



FCC Test Report of E368
FCC ID: QISE368
IC ID: 6369A-E368



Appendix A

Transmitter Output Power According to FCC Part 2.1046 & Part24.232



Conducted Power of Transmitter

Table 1 Measurement Results

		RF Output Power (Conducted)					
TEST CONDITIONS		Channel512(B)		Channel661(M)		Channel810(T)	
		1850.2MHz		1880.0MHz		1909.8MHz	
		dBm		dBm		dBm	
T_{nom} / V_{nom}		Measure d	Limit	Measure d	Limit	Measure d	Limit
TM1		28.99	33	28.88	33	28.67	33
TM2		25.08	33	25.01	33	24.89	33
TEST CONDITIONS		Channel9262(B)		Channel9400(M)		Channel9538(T)	
		1852.4MHz		1880.0MHz		1907.6MHz	
		dBm		dBm		dBm	
T_{nom} / V_{nom}		Measure d	Limit	Measure d	Limit	Measure d	Limit
TM3		21.79	33	21.85	33	21.80	33
TM4	Case1	21.42	33	21.53	33	21.65	33
	Case2	21.55	33	21.46	33	21.46	33
	Case3	21.02	33	21.03	33	21.07	33
	Case4	21.01	33	21.03	33	21.06	33
TM5	Case1	21.43	33	21.42	33	21.43	33
	Case2	19.88	33	19.92	33	19.95	33
	Case3	20.32	33	20.29	33	20.37	33
	Case4	20.61	33	20.58	33	20.46	33
	Case5	21.24	33	21.29	33	21.19	33



Effective Isotropic Radiated Power of Transmitter (EIRP)

Table 2 Substitution Results

Test Mode	Freq. [MHz]	Meas. Level [dBm]	Substitution Antenna Type	SGP [dBm]	Substitution Gain [dBi]	Cable Loss [dB]	Substitution Level (EIRP) [dBm]	FCC limit [dBm]	Result
TM1	1850.2	29.25	Horn Ant.	26.56	4.5	1	30.06	33	Pass
TM1	1880.0	29.11	Horn Ant.	25.58	4.5	1	29.08	33	Pass
TM1	1909.8	29.10	Horn Ant.	25.94	4.8	1	29.74	33	Pass
TM2	1850.2	25.49	Horn Ant.	23.76	4.5	1	27.26	33	Pass
TM2	1880.0	25.41	Horn Ant.	24.36	4.5	1	27.86	33	Pass
TM2	1909.8	25.39	Horn Ant.	23.76	4.8	1	27.56	33	Pass
TM3	1852.4	22.17	Horn Ant.	20.41	4.5	1	23.91	33	Pass
TM3	1880.0	22.36	Horn Ant.	19.56	4.5	1	23.06	33	Pass
TM3	1907.6	22.28	Horn Ant.	20.12	4.8	1	23.92	33	Pass

Note: a, For getting the EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should take to calculate it,

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

The END