



RF EXPOSURE EVALUATION

EUT Specification

EUT	Selfie Monitor Screen
Model Number	TLA
Series Model	TLAW0-149, TLAW0-149-CN, TLAW0-44
Model Difference	All models are the same except for the model names.
FCC ID	2A7Z4-TLA
Antenna gain (Max)	BR+EDR: 1.95 dBi 5G WIFI: 3.74 dBi
Operation Frequency	☒ BT: 2.402GHz ~ 2.480GHz ☒ WIFI: 5.180GHz ~ 5.240GHz ☒ WIFI: 5.745GHz ~ 5.825GHz
Power Supply	DC 5V Battery 3.7V
Classification Per Stipulated Test Standard	§15.247(i), §2.1093
Max. output power	BR+EDR BR+EDR: 1.76 dBm 5G WIFI U-NII-1 IEEE 802.11a: 8.29 dBm IEEE 802.11n HT20: 7.31 dBm IEEE 802.11n HT40: 7.14 dBm U-NII-3 IEEE 802.11a: 8.64 dBm IEEE 802.11n HT20: 8.36 dBm IEEE 802.11n HT40: 8.13 dBm

Test Requirement:

According to §15.247(i) and §1.1307(b)(1), systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio

frequency energy level in excess of the Commission's guidelines.

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 50 mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min. test separation distance, mm})] \cdot [\sqrt{f_{(\text{GHz})}}] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR,²⁴ where

- $f_{(\text{GHz})}$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation²⁵
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is ≤ 50 mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is < 5 mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Routine SAR evaluation refers to that specifically required by §2.1093, using measurements or computer simulation. When routine SAR evaluation is not required, portable transmitters with output power greater than the applicable low threshold require SAR evaluation to qualify for TCB approval.

Two antenna is available for the EUT. The minimum separation distance is 5mm.

Measurement Result

BT:

Transmit Frequency (MHz)	Mode	Measured Power (dBm)	Tune up Power (dBm)	Max tune up power (dBm)	Calculation Result	1-g SAR
2480	3-DH5	1.76	6±1	2	0.49918	7.5

5G WIFI:

Transmit Frequency (MHz)	Mode	Measured Power (dBm)	Tune up Power (dBm)	Max tune up power (dBm)	Calculation Result	1-g SAR
5785	IEEE 802.11a	8.64	8±1	9	6.05594	7.5

Maximum Simultaneous transmission 1-g SAR for Bluetooth & 5G WIFI

Maximum 1-g SAR (Bluetooth)	Maximum 1-g SAR (5G WIFI)	Σ 1-g SAR	Limit	Results
0.49918	6.05594	0.87402	1.000	Pass

No need to test SAR.

Signature 

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