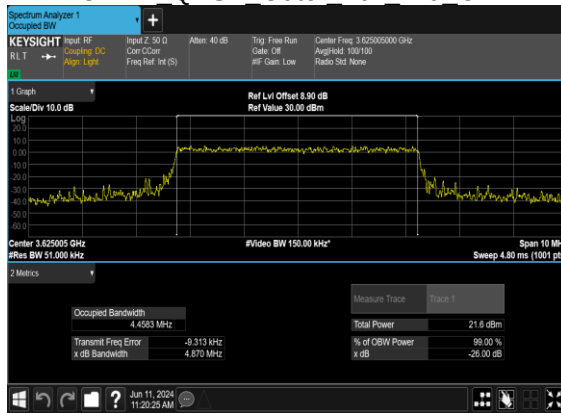


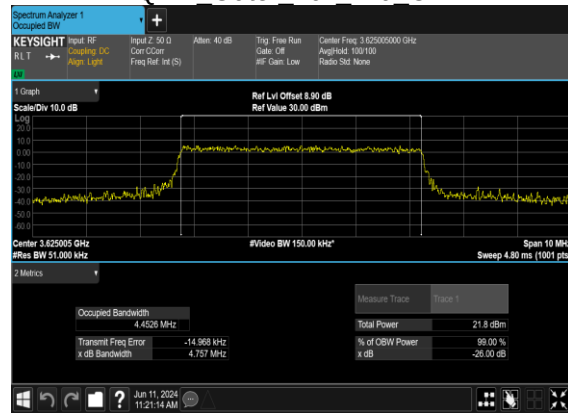
Occupied Bandwidth

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	OBW (MHz)	26dB BW (MHz)
48	15	5	641667	3625.01	CP-OFDM QPSK	25@0	4.4583	4.87
48	15	5	641667	3625.01	CP-OFDM 16 QAM	25@0	4.4526	4.757
48	15	5	641667	3625.01	CP-OFDM 64 QAM	25@0	4.4565	4.763
48	15	5	641667	3625.01	CP-OFDM 256 QAM	25@0	4.4654	4.745

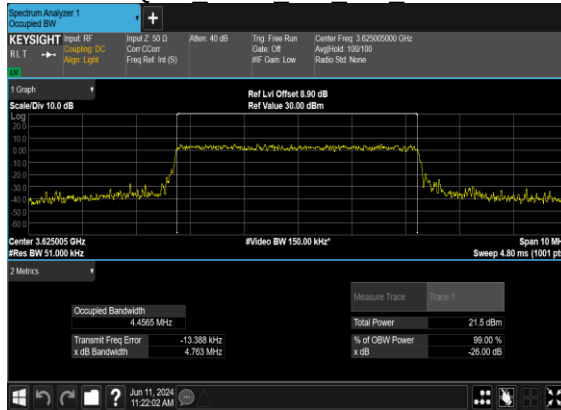
B2_N48(5M)_CP-OFDM QPSK Outer Full Mid CH



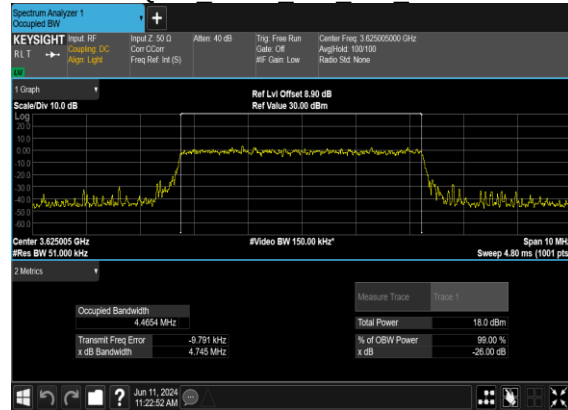
B2_N48(5M)_CP-OFDM_16 QAM Outer Full Mid CH



B2_N48(5M)_CP-OFDM_64 QAM Outer Full Mid CH



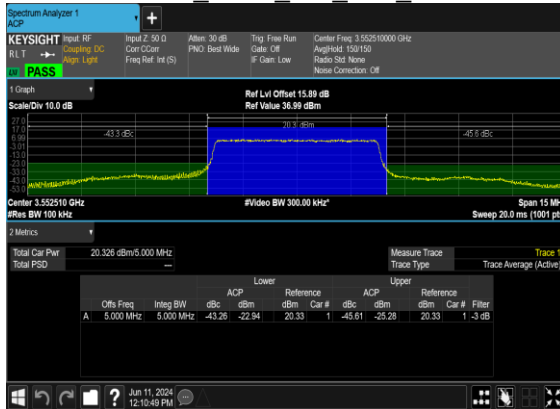
B2_N48(5M)_CP-OFDM_256 QAM Outer Full Mid CH



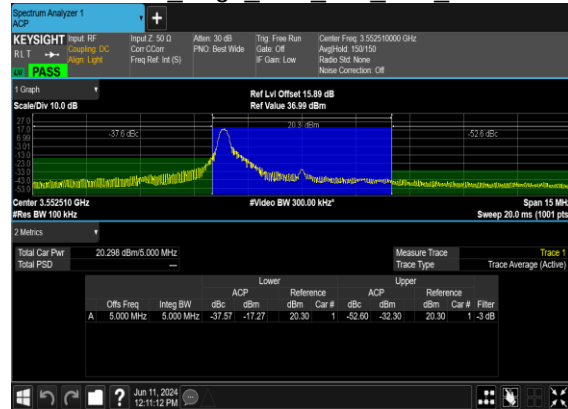
Adjacent Channel Leakage Ratio

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Lower Margin	Upper Margin	Result	Verdict
48	15	5	636834	3552.51	DFT-s-OFDM PI/2 BPSK	25@0	-13.26	-15.61	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM PI/2 BPSK	1@0	-7.57	-22.6	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM PI/2 BPSK	1@24	-22.19	-9.2	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	25@0	-12.34	-13.07	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	1@0	-7.36	-22.13	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	1@24	-21.87	-9.56	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM PI/2 BPSK	25@0	-13.36	-14.43	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM PI/2 BPSK	1@0	-7.15	-22.28	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM PI/2 BPSK	1@24	-20.88	-8.67	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	25@0	-11.53	-12.26	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	1@0	-7.21	-21.68	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	1@24	-21.06	-8.23	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM PI/2 BPSK	25@0	-12.8	-14.1	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM PI/2 BPSK	1@0	-7.09	-21.05	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM PI/2 BPSK	1@24	-20.89	-8.73	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	25@0	-13.13	-13.46	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	1@0	-7.91	-21.14	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	1@24	-20.93	-7.99	see graph	PASS

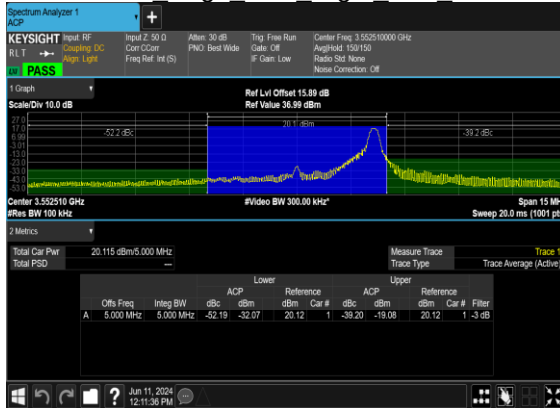
B2_N48(5M)_DFT-s-OFDM_PI_2-
BPSK Outer Full Low CH



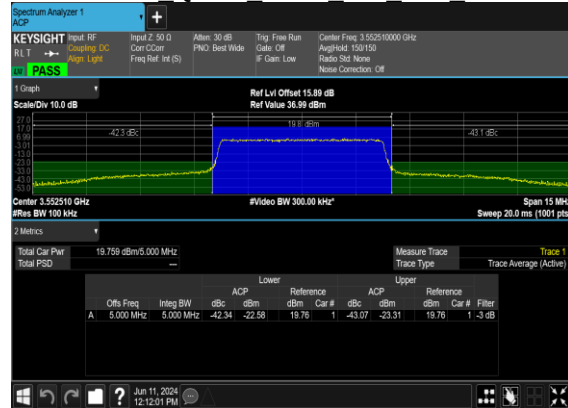
B2_N48(5M)_DFT-s-OFDM_PI_2-
BPSK Edge 1RB Left Low CH



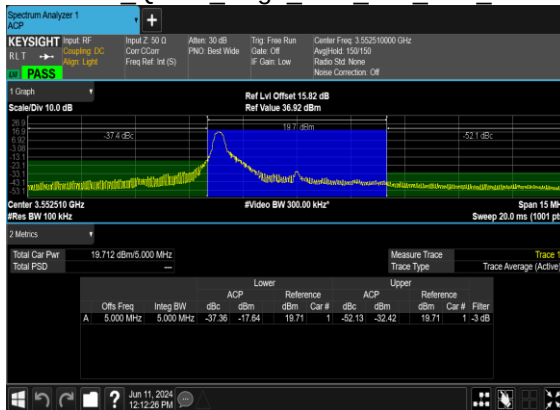
B2_N48(5M)_DFT-s-OFDM_PI_2-
BPSK Edge 1RB Right Low CH



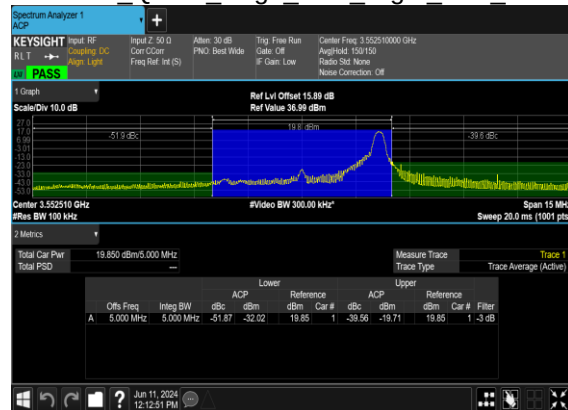
B2_N48(5M)_DFT-s-
OFDM QPSK Outer Full Low CH



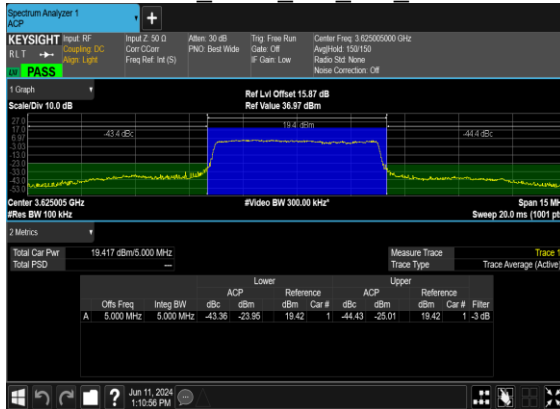
B2_N48(5M)_DFT-s-
OFDM QPSK Edge 1RB Left Low CH



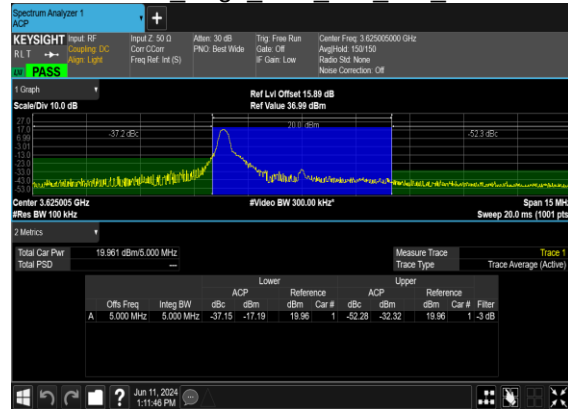
B2_N48(5M)_DFT-s-
OFDM QPSK Edge 1RB Right Low CH



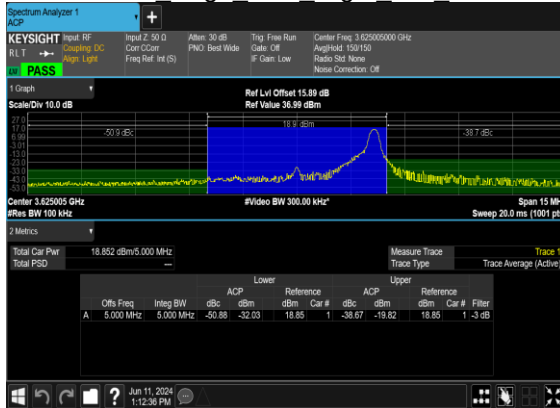
B2_N48(5M)_DFT-s-OFDM_PI_2-
BPSK Outer Full Mid CH



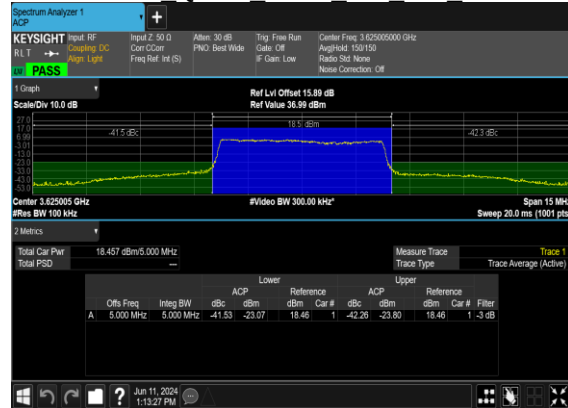
B2_N48(5M)_DFT-s-OFDM_PI_2-
BPSK Edge 1RB Left Mid CH



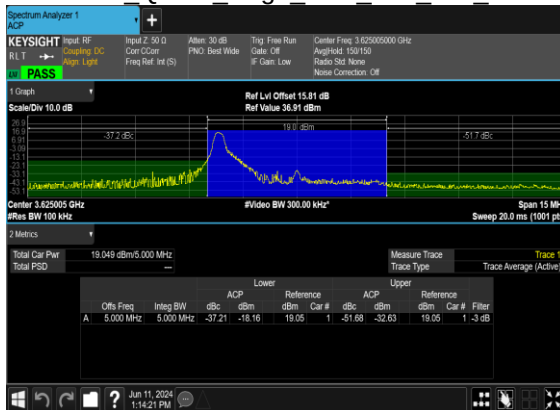
B2_N48(5M)_DFT-s-OFDM_PI_2-
BPSK Edge 1RB Right Mid CH



B2_N48(5M)_DFT-s-
OFDM QPSK Outer Full Mid CH



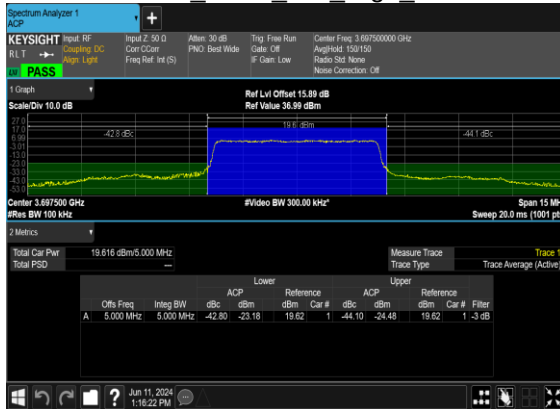
B2_N48(5M)_DFT-s-
OFDM QPSK Edge 1RB Left Mid CH



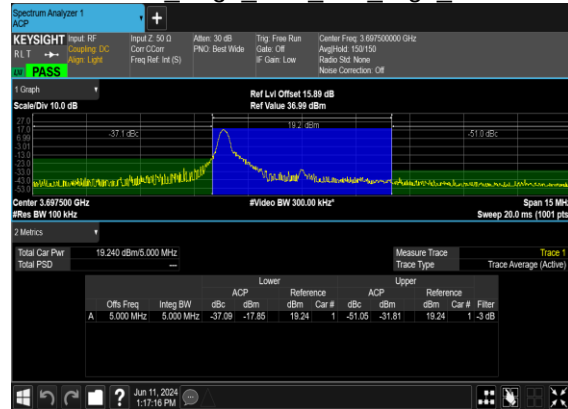
B2_N48(5M)_DFT-s-
OFDM QPSK Edge 1RB Right Mid CH



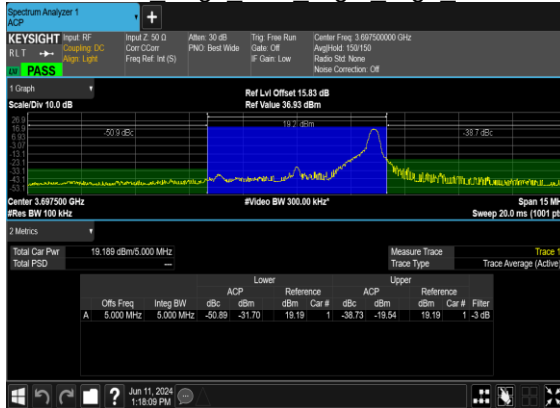
B2_N48(5M)_DFT-s-OFDM_PI_2-
BPSK Outer Full High CH



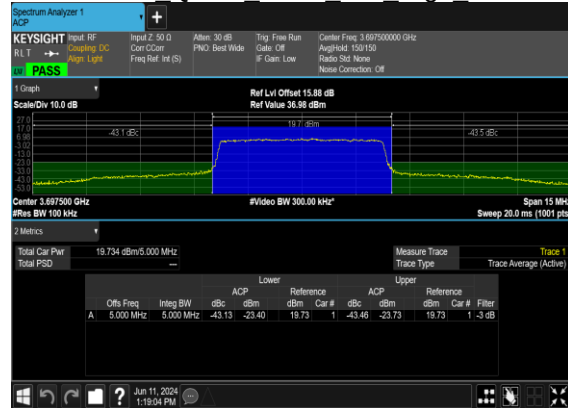
B2_N48(5M)_DFT-s-OFDM_PI_2-
BPSK Edge 1RB Left High CH



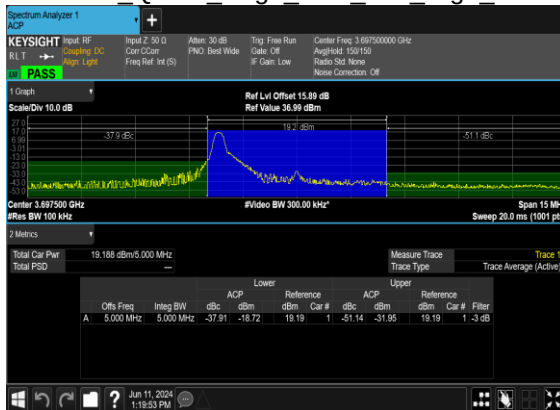
B2_N48(5M)_DFT-s-OFDM_PI_2-
BPSK Edge 1RB Right High CH



B2_N48(5M)_DFT-s-
OFDM QPSK Outer Full High CH



B2_N48(5M)_DFT-s-
OFDM QPSK Edge 1RB Left High CH



B2_N48(5M)_DFT-s-
OFDM QPSK Edge 1RB Right High CH



Conducted Spurious Emissions

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	15	5	636834	3552.51	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	5	636834	3552.51	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	5	641667	3625.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM BPSK	1@0	see graph	---
48	15	5	646500	3697.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	1@0	see graph	---
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	1@0	see graph	PASS

B2_N48(5M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



B2_N48(5M)_DFT-s-OFDM BPSK Edge 1RB Left Low CH



B2_N48(5M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



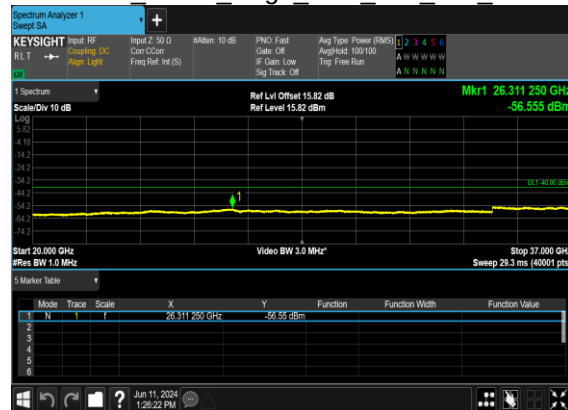
B2_N48(5M)_DFT-s-OFDM QPSK Edge 1RB Left Low CH



B2_N48(5M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



B2_N48(5M)_DFT-s-OFDM BPSK Edge 1RB Left Mid CH



B2_N48(5M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



B2_N48(5M)_DFT-s-OFDM QPSK Edge 1RB Left Mid CH



B2_N48(5M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



B2_N48(5M)_DFT-s-OFDM BPSK Edge 1RB Left High CH



B2_N48(5M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



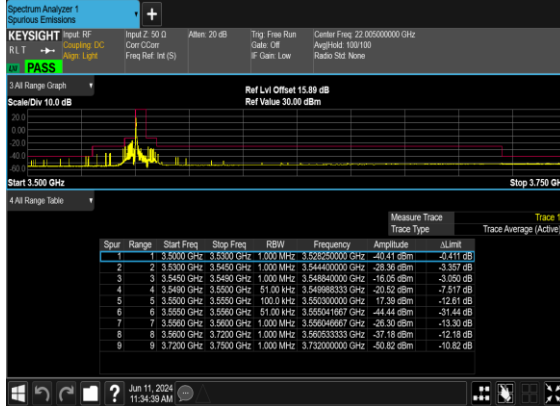
B2_N48(5M)_DFT-s-OFDM QPSK Edge 1RB Left High CH



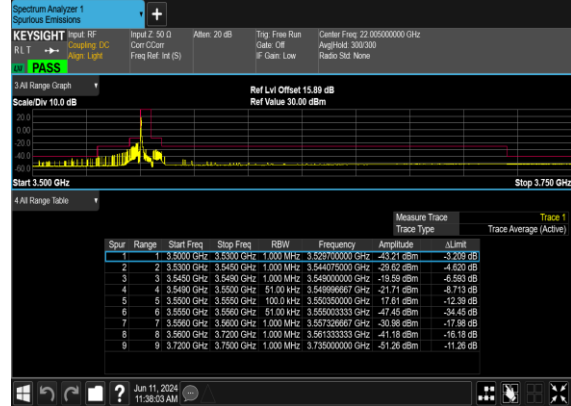
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
48	15	5	636834	3552.51	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM BPSK	1@24	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	1@24	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM BPSK	25@0	see graph	PASS
48	15	5	636834	3552.51	DFT-s-OFDM QPSK	25@0	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM BPSK	1@24	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	1@24	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM BPSK	25@0	see graph	PASS
48	15	5	641667	3625.005	DFT-s-OFDM QPSK	25@0	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM BPSK	1@0	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	1@0	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM BPSK	1@24	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	1@24	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM BPSK	25@0	see graph	PASS
48	15	5	646500	3697.5	DFT-s-OFDM QPSK	25@0	see graph	PASS

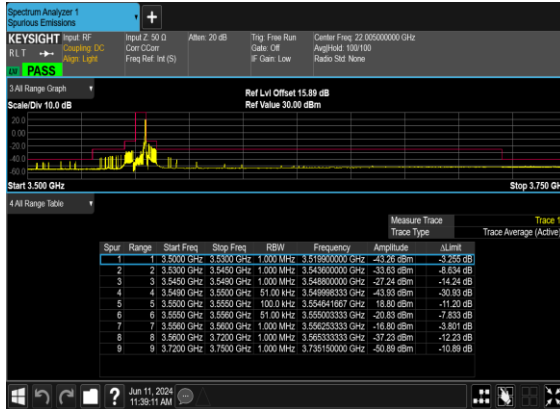
B2_N48(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Low_CH



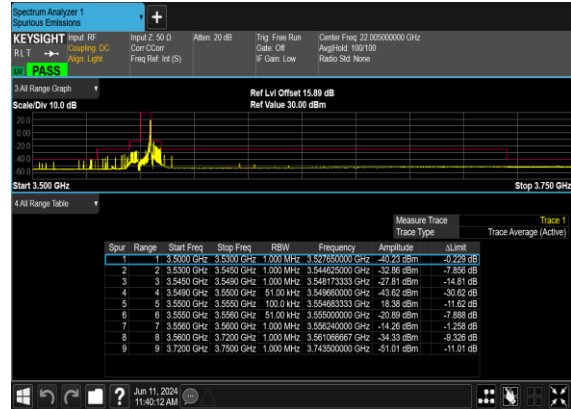
B2_N48(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Low_CH



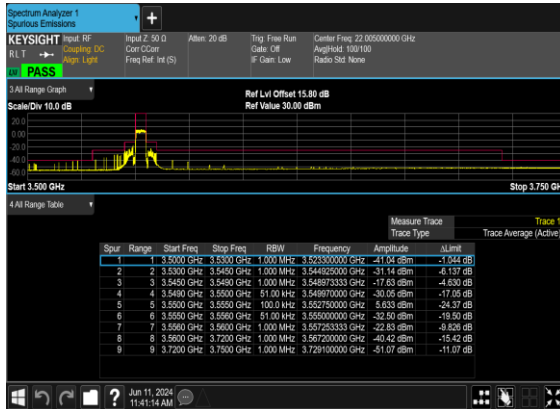
B2_N48(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Low_CH



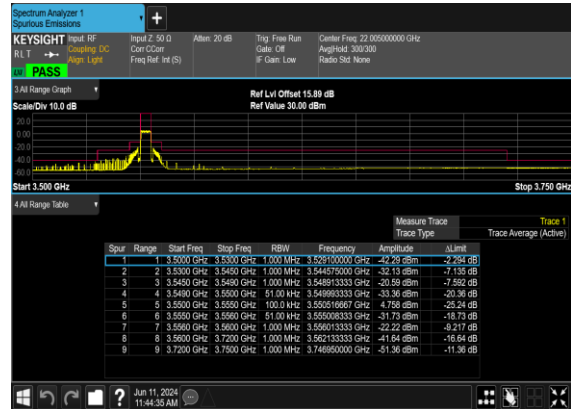
B2_N48(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Low_CH



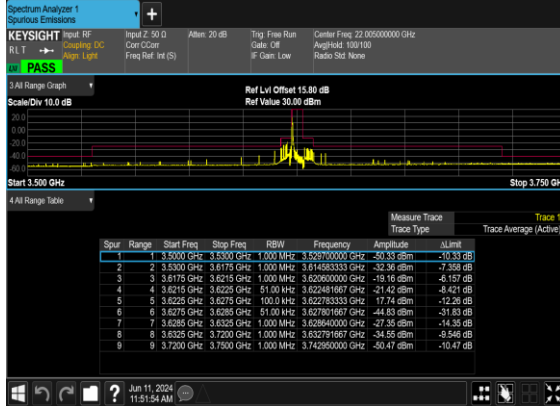
B2_N48(5M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



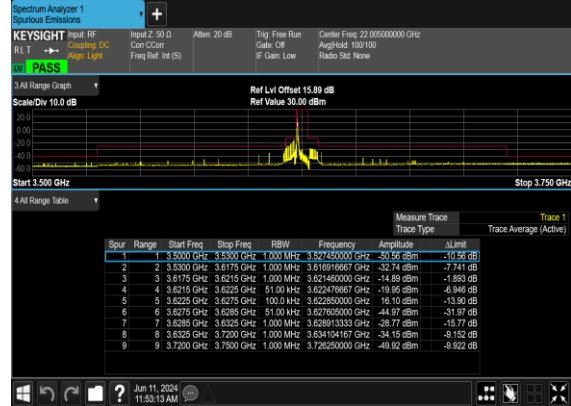
B2_N48(5M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



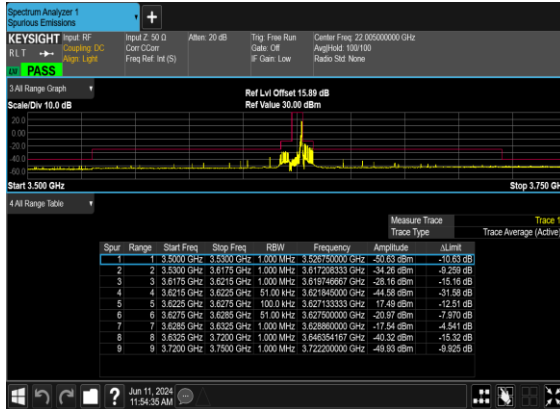
B2_N48(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



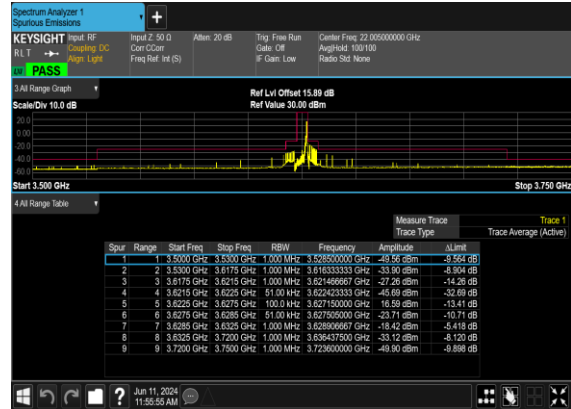
B2_N48(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



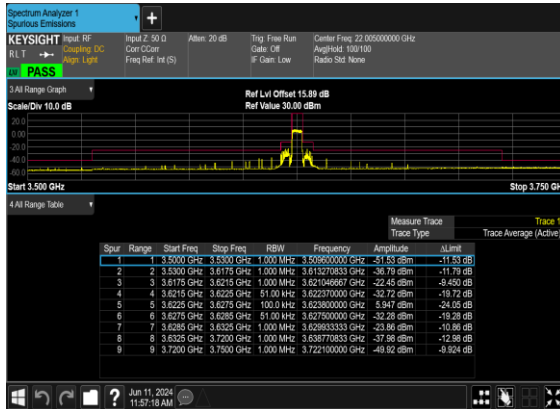
B2_N48(5M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



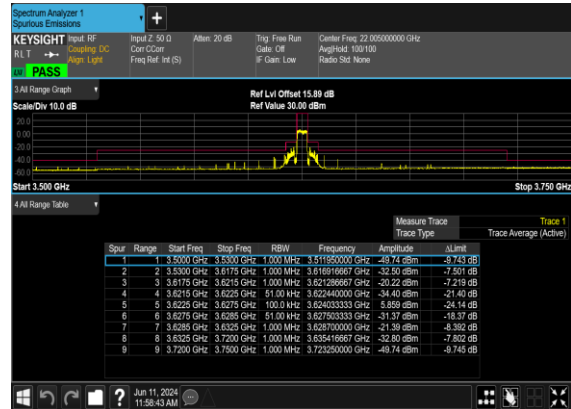
B2_N48(5M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



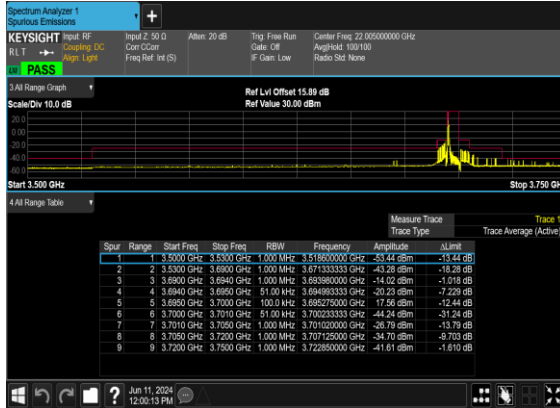
B2_N48(5M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



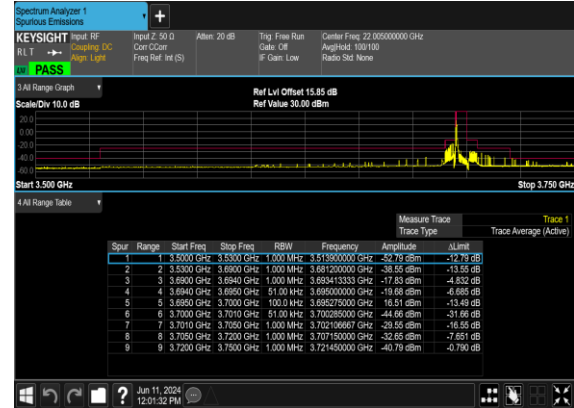
B2_N48(5M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



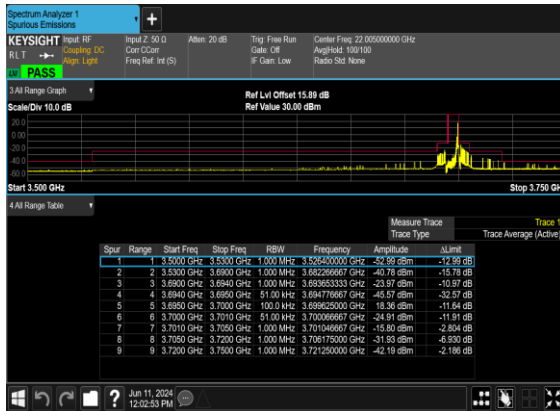
B2_N48(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Left_High_CH



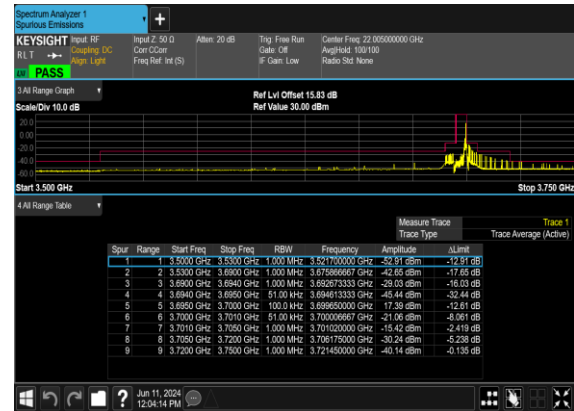
B2_N48(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Left_High_CH



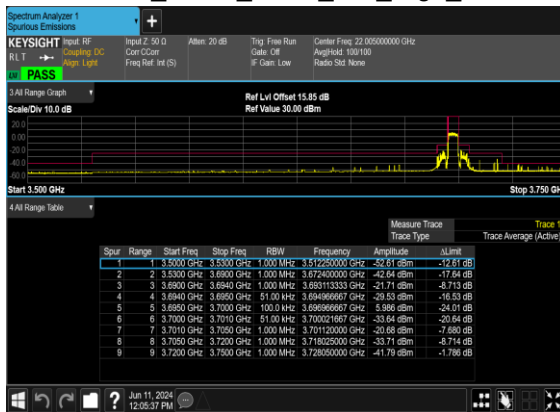
B2_N48(5M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_High_CH



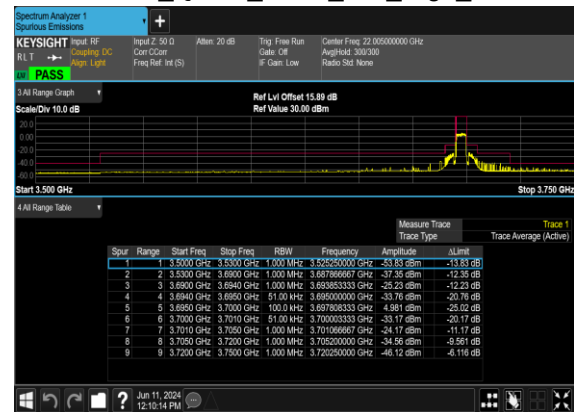
B2_N48(5M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_High_CH



B2_N48(5M)_DFT-s- OFDM_BPSK_Outer_Full_High_CH



B2_N48(5M)_DFT-s- OFDM_QPSK_Outer_Full_High_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Qingsheng He	Temperature :	22~25°C
		Relative Humidity :	48~52%

SA n48 / 40MHz / QPSK / Sample 1 & Monopole Antenna									
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)
Middle	7152.35	-57.18	-40	-17.18	-65.58	-60.48	8.30	11.60	H
	10728.52	-54.27	-40	-14.27	-67.45	-55.79	10.48	12.00	H
	14304.70	-53.65	-40	-13.65	-69.67	-55.35	11.80	13.50	H
	7152.35	-55.64	-40	-15.64	-65.68	-58.94	8.30	11.60	V
	10728.52	-51.88	-40	-11.88	-67.58	-53.40	10.48	12.00	V
	14304.70	-54.04	-40	-14.04	-69.53	-55.74	11.80	13.50	V

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

EN-DC_66A_n48A / LTE 10MHz + NR 40MHz / QPSK / Sample 1 & Monopole Antenna									
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)
Middle 5G n48	7152.35	-57.41	-40	-17.41	-65.81	-60.71	8.30	11.60	H
	10728.52	-54.67	-40	-14.67	-67.85	-56.19	10.48	12.00	H
	14304.70	-53.78	-40	-13.78	-69.80	-55.48	11.80	13.50	H
	7152.35	-55.70	-40	-15.70	-65.74	-59.00	8.30	11.60	V
	10728.52	-51.63	-40	-11.63	-67.33	-53.15	10.48	12.00	V
	14304.70	-54.23	-40	-14.23	-69.72	-55.93	11.80	13.50	V
Middle LTE Band 66	3481	-59.08	-13	-46.08	-81.12	-65.93	5.65	12.50	H
	5221.5	-57.30	-13	-44.30	-82.18	-62.97	7.13	12.80	H
	6962	-58.45	-13	-45.45	-66.11	-61.85	8.40	11.80	H
	3481	-58.10	-13	-45.10	-80.81	-64.95	5.65	12.50	V
	5221.5	-57.27	-13	-44.27	-82.32	-62.94	7.13	12.80	V
	6962	-57.95	-13	-44.95	-66.16	-61.35	8.40	11.80	V

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



SA n48 / 40MHz / QPSK / Sample 2 & Monopole Antenna									
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)
Middle	7152.35	-57.03	-40	-17.03	-65.43	-60.33	8.30	11.60	H
	10728.52	-54.84	-40	-14.84	-68.02	-56.36	10.48	12.00	H
	14304.70	-53.70	-40	-13.70	-69.72	-55.40	11.80	13.50	H
	7152.35	-41.02	-40	-1.02	-51.06	-44.32	8.30	11.60	V
	10728.52	-52.37	-40	-12.37	-68.07	-53.89	10.48	12.00	V
	14304.70	-54.32	-40	-14.32	-69.81	-56.02	11.80	13.50	V