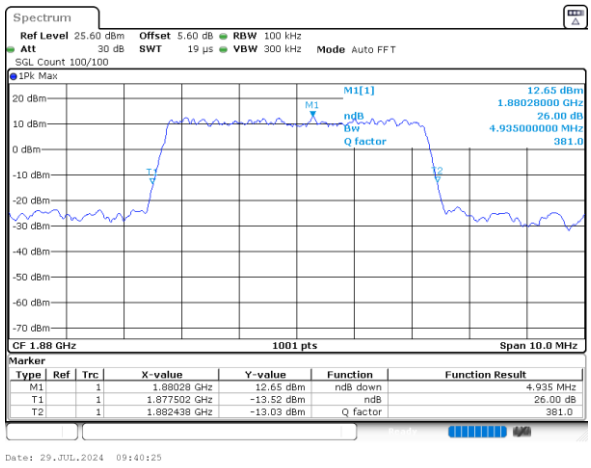
26dB Bandwidth

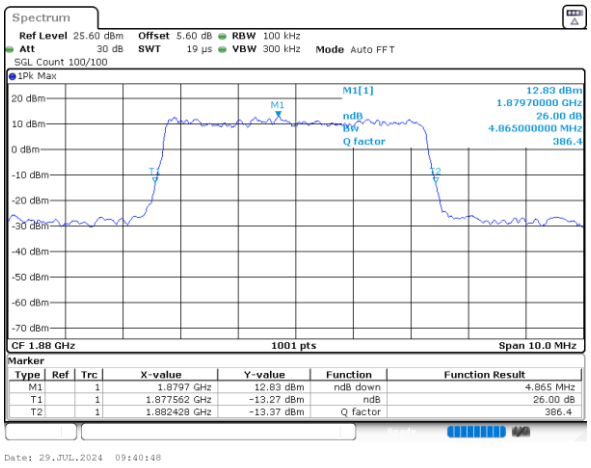
Mode	FR1 N2 : 26dBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.94	4.87	10.01	9.99	14.84	14.90	19.82	19.70
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.84	4.78	10.03	10.03	14.90	14.93	19.74	19.82

FR1 N2 / 5MHz / CP- OFDM / Middle Channel / Full RB

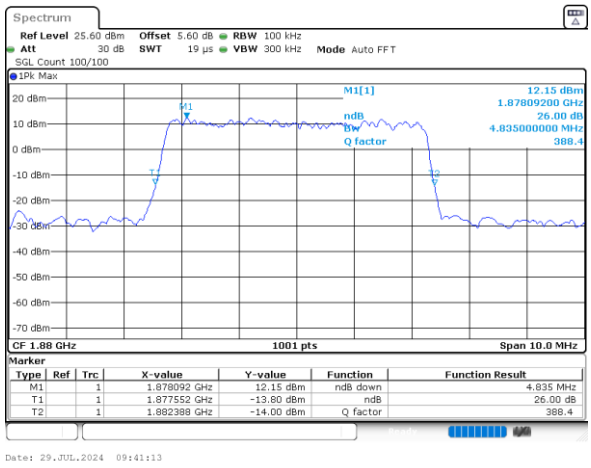
QPSK



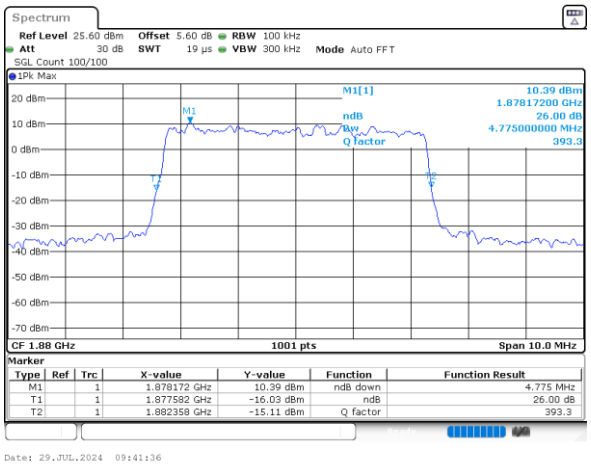
16QAM

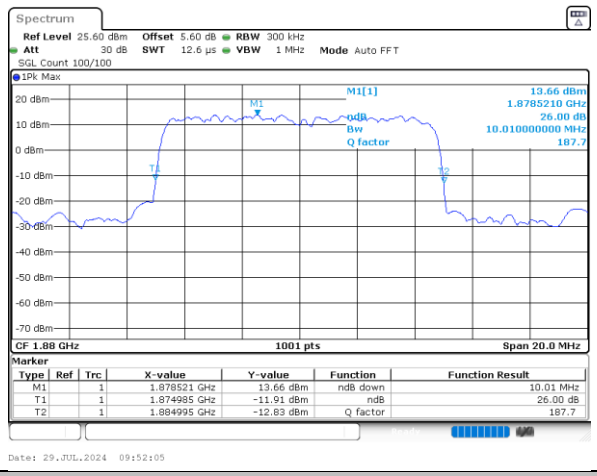
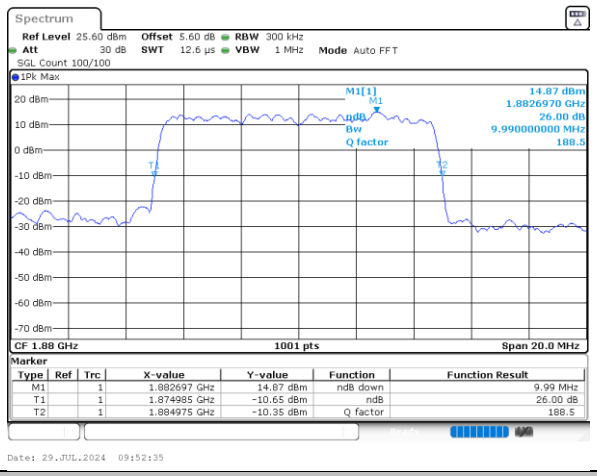
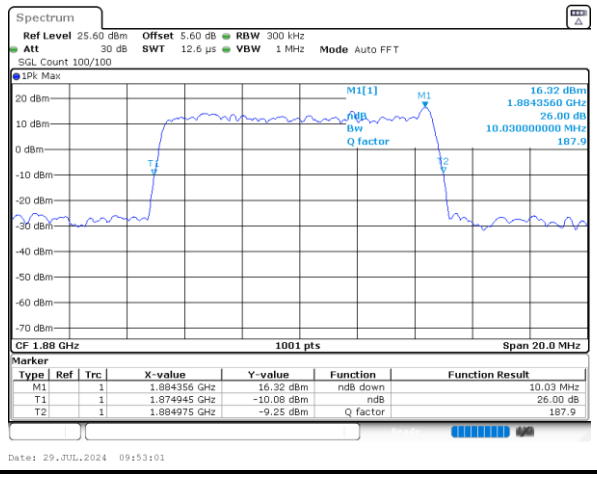
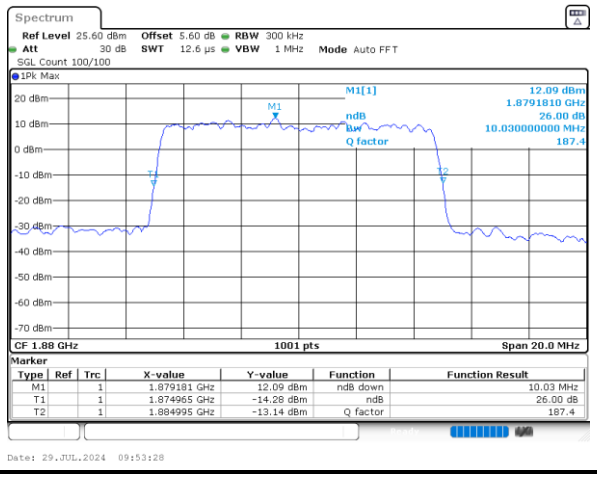


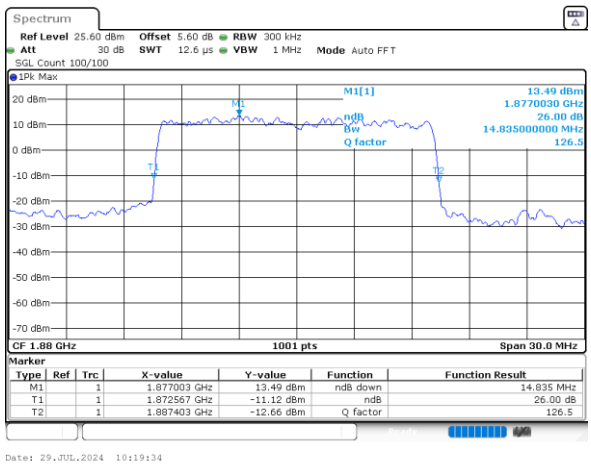
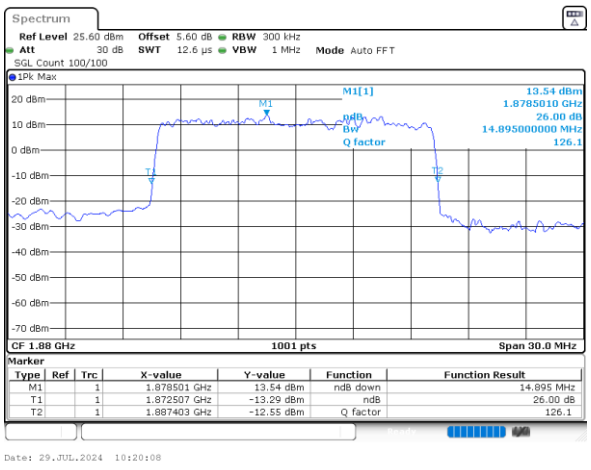
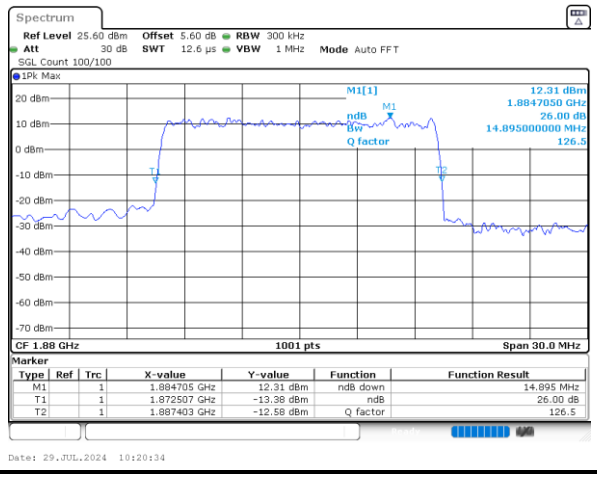
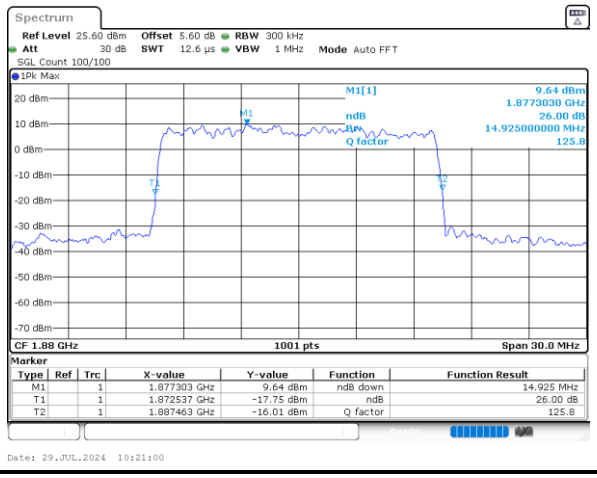
64QAM

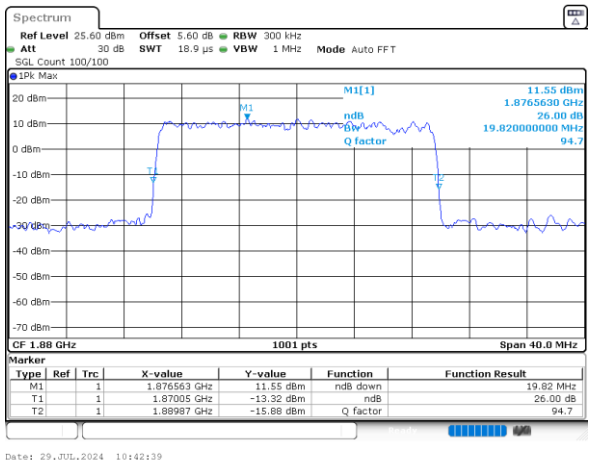
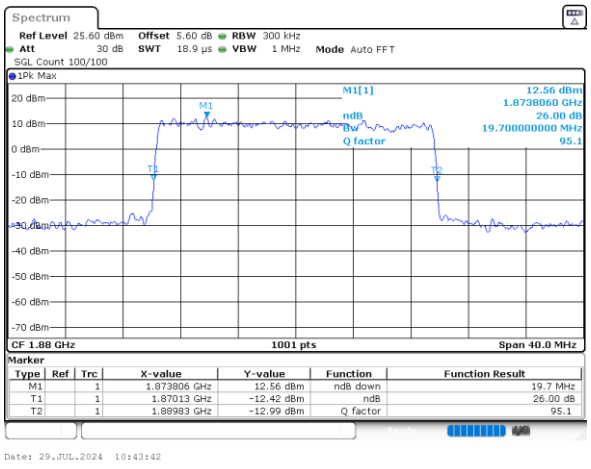
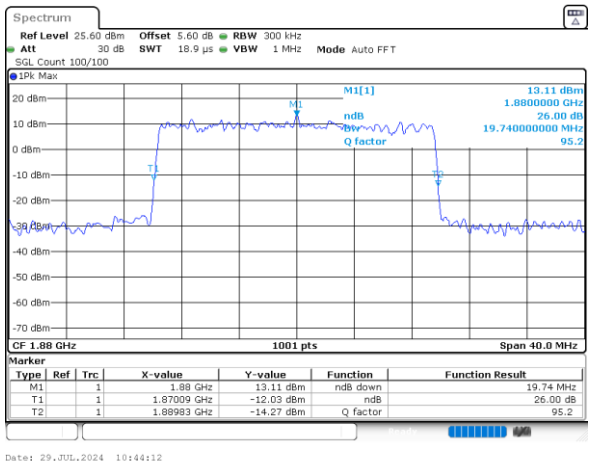
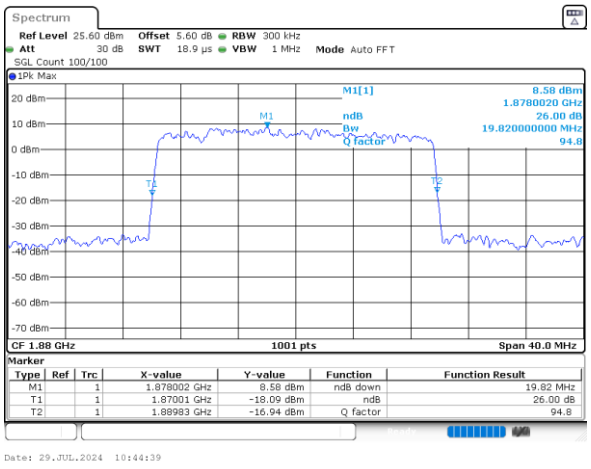


256QAM



FR1 N2 / 10MHz / CP-S OFDM / Middle Channel / Full RB	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

FR1 N2 / 15MHz / CP-S OFDM / Middle Channel / Full RB	
QPSK	**16QAM**
	
64QAM	**256QAM**
	

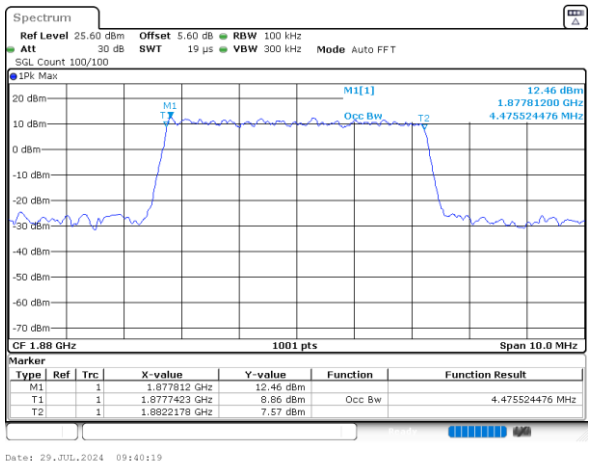
FR1 N2 / 20MHz / DFT-S OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

Occupied Bandwidth

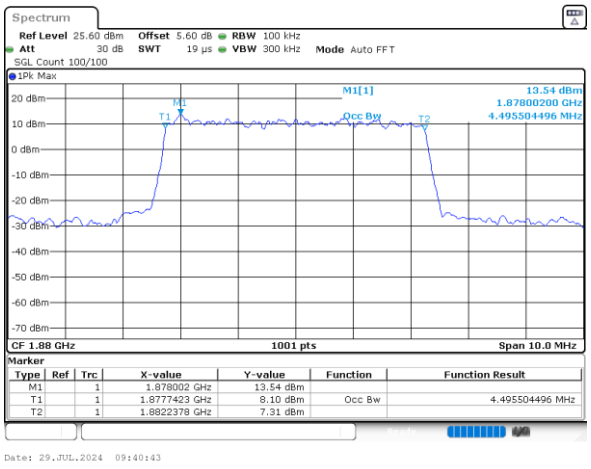
Mode	FR1 N2 : 99%OBW (MHz) / CP OFDM							
BW	5MHz		10MHz		15MHz		20MHz	
Mod.	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM	QPSK	16QAM
Middle CH	4.48	4.50	9.29	9.39	14.12	14.06	18.90	18.90
Mod.	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM	64QAM	256QAM
Middle CH	4.49	4.48	9.37	9.33	14.12	14.12	18.90	18.90

FR1 N2 / 5MHz / CP OFDM / Middle Channel / Full RB

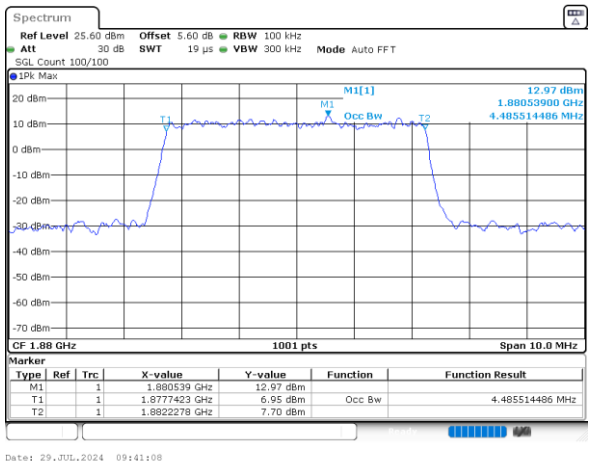
QPSK



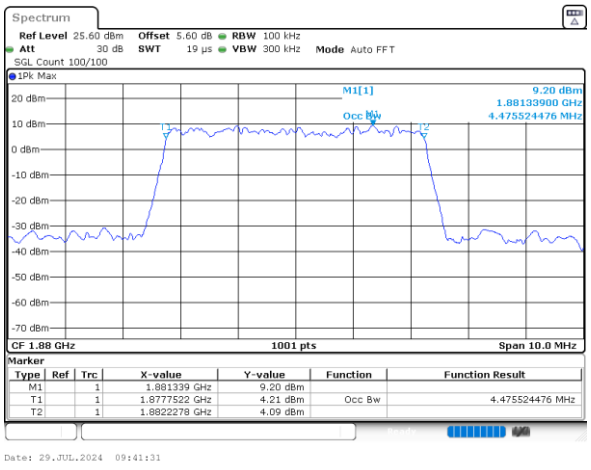
16QAM

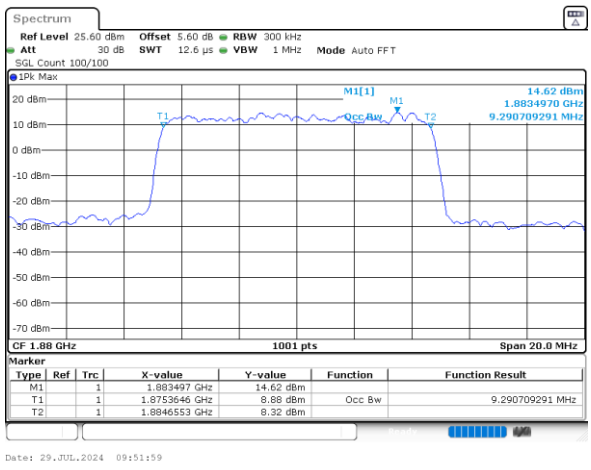
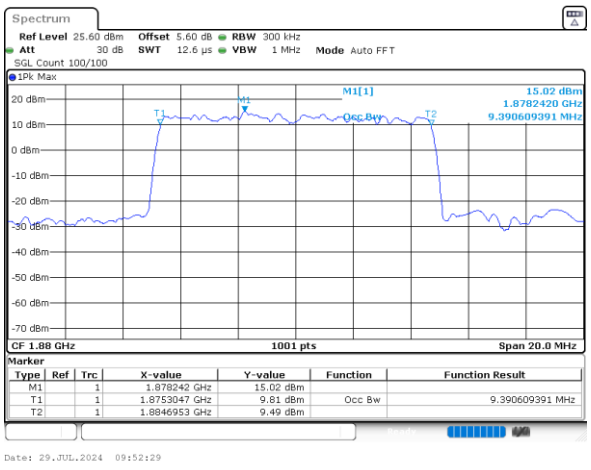
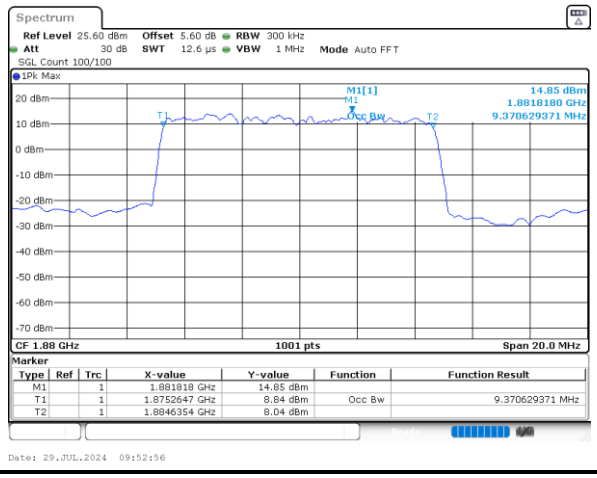
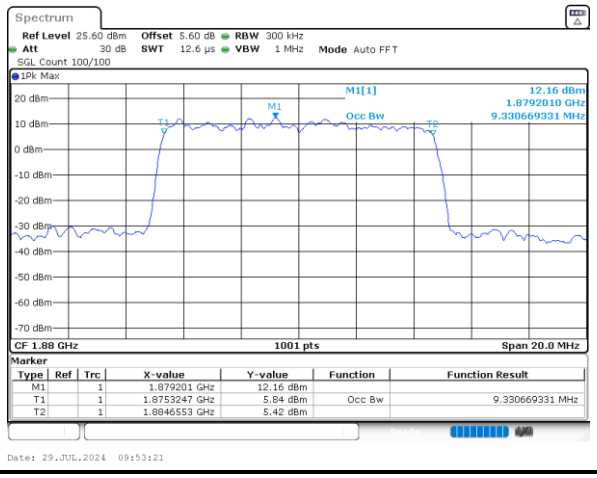


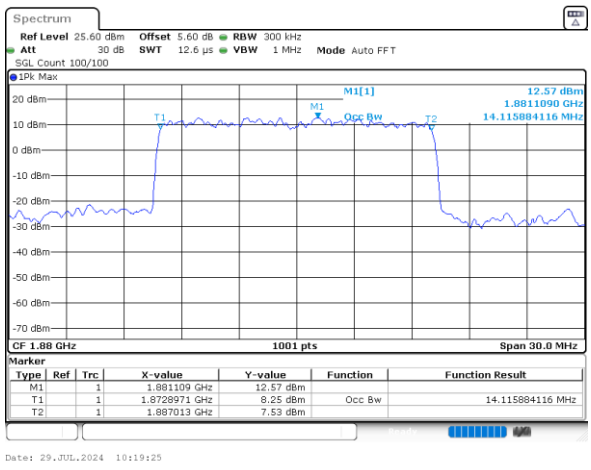
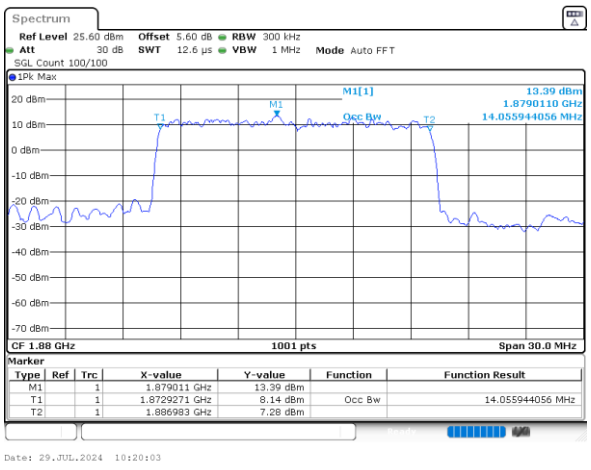
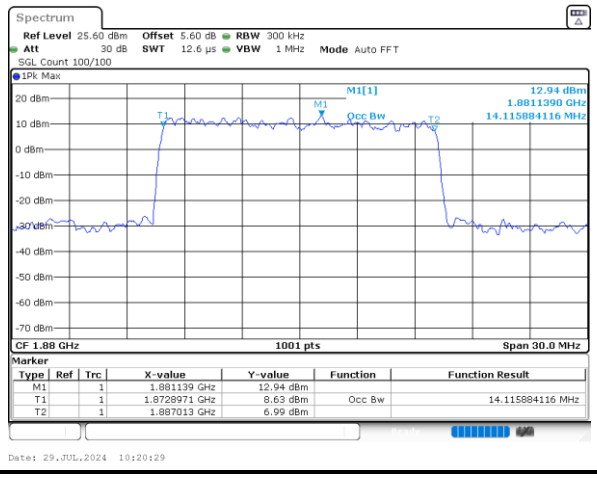
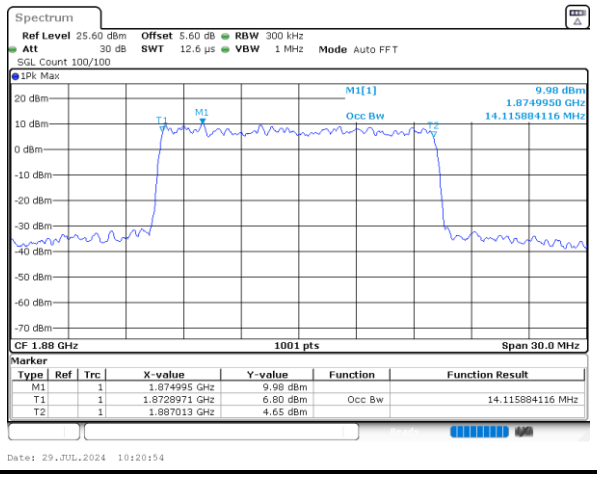
64QAM

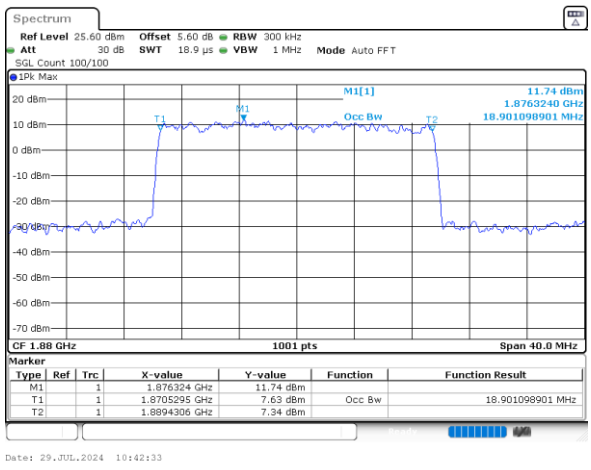
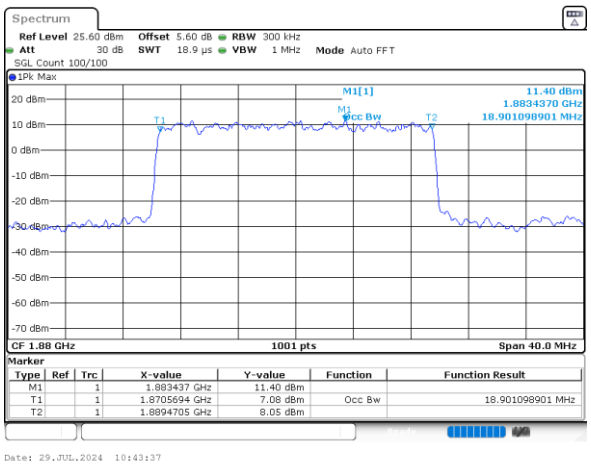
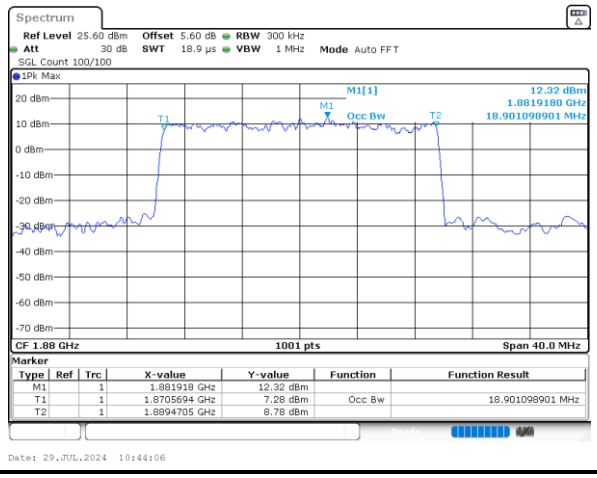
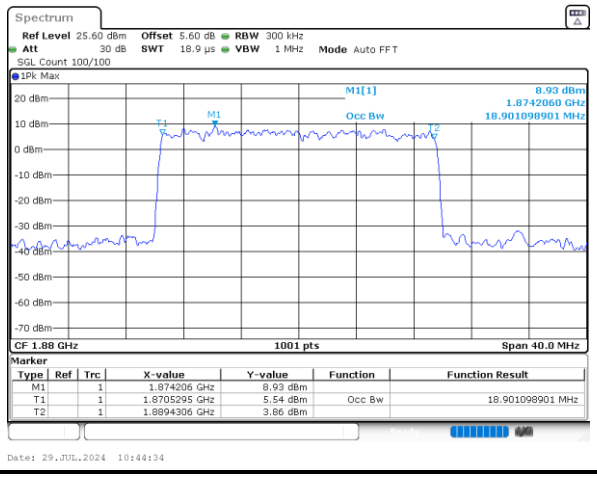


256QAM



FR1 N2 / 10MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	64QAM
	

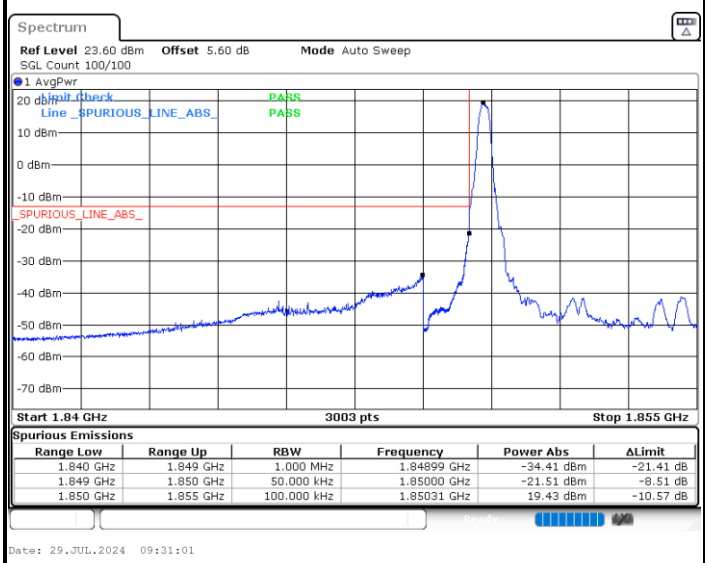
FR1 N2 / 15MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

FR1 N2 / 20MHz / CP OFDM / Middle Channel / Full RB	
QPSK	16QAM
	
64QAM	256QAM
	

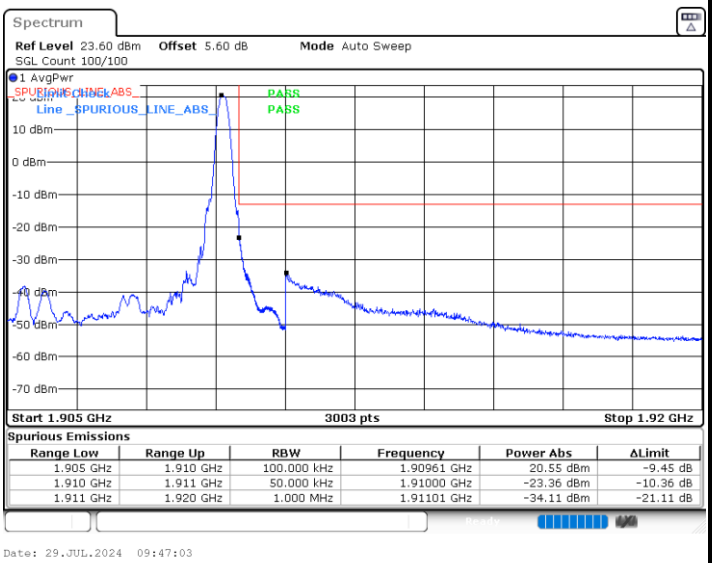
Conducted Band Edge

FR1 N2 / 5MHz / DFT-S OFDM / PI/2 BPSK

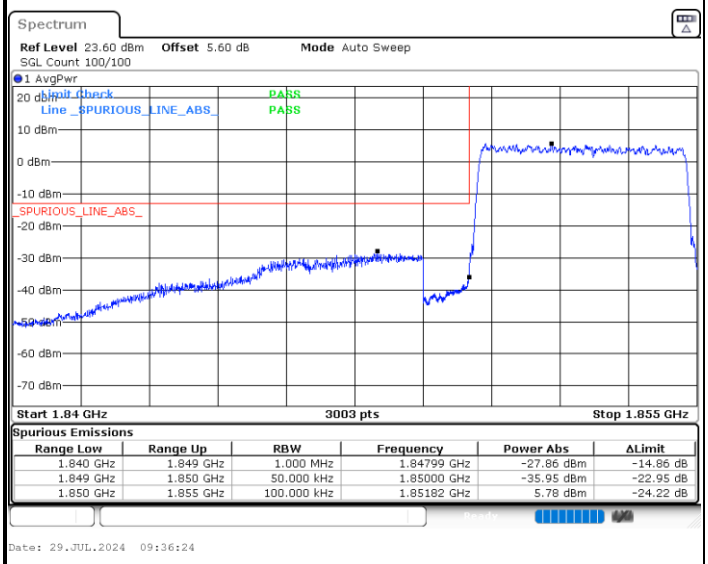
Lowest Band Edge / 1RB0



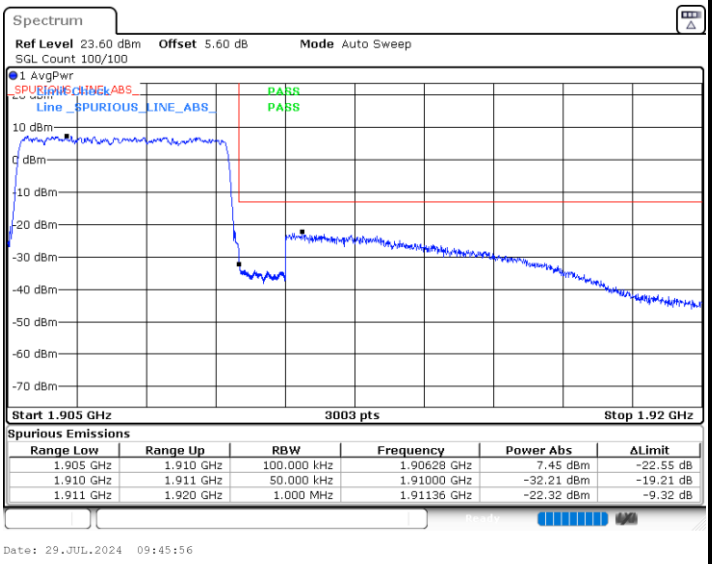
Highest Band Edge / 1RBmax



Lowest Band Edge / Full RB

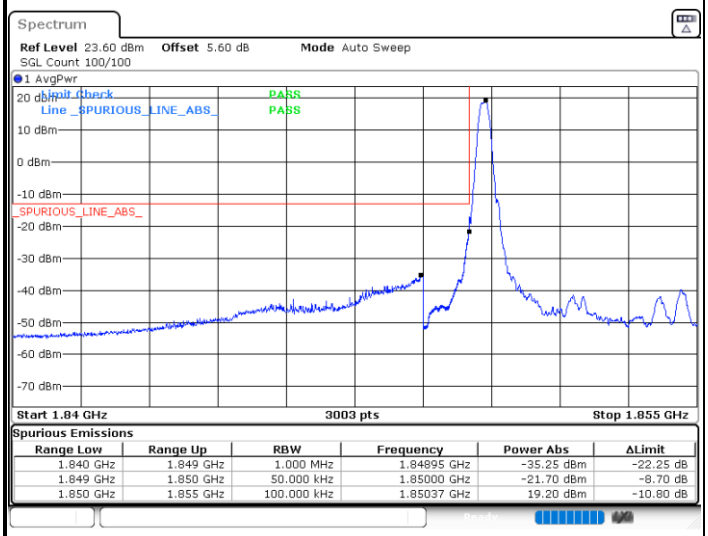


Highest Band Edge / Full RB



FR1 N2 / 5MHz / DFT-S OFDM / QPSK

Lowest Band Edge / 1RB0

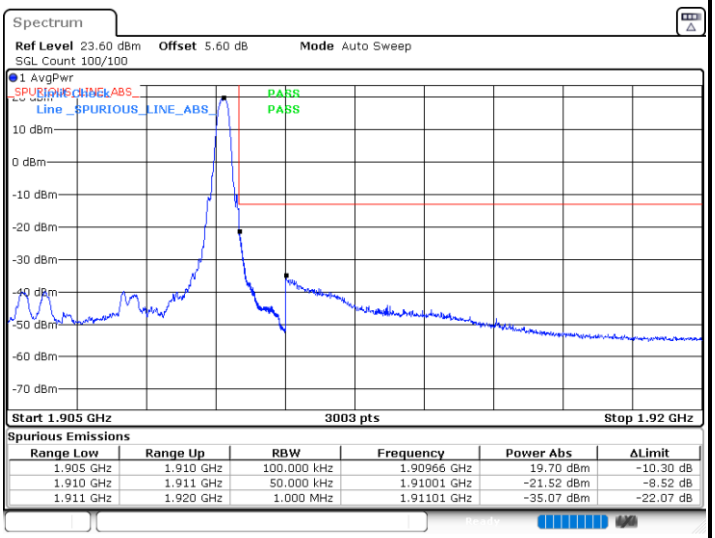


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84895 GHz	-35.25 dBm	-22.25 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-21.70 dBm	-8.70 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85037 GHz	19.20 dBm	-10.80 dB

Date: 29.JUL.2024 09:32:14

Highest Band Edge / 1RBmax

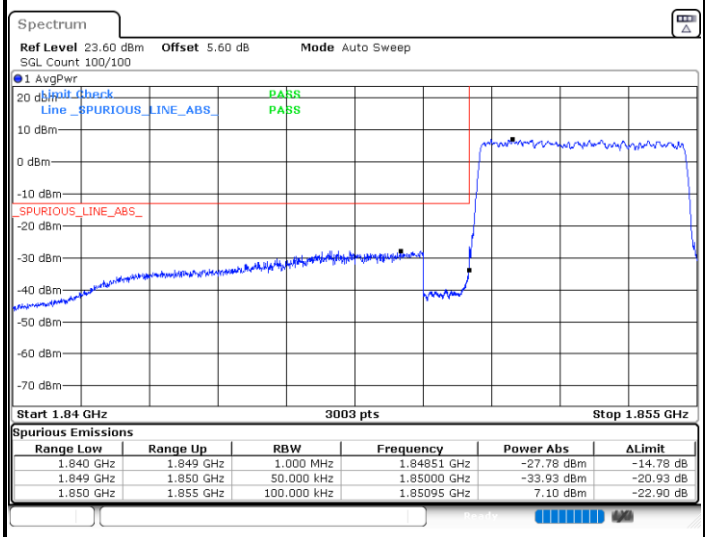


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90966 GHz	19.70 dBm	-10.30 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91001 GHz	-21.52 dBm	-8.52 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-35.07 dBm	-22.07 dB

Date: 29.JUL.2024 09:46:34

Lowest Band Edge / Full RB

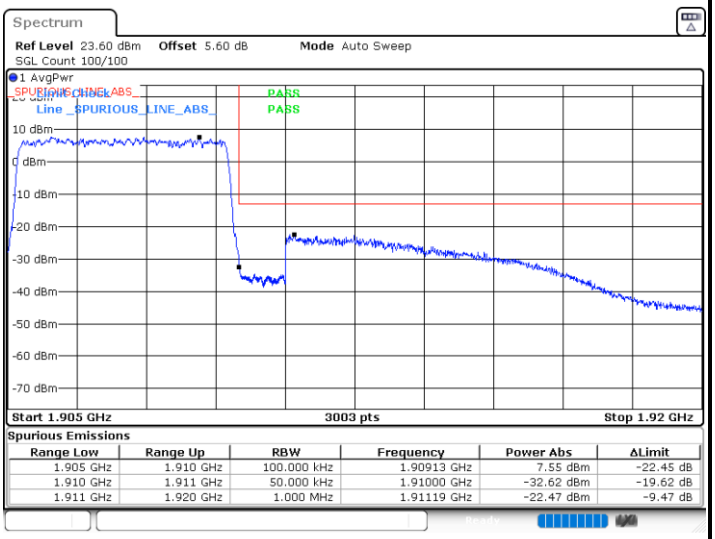


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84851 GHz	-27.78 dBm	-14.78 dB
1.849 GHz	1.850 GHz	50.000 kHz	1.85000 GHz	-33.93 dBm	-20.93 dB
1.850 GHz	1.855 GHz	100.000 kHz	1.85095 GHz	7.10 dBm	-22.90 dB

Date: 29.JUL.2024 09:37:03

Highest Band Edge / Full RB



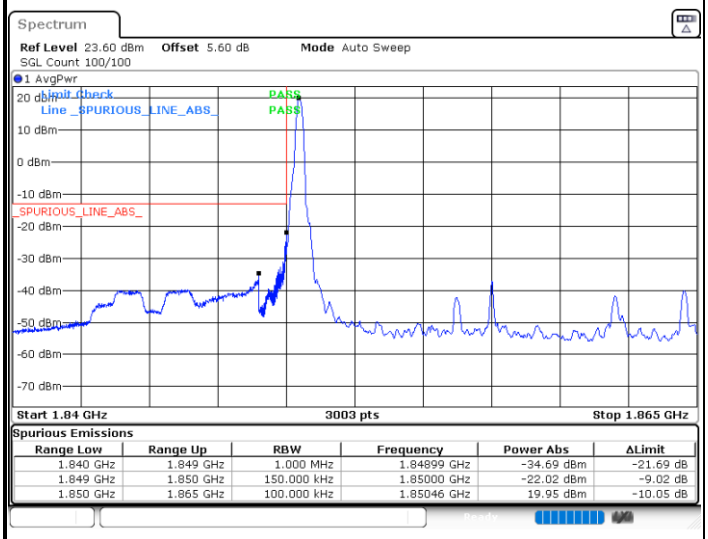
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.905 GHz	1.910 GHz	100.000 kHz	1.90913 GHz	7.55 dBm	-22.45 dB
1.910 GHz	1.911 GHz	50.000 kHz	1.91000 GHz	-32.62 dBm	-19.62 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91119 GHz	-22.47 dBm	-9.47 dB

Date: 29.JUL.2024 09:45:34

FR1 N2 / 15MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

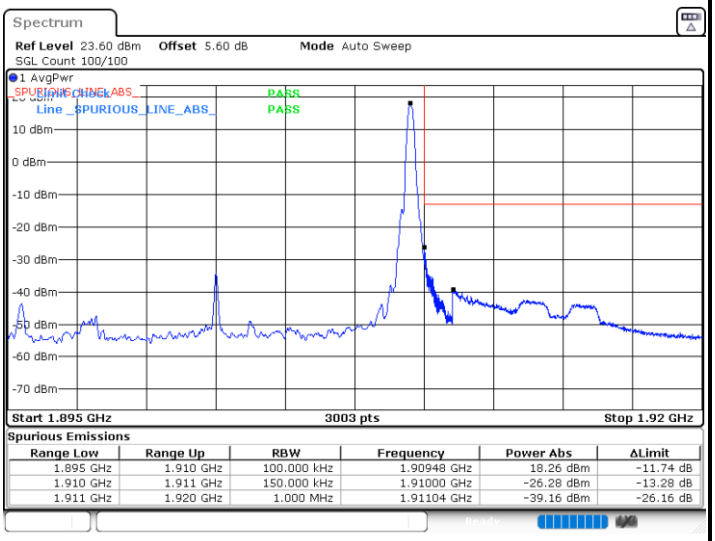


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-34.69 dBm	-21.69 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.85000 GHz	-22.02 dBm	-9.02 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85046 GHz	19.95 dBm	-10.05 dB

Date: 29.JUL.2024 09:55:46

Highest Band Edge / 1RBmax

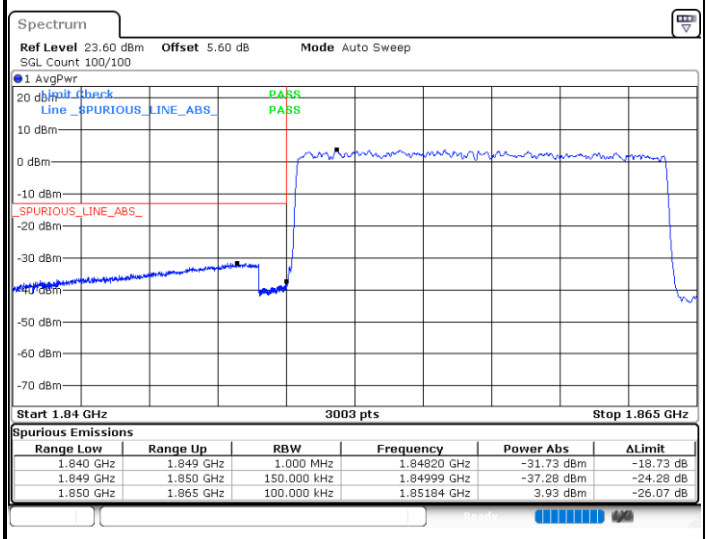


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90948 GHz	18.26 dBm	-11.74 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91000 GHz	-26.28 dBm	-13.28 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91104 GHz	-39.16 dBm	-26.16 dB

Date: 29.JUL.2024 10:33:42

Lowest Band Edge / Full RB

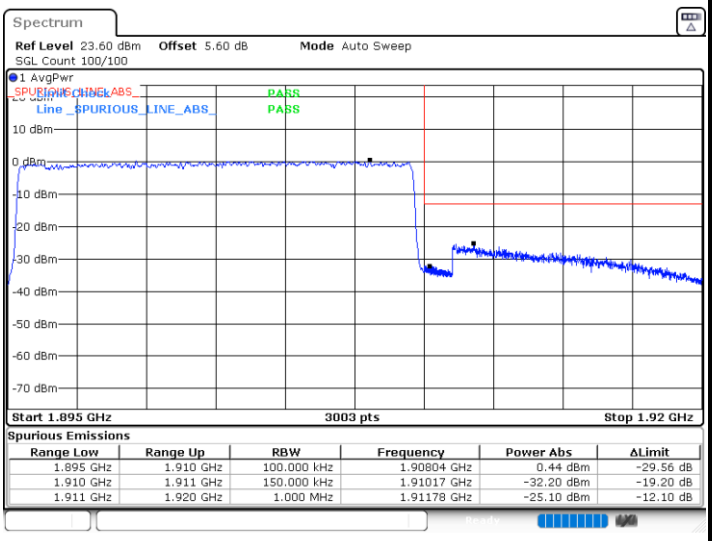


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84820 GHz	-31.73 dBm	-18.73 dB
1.849 GHz	1.850 GHz	150.000 kHz	1.84999 GHz	-37.28 dBm	-24.28 dB
1.850 GHz	1.865 GHz	100.000 kHz	1.85184 GHz	3.93 dBm	-26.07 dB

Date: 13.AUG.2024 18:29:41

Highest Band Edge / Full RB



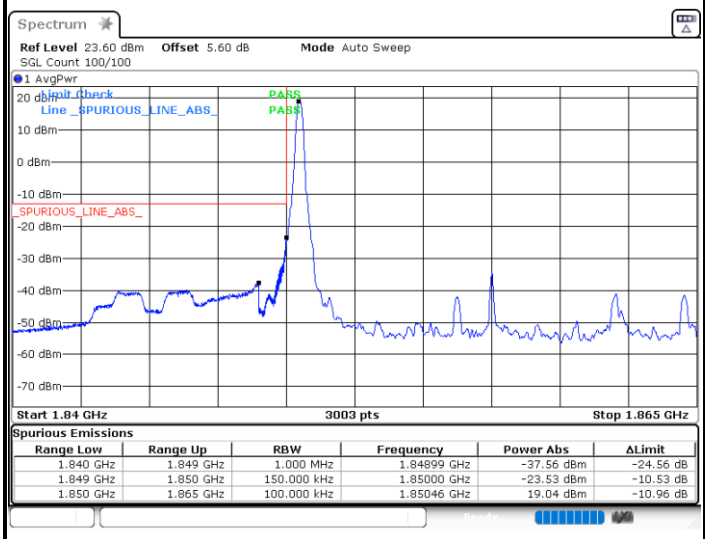
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.895 GHz	1.910 GHz	100.000 kHz	1.90804 GHz	0.44 dBm	-29.56 dB
1.910 GHz	1.911 GHz	150.000 kHz	1.91017 GHz	-32.20 dBm	-19.20 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91178 GHz	-25.10 dBm	-12.10 dB

Date: 29.JUL.2024 10:33:01

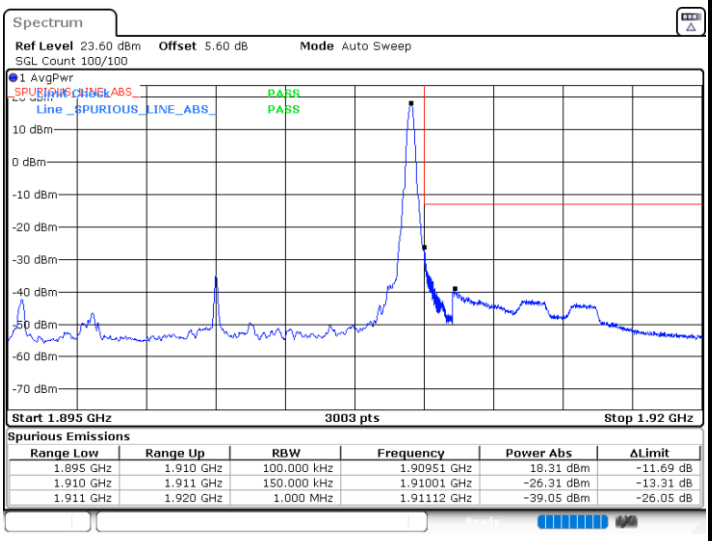
FR1 N2 / 15MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0



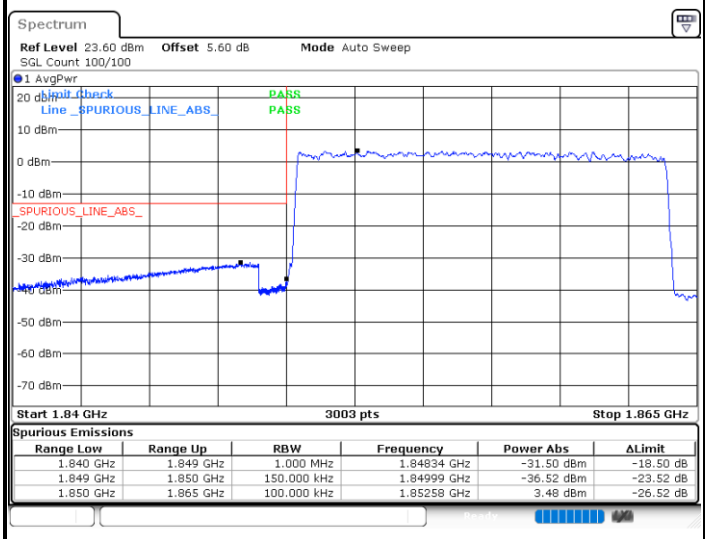
Date: 29.JUL.2024 09:55:22

Highest Band Edge / 1RBmax



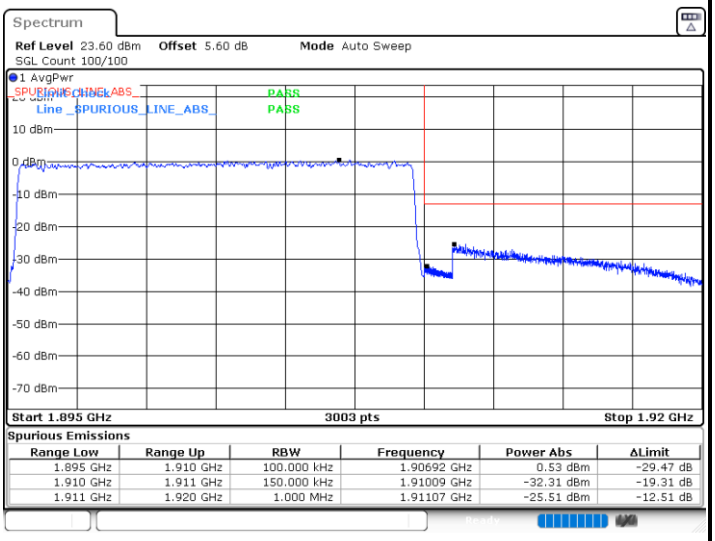
Date: 29.JUL.2024 10:33:53

Lowest Band Edge / Full RB



Date: 13.AUG.2024 18:29:55

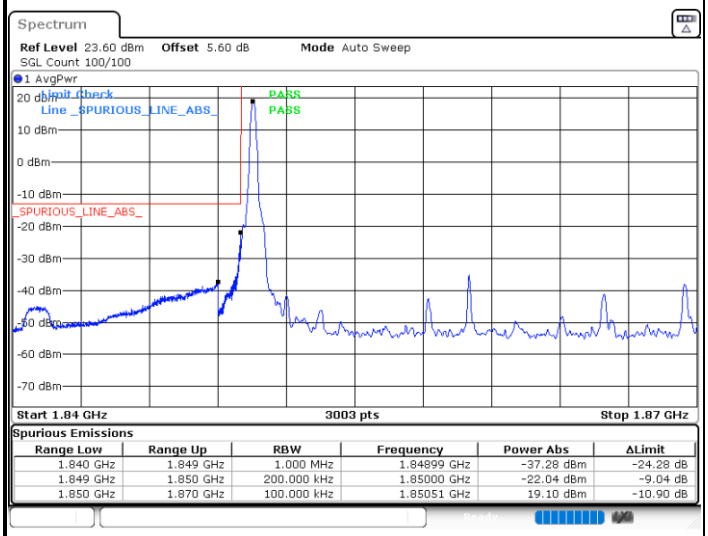
Highest Band Edge / Full RB



Date: 29.JUL.2024 10:32:46

FR1 N2 / 20MHz / DFT-s-OFDM / PI/2 BPSK

Lowest Band Edge / 1RB0

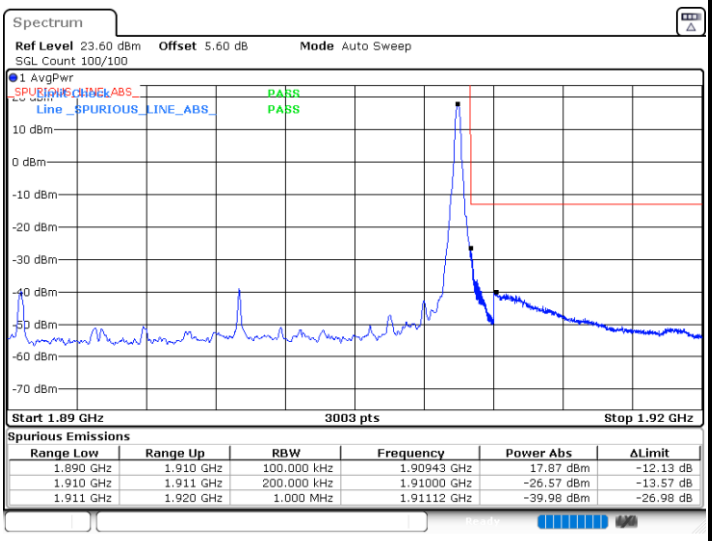


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84899 GHz	-37.28 dBm	-24.28 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.85000 GHz	-22.04 dBm	-9.04 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.85051 GHz	19.10 dBm	-10.90 dB

Date: 29.JUL.2024 10:35:27

Highest Band Edge / 1RBmax

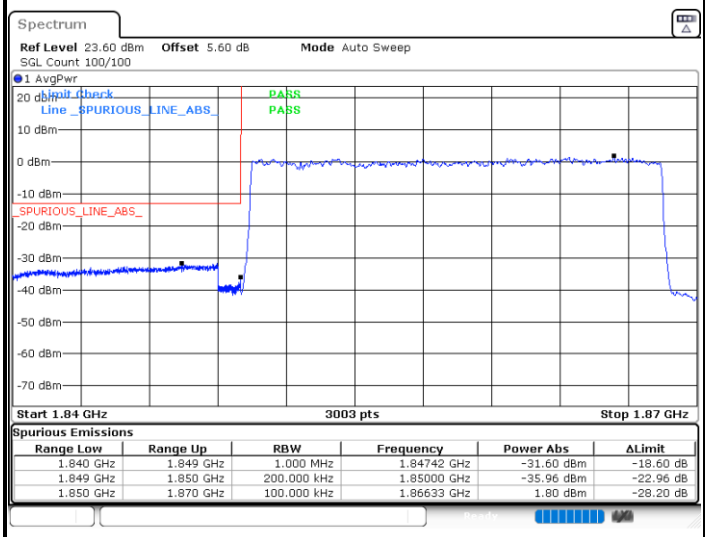


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90943 GHz	17.87 dBm	-12.13 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91000 GHz	-26.57 dBm	-13.57 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91112 GHz	-39.98 dBm	-26.98 dB

Date: 29.JUL.2024 10:56:18

Lowest Band Edge / Full RB

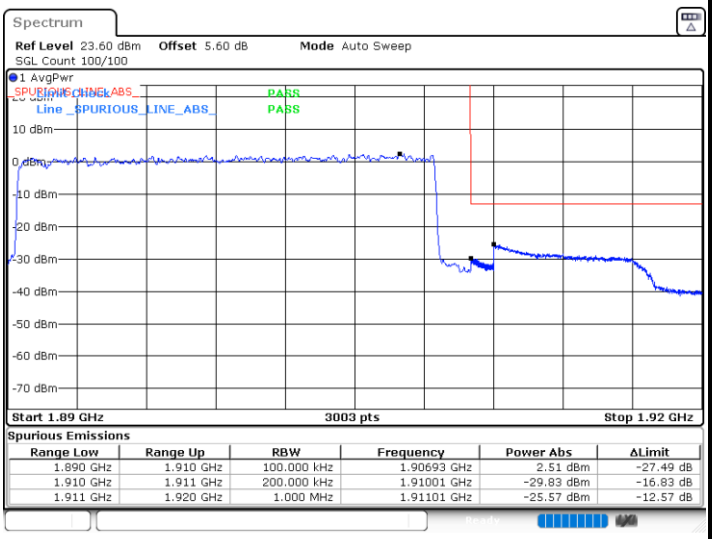


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.840 GHz	1.849 GHz	1.000 MHz	1.84742 GHz	-31.60 dBm	-18.60 dB
1.849 GHz	1.850 GHz	200.000 kHz	1.85000 GHz	-35.96 dBm	-22.96 dB
1.850 GHz	1.870 GHz	100.000 kHz	1.86633 GHz	1.80 dBm	-28.20 dB

Date: 29.JUL.2024 10:39:36

Highest Band Edge / Full RB



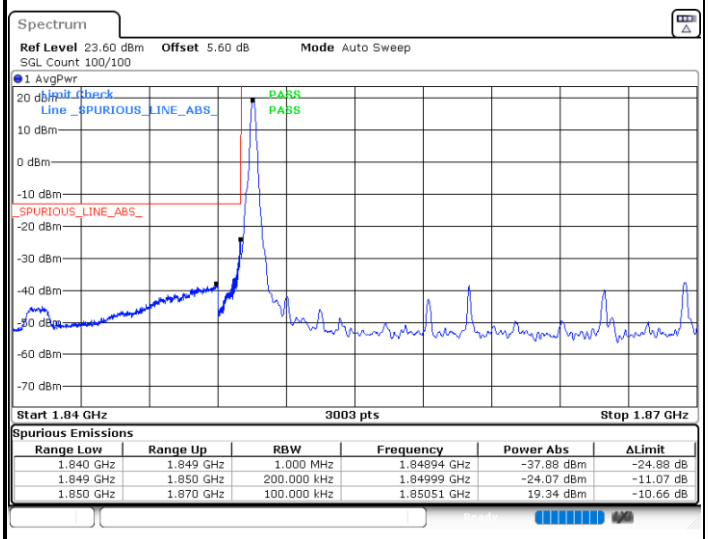
Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
1.890 GHz	1.910 GHz	100.000 kHz	1.90693 GHz	2.51 dBm	-27.49 dB
1.910 GHz	1.911 GHz	200.000 kHz	1.91001 GHz	-29.83 dBm	-16.83 dB
1.911 GHz	1.920 GHz	1.000 MHz	1.91101 GHz	-25.57 dBm	-12.57 dB

Date: 29.JUL.2024 10:54:55

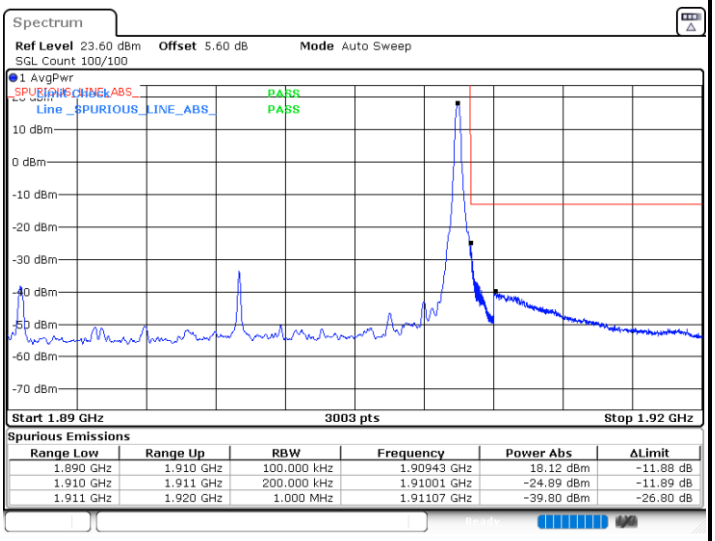
FR1 N2 / 20MHz / DFT-s-OFDM / QPSK

Lowest Band Edge / 1RB0



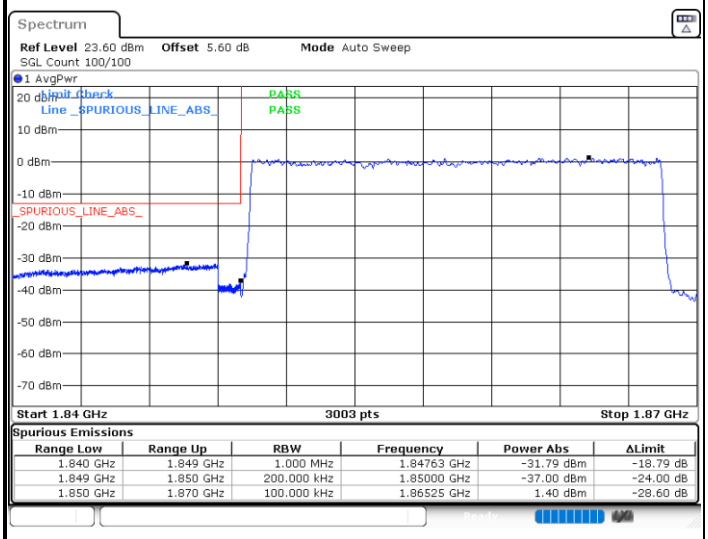
Date: 29.JUL.2024 10:35:11

Highest Band Edge / 1RBmax



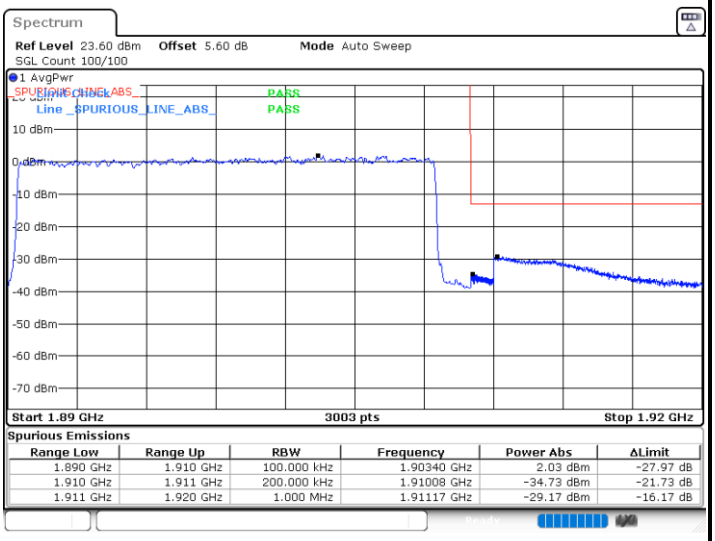
Date: 29.JUL.2024 10:57:29

Lowest Band Edge / Full RB



Date: 29.JUL.2024 10:39:24

Highest Band Edge / Full RB

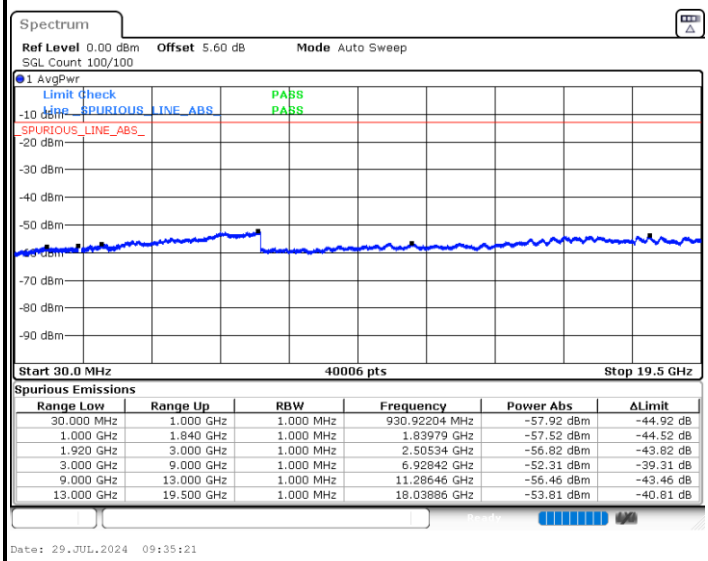


Date: 29.JUL.2024 10:50:54

Conducted Spurious Emission

FR1 N2 / 5MHz / DFT-S OFDM / BPSK

Lowest Channel / 1RB1

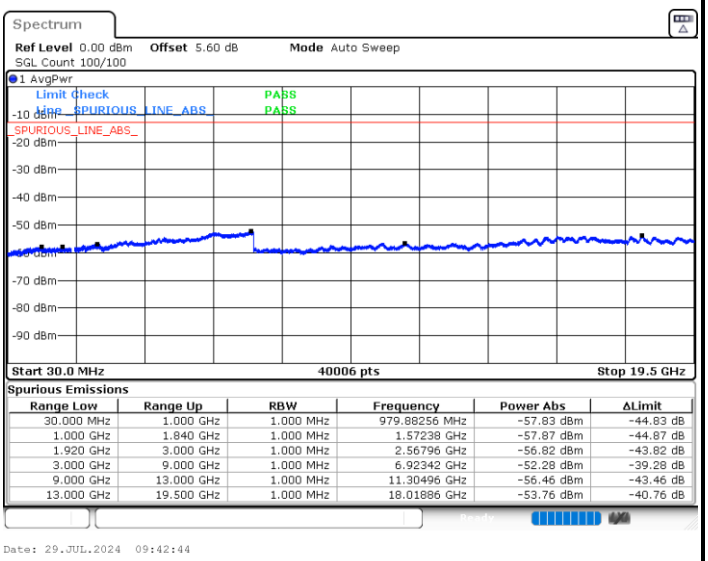


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	930.92204 MHz	-57.92 dBm	-44.92 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-57.52 dBm	-44.52 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.50534 GHz	-56.82 dBm	-43.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92842 GHz	-52.31 dBm	-39.31 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.28646 GHz	-56.46 dBm	-43.46 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.03886 GHz	-53.81 dBm	-40.81 dB

Date: 29.JUL.2024 09:35:21

Middle Channel / 1RB1

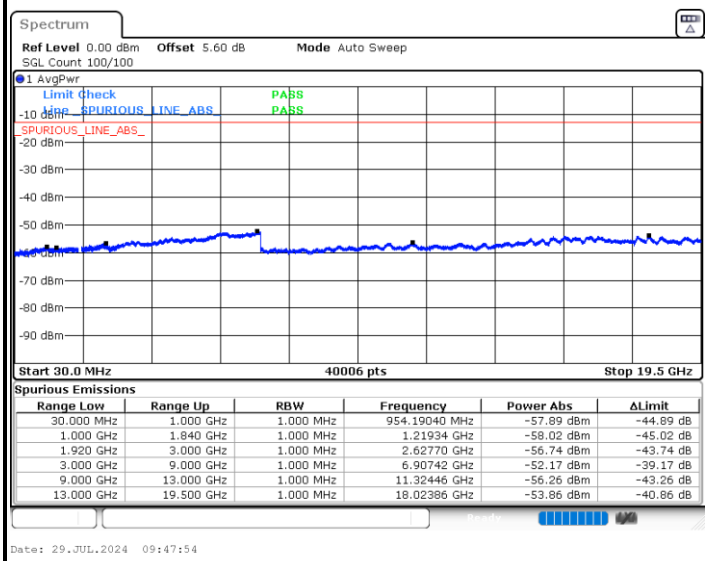


Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	979.88256 MHz	-57.83 dBm	-44.83 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.57238 GHz	-57.87 dBm	-44.87 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.56796 GHz	-56.82 dBm	-43.82 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.92342 GHz	-52.28 dBm	-39.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.30496 GHz	-56.46 dBm	-43.46 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.01886 GHz	-53.76 dBm	-40.76 dB

Date: 29.JUL.2024 09:42:44

Highest Channel / 1RB1

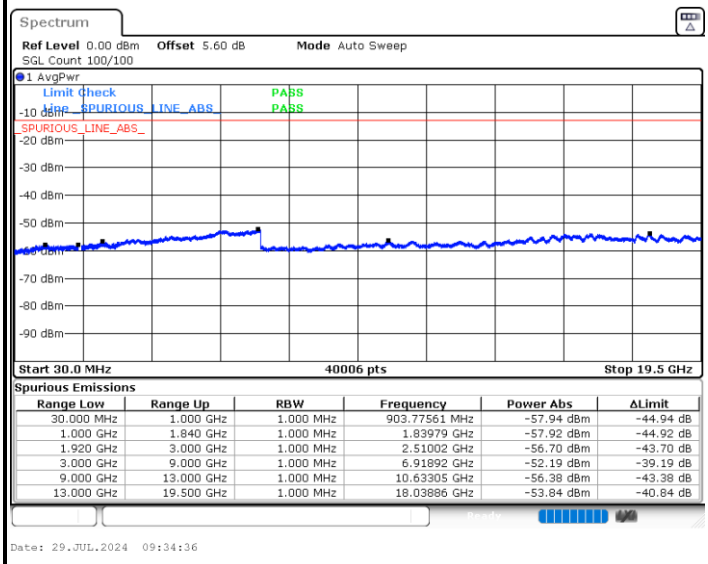
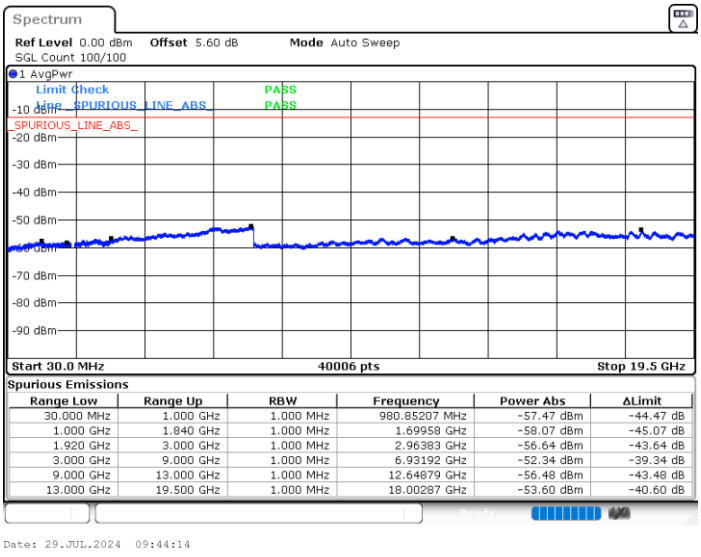
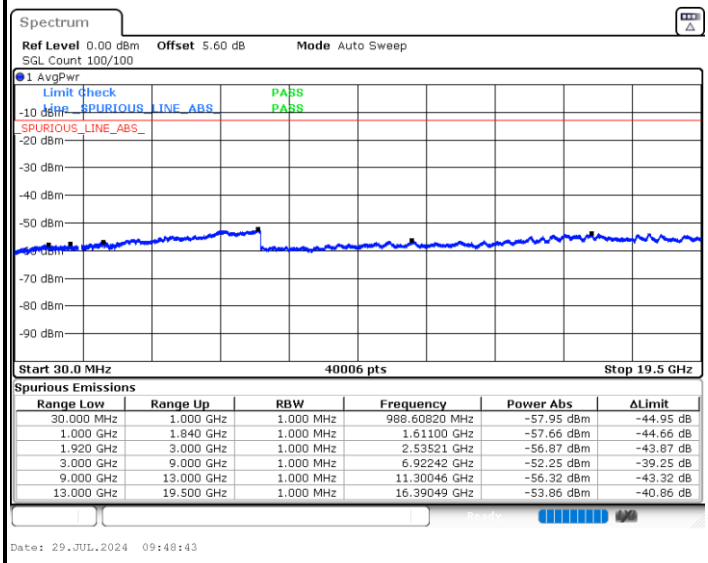


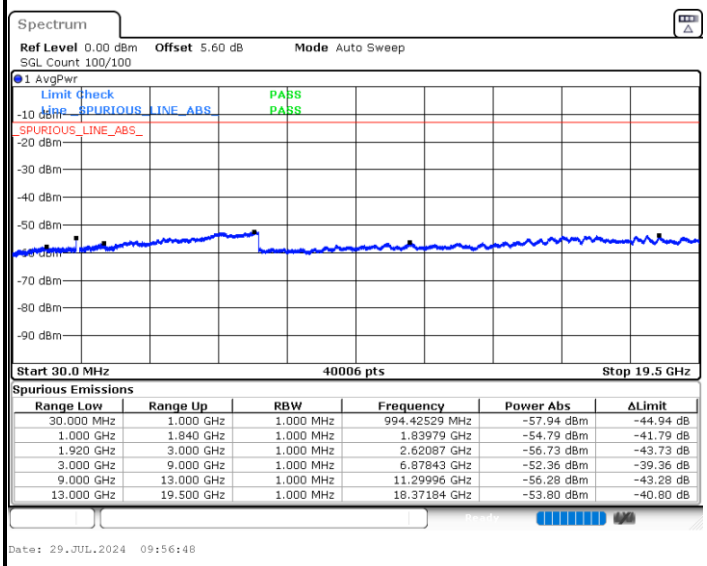
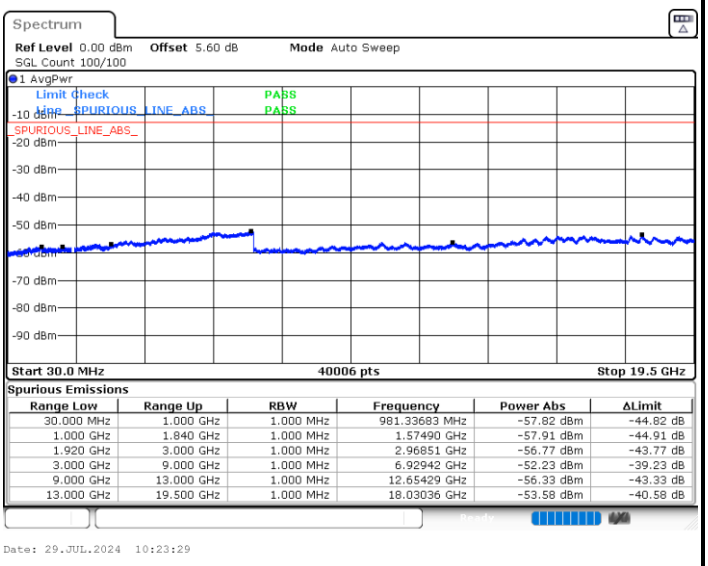
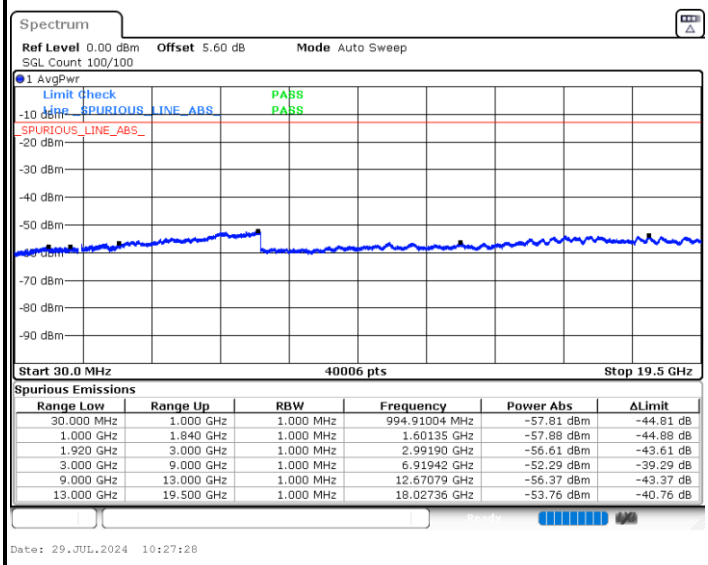
Spurious Emissions

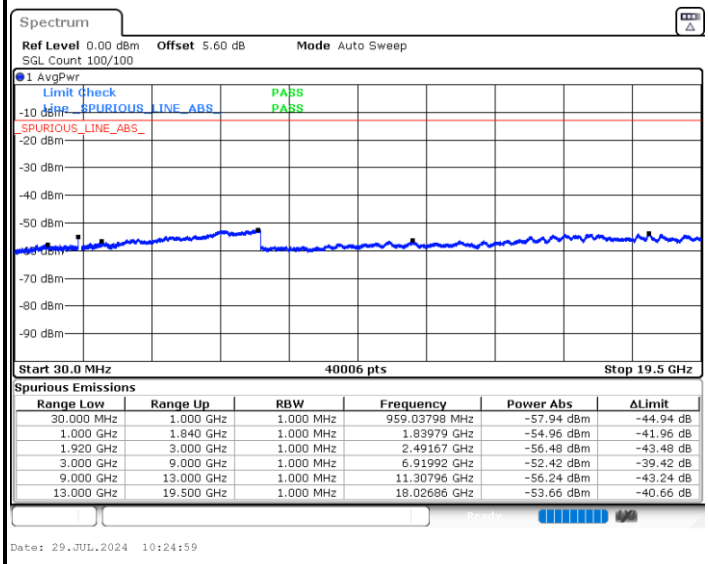
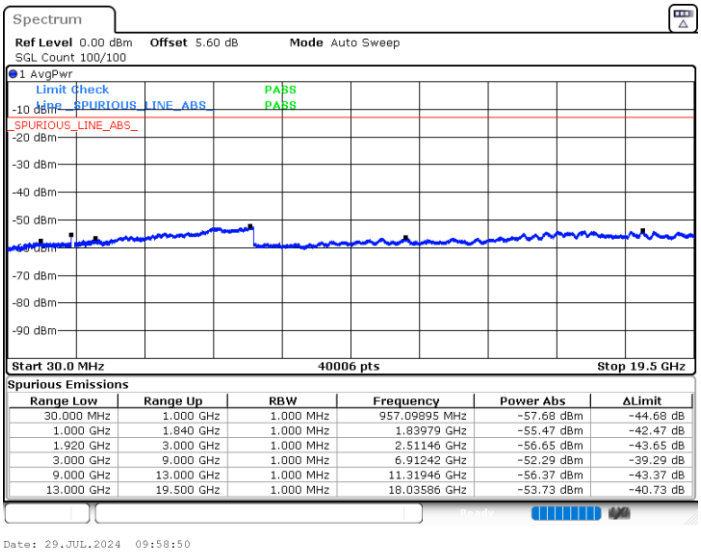
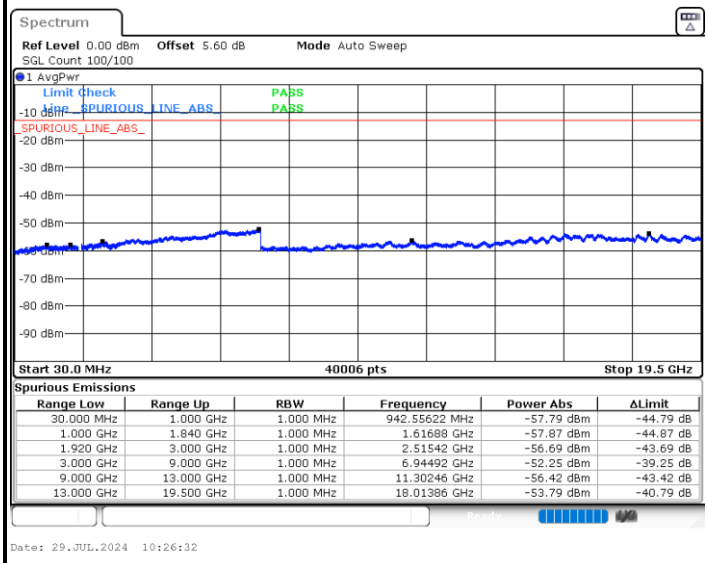
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	954.19040 MHz	-57.89 dBm	-44.89 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.21934 GHz	-58.02 dBm	-45.02 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.62770 GHz	-56.74 dBm	-43.74 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90742 GHz	-52.17 dBm	-39.17 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.32446 GHz	-56.26 dBm	-43.26 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.02386 GHz	-53.86 dBm	-40.86 dB

Date: 29.JUL.2024 09:47:54

NA

FR1 N2 / 5MHz / DFT-S OFDM / QPSK	
Lowest Channel / 1RB1	**Middle Channel / 1RB1**
	
Highest Channel / 1RB1	
	**NA**

FR1 N2 / 15MHz / DFT-S OFDM / BPSK	
Lowest Channel / 1RB1	**Middle Channel / 1RB1**
	
Highest Channel / 1RB1	
	**NA**

FR1 N2 / 15MHz / DFT-S OFDM / QPSK	
Lowest Channel / 1RB1	**Middle Channel / 1RB1**
	
Highest Channel / 1RB1	
	**NA**

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	959.03798 MHz	-57.94 dBm	-44.94 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-54.96 dBm	-41.96 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.49167 GHz	-56.48 dBm	-43.48 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91992 GHz	-52.42 dBm	-39.42 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.30796 GHz	-56.24 dBm	-43.24 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.02686 GHz	-53.66 dBm	-40.66 dB

Date: 29.JUL.2024 10:24:59

Spurious Emissions

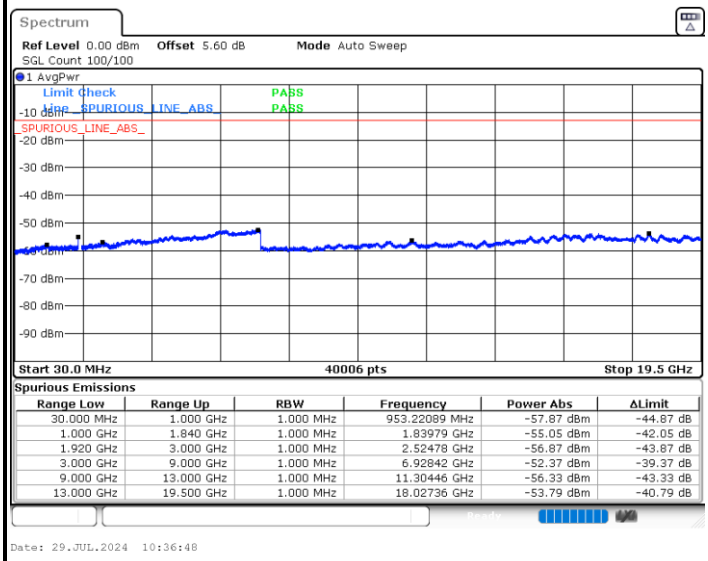
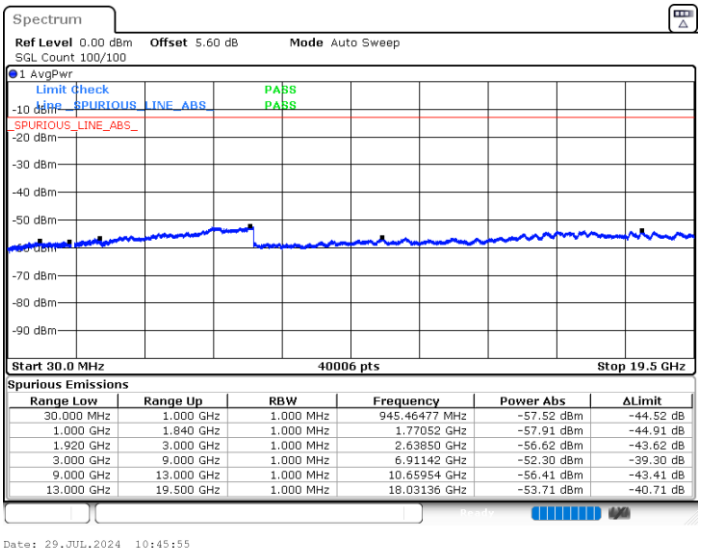
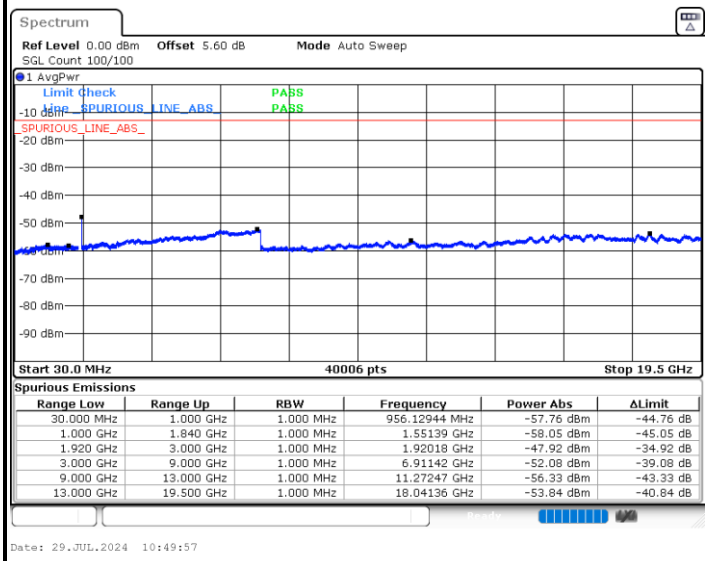
Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	957.09895 MHz	-57.68 dBm	-44.68 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-55.47 dBm	-42.47 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51146 GHz	-56.65 dBm	-43.65 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.91242 GHz	-52.29 dBm	-39.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.31946 GHz	-56.37 dBm	-43.37 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.03586 GHz	-53.73 dBm	-40.73 dB

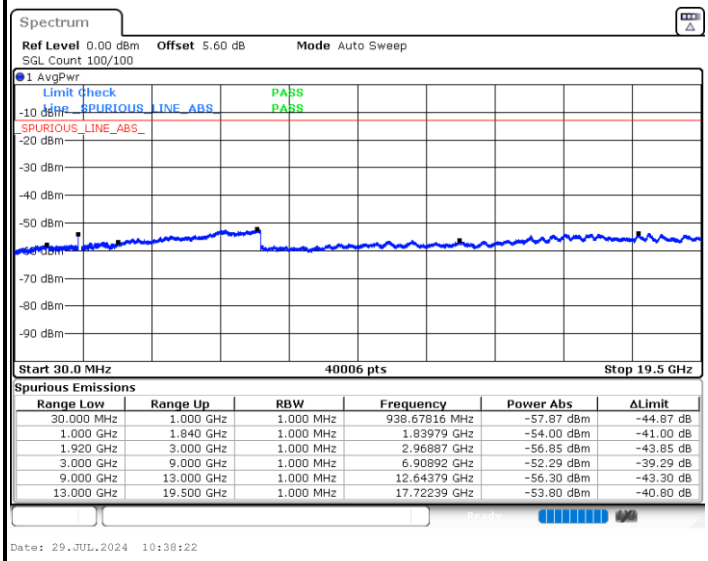
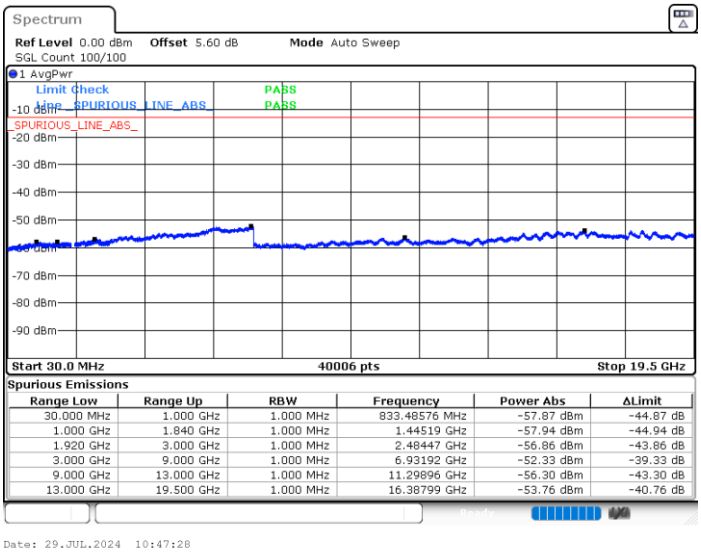
Date: 29.JUL.2024 09:58:50

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	942.55622 MHz	-57.79 dBm	-44.79 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.61688 GHz	-57.87 dBm	-44.87 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.51542 GHz	-56.69 dBm	-43.69 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.94492 GHz	-52.25 dBm	-39.25 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.30246 GHz	-56.42 dBm	-43.42 dB
13.000 GHz	19.500 GHz	1.000 MHz	18.01386 GHz	-53.79 dBm	-40.79 dB

Date: 29.JUL.2024 10:26:32

FR1 N2 / 20MHz / DFT-S OFDM / BPSK	
Lowest Channel / 1RB1	**Middle Channel / 1RB1**
	
Highest Channel / 1RB1	
	**NA**

FR1 N2 / 20MHz / DFT-S OFDM / QPSK	
Lowest Channel / 1RB1	**Middle Channel / 1RB1**
	
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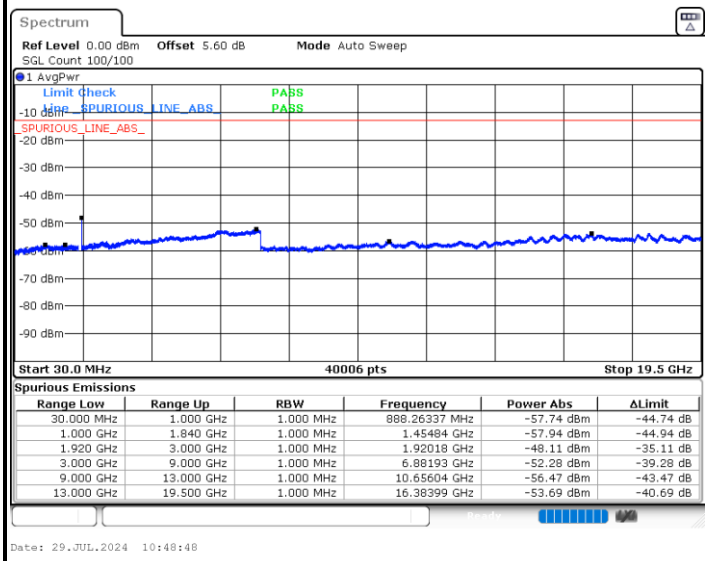
	**NA**

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	938.67816 MHz	-57.87 dBm	-44.87 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.83979 GHz	-54.00 dBm	-41.00 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.96887 GHz	-56.85 dBm	-43.85 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.90892 GHz	-52.29 dBm	-39.29 dB
9.000 GHz	13.000 GHz	1.000 MHz	12.64379 GHz	-56.30 dBm	-43.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	17.72239 GHz	-53.80 dBm	-40.80 dB

Date: 29.JUL.2024 10:38:22

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	833.48576 MHz	-57.87 dBm	-44.87 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.44519 GHz	-57.94 dBm	-44.94 dB
1.920 GHz	3.000 GHz	1.000 MHz	2.48447 GHz	-56.86 dBm	-43.86 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.93192 GHz	-52.33 dBm	-39.33 dB
9.000 GHz	13.000 GHz	1.000 MHz	11.29896 GHz	-56.30 dBm	-43.30 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.38799 GHz	-53.76 dBm	-40.76 dB

Date: 29.JUL.2024 10:47:28

Spurious Emissions

Range Low	Range Up	RBW	Frequency	Power Abs	ΔLimit
30.000 MHz	1.000 GHz	1.000 MHz	888.26337 MHz	-57.74 dBm	-44.74 dB
1.000 GHz	1.840 GHz	1.000 MHz	1.45484 GHz	-57.94 dBm	-44.94 dB
1.920 GHz	3.000 GHz	1.000 MHz	1.92018 GHz	-48.11 dBm	-35.11 dB
3.000 GHz	9.000 GHz	1.000 MHz	6.88193 GHz	-52.28 dBm	-39.28 dB
9.000 GHz	13.000 GHz	1.000 MHz	10.65604 GHz	-56.47 dBm	-43.47 dB
13.000 GHz	19.500 GHz	1.000 MHz	16.38399 GHz	-53.69 dBm	-40.69 dB

Date: 29.JUL.2024 10:48:48

Frequency Stability

Test Conditions		FR1 N2 (QPSK) / Middle Channel	Limit
Temperature (°C)	Voltage (Volt)	BW 20MHz	Note 2.
		Deviation (ppm)	Result
50	Normal Voltage	0.0003	PASS
40	Normal Voltage	0.0011	
30	Normal Voltage	0.0029	
20(Ref.)	Normal Voltage	0.0000	
10	Normal Voltage	0.0004	
0	Normal Voltage	0.0019	
-10	Normal Voltage	0.0027	
-20	Normal Voltage	0.0013	
-30	Normal Voltage	0.0008	
20	Maximum Voltage	0.0013	
20	Normal Voltage	0.0005	
20	Battery End Point	0.0017	

Note:

1. Normal Voltage =3.91 V. ; Battery End Point (BEP) =3.6 V. ; Maximum Voltage =4.3 V.

2. Note: The frequency fundamental emissions stay within the authorized frequency block.

Software Version: 23.06.1602

FR1 N5-SCS 15k (ANT 1)

Transmitter Conducted Output Power And ERP, (G_T - L_C)=-4.0dBi

NR Band	SCS	BandWidth	Arfcn	Freq(MHz)	Modulation	RB	Conducted Power(dBm)	ERP(dBm)	ERP(W)
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	50@25	24.32	18.17	0.0656
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@1	24.22	18.07	0.0641
5	15	20	166800	834	DFT-s-OFDM PI/2 BPSK	1@104	24.27	18.12	0.0649
5	15	20	166800	834	DFT-s-OFDM QPSK	50@25	24.37	18.22	0.0664
5	15	20	166800	834	DFT-s-OFDM QPSK	1@1	24.11	17.96	0.0625
5	15	20	166800	834	DFT-s-OFDM QPSK	1@104	24.2	18.05	0.0638
5	15	20	166800	834	DFT-s-OFDM 16 QAM	50@25	23.32	17.17	0.0521
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@1	23.34	17.19	0.0524
5	15	20	166800	834	DFT-s-OFDM 16 QAM	1@104	23.4	17.25	0.0531
5	15	20	166800	834	DFT-s-OFDM 64 QAM	50@25	21.81	15.66	0.0368
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@1	21.86	15.71	0.0372
5	15	20	166800	834	DFT-s-OFDM 64 QAM	1@104	21.89	15.74	0.0375
5	15	20	166800	834	DFT-s-OFDM 256 QAM	50@25	19.97	13.82	0.0241
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@1	19.74	13.59	0.0229
5	15	20	166800	834	DFT-s-OFDM 256 QAM	1@104	19.89	13.74	0.0237
5	15	20	166800	834	CP-OFDM QPSK	53@26	22.76	16.61	0.0458
5	15	20	166800	834	CP-OFDM QPSK	1@1	22.61	16.46	0.0443
5	15	20	166800	834	CP-OFDM QPSK	1@104	22.66	16.51	0.0448
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	50@25	24.46	18.31	0.0678
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	24.23	18.08	0.0643
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@104	24.23	18.08	0.0643
5	15	20	167300	836.5	DFT-s-OFDM QPSK	50@25	24.36	18.21	0.0662
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@1	24.15	18	0.0631
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@104	24.17	18.02	0.0634
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	50@25	23.35	17.2	0.0525
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.38	17.23	0.0528
5	15	20	167300	836.5	DFT-s-OFDM 16 QAM	1@104	23.48	17.33	0.0541
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	50@25	21.82	15.67	0.0369
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@1	21.91	15.76	0.0377
5	15	20	167300	836.5	DFT-s-OFDM 64 QAM	1@104	21.98	15.83	0.0383
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	50@25	19.99	13.84	0.0242
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@1	19.79	13.64	0.0231
5	15	20	167300	836.5	DFT-s-OFDM 256 QAM	1@104	19.87	13.72	0.0236
5	15	20	167300	836.5	CP-OFDM QPSK	53@26	22.84	16.69	0.0467
5	15	20	167300	836.5	CP-OFDM QPSK	1@1	22.76	16.61	0.0458

5	15	20	167300	836.5	CP-OFDM QPSK	1@104	22.63	16.48	0.0445
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	50@25	24.4	18.25	0.0668
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@1	24.17	18.02	0.0634
5	15	20	167800	839	DFT-s-OFDM PI/2 BPSK	1@104	24.21	18.06	0.0640
5	15	20	167800	839	DFT-s-OFDM QPSK	50@25	24.34	18.19	0.0659
5	15	20	167800	839	DFT-s-OFDM QPSK	1@1	24.1	17.95	0.0624
5	15	20	167800	839	DFT-s-OFDM QPSK	1@104	24.12	17.97	0.0627
5	15	20	167800	839	DFT-s-OFDM 16 QAM	50@25	23.35	17.2	0.0525
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@1	23.32	17.17	0.0521
5	15	20	167800	839	DFT-s-OFDM 16 QAM	1@104	23.39	17.24	0.0530
5	15	20	167800	839	DFT-s-OFDM 64 QAM	50@25	21.86	15.71	0.0372
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@1	21.86	15.71	0.0372
5	15	20	167800	839	DFT-s-OFDM 64 QAM	1@104	21.94	15.79	0.0379
5	15	20	167800	839	DFT-s-OFDM 256 QAM	50@25	19.99	13.84	0.0242
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@1	19.84	13.69	0.0234
5	15	20	167800	839	DFT-s-OFDM 256 QAM	1@104	19.82	13.67	0.0233
5	15	20	167800	839	CP-OFDM QPSK	53@26	22.84	16.69	0.0467
5	15	20	167800	839	CP-OFDM QPSK	1@1	22.6	16.45	0.0442
5	15	20	167800	839	CP-OFDM QPSK	1@104	22.61	16.46	0.0443
5	15	5	165300	826.5	DFT-s-OFDM PI/2 BPSK	1@1	24.19	18.04	0.0637
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@1	24.12	17.97	0.0627
5	15	5	165300	826.5	DFT-s-OFDM 16 QAM	1@1	23.33	17.18	0.0522
5	15	5	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	24.19	18.04	0.0637
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@1	24.07	17.92	0.0619
5	15	5	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.44	17.29	0.0536
5	15	5	169300	846.5	DFT-s-OFDM PI/2 BPSK	1@1	24.25	18.1	0.0646
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@1	24.18	18.03	0.0635
5	15	5	169300	846.5	DFT-s-OFDM 16 QAM	1@1	23.45	17.3	0.0537
5	15	10	165800	829	DFT-s-OFDM PI/2 BPSK	1@1	24.24	18.09	0.0644
5	15	10	165800	829	DFT-s-OFDM QPSK	1@1	24.17	18.02	0.0634
5	15	10	165800	829	DFT-s-OFDM 16 QAM	1@1	23.36	17.21	0.0526
5	15	10	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	24.31	18.16	0.0655
5	15	10	167300	836.5	DFT-s-OFDM QPSK	1@1	24.16	18.01	0.0632
5	15	10	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.52	17.37	0.0546
5	15	10	168800	844	DFT-s-OFDM PI/2 BPSK	1@1	24.33	18.18	0.0658
5	15	10	168800	844	DFT-s-OFDM QPSK	1@1	24.2	18.05	0.0638
5	15	10	168800	844	DFT-s-OFDM 16 QAM	1@1	23.45	17.3	0.0537
5	15	15	166300	831.5	DFT-s-OFDM PI/2 BPSK	1@1	24.24	18.09	0.0644
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@1	24.2	18.05	0.0638
5	15	15	166300	831.5	DFT-s-OFDM 16 QAM	1@1	23.39	17.24	0.0530
5	15	15	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@1	24.2	18.05	0.0638
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@1	24.13	17.98	0.0628

5	15	15	167300	836.5	DFT-s-OFDM 16 QAM	1@1	23.38	17.23	0.0528
5	15	15	168300	841.5	DFT-s-OFDM PI/2 BPSK	1@1	24.22	18.07	0.0641
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@1	24.15	18	0.0631
5	15	15	168300	841.5	DFT-s-OFDM 16 QAM	1@1	23.39	17.24	0.0530

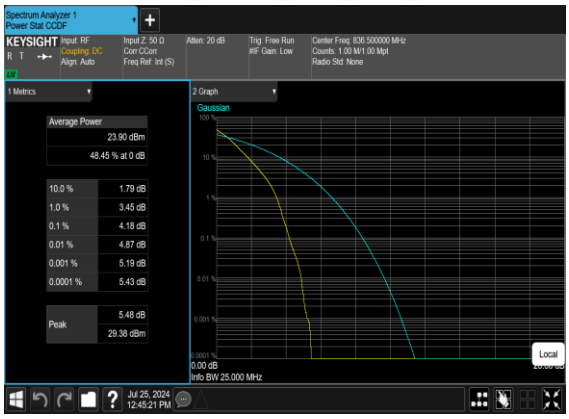
Frequency Stability

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Deviation (ppm)	Verdict	Environment
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0049	**PASS**	NV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0027	**PASS**	LV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0011	**PASS**	HV
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0045	**PASS**	-30℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0028	**PASS**	-20℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0021	**PASS**	-10℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0064	**PASS**	0℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0037	**PASS**	10℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0039	**PASS**	20℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0046	**PASS**	30℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	-0.0028	**PASS**	40℃
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	0.0034	**PASS**	50℃

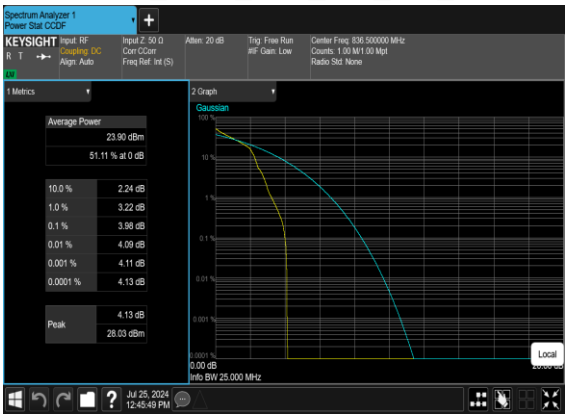
Peak to Average Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result (dB)	Limit (dB)	Verdict
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	100@0	4.18	13	**PASS**
5	15	20	167300	836.5	DFT-s-OFDM PI/2 BPSK	1@0	3.98	13	**PASS**
5	15	20	167300	836.5	DFT-s-OFDM QPSK	100@0	5.21	13	**PASS**
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	4.41	13	**PASS**

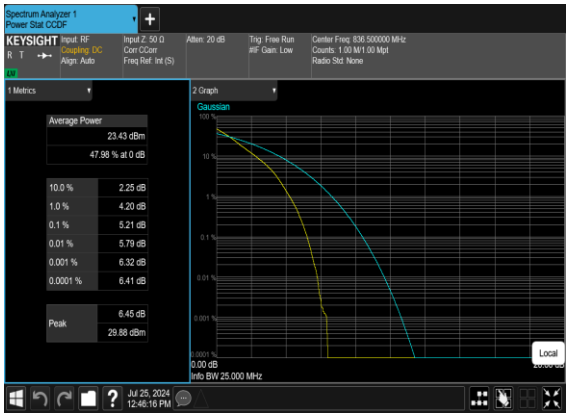
N5(20M)_DFT-s-OFDM_PI_2-BPSK_Outer_Full_Mid_CH



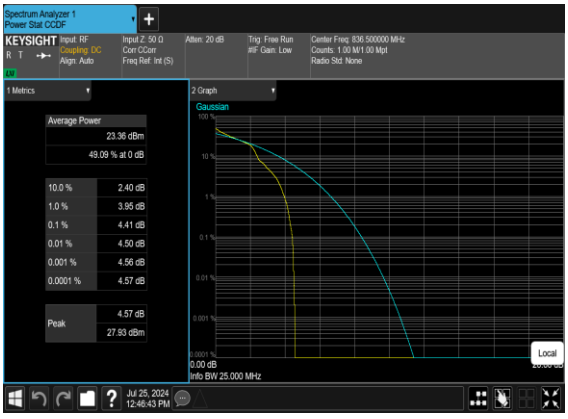
N5(20M)_DFT-s-OFDM_PI_2-BPSK_Edge_1RB_Left_Mid_CH



N5(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



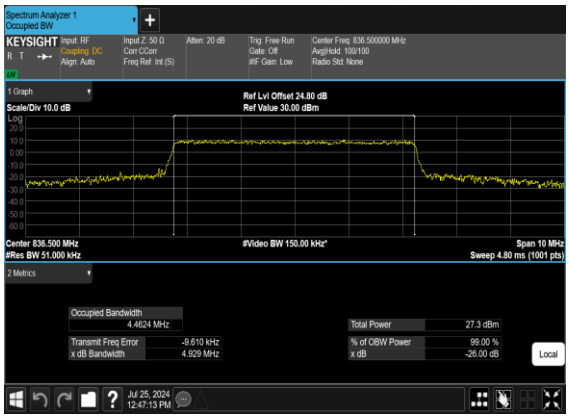
N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



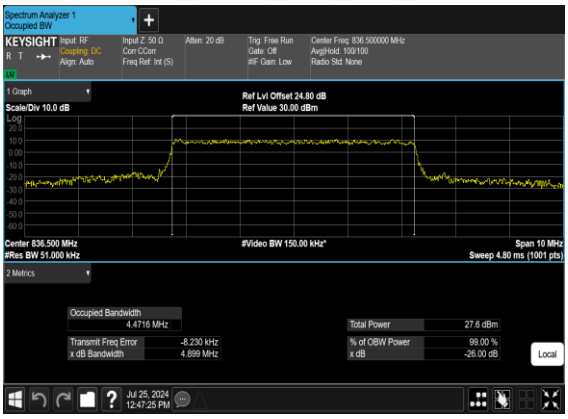
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
5	15	5	167300	836.5	CP-OFDM QPSK	25@0	4.4624	4.929
5	15	5	167300	836.5	CP-OFDM 16 QAM	25@0	4.4716	4.899
5	15	5	167300	836.5	CP-OFDM 64 QAM	25@0	4.4904	5.312
5	15	5	167300	836.5	CP-OFDM 256 QAM	25@0	4.4576	4.825
5	15	10	167300	836.5	CP-OFDM QPSK	52@0	9.2562	9.705
5	15	10	167300	836.5	CP-OFDM 16 QAM	52@0	9.27	9.703
5	15	10	167300	836.5	CP-OFDM 64 QAM	52@0	9.2785	9.701
5	15	10	167300	836.5	CP-OFDM 256 QAM	52@0	9.2645	9.725
5	15	15	167300	836.5	CP-OFDM QPSK	79@0	14.064	14.72
5	15	15	167300	836.5	CP-OFDM 16 QAM	79@0	14.105	14.7
5	15	15	167300	836.5	CP-OFDM 64 QAM	79@0	14.12	14.65
5	15	15	167300	836.5	CP-OFDM 256 QAM	79@0	14.104	14.7
5	15	20	167300	836.5	CP-OFDM QPSK	106@0	18.893	19.71
5	15	20	167300	836.5	CP-OFDM 16 QAM	106@0	18.909	19.63
5	15	20	167300	836.5	CP-OFDM 64 QAM	106@0	18.902	19.57
5	15	20	167300	836.5	CP-OFDM 256 QAM	106@0	18.923	19.72

N5(5M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



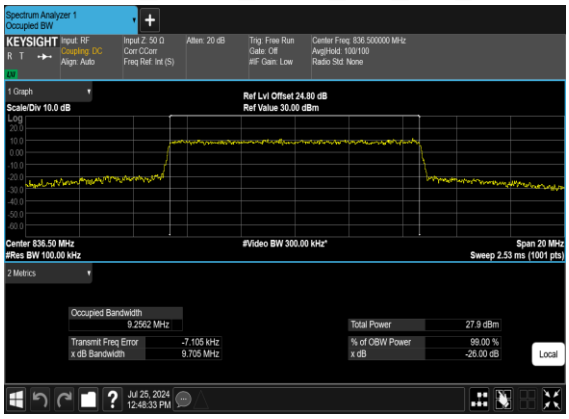
N5(5M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



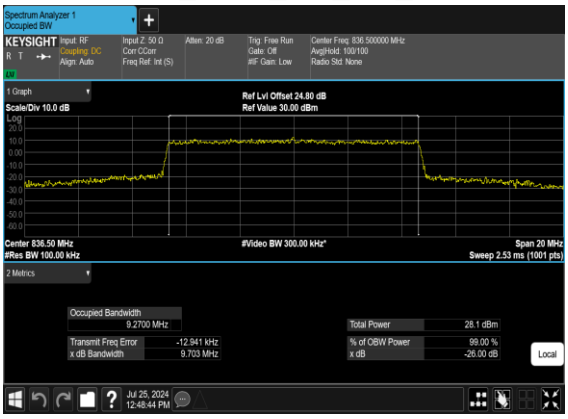
N5(5M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

N5(5M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

N5(10M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



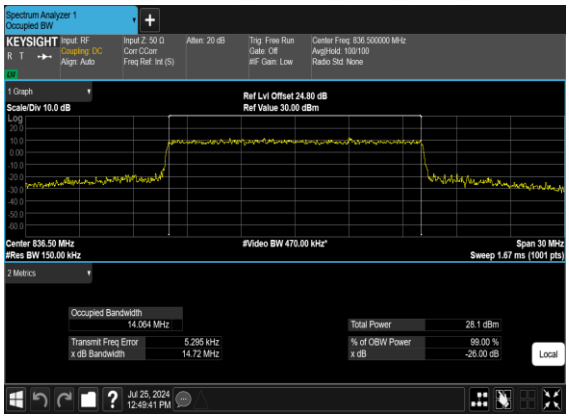
N5(10M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



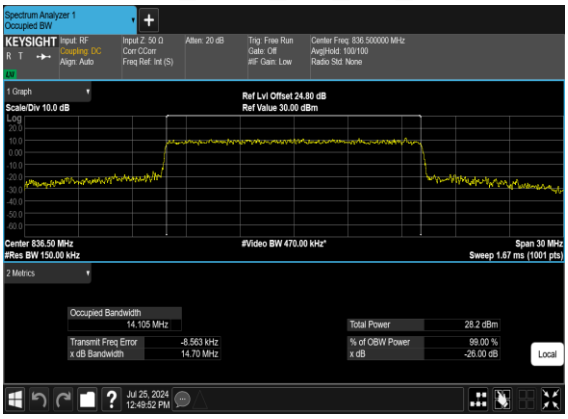
N5(10M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

N5(10M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

N5(15M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



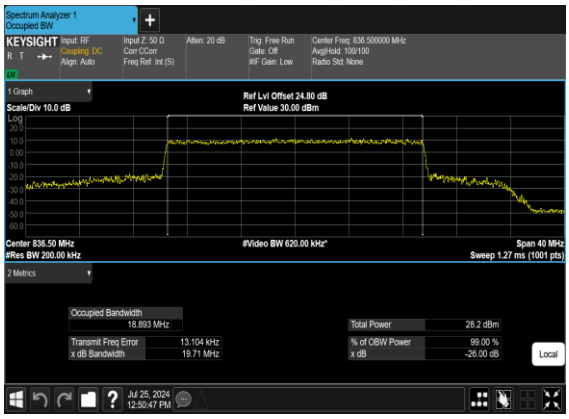
N5(15M)_CP-OFDM_16QAM_Outer_Full_Mid_CH



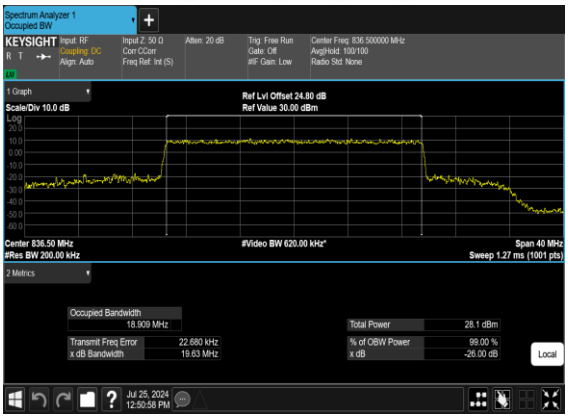
N5(15M)_CP-OFDM_64QAM_Outer_Full_Mid_CH

N5(15M)_CP-OFDM_256QAM_Outer_Full_Mid_CH

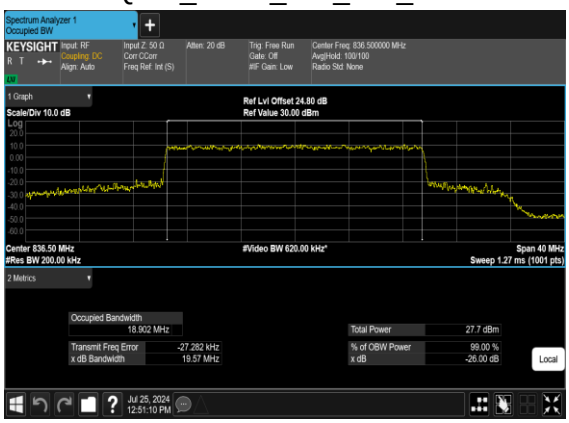
N5(20M)_CP-OFDM_QPSK_Outer_Full_Mid_CH



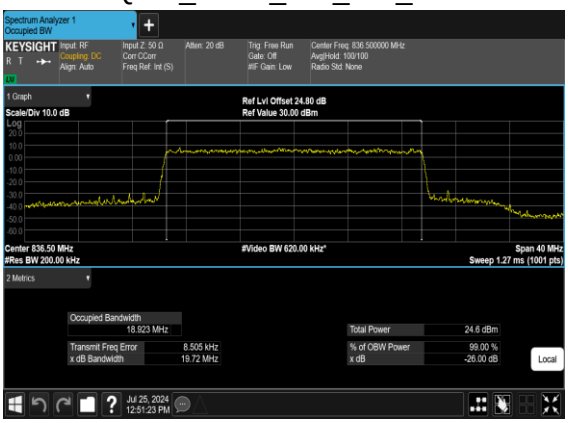
N5(20M)_CP-OFDM_16 QAM_Outer_Full_Mid_CH



N5(20M)_CP-OFDM_64 QAM_Outer_Full_Mid_CH



N5(20M)_CP-OFDM_256 QAM_Outer_Full_Mid_CH

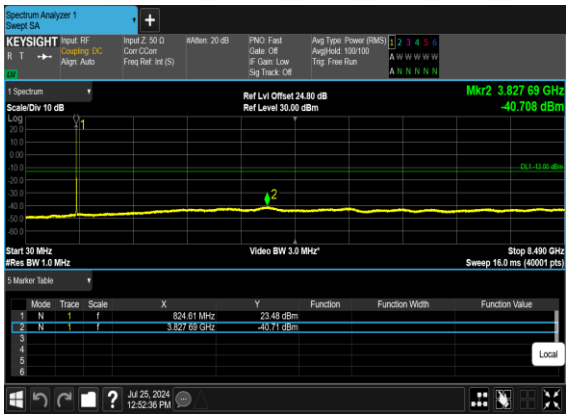


Conducted Spurious Emissions

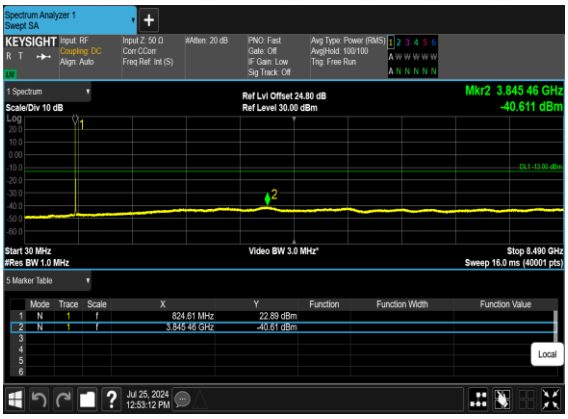
NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
5	15	5	165300	826.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
5	15	5	165300	826.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
5	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
5	15	5	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
5	15	5	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
5	15	5	169300	846.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
5	15	5	169300	846.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
5	15	15	166300	831.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
5	15	15	166300	831.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
5	15	15	166300	831.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
5	15	15	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
5	15	15	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
5	15	15	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

5	15	15	168300	841.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
5	15	15	168300	841.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
5	15	15	168300	841.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
5	15	20	166800	834.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
5	15	20	166800	834.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
5	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**---**
5	15	20	167300	836.5	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**---**
5	15	20	167300	836.5	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	**---**
5	15	20	167800	839.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	**---**
5	15	20	167800	839.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**

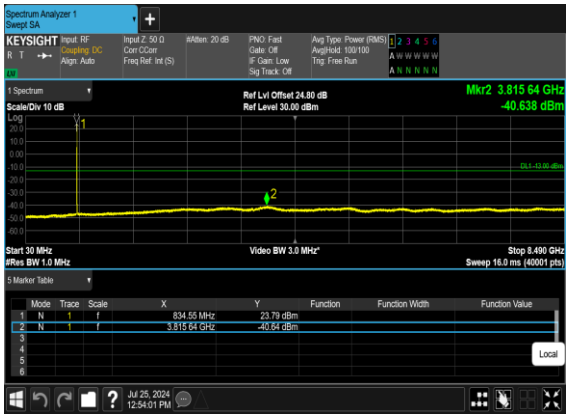
N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



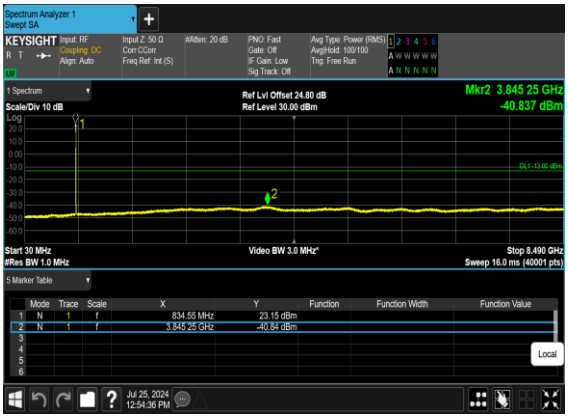
N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



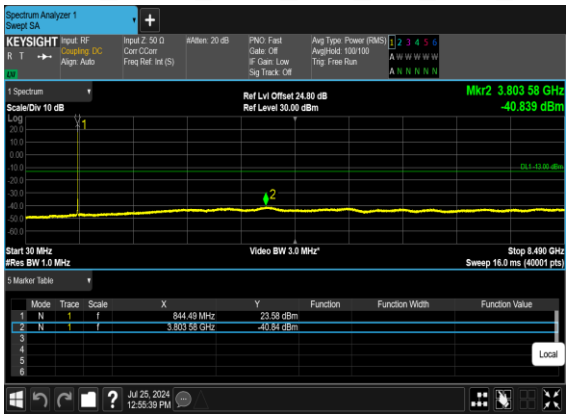
N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



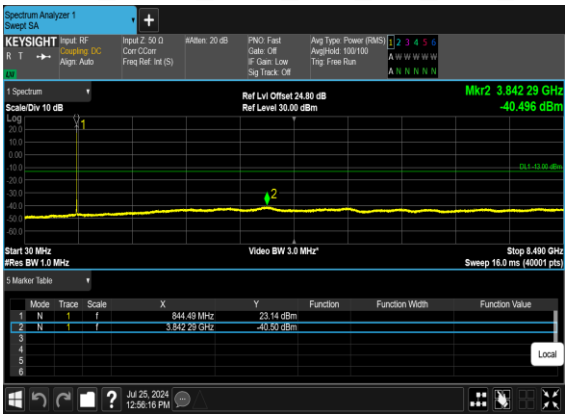
N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



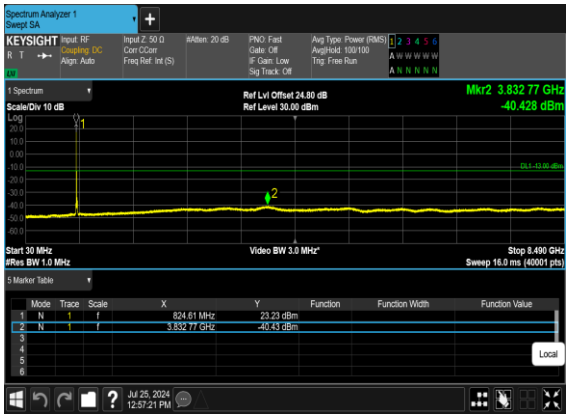
N5(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



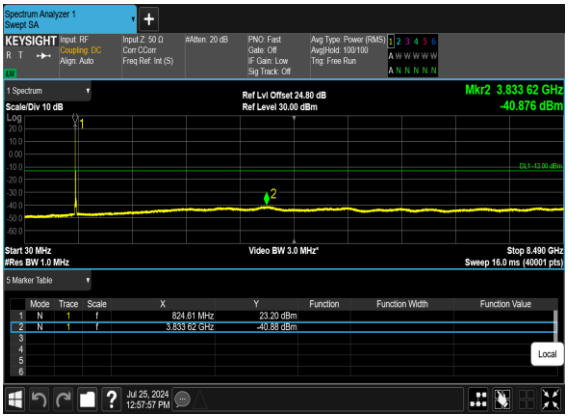
N5(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



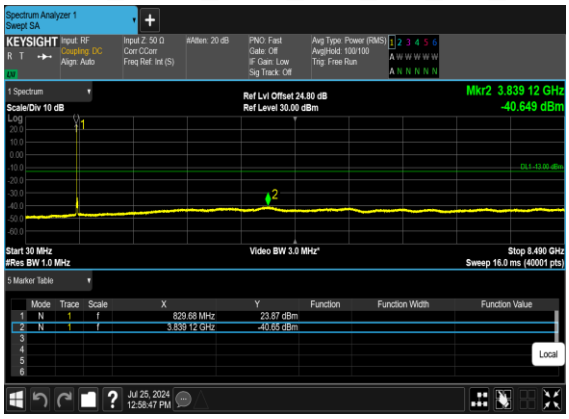
N5(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



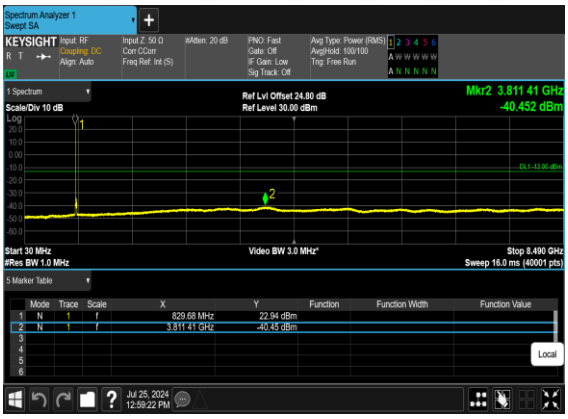
N5(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



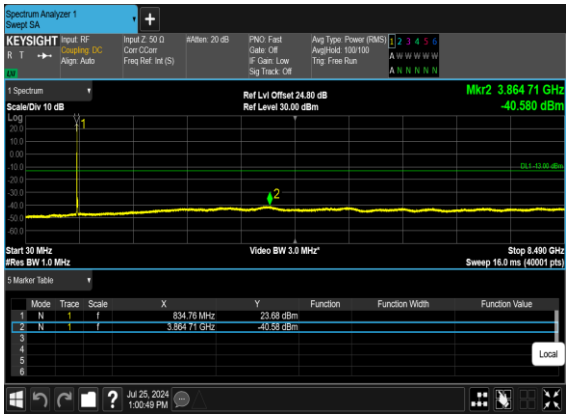
N5(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



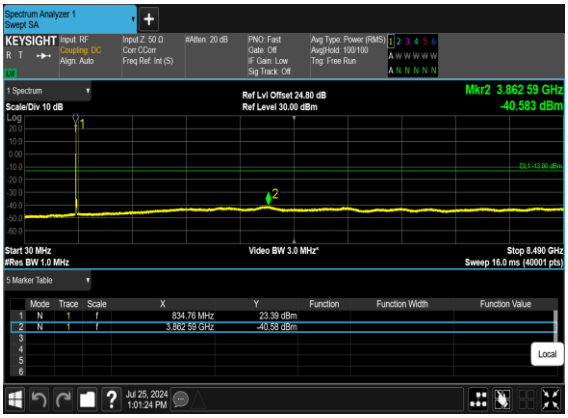
N5(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



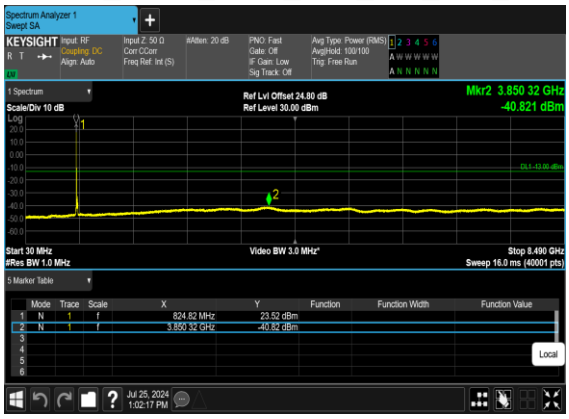
N5(15M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



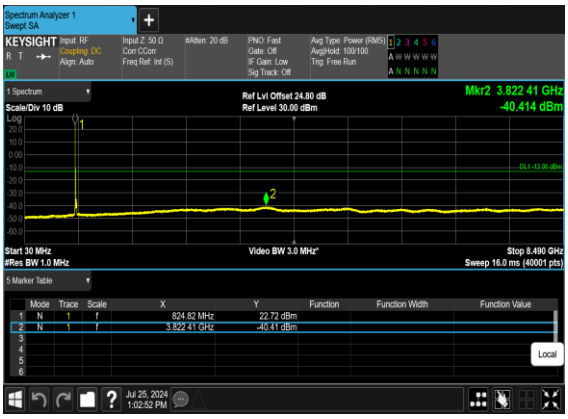
N5(15M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



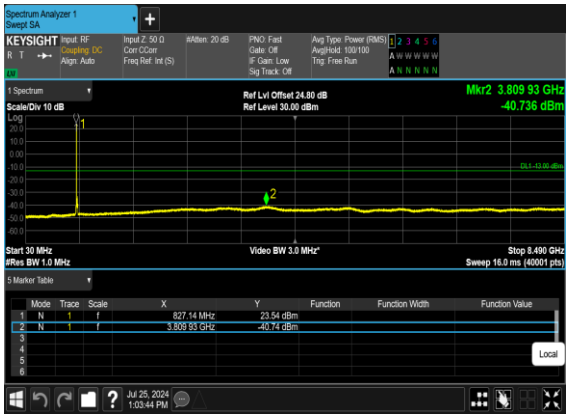
N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



N5(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N5(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH