

Table 19: Conducted Power of 802.11a

Channel	Frequency (MHz)	Average Power (dBm)								Power Setting	Tune-up Limit	Duty Cycle %	
		Data Rate										97.6	Max
		6Mbps	9Mbps	12Mbps	18Mbps	24Mbps	36Mbps	48Mbps	54Mbps				
CH 36	5180	12.85	12.64	12.78	12.67	12.75	12.74	12.63	12.61	14	14	13.7	
CH 40	5200	13.14	13.01	12.91	12.94	13.02	13.11	13.06	13.01	14	14		
CH 48	5240	13.70	13.54	13.16	13.42	13.53	13.19	13.05	12.91	14	14		
CH 149	5745	13.03	12.91	12.85	12.79	12.89	12.61	12.58	12.76	14	14	13.03	
CH 157	5785	12.25	12.06	12.01	12.04	12.13	12.23	12.20	12.19	14	14		
CH 165	5825	12.79	12.64	12.53	12.44	12.69	12.58	12.61	12.43	14	14		

Table 20: Conducted Power of 802.11n-HT20 (5G)

Channel	Frequency (MHz)	Average Power (dBm)								Power Setting	Tune-up Limit	Duty Cycle %	
		Data Rate										97.43	Max
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7				
CH 36	5180	12.89	12.79	12.81	12.64	12.75	12.79	12.68	12.61	13	13	12.89	
CH 40	5200	12.13	12.11	12.10	12.06	12.05	12.11	12.07	11.96	13	13		
CH 48	5240	12.69	12.49	12.61	12.59	12.63	12.59	12.62	12.49	13	13		
CH 149	5745	12.70	12.61	12.59	12.61	12.58	12.67	12.46	12.43	13	13	12.7	
CH 157	5785	12.28	12.19	12.23	12.20	12.16	12.21	12.19	12.06	13	13		
CH 165	5825	12.32	12.31	12.30	12.31	12.30	12.24	12.19	12.20	13	13		

Table 21: Conducted Power of 802.11n-HT40 (5G)

Channel	Frequency (MHz)	Average Power (dBm)								Power Setting	Tune-up Limit	Duty Cycle %	
		MCS Index										95.16	Max
		MCS0	MCS1	MCS2	MCS3	MCS4	MCS5	MCS6	MCS7				
CH 38	5190	12.52	12.19	12.06	12.31	12.29	12.18	12.29	12.11	13	13	12.81	
CH 46	5230	12.81	12.69	12.59	12.43	12.72	12.63	12.16	12.59	13	13		
CH 151	5755	12.5	12.37	12.29	12.41	12.46	12.35	12.37	12.16	13	13		
CH 159	5795	12.26	12.18	12.06	12.21	12.23	12.2	12.06	12.29	13	13	12.5	

Table 22: Conducted Power of Bluetooth (BDR & EDR)

Channel	Frequency (MHz)	Bluetooth Average power (dBm)		Tune-up Limit
		1Mbps	3Mbps	
CH 00	2402	3.847	3.732	5
CH 39	2441	4.108	4.214	
CH 78	2480	4.547	4.723	

No need to do SAR testing for Bluetooth with conducted output power less than 9.5dBm according to KDB 447498 D01

Table 23: Conducted Power of Bluetooth (Low Energy)

Channel	Frequency (MHz)	Bluetooth Average power (dBm)		Tune-up Limit
		GFSK		
CH 00	2402	-3.893		-3
CH 19	2440	-3.231		
CH 39	2480	-3.126		

No need to do SAR testing for Bluetooth with conducted output power less than 9.5dBm according to KDB 447498 D01

Table 24: Initial test configurations Test result of SAR Values

Band	Mode	Test Position	Gap (cm)	Ch.	Freq. (MHz)	Power Setting	configure	Average Power (dBm)	Tune-Up Limit (dBm)	Tune-up Scaling Factor	Power Drift (dB)	Measured 1g SAR (W/kg)	Reported 1g SAR (W/kg)	Date
WLAN2.4G	802.11b	Bottom Face	0	1	2412	16	1Mbps	12.55	13.00	1.109	-0.07	1.006	1.116	2017-05-06
WLAN2.4G	802.11b	Edge 1	0	1	2412	16	1Mbps	12.55	13.00	1.109	0.03	0.713	0.791	2017-05-06
WLAN2.4G	802.11b	Front Face	0	1	2412	16	1Mbps	12.55	13.00	1.109	-0.05	1.139	1.263	2017-05-06
WLAN2.4G	802.11b	Front Face	0	6	2437	16	1Mbps	12.51	13.00	1.119	-0.08	1.124	1.258	2017-05-06
WLAN2.4G	802.11b	Front Face	0	11	2462	16	1Mbps	12.50	13.00	1.122	-0.04	1.121	1.258	2017-05-06
WLAN5G	802.11a	Front Face	0	36	5180	14	6Mbps	12.85	13.00	1.035	-0.08	0.856	0.886	2017-04-19
WLAN5G	802.11a	Edge 1	0	36	5180	14	6Mbps	12.85	13.00	1.035	-0.07	0.652	0.675	2017-04-19
WLAN5G	802.11a	Bottom Face	0	36	5180	14	6Mbps	12.85	13.00	1.035	-0.09	0.43	0.445	2017-04-19
WLAN5G	802.11a	Front Face	0	40	5200	14	6Mbps	13.14	13.00	0.968	-0.13	0.9	0.871	2017-04-19
WLAN5G	802.11a	Front Face	0	48	5240	14	6Mbps	13.70	13.00	0.851	-0.12	0.798	0.679	2017-04-19
WLAN5G	802.11a	Front Face	0	149	5745	14	6Mbps	13.03	13.00	0.993	-0.05	0.789	0.784	2017-04-19
WLAN5G	802.11a	Front Face	0	157	5785	14	6Mbps	12.25	13.00	1.189	-0.09	0.75	0.891	2017-04-19
WLAN5G	802.11a	Edge 1	0	157	5785	14	6Mbps	12.25	13.00	1.189	-0.08	0.645	0.767	2017-04-19
WLAN5G	802.11a	Front Face	0	165	5825	14	6Mbps	12.79	13.00	1.050	-0.07	0.776	0.814	2017-04-19
WLAN5G	802.11a	Edge 1	0	165	5825	14	6Mbps	12.79	13.00	1.050	-0.04	0.662	0.695	2017-04-19

Refer to attached Appendix B for details of test results.