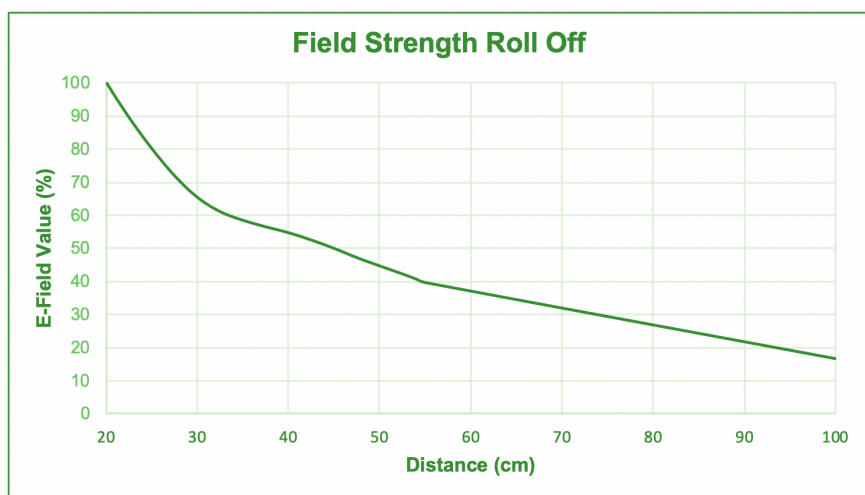


Impact on RF Exposure

The original Grant filing for FCC ID: 2ADNG-MS550 declares the maximum transmitted output power is 5.5 W. This output power will not be increased when extending the charging zone to 1 meter. RF exposure compliance has been evaluated at 20 cm in the original filing and since there is no change to transmitter output power or directionality/gain of the transmitter's antenna, the highest RF exposure value compliance is demonstrated in the original Grant at 20 cm.

The graph below reflects the MS-550 E-field roll off from the sensor edge where SAR was measured at 20cm. As demonstrated in the graph, the E-field value at 1 meter is 16.76% of the E-field value at 20 cm. Hence the newly tuned receiver can charge with a lower incident field strength than was previously observed and will allow the receiver and control circuitry to maintain the connection to the transmitter via the BLE control link up to 1 meter.



2ADNG-MS550	
Distance (cm)	System E-Field (%)
20	100.00
40	54.71
50	44.71
100	16.76

*E-field value (%) has been normalized to 20cm (V/m)