



Report No.: FCS202401080W04

FCC RF Exposure

EUT Description:Bluetooth Makeup Mirror

ModelNo.:M1517 (MI04A), S806(MI07A), S850, S639, D8501M, S860, S870, S760, D838, D750, D860,

M3082, M3085, M4010, M3060 FCC ID: 2AEOP-M1517MI04A Equipment type: mobile use

1. Limits

The criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation as specified in 1.1307(b)

Limits for Maximum Permissible Exposure (MPE)

Frequency range (MHz)	Electric field strength (V/m)	Magnetic field strength (A/m)	Power density (mW/cm²)	Averaging time (minutes)	
	(A) Limi	its for Occupational/Controlled E	xposures		
0.3-3.0	614	1.63	*(100)	*(100) 6	
3.0–30	1842/f	4.89/f	*(900/f ²)	6	
30–300	61.4	0.163	1.0	6	
300–1500			f/300	6	
1500-100,000			5	6	
	(B) Limits fo	or General Population/Uncontrol	led Exposure	1	
0.3-1.34	614	1.63	*(100)	30	
1.34-30	824/f	2.19/f	*(180/f ²)	30	
30–300	27.5	0.073	0.2	30	
300–1500			f/1500	30	
1500-100,000			1.0	30	

F = frequency in MHz

Formula: Pd = (Pout*G)/(4* π *r²)

Where:

 $Pd = power density in mW/cm^2$,

Pout = output power to antenna in mW;

G = gain of antenna in linear scale,

 $\pi = 3.14$;

R = distance between observation point and center of the radiator in cm

Pd id the limit of MPE, 1 mW/cm2. If we know the maximum gain of the antenna and the total power input to the antenna, through the calculation, we will know the distance r where the MPE limit is reached.

2. Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.



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3. Test Result of RF Exposure Evaluation

EIRP=EMeas+20log(dmeas)-104.7

EIRP is the equivalent isotropically radiated power,

EMeas in dBmis the field strength of the emission at the measurement distance, in dB u V/m

dмeas is the measurement distance, in m

ВТ

	Field strength	EIRP	Max	Antenna	Power	Limit	Result
	(dBuV/m)	(dBm)	tune-up	Gain(dBi)	Density	(mW/cm ²)	
			(mW)		at R=20cm		
					(mW/cm ²)		
2402	93.61	-1.5476	0.7002	1.77	0.00021	1.0	Pass
2440	93.52	-1.6376	0.6859	1.77	0.00021	1.0	Pass
2480	91.82	-3.3376	0.4637	1.77	0.00014	1.0	Pass

Bluetooth + wireless charging synchronous transmission: (0.00021/1)+(0.71/0.815)=0.871

Power Density=0.871<1.0

Conclusion: No SAR is required