

2. TEST RESULTS DATA FOR JAPANESE CERTIFICATION SRD

Peak Antenna Gain	1.520	dBi
Declaration Output Power	2.958	mW
Declaration Output Power	4.710	dBm
EIRP	6.230	dBm
Input Power Voltage	5	Vdc

Tested Circuit Insertion Loss		0.8	dB
Burst	ON TIME	-Not applicable-	sec
	OFF TIME	-Not applicable-	sec
	Ratio	-Not applicable-	%
Packet Type (Mode)		-Not applicable-	mode

Test Category ; 2.4GHz Band Wideband Low-Power Data Communication System

2.1 TEST Results (Normal Voltage)

Measurement Frequency		MHz	2403	2441	2477	Result	Limit			
Channel Number		Ch.	0	19	39	----				
Reading Frequency		MHz	2403.0069	2441.0069	2477.0069	----				
Frequency Tolerance		ppm	2.87	2.83	2.79	PASS	-50 ≤ x ≤ +50			
Occupied Bandwidth		MHz	2.1844	2.1937	2.1867	PASS	≤ 26 MHz			
RF Output Power		mW	2.070	2.158	2.193	PASS	≤ 10 mW			
RF Output Power Tolerance		%	-30.020	-27.045	-25.862	PASS	≤ +20			
EIRP		dBm	4.680	4.860	4.930					
Unwanted Emission Strength (TX1)	Under 2387MHz	μW/MHz	0.005	0.002	0.003	PASS	≤ 2.5uW/MHz			
		MHz	1943.900	2137.200	2372.900	----				
	2387-2400MHz	μW/MHz	0.172	0.002	0.002	PASS	≤ 25uW/MHz			
		MHz	2399.987	2399.870	2397.309	----				
	2483.5-2496.5MHz	μW/MHz	0.002	0.002	0.011	PASS	≤ 25uW/MHz			
		MHz	2483.760	2485.151	2484.722	----				
	2496.5 - 12.5GHz	μW/MHz	0.002	0.002	0.003	PASS	≤ 2.5uW/MHz			
		MHz	12260.000	11960.000	2496.500	----				
Secondarily Emitted Radio Wave Strength (RX Spurious) (RX1)	Under 1GHz	nW	0.017	0.020	0.025	PASS	≤ 4 nW			
		MHz	783.690	776.900	776.900	----				
	1 - 12.5GHz	nW	0.575	0.869	1.073	PASS	≤ 20 nW			
		MHz	5543.000	5543.000	5543.000	----				
Interference Prevention Function		----	good			PASS				

2.2 TEST Results (High Voltage)

Measurement Frequency		MHz	2403	2441	2477	Result	NOTES
Channel Number		Ch.	0	19	39	-----	
Reading Frequency		MHz	2403.0069	2441.0069	2477.0069	-----	
Frequency Tolerance		ppm	2.87	2.83	2.79	PASS	-50 ≤ x ≤ +50
Occupied Bandwidth		MHz	2.1851	2.1919	2.1870	PASS	≤ 26 MHz
RF Output Power		mW	2.070	2.158	2.188	PASS	≤ 10 mW
RF Output Power Tolerance		%	-30.016	-27.054	-26.039	PASS	≤ +20
EIRP		dBm	4.680	4.860	4.920		
Unwanted Emission Strength (TX1)	Under 2387MHz	μW/MHz	0.004	0.002	0.004	PASS	≤ 2.5μW/MHz
		MHz	1946.200	2219.700	899.700	-----	
	2387-2400MHz	μW/MHz	0.163	0.002	0.002	PASS	≤ 25μW/MHz
		MHz	2400.000	2399.987	2397.595	-----	
	2483.5-2496.5MHz	μW/MHz	0.002	0.002	0.011	PASS	≤ 25μW/MHz
		MHz	2492.522	2496.175	2483.877	-----	
	2496.5 - 12.5GHz	μW/MHz	0.002	0.002	0.003	PASS	≤ 2.5μW/MHz
		MHz	2547.000	12200.000	2496.500	-----	
Secondarily Emitted Radio Wave Strength (RX Spurious) (RX1)	Under 1GHz	nW	0.019	0.032	0.022	PASS	≤ 4 nW
		MHz	783.690	514.030	776.900	-----	
	1 - 12.5GHz	nW	0.667	0.910	0.783	PASS	≤ 20 nW
		MHz	5543.000	1943.000	2461.000	-----	
Interference Prevention Function		-----	good			PASS	

2.3 TEST Results (Low Voltage)

Measurement Frequency		MHz	2403	2441	2477	Result	NOTES
Channel Number		Ch.	0	19	39	----	
Reading Frequency		MHz	2403.0069	2441.0069	2477.0069	----	
Frequency Tolerance		ppm	2.87	2.83	2.79	PASS	-50≤x≤+50
Occupied Bandwidth		MHz	2.1854	2.1921	2.1862	PASS	≤26 MHz
RF Output Power		mW	2.070	2.153	2.188	PASS	≤10 mW
RF Output Power Tolerance		%	-30.016	-27.222	-26.039	PASS	≤+20
EIRP		dBm	4.680	4.850	4.920		
Unwanted Emission Strength (TX1)	Under 2387MHz	μW/MHz	0.003	0.002	0.002	PASS	≤2.5uW/MHz
		MHz	2387.000	2311.600	2337.500	----	
	2387-2400MHz	μW/MHz	0.174	0.002	0.002	PASS	≤25uW/MHz
		MHz	2400.000	2399.909	2397.218	----	
	2483.5-2496.5MHz	μW/MHz	0.002	0.002	0.010	PASS	≤25uW/MHz
		MHz	2483.656	2493.341	2484.956	----	
	2496.5 - 12.5GHz	μW/MHz	0.003	0.002	0.003	PASS	≤2.5uW/MHz
		MHz	12420.000	5778.000	2517.000	----	
Secondarily Emitted Radio Wave Strength (RX Spurious) (RX1)	Under 1GHz	nW	0.019	0.019	0.020	PASS	≤4 nW
		MHz	776.900	776.900	776.900	----	
	1 - 12.5GHz	nW	0.832	1.484	0.899	PASS	≤20 nW
		MHz	1955.000	1932.000	2461.000	----	
Interference Prevention Function		----	good			PASS	