

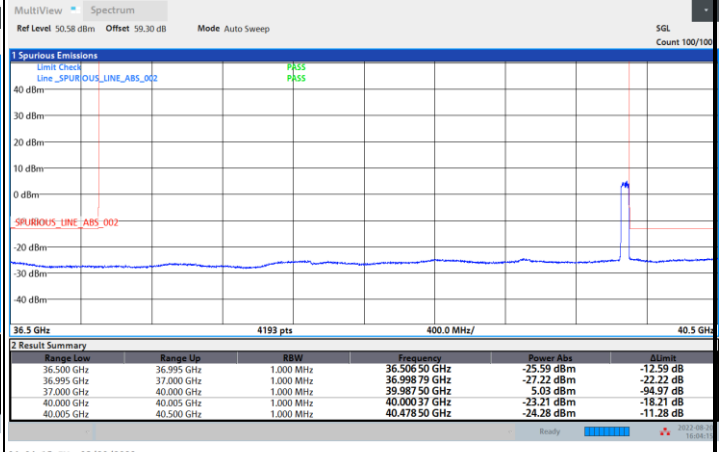
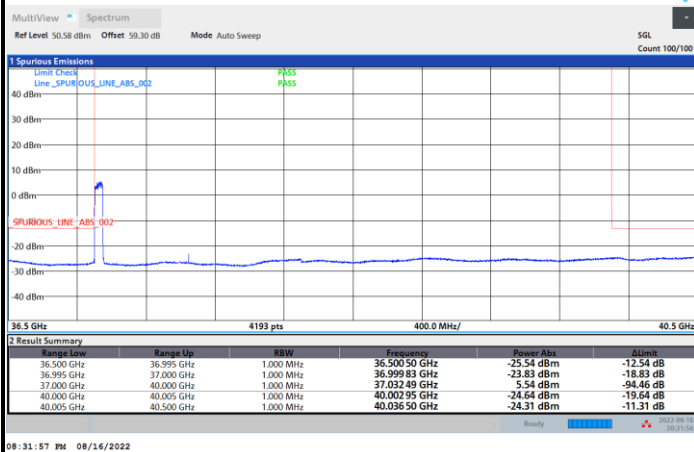


DFT-s-OFDM Module A

NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB

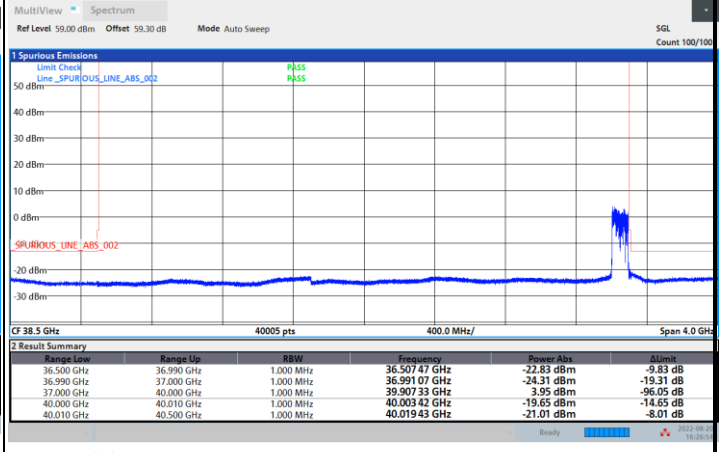
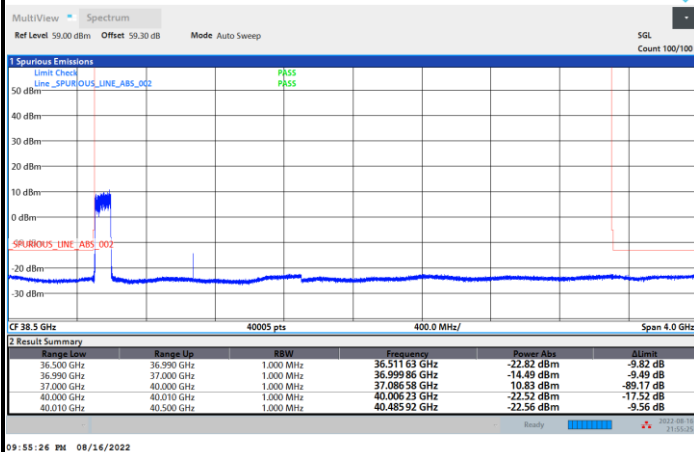
Highest Band Edge / Full RB



NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

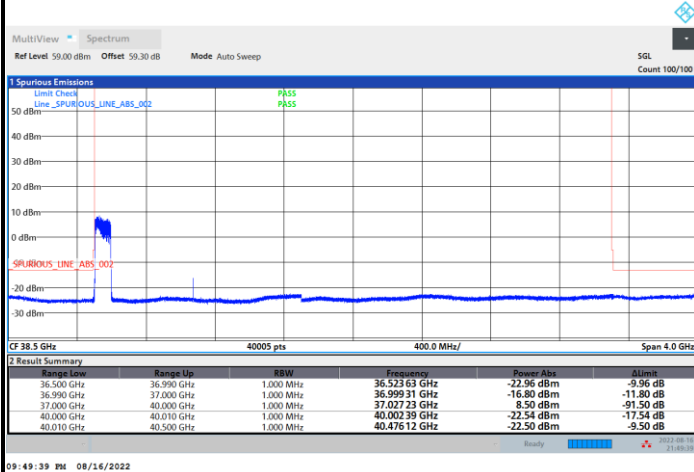




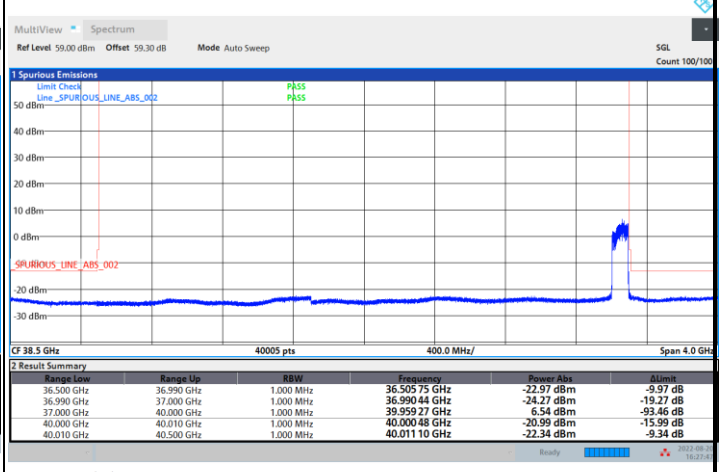
DFT-s-OFDM Module A

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB

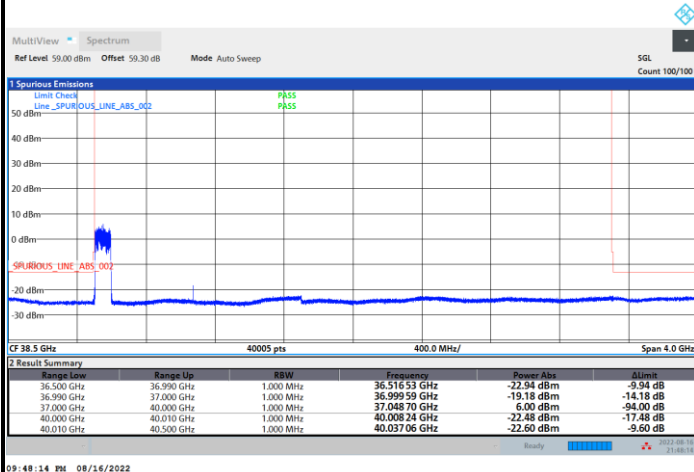


Highest Band Edge / Full RB

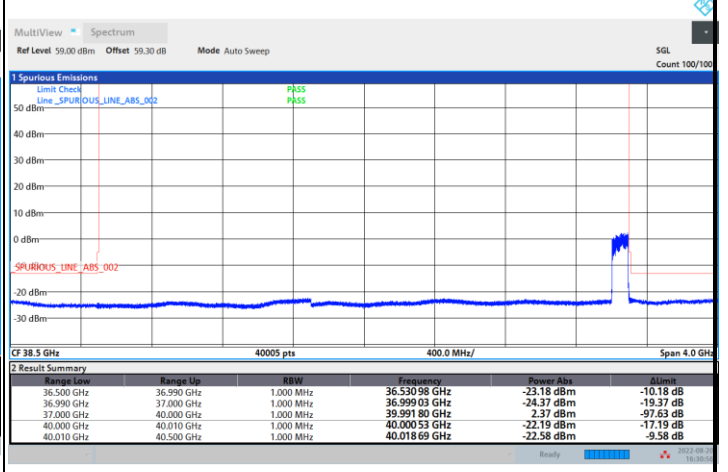


NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

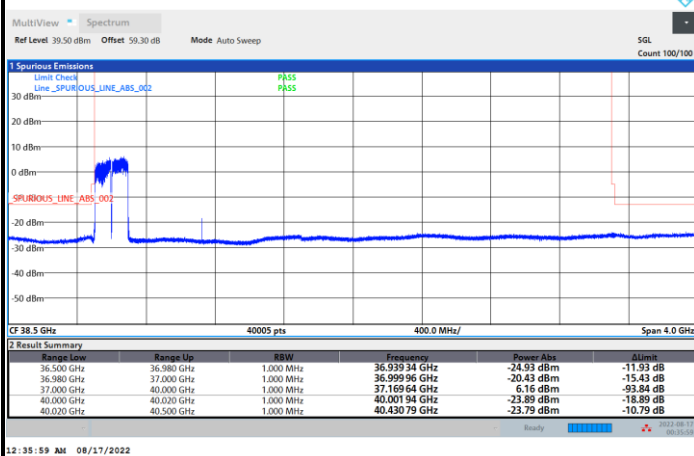




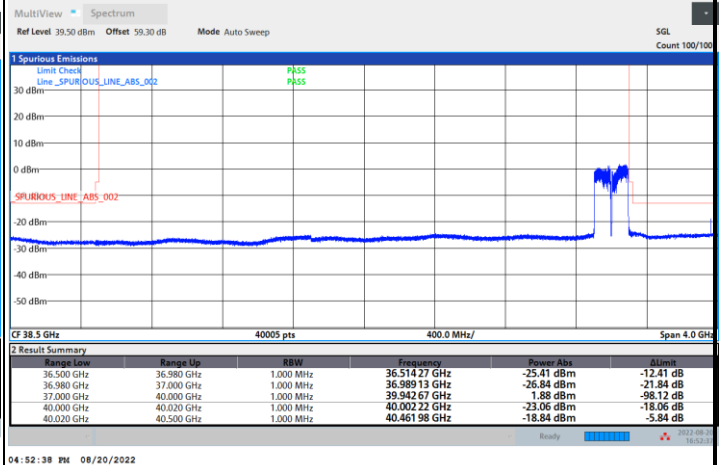
DFT-s-OFDM Module A

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB

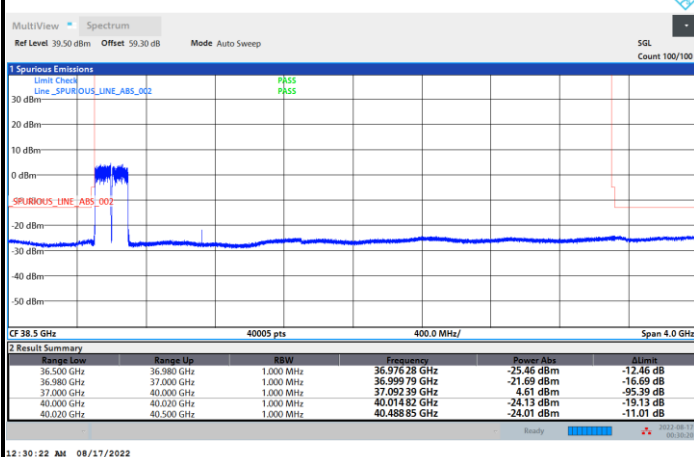


Highest Band Edge / Full RB

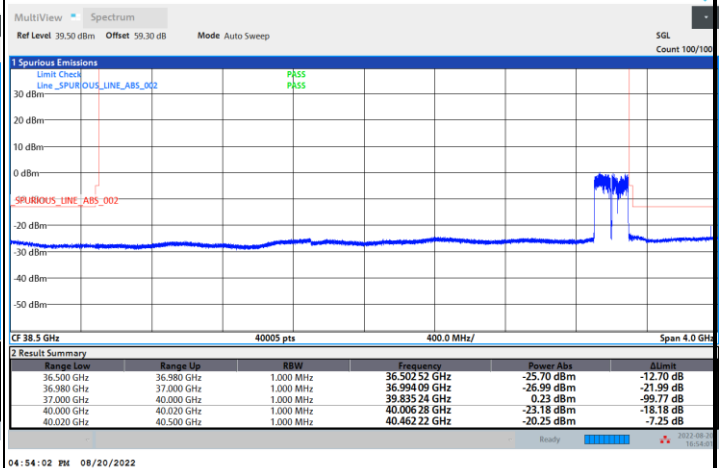


NR Band n260 / 200MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB



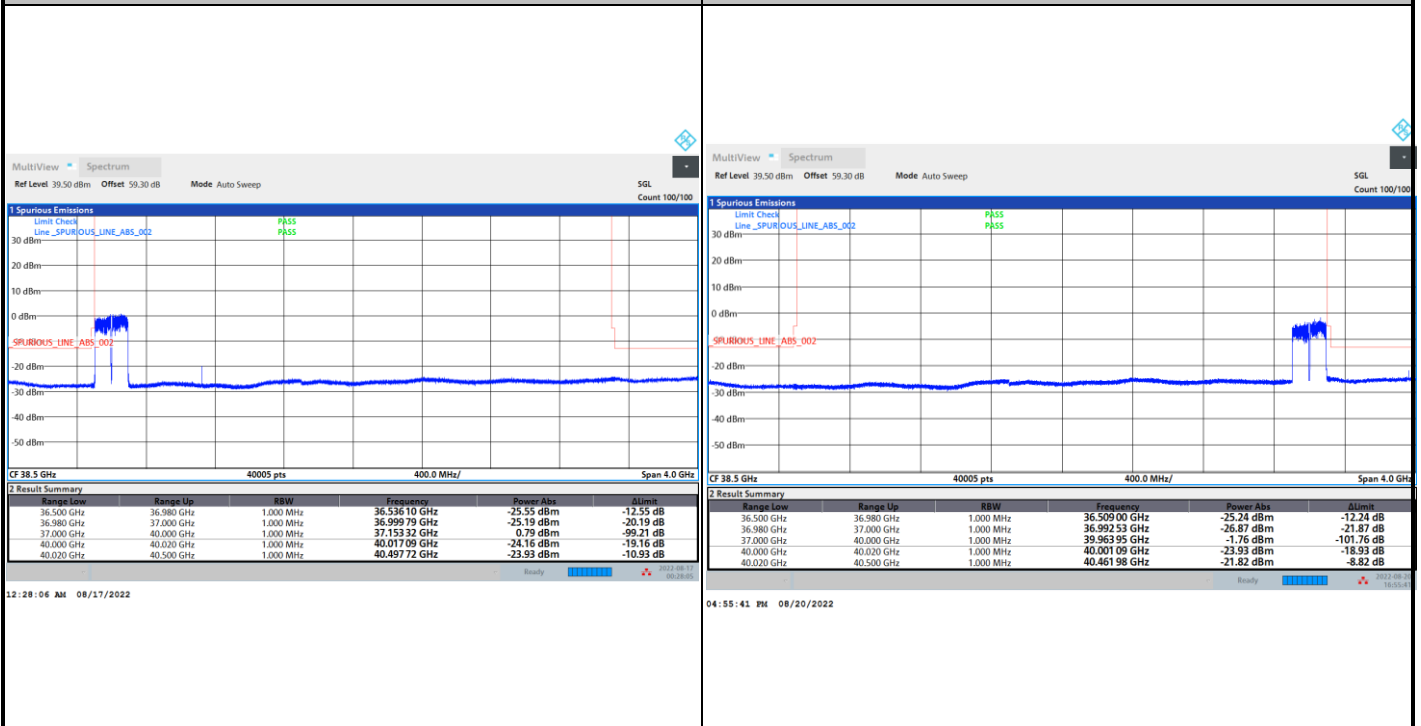


DFT-s-OFDM Module A

NR Band n260 / 200MHz / 64QAM

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



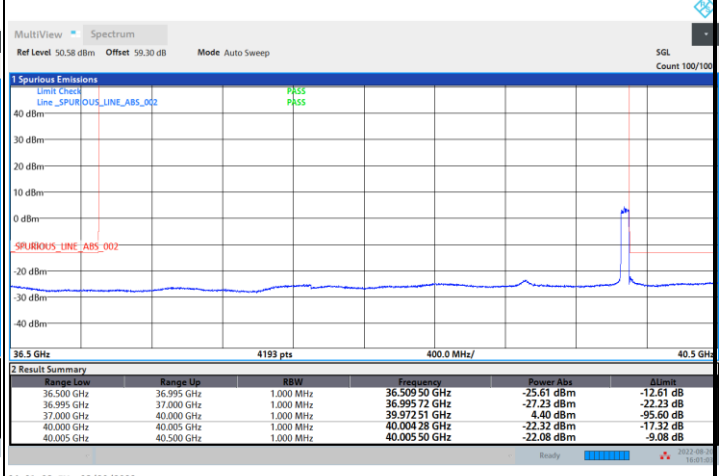
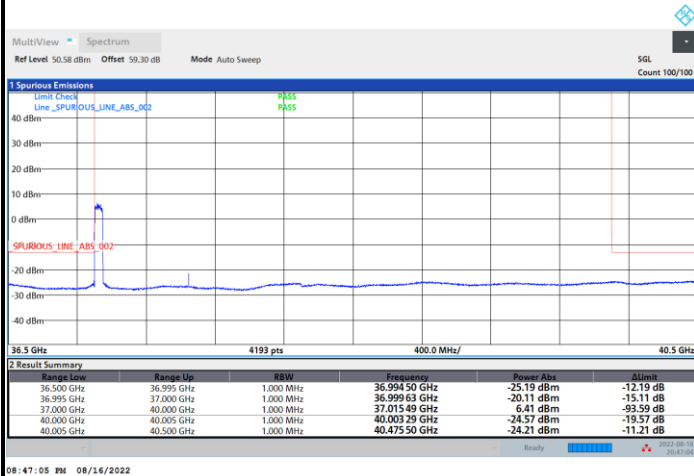


CP-OFDM Module A

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / Full RB

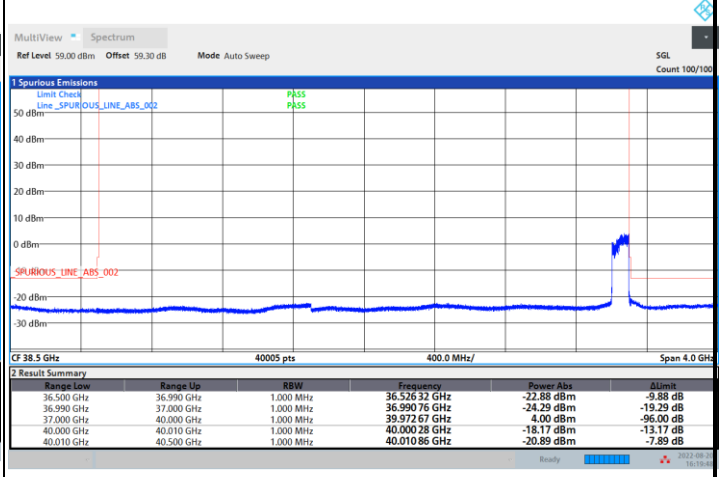
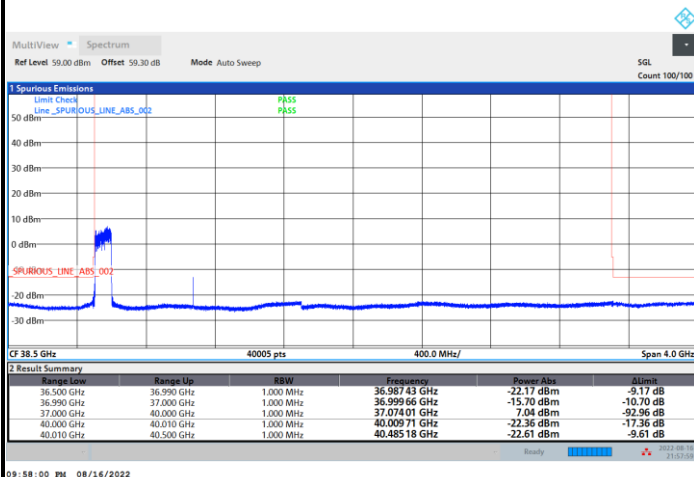
Highest Band Edge / Full RB



NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB



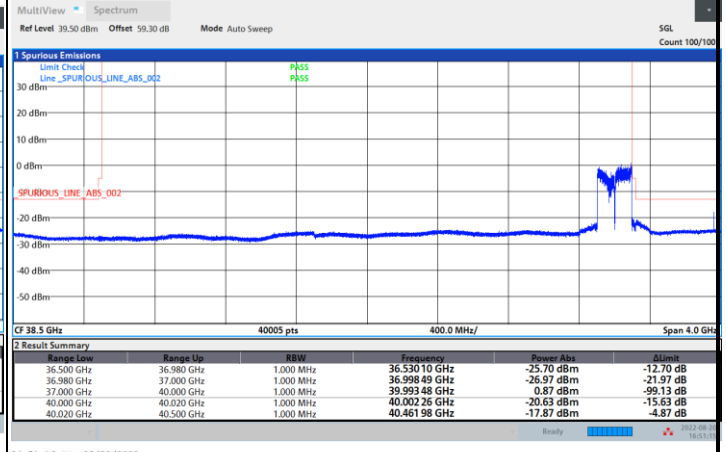
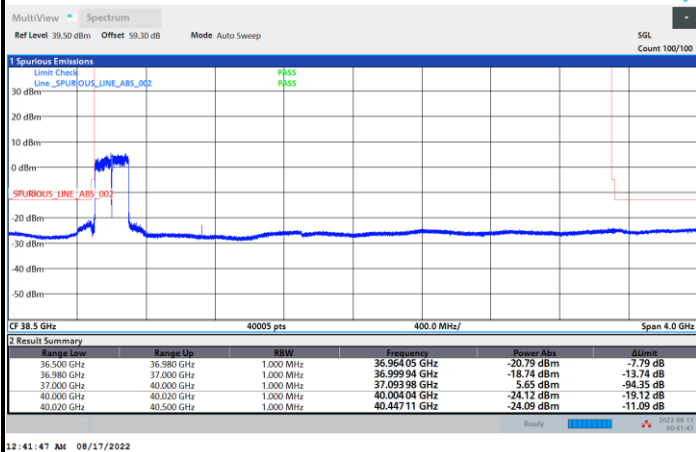


CP-OFDM Module A

NR Band n260 / 200MHz / QPSK

Lowest Band Edge / Full RB

Highest Band Edge / Full RB

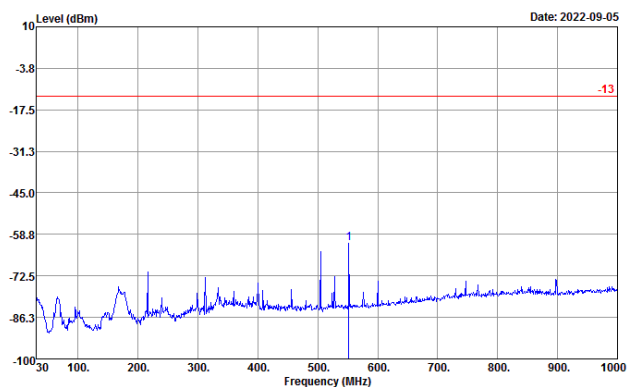




Spurious Emission

NR Band n260 (30MHz-1GHz)

Horizontal

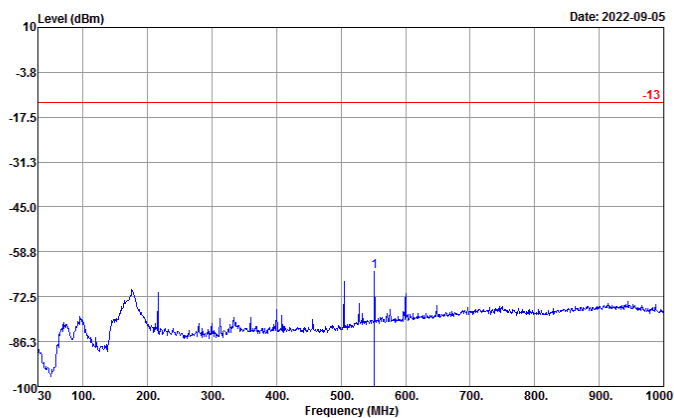


Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL

: n260 MA

Freq	Level	Over	Limit	Read	A/Pos	T/Pos	Remark
MHz	dBm	Limit	Line	Level	Factor	cm	deg
1	551.86	-61.77	-48.77	-13.00	-63.36	1.59	--- Peak

Vertical



Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL

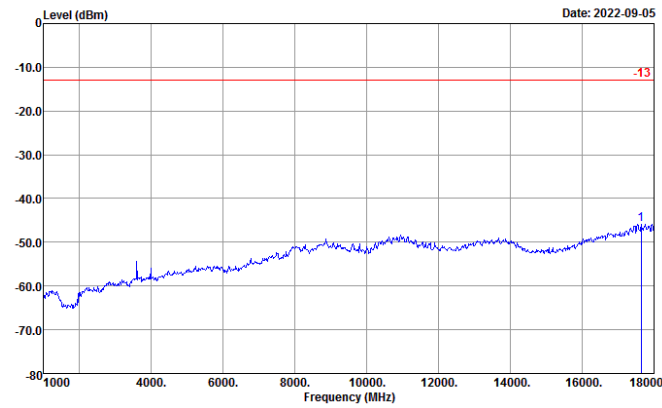
: n260 MA

Freq	Level	Over	Limit	Read	A/Pos	T/Pos	Remark
MHz	dBm	Limit	Line	Level	Factor	cm	deg
1	551.86	-64.91	-51.91	-13.00	-69.22	4.31	--- Peak



NR Band n260 (1GHz-18GHz)

Horizontal

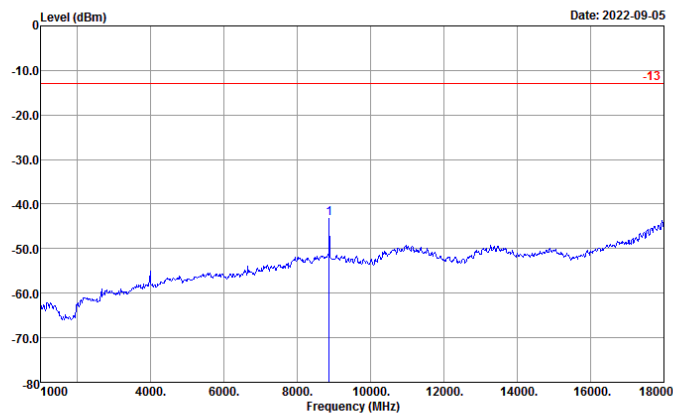


Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL

: n260 MA

Freq	Level	Over	Limit	Read	A/Pos	T/Pos	Remark
MHz	dBm	Limit	Line	Level	Factor		
		dB	dBm	dBm	dB	cm	deg
1	17643.00	-45.83	-32.83	-13.00	-59.94	14.11	---
							Peak

Vertical



Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL

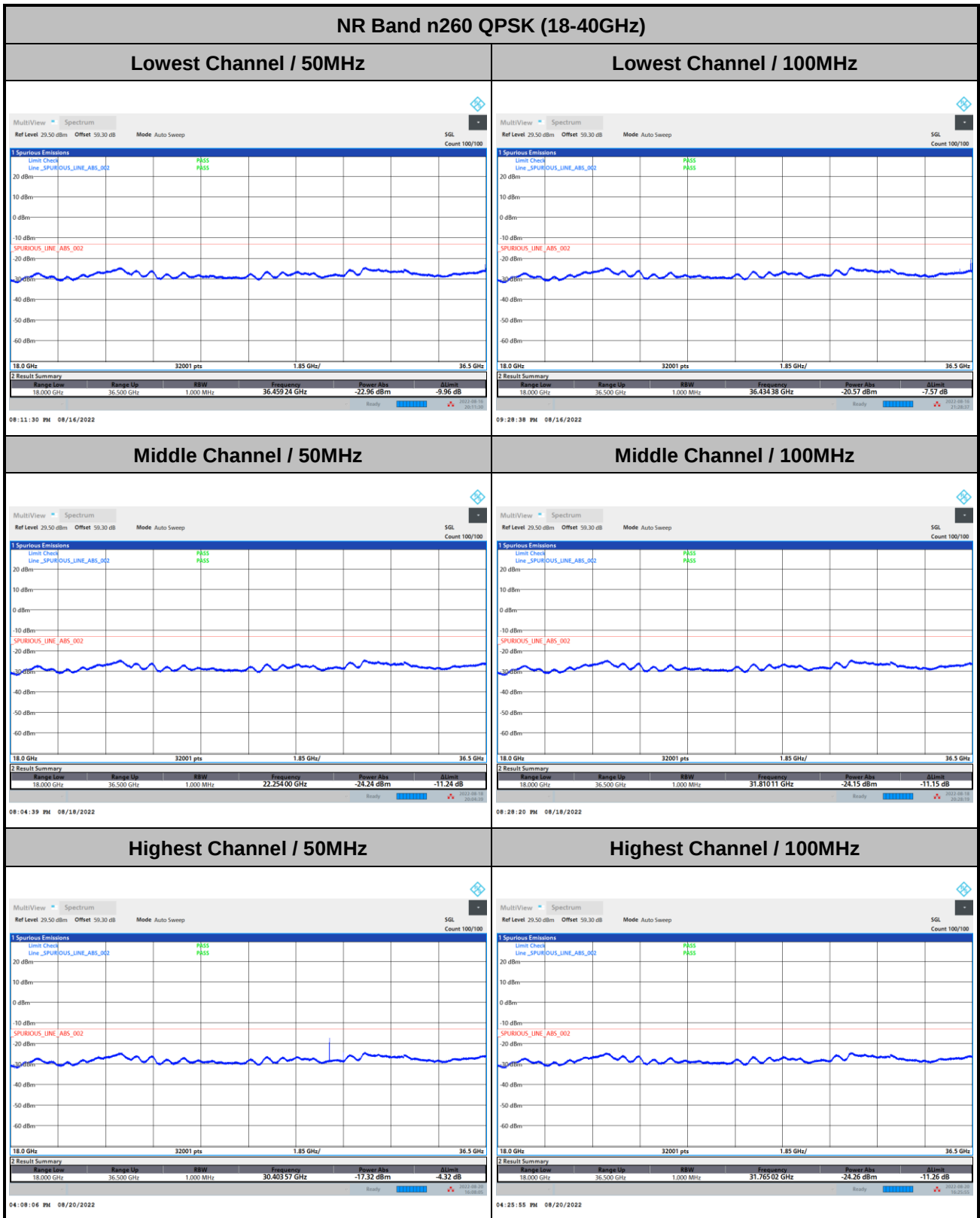
: n260 MA

Freq	Level	Over	Limit	Read	A/Pos	T/Pos	Remark
MHz	dBm	Limit	Line	Level	Factor		
		dB	dBm	dBm	dB	cm	deg
1	8871.00	-43.22	-30.22	-13.00	-43.51	0.29	---
							Peak



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

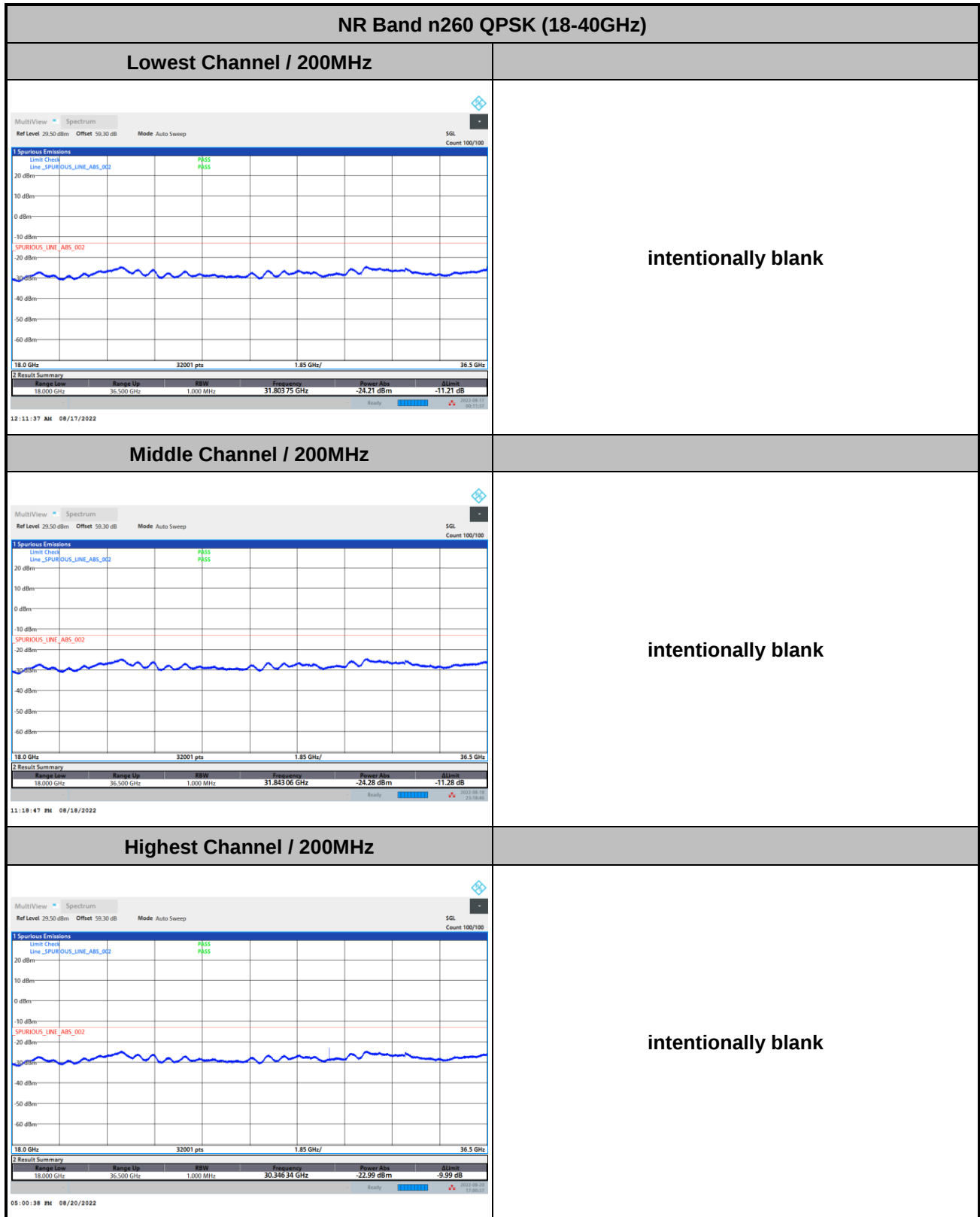
DFT-s-OFDM Module A



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



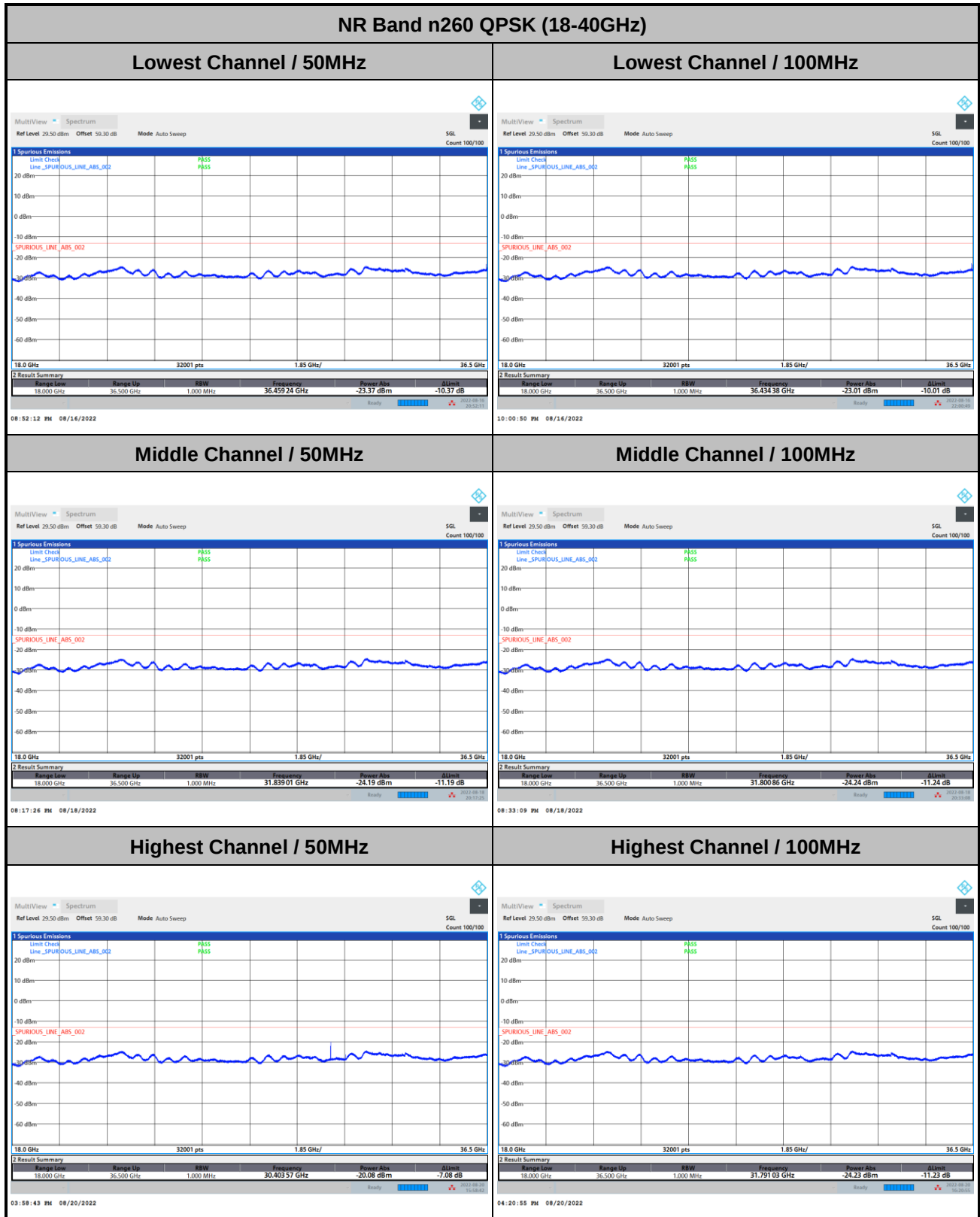
DFT-s-OFDM Module A



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



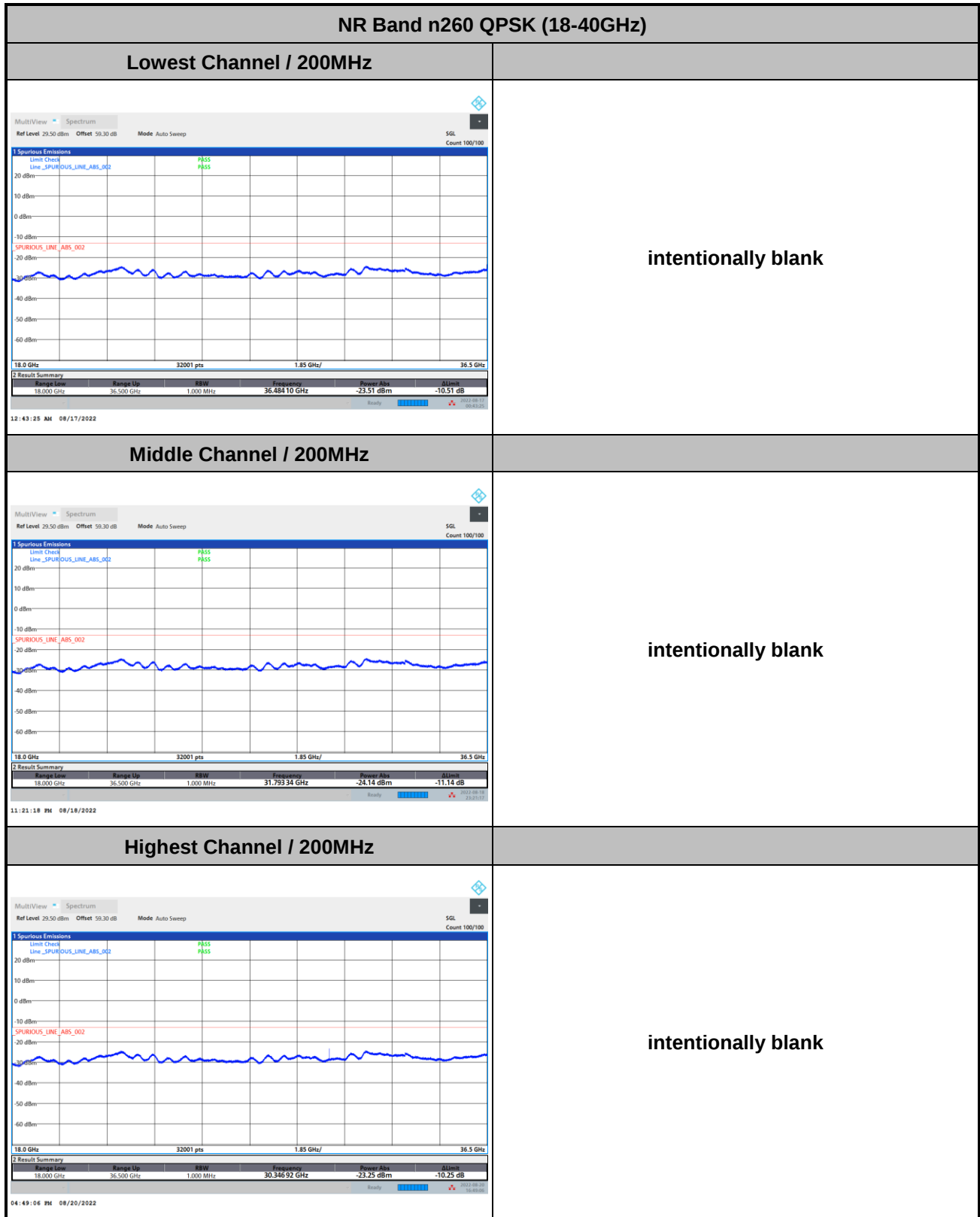
CP-OFDM Module A



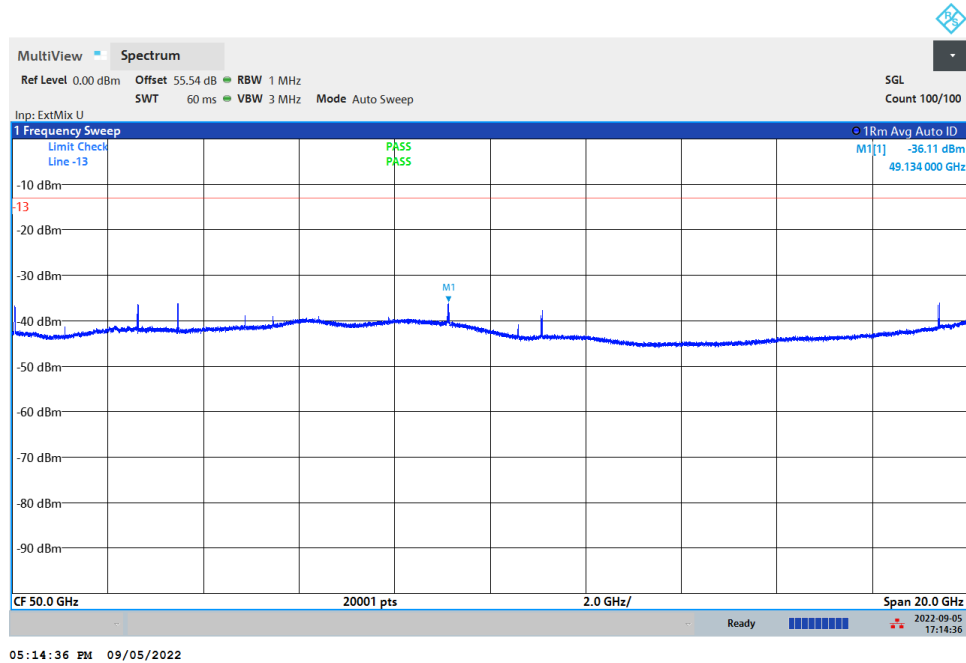
Remark: In band and out of band frequencies are omitted.



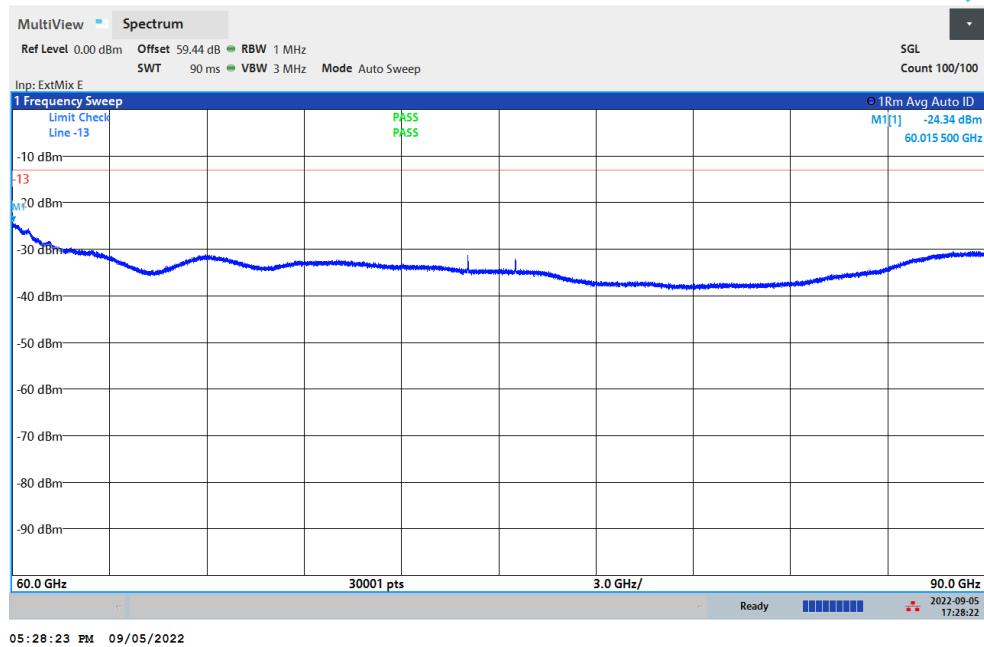
CP-OFDM Module A



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

NR Band n260
(40GHz-60GHz)


Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8 + Duty Factor
 = 43 + 0.43 + 107 + 20log(1) – 104.8 + 9.91= 55.54(dB)

NR Band n260
(60GHz-90GHz)


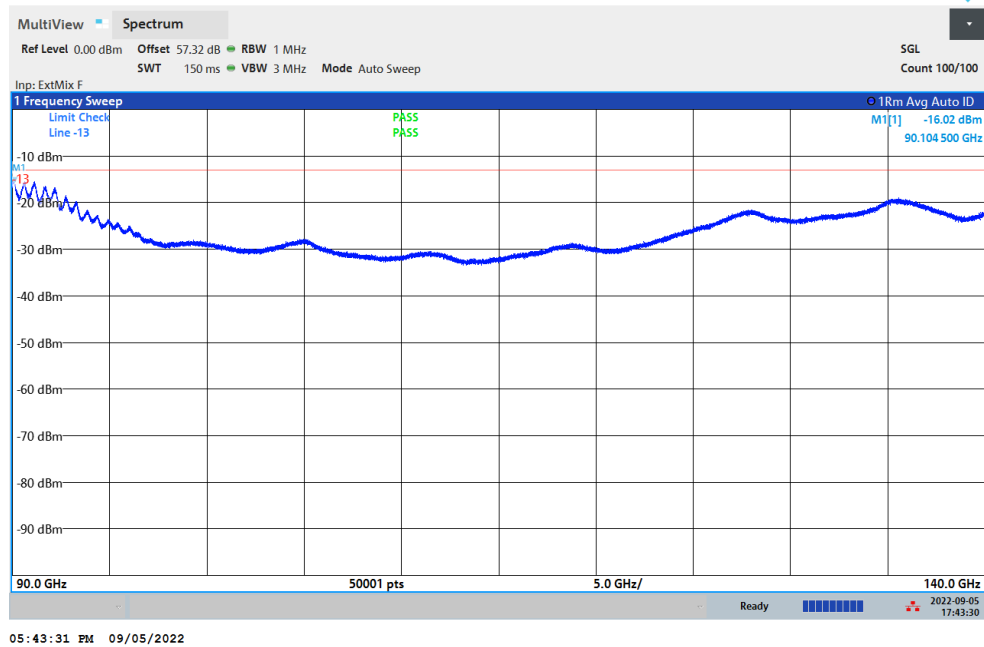
Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8 + Duty Factor

= 46.9 + 0.43 + 107 + 20log(1) – 104.8 + 9.91 = 59.44 (dB)

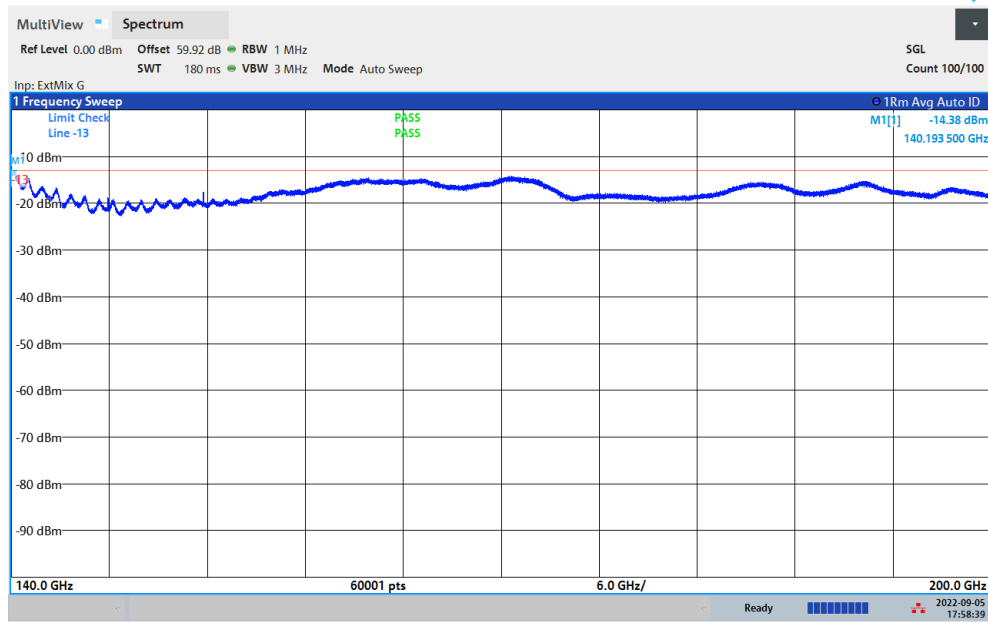


NR Band n260

(90GHz-140GHz)



Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8 + Duty Factor
= 50.80 + 0.43 + 107 + 20log(0.5) – 104.8 + 9.91 = 57.32 (dB)

NR Band n260
(140GHz-200GHz)


Offset = Antenna Factor (dB/m) + Cable Loss (dB) + 107 + 20log (D) – 104.8 + Duty Factor
 = 53.4 + 0.43 + 107 + 20log(0.5) – 104.8 + 9.91= 59.92(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	38.501051	-2.500	0.065	Pass
40	Normal Voltage	38.5010505	-2.000	0.052	
30	Normal Voltage	38.5010505	-2.000	0.052	
20(Ref.)	Normal Voltage	38.5010485	0.000	0.000	
10	Normal Voltage	38.501051	-2.500	0.065	
0	Normal Voltage	38.501051	-2.500	0.065	
-10	Normal Voltage	38.501051	-2.500	0.065	
-20	Normal Voltage	38.501051	-2.500	0.065	
-30	Normal Voltage	38.5010505	-2.000	0.052	
20	Maximum Voltage	38.5010505	-2.000	0.052	
20	Normal Voltage	38.501047	1.500	0.039	
20	Battery End Point	38.50105	-1.500	0.039	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.60 V. ; Maximum Voltage =4.45 V.
2. The frequency fundamental emissions stay within the operation band.



NR Band n260 Module B AGH+V

Occupied Bandwidth

Mode	DFT-s-OFDM Module B NR Band n260 : 99%OBW(MHz)								
BW	50MHz			100MHz			200MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.93	45.83	45.85	91.21	91.18	91.22	189.83	189.87	189.88
Middle CH	45.93	46.05	46.11	91.69	91.33	91.23	190.01	189.87	189.50
Highest CH	46.00	45.90	46.01	91.28	91.28	91.32	189.46	189.59	189.83

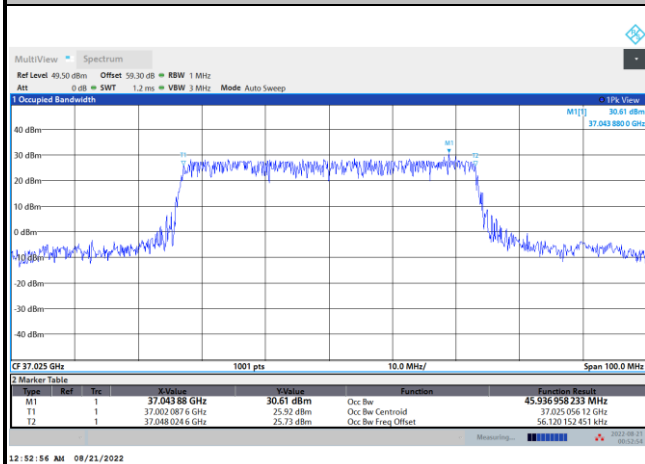
Mode	CP-OFDM Module B NR Band n260 : 99%OBW(MHz)		
BW	50MHz	100MHz	200MHz
Mod.	QPSK	QPSK	QPSK
Lowest CH	45.95	94.18	193.60
Middle CH	46.10	94.28	194.47
Highest CH	46.16	94.34	193.14



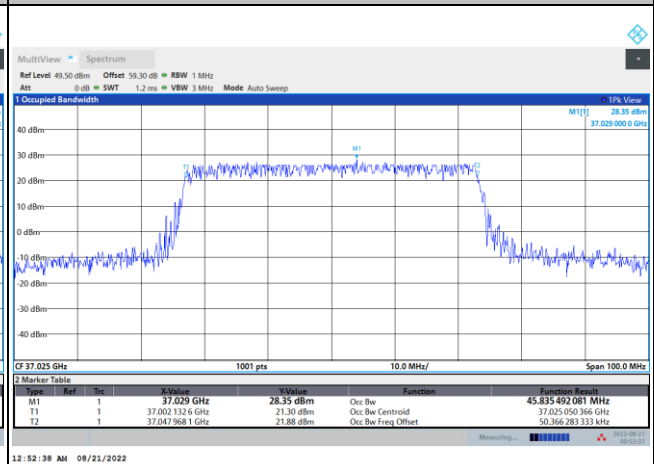
DFT-s-OFDM Module B

NR Band n260

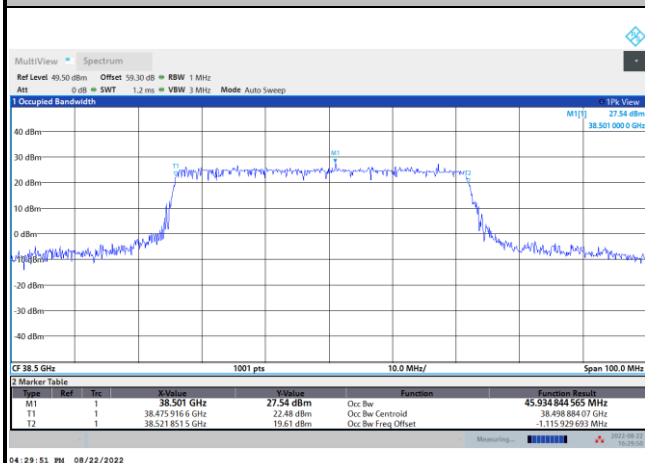
Lowest Channel / 50MHz / QPSK



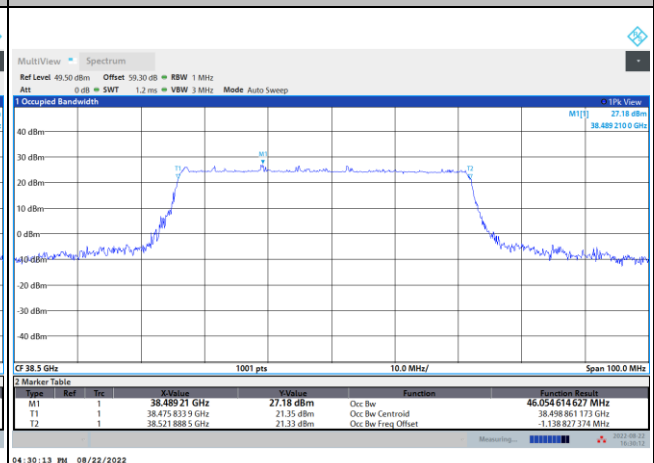
Lowest Channel / 50MHz / 16QAM



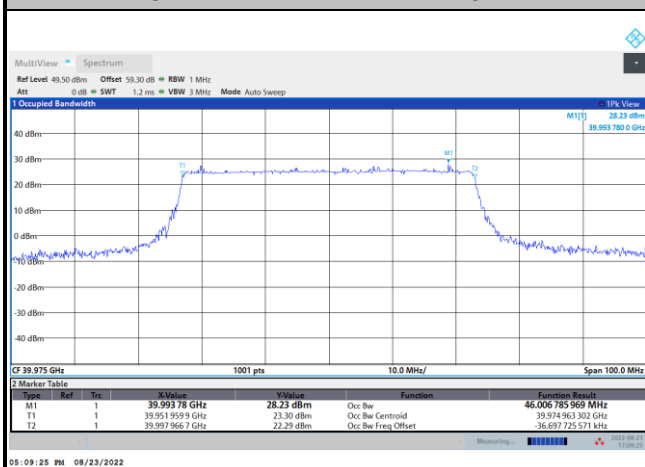
Middle Channel / 50MHz / QPSK



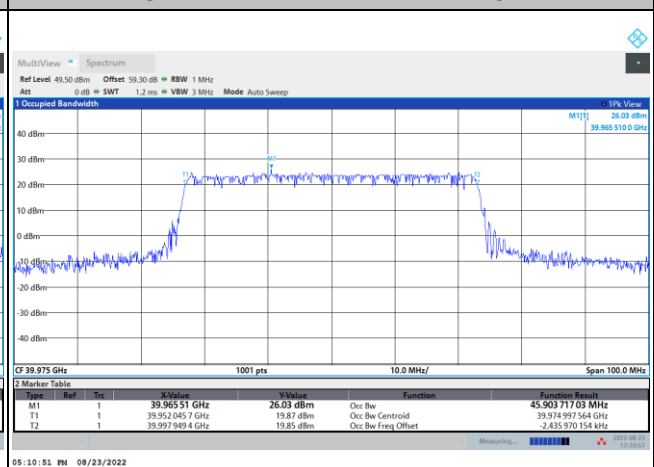
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

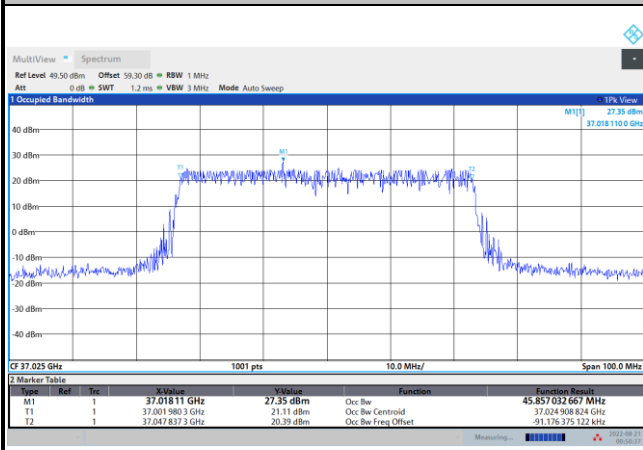




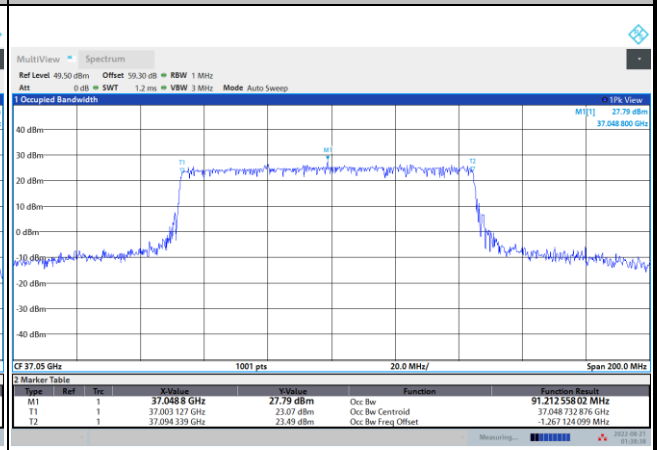
DFT-s-OFDM Module B

NR Band n260

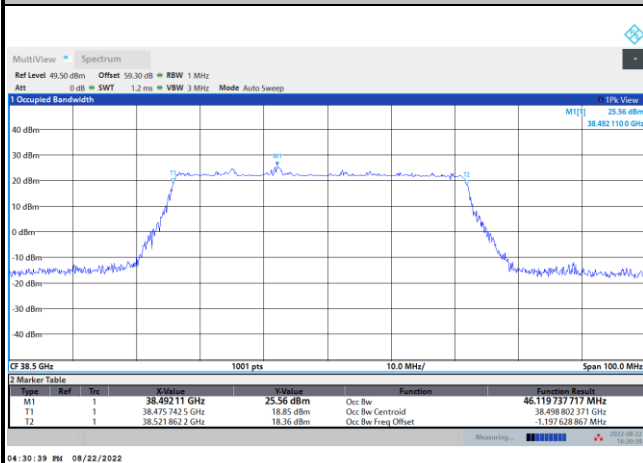
Lowest Channel / 50MHz / 64QAM



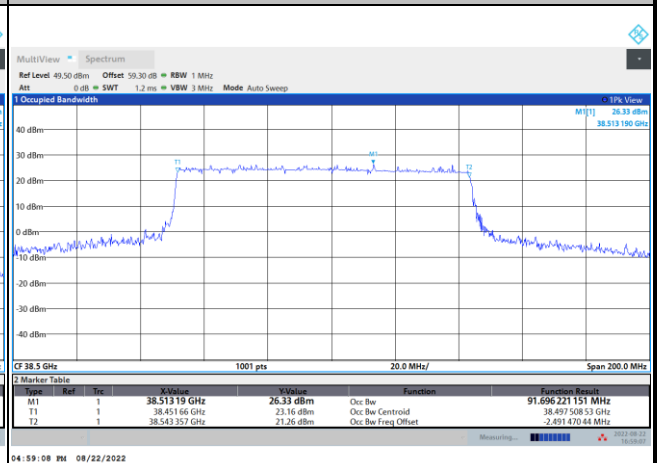
Lowest Channel / 100MHz / QPSK



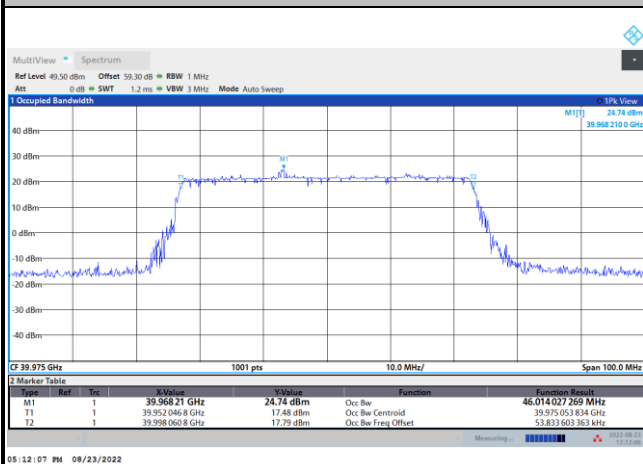
Middle Channel / 50MHz / 64QAM



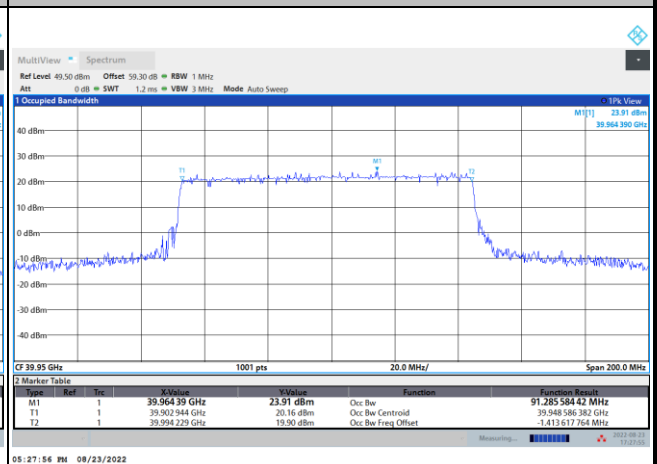
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / 64QAM



Highest Channel / 100MHz / QPSK

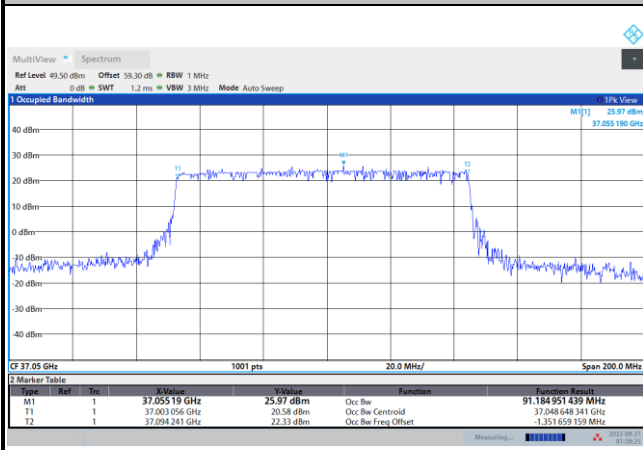




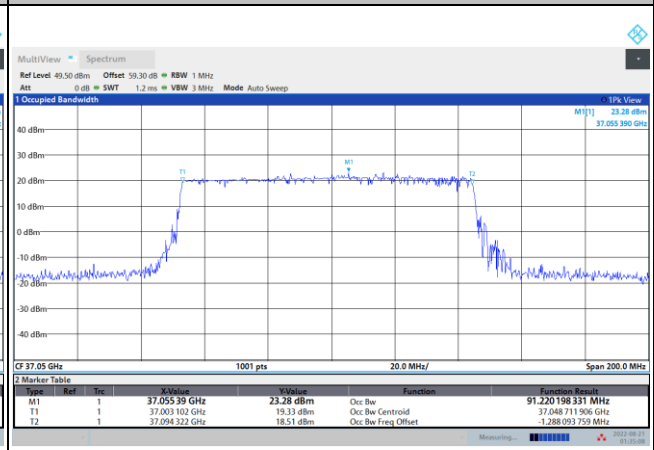
DFT-s-OFDM Module B

NR Band n260

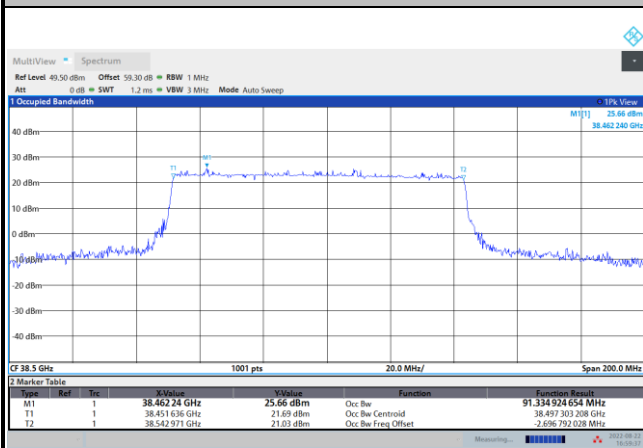
Lowest Channel / 100MHz / 16QAM



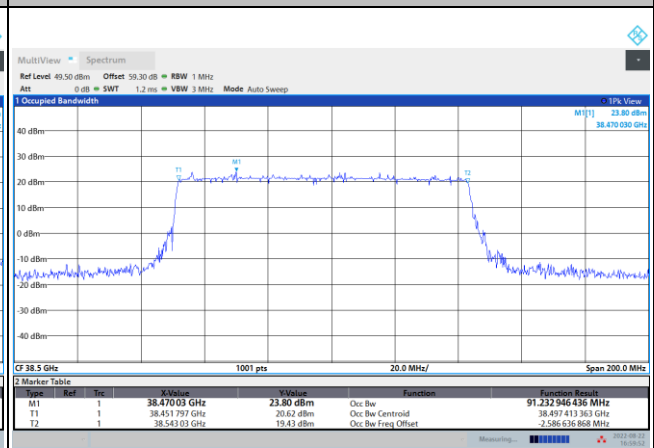
Lowest Channel / 100MHz / 64QAM



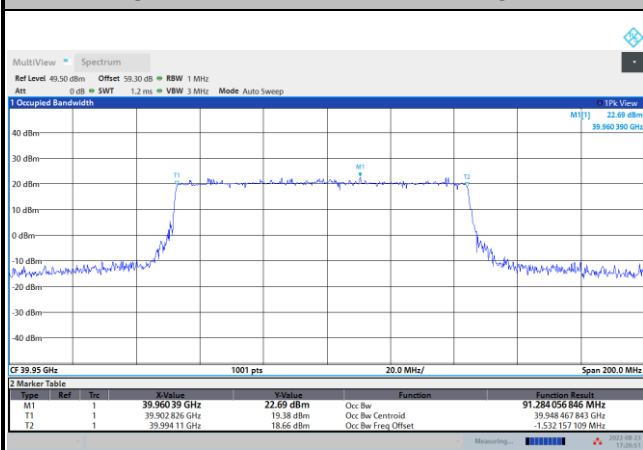
Middle Channel / 100MHz / 16QAM



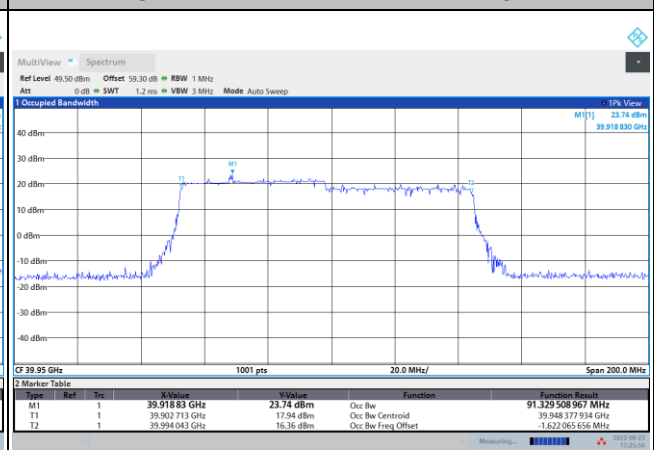
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM

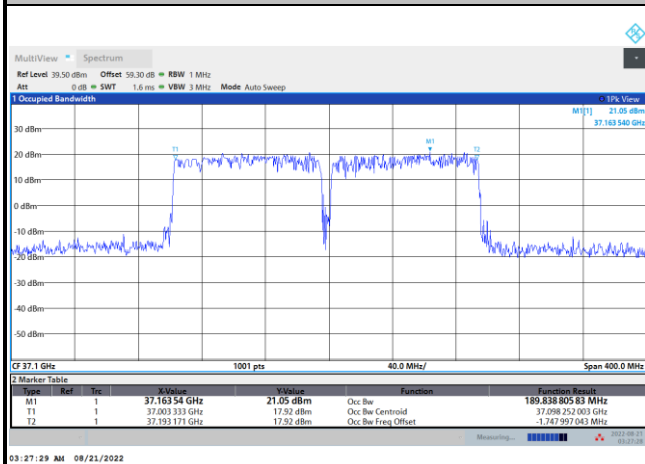




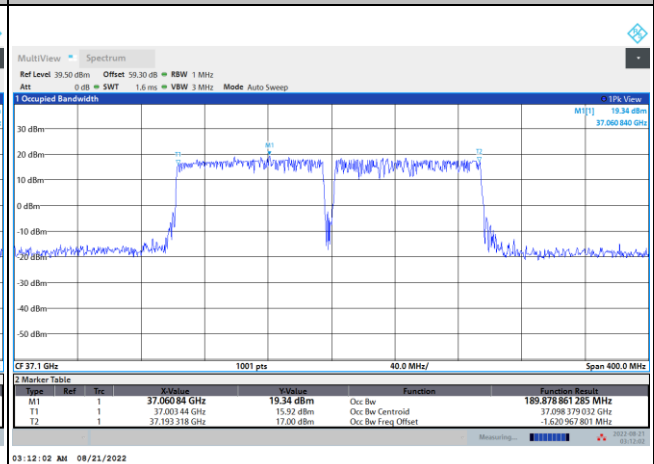
DFT-s-OFDM Module B

NR Band n260

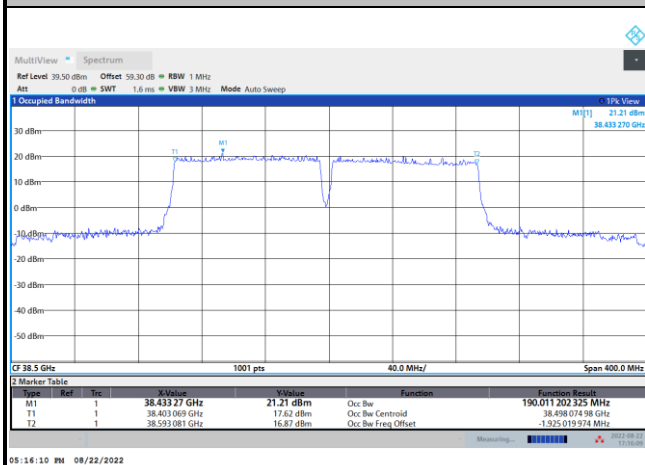
Lowest Channel / 200MHz / QPSK



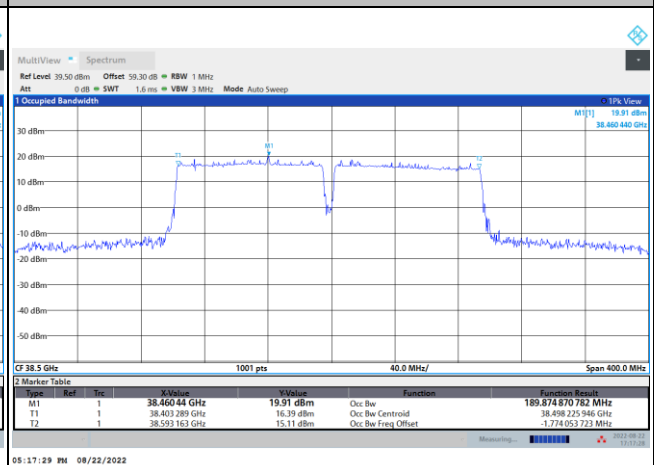
Lowest Channel / 200MHz / 16QAM



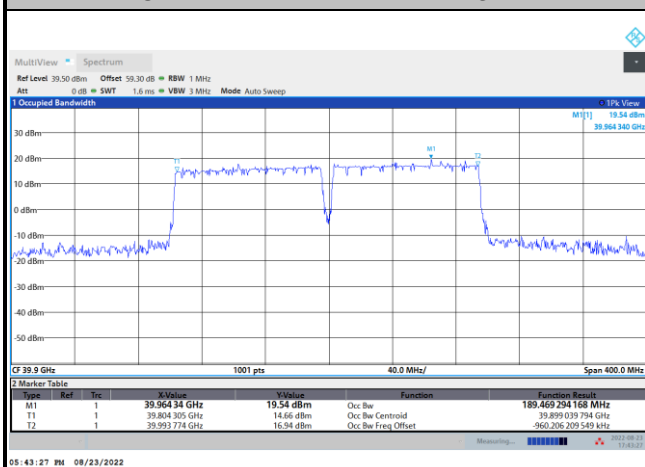
Middle Channel / 200MHz / QPSK



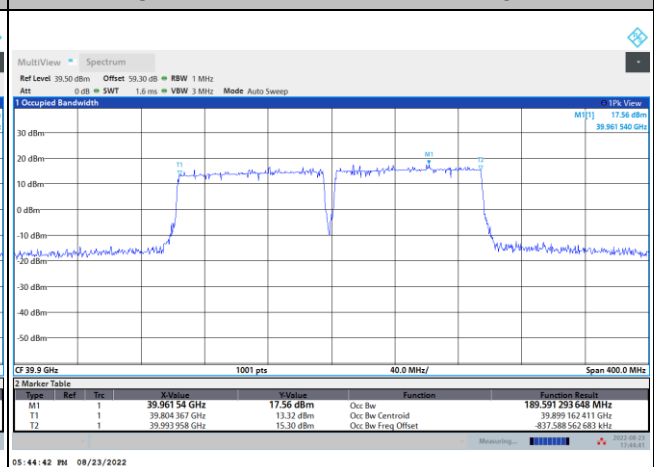
Middle Channel / 200MHz / 16QAM



Highest Channel / 200MHz / QPSK



Highest Channel / 200MHz / 16QAM

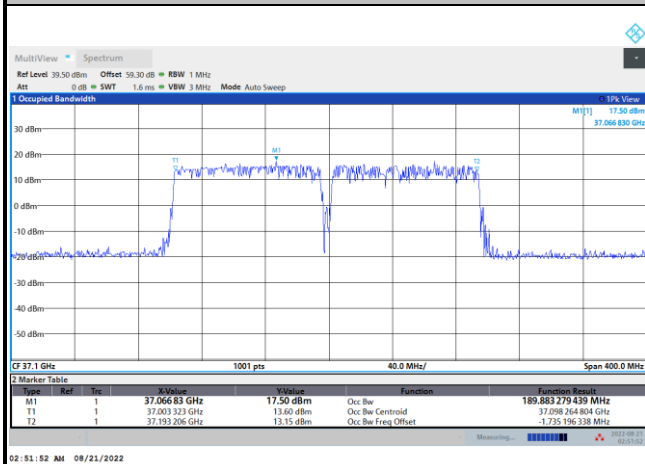




DFT-s-OFDM Module B

NR Band n260

Lowest Channel / 200MHz / 64QAM



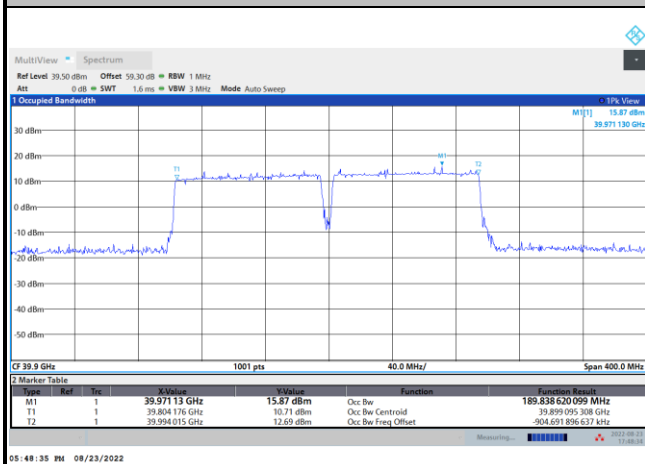
intentionally blank

Middle Channel / 200MHz / 64QAM



intentionally blank

Highest Channel / 200MHz / 64QAM



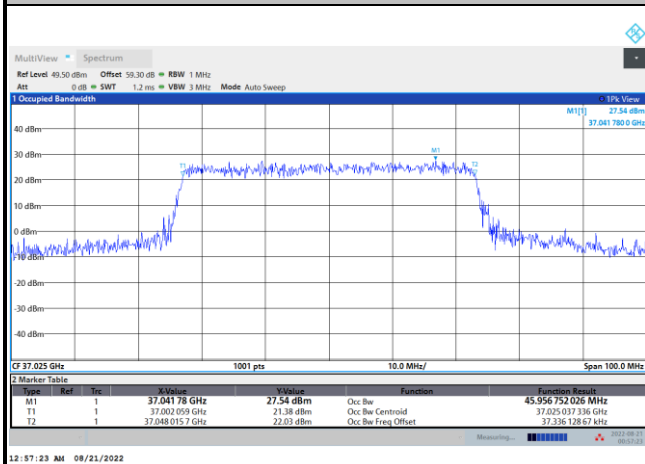
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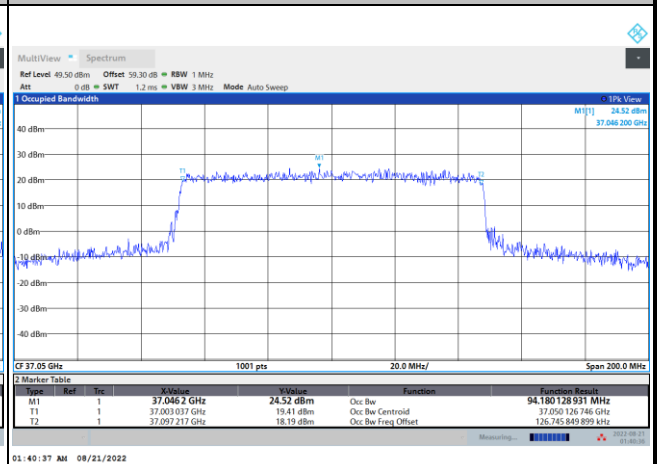
CP-OFDM Module B

NR Band n260

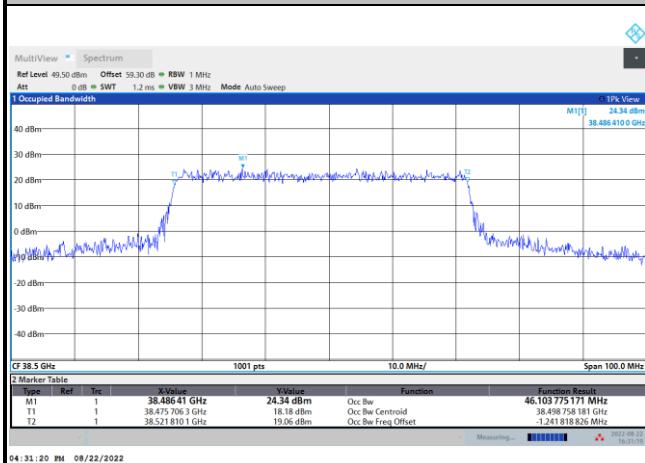
Lowest Channel / 50MHz / QPSK



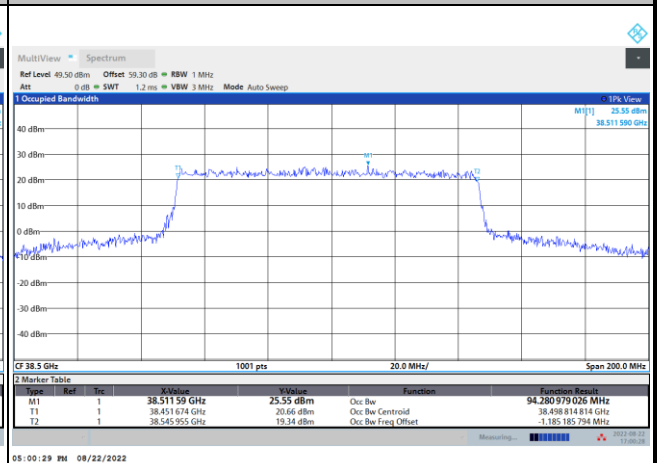
Lowest Channel / 100MHz / QPSK



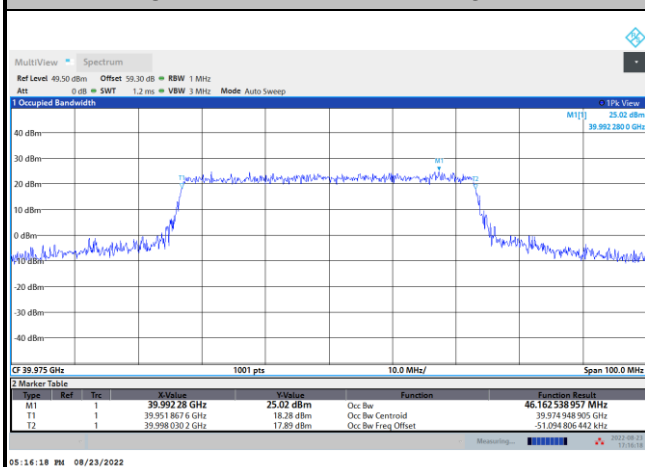
Middle Channel / 50MHz / QPSK



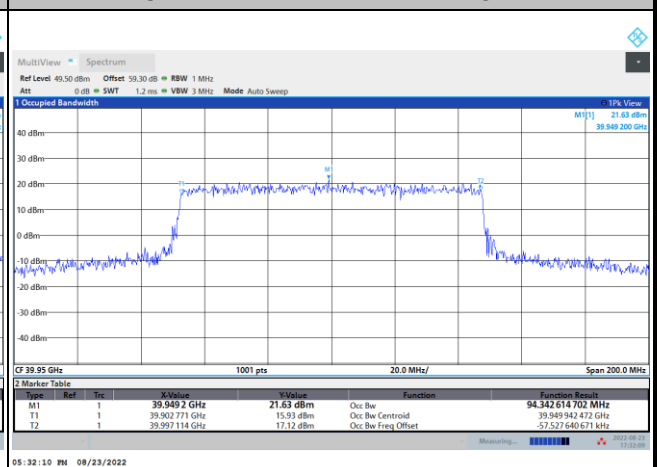
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK

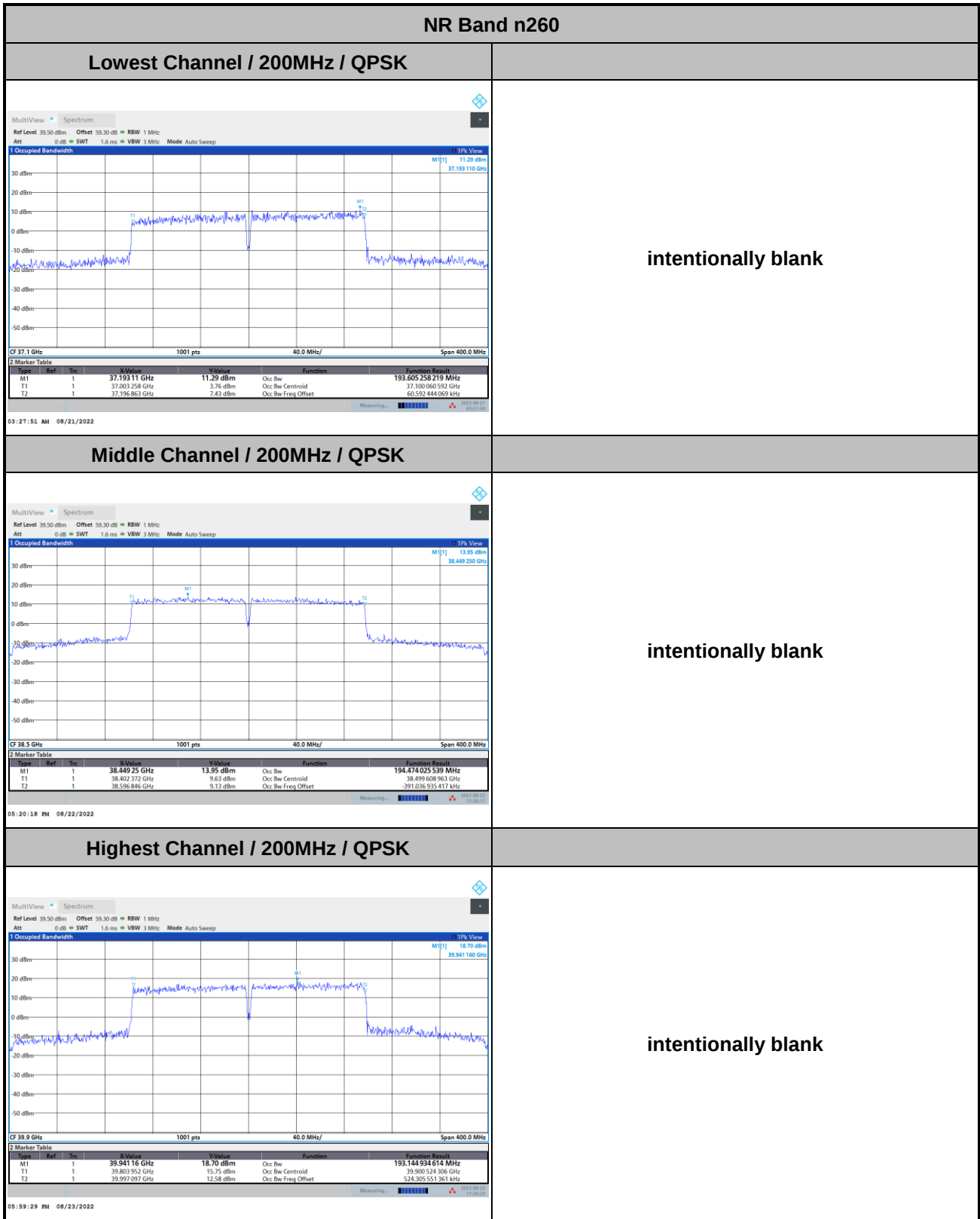


Highest Channel / 100MHz / QPSK





CP-OFDM Module B



Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module B NR Band n260 : BE (dBm) 1 RB								
BW			50MHz			100MHz			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-6.54	-9.68	-13.73	-5.17	-5.48	-7.56	-10.70	-12.63	-15.04
	>10%OB	≤-13	-24.53	-24.23	-24.22	-23.27	-23.55	-23.57	-15.14	-21.13	-23.66
High CH	0~10%OB	≤-5	-9.34	-14.22	-17.92	-10.16	-11.10	-13.78	-16.01	-17.02	-19.56
	>10%OB	≤-13	-21.67	-23.11	-23.13	-23.04	-22.97	-23.10	-15.75	-18.17	-19.38
Result			Compliance								

Mode			CP-OFDM Module B NR Band n260 : BE (dBm) 1 RB		
BW			50MHz	100MHz	200MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≧ -5	-8.23	-5.31	-9.28
	>10%OB	≧ -13	-23.04	-23.70	-15.13
High CH	0~10%OB	≧ -5	-11.23	-12.94	-13.52
	>10%OB	≧ -13	-23.46	-23.09	-15.24
Result			Compliance		

Mode			DFT-s-OFDM Module B NR Band n260 : BE (dBm) Full RB								
BW			50MHz			100MHz			200MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤-5	-18.11	-21.28	-25.78	-15.07	-16.53	-22.01	-20.96	-21.24	-24.16
	>10%OB	≤-13	-22.76	-24.00	-25.57	-21.23	-22.75	-23.50	-25.87	-25.84	-25.90
High CH	0~10%OB	≤-5	-16.88	-20.11	-21.04	-20.69	-21.18	-22.10	-23.26	-24.26	-24.09
	>10%OB	≤-13	-21.38	-22.70	-24.72	-22.22	-22.91	-23.10	-16.84	-18.25	-21.16
Result			Compliance								

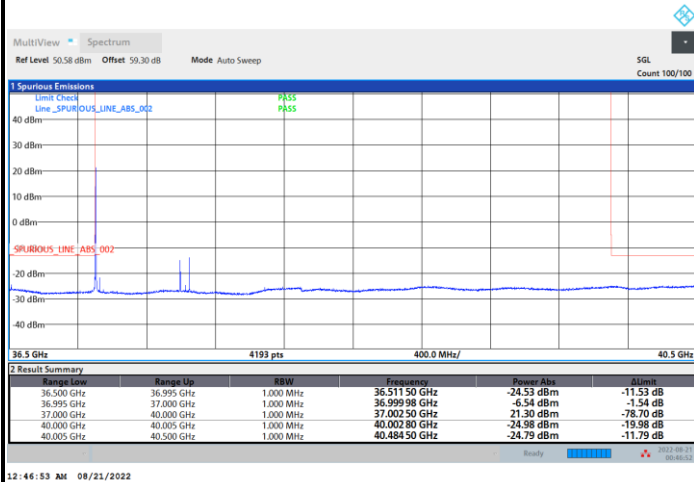
Mode			CP-OFDM Module B NR Band n260 : BE (dBm) Full RB		
BW			50MHz	100MHz	200MHz
Limit (dBm)			QPSK	QPSK	QPSK
Low CH	0~10%OB	≧ -5	-21.00	-16.86	-16.98
	>10%OB	≧ -13	-20.73	-22.78	-21.07
High CH	0~10%OB	≧ -5	-20.19	-19.14	-20.75
	>10%OB	≧ -13	-21.71	-22.40	-20.16
Result			Compliance		



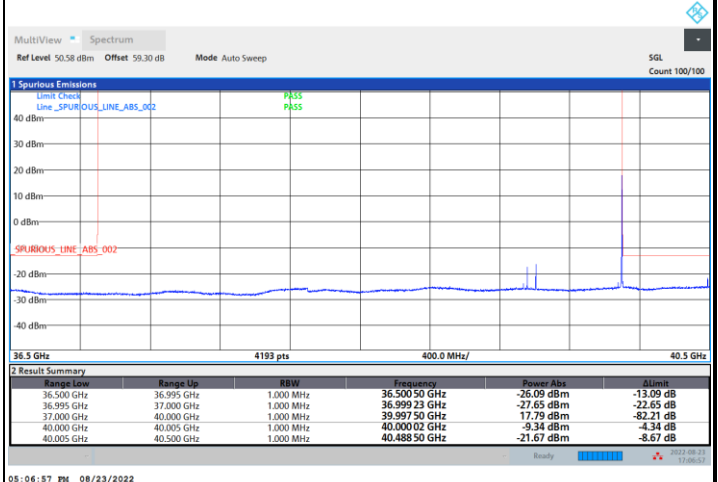
DFT-s-OFDM Module B

NR Band n260 / 50MHz / QPSK

Lowest Band Edge / 1 RB

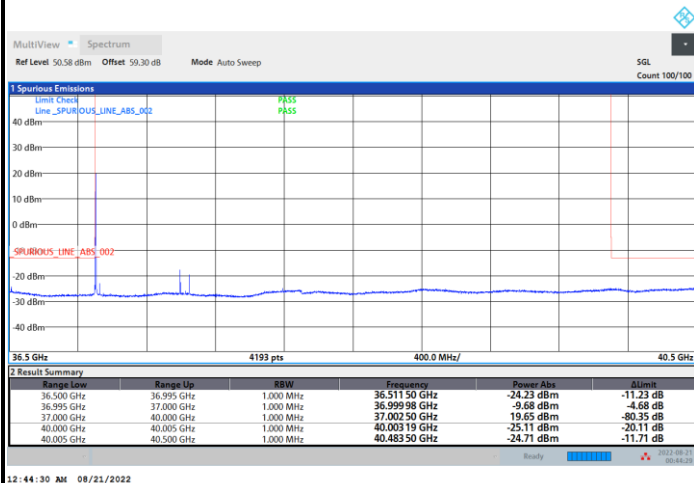


Highest Band Edge / 1 RB

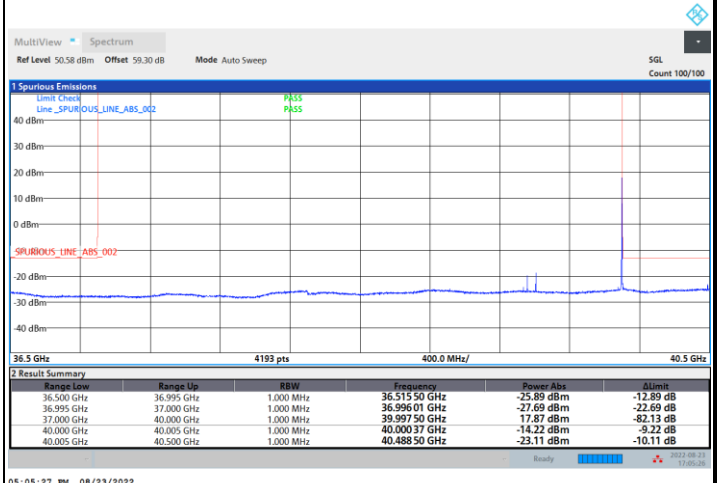


NR Band n260 / 50MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

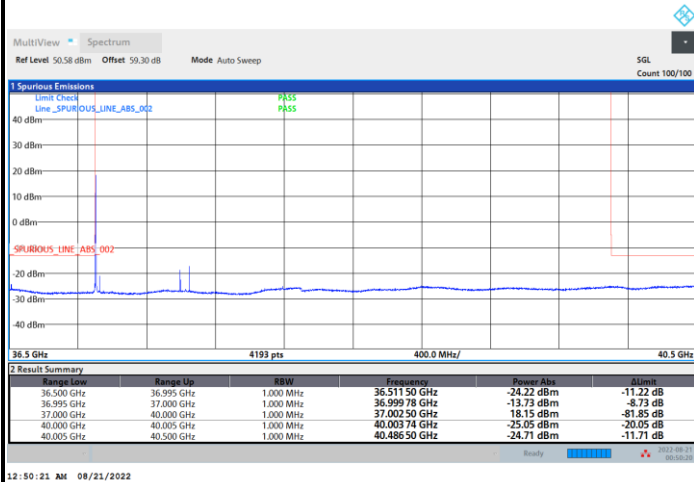




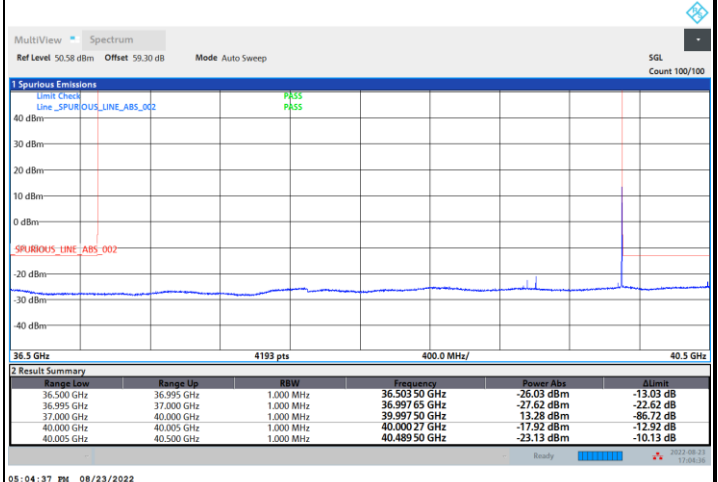
DFT-s-OFDM Module B

NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / 1 RB

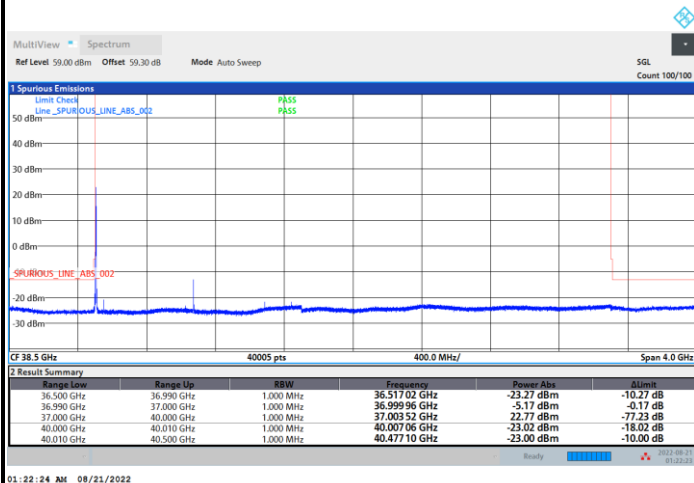


Highest Band Edge / 1 RB

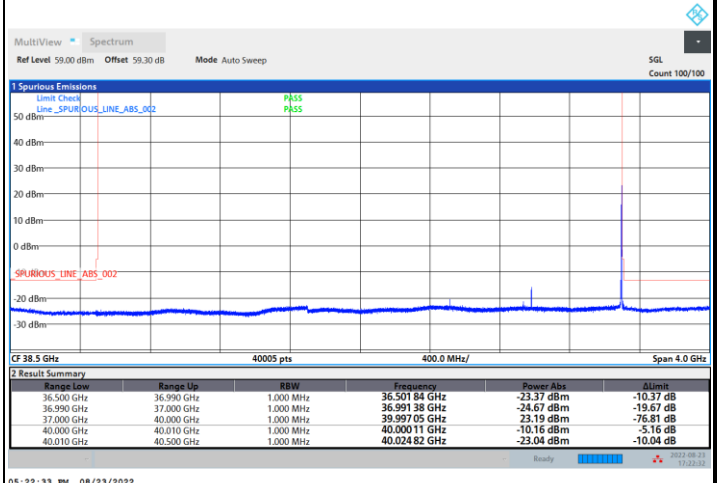


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

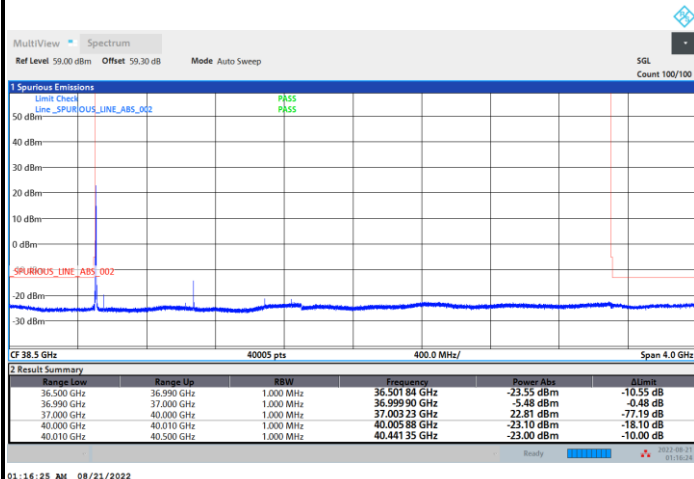




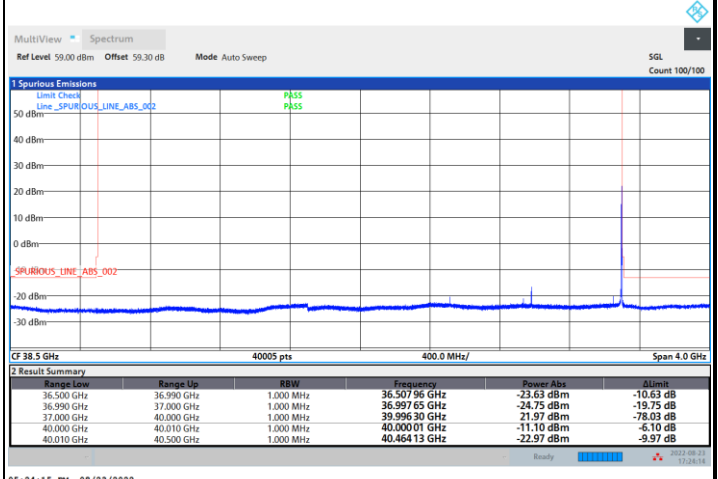
DFT-s-OFDM Module B

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / 1 RB

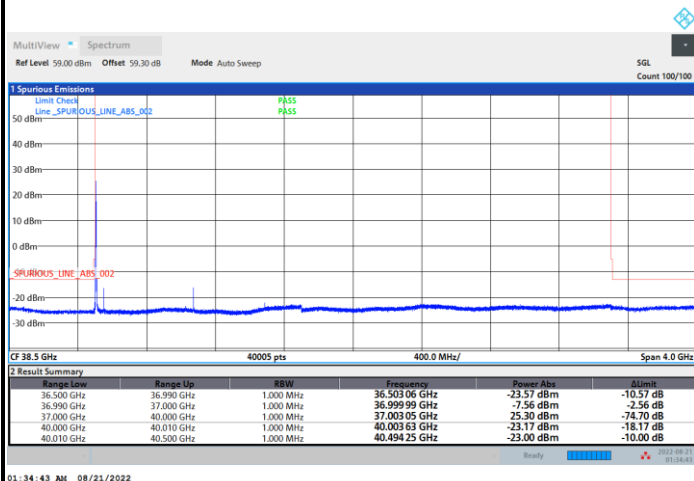


Highest Band Edge / 1 RB



NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

