

Model D25

FCC ID: DKNHRT4

BLE & BT Antenna Gain Addendum

	Measured Max Field Strength (dBuV/m)	Converted EIRP (dBm/MHz)	EBW (MHz)	EBW Correction (dB)	Corrected Total EIRP (dBm)	Conducted Power Peak (dBm)	Effective Antenna Gain (measured EIRP – conducted power) (dBi)	Modelled Antenna Gain (dBi)
BLE	108	12.77	0.66	-1.8	10.97	9.45	1.52	4.92
BT	108	12.77	0.94	-0.27	12.5	9.38	3.12	4.92

Converted EIRP (dBm/MHz) = FS (dBuV/m) - 95.2

EBW Correction = $10\log(\text{EBW} / 1\text{MHz})$, used to correct for measured field strength in 1MHz BW for full emission BW

Corrected Total EIRP (dBm) = Converted EIRP (dBm/MHz) + EBW Correction

Effective Antenna Gain (dBi) = Corrected EIRP/MHz – Measured Conducted Power

Field strength values noted above specifically comes from 14571599-E1 (BLE, page 27) and 14571599-E2 (BT, page 42).

Equipment lists, test methods for field strength values apply C63.10:2013 radiated bandedge procedures come from reports 14571599-E1 and 14571599-E2.