



## Frequency Allocation of KHT5005 and Universal Wireless

Engineering Department

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#### Frequency Summary:

<b>Operating Frequency Range (GHz):</b>	2.403 – 2.478
<b>Channel Bandwidth:</b>	2 MHz
<b>Channel Spacing:</b>	2.048 MHz
<b>Lowest Frequency Used:</b>	12.288 MHz
<b>Highest Frequency Used:</b>	2.478 GHz
<b>Other Frequency Used:</b>	49.152 MHz (Clock); 24.567 MHz

#### Frequency Hopping Duty Factor:

<b>Number of hopping channels</b>	20
<b>Channel hop every</b>	5.33 ms
<b>A complete cycle of channels, each channel used once.</b>	106.6 ms
<b>Transmitter transmission time on each channel.</b>	4.88 ms
<b>The single channel duty factor (DF)</b>	5%
<b>10 log (DF)</b>	-13 dB



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**Centre Frequencies (ODD Channel Table):**

Channel #	Centre Frequency (GHz)	Channel #	Centre Frequency (GHz)
0	2.403328	19	2.442240
1	2.405376	20	2.444288
2	2.407424	21	2.446336
3	2.409472	22	2.448384
4	2.411520	23	2.450432
5	2.413568	24	2.452480
6	2.415616	25	2.454528
7	2.417664	26	2.456576
8	2.419712	27	2.458624
9	2.421760	28	2.460672
10	2.423808	29	2.462720
11	2.425856	30	2.464768
12	2.427904	31	2.466816
13	2.429952	32	2.468864
14	2.432000	33	2.470912
15	2.434048	34	2.472960
16	2.436096	35	2.475008
17	2.438144	36	2.477056
18	2.440192	37	2.479104

**Internal Antenna: 0dB**