

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 CA_5B_NTNV_ERP

Band: CA_5B / NTNV										
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)			Gain (dBi)	EIRP (dBm)		Verdict
				CC1	CC2	Sum		Result	Limit	
CC1:5 CC2:10	CC1: QPSK CC2: QPSK	CC1:826.5 CC2:833.7	CC1: 1@0 CC2: 0@0	23.42	-28.77	23.42	1.42	22.69	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	23.24	21.10	25.31	1.42	24.58	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	20.65	13.33	21.39	1.42	20.66	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	20.30	13.39	21.10	1.42	20.37	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	22.89	16.61	23.81	1.42	23.08	<=38.45	Pass
		CC1:831.7 CC2:838.9	CC1: 1@0 CC2: 0@0	22.89	17.32	23.95	1.42	23.22	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	22.78	20.92	24.96	1.42	24.23	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	23.52	17.56	24.51	1.42	23.78	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	22.87	17.52	23.98	1.42	23.25	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	23.81	-27.86	23.81	1.42	23.08	<=38.45	Pass
		CC1:836.8 CC2:844	CC1: 1@0 CC2: 0@0	24.55	-28.34	24.55	1.42	23.82	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	22.78	21.00	24.99	1.42	24.26	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	19.53	14.16	20.64	1.42	19.91	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	20.30	14.96	21.41	1.42	20.68	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	23.05	16.62	23.94	1.42	23.21	<=38.45	Pass
	CC1: 16QAM CC2: 16QAM	CC1:826.5 CC2:833.7	CC1: 1@0 CC2: 0@0	23.08	17.29	24.09	1.42	23.36	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	22.17	19.51	24.05	1.42	23.32	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	22.46	20.02	24.42	1.42	23.69	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	20.25	18.50	22.47	1.42	21.74	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	23.82	-27.96	23.82	1.42	23.09	<=38.45	Pass
		CC1:831.7 CC2:838.9	CC1: 1@0 CC2: 0@0	23.11	-29.71	23.11	1.42	22.38	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	22.69	20.14	24.61	1.42	23.88	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	18.45	16.43	20.57	1.42	19.84	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	19.97	14.15	20.98	1.42	20.25	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	19.13	20.17	22.69	1.42	21.96	<=38.45	Pass

		CC1:836.8 CC2:844	CC1: 1@0 CC2: 0@0	21.52	20.46	24.04	1.42	23.31	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	22.55	20.04	24.48	1.42	23.75	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	23.47	16.73	24.30	1.42	23.57	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	20.72	17.87	22.53	1.42	21.80	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	24.37	-30.40	24.37	1.42	23.64	<=38.45	Pass
		CC1:826.5 CC2:833.7	CC1: 1@0 CC2: 0@0	23.64	-29.40	23.64	1.42	22.91	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	22.72	20.35	24.70	1.42	23.97	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	18.59	16.15	20.54	1.42	19.81	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	19.91	13.30	20.76	1.42	20.03	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	21.25	15.62	22.30	1.42	21.57	<=38.45	Pass
	CC1: 64QAM CC2: 64QAM	CC1:831.7 CC2:838.9	CC1: 1@0 CC2: 0@0	20.46	19.04	22.82	1.42	22.09	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	21.33	20.15	23.79	1.42	23.06	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	22.29	16.83	23.38	1.42	22.65	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	21.31	16.00	22.43	1.42	21.70	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	23.77	-28.75	23.77	1.42	23.04	<=38.45	Pass
		CC1:836.8 CC2:844	CC1: 1@0 CC2: 0@0	23.15	-29.81	23.15	1.42	22.42	<=38.45	Pass
			CC1: 1@24 CC2: 1@0	22.05	21.89	24.98	1.42	24.25	<=38.45	Pass
			CC1: 12@0 CC2: 25@25	19.60	13.54	20.56	1.42	19.83	<=38.45	Pass
			CC1: 12@13 CC2: 25@0	19.18	16.50	21.05	1.42	20.32	<=38.45	Pass
			CC1: 25@0 CC2: 50@0	21.88	15.78	22.83	1.42	22.10	<=38.45	Pass
CC1:10 CC2:5	CC1: QPSK CC2: QPSK	CC1:829 CC2:836.2	CC1: 1@0 CC2: 0@0	22.38	16.64	23.41	1.42	22.68	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	23.92	17.75	24.86	1.42	24.13	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	18.79	21.78	23.55	1.42	22.82	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	21.98	19.62	23.97	1.42	23.24	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	24.65	-29.45	24.65	1.42	23.92	<=38.45	Pass
		CC1:834.2 CC2:841.4	CC1: 1@0 CC2: 0@0	25.13	-36.66	25.13	1.42	24.40	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	23.41	19.73	24.96	1.42	24.23	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	20.11	13.62	20.99	1.42	20.26	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	20.78	13.59	21.54	1.42	20.81	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	22.38	16.69	23.41	1.42	22.68	<=38.45	Pass
		CC1:839.3	CC1: 1@0	20.41	18.66	22.64	1.42	21.91	<=38.45	Pass

		CC2:846.5	CC2: 0@0							
			CC1: 1@49 CC2: 1@0	23.15	18.79	24.50	1.42	23.77	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	22.34	16.19	23.29	1.42	22.56	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	22.30	16.95	23.41	1.42	22.68	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	24.67	-29.69	24.67	1.42	23.94	<=38.45	Pass
	CC1: 16QAM CC2: 16QAM	CC1:829 CC2:836.2	CC1: 1@0 CC2: 0@0	23.44	-38.98	23.44	1.42	22.71	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	21.84	19.64	23.89	1.42	23.16	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	19.87	13.53	20.77	1.42	20.04	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	19.10	16.92	21.16	1.42	20.43	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	20.90	18.54	22.89	1.42	22.16	<=38.45	Pass
		CC1:834.2 CC2:841.4	CC1: 1@0 CC2: 0@0	21.40	16.72	22.68	1.42	21.95	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	22.49	18.10	23.83	1.42	23.10	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	22.19	16.37	23.20	1.42	22.47	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	21.69	15.14	22.56	1.42	21.83	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	24.04	-28.80	24.04	1.42	23.31	<=38.45	Pass
		CC1:839.3 CC2:846.5	CC1: 1@0 CC2: 0@0	23.14	-38.73	23.14	1.42	22.41	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	22.09	20.79	24.50	1.42	23.77	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	19.41	13.70	20.44	1.42	19.71	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	20.69	14.61	21.65	1.42	20.92	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	21.69	15.67	22.66	1.42	21.93	<=38.45	Pass
	CC1: 64QAM CC2: 64QAM	CC1:829 CC2:836.2	CC1: 1@0 CC2: 0@0	22.29	16.58	23.32	1.42	22.59	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	22.49	15.47	23.28	1.42	22.55	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	22.85	16.99	23.85	1.42	23.12	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	21.61	15.24	22.51	1.42	21.78	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	23.44	-29.34	23.44	1.42	22.71	<=38.45	Pass
		CC1:834.2 CC2:841.4	CC1: 1@0 CC2: 0@0	23.45	-38.10	23.45	1.42	22.72	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	18.92	20.81	22.97	1.42	22.24	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	20.21	13.82	21.11	1.42	20.38	<=38.45	Pass
			CC1: 25@25 CC2: 12@0	19.42	14.04	20.52	1.42	19.79	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	21.66	16.05	22.72	1.42	21.99	<=38.45	Pass
		CC1:839.3 CC2:846.5	CC1: 1@0 CC2: 0@0	21.66	19.37	23.68	1.42	22.95	<=38.45	Pass

			CC1: 1@49 CC2: 1@0	21.90	15.56	22.80	1.42	22.07	<=38.45	Pass
			CC1: 25@0 CC2: 12@13	22.59	16.82	23.61	1.42	22.88	<=38.45	Pass
CC1:10 CC2:10	CC1: QPSK CC2: QPSK	CC1:829 CC2:838.9	CC1: 25@25 CC2: 12@0	21.28	15.93	22.39	1.42	21.66	<=38.45	Pass
			CC1: 50@0 CC2: 25@0	24.34	-37.77	24.34	1.42	23.61	<=38.45	Pass
			CC1: 1@0 CC2: 0@0	24.47	-28.98	24.47	1.42	23.74	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	23.25	18.35	24.47	1.42	23.74	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	19.70	13.78	20.69	1.42	19.96	<=38.45	Pass
		CC1:831.6 CC2:841.5	CC1: 25@25 CC2: 25@0	20.39	14.40	21.37	1.42	20.64	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	21.61	15.67	22.59	1.42	21.86	<=38.45	Pass
			CC1: 1@0 CC2: 0@0	21.82	19.40	23.79	1.42	23.06	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	23.25	17.83	24.35	1.42	23.62	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	23.36	17.04	24.27	1.42	23.54	<=38.45	Pass
		CC1:834.1 CC2:844	CC1: 25@25 CC2: 25@0	22.54	22.22	25.39	1.42	24.66	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	25.45	-36.78	25.45	1.42	24.72	<=38.45	Pass
			CC1: 1@0 CC2: 0@0	24.67	-27.74	24.67	1.42	23.94	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	23.83	19.33	25.14	1.42	24.41	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	19.68	13.53	20.63	1.42	19.90	<=38.45	Pass
	CC1: 16QAM CC2: 16QAM	CC1:829 CC2:838.9	CC1: 25@25 CC2: 25@0	20.27	13.32	21.07	1.42	20.34	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	20.70	17.95	22.55	1.42	21.82	<=38.45	Pass
			CC1: 1@0 CC2: 0@0	23.08	17.05	24.05	1.42	23.32	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	21.29	19.38	23.45	1.42	22.72	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	23.27	17.08	24.21	1.42	23.48	<=38.45	Pass
		CC1:831.6 CC2:841.5	CC1: 25@25 CC2: 25@0	21.42	18.92	23.35	1.42	22.62	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	24.35	-36.73	24.35	1.42	23.62	<=38.45	Pass
			CC1: 1@0 CC2: 0@0	23.07	-29.82	23.07	1.42	22.34	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	23.27	18.95	24.63	1.42	23.90	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	19.94	13.14	20.76	1.42	20.03	<=38.45	Pass
		CC1:834.1 CC2:844	CC1: 25@25 CC2: 25@0	20.44	14.07	21.34	1.42	20.61	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	21.14	18.58	23.06	1.42	22.33	<=38.45	Pass
			CC1: 1@0 CC2: 0@0	23.66	17.20	24.54	1.42	23.81	<=38.45	Pass
			CC1: 1@49	22.32	16.33	23.30	1.42	22.57	<=38.45	Pass

			CC2: 1@0							
			CC1: 25@0 CC2: 25@25	22.57	16.60	23.55	1.42	22.82	<=38.45	Pass
			CC1: 25@25 CC2: 25@0	22.58	16.92	23.62	1.42	22.89	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	23.92	-38.35	23.92	1.42	23.19	<=38.45	Pass
	CC1: 64QAM CC2: 64QAM	CC1:829 CC2:838.9	CC1: 1@0 CC2: 0@0	21.23	-31.12	21.23	1.42	20.50	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	23.28	17.13	24.22	1.42	23.49	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	20.13	13.94	21.07	1.42	20.34	<=38.45	Pass
			CC1: 25@25 CC2: 25@0	19.96	13.91	20.92	1.42	20.19	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	20.75	18.63	22.83	1.42	22.10	<=38.45	Pass
		CC1:831.6 CC2:841.5	CC1: 1@0 CC2: 0@0	22.41	15.36	23.20	1.42	22.47	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	20.73	17.76	22.50	1.42	21.77	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	21.50	18.81	23.37	1.42	22.64	<=38.45	Pass
			CC1: 25@25 CC2: 25@0	21.67	15.08	22.53	1.42	21.80	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	22.71	-37.84	22.71	1.42	21.98	<=38.45	Pass
		CC1:834.1 CC2:844	CC1: 1@0 CC2: 0@0	22.80	-28.57	22.80	1.42	22.07	<=38.45	Pass
			CC1: 1@49 CC2: 1@0	22.78	17.33	23.87	1.42	23.14	<=38.45	Pass
			CC1: 25@0 CC2: 25@25	19.68	13.71	20.66	1.42	19.93	<=38.45	Pass
			CC1: 25@25 CC2: 25@0	19.75	14.60	20.91	1.42	20.18	<=38.45	Pass
			CC1: 50@0 CC2: 50@0	22.16	15.10	22.94	1.42	22.21	<=38.45	Pass

Note1: EIRP=Conducted Power+Antenna Gain-2.15

2. Field Strength of Spurious Radiation

CA_5B-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649.0	-70.95	-13	-57.95	-73.83	2.62	5.5	Horizontal	Pass
2473.5	-69.75	-13	-56.75	-72.45	3.06	5.76	Horizontal	Pass
3298.0	-67.37	-13	-54.37	-71.73	3.3	7.66	Horizontal	Pass
1649.0	-71.19	-13	-58.19	-74.07	2.62	5.5	Vertical	Pass
2473.5	-66.02	-13	-53.02	-68.72	3.06	5.76	Vertical	Pass
3298.0	-67.07	-13	-54.07	-71.43	3.3	7.66	Vertical	Pass

CA_5B-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1660.0	-71.46	-13	-58.46	-74.32	2.62	5.48	Horizontal	Pass
2490.0	-69.13	-13	-56.13	-71.86	3.07	5.8	Horizontal	Pass
3320.0	-67.43	-13	-54.43	-71.84	3.31	7.72	Horizontal	Pass
1660.0	-71.13	-13	-58.13	-73.99	2.62	5.48	Vertical	Pass
2490.0	-68.93	-13	-55.93	-71.66	3.07	5.8	Vertical	Pass
3320.0	-67.2	-13	-54.2	-71.61	3.31	7.72	Vertical	Pass

CA_5B-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1654.0	-71.69	-13	-58.69	-74.56	2.62	5.49	Horizontal	Pass
2481.0	-69.2	-13	-56.2	-71.9	3.07	5.77	Horizontal	Pass
3308.0	-67.46	-13	-54.46	-71.85	3.3	7.69	Horizontal	Pass
1654.0	-71.79	-13	-58.79	-74.66	2.62	5.49	Vertical	Pass
2481.0	-69.48	-13	-56.48	-72.18	3.07	5.77	Vertical	Pass
3308.0	-67.39	-13	-54.39	-71.78	3.3	7.69	Vertical	Pass