



## Emission below 1GHz

## 2.4GHz BT (LF)

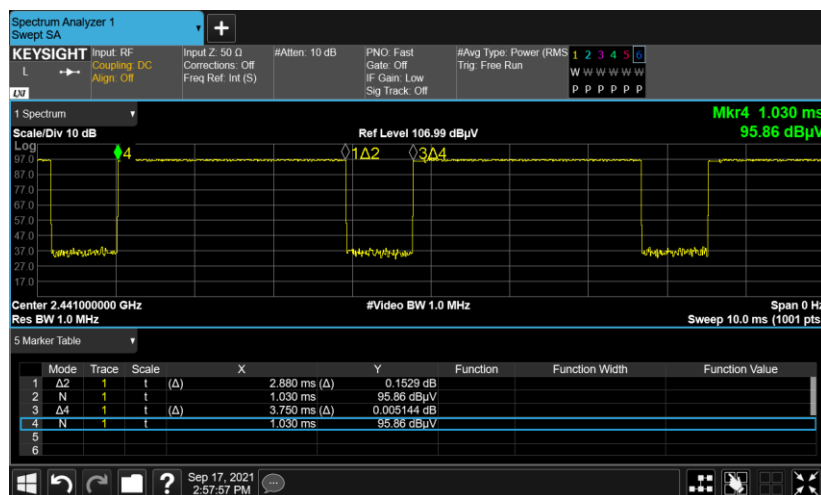
| BT                 | Note                                                                       | Frequency | Level      | Over   | Limit      | Read   | Antenna  | Cable  | Preamp | Ant    | Table   | Peak  | Pol.  |
|--------------------|----------------------------------------------------------------------------|-----------|------------|--------|------------|--------|----------|--------|--------|--------|---------|-------|-------|
|                    |                                                                            |           |            | Limit  | Line       | Level  | Factor   | Loss   | Factor | Pos    | Pos     | Avg.  |       |
|                    |                                                                            | ( MHz )   | ( dBμV/m ) | ( dB ) | ( dBμV/m ) | (dBμV) | ( dB/m ) | ( dB ) | ( dB ) | ( cm ) | ( deg ) | (P/A) | (H/V) |
| 2.4GHz<br>BT<br>LF |                                                                            | 30        | 22.65      | -17.35 | 40         | 29.32  | 25.2     | 0.53   | 32.4   | -      | -       | P     | H     |
|                    |                                                                            | 155.13    | 24.47      | -19.03 | 43.5       | 38.49  | 16.9     | 1.27   | 32.19  | -      | -       | P     | H     |
|                    |                                                                            | 285.11    | 31.61      | -14.39 | 46         | 42.68  | 18.9     | 1.76   | 31.73  | -      | -       | P     | H     |
|                    |                                                                            | 563.5     | 27.94      | -18.06 | 46         | 29.79  | 26.5     | 2.49   | 30.84  | -      | -       | P     | H     |
|                    |                                                                            | 752.65    | 30.82      | -15.18 | 46         | 30.77  | 28.3     | 2.86   | 31.11  | -      | -       | P     | H     |
|                    |                                                                            | 981.57    | 34.59      | -19.41 | 54         | 31.59  | 30.93    | 3.28   | 31.21  | -      | -       | P     | H     |
|                    |                                                                            | 48.43     | 32.81      | -7.19  | 40         | 49.02  | 15.5     | 0.69   | 32.4   | -      | -       | P     | V     |
|                    |                                                                            | 93.05     | 22.8       | -20.7  | 43.5       | 38.63  | 15.3     | 0.97   | 32.1   | -      | -       | P     | V     |
|                    |                                                                            | 156.1     | 26.93      | -16.57 | 43.5       | 41.05  | 16.8     | 1.27   | 32.19  | -      | -       | P     | V     |
|                    |                                                                            | 292.87    | 27.93      | -18.07 | 46         | 38.7   | 19.16    | 1.78   | 31.71  | -      | -       | P     | V     |
|                    |                                                                            | 730.34    | 30.01      | -15.99 | 46         | 30.49  | 27.7     | 2.81   | 30.99  | -      | -       | P     | V     |
|                    |                                                                            | 969.93    | 33.5       | -20.5  | 54         | 30.26  | 31.3     | 3.26   | 31.32  | -      | -       | P     | V     |
| Remark             | 1. No other spurious found.<br>2. All results are PASS against limit line. |           |            |        |            |        |          |        |        |        |         |       |       |

## Appendix D. Duty Cycle Plots

### DH5 on time (One Pulse) Plot on Channel 39



### DH5 on time (Count Pulses) Plot on Channel 39



#### Note:

1. Worst case Duty cycle = on time/100 milliseconds =  $2 * 2.88 / 100 = 5.76 \%$
2. Worst case Duty cycle correction factor =  $20 * \log(\text{Duty cycle}) = -24.79 \text{ dB}$
3. DH5 has the highest duty cycle worst case and is reported.