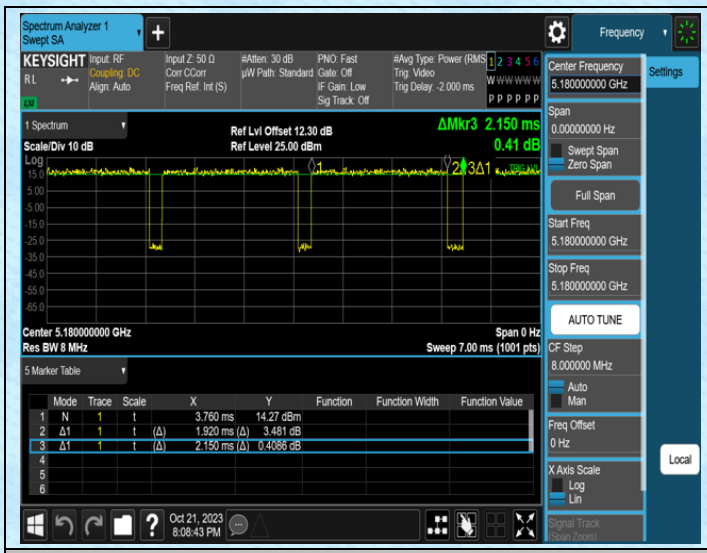
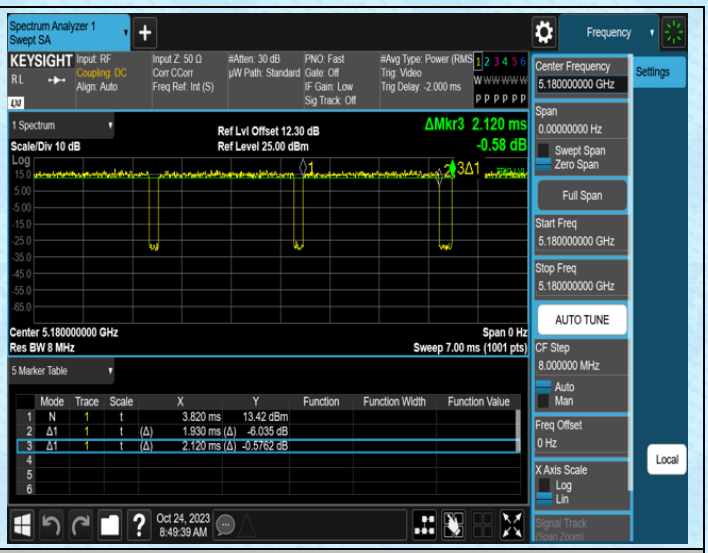
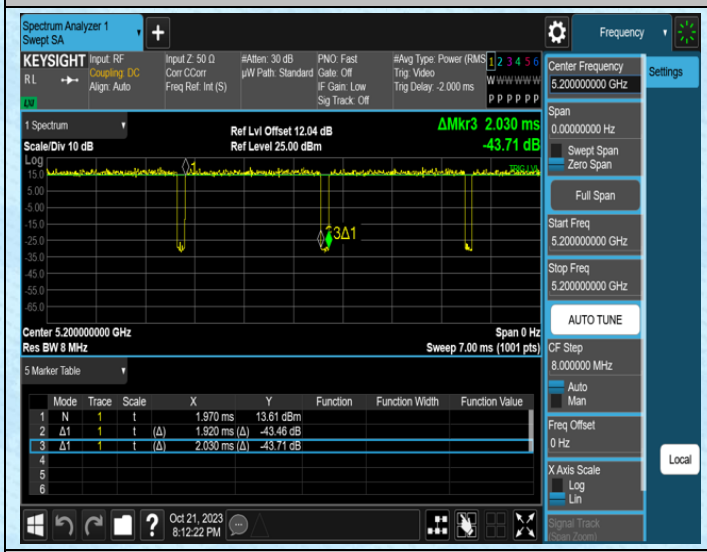


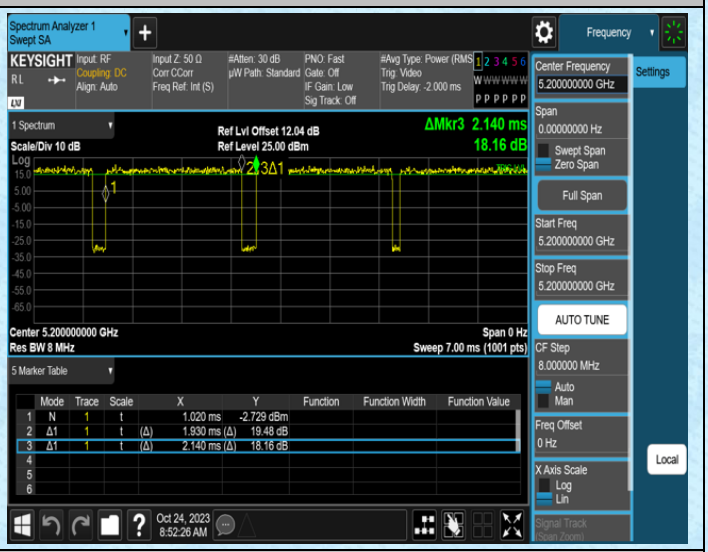
NTNV-11AC20SISO-Ant1-5180



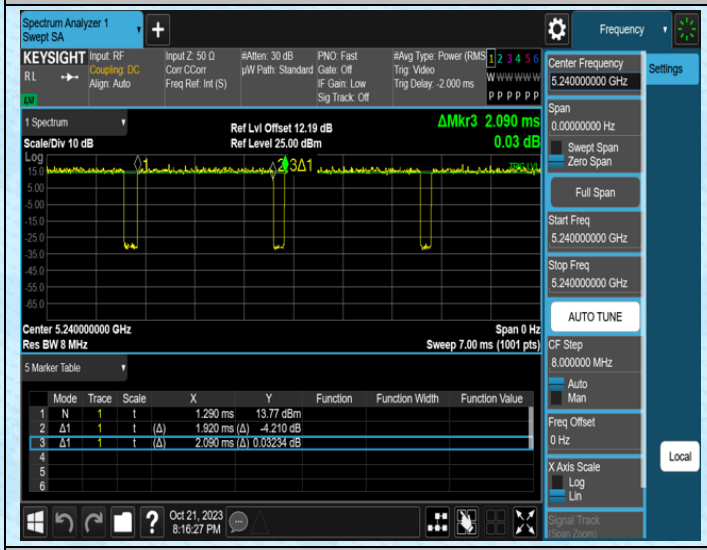
NTNV-11AC20SISO-Ant2-5180



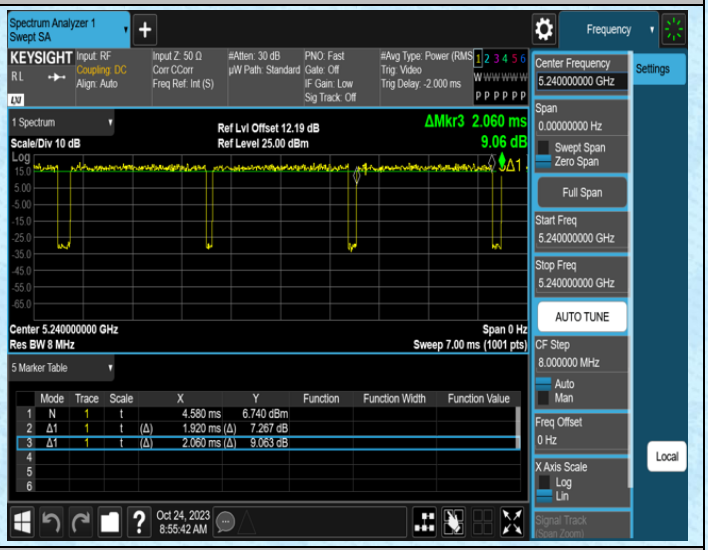
NTNV-11AC20SISO-Ant1-5200



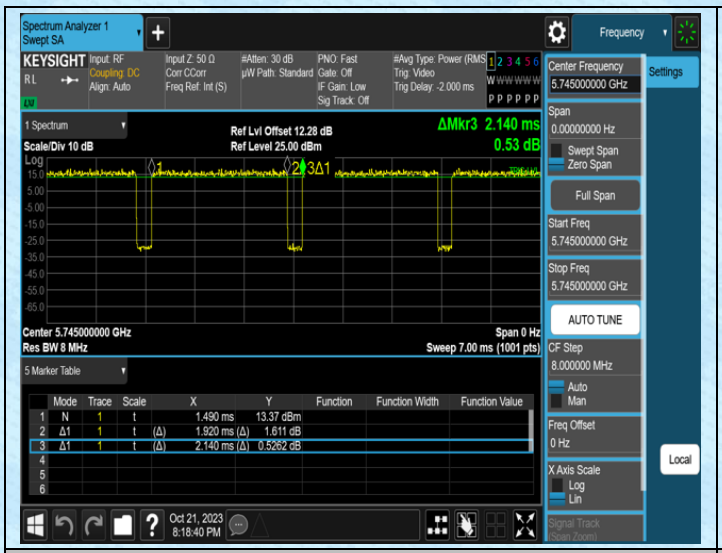
NTNV-11AC20SISO-Ant2-5200



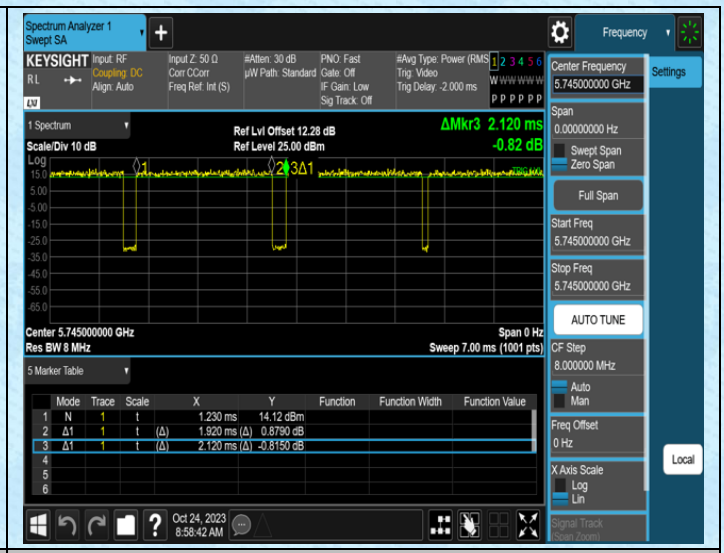
NTNV-11AC20SISO-Ant1-5240



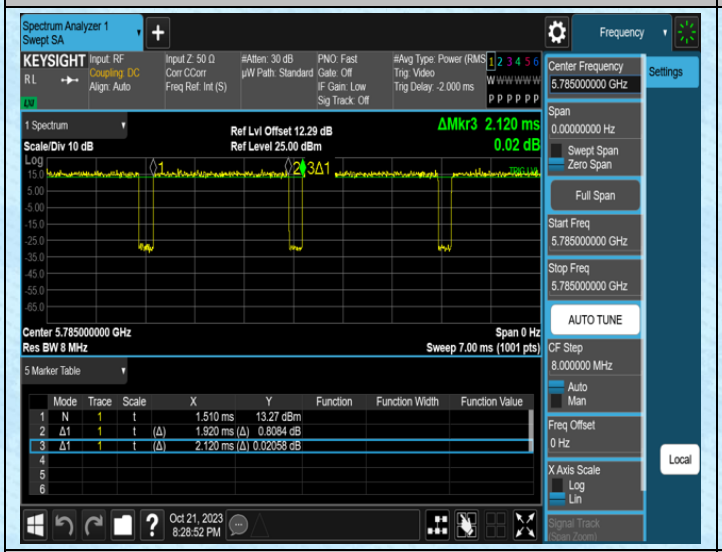
NTNV-11AC20SISO-Ant2-5240



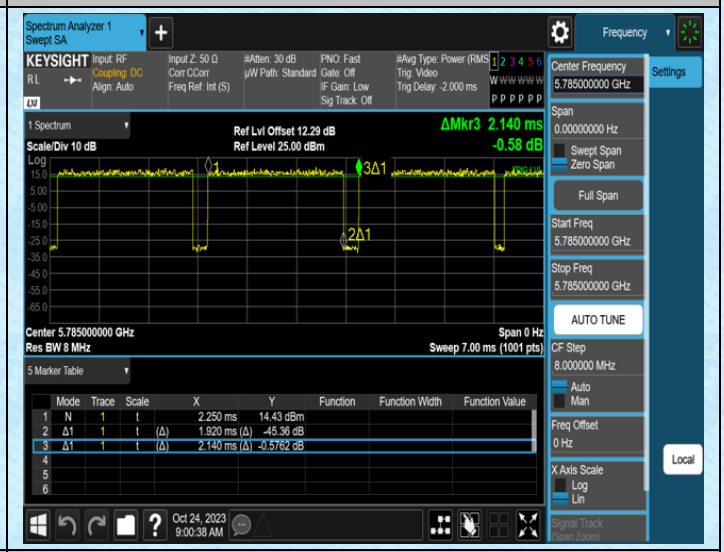
NTNV-11AC20SISO-Ant1-5745



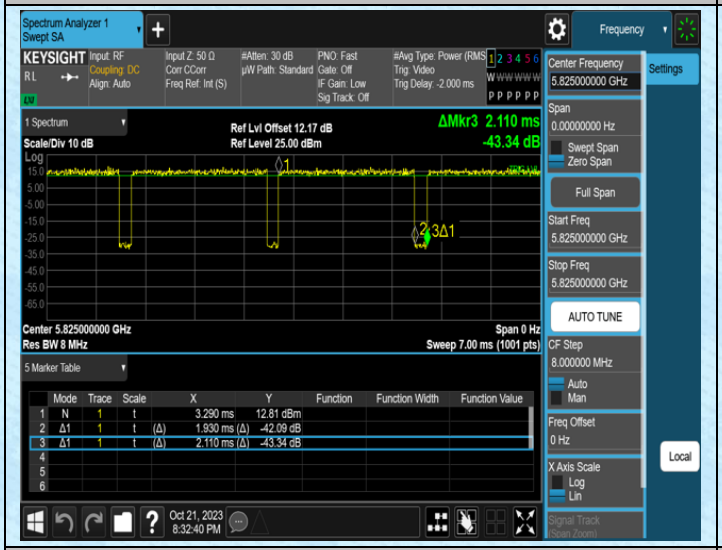
NTNV-11AC20SISO-Ant2-5745



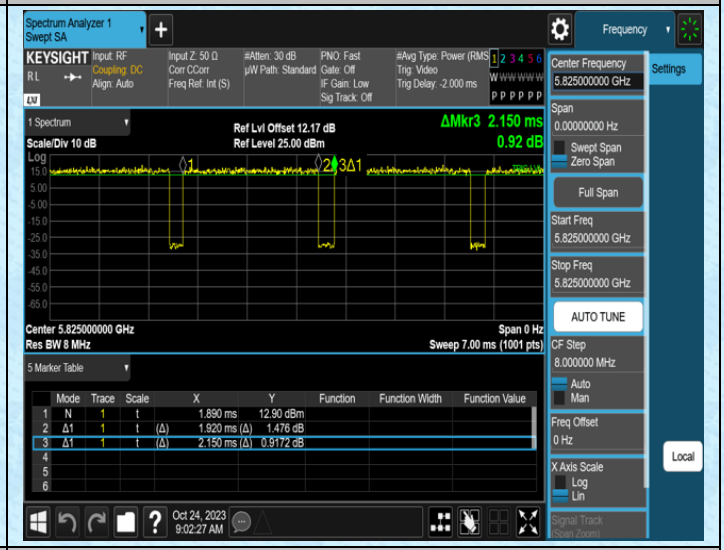
NTNV-11AC20SISO-Ant1-5785



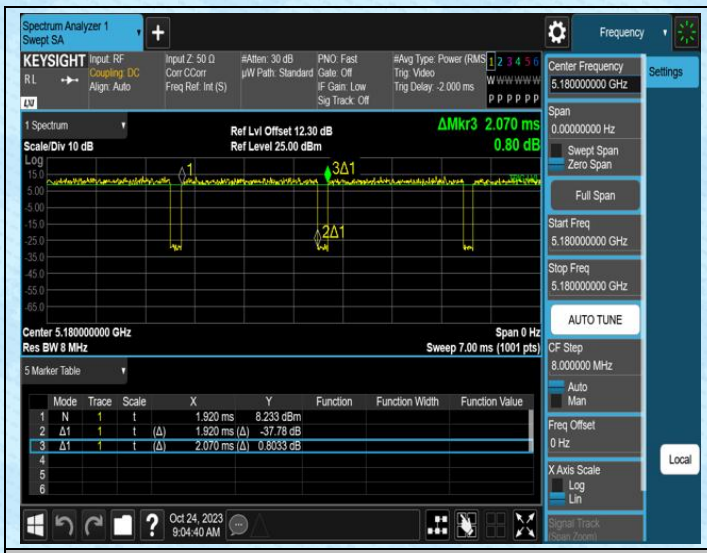
NTNV-11AC20SISO-Ant2-5785



NTNV-11AC20SISO-Ant1-5825

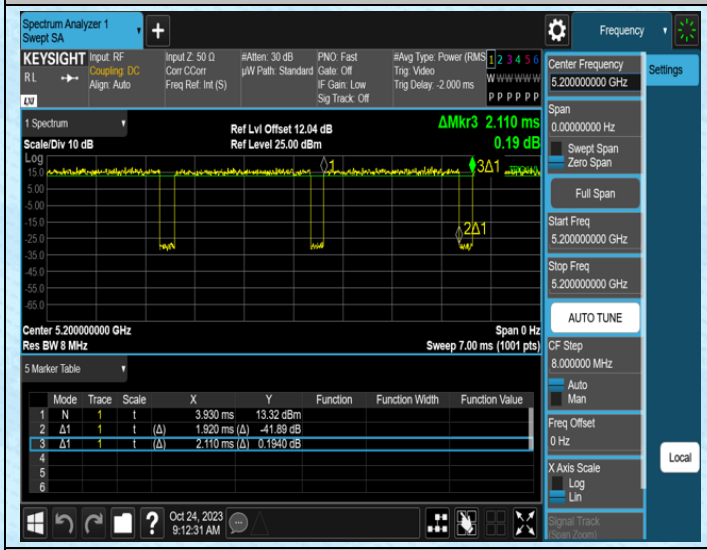


NTNV-11AC20SISO-Ant2-5825



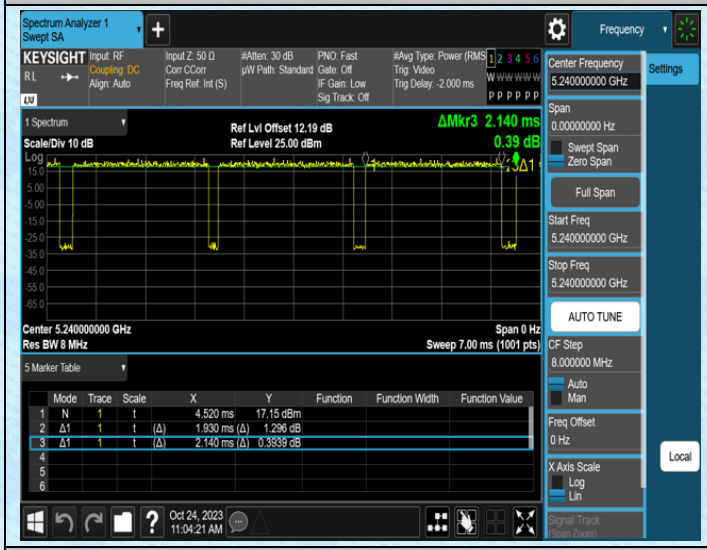
NTNV-11N20MIMO-Ant1-5180

NTNV-11N20MIMO-Ant2-5180

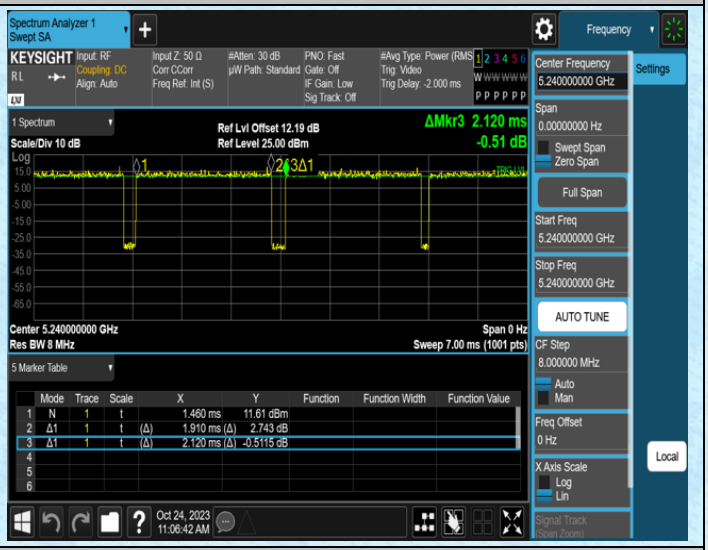


NTNV-11N20MIMO-Ant1-5200

NTNV-11N20MIMO-Ant2-5200

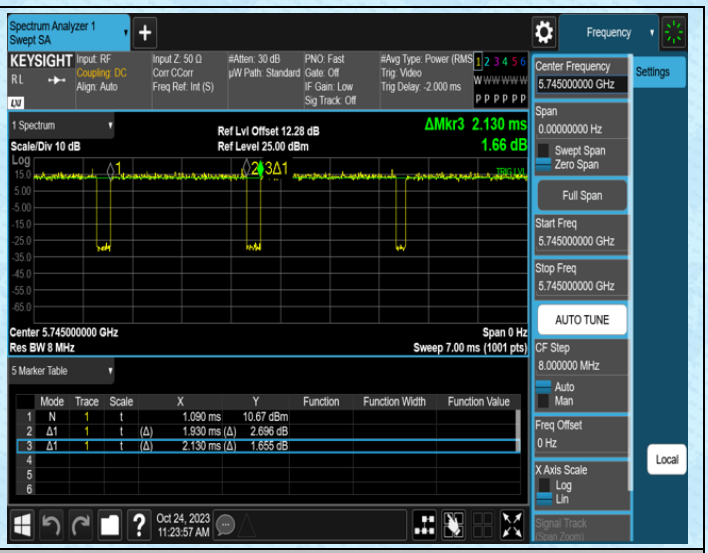


NTNV-11N20MIMO-Ant1-5240



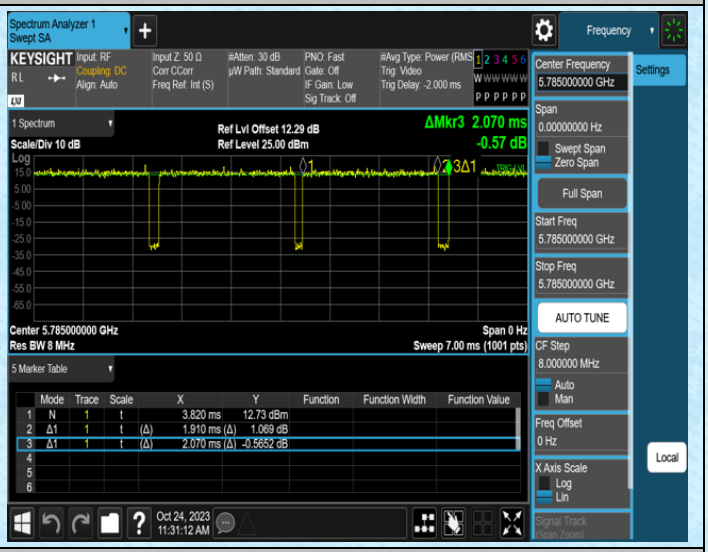
NTNV-11N20MIMO-Ant2-5240

NTNV-11N20MIMO-Ant1-5745

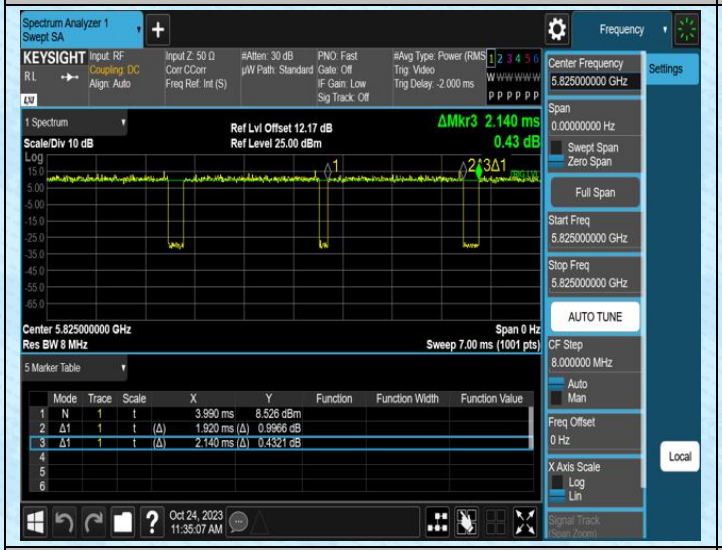


NTNV-11N20MIMO-Ant2-5745

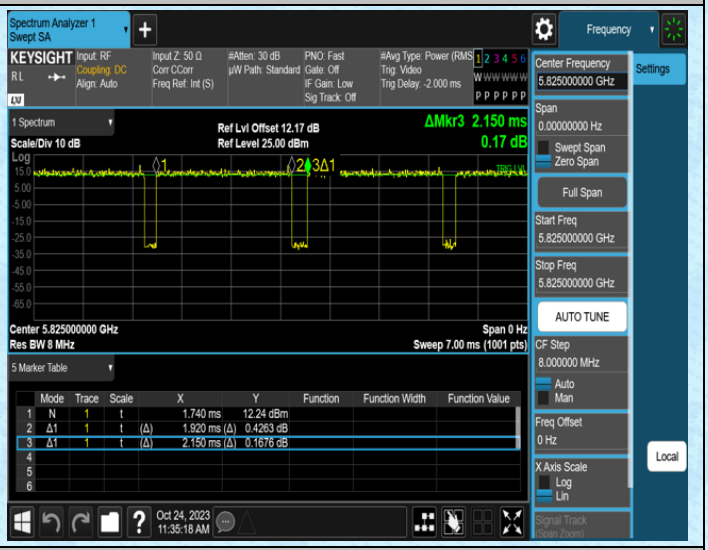
NTNV-11N20MIMO-Ant1-5785



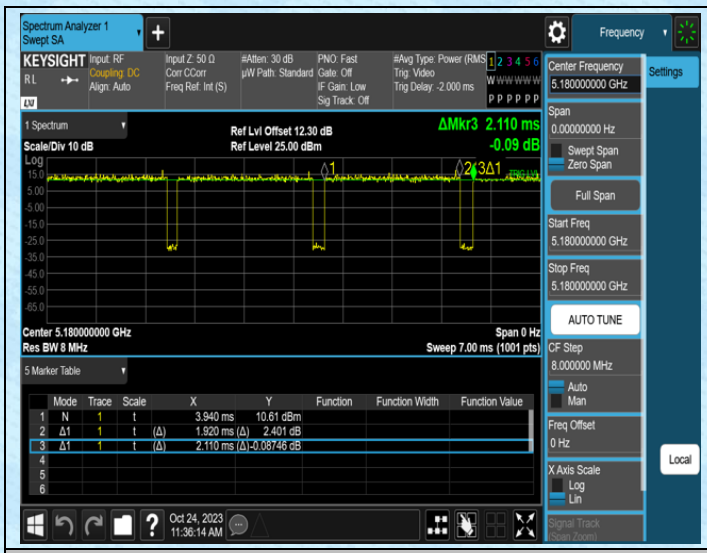
NTNV-11N20MIMO-Ant2-5785



NTNV-11N20MIMO-Ant1-5825

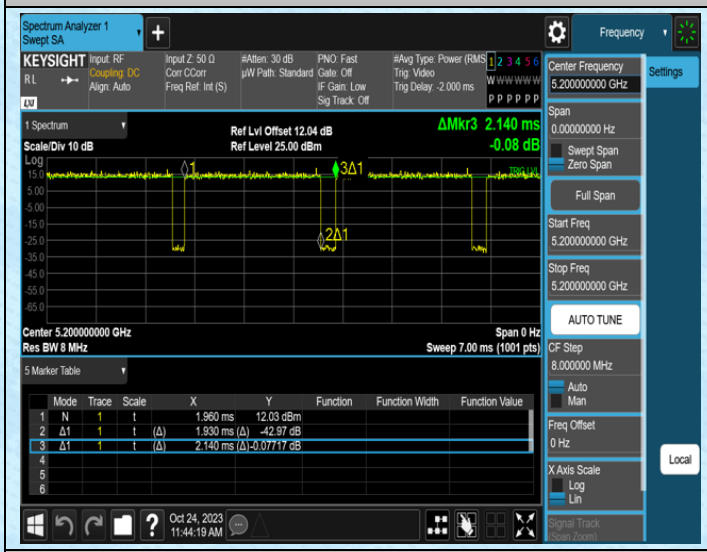


NTNV-11N20MIMO-Ant2-5825

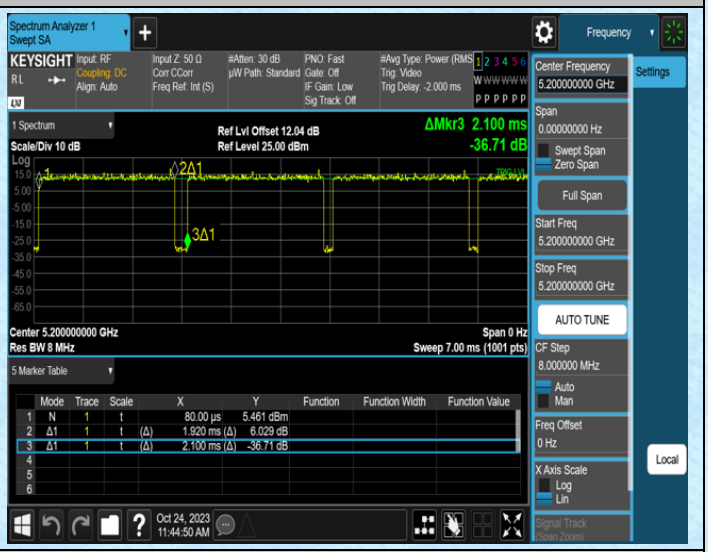


NTNV-11AC20MIMO-Ant1-5180

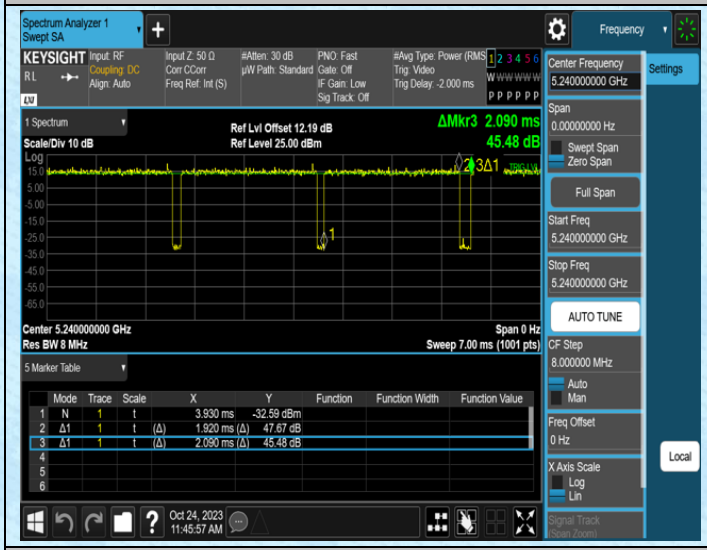
NTNV-11AC20MIMO-Ant2-5180



NTNV-11AC20MIMO-Ant1-5200



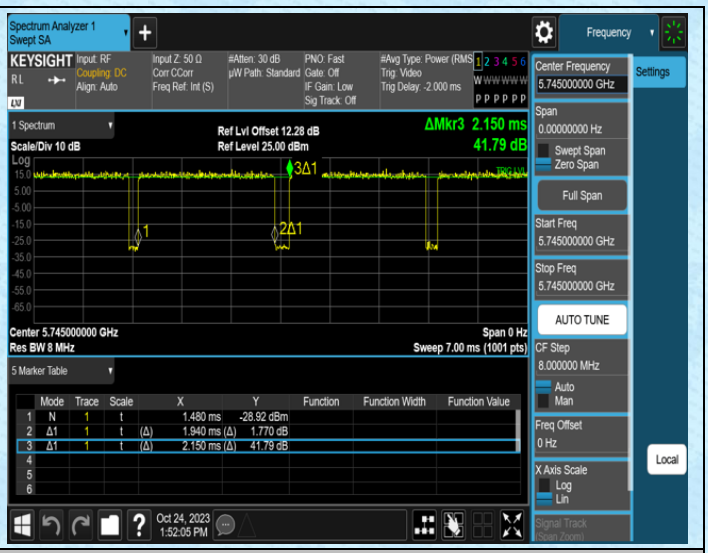
NTNV-11AC20MIMO-Ant2-5200



NTNV-11AC20MIMO-Ant1-5240

NTNV-11AC20MIMO-Ant2-5240

NTNV-11AC20MIMO-Ant1-5745

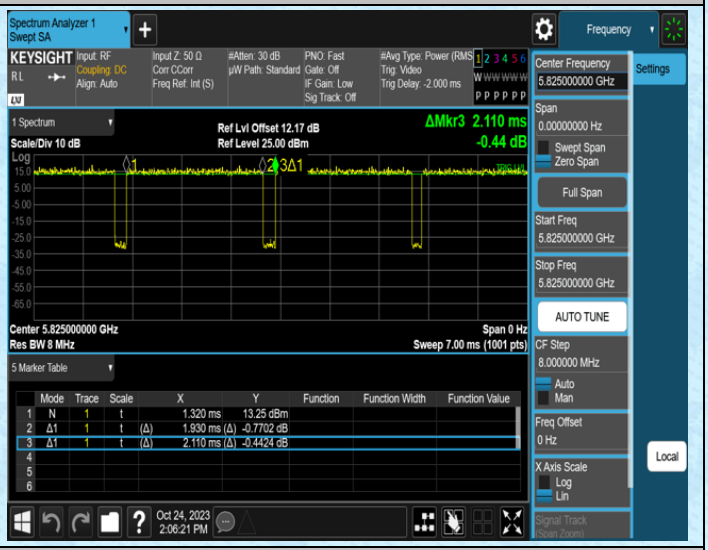


NTNV-11AC20MIMO-Ant2-5745

NTNV-11AC20MIMO-Ant1-5785

NTNV-11AC20MIMO-Ant2-5785

NTNV-11AC20MIMO-Ant1-5825



NTNV-11AC20MIMO-Ant2-5825

AppendixC: Maximum conducted output power

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Channel Powert [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	Verdict
11A	Ant1	5180	6Mbps	11.56	90.00	0.46	12.02	≤23.98	2.4	14.42	PASS
11A	Ant2	5180	6Mbps	11.15	90.79	0.42	11.57	≤23.98	2.4	13.97	PASS
11A	Ant1	5200	6Mbps	11.72	93.67	0.28	12.00	≤23.98	2.4	14.40	PASS
11A	Ant2	5200	6Mbps	11.39	93.24	0.30	11.69	≤23.98	2.4	14.09	PASS
11A	Ant1	5240	6Mbps	12.29	93.67	0.28	12.57	≤23.98	2.4	14.97	PASS
11A	Ant2	5240	6Mbps	11.12	90.79	0.42	11.54	≤23.98	2.4	13.94	PASS
11A	Ant1	5745	6Mbps	11.16	92.41	0.34	11.50	≤30.00	2.97	14.47	PASS
11A	Ant2	5745	6Mbps	11.13	93.21	0.31	11.44	≤30.00	2.97	14.41	PASS
11A	Ant1	5785	6Mbps	10.66	91.96	0.36	11.02	≤30.00	2.97	13.99	PASS
11A	Ant2	5785	6Mbps	11.06	90.35	0.44	11.50	≤30.00	2.97	14.47	PASS
11A	Ant1	5825	6Mbps	10.73	91.15	0.40	11.13	≤30.00	2.97	14.10	PASS
11A	Ant2	5825	6Mbps	10.53	91.56	0.38	10.91	≤30.00	2.97	13.88	PASS
11N20SISO	Ant1	5180	MCS0	10.75	91.83	0.37	11.12	≤23.98	2.4	13.52	PASS
11N20SISO	Ant2	5180	MCS0	12.30	91.87	0.37	12.67	≤23.98	2.4	15.07	PASS
11N20SISO	Ant1	5200	MCS0	10.94	91.43	0.39	11.33	≤23.98	2.4	13.73	PASS
11N20SISO	Ant2	5200	MCS0	12.31	91.87	0.37	12.68	≤23.98	2.4	15.08	PASS
11N20SISO	Ant1	5240	MCS0	11.50	91.43	0.39	11.89	≤23.98	2.4	14.29	PASS
11N20SISO	Ant2	5240	MCS0	12.98	89.72	0.47	13.45	≤23.98	2.4	15.85	PASS
11N20SISO	Ant1	5745	MCS0	10.89	91.00	0.41	11.30	≤30.00	2.97	14.27	PASS
11N20SISO	Ant2	5745	MCS0	11.46	89.72	0.47	11.93	≤30.00	2.97	14.90	PASS
11N20SISO	Ant1	5785	MCS0	10.54	92.75	0.33	10.87	≤30.00	2.97	13.84	PASS
11N20SISO	Ant2	5785	MCS0	10.95	89.30	0.49	11.44	≤30.00	2.97	14.41	PASS
11N20SISO	Ant1	5825	MCS0	10.44	89.77	0.47	10.91	≤30.00	2.97	13.88	PASS
11N20SISO	Ant2	5825	MCS0	11.52	89.72	0.47	11.99	≤30.00	2.97	14.96	PASS
11AC20SISO	Ant1	5180	MCS0	10.82	89.30	0.49	11.31	≤23.98	2.4	13.71	PASS
11AC20SISO	Ant2	5180	MCS0	13.25	91.04	0.41	13.66	≤23.98	2.4	16.06	PASS
11AC20SISO	Ant1	5200	MCS0	10.86	94.58	0.24	11.10	≤23.98	2.4	13.50	PASS
11AC20SISO	Ant2	5200	MCS0	12.76	90.19	0.45	13.21	≤23.98	2.4	15.61	PASS
11AC20SISO	Ant1	5240	MCS0	11.36	91.87	0.37	11.73	≤23.98	2.4	14.13	PASS
11AC20SISO	Ant2	5240	MCS0	12.87	93.20	0.31	13.18	≤23.98	2.4	15.58	PASS
11AC20SISO	Ant1	5745	MCS0	10.79	89.72	0.47	11.26	≤30.00	2.97	14.23	PASS
11AC20SISO	Ant2	5745	MCS0	11.10	90.57	0.43	11.53	≤30.00	2.97	14.50	PASS
11AC20SISO	Ant1	5785	MCS0	10.42	90.57	0.43	10.85	≤30.00	2.97	13.82	PASS
11AC20SISO	Ant2	5785	MCS0	11.28	89.72	0.47	11.75	≤30.00	2.97	14.72	PASS
11AC20SISO	Ant1	5825	MCS0	10.34	91.47	0.39	10.73	≤30.00	2.97	13.70	PASS
11AC20SISO	Ant2	5825	MCS0	10.71	89.30	0.49	11.20	≤30.00	2.97	14.17	PASS

11N20MIMO	Ant1	5180	MCS0	9.05	92.75	0.33	9.38	≤23.98	2.4	11.78	PASS
11N20MIMO	Ant2	5180	MCS0	7.91	92.31	0.35	8.26	≤23.98	2.4	10.66	PASS
11N20MIMO	total	5180	---	---	---	---	11.87	≤23.98	---	14.27	PASS
11N20MIMO	Ant1	5200	MCS0	10.48	91.00	0.41	10.89	≤23.98	2.4	13.29	PASS
11N20MIMO	Ant2	5200	MCS0	9.46	89.30	0.49	9.95	≤23.98	2.4	12.35	PASS
11N20MIMO	total	5200	---	---	---	---	13.46	≤23.98	---	15.86	PASS
11N20MIMO	Ant1	5240	MCS0	9.98	90.19	0.45	10.43	≤23.98	2.4	12.83	PASS
11N20MIMO	Ant2	5240	MCS0	8.63	90.09	0.45	9.08	≤23.98	2.4	11.48	PASS
11N20MIMO	total	5240	---	---	---	---	12.82	≤23.98	---	15.22	PASS
11N20MIMO	Ant1	5745	MCS0	5.77	89.72	0.47	6.24	≤30.00	2.97	9.21	PASS
11N20MIMO	Ant2	5745	MCS0	9.19	90.61	0.43	9.62	≤30.00	2.97	12.59	PASS
11N20MIMO	total	5745	---	---	---	---	11.26	≤30.00	---	14.23	PASS
11N20MIMO	Ant1	5785	MCS0	6.34	91.87	0.37	6.71	≤30.00	2.97	9.68	PASS
11N20MIMO	Ant2	5785	MCS0	9.94	89.72	0.47	10.41	≤30.00	2.97	13.38	PASS
11N20MIMO	total	5785	---	---	---	---	11.95	≤30.00	---	14.92	PASS
11N20MIMO	Ant1	5825	MCS0	5.70	91.90	0.37	6.07	≤30.00	2.97	9.04	PASS
11N20MIMO	Ant2	5825	MCS0	9.25	90.09	0.45	9.70	≤30.00	2.97	12.67	PASS
11N20MIMO	total	5825	---	---	---	---	11.26	≤30.00	---	14.23	PASS
11AC20MIMO	Ant1	5180	MCS0	8.88	91.00	0.41	9.29	≤23.98	2.4	11.69	PASS
11AC20MIMO	Ant2	5180	MCS0	7.79	90.61	0.43	8.22	≤23.98	2.4	10.62	PASS
11AC20MIMO	total	5180	---	---	---	---	11.80	≤23.98	---	14.20	PASS
11AC20MIMO	Ant1	5200	MCS0	9.66	89.30	0.49	10.15	≤23.98	2.4	12.55	PASS
11AC20MIMO	Ant2	5200	MCS0	8.68	94.15	0.26	8.94	≤23.98	2.4	11.34	PASS
11AC20MIMO	total	5200	---	---	---	---	12.60	≤23.98	---	15.00	PASS
11AC20MIMO	Ant1	5240	MCS0	10.08	91.87	0.37	10.45	≤23.98	2.4	12.85	PASS
11AC20MIMO	Ant2	5240	MCS0	9.48	91.43	0.39	9.87	≤23.98	2.4	12.27	PASS
11AC20MIMO	total	5240	---	---	---	---	13.18	≤23.98	---	15.58	PASS
11AC20MIMO	Ant1	5745	MCS0	6.28	88.53	0.53	6.81	≤30.00	2.97	9.78	PASS
11AC20MIMO	Ant2	5745	MCS0	9.77	90.23	0.45	10.22	≤30.00	2.97	13.19	PASS
11AC20MIMO	total	5745	---	---	---	---	11.85	≤30.00	---	14.82	PASS
11AC20MIMO	Ant1	5785	MCS0	5.95	91.90	0.37	6.32	≤30.00	2.97	9.29	PASS
11AC20MIMO	Ant2	5785	MCS0	9.62	88.94	0.51	10.13	≤30.00	2.97	13.10	PASS
11AC20MIMO	total	5785	---	---	---	---	11.64	≤30.00	---	14.61	PASS
11AC20MIMO	Ant1	5825	MCS0	6.64	88.13	0.55	7.19	≤30.00	2.97	10.16	PASS
11AC20MIMO	Ant2	5825	MCS0	10.03	91.47	0.39	10.42	≤30.00	2.97	13.39	PASS
11AC20MIMO	total	5825	---	---	---	---	12.11	≤30.00	---	15.08	PASS

AppendixD: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	6Mbps	2.14	≤11.00	PASS
11A	Ant1	5200	6Mbps	1.46	≤11.00	PASS
11A	Ant1	5240	6Mbps	1.81	≤11.00	PASS
11A	Ant1	5745	6Mbps	-1.48	≤30.00	PASS
11A	Ant1	5785	6Mbps	-2.3	≤30.00	PASS
11A	Ant1	5825	6Mbps	-2.6	≤30.00	PASS
11A	Ant2	5180	6Mbps	0.48	≤11.00	PASS
11A	Ant2	5200	6Mbps	1.23	≤11.00	PASS
11A	Ant2	5240	6Mbps	2.54	≤11.00	PASS
11A	Ant2	5745	6Mbps	-1.32	≤30.00	PASS
11A	Ant2	5785	6Mbps	-1.6	≤30.00	PASS
11A	Ant2	5825	6Mbps	-1.99	≤30.00	PASS
11N20SISO	Ant1	5180	MCS0	1.22	≤11.00	PASS
11N20SISO	Ant1	5200	MCS0	1.18	≤11.00	PASS
11N20SISO	Ant1	5240	MCS0	0.79	≤11.00	PASS
11N20SISO	Ant1	5745	MCS0	-1.63	≤30.00	PASS
11N20SISO	Ant1	5785	MCS0	-2.76	≤30.00	PASS
11N20SISO	Ant1	5825	MCS0	-2.87	≤30.00	PASS
11N20SISO	Ant2	5180	MCS0	1.68	≤11.00	PASS
11N20SISO	Ant2	5200	MCS0	1.47	≤11.00	PASS
11N20SISO	Ant2	5240	MCS0	2.21	≤11.00	PASS
11N20SISO	Ant2	5745	MCS0	-1.37	≤30.00	PASS
11N20SISO	Ant2	5785	MCS0	-2.19	≤30.00	PASS
11N20SISO	Ant2	5825	MCS0	-2.17	≤30.00	PASS
11AC20SISO	Ant1	5180	MCS0	1.45	≤11.00	PASS
11AC20SISO	Ant1	5200	MCS0	0.82	≤11.00	PASS
11AC20SISO	Ant1	5240	MCS0	0.86	≤11.00	PASS
11AC20SISO	Ant1	5745	MCS0	-2.03	≤30.00	PASS
11AC20SISO	Ant1	5785	MCS0	-2.76	≤30.00	PASS
11AC20SISO	Ant1	5825	MCS0	-3.21	≤30.00	PASS
11AC20SISO	Ant2	5180	MCS0	2.91	≤11.00	PASS
11AC20SISO	Ant2	5200	MCS0	2.32	≤11.00	PASS
11AC20SISO	Ant2	5240	MCS0	2.28	≤11.00	PASS
11AC20SISO	Ant2	5745	MCS0	-2.38	≤30.00	PASS
11AC20SISO	Ant2	5785	MCS0	-1.77	≤30.00	PASS
11AC20SISO	Ant2	5825	MCS0	-2.86	≤30.00	PASS
11N20MIMO	Ant1	5180	MCS0	-4.68	≤11.00	PASS