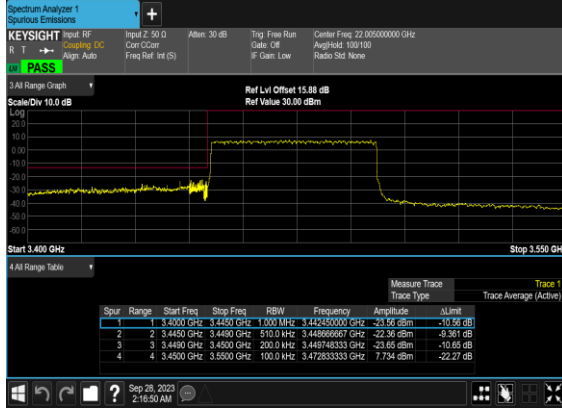
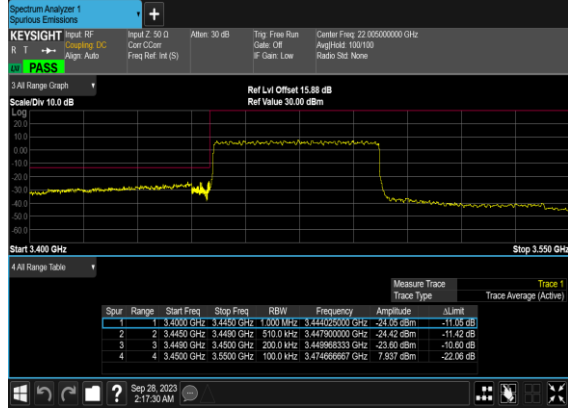


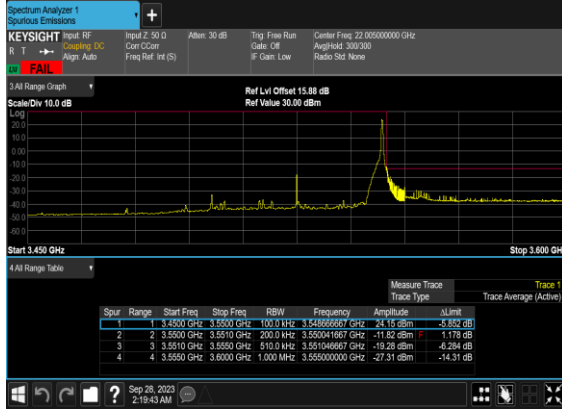
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_Low_CH



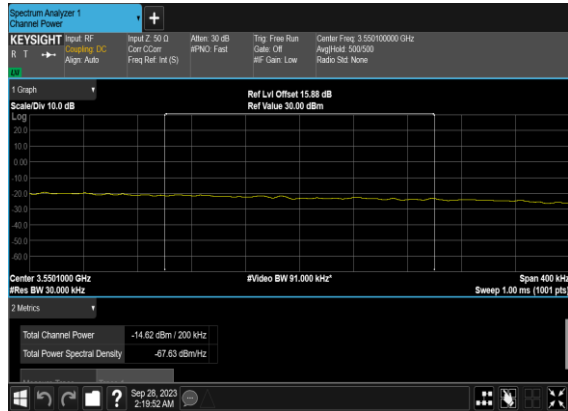
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_Low_CH



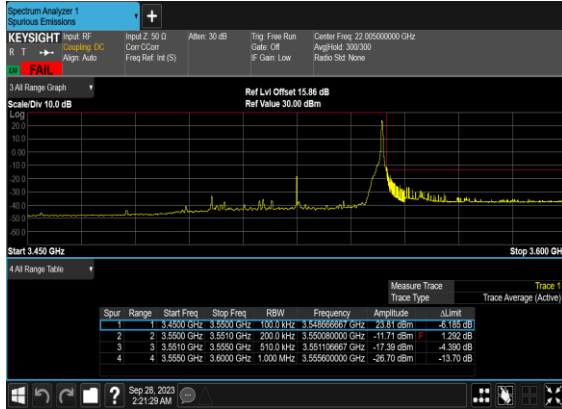
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH



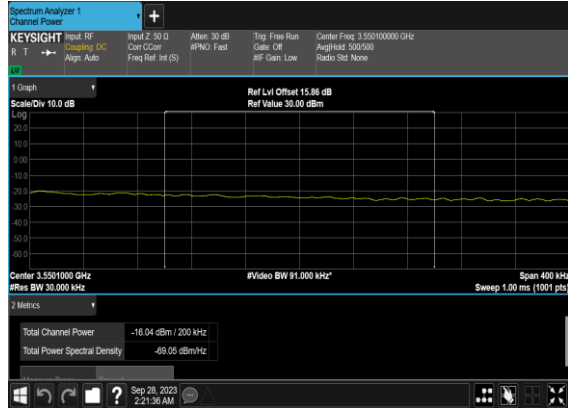
N77(50M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_High_CH_CHP_PASS



N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH



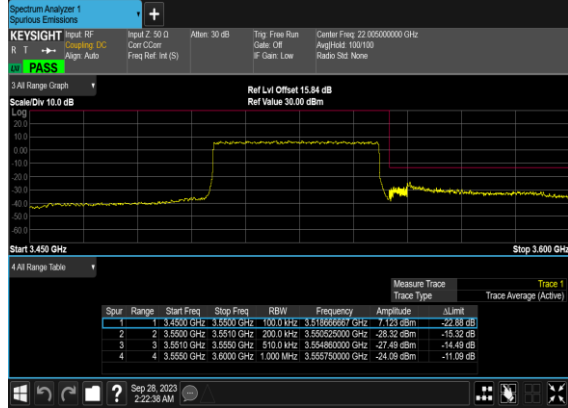
N77(50M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_High_CH_CHP_PASS



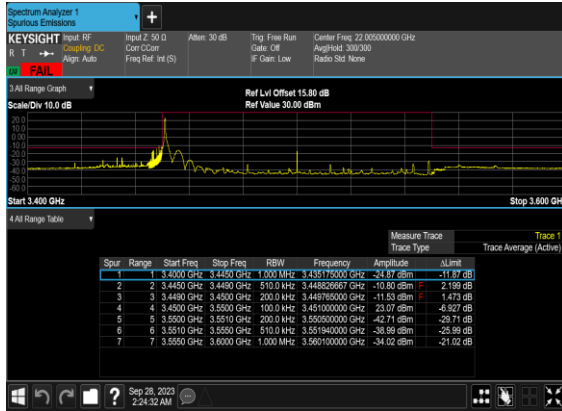
N77(50M)_DFT-s-OFDM_BPSK_Outer_Full_High_CH



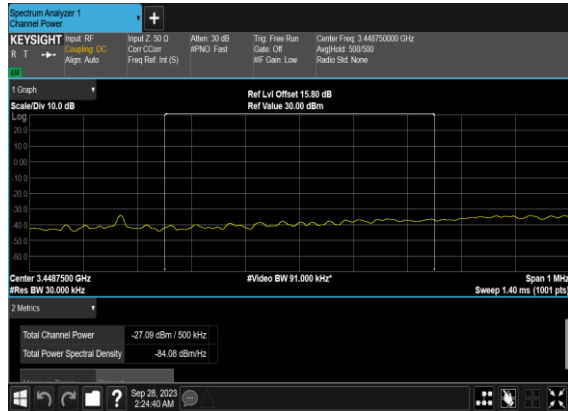
N77(50M)_DFT-s-OFDM_QPSK_Outer_Full_High_CH



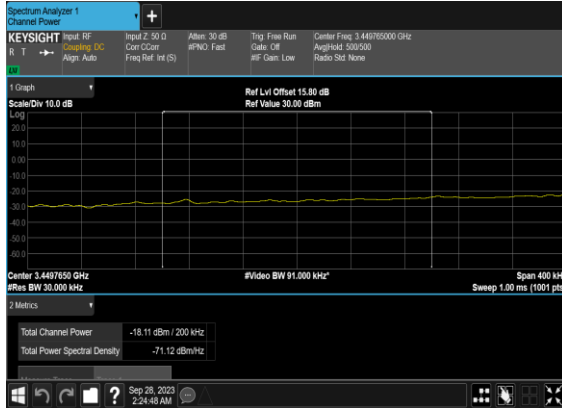
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH



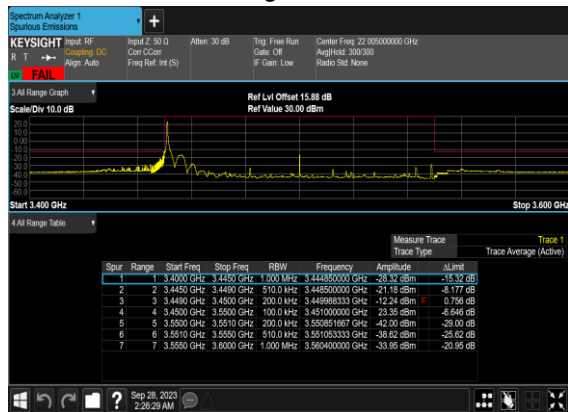
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH_CHP_ASS



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Left_Mid_CH_CHP_PASS



N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH



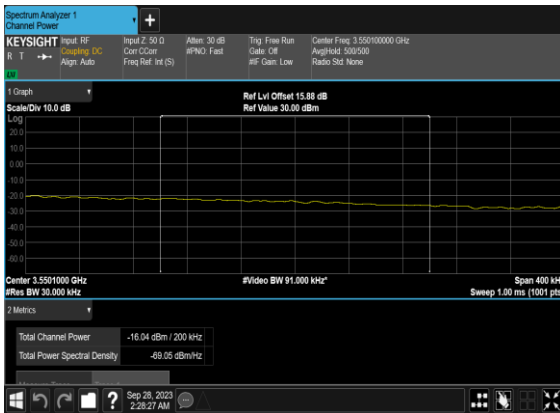
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Left_Mid_CH_chp_PASS



N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH



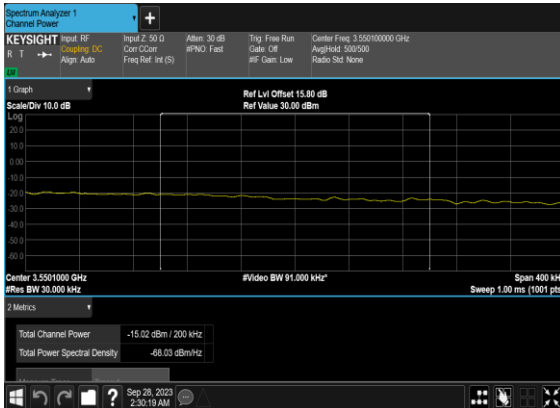
N77(100M)_DFT-s-OFDM_BPSK_Edge_1RB_Right_Mid_CH_chp_PASS



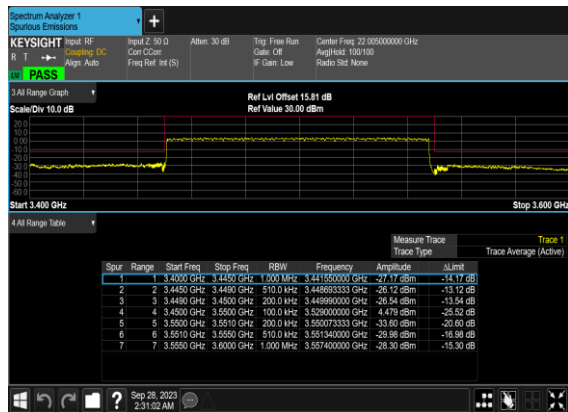
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH



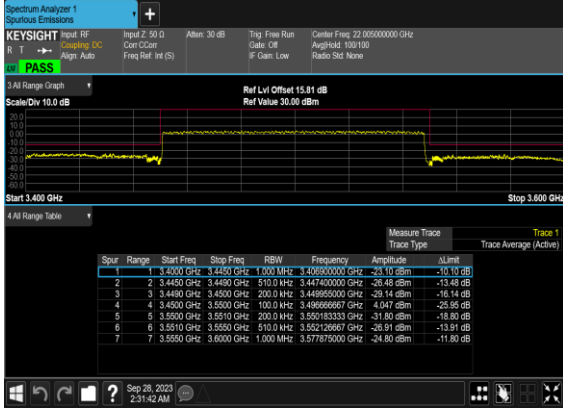
N77(100M)_DFT-s-OFDM_QPSK_Edge_1RB_Right_Mid_CH_chp_PASS



N77(100M)_DFT-s-OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s-OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78(ANT5)

Transmitter Conducted Output Power And EIRP, ($G_T - L_C$)=-1.5dB

NR Band	SCS (kHz)	Bandwidth (MHz)	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	25.78	24.28	0.2679
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	24.58	23.08	0.2032
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.8	24.3	0.2692
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.55	23.05	0.2018
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	25.78	24.28	0.2679
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	24.52	23.02	0.2004
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	25.77	24.27	0.2673
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	24.54	23.04	0.2014
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.8	24.3	0.2692
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.56	23.06	0.2023
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	25.72	24.22	0.2642
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	24.53	23.03	0.2009
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	25.72	24.22	0.2642
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	24.53	23.03	0.2009
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.72	24.22	0.2642
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.52	23.02	0.2004
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	25.69	24.19	0.2624
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	24.47	22.97	0.1982
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	25.58	24.08	0.2559
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	24.37	22.87	0.1936
78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.57	24.07	0.2553
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.38	22.88	0.1941
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	25.57	24.07	0.2553
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	24.38	22.88	0.1941
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	25.33	23.83	0.2415
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	24.17	22.67	0.1849
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.36	23.86	0.2432
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.16	22.66	0.1845
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	25.32	23.82	0.2410

78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	24.16	22.66	0.1845
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	25.64	24.14	0.2594
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	24.46	22.96	0.1977
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.67	24.17	0.2612
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.45	22.95	0.1972
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	25.62	24.12	0.2582
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	24.44	22.94	0.1968
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	25.57	24.07	0.2553
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	24.39	22.89	0.1945
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.57	24.07	0.2553
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.4	22.9	0.1950
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	25.56	24.06	0.2547
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	24.4	22.9	0.1950
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	25.43	23.93	0.2472
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	24.28	22.78	0.1897
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.48	23.98	0.2500
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.27	22.77	0.1892
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	25.47	23.97	0.2495
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	24.29	22.79	0.1901
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	25.27	23.77	0.2382
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	24.08	22.58	0.1811
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.28	23.78	0.2388
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.12	22.62	0.1828
78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	25.32	23.82	0.2410
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	24.54	23.04	0.2014
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	25.08	23.58	0.2280
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	24.26	22.76	0.1888
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	25.13	23.63	0.2307
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	24.31	22.81	0.1910
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	25.15	23.65	0.2317
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	24.35	22.85	0.1928
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	25.8	24.3	0.2692
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	24.99	23.49	0.2234
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	24.6	23.1	0.2042
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	25.81	24.31	0.2698

78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	24.96	23.46	0.2218
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	24.64	23.14	0.2061
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	24.8	23.3	0.2138
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	23.78	22.28	0.1690
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	23.42	21.92	0.1556
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	23.33	21.83	0.1524
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	22.38	20.88	0.1225
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	22.08	20.58	0.1143
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	21.32	19.82	0.0959
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	20.41	18.91	0.0778
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	20.06	18.56	0.0718
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	24.28	22.78	0.1897
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	23.49	21.99	0.1581
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	23.15	21.65	0.1462

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

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

RSE pre-scanned harmonic for different antennas, choose the worst antenna perform final test and record in the report.

n77 SA / NR 100MHz / QPSK(ANT8)									
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	6902.40	-54.77	-13	-41.77	-62.23	-58.07	8.30	11.60	H
	10353.60	-56.63	-13	-43.63	-68.65	-58.15	10.48	12.00	H
	13804.80	-53.93	-13	-40.93	-69.78	-55.63	11.80	13.50	H
	6902.40	-57.40	-13	-44.40	-66.14	-60.70	8.30	11.60	V
	10353.60	-54.72	-13	-41.72	-68.54	-56.24	10.48	12.00	V
	13804.80	-55.45	-13	-42.45	-70.11	-57.15	11.80	13.50	V

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

EN-DC_30A_n77A / LTE 10MHz + NR 100MHz / QPSK(1+5)									
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)
NR n77 Middle	6902.40	-50.11	-13	-37.11	-57.57	-53.41	8.30	11.60	H
	10353.60	-56.35	-13	-43.35	-68.37	-57.87	10.48	12.00	H
	13804.80	-53.64	-13	-40.64	-69.49	-55.34	11.80	13.50	H
	6902.40	-55.36	-13	-42.36	-64.1	-58.66	8.30	11.60	V
	10353.60	-54.51	-13	-41.51	-68.33	-56.03	10.48	12.00	V
	13804.80	-54.78	-13	-41.78	-69.44	-56.48	11.80	13.50	V
LTE Band30 Middle	4611.00	-56.90	-40	-16.90	-61.85	-63.15	6.45	12.70	H
	6916.50	-58.38	-40	-18.38	-65.88	-61.78	8.40	11.80	H
	9222.00	-59.00	-40	-19.00	-68.52	-61.35	9.65	12.00	H
	4611.00	-51.65	-40	-11.65	-56.73	-57.90	6.45	12.70	V
	6916.50	-57.42	-40	-17.42	-66.02	-60.82	8.40	11.80	V
	9222.00	-56.65	-40	-16.65	-68.4	-59.00	9.65	12.00	V

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