

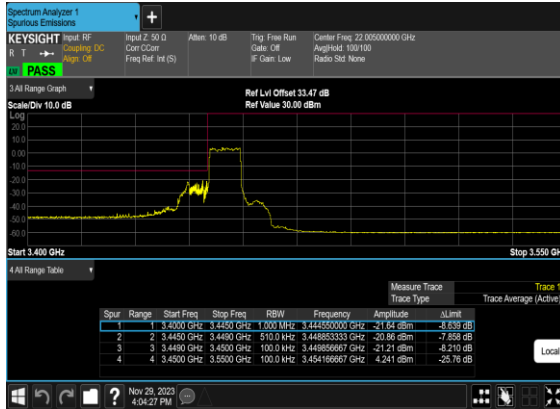
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OFDM_BPSK_Edge_1RB_Left_Low_CH



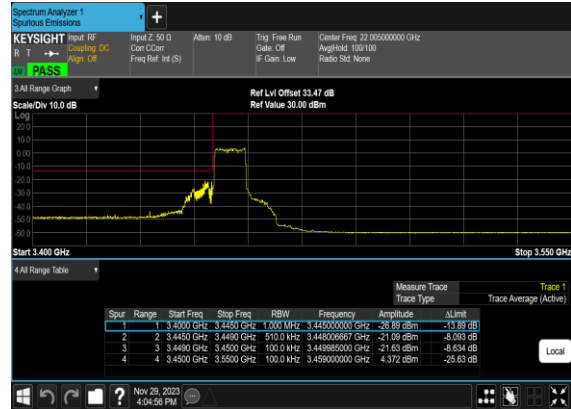
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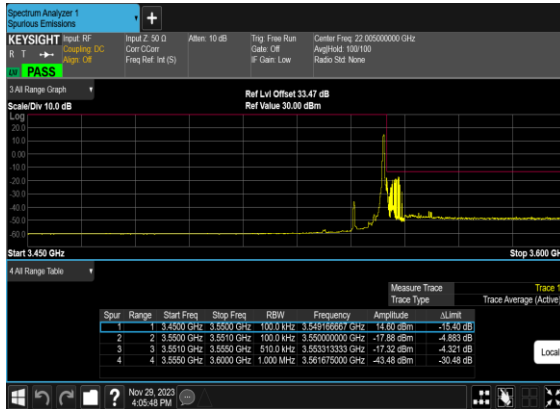
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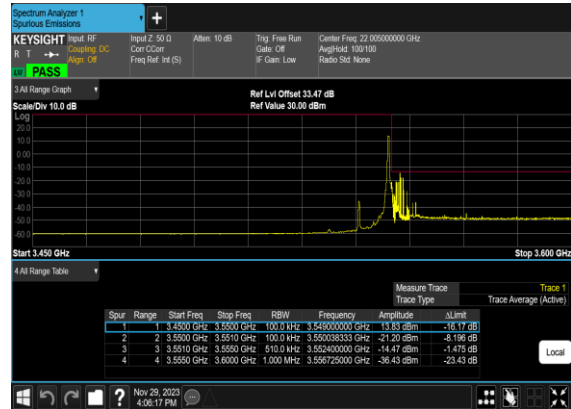
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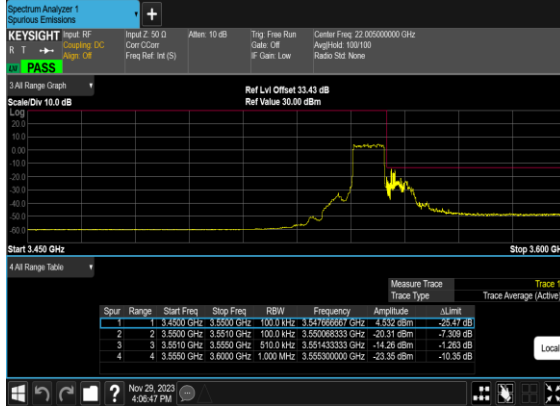
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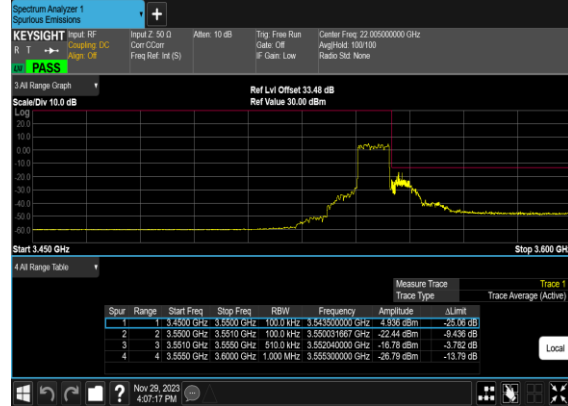
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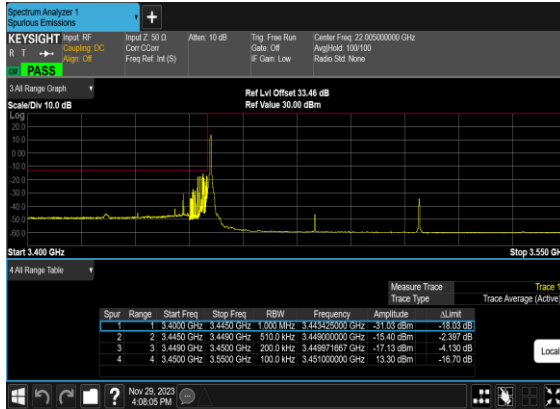
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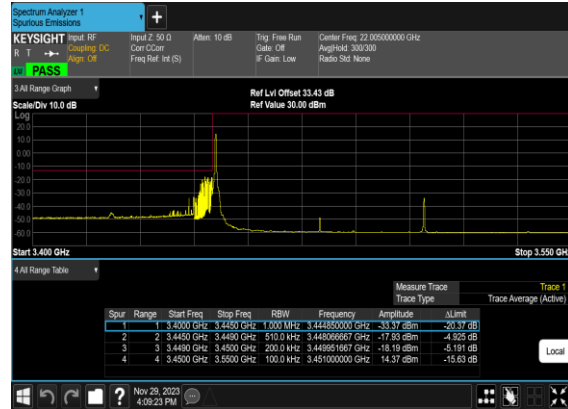
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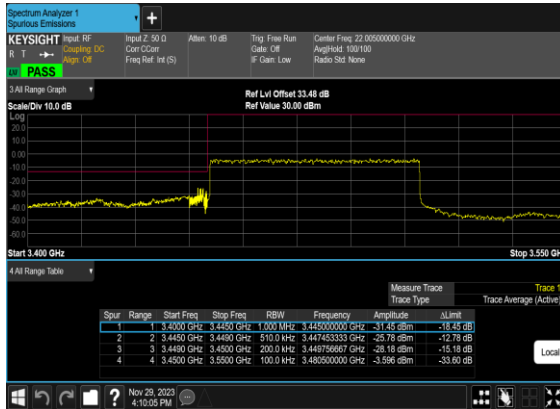
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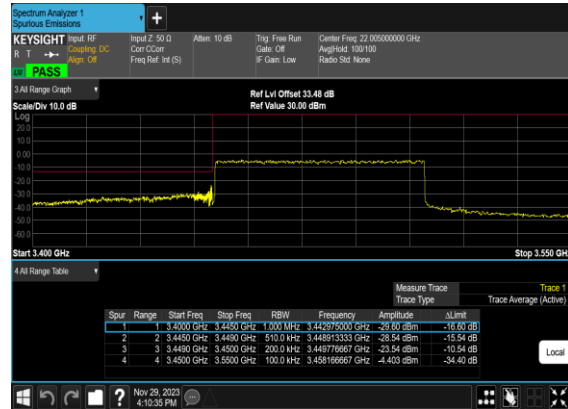
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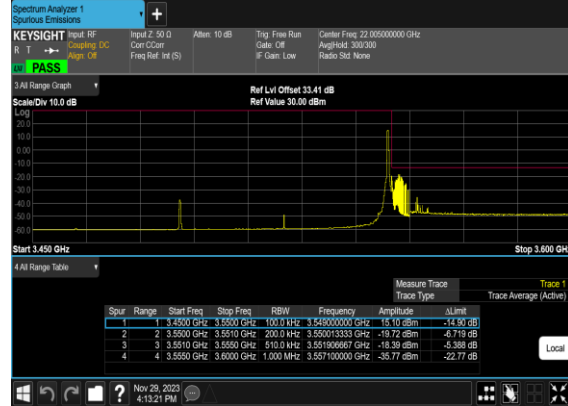
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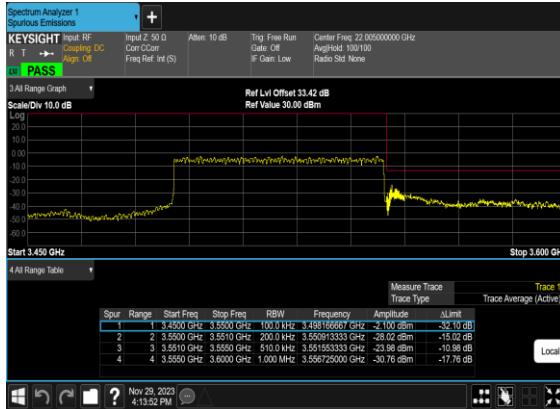
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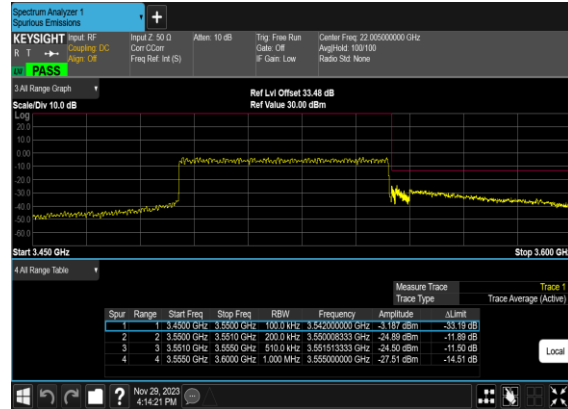
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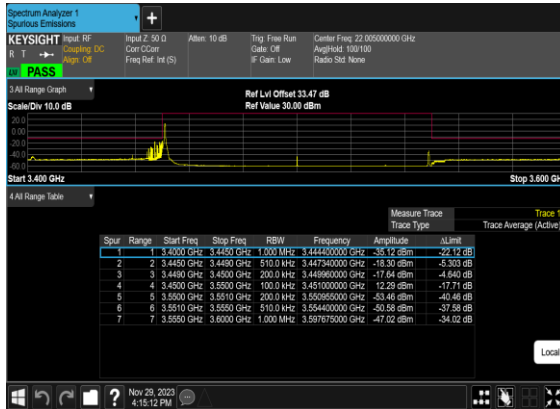
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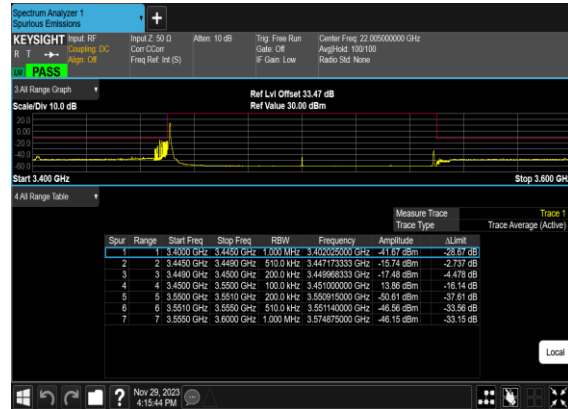
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OFDM_QPSK_Outer_Full_High_CH



N77(100M)_DFT-s-
OFDM_BPSK_Edge_1RB_Left_Mid_CH



N77(100M)_DFT-s-
OFDM_QPSK_Edge_1RB_Left_Mid_CH



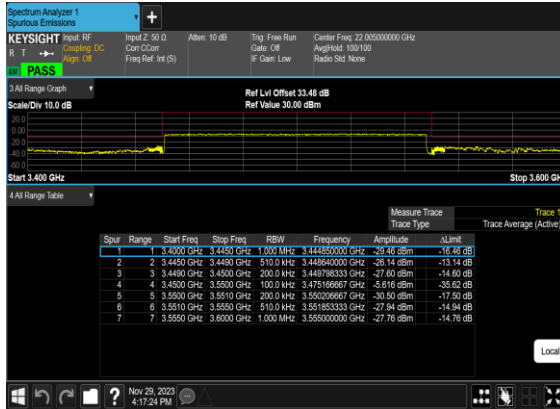
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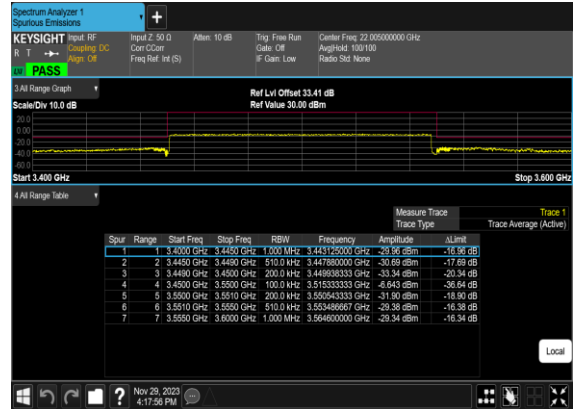
N77(100M)_DFT-s- OFDM_QPSK_Edge_1RB_Right_Mid_CH



N77(100M)_DFT-s- OFDM_BPSK_Outer_Full_Mid_CH



N77(100M)_DFT-s- OFDM_QPSK_Outer_Full_Mid_CH



FR1 N78(ANT1)

Transmitter Conducted Output Power and EIRP, $(G_T - L_C)=0.1\text{dB}$

NR Band	SCS	Band Width	Arfcn	Freq (MHz)	Modulation	RB	Conducted Power(dBm)	EIRP (dBm)	EIRP (W)
78	30	10	630334	3455.01	DFT-s-OFDM PI/2 BPSK	1@1	26.54	26.64	0.4613
78	30	10	630334	3455.01	DFT-s-OFDM QPSK	1@1	26.53	26.63	0.4603
78	30	10	630334	3455.01	DFT-s-OFDM 16 QAM	1@1	25.34	25.44	0.3499
78	30	10	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.65	26.75	0.4732
78	30	10	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.67	26.77	0.4753
78	30	10	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.53	25.63	0.3656
78	30	10	636332	3544.98	DFT-s-OFDM PI/2 BPSK	1@1	27.19	27.29	0.5358
78	30	10	636332	3544.98	DFT-s-OFDM QPSK	1@1	27.2	27.3	0.5370
78	30	10	636332	3544.98	DFT-s-OFDM 16 QAM	1@1	26.06	26.16	0.4130
78	30	15	630500	3457.5	DFT-s-OFDM PI/2 BPSK	1@1	26.4	26.5	0.4467
78	30	15	630500	3457.5	DFT-s-OFDM QPSK	1@1	26.43	26.53	0.4498
78	30	15	630500	3457.5	DFT-s-OFDM 16 QAM	1@1	25.38	25.48	0.3532
78	30	15	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.7	26.8	0.4786
78	30	15	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.72	26.82	0.4808
78	30	15	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.6	25.7	0.3715
78	30	15	636166	3542.49	DFT-s-OFDM PI/2 BPSK	1@1	27.16	27.26	0.5321
78	30	15	636166	3542.49	DFT-s-OFDM QPSK	1@1	27.15	27.25	0.5309
78	30	15	636166	3542.49	DFT-s-OFDM 16 QAM	1@1	26.11	26.21	0.4178
78	30	20	630668	3460.02	DFT-s-OFDM PI/2 BPSK	1@1	26.51	26.61	0.4581
78	30	20	630668	3460.02	DFT-s-OFDM QPSK	1@1	26.46	26.56	0.4529
78	30	20	630668	3460.02	DFT-s-OFDM 16 QAM	1@1	25.42	25.52	0.3565
78	30	20	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.68	26.78	0.4764
78	30	20	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.68	26.78	0.4764
78	30	20	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.6	25.7	0.3715
78	30	20	636000	3540	DFT-s-OFDM PI/2 BPSK	1@1	27.1	27.2	0.5248
78	30	20	636000	3540	DFT-s-OFDM QPSK	1@1	27.11	27.21	0.5260
78	30	20	636000	3540	DFT-s-OFDM 16 QAM	1@1	26.02	26.12	0.4093
78	30	25	630834	3462.51	DFT-s-OFDM PI/2 BPSK	1@1	26.85	26.95	0.4955
78	30	25	630834	3462.51	DFT-s-OFDM QPSK	1@1	26.86	26.96	0.4966
78	30	25	630834	3462.51	DFT-s-OFDM 16 QAM	1@1	25.78	25.88	0.3873
78	30	25	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27.1	27.2	0.5248
78	30	25	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.07	27.17	0.5212
78	30	25	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.96	26.06	0.4036
78	30	25	635832	3537.48	DFT-s-OFDM PI/2 BPSK	1@1	27.32	27.42	0.5521
78	30	25	635832	3537.48	DFT-s-OFDM QPSK	1@1	27.43	27.53	0.5662
78	30	25	635832	3537.48	DFT-s-OFDM 16 QAM	1@1	26.4	26.5	0.4467
78	30	30	631000	3465	DFT-s-OFDM PI/2 BPSK	1@1	26.48	26.58	0.4550
78	30	30	631000	3465	DFT-s-OFDM QPSK	1@1	26.51	26.61	0.4581
78	30	30	631000	3465	DFT-s-OFDM 16 QAM	1@1	25.42	25.52	0.3565
78	30	30	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.72	26.82	0.4808

78	30	30	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.76	26.86	0.4853
78	30	30	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.68	25.78	0.3784
78	30	30	635666	3534.99	DFT-s-OFDM PI/2 BPSK	1@1	27.21	27.31	0.5383
78	30	30	635666	3534.99	DFT-s-OFDM QPSK	1@1	27.28	27.38	0.5470
78	30	30	635666	3534.99	DFT-s-OFDM 16 QAM	1@1	26.22	26.32	0.4285
78	30	40	631334	3470.01	DFT-s-OFDM PI/2 BPSK	1@1	26.59	26.69	0.4667
78	30	40	631334	3470.01	DFT-s-OFDM QPSK	1@1	26.59	26.69	0.4667
78	30	40	631334	3470.01	DFT-s-OFDM 16 QAM	1@1	25.46	25.56	0.3597
78	30	40	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.85	26.95	0.4955
78	30	40	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.94	27.04	0.5058
78	30	40	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.79	25.89	0.3882
78	30	40	635332	3529.98	DFT-s-OFDM PI/2 BPSK	1@1	27.17	27.27	0.5333
78	30	40	635332	3529.98	DFT-s-OFDM QPSK	1@1	27.17	27.27	0.5333
78	30	40	635332	3529.98	DFT-s-OFDM 16 QAM	1@1	26.13	26.23	0.4198
78	30	50	631668	3475.02	DFT-s-OFDM PI/2 BPSK	1@1	26.31	26.41	0.4375
78	30	50	631668	3475.02	DFT-s-OFDM QPSK	1@1	26.31	26.41	0.4375
78	30	50	631668	3475.02	DFT-s-OFDM 16 QAM	1@1	25.22	25.32	0.3404
78	30	50	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.59	26.69	0.4667
78	30	50	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.61	26.71	0.4688
78	30	50	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.5	25.6	0.3631
78	30	50	635000	3525	DFT-s-OFDM PI/2 BPSK	1@1	26.74	26.84	0.4831
78	30	50	635000	3525	DFT-s-OFDM QPSK	1@1	26.78	26.88	0.4875
78	30	50	635000	3525	DFT-s-OFDM 16 QAM	1@1	25.71	25.81	0.3811
78	30	60	632000	3480	DFT-s-OFDM PI/2 BPSK	1@1	26.33	26.43	0.4395
78	30	60	632000	3480	DFT-s-OFDM QPSK	1@1	26.35	26.45	0.4416
78	30	60	632000	3480	DFT-s-OFDM 16 QAM	1@1	25.34	25.44	0.3499
78	30	60	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.59	26.69	0.4667
78	30	60	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.62	26.72	0.4699
78	30	60	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.64	25.74	0.3750
78	30	60	634666	3519.99	DFT-s-OFDM PI/2 BPSK	1@1	26.67	26.77	0.4753
78	30	60	634666	3519.99	DFT-s-OFDM QPSK	1@1	26.67	26.77	0.4753
78	30	60	634666	3519.99	DFT-s-OFDM 16 QAM	1@1	25.64	25.74	0.3750
78	30	70	632334	3485.01	DFT-s-OFDM PI/2 BPSK	1@1	26.49	26.59	0.4560
78	30	70	632334	3485.01	DFT-s-OFDM QPSK	1@1	26.51	26.61	0.4581
78	30	70	632334	3485.01	DFT-s-OFDM 16 QAM	1@1	25.24	25.34	0.3420
78	30	70	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.59	26.69	0.4667
78	30	70	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.68	26.78	0.4764
78	30	70	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.52	25.62	0.3648
78	30	70	634332	3514.98	DFT-s-OFDM PI/2 BPSK	1@1	26.64	26.74	0.4721
78	30	70	634332	3514.98	DFT-s-OFDM QPSK	1@1	26.65	26.75	0.4732
78	30	70	634332	3514.98	DFT-s-OFDM 16 QAM	1@1	25.5	25.6	0.3631
78	30	80	632668	3490.02	DFT-s-OFDM PI/2 BPSK	1@1	26.45	26.55	0.4519
78	30	80	632668	3490.02	DFT-s-OFDM QPSK	1@1	26.47	26.57	0.4539
78	30	80	632668	3490.02	DFT-s-OFDM 16 QAM	1@1	25.4	25.5	0.3548
78	30	80	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.51	26.61	0.4581
78	30	80	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.57	26.67	0.4645
78	30	80	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.47	25.57	0.3606
78	30	80	634000	3510	DFT-s-OFDM PI/2 BPSK	1@1	26.6	26.7	0.4677

78	30	80	634000	3510	DFT-s-OFDM QPSK	1@1	26.66	26.76	0.4742
78	30	80	634000	3510	DFT-s-OFDM 16 QAM	1@1	25.54	25.64	0.3664
78	30	90	633000	3495	DFT-s-OFDM PI/2 BPSK	1@1	26.34	26.44	0.4406
78	30	90	633000	3495	DFT-s-OFDM QPSK	1@1	26.3	26.4	0.4365
78	30	90	633000	3495	DFT-s-OFDM 16 QAM	1@1	25.23	25.33	0.3412
78	30	90	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	26.35	26.45	0.4416
78	30	90	633334	3500.01	DFT-s-OFDM QPSK	1@1	26.36	26.46	0.4426
78	30	90	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.42	25.52	0.3565
78	30	90	633666	3504.99	DFT-s-OFDM PI/2 BPSK	1@1	26.57	26.67	0.4645
78	30	90	633666	3504.99	DFT-s-OFDM QPSK	1@1	26.61	26.71	0.4688
78	30	90	633666	3504.99	DFT-s-OFDM 16 QAM	1@1	25.45	25.55	0.3589
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	135@67	27.21	27.31	0.5383
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@1	27.15	27.25	0.5309
78	30	100	633334	3500.01	DFT-s-OFDM PI/2 BPSK	1@271	27.41	27.51	0.5636
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	135@67	27.3	27.4	0.5495
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@1	27.33	27.43	0.5534
78	30	100	633334	3500.01	DFT-s-OFDM QPSK	1@271	27.48	27.58	0.5728
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	135@67	25.63	25.73	0.3741
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@1	25.23	25.33	0.3412
78	30	100	633334	3500.01	DFT-s-OFDM 16 QAM	1@271	25.86	25.96	0.3945
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	135@67	24.15	24.25	0.2661
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@1	23.63	23.73	0.2360
78	30	100	633334	3500.01	DFT-s-OFDM 64 QAM	1@271	24.2	24.3	0.2692
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	135@67	22.16	22.26	0.1683
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@1	21.75	21.85	0.1531
78	30	100	633334	3500.01	DFT-s-OFDM 256 QAM	1@271	22.27	22.37	0.1726
78	30	100	633334	3500.01	CP-OFDM QPSK	137@68	25.18	25.28	0.3373
78	30	100	633334	3500.01	CP-OFDM QPSK	1@1	24.88	24.98	0.3148
78	30	100	633334	3500.01	CP-OFDM QPSK	1@271	25.42	25.52	0.3565

Appendix B. Test Results of Radiated Test

Radiated Spurious Emission

Test Engineer :	Chris	Temperature :	23~25°C
		Relative Humidity :	41~42%

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)	S.G. Power (dBm)	TX Cable loss (dB)	TX Antenna Gain (dBi)	Polarization (H/V)
Middle	6900	-49.31	-13	-36.31	-59.52	3.03	13.24	H
	10356	-29.91	-13	-16.91	-39.36	3.56	13.01	H
	13824	-59.49	-13	-46.49	-69.01	3.92	13.44	H
	6900	-50.18	-13	-37.18	-60.39	3.03	13.24	V
	10356	-33.25	-13	-20.25	-42.70	3.56	13.01	V
	13824	-59.33	-13	-46.33	-68.85	3.92	13.44	V

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