

Band 2 (5260-5320 MHz) SISO:

Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
ANT1	802.11a	5260.00	12.90	0.12	13.02	24	Pass
ANT1	802.11a	5300.00	12.07	0.12	12.19	24	Pass
ANT1	802.11a	5320.00	12.02	0.12	12.14	24	Pass
ANT1	802.11n(HT20)	5260.00	12.23	0.13	12.36	24	Pass
ANT1	802.11n(HT20)	5300.00	13.29	0.13	13.42	24	Pass
ANT1	802.11n(HT20)	5320.00	13.30	0.00	13.30	24	Pass
ANT1	802.11ac(VHT20)	5260.00	12.43	0.13	12.56	24	Pass
ANT1	802.11ac(VHT20)	5300.00	14.01	0.13	14.14	24	Pass
ANT1	802.11ac(VHT20)	5320.00	13.66	0.13	13.79	24	Pass
ANT1	802.11n(HT40)	5270.00	13.84	0.13	13.97	24	Pass
ANT1	802.11n(HT40)	5310.00	12.42	0.00	12.42	24	Pass
ANT1	802.11ac(VHT40)	5270.00	13.82	0.26	14.08	24	Pass
ANT1	802.11ac(VHT40)	5310.00	13.53	0.26	13.79	24	Pass
ANT1	802.11ac(VHT80)	5290.00	13.35	0.51	13.86	24	Pass
ANT1	802.11ax(HE20)	5260.00	13.70	0.00	13.70	24	Pass
ANT1	802.11ax(HE20)	5300.00	13.98	0.13	14.11	24	Pass
ANT1	802.11ax(HE20)	5320.00	13.80	0.13	13.93	24	Pass
ANT1	802.11ax(HE40)	5270.00	13.80	0.13	13.93	24	Pass
ANT1	802.11ax(HE40)	5310.00	13.46	0.26	13.72	24	Pass
ANT1	802.11ax(HE80)	5290.00	13.31	0.51	13.82	24	Pass

Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
ANT2	802.11a	5260.00	13.31	0.12	13.43	24	Pass
ANT2	802.11a	5300.00	13.25	0.12	13.37	24	Pass
ANT2	802.11a	5320.00	13.24	0.12	13.36	24	Pass
ANT2	802.11n(HT20)	5260.00	12.68	0.13	12.81	24	Pass
ANT2	802.11n(HT20)	5300.00	12.52	0.00	12.52	24	Pass
ANT2	802.11n(HT20)	5320.00	12.59	0.13	12.72	24	Pass
ANT2	802.11ac(VHT20)	5260.00	12.67	0.13	12.80	24	Pass
ANT2	802.11ac(VHT20)	5300.00	12.56	0.00	12.56	24	Pass
ANT2	802.11n(HT40)	5270.00	12.62	0.26	12.88	24	Pass
ANT2	802.11n(HT40)	5310.00	12.61	0.26	12.87	24	Pass
ANT2	802.11ac(VHT40)	5270.00	13.13	0.00	13.13	24	Pass
ANT2	802.11ac(VHT40)	5310.00	12.51	0.13	12.64	24	Pass
ANT2	802.11ac(VHT80)	5290.00	12.41	0.51	12.92	24	Pass
ANT2	802.11ax(HE20)	5260.00	12.69	0.13	12.82	24	Pass
ANT2	802.11ax(HE20)	5300.00	12.65	0.13	12.78	24	Pass
ANT2	802.11ax(HE20)	5320.00	12.61	0.13	12.74	24	Pass
ANT2	802.11ax(HE40)	5270.00	12.63	0.26	12.89	24	Pass
ANT2	802.11ax(HE40)	5310.00	12.58	0.26	12.84	24	Pass
ANT2	802.11ax(HE80)	5290.00	12.48	0.51	12.99	24	Pass

Condition	Modulation	Frequency(MHz)	Duty cycle(%)	Duty_factor
NVNT	802.11a	5260.00	97.22	0.12
NVNT	802.11a	5300.00	97.18	0.12
NVNT	802.11a	5320.00	98.60	0.00
NVNT	802.11n(HT20)	5260.00	97.01	0.13
NVNT	802.11n(HT20)	5300.00	97.01	0.13
NVNT	802.11n(HT20)	5320.00	98.50	0.00
NVNT	802.11ac(VHT20)	5260.00	97.06	0.13
NVNT	802.11ac(VHT20)	5300.00	97.01	0.13
NVNT	802.11ac(VHT20)	5320.00	97.06	0.13
NVNT	802.11n(HT40)	5270.00	97.10	0.13
NVNT	802.11n(HT40)	5310.00	98.06	0.00
NVNT	802.11ac(VHT40)	5270.00	94.12	0.26
NVNT	802.11ac(VHT40)	5310.00	94.12	0.26
NVNT	802.11ac(VHT80)	5290.00	88.89	0.51
NVNT	802.11ax(HE20)	5260.00	98.52	0.00
NVNT	802.11ax(HE20)	5300.00	97.01	0.13
NVNT	802.11ax(HE20)	5320.00	97.01	0.13
NVNT	802.11ax(HE40)	5270.00	97.10	0.13
NVNT	802.11ax(HE40)	5310.00	94.12	0.26
NVNT	802.11ax(HE80)	5290.00	88.89	0.51

MIMO:

Antenna	Modulation	Frequency (MHz)	ANT1 Power(dBm)	ANT2 Power(dBm)	Total Power(dBm)	Limit (dBm)	Result
ANT1+2	802.11n(HT20)	5260.00	12.36	12.81	15.60	24	Pass
ANT1+2	802.11n(HT20)	5300.00	13.42	12.52	16.00	24	Pass
ANT1+2	802.11n(HT20)	5320.00	13.30	12.72	16.03	24	Pass
ANT1+2	802.11ac(VHT20)	5260.00	12.56	12.80	15.69	24	Pass
ANT1+2	802.11ac(VHT20)	5300.00	14.14	12.56	16.43	24	Pass
ANT1+2	802.11ac(VHT20)	5270.00	13.79	12.88	16.37	24	Pass
ANT1+2	802.11n(HT40)	5310.00	13.97	12.87	16.47	24	Pass
ANT1+2	802.11n(HT40)	5270.00	12.42	13.13	15.80	24	Pass
ANT1+2	802.11ac(VHT40)	5310.00	14.08	12.64	16.43	24	Pass
ANT1+2	802.11ac(VHT40)	5290.00	13.79	12.92	16.39	24	Pass
ANT1+2	802.11ac(VHT80)	5260.00	13.86	12.82	16.38	24	Pass
ANT1+2	802.11ax(HE20)	5300.00	13.70	12.78	16.27	24	Pass
ANT1+2	802.11ax(HE20)	5320.00	14.11	12.74	16.49	24	Pass
ANT1+2	802.11ax(HE20)	5270.00	13.93	12.89	16.45	24	Pass
ANT1+2	802.11ax(HE40)	5310.00	13.93	12.84	16.43	24	Pass
ANT1+2	802.11ax(HE40)	5290.00	13.72	12.99	16.38	24	Pass
ANT1+2	802.11ax(HE80)	5260.00	13.82	12.81	16.35	24	Pass



Band 3 (5500-5570 MHz) SISO:

Antenna	Modulation	Frequency(MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
ANT1	802.11a	5500	12.66	0.12	12.78	24	Pass
ANT1	802.11a	5600	11.65	0.00	11.65	24	Pass
ANT1	802.11a	5700.00	12.91	0.12	13.03	24	Pass
ANT1	802.11n(HT20)	5500	12.58	0.13	12.71	24	Pass
ANT1	802.11n(HT20)	5600	11.68	0.13	11.81	24	Pass
ANT1	802.11n(HT20)	5700.00	12.66	0.13	12.79	24	Pass
ANT1	802.11ac(VHT20)	5500	12.50	0.13	12.63	24	Pass
ANT1	802.11ac(VHT20)	5600	11.41	0.00	11.41	24	Pass
ANT1	802.11ac(VHT20)	5700.00	12.16	0.13	12.29	24	Pass
ANT1	802.11n(HT40)	5510	12.26	0.26	12.52	24	Pass
ANT1	802.11n(HT40)	5590	11.02	0.26	11.28	24	Pass
ANT1	802.11n(HT40)	5670	12.31	0.26	12.57	24	Pass
ANT1	802.11ac(VHT40)	5510	12.11	0.26	12.37	24	Pass
ANT1	802.11ac(VHT40)	5590	11.12	0.26	11.38	24	Pass
ANT1	802.11ac(VHT40)	5670	12.73	0.26	12.99	24	Pass
ANT1	802.11ac(VHT80)	5530	13.28	0.51	13.79	24	Pass
ANT1	802.11ac(VHT80)	5610	12.99	0.51	13.50	24	Pass
ANT1	802.11ax(HE20)	5500.00	12.55	0.13	12.68	24	Pass
ANT1	802.11ax(HE20)	5600.00	12.53	0.00	12.53	24	Pass
ANT1	802.11ax(HE20)	5700.00	12.70	0.13	12.83	24	Pass
ANT1	802.11ax(HE40)	5510.00	13.70	0.26	13.96	24	Pass
ANT1	802.11ax(HE40)	5590.00	12.75	0.26	13.01	24	Pass
ANT1	802.11ax(HE40)	5670.00	12.25	0.13	12.38	24	Pass
ANT1	802.11ax(HE80)	5530.00	12.20	0.51	12.71	24	Pass
ANT1	802.11ax(HE80)	5610.00	12.03	0.51	12.54	24	Pass

Antenna	Modulation	Frequency(MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
ANT2	802.11a	5500	12.43	0.12	12.55	24	Pass
ANT2	802.11a	5600	11.63	0.00	11.63	24	Pass
ANT2	802.11a	5700.00	12.71	0.12	12.83	24	Pass
ANT2	802.11n(HT20)	5500	11.88	0.13	12.01	24	Pass
ANT2	802.11n(HT20)	5600	12.95	0.13	13.08	24	Pass
ANT2	802.11n(HT20)	5700.00	13.27	0.13	13.40	24	Pass
ANT2	802.11ac(VHT20)	5500	13.35	0.13	13.48	24	Pass
ANT2	802.11ac(VHT20)	5600	11.90	0.13	12.03	24	Pass
ANT2	802.11ac(VHT20)	5700.00	13.26	0.00	13.26	24	Pass
ANT2	802.11n(HT40)	5510	12.67	0.26	12.93	24	Pass
ANT2	802.11n(HT40)	5590	11.74	0.26	12.00	24	Pass
ANT2	802.11n(HT40)	5670	13.58	0.26	13.84	24	Pass
ANT2	802.11ac(VHT40)	5510	12.98	0.26	13.24	24	Pass
ANT2	802.11ac(VHT40)	5590	11.71	0.13	11.84	24	Pass
ANT2	802.11ac(VHT40)	5670	13.55	0.26	13.81	24	Pass
ANT2	802.11ac(VHT80)	5530	11.98	0.51	12.49	24	Pass
ANT2	802.11ac(VHT80)	5610	11.88	0.51	12.39	24	Pass
ANT2	802.11ax(HE20)	5500.00	12.03	0.13	12.16	24	Pass
ANT2	802.11ax(HE20)	5600.00	12.04	0.00	12.04	24	Pass
ANT2	802.11ax(HE20)	5700.00	12.15	0.13	12.28	24	Pass
ANT2	802.11ax(HE40)	5510.00	12.69	0.26	12.95	24	Pass
ANT2	802.11ax(HE40)	5590.00	11.78	0.26	12.04	24	Pass
ANT2	802.11ax(HE40)	5670.00	13.52	0.26	13.78	24	Pass
ANT2	802.11ax(HE80)	5530.00	12.05	0.51	12.56	24	Pass
ANT2	802.11ax(HE80)	5610.00	11.97	0.51	12.48	24	Pass

Condition	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	802.11a	5500	97.18	0.12
NVNT	802.11a	5600	98.60	0.00
NVNT	802.11a	5700.00	97.22	0.12
NVNT	802.11n(HT20)	5500	97.01	0.13
NVNT	802.11n(HT20)	5600	97.01	0.13
NVNT	802.11n(HT20)	5700.00	97.01	0.13
NVNT	802.11ac(VHT20)	5500	97.01	0.13
NVNT	802.11ac(VHT20)	5600	98.52	0.00
NVNT	802.11ac(VHT20)	5700.00	97.01	0.13
NVNT	802.11n(HT40)	5510	94.12	0.26
NVNT	802.11n(HT40)	5590	94.12	0.26
NVNT	802.11n(HT40)	5670	94.12	0.26
NVNT	802.11ac(VHT40)	5510	94.29	0.26
NVNT	802.11ac(VHT40)	5590	94.12	0.26
NVNT	802.11ac(VHT40)	5670	94.12	0.26
NVNT	802.11ac(VHT80)	5530	88.89	0.51
NVNT	802.11ac(VHT80)	5610	88.89	0.51
NVNT	802.11ax(HE20)	5500.00	97.01	0.13
NVNT	802.11ax(HE20)	5600.00	98.52	0.00
NVNT	802.11ax(HE20)	5700.00	97.06	0.13
NVNT	802.11ax(HE40)	5510.00	94.12	0.26
NVNT	802.11ax(HE40)	5590.00	94.12	0.26
NVNT	802.11ax(HE40)	5670.00	97.10	0.13
NVNT	802.11ax(HE80)	5530.00	88.89	0.51
NVNT	802.11ax(HE80)	5610.00	88.89	0.51

MIMO:

Antenna	Modulation	Frequency (MHz)	ANT1 Power(dBm)	ANT2 Power(dBm)	Total Power(dBm)	Limit (dBm)	Result
ANT1+2	802.11n(HT20)	5500	12.71	12.01	15.38	24	Pass
ANT1+2	802.11n(HT20)	5600	11.81	13.08	15.50	24	Pass
ANT1+2	802.11n(HT20)	5700.00	12.79	13.40	16.12	24	Pass
ANT1+2	802.11ac(VHT20)	5500	12.63	13.48	16.09	24	Pass
ANT1+2	802.11ac(VHT20)	5600	11.41	12.03	14.74	24	Pass
ANT1+2	802.11ac(VHT20)	5700.00	12.29	13.26	15.81	24	Pass
ANT1+2	802.11n(HT40)	5510	12.52	12.93	15.74	24	Pass
ANT1+2	802.11n(HT40)	5590	11.28	12.00	14.67	24	Pass
ANT1+2	802.11n(HT40)	5670	12.57	13.84	16.26	24	Pass
ANT1+2	802.11ac(VHT40)	5510	12.37	13.24	15.84	24	Pass
ANT1+2	802.11ac(VHT40)	5590	11.38	11.84	14.63	24	Pass
ANT1+2	802.11ac(VHT40)	5670	12.99	13.81	16.43	24	Pass
ANT1+2	802.11ac(VHT80)	5530	13.79	12.49	16.20	24	Pass
ANT1+2	802.11ac(VHT80)	5610	13.50	12.39	15.99	24	Pass
ANT1+2	802.11ax(HE20)	5500.00	12.68	12.16	15.44	24	Pass
ANT1+2	802.11ax(HE20)	5600.00	12.53	12.04	15.30	24	Pass
ANT1+2	802.11ax(HE20)	5700.00	12.83	12.28	15.57	24	Pass
ANT1+2	802.11ax(HE40)	5510.00	13.96	12.95	16.49	24	Pass
ANT1+2	802.11ax(HE40)	5590.00	13.01	12.04	15.56	24	Pass
ANT1+2	802.11ax(HE40)	5670.00	12.38	13.78	16.15	24	Pass
ANT1+2	802.11ax(HE80)	5530.00	12.71	12.56	15.65	24	Pass
ANT1+2	802.11ax(HE80)	5610.00	12.54	12.48	15.52	24	Pass

Band 4 (5725 – 5850 MHz) SISO:

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1	802.11a	5745.00	11.77	0.12	11.89	30	Pass
NVNT	ANT1	802.11a	5785.00	11.69	0.00	11.69	30	Pass
NVNT	ANT1	802.11a	5825.00	11.70	0.00	11.70	30	Pass
NVNT	ANT1	802.11n(HT20)	5745.00	11.74	0.13	11.87	30	Pass
NVNT	ANT1	802.11n(HT20)	5785.00	11.44	0.00	11.44	30	Pass
NVNT	ANT1	802.11n(HT20)	5825.00	11.38	0.13	11.51	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5745.00	12.46	0.13	12.59	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5785.00	11.42	0.13	11.55	30	Pass
NVNT	ANT1	802.11ac(VHT20)	5825.00	11.21	0.00	11.21	30	Pass
NVNT	ANT1	802.11ax(HE20)	5745.00	11.16	0.13	11.29	30	Pass
NVNT	ANT1	802.11ax(HE20)	5785.00	11.54	0.13	11.67	30	Pass
NVNT	ANT1	802.11ax(HE20)	5825.00	11.20	0.13	11.33	30	Pass
NVNT	ANT1	802.11n(HT40)	5755.00	11.35	0.26	11.61	30	Pass
NVNT	ANT1	802.11n(HT40)	5795.00	10.92	0.26	11.18	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5755.00	11.35	0.26	11.61	30	Pass
NVNT	ANT1	802.11ac(VHT40)	5795.00	11.35	0.26	11.61	30	Pass
NVNT	ANT1	802.11ax(HE40)	5755.00	11.47	0.26	11.73	30	Pass
NVNT	ANT1	802.11ax(HE40)	5795.00	10.80	0.26	11.06	30	Pass
NVNT	ANT1	802.11ac(VHT80)	5775.00	10.85	0.51	11.36	30	Pass
NVNT	ANT1	802.11ax(HE80)	5775.00	10.89	0.51	11.40	30	Pass

Condition	Antenna	Modulation	Frequency (MHz)	Conducted Power(dBm)	Duty factor(dB)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT2	802.11a	5745.00	11.46	0.12	11.58	30	Pass
NVNT	ANT2	802.11a	5785.00	11.23	0.00	11.23	30	Pass
NVNT	ANT2	802.11a	5825.00	10.97	0.00	10.97	30	Pass
NVNT	ANT2	802.11n(HT20)	5745.00	11.87	0.13	12.00	30	Pass
NVNT	ANT2	802.11n(HT20)	5785.00	11.22	0.00	11.22	30	Pass
NVNT	ANT2	802.11n(HT20)	5825.00	10.82	0.13	10.95	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5745.00	11.14	0.13	11.27	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5785.00	11.10	0.13	11.23	30	Pass
NVNT	ANT2	802.11ac(VHT20)	5825.00	10.97	0.00	10.97	30	Pass
NVNT	ANT2	802.11ax(HE20)	5745.00	11.36	0.13	11.49	30	Pass
NVNT	ANT2	802.11ax(HE20)	5785.00	11.05	0.13	11.18	30	Pass
NVNT	ANT2	802.11ax(HE20)	5825.00	10.85	0.13	10.98	30	Pass
NVNT	ANT2	802.11n(HT40)	5755.00	11.22	0.26	11.48	30	Pass
NVNT	ANT2	802.11n(HT40)	5795.00	10.79	0.26	11.05	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5755.00	11.26	0.26	11.52	30	Pass
NVNT	ANT2	802.11ac(VHT40)	5795.00	11.28	0.26	11.54	30	Pass
NVNT	ANT2	802.11ax(HE40)	5755.00	10.88	0.26	11.14	30	Pass
NVNT	ANT2	802.11ax(HE40)	5795.00	10.82	0.26	11.08	30	Pass
NVNT	ANT2	802.11ac(VHT80)	5775.00	10.91	0.51	11.42	30	Pass
NVNT	ANT2	802.11ax(HE80)	5775.00	10.88	0.51	11.39	30	Pass

Condition	Modulation	Frequency (MHz)	Duty cycle(%)	Duty_factor
NVNT	802.11a	5745.00	97.18	0.12
NVNT	802.11a	5785.00	98.60	0.00
NVNT	802.11a	5825.00	98.60	0.00
NVNT	802.11n(HT20)	5745.00	97.01	0.13
NVNT	802.11n(HT20)	5785.00	98.52	0.00
NVNT	802.11n(HT20)	5825.00	97.01	0.13
NVNT	802.11ac(VHT20)	5745.00	97.01	0.13
NVNT	802.11ac(VHT20)	5785.00	97.01	0.13
NVNT	802.11ac(VHT20)	5825.00	98.52	0.00
NVNT	802.11ax(HE20)	5745.00	97.01	0.13
NVNT	802.11ax(HE20)	5785.00	97.01	0.13
NVNT	802.11ax(HE20)	5825.00	97.01	0.13
NVNT	802.11n(HT40)	5755.00	94.12	0.26
NVNT	802.11n(HT40)	5795.00	94.12	0.26
NVNT	802.11ac(VHT40)	5755.00	94.12	0.26
NVNT	802.11ac(VHT40)	5795.00	94.12	0.26
NVNT	802.11ax(HE40)	5755.00	94.12	0.26
NVNT	802.11ax(HE40)	5795.00	94.12	0.26
NVNT	802.11ac(VHT80)	5775.00	88.89	0.51
NVNT	802.11ax(HE80)	5775.00	88.89	0.51

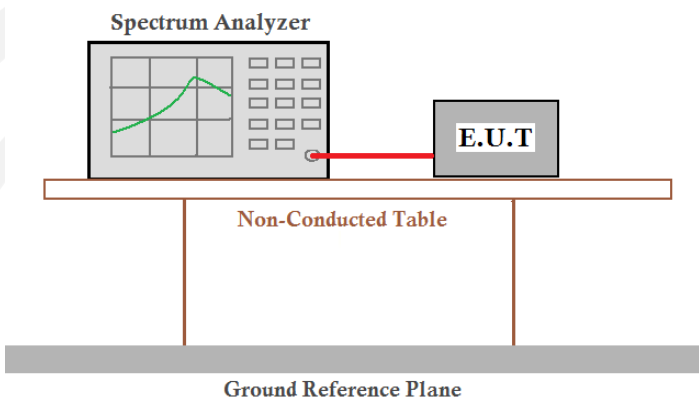
MIMO:

Condition	Antenna	Modulation	Frequency (MHz)	ANT1 Power(dBm)	ANT2 Power(dBm)	Total Power(dBm)	limit(dBm)	Result
NVNT	ANT1+2	802.11n(HT20)	5745.00	11.87	12.00	14.95	30	Pass
NVNT	ANT1+2	802.11n(HT20)	5785.00	11.44	11.22	14.34	30	Pass
NVNT	ANT1+2	802.11n(HT20)	5825.00	11.51	10.95	14.25	30	Pass
NVNT	ANT1+2	802.11ac(VHT20)	5745.00	12.59	11.27	14.99	30	Pass
NVNT	ANT1+2	802.11ac(VHT20)	5785.00	11.55	11.23	14.40	30	Pass
NVNT	ANT1+2	802.11ac(VHT20)	5825.00	11.21	10.97	14.10	30	Pass
NVNT	ANT1+2	802.11ax(HE20)	5745.00	11.29	11.49	14.40	30	Pass
NVNT	ANT1+2	802.11ax(HE20)	5785.00	11.67	11.18	14.44	30	Pass
NVNT	ANT1+2	802.11ax(HE20)	5825.00	11.33	10.98	14.17	30	Pass
NVNT	ANT1+2	802.11n(HT40)	5755.00	11.61	11.48	14.56	30	Pass
NVNT	ANT1+2	802.11n(HT40)	5795.00	11.18	11.05	14.13	30	Pass
NVNT	ANT1+2	802.11ac(VHT40)	5755.00	11.61	11.52	14.58	30	Pass
NVNT	ANT1+2	802.11ac(VHT40)	5795.00	11.61	11.54	14.59	30	Pass
NVNT	ANT1+2	802.11ax(HE40)	5755.00	11.73	11.14	14.46	30	Pass
NVNT	ANT1+2	802.11ax(HE40)	5795.00	11.06	11.08	14.08	30	Pass
NVNT	ANT1+2	802.11ac(VHT80)	5775.00	11.36	11.42	14.40	30	Pass
NVNT	ANT1+2	802.11ax(HE80)	5775.00	11.40	11.39	14.41	30	Pass

Note: The measure-and-sum technique shall be used for measuring in-band transmit power of a device. Total power is the sum of the conducted power levels measured at the various output ports.

(First measure the power (mW) of each antenna separately, and the total power is equal to Ant1mW + Ant2mW+....)

4.5 Power Spectral Density

Test Requirement:	FCC Part15 E Section 15.407, RSS-247 §6.2
Test Method:	KDB 789033 D02 General UNII Test Procedures New Rules v02r01
Limit:	FCC: 1. $\leq 11.00 \text{ dBm/MHz}$ for 5150MHz-5250MHz, 5250-5350MHz and 5470-5725 MHz 2. $\leq 30.00 \text{ dBm/500KHz}$ for 5725MHz-5850MHz IC: 1. For the 5.15-5.25 GHz, The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band. 2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.
Test setup:	 The diagram illustrates the test setup. A Spectrum Analyzer is connected to an E.U.T. (Equipment Under Test) via a red cable. Both the Spectrum Analyzer and the E.U.T. are placed on a Non-Conducted Table. The table is supported by a Ground Reference Plane.
Test procedure:	1) Create an average power spectrum for the EUT operating mode being tested by following the instructions in section E)2) for measuring maximum conducted output power using a spectrum analyzer or EMI receiver: select the appropriate test method (SA-1, SA-2, SA-3, or alternatives to each) and apply it up to, but not including, the step labeled, "Compute power...". 2) Use the peak search function on the instrument to find the peak of the spectrum. 3) Make the following adjustments to the peak value of the spectrum, if applicable: a) If Method SA-2 or SA-2 Alternative was used, add $10 \log(1/x)$, where x is the duty cycle, to the peak of the spectrum. b) If Method SA-3 Alternative was used and the linear mode was used in step E)2)g)(viii), add 1 dB to the final result to compensate for the difference between linear averaging and power averaging. 4) The result is the PSD.
Test Instruments:	Refer to section 3.0 for details
Test mode:	Refer to section 2.2 for details
Test results:	Pass

Measurement Data**Band 1 (5150-5250 MHz) SISO:**

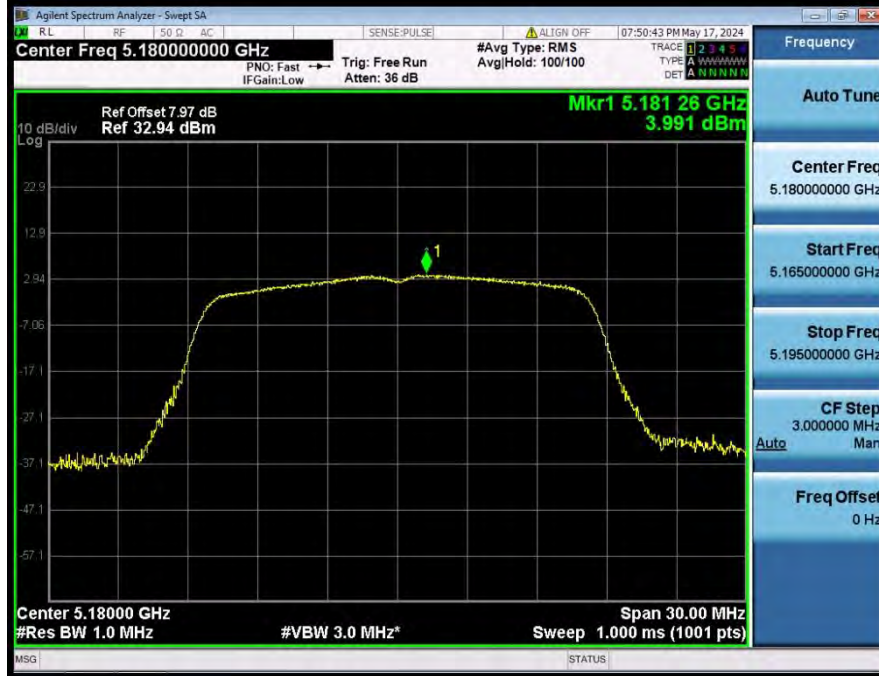
Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	FCC Limit (dBm)	IC Limit (dBm)	Result
ANT1	802.11a	5180.00	3.99	0.47	4.46	11	10	Pass
ANT1	802.11a	5200.00	3.57	0.41	3.98	11	10	Pass
ANT1	802.11a	5240.00	4.06	0.47	4.53	11	10	Pass
ANT1	802.11n(HT20)	5180.00	3.40	0.56	3.96	11	10	Pass
ANT1	802.11n(HT20)	5200.00	2.77	0.49	3.26	11	10	Pass
ANT1	802.11n(HT20)	5240.00	3.33	0.55	3.88	11	10	Pass
ANT1	802.11ac(VHT20)	5180.00	2.79	0.48	3.27	11	10	Pass
ANT1	802.11ac(VHT20)	5200.00	2.65	0.55	3.20	11	10	Pass
ANT1	802.11ac(VHT20)	5240.00	3.34	0.14	3.48	11	10	Pass
ANT1	802.11n(HT40)	5190.00	0.04	0.91	0.95	11	10	Pass
ANT1	802.11n(HT40)	5230.00	-0.03	0.94	0.91	11	10	Pass
ANT1	802.11ac(VHT40)	5190.00	0.18	1.06	1.24	11	10	Pass
ANT1	802.11ac(VHT40)	5230.00	-0.07	1.06	0.99	11	10	Pass
ANT1	802.11ac(VHT80)	5210.00	-0.36	1.66	1.30	11	10	Pass
ANT1	802.11ax(HE20)	5180.00	2.87	0.55	3.42	11	10	Pass
ANT1	802.11ax(HE20)	5200.00	2.41	0.62	3.03	11	10	Pass
ANT1	802.11ax(HE20)	5240.00	2.88	0.55	3.43	11	10	Pass
ANT1	802.11ax(HE40)	5190.00	0.29	1.06	1.35	11	10	Pass
ANT1	802.11ax(HE40)	5230.00	-0.38	0.91	0.53	11	10	Pass
ANT1	802.11ax(HE80)	5210.00	-4.52	1.66	-2.86	11	10	Pass

Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	FCC Limit (dBm)	IC Limit (dBm)	Result
ANT2	802.11a	5180.00	2.45	0.47	2.92	11	10	Pass
ANT2	802.11a	5200.00	2.18	0.41	2.59	11	10	Pass
ANT2	802.11a	5240.00	2.53	0.47	3.00	11	10	Pass
ANT2	802.11n(HT20)	5180.00	1.34	0.56	1.90	11	10	Pass
ANT2	802.11n(HT20)	5200.00	1.25	0.49	1.74	11	10	Pass
ANT2	802.11n(HT20)	5240.00	1.32	0.55	1.87	11	10	Pass
ANT2	802.11ac(VHT20)	5180.00	1.02	0.48	1.50	11	10	Pass
ANT2	802.11ac(VHT20)	5200.00	1.28	0.55	1.83	11	10	Pass
ANT2	802.11ac(VHT20)	5240.00	1.41	0.14	1.55	11	10	Pass
ANT2	802.11n(HT40)	5190.00	-1.79	0.91	-0.88	11	10	Pass
ANT2	802.11n(HT40)	5230.00	-1.59	0.94	-0.65	11	10	Pass
ANT2	802.11ac(VHT40)	5190.00	-1.62	1.06	-0.56	11	10	Pass
ANT2	802.11ac(VHT40)	5230.00	-1.58	1.06	-0.52	11	10	Pass
ANT2	802.11ac(VHT80)	5210.00	-5.33	1.66	-3.67	11	10	Pass
ANT2	802.11ax(HE20)	5180.00	1.03	0.55	1.58	11	10	Pass
ANT2	802.11ax(HE20)	5200.00	1.56	0.62	2.18	11	10	Pass
ANT2	802.11ax(HE20)	5240.00	1.60	0.55	2.15	11	10	Pass
ANT2	802.11ax(HE40)	5190.00	-1.70	1.06	-0.64	11	10	Pass
ANT2	802.11ax(HE40)	5230.00	-1.37	0.91	-0.46	11	10	Pass
ANT2	802.11ax(HE80)	5210.00	-5.45	1.66	-3.79	11	10	Pass

MIMO:

Antenna	Modulation	Frequency (MHz)	ANT1 (dBm/MHz)	ANT2 (dBm/MHz)	Total PSD(dBm/MHz)	FCC Limit (dBm)	IC Limit (dBm)	Result
ANT1+2	802.11n(HT20)	5745.00	3.96	1.90	6.06	11	10	Pass
ANT1+2	802.11n(HT20)	5785.00	3.26	1.74	5.58	11	10	Pass
ANT1+2	802.11n(HT20)	5825.00	3.88	1.87	6.00	11	10	Pass
ANT1+2	802.11ac(VHT20)	5745.00	3.27	1.50	5.48	11	10	Pass
ANT1+2	802.11ac(VHT20)	5785.00	3.20	1.83	5.58	11	10	Pass
ANT1+2	802.11ac(VHT20)	5825.00	3.48	1.55	5.63	11	10	Pass
ANT1+2	802.11ax(HE20)	5745.00	0.95	-0.88	3.14	11	10	Pass
ANT1+2	802.11ax(HE20)	5785.00	0.91	-0.65	3.21	11	10	Pass
ANT1+2	802.11ax(HE20)	5825.00	1.24	-0.56	3.44	11	10	Pass
ANT1+2	802.11n(HT40)	5755.00	0.99	-0.52	3.31	11	10	Pass
ANT1+2	802.11n(HT40)	5795.00	1.30	-3.67	2.50	11	10	Pass
ANT1+2	802.11ac(VHT40)	5755.00	3.42	1.58	5.61	11	10	Pass
ANT1+2	802.11ac(VHT40)	5795.00	3.03	2.18	5.64	11	10	Pass
ANT1+2	802.11ax(HE40)	5755.00	3.43	2.15	5.85	11	10	Pass
ANT1+2	802.11ax(HE40)	5795.00	1.35	-0.64	3.48	11	10	Pass
ANT1+2	802.11ac(VHT80)	5775.00	0.53	-0.46	3.07	11	10	Pass
ANT1+2	802.11ax(HE80)	5775.00	-2.86	-3.79	-0.29	11	10	Pass

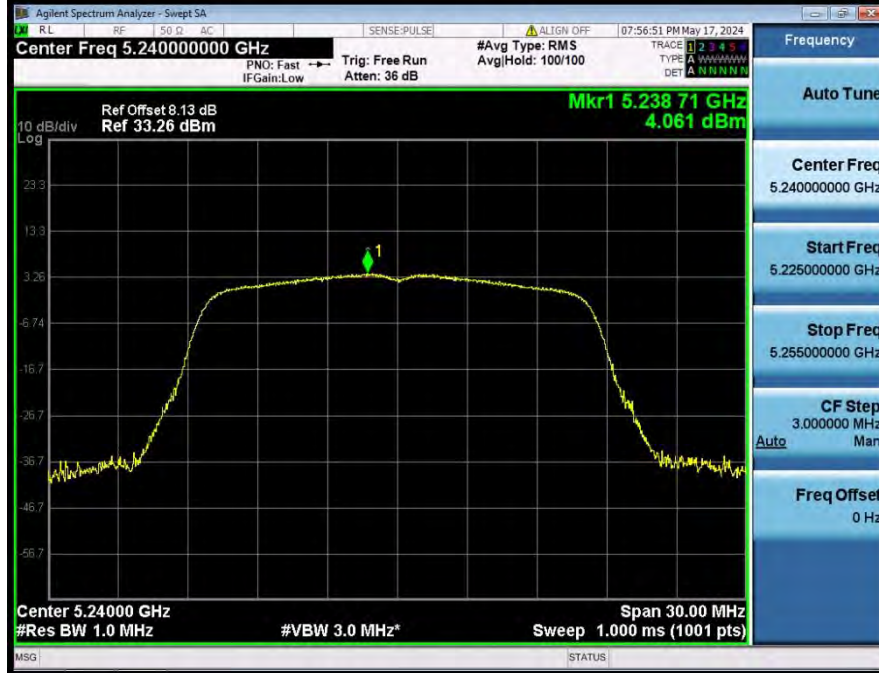
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Power Spectral Density NVNT_ANT1_802_11a_5200



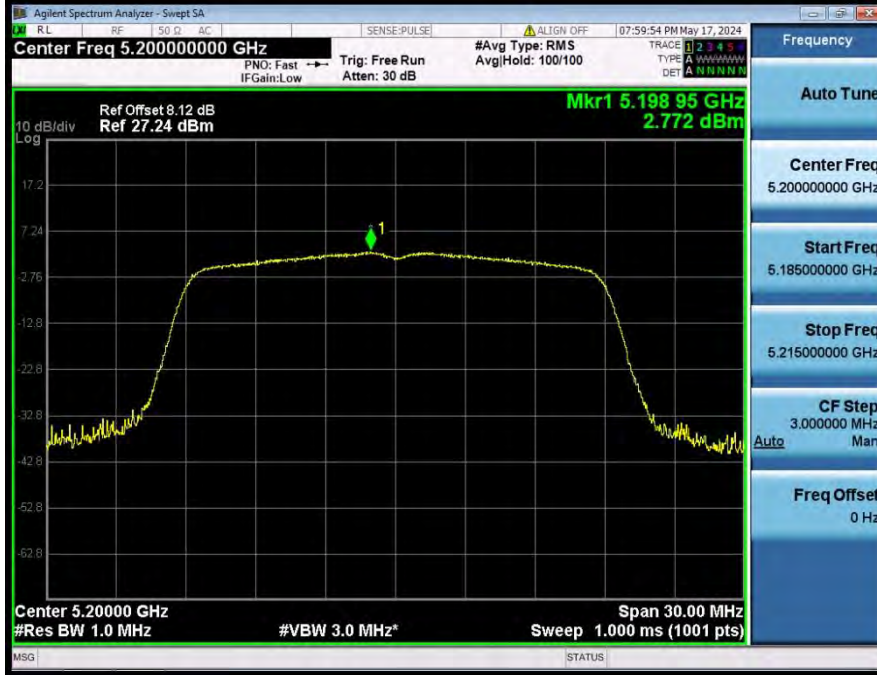
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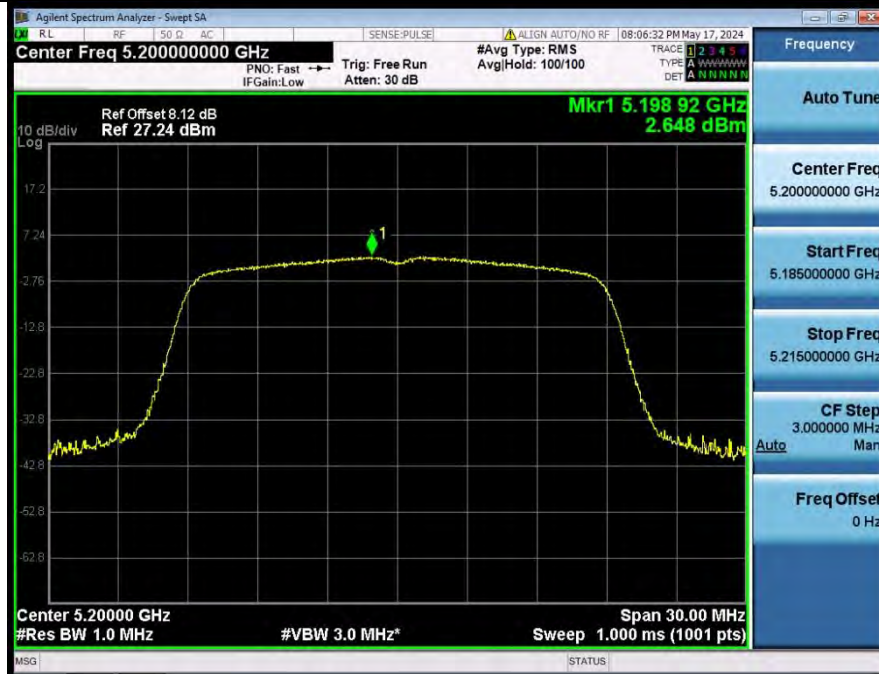
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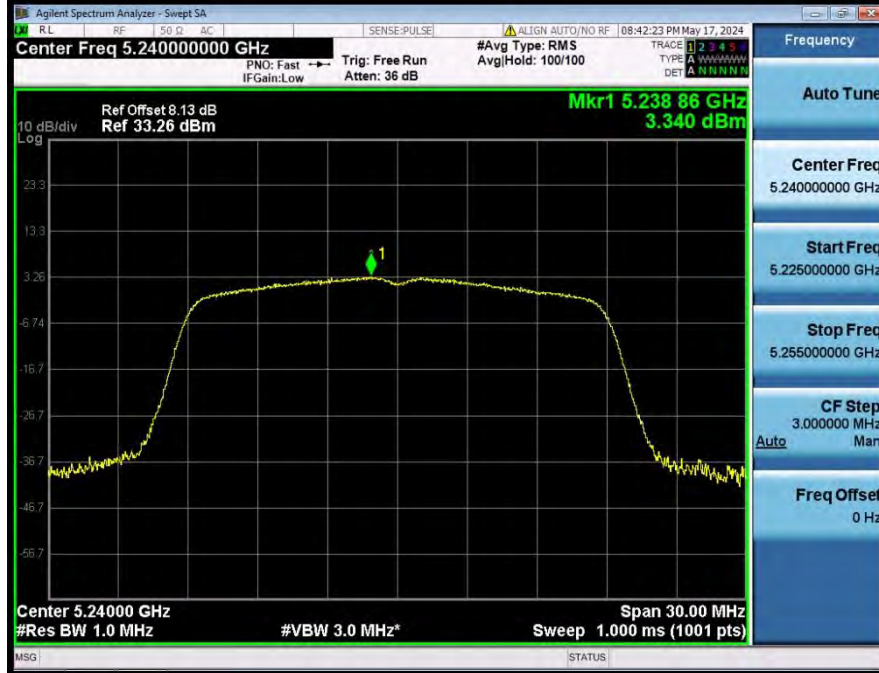
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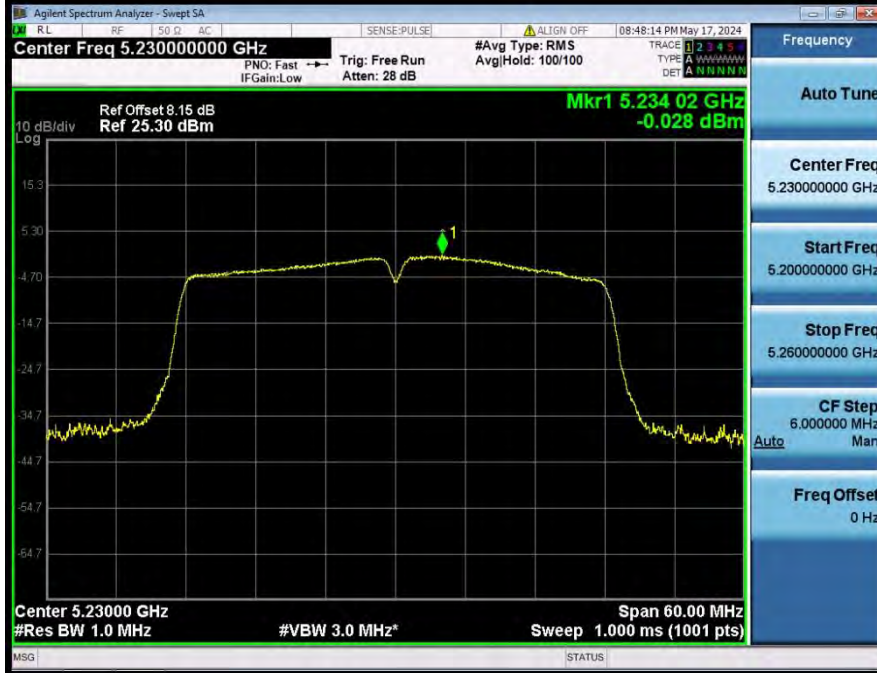
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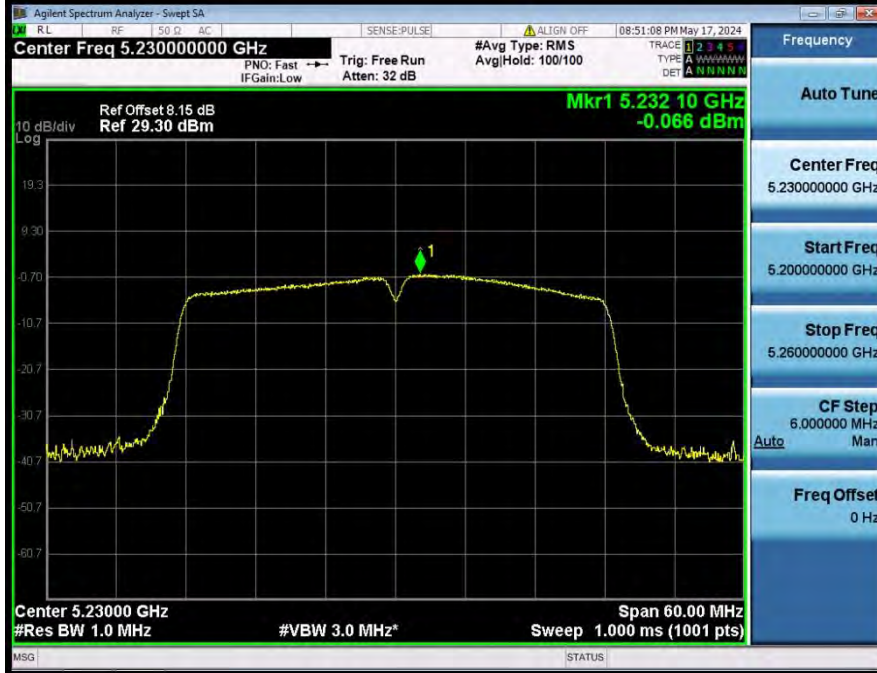
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Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5190



Power Spectral Density NVNT_ANT1_802_11ac(VHT40)_5230



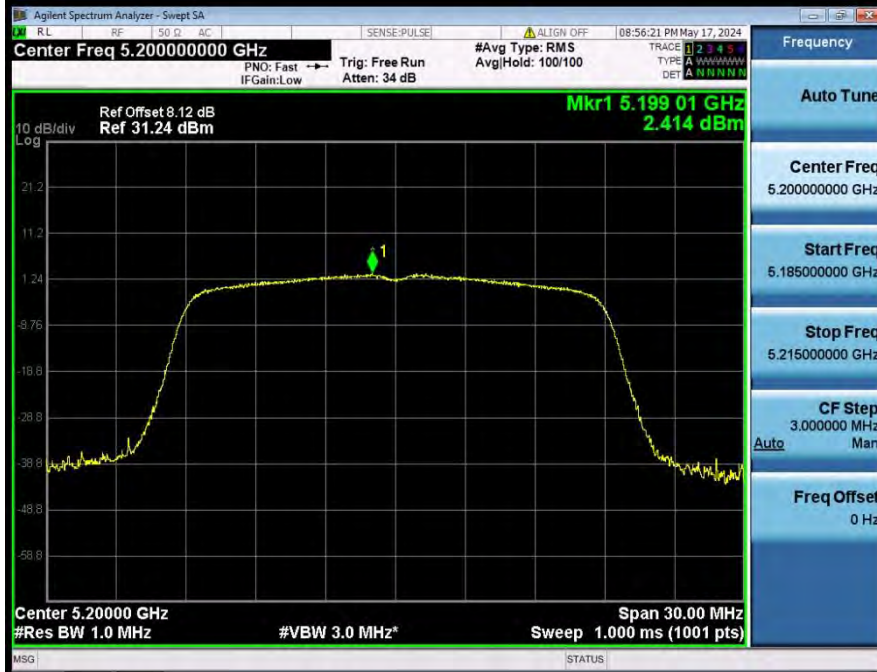
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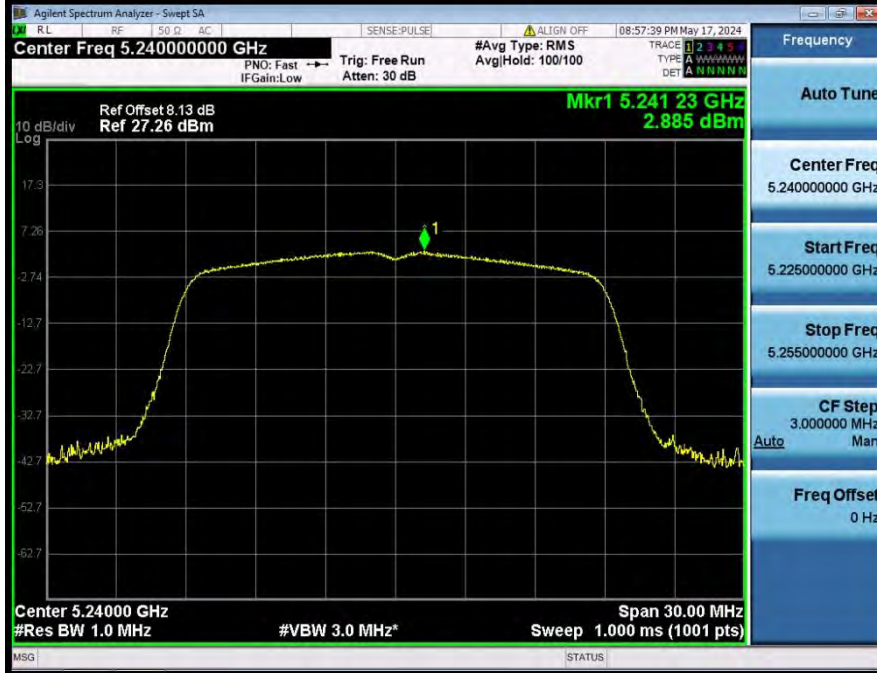
Power Spectral Density NVNT_ANT1_802_11ax(HE20)_5180



Power Spectral Density NVNT_ANT1_802_11ax(HE20)_5200



Power Spectral Density NVNT_ANT1_802_11ax(HE20)_5240



Power Spectral Density NVNT_ANT1_802_11ax(HE40)_5190

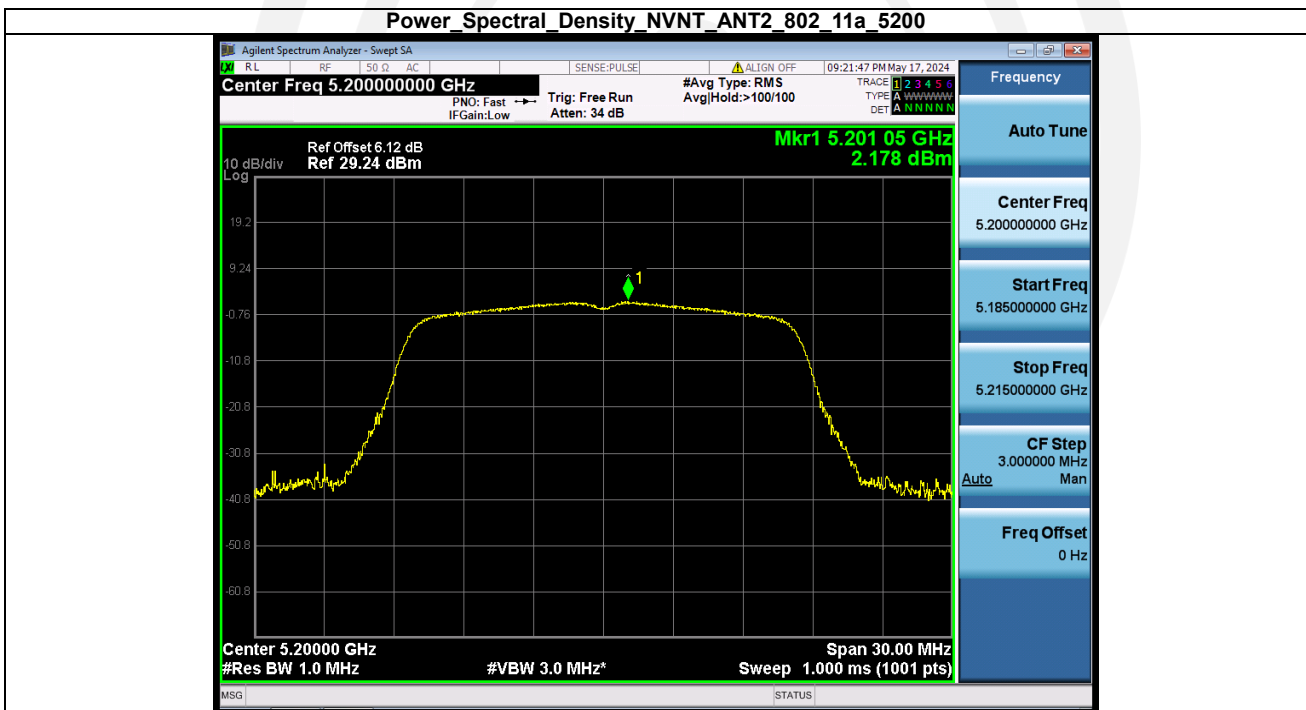
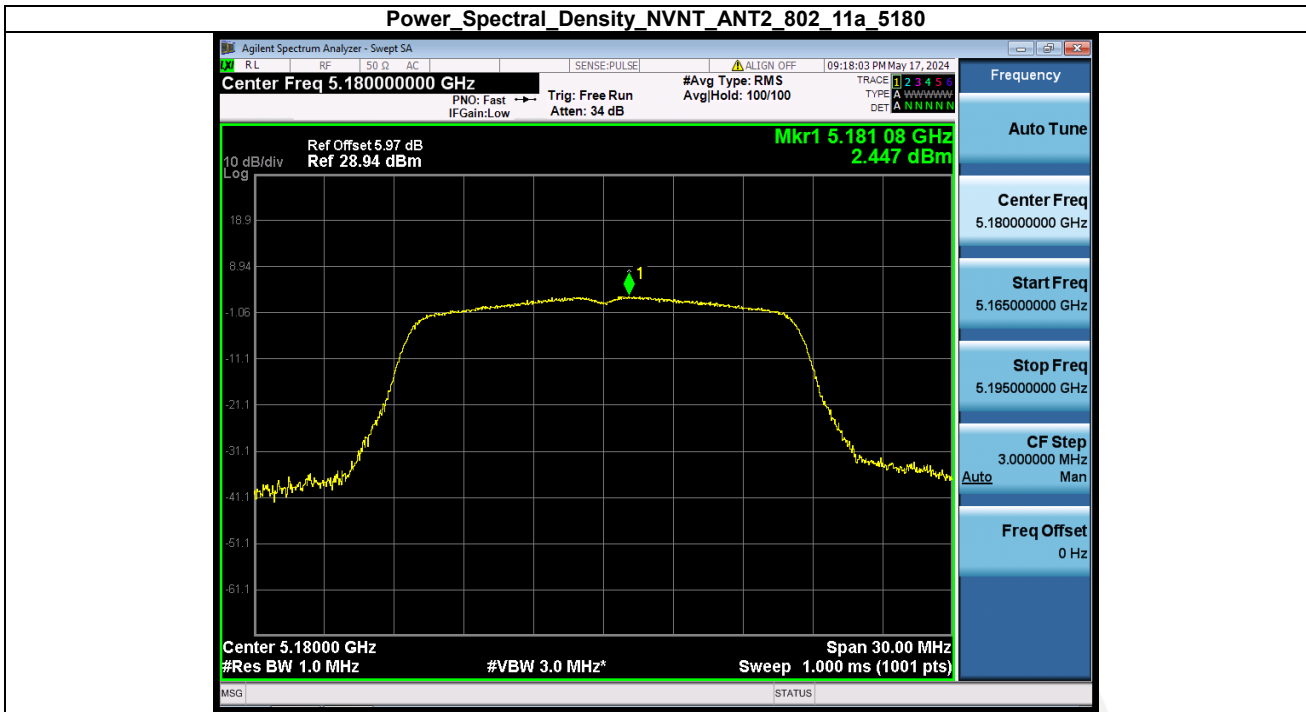


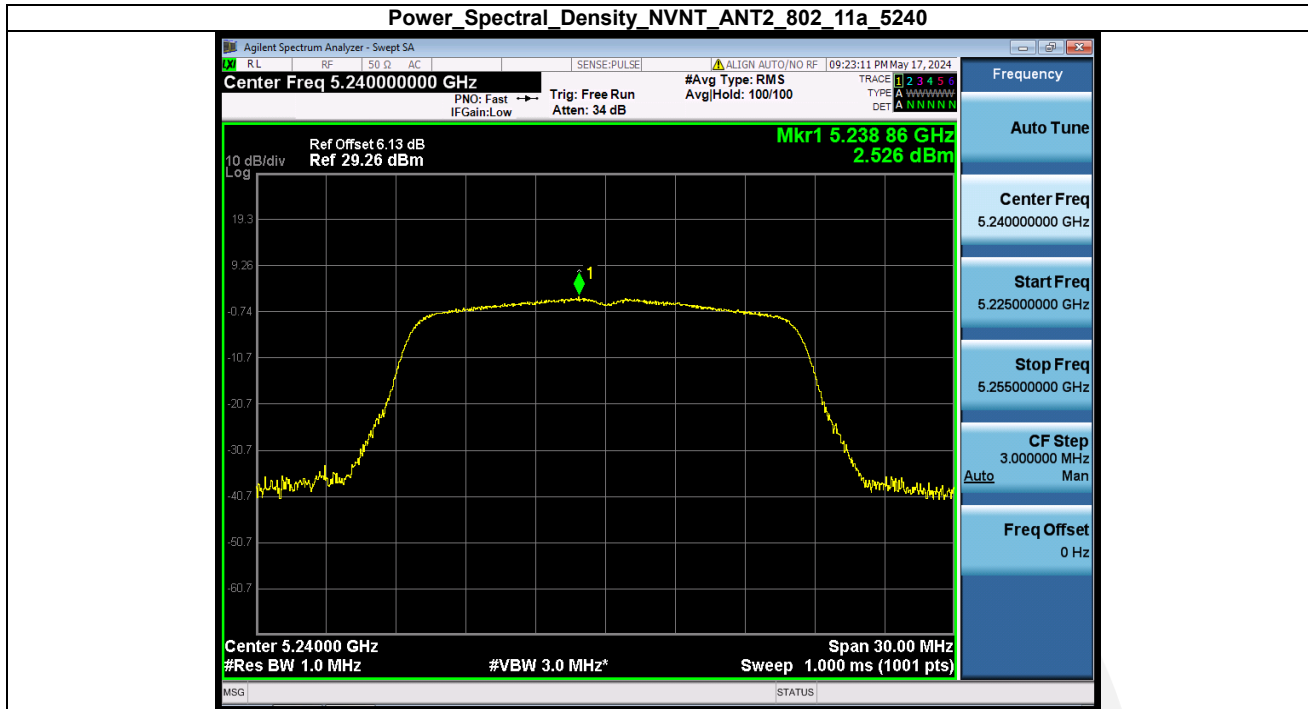
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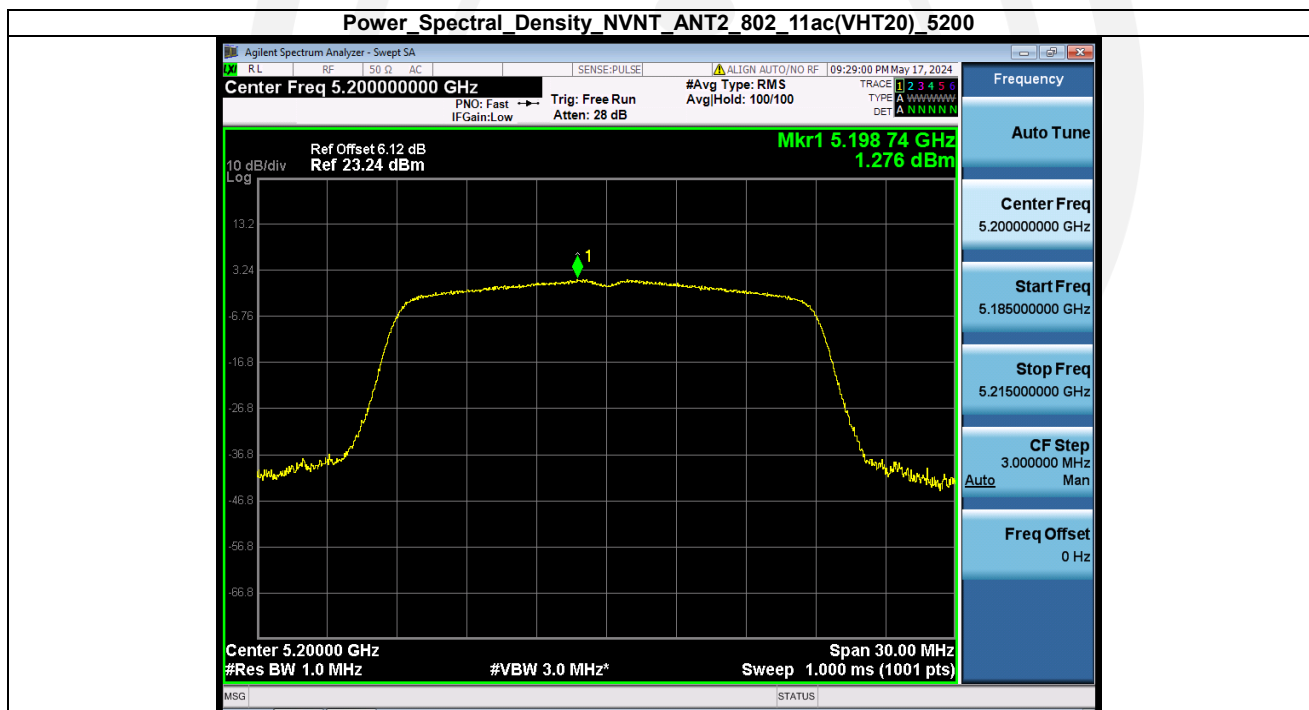
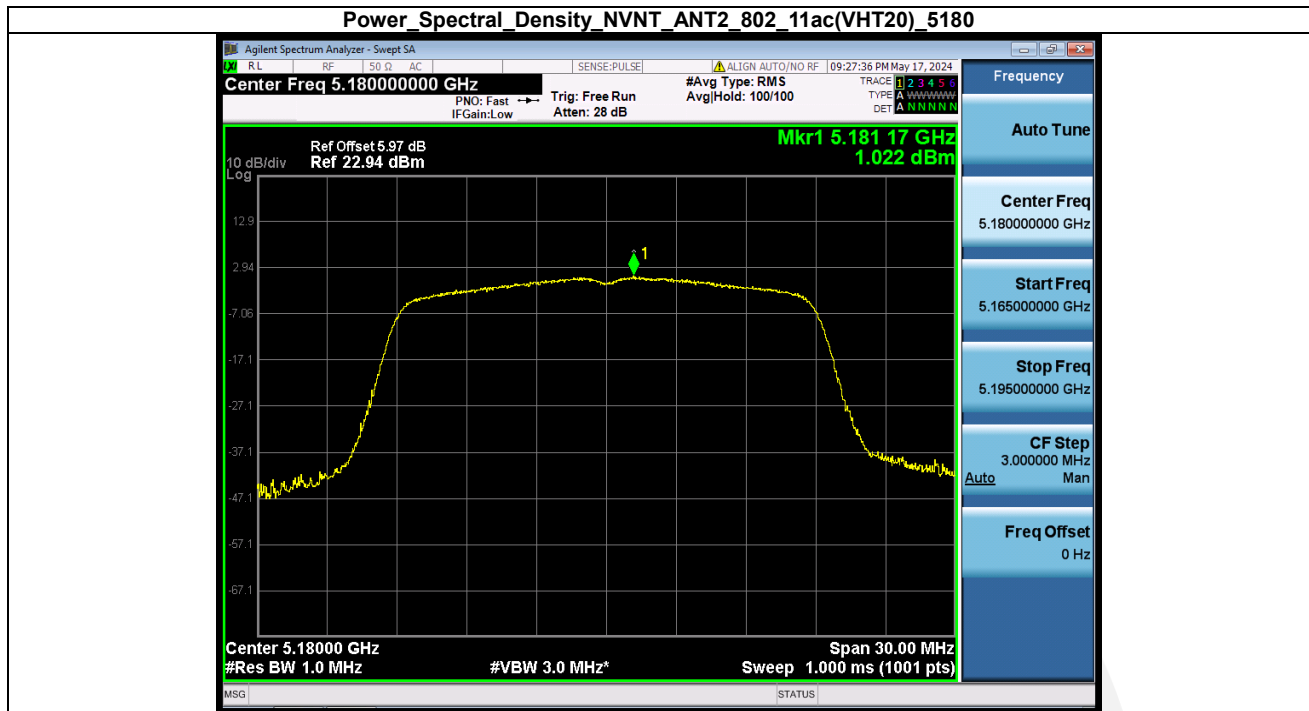


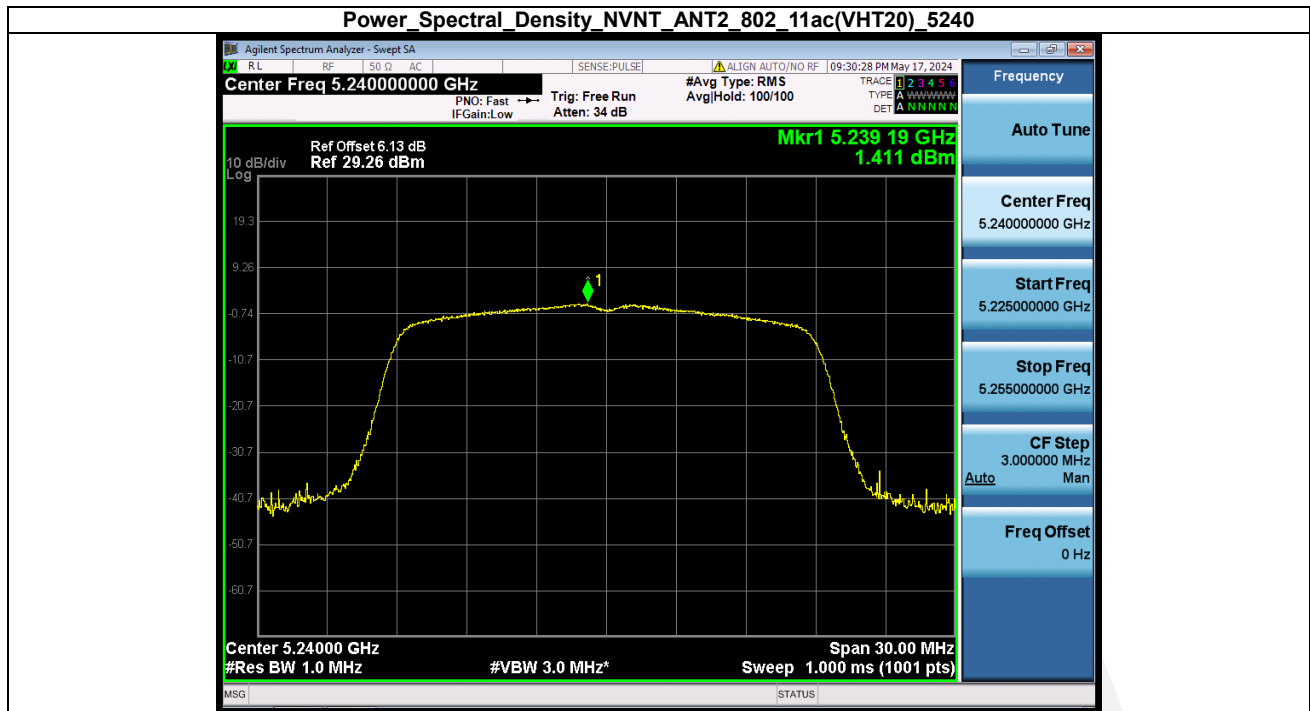
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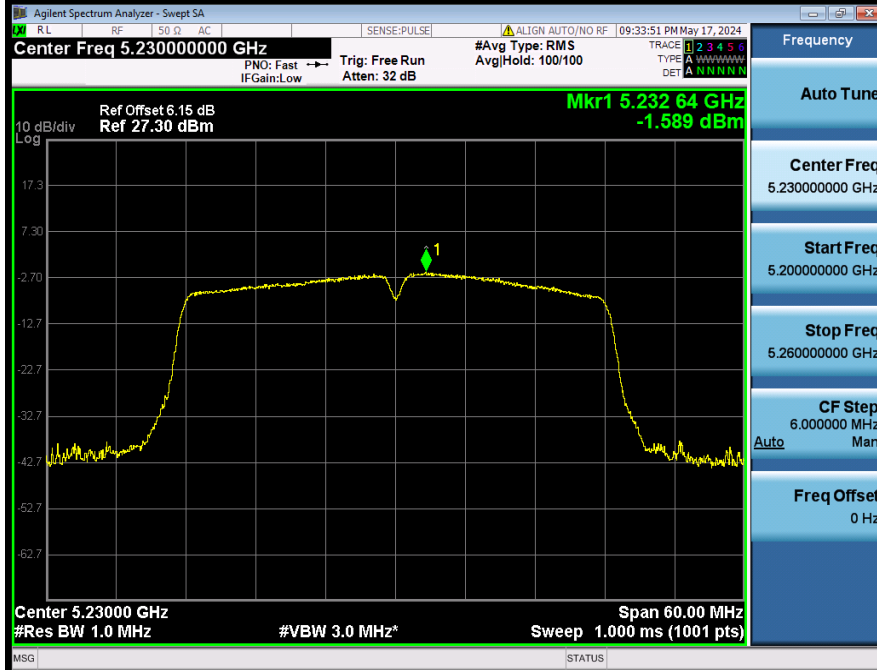




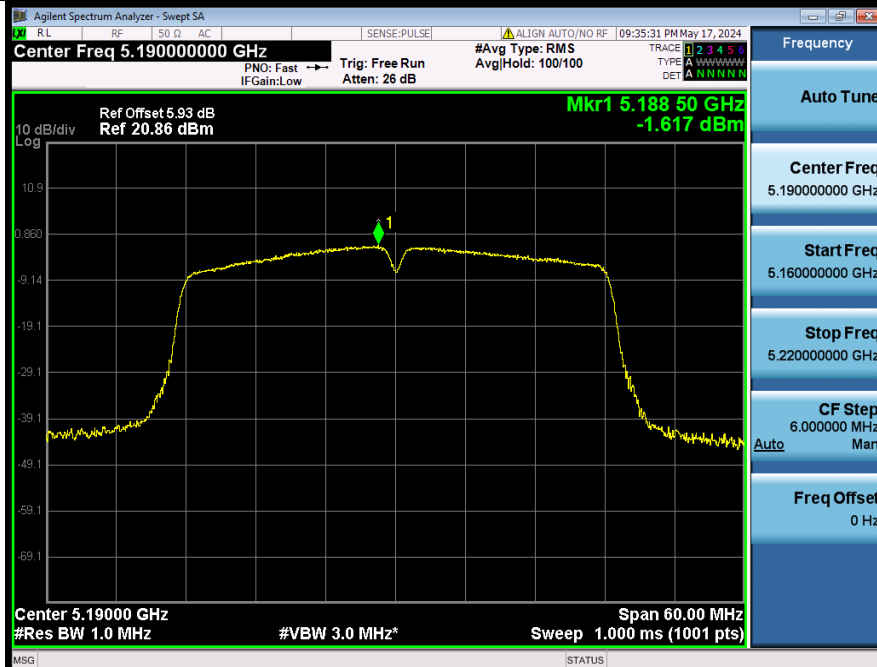


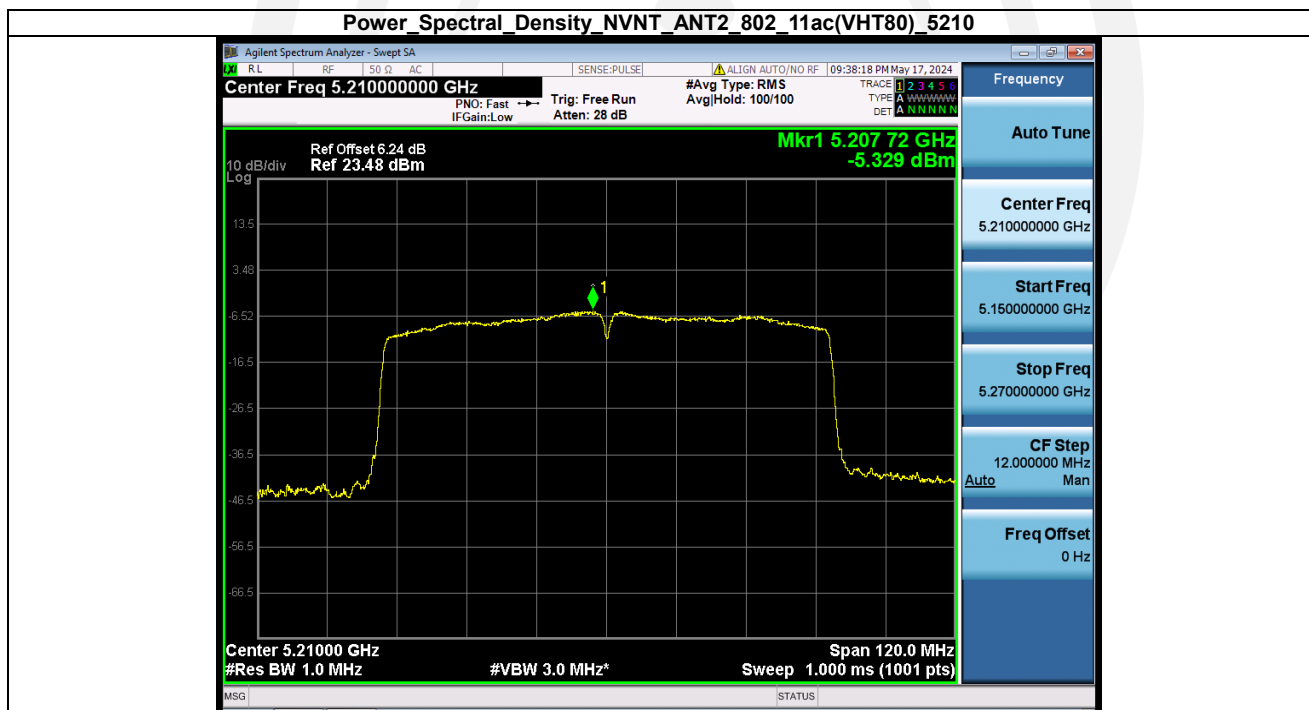
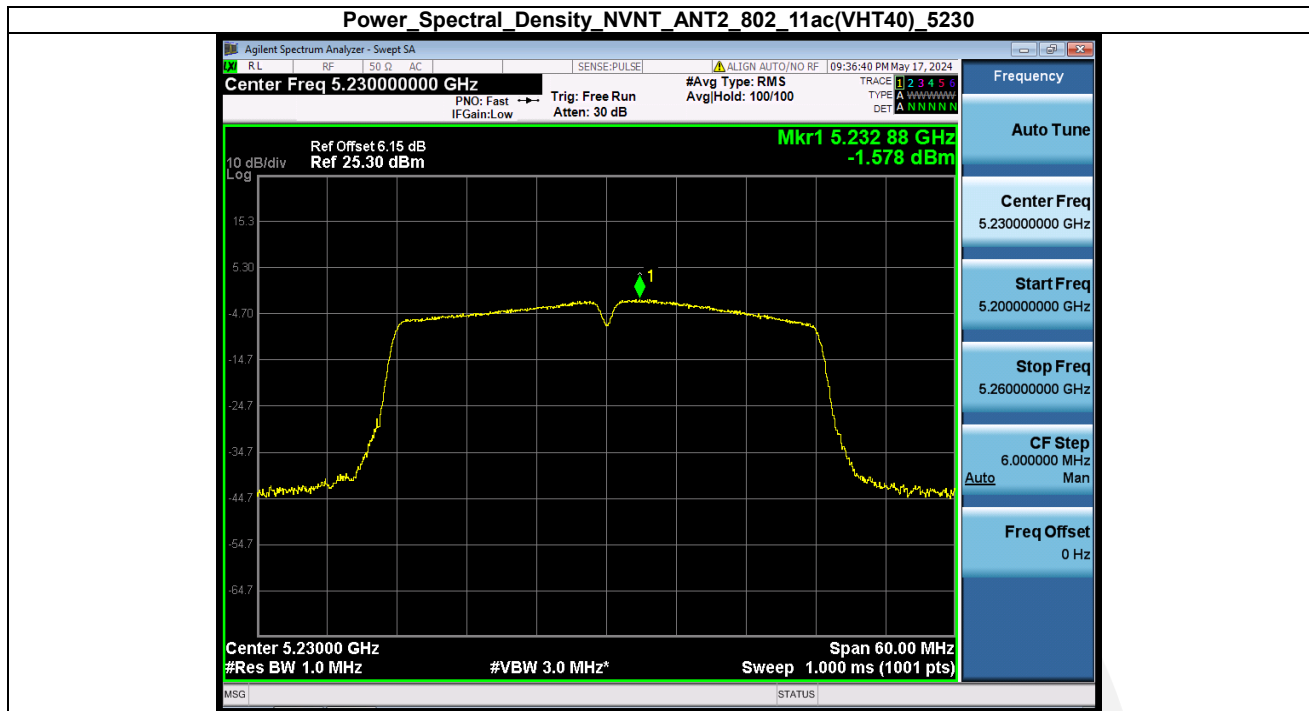


Power Spectral Density NVNT_ANT2_802_11n(HT40)_5230

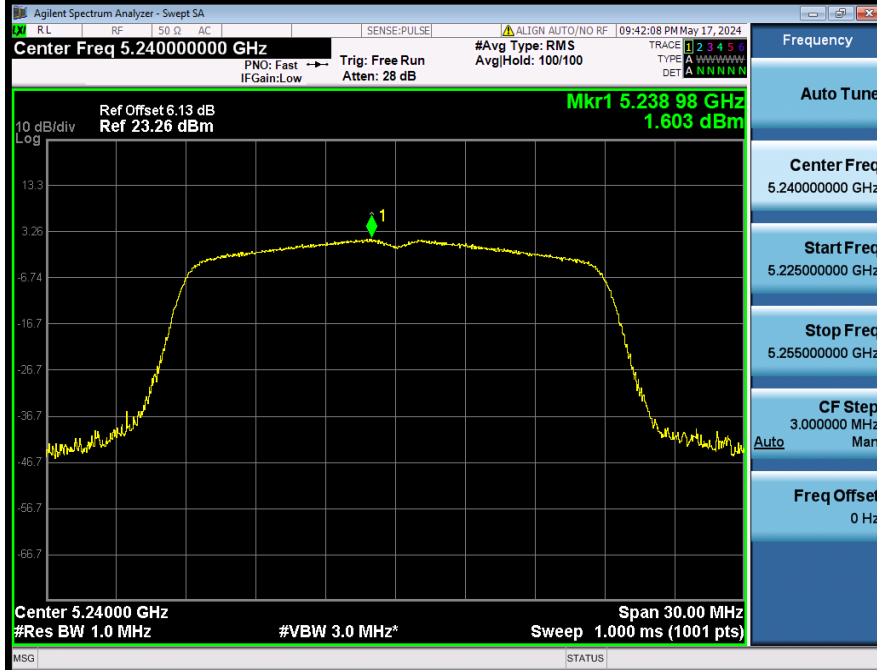


Power Spectral Density NVNT_ANT2_802_11ac(VHT40)_5190





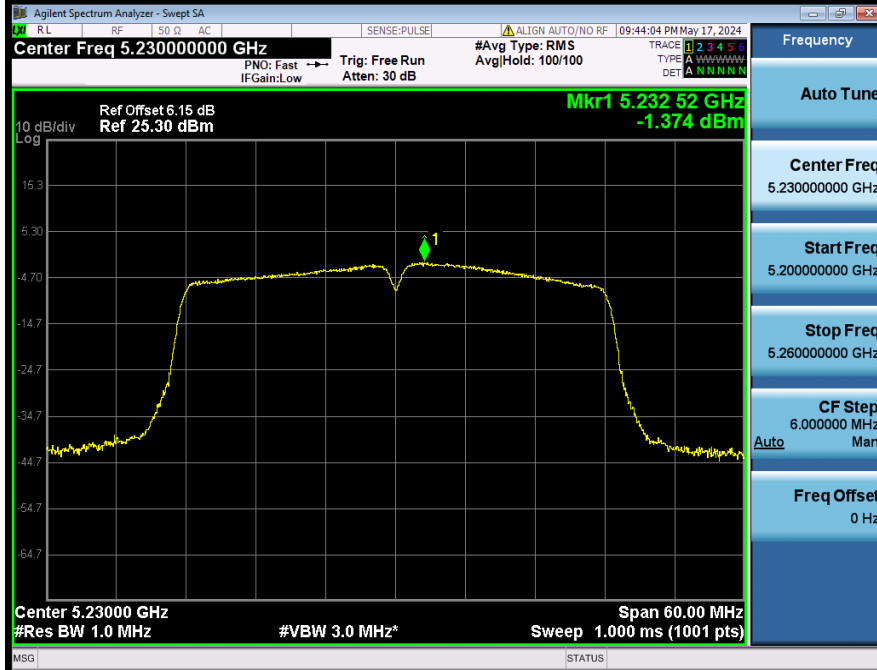
Power Spectral Density NVNT_ANT2_802_11ax(HE20)_5240



Power Spectral Density NVNT_ANT2_802_11ax(HE40)_5190



Power Spectral Density NVNT_ANT2_802_11ax(HE40)_5230



Power Spectral Density NVNT_ANT2_802_11ax(HE80)_5210



Band 2 (5260-5320 MHz) SISO:

Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
ANT1	802.11a	5260.00	2.62	0.12	2.74	11	Pass
ANT1	802.11a	5300.00	1.84	0.12	1.96	11	Pass
ANT1	802.11a	5320.00	1.84	0.00	1.84	11	Pass
ANT1	802.11n(HT20)	5260.00	2.07	0.13	2.20	11	Pass
ANT1	802.11n(HT20)	5300.00	3.11	0.13	3.24	11	Pass
ANT1	802.11n(HT20)	5320.00	3.17	0.00	3.17	11	Pass
ANT1	802.11ac(VHT20)	5260.00	2.16	0.13	2.29	11	Pass
ANT1	802.11ac(VHT20)	5300.00	3.19	0.13	3.32	11	Pass
ANT1	802.11ac(VHT20)	5320.00	3.50	0.13	3.63	11	Pass
ANT1	802.11n(HT40)	5270.00	0.65	0.13	0.78	11	Pass
ANT1	802.11n(HT40)	5310.00	-0.74	0.00	-0.74	11	Pass
ANT1	802.11ac(VHT40)	5270.00	0.54	0.26	0.80	11	Pass
ANT1	802.11ac(VHT40)	5310.00	0.30	0.26	0.56	11	Pass
ANT1	802.11ac(VHT80)	5290.00	-3.21	0.51	-2.70	11	Pass
ANT1	802.11ax(HE20)	5260.00	3.31	0.00	3.31	11	Pass
ANT1	802.11ax(HE20)	5300.00	3.69	0.13	3.82	11	Pass
ANT1	802.11ax(HE20)	5320.00	3.42	0.13	3.55	11	Pass
ANT1	802.11ax(HE40)	5270.00	0.33	0.13	0.46	11	Pass
ANT1	802.11ax(HE40)	5310.00	0.24	0.26	0.50	11	Pass
ANT1	802.11ax(HE80)	5290.00	-3.15	0.51	-2.64	11	Pass

Antenna	Modulation	Frequency (MHz)	PSD(dBm/MHz)	Duty factor(dB)	Total PSD(dBm/MHz)	limit(dBm)	Result
ANT2	802.11a	5260.00	3.15	0.12	3.27	11	Pass
ANT2	802.11a	5300.00	3.03	0.12	3.15	11	Pass
ANT2	802.11a	5320.00	2.97	0.12	3.09	11	Pass
ANT2	802.11n(HT20)	5260.00	2.28	0.13	2.41	11	Pass
ANT2	802.11n(HT20)	5300.00	2.36	0.00	2.36	11	Pass
ANT2	802.11n(HT20)	5320.00	2.17	0.13	2.30	11	Pass
ANT2	802.11ac(VHT20)	5260.00	2.33	0.13	2.46	11	Pass
ANT2	802.11ac(VHT20)	5300.00	2.28	0.00	2.28	11	Pass
ANT2	802.11ac(VHT20)	5320.00	2.22	0.13	2.35	11	Pass
ANT2	802.11n(HT40)	5270.00	-0.67	0.26	-0.41	11	Pass
ANT2	802.11n(HT40)	5310.00	-0.68	0.26	-0.42	11	Pass
ANT2	802.11ac(VHT40)	5270.00	-0.10	0.00	-0.10	11	Pass
ANT2	802.11ac(VHT40)	5310.00	-0.73	0.13	-0.60	11	Pass
ANT2	802.11ac(VHT80)	5290.00	-3.94	0.51	-3.43	11	Pass
ANT2	802.11ax(HE20)	5260.00	2.34	0.13	2.47	11	Pass
ANT2	802.11ax(HE20)	5300.00	2.23	0.13	2.36	11	Pass
ANT2	802.11ax(HE20)	5320.00	2.46	0.13	2.59	11	Pass
ANT2	802.11ax(HE40)	5270.00	-0.59	0.26	-0.33	11	Pass
ANT2	802.11ax(HE40)	5310.00	-0.88	0.26	-0.62	11	Pass
ANT2	802.11ax(HE80)	5290.00	-3.76	0.51	-3.25	11	Pass

MIMO:

Antenna	Modulation	Frequency (MHz)	ANT1 PSD(dBm/MHz)	ANT2 PSD(dBm/MHz)	Total PSD(dBm/MHz)	limit(dBm)	Result
ANT1+2	802.11n(HT20)	5260.00	2.20	2.41	5.32	11	Pass
ANT1+2	802.11n(HT20)	5300.00	3.24	2.36	5.83	11	Pass
ANT1+2	802.11n(HT20)	5320.00	3.17	2.30	5.77	11	Pass
ANT1+2	802.11ac(VHT20)	5260.00	2.29	2.46	5.39	11	Pass
ANT1+2	802.11ac(VHT20)	5300.00	3.32	2.28	5.84	11	Pass
ANT1+2	802.11ac(VHT20)	5320.00	3.63	2.35	6.05	11	Pass
ANT1+2	802.11n(HT40)	5270.00	0.78	-0.41	3.24	11	Pass
ANT1+2	802.11n(HT40)	5310.00	-0.74	-0.42	2.43	11	Pass
ANT1+2	802.11ac(VHT40)	5270.00	0.80	-0.10	3.38	11	Pass
ANT1+2	802.11ac(VHT40)	5310.00	0.56	-0.60	3.03	11	Pass
ANT1+2	802.11ac(VHT80)	5290.00	-2.70	-3.43	-0.04	11	Pass
ANT1+2	802.11ax(HE20)	5260.00	3.31	2.47	5.92	11	Pass
ANT1+2	802.11ax(HE20)	5300.00	3.82	2.36	6.16	11	Pass
ANT1+2	802.11ax(HE20)	5320.00	3.55	2.59	6.11	11	Pass
ANT1+2	802.11ax(HE40)	5270.00	0.46	-0.33	3.09	11	Pass
ANT1+2	802.11ax(HE40)	5310.00	0.50	-0.62	2.99	11	Pass
ANT1+2	802.11ax(HE80)	5290.00	-2.64	-3.25	0.08	11	Pass

