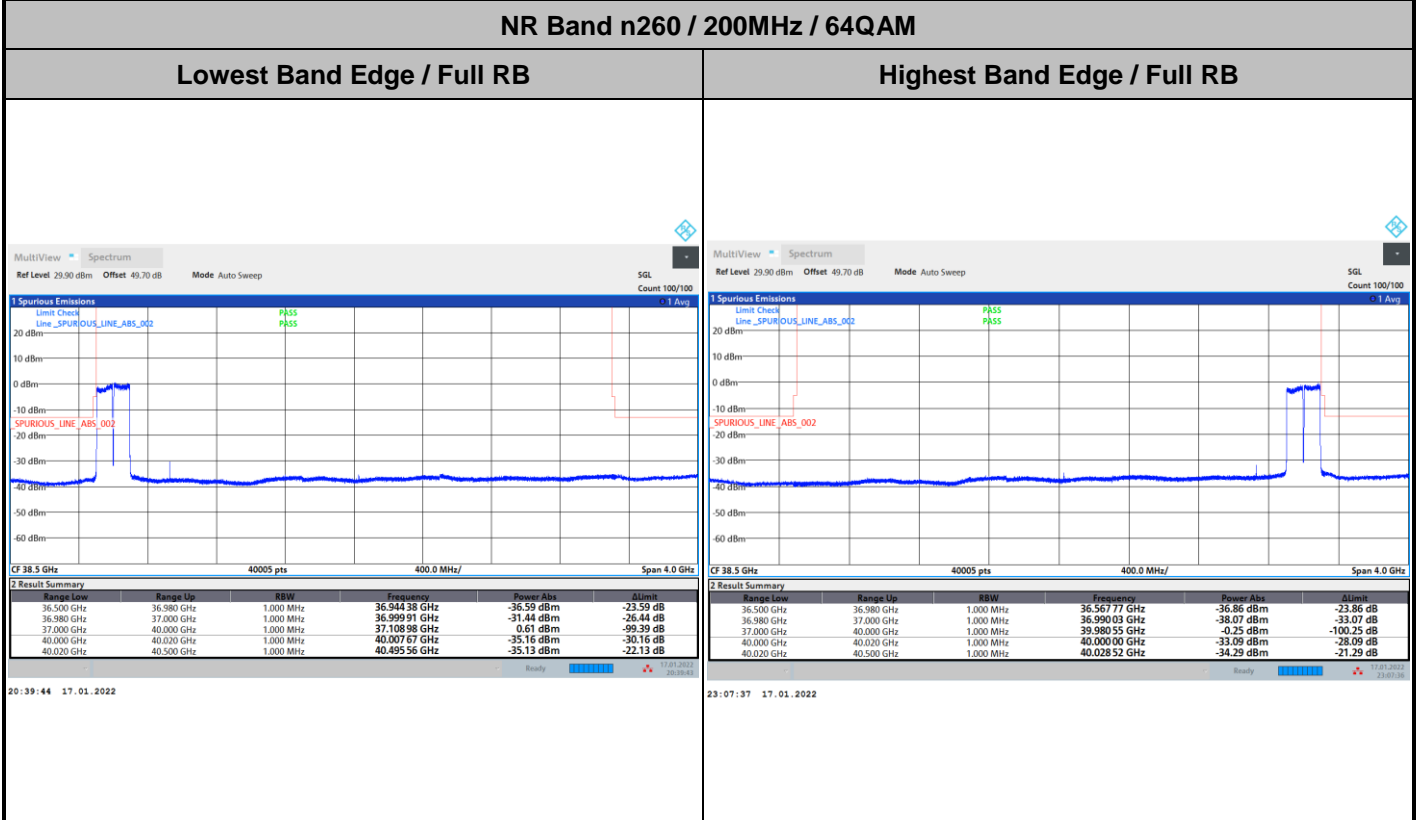
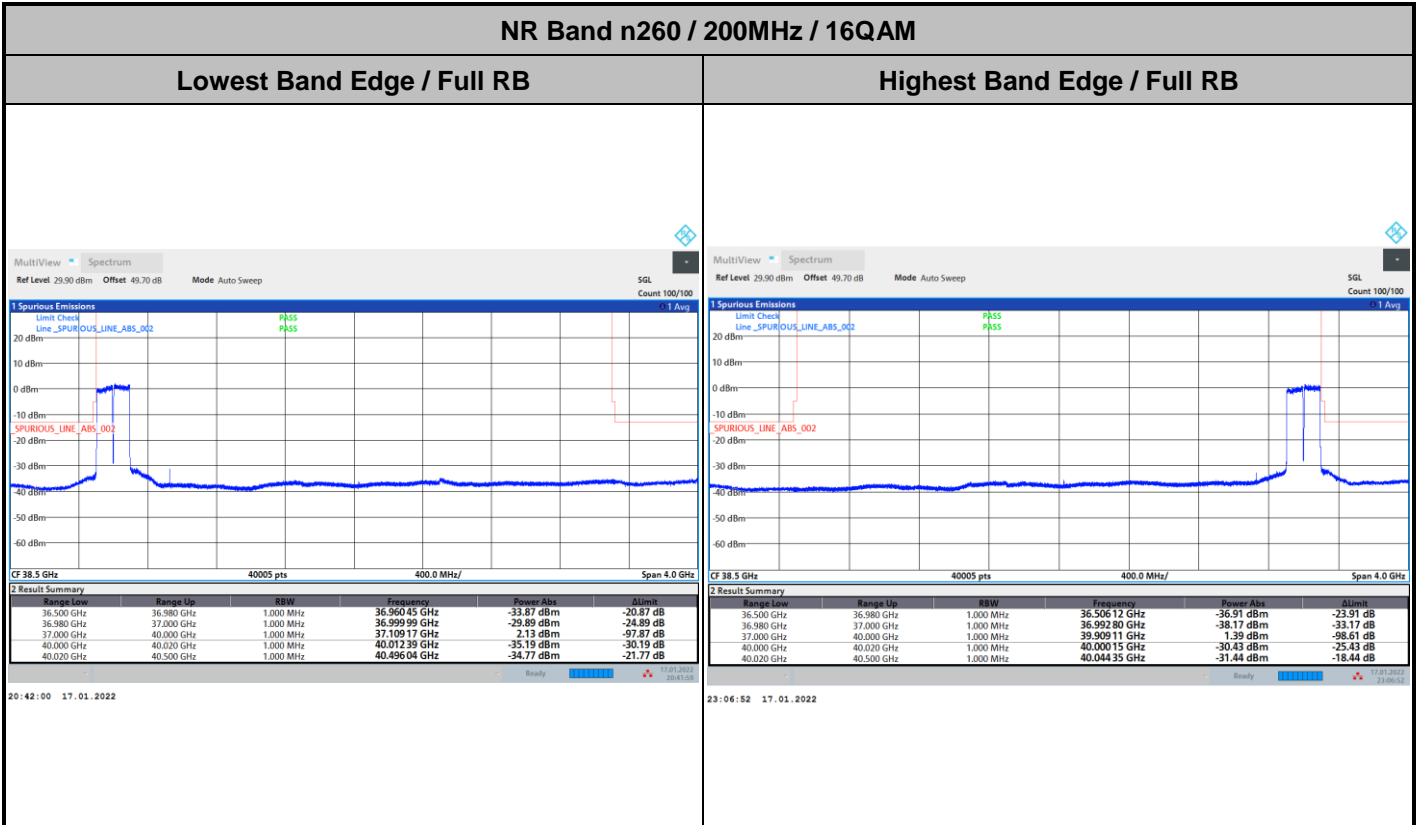




DFT-s-OFDM Module 1

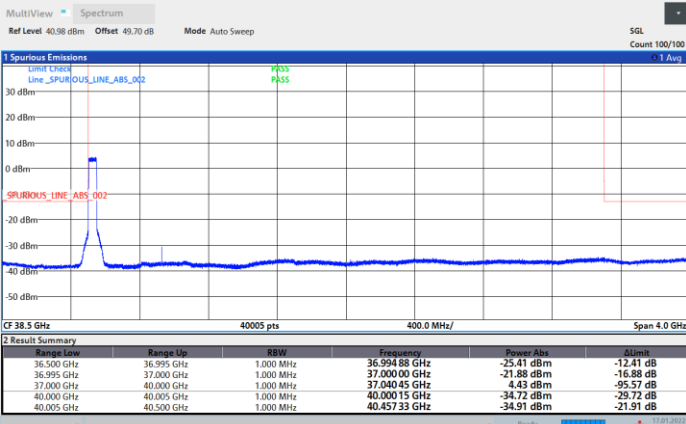




CP-OFDM Module 1

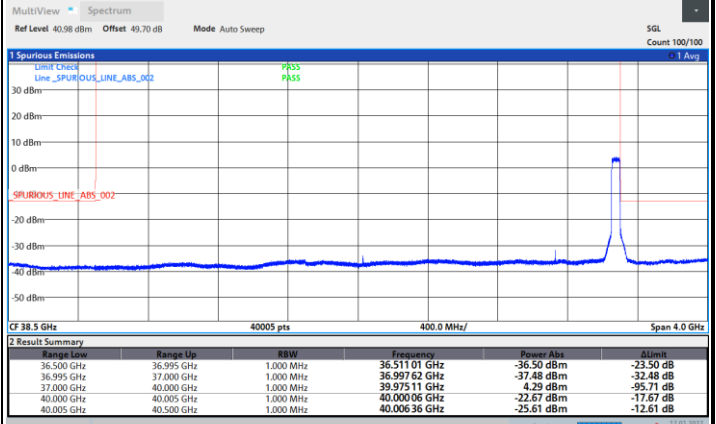
NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB



19:41:03 17.01.2022

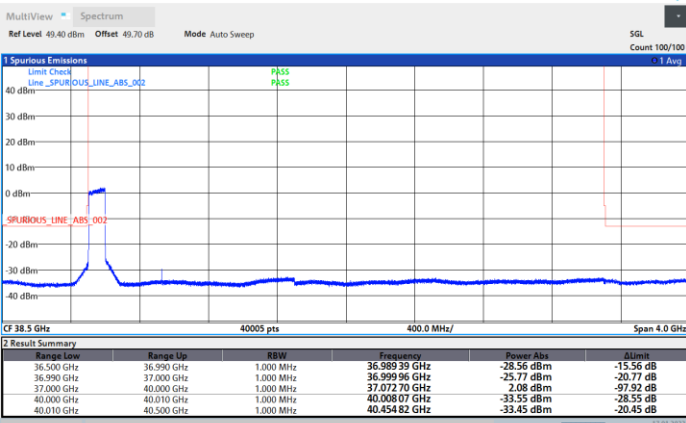
Highest Band Edge / Full RB



22:36:19 17.01.2022

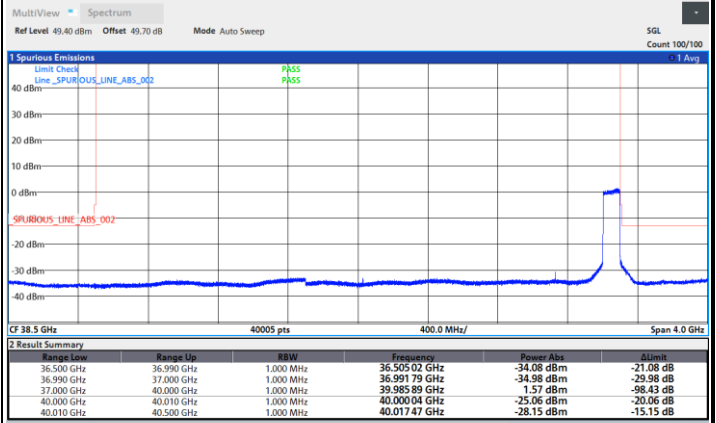
NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



20:05:45 17.01.2022

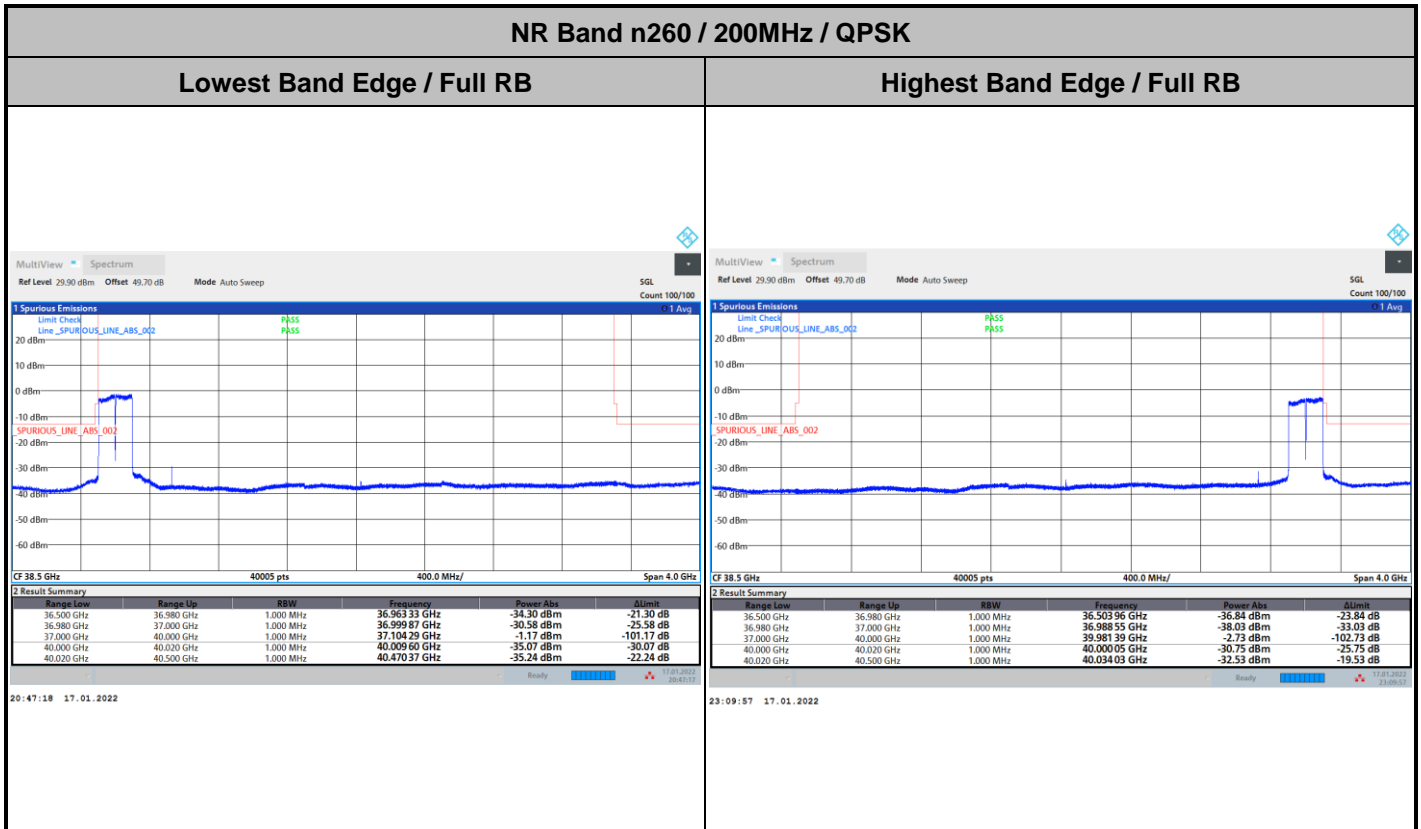
Highest Band Edge / Full RB



22:51:22 17.01.2022



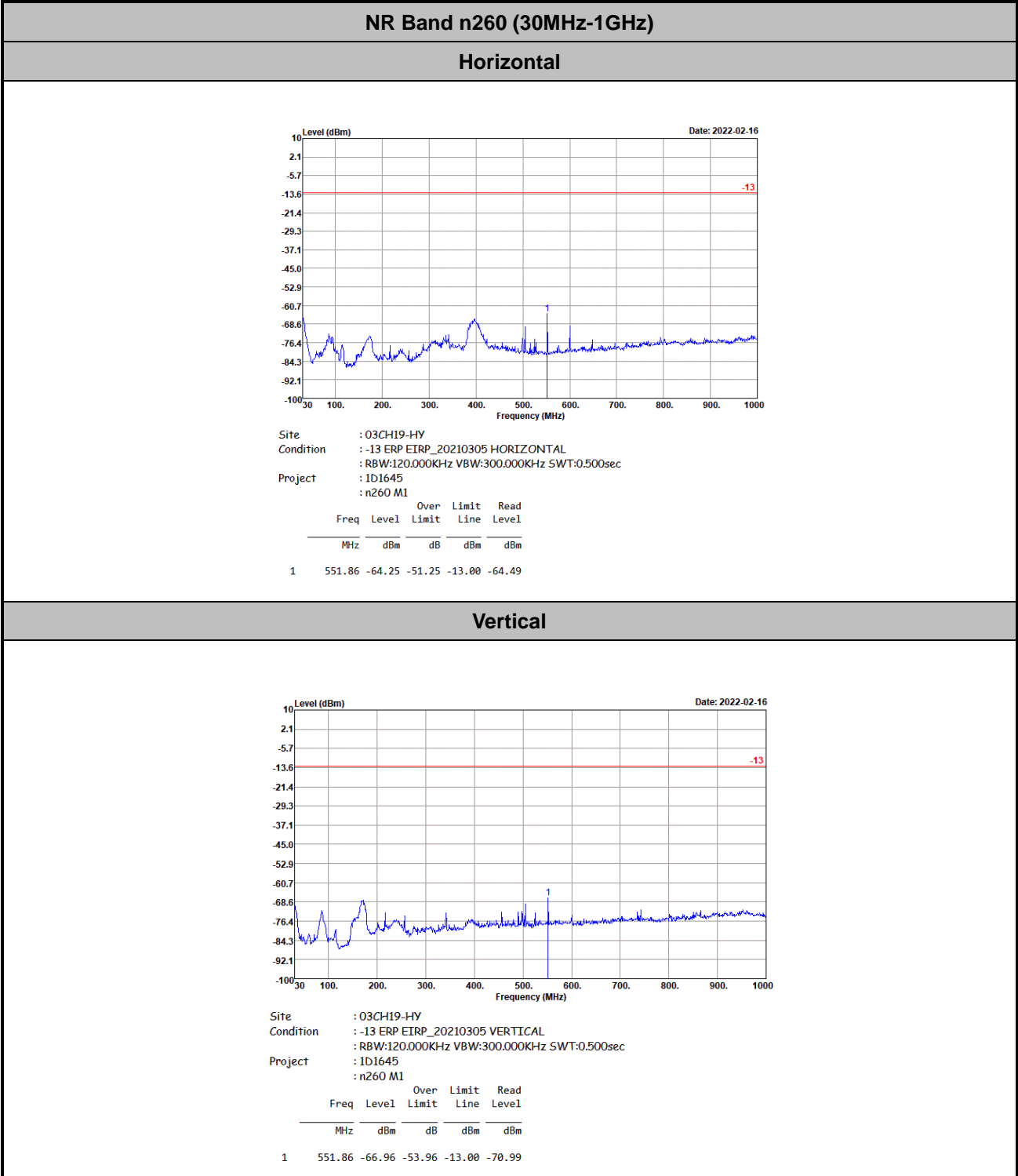
CP-OFDM Module 1





# Spurious Emission

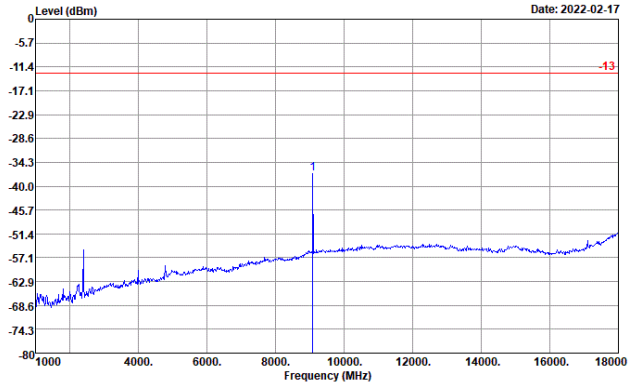
There is no significant spurious emission signal found for frequency started from 30MHz up to 18GHz. Only the noise floor is reported.





NR Band n260 (1GHz-18GHz)

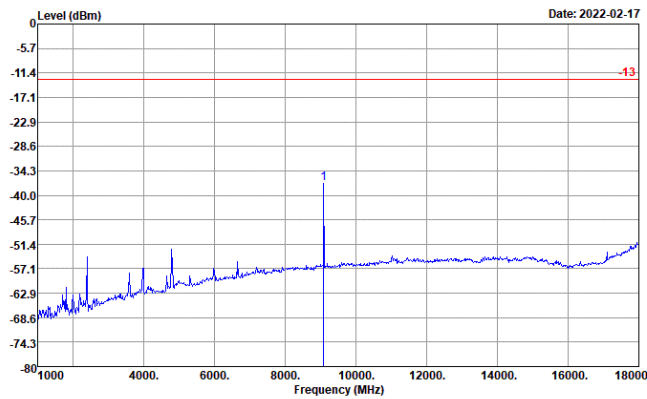
Horizontal



Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 HORIZONTAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:0.500sec  
 Project : 1D1645  
 : n260 M1

	Freq	Level	Over	Limit	Read
	MHz	dBm	Limit	Line	Level
1	9092.00	-36.99	-23.99	-13.00	-63.01

Vertical



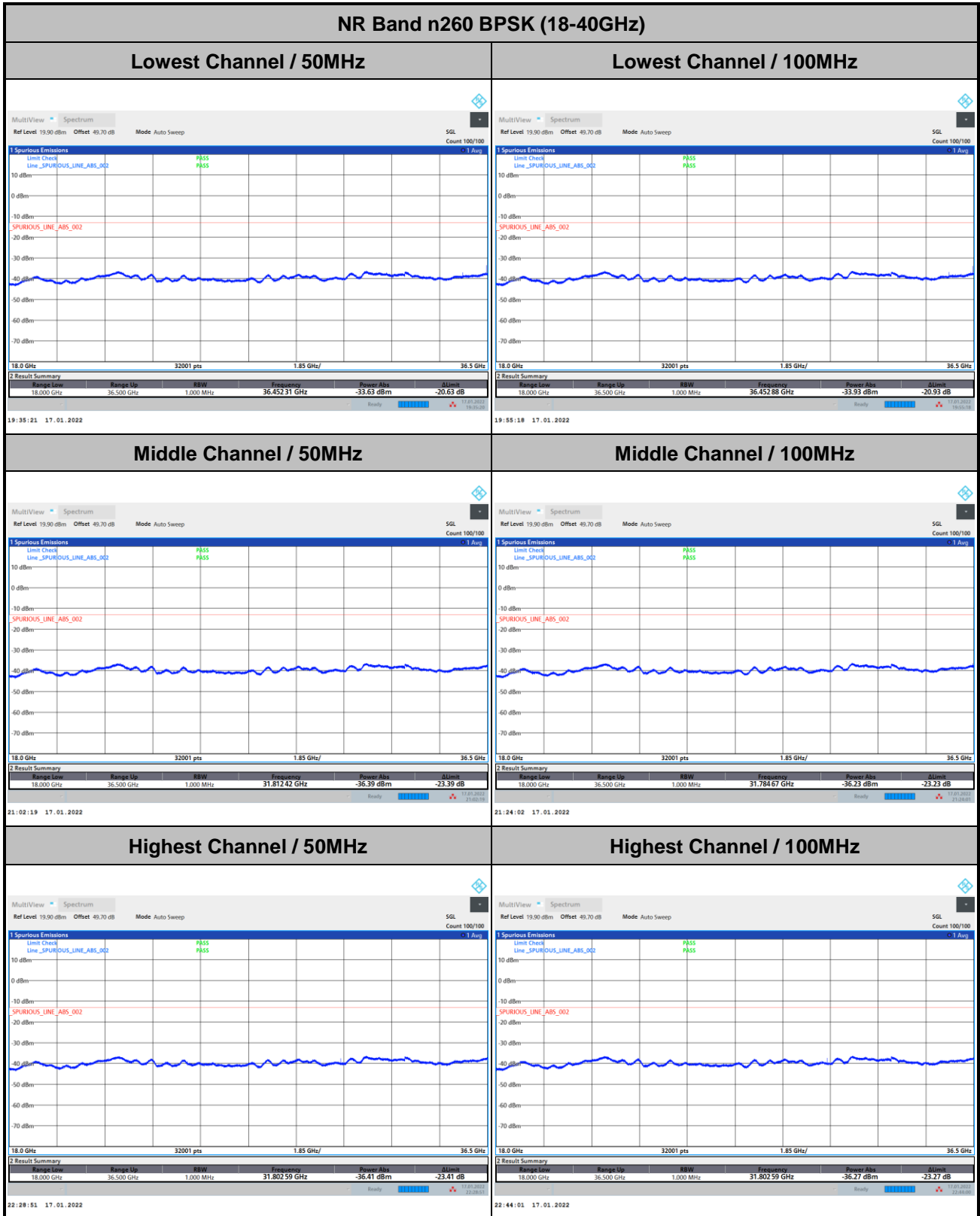
Site : 03CH19-HY  
 Condition : -13 ERP EIRP\_20210305 VERTICAL  
 : RBW:1000.000KHz VBW:3000.000KHz SWT:0.500sec  
 Project : 1D1645  
 : n260 M1

	Freq	Level	Over	Limit	Read
	MHz	dBm	Limit	Line	Level
1	9092.00	-37.31	-24.31	-13.00	-62.58



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

DFT-s-OFDM Module 1



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



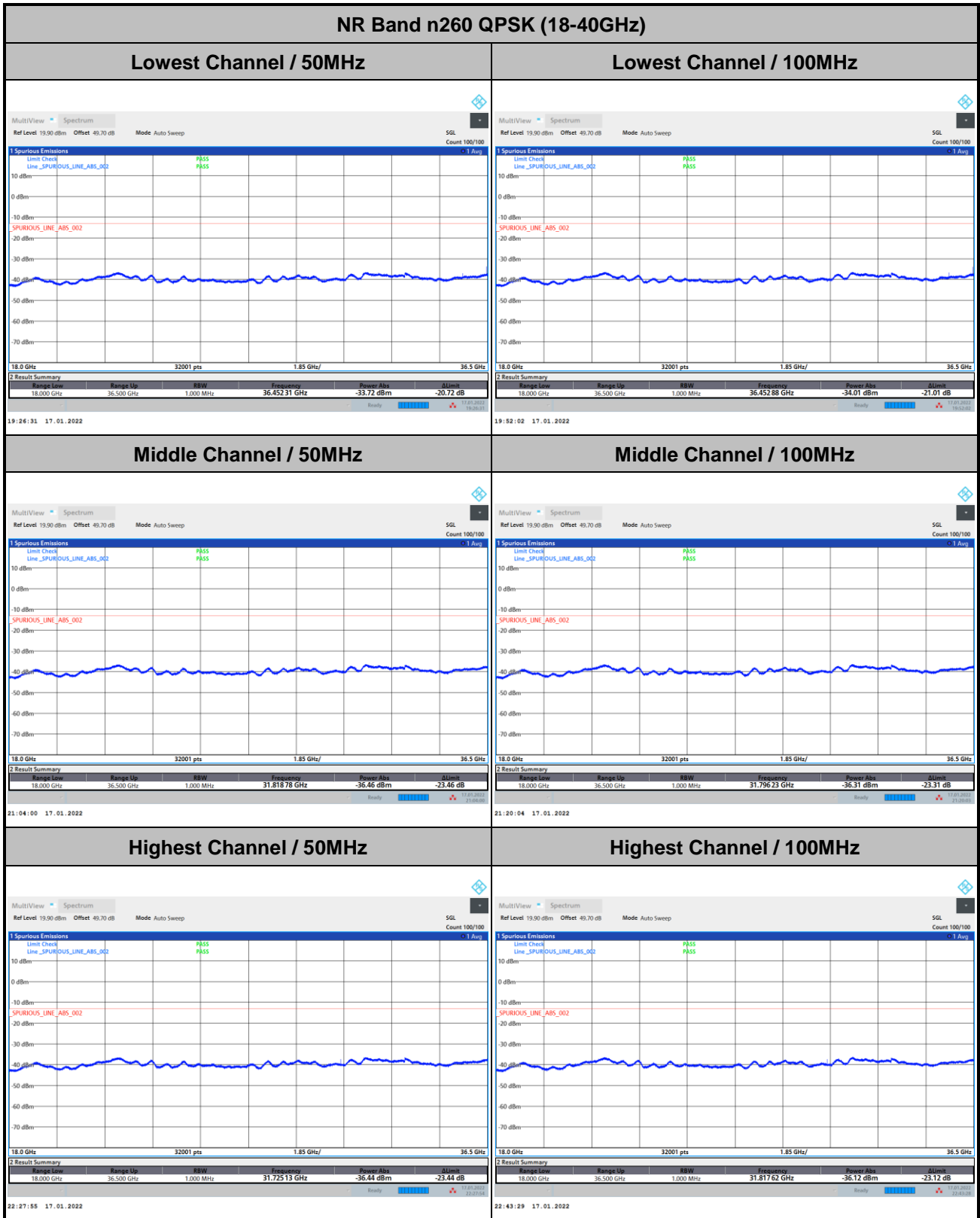
DFT-s-OFDM Module 1

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

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



DFT-s-OFDM Module 1



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





DFT-s-OFDM Module 1

NR Band n260 QPSK (18-40GHz)													
<p><b>Lowest Channel / 200MHz</b></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>22.252 84 GHz</td> <td>-36.43 dBm</td> <td>-23.43 dB</td> </tr> </tbody> </table> <p>20:17:13 17.01.2022</p>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	36.500 GHz	1.000 MHz	22.252 84 GHz	-36.43 dBm	-23.43 dB	<p>intentionally blank</p>
Range Low	Range Up	RBW	Frequency	Power Abs	Limit								
18.000 GHz	36.500 GHz	1.000 MHz	22.252 84 GHz	-36.43 dBm	-23.43 dB								
<p><b>Middle Channel / 200MHz</b></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>31.811 26 GHz</td> <td>-36.45 dBm</td> <td>-23.45 dB</td> </tr> </tbody> </table> <p>21:19:23 17.01.2022</p>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	36.500 GHz	1.000 MHz	31.811 26 GHz	-36.45 dBm	-23.45 dB	<p>intentionally blank</p>
Range Low	Range Up	RBW	Frequency	Power Abs	Limit								
18.000 GHz	36.500 GHz	1.000 MHz	31.811 26 GHz	-36.45 dBm	-23.45 dB								
<p><b>Highest Channel / 200MHz</b></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>31.806 64 GHz</td> <td>-36.32 dBm</td> <td>-23.32 dB</td> </tr> </tbody> </table> <p>22:59:28 17.01.2022</p>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	36.500 GHz	1.000 MHz	31.806 64 GHz	-36.32 dBm	-23.32 dB	<p>intentionally blank</p>
Range Low	Range Up	RBW	Frequency	Power Abs	Limit								
18.000 GHz	36.500 GHz	1.000 MHz	31.806 64 GHz	-36.32 dBm	-23.32 dB								

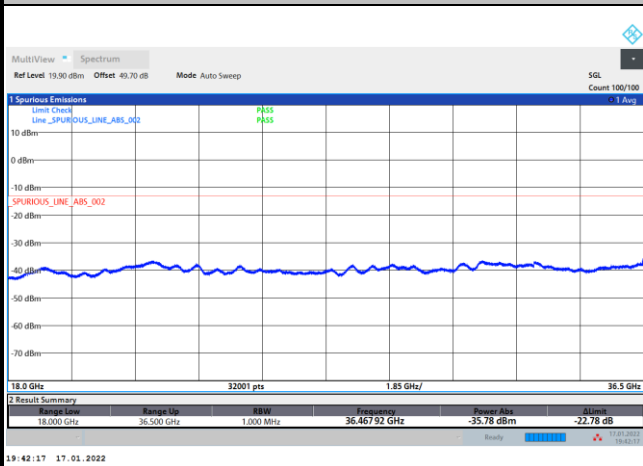
Remark: In band and out of band frequencies are omitted.



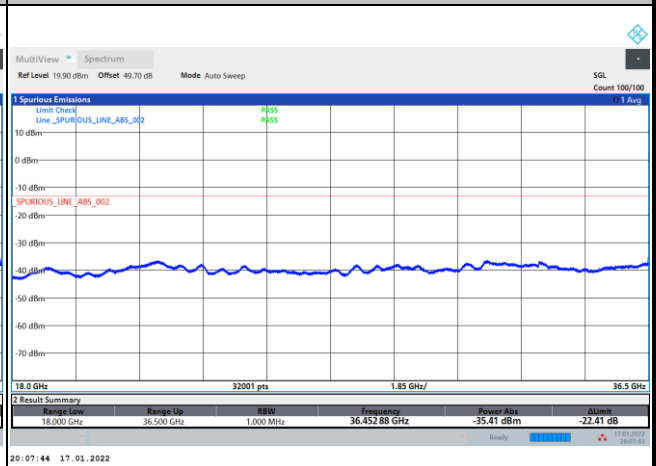
CP-OFDM Module 1

NR Band n260 QPSK (18-40GHz)

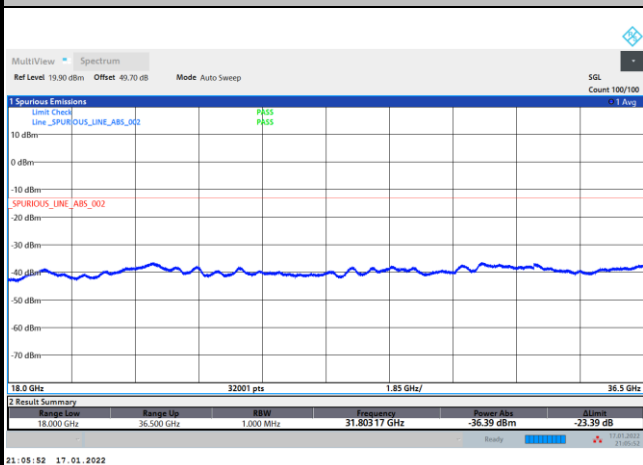
Lowest Channel / 50MHz



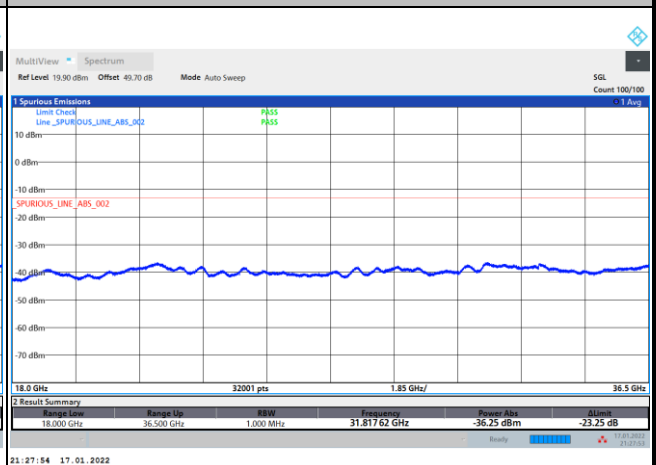
Lowest Channel / 100MHz



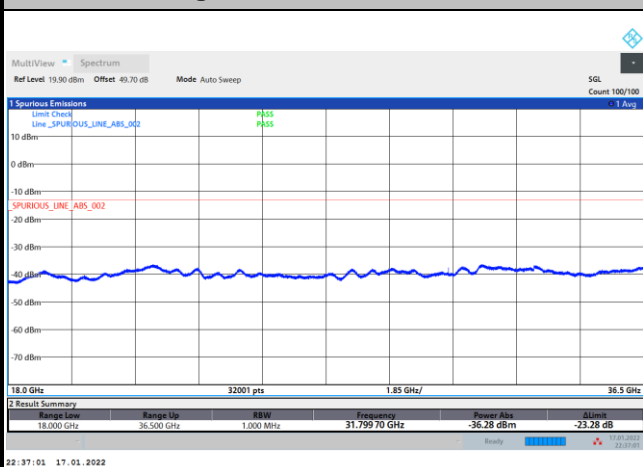
Middle Channel / 50MHz



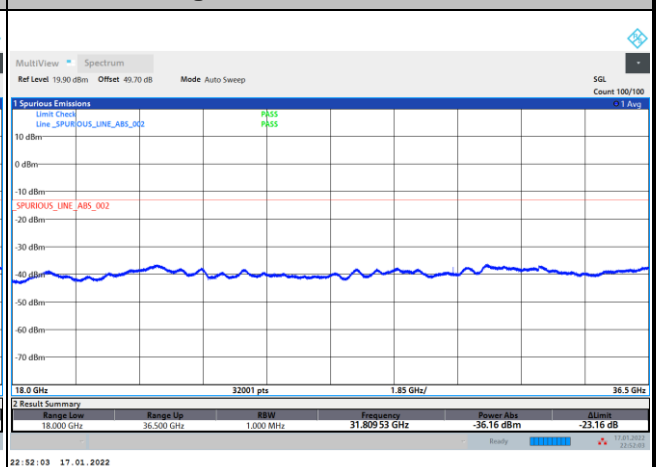
Middle Channel / 100MHz



Highest Channel / 50MHz



Highest Channel / 100MHz



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

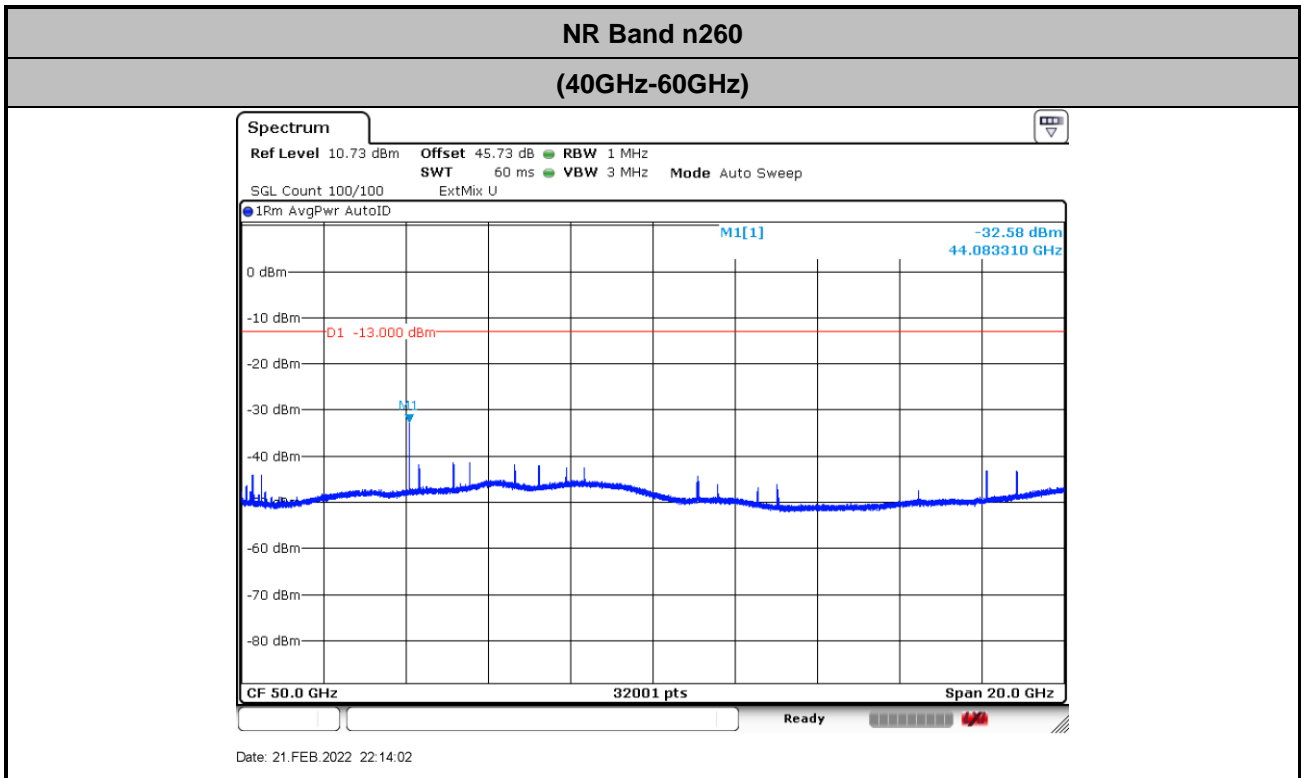


CP-OFDM Module 1

NR Band n260 QPSK (18-40GHz)													
<p><b>Lowest Channel / 200MHz</b></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 Line_SPURIOUS_LINE_ABS_D02 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>22.238 97 GHz</td> <td>-36.42 dBm</td> <td>-23.42 dB</td> </tr> </tbody> </table> <p>20:50:01 17.01.2022</p>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	36.500 GHz	1.000 MHz	22.238 97 GHz	-36.42 dBm	-23.42 dB	<p>intentionally blank</p>
Range Low	Range Up	RBW	Frequency	Power Abs	Limit								
18.000 GHz	36.500 GHz	1.000 MHz	22.238 97 GHz	-36.42 dBm	-23.42 dB								
<p><b>Middle Channel / 200MHz</b></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 Line_SPURIOUS_LINE_ABS_D02 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>31.809 53 GHz</td> <td>-36.43 dBm</td> <td>-23.43 dB</td> </tr> </tbody> </table> <p>21:48:28 17.01.2022</p>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	36.500 GHz	1.000 MHz	31.809 53 GHz	-36.43 dBm	-23.43 dB	<p>intentionally blank</p>
Range Low	Range Up	RBW	Frequency	Power Abs	Limit								
18.000 GHz	36.500 GHz	1.000 MHz	31.809 53 GHz	-36.43 dBm	-23.43 dB								
<p><b>Highest Channel / 200MHz</b></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 Line_SPURIOUS_LINE_ABS_D02 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>31.800 28 GHz</td> <td>-36.42 dBm</td> <td>-23.42 dB</td> </tr> </tbody> </table> <p>23:11:01 17.01.2022</p>	Range Low	Range Up	RBW	Frequency	Power Abs	Limit	18.000 GHz	36.500 GHz	1.000 MHz	31.800 28 GHz	-36.42 dBm	-23.42 dB	<p>intentionally blank</p>
Range Low	Range Up	RBW	Frequency	Power Abs	Limit								
18.000 GHz	36.500 GHz	1.000 MHz	31.800 28 GHz	-36.42 dBm	-23.42 dB								

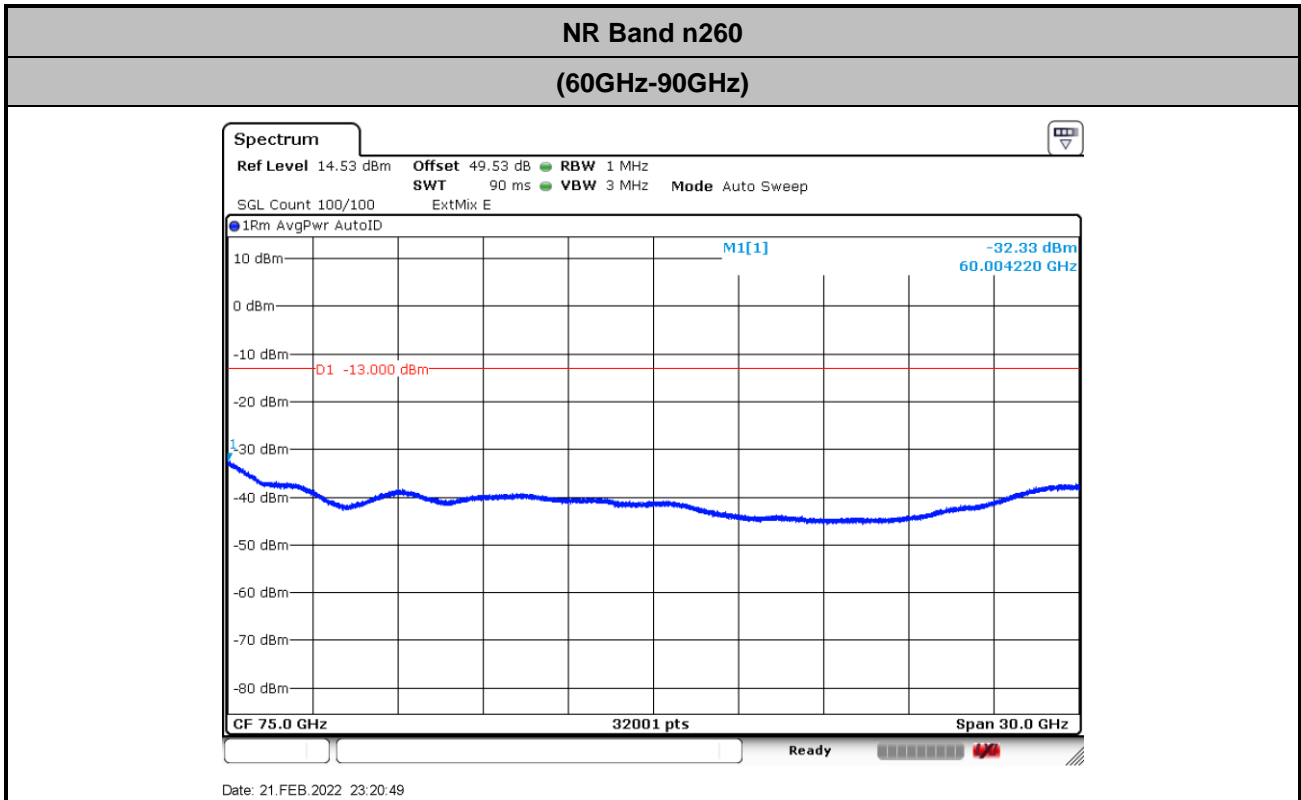
Remark: In band and out of band frequencies are omitted.

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

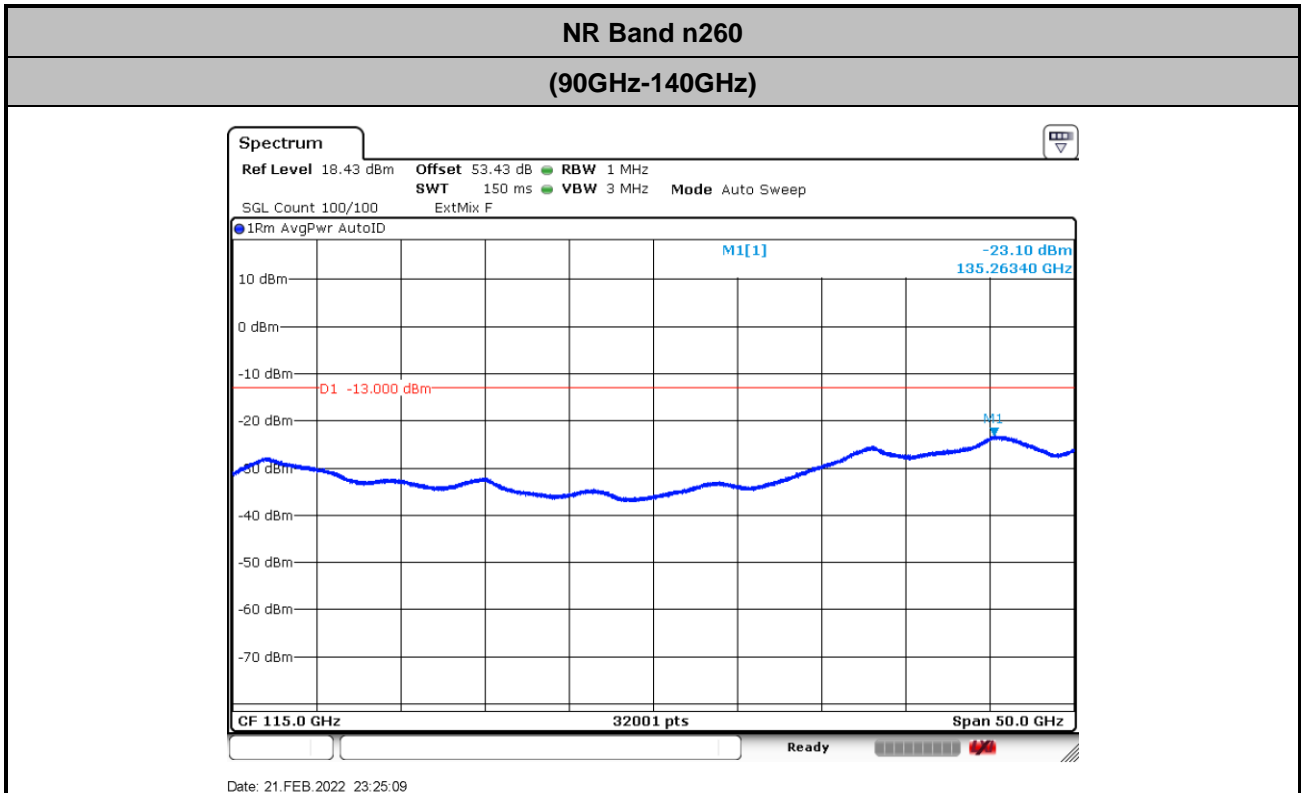


$$\text{Offset} = \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8$$

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

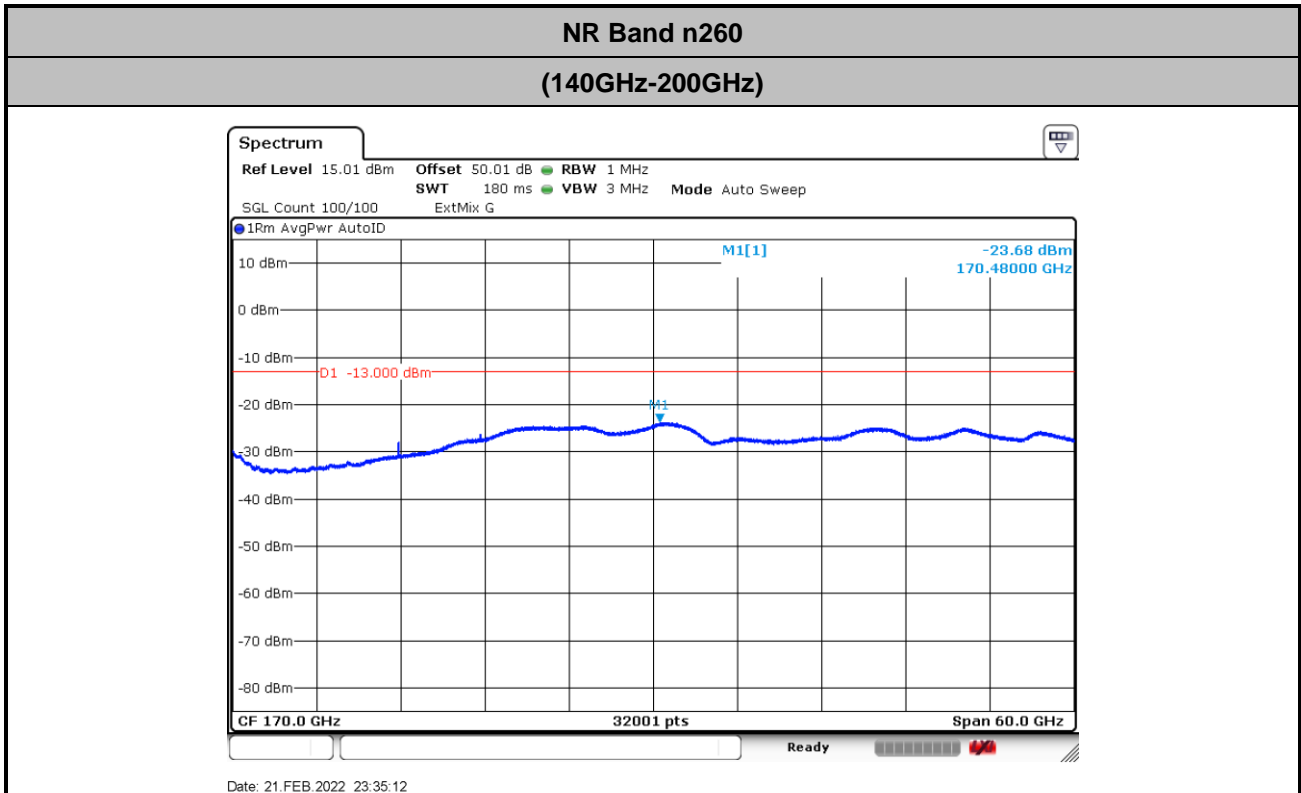


Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log(D) – 104.8  
 = 46.9 + 0.43 + 107 + 20log(1) – 104.8 = 49.53 (dB)



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

$$= 50.08 + 0.43 + 107 + 20\log(1) - 104.8 = 53.43 \text{ (dB)}$$



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

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



# NR Band n260 Module 2

## Occupied Bandwidth

Mode	DFT-s-OFDM Module 2 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	46.03	46.18	45.82	45.84	91.54	91.40	91.37	91.60	190.05	189.59	189.99	189.91
Middle CH	46.07	45.99	45.79	45.81	91.61	91.29	91.37	91.54	189.64	189.76	189.64	190.00
Highest CH	46.04	46.11	45.85	45.87	91.41	91.25	91.34	91.56	189.53	189.66	189.88	189.60

Mode	CP-OFDM Module 2 NR Band n260 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	45.89	94.44	192.85
Middle CH	45.96	94.29	192.99
Highest CH	45.94	94.42	192.89

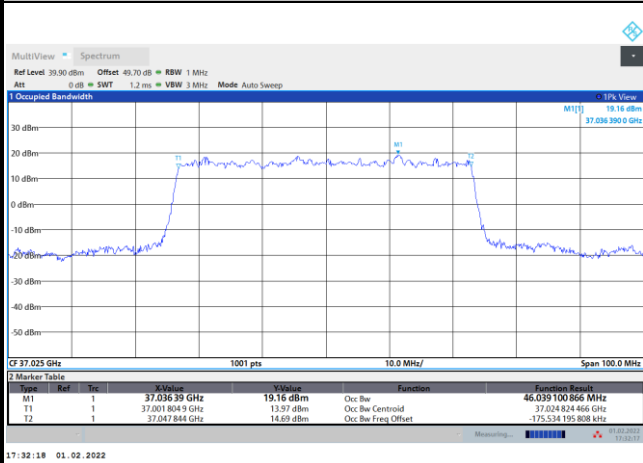




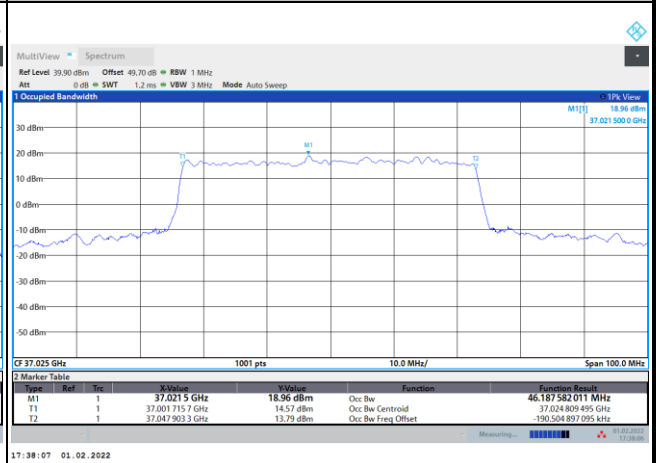
DFT-s-OFDM Module 2

NR Band n260

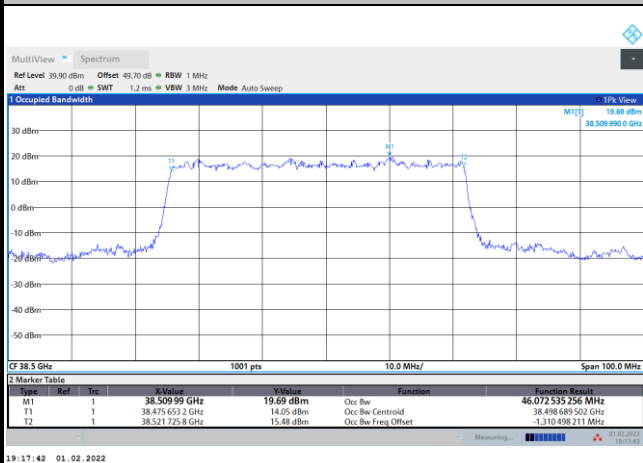
Lowest Channel / 50MHz / BPSK



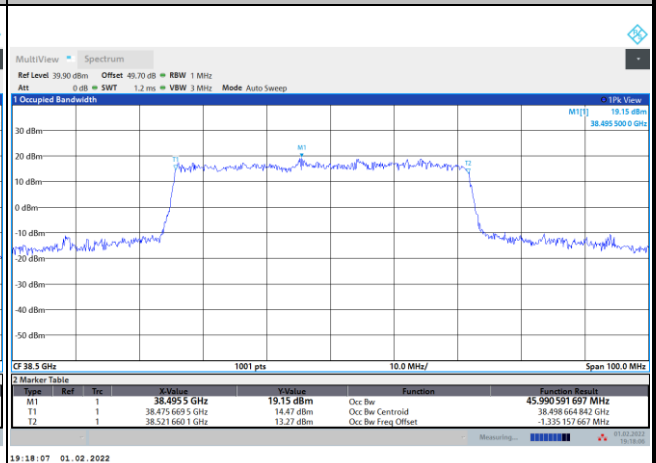
Lowest Channel / 50MHz / QPSK



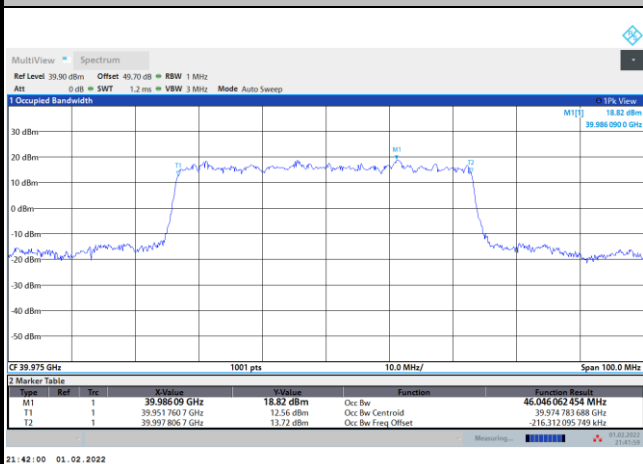
Middle Channel / 50MHz / BPSK



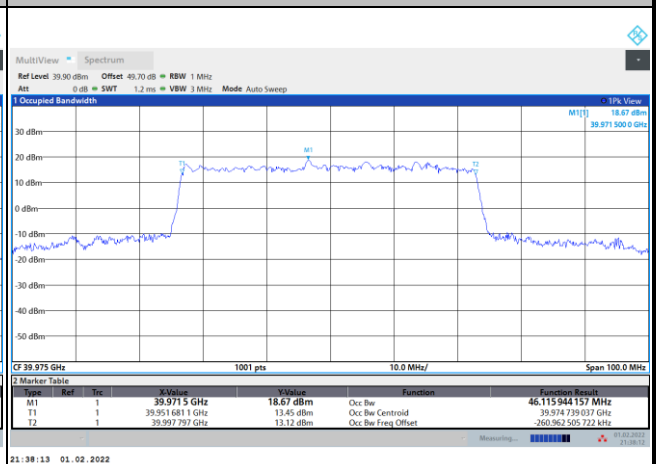
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK



Highest Channel / 50MHz / QPSK

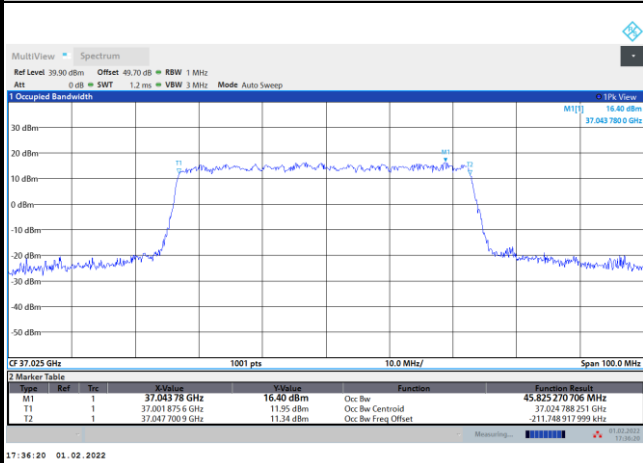




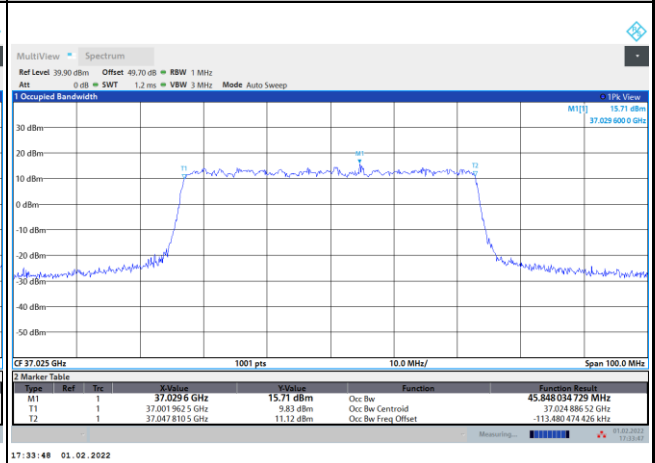
DFT-s-OFDM Module 2

NR Band n260

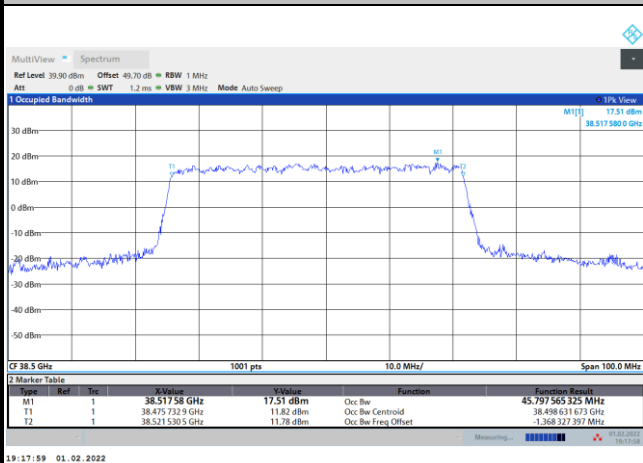
Lowest Channel / 50MHz / 16QAM



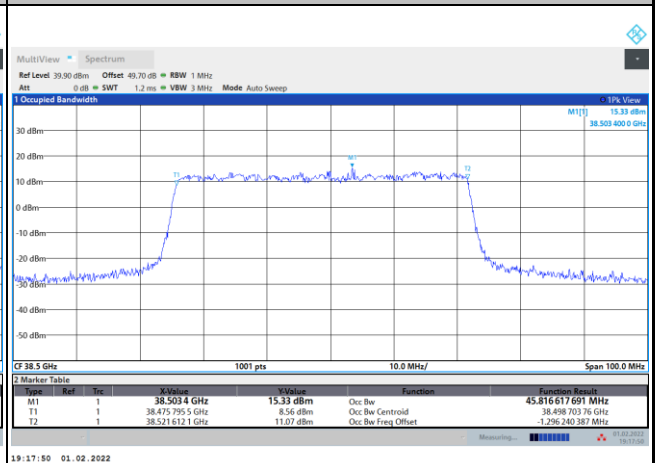
Lowest Channel / 50MHz / 64QAM



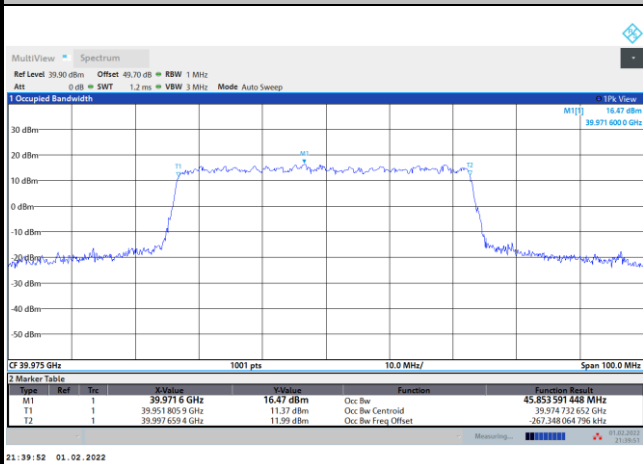
Middle Channel / 50MHz / 16QAM



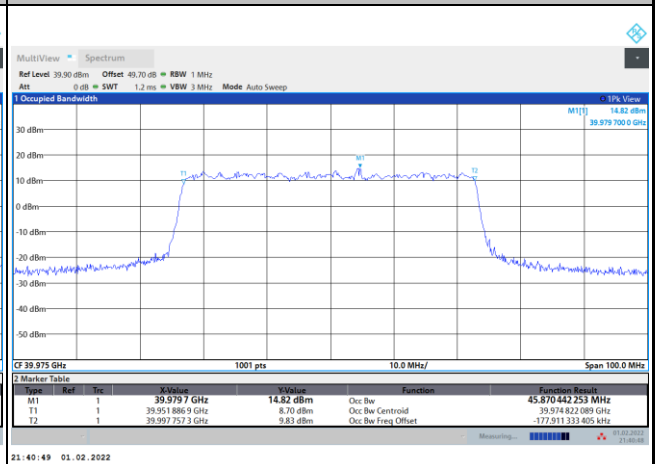
Middle Channel / 50MHz / 64QAM



Highest Channel / 50MHz / 16QAM



Highest Channel / 50MHz / 64QAM

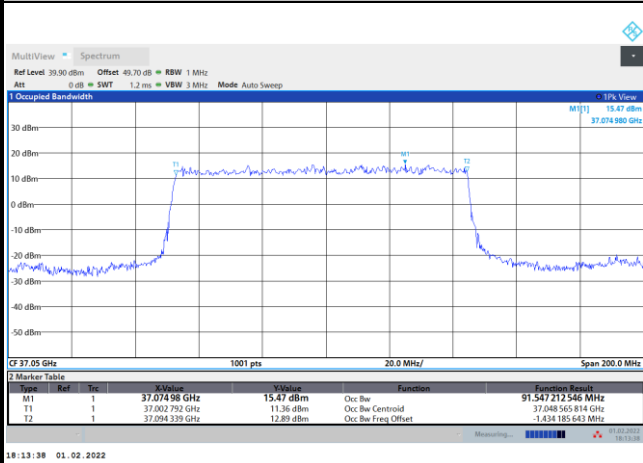




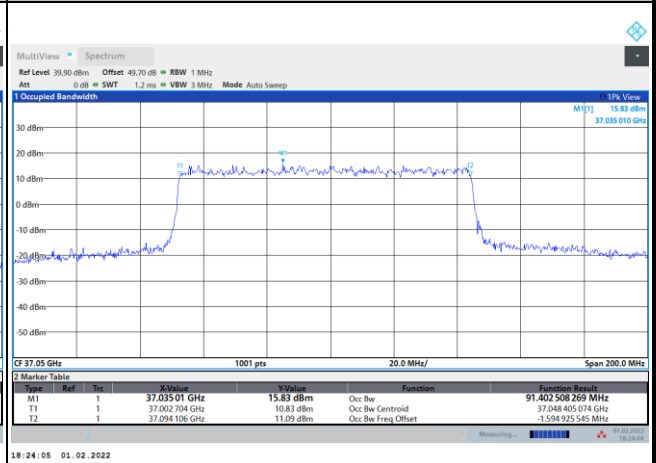
DFT-s-OFDM Module 2

NR Band n260

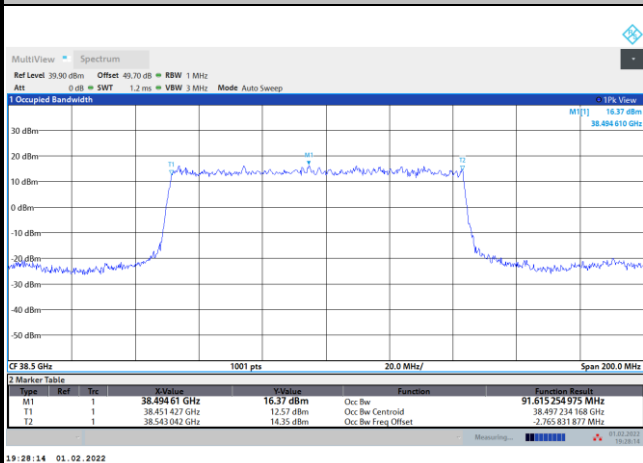
Lowest Channel / 100MHz / BPSK



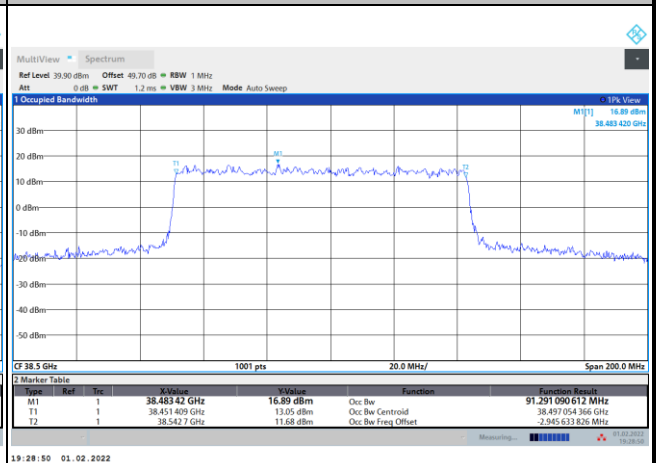
Lowest Channel / 100MHz / QPSK



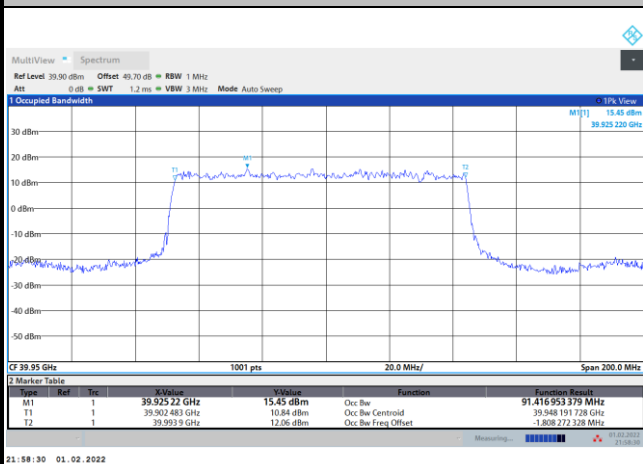
Middle Channel / 100MHz / BPSK



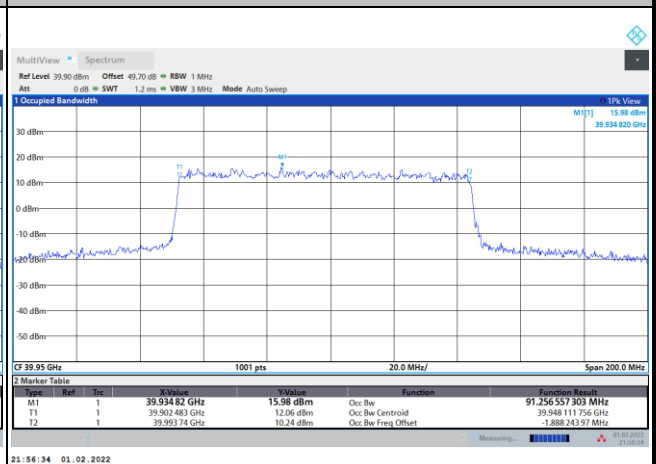
Middle Channel / 100MHz / QPSK



Highest Channel / 100MHz / BPSK



Highest Channel / 100MHz / QPSK

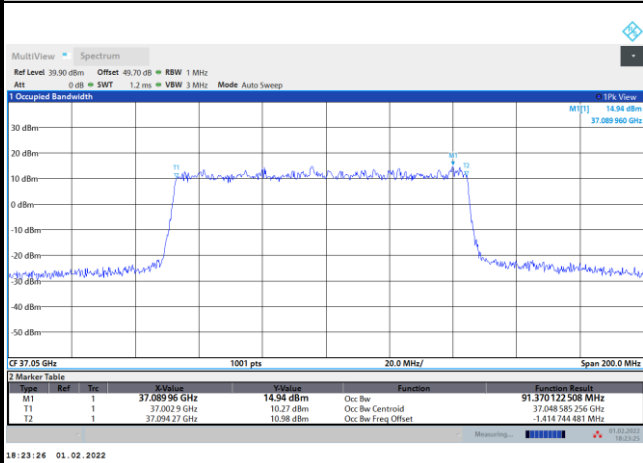




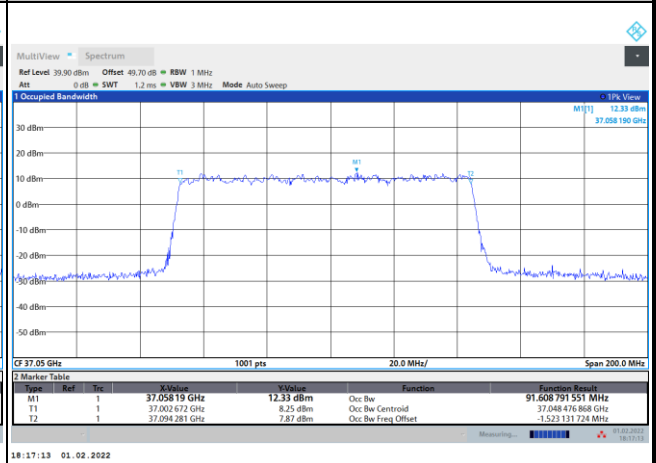
DFT-s-OFDM Module 2

NR Band n260

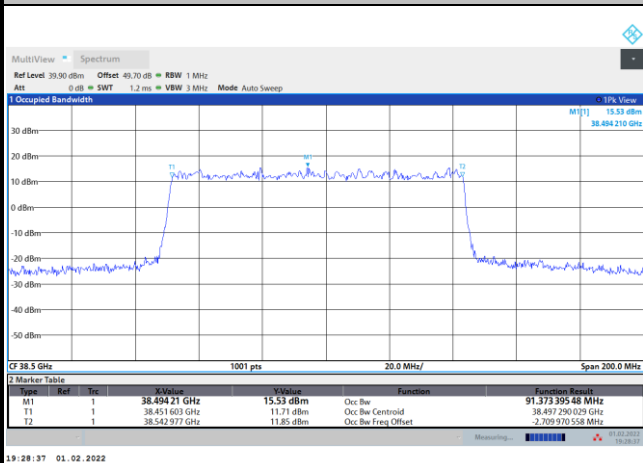
Lowest Channel / 100MHz / 16QAM



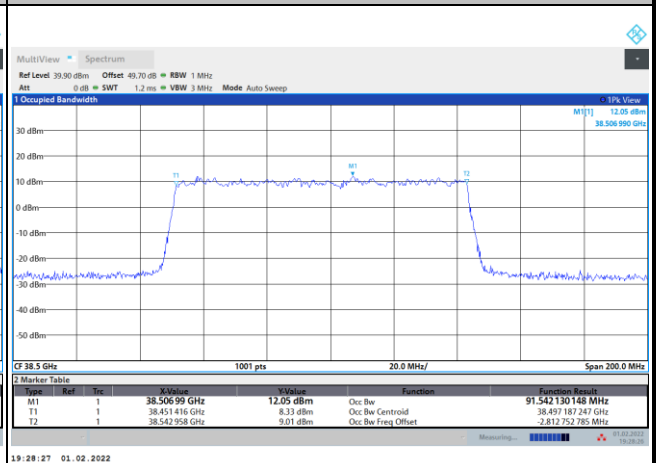
Lowest Channel / 100MHz / 64QAM



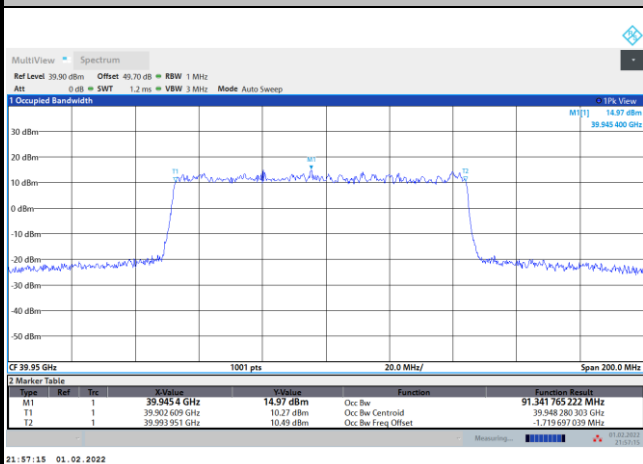
Middle Channel / 100MHz / 16QAM



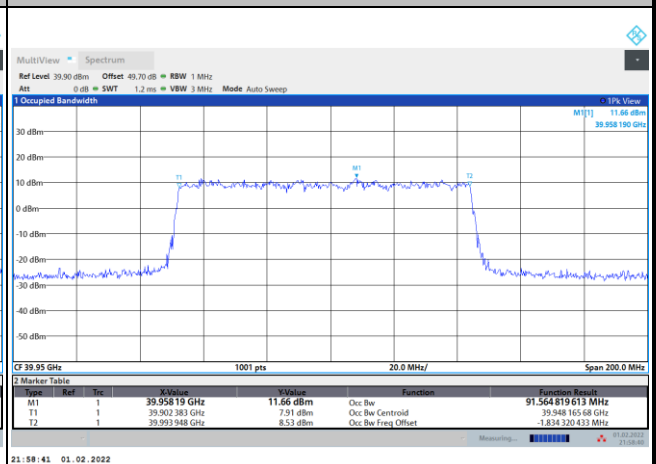
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

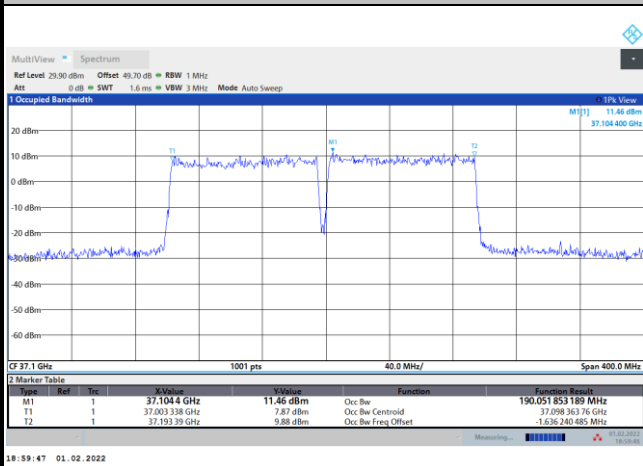




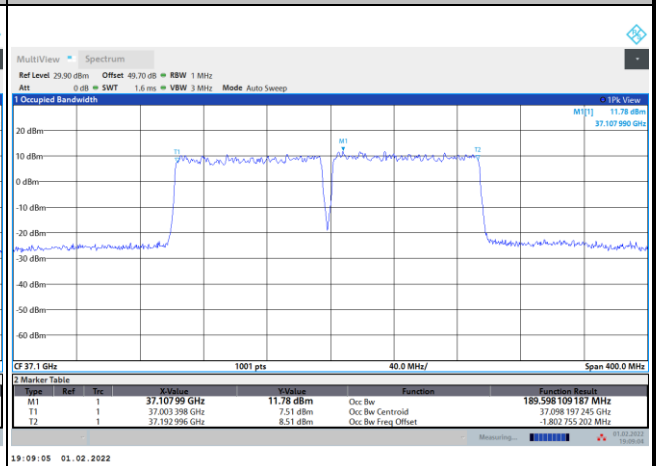
DFT-s-OFDM Module 2

NR Band n260

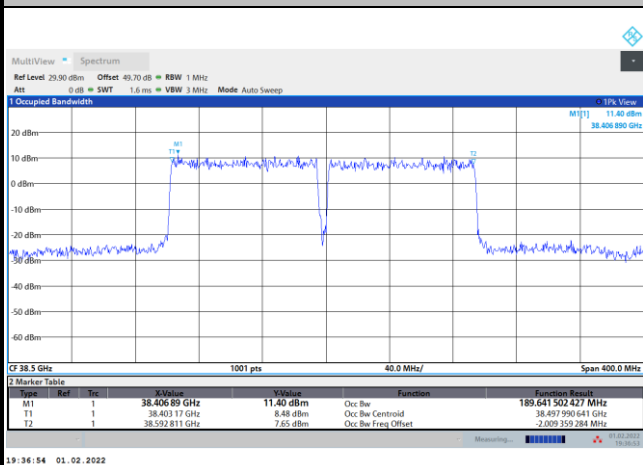
Lowest Channel / 200MHz / BPSK



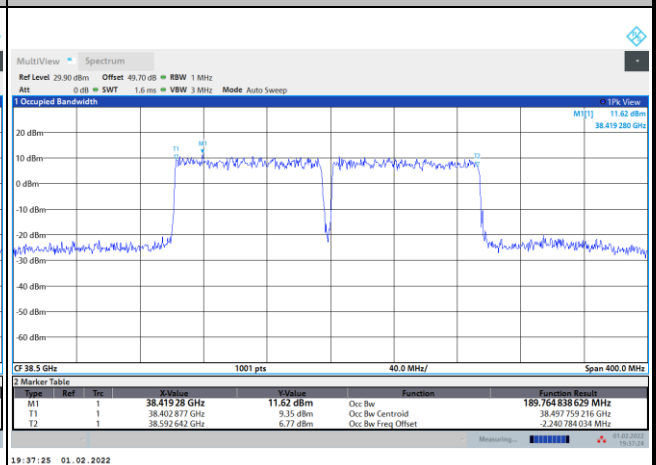
Lowest Channel / 200MHz / QPSK



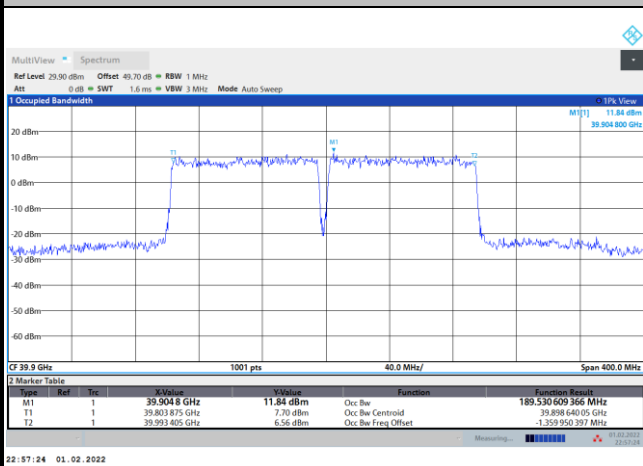
Middle Channel / 200MHz / BPSK



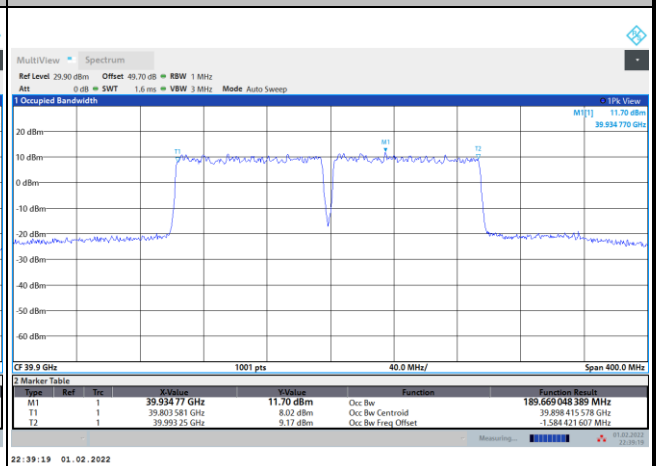
Middle Channel / 200MHz / QPSK



Highest Channel / 200MHz / BPSK



Highest Channel / 200MHz / QPSK

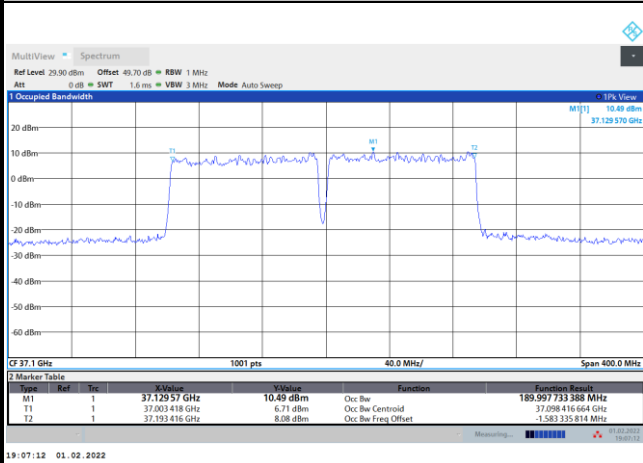




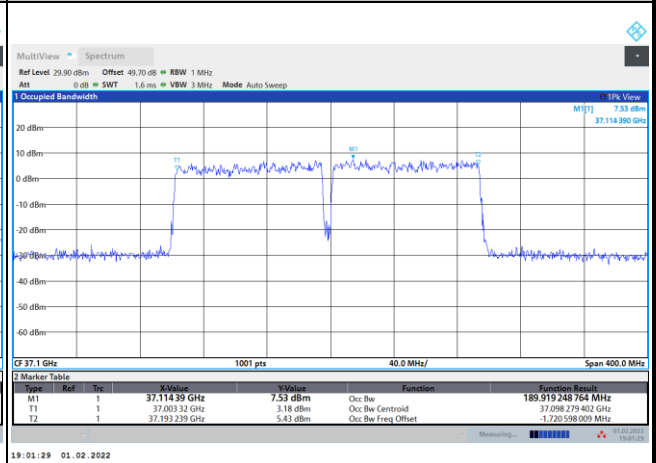
DFT-s-OFDM Module 2

NR Band n260

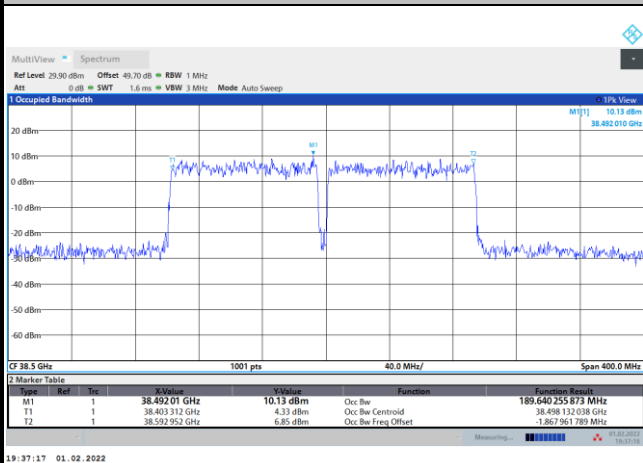
Lowest Channel / 200MHz / 16QAM



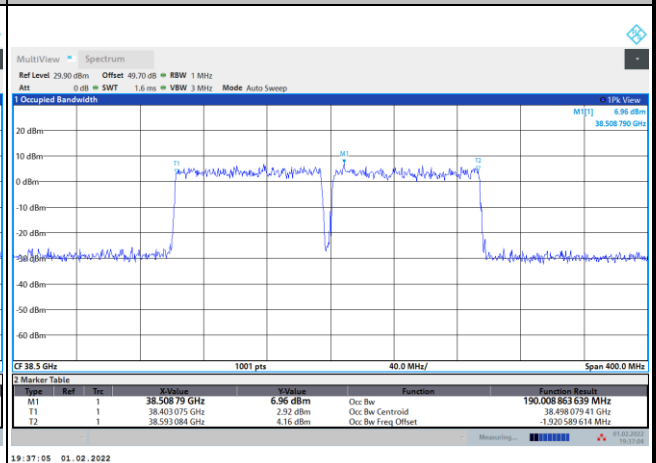
Lowest Channel / 200MHz / 64QAM



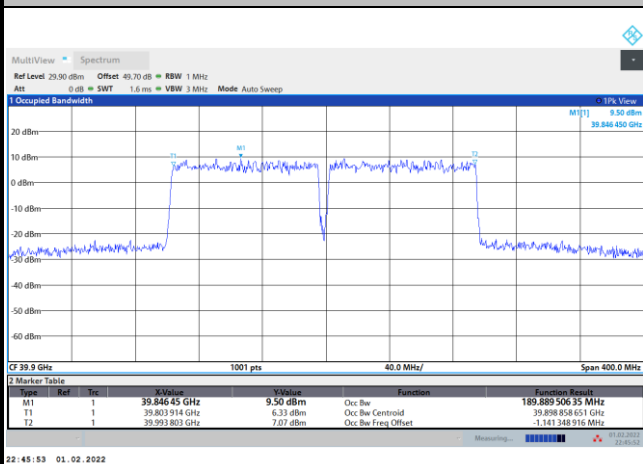
Middle Channel / 200MHz / 16QAM



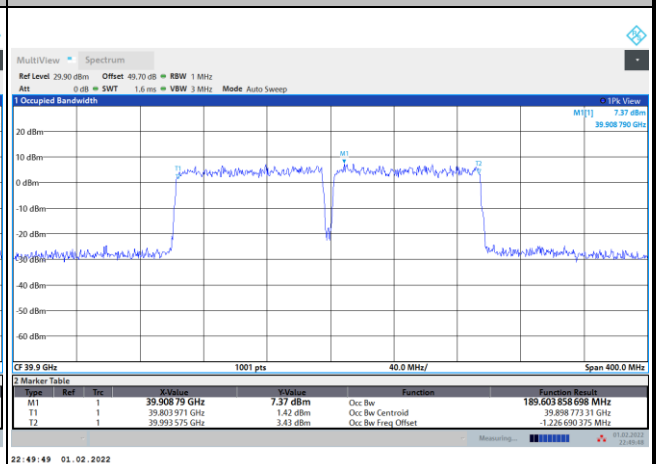
Middle Channel / 200MHz / 64QAM



Highest Channel / 200MHz / 16QAM



Highest Channel / 200MHz / 64QAM

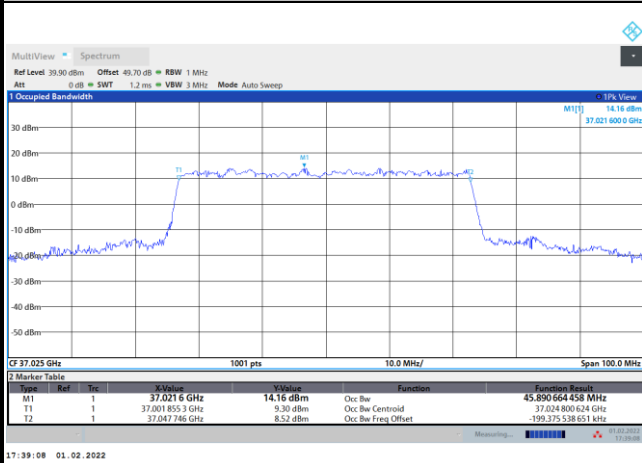




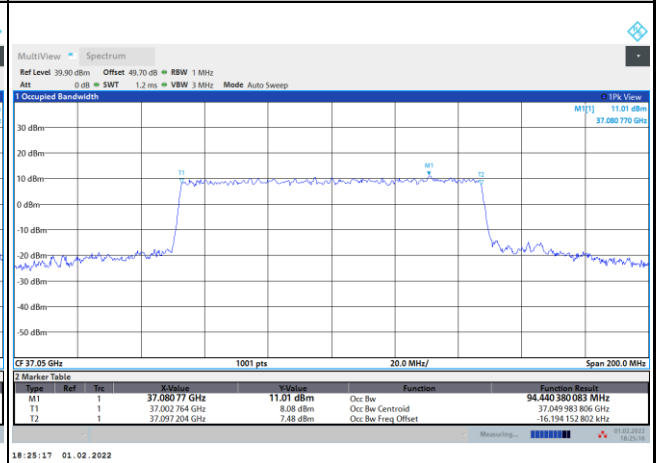
CP-OFDM Module 2

NR Band n260

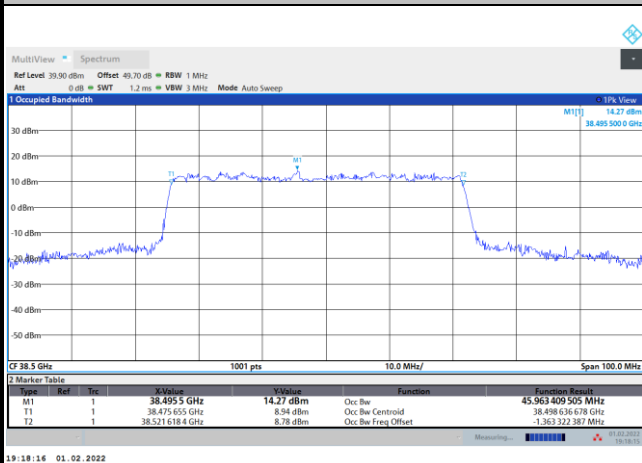
Lowest Channel / 50MHz / QPSK



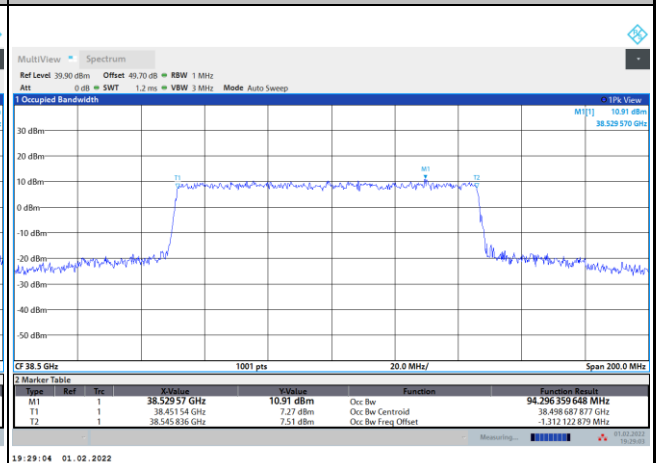
Lowest Channel / 100MHz / QPSK



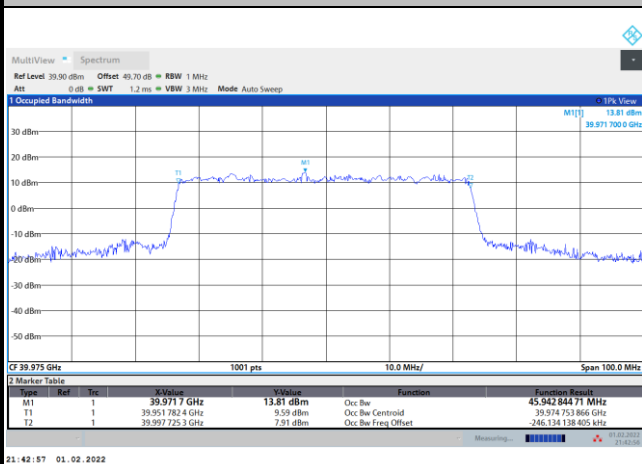
Middle Channel / 50MHz / QPSK



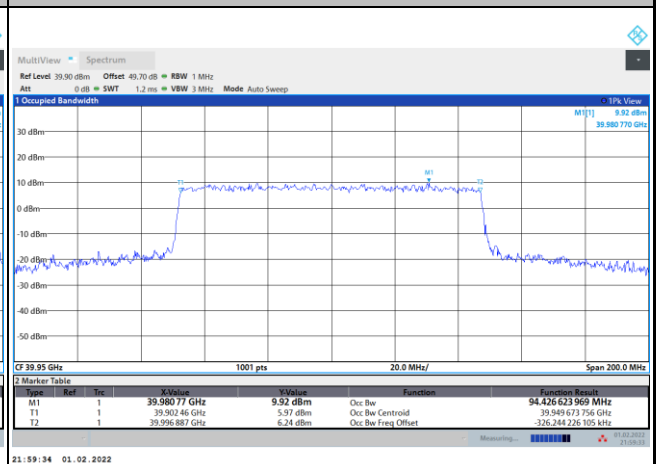
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK

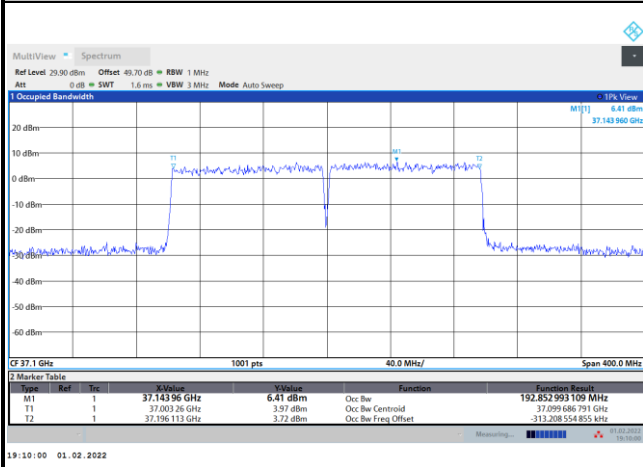




CP-OFDM Module 2

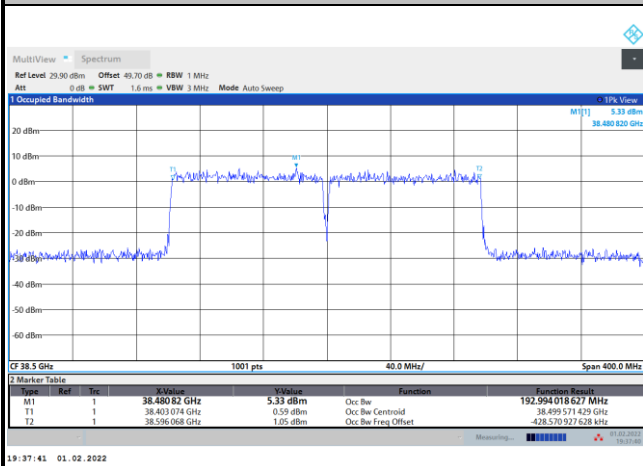
NR Band n260

Lowest Channel / 200MHz / QPSK



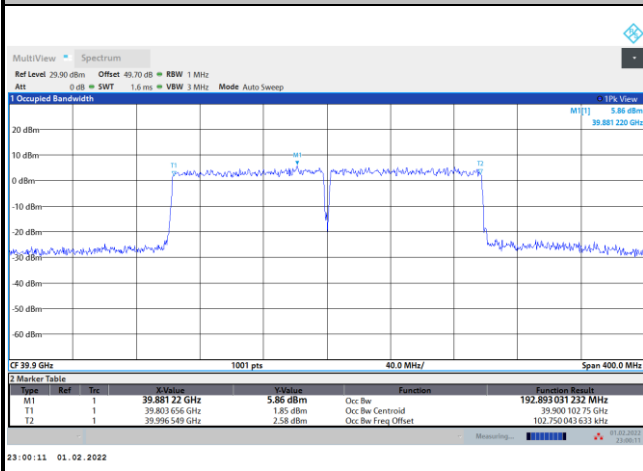
intentionally blank

Middle Channel / 200MHz / QPSK



intentionally blank

Highest Channel / 200MHz / QPSK



intentionally blank





**Radiated Out of Band Emissions**

Mode			DFT-s-OFDM Module 2 NR Band n260 : BE (dBm) 1 RB											
BW			50MHz				100MHz				200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-7.52	-7.53	-7.34	-7.57	-8.88	-9.14	-11.29	-10.69	-18.19	-17.76	-18.39	-16.06
	>10%OB	≤-13	-23.31	-22.84	-24.78	-25.52	-28.34	-28.31	-29.47	-29.47	-24.66	-23.37	-24.86	-21.61
High CH	0~10%OB	≤-5	-10.17	-10.44	-12.16	-13.42	-11.27	-11.13	-14.25	-14.43	-19.97	-19.75	-21.51	-19.51
	>10%OB	≤-13	-22.13	-22.06	-24.09	-24.46	-28.07	-27.56	-29.45	-29.44	-26.58	-25.77	-25.09	-21.96
Result			Compliance											

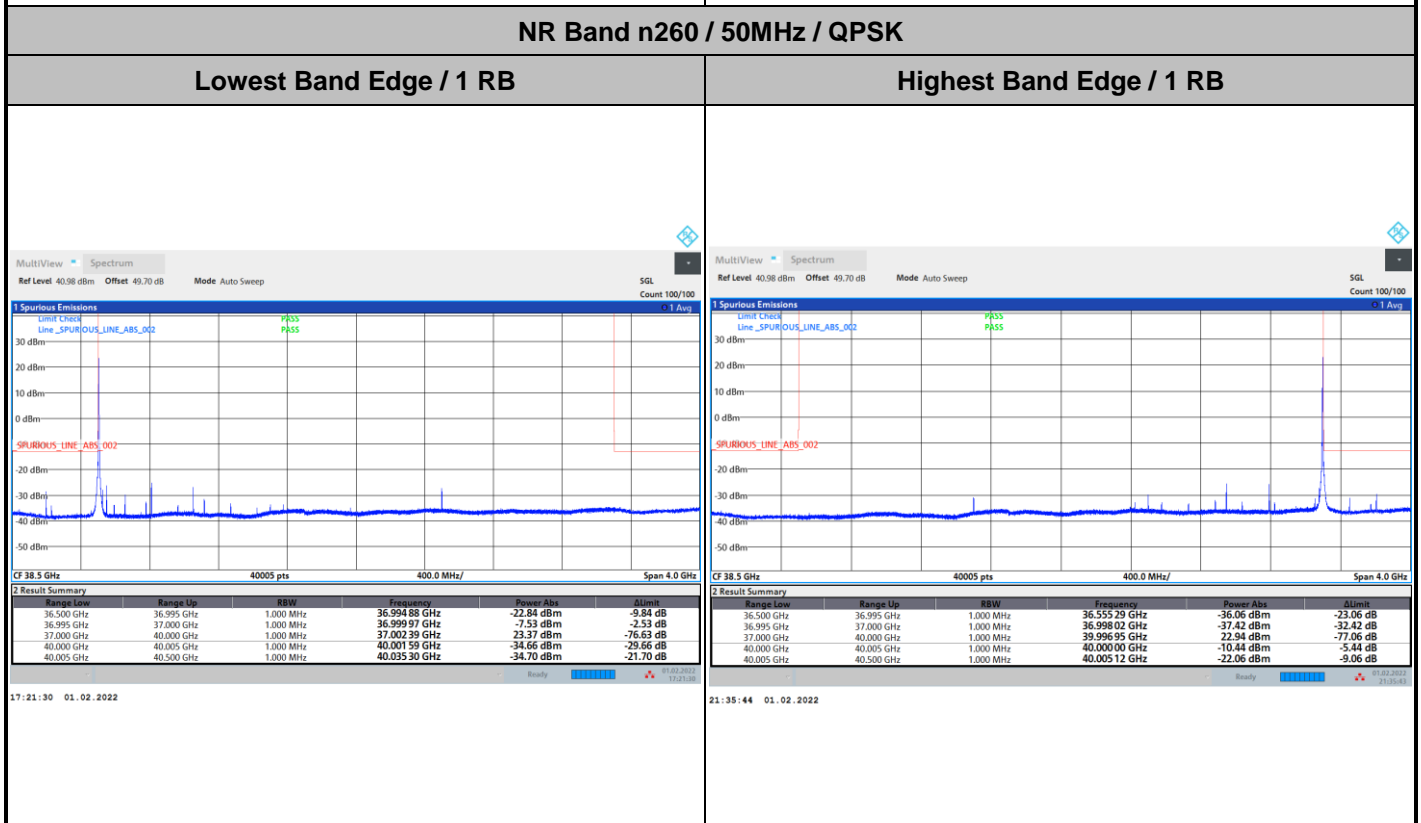
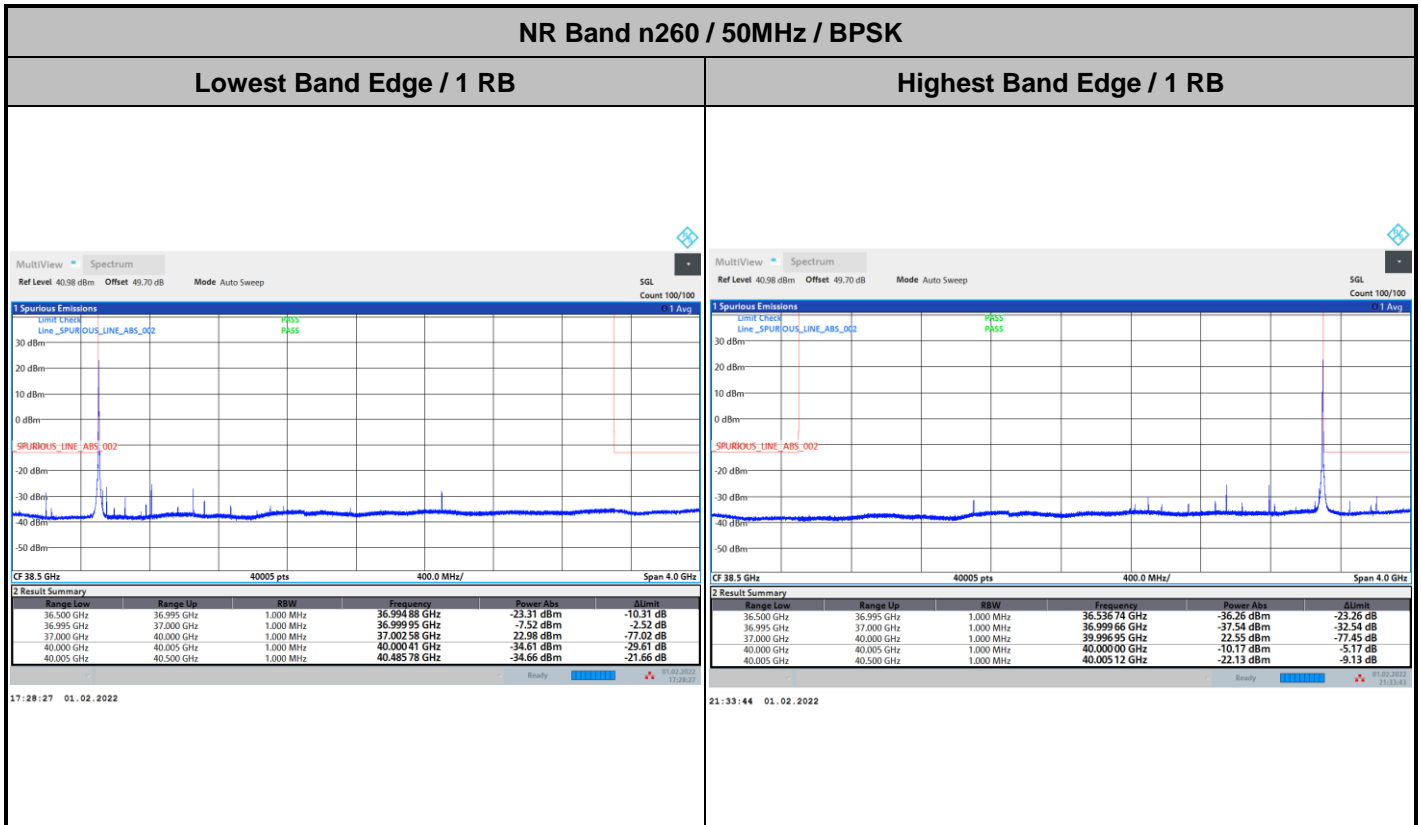
Mode			CP-OFDM Module 2 NR Band n260 : BE (dBm) 1 RB		
BW			50MHz	100MHz	200MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≤-5	-10.89	-12.83	-18.36
	>10%OB	≤-13	-27.46	-30.02	-17.69
High CH	0~10%OB	≤-5	-16.22	-16.52	-22.62
	>10%OB	≤-13	-26.94	-30.56	-20.00
Result			Compliance		

Mode			DFT-s-OFDM Module 2 NR Band n260 : BE (dBm) Full RB											
BW			50MHz				100MHz				200MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-20.06	-18.84	-22.57	-25.56	-23.52	-22.46	-25.34	-27.11	-27.93	-28.83	-29.62	-30.83
	>10%OB	≤-13	-27.47	-22.03	-30.01	-32.94	-31.25	-25.72	-31.97	-33.87	-34.08	-34.12	-34.06	-36.41
High CH	0~10%OB	≤-5	-20.31	-18.31	-23.03	-25.91	-24.91	-22.28	-27.29	-30.68	-29.15	-29.24	-30.36	-33.48
	>10%OB	≤-13	-24.86	-21.26	-26.44	-30.92	-28.54	-24.75	-29.57	-32.47	-30.53	-29.91	-31.53	-34.29
Result			Compliance											

Mode			CP-OFDM Module 2 NR Band n260 : BE (dBm) Full RB		
BW			50MHz	100MHz	200MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≤-5	-22.90	-26.80	-31.11
	>10%OB	≤-13	-26.36	-28.76	-35.24
High CH	0~10%OB	≤-5	-22.00	-25.62	-31.68
	>10%OB	≤-13	-25.20	-27.47	-33.50
Result			Compliance		



DFT-s-OFDM Module 2



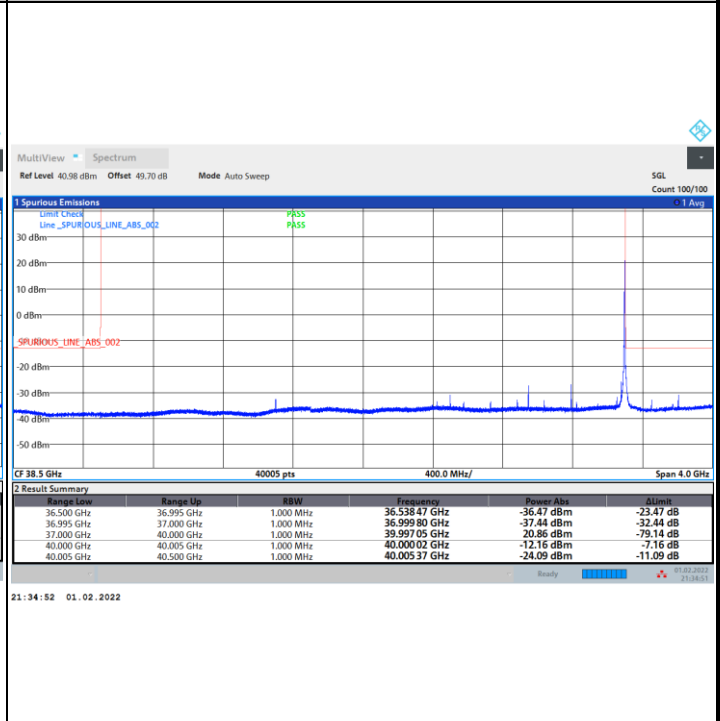
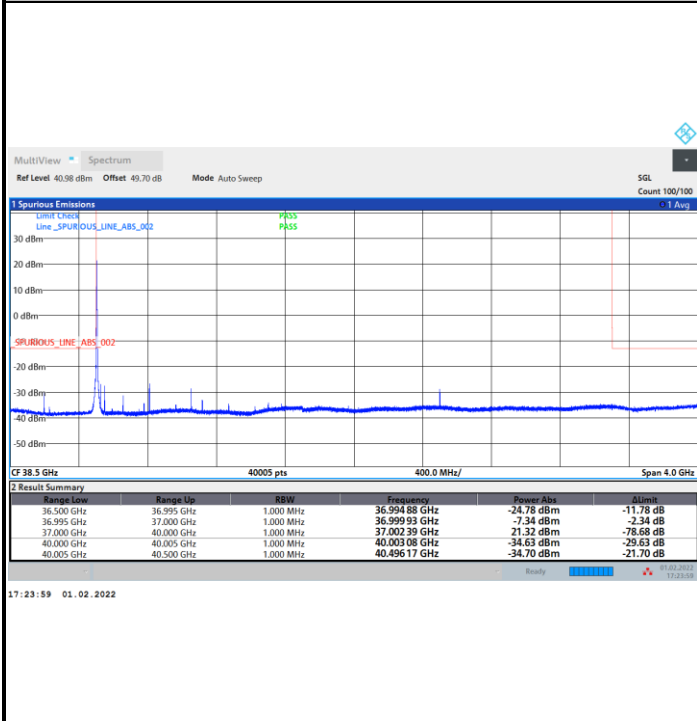


DFT-s-OFDM Module 2

NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB



NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / 1 RB

Highest Band Edge / 1 RB

