

Tune up procedure

Tune up procedure shall be over the power range or at specific operating power levels.

RF average conduct power range:

Band	Tune-up power tolerance(dBm)		
WIFI	2.4G	802.11b	Max output power =19.50±1.0dbm
		802.11g	Max output power =24.00±1.0dbm
		802.11n (HT20)	Max output power =24.00±1.0dbm
		802.11n (HT40)	Max output power =23.50±1.0dbm
		802.11ax20	Max output power =18.50±1.0dbm
		802.11ax40	Max output power =18.00±1.0dbm
	U-NII-1 (5150-5250)	802.11a	Max output power =14.50±1.0dbm
	U-NII-2a (5250-5350)	802.11a	Max output power =14.50±1.0dbm
	U-NII-2c (5470-5725)	802.11a	Max output power =10.50±1.0dbm
	U-NII-3 (5725-5825)	802.11ax-HT40	Max output power =8.00±1.0dbm
BT	GFSK mode		Max output power =-5.00±1.0dbm
	Pi/4DQPSK mode		Max output power =-6.00±1.0dbm
	8DPSK mode		Max output power =-6.00±1.0dbm
BLE	1Mbps Power		Max output power =-5.00±1.0dbm
	2Mbps Power		Max output power =-5.00±1.0dbm

WIFI 6E	U-NII-5 (5925-6425)	Ant 1	802.11ax-HE40	Max output power =10.50±1.0dbm
		Ant 2	802.11ax-HE40	Max output power =15.00±1.0dbm
		MIMO	802.11ax-HE40	Max output power =16.50±1.0dbm
	U-NII-6 (6425-6525)	Ant 1	802.11ax-HE40	Max output power =10.00±1.0dbm
		Ant 2	802.11ax-HE40	Max output power =11.00±1.0dbm
		MIMO	802.11ax-HE40	Max output power =14.00±1.0dbm
	U-NII-7 (6525-6875)	Ant 1	802.11ax-HE40	Max output power =10.00±1.0dbm
		Ant 2	802.11ax-HE40	Max output power =11.00±1.0dbm
		MIMO	802.11ax-HE40	Max output power =13.50±1.0dbm
	U-NII-8 (6875-7125)	Ant 1	802.11ax-HE40	Max output power =10.50±1.0dbm
		Ant 2	802.11ax-HE40	Max output power =11.00±1.0dbm
		MIMO	802.11ax-HE40	Max output power =14.00±1.0dbm
BT	GFSK mode			Max output power =10.00±1.0dbm
	Pi/4DQPSK mode			Max output power =10.00±1.0dbm
	8DPSK mode			Max output power =10.00±1.0dbm
BLE	1Mbps Power			Max output power =10.00±1.0dbm
	2Mbps Power			Max output power =10.00±1.0dbm

Then these appropriate gain settings are stored in each device individually. The user has no possibility to change these settings later on, and during manufacturing each device will be individual calibrated. The measurement is done in fully calibrated setup, which is based on the base station simulator. Furthermore, the highest power level is verified afterwards measurement on three channels (low, middle and high)