

RF EXPOSURE EVALUATION

According to FCC 1.1310: 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)

FCC ID: 2BCES-CD8V544F2

EUT Specification

EUT	Cozyla Calendar+ 2
Model	Cozyla CD-8V544F2
Series Model	Cozyla CD-8V544FX (X=0-9)
Model Difference	Note: The only difference between the models is in the appearance decoration, which does not affect the electrical performance parameters.
Input Rating	19.0V = 3.42A
Frequency band (Operating)	☒ BT: 2.402GHz ~ 2.480GHz ☒ WLAN: 2.412GHz ~ 2.462GHz ☒ WLAN: 5.18GHz ~ 5.24GHz ☒ WLAN: 5.745GHz ~ 5825GHz
Device category	☐ Portable (<20cm separation) ☒ Mobile (>20cm separation)
Exposure classification	☐ Occupational/Controlled exposure (S = 5mW/cm ²) ☒ General Population/Uncontrolled exposure (S=1mW/cm ²)
Antenna diversity	☒ Single antenna ☐ Multiple antennas ☐ Tx diversity ☐ Rx diversity ☐ Tx/Rx diversity
Max. output power (peak power)	5GHz WIFI U-NII-1: IEEE 802.11a: 12.15 dBm IEEE 802.11n-HT20: 11.21 dBm IEEE 802.11n-HT40: 10.80 dBm IEEE 802.11ac-VHT20: 11.47 dBm IEEE 802.11ac-VHT40: 10.75 dBm IEEE 802.11ac-VHT80: 8.86 dBm U-NII-3: IEEE 802.11a: 12.95 dBm IEEE 802.11n-HT20: 12.45 dBm IEEE 802.11n-HT40: 10.05 dBm

	IEEE 802.11ac-VHT20: 12.07 dBm IEEE 802.11ac-VHT40: 10.01 dBm IEEE 802.11ac-VHT80: 8.12 dBm 2.4GHz WIFI: IEEE 802.11b: 16.13 dBm IEEE 802.11g: 15.04 dBm IEEE 802.11n-HT20: 15.19 dBm IEEE 802.11n-HT40: 12.84 dBm BT: 5.71 dBm BLE: 0.12 dBm
Antenna gain (Max)	BT: 5.18 dBi 2.4GHz WIFI: 5.18 dBi 5.1G WIFI: 1.87 dBi 5.8G WIFI: 2.00 dBi
Evaluation applied	☒ MPE Evaluation ☐ SAR Evaluation

Limits for Maximum Permissible Exposure(MPE)

Frequency Range(MHz)	Electric Field Strength(V/m)	Magnetic Field Strength(A/m)	Power Density(mW/cm ²)	Average Time
(A) Limits for Occupational/Control Exposures				
300-1500	--	--	F/300	6
1500-100000	--	--	5	6
(B) Limits for General Population/Uncontrol Exposures				
300-1500	--	--	F/1500	6
1500-100000	--	--	1	30

Friis transmission formula: $P_d = (P_{out} * G) / (4 * \pi * R^2)$

Where

P_d = Power density in mW/cm², P_{out} =output power to antenna in Mw

G = gain of antenna in linear scale, π =3.1416

R = distance between observation point and center of the radiator in cm=20cm

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

For multiple RF sources: Multiple RF sources are exempt if:

in the case of fixed RF sources operating in the same time-averaging period, or of multiple mobile or portable RF sources within a device operating in the same time averaging period, if the sum of the fractional contributions to the applicable thresholds is less than or equal to 1 as indicated in the following equation

$$\sum_{k=1}^c \frac{Evaluated_k}{Exposure Limit_k} \leq 1$$

$Evaluated_k$: the maximum reported SAR or MPE of fixed, mobile, or portable RF source k either in the device or at the transmitter site from an existing evaluation at the location of exposure.

$Exposure Limit_k$: either the general population/uncontrolled maximum permissible exposure (MPE) or specific Absorption rate (SAR) limit for each fixed, mobile, or portable RF source k .

Measurement Result

Operation Mode	Channel Frequency (MHz)	Max Measured Power (dBm)	Tune up tolerance (dBm)	Max tune up conducted power (dBm)	Output Peak power (mW)	Ant. Gain (dBi)	Ant. Gain (numeric)	Power density at 20cm (mW/cm ²)	Power density Limits (mW/cm ²)
BLE (1Mbps)	2480	0.12	0±1	1	1.259	5.18	3.296	0.000826	1
BR+EDR (3DH5)	2480	5.71	6±1	7	5.012	5.18	3.296	0.003286	1
2.4GHz WIFI (802.11b)	2412	16.13	16±1	17	50.119	5.18	3.296	0.032864	1
5180 MHz to 5240MHz (802.11a)	5180	12.15	12±1	13	19.953	1.87	1.538	0.006105	1
5745 MHz to 5825MHz (802.11a)	5745	12.95	13±1	14	25.119	2.00	1.585	0.007920	1

Maximum Simultaneous transmission MPE Ratio for Bluetooth & 2.4G WIFI & 5.8G WIFI

Maximum MPE ratio (Bluetooth)	Maximum MPE ratio (2.4G WIFI)	Maximum MPE ratio (5.8G WIFI)	Σ MPE ratios	Limit	Results
0.003286	0.032864	0.007920	0.044070	1.000	Pass

Conclusion: No SAR is required.

Signature:

A handwritten signature in black ink, appearing to read 'Shawn Wen', written in a cursive style.

Shawn Wen

Date: 2025-10-12