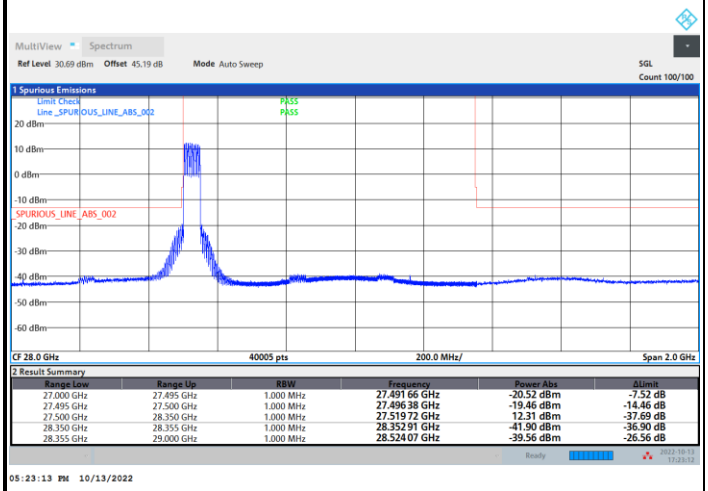
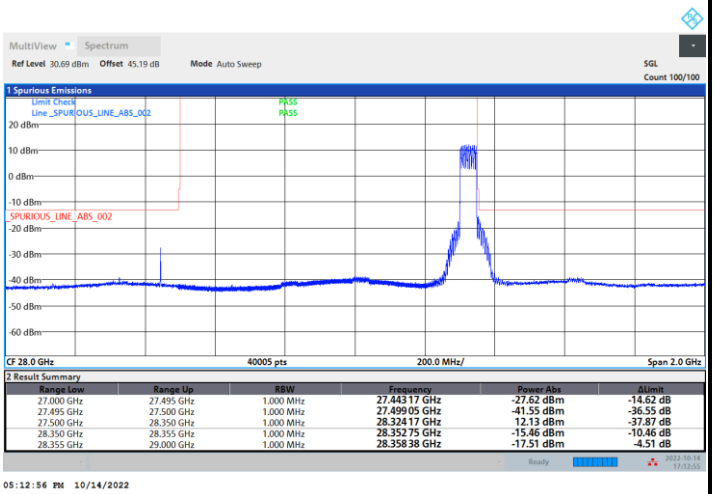
CP-OFDM Module 0

NR Band n261 / 50MHz / QPSK

Lowest Band Edge / Full RB

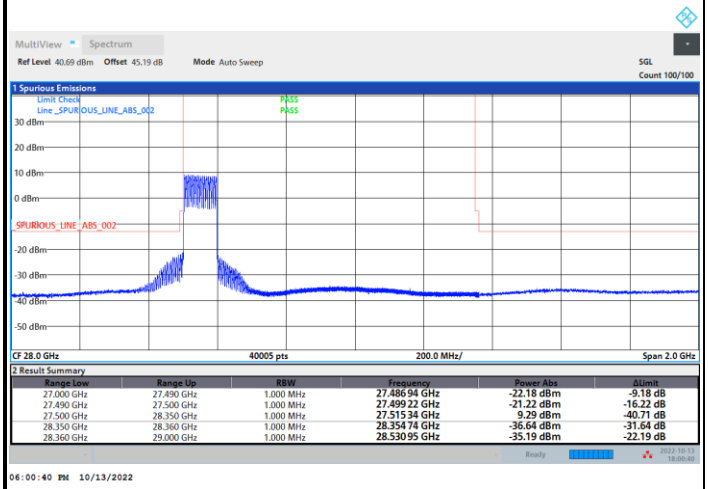


Highest Band Edge / Full RB

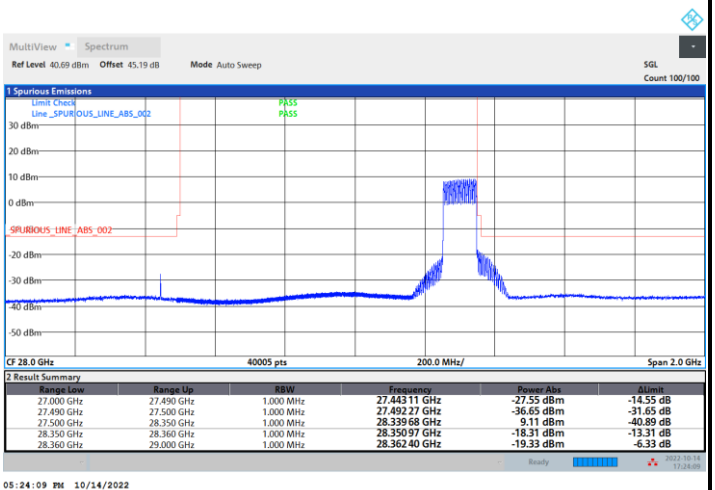


NR Band n261 / 100MHz / QPSK

Lowest Band Edge / Full RB



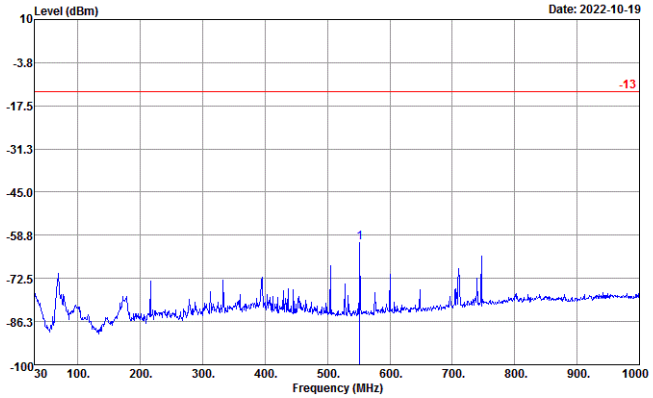
Highest Band Edge / Full RB



Spurious Emission

NR Band n261 (30MHz-1GHz)

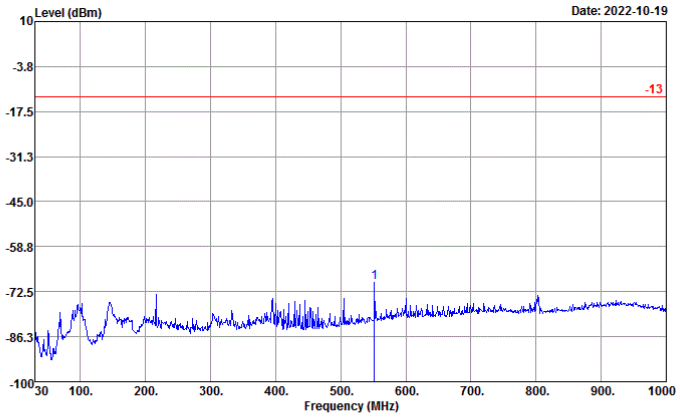
Horizontal



Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL
Project : 190614-06
: n261 M0

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	551.86	-60.99	-47.99	-13.00	-62.18

Vertical

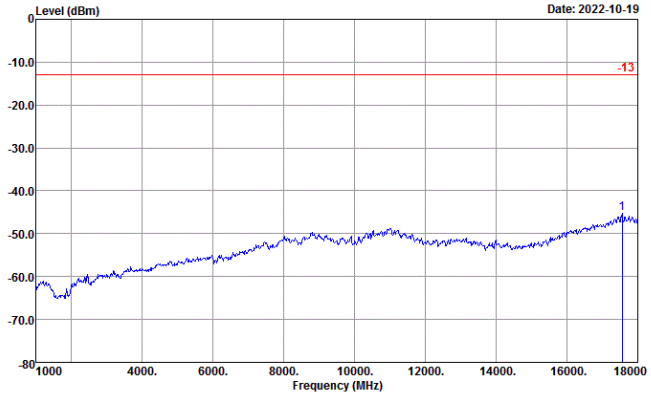


Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL
Project : 190614-06
: n261 M0

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	551.86	-69.56	-56.56	-13.00	-73.47

NR Band n261 (1GHz-18GHz)

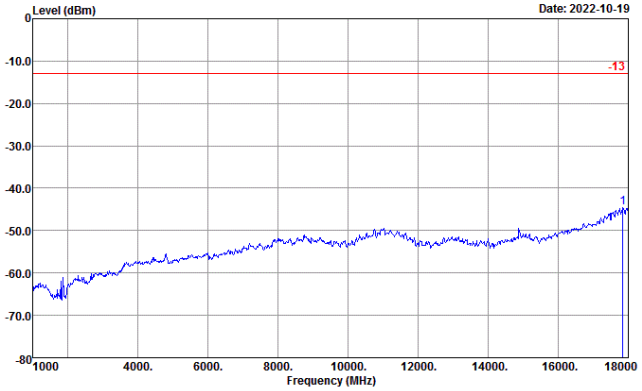
Horizontal



Site : 03CH10-HY
Condition : -13 EIRP_WO HORIZONTAL
Project : 190614-06
: n261 M0

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	17558.00	-45.34	-32.34	-13.00	-59.42

Vertical

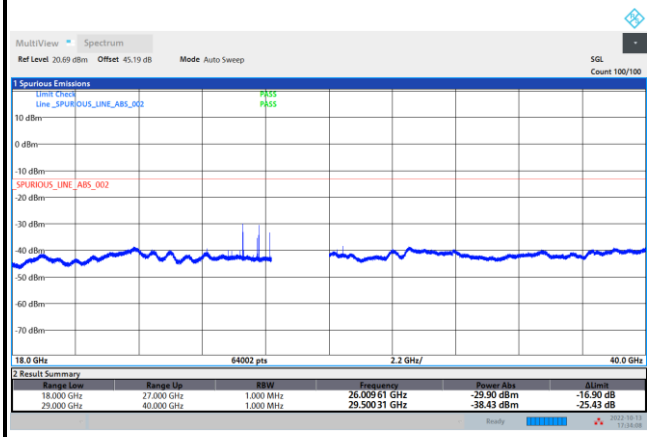
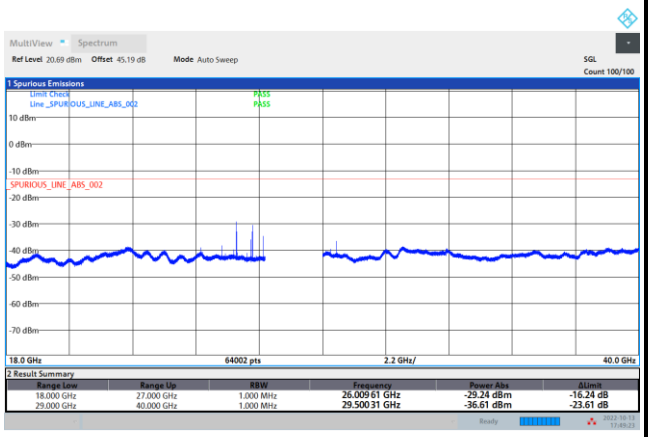
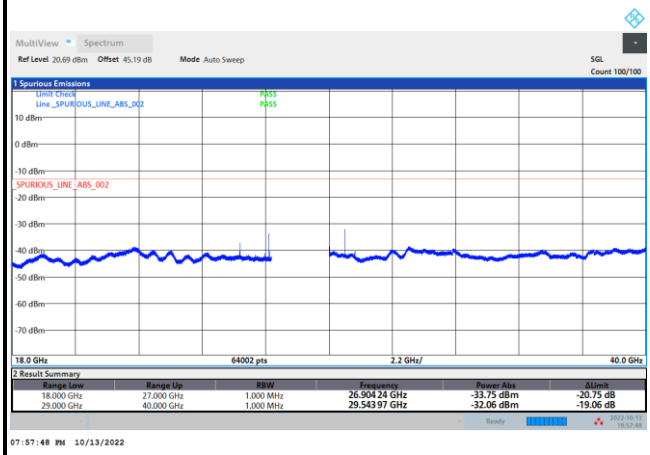
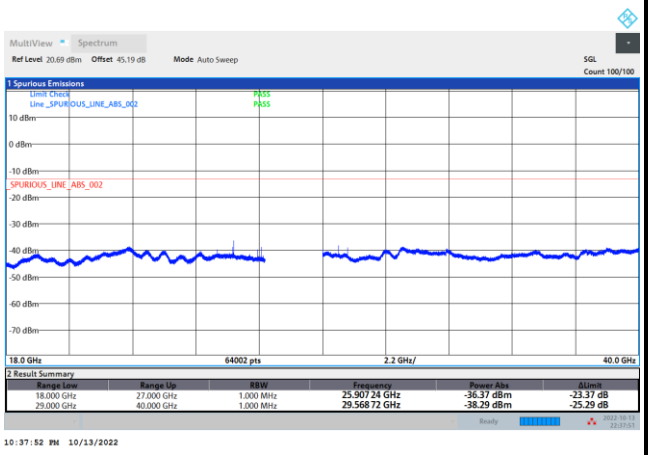
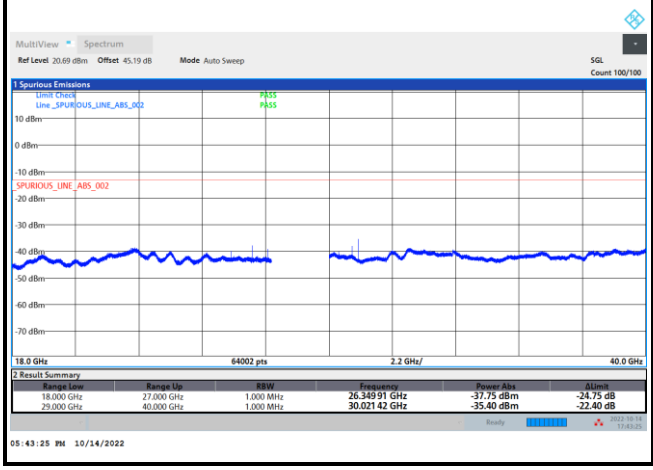
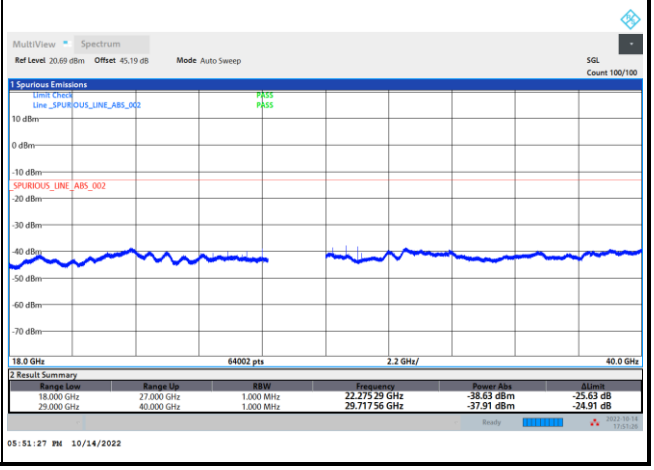


Site : 03CH10-HY
Condition : -13 EIRP_WO VERTICAL
Project : 190614-06
: n261 M0

	Freq	Level	Over Limit	Limit Line	Read Level
	MHz	dBm	dB	dBm	dBm
1	17847.00	-44.48	-31.48	-13.00	-61.12

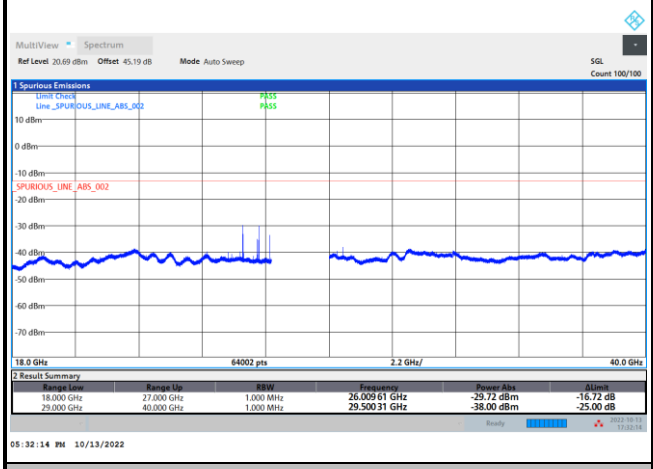
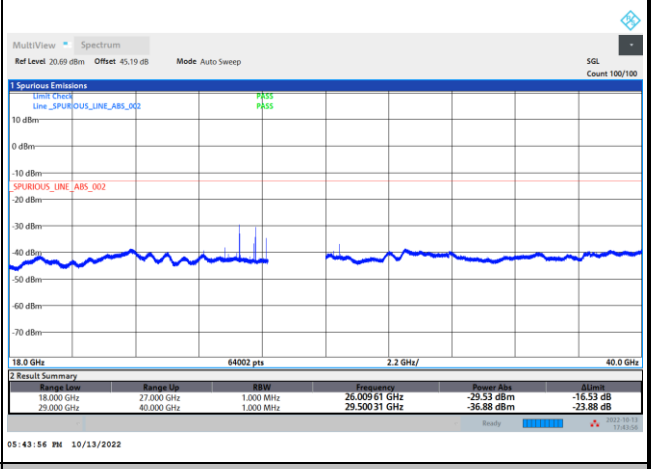
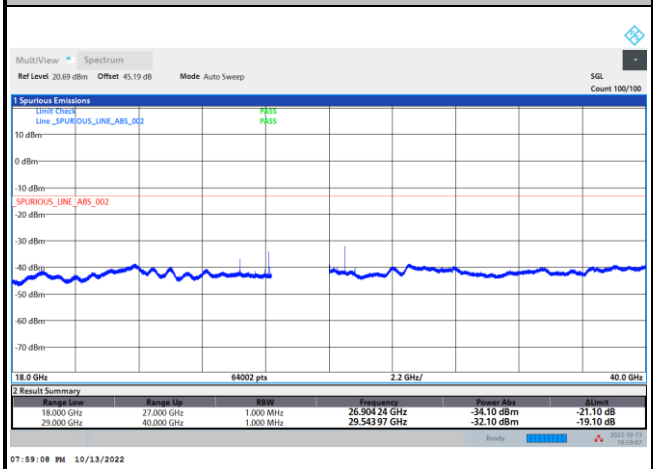
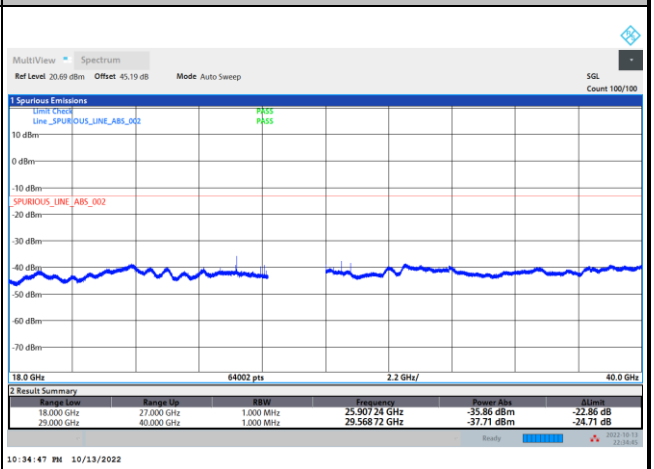
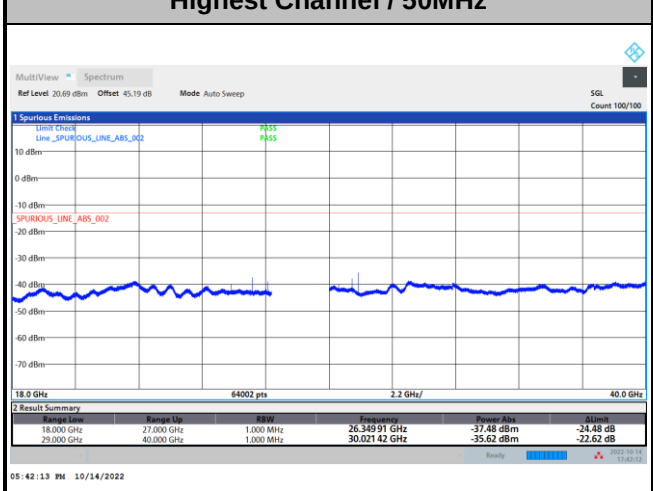
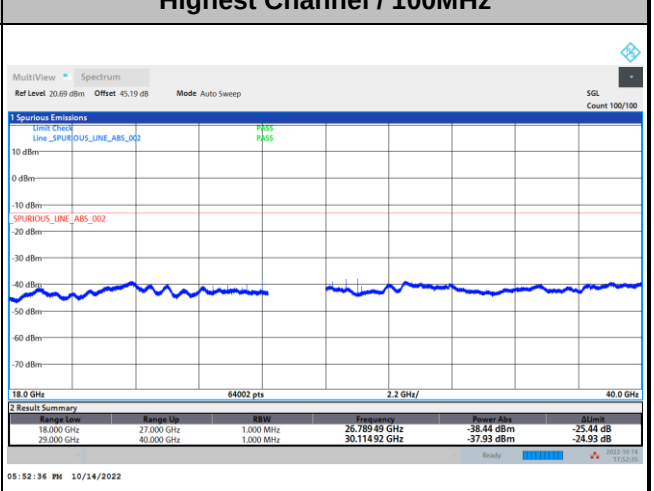
Spurious emission between 18GHz to 40GHz worst case plot is reported as following.

DFT-s-OFDM Module 0

NR Band n261 BPSK (18-40GHz)	
Lowest Channel / 50MHz	**Lowest Channel / 100MHz**
	
Middle Channel / 50MHz	**Middle Channel / 100MHz**
	
Highest Channel / 50MHz	**Highest Channel / 100MHz**
	

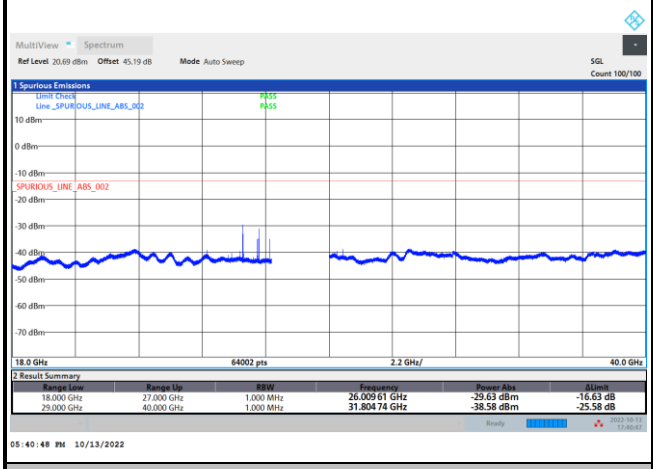
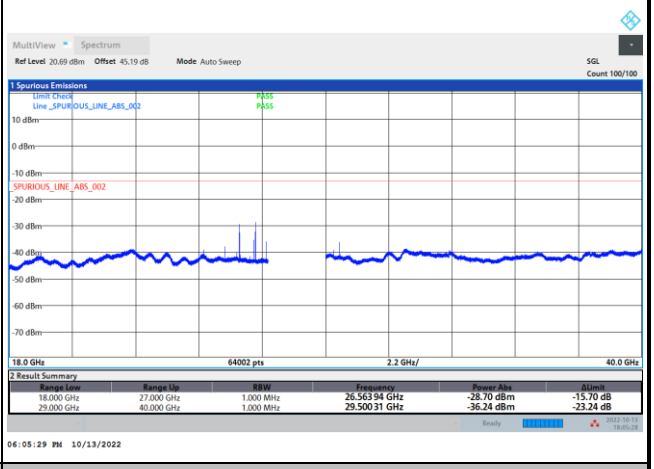
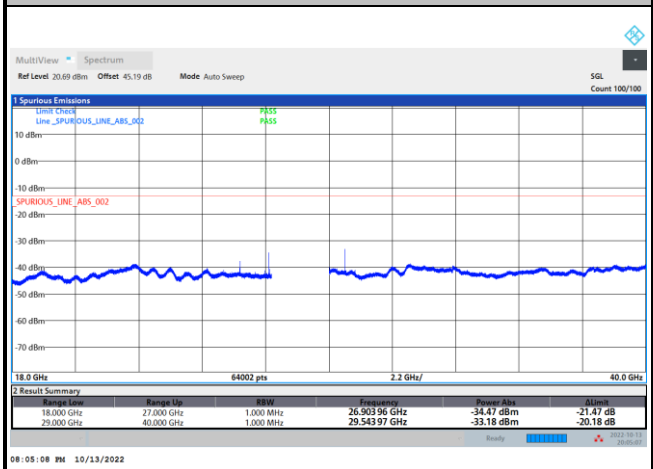
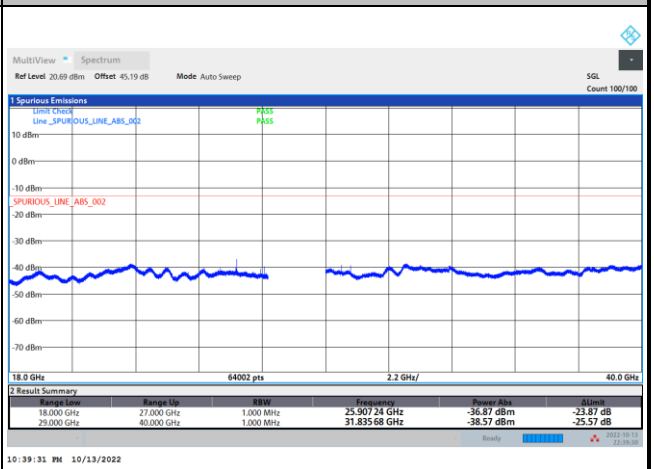
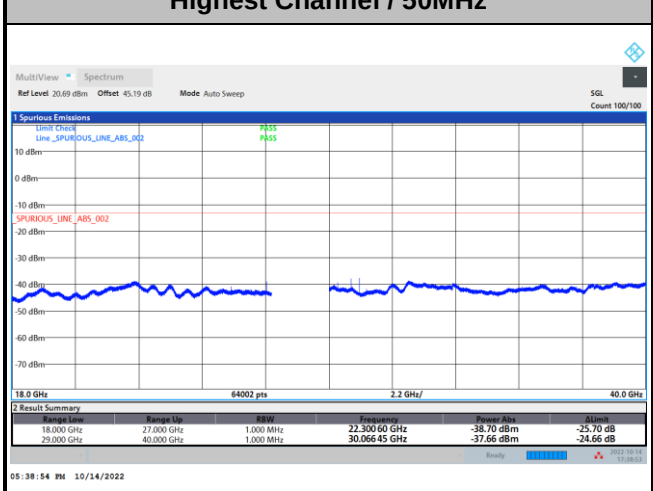
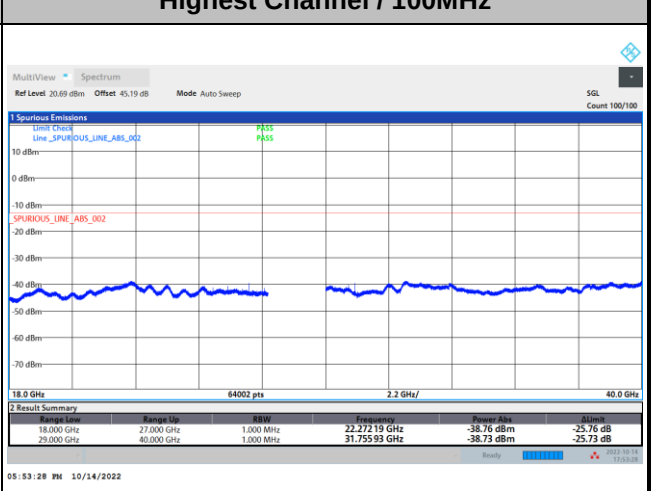
Remark: In band and out of band frequencies are omitted.

DFT-s-OFDM Module 0

NR Band n261 QPSK (18-40GHz)	
Lowest Channel / 50MHz	**Lowest Channel / 100MHz**
	
Middle Channel / 50MHz	**Middle Channel / 100MHz**
	
Highest Channel / 50MHz	**Highest Channel / 100MHz**
	

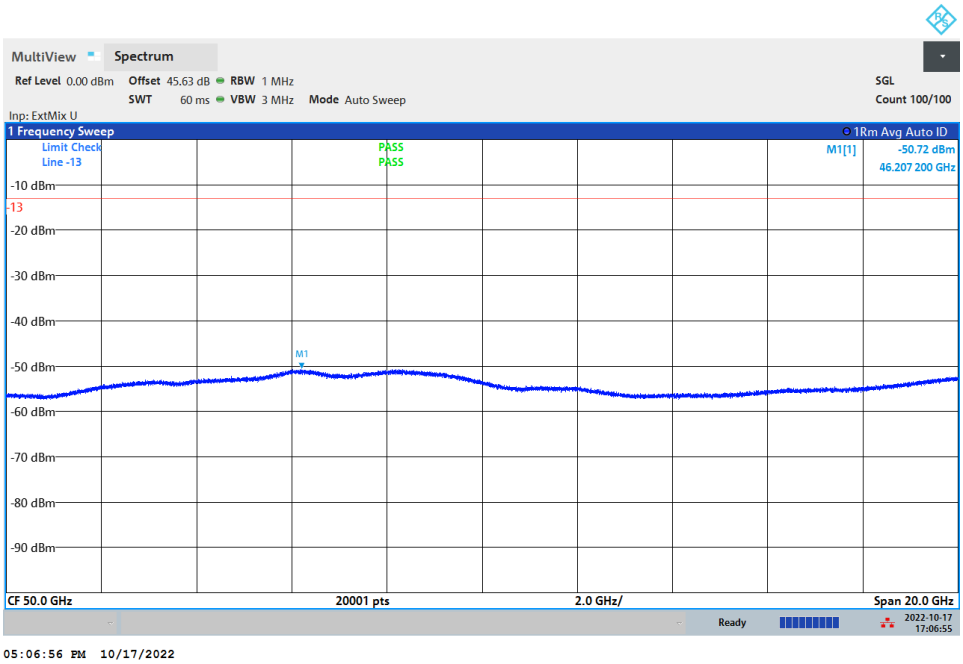
Remark: In band and out of band frequencies are omitted.

CP-OFDM Module 0

NR Band n261 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.

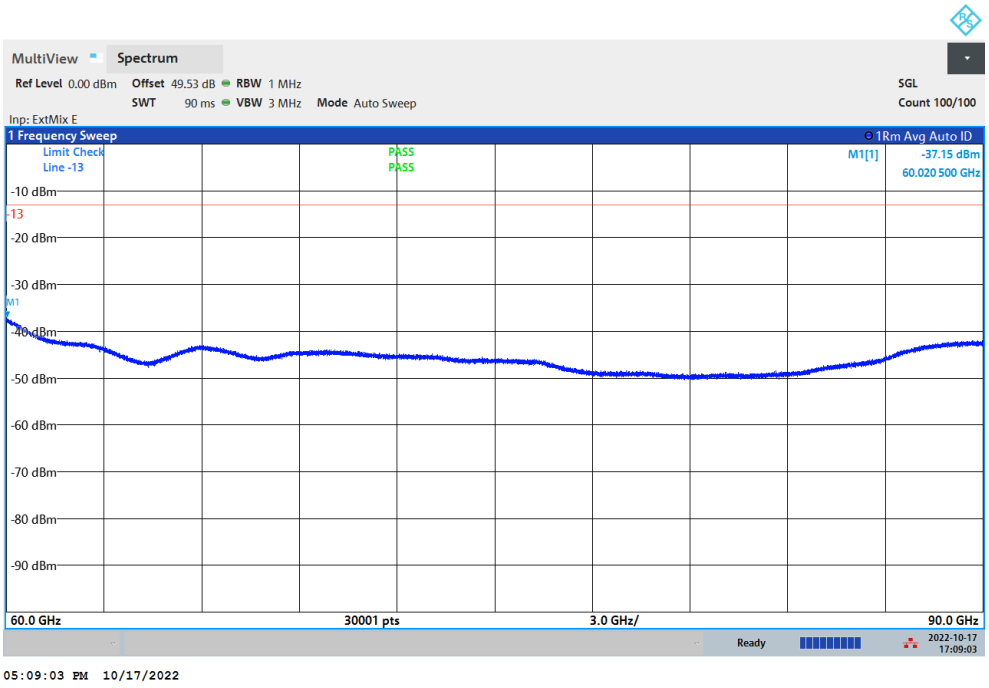
NR Band n261
(40GHz-60GHz)



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

= 43 + 0.43 + 107 + 20log(1) – 104.8 = 45.63 (dB)

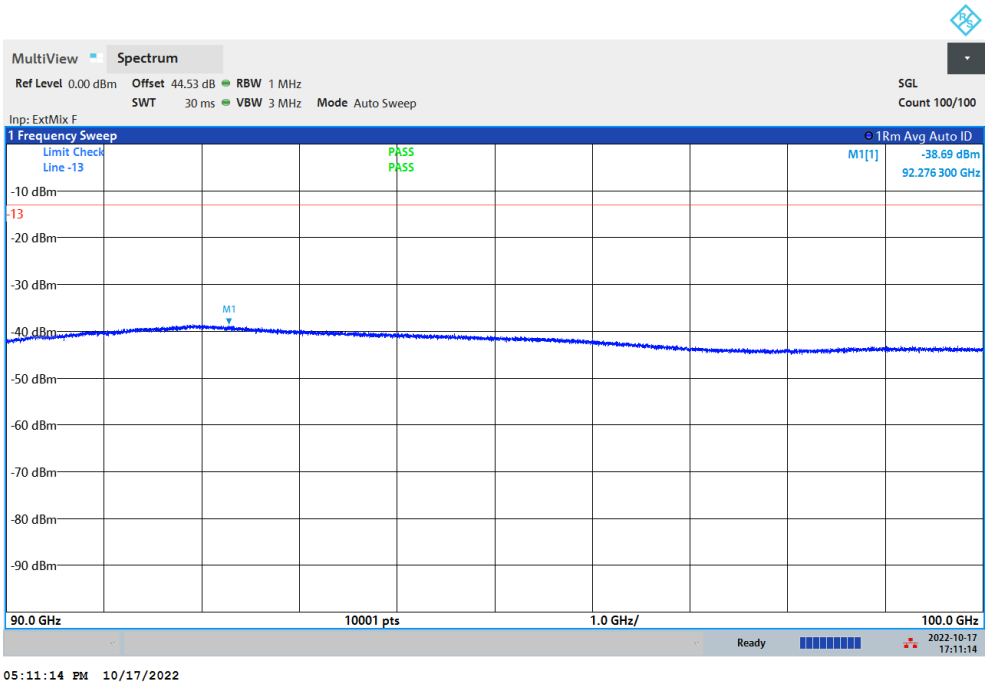
NR Band n261
(60GHz-90GHz)



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)

NR Band n261
(90GHz-100GHz)



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

= 47.92 + 0.43 + 107 + 20log(0.5) – 104.8 = 44.53 (dB)

Frequency Stability

Test Conditions		NR Band n261 / Middle Channel			Limit
Temperature (°C)	Voltage (Volt)	CW tone			Note 2.
		Frequency (GHz)	Deviation (kHz)	Deviation (ppm)	Result
50	Normal Voltage	27.9251418	-178.800	6.403	PASS
40	Normal Voltage	27.9250999	-136.900	4.902	
30	Normal Voltage	27.925003	-40.000	1.432	
20(Ref.)	Normal Voltage	27.924963	0.000	0.000	
10	Normal Voltage	27.9248581	104.900	3.756	
0	Normal Voltage	27.9248301	132.900	4.759	
-10	Normal Voltage	27.9248101	152.900	5.475	
-20	Normal Voltage	27.9247502	212.800	7.620	
-30	Normal Voltage	27.9247152	247.800	8.874	
20	Maximum Voltage	27.92497449	-11.490	0.411	
20	Normal Voltage	27.92493652	26.480	0.948	
20	Battery End Point	27.9248626	100.400	3.595	

Note:

1. Normal Voltage =3.85 V.；Battery End Point (BEP) =3.4 V.；Maximum Voltage =4.4 V.
2. The frequency fundamental emissions stay within the operation band.

NR Band n261 Module 1 AG0+1

Occupied Bandwidth

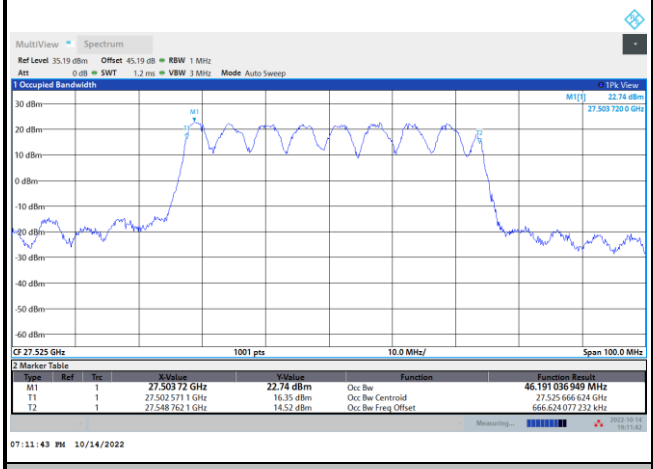
Mode	DFT-s-OFDM Module 1 NR Band n261 : 99%OBW(MHz)							
BW	50MHz				100MHz			
Mod.	BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Lowest CH	46.19	46.01	46.01	46.08	89.29	88.93	89.20	88.93
Middle CH	46.13	45.94	46.22	46.14	88.82	89.07	88.69	88.39
Highest CH	46.19	46.13	46.12	46.01	88.90	89.14	89.21	88.95

Mode	CP-OFDM Module 1 NR Band n261 : 99%OBW(MHz)	
BW	50MHz	100MHz
Mod.	QPSK	QPSK
Lowest CH	46.09	93.52
Middle CH	46.03	93.74
Highest CH	46.07	93.71

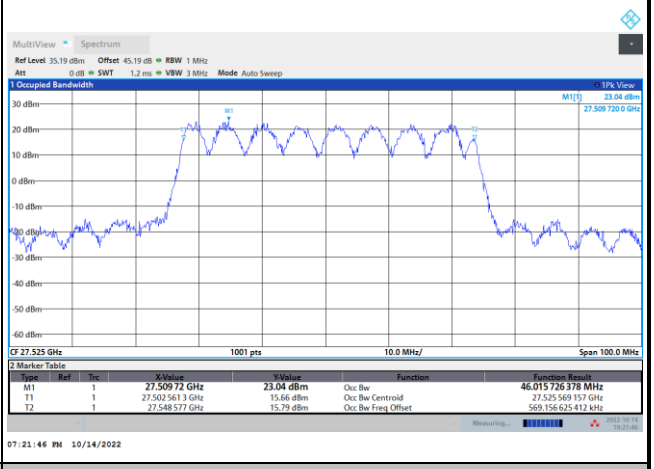
DFT-s-OFDM Module 1

NR Band n261

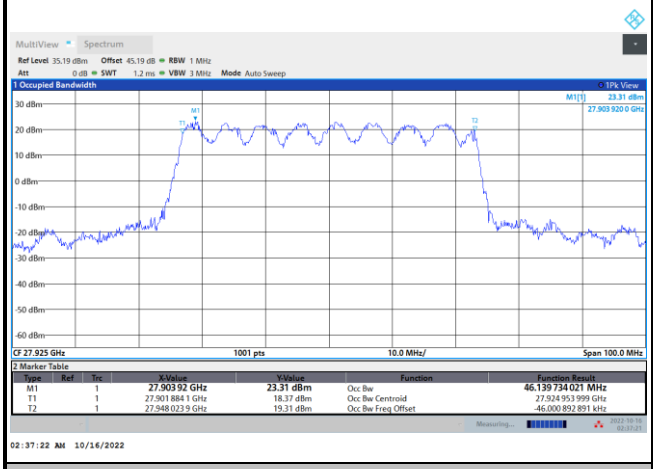
Lowest Channel / 50MHz / BPSK



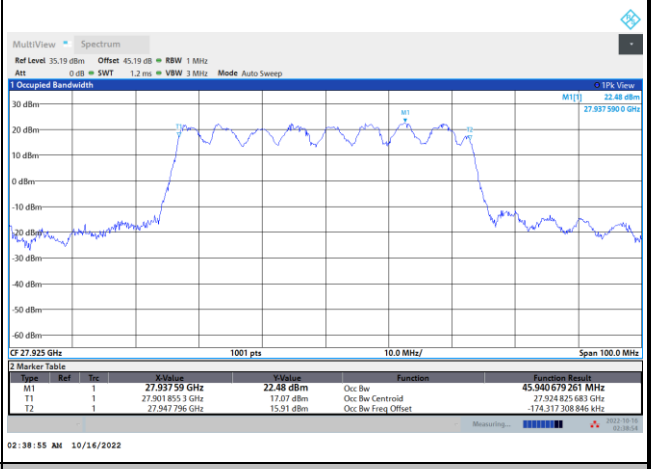
Lowest Channel / 50MHz / QPSK



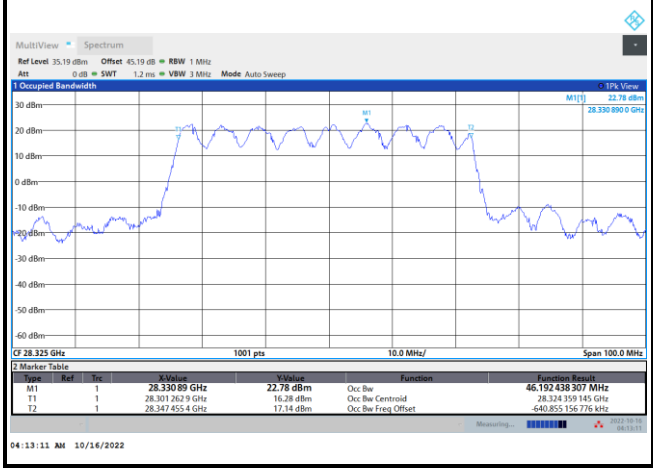
Middle Channel / 50MHz / BPSK



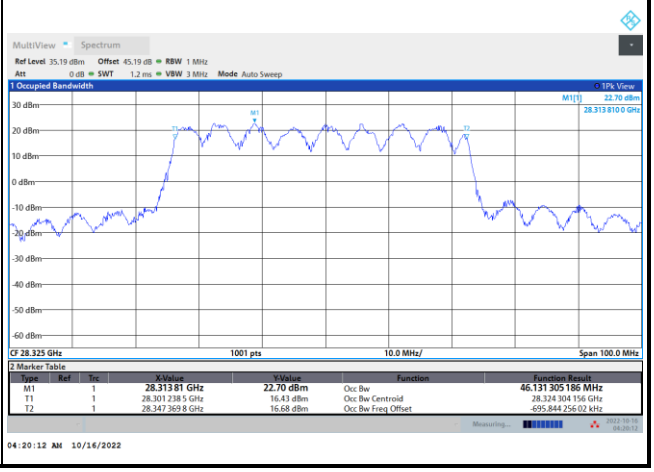
Middle Channel / 50MHz / QPSK



Highest Channel / 50MHz / BPSK



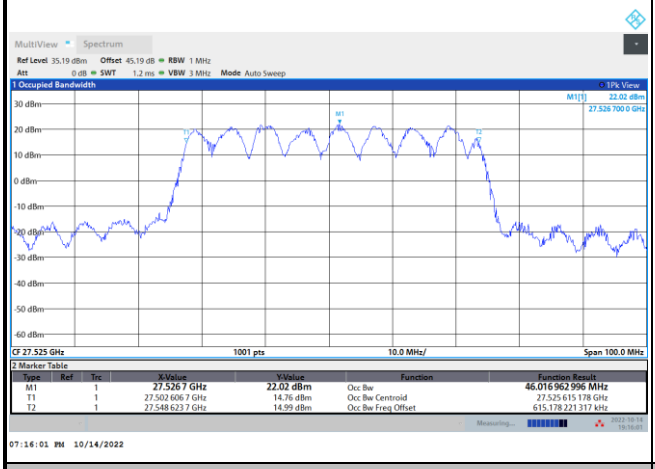
Highest Channel / 50MHz / QPSK



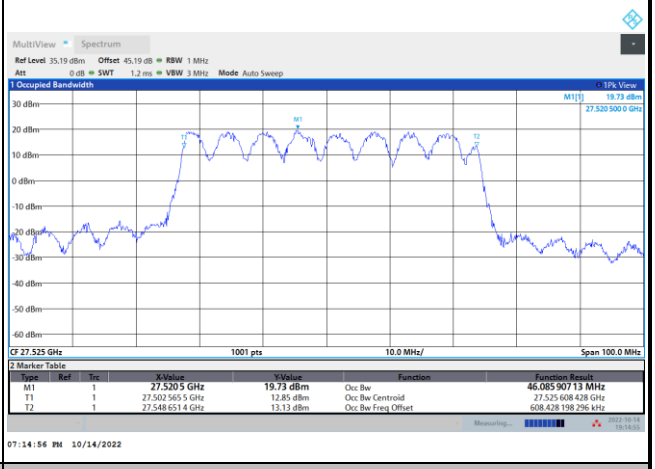
DFT-s-OFDM Module 1

NR Band n261

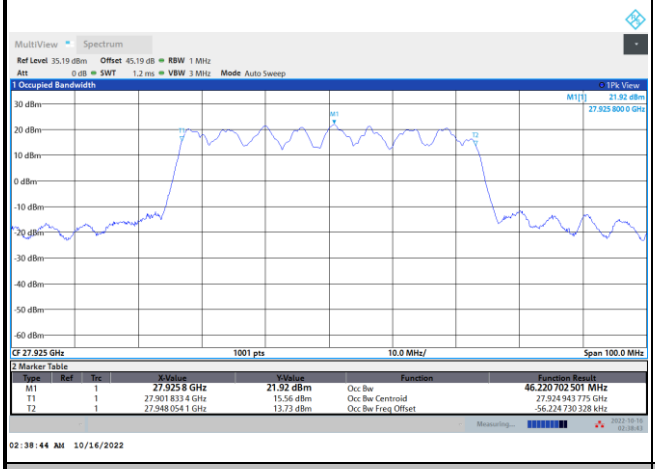
Lowest Channel / 50MHz / 16QAM



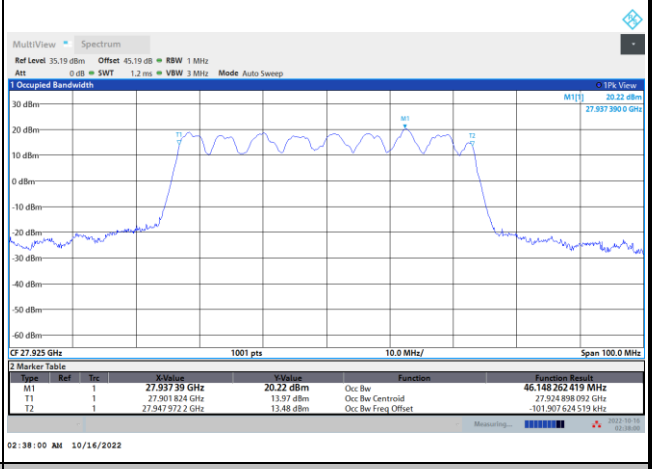
Lowest Channel / 50MHz / 64QAM



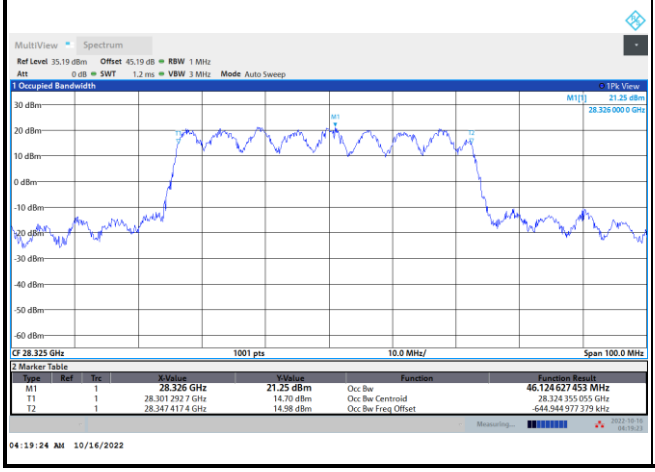
Middle Channel / 50MHz / 16QAM



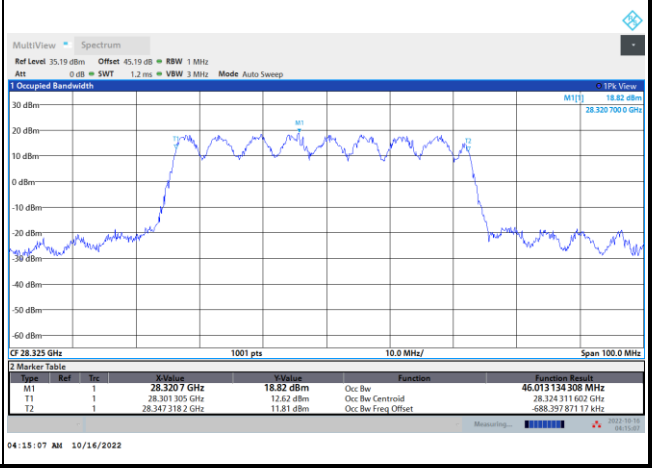
Middle Channel / 50MHz / 64QAM



Highest Channel / 50MHz / 16QAM



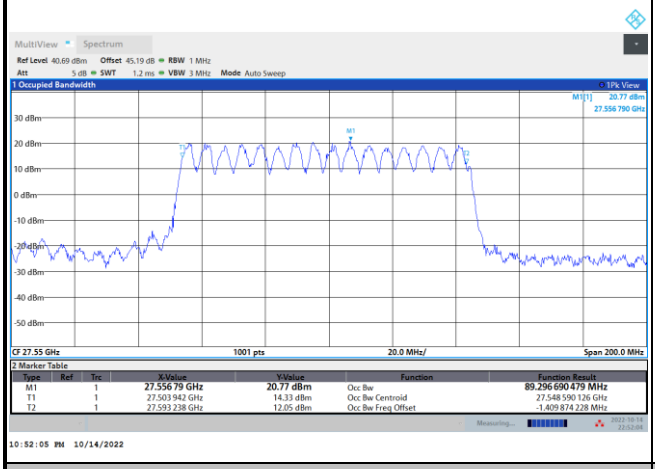
Highest Channel / 50MHz / 64QAM



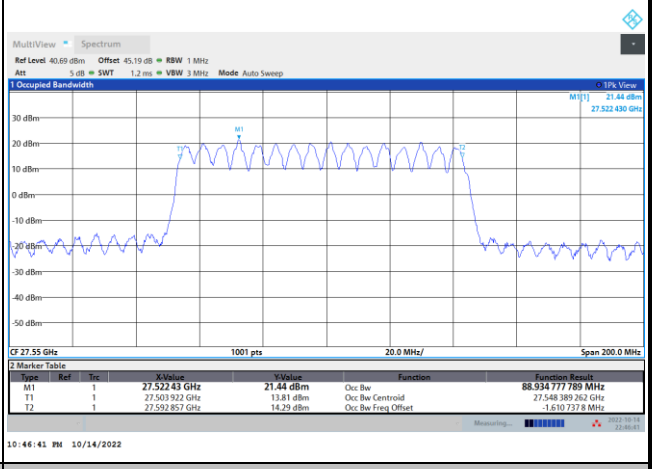
DFT-s-OFDM Module 1

NR Band n261

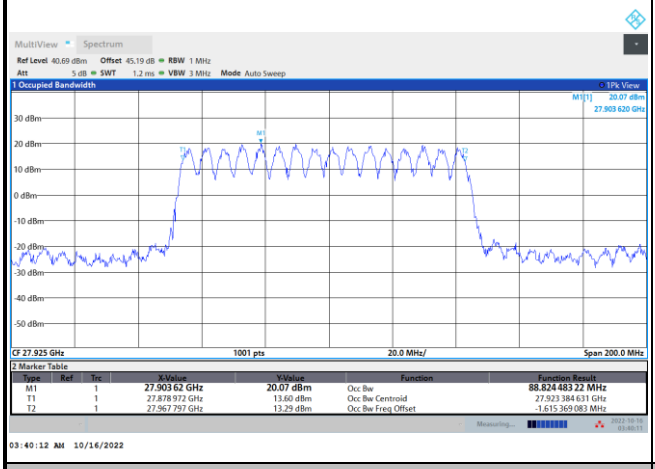
Lowest Channel / 100MHz / BPSK



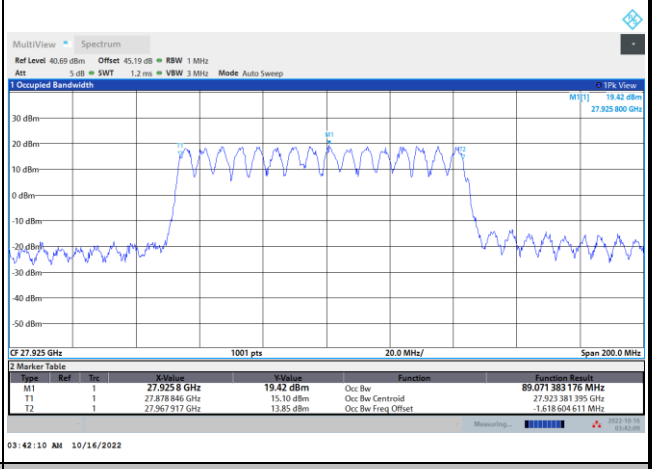
Lowest Channel / 100MHz / QPSK



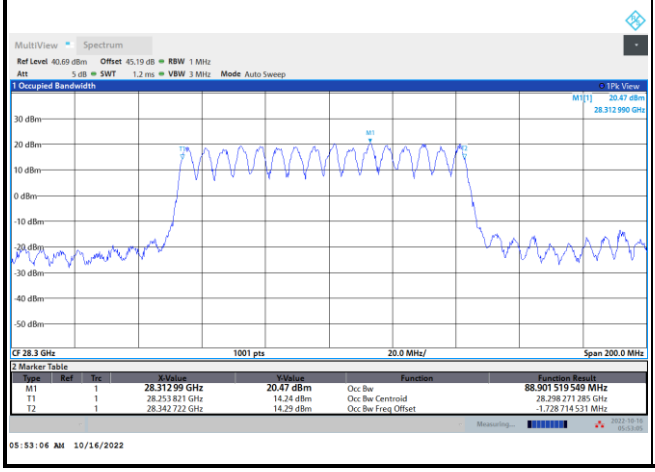
Middle Channel / 100MHz / BPSK



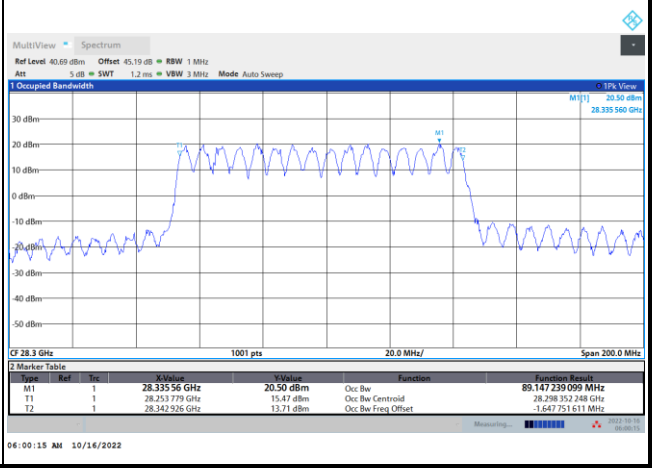
Middle Channel / 100MHz / QPSK



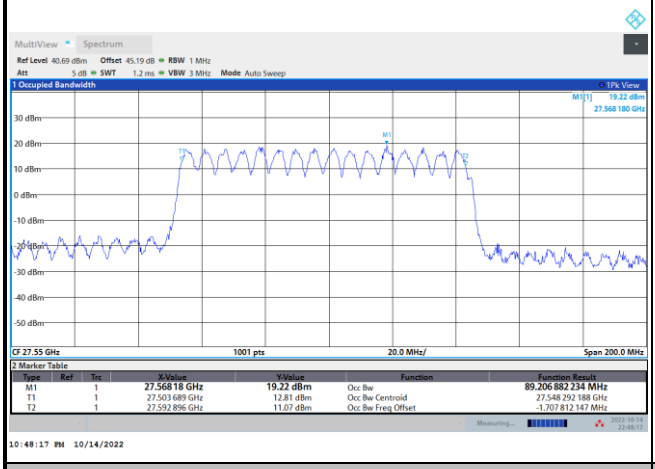
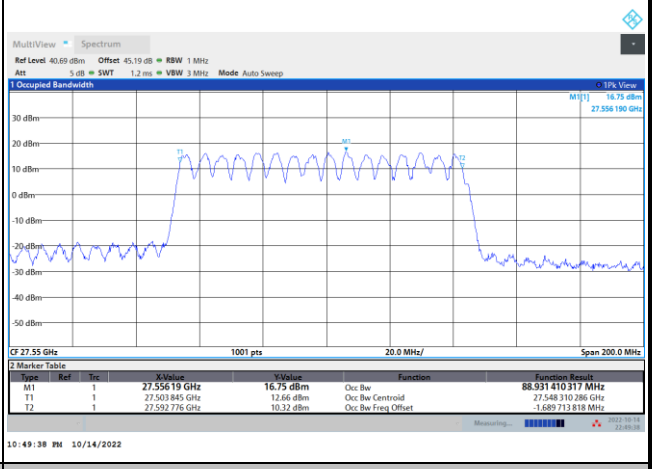
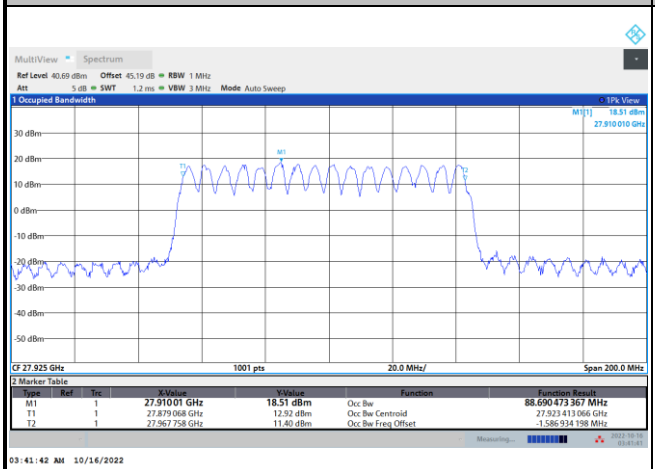
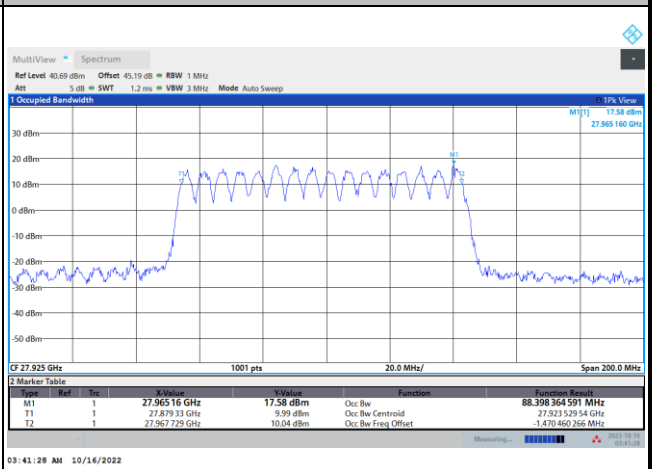
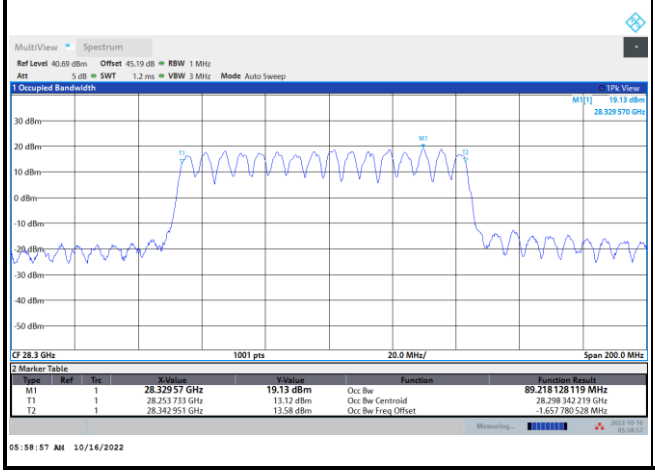
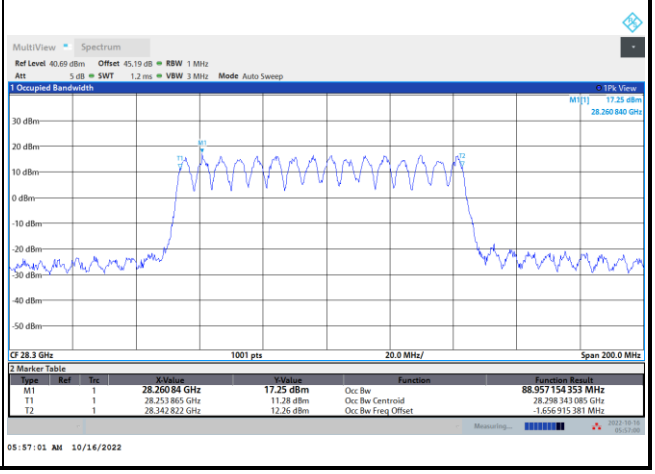
Highest Channel / 100MHz / BPSK



Highest Channel / 100MHz / QPSK



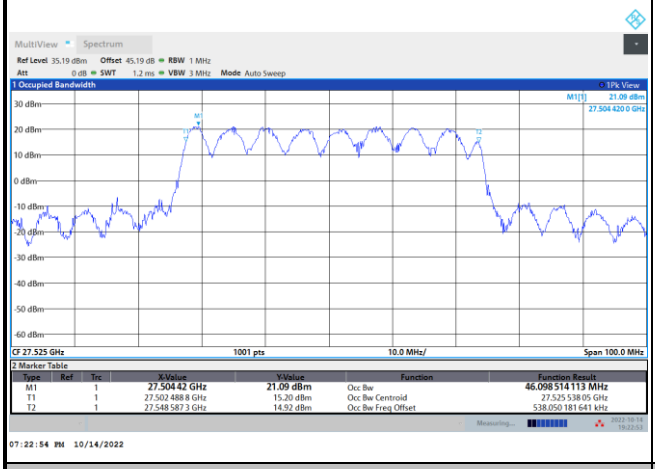
DFT-s-OFDM Module 1

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**
	

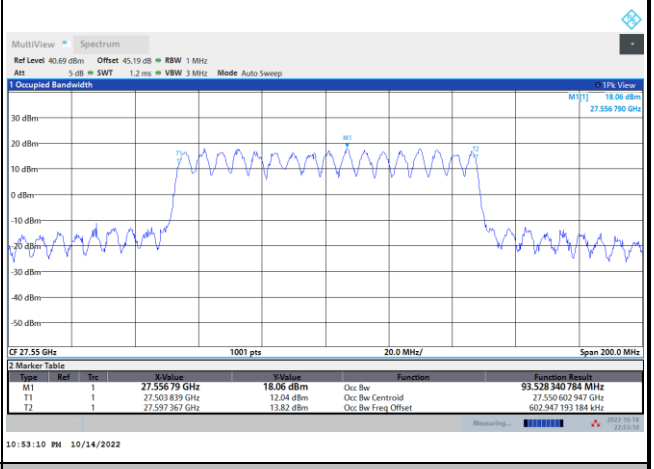
CP-OFDM Module 1

NR Band n261

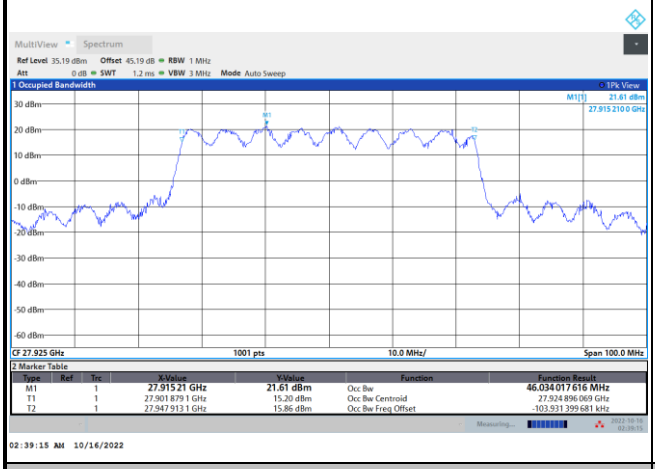
Lowest Channel / 50MHz / QPSK



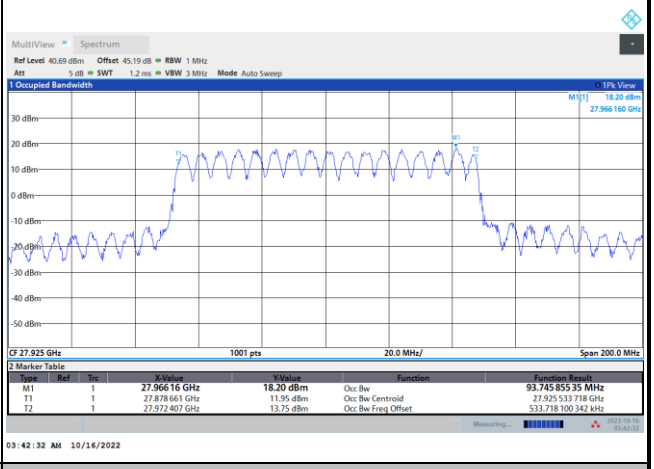
Lowest Channel / 100MHz / QPSK



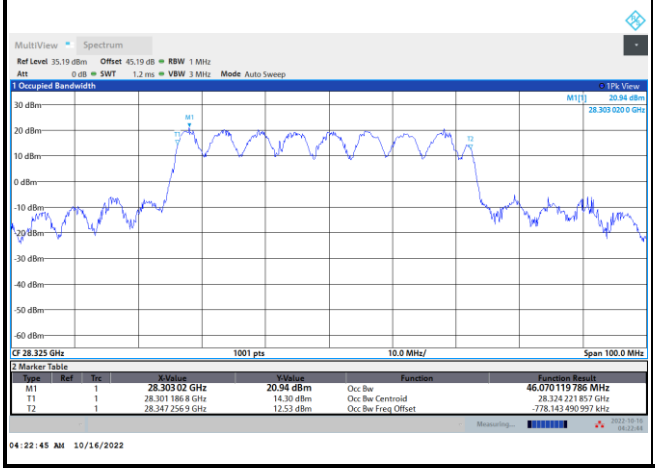
Middle Channel / 50MHz / QPSK



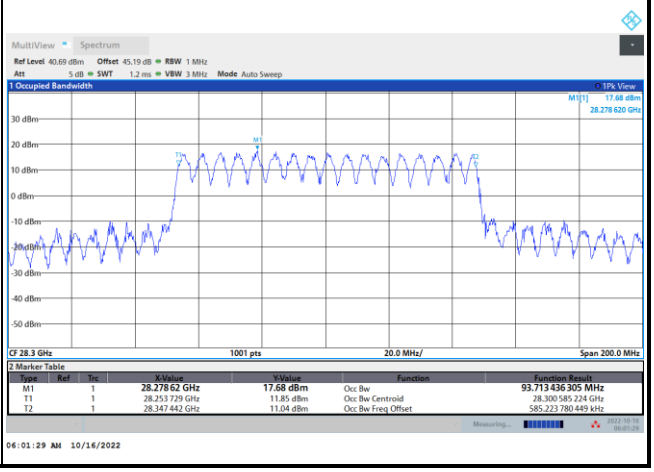
Middle Channel / 100MHz / QPSK



Highest Channel / 50MHz / QPSK



Highest Channel / 100MHz / QPSK



Radiated Out of Band Emissions

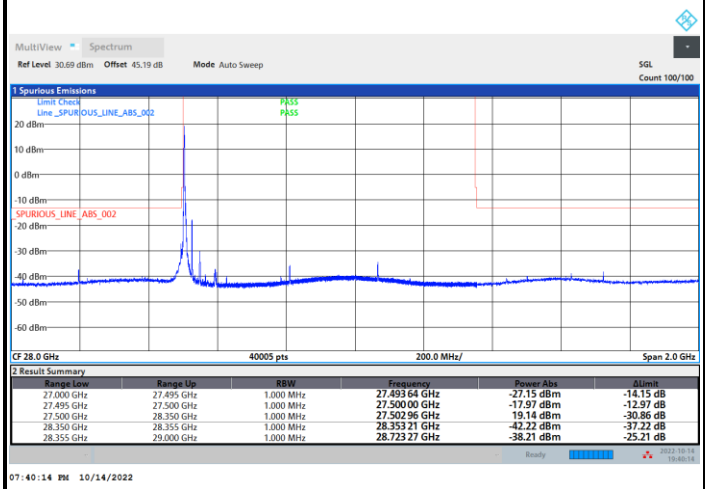
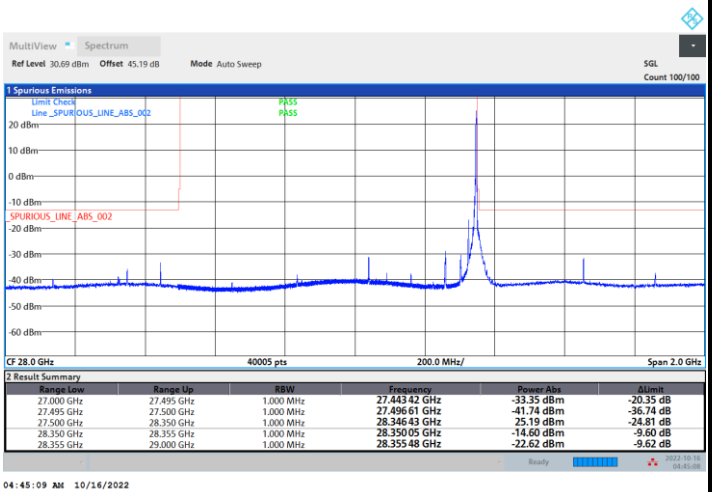
Mode			DFT-s-OFDM Module 1 NR Band n261 : BE (dBm) 1 RB							
BW			50MHz				100MHz			
Limit (dBm)			BPSK	QPSK	16QAM	64QAM	BPSK	QPSK	16QAM	64QAM
Low CH	0~10%OB	≦-5	-17.97	-17.60	-22.15	-23.28	-11.66	-10.67	-12.22	-15.14
	>10%OB	≦-13	-27.15	-27.45	-28.06	-31.07	-29.93	-29.94	-30.18	-32.02
High CH	0~10%OB	≦-5	-14.60	-12.96	-15.34	-16.75	-7.15	-6.73	-6.92	-8.99
	>10%OB	≦-13	-22.62	-23.24	-24.55	-25.93	-24.41	-24.50	-26.12	-28.11
Result			Compliance							

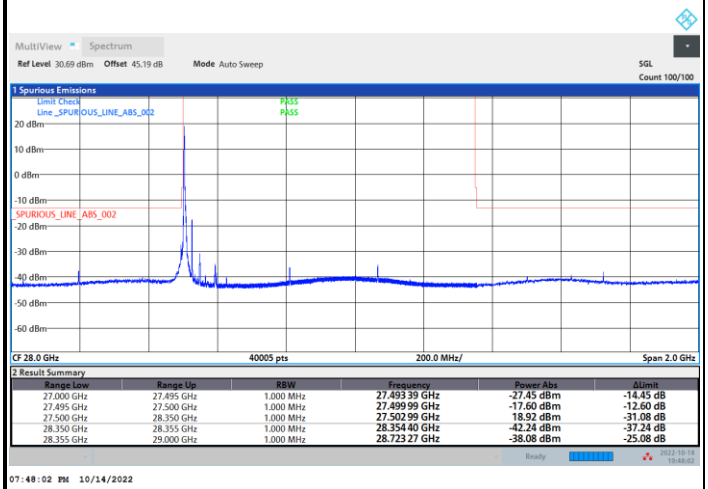
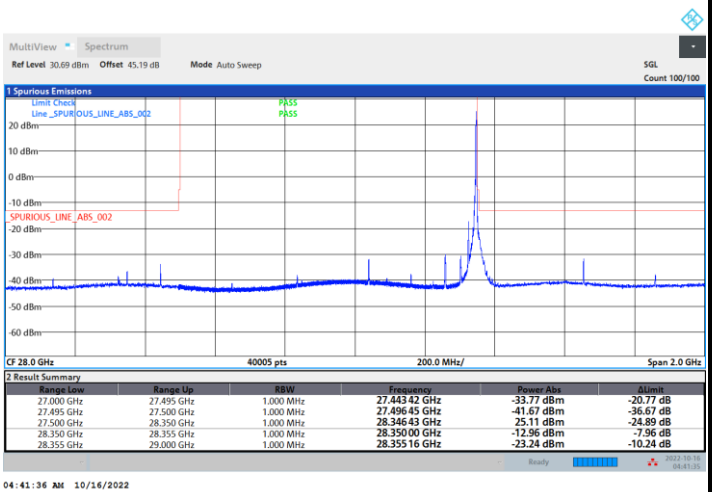
Mode			CP-OFDM Module 1 NR Band n261 : BE (dBm) 1 RB	
BW			50MHz	100MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≦-5	-20.46	-15.54
	>10%OB	≦-13	-28.27	-32.18
High CH	0~10%OB	≦-5	-15.17	-8.26
	>10%OB	≦-13	-25.47	-26.63
Result			Compliance	

Mode			DFT-s-OFDM Module 1 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	-22.41	-21.20	-23.27	-24.55	-21.73	-22.85	-23.39	-25.35
	>10%OB	≦-13	-22.73	-22.98	-22.81	-24.63	-25.11	-24.72	-25.44	-27.28
High CH	0~10%OB	≦-5	-20.40	-15.79	-19.78	-25.98	-22.06	-18.28	-22.60	-28.29
	>10%OB	≦-13	-21.05	-16.55	-21.11	-27.12	-23.40	-19.92	-24.47	-29.94
Result			Compliance							

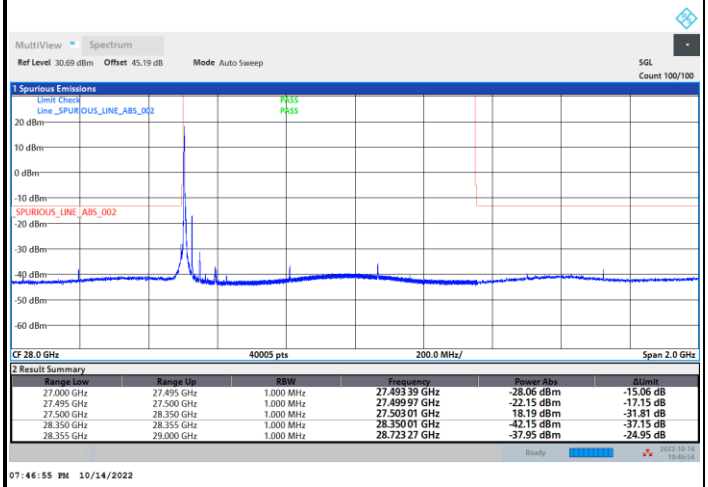
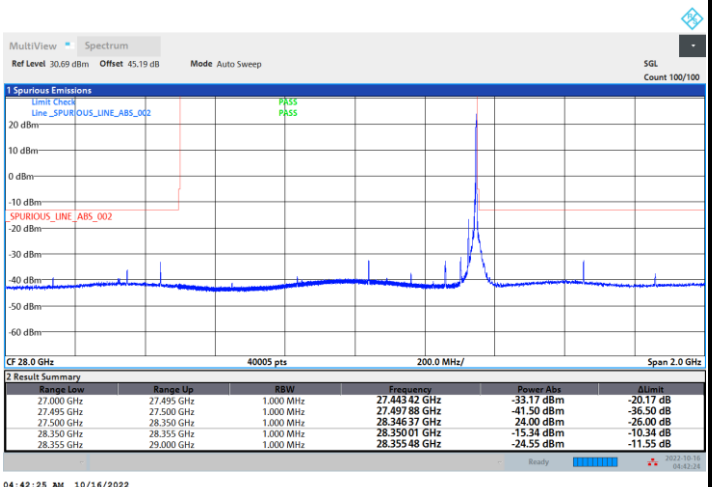
Mode			CP-OFDM Module 1 NR Band n261 : BE (dBm) Full RB	
BW			50MHz	100MHz
Limit (dBm)			QPSK	QPSK
Low CH	0~10%OB	≦-5	-20.69	-22.03
	>10%OB	≦-13	-20.96	-23.59
High CH	0~10%OB	≦-5	-16.35	-17.81
	>10%OB	≦-13	-18.94	-20.32
Result			Compliance	

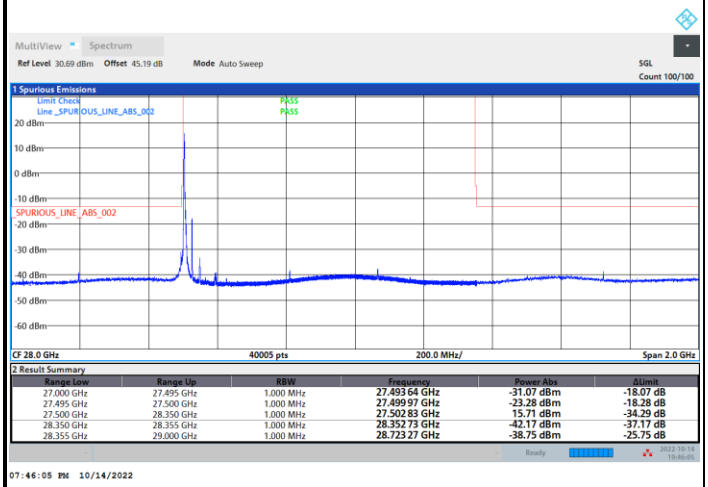
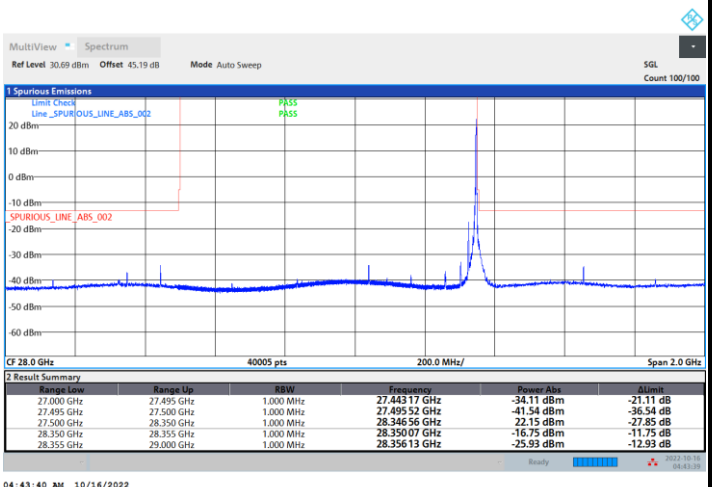
DFT-s-OFDM Module 1

NR Band n261 / 50MHz / BPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
07:40:14 PM 10/14/2022	04:45:09 AM 10/16/2022

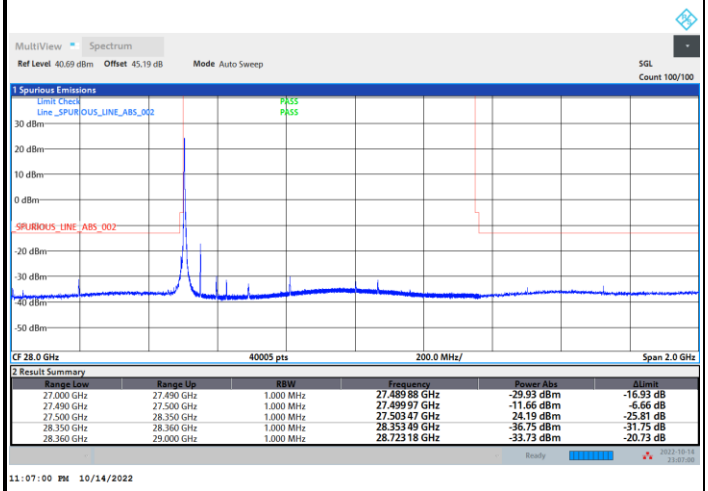
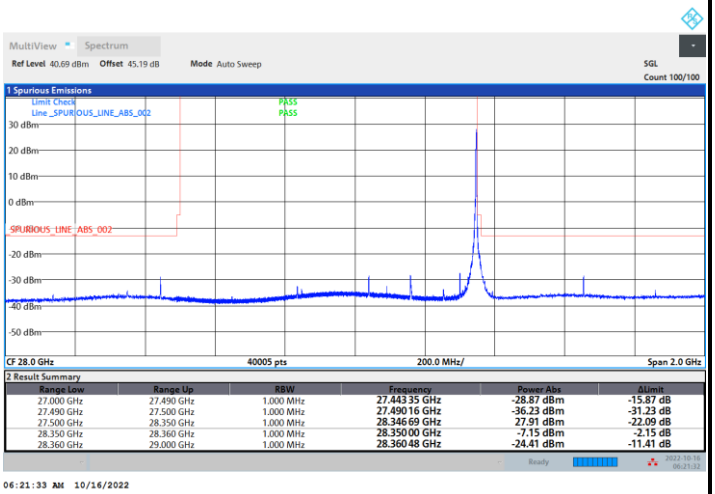
NR Band n261 / 50MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
07:48:02 PM 10/14/2022	04:41:36 AM 10/16/2022

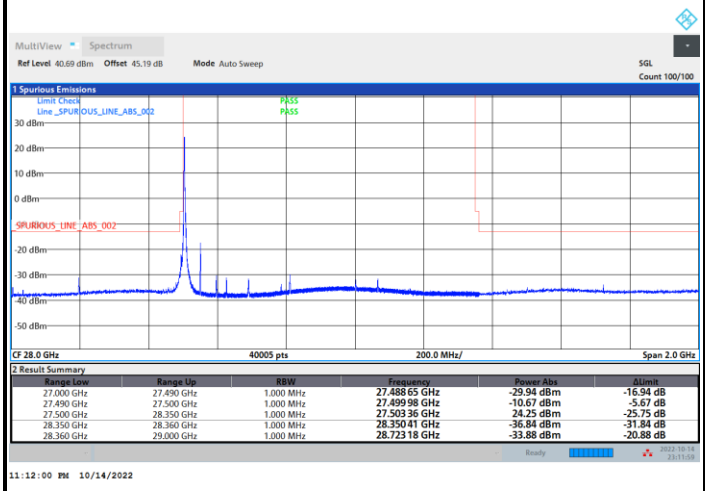
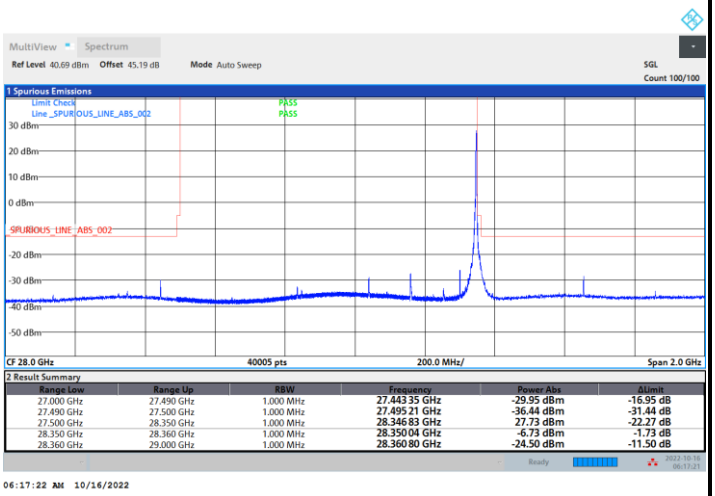
DFT-s-OFDM Module 1

NR Band n261 / 50MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
07:46:55 PM 10/14/2022	04:42:25 AM 10/16/2022

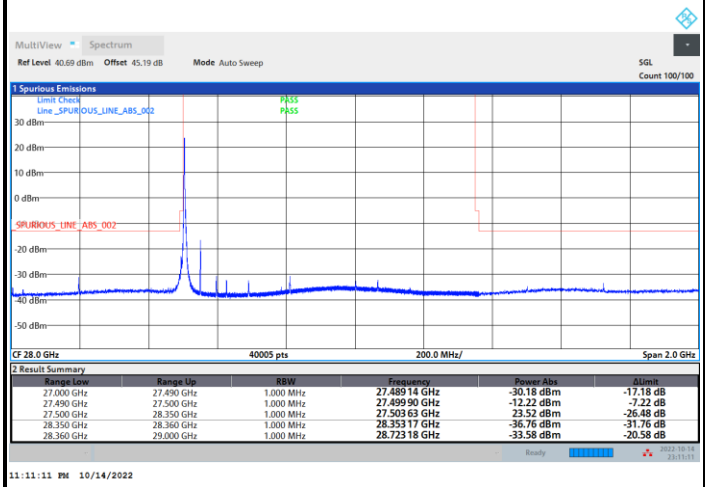
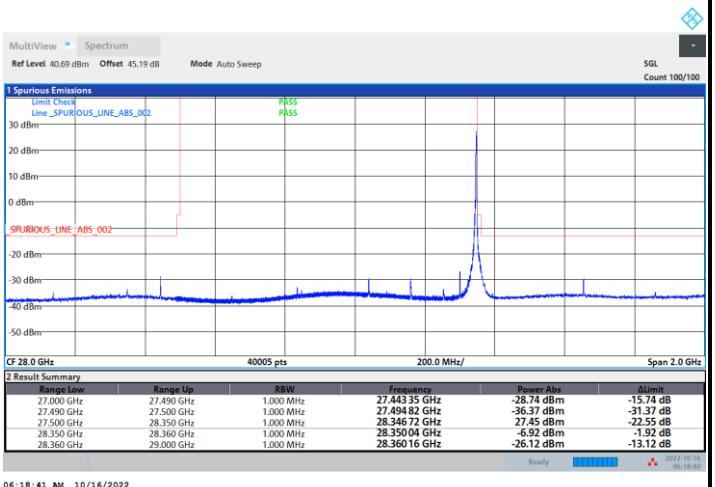
NR Band n261 / 50MHz / 64QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
07:46:05 PM 10/14/2022	04:43:40 AM 10/16/2022

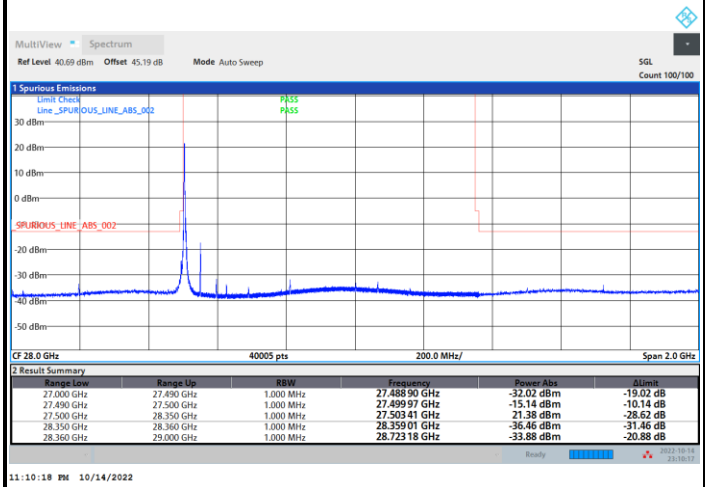
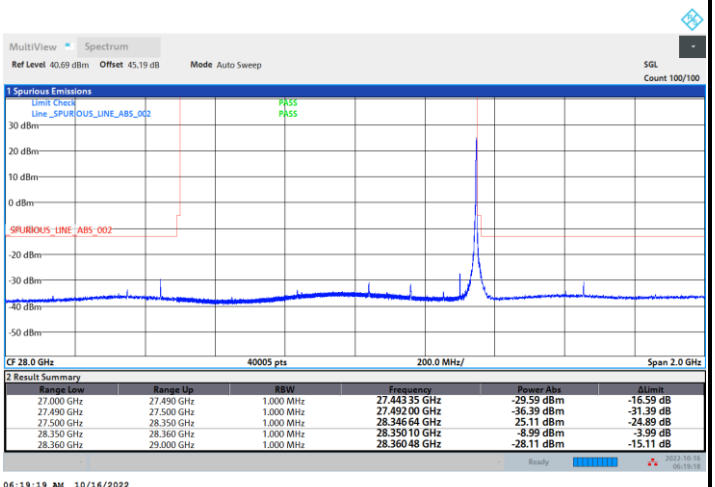
DFT-s-OFDM Module 1

NR Band n261 / 100MHz / BPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
11:07:00 PM 10/14/2022	06:21:33 AM 10/16/2022

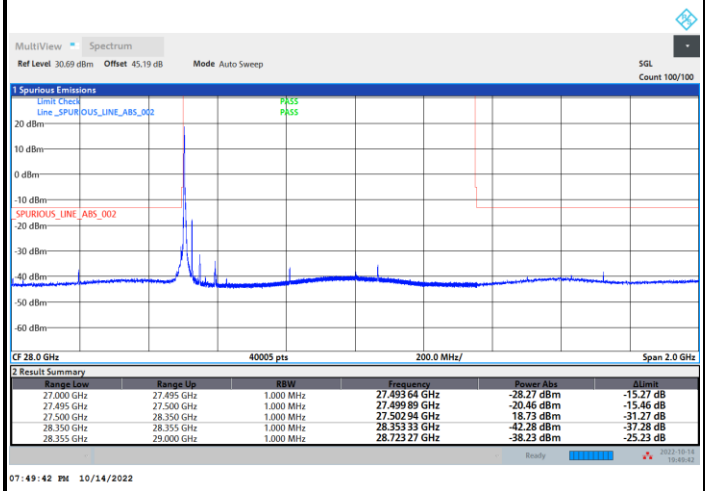
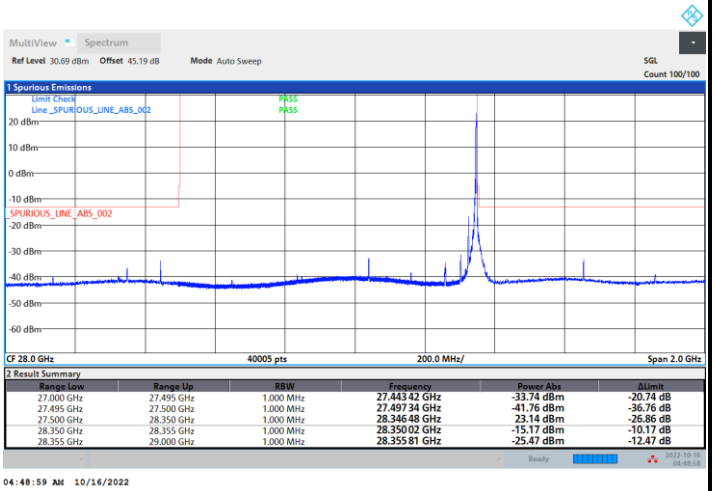
NR Band n261 / 100MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
11:12:00 PM 10/14/2022	06:17:22 AM 10/16/2022

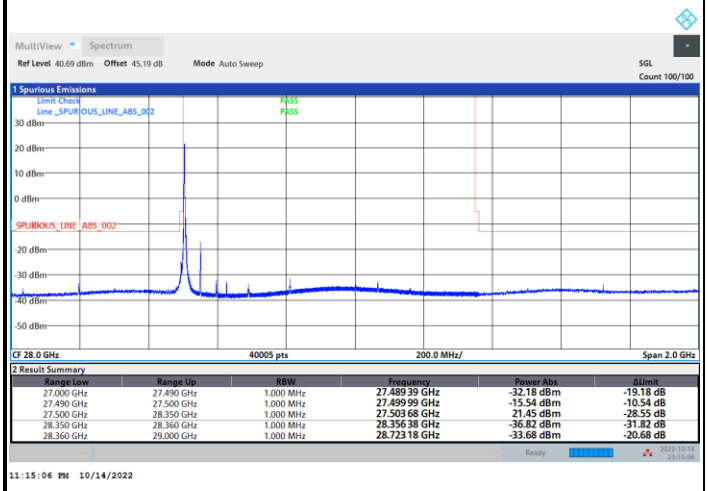
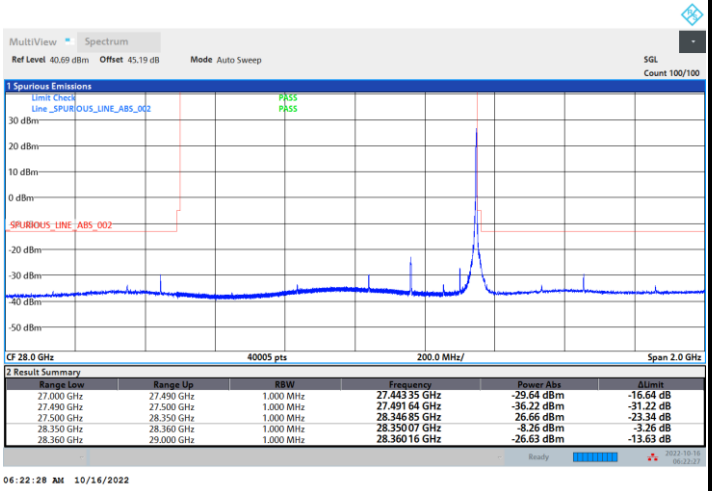
DFT-s-OFDM Module 1

NR Band n261 / 100MHz / 16QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
11:11:11 PM 10/14/2022	06:18:41 AM 10/16/2022

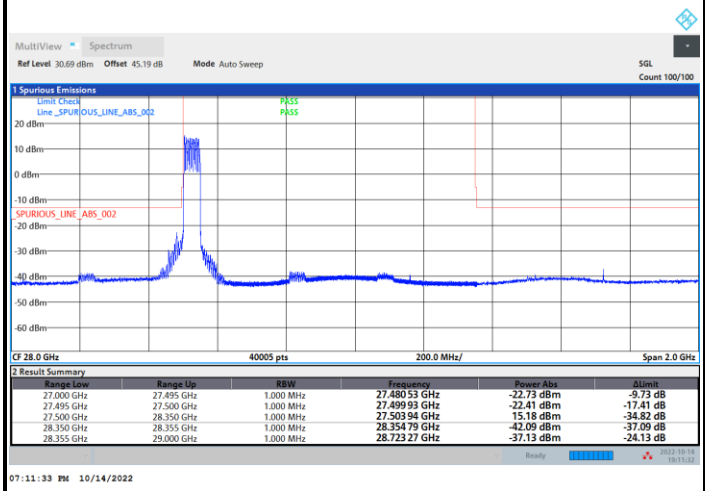
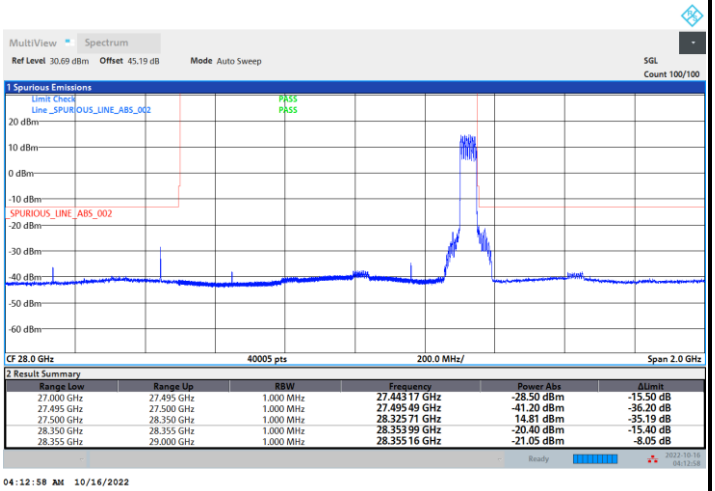
NR Band n261 / 100MHz / 64QAM	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	
11:10:18 PM 10/14/2022	06:19:19 AM 10/16/2022

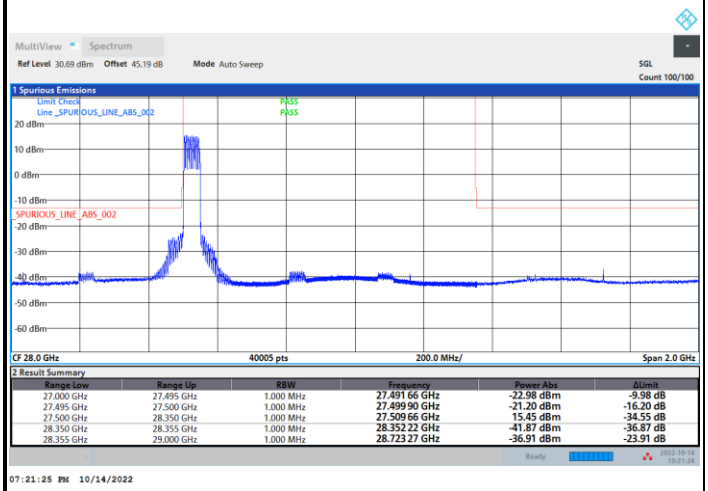
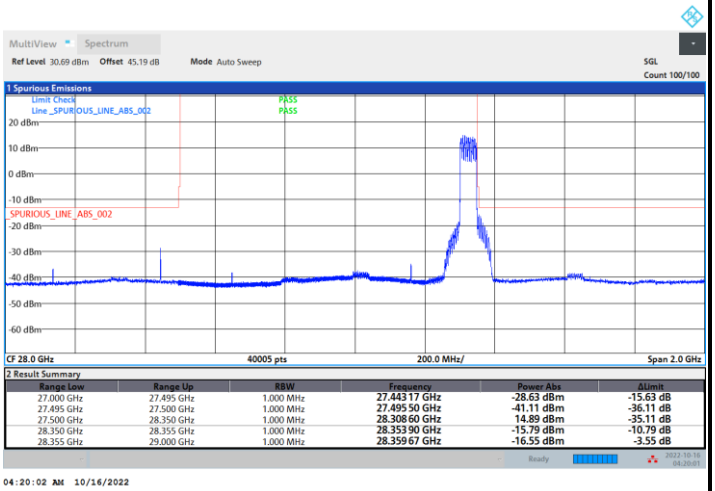
CP-OFDM Module 1

NR Band n261 / 50MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	

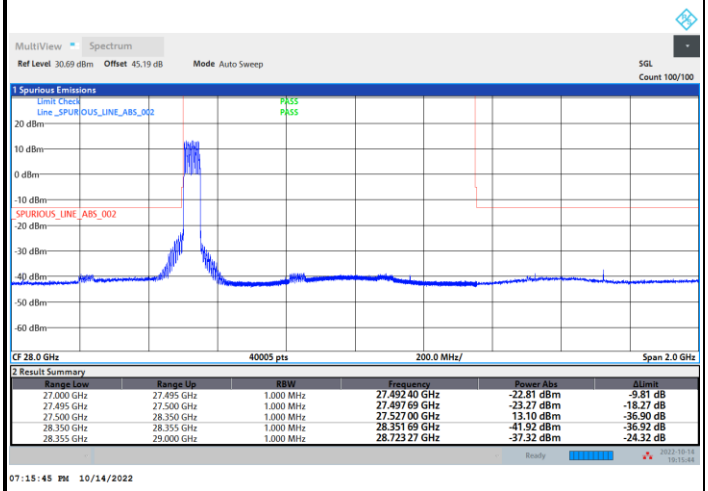
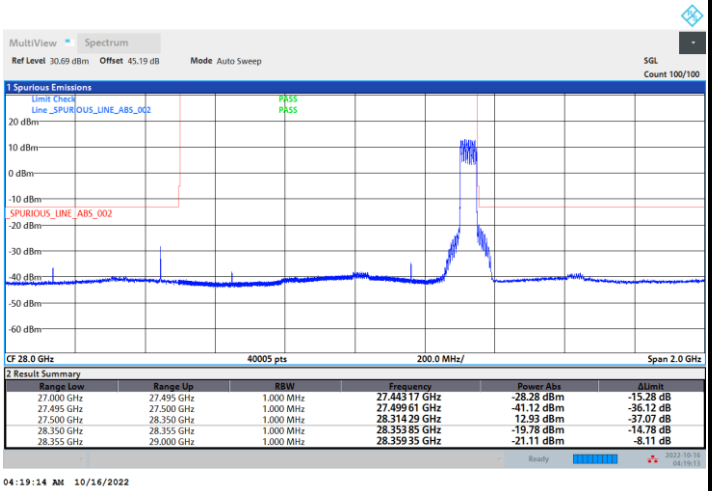
NR Band n261 / 100MHz / QPSK	
Lowest Band Edge / 1 RB	**Highest Band Edge / 1 RB**
	

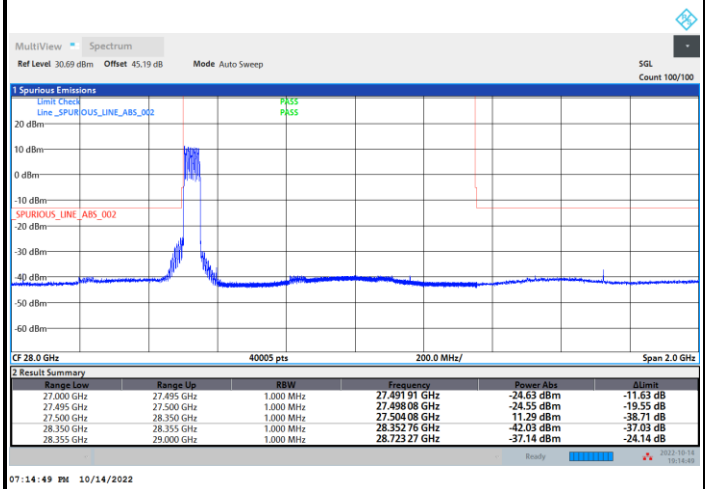
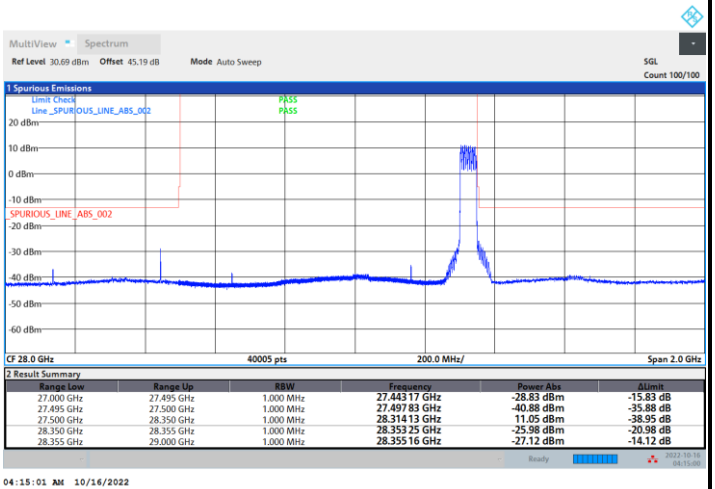
DFT-s-OFDM Module 1

NR Band n261 / 50MHz / BPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
07:11:33 PM 10/14/2022	04:12:58 AM 10/16/2022

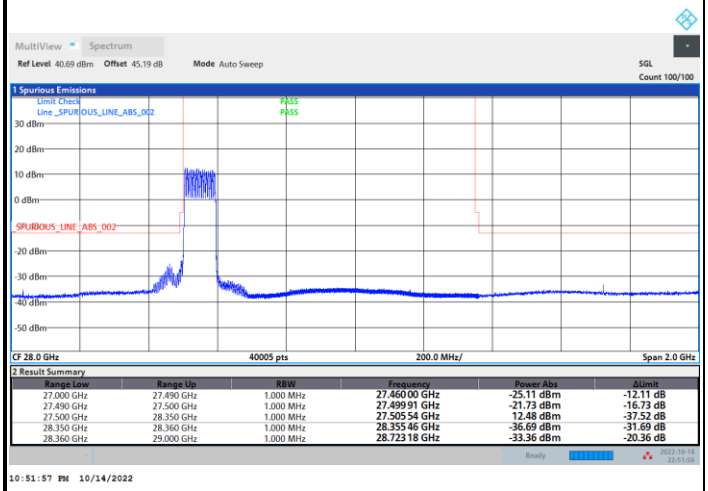
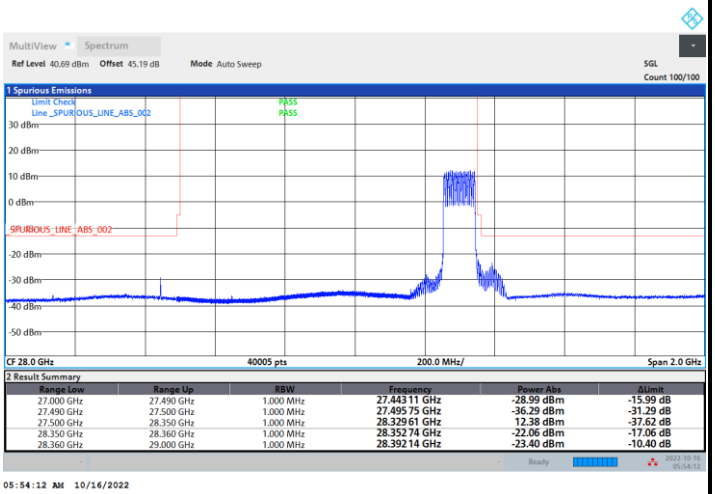
NR Band n261 / 50MHz / QPSK	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
07:21:25 PM 10/14/2022	04:20:02 AM 10/16/2022

DFT-s-OFDM Module 1

NR Band n261 / 50MHz / 16QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
07:15:45 PM 10/14/2022	04:19:14 AM 10/16/2022

NR Band n261 / 50MHz / 64QAM	
Lowest Band Edge / Full RB	**Highest Band Edge / Full RB**
	
07:14:49 PM 10/14/2022	04:15:01 AM 10/16/2022

DFT-s-OFDM Module 1

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**