

FCC ID : A3LXE313C13
IC ID : 649E-XE313C13

Per FCC KDB 447498 D01v05, the SAR exclusion threshold for distances < 50 mm is defined by the following equation:

$$\frac{\text{Max Power of Channel (mW)}}{\text{Test Separation Distance (mm)}} * \sqrt{\text{Frequency (GHz)}} \leq 3.0$$

Per FCC KDB 447498 D01v05, At 100 MHz to 6 GHz and for test separation distances > 50 mm, the SAR test exclusion threshold is determined according to the following equation:

$$[(\text{Threshold at 50 mm in step 1}) + (\text{test separation distance} - 50 \text{ mm}) * 10] \text{ mW} \\ \text{at } > 1500 \text{ MHz and } \leq 6 \text{ GHz}$$

1. SAR test exclusion threshold

Antenna	Tx	Frequency (MHz)	Output power		Separation distances (mm)		SAR Exemption	
			dBm	mW	Base	Back Screen	Base	Back Screen
WiFi - Main Antenna								
WLAN Main	WiFi	2412	14.97	31	190	25	1497mW EXEMPT	1.93 EXEMPT
WLAN Main	WiFi	5180	11.15	13	190	25	1466mW EXEMPT	1.18 EXEMPT
WLAN Main	WiFi	5260	9.85	10	190	25	1465mW EXEMPT	0.92 EXEMPT
WLAN Main	WiFi	5520	11.96	16	190	25	1464mW EXEMPT	1.50 EXEMPT
WLAN Main	WiFi	5765	10.85	12	190	25	1462mW EXEMPT	1.15 EXEMPT
WiFi - Aux Antenna								
WLAN Aux	WiFi	2452	6.52	4	190	25	1496mW EXEMPT	0.25 EXEMPT
WLAN Aux	WiFi	5190	7.14	5	190	25	1466mW EXEMPT	0.46 EXEMPT
WLAN Aux	WiFi	5260	6.63	5	190	25	1465mW EXEMPT	0.46 EXEMPT
WLAN Aux	WiFi	5630	7.27	5	190	25	1463mW EXEMPT	0.47 EXEMPT
WLAN Aux	WiFi	5795	7.02	5	190	25	1462mW EXEMPT	0.48 EXEMPT
Bluetooth - Antenna								
Bluetooth	B.T	2402	3.77	2	190	25	1497mW EXEMPT	0.12 EXEMPT

Note:

If the antenna separation distance is > 50mm then the value listed is the output power threshold, above which SAR measurement is required. For separation <= 50mm the value is the KDB 447498 calculated value and must be less than 3 for SAR exemption.

2. Conclusion: No SAR is required.

3. The Distance information of Antenna to Edges of EUT

