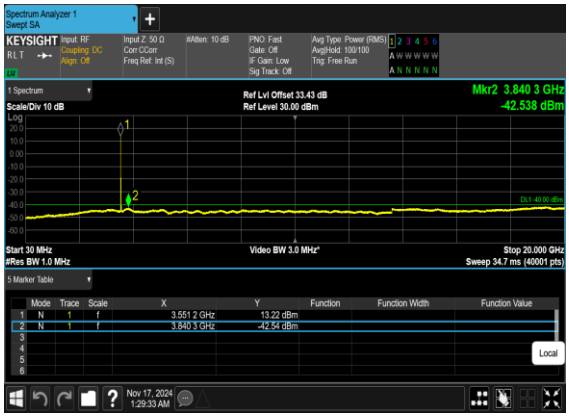
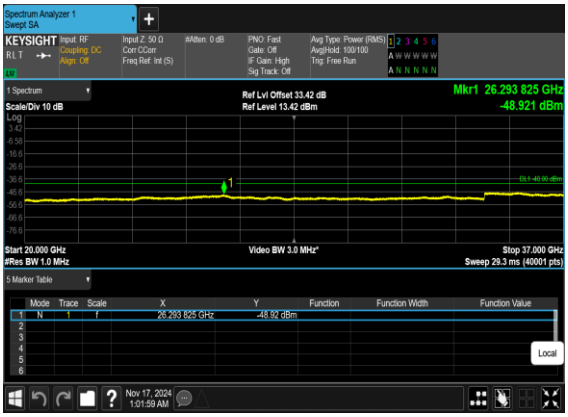
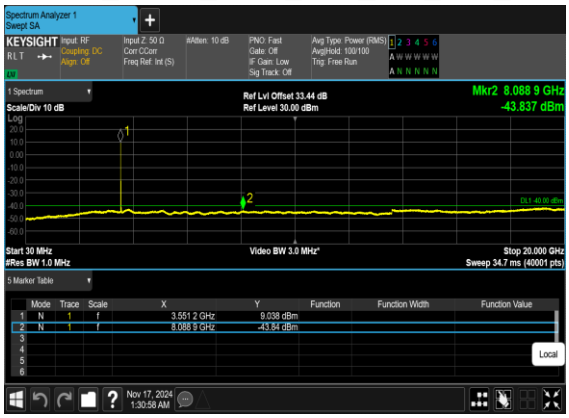
N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



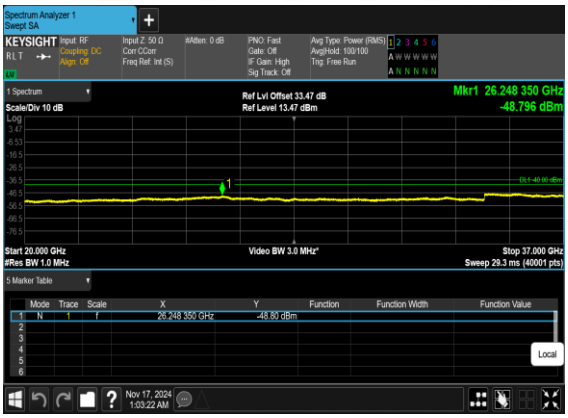
N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



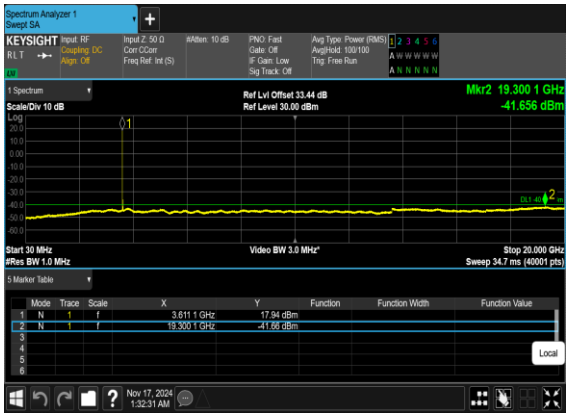
N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



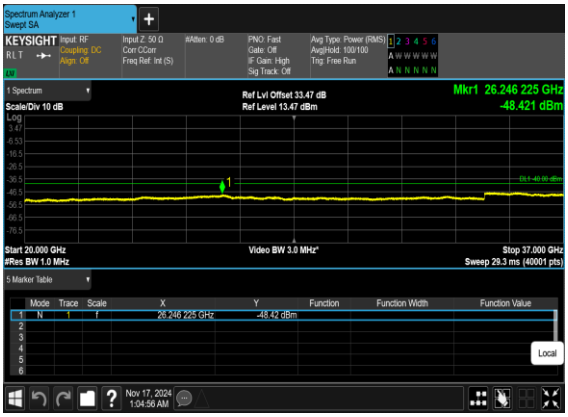
N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



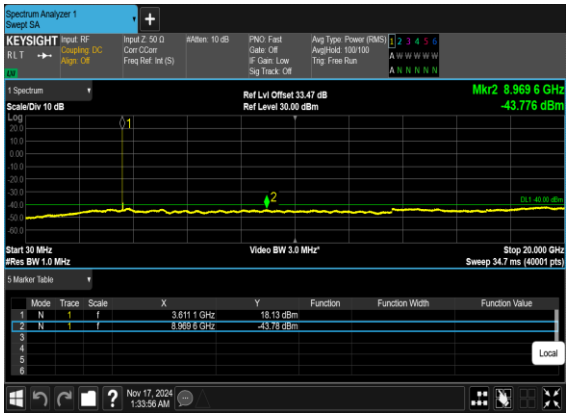
N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



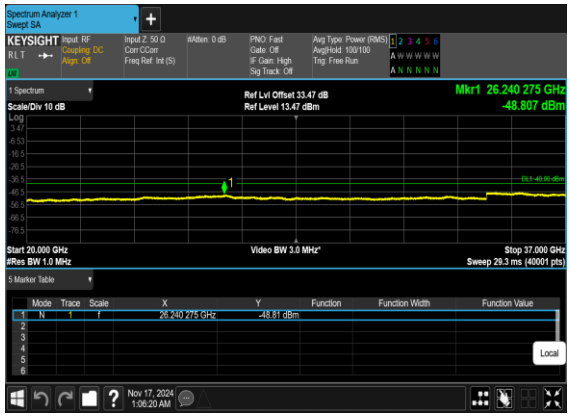
N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



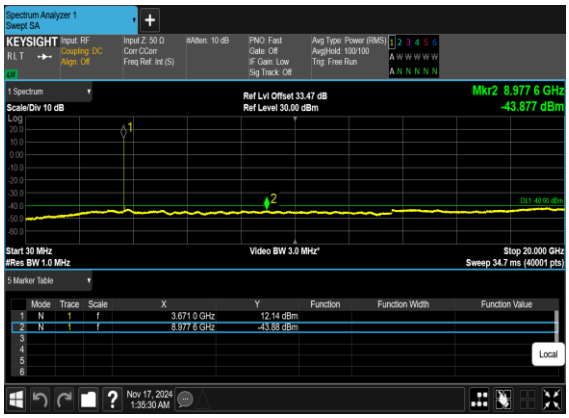
N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



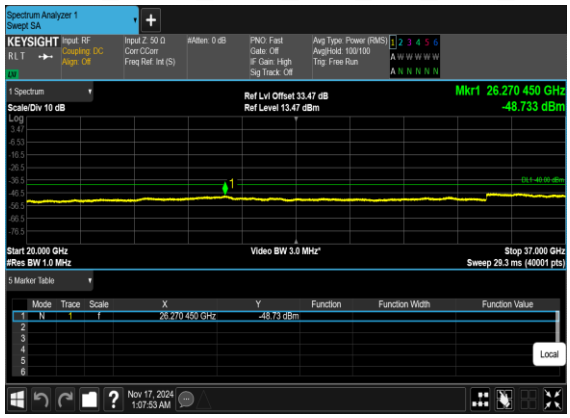
N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



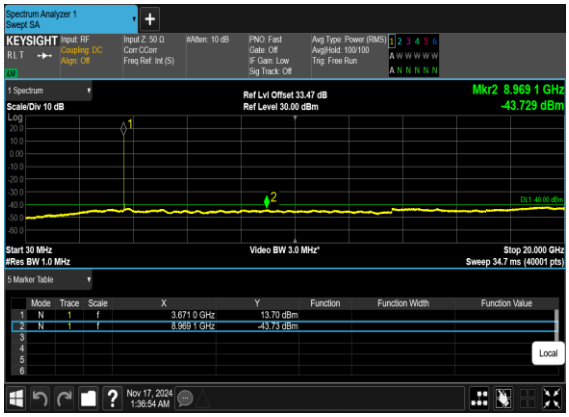
N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



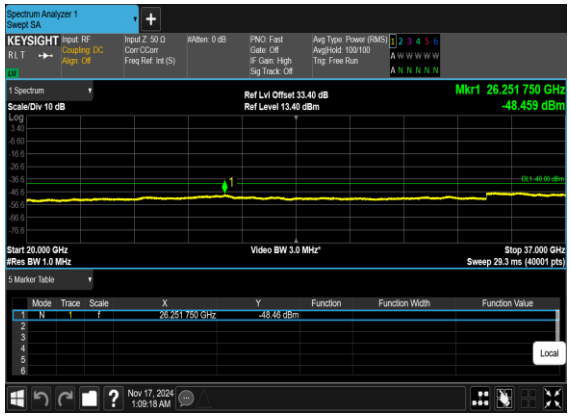
N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



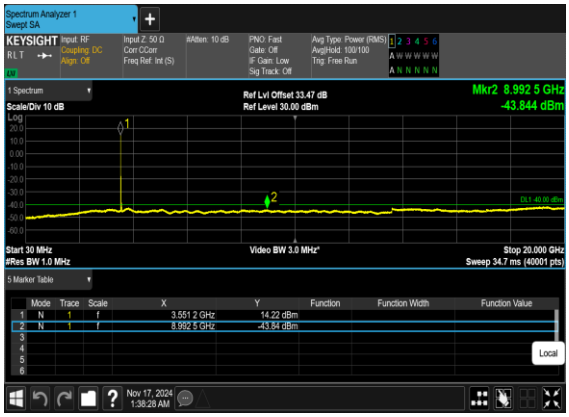
N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



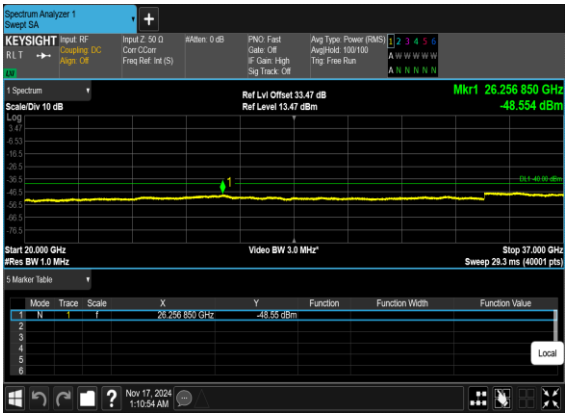
N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



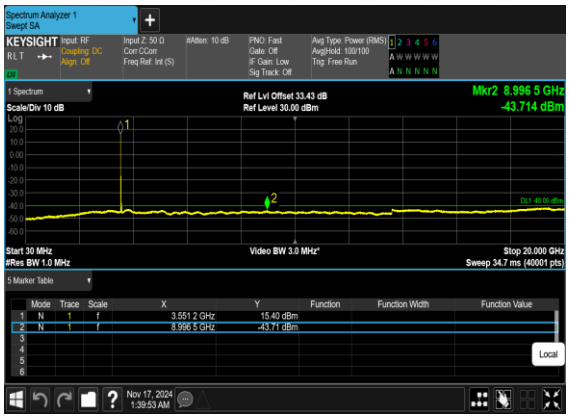
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



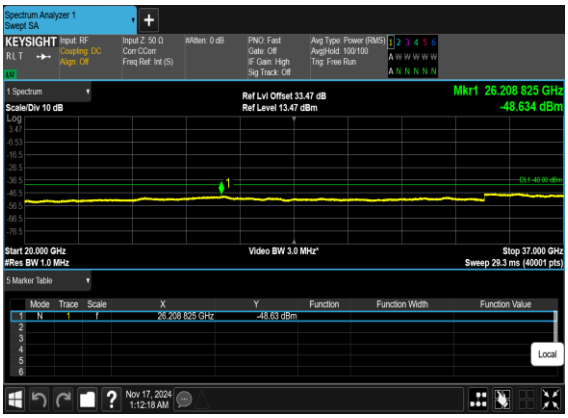
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



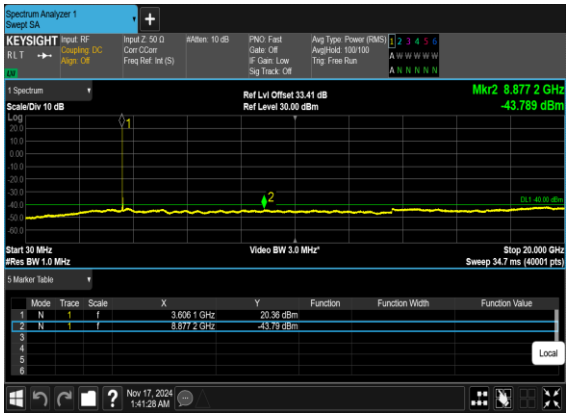
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



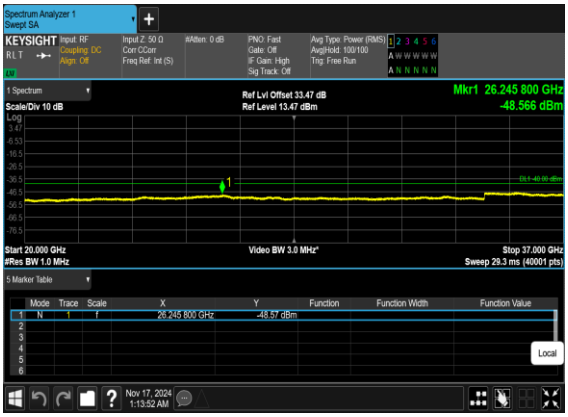
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



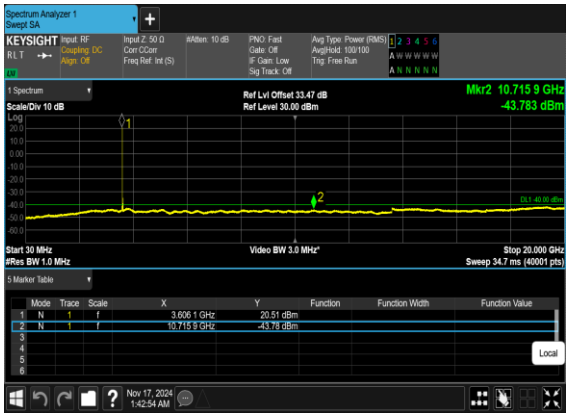
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



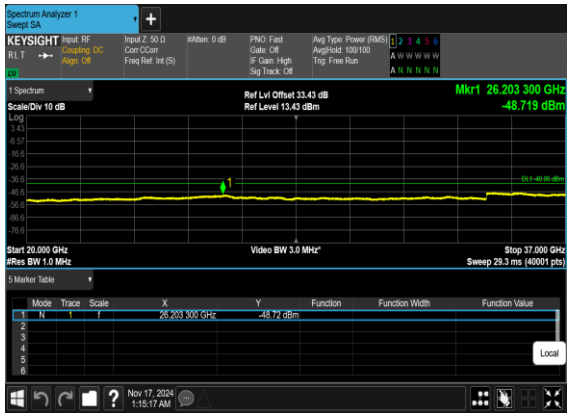
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



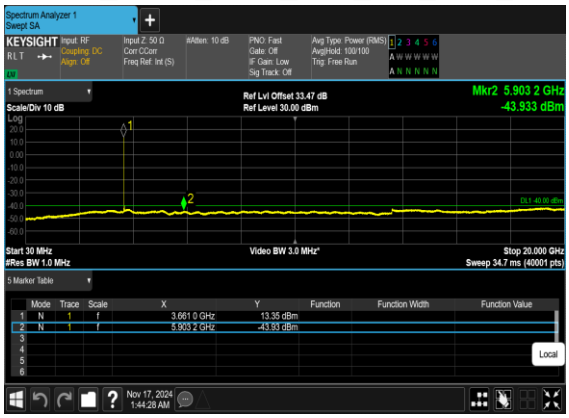
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



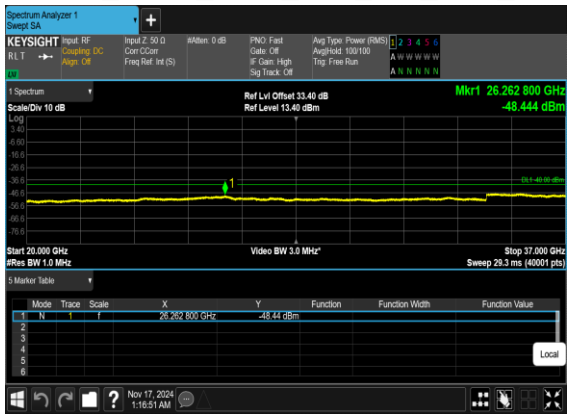
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



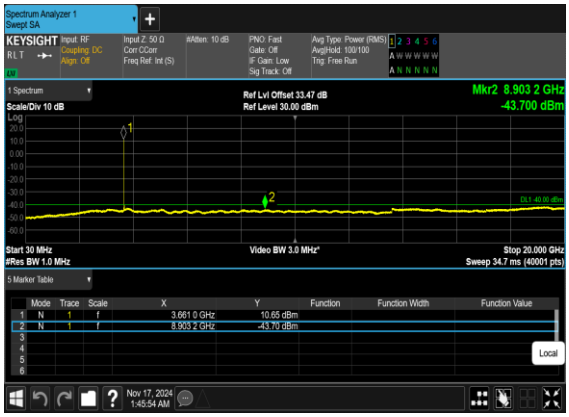
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



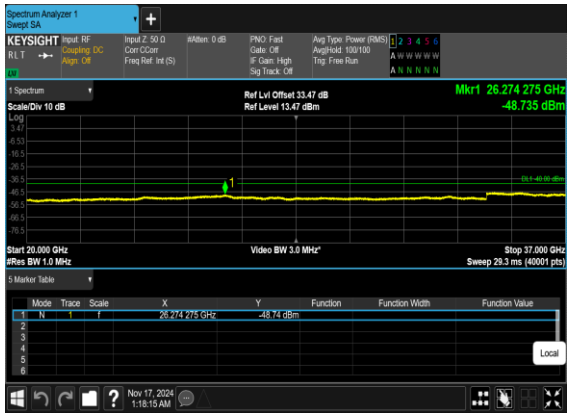
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



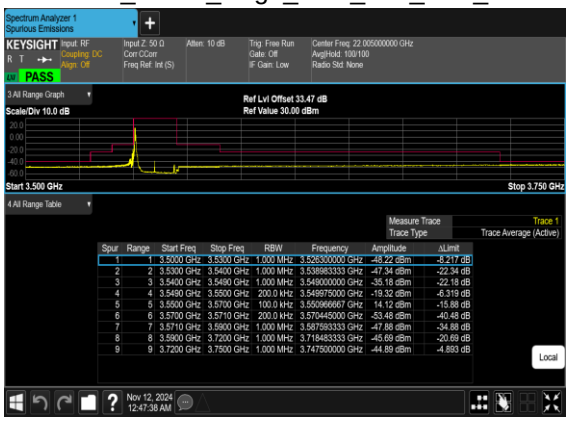
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
48	30	20	637334	3560.01	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
48	30	20	641666	3624.99	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	1@50	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	1@50	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM BPSK	50@0	see graph	**PASS**
48	30	20	646000	3690.0	DFT-s-OFDM QPSK	50@0	see graph	**PASS**
48	30	30	637668	3565.02	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	30	637668	3565.02	DFT-s-OFDM BPSK	1@77	see graph	**PASS**
48	30	30	637668	3565.02	DFT-s-OFDM	1@77	see graph	**PASS**

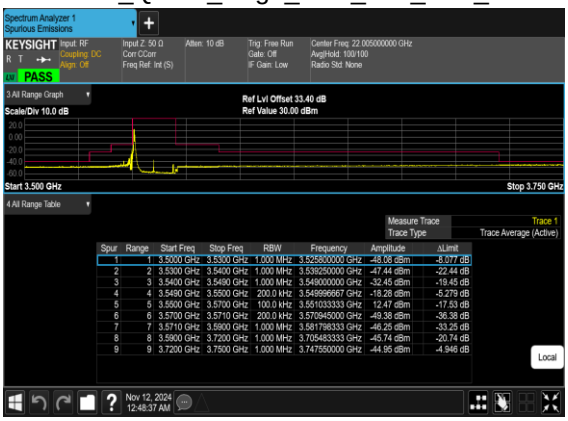
					QPSK			
48	30	30	637668	3565.02	DFT-s-OFDM BPSK	75@0	see graph	**PASS**
48	30	30	637668	3565.02	DFT-s-OFDM QPSK	75@0	see graph	**PASS**
48	30	30	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	30	641666	3624.99	DFT-s-OFDM BPSK	1@77	see graph	**PASS**
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	1@77	see graph	**PASS**
48	30	30	641666	3624.99	DFT-s-OFDM BPSK	75@0	see graph	**PASS**
48	30	30	641666	3624.99	DFT-s-OFDM QPSK	75@0	see graph	**PASS**
48	30	30	645666	3684.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	30	645666	3684.99	DFT-s-OFDM BPSK	1@77	see graph	**PASS**
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	1@77	see graph	**PASS**
48	30	30	645666	3684.99	DFT-s-OFDM BPSK	75@0	see graph	**PASS**
48	30	30	645666	3684.99	DFT-s-OFDM QPSK	75@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
48	30	40	638000	3570.0	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM	1@105	see graph	**PASS**

					BPSK			
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
48	30	40	641666	3624.99	DFT-s-OFDM QPSK	100@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	1@105	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	1@105	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM BPSK	100@0	see graph	**PASS**
48	30	40	645332	3679.98	DFT-s-OFDM QPSK	100@0	see graph	**PASS**

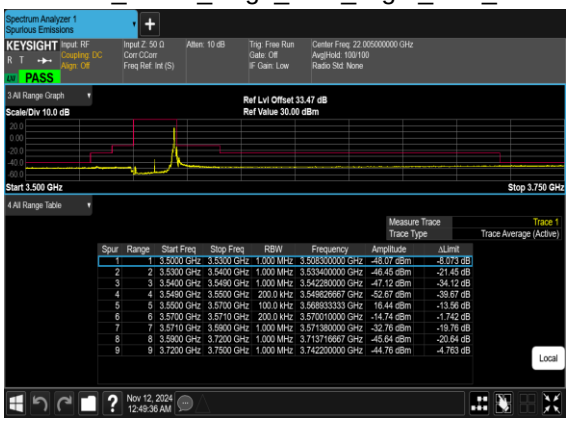
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



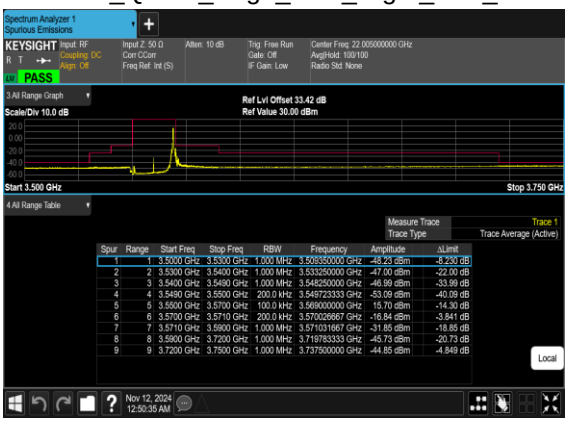
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



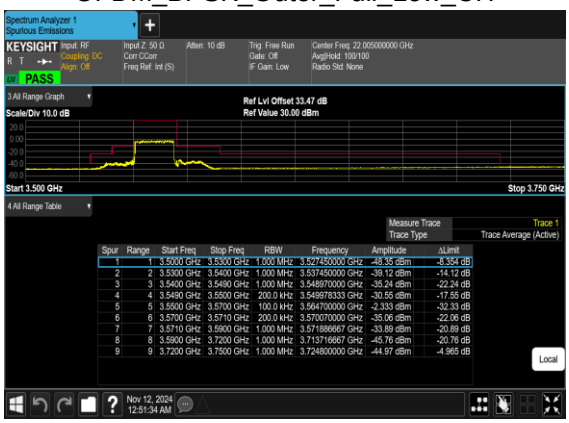
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



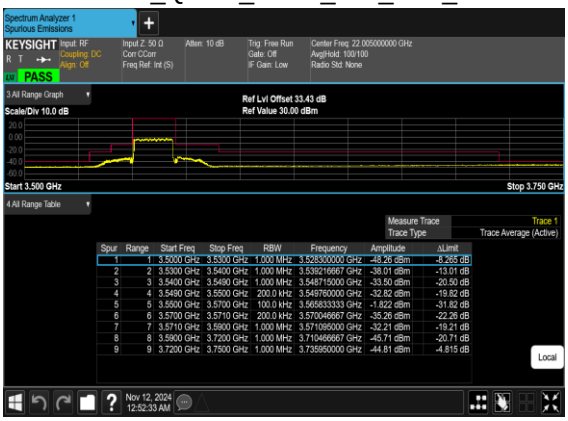
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



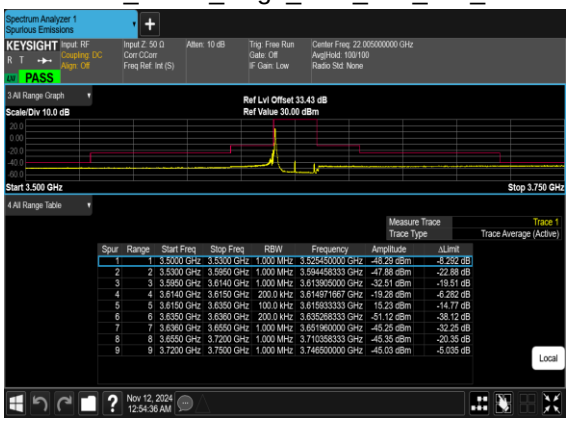
N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



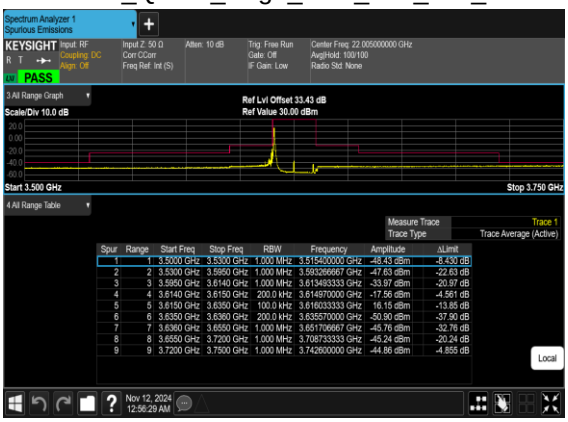
N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



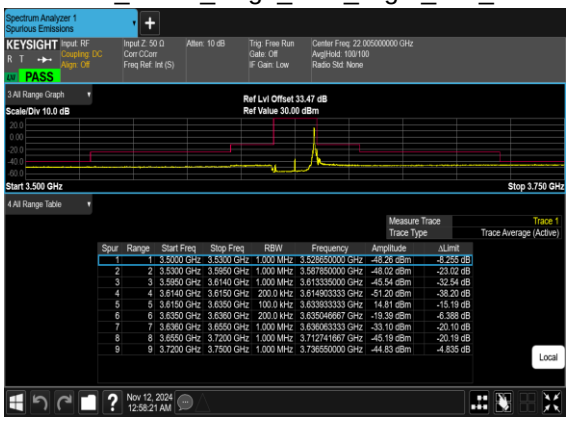
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



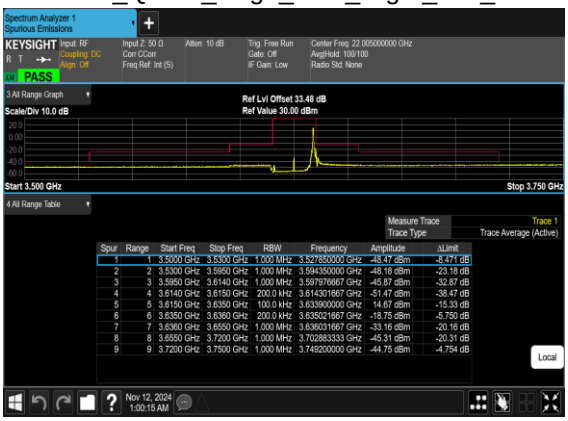
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



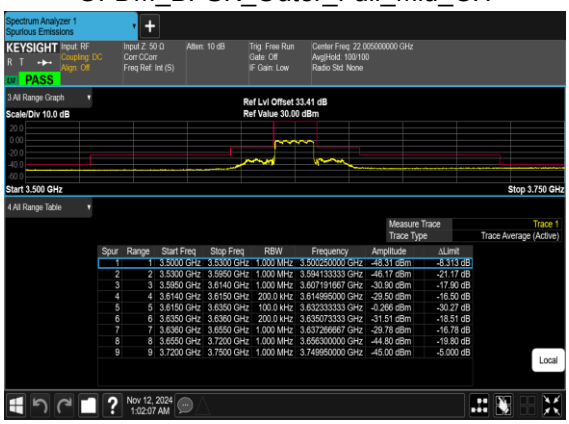
N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



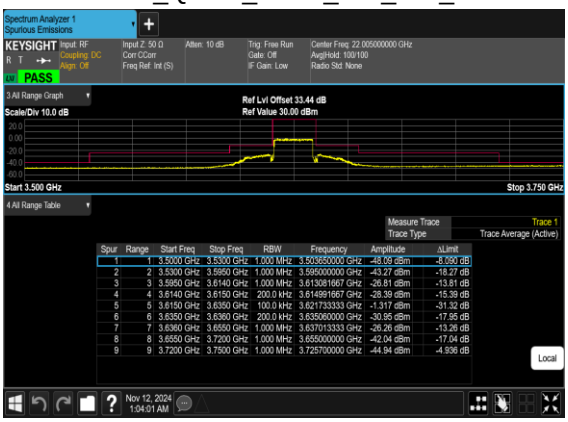
N48(20M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



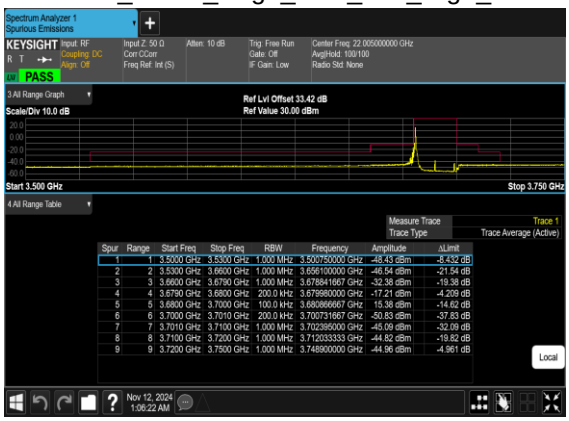
N48(20M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N48(20M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N48(20M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



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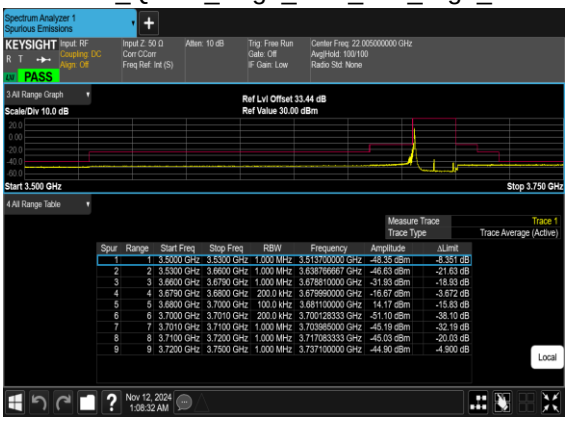

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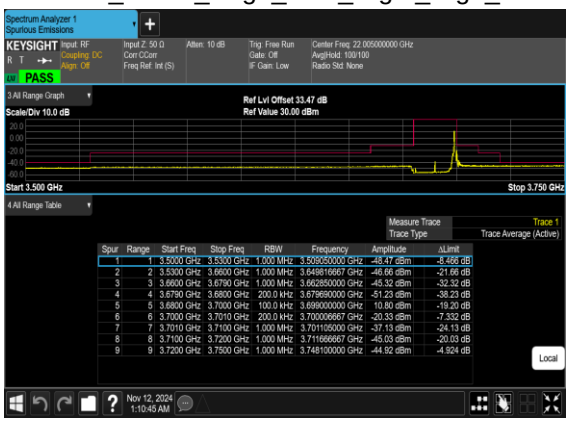

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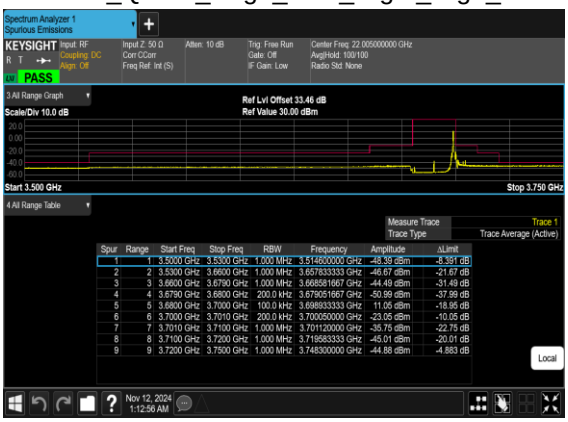

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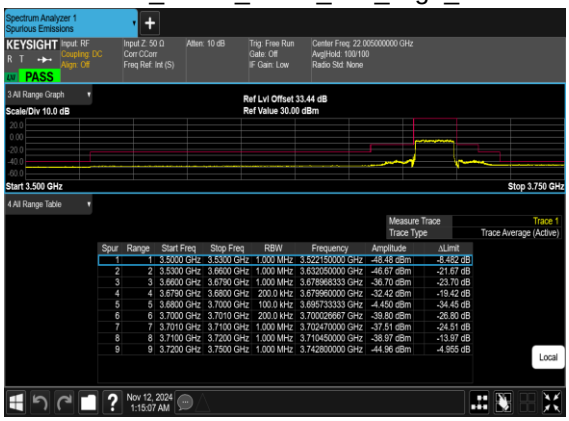

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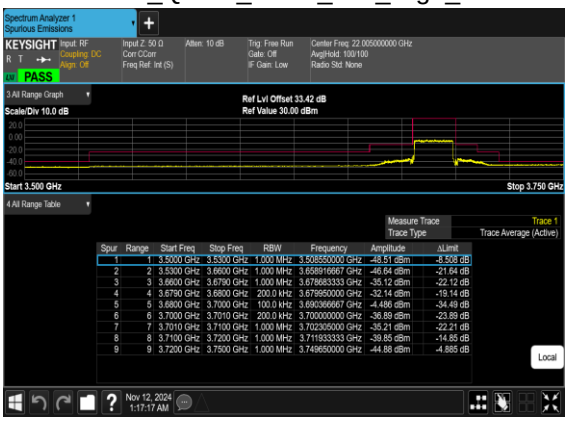
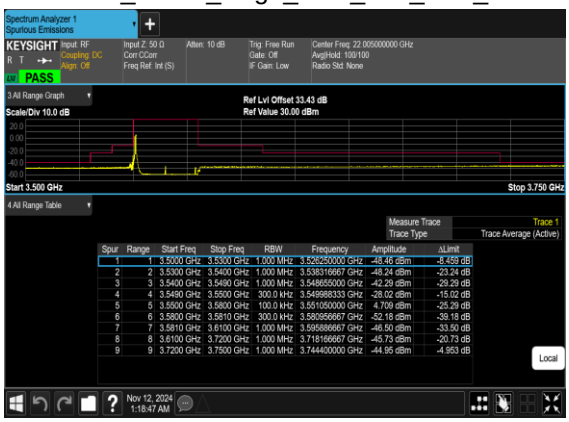
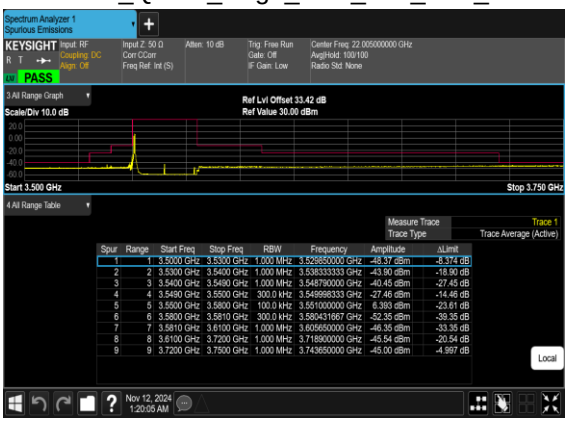


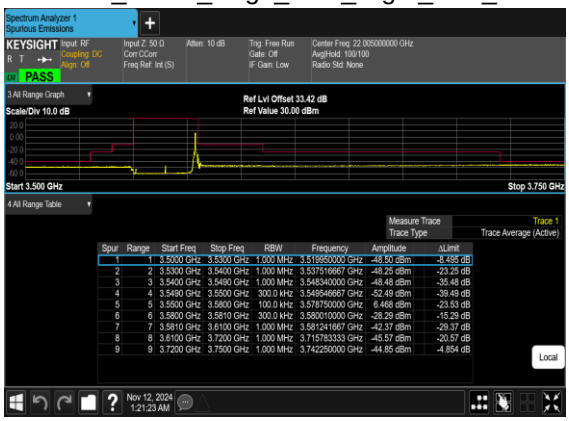
N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



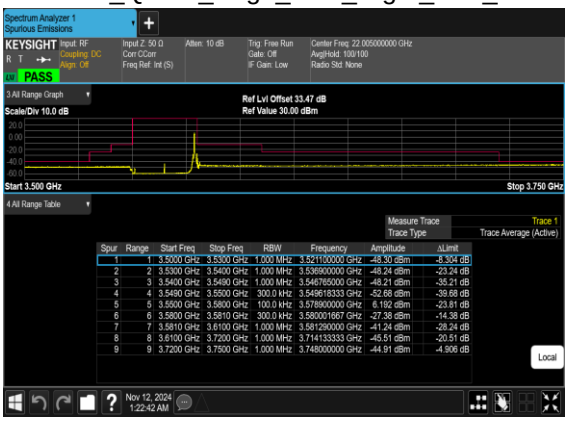
N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



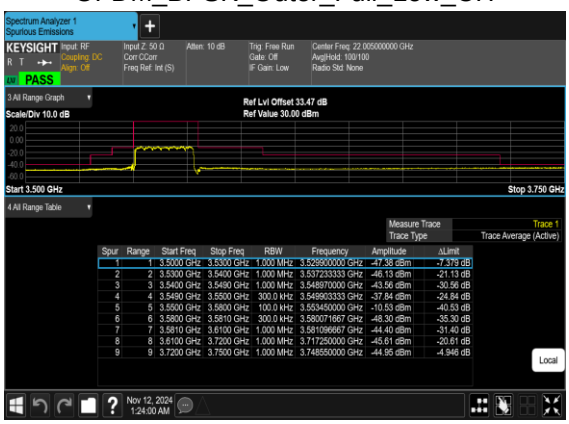
N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



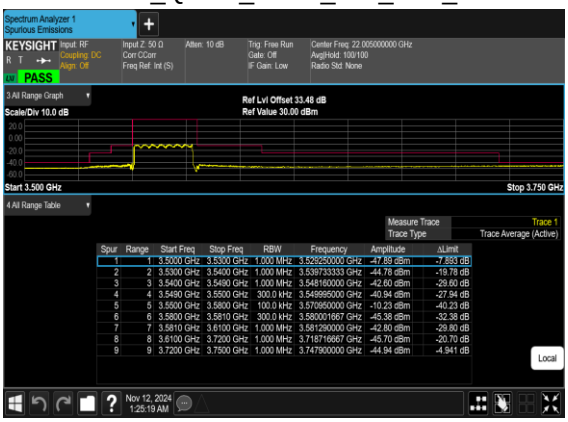
N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



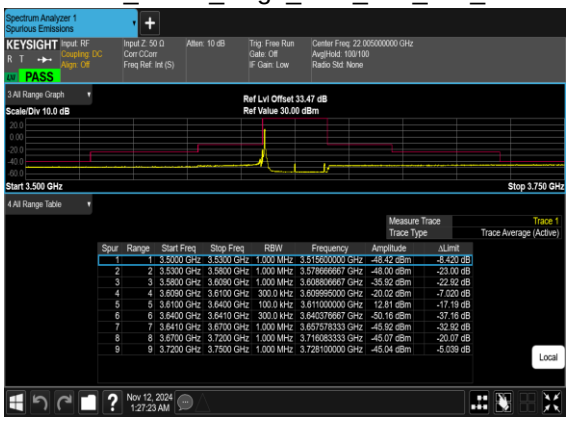
N48(30M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



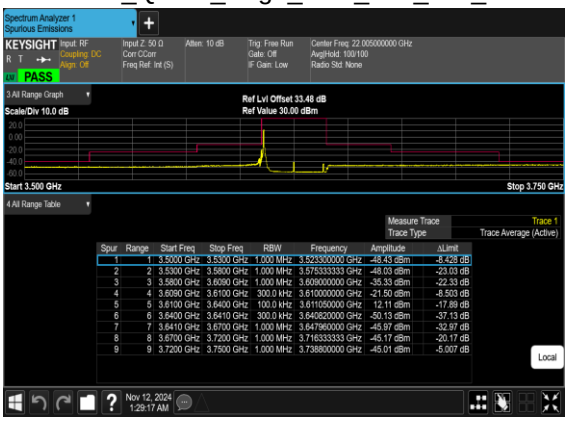
N48(30M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



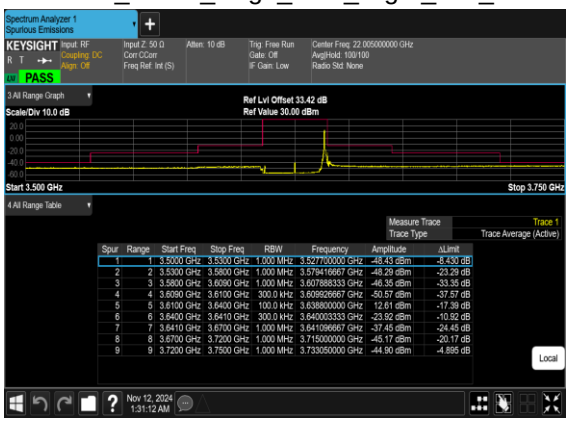
N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



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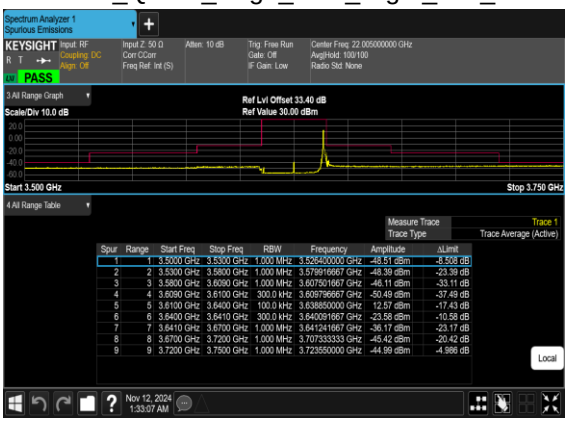
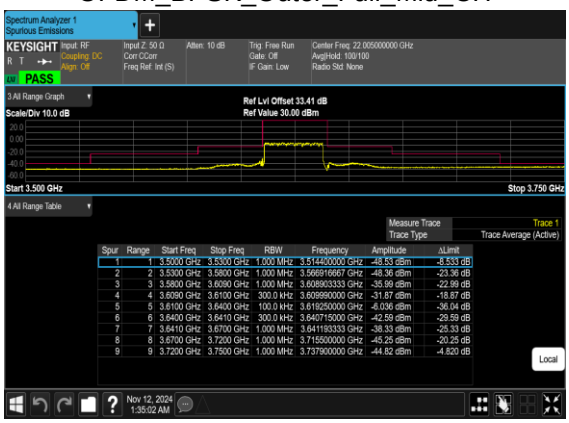
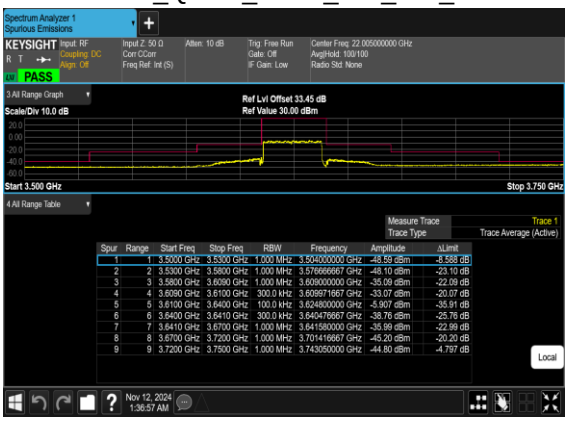


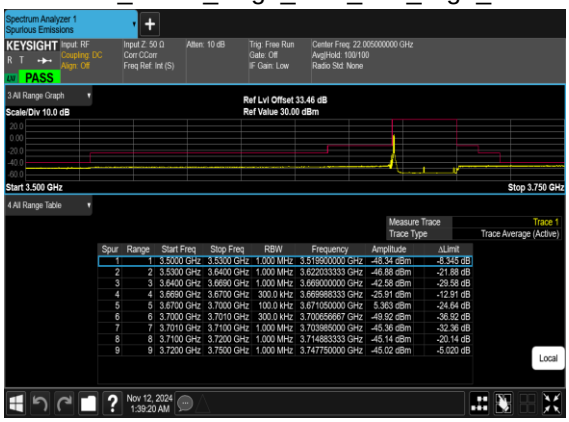
N48(30M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



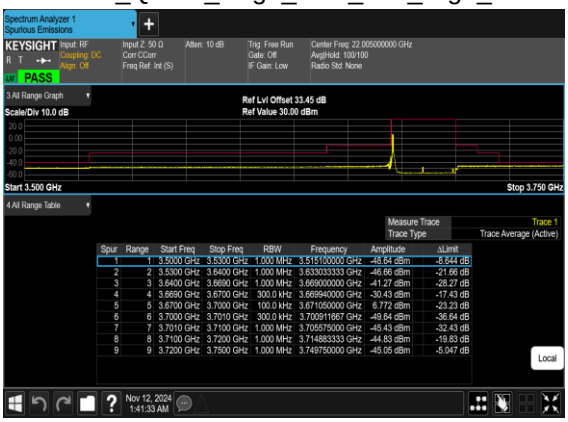
N48(30M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



N48(30M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



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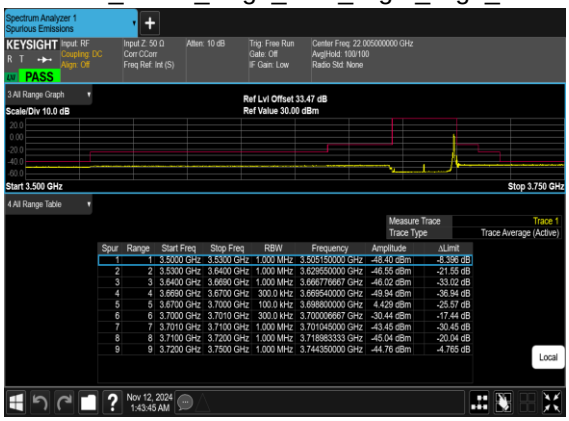
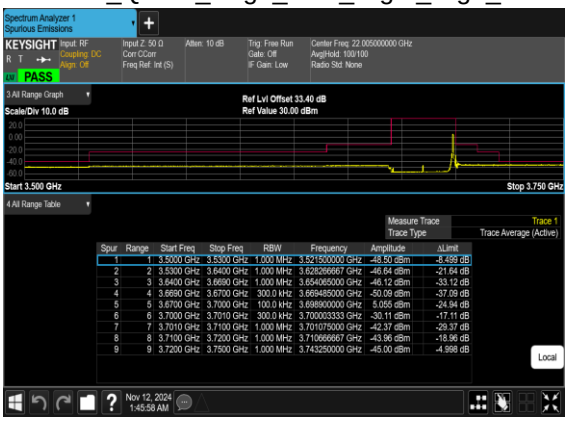
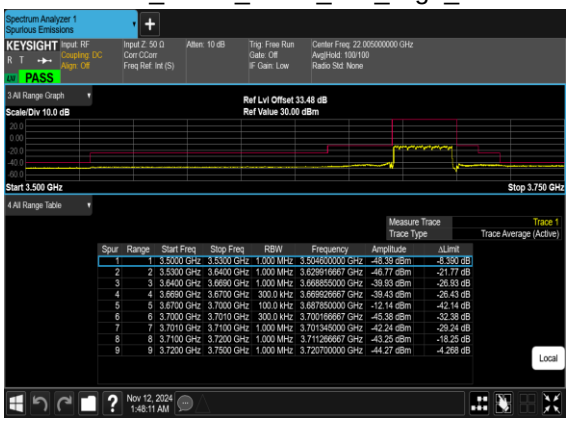


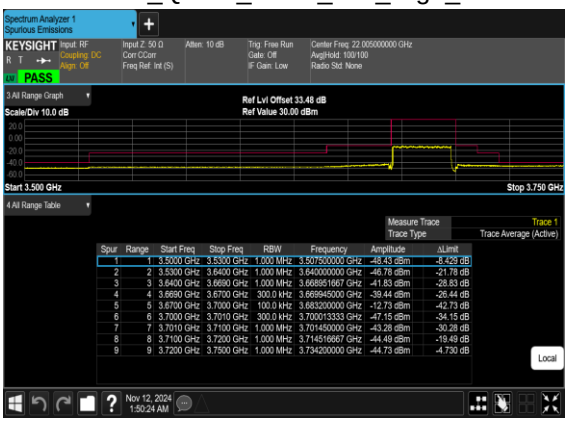
N48(30M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



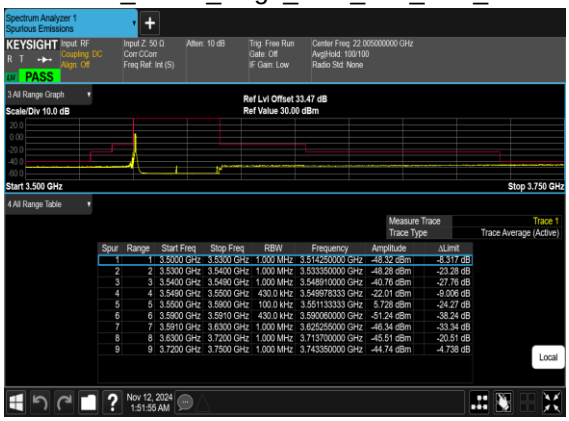
N48(30M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



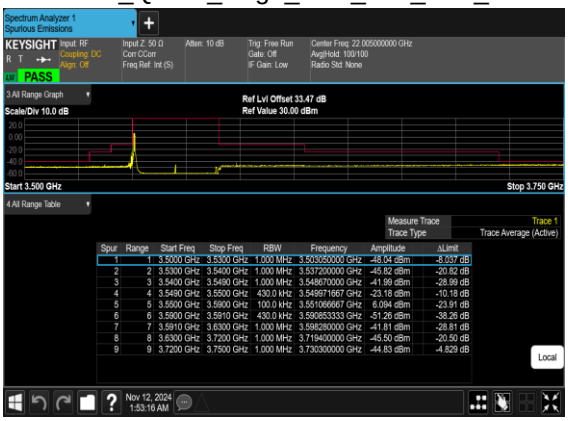
N48(30M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



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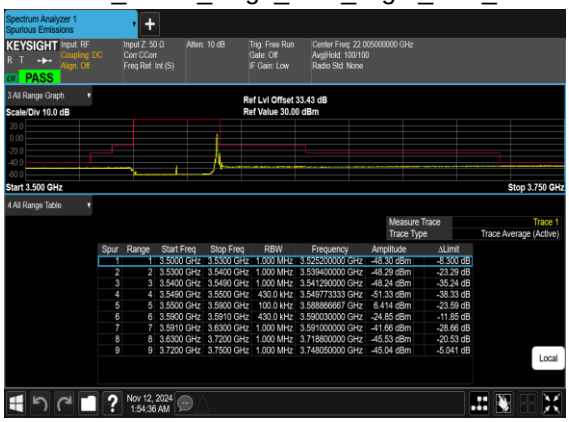
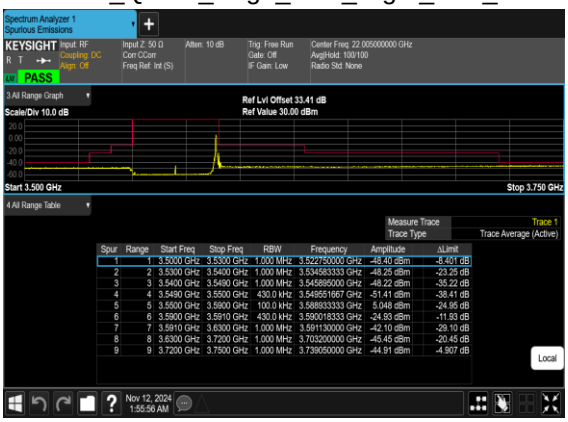
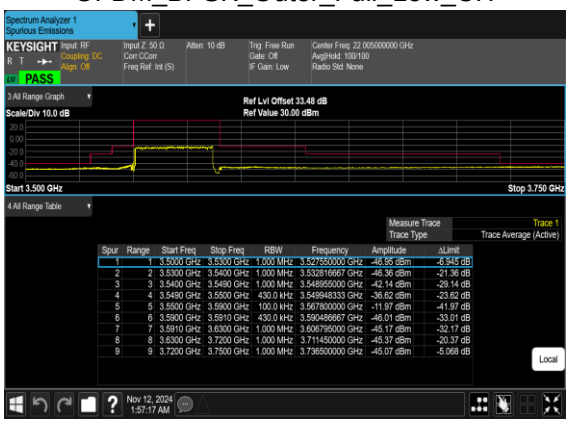


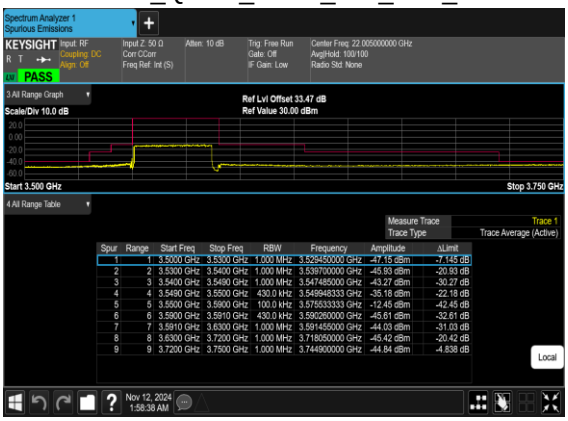
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



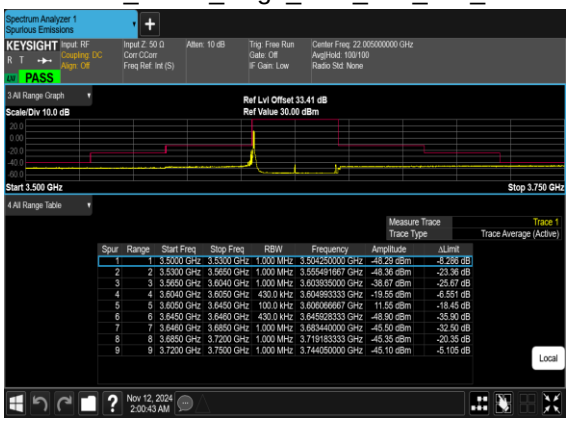
N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



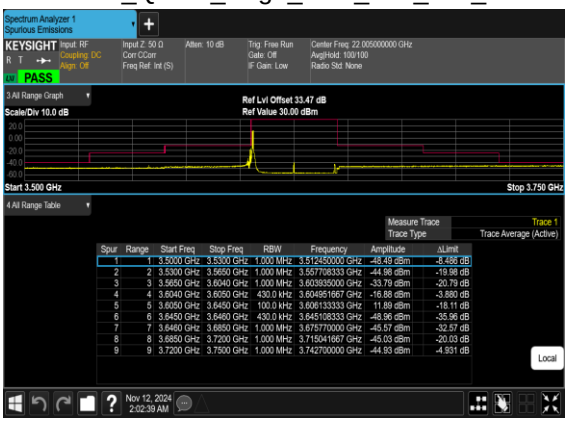
N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



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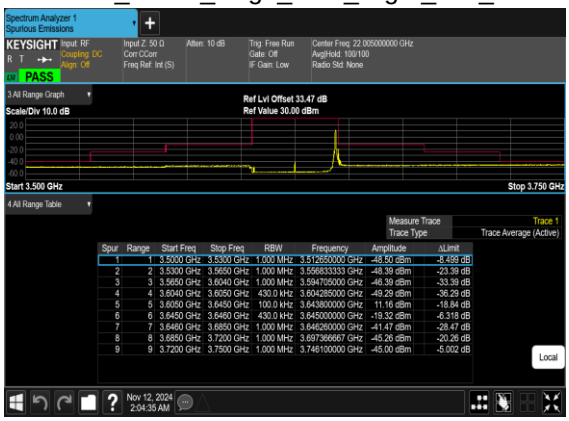
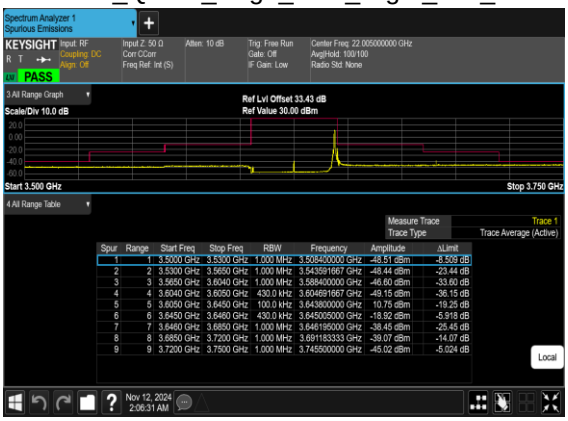
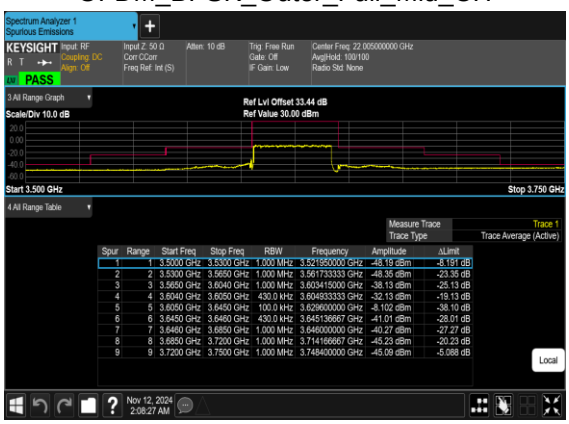


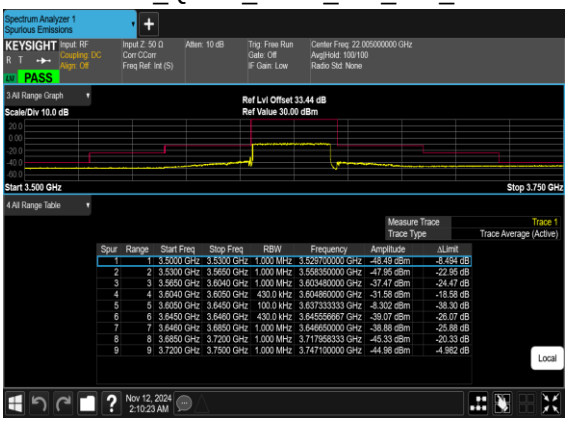
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



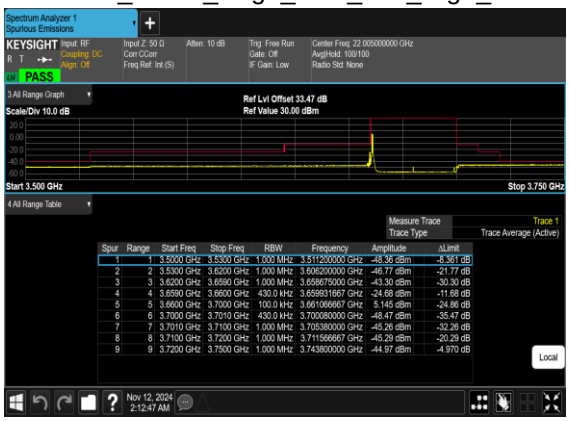
N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



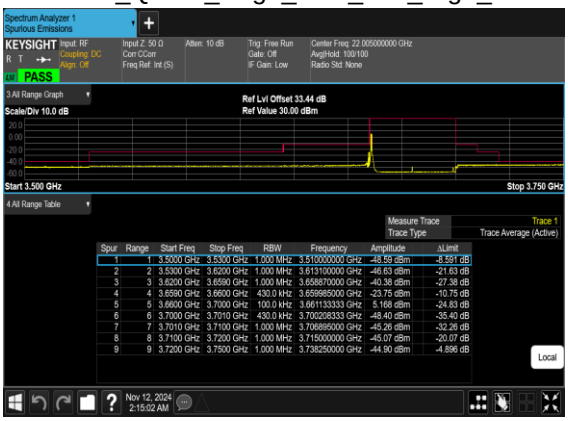
N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



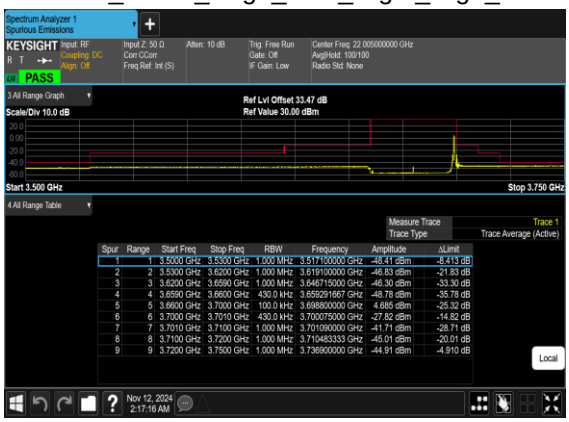
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_High_CH



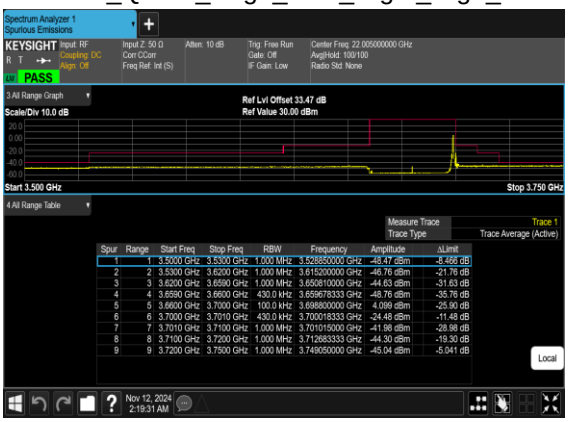
N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_High_CH



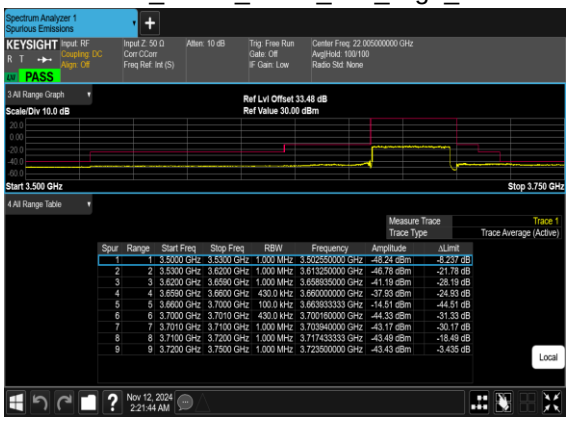
N48(40M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



N48(40M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH

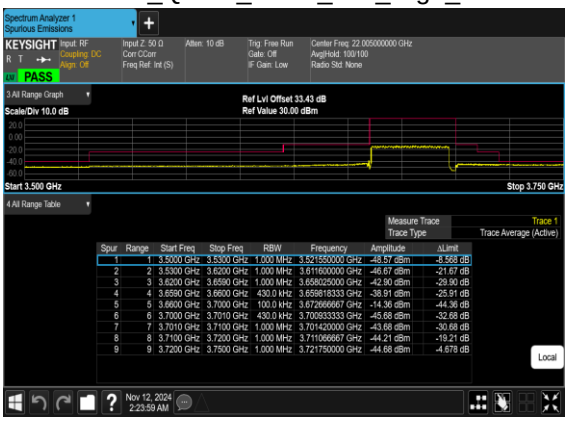


N48(40M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.502550000 GHz	-46.24 dBm	-8.237 dB
2	2	3.5300 GHz	3.6200 GHz	1.000 MHz	3.613250000 GHz	-46.78 dBm	-21.78 dB
3	3	3.6200 GHz	3.6590 GHz	1.000 MHz	3.658635000 GHz	-41.19 dBm	-28.19 dB
4	4	3.6590 GHz	3.6600 GHz	430.0 kHz	3.660000000 GHz	-37.93 dBm	-24.93 dB
5	5	3.6600 GHz	3.7000 GHz	100.0 kHz	3.663933333 GHz	-14.51 dBm	-44.51 dB
6	6	3.7000 GHz	3.7010 GHz	430.0 kHz	3.700160000 GHz	-44.33 dBm	-31.33 dB
7	7	3.7010 GHz	3.7100 GHz	1.000 MHz	3.703940000 GHz	-43.17 dBm	-30.17 dB
8	8	3.7100 GHz	3.7200 GHz	1.000 MHz	3.717433333 GHz	-43.49 dBm	-18.49 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.723500000 GHz	-43.43 dBm	-3.435 dB

N48(40M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



Spur	Range	Start Freq	Stop Freq	RBW	Frequency	Amplitude	ΔLimit
1	1	3.5000 GHz	3.5300 GHz	1.000 MHz	3.521550000 GHz	-48.57 dBm	-8.568 dB
2	2	3.5300 GHz	3.6200 GHz	1.000 MHz	3.611600000 GHz	-46.67 dBm	-21.67 dB
3	3	3.6200 GHz	3.6590 GHz	1.000 MHz	3.656025000 GHz	-42.90 dBm	-29.90 dB
4	4	3.6590 GHz	3.6600 GHz	430.0 kHz	3.659818333 GHz	-38.91 dBm	-25.91 dB
5	5	3.6600 GHz	3.7000 GHz	100.0 kHz	3.672666667 GHz	-14.36 dBm	-44.36 dB
6	6	3.7000 GHz	3.7010 GHz	430.0 kHz	3.700933333 GHz	-45.68 dBm	-32.68 dB
7	7	3.7010 GHz	3.7100 GHz	1.000 MHz	3.701420000 GHz	-43.68 dBm	-30.68 dB
8	8	3.7100 GHz	3.7200 GHz	1.000 MHz	3.711066667 GHz	-44.21 dBm	-19.21 dB
9	9	3.7200 GHz	3.7500 GHz	1.000 MHz	3.721750000 GHz	-44.68 dBm	-4.678 dB

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Zhaohui Liang	Temperature :	22~25℃
		Relative Humidity :	48~52%

SA n48 / 40MHz / QPSK / ANT3									
Channel	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	SPA Reading (dBm)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Lowest	7104.00	-48.56	-40	-8.56	-55.73	-51.89	8.25	11.58	H
	10656.00	-50.22	-40	-10.22	-62.66	-51.77	10.45	12.00	H
	14208.00	-40.32	-40	-0.32	-54.96	-42.03	11.74	13.45	H
	7104.00	-45.21	-40	-5.21	-53.54	-48.54	8.25	11.58	V
	10656.00	-47.51	-40	-7.51	-62.41	-49.06	10.45	12.00	V
	14208.00	-49.70	-40	-9.70	-63.73	-51.41	11.74	13.45	V
Middle	7213.18	-51.84	-40	-11.84	-51.00	-55.14	8.30	11.60	H
	10819.77	-46.63	-40	-6.63	-51.10	-48.15	10.48	12.00	H
	14426.36	-45.72	-40	-5.72	-55.55	-47.42	11.80	13.50	H
	7213.18	-52.07	-40	-12.07	-51.6	-55.37	8.30	11.60	V
	10819.77	-51.51	-40	-11.51	-55.6	-53.03	10.48	12.00	V
	14426.36	-50.18	-40	-10.18	-59.44	-51.88	11.80	13.50	V
Highest	7323.16	-51.45	-40	-11.45	-50.61	-54.75	8.32	11.62	H
	10984.74	-44.83	-40	-4.83	-49.96	-46.51	10.52	12.20	H
	14646.32	-49.85	-40	-9.85	-60.06	-51.55	11.85	13.55	H
	7323.16	-49.88	-40	-9.88	-49.2	-53.18	8.32	11.62	V
	10984.74	-54.64	-40	-14.64	-59.47	-56.32	10.52	12.20	V
	14646.32	-50.25	-40	-10.25	-59.89	-51.95	11.85	13.55	V

Remark: Spurious emissions within 30-1000MHz were found more than 20dB below limit line.