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Appendix E: Maximum Power Spectral Density Level

Appendix E: Maximum			Power Spectra						
Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total PSD (dBm)	Limit (dBm)	EIRP PSD (dBm)	EIRP PSD Limit (dBm)	Verdict
а	5180	Ant1	2.35	1.62	3.97	≤11.00	6.54	≤10.00	Pass
а	5200	Ant1	2.77	1.62	4.36	≤11.00	6.93	≤10.00	Pass
а	5240	Ant1	2.65	1.62	4.24	≤11.00	6.81	≤10.00	Pass
а	5260	Ant1	2.11	1.62	3.70	≤11.00	6.27		Pass
а	5280	Ant1	2.68	1.62	4.27	≤11.00	6.84		Pass
а	5320	Ant1	2.42	1.62	4.02	≤11.00	6.59		Pass
а	5500	Ant1	1.92	1.62	3.51	≤11.00	6.08		Pass
а	5580	Ant1	2.18	1.62	3.77	≤11.00	6.34		Pass
а	5700	Ant1	2.12	1.62	3.73	≤11.00	6.30		Pass
а	5720	Ant1	-0.07	1.62	-0.07	≤11.00	2.50		Pass
а	5720 Low	Ant1	2.60	1.62	4.20	≤11.00	6.77		Pass
а	5720 High	Ant1	-1.68	1.62	-0.08	≤30.00	2.49		Pass
а	5745	Ant1	-1.46	1.62	0.14	≤30.00	2.71		Pass
а	5785	Ant1	-0.71	1.62	0.89	≤30.00	3.46		Pass
а	5825	Ant1	-1.00	1.62	0.60	≤30.00	3.17		Pass
а	5180	Ant2	2.76	1.62	4.35	≤11.00	6.92	≤10.00	Pass
а	5200	Ant2	2.63	1.62	4.22	≤11.00	6.79	≤10.00	Pass
а	5240	Ant2	2.12	1.62	3.71	≤11.00	6.28	≤10.00	Pass
а	5260	Ant2	2.05	1.62	3.64	≤11.00	6.21		Pass
а	5280	Ant2	2.33	1.62	3.92	≤11.00	6.49		Pass
а	5320	Ant2	1.73	1.62	3.32	≤11.00	5.89		Pass
а	5500	Ant2	2.56	1.62	4.15	≤11.00	6.72		Pass
а	5580	Ant2	2.32	1.62	3.91	≤11.00	6.48		Pass
а	5700	Ant2	2.13	1.62	3.73	≤11.00	6.30		Pass
а	5720 Low	Ant2	2.87	1.62	4.46	≤11.00	7.03		Pass
а	5720 High	Ant2	-0.98	1.62	0.61	≤30.00	3.18		Pass
а	5745	Ant2	-0.15	1.62	1.45	≤30.00	4.02		Pass
а	5785	Ant2	-0.33	1.62	1.27	≤30.00	3.84		Pass
а	5825	Ant2	-0.84	1.62	0.83	≤30.00	3.40		Pass
n20	5180	Ant1	-1.62	1.69	0.07	≤11.00	2.64	≤10.00	Pass
n20	5180	Ant2	-1.12	1.69	0.57	≤11.00	3.14	≤10.00	Pass
n20	5180	Sum	1.65	1.69	3.34	≤11.00	8.92	≤10.00	Pass
n20	5200	Ant1	-1.56	1.69	0.13	≤11.00	2.70	≤10.00	Pass
n20	5200	Ant2	-1.33	1.69	0.36	≤11.00	2.93	≤10.00	Pass
n20	5200	Sum	1.57	1.69	3.26	≤11.00	8.84	≤10.00	Pass
n20	5240	Ant1	-1.18	1.69	0.51	≤11.00	3.08	≤10.00	Pass
n20	5240	Ant2	-1.65	1.69	0.04	≤11.00	2.61	≤10.00	Pass
n20	5240	Sum	1.60	1.69	3.29	≤11.00	8.87	≤10.00	Pass
n20	5260	Ant1	2.04	1.69	3.73	≤11.00	6.30		Pass



n20 5260 Ant2 2.16 1.69 3.85 ≤11.00 6.42 **Pass** ≤11.00 12.38 n20 5260 Sum 5.11 1.69 6.80 **Pass** 5280 2.36 ≤11.00 n20 Ant1 1.69 4.05 6.62 **Pass** n20 5280 Ant2 2.53 1.69 4.22 ≤11.00 6.79 **Pass** n20 5280 Sum 5.46 1.69 7.15 ≤11.00 12.73 **Pass** n20 5320 Ant1 3.33 1.69 5.04 ≤11.00 7.61 **Pass** n20 5320 1.79 1.69 ≤11.00 Ant2 3.50 6.07 **Pass** n20 5320 Sum 5.64 1.69 7.35 ≤11.00 12.93 Pass n20 5500 1.69 1.25 ≤11.00 3.82 Ant1 -0.44 Pass n20 5500 Ant2 -0.351.69 1.34 ≤11.00 3.91 Pass n20 5500 Sum 2.62 1.69 4.31 ≤11.00 9.89 Pass n20 5580 Ant1 -0.321.69 1.36 ≤11.00 3.93 Pass ≤11.00 n20 5580 Ant2 0.77 1.69 2.45 5.02 Pass --n20 5580 Sum 3.27 1.69 4.95 ≤11.00 10.53 **Pass** 5700 -0.08 1.69 ≤11.00 4.18 n20 Ant1 1.61 Pass --n20 5700 Ant2 0.09 1.69 1.78 ≤11.00 4.35 **Pass** --n20 5700 Sum 3.02 1.69 4.71 ≤11.00 10.29 **Pass** n20 5720 Low Ant1 -0.471.69 1.22 ≤11.00 3.79 **Pass** --n20 5720 High Ant1 -5.45 1.69 -3.76≤30.00 -1.19**Pass** ---5720 Low Ant2 -0.07 1.69 1.62 ≤11.00 4.19 **Pass** n20 ---≤30.00 -0.82 Pass n20 5720 High Ant2 -5.08 1.69 -3.39---2.74 5720 Low Sum 1.69 4.43 ≤11.00 10.01 **Pass** n20 ----2.25 n20 5720 High Sum 1.69 -0.56≤30.00 5.02 **Pass** ----1.221.69 0.47 ≤30.00 3.04 **Pass** n20 5745 Ant1 ---5745 -0.28 1.41 ≤30.00 3.98 n20 Ant2 1.69 **Pass** ---2.29 5745 Sum 1.69 3.98 ≤30.00 9.56 **Pass** n20 n20 5785 Ant1 -0.741.69 0.95 ≤30.00 3.52 **Pass** --n20 5785 Ant2 -1.971.69 -0.28≤30.00 2.29 **Pass** n20 5785 Sum 1.70 1.69 3.39 ≤30.00 8.97 **Pass** n20 5825 Ant1 -1.12 1.69 0.57 ≤30.00 3.14 ___ **Pass** n20 5825 Ant2 -0.621.69 1.07 ≤30.00 3.64 **Pass** ≤30.00 5825 3.84 9.42 n20 Sum 2.15 1.69 **Pass** n40 5190 Ant1 -2.402.91 0.47 ≤11.00 3.04 ≤10.00 **Pass** 2.91 3.33 ≤10.00 n40 5190 Ant2 -2.110.76 ≤11.00 **Pass** n40 5190 Sum 0.76 2.91 3.63 ≤11.00 6.20 ≤10.00 **Pass** 5230 -2.57 2.91 2.89 ≤10.00 n40 Ant1 0.32 ≤11.00 **Pass** 0.44 n40 5230 Ant2 -2.45 2.91 ≤11.00 3.01 ≤10.00 **Pass** n40 5230 Sum 0.50 2.91 3.39 ≤11.00 5.96 ≤10.00 **Pass** n40 5270 Ant1 -0.412.91 1.86 ≤11.00 4.43 **Pass** n40 5270 2.91 2.33 ≤11.00 4.90 Ant2 0.06 **Pass** 5270 2.84 2.91 n40 Sum 5.11 ≤11.00 10.69 Pass 2.91 1.12 ≤11.00 3.69 n40 5310 Ant1 -1.15 Pass -0.90 n40 5310 Ant2 2.91 1.37 ≤11.00 3.94 Pass



n40 5310 Sum 1.99 2.91 4.26 ≤11.00 9.84 **Pass** ≤11.00 5510 Ant1 -3.302.91 -1.01 1.56 **Pass** n40 -2.49-0.202.37 n40 5510 Ant2 2.91 ≤11.00 **Pass** 5510 0.13 2.91 2.42 ≤11.00 8.00 n40 Sum **Pass** n40 5550 Ant1 -2.912.91 -0.64≤11.00 1.93 **Pass** n40 5550 Ant2 -2.192.91 0.08 ≤11.00 2.65 **Pass** n40 2.91 ≤11.00 5550 Sum 0.48 2.75 8.33 **Pass** n40 5670 Ant1 -2.252.91 0.02 ≤11.00 2.59 Pass 5670 2.91 ≤11.00 2.75 n40 Ant2 -2.090.18Pass n40 5670 Sum 0.84 2.91 3.11 ≤11.00 8.69 Pass -1.31 5710 Low -4.222.91 ≤11.00 1.26 n40 Ant1 Pass n40 5710 High Ant1 -10.362.91 -7.45 ≤30.00 -4.88Pass -1.02n40 5710 Low Ant2 -3.93 2.91 ≤11.00 1.55 Pass ---5710 High Ant2 -10.962.91 -8.05 ≤30.00 -5.48 **Pass** n40 2.91 1.85 ≤11.00 7.43 n40 5710 Low Sum -1.06 **Pass** --n40 5710 High Sum -7.64 2.91 -4.73 ≤30.00 0.85 **Pass** --n40 5755 Ant1 -3.20 2.91 -0.92≤30.00 1.65 **Pass** n40 5755 Ant2 -2.38 2.91 -0.10≤30.00 2.47 **Pass** --n40 5755 Sum 0.24 2.91 2.52 ≤30.00 5.09 **Pass** --n40 5795 -3.23 2.91 -0.941.63 **Pass** Ant1 ≤30.00 ---5795 2.20 n40 Ant2 -2.66 2.91 -0.37≤30.00 Pass ---2.91 4.93 n40 5795 0.07 2.36 ≤30.00 **Pass** Sum ac80 5210 Ant1 -6.83 5.30 -2.19≤11.00 0.38 ≤10.00 **Pass** 5210 -7.69 5.30 -3.05≤11.00 -0.48≤10.00 **Pass** ac80 Ant2 5210 -4.23 5.30 ≤11.00 2.98 ac80 Sum 0.41 ≤10.00 **Pass** 5290 -6.79 5.30 -2.15≤11.00 **Pass** ac80 Ant1 0.42 ac80 5290 Ant2 -7.92 5.30 -3.28≤11.00 -0.71 **Pass** --ac80 5290 Sum -4.315.30 0.33 ≤11.00 5.91 **Pass** ac80 5530 Ant1 -7.965.30 -3.27≤11.00 -0.70**Pass** ac80 5530 Ant2 -7.25 5.30 -2.56≤11.00 0.01 ___ **Pass** 5530 Sum -4.585.30 0.11 ≤11.00 5.69 **Pass** ac80 5610 5.30 -3.45≤11.00 ac80 Ant1 -8.09 -0.88**Pass** --ac80 5610 Ant2 -7.185.30 -2.54≤11.00 0.03 **Pass** ac80 5610 Sum -4.605.30 0.04 ≤11.00 5.62 **Pass** --ac80 5690 Low Ant1 -9.98 5.30 -5.30≤11.00 -2.73**Pass** -10.88 ac80 5690 High Ant1 -15.565.30 ≤30.00 -8.31 **Pass** Ant2 -8.96 5.30 -4.28 -1.71 ac80 5690 Low ≤11.00 **Pass** ac80 5690 High Ant2 -15.65 5.30 -10.97≤30.00 -8.40 **Pass** 5690 Low Sum -6.435.30 -1.75≤11.00 3.83 **Pass** ac80 5.30 -7.91 ≤30.00 -2.33**Pass** ac80 5690 High Sum -12.59-2.84ac80 5775 Ant1 -10.055.30 -5.41 ≤30.00 Pass 5.30 ≤30.00 -2.53ac80 5775 Ant2 -9.74 -5.10Pass -2.24 5775 Sum -6.88 5.30 ≤30.00 0.33 ac80 Pass



ax20 5180 Ant1 -0.490.75 0.26 ≤11.00 2.83 ≤10.00 **Pass** ≤11.00 2.46 ≤10.00 5180 Ant2 -0.860.75 -0.11 **Pass** ax20 5180 2.34 0.75 ≤11.00 5.66 ≤10.00 ax20 Sum 3.09 **Pass** 5200 Ant1 -0.370.75 0.38 ≤11.00 2.95 ≤10.00 ax20 **Pass** ax20 5200 Ant2 -0.480.75 0.27 ≤11.00 2.84 ≤10.00 **Pass** ax20 5200 Sum 2.59 0.75 3.34 ≤11.00 5.91 ≤10.00 **Pass** 0.75 ≤11.00 2.66 ≤10.00 ax20 5240 Ant1 -0.650.09 **Pass** ax20 5240 Ant2 -0.260.75 0.48 ≤11.00 3.05 ≤10.00 Pass 0.75 ≤11.00 5.87 ≤10.00 ax20 5240 Sum 2.56 3.30 Pass ax20 5260 Ant1 0.07 0.75 0.81 ≤11.00 3.38 **Pass** 5260 Ant2 0.10 0.75 ≤11.00 3.41 Pass ax20 0.84 ax20 5260 Sum 3.10 0.75 3.84 ≤11.00 9.42 Pass ax20 5280 Ant1 0.02 0.75 0.76 ≤11.00 3.33 Pass ---3.12 ax20 5280 Ant2 -0.190.75 0.55 ≤11.00 **Pass** 5280 2.93 0.75 ≤11.00 9.25 ax20 Sum 3.67 **Pass** ---≤11.00 ax20 5320 Ant1 -0.04 0.75 0.69 3.26 **Pass** --ax20 5320 Ant2 -0.51 0.75 0.22 ≤11.00 2.79 **Pass** ax20 5320 Sum 2.74 0.75 3.47 ≤11.00 9.05 **Pass** --ax20 5500 Ant1 -0.220.75 0.52 ≤11.00 3.09 **Pass** ---5500 Ant2 0.12 0.75 ≤11.00 3.43 **Pass** ax20 0.86 ---5500 2.96 9.28 ax20 0.75 3.70 ≤11.00 Sum Pass ----0.295580 0.75 0.45 ≤11.00 3.02 **Pass** ax20 Ant1 --ax20 5580 Ant2 -0.040.75 0.70 ≤11.00 3.27 **Pass** ---5580 2.85 0.75 3.59 ≤11.00 9.17 **Pass** ax20 Sum ---5700 0.28 0.75 ≤11.00 2.85 ax20 Ant1 0.28 **Pass** ---5700 Ant2 0.49 0.75 ≤11.00 3.06 **Pass** ax20 0.49 ax20 5700 Sum 3.40 0.75 3.40 ≤11.00 8.98 **Pass** --ax20 5720 Low Ant1 -0.150.75 0.59 ≤11.00 3.16 **Pass** ax20 5720 High Ant1 -4.370.75 -3.63≤30.00 -1.06**Pass** ax20 5720 Low Ant2 0.20 0.75 0.94 ≤11.00 3.51 ___ **Pass** 5720 High Ant2 -4.370.75 -3.63≤30.00 -1.06**Pass** ax20 0.75 ≤11.00 9.36 ax20 5720 Low Sum 3.04 3.78 **Pass** ---5720 High -1.360.75 -0.62≤30.00 4.96 **Pass** ax20 Sum ---0.75 -2.45 ax20 5745 Ant1 -3.19≤30.00 0.12 **Pass** --ax20 5745 Ant2 -3.070.75 -2.33≤30.00 0.24 **Pass** 5745 0.75 6.20 ax20 Sum -0.12 0.62 ≤30.00 **Pass** 5785 -2.86 0.75 -2.86 ≤30.00 -0.29ax20 Ant1 **Pass** ax20 5785 Ant2 -2.900.75 -2.90 ≤30.00 -0.33**Pass** ax20 5785 Sum 0.13 0.75 0.13 ≤30.00 5.71 **Pass** -2.36**Pass** ax20 5825 Ant1 -3.10 0.75 ≤30.00 0.21 5825 -2.38ax20 Ant2 0.75 -1.64≤30.00 0.93 Pass 5825 0.29 0.75 1.03 ≤30.00 ax20 Sum 6.61 Pass 5190 Ant1 -1.941.34 -0.60≤11.00 1.97 ≤10.00 ax40 Pass



ax40 5190 Ant2 -1.741.34 -0.40 ≤11.00 2.17 ≤10.00 **Pass** ≤11.00 5.08 ≤10.00 5190 Sum 1.17 1.34 2.51 **Pass** ax40 5230 1.99 ≤10.00 ax40 Ant1 -1.931.34 -0.58≤11.00 **Pass** 5230 Ant2 -1.70 1.34 ≤11.00 2.22 ≤10.00 ax40 -0.35**Pass** ax40 5230 1.20 1.34 2.55 ≤11.00 5.12 ≤10.00 **Pass** Sum ax40 5270 Ant1 -2.711.34 -1.36≤11.00 1.21 **Pass** 1.19 5270 -2.731.34 -1.38≤11.00 ax40 Ant2 **Pass** 5270 Sum 0.29 1.34 1.64 ≤11.00 7.22 Pass ax40 -3.201.34 -1.87≤11.00 0.70 ax40 5310 Ant1 Pass 5310 Ant2 -3.491.34 -2.16≤11.00 0.41 Pass ax40 Sum -0.33 1.34 1.00 ≤11.00 6.58 ax40 5310 Pass ax40 5510 Ant1 -3.40 1.34 -2.07 ≤11.00 0.50 Pass ≤11.00 ax40 5510 Ant2 -3.02 1.34 -1.690.88 Pass ---6.71 ax40 5510 Sum -0.201.34 1.13 ≤11.00 **Pass** 5550 -3.55 1.34 -2.20 ≤11.00 0.37 ax40 Ant1 **Pass** ---≤11.00 ax40 5550 Ant2 -2.68 1.34 -1.331.24 **Pass** --ax40 5550 Sum -0.08 1.34 1.27 ≤11.00 6.85 **Pass** ax40 5670 Ant1 -3.341.34 -1.96≤11.00 0.61 **Pass** --ax40 5670 Ant2 -2.331.34 -0.95≤11.00 1.62 **Pass** ---5670 0.20 1.34 1.58 ≤11.00 7.16 **Pass** ax40 Sum ---≤11.00 ax40 5710 Low Ant1 -3.871.34 -2.480.09 Pass ----8.57 1.34 -7.18≤30.00 -4.61**Pass** ax40 5710 High Ant1 --ax40 5710 Low Ant2 -3.58 1.34 -2.19≤11.00 0.38 **Pass** ---Ant2 -9.30 1.34 -7.91 ≤30.00 -5.34**Pass** ax40 5710 High ----0.71 1.34 ≤11.00 6.26 ax40 5710 Low Sum 0.68 **Pass** ----5.91 1.34 -4.52≤30.00 1.06 **Pass** ax40 5710 High Sum ax40 5755 Ant1 -5.37 1.34 -5.37≤30.00 -2.80 **Pass** --ax40 5755 Ant2 -5.031.34 -5.03≤30.00 -2.46**Pass** ax40 5755 Sum -2.191.34 -2.19≤30.00 3.39 **Pass** ax40 5795 Ant1 -5.41 1.34 -4.08≤30.00 -1.51 ___ **Pass** 5795 Ant2 -4.621.34 -3.29≤30.00 -0.72**Pass** ax40 5795 ≤30.00 4.92 ax40 Sum -1.991.34 -0.66**Pass** 5210 Ant1 -7.092.37 -4.72≤11.00 -2.15≤10.00 **Pass** ax80 -2.12 ax80 5210 Ant2 -7.062.37 -4.69≤11.00 ≤10.00 **Pass** ax80 5210 Sum -4.062.37 -1.69≤11.00 0.88 ≤10.00 **Pass** 5290 -2.45 ax80 Ant1 -7.392.37 -5.02≤11.00 **Pass** 5290 Ant2 -7.84 2.37 ≤11.00 -2.90 ax80 -5.47 **Pass** ax80 5290 Sum -4.602.37 -2.23≤11.00 3.35 **Pass** ax80 5530 Ant1 -7.332.37 -4.91 ≤11.00 -2.34**Pass** -2.05**Pass** ax80 5530 Ant2 -7.04 2.37 -4.62≤11.00 ax80 2.37 5530 Sum -4.17 -1.75≤11.00 3.83 Pass -7.822.37 -5.40≤11.00 -2.83ax80 5610 Ant1 Pass -6.24 -1.255610 Ant2 2.37 -3.82≤11.00 ax80 Pass



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ax80	5610	Sum	-3.95	2.37	-1.53	≤11.00	4.05	 Pass
ax80	5690 Low	Ant1	-8.64	2.37	-6.30	≤11.00	-3.73	 Pass
ax80	5690 High	Ant1	-14.08	2.37	-11.74	≤30.00	-9.17	 Pass
ax80	5690 Low	Ant2	-7.87	2.37	-5.53	≤11.00	-2.96	 Pass
ax80	5690 High	Ant2	-14.57	2.37	-12.23	≤30.00	-9.66	 Pass
ax80	5690 Low	Sum	-5.23	2.37	-2.89	≤11.00	2.69	 Pass
ax80	5690 High	Sum	-11.31	2.37	-8.97	≤30.00	-3.39	 Pass
ax80	5775	Ant1	-9.88	2.37	-7.46	≤30.00	-4.89	 Pass
ax80	5775	Ant2	-9.02	2.37	-6.60	≤30.00	-4.03	 Pass
ax80	5775	Sum	-6.42	2.37	-4.00	≤30.00	1.58	 Pass















































































































