

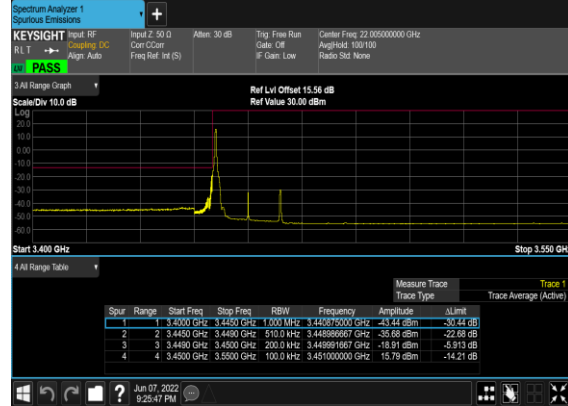
Conducted Band Edge

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Result	Verdict
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	1@50	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	1@50	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM BPSK	50@0	see graph	PASS
78	30	20	636000	3540.0	DFT-s-OFDM QPSK	50@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	632000	3480.0	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@161	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM BPSK	162@0	see graph	PASS
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	162@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@272	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM BPSK	270@0	see graph	PASS
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	270@0	see graph	PASS

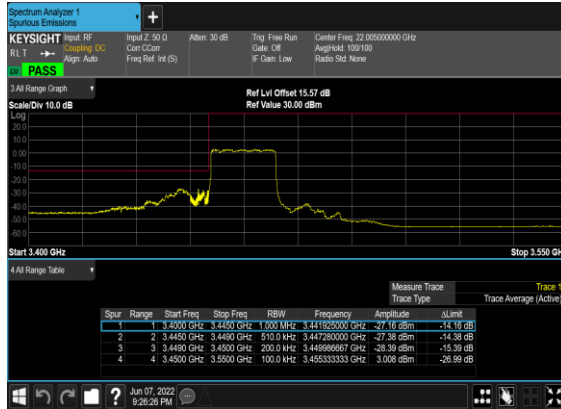
N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



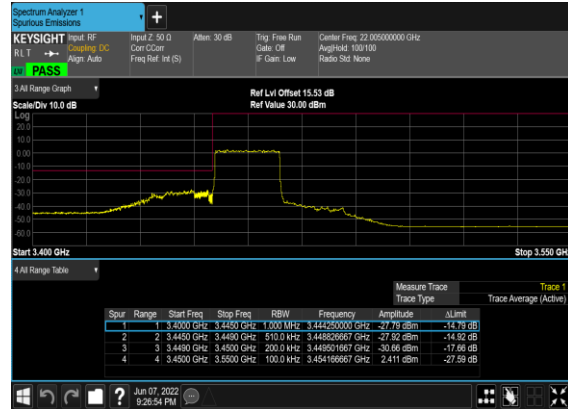
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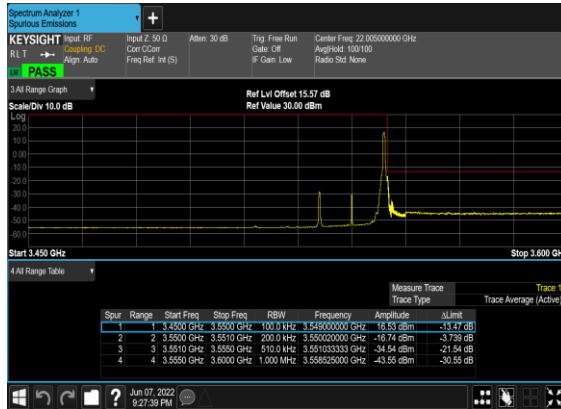
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OFDM_BPSK_Outer_Full_Low_CH



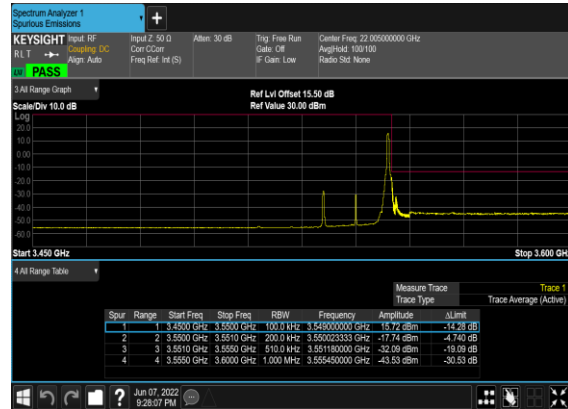
N78(20M)_DFT-s-
OFDM_QPSK_Outer_Full_Low_CH



N78(20M)_DFT-s-
OFDM_BPSK_Edge_1RB_Right_High_CH



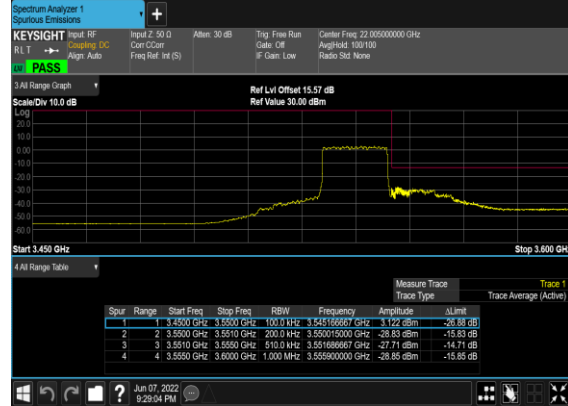
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OFDM_QPSK_Edge_1RB_Right_High_CH



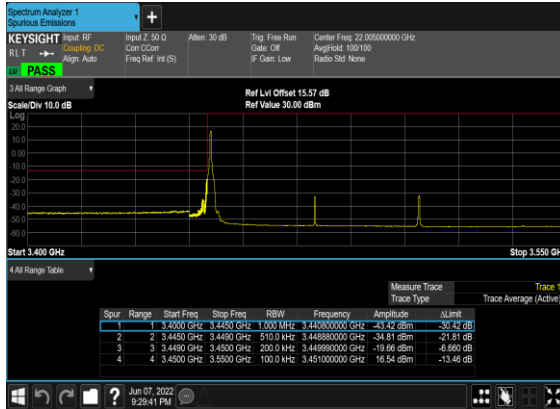
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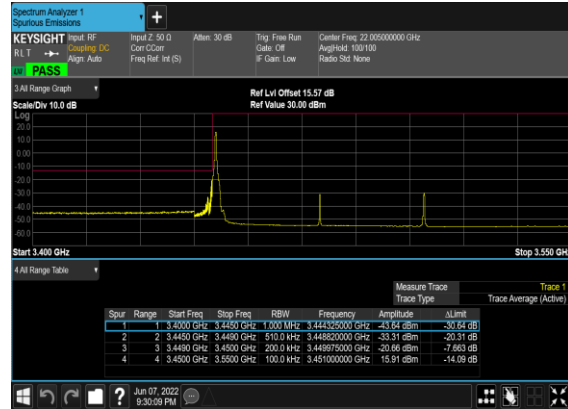
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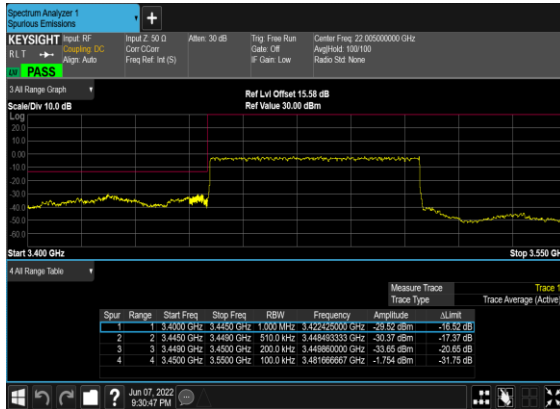
N78(60M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Low_CH



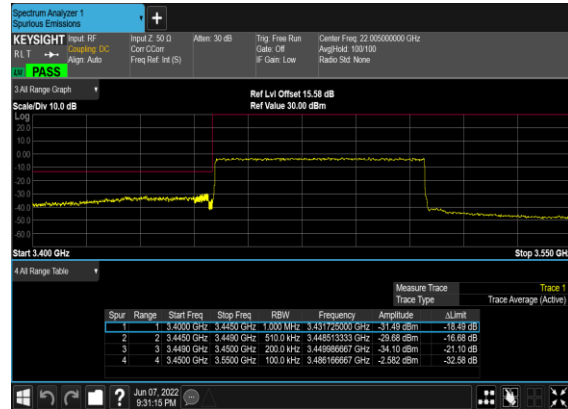
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OFDM_QPSK_Edge_1RB_Left_Low_CH



N78(60M)_DFT-s-
OFDM_BPSK_Outer_Full_Low_CH



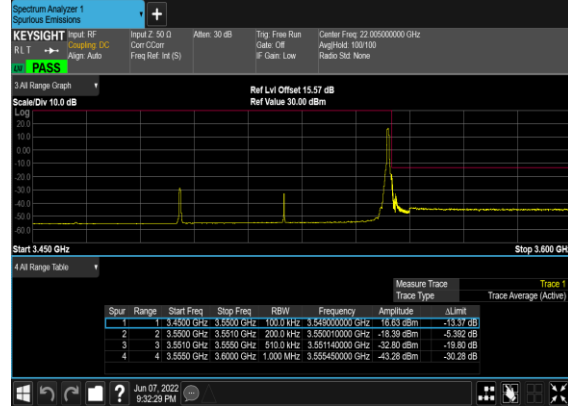
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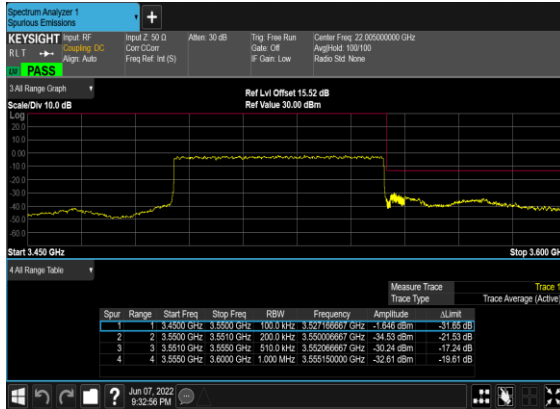
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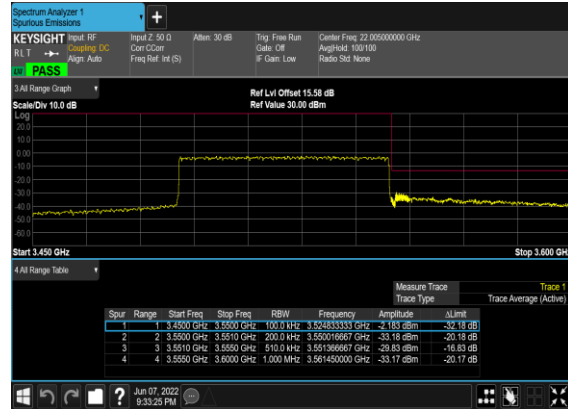
N78(60M)_DFT-s-
OFDM_QPSK_Edge_1RB_Right_High_CH



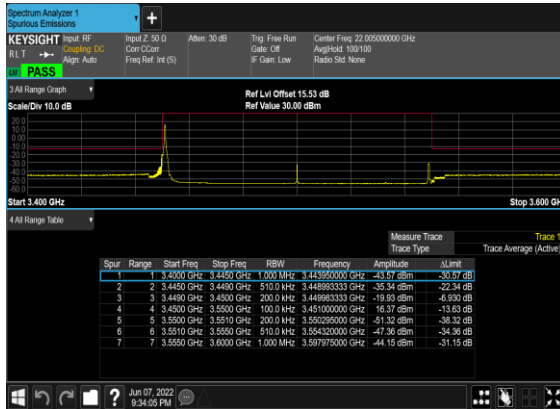
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OFDM_BPSK_Outer_Full_High_CH



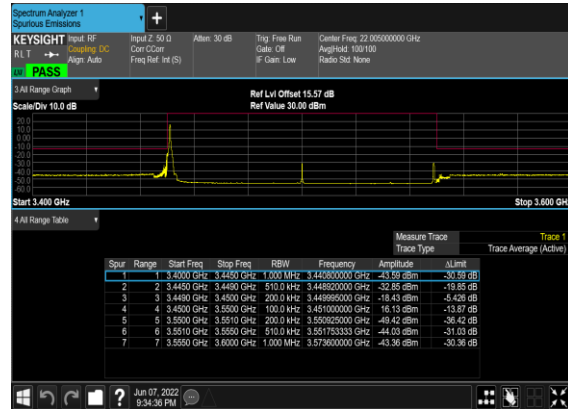
N78(60M)_DFT-s-
OFDM_QPSK_Outer_Full_High_CH



N78(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



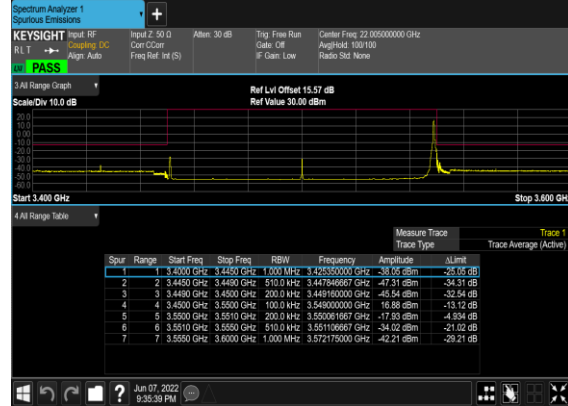
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OFDM_QPSK_Edge_1RB_Left_Mid_CH



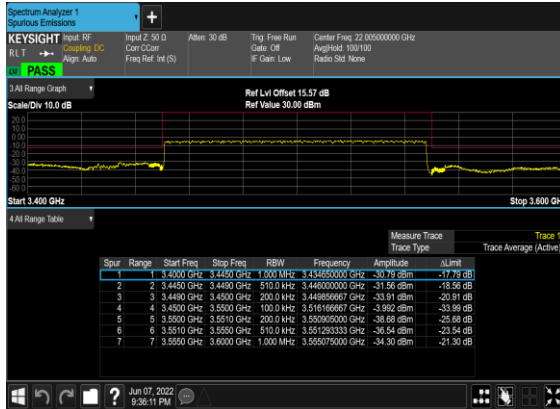
N78(100M)_DFT-s- OFDM_BPSK_Edge_1RB_Right_Mid_CH



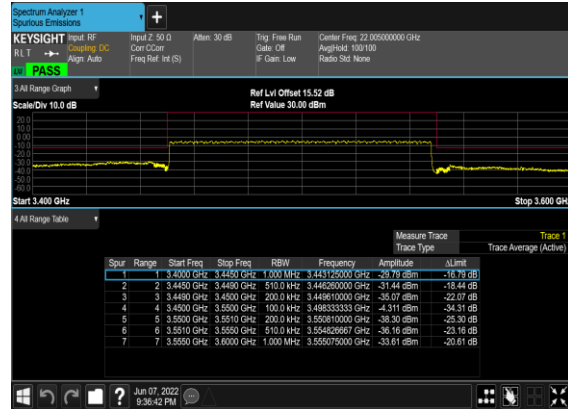
N78(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Mid_CH



N78(100M)_DFT-s- OFDM_BPSK_Outer_Full_Mid_CH



N78(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

RSE Pre-scanned harmonic for the different antenna combinations for EN-DC mode, we choose the worst antenna mode to test.

SA n78 / 100MHz / QPSK / ANT2									
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	6902.50	-58.23	-13	-45.23	-64.83	-61.53	8.30	11.60	H
	10353.75	-56.09	-13	-43.09	-67.84	-57.61	10.48	12.00	H
	13805.00	-54.87	-13	-41.87	-69.02	-56.57	11.80	13.50	H
	6902.50	-58.86	-13	-45.86	-66.74	-62.16	8.30	11.60	V
	10353.75	-54.46	-13	-41.46	-68.01	-55.98	10.48	12.00	V
	13805.00	-56.39	-13	-43.39	-69.35	-58.09	11.80	13.50	V

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

EN-DC_41A_n78A / LTE 20MHz + NR 100MHz / QPSK / ANT0(LTE) & ANT2(NR)									
Channel	Frequency (MHz)	ERP/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)
NR n78 Middle	6900.00	-60.06	-13	-47.06	-66.66	-63.36	8.30	11.60	H
	10350.00	-51.29	-13	-38.29	-63.04	-52.81	10.48	12.00	H
	13797.00	-55.05	-13	-42.05	-69.20	-56.75	11.80	13.50	H
	6900.00	-58.48	-13	-45.48	-66.36	-61.78	8.30	11.60	V
	10350.00	-54.11	-13	-41.11	-67.66	-55.63	10.48	12.00	V
	13797.00	-56.35	-13	-43.35	-69.31	-58.05	11.80	13.50	V
LTE Band41 Middle	5168.00	-60.11	-25	-35.11	-64.37	-65.67	7.14	12.70	H
	7752.00	-58.22	-25	-33.22	-65.80	-61.52	8.30	11.60	H
	10336.00	-56.32	-25	-31.32	-68.05	-57.84	10.48	12.00	H
	5168.00	-59.84	-25	-34.84	-64.6	-65.40	7.14	12.70	V
	7752.00	-54.88	-25	-29.88	-65.55	-58.18	8.30	11.60	V
	10336.00	-54.74	-25	-29.74	-68.22	-56.26	10.48	12.00	V

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