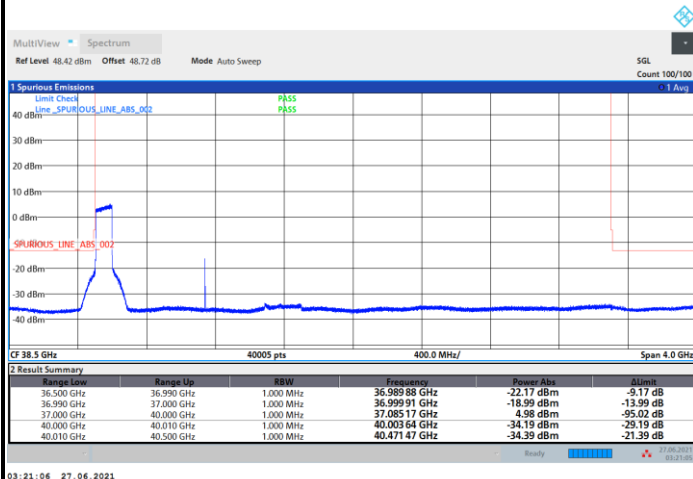




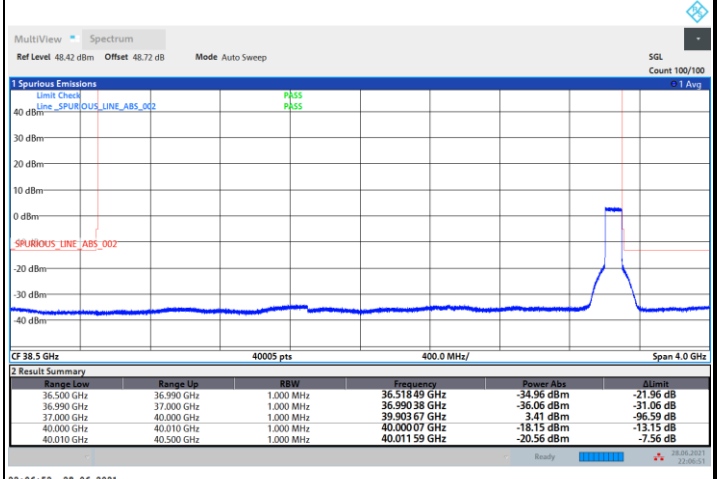
CP-OFDM Module B

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB

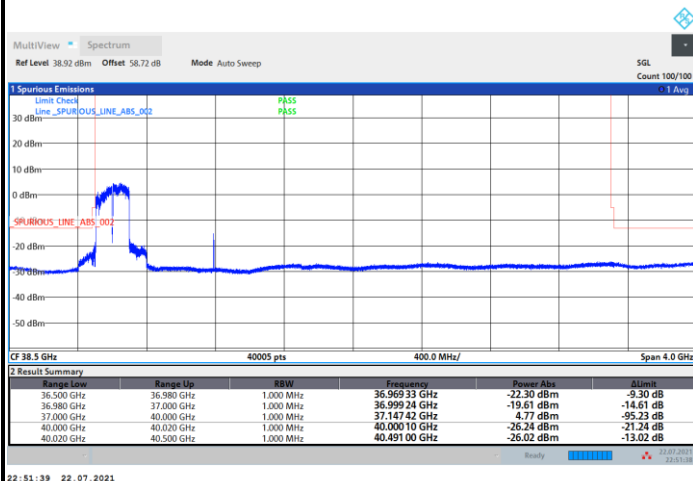


Highest Band Edge / Full RB

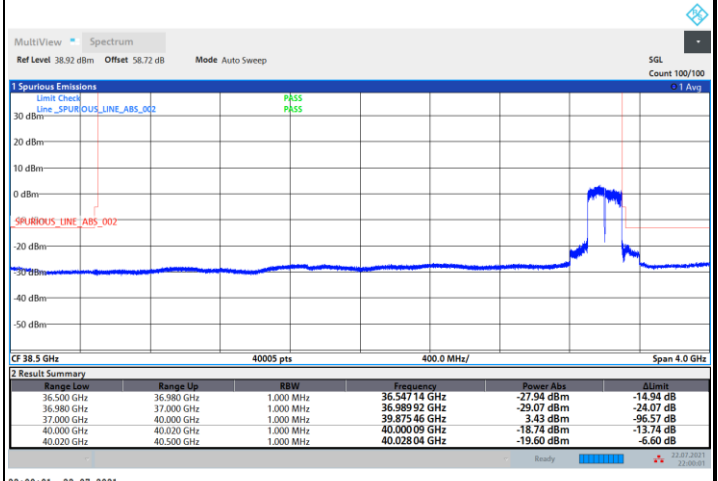


NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



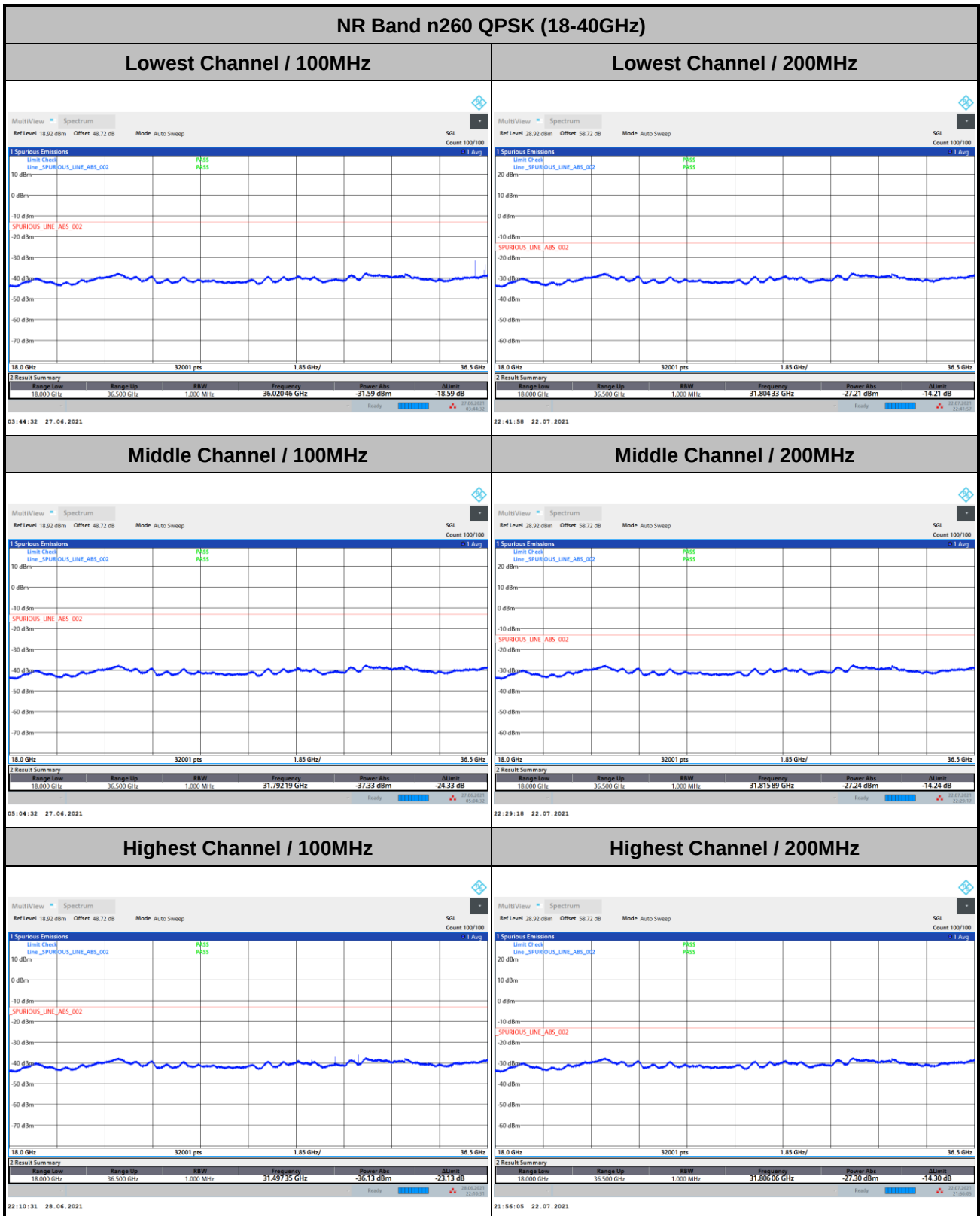


Spurious Emission



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

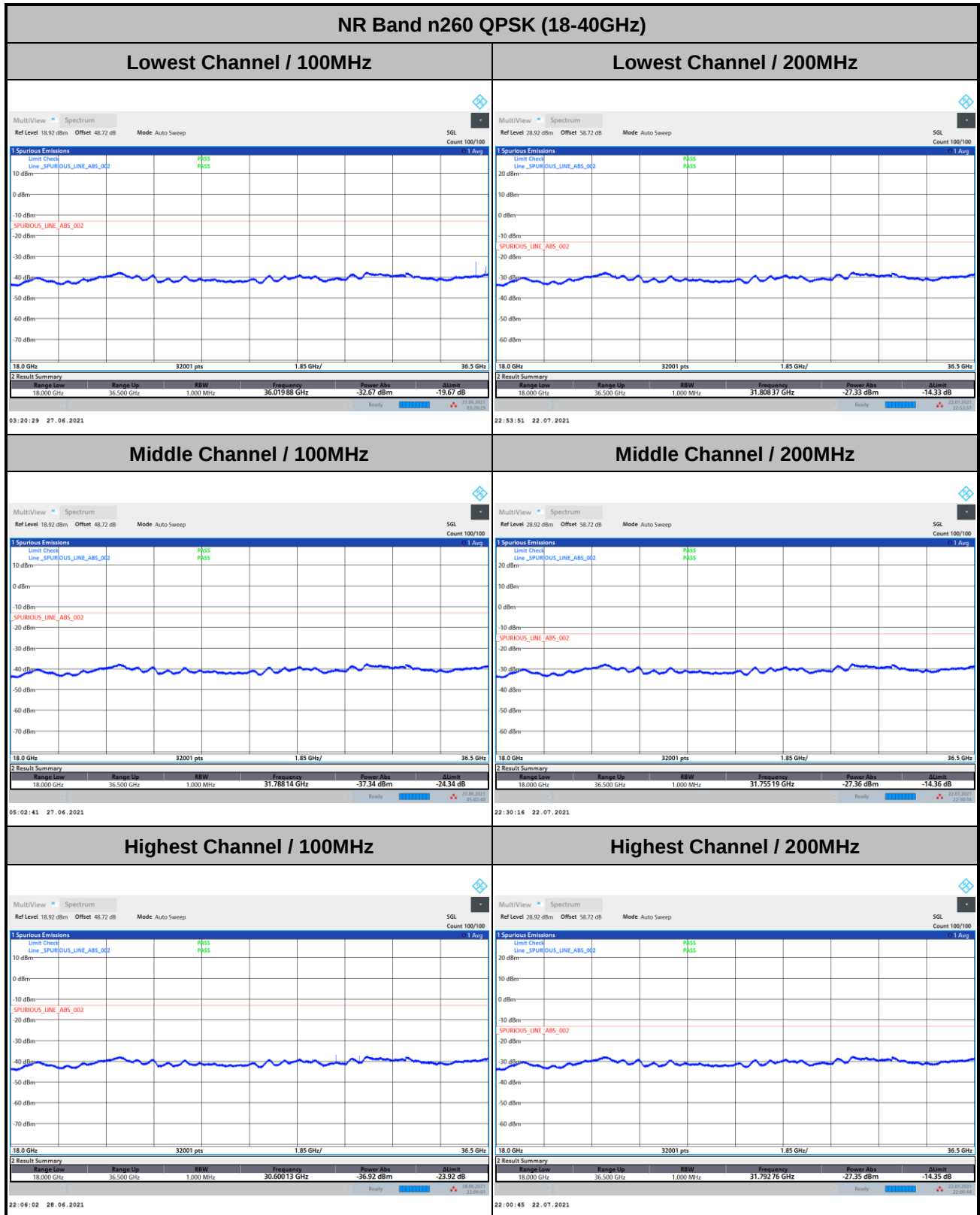
DFT-s-OFDM Module B



Remark: In band and out of band frequencies that has reported in previous results are omitted.



CP-OFDM Module B



Remark: In band and out of band frequencies that has reported in previous results are omitted.

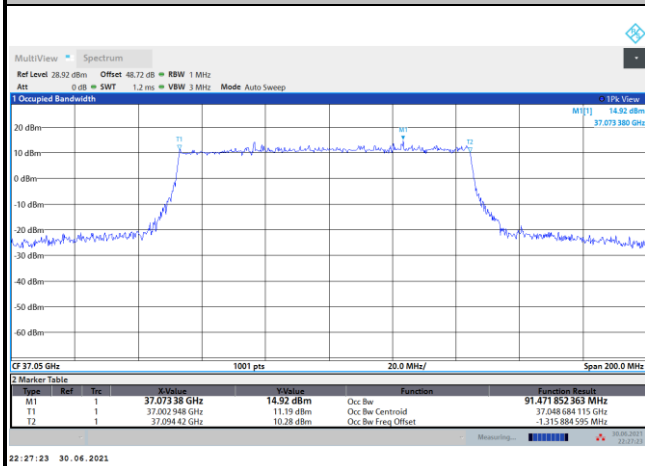
NR Band n260 Module B Beam H+V

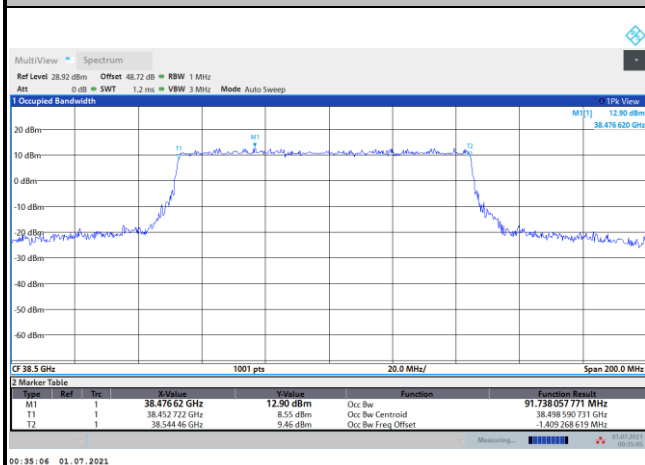
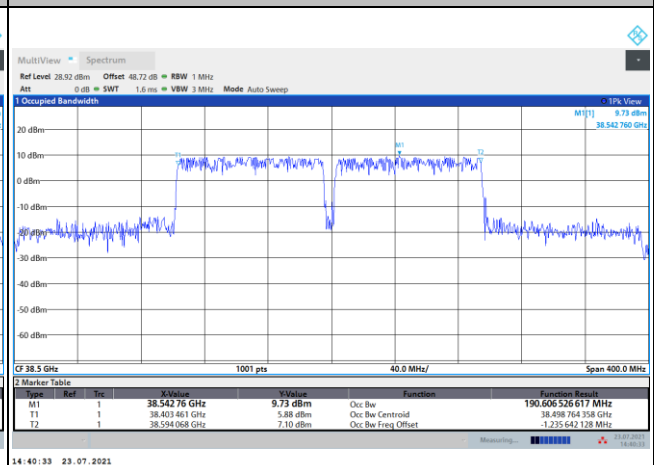
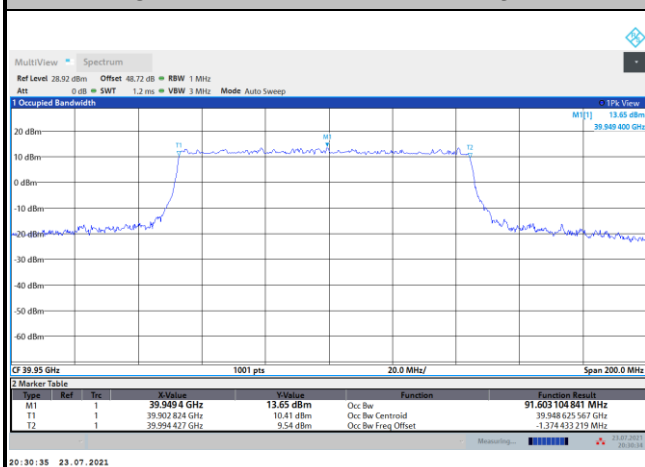
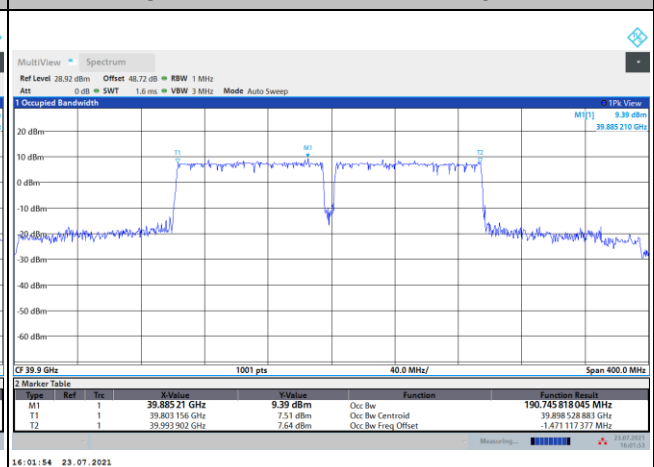
Occupied Bandwidth

Mode	DFT-s-OFDM Module B NR Band n260 : 99%OBW(MHz)					
BW	100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	92.09	91.70	91.47	190.31	190.38	190.01
Middle CH	92.17	92.05	91.73	190.60	190.76	191.00
Highest CH	93.09	92.02	91.60	190.74	190.69	190.17

Mode	CP-OFDM Module B NR Band n260 : 99%OBW(MHz)	
BW	100MHz	200MHz
Mod.	QPSK	QPSK
Lowest CH	95.00	190.31
Middle CH	95.15	193.97
Highest CH	96.67	194.18



DFT-s-OFDM Module B
NR Band n260
Lowest Channel / 100MHz / 64QAM

Lowest Channel / 200MHz / QPSK

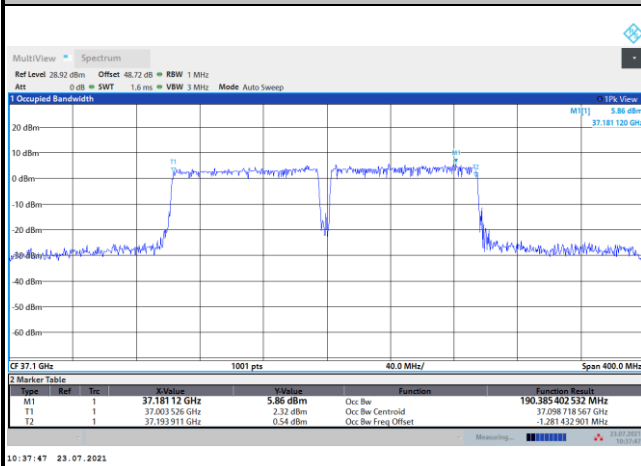
Middle Channel / 100MHz / 64QAM

Middle Channel / 200MHz / QPSK

Highest Channel / 100MHz / 64QAM

Highest Channel / 200MHz / QPSK




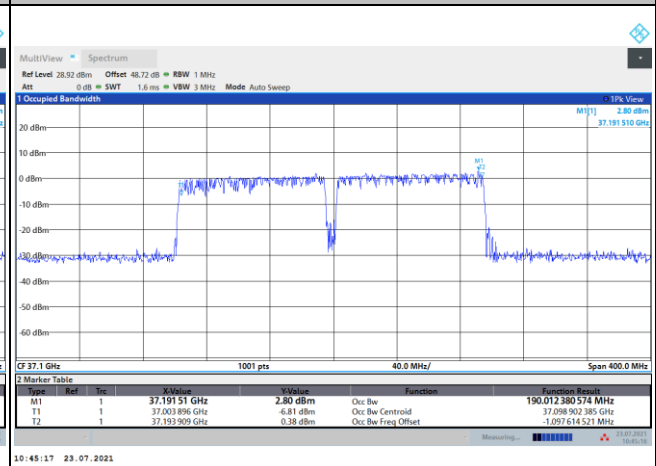
DFT-s-OFDM Module B

NR Band n260

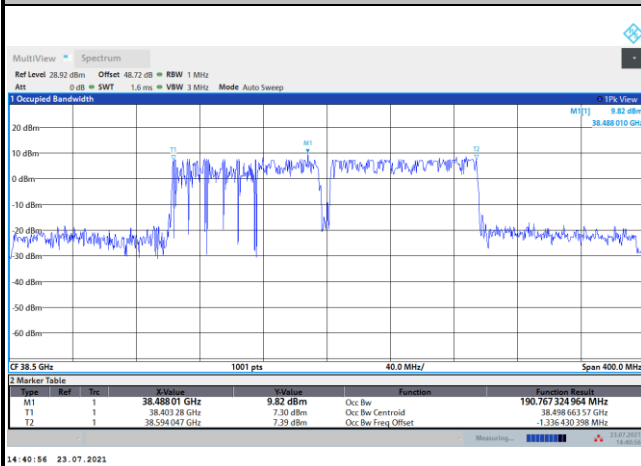
Lowest Channel / 200MHz / 16QAM



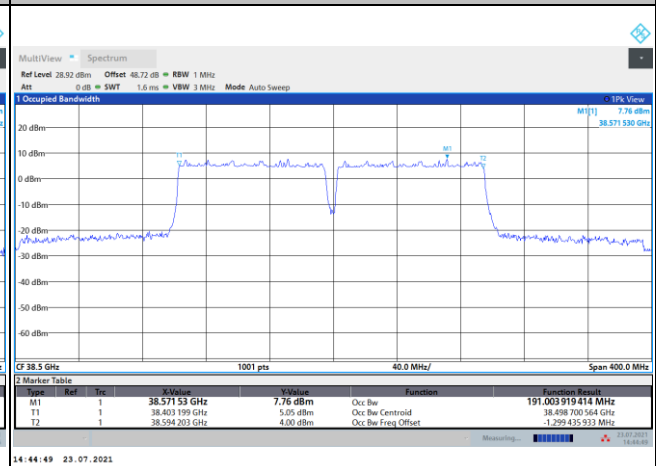
Lowest Channel / 200MHz / 64QAM



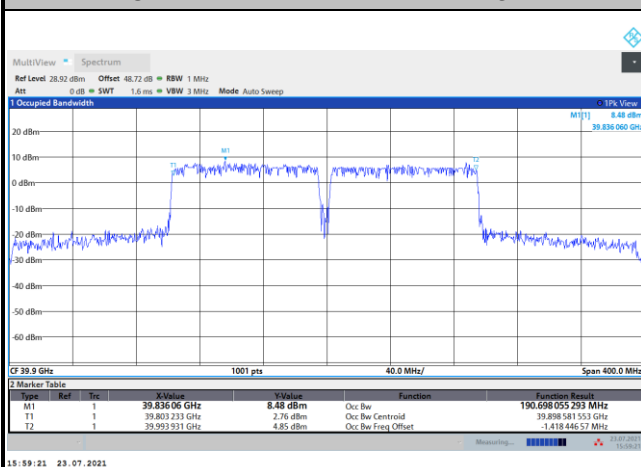
Middle Channel / 200MHz / 16QAM



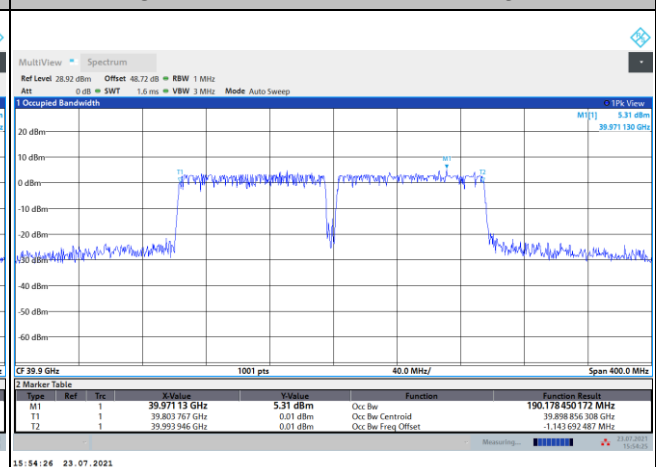
Middle Channel / 200MHz / 64QAM

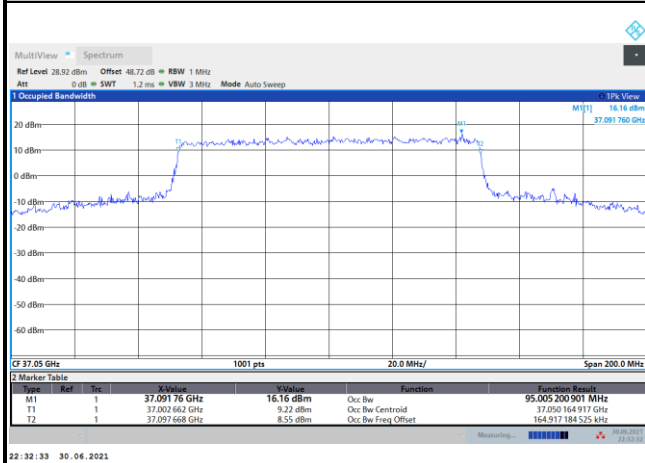
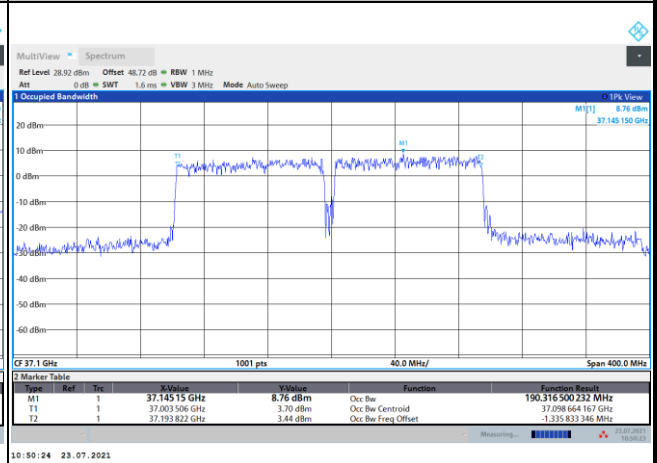
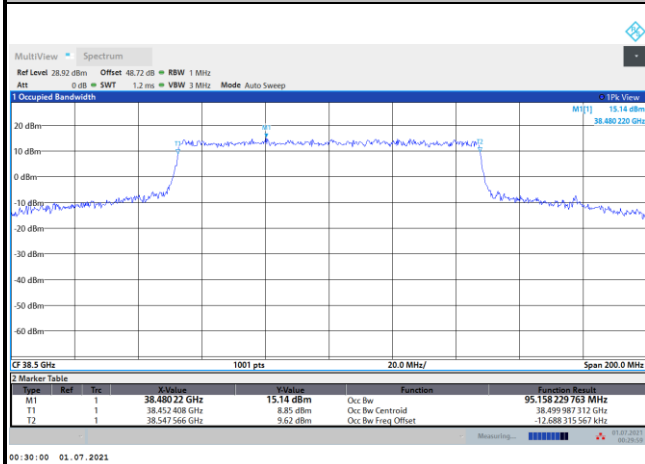
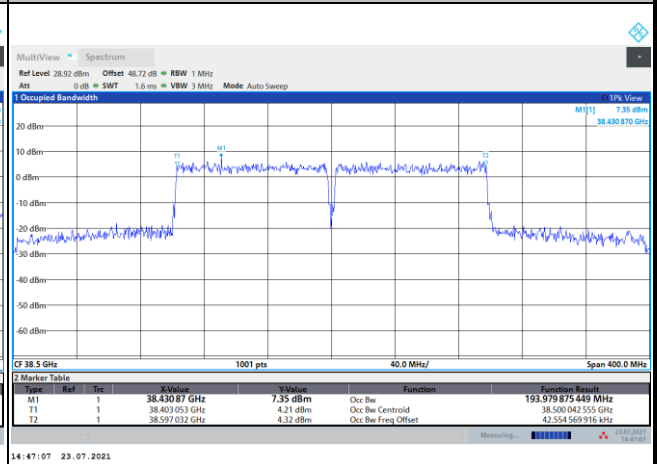
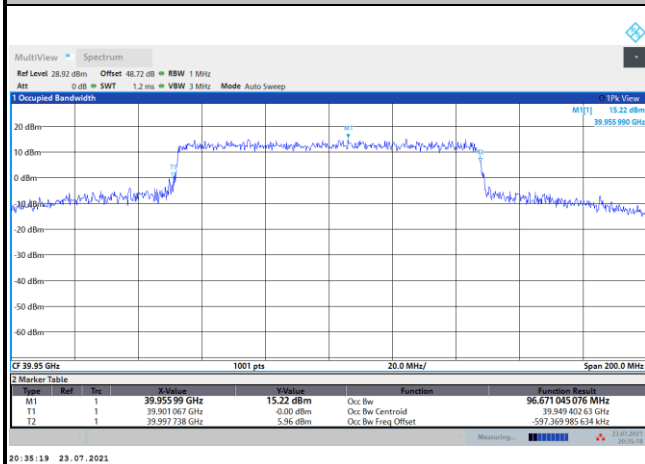
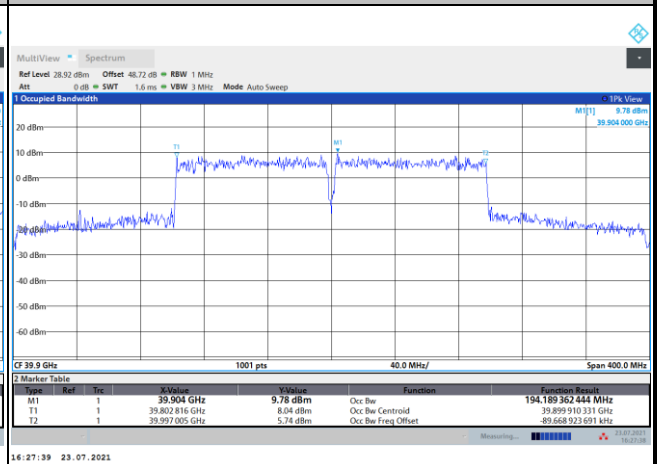


Highest Channel / 200MHz / 16QAM



Highest Channel / 200MHz / 64QAM



CP-OFDM Module B
NR Band n260
Lowest Channel / 100MHz / QPSK

Lowest Channel / 200MHz / QPSK

Middle Channel / 100MHz / QPSK

Middle Channel / 200MHz / QPSK

Highest Channel / 100MHz / QPSK

Highest Channel / 200MHz / QPSK


Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module B NR Band n260 : BE (dBm) 1 RB					
BW			100MHz			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-8.53	-8.60	-12.77	-13.69	-17.20	-21.50
	>10%OB	≤ -13	-29.86	-32.11	-34.72	-18.87	-22.68	-24.37
High CH	0~10%OB	≤ -5	-20.33	-5.75	-11.57	-14.33	-16.23	-17.89
	>10%OB	≤ -13	-16.94	-28.14	-32.32	-15.61	-18.74	-19.46
Result			Compliance					

Mode			CP-OFDM Module B NR Band n260 : BE (dBm) 1 RB	
BW			100MHz	200MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≤-5	-8.81	-13.12
	>10%OB	≤-13	-33.04	-22.06
High CH	0~10%OB	≤-5	-7.27	-17.76
	>10%OB	≤-13	-22.26	-16.60
Result			Compliance	

Mode			DFT-s-OFDM Module B NR Band n260 : BE (dBm) Full RB					
BW			100MHz			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-12.42	-16.42	-22.31	-24.67	-25.31	-28.65
	>10%OB	≤ -13	-14.88	-18.52	-29.54	-27.16	-27.98	-28.04
High CH	0~10%OB	≤ -5	-22.08	-13.19	-21.91	-20.90	-22.49	-24.53
	>10%OB	≤ -13	-22.39	-16.10	-25.99	-23.97	-24.32	-25.23
Result			Compliance					

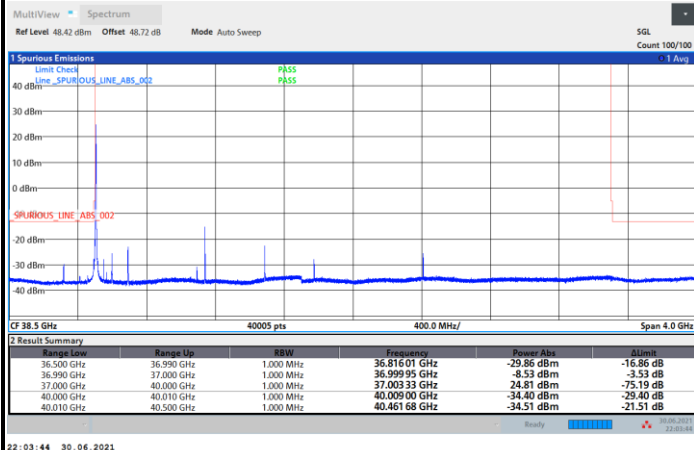
Mode			CP-OFDM Module B NR Band n260 : BE (dBm) Full RB	
BW			100MHz	200MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≤-5	-14.76	-25.51
	>10%OB	≤-13	-17.09	-27.93
High CH	0~10%OB	≤-5	-22.84	-17.42
	>10%OB	≤-13	-23.12	-21.35
Result			Compliance	



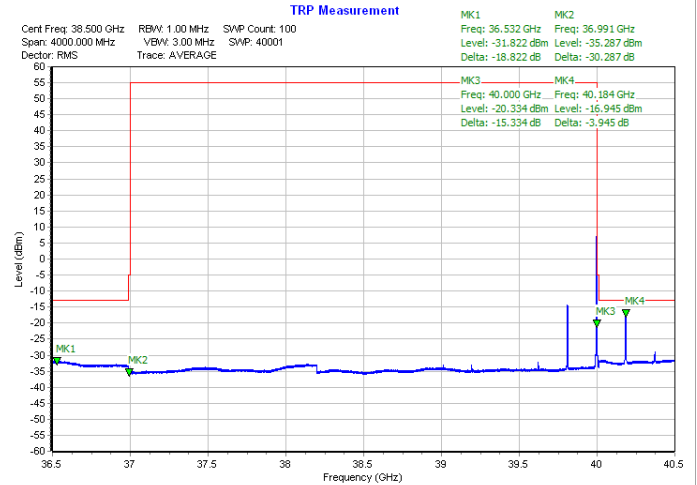
DFT-s-OFDM Module B

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB

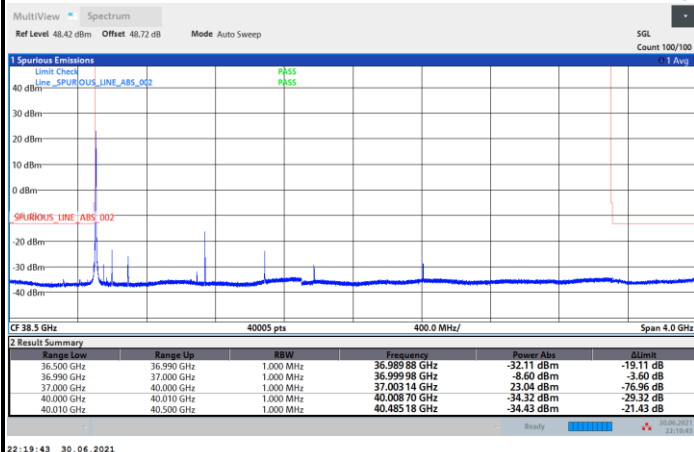


Highest Band Edge / 1 RB

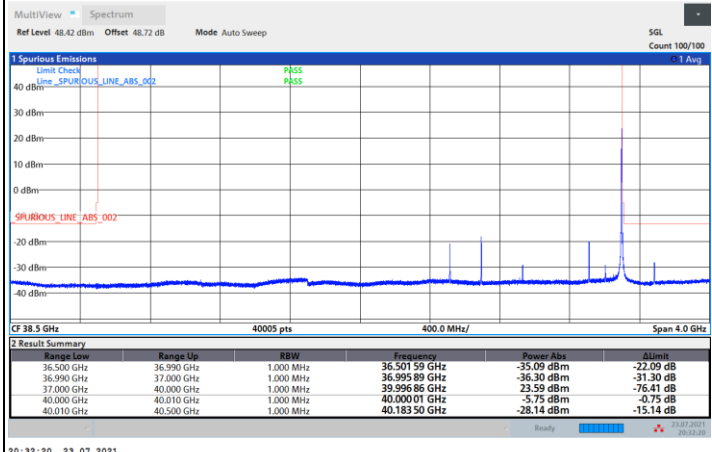


NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

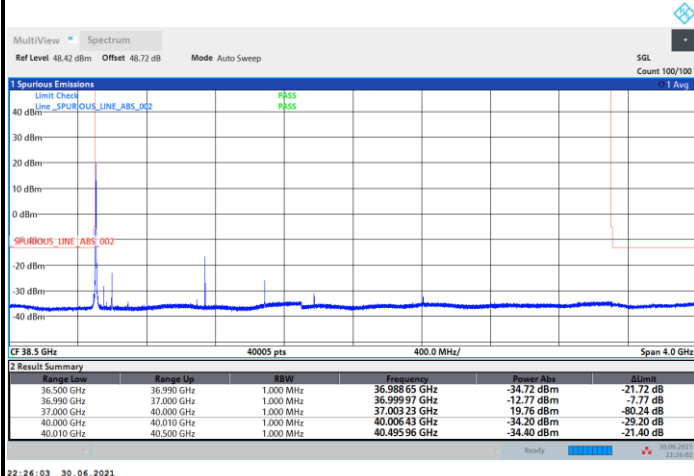




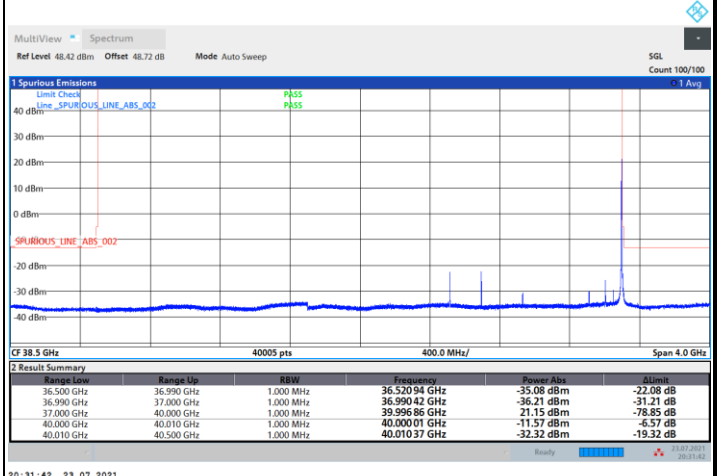
DFT-s-OFDM Module B

NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / 1 RB

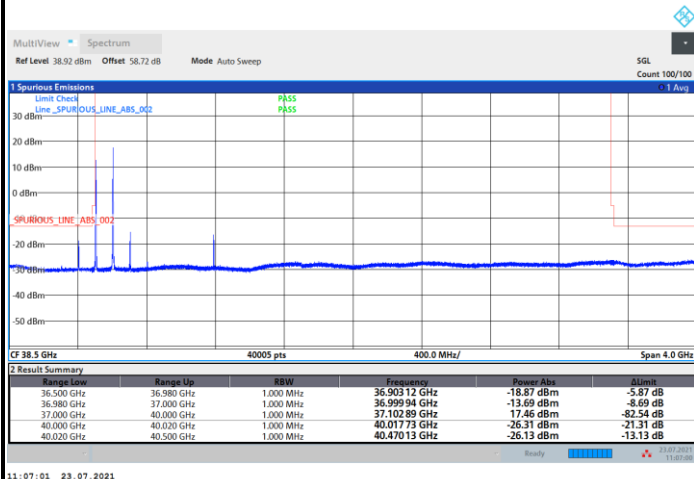


Highest Band Edge / 1 RB

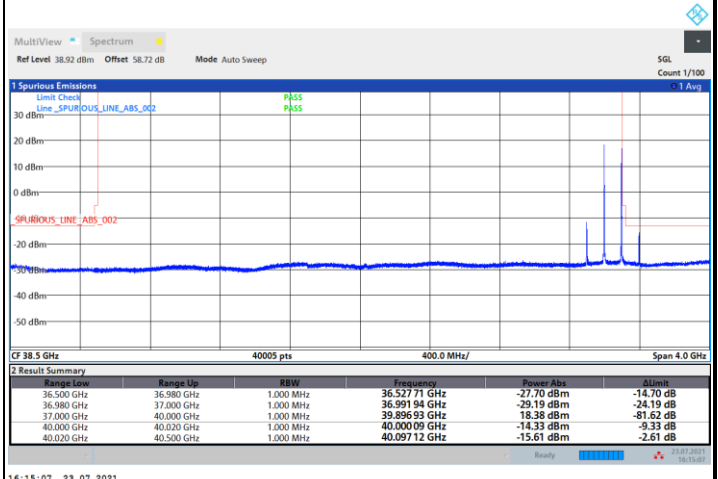


NR Band n260 / 200MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

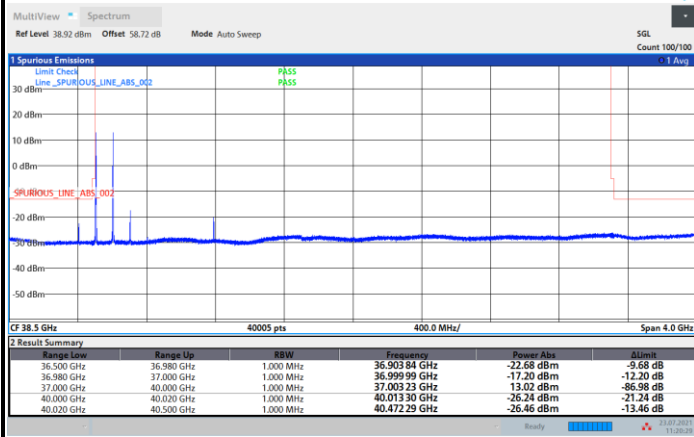




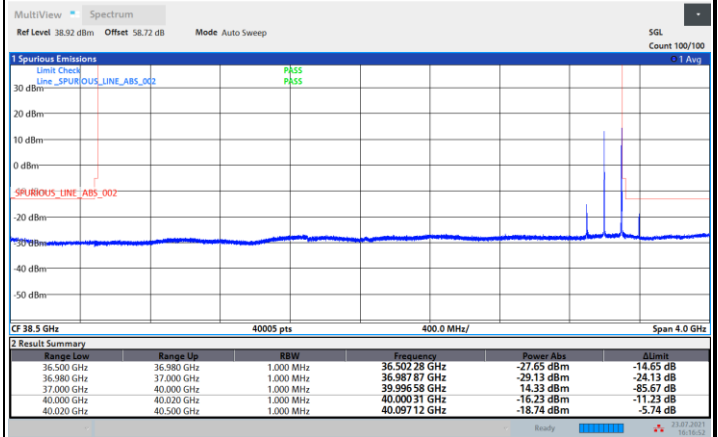
DFT-s-OFDM Module B

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / 1 RB

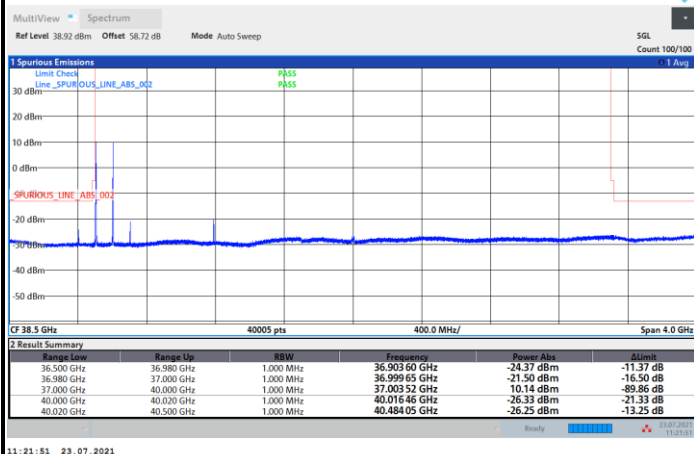


Highest Band Edge / 1 RB



NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

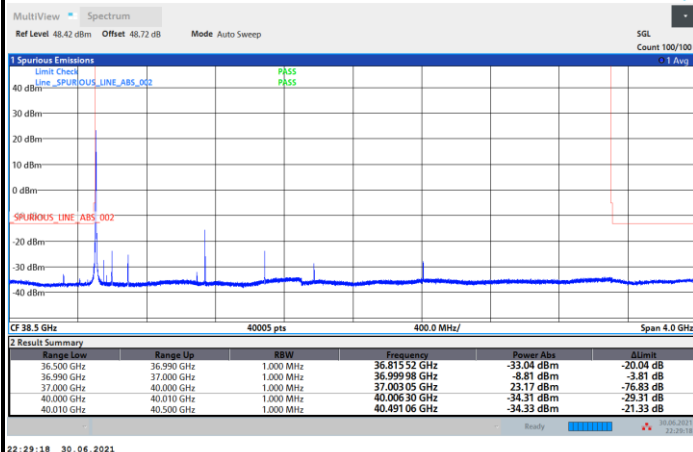




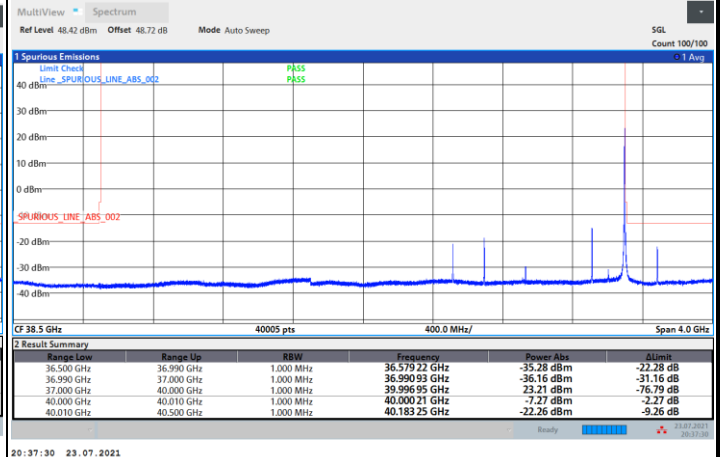
CP-OFDM Module B

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB

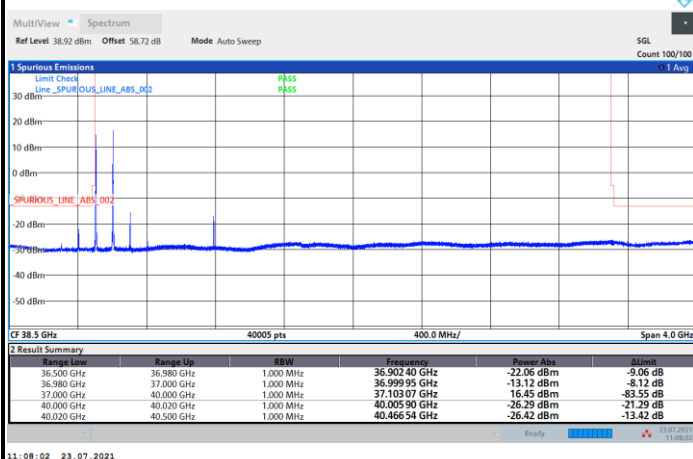


Highest Band Edge / 1 RB

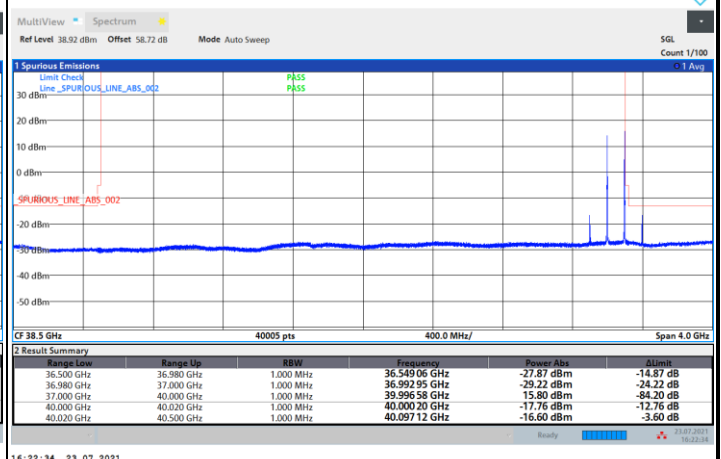


NR Band n260 / 200MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

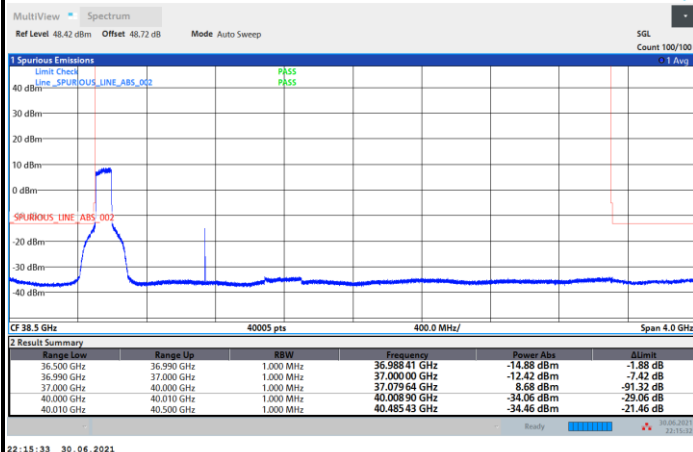




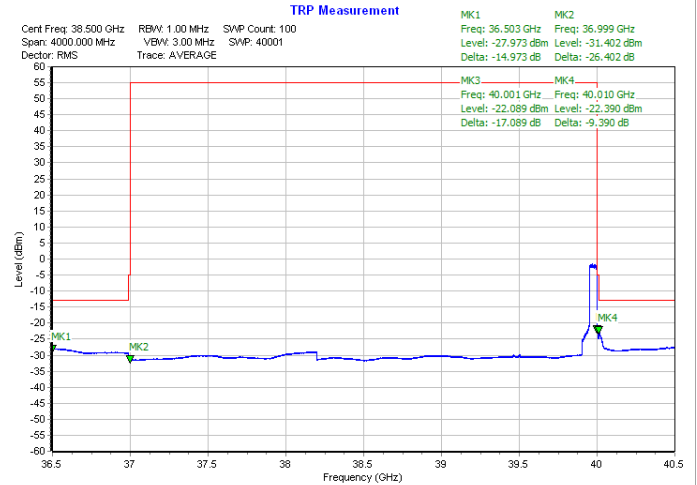
DFT-s-OFDM Module B

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB

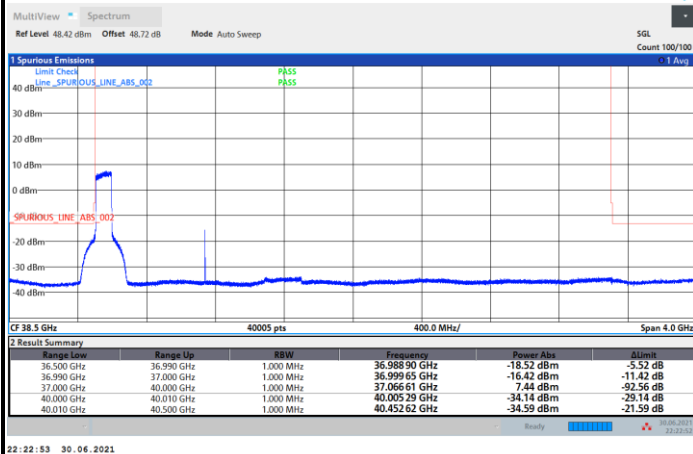


Highest Band Edge / Full RB

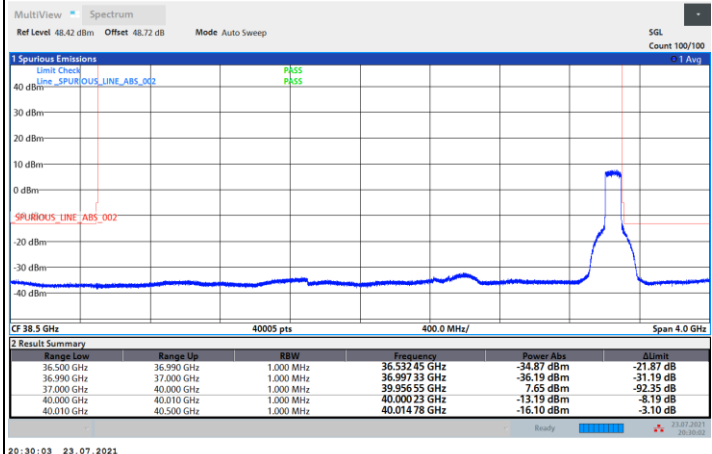


NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

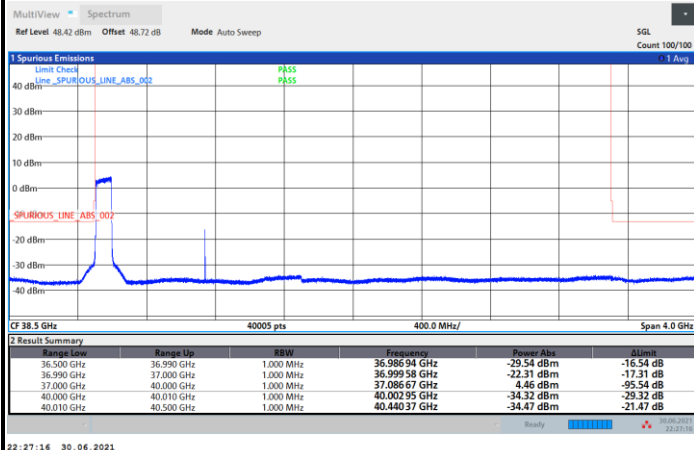




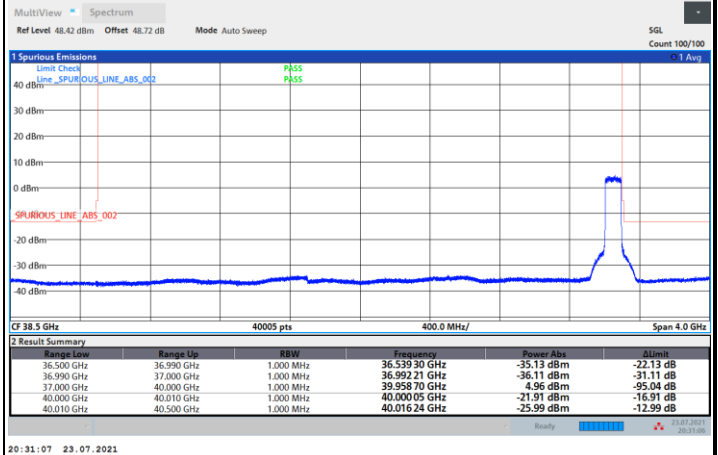
DFT-s-OFDM Module B

NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB

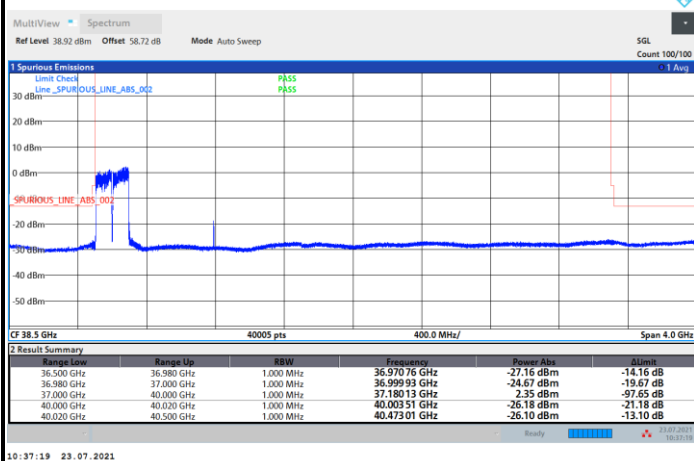


Highest Band Edge / Full RB



NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

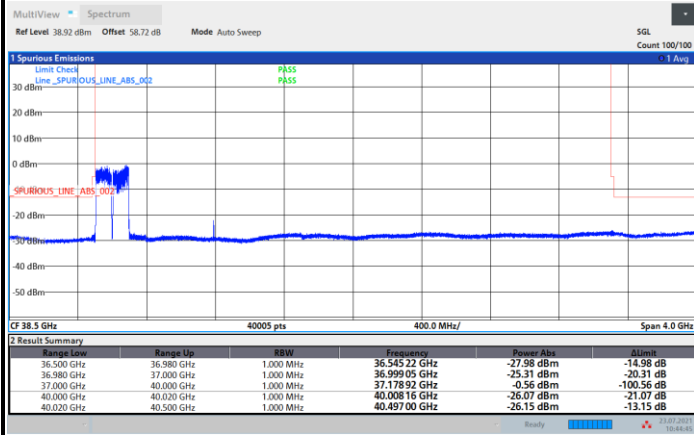




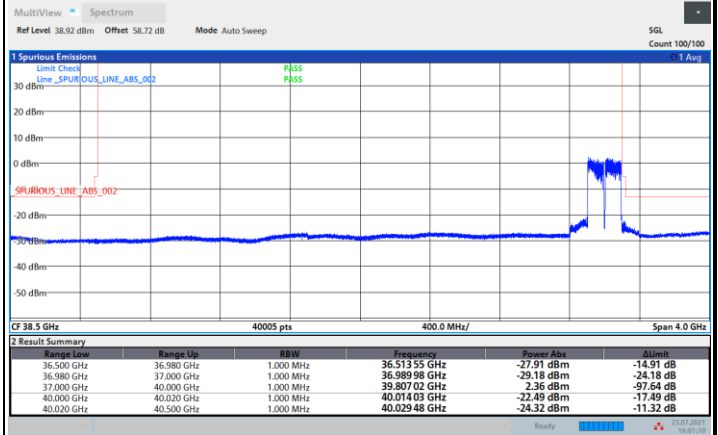
DFT-s-OFDM Module B

NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB

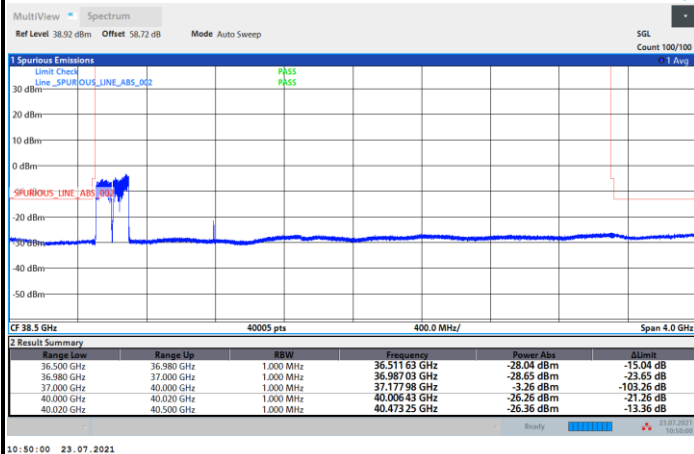


Highest Band Edge / Full RB

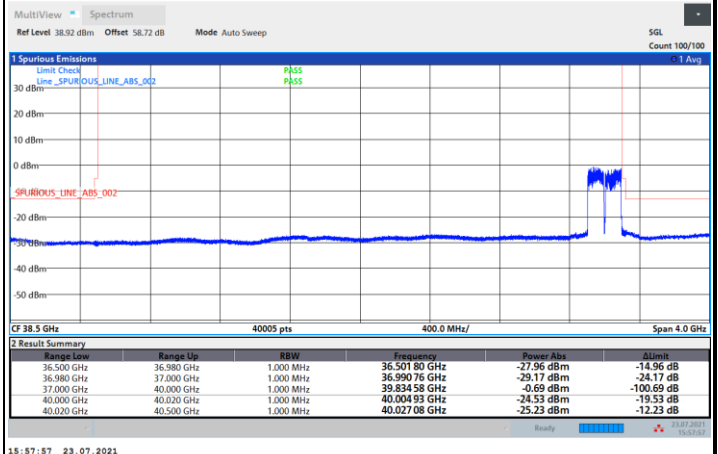


NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

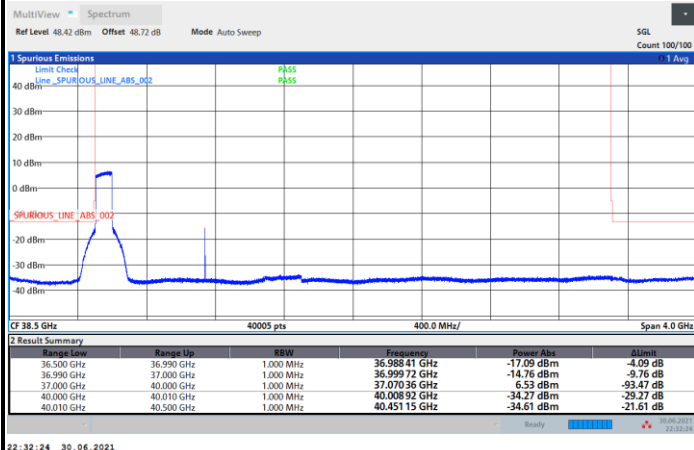




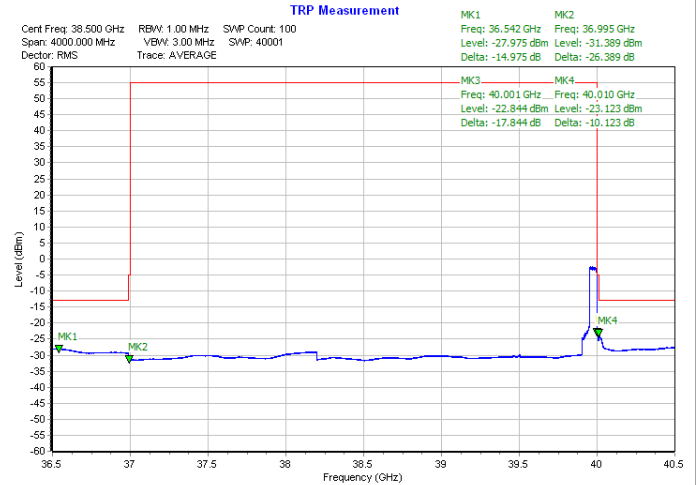
CP-OFDM Module B

NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB

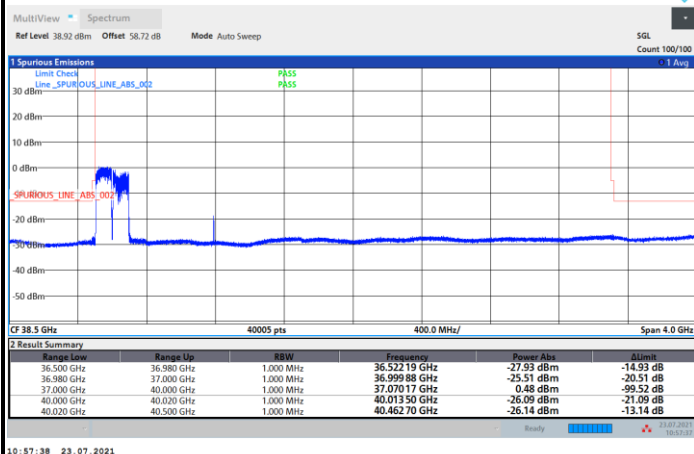


Highest Band Edge / Full RB

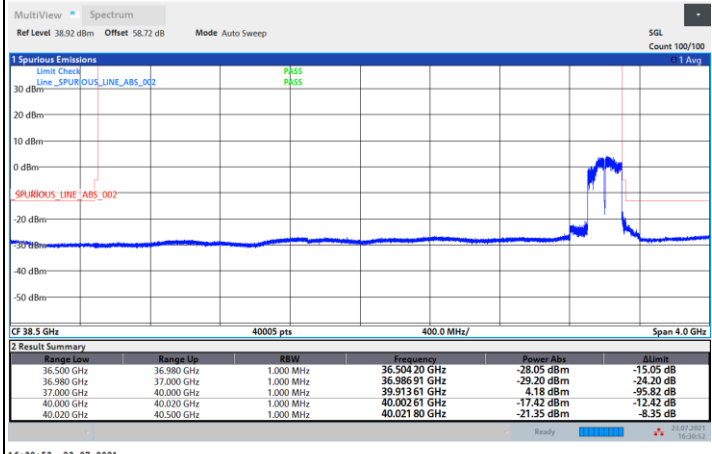


NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB





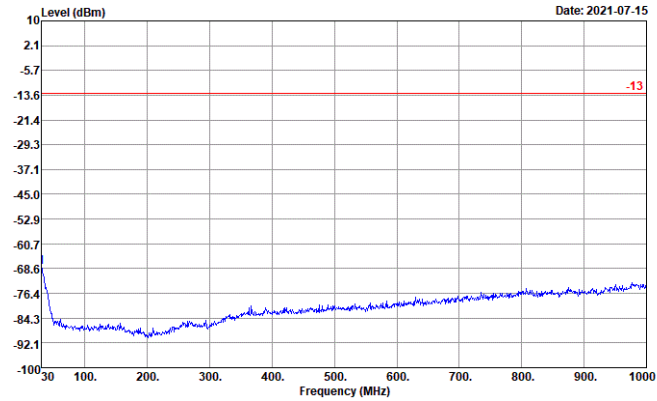
Spurious Emission

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)

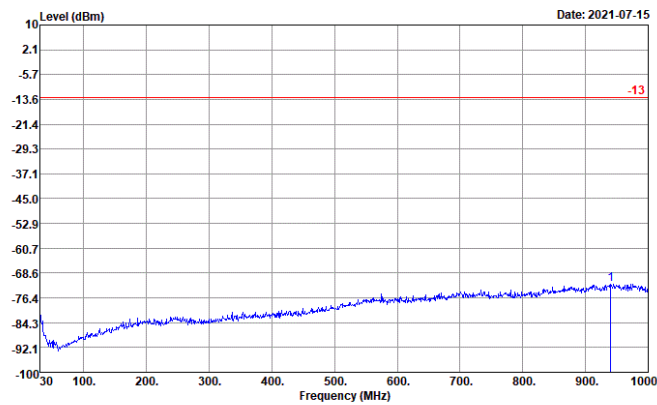
Horizontal



Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 HORIZONTAL
Project : 0D2942-04
: n260 MB

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	30.00	-68.20	-55.20	-13.00	-79.91

Vertical



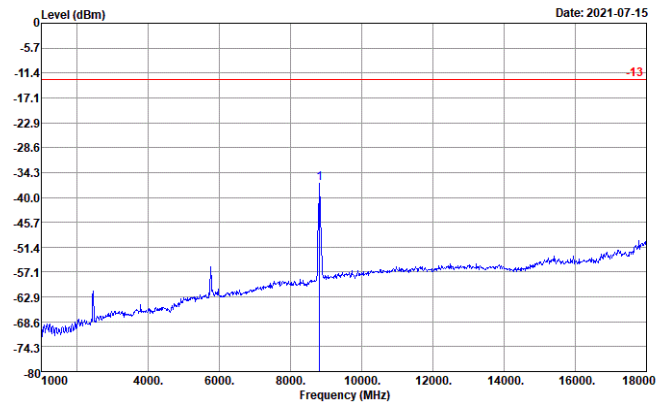
Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 VERTICAL
Project : 0D2942-04
: n260 MB

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	939.86	-71.98	-58.98	-13.00	-81.60



NR Band n260 (1GHz-18GHz)

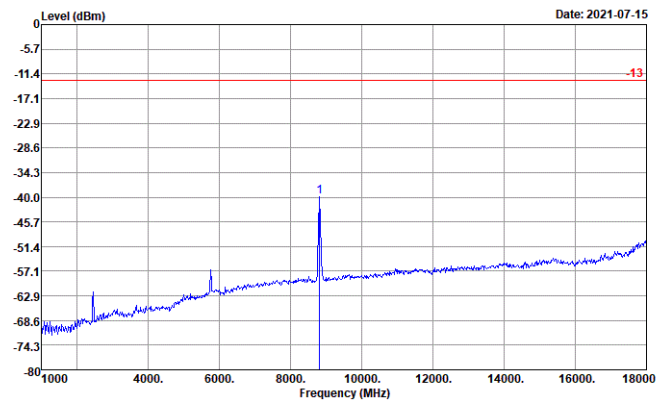
Horizontal



Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 HORIZONTAL
Project : 0D2942-04
: n260 MB

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	8820.00	-36.86	-23.86	-13.00	-62.33

Vertical



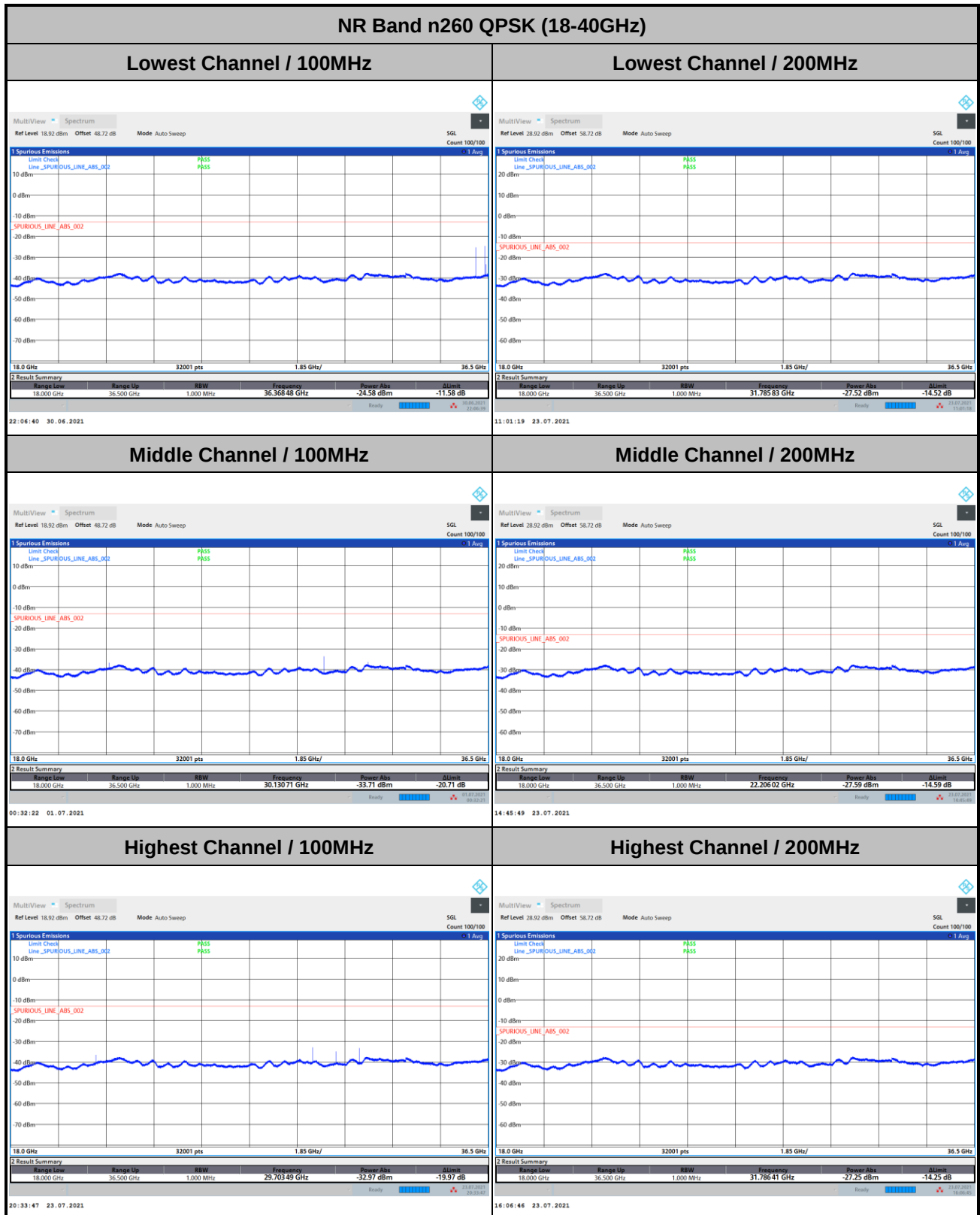
Site : 03CH19-HY
Condition : -13 ERP EIRP_20210305 VERTICAL
Project : 0D2942-04
: n260 MB

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	8820.00	-39.85	-26.85	-13.00	-64.86



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

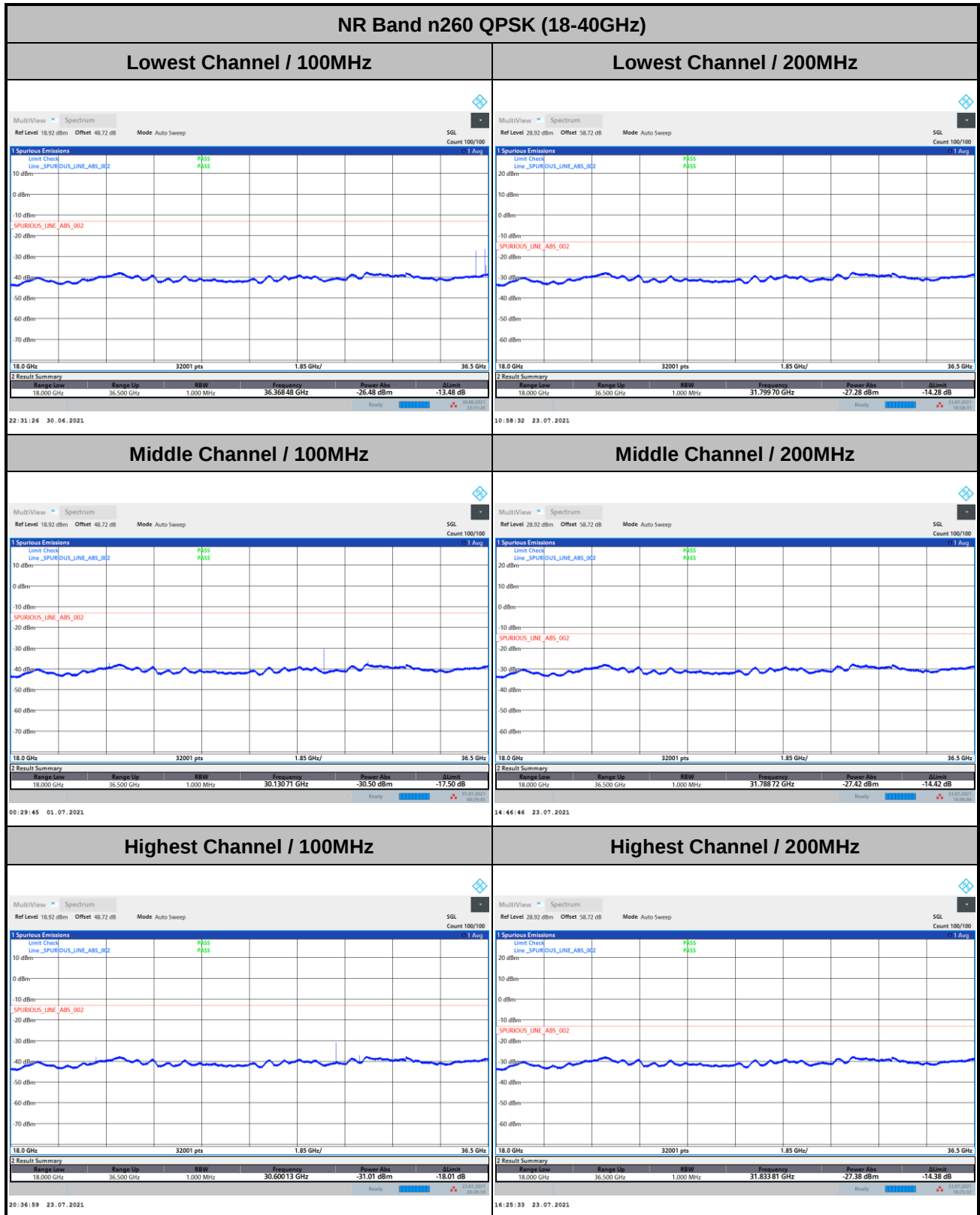
DFT-s-OFDM Module B



Remark: In band and out of band frequencies that has reported in previous results are omitted.

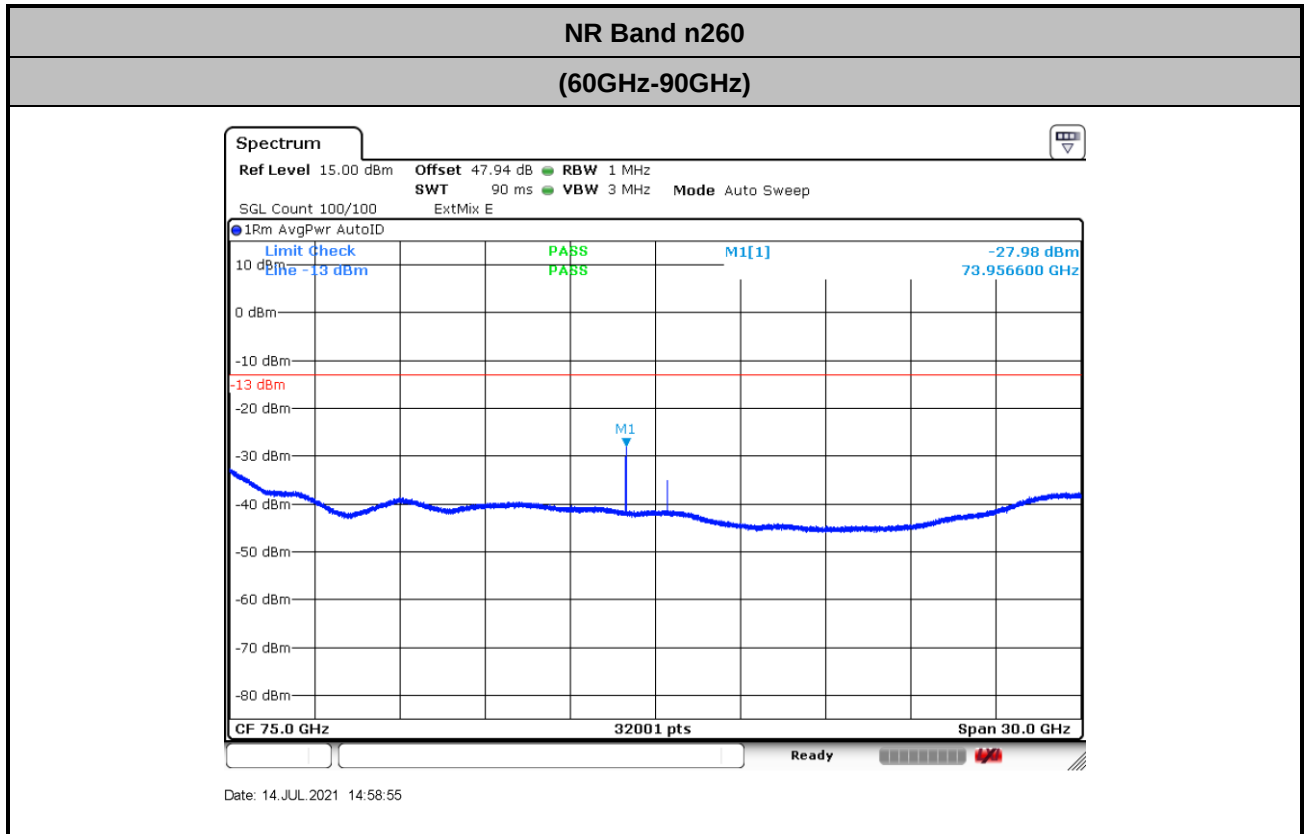


CP-OFDM Module B

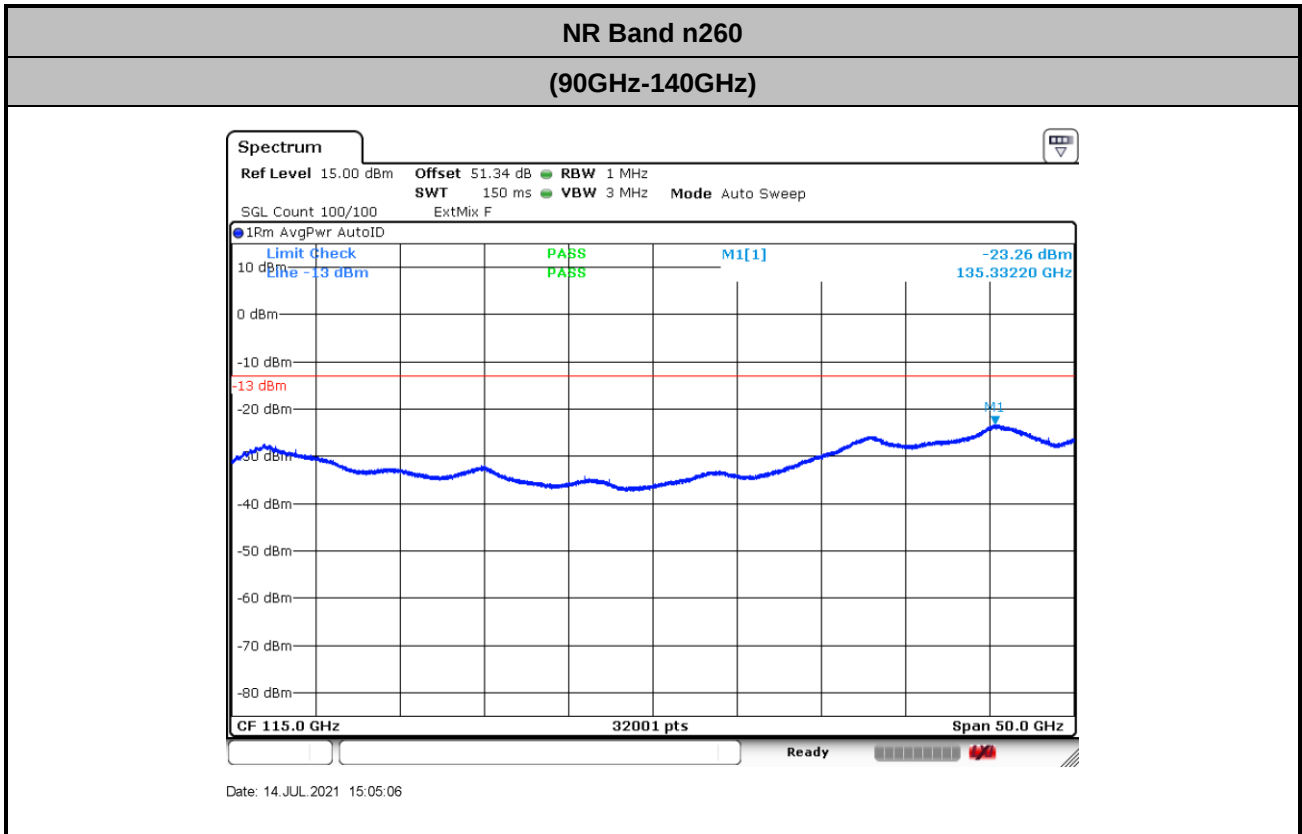


Remark: In band and out of band frequencies that has reported in previous results are omitted.

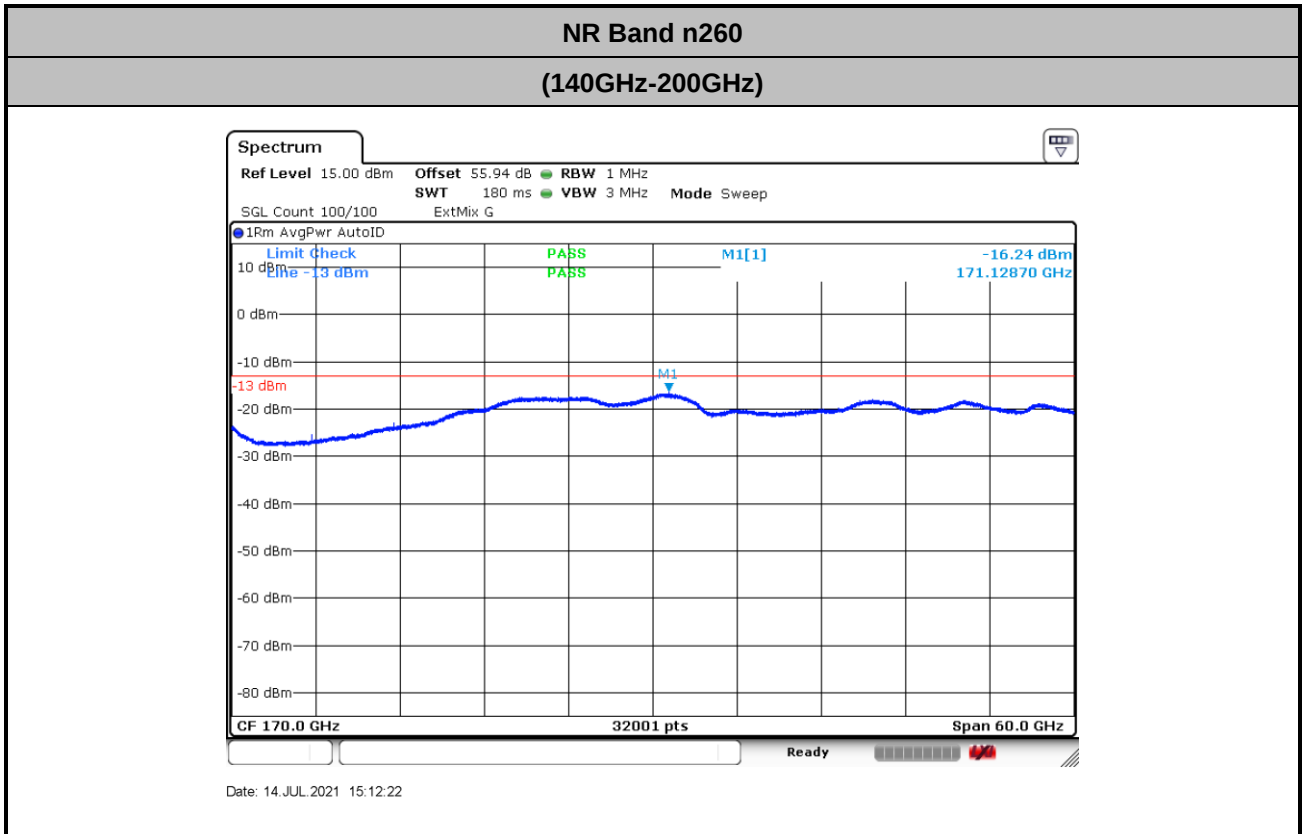




$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 45.4 + 0.34 + 107 + 20\log(1) - 104.8 = 47.94 \text{ (dB)} \end{aligned}$$



$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 48.8 + 0.34 + 107 + 20\log(1) - 104.8 = 51.34 \text{ (dB)}\end{aligned}$$



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8
= 53.4 + 0.34 + 107 + 20log(1) – 104.8 = 55.94 (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	38.5010589	0.000	0.000	Pass
40	Normal Voltage	38.5010589	0.000	0.000	
30	Normal Voltage	38.5010589	0.000	0.000	
20(Ref.)	Normal Voltage	38.5010589	0.000	0.000	
10	Normal Voltage	38.5010639	-5.000	0.130	
0	Normal Voltage	38.5010639	-5.000	0.130	
-10	Normal Voltage	38.5010589	0.000	0.000	
-20	Normal Voltage	38.5010639	-5.000	0.130	
-30	Normal Voltage	38.5010639	-5.000	0.130	
20	Maximum Voltage	38.5010589	0.000	0.000	
20	Normal Voltage	38.5010589	0.000	0.000	
20	Battery End Point	38.5010589	0.000	0.000	

Note: The frequency fundamental emissions stay within the operation band.

NR Band n261 Module A Beam H

Occupied Bandwidth

Mode	DFT-s-OFDM Module A NR Band n261 : 99%OBW(MHz)					
BW	100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	91.59	91.60	91.57	189.70	189.87	189.73
Middle CH	91.60	91.79	91.84	189.81	189.72	189.83
Highest CH	91.72	91.31	91.62	189.77	189.72	189.87

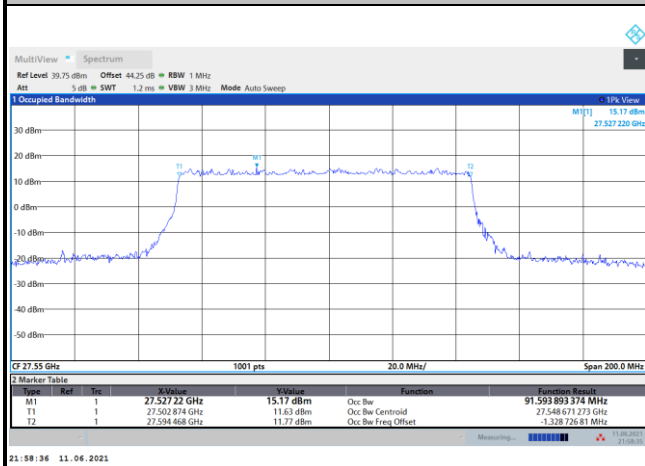
Mode	CP-OFDM Module A NR Band n261 : 99%OBW(MHz)	
BW	100MHz	200MHz
Mod.	QPSK	QPSK
Lowest CH	94.50	193.56
Middle CH	94.72	193.26
Highest CH	94.57	193.32



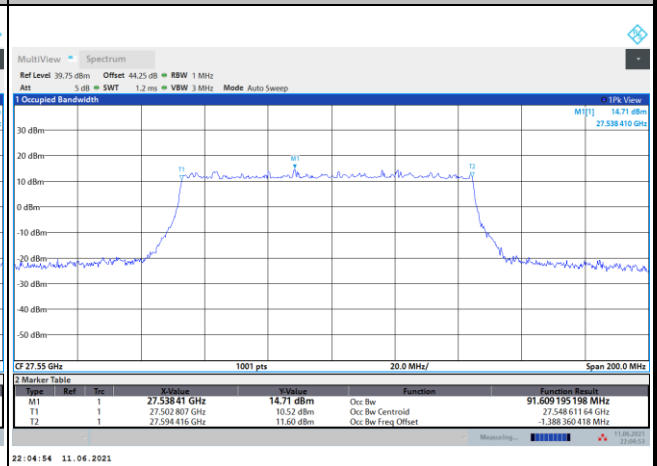
DFT-s-OFDM Module A

NR Band n261

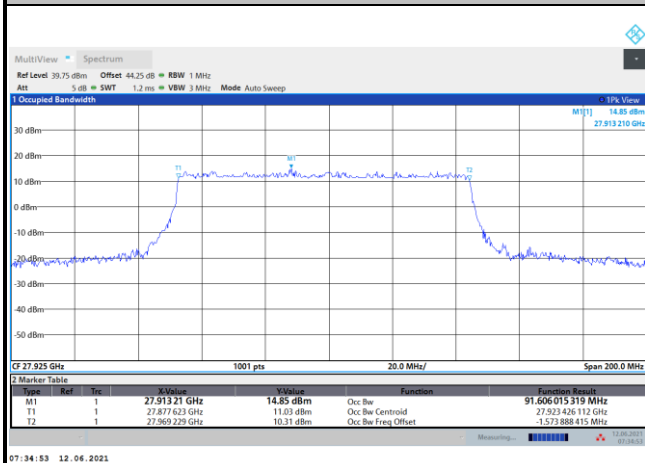
Lowest Channel / 100MHz / QPSK



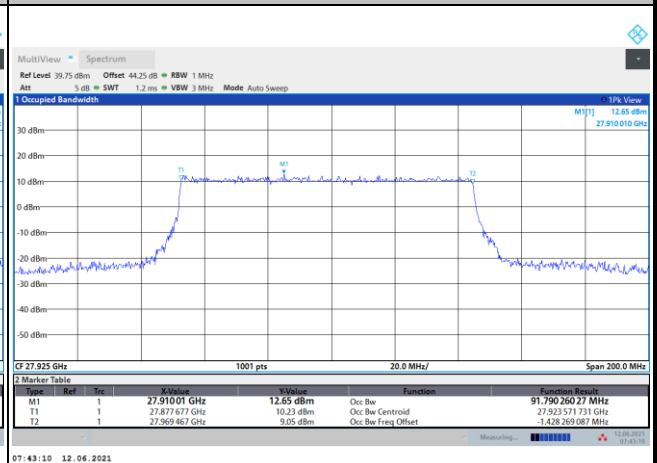
Lowest Channel / 100MHz / 16QAM



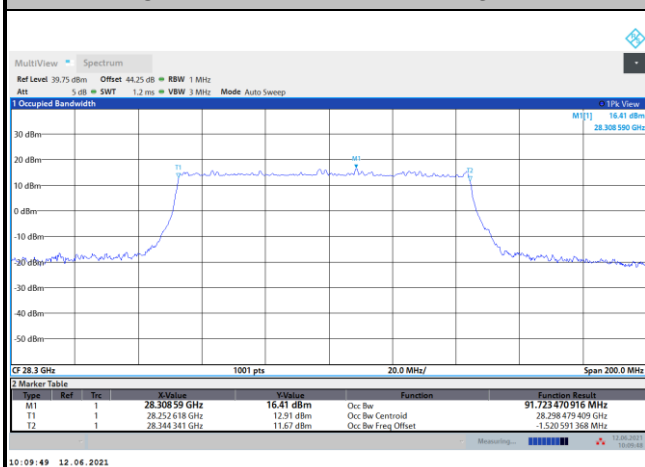
Middle Channel / 100MHz / QPSK



Middle Channel / 100MHz / 16QAM



Highest Channel / 100MHz / QPSK



Highest Channel / 100MHz / 16QAM

