

RF TECHNICAL SPECIFICATIONS

EVOKO LISO ROOM MANAGER

V0225 (001)

Operating Frequency

Bluetooth 4.0: 2.402 GHz ~ 2.480 GHz
802.11 b/g/n: 2.400 GHz ~ 2.497 GHz
802.11 a/n: 4.900 GHz ~ 5.845 GHz

Number of Channels

Bluetooth 4.0: 1 ~ 79 channels
802.11 b/g/n: Ch 1 -14
802.11 a/n: CH 36, 40, 44, 48, 52, 56, 60,
64, 100, 104, 108, 112, 116, 120, 124, 128,
132, 136, 140, 149, 153, 157, 161

RF Output Power - Maximum

802.11 b (2.4 GHz) / 11Mbps: 16 dBm \pm 1.5dB @ EVM \leq -9dB
802.11 g (2.4 GHz) / 54Mbps: 15 dBm \pm 1.5dB @ EVM \leq -25dB
802.11 n (2.4 GHz) / MCS7: 14 dBm \pm 1.5dB @ EVM \leq -28dB
802.11 a (5 GHz)/54Mbps: 13 dBm \pm 1.5dB @ EVM \leq -25dB
802.11 n (5 GHz)/MCS7: 12 dBm \pm 1.5dB @ EVM \leq -28dB

Modulation Type

Bluetooth 4.0: FHSS, GFSK, DPSK, DQPSK
802.11 b: DQPSK, DBPSK, CCK
802.11 g/n: OFDM /64-QAM, 16-QAM, QPSK, BPSK
802.11 a: OFDM /64-QAM, 16-QAM, QPSK, BPSK
802.11 n: OFDM /64-QAM, 16-QAM, QPSK, BPSK

Operation Mode

802.11 b/g/n: 20M
802.11 a/n: 20M/40M

Transmission Bit Rate

Bluetooth 4.0: 1M/ 2M /3M
802.11 b: 1, 2, 5.5, 11M
802.11 g: 6, 9, 12, 18, 24, 36, 48, 54M
802.11 n: MCS0, MCS1, MCS2, MCS3,
MCS4, MCS5, MCS6, MCS7, MCS8, MCS15
802.11 a: 6, 9, 12, 18, 24, 36, 48, 54M

Antenna Type

Dipole

Antenna Gain

2.4 GHz: 2.89 dBi Peak
5 GHz: 4.82 dBi Peak