

| Standard                                       | Band / Frequency                | Min (AVG / PEAK) | Typ (AVG / PEAK) | Max (AVG / PEAK) | Limit by the Standard (AVG / PEAK) | Unit   |
|--|---------------------------------|------------------|------------------|------------------|------------------------------------|--------|
| FCC part 15 transmitter spurious emissions     | 2nd harmonic                    |                  | 50 / 61          |                  | 54 / 74                            | dBuV/m |
|  | 3rd harmonic                    |                  | < 40 / 50        |                  | 54 / 74                            | dBuV/m |
|  | Band edge 2390MHz               |                  |                  |                  | 54 / 74                            | dBuV/m |
|  | Band edge 2483.5MHz             |                  |                  |                  | 54 / 74                            | dBuV/m |
|  | Band edge 2400MHz (conducted)   |                  |                  |                  | -20                                | dBc    |
|  | Band edge 2483.5MHz (conducted) |                  |                  |                  | -20                                | dBc    |
| ETSI EN 300 328 transmitter spurious emissions | Band edge 2400MHz               |                  |                  |                  | -30                                | dBm    |
|  | 2nd harmonic                    |                  | -35              |                  | -30                                | dBm    |
|  | 3rd harmonic                    |                  | <-40             |                  | -30                                | dBm    |
| ETSI EN 300 328 receiver spurious emissions    | (2400 - 2479) MHz               |                  |                  |                  | -47                                | dBm    |
|  | (1600 - 1653) MHz               |                  |                  |                  | -47                                | dBm    |

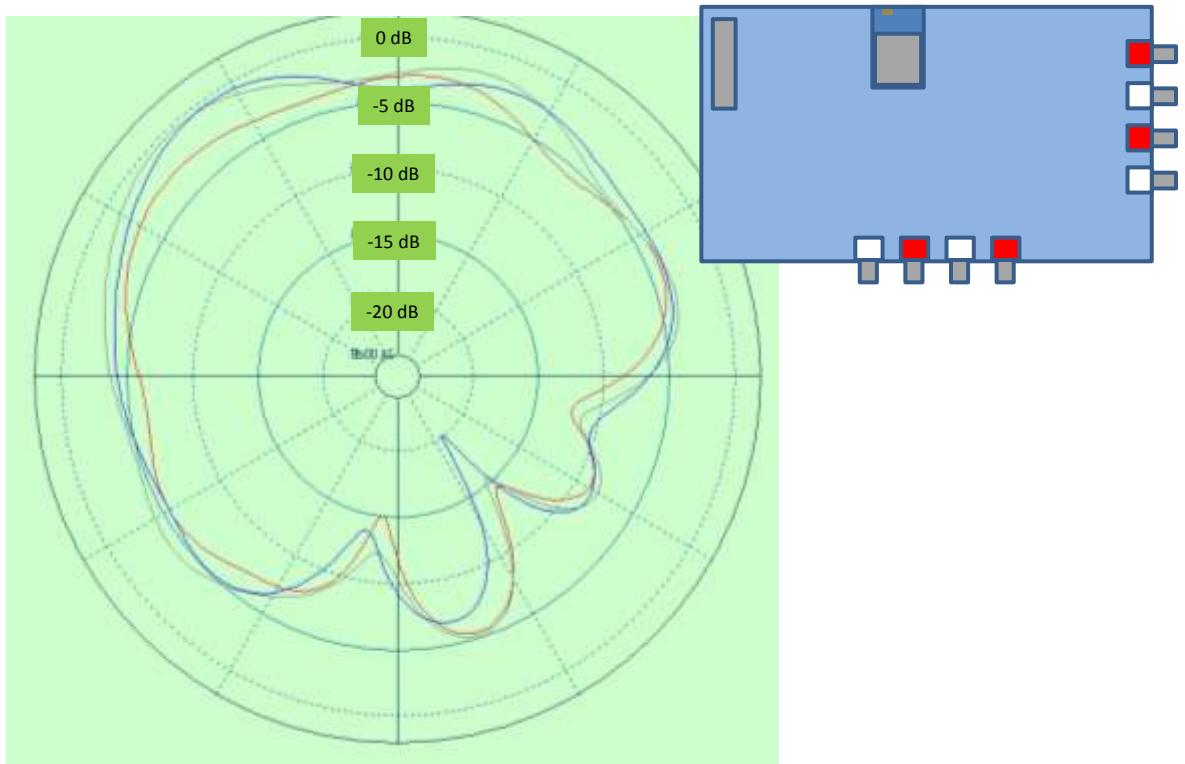
**Table 11: WT32i-A spurious emissions**

**Note:** All the emissions tested with maximum 8 dBm TX power

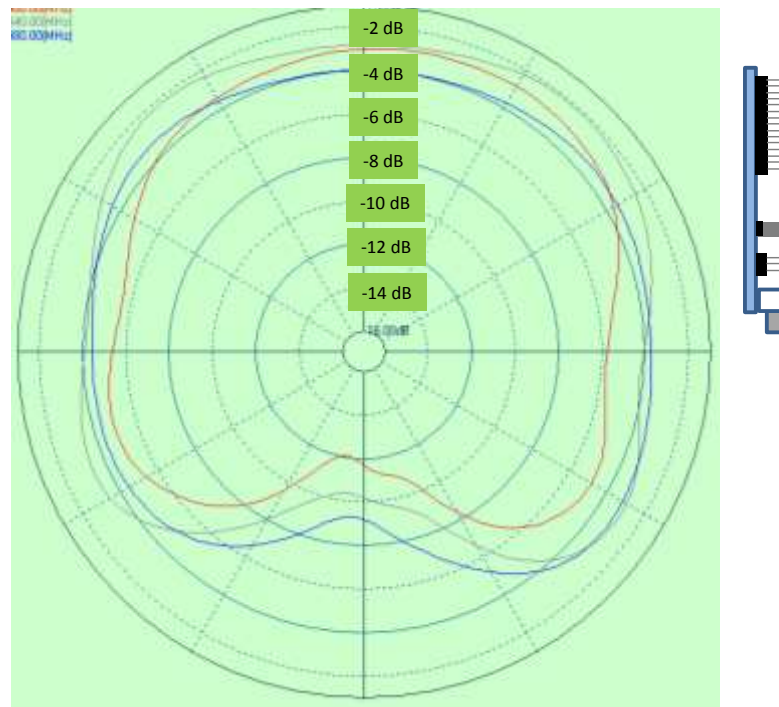
## 5.5.2 Antenna Characteristics

Note: Antenna characteristics may vary depending on the mother board layout. Following characteristics have been measured using DKWT32i

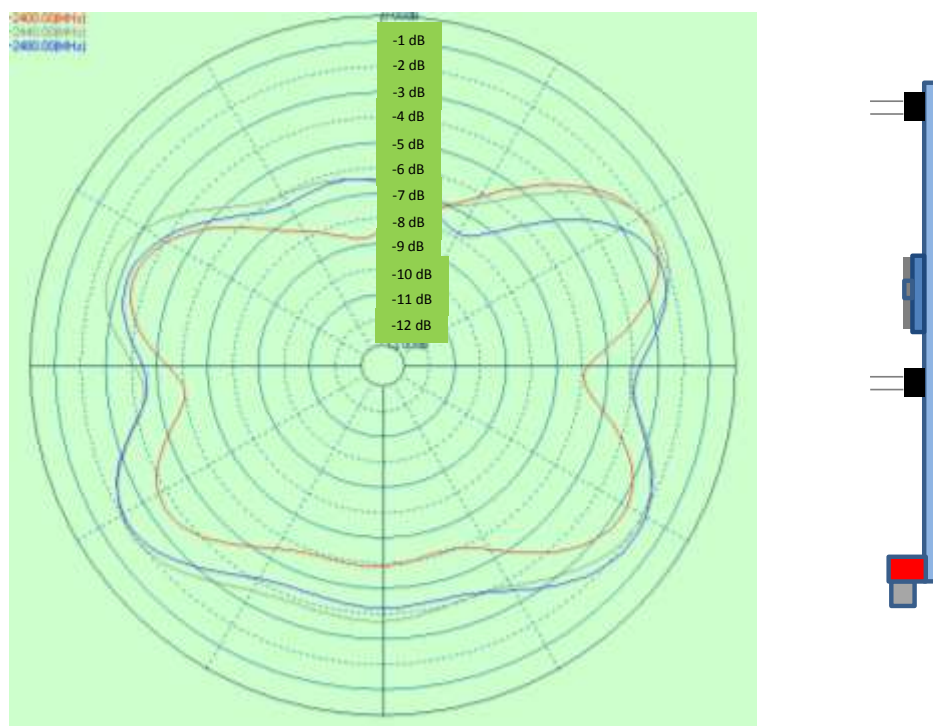
- Antenna efficiency -3.5 dB (45%)
- Peak gain 0 dBi



**Figure 5: Top view radiation pattern of DKWT32i**



**Figure 6: Side view radiation pattern of DKWT32i**



**Figure 7: Front view radiation pattern**