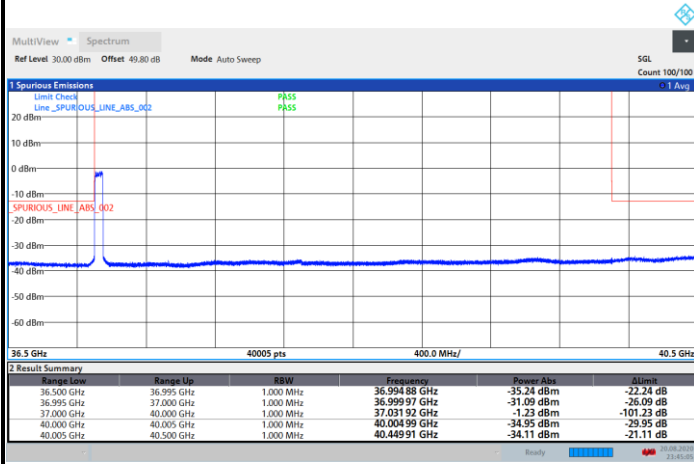




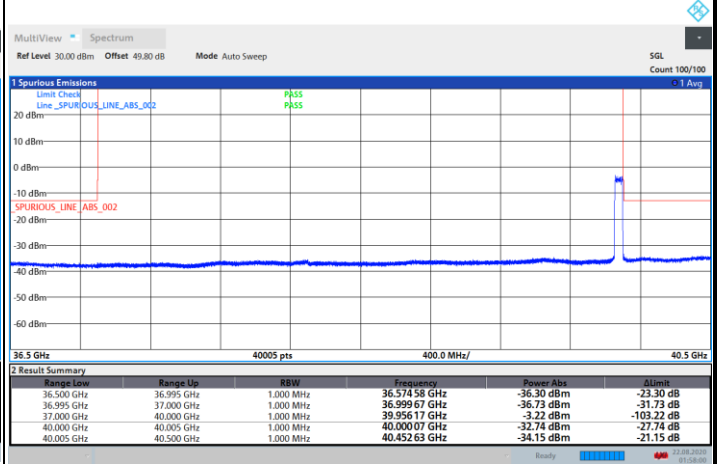
CP-OFDM Module 1

NR Band n260 / 50MHz / 64QAM

Lowest Band Edge / Full RB

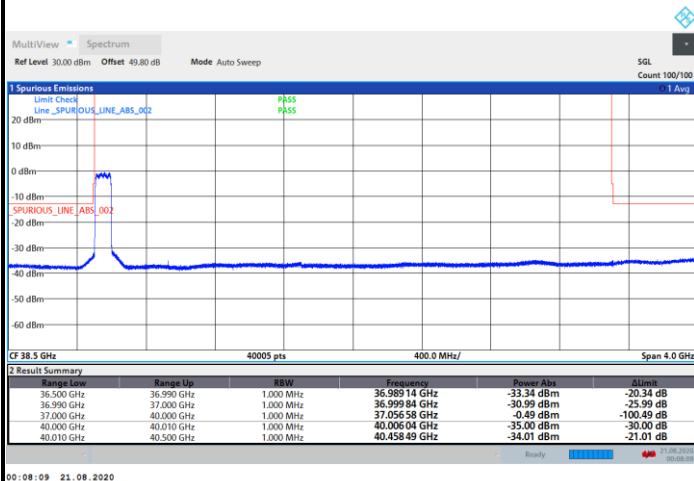


Highest Band Edge / Full RB

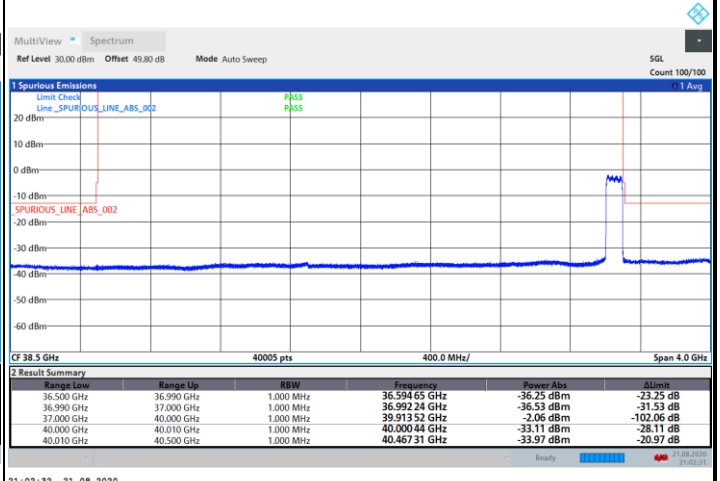


NR Band n260 / 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

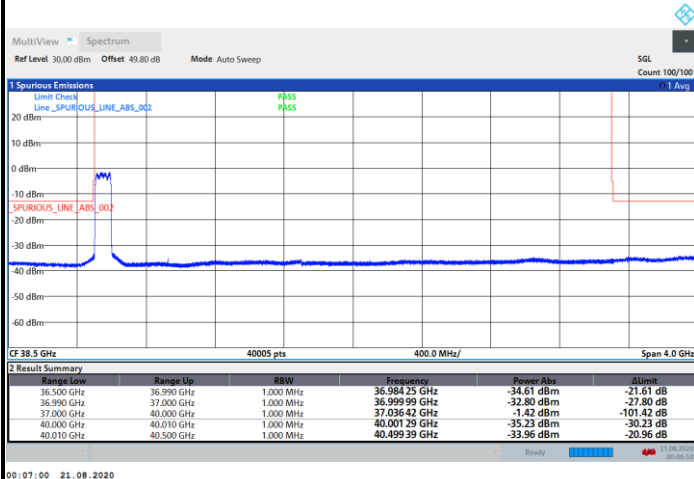




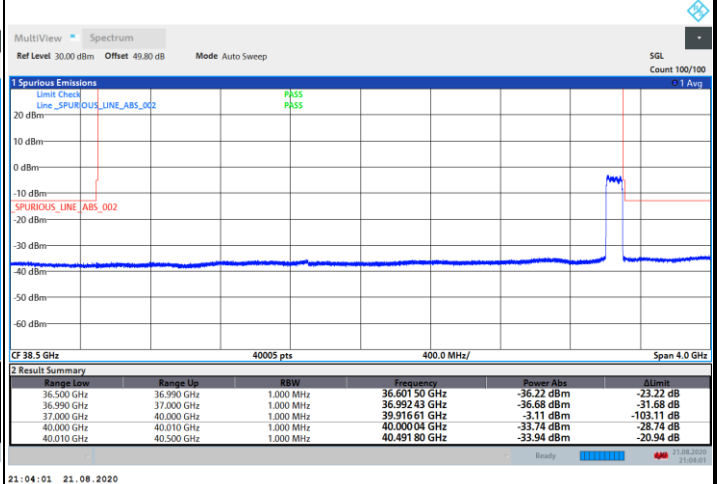
CP-OFDM Module 1

NR Band n260 / 100MHz / 16QAM

Lowest Band Edge / Full RB

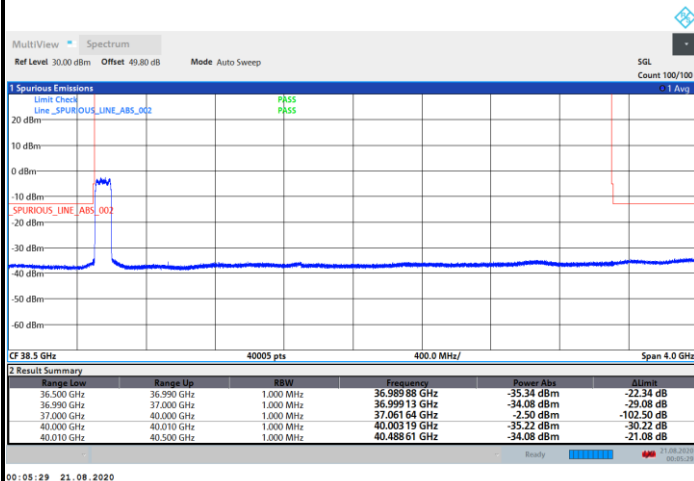


Highest Band Edge / Full RB

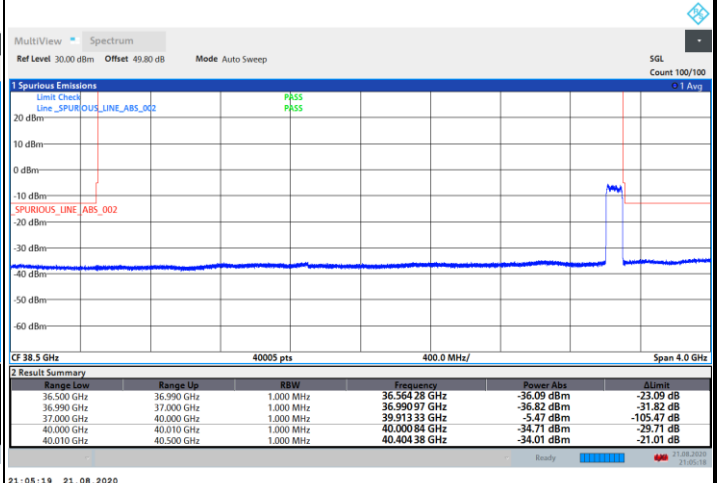


NR Band n260 / 100MHz / 64QAM

Lowest Band Edge / Full RB



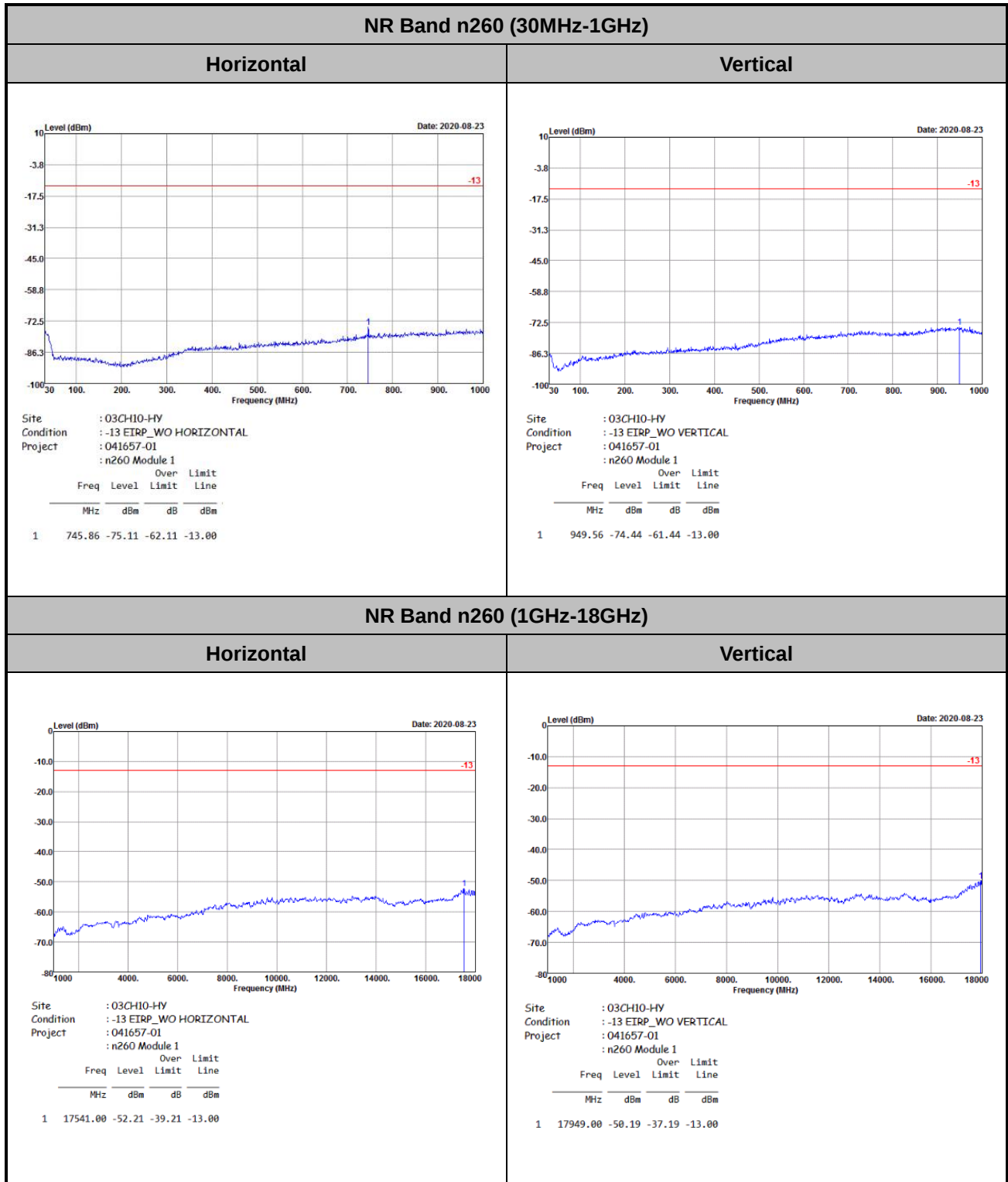
Highest Band Edge / Full RB



Spurious Emission

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

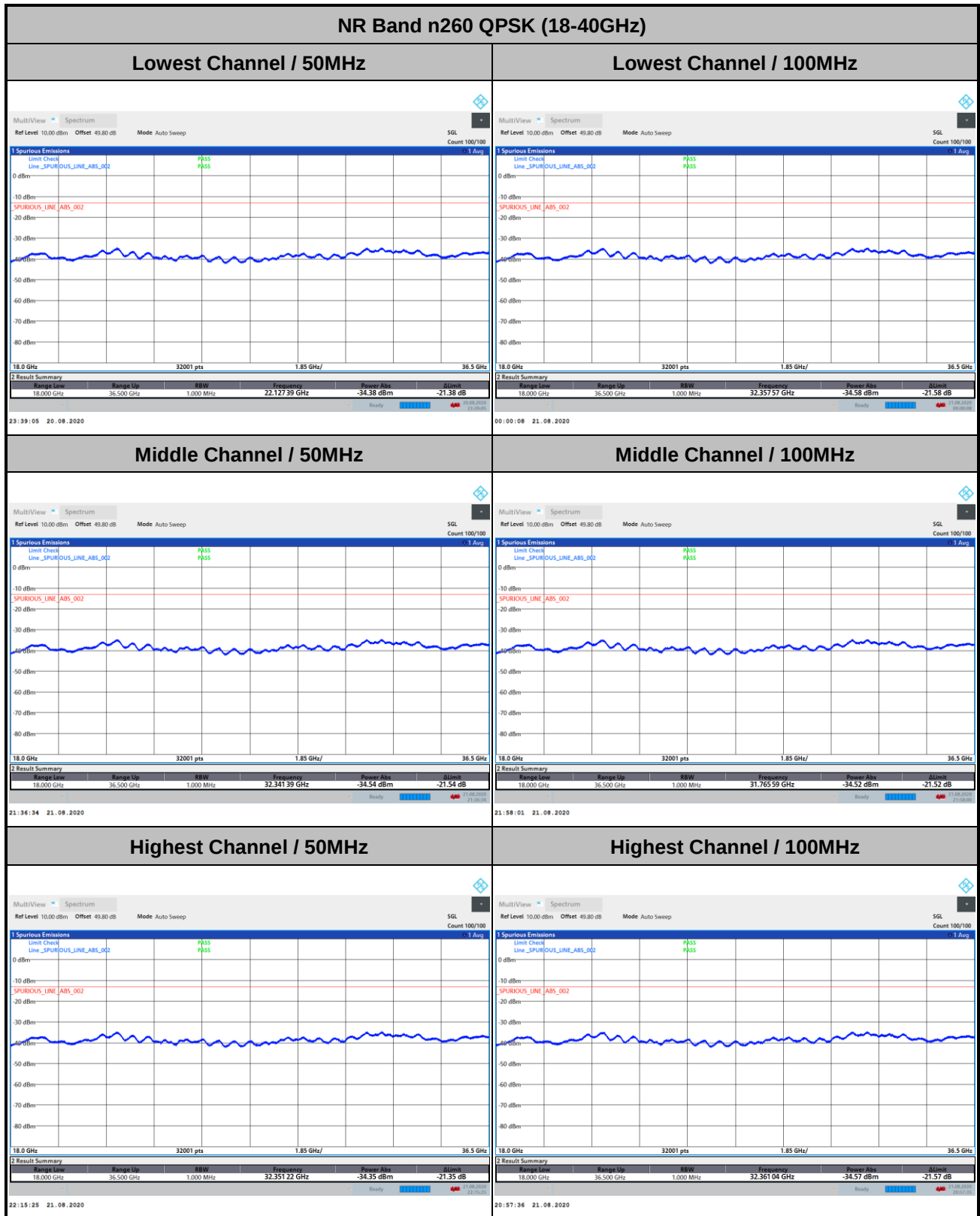
Only the noise floor is reported.



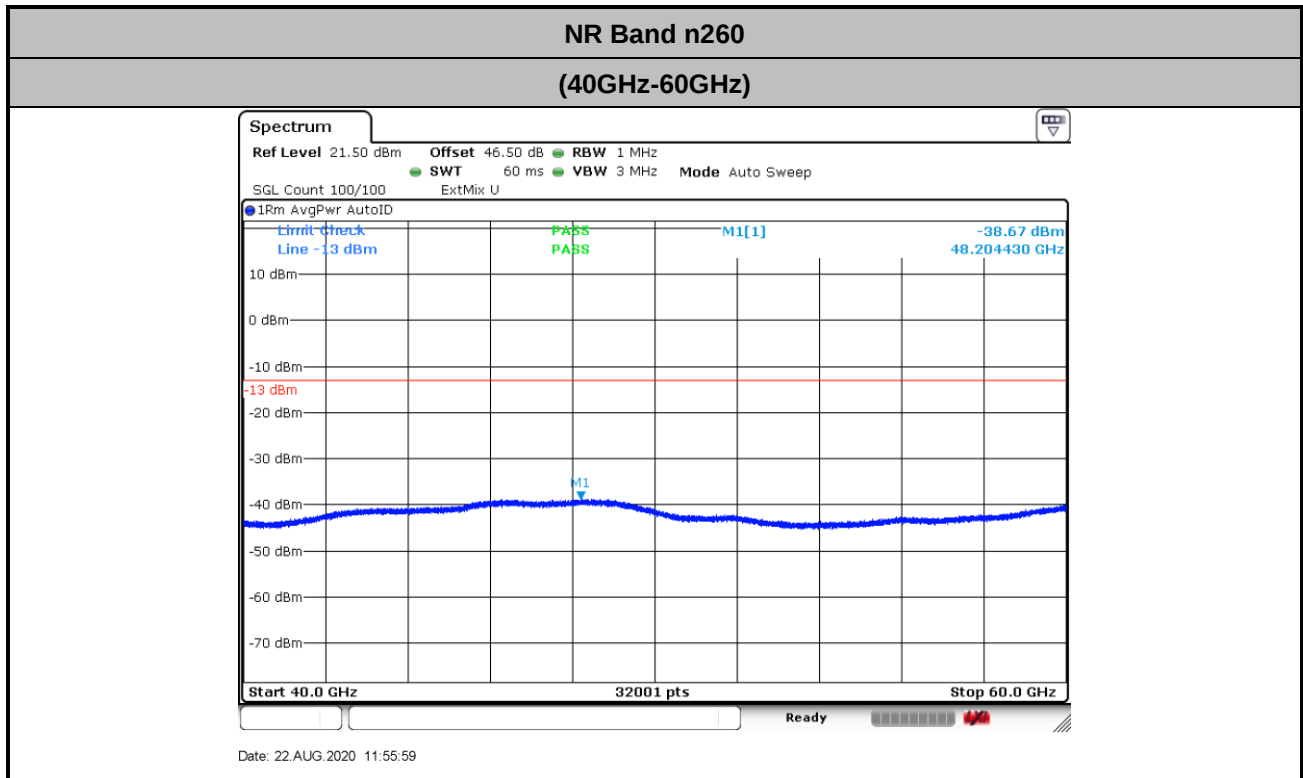


Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

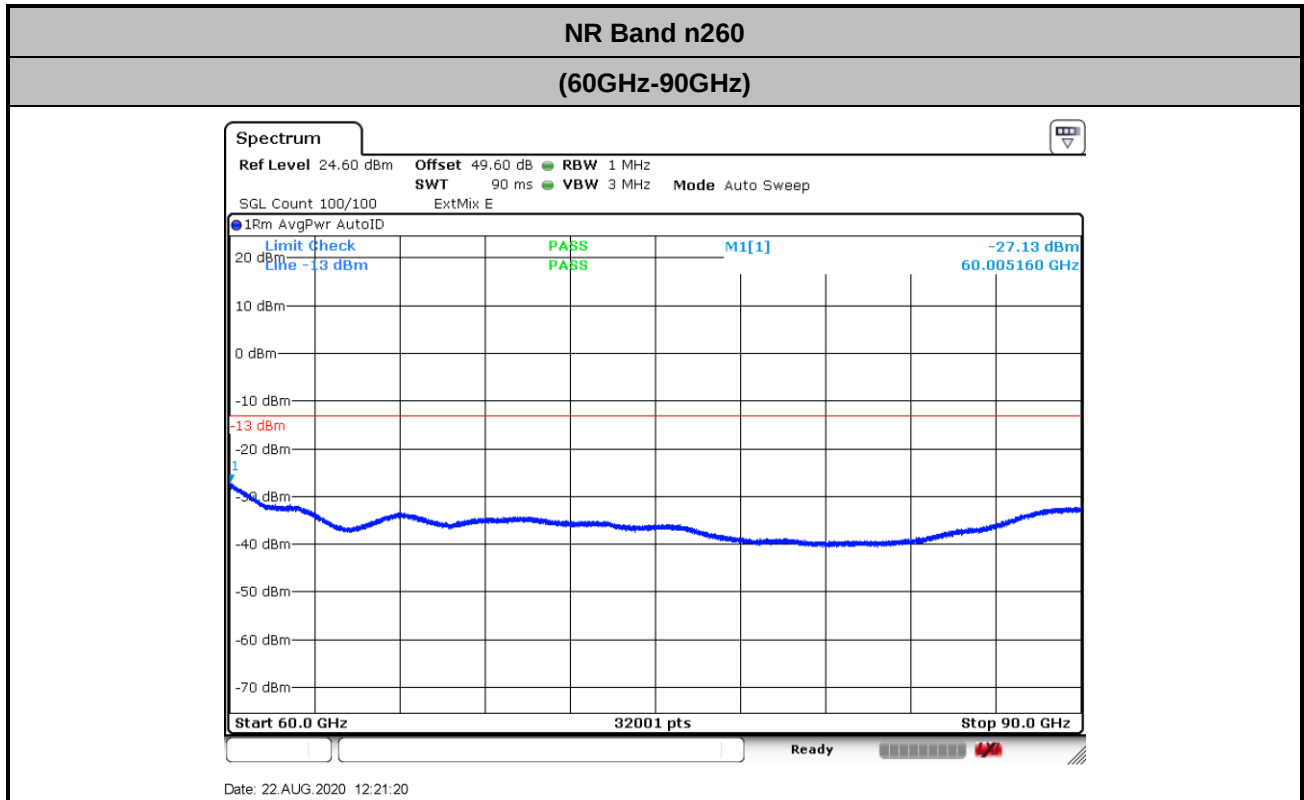
CP-OFDM Module 1



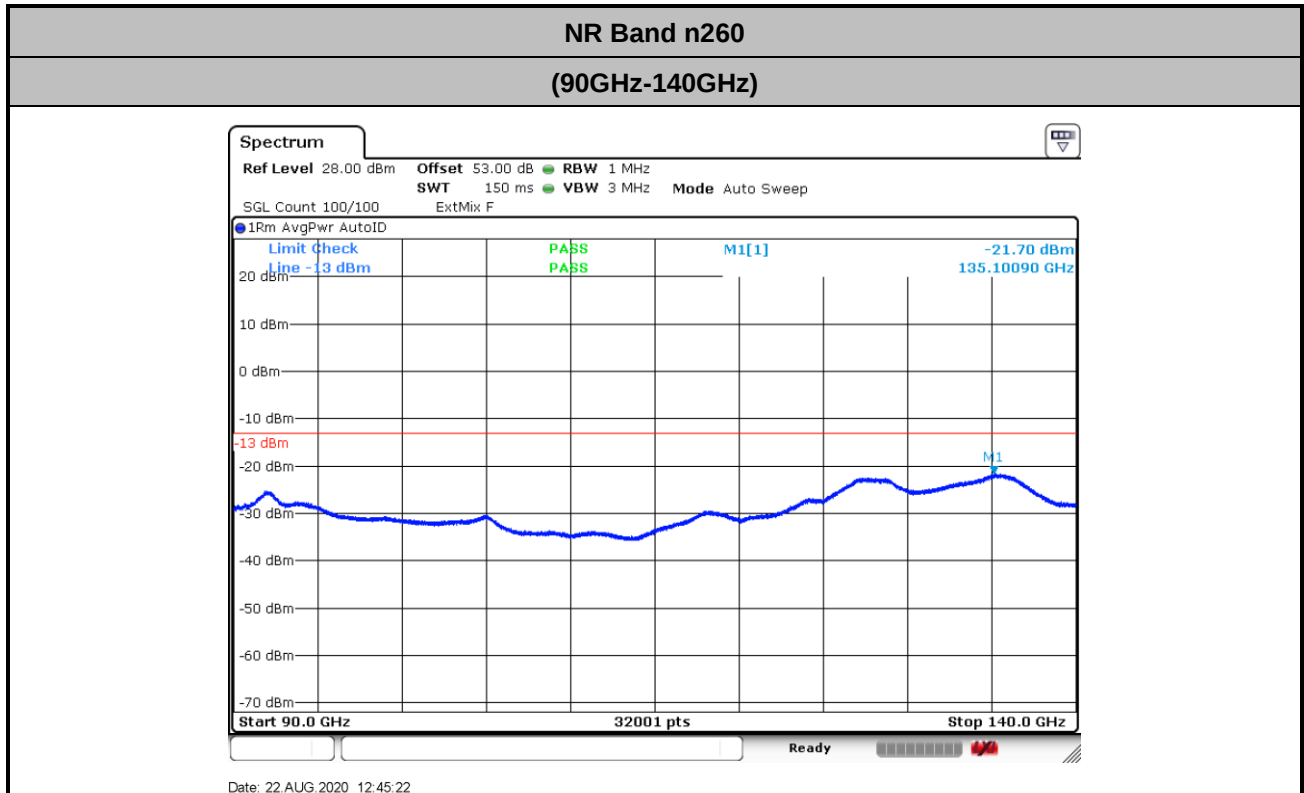
There is no significant spurious emission signal found for frequency started from 40GHz up to 200GHz. Only the noise floor is reported.



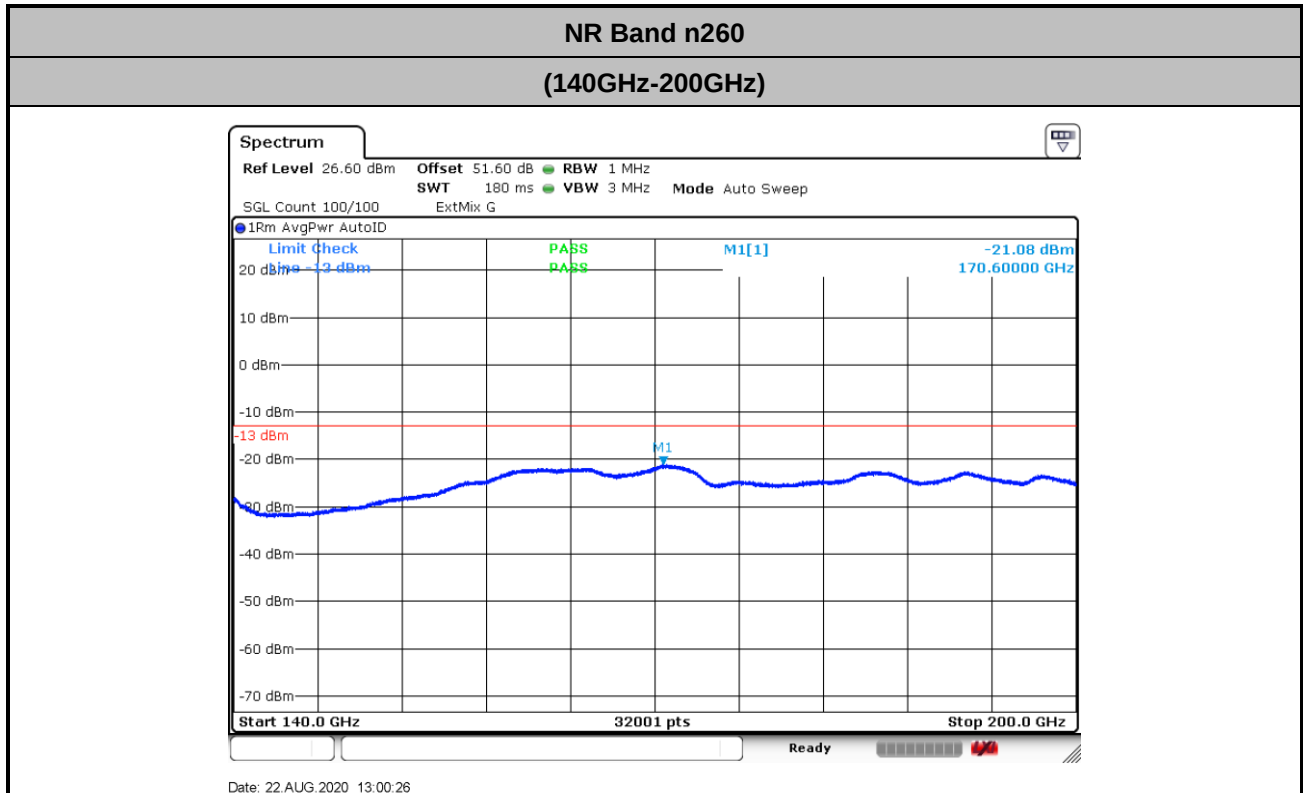
$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 42.3 + 2 + 107 + 20\log(1) - 104.8 = 46.5 \text{ (dB)} \end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 45.4 + 2 + 107 + 20\log(1) - 104.8 = 49.6 \text{ (dB)} \end{aligned}$$



$$\begin{aligned}\text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 48.8 + 2 + 107 + 20\log(1) - 104.8 = 53 \text{ (dB)}\end{aligned}$$



$$\begin{aligned} \text{Offset} &= \text{Antenna Factor (dB/m)} + \text{Cable Loss (dB)} + 107 + 20\log(D) - 104.8 \\ &= 53.4 + 2 + 107 + 20\log(0.5) - 104.8 = 51.6 \text{ (dB)} \end{aligned}$$

NR Band n260

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	38.5001998	-196.800	5.112	Pass
40	Normal Voltage	38.5001119	-108.900	2.829	
30	Normal Voltage	38.500044	-41.000	1.065	
20(Ref.)	Normal Voltage	38.500003	0.000	0.000	
10	Normal Voltage	38.4999381	64.900	1.686	
0	Normal Voltage	38.4999171	85.900	2.231	
-10	Normal Voltage	38.4998961	106.900	2.777	
-20	Normal Voltage	38.4998551	147.900	3.842	
-30	Normal Voltage	38.4998032	199.800	5.190	
20	Maximum Voltage	38.500035	-32.000	0.831	
20	Normal Voltage	38.500009	-6.000	0.156	
20	Battery End Point	38.499977	26.000	0.675	

Note:

1. Normal Voltage =3.85 V. ; Battery End Point (BEP) =3.3 V. ; Maximum Voltage =4.25 V.
2. The frequency fundamental emissions stay within the operation band.



NR Band n261 Module 0 AG0

Occupied Bandwidth

Mode	DFT-s-OFDM Module 0 NR Band n261: 99%OBW(MHz)							
BW	50MHz				100MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	45.14	45.26	45.32	45.32	90.24	90.20	90.32	90.40
Middle CH	45.22	45.36	45.40	45.42	90.44	90.28	90.44	90.52
Highest CH	45.08	45.44	45.22	45.12	90.68	90.40	90.24	90.48

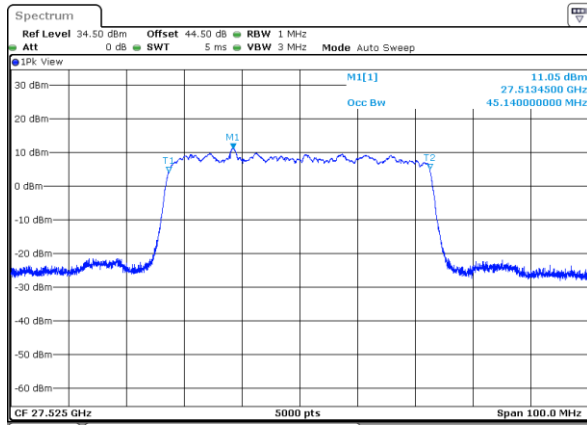
Mode	CP-OFDM Module 0 NR Band n261: 99%OBW(MHz)					
BW	50MHz			100MHz		
Mod.	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Lowest CH	45.36	45.40	45.36	92.84	92.72	92.84
Middle CH	45.48	45.50	45.48	92.96	92.92	93.08
Highest CH	45.38	45.36	45.40	93.16	93.08	92.96



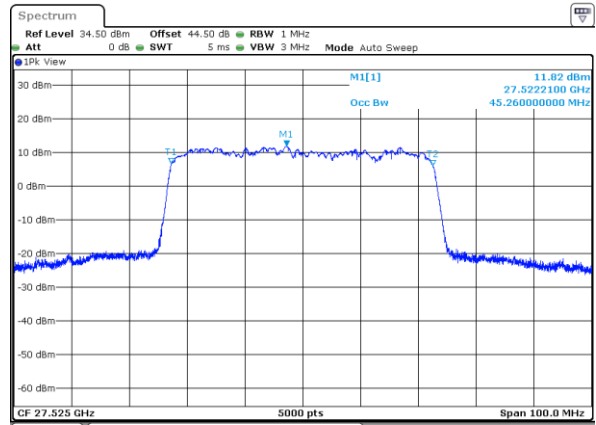
DFT-s-OFDM Module 0

NR Band n261

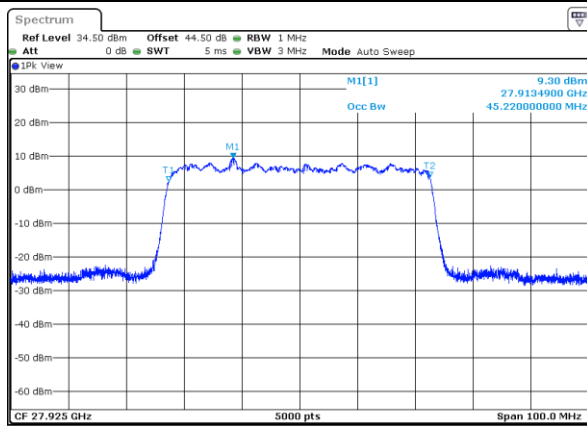
Lowest Channel / 50MHz / BPSK



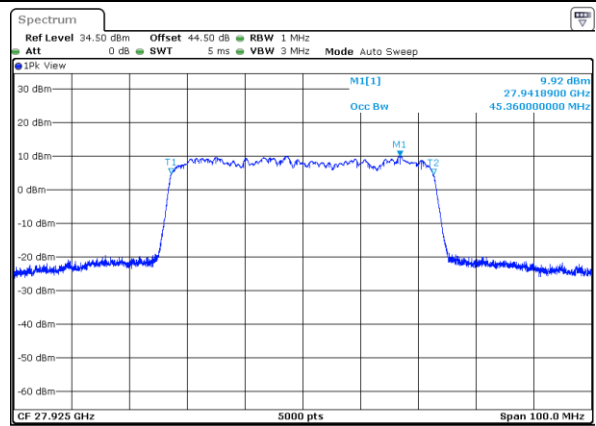
Lowest Channel / 50MHz / QPSK



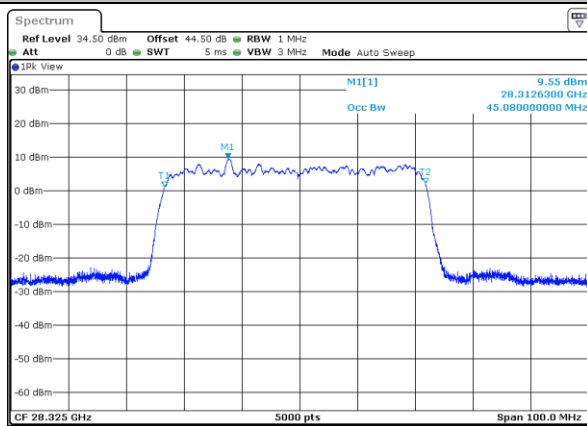
Middle Channel / 50MHz / BPSK



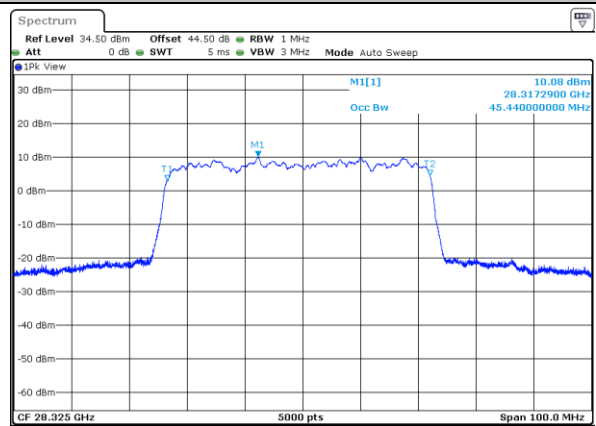
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK



Highest Channel / 50MHz / QPSK

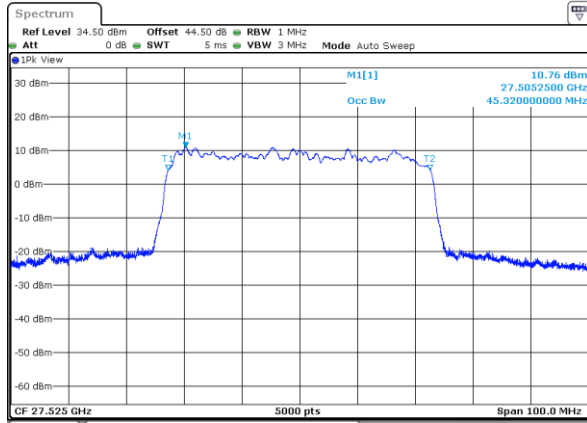




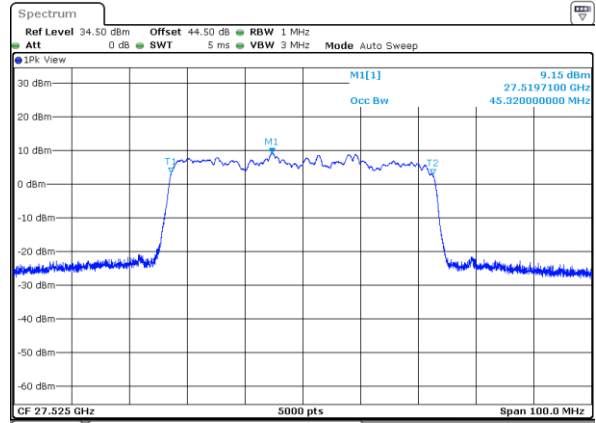
DFT-s-OFDM Module 0

NR Band n261

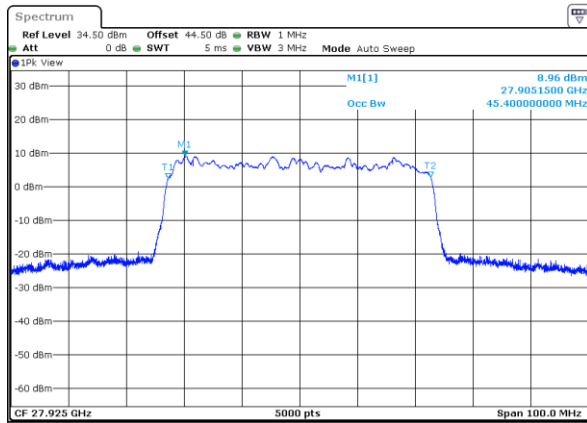
Lowest Channel / 50MHz / 16QAM



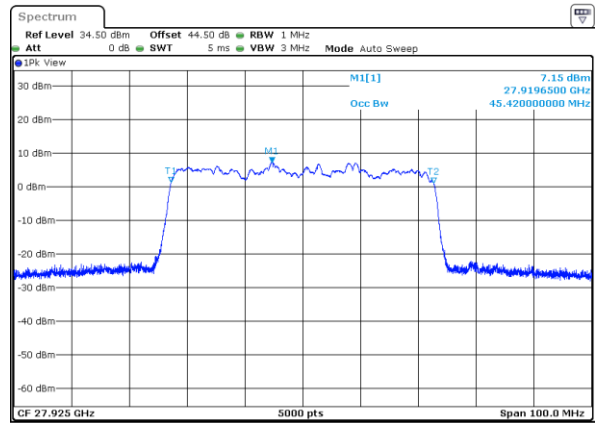
Lowest Channel / 50MHz / 64QAM



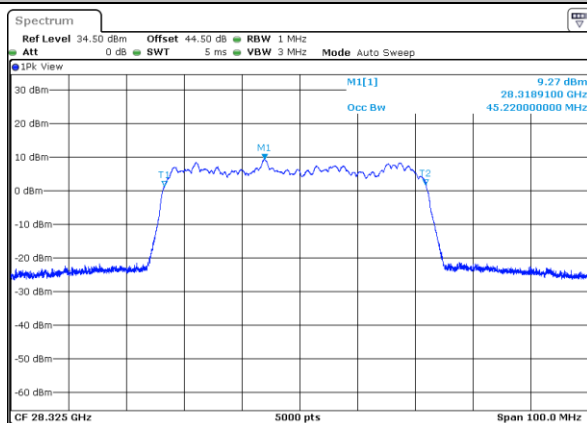
Middle Channel / 50MHz / 16QAM



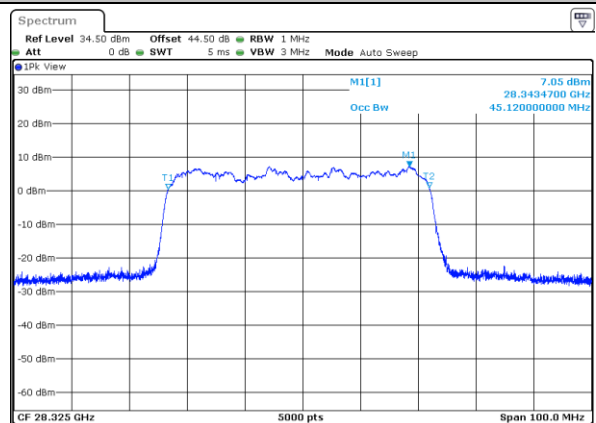
Middle Channel / 50MHz / 64QAM



Highest Channel / 50MHz / 16QAM



Highest Channel / 50MHz / 64QAM

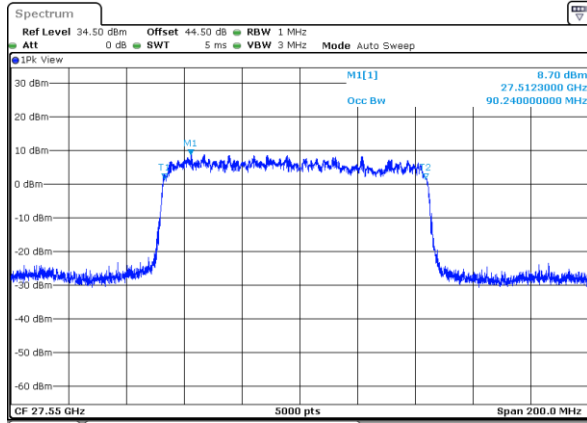




DFT-s-OFDM Module 0

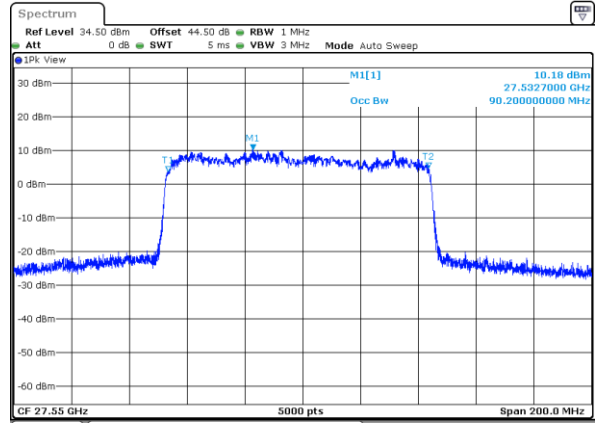
NR Band n261

Lowest Channel / 100MHz / BPSK



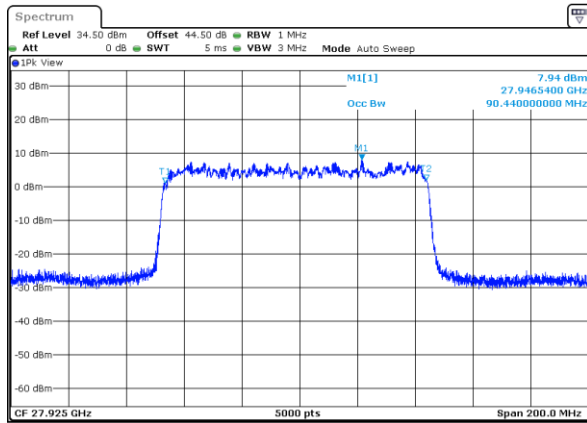
Date: 2,AUG,2020 09:47:40

Lowest Channel / 100MHz / QPSK



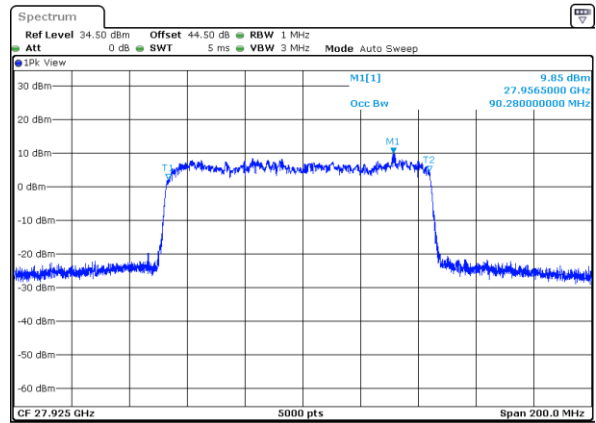
Date: 2,AUG,2020 09:44:19

Middle Channel / 100MHz / BPSK



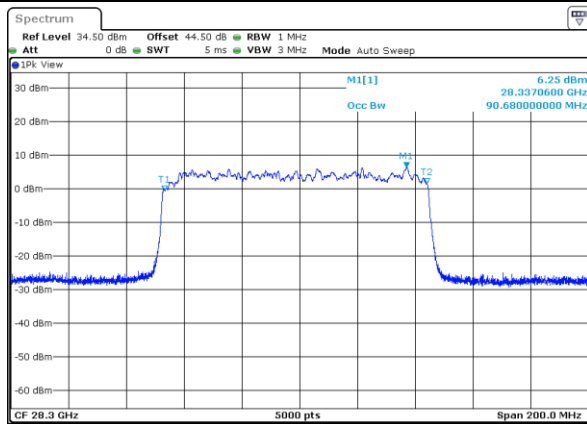
Date: 2,AUG,2020 13:46:47

Middle Channel / 100MHz / QPSK



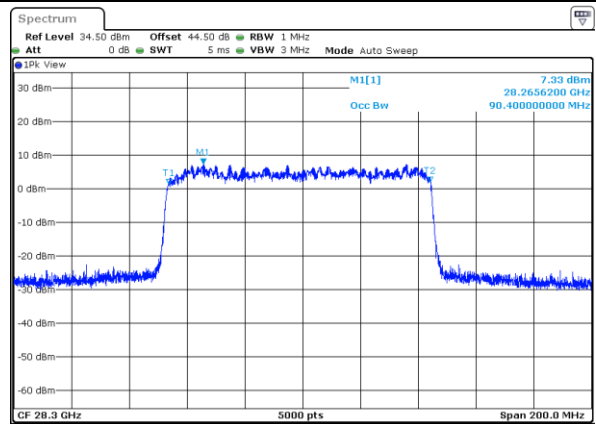
Date: 2,AUG,2020 13:44:23

Highest Channel / 100MHz / BPSK



Date: 3,AUG,2020 15:50:23

Highest Channel / 100MHz / QPSK



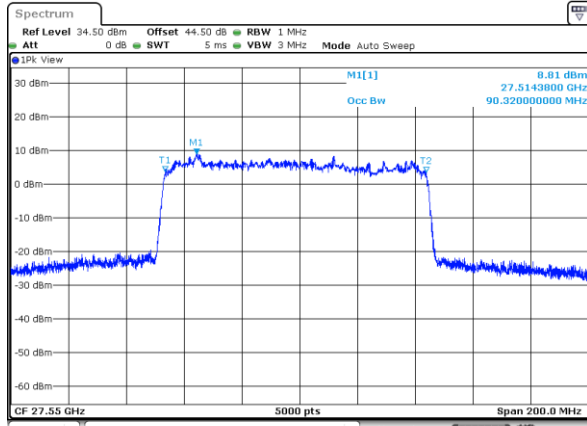
Date: 3,AUG,2020 15:46:56



DFT-s-OFDM Module 0

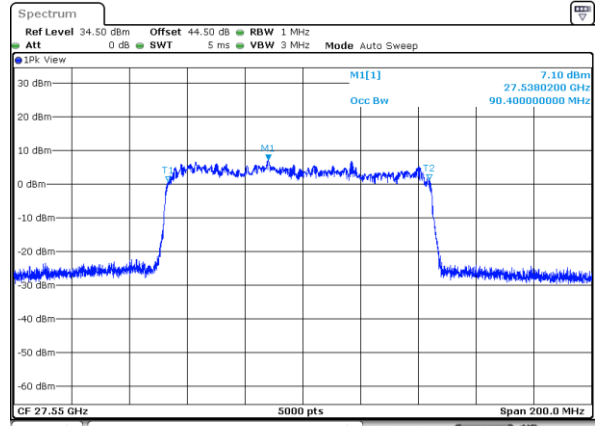
NR Band n261

Lowest Channel / 100MHz / 16QAM



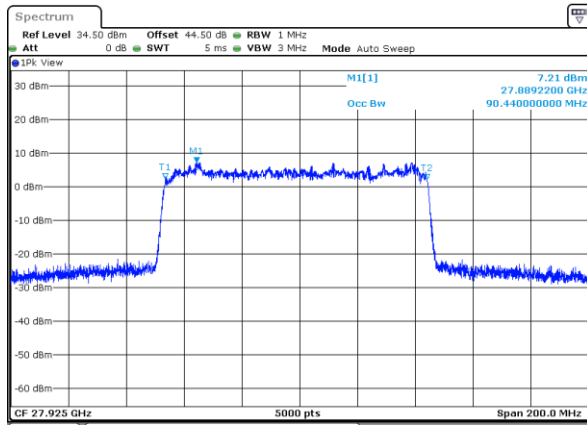
Date: 2,AUG,2020 09:45:23

Lowest Channel / 100MHz / 64QAM



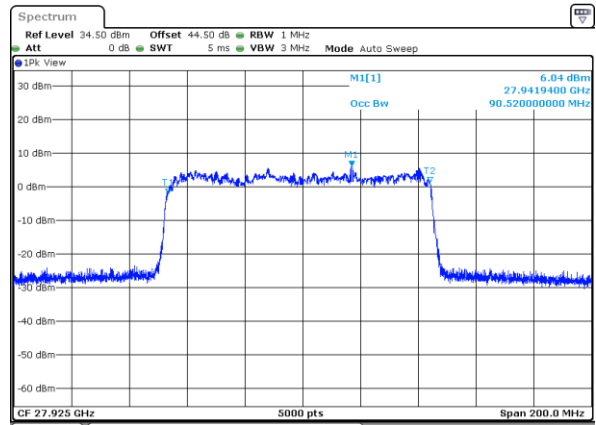
Date: 2,AUG,2020 09:46:37

Middle Channel / 100MHz / 16QAM



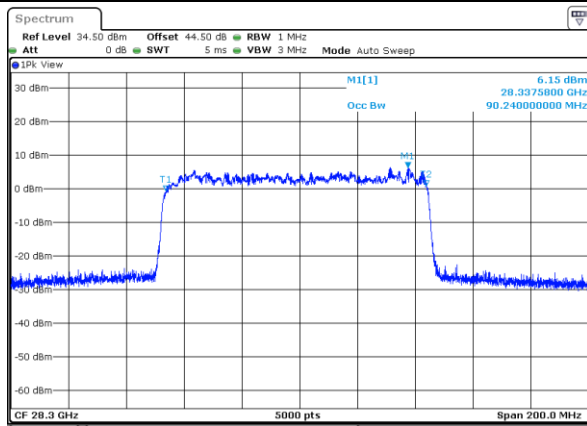
Date: 2,AUG,2020 13:45:05

Middle Channel / 100MHz / 64QAM



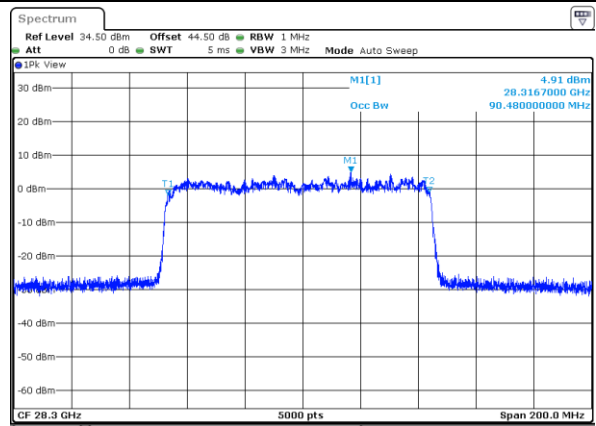
Date: 2,AUG,2020 13:46:01

Highest Channel / 100MHz / 16QAM



Date: 3,AUG,2020 16:40:00

Highest Channel / 100MHz / 64QAM



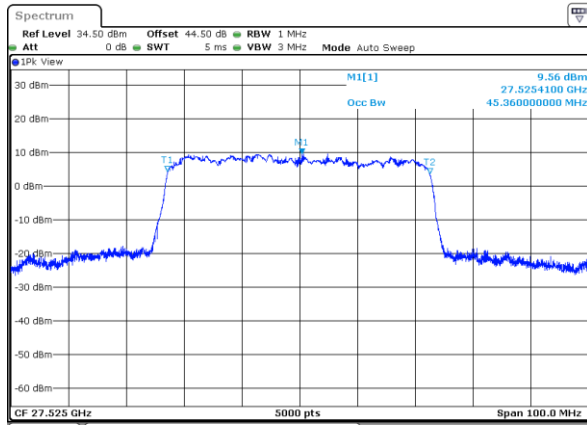
Date: 3,AUG,2020 16:45:17



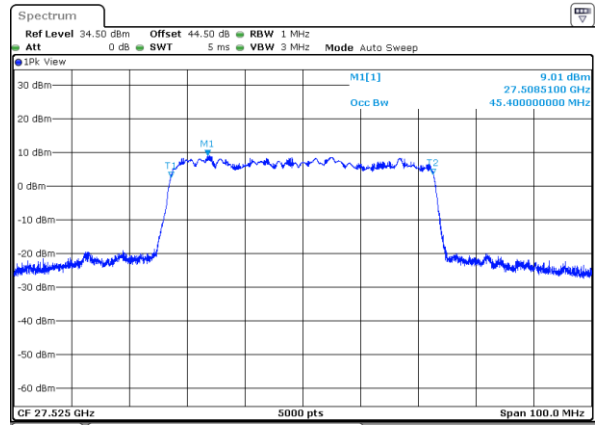
CP-OFDM Module 0

NR Band n261

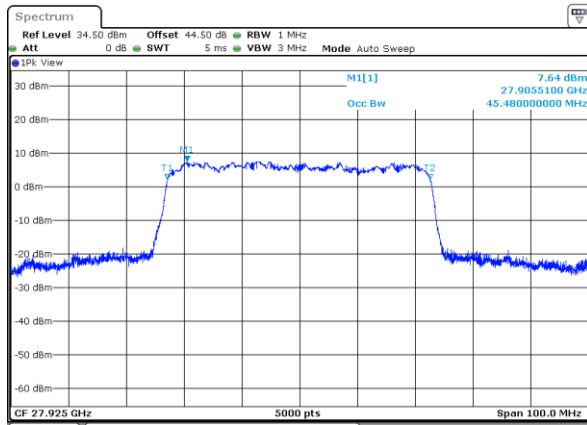
Lowest Channel / 50MHz / QPSK



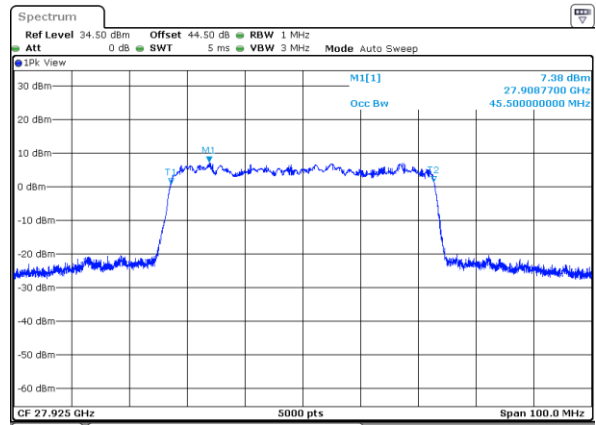
Lowest Channel / 50MHz / 16QAM



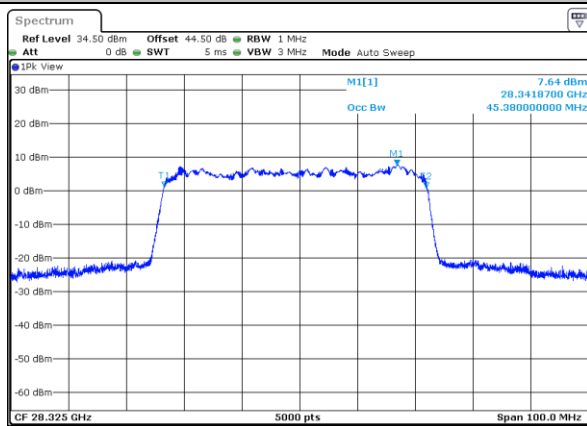
Middle Channel / 50MHz / QPSK



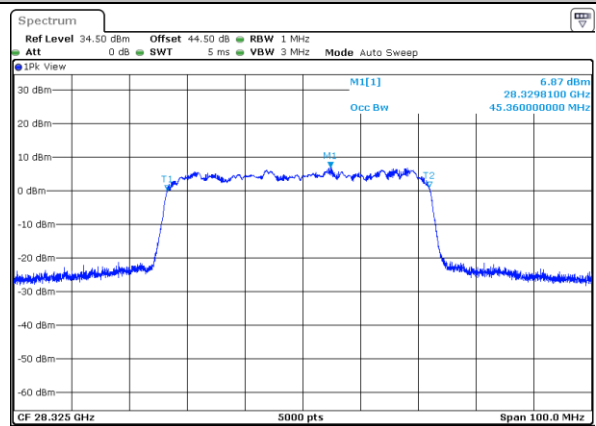
Middle Channel / 50MHz / 16QAM



Highest Channel / 50MHz / QPSK



Highest Channel / 50MHz / 16QAM

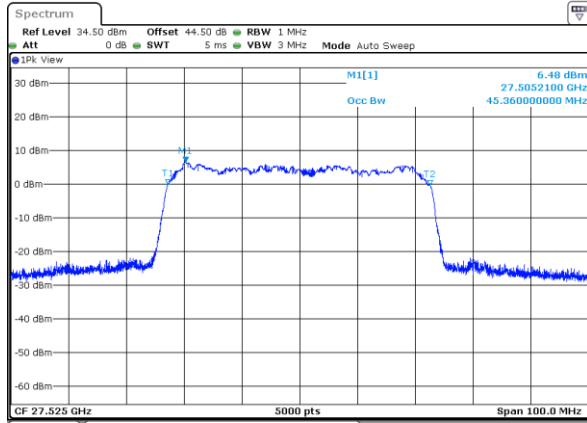




CP-OFDM Module 0

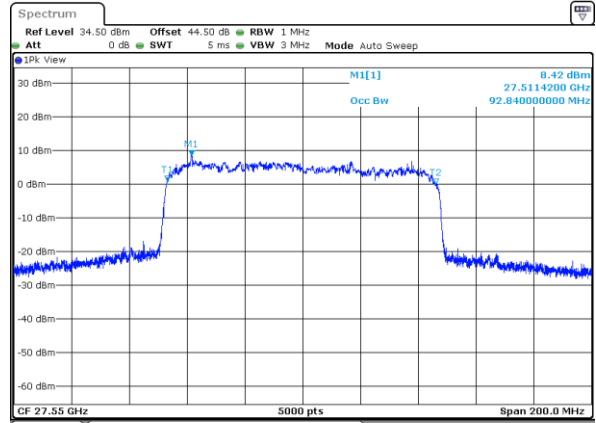
NR Band n261

Lowest Channel / 50MHz / 64QAM



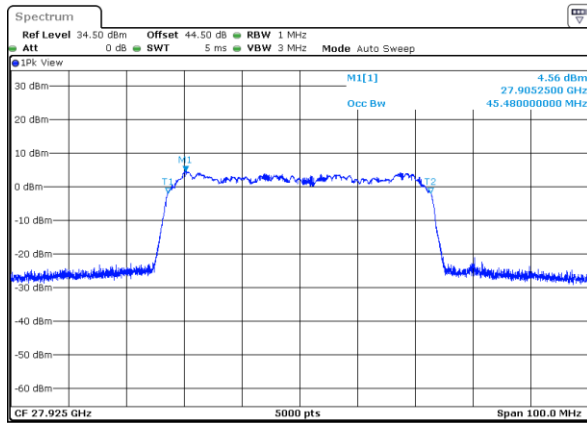
Date: 2,AUG,2020 09:29:03

Lowest Channel / 100MHz / QPSK



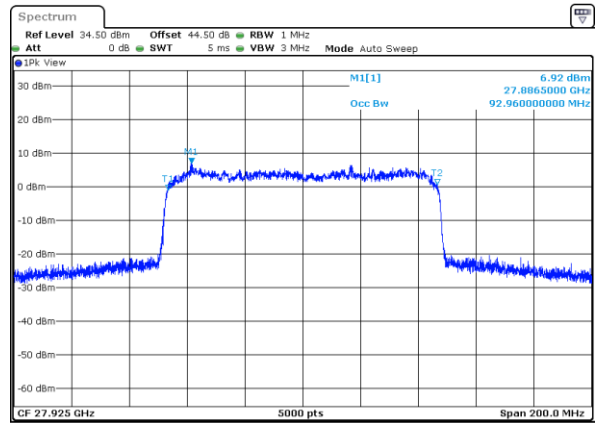
Date: 2,AUG,2020 10:03:41

Middle Channel / 50MHz / 64QAM



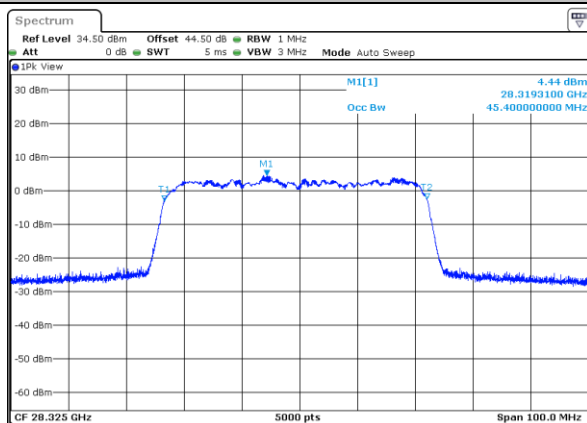
Date: 2,AUG,2020 13:33:55

Middle Channel / 100MHz / QPSK



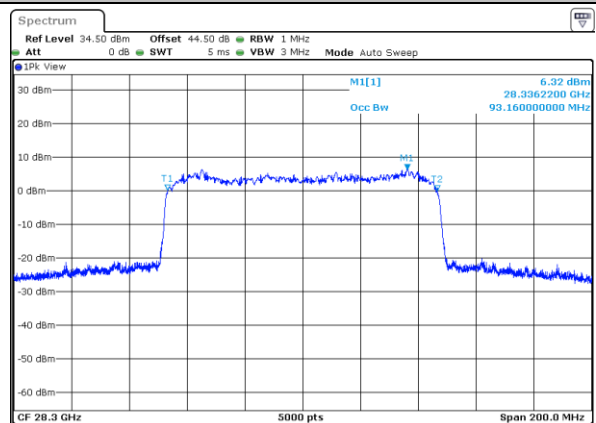
Date: 2,AUG,2020 14:36:32

Highest Channel / 50MHz / 64QAM



Date: 3,AUG,2020 14:51:06

Highest Channel / 100MHz / QPSK



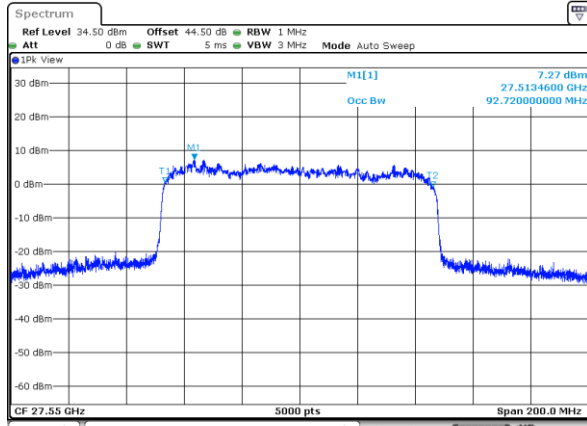
Date: 3,AUG,2020 16:59:03



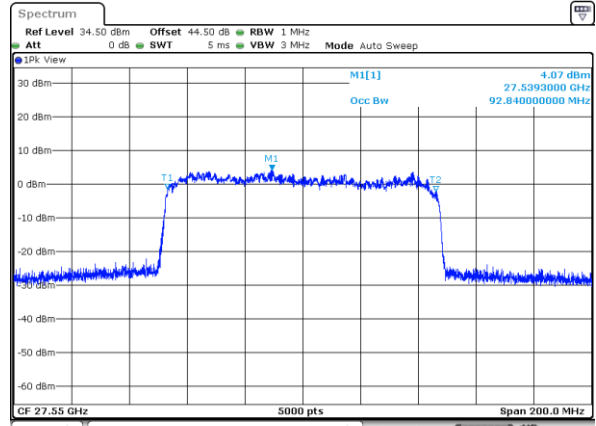
CP-OFDM Module 0

NR Band n261

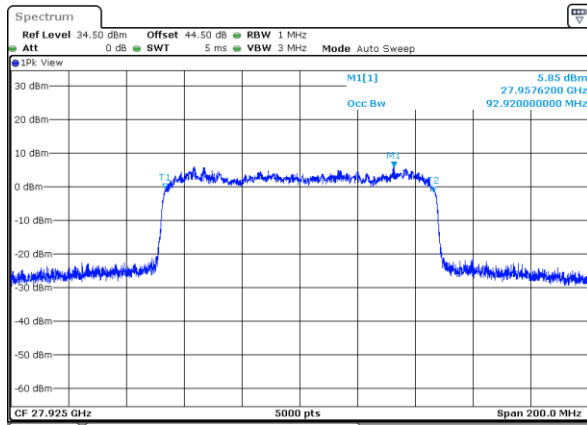
Lowest Channel / 100MHz / 16QAM



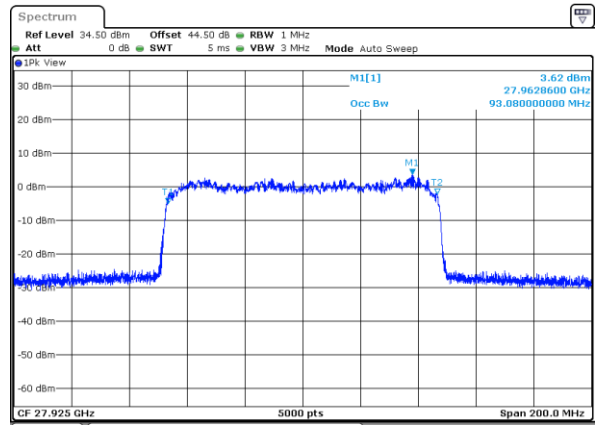
Lowest Channel / 100MHz / 64QAM



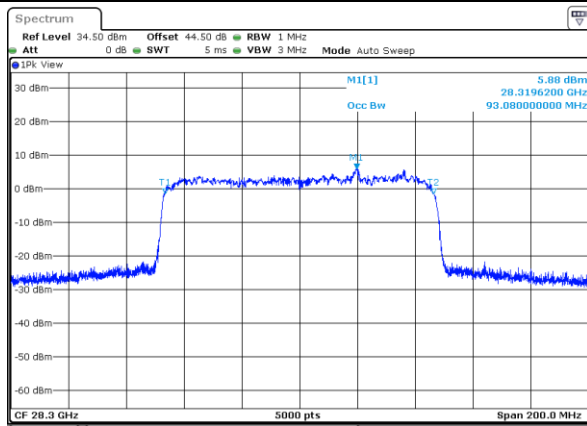
Middle Channel / 100MHz / 16QAM



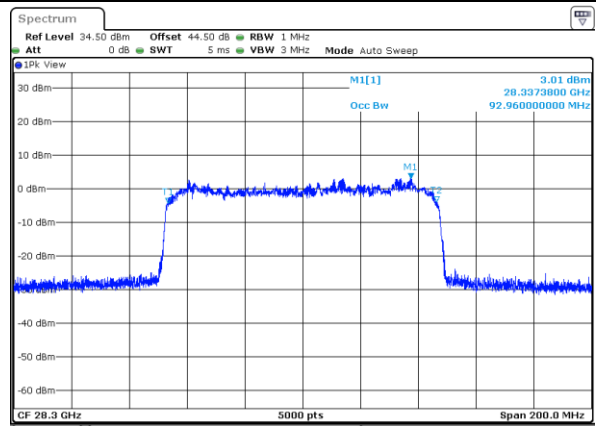
Middle Channel / 100MHz / 64QAM



Highest Channel / 100MHz / 16QAM



Highest Channel / 100MHz / 64QAM



Radiated Out of Band Emissions

Mode			DFT-s-OFDM Module 0 NR Band n261: BE (dBm) 1 RB							
BW			50MHz				100MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-19.17	-15.83	-19.61	-20.67	-20.07	-19.95	-20.97	-23.66
	>10%OB	≤ -13	-33.16	-32.77	-33	-33.73	-33.43	-32.77	-33.35	-33.8
High CH	0~10%OB	≤ -5	-30.95	-28.82	-29.53	-30.84	-25.36	-24.50	-25.19	-26.59
	>10%OB	≤ -13	-32.70	-32.78	-32.77	-32.53	-32.81	-32.48	-32.66	-32.70
Result			Compliance							

Mode			CP-OFDM Module 0 NR Band n261: BE (dBm) 1 RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-19.26	-19.37	-22.22	-22.09	-22.51	-25
	>10%OB	≤ -13	-33.35	-33.63	-33.9	-33.83	-33.69	-33.83
High CH	0~10%OB	≤ -5	-28.74	-28.71	-30.60	-27.36	-26.71	-29.02
	>10%OB	≤ -13	-32.85	-32.93	-32.83	-32.69	-32.67	-32.75
Result			Compliance					

Mode			DFT-s-OFDM Module 0 NR Band n261: BE (dBm) Full RB							
BW			50MHz				100MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-28.53	-25.96	-26.67	-29.34	-29.72	-27.76	-28.89	-30.89
	>10%OB	≤ -13	-31.62	-27.42	-28.58	-30.8	-32.83	-29.16	-30.04	-31.65
High CH	0~10%OB	≤ -5	-32.37	-29.5	-31.2	-31.53	-33.73	-32	-32.58	-33.78
	>10%OB	≤ -13	-32.91	-31.5	-32.4	-32.89	-32.83	-32.68	-32.63	-32.9
Result			Compliance							

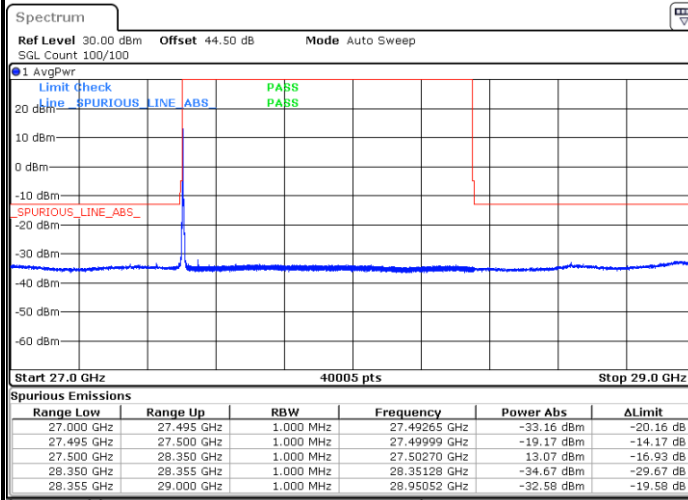
Mode			CP-OFDM Module 0 NR Band n261: BE (dBm) Full RB					
BW			50MHz			100MHz		
Limit (dBm)			QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
Low CH	0~10%OB	≤ -5	-26.09	-26.97	-30.46	-28.16	-29.58	-32.07
	>10%OB	≤ -13	-27.72	-29.33	-31.93	-29.61	-30.79	-32.68
High CH	0~10%OB	≤ -5	-30.06	-31.13	-33.09	-30.58	-31.58	-33.2
	>10%OB	≤ -13	-32.16	-32.95	-32.97	-32.39	-32.68	-32.92
Result			Compliance					



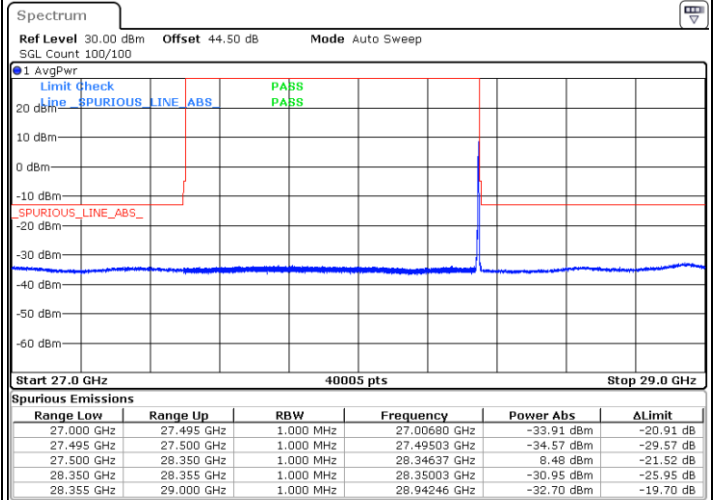
DFT-s-OFDM Module 0

NR Band n261/ 50MHz / BPSK

Lowest Band Edge / 1 RB

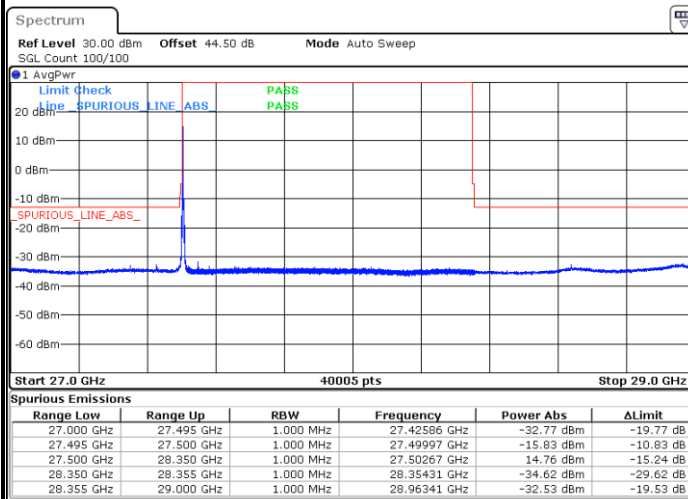


Highest Band Edge / 1 RB

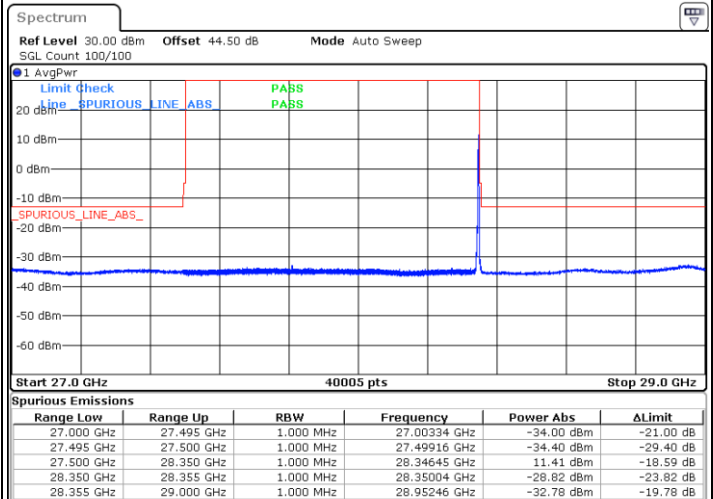


NR Band n261/ 50MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

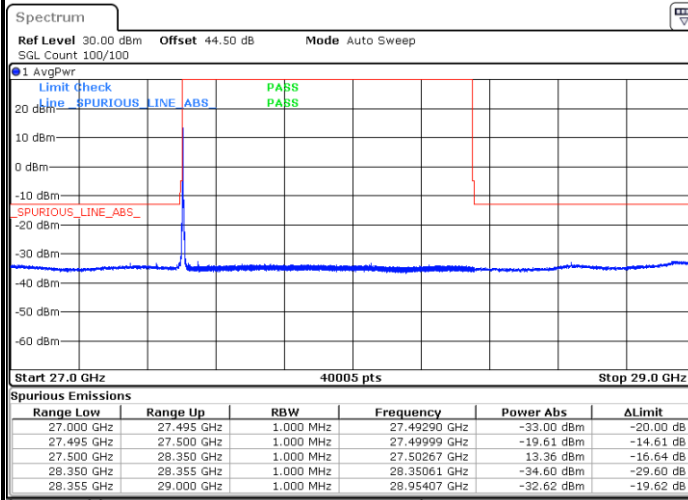




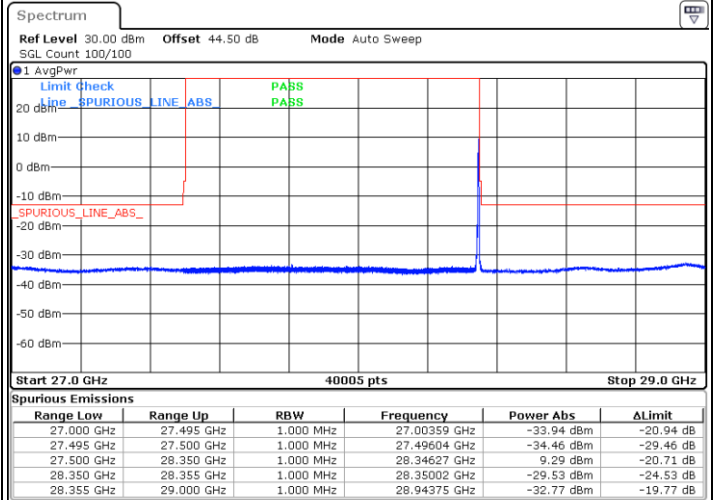
DFT-s-OFDM Module 0

NR Band n261/ 50MHz / 16QAM

Lowest Band Edge / 1 RB

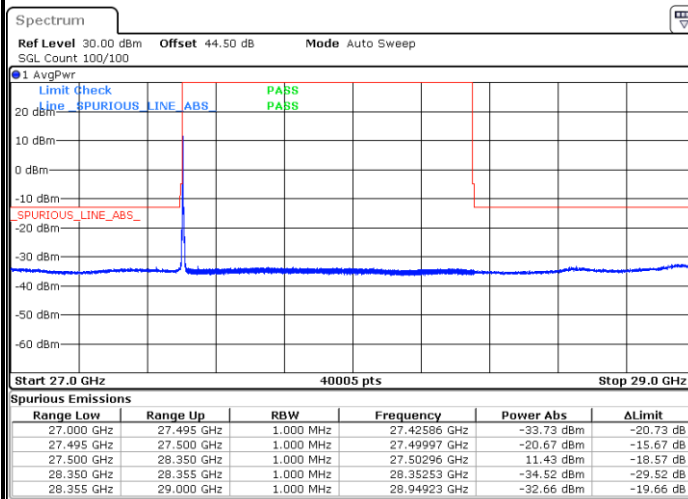


Highest Band Edge / 1 RB

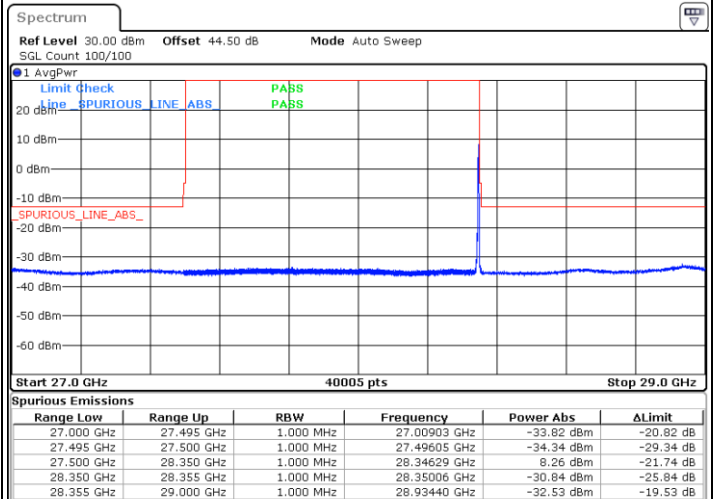


NR Band n261/ 50MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

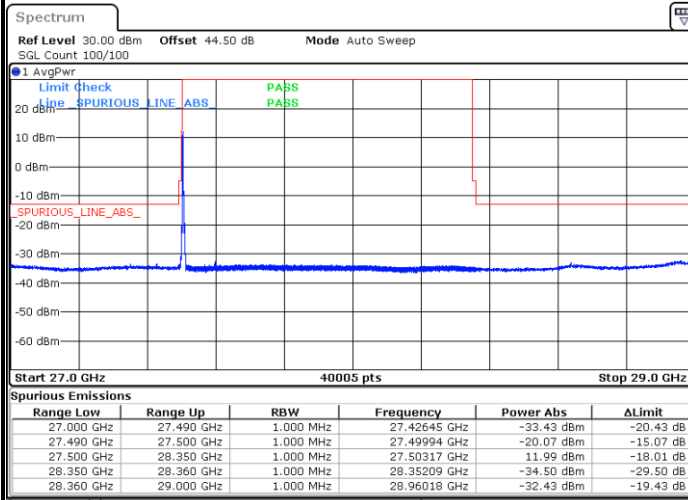




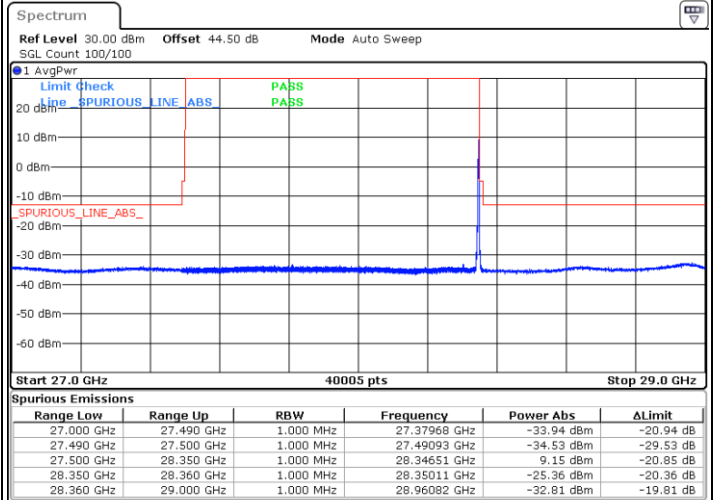
DFT-s-OFDM Module 0

NR Band n261/ 100MHz / BPSK

Lowest Band Edge / 1 RB

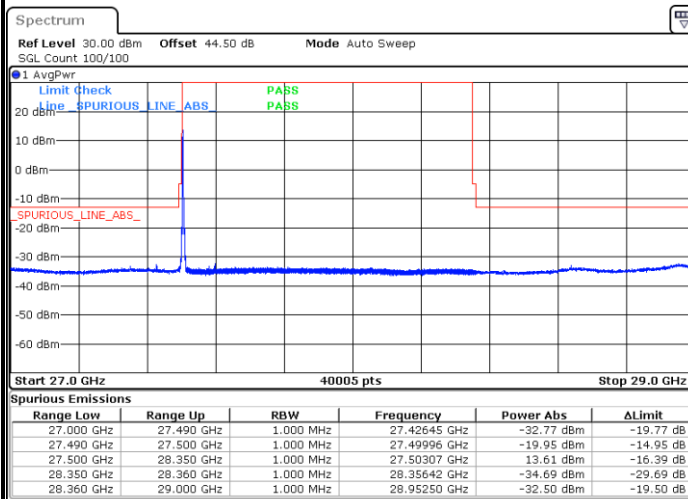


Highest Band Edge / 1 RB

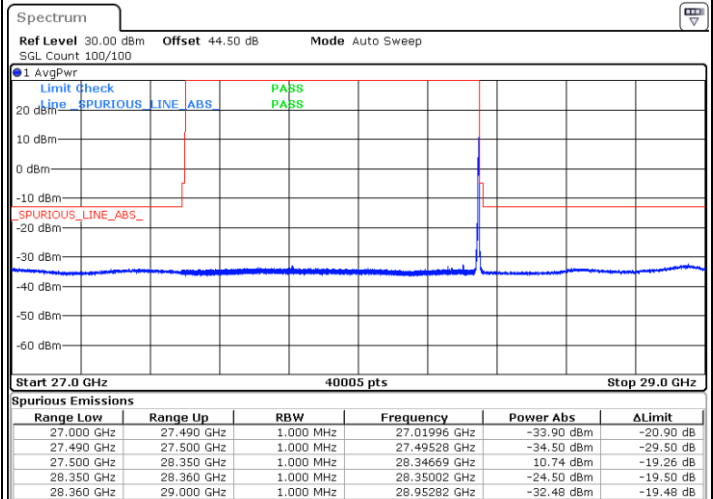


NR Band n261/ 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

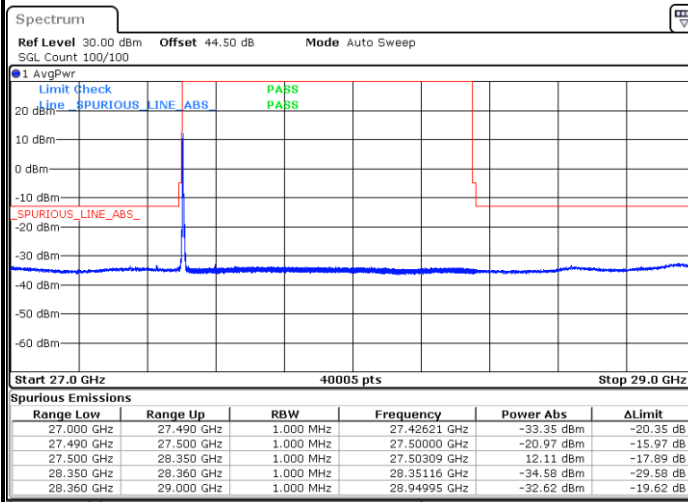




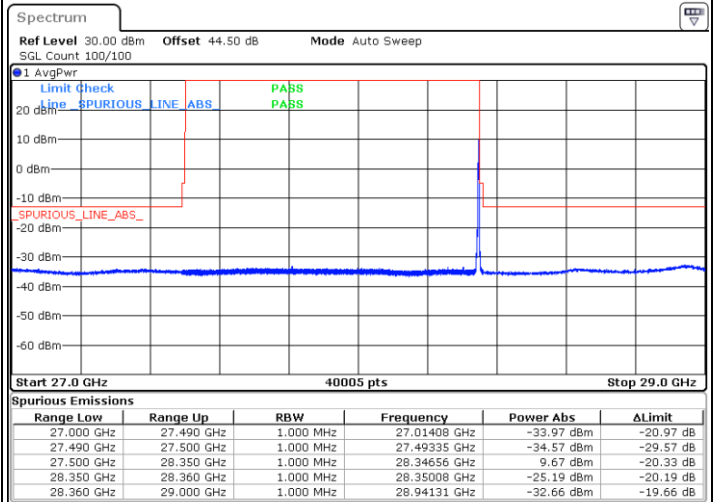
DFT-s-OFDM Module 0

NR Band n261/ 100MHz / 16QAM

Lowest Band Edge / 1 RB

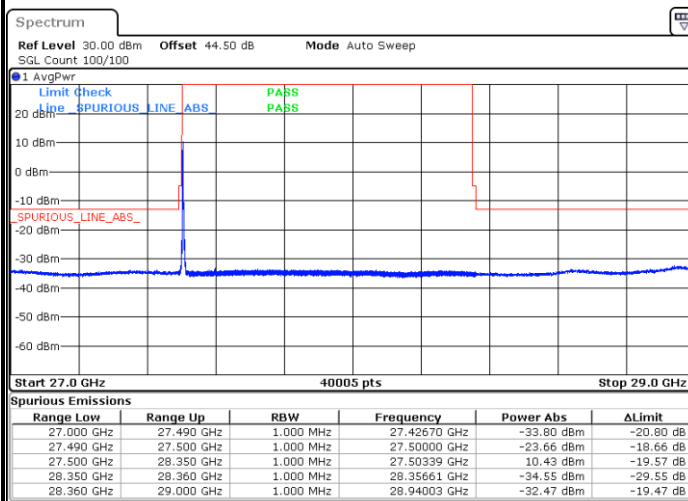


Highest Band Edge / 1 RB

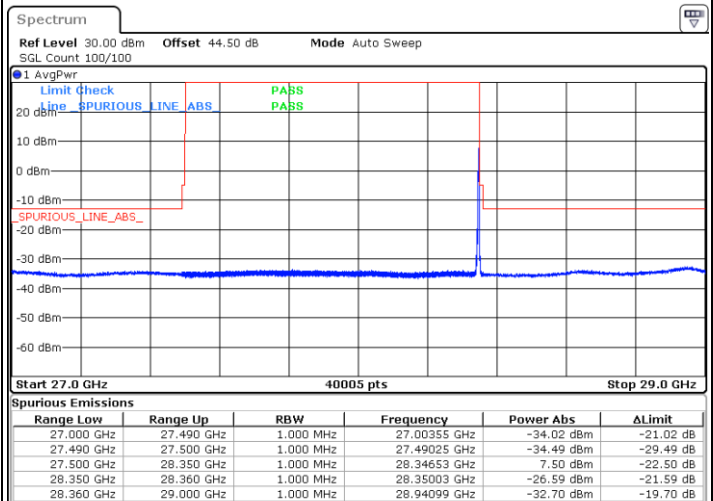


NR Band n261/ 100MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

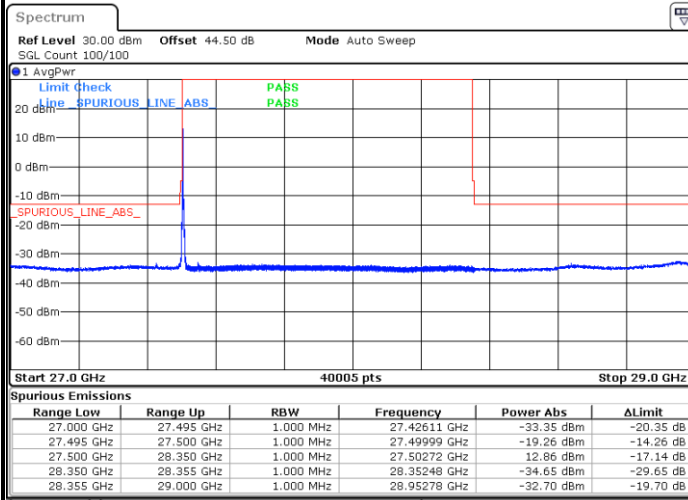




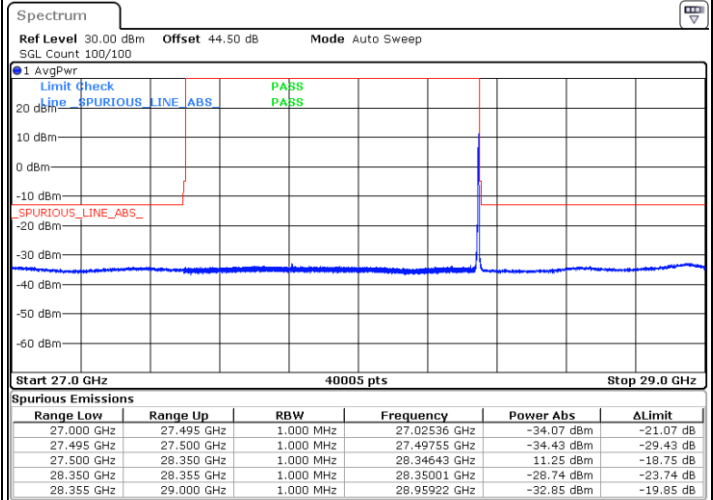
CP-OFDM Module 0

NR Band n261/ 50MHz / QPSK

Lowest Band Edge / 1 RB

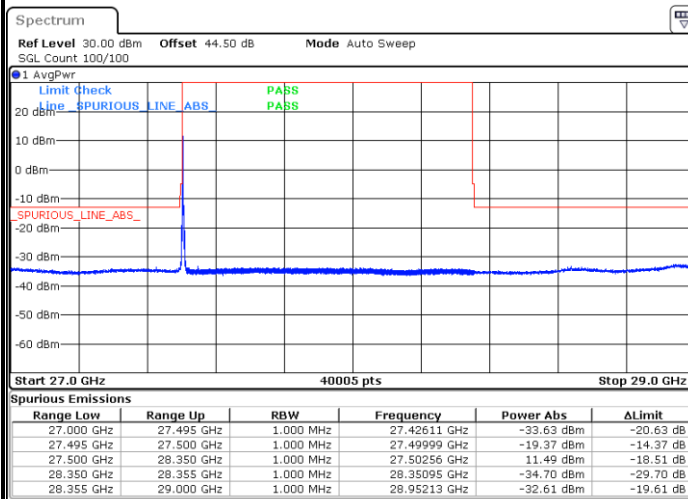


Highest Band Edge / 1 RB

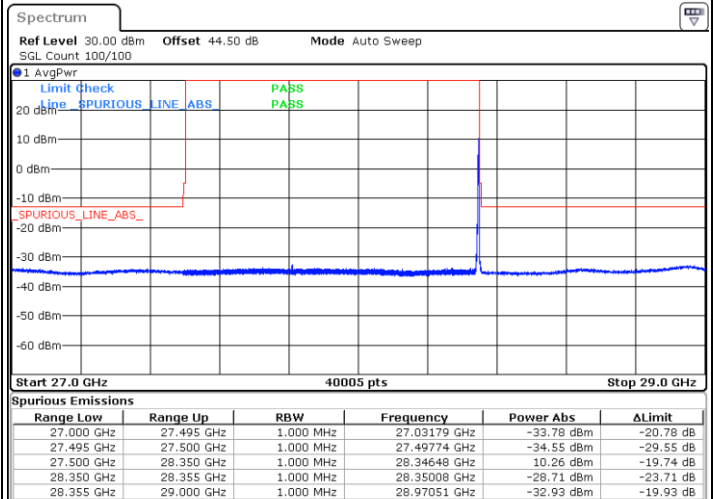


NR Band n261/ 50MHz / 16QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

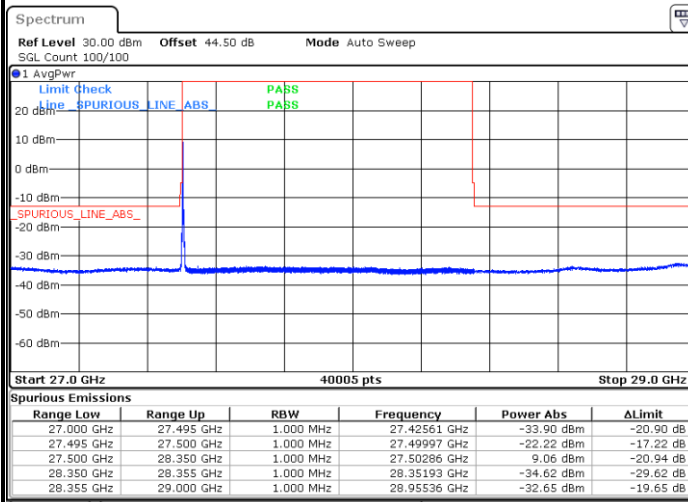




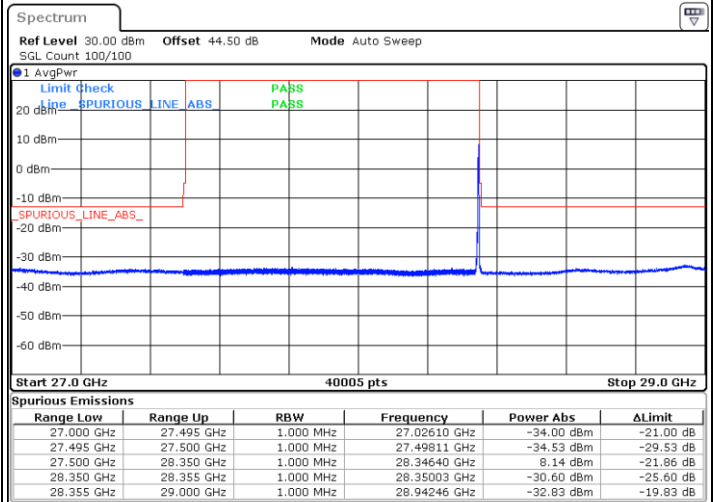
CP-OFDM Module 0

NR Band n261/ 50MHz / 64QAM

Lowest Band Edge / 1 RB

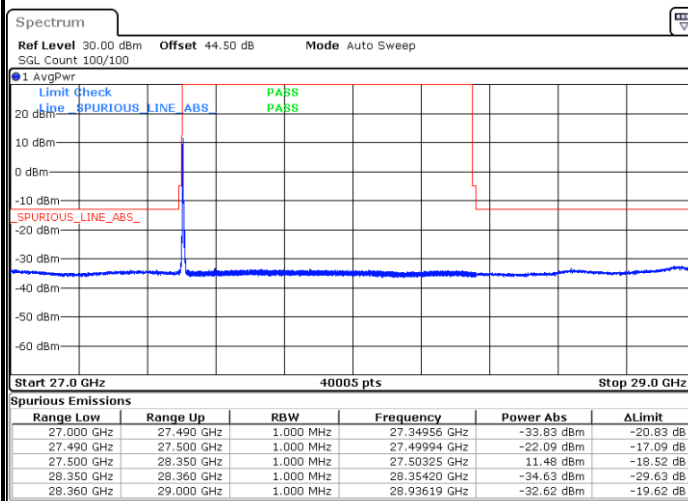


Highest Band Edge / 1 RB

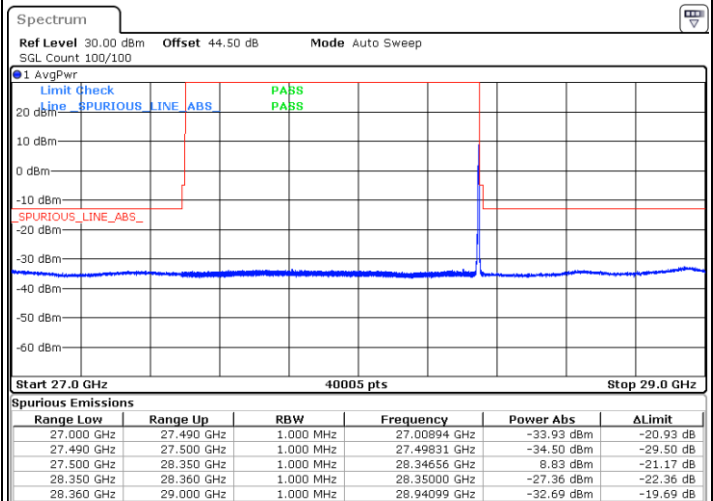


NR Band n261/ 100MHz / QPSK

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

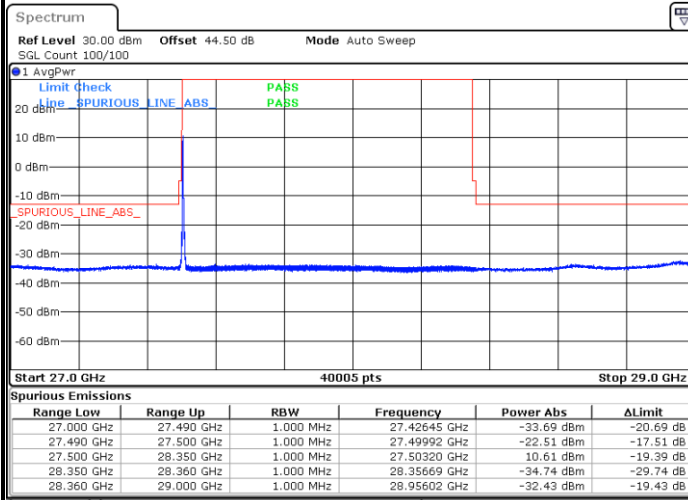




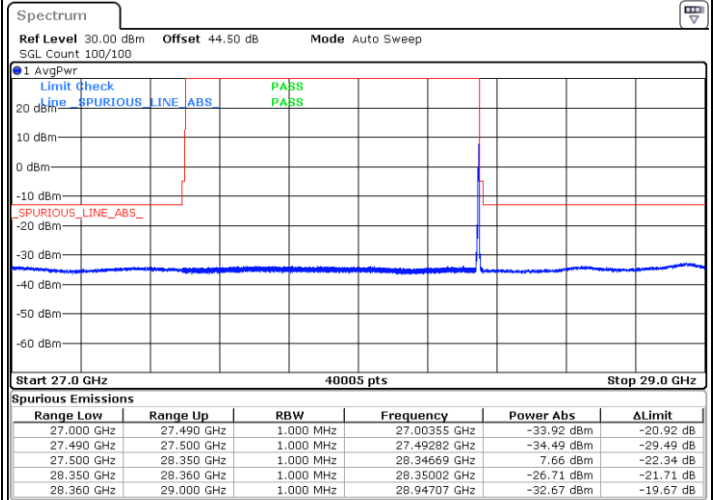
CP-OFDM Module 0

NR Band n261/ 100MHz / 16QAM

Lowest Band Edge / 1 RB

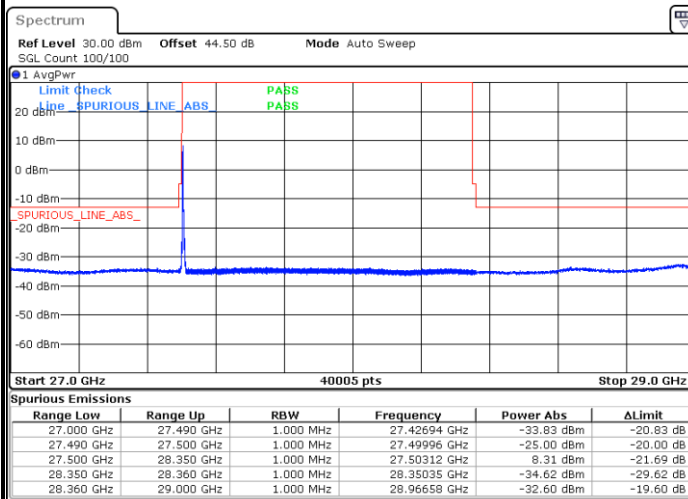


Highest Band Edge / 1 RB

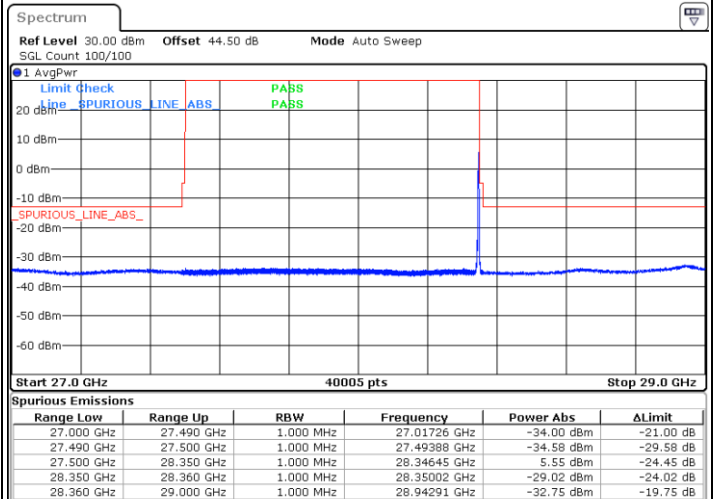


NR Band n261/ 100MHz / 64QAM

Lowest Band Edge / 1 RB



Highest Band Edge / 1 RB

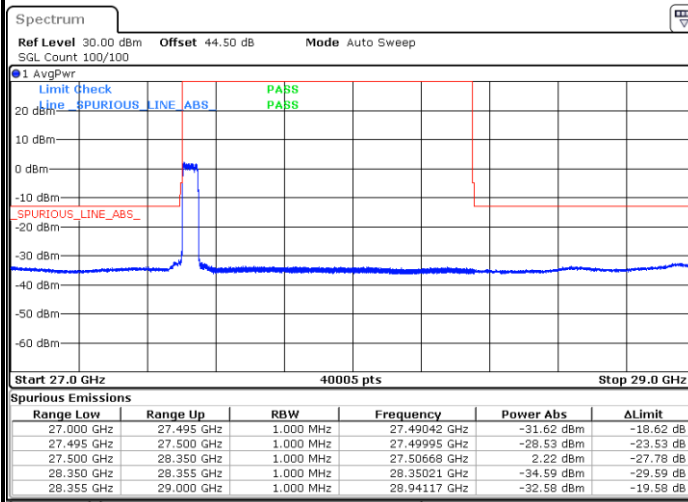




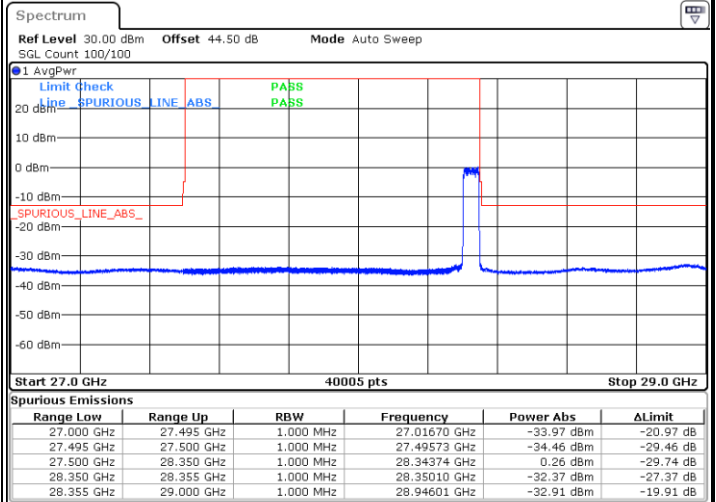
DFT-s-OFDM Module 0

NR Band n261/ 50MHz / BPSK

Lowest Band Edge / Full RB

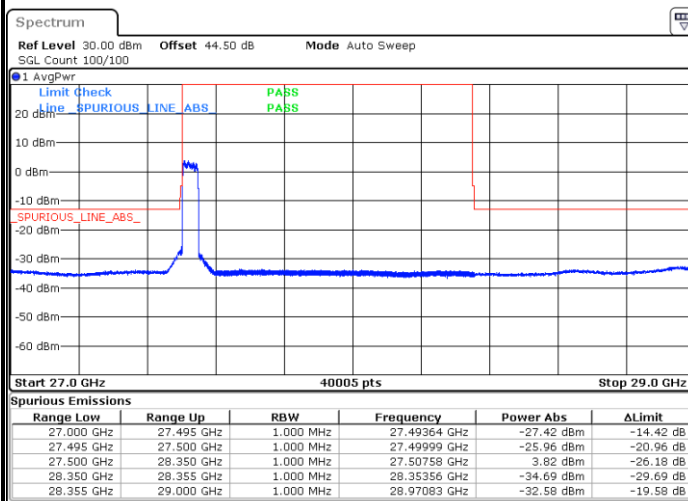


Highest Band Edge / Full RB

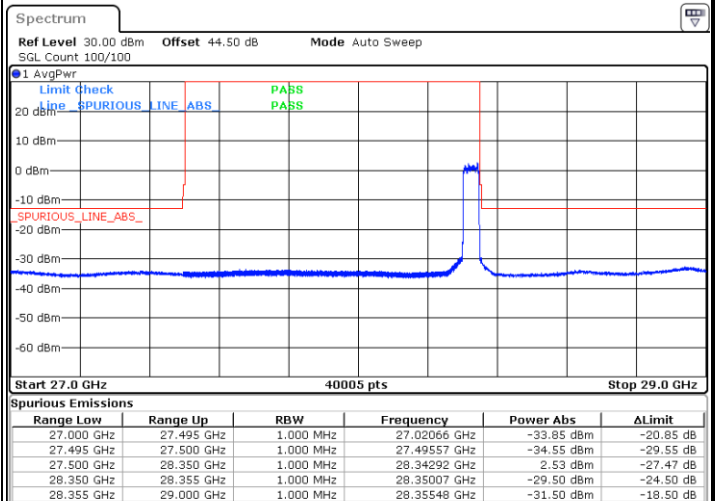


NR Band n261/ 50MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

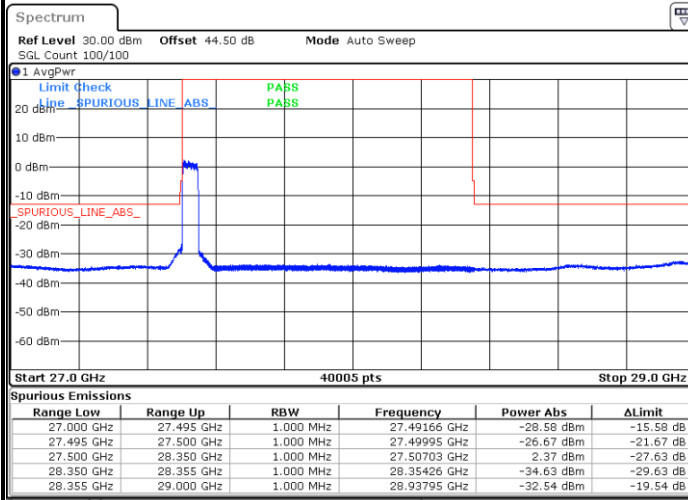




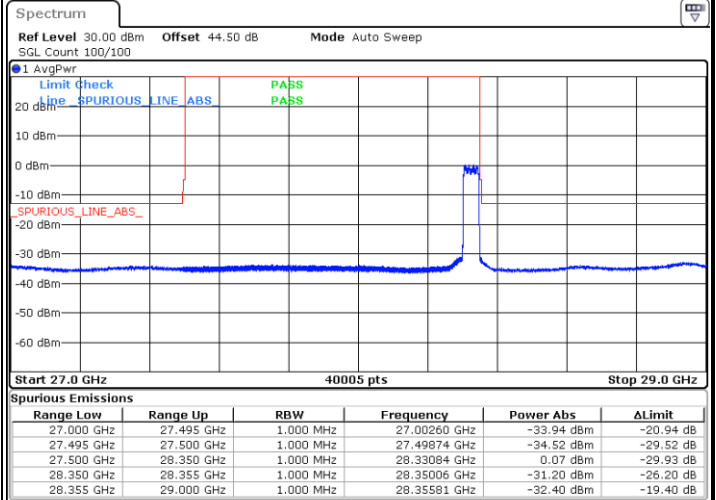
DFT-s-OFDM Module 0

NR Band n261/ 50MHz / 16QAM

Lowest Band Edge / Full RB

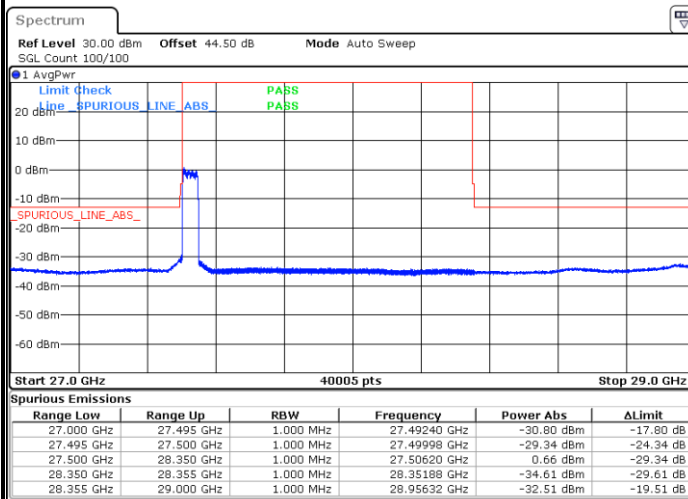


Highest Band Edge / Full RB

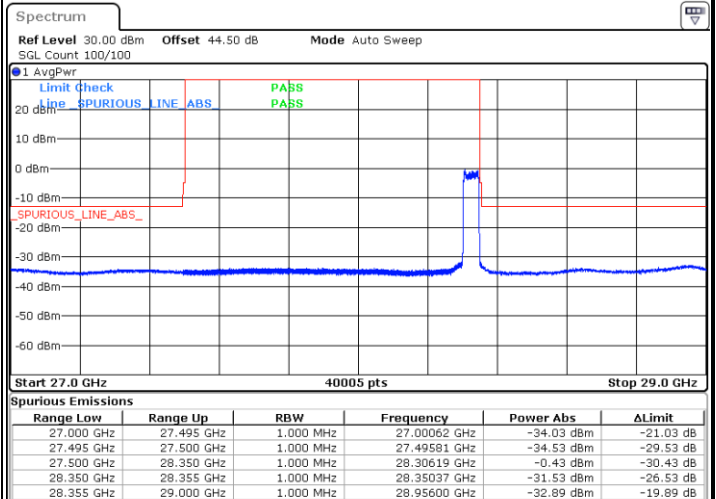


NR Band n261/ 50MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

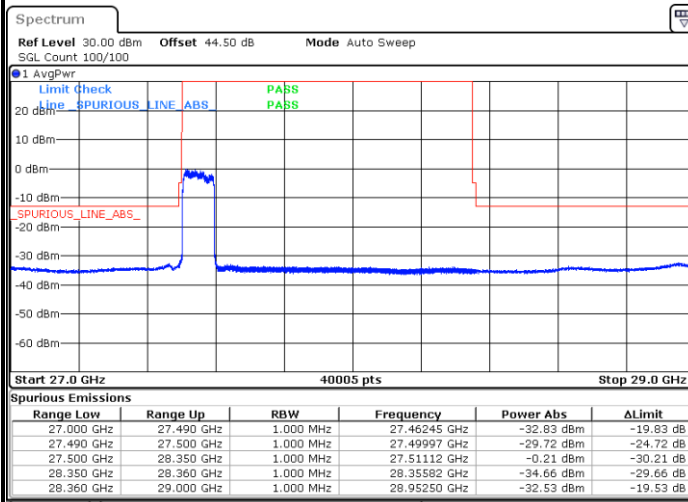




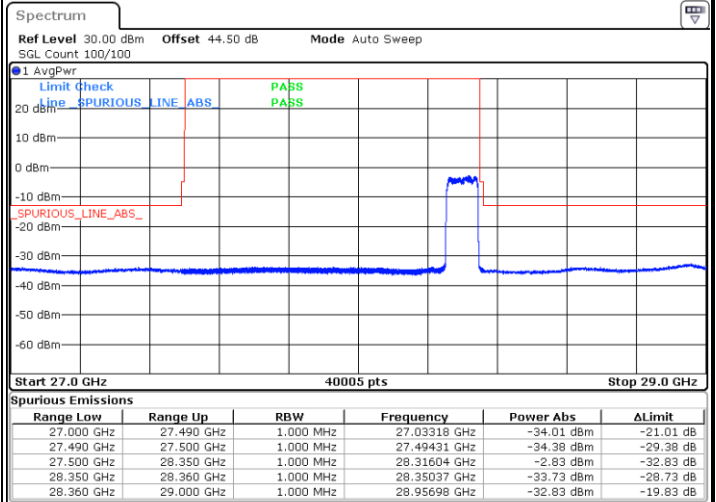
DFT-s-OFDM Module 0

NR Band n261/ 100MHz / BPSK

Lowest Band Edge / Full RB

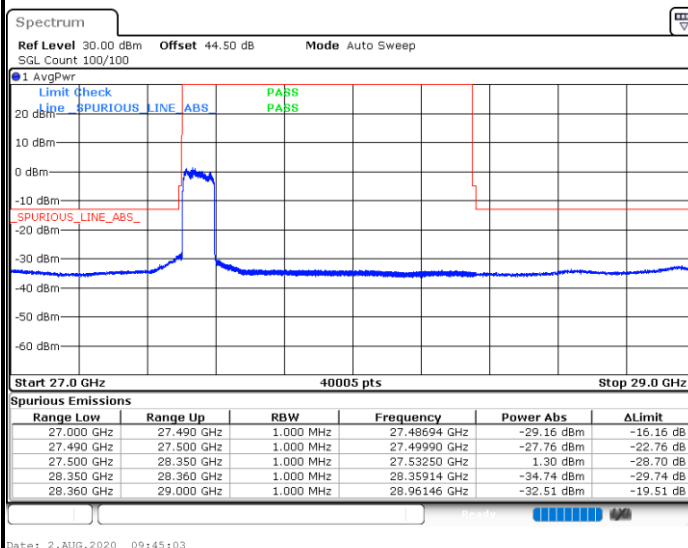


Highest Band Edge / Full RB

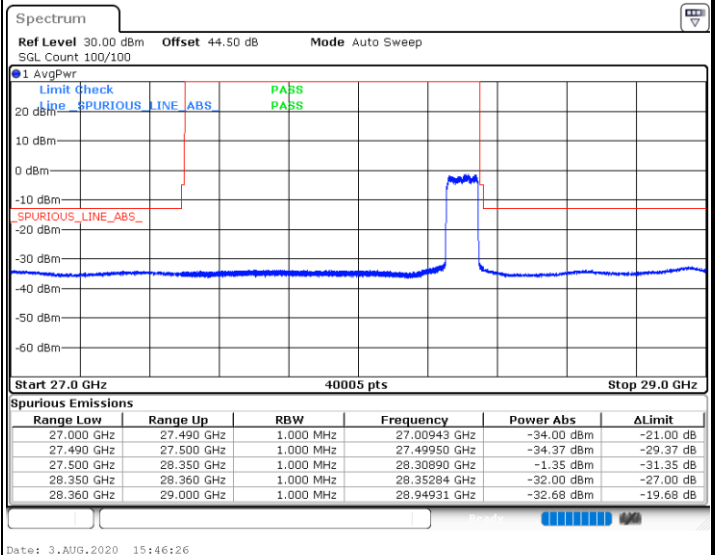


NR Band n261/ 100MHz / QPSK

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

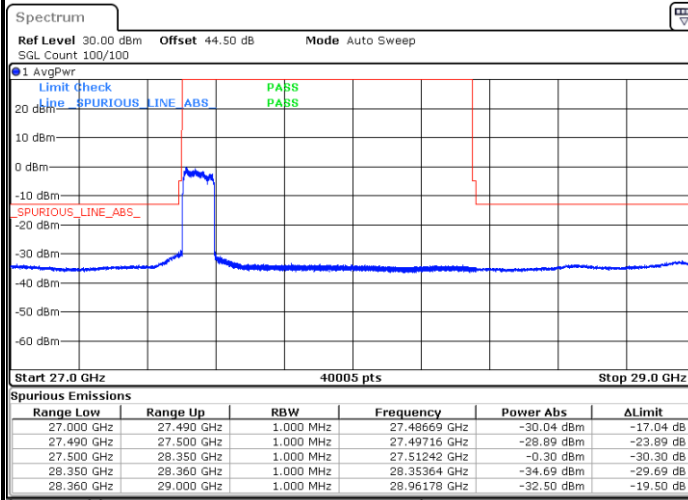




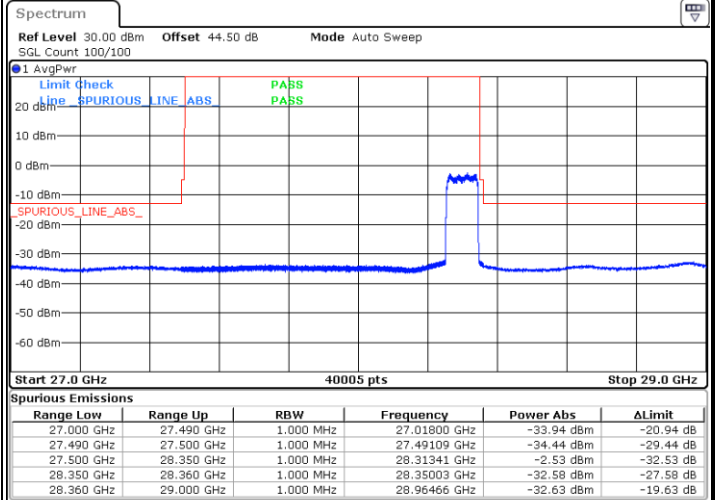
DFT-s-OFDM Module 0

NR Band n261/ 100MHz / 16QAM

Lowest Band Edge / Full RB

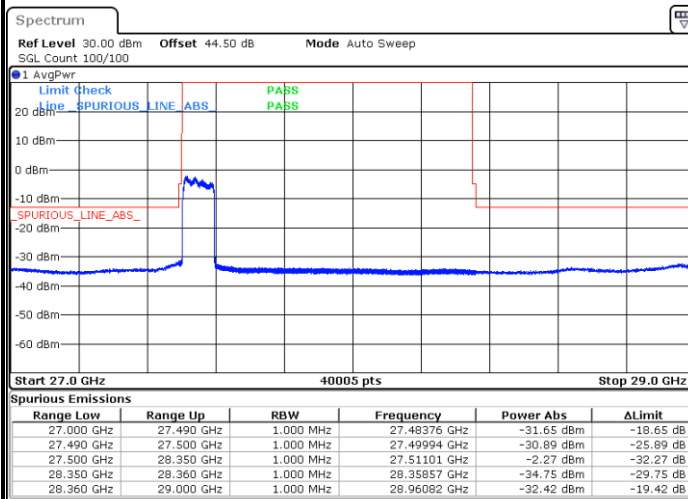


Highest Band Edge / Full RB

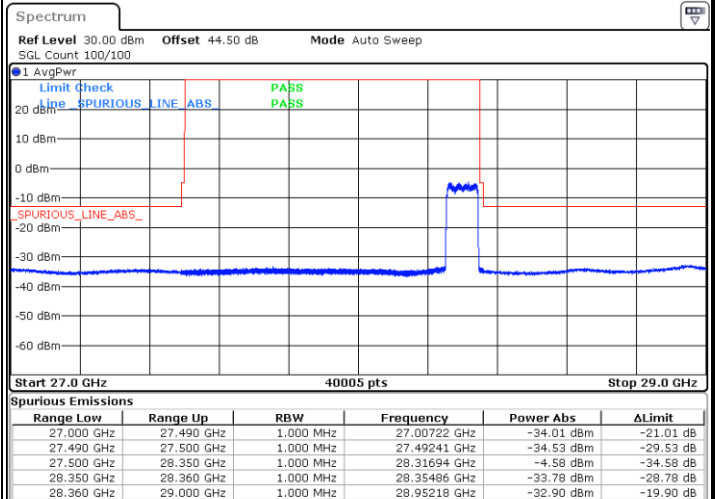


NR Band n261/ 100MHz / 64QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

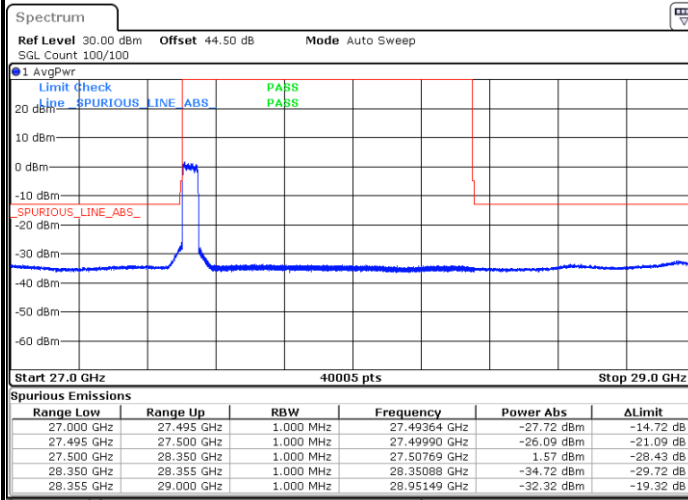




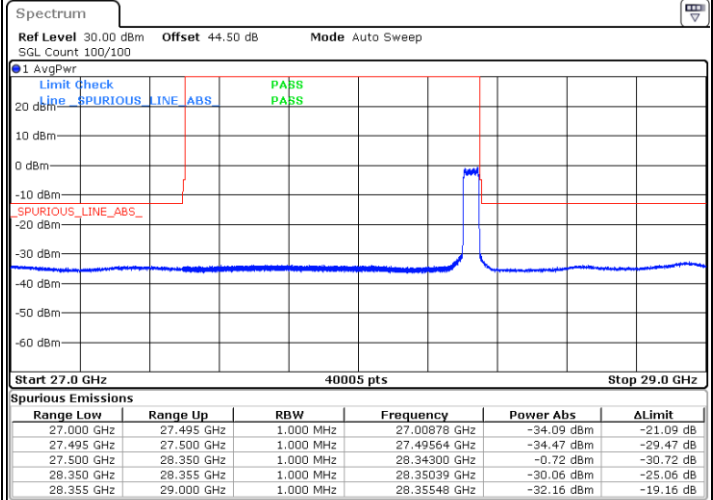
CP-OFDM Module 0

NR Band n261/ 50MHz / QPSK

Lowest Band Edge / Full RB

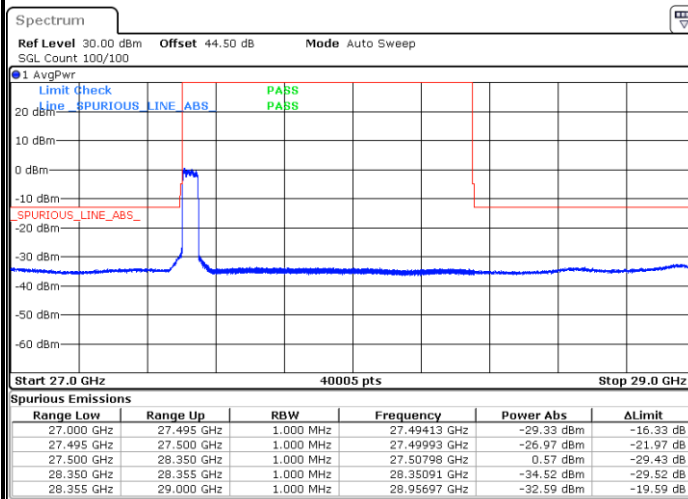


Highest Band Edge / Full RB



NR Band n261/ 50MHz / 16QAM

Lowest Band Edge / Full RB



Highest Band Edge / Full RB

