Model D45
FCC ID: DKNU49F
BT/BLE and Zigbee Antenna Gain Addendum

	Measured Max Field Strength (dBuV/m)	Converted EIRP (dBm/MHz)	EBW (MHz)	EBW Correction (dB)	Corrected Total EIRP (dBm)	Conducted Peak Power (dBm)	Effective Antenna Gain (measured EIRP – conducted power) (dBi)	Modelled Antenna Gain (dBi)
BT/BLE	105	9.8	1.85	2.67	12.47	9.09	3.38	4.2
Zigbee	108	12.8	1.43	1.55	14.35	12.09	2.26	4.1

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

EBW Correction = 10log(EBW / 1MHz), 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 13619076-E1V2 (BLE, page 24), 13619076-E2V2 (BT, page 43) and 14441108-E6 (Zigbee, page 26).

Equipment lists, test methods for field strength values apply C63.10:2013 radiated bandedge procedures come from reports 13619076-E1V2 , 13619076-E2V2 and 14441108-E6.