FCC ID:2AOKB-D2421

Original item(Model:D2241) and new item(Model:DM8060) power as follows：

SZ18110335W01 BLE:

BLE	Channel	Frequency (MHz)	Measured Output Peak Power			
			Reference test data		Spot-check test data	
			dBm	W	dBm	W
	0	2402	6.26	0.004	3.90	0.0039
	19	2440	6.98	0.005	4.55	0.0045
	39	2480	6.55	0.005	4.37	0.0044

SZ18110335W02 BT classic:

GFSK Mode	Channel	Frequency (MHz)	Measured Output Peak Power				Verdict
			Reference test data		Spot-check test data		
			dBm	W	dBm	W	
	0	2402	6.43	0.004	4.11	0.00411	PASS
	39	2441	6.35	0.004	4.22	0.00422	PASS
	78	2480	5.75	0.004	4.25	0.00425	PASS

π/4-DQPSK Mode	Channel	Frequency (MHz)	Measured Output Peak Power				Verdict
			Reference test data		Spot-check test data		
			dBm	W	dBm	W	
	0	2402	7.65	0.006	1.89	0.00189	PASS
	39	2441	7.36	0.005	2.01	0.00201	PASS
	78	2480	7.02	0.005	1.78	0.00178	PASS

8-DPSK Mode	Channel	Frequency (MHz)	Measured Output Peak Power				Verdict
			Reference test data		Spot-check test data		
			dBm	W	dBm	W	
	0	2402	6.41	0.004	2.04	0.00204	PASS
	39	2441	6.29	0.004	2.12	0.00212	PASS
	78	2480	5.74	0.004	1.94	0.00194	PASS

SZ18110335W03 wifi-2.4G

	Channel	Frequency (MHz)	Measured Output Peak Power			
			Reference test data		Spot-check test data	
			dBm	W	dBm	W
802.11b	1	2412	16.4	0.044	16.13	0.041
	6	2437	16.45	0.044	16.47	0.044
	11	2462	16.63	0.046	16.57	0.045
	Channel	Frequency (MHz)	Measured Output Average Power			
			Reference test data		Spot-check test data	
			dBm	W	dBm	W
	1	2412	13.32	0.021	13.38	0.022
	6	2437	13.4	0.022	13.28	0.021
	11	2462	13.62	0.023	13.5	0.022

	Channel	Frequency (MHz)	Measured Output Peak Power			
			Reference test data		Spot-check test data	
			dBm	W	dBm	W
802.11g	1	2412	22.81	0.191	21.28	0.13
	6	2437	22.95	0.197	21.52	0.14
	11	2462	23.11	0.205	21.64	0.15
	Channel	Frequency (MHz)	Measured Output Average Power			
			Reference test data		Spot-check test data	
			dBm	W	dBm	W
	1	2412	12.54	0.018	11.91	0.016
	6	2437	12.6	0.018	12.35	0.017
	11	2462	12.88	0.019	12.52	0.018

802.11n20	Channel	Frequency (MHz)	Measured Output Peak Power			
			Reference test data		Spot-check test data	
			dBm	W	dBm	W
	1	2412	22.64	0.184	20.98	0.125
	6	2437	22.88	0.194	21.11	0.129
	11	2462	23.57	0.228	21.94	0.156
	Channel	Frequency (MHz)	Measured Output Average Power			
			Reference test data		Spot-check test data	
			dBm	W	dBm	W
	1	2412	12.2	0.017	11.52	0.014
	6	2437	12.3	0.017	11.67	0.015
	11	2462	12.37	0.017	12.07	0.016

SZ18110335W04~05 wifi-5G:

a	Channel	Frequency (MHz)	Measured Peak Power (dBm)	
			Reference test data	Spot-check test data
	36	5180	17.84	17.65
	44	5220	18.02	17.71
	48	5240	18.2	17.92
	149	5745	18.92	19.02
	157	5785	19.14	19.11
	165	5825	19.72	19.45
	Channel	Frequency (MHz)	Measured Average Power (dBm)	
			Reference test data	Spot-check test data
	36	5180	12.07	11.93
	44	5220	12.16	12.05
	48	5240	12.37	12.2
	149	5745	12.83	12.85
	157	5785	12.95	12.88
	165	5825	13.49	13.16

	Channel	Frequency (MHz)	Measured Peak Power (dBm)	
			Reference test data	Spot-check test data
n20	36	5180	17.92	18.02
	44	5220	18.23	18.1
	48	5240	18.3	18.24
	149	5745	19.05	19.13
	157	5785	19.28	19.19
	165	5825	19.82	19.66
	Channel	Frequency (MHz)	Measured Average Power (dBm)	
			Reference test data	Spot-check test data
	36	5180	11.82	11.46
	44	5220	12.08	11.7
	48	5240	12.15	11.89
	52	5260	12.45	12.11
	149	5745	12.66	12.4
	157	5785	13.18	12.76
	165	5825	11.82	12.23

	Channel	Frequency (MHz)	Measured Peak Power (dBm)	
			Reference test data	Spot-check test data
n40	38	5190	18.17	17.3
	46	5230	18.32	17.41
	151	5755	19.23	18.14
	159	5795	19.63	18.35
	Channel	Frequency (MHz)	Measured Average Power (dBm)	
			Reference test data	Spot-check test data
	38	5190	11.95	11.23
	46	5230	11.89	11.05
	151	5755	12.58	11.76
	159	5795	12.9	12.08

	Channel	Frequency (MHz)	Measured Peak Power (dBm)	
			Reference test data	Spot-check test data
ac20	36	5180	18.02	17.26
	44	5220	18.24	17.4
	48	5240	18.42	17.56
	149	5745	19.03	17.9
	157	5785	19.29	18.06
	165	5825	19.81	18.67
	Channel	Frequency (MHz)	Measured Average Power (dBm)	
			Reference test data	Spot-check test data
	36	5180	11.92	10.48
	44	5220	12.08	10.51
	48	5240	12.16	10.57
	149	5745	12.48	10.79
	157	5785	12.78	10.9
	165	5825	13.14	11.13

	Channel	Frequency (MHz)	Measured Peak Power (dBm)	
			Reference test data	Spot-check test data
ac40	38	5190	18.45	17.26
	46	5230	18.11	17.06
	151	5755	19.29	18.15
	159	5795	19.54	18.55
	Channel	Frequency (MHz)	Measured Average Power (dBm)	
			Reference test data	Spot-check test data
	38	5190	11.96	10.41
	46	5230	11.85	10.3
	151	5755	12.5	10.72
	159	5795	12.8	10.88

ac80	Channel	Frequency (MHz)	Measured Peak Power (dBm)	
			Reference test data	Spot-check test data
	42	5210	18.1	16.92
	155	5775	19.15	17.57
	Channel	Frequency (MHz)	Measured Average Power (dBm)	
			Reference test data	Spot-check test data
	42	5210	11.53	9.21
	155	5775	12.11	9.8

Note : original report SZ18110110(Model: D2241, FCC ID: 2AOKB-D2241). we declared that the model D2421 contains two main modules, module(DM8060) and module(T835). One of the module(DM8060) used in model D2421 is the same module used in model D2241.

“Reference test data”is original item(Model:D2241)power, “Spot-check test data”is new item(Model:DM8060) power.Because the new project module is less powerful than before, the following data is referenced:

SZ18110335W01:Peak Output Power,Bandwidth,Conducted Spurious Emission and Band Edge,Power spectral density (PSD);

SZ18110335W02:Number of Hopping Frequency,Peak Output Power,20dB Bandwidth,Carrier Frequency Separation,Time of Occupancy (Dwell time),Conducted Spurious Emission;

SZ18110335W03:Duty Cycle Of Test Signal, Peak Output Power, Bandwidth, Conducted Spurious Emission and Band Edge,Power spectral density (PSD);

SZ18110335W04:Duty Cycle of the test signal,Emission Bandwidth,Maximum conducted output Power,Peak Power spectral density,Frequency Stability;

SZ18110335W05:TPC and DFS;

Other data has been re-tested;

Declaration：Anker Innovations Limited

Name: **louis Qi**

Date: 2019-3-11

Signature：