

Tune up power table BT /WLAN

- Each product is programmed with the pre-defined RF parameters
- Each product RF power level is measured to ensure the power level not exceeding the target power level, in a fully calibrated setup.
- The user has no possibility to change these settings later on

Please find below the **Maximum** Transmit Power for production units:

Mode	Average power (dBm)				
	BR / EDR			LE	
	1Mbps	2Mbps	3Mbps	1Mbps	2Mbps
Tune-up Limit	11	7	7	7	7

	Mode	Channel	Frequency (MHz)	Ant 1 Tune-up Limit	Ant 2 Tune-up Limit	Ant 1+2 Tune-up Limit
	2.4GHz WLAN	802.11b 1Mbps	1	2412	20.00	20.00
6			2437	20.00	20.00	
11			2462	20.00	20.00	
12			2467	19.00	18.75	
13			2472	16.50	15.50	
802.11g 6Mbps		1	2412	17.00	17.50	
		6	2437	20.00	20.00	
		11	2462	16.75	17.00	
		12	2467	14.50	14.50	
		13	2472	11.50	11.50	
802.11n-HT20 MCS0		1	2412	17.00	17.50	15.50
		6	2437	20.00	20.00	20.00
		11	2462	16.75	17.00	15.00
		12	2467	14.50	14.50	11.00
		13	2472	11.50	11.50	8.00
802.11n-HT40 MCS0		3	2422	15.50	14.75	14.00
		6	2437	16.25	17.00	14.75
		9	2452	16.50	15.00	13.75
		10	2457	12.00	11.75	11.00
		11	2462	10.50	9.25	8.00
802.11ax-HE20 MCS0		1	2412	17.00	17.50	15.50
		6	2437	20.00	20.00	20.00
		11	2462	16.75	17.00	15.50

		12	2467	14.50	14.50	11.00
		13	2472	11.50	11.50	8.00
	802.11ax-HE40 MCS0	3	2422	15.50	14.75	14.50
		6	2437	16.25	17.00	15.25
		9	2452	16.50	15.00	13.75
		10	2457	12.00	11.75	11.00
		11	2462	10.50	9.25	8.00

5.2GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 1 Tune-up Limit	Ant 2 Tune-up Limit	Ant 1+2 Tune-up Limit
	802.11a 6Mbps	36	5180	18.00	18.00	
		40	5200	18.00	18.00	
		44	5220	18.00	18.00	
		48	5240	18.00	18.00	
	802.11n-HT20 MCS0	36	5180	18.00	18.00	15.50
		40	5200	18.00	18.00	17.25
		44	5220	18.00	18.00	17.25
		48	5240	18.00	18.00	17.25
	802.11n-HT40 MCS0	38	5190	17.50	17.50	14.75
46		5230	18.00	18.00	16.75	
802.11ac-VHT20 MCS0	36	5180	18.00	17.50	15.50	
	40	5200	18.00	18.00	17.25	
	44	5220	18.00	18.00	17.25	
	48	5240	18.00	18.00	17.25	
802.11ac-VHT40 MCS0	38	5190	18.00	16.75	14.75	
	46	5230	18.00	18.00	16.75	
802.11ac-VHT80 MCS0	42	5210	18.00	16.50	15.00	
802.11ax-HE20 MCS0	36	5180	18.00	17.50	15.50	
	40	5200	18.00	18.00	17.25	
	44	5220	18.00	18.00	17.25	
	48	5240	18.00	18.00	17.25	
802.11ax-HE40 MCS0	38	5190	18.00	16.75	14.75	
	46	5230	18.00	18.00	16.75	
802.11ax-HE80 MCS0	42	5210	18.00	16.50	15.00	

5.3GHz WLAN	Mode	Channel	Frequency	Ant 1	Ant 2	Ant 1+2
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			(MHz)	Tune-up Limit	Tune-up Limit	Tune-up Limit
	802.11a 6Mbps	52	5260	18.00	18.00	
		56	5280	18.00	18.00	
		60	5300	18.00	18.00	
		64	5320	18.00	18.00	
	802.11n-HT20 MCS0	52	5260	18.00	18.00	18.00
		56	5280	18.00	18.00	18.00
		60	5300	18.00	18.00	18.00
		64	5320	18.00	18.00	17.50
	802.11n-HT40 MCS0	54	5270	18.00	18.00	18.00
		62	5310	16.00	16.25	15.25
	802.11ac-VHT20 MCS0	52	5260	18.00	18.00	18.00
		56	5280	18.00	18.00	18.00
		60	5300	18.00	18.00	18.00
		64	5320	18.00	18.00	17.50
802.11ac-VHT40 MCS0	54	5270	18.00	18.00	18.00	
	62	5310	16.00	16.00	15.25	
802.11ac-VHT80 MCS0	58	5290	16.75	16.75	15.25	
802.11ac-VHT160 MCS0	50	5250	13.00	13.00	11.00	
802.11ax-HE20 MCS0	52	5260	18.00	18.00	18.00	
	56	5280	18.00	18.00	18.00	
	60	5300	18.00	18.00	18.00	
	64	5320	18.00	18.00	17.50	
802.11ax-HE40 MCS0	54	5270	18.00	18.00	18.00	
	62	5310	16.00	16.25	15.25	
802.11ax-HE80 MCS0	58	5290	16.75	16.50	15.25	
802.11ax-HE160 MCS0	50	5250	13.00	13.00	11.00	

5.5GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 1 Tune-up Limit	Ant 2 Tune-up Limit	Ant 1+2 Tune-up Limit
	802.11a 6Mbps	100	5500	17.00	17.00	
		116	5580	17.00	17.00	
		124	5620	17.00	17.00	
		132	5660	17.00	17.00	
		144	5720	17.00	17.00	
	802.11n-HT20 MCS0	100	5500	17.00	17.00	17.00
		116	5580	17.00	17.00	17.00
		124	5620	17.00	17.00	17.00

		132	5660	17.00	17.00	17.00
		144	5720	17.00	17.00	17.00
	802.11n-HT40 MCS0	102	5510	17.00	17.00	17.00
		110	5550	17.00	17.00	17.00
		126	5630	17.00	17.00	17.00
		134	5670	17.00	17.00	17.00
		142	5710	17.00	17.00	17.00
	802.11ac-VHT20 MCS0	100	5500	17.00	17.00	17.00
		116	5580	17.00	17.00	17.00
		124	5620	17.00	17.00	17.00
		132	5660	17.00	17.00	17.00
		144	5720	17.00	17.00	17.00
	802.11ac-VHT40 MCS0	102	5510	17.00	17.00	17.00
		110	5550	17.00	17.00	17.00
		126	5630	17.00	17.00	17.00
		134	5670	17.00	17.00	17.00
		142	5710	17.00	17.00	17.00
	802.11ac-VHT80 MCS0	106	5530	17.00	17.00	15.00
		122	5610	17.00	17.00	17.00
		138	5690	17.00	17.00	17.00
	802.11ac-VHT160 MCS0	114	5570	15.25	15.75	14.00
	802.11ax-HE20 MCS0	100	5500	17.00	17.00	17.00
		116	5580	17.00	17.00	17.00
		124	5620	17.00	17.00	17.00
		132	5660	17.00	17.00	17.00
		144	5720	17.00	17.00	17.00
	802.11ax-HE40 MCS0	102	5510	17.00	17.00	17.00
		110	5550	17.00	17.00	17.00
		126	5630	17.00	17.00	17.00
		134	5670	17.00	17.00	17.00
		142	5710	17.00	17.00	17.00
	802.11ax-HE80 MCS0	106	5530	17.00	17.00	15.00
122		5610	17.00	17.00	17.00	
138		5690	17.00	17.00	17.00	
802.11ax-HE160 MCS0	114	5570	15.25	15.75	14.00	

5.8GHz WLAN	Mode	Channel	Frequency (MHz)	Ant 1 Tune-up Limit	Ant 2 Tune-up Limit	Ant 1+2 Tune-up Limit
	802.11a 6Mbps	149	5745	17.00	17.00	

		157	5785	17.00	17.00	
		165	5825	17.00	17.00	
	802.11n-HT20 MCS0	149	5745	17.00	17.00	17.00
		157	5785	17.00	17.00	17.00
		165	5825	17.00	17.00	17.00
	802.11n-HT40 MCS0	151	5755	17.00	17.00	17.00
		159	5795	17.00	17.00	17.00
	802.11ac-VHT20 MCS0	149	5745	17.00	17.00	17.00
		157	5785	17.00	17.00	17.00
		165	5825	17.00	17.00	17.00
	802.11ac-VHT40 MCS0	151	5755	17.00	17.00	17.00
		159	5795	17.00	17.00	17.00
	802.11ac-VHT80 MCS0	155	5775	17.00	17.00	17.00
	802.11ax-HE20 MCS0	149	5745	17.00	17.00	17.00
		157	5785	17.00	17.00	17.00
		165	5825	17.00	17.00	17.00
	802.11ax-HE40 MCS0	151	5755	17.00	17.00	17.00
		159	5795	17.00	17.00	17.00
802.11ax-HE80 MCS0	155	5775	17.00	17.00	17.00	

WiFi 6E	Mode	Channel	Frequency (MHz)	Ant 1 Tune-up Limit	Ant 2 Tune-up Limit	Ant 1+2 Tune-up Limit
	802.11ax-HE20 MCS0	1	5955	4.50	4.50	1.50
		57	6235	4.50	4.50	1.50
		113	6515	4.50	4.50	1.50
		173	6815	3.75	3.75	0.75
		233	7115	-0.50	-0.50	-3.00
	802.11ax-HE40 MCS0	3	5965	7.75	7.75	4.75
		59	6245	7.75	7.75	4.75
		107	6485	7.75	7.75	4.75
		171	6805	7.00	7.00	4.00
		227	7085	7.00	7.00	4.00
	802.11ax-HE80 MCS0	7	5985	10.25	10.25	7.25
		71	6305	10.25	10.25	7.25
		119	6545	10.25	10.25	7.25
		167	6785	9.50	9.50	6.50
		215	7025	9.50	9.50	6.50
	802.11ax-HE160 MCS0	15	6025	13.00	13.00	10.00
		47	6185	13.00	13.00	10.00

		111	6505	13.00	13.00	10.00
		175	6825	12.25	12.25	9.25
		207	6985	12.25	12.25	9.25