

Test Graphs





11A Ant1 5785



11A Ant2 5785



11A Ant1 5825





11N20SISO_Ant1_5785



11N20SISO_Ant2_5785



11N20SISO_Ant1_5825



11N20SISO_Ant2_5825



11N40SISO_Ant1_5755



11N40SISO_Ant2_5755



11N40SISO_Ant1_5795



11N40SISO_Ant2_5795



11AC20SISO_Ant1_5745



11AC20SISO_Ant2_5745



11AC20SISO_Ant1_5785



11AC20SISO_Ant2_5785



11AC20SISO_Ant1_5825



11AC20SISO_Ant2_5825



11AC40SISO_Ant1_5755



11AC40SISO_Ant2_5755



11AC40SISO_Ant1_5795



11AC40SISO_Ant2_5795





11N20MIMO_Ant2_5745



11N20MIMO_Ant1_5785



11N20MIMO_Ant2_5785



11N20MIMO_Ant1_5825



11N20MIMO_Ant2_5825



11N40MIMO_Ant1_5755



11N40MIMO_Ant2_5755



11N40MIMO_Ant1_5795



11N40MIMO_Ant2_5795



11AC20MIMO_Ant1_5745



11AC20MIMO_Ant2_5745



11AC20MIMO_Ant1_5785



11AC20MIMO_Ant2_5785



11AC20MIMO_Ant1_5825



11AC20MIMO_Ant2_5825



11AC40MIMO_Ant1_5755



11AC40MIMO_Ant2_5755



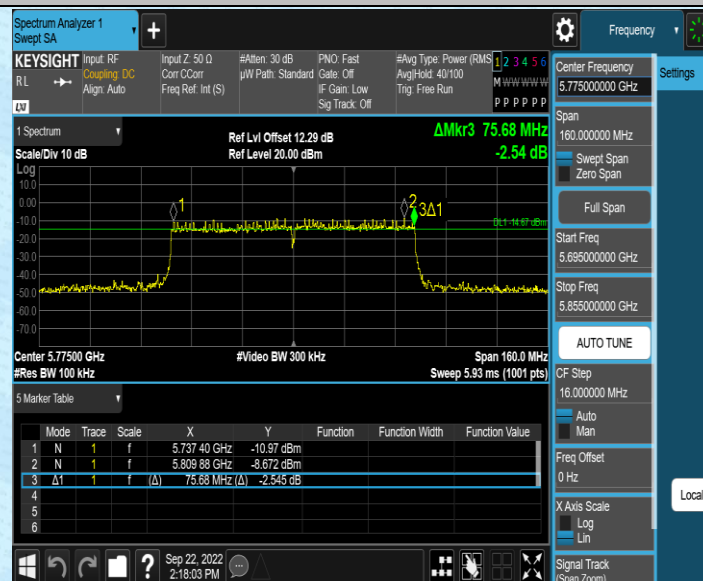
11AC40MIMO_Ant1_5795



11AC40MIMO_Ant2_5795



11AC80MIMO_Ant1_5775



11AC80MIMO_Ant2_5775

4.Maximum conducted output power

Test Result

TestMode	Antenna	Fre.[MHz]	Rate	DC[%]	Power [dBm]	Gain [dBi]	Result[dBm]	Limit[dBm]	Verdict
11A	Ant1	5745	6Mbps	97.20	12.40	6.71	12.52	≤29.29	PASS
	Ant2	5745	6Mbps	96.53	12.46	7.16	12.61	≤28.84	PASS
	Ant1	5785	6Mbps	96.53	12.23	6.71	12.38	≤29.29	PASS
	Ant2	5785	6Mbps	96.50	12.52	7.16	12.67	≤28.84	PASS
	Ant1	5825	6Mbps	96.50	11.83	6.71	11.98	≤29.29	PASS
	Ant2	5825	6Mbps	97.20	12.40	7.16	12.52	≤28.84	PASS
11N20SIS O	Ant1	5745	MCS0	97.04	13.72	6.71	13.85	≤29.29	PASS
	Ant2	5745	MCS0	97.01	12.37	7.16	12.50	≤28.84	PASS
	Ant1	5785	MCS0	97.01	13.29	6.71	13.42	≤29.29	PASS
	Ant2	5785	MCS0	97.01	12.41	7.16	12.54	≤28.84	PASS
	Ant1	5825	MCS0	96.30	12.66	6.71	12.82	≤29.29	PASS
	Ant2	5825	MCS0	96.27	12.30	7.16	12.47	≤28.84	PASS
11N40SIS O	Ant1	5755	MCS0	92.75	13.82	6.71	14.15	≤29.29	PASS
	Ant2	5755	MCS0	94.20	12.40	7.16	12.66	≤28.84	PASS
	Ant1	5795	MCS0	92.75	13.34	6.71	13.67	≤29.29	PASS
	Ant2	5795	MCS0	94.20	12.54	7.16	12.80	≤23.01	PASS
11AC20SI SO	Ant1	5745	MCS0	96.30	13.81	6.71	13.97	≤29.29	PASS
	Ant2	5745	MCS0	96.32	12.43	7.16	12.59	≤28.84	PASS
	Ant1	5785	MCS0	96.30	13.25	6.71	13.41	≤29.29	PASS
	Ant2	5785	MCS0	96.32	12.32	7.16	12.48	≤28.84	PASS
	Ant1	5825	MCS0	96.32	12.64	6.71	12.80	≤29.29	PASS
	Ant2	5825	MCS0	96.32	12.31	7.16	12.47	≤28.84	PASS
11AC40SI SO	Ant1	5755	MCS0	94.20	13.80	6.71	14.06	≤29.29	PASS
	Ant2	5755	MCS0	92.86	12.50	7.16	12.82	≤28.84	PASS
	Ant1	5795	MCS0	94.29	13.31	6.71	13.57	≤29.29	PASS
	Ant2	5795	MCS0	94.20	12.67	7.16	12.93	≤28.84	PASS
11AC80SI SO	Ant1	5775	MCS0	89.19	13.51	6.71	14.01	≤29.29	PASS
	Ant2	5775	MCS0	89.19	12.45	7.16	12.95	≤28.84	PASS
11N20MI MO	Ant1	5745	MCS0	96.3	10.24	6.71	10.40	≤29.29	PASS
	Ant2	5745	MCS0	96.3	8.96	7.16	9.12	≤28.84	PASS
	total	5745	MCS0	/	/	9.95	12.83	≤26.05	PASS
	Ant1	5785	MCS0	96.3	9.75	6.71	9.91	≤29.29	PASS
	Ant2	5785	MCS0	96.27	8.99	7.16	9.16	≤28.84	PASS
	total	5785	MCS0	/	/	9.95	12.56	≤26.05	PASS
	Ant1	5825	MCS0	97.01	9.30	6.71	9.43	≤29.29	PASS
	Ant2	5825	MCS0	97.01	8.99	7.16	9.12	≤28.84	PASS

	total	5825	MCS0	/	/	9.95	12.29	≤26.05	PASS
11N40MI MO	Ant1	5755	MCS0	94.2	9.96	6.71	10.22	≤29.29	PASS
	Ant2	5755	MCS0	94.2	9.10	7.16	9.36	≤28.84	PASS
	total	5755	MCS0	/	/	9.95	12.82	≤26.05	PASS
	Ant1	5795	MCS0	92.86	9.84	6.71	10.16	≤29.29	PASS
	Ant2	5795	MCS0	92.86	9.20	7.16	9.52	≤28.84	PASS
	total	5795	MCS0	/	/	9.95	12.86	≤26.05	PASS
11AC20MI MO	Ant1	5745	MCS0	94.44	9.98	6.71	10.23	≤29.29	PASS
	Ant2	5745	MCS0	93.15	8.99	7.16	9.30	≤28.84	PASS
	total	5745	MCS0	/	/	9.95	12.80	≤26.05	PASS
	Ant1	5785	MCS0	94.44	9.74	6.71	9.99	≤29.29	PASS
	Ant2	5785	MCS0	93.15	9.09	7.16	9.40	≤28.84	PASS
	total	5785	MCS0	/	/	9.95	12.72	≤26.05	PASS
	Ant1	5825	MCS0	94.44	9.20	6.71	9.45	≤29.29	PASS
	Ant2	5825	MCS0	93.15	8.92	7.16	9.23	≤28.84	PASS
	total	5825	MCS0	/	/	9.95	12.35	≤26.05	PASS
11AC40MI MO	Ant1	5755	MCS0	87.50	6.09	6.71	6.67	≤29.29	PASS
	Ant2	5755	MCS0	87.50	10.20	7.16	10.78	≤28.84	PASS
	total	5755	MCS0	/	/	9.95	12.21	≤26.05	PASS
	Ant1	5795	MCS0	89.74	6.27	6.71	6.74	≤29.29	PASS
	Ant2	5795	MCS0	89.74	10.12	7.16	10.59	≤28.84	PASS
	total	5795	MCS0	/	/	9.95	12.09	≤26.05	PASS
11AC80MI MO	Ant1	5775	MCS0	82.61	4.12	6.71	4.95	≤29.29	PASS
	Ant2	5775	MCS0	78.26	8.41	7.16	9.47	≤28.84	PASS
	total	5775	MCS0	/	/	9.95	10.80	≤26.05	PASS

Note:

1.The Duty Cycle Factor has been compensated in the Test Result using the formula below:

Result=Power+10log(1/x),Power is measured value in dBm,and x is Duty Cycle in %.

2.The multi-antenna gain has been obtained from the gain conversion of antenna 1 and antenna 2.

3.It is explained in Part 15.407 that when the antenna gain is less than 6dBi, the Maximum conducted output power limit remains unchanged; when the antenna gain is greater than 6dBi, the greater part is subtracted from the Maximum conducted output power to obtain the final limit.

5.Maximum power spectral density

Test Result

TestMode	Antenna	Fre. [MHz]	Rate	DC Factor	PSD	Result	Limit	Verdict
11A	Ant1	5745	6Mbps	0.12	-0.35dBm/300kHz	1.99dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5745	6Mbps	0.15	-0.07dBm/300kHz	2.30dBm/500kHz	≤28.84dBm/500kHz	PASS
	Ant1	5785	6Mbps	0.15	-0.42dBm/300kHz	1.95dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5785	6Mbps	0.15	-0.3dBm/300kHz	2.07dBm/500kHz	≤28.84dBm/500kHz	PASS
	Ant1	5825	6Mbps	0.15	-0.76dBm/300kHz	1.61dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5825	6Mbps	0.12	-0.36dBm/300kHz	1.98dBm/500kHz	≤28.84dBm/500kHz	PASS
11N20SISO	Ant1	5745	MCS0	0.13	0.74dBm/300kHz	3.09dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5745	MCS0	0.13	-0.59dBm/300kHz	1.76dBm/500kHz	≤28.84dBm/500kHz	PASS
	Ant1	5785	MCS0	0.13	0.45dBm/300kHz	2.80dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5785	MCS0	0.13	-0.58dBm/300kHz	1.77dBm/500kHz	≤28.84dBm/500kHz	PASS
	Ant1	5825	MCS0	0.16	0.18dBm/300kHz	2.56dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5825	MCS0	0.17	-0.7dBm/300kHz	1.68dBm/500kHz	≤28.84dBm/500kHz	PASS
11N40SISO	Ant1	5755	MCS0	0.33	-1.96dBm/300kHz	0.59dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5755	MCS0	0.26	-3.7dBm/300kHz	-1.22dBm/500kHz	≤28.84dBm/500kHz	PASS
	Ant1	5795	MCS0	0.33	-2.4dBm/300kHz	0.15dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5795	MCS0	0.26	-3.44dBm/300kHz	-0.96dBm/500kHz	≤28.84dBm/500kHz	PASS
11AC20SISO	Ant1	5745	MCS0	0.16	0.8dBm/300kHz	3.18dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5745	MCS0	0.16	-0.33dBm/300kHz	2.05dBm/500kHz	≤28.84dBm/500kHz	PASS
	Ant1	5785	MCS0	0.16	0.6dBm/300kHz	2.98dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5785	MCS0	0.16	-0.3dBm/300kHz	2.08dBm/500kHz	≤28.84dBm/500kHz	PASS
	Ant1	5825	MCS0	0.16	-0.2dBm/300kHz	2.18dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5825	MCS0	0.16	-0.77dBm/300kHz	1.61dBm/500kHz	≤28.84dBm/500kHz	PASS
11AC40SISO	Ant1	5755	MCS0	0.26	-2.02dBm/300kHz	0.46dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5755	MCS0	0.32	-3.06dBm/300kHz	-0.52dBm/500kHz	≤28.84dBm/500kHz	PASS
	Ant1	5795	MCS0	0.26	-2.63dBm/300kHz	-0.16dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5795	MCS0	0.26	-3.39dBm/300kHz	-0.91dBm/500kHz	≤28.84dBm/500kHz	PASS
11AC80SISO	Ant1	5775	MCS0	0.5	-5.42dBm/300kHz	-2.70dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5775	MCS0	0.5	-6.55dBm/300kHz	-3.83dBm/500kHz	≤28.84dBm/500kHz	PASS
11N20MIMO	Ant1	5745	MCS0	0.16	-2.58dBm/300kHz	-0.20dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5745	MCS0	0.16	-4.02dBm/300kHz	-1.64dBm/500kHz	≤28.84dBm/500kHz	PASS
	total	5745	MCS0	/	/	2.15dBm/500kHz	≤26.05dBm/500kHz	PASS
	Ant1	5785	MCS0	0.16	-3.42dBm/300kHz	-1.04dBm/500kHz	≤29.29dBm/500kHz	PASS
	Ant2	5785	MCS0	0.17	-4.06dBm/300kHz	-1.68dBm/500kHz	≤28.84dBm/500kHz	PASS
	total	5785	MCS0	/	/	1.67dBm/500kHz	≤26.05dBm/500kHz	PASS
	Ant1	5825	MCS0	0.13	-3.15dBm/300kHz	-0.80dBm/500kHz	≤29.29dBm/500kHz	PASS