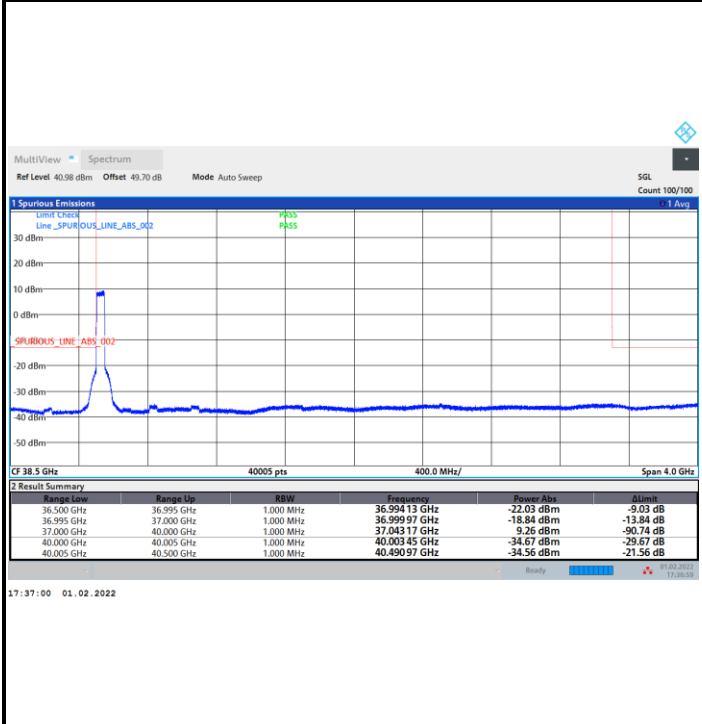


Highest Band Edge / Full RB

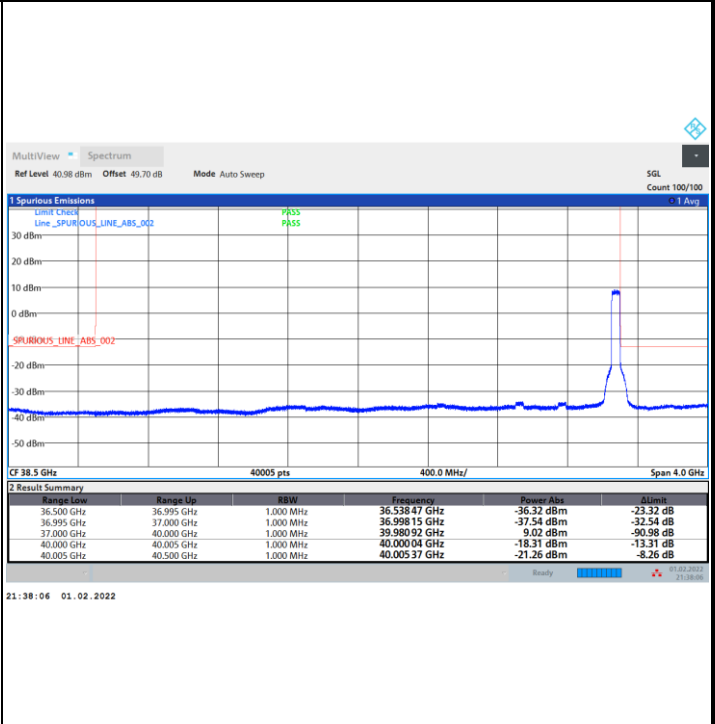


NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

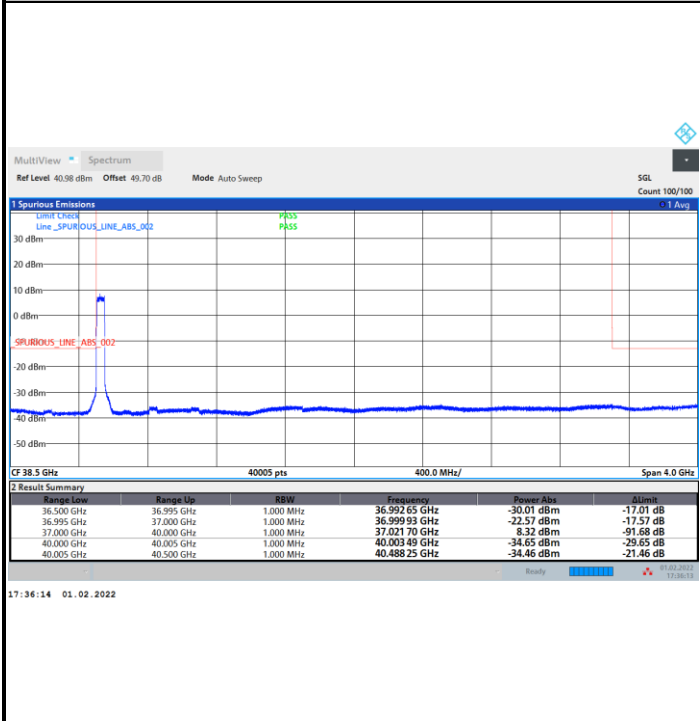




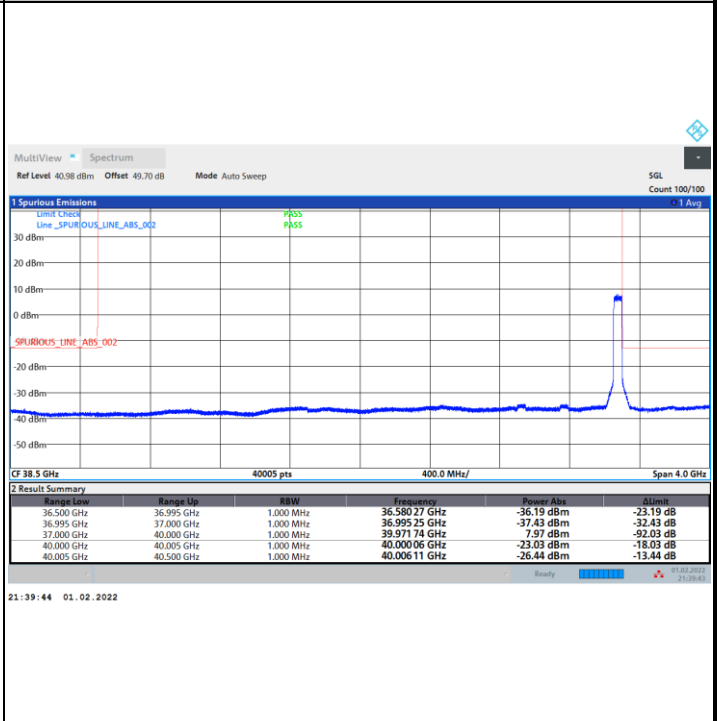
DFT-s-OFDM Module 2

NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / Full RB

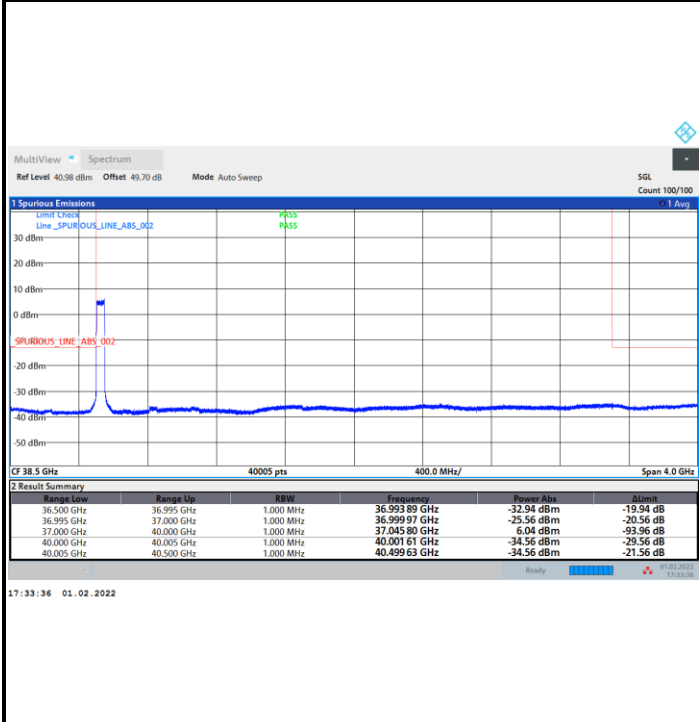


Highest Band Edge / Full RB

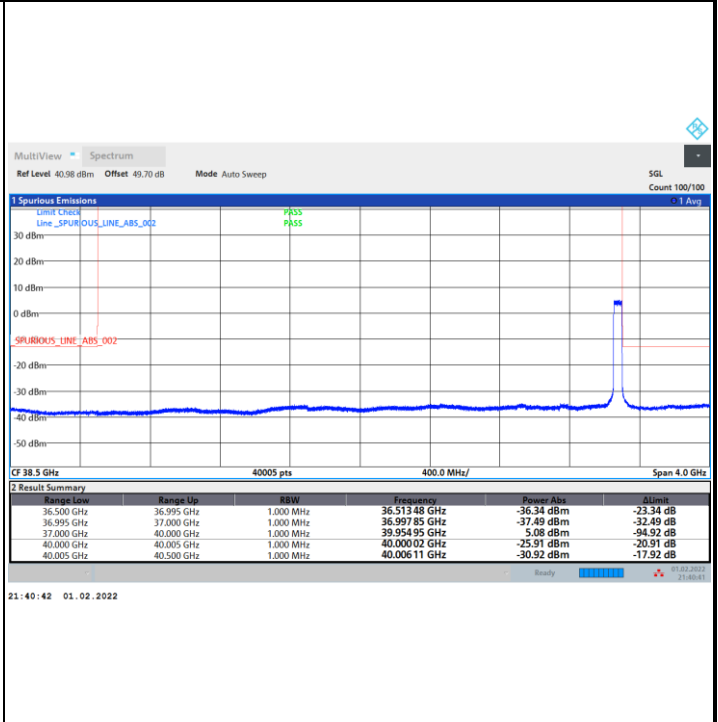


NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

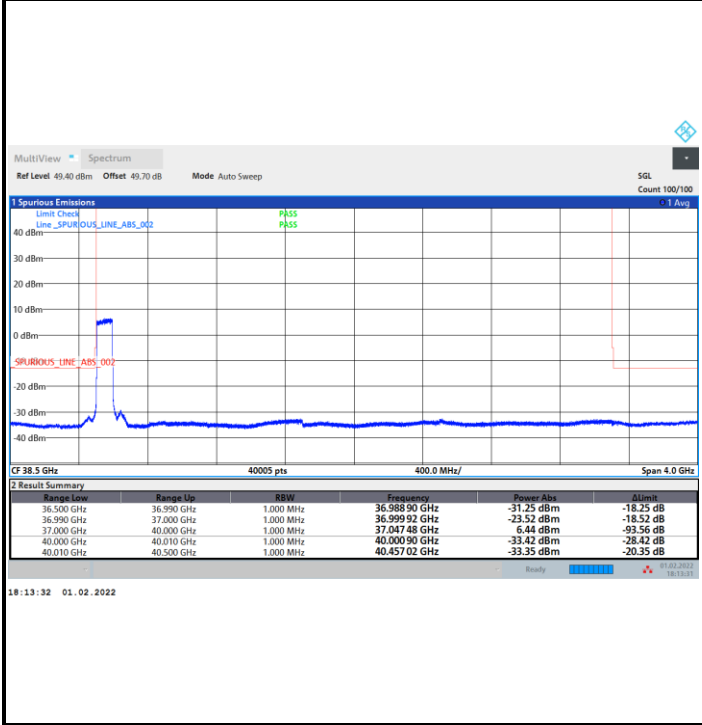




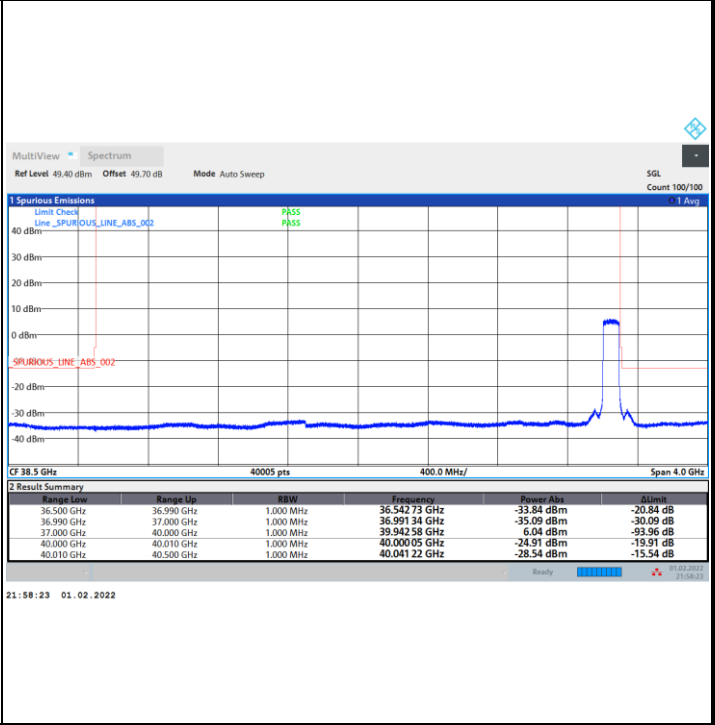
DFT-s-OFDM Module 2

NR Band n260 / 100MHz / BPSK

Lowest Band Edge / Full RB

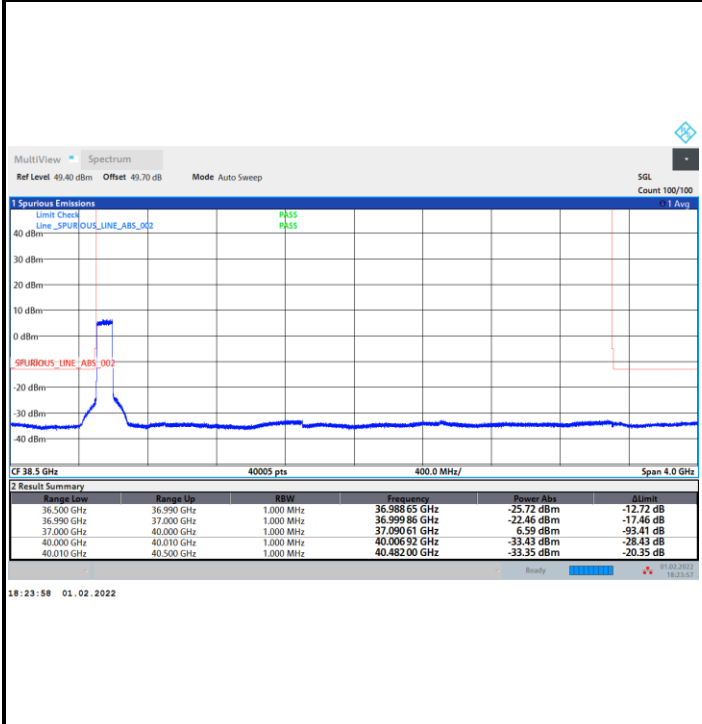


Highest Band Edge / Full RB

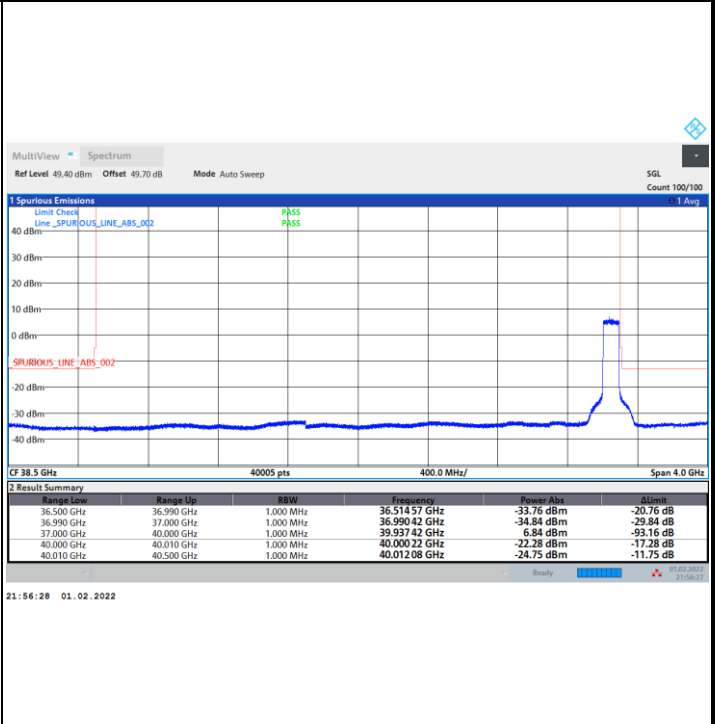


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

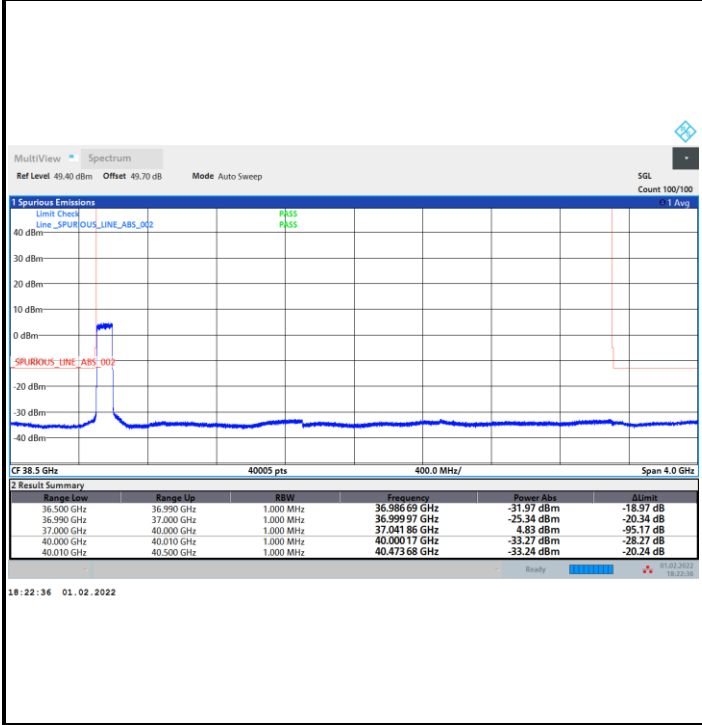




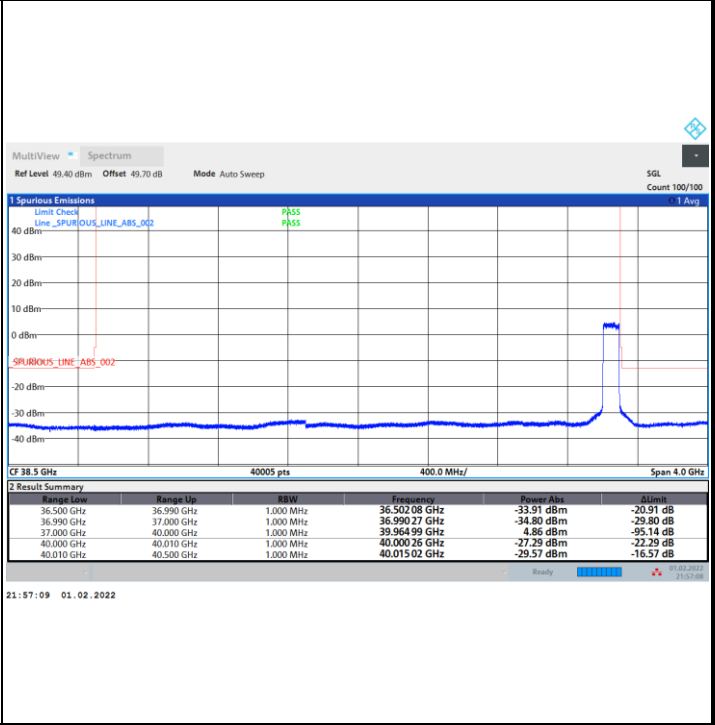
DFT-s-OFDM Module 2

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB

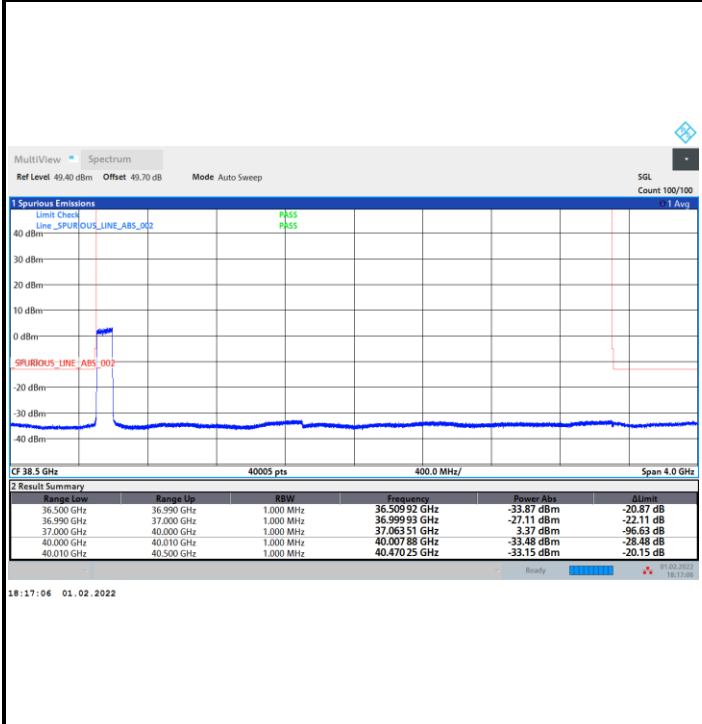


Highest Band Edge / Full RB

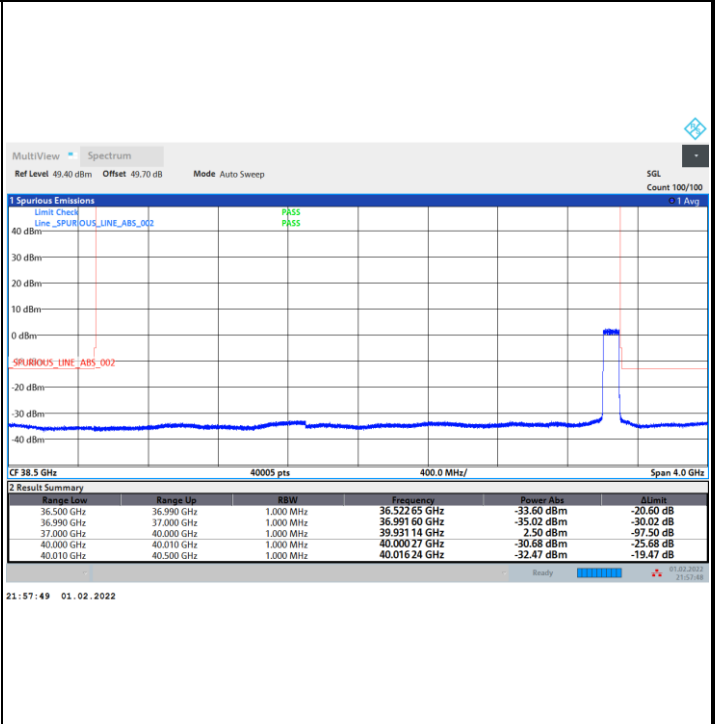


NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

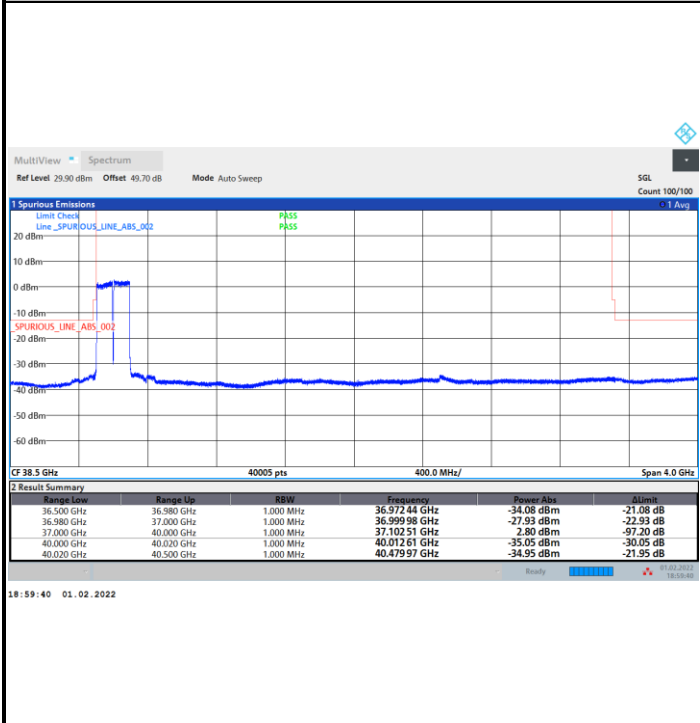




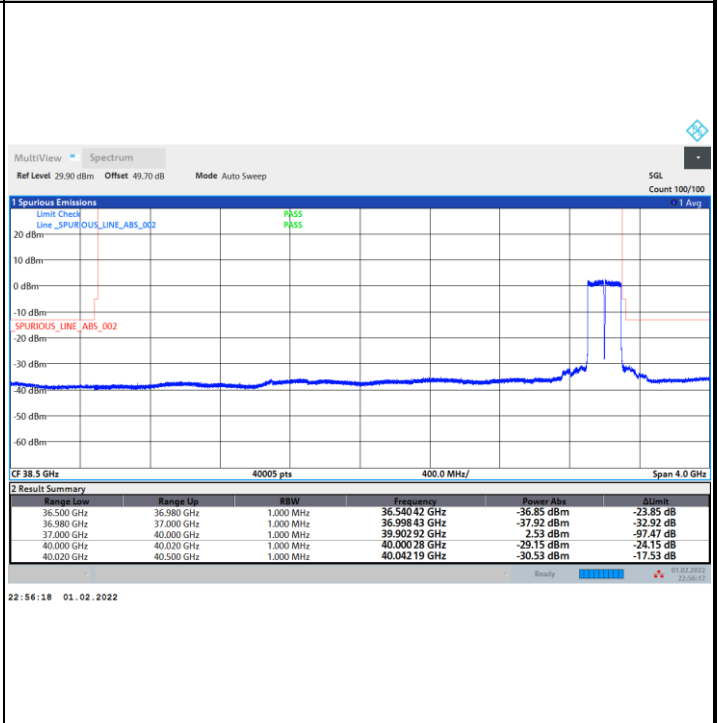
DFT-s-OFDM Module 2

NR Band n260 / 200MHz / BPSK

Lowest Band Edge / Full RB

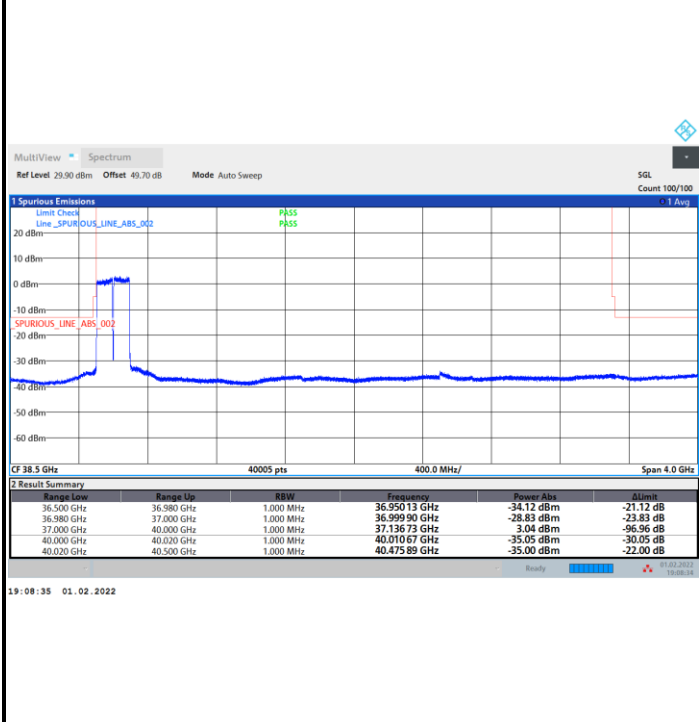


Highest Band Edge / Full RB

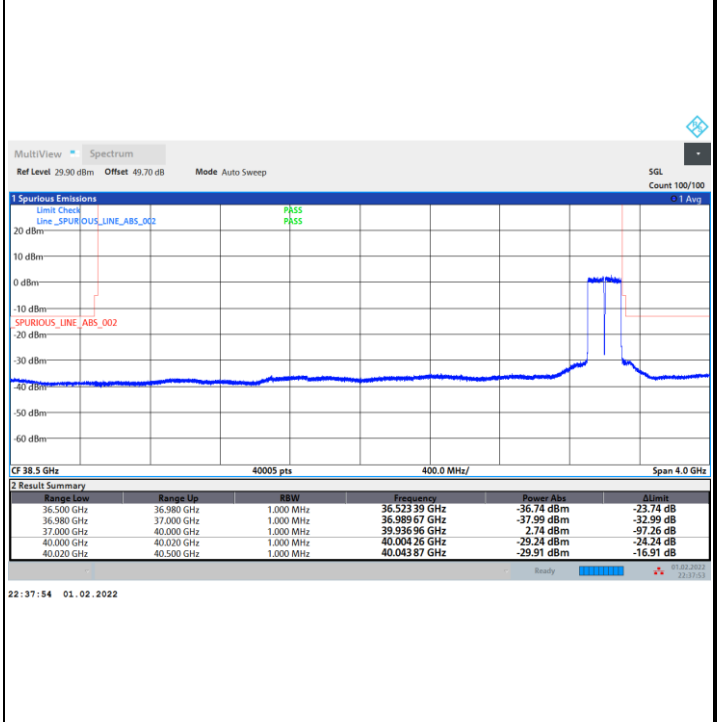


NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

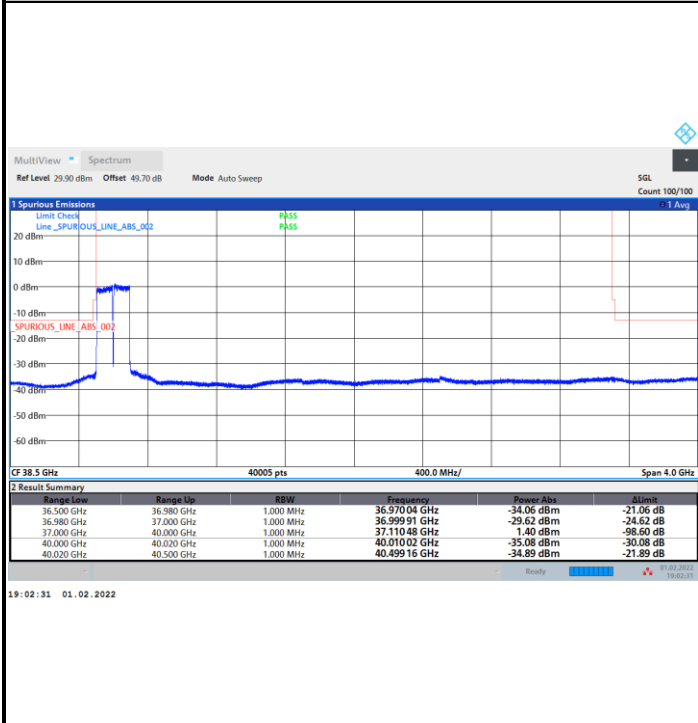




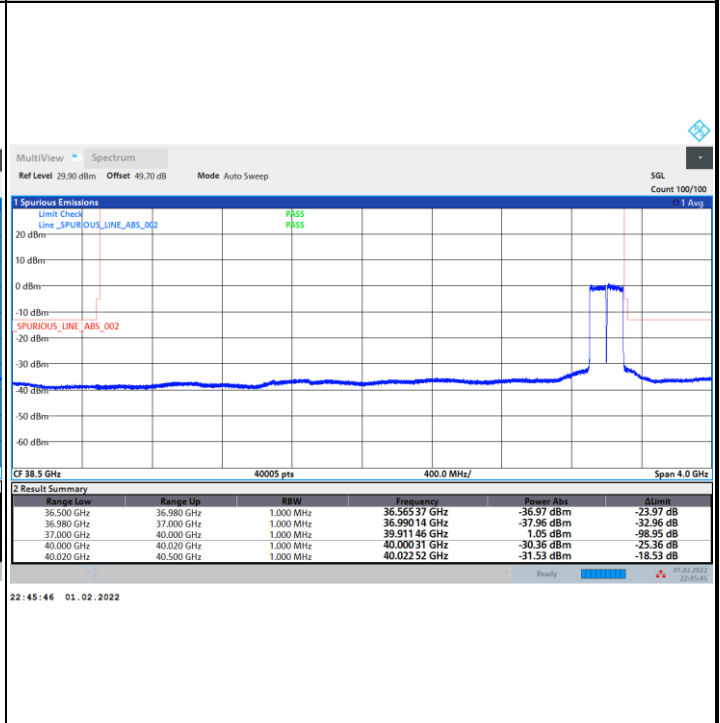
DFT-s-OFDM Module 2

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB

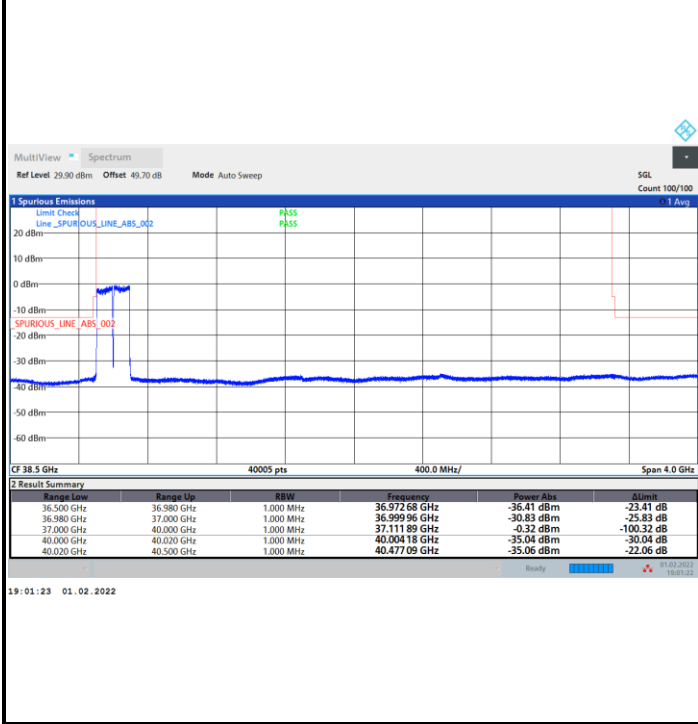


Highest Band Edge / Full RB

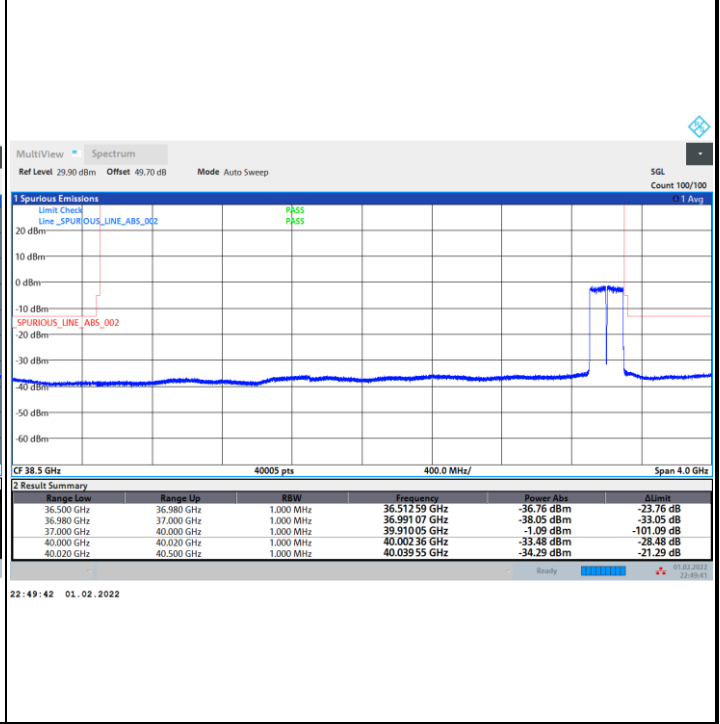


NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



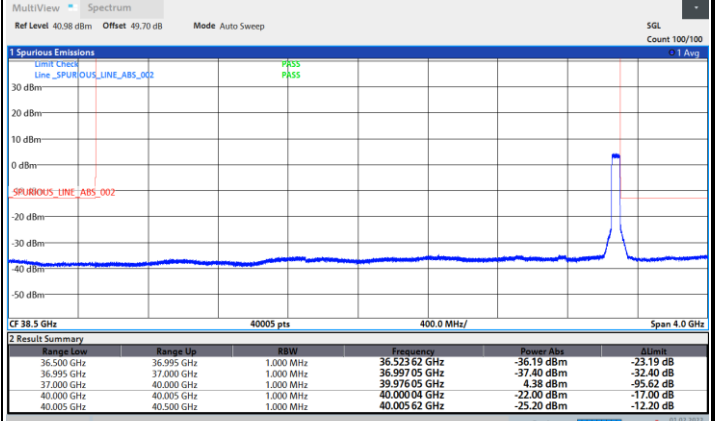
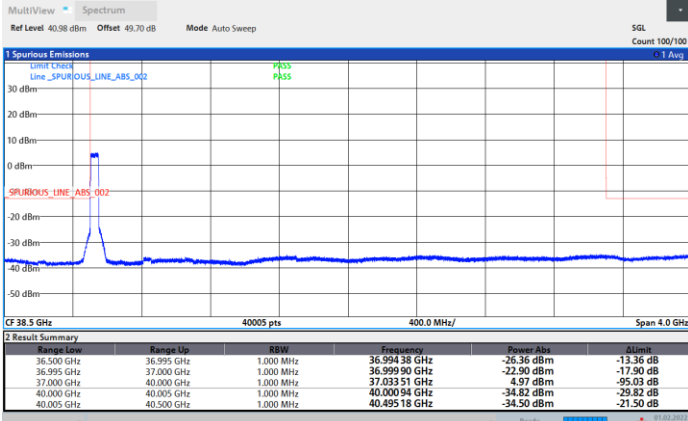


CP-OFDM Module 2

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

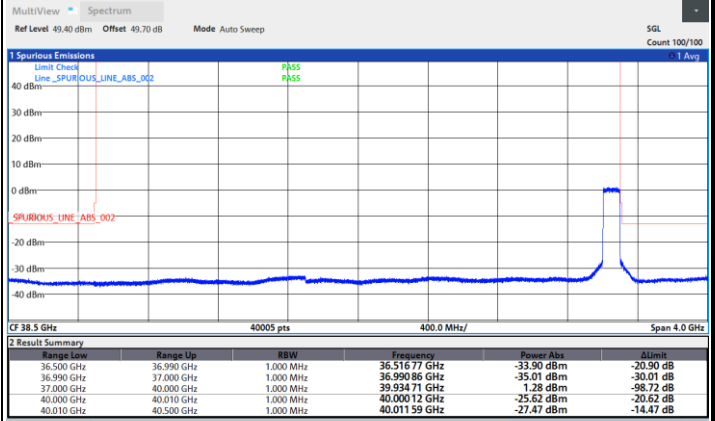
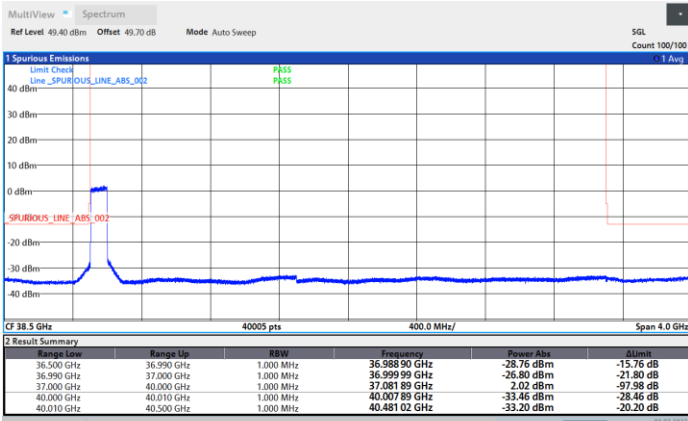
Highest Band Edge / Full RB



NR Band n260 / 100MHz / QPSK

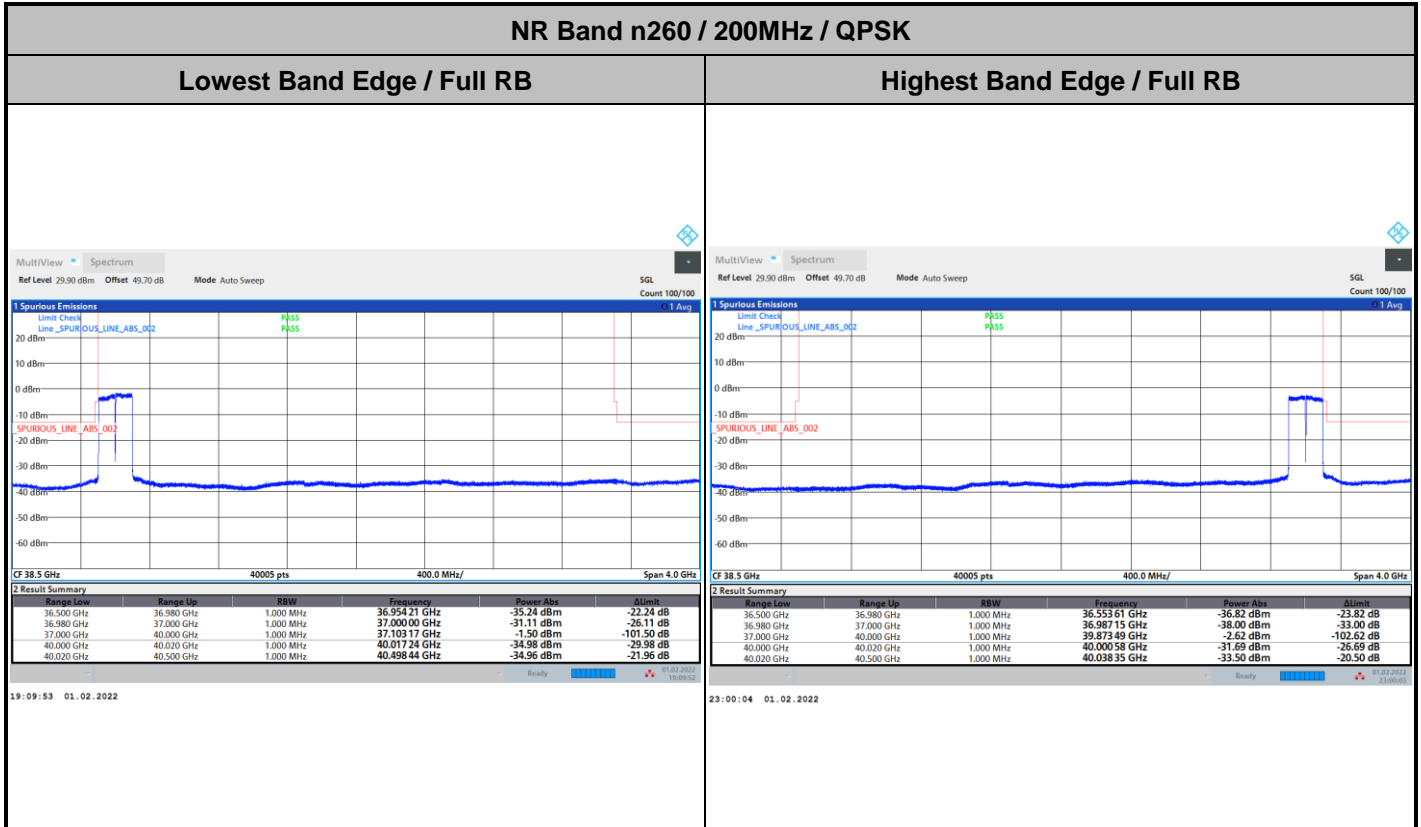
Lowest Band Edge / Full RB

Highest Band Edge / Full RB





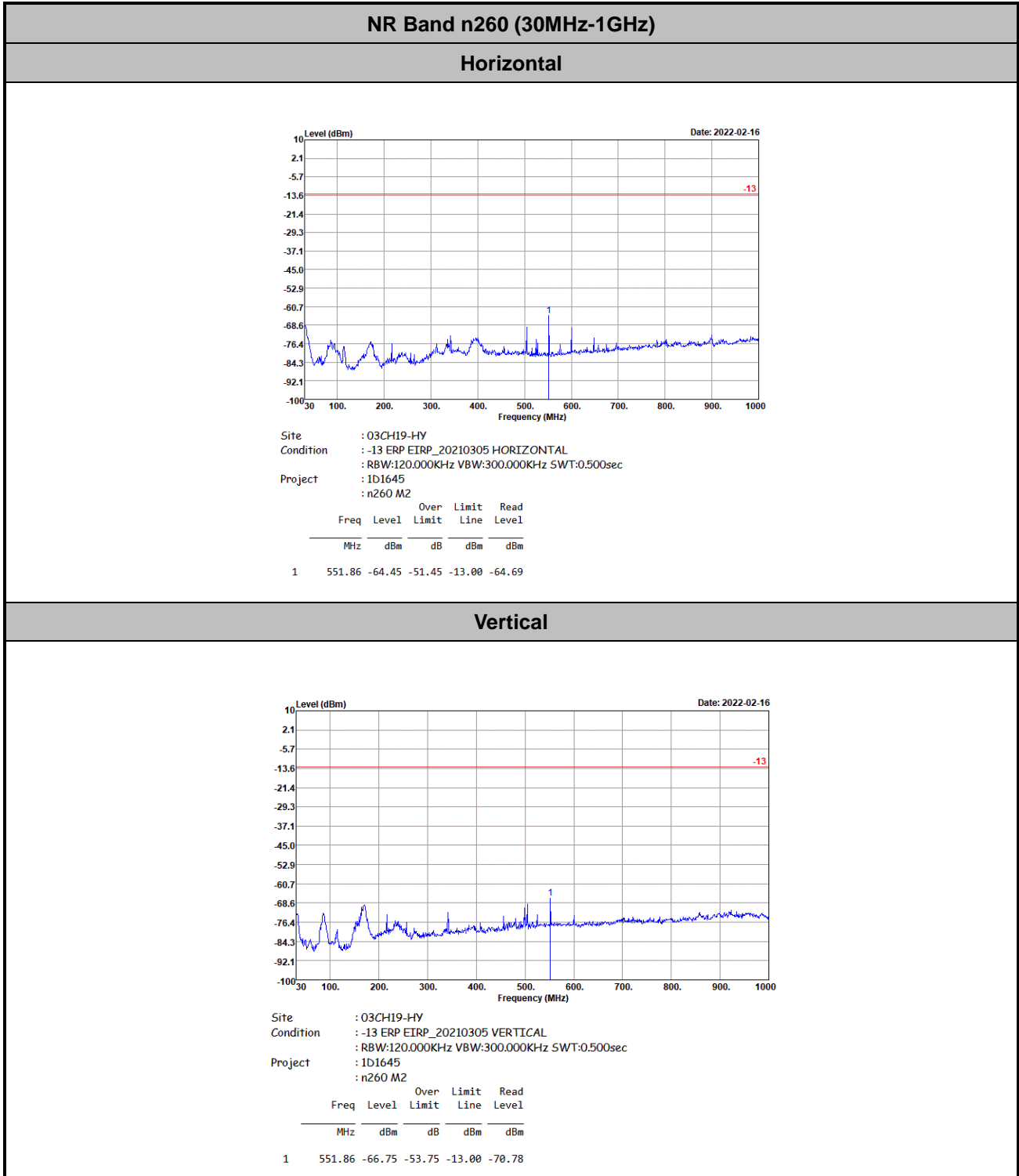
CP-OFDM Module 2





Spurious Emission

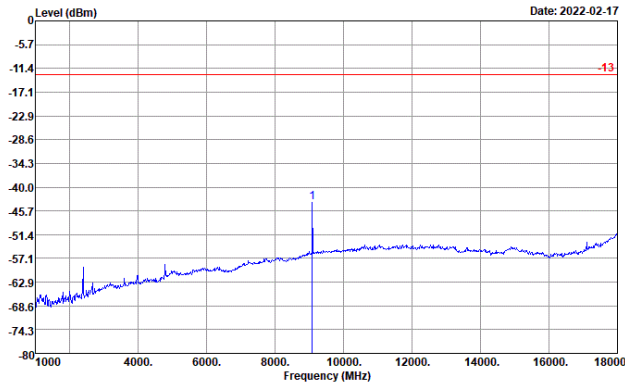
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.





NR Band n260 (1GHz-18GHz)

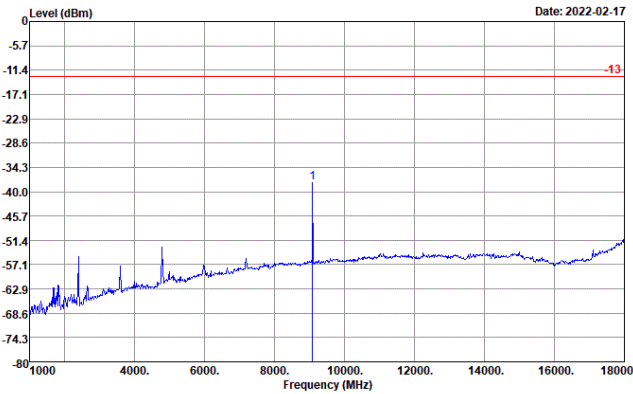
Horizontal



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			
Level	Line	Level			
Freq	Level	Limit	Read		
MHz	dBm	dB	dBm		
1	9092.00	-43.61	-30.61	-13.00	-69.63

Vertical



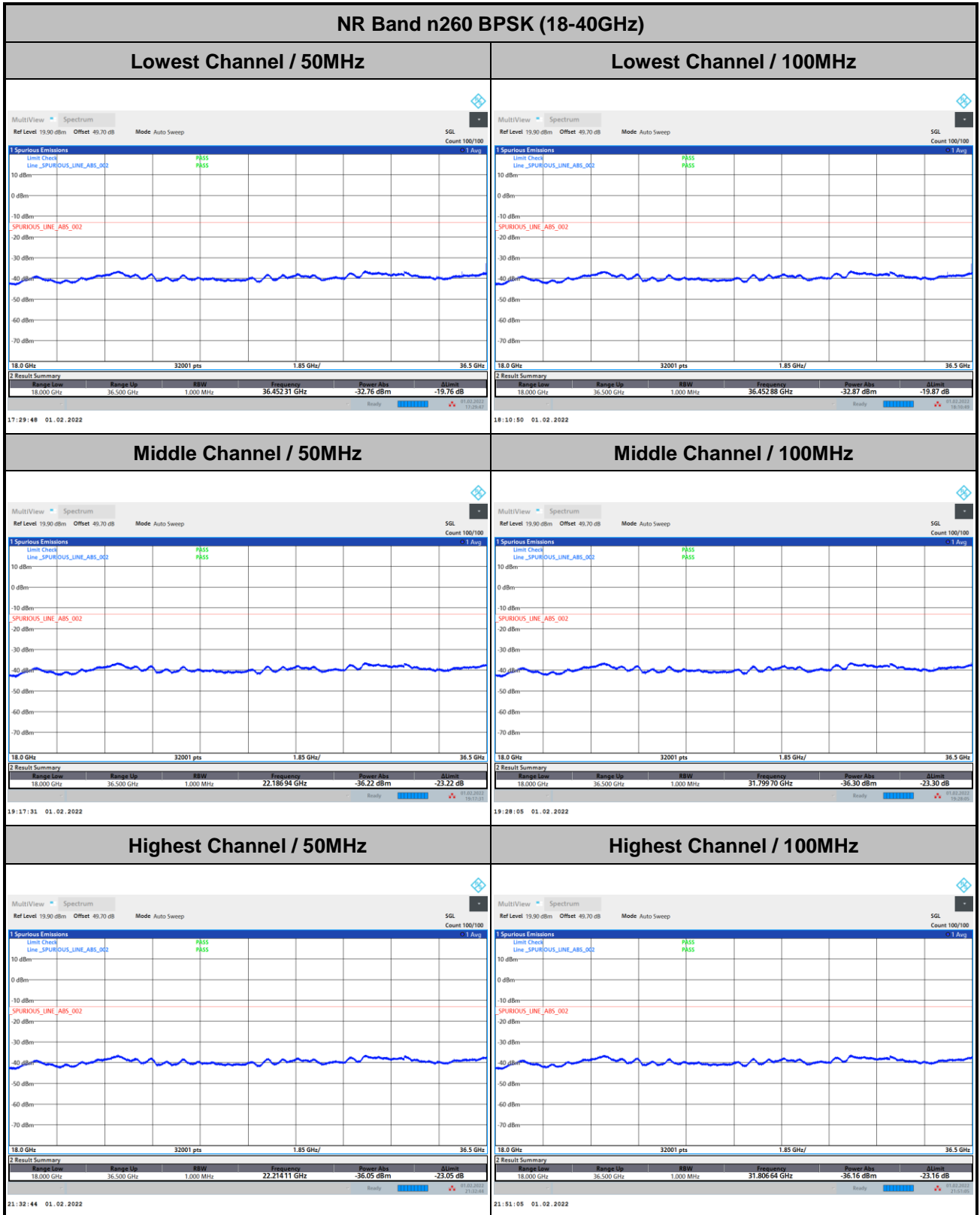
Site : 03CH19-HY
 Condition : -13 ERP EIRP_20210305 VERTICAL
 : RBW:1000.000KHz VBW:3000.000KHz SWT:0.500sec
 Project : 1D1645
 : n260 M2

Over	Limit	Read			
Level	Line	Level			
Freq	Level	Limit	Read		
MHz	dBm	dB	dBm		
1	9092.00	-37.91	-24.91	-13.00	-63.18



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

NR Band n260 BPSK (18-40GHz)	
<p>Lowest Channel / 200MHz</p>	<p>intentionally blank</p>
<p>Middle Channel / 200MHz</p>	<p>intentionally blank</p>
<p>Highest Channel / 200MHz</p>	<p>intentionally blank</p>

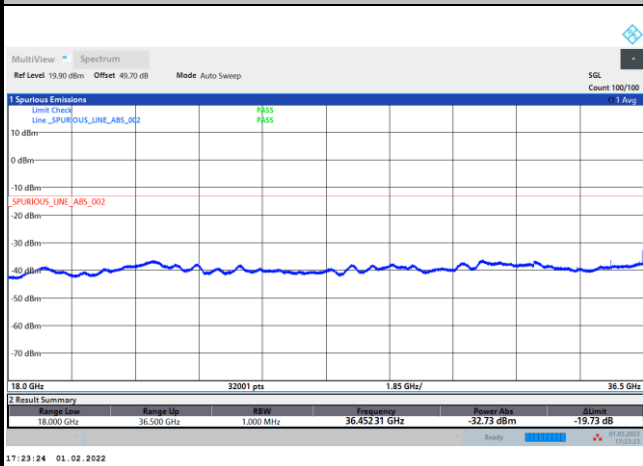
Remark: In band and out of band frequencies are omitted.



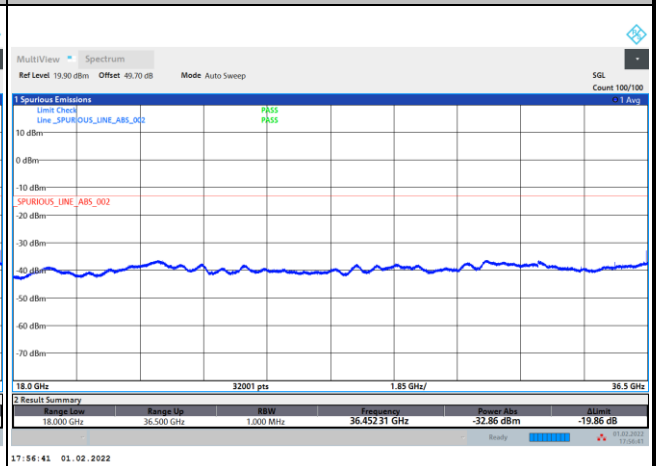
DFT-s-OFDM Module 2

NR Band n260 QPSK (18-40GHz)

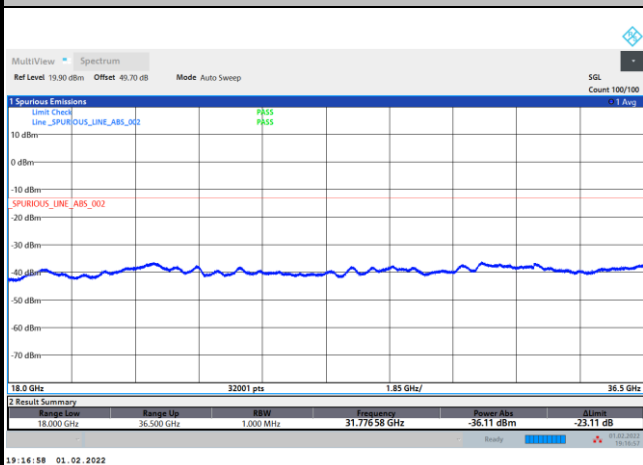
Lowest Channel / 50MHz



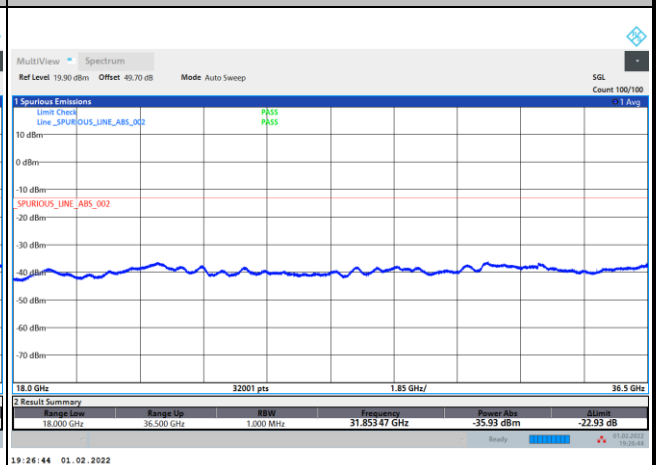
Lowest Channel / 100MHz



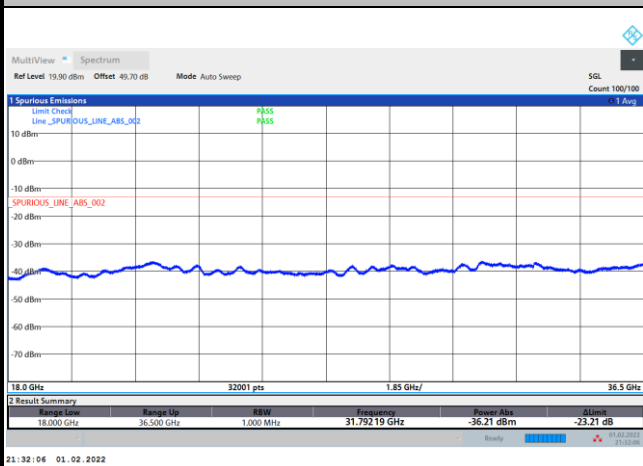
Middle Channel / 50MHz



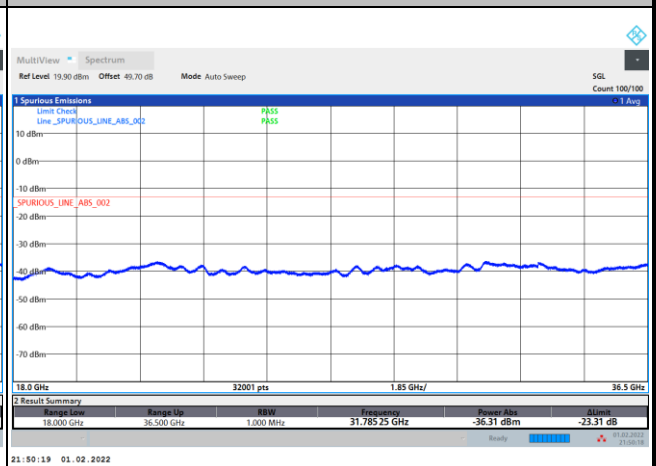
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz



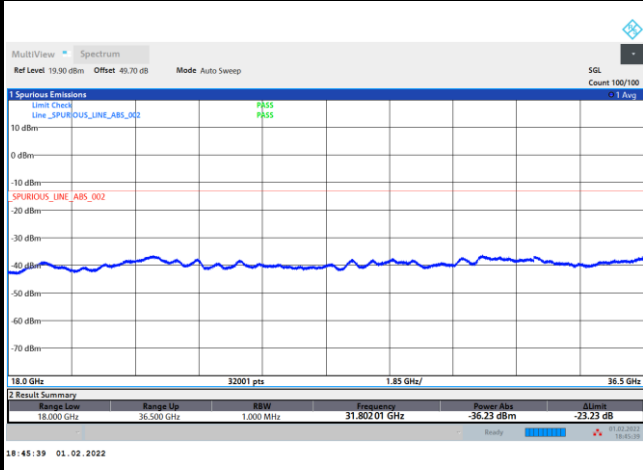
Remark: In band and out of band frequencies are omitted.



DFT-s-OFDM Module 2

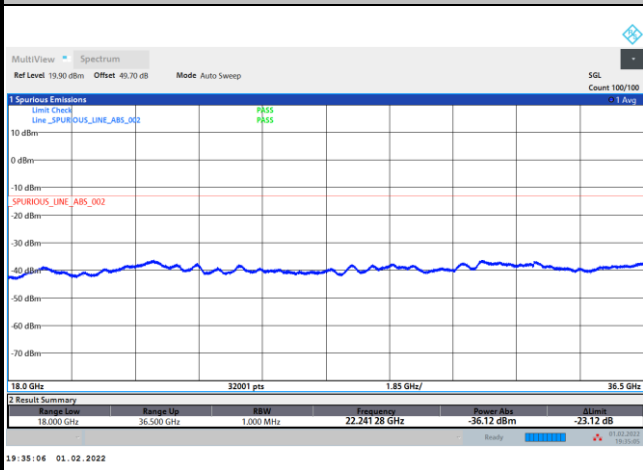
NR Band n260 QPSK (18-40GHz)

Lowest Channel / 200MHz



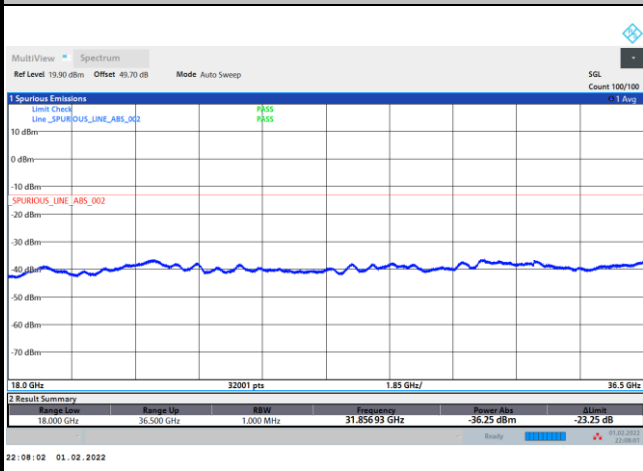
intentionally blank

Middle Channel / 200MHz



intentionally blank

Highest Channel / 200MHz

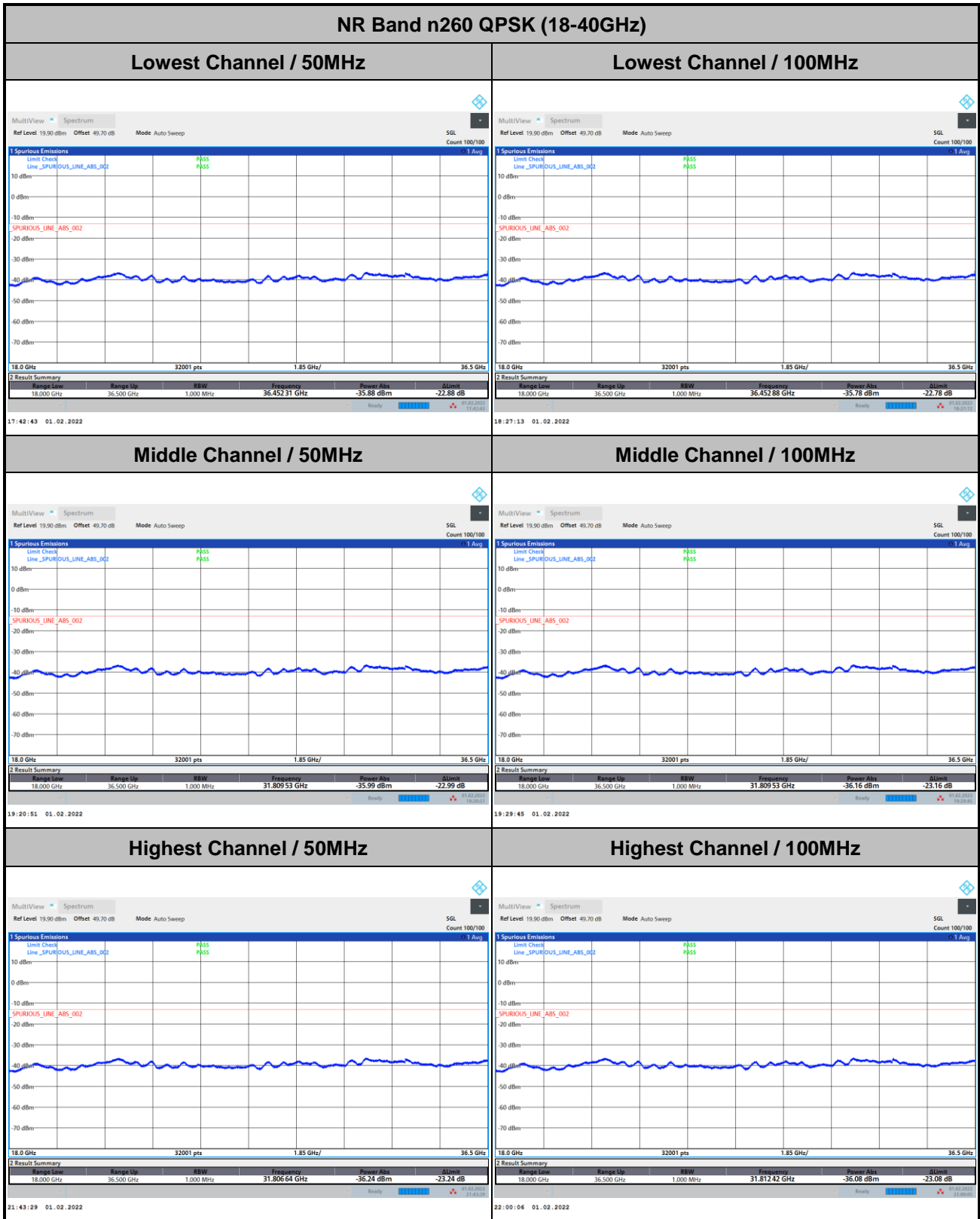


intentionally blank

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



CP-OFDM Module 2



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



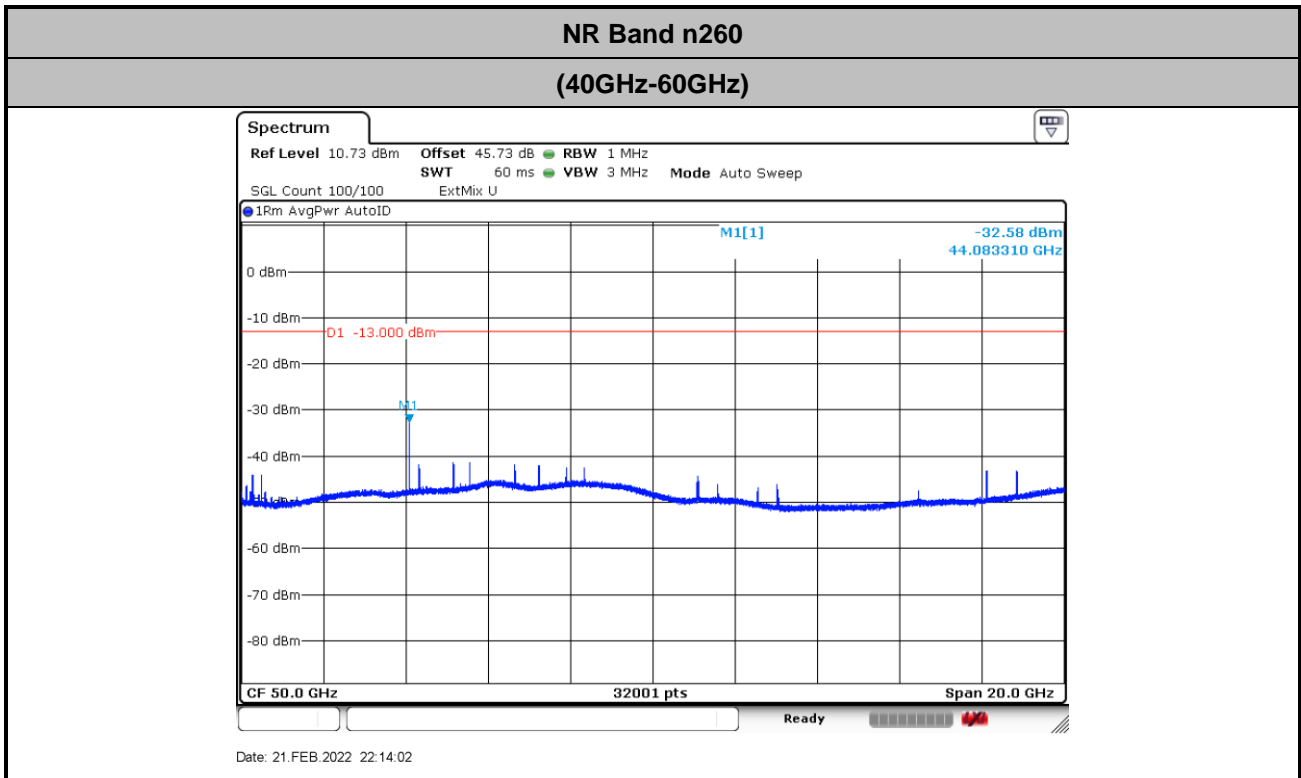
CP-OFDM Module 2

NR Band n260 QPSK (18-40GHz)													
<p>Lowest Channel / 200MHz</p> <p>MultiView Spectrum Ref Level: 19.90 dBm Offset: 49.70 dB Mode: Auto Sweep SGL Count: 100/100</p> <p>Spurious Emissions Limits Check: PASS Line_SPURIOUS_LINE_ABS_D02: PASS</p> <p>18.0 GHz 32001 pts 1.85 GHz/ 36.5 GHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>18.000 GHz</td> <td>36.500 GHz</td> <td>1.000 MHz</td> <td>31.832 65 GHz</td> <td>-36.11 dBm</td> <td>-23.11 dB</td> </tr> </tbody> </table> <p>19:12:27 01.02.2022</p>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	36.500 GHz	1.000 MHz	31.832 65 GHz	-36.11 dBm	-23.11 dB	<p>intentionally blank</p>
Range Low	Range Up	RBW	Frequency	Power Abs	Limit								
18.000 GHz	36.500 GHz	1.000 MHz	31.832 65 GHz	-36.11 dBm	-23.11 dB								
<p>Middle Channel / 200MHz</p> <p>MultiView Spectrum Ref Level: 19.90 dBm Offset: 49.70 dB Mode: Auto Sweep SGL Count: 100/100</p> <p>Spurious Emissions Limits Check: PASS Line_SPURIOUS_LINE_ABS_D02: PASS</p> <p>18.0 GHz 32001 pts 1.85 GHz/ 36.5 GHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>18.000 GHz</td> <td>36.500 GHz</td> <td>1.000 MHz</td> <td>31.791 03 GHz</td> <td>-36.14 dBm</td> <td>-23.14 dB</td> </tr> </tbody> </table> <p>19:44:53 01.02.2022</p>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	36.500 GHz	1.000 MHz	31.791 03 GHz	-36.14 dBm	-23.14 dB	<p>intentionally blank</p>
Range Low	Range Up	RBW	Frequency	Power Abs	Limit								
18.000 GHz	36.500 GHz	1.000 MHz	31.791 03 GHz	-36.14 dBm	-23.14 dB								
<p>Highest Channel / 200MHz</p> <p>MultiView Spectrum Ref Level: 19.90 dBm Offset: 49.70 dB Mode: Auto Sweep SGL Count: 100/100</p> <p>Spurious Emissions Limits Check: PASS Line_SPURIOUS_LINE_ABS_D02: PASS</p> <p>18.0 GHz 32001 pts 1.85 GHz/ 36.5 GHz</p> <table border="1"> <thead> <tr> <th>Range Low</th> <th>Range Up</th> <th>RBW</th> <th>Frequency</th> <th>Power Abs</th> <th>Limit</th> </tr> </thead> <tbody> <tr> <td>18.000 GHz</td> <td>36.500 GHz</td> <td>1.000 MHz</td> <td>31.788 72 GHz</td> <td>-36.18 dBm</td> <td>-23.18 dB</td> </tr> </tbody> </table> <p>23:00:55 01.02.2022</p>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	36.500 GHz	1.000 MHz	31.788 72 GHz	-36.18 dBm	-23.18 dB	<p>intentionally blank</p>
Range Low	Range Up	RBW	Frequency	Power Abs	Limit								
18.000 GHz	36.500 GHz	1.000 MHz	31.788 72 GHz	-36.18 dBm	-23.18 dB								

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

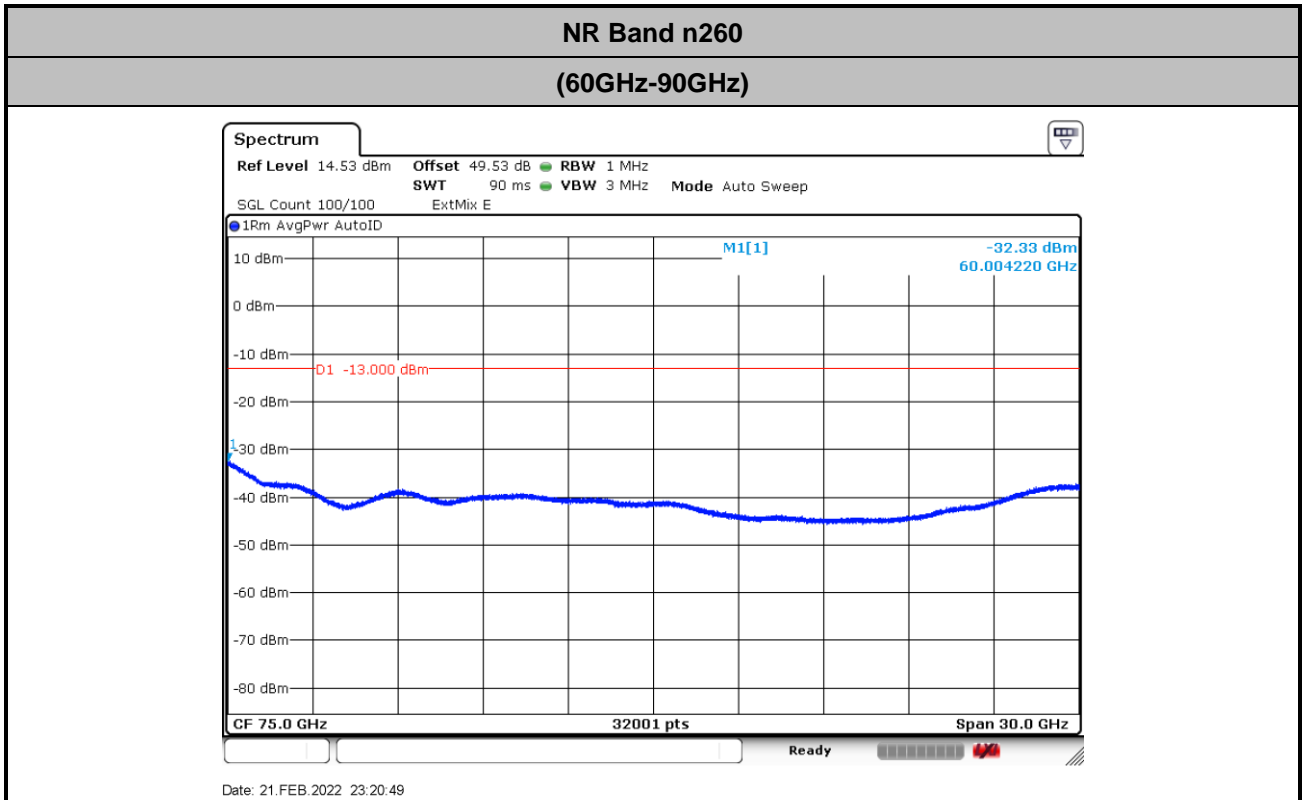


There is no significant spurious emission signal found for frequency started from 40GHz up to 100GHz. Only the noise floor is reported.



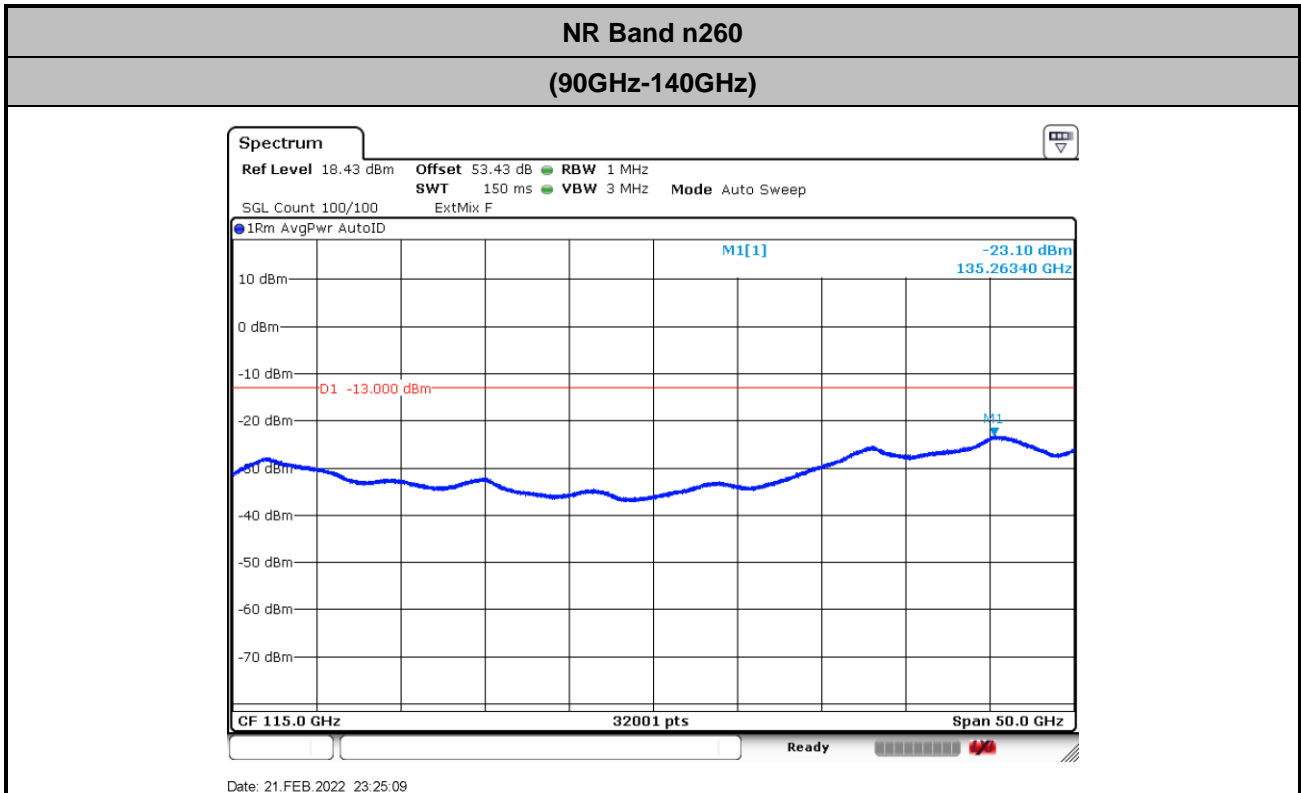
$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 43.1 + 0.43 + 107 + 20\log(1) - 104.8 = 45.73 \text{ (dB)}$$

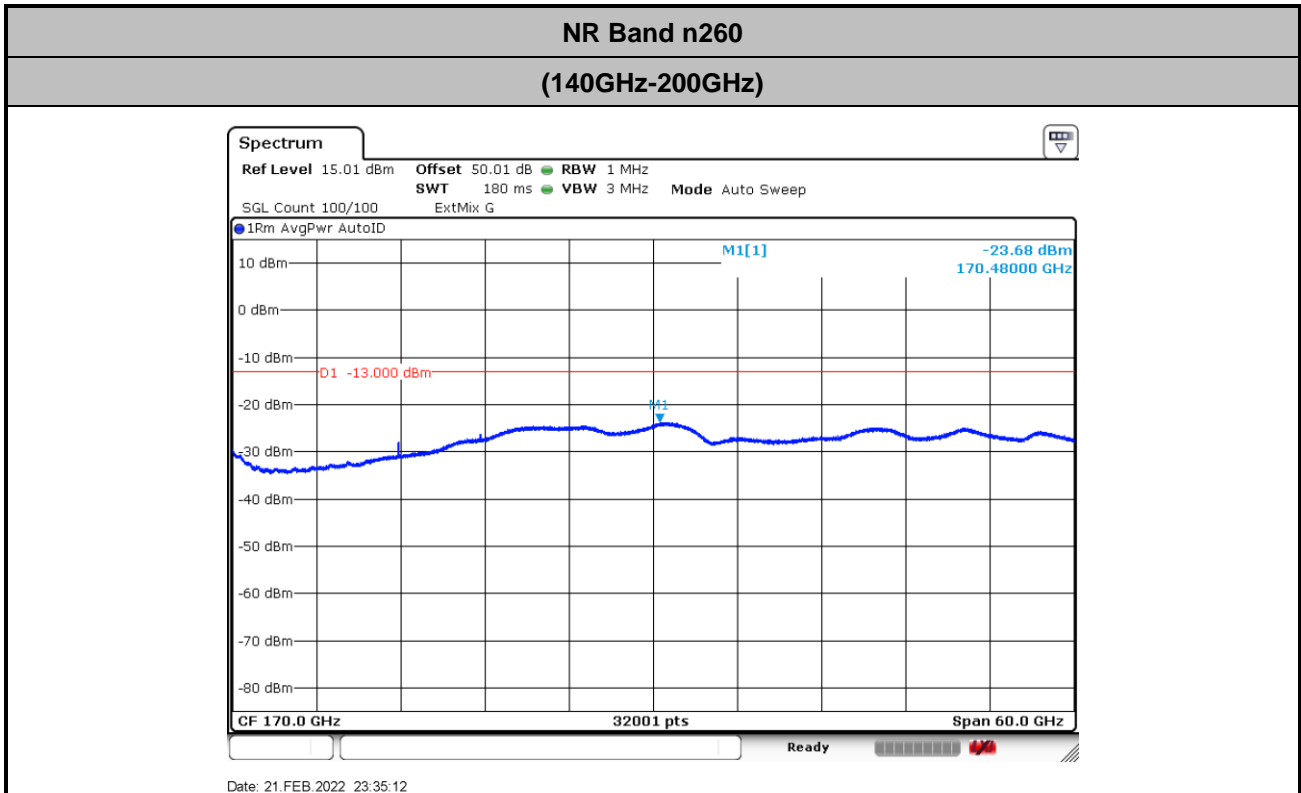


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 46.9 + 0.43 + 107 + 20\log(1) - 104.8 = 49.53 \text{ (dB)}$$



$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$
$$= 50.08 + 0.43 + 107 + 20\log(1) - 104.8 = 53.43 \text{ (dB)}$$



$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

$$= 53.4 + 0.43 + 107 + 20\log(0.5) - 104.8 = 50.01 \text{ (dB)}$$



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	