

Appendix B. Maximum Permissible Exposure

1. Maximum Permissible Exposure

1.1. Applicable Standard

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

(A) Limits for Occupational / Controlled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/ cm ²)	Averaging Time E ² , H ² or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density

1.2. MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } Pd \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Average RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$Pd = \frac{30 \times P \times G}{377 \times d^2}$$

From the EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained.

1.3. Calculated Result and Limit

For 2.4GHz Function

Antenna Type : Printed Antenna

<Ant. 1 >

Conducted Power for IEEE 802.11b 1Mbps (1TX) : 26.09 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	3.61	2.2961	26.09	406.4433	0.1857	1	Complies

Conducted Power for IEEE 802.11b 1Mbps (1TX) : 26.12 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	3.51	2.2439	26.12	409.2607	0.1827	1	Complies

Conducted Power for IEEE 802.11b 1Mbps (1TX) : 26.08 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	3.76	2.3768	26.08	405.5085	0.1917	1	Complies

Antenna Type : Printed Antenna

<Ant. 2 >

Conducted Power for IEEE 802.11b 1Mbps (1TX) : 25.88 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	4.30	2.6915	25.88	387.2576	0.2074	1	Complies

Conducted Power for IEEE 802.11b 1Mbps (1TX) : 25.87 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	3.87	2.4378	25.87	386.3670	0.1874	1	Complies

Conducted Power for IEEE 802.11b 1Mbps (1TX) : 25.92 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	3.74	2.3659	25.92	390.8409	0.1840	1	Complies

Antenna Type : Printed Antenna

<Ant. 3 >

Conducted Power for IEEE 802.11b 1Mbps (1TX) : 26.01 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	5.34	3.4198	26.01	399.0249	0.2715	1	Complies

Conducted Power for IEEE 802.11b 1Mbps (1TX) : 26.02 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	26.02	399.9447	0.2332	1	Complies

Conducted Power for IEEE 802.11b 1Mbps (1TX) : 26.11 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	4.35	2.7227	26.11	408.3194	0.2212	1	Complies

Antenna Type : Printed Antenna

<Ant. 1 + Ant. 2 + Ant. 3 >

Conducted Power for IEEE 802.11b 1Mbps (3TX) : 27.35 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	5.34	3.4198	27.35	543.2503	0.3696	1	Complies

Conducted Power for IEEE 802.11b 1Mbps (3TX) : 27.02 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	27.02	503.5006	0.2936	1	Complies

Conducted Power for IEEE 802.11b 1Mbps (3TX) : 27.10 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	4.35	2.7227	27.10	512.8614	0.2778	1	Complies

Antenna Type : Printed Antenna

<Ant. 1 >

Conducted Power for IEEE 802.11g 6Mbps (1TX) : 21.78 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	3.61	2.2961	21.78	150.6607	0.0688	1	Complies

Conducted Power for IEEE 802.11g 6Mbps (1TX) : 25.57 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	3.51	2.2439	25.57	360.5786	0.1610	1	Complies

Conducted Power for IEEE 802.11g 6Mbps (1TX) : 21.41 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	3.76	2.3768	21.41	138.3566	0.0654	1	Complies

Antenna Type : Printed Antenna

<Ant. 2 >

Conducted Power for IEEE 802.11g 6Mbps (1TX) : 22.04 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	4.30	2.6915	22.04	159.9558	0.0857	1	Complies

Conducted Power for IEEE 802.11g 6Mbps (1TX) : 25.39 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	3.87	2.4378	25.39	345.9394	0.1678	1	Complies

Conducted Power for IEEE 802.11g 6Mbps (1TX) : 21.83 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	3.74	2.3659	21.83	152.4053	0.0717	1	Complies

Antenna Type : Printed Antenna

<Ant. 3 >

Conducted Power for IEEE 802.11g 6Mbps (1TX) : 20.92 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	5.34	3.4198	20.92	123.5947	0.0841	1	Complies

Conducted Power for IEEE 802.11g 6Mbps (1TX) : 25.50 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	25.50	354.8134	0.2069	1	Complies

Conducted Power for IEEE 802.11g 6Mbps (1TX) : 21.61 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	4.35	2.7227	21.61	144.8772	0.0785	1	Complies

Antenna Type : Printed Antenna

<Ant. 1 + Ant. 2 + Ant. 3 >

Conducted Power for IEEE 802.11g 6Mbps (3TX) : 24.46 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	5.34	3.4198	24.46	279.2544	0.1900	1	Complies

Conducted Power for IEEE 802.11g 6Mbps (3TX) : 28.05 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	28.05	638.2635	0.3722	1	Complies

Conducted Power for IEEE 802.11g 6Mbps (3TX) : 24.07 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	4.35	2.7227	24.07	255.2701	0.1383	1	Complies

Antenna Type : Printed Antenna

<MCS0 - Ant. 1>

Conducted Power for IEEE 802.11n 20MHz MCS0 (1TX) : 20.16 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	3.61	2.2961	20.16	103.7528	0.0474	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS0 (1TX) : 25.54 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	3.51	2.2439	25.54	358.0964	0.1599	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS0 (1TX) : 20.65 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	3.76	2.3768	20.65	116.1449	0.0549	1	Complies

Antenna Type : Printed Antenna

<MCS0 - Ant. 2>

Conducted Power for IEEE 802.11n 20MHz MCS0 (1TX) : 21.49 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	4.30	2.6915	21.49	140.9289	0.0755	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS0 (1TX) : 25.31 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	3.87	2.4378	25.31	339.6253	0.1647	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS0 (1TX) : 21.23 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	3.74	2.3659	21.23	132.7394	0.0625	1	Complies

Antenna Type : Printed Antenna

<MCS0 - Ant. 3>

Conducted Power for IEEE 802.11n 20MHz MCS0 (1TX) : 19.89 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	5.34	3.4198	19.89	97.4990	0.0663	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS0 (1TX) : 25.58 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	25.58	361.4099	0.2107	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS0 (1TX) : 20.49 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	4.35	2.7227	20.49	111.9438	0.0606	1	Complies

Antenna Type : Printed Antenna

<MCS0 - Ant. 1+2+3>

Conducted Power for IEEE 802.11n 20MHz MCS0 (3TX) : 23.75 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	5.34	3.4198	23.75	237.1374	0.1613	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS0 (3TX) : 27.98 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	27.98	628.0584	0.3662	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS0 (3TX) : 23.84 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	4.35	2.7227	23.84	242.1029	0.1311	1	Complies

Antenna Type : Printed Antenna

<MCS8 - Ant. 1+2+3>

Conducted Power for IEEE 802.11n 20MHz MCS8 (3TX) : 24.18 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	5.34	3.4198	24.18	261.8183	0.1781	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS8 (3TX) : 29.01 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	29.01	796.1594	0.4642	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS8 (3TX) : 24.25 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	4.35	2.7227	24.25	266.0725	0.1441	1	Complies

Antenna Type : Printed Antenna

<MCS16 - Ant. 1+2+3>

Conducted Power for IEEE 802.11n 20MHz MCS16 (3TX) : 23.35 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2412	1.88	1.5417	23.35	216.2719	0.0663	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS16 (3TX) : 29.26 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	1.41	1.3836	29.26	843.3348	0.2321	1	Complies

Conducted Power for IEEE 802.11n 20MHz MCS16 (3TX) : 23.27 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2462	1.52	1.4191	23.27	212.3244	0.0599	1	Complies

Antenna Type : Printed Antenna

<MCS0 - Ant. 1>

Conducted Power for IEEE 802.11n 40MHz MCS0 (1TX) : 19.54 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2422	3.57	2.2751	19.54	89.9498	0.0407	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS0 (1TX) : 22.60 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	3.51	2.2439	22.60	181.9701	0.0812	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS0 (1TX) : 19.52 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2452	3.66	2.3227	19.52	89.5365	0.0414	1	Complies

Antenna Type : Printed Antenna

<MCS0 - Ant. 2>

Conducted Power for IEEE 802.11n 40MHz MCS0 (1TX) : 19.10 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2422	4.13	2.5882	19.10	81.2831	0.0419	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS0 (1TX) : 22.35 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	3.87	2.4378	22.35	171.7908	0.0833	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS0 (1TX) : 19.54 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2452	3.77	2.3823	19.54	89.9498	0.0426	1	Complies

Antenna Type : Printed Antenna

<MCS0 - Ant. 3>

Conducted Power for IEEE 802.11n 40MHz MCS0 (1TX) : 19.25 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2422	5.07	3.2137	19.25	84.1395	0.0538	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS0 (1TX) : 22.02 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	22.02	159.2209	0.0928	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS0 (1TX) : 18.92 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2452	4.46	2.7925	18.92	77.9830	0.0433	1	Complies

Antenna Type : Printed Antenna

<MCS0 - Ant. 1+2+3>

Conducted Power for IEEE 802.11n 40MHz MCS0 (3TX) : 21.56 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2422	5.07	3.2137	21.56	143.2188	0.0916	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS0 (3TX) : 24.97 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	24.97	314.0509	0.1831	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS0 (3TX) : 21.75 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2452	4.46	2.7925	21.75	149.6236	0.0831	1	Complies

Antenna Type : Printed Antenna

<MCS8 - Ant. 1+2+3>

Conducted Power for IEEE 802.11n 40MHz MCS8 (3TX) : 22.52 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2422	5.07	3.2137	22.52	178.6488	0.1142	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS8 (3TX) : 26.27 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	4.67	2.9309	26.27	423.6430	0.2470	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS8 (3TX) : 23.12 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2452	4.46	2.7925	23.12	205.1162	0.1140	1	Complies

Antenna Type : Printed Antenna

<MCS16 - Ant. 1+2+3>

Conducted Power for IEEE 802.11n 40MHz MCS16 (3TX) : 21.21 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2422	1.71	1.4825	21.21	132.1296	0.0390	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS16 (3TX) : 24.62 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2437	1.41	1.3836	24.62	289.7344	0.0797	1	Complies

Conducted Power for IEEE 802.11n 40MHz MCS16 (3TX) : 21.44 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
2.4G	2452	1.46	1.3996	21.44	139.3157	0.0388	1	Complies

For Non-Beamforming

For 5GHz

Antenna Type : PIFA Antenna

< Ant. 1 > / Band 4

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 22.27 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	5.65	3.6728	22.27	168.6553	0.1232	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 22.30 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	4.93	3.1117	22.30	169.8244	0.1051	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 22.30 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	4.18	2.6182	22.30	169.8244	0.0885	1	Complies

Antenna Type : Printed Antenna

< MCS0 - Ant. 2 > / Band 4

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 20.73 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	4.38	2.7416	20.73	118.3042	0.0645	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 20.73 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	3.78	2.3878	20.73	118.3042	0.0562	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 20.72 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	3.69	2.3388	20.72	118.0321	0.0549	1	Complies

Antenna Type : PIFA Antenna

<MCS0 - Ant. 3> / Band 4

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 22.38 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	5.53	3.5727	22.38	172.9816	0.1230	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 22.26 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	4.70	2.9512	22.26	168.2674	0.0988	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 22.47 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	5.03	3.1842	22.47	176.6038	0.1119	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11a 20MHz 6Mbps (3TX) : 26.38 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	5.65	3.6728	26.38	434.5102	0.3175	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (3TX) : 26.30 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	4.93	3.1117	26.30	426.5795	0.2641	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (3TX) : 26.40 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	5.03	3.1842	26.40	436.5158	0.2765	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1> / Band 4

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 22.28 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	5.65	3.6728	22.28	169.0441	0.1235	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 22.24 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	4.93	3.1117	22.24	167.4943	0.1037	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 22.18 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	4.18	2.6182	22.18	165.1962	0.0860	1	Complies

Antenna Type : Printed Antenna

<Nss1MCS0 - Ant. 2> / Band 4

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 20.83 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	4.38	2.7416	20.83	121.0598	0.0660	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 20.58 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	3.78	2.3878	20.58	114.2878	0.0543	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 20.80 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	3.69	2.3388	20.80	120.2264	0.0559	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 3> / Band 4

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 22.34 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	5.53	3.5727	22.34	171.3957	0.1218	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 22.32 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	4.70	2.9512	22.32	170.6082	0.1002	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 22.33 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	5.03	3.1842	22.33	171.0015	0.1083	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 26.29 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	5.65	3.6728	26.29	425.5984	0.3110	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 26.27 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	4.93	3.1117	26.27	423.6430	0.2623	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 26.29 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	5.03	3.1842	26.29	425.5984	0.2696	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 26.27 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	5.65	3.6728	26.27	423.6430	0.3095	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 26.23 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	4.93	3.1117	26.23	419.7590	0.2599	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 26.32 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	5.03	3.1842	26.32	428.5485	0.2715	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss3MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 20MHz Nss3MCS0 (3TX) : 28.79 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	3.32	2.1478	28.79	756.8329	0.3234	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss3MCS0 (3TX) : 28.61 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	2.67	1.8493	28.61	726.1060	0.2671	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss3MCS0 (3TX) : 28.59 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	2.46	1.7620	28.59	722.7698	0.2534	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1> / Band 4

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 21.44 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5755	5.79	3.7931	21.44	139.3157	0.1051	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 21.43 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5795	5.12	3.2509	21.43	138.9953	0.0899	1	Complies

Antenna Type : Printed Antenna

<Nss1MCS0 - Ant. 2> / Band 4

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 19.95 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5755	5.06	3.2063	19.95	98.8553	0.0631	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 19.97 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5795	3.92	2.4660	19.97	99.3116	0.0487	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 3> / Band 4

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 21.13 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5755	5.40	3.4674	21.13	129.7179	0.0895	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 21.02 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5795	5.20	3.3113	21.02	126.4736	0.0833	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (3TX) : 25.35 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5755	5.79	3.7931	25.35	342.7678	0.2587	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (3TX) : 25.40 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5795	5.20	3.3113	25.40	346.7369	0.2284	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 40MHz Nss2MCS0 (3TX) : 25.43 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5755	5.79	3.7931	25.43	349.1403	0.2635	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss2MCS0 (3TX) : 25.40 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5795	5.20	3.3113	25.40	346.7369	0.2284	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss3MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 40MHz Nss3MCS0 (3TX) : 27.42 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5755	3.62	2.3014	27.42	552.0774	0.2528	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss3MCS0 (3TX) : 27.84 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5795	2.95	1.9724	27.84	608.1350	0.2386	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1> / Band 4

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (1TX) : 21.62 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5775	5.19	3.3037	21.62	145.2112	0.0954	1	Complies

Antenna Type : Printed Antenna

<Nss1MCS0 - Ant. 2> / Band 4

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (1TX) : 20.80 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5775	4.42	2.7669	20.80	120.2264	0.0662	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 3> / Band 4

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (1TX) : 21.44 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5775	5.09	3.2285	21.44	139.3157	0.0895	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (3TX) : 25.88 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5775	5.19	3.3037	25.88	387.2576	0.2545	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 80MHz Nss2MCS0 (3TX) : 25.90 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5775	5.19	3.3037	25.90	389.0451	0.2557	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss3MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 80MHz Nss3MCS0 (3TX) : 26.08 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5775	3.16	2.0701	26.08	405.5085	0.1670	1	Complies

Antenna Type : PIFA Antenna

< Ant. 1 > / Band 1

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 16.75 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	5.86	3.8548	16.75	47.3151	0.0363	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 16.79 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	5.93	3.9174	16.79	47.7529	0.0372	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 16.54 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	6.21	4.1783	16.54	45.0817	0.0375	1	Complies

Antenna Type : Printed Antenna

< Ant. 2 > / Band 1

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 16.57 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	6.10	4.0738	16.57	45.3942	0.0368	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 16.48 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	6.34	4.3053	16.48	44.4631	0.0381	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 16.41 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	6.36	4.3251	16.41	43.7522	0.0376	1	Complies

Antenna Type : PIFA Antenna

<Ant. 3> / Band 1

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 16.78 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	5.47	3.5237	16.78	47.6431	0.0334	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 16.76 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	5.72	3.7325	16.76	47.4242	0.0352	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (1TX) : 16.75 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	5.82	3.8194	16.75	47.3151	0.0360	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11a 20MHz 6Mbps (3TX) : 16.06 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	6.80	4.7863	16.06	40.3645	0.0384	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (3TX) : 15.71 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	6.96	4.9659	15.71	37.2392	0.0368	1	Complies

Conducted Power for IEEE 802.11a 20MHz 6Mbps (3TX) : 15.76 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	7.07	5.0933	15.76	37.6704	0.0382	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1> / Band 1

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 16.78 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	5.86	3.8548	16.78	47.6431	0.0365	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 16.80 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	5.93	3.9174	16.80	47.8630	0.0373	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 16.53 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	6.21	4.1783	16.53	44.9780	0.0374	1	Complies

Antenna Type : Printed Antenna

<Nss1MCS0 - Ant. 2> / Band 1

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 16.82 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	6.10	4.0738	16.82	48.0839	0.0390	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 16.57 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	6.34	4.3053	16.57	45.3942	0.0389	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 16.51 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	6.36	4.3251	16.51	44.7713	0.0385	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 3> / Band 1

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 16.86 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	5.47	3.5237	16.86	48.5289	0.0340	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 16.79 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	5.72	3.7325	16.79	47.7529	0.0355	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (1TX) : 16.87 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	5.82	3.8194	16.87	48.6407	0.0370	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 16.05 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	6.80	4.7863	16.05	40.2717	0.0383	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 15.89 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	6.96	4.9659	15.89	38.8150	0.0383	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 15.72 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	7.07	5.0933	15.72	37.3250	0.0378	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 16.68 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	5.63	3.6559	16.68	46.5586	0.0339	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 16.76 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	5.84	3.8371	16.76	47.4242	0.0362	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 16.79 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	5.95	3.9355	16.79	47.7529	0.0374	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss3MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 20MHz Nss3MCS0 (3TX) : 16.40 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	2.84	1.9231	16.40	43.6516	0.0167	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss3MCS0 (3TX) : 16.15 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	3.04	2.0137	16.15	41.2098	0.0165	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss3MCS0 (3TX) : 15.96 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	3.17	2.0749	15.96	39.4457	0.0163	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1> / Band 1

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 16.85 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5190	5.90	3.8905	16.85	48.4172	0.0375	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 16.73 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5230	6.07	4.0458	16.73	47.0977	0.0379	1	Complies

Antenna Type : Printed Antenna

<Nss1MCS0 - Ant. 2> / Band 1

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 16.71 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5190	6.04	4.0179	16.71	46.8813	0.0375	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 16.28 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5230	6.44	4.4055	16.28	42.4620	0.0372	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 3> / Band 1

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 16.81 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5190	5.63	3.6559	16.81	47.9733	0.0349	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (1TX) : 16.88 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5230	5.71	3.7239	16.88	48.7528	0.0361	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (3TX) : 15.95 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5190	6.82	4.8084	15.95	39.3550	0.0376	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (3TX) : 15.70 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5230	7.18	5.2240	15.70	37.1535	0.0386	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 40MHz Nss2MCS0 (3TX) : 16.85 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5190	5.71	3.7239	16.85	48.4172	0.0359	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss2MCS0 (3TX) : 16.79 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5230	5.93	3.9174	16.79	47.7529	0.0372	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss3MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 40MHz Nss3MCS0 (3TX) : 16.23 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5190	2.90	1.9498	16.23	41.9759	0.0163	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss3MCS0 (3TX) : 16.02 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5230	3.19	2.0845	16.02	39.9945	0.0166	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1> / Band 1

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (1TX) : 16.80 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5210	5.94	3.9264	16.80	47.8630	0.0374	1	Complies

Antenna Type : Printed Antenna

<Nss1MCS0 - Ant. 2> / Band 1

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (1TX) : 16.75 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5210	6.02	3.9994	16.75	47.3151	0.0376	1	Complies

Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 3> / Band 1

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (1TX) : 16.86 dBm

Test Mode	Test Freq (MHz)	Antenna Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5210	5.83	3.8282	16.86	48.5289	0.0370	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (3TX) : 16.00 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5210	6.72	4.6989	16.00	39.8107	0.0372	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 80MHz Nss2MCS0 (3TX) : 16.67 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5210	5.64	3.6644	16.67	46.4515	0.0339	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss3MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 80MHz Nss3MCS0 (3TX) : 16.28 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5210	2.83	1.9187	16.28	42.4620	0.0162	1	Complies

For Beamforming

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 26.51 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	7.25	5.3088	26.51	447.7133	0.4729	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 26.36 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	6.80	4.7863	26.36	432.5138	0.4118	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 26.40 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	6.68	4.6559	26.40	436.5158	0.4043	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 26.50 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5745	6.24	4.2073	26.50	446.6836	0.3739	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 26.75 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5785	5.54	3.5810	26.75	473.1513	0.3371	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 26.64 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5825	5.30	3.3884	26.64	461.3176	0.3110	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (3TX) : 25.80 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5755	7.68	5.8614	25.80	380.1894	0.4433	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (3TX) : 25.68 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5795	7.07	5.0933	25.68	369.8282	0.3747	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 40MHz Nss2MCS0 (3TX) : 25.64 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5755	6.53	4.4978	25.64	366.4376	0.3279	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss2MCS0 (3TX) : 25.54 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5795	5.79	3.7931	25.54	358.0964	0.2702	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (3TX) : 26.12 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5775	7.28	5.3456	26.12	409.2607	0.4352	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 4

Conducted Power for IEEE 802.11ac 80MHz Nss2MCS0 (3TX) : 25.96 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5775	6.04	4.0179	25.96	394.4573	0.3153	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 15.91 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	6.80	4.7863	15.91	38.9942	0.0371	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 15.82 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	6.96	4.9659	15.82	38.1944	0.0377	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss1MCS0 (3TX) : 15.64 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	7.07	5.0933	15.64	36.6438	0.0371	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 16.75 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5180	5.63	3.6559	16.75	47.3151	0.0344	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 16.76 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5200	5.84	3.8371	16.76	47.4242	0.0362	1	Complies

Conducted Power for IEEE 802.11ac 20MHz Nss2MCS0 (3TX) : 16.74 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5240	5.95	3.9355	16.74	47.2063	0.0370	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (3TX) : 16.02 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5190	6.82	4.8084	16.02	39.9945	0.0383	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss1MCS0 (3TX) : 15.53 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5230	7.18	5.2240	15.53	35.7273	0.0371	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 40MHz Nss2MCS0 (3TX) : 16.66 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5190	5.71	3.7239	16.66	46.3447	0.0343	1	Complies

Conducted Power for IEEE 802.11ac 40MHz Nss2MCS0 (3TX) : 16.75 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5230	5.93	3.9174	16.75	47.3151	0.0369	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss1MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 80MHz Nss1MCS0 (3TX) : 15.96 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5210	6.72	4.6989	15.96	39.4457	0.0369	1	Complies

Ant. 1 Antenna Type : PIFA Antenna / Ant. 2 Antenna Type : Printed Antenna /

Ant. 3 Antenna Type : PIFA Antenna

<Nss2MCS0 - Ant. 1+2+3> / Band 1

Conducted Power for IEEE 802.11ac 80MHz Nss2MCS0 (3TX) : 16.73 dBm

Test Mode	Test Freq (MHz)	Directional Gain (dBi)	Antenna Gain (numeric)	Average Output Power (dBm)	Average Output Power (mW)	Power Density (S) (mW/cm ²)	Limit of Power Density (S) (mW/cm ²)	Test Result
5G	5210	5.64	3.6644	16.73	47.0977	0.0343	1	Complies

CONCLUSION:

Both of the WLAN 2.4GHz Band and WLAN 5GHz Band function can transmit simultaneously, the formula of calculated the MPE is:

$$CPD1 / LPD1 + CPD2 / LPD2 + \dots \text{etc.} < 1$$

CPD = Calculation power density

LPD = Limit of power density

Therefore, the worst-case situation is $0.4642 / 1 + 0.4729 / 1 = 0.9371$, which is less than "1". This confirmed that the device comply with FCC 1.1310 MPE limit.