

## Annex C – Radiated Emissions Above 40GHz

### Naming Convention

Frequency Range (GHz) Sample (LR, W, UW), Measurement (Peak, Average)

*Note: LR= Long Range, W=Wide, UW= Ultra-Wide*

*Note: The correction factors have been considered in the reference level offset as shown in the following measurement screenshots.*

*Note: The correction factors have been considered in the reference level offset as shown in the following measurement screenshots. Offset (dB) = 106.99dB + Antenna Factor (dB/m) + External Mixer Conversion Loss (dB) + 20\*log (Xmeters) – 104.8dB. Please note dBm = dBuV – 106.99dB and EIRP (dBm) = E(dBuV/m) + 20log(measurement distance) -104.8dB.*

*Note: Reduced RBW was used to show that noise floor indeed meets required limits.*

*Note: Note stricter limits shown in some cases to show worst-case compliance as testing was also used to evaluate to other domains standard requirements.*

*Note: per ANSI C63.26-2015, section 5.2.7: dBuV/m = dBm -20log(Distance) +104.8*

| Frequency Range (GHz) | FCC Limit                  |       |
|-----------------------|----------------------------|-------|
|                       | (pW/cm <sup>2</sup> ) @ 3m | (dBm) |
| 40-76                 | 600                        | -1.69 |
| 81-162                | 600                        | -1.69 |
| 162-200               | 600                        | -1.69 |
| 200-231               | 1000                       | 0.53  |











