

APPENDIX: Test data

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	92.52	0.34	0.51
NVNT	a	5180	Ant2	92.47	0.34	0.51
NVNT	a	5200	Ant1	95.16	0.22	0.48
NVNT	a	5200	Ant2	95.21	0.21	0.48
NVNT	a	5240	Ant1	95.16	0.22	0.48
NVNT	a	5240	Ant2	95.16	0.22	0.48
NVNT	a	5260	Ant1	95.16	0.22	0.48
NVNT	a	5260	Ant2	95.21	0.21	0.48
NVNT	a	5300	Ant1	95.21	0.21	0.48
NVNT	a	5300	Ant2	95.16	0.22	0.48
NVNT	a	5320	Ant1	94.46	0.25	0.51
NVNT	a	5320	Ant2	94.64	0.24	0.51
NVNT	a	5500	Ant1	94.05	0.27	0.51
NVNT	a	5500	Ant2	92.08	0.36	0.51
NVNT	a	5600	Ant1	95.21	0.21	0.48
NVNT	a	5600	Ant2	95.21	0.21	0.48
NVNT	a	5700	Ant1	94.41	0.25	0.51
NVNT	a	5700	Ant2	94.05	0.27	0.51
NVNT	a	5745	Ant1	94.46	0.25	0.51
NVNT	a	5745	Ant2	92.04	0.36	0.51
NVNT	a	5785	Ant1	95.16	0.22	0.48
NVNT	a	5785	Ant2	95.16	0.22	0.48
NVNT	a	5825	Ant1	92.47	0.34	0.51
NVNT	a	5825	Ant2	94.05	0.27	0.51
NVNT	n20	5180	Ant1	91.8	0.37	0.18
NVNT	n20	5180	Ant2	89.37	0.49	0.18
NVNT	n20	5200	Ant1	95.2	0.21	0.52
NVNT	n20	5200	Ant2	95.2	0.21	0.52
NVNT	n20	5240	Ant1	95.2	0.21	0.52
NVNT	n20	5240	Ant2	95.2	0.21	0.52
NVNT	n20	5260	Ant1	95.2	0.21	0.52
NVNT	n20	5260	Ant2	95.2	0.21	0.52
NVNT	n20	5300	Ant1	95.2	0.21	0.52
NVNT	n20	5300	Ant2	95.2	0.21	0.52
NVNT	n20	5320	Ant1	92.08	0.36	0.18
NVNT	n20	5320	Ant2	91.1	0.4	0.18
NVNT	n20	5500	Ant1	90.02	0.46	0.18
NVNT	n20	5500	Ant2	90.29	0.44	0.18
NVNT	n20	5600	Ant1	95.25	0.21	0.52
NVNT	n20	5600	Ant2	95.2	0.21	0.52
NVNT	n20	5700	Ant1	90.42	0.44	0.18
NVNT	n20	5700	Ant2	91.14	0.4	0.18
NVNT	n20	5745	Ant1	91.64	0.38	0.18
NVNT	n20	5745	Ant2	91.1	0.4	0.18
NVNT	n20	5785	Ant1	95.2	0.21	0.52
NVNT	n20	5785	Ant2	95.2	0.21	0.52
NVNT	n20	5825	Ant1	91.66	0.38	0.18
NVNT	n20	5825	Ant2	91.1	0.4	0.18
NVNT	n40	5190	Ant1	90.32	0.44	0.18
NVNT	n40	5190	Ant2	87.42	0.58	0.18
NVNT	n40	5230	Ant1	90.84	0.42	1.05
NVNT	n40	5230	Ant2	90.84	0.42	1.05
NVNT	n40	5270	Ant1	90.8	0.42	1.05
NVNT	n40	5270	Ant2	90.82	0.42	1.05
NVNT	n40	5310	Ant1	88.58	0.53	0.18
NVNT	n40	5310	Ant2	90.98	0.41	0.18
NVNT	n40	5510	Ant1	91.1	0.4	0.18
NVNT	n40	5510	Ant2	87.81	0.56	0.18
NVNT	n40	5590	Ant1	90.84	0.42	1.05
NVNT	n40	5590	Ant2	91.15	0.4	1.05
NVNT	n40	5670	Ant1	91.14	0.4	0.18
NVNT	n40	5670	Ant2	87.55	0.58	0.18
NVNT	n40	5755	Ant1	88.32	0.54	0.18
NVNT	n40	5755	Ant2	90.95	0.41	0.18
NVNT	n40	5795	Ant1	88.21	0.54	0.18

NVNT	n40	5795	Ant2	87.86	0.56	0.18
NVNT	ac20	5180	Ant1	90.99	0.41	0.18
NVNT	ac20	5180	Ant2	88.55	0.53	0.18
NVNT	ac20	5200	Ant1	98.67	0	0.52
NVNT	ac20	5200	Ant2	98.62	0	0.52
NVNT	ac20	5240	Ant1	98.62	0	0.52
NVNT	ac20	5240	Ant2	98.62	0	0.52
NVNT	ac20	5260	Ant1	98.62	0	0.52
NVNT	ac20	5260	Ant2	98.67	0	0.52
NVNT	ac20	5300	Ant1	98.62	0	0.52
NVNT	ac20	5300	Ant2	98.67	0	0.52
NVNT	ac20	5320	Ant1	90.42	0.44	0.18
NVNT	ac20	5320	Ant2	91.11	0.4	0.18
NVNT	ac20	5500	Ant1	91.82	0.37	0.18
NVNT	ac20	5500	Ant2	89.22	0.5	0.18
NVNT	ac20	5600	Ant1	98.62	0	0.52
NVNT	ac20	5600	Ant2	98.62	0	0.52
NVNT	ac20	5700	Ant1	92.08	0.36	0.18
NVNT	ac20	5700	Ant2	91.11	0.4	0.18
NVNT	ac20	5745	Ant1	91.92	0.37	0.18
NVNT	ac20	5745	Ant2	90.02	0.46	0.18
NVNT	ac20	5785	Ant1	98.57	0	0.52
NVNT	ac20	5785	Ant2	98.62	0	0.52
NVNT	ac20	5825	Ant1	91.78	0.37	0.18
NVNT	ac20	5825	Ant2	89.75	0.47	0.18
NVNT	ac40	5190	Ant1	84.25	0.74	0.18
NVNT	ac40	5190	Ant2	87.81	0.56	0.18
NVNT	ac40	5230	Ant1	97.55	0.11	1.05
NVNT	ac40	5230	Ant2	97.14	0.13	1.05
NVNT	ac40	5270	Ant1	97.55	0.11	1.05
NVNT	ac40	5270	Ant2	97.45	0.11	1.05
NVNT	ac40	5310	Ant1	90.98	0.41	0.18
NVNT	ac40	5310	Ant2	90.71	0.42	0.18
NVNT	ac40	5510	Ant1	90.44	0.44	0.18
NVNT	ac40	5510	Ant2	91.26	0.4	0.18
NVNT	ac40	5590	Ant1	97.55	0.11	1.05
NVNT	ac40	5590	Ant2	97.14	0.13	1.05
NVNT	ac40	5670	Ant1	85.93	0.66	0.18
NVNT	ac40	5670	Ant2	86.19	0.65	0.18
NVNT	ac40	5755	Ant1	88.73	0.52	0.18
NVNT	ac40	5755	Ant2	90.8	0.42	0.18
NVNT	ac40	5795	Ant1	82.42	0.84	0.18
NVNT	ac40	5795	Ant2	88.64	0.52	0.18
NVNT	ac80	5210	Ant1	90.73	0.42	0.18
NVNT	ac80	5210	Ant2	83.45	0.79	0.18
NVNT	ac80	5290	Ant1	88.21	0.54	0.18
NVNT	ac80	5290	Ant2	87.56	0.58	0.18
NVNT	ac80	5530	Ant1	77.36	1.11	0.18
NVNT	ac80	5530	Ant2	87.96	0.56	0.18
NVNT	ac80	5610	Ant1	90.86	0.42	0.18
NVNT	ac80	5610	Ant2	90.86	0.42	0.18
NVNT	ac80	5775	Ant1	88.64	0.52	0.18
NVNT	ac80	5775	Ant2	90.88	0.42	0.18
NVNT	ax20	5180	Ant1	98.22	0	0.67
NVNT	ax20	5180	Ant2	98.22	0	0.67
NVNT	ax20	5200	Ant1	98.22	0	0.67
NVNT	ax20	5200	Ant2	98.22	0	0.67
NVNT	ax20	5240	Ant1	98.28	0	0.67
NVNT	ax20	5240	Ant2	98.15	0	0.67
NVNT	ax20	5260	Ant1	98.22	0	0.67
NVNT	ax20	5260	Ant2	98.22	0	0.67
NVNT	ax20	5300	Ant1	98.22	0	0.67
NVNT	ax20	5300	Ant2	98.22	0	0.67
NVNT	ax20	5320	Ant1	98.15	0	0.67
NVNT	ax20	5320	Ant2	98.15	0	0.67
NVNT	ax20	5500	Ant1	98.22	0	0.67
NVNT	ax20	5500	Ant2	98.22	0	0.67
NVNT	ax20	5600	Ant1	98.22	0	0.67
NVNT	ax20	5600	Ant2	98.22	0	0.67
NVNT	ax20	5700	Ant1	98.28	0	0.67
NVNT	ax20	5700	Ant2	98.22	0	0.67
NVNT	ax20	5745	Ant1	98.22	0	0.67
NVNT	ax20	5745	Ant2	98.22	0	0.67

NVNT	ax20	5785	Ant1	98.22	0	0.67
NVNT	ax20	5785	Ant2	98.22	0	0.67
NVNT	ax20	5825	Ant1	98.15	0	0.67
NVNT	ax20	5825	Ant2	98.15	0	0.67
NVNT	ax40	5190	Ant1	96.78	0.14	1.28
NVNT	ax40	5190	Ant2	96.53	0.15	1.28
NVNT	ax40	5230	Ant1	96.78	0.14	1.28
NVNT	ax40	5230	Ant2	96.9	0.14	1.28
NVNT	ax40	5270	Ant1	96.91	0.14	1.28
NVNT	ax40	5270	Ant2	96.9	0.14	1.28
NVNT	ax40	5310	Ant1	96.78	0.14	1.28
NVNT	ax40	5310	Ant2	96.91	0.14	1.28
NVNT	ax40	5510	Ant1	97.03	0.13	1.28
NVNT	ax40	5510	Ant2	96.53	0.15	1.28
NVNT	ax40	5590	Ant1	97.03	0.13	1.28
NVNT	ax40	5590	Ant2	97.03	0.13	1.28
NVNT	ax40	5670	Ant1	96.78	0.14	1.28
NVNT	ax40	5670	Ant2	97.03	0.13	1.28
NVNT	ax40	5755	Ant1	96.89	0.14	1.28
NVNT	ax40	5755	Ant2	97.03	0.13	1.28
NVNT	ax40	5795	Ant1	97.52	0.11	1.27
NVNT	ax40	5795	Ant2	97.51	0.11	1.28
NVNT	ax80	5210	Ant1	93.88	0.27	2.42
NVNT	ax80	5210	Ant2	93.88	0.27	2.42
NVNT	ax80	5290	Ant1	93.67	0.28	2.42
NVNT	ax80	5290	Ant2	93.88	0.27	2.42
NVNT	ax80	5530	Ant1	94.09	0.26	2.42
NVNT	ax80	5530	Ant2	94.1	0.26	2.41
NVNT	ax80	5610	Ant1	94.1	0.26	2.41
NVNT	ax80	5610	Ant2	94.32	0.25	2.41
NVNT	ax80	5775	Ant1	94.55	0.24	2.4
NVNT	ax80	5775	Ant2	94.1	0.26	2.41
NVNT	ac160	5250	Ant1	88.58	0.53	0.18
NVNT	ac160	5250	Ant2	91.44	0.39	0.18
NVNT	ax160	5250	Ant1	90.62	0.43	0.18
NVNT	ax160	5250	Ant2	98.53	0	7.46
NVNT	ac160	5570	Ant1	89.36	0.49	0.18
NVNT	ac160	5570	Ant2	90	0.46	55.56
NVNT	ax160	5570	Ant1	91.01	0.41	0.18
NVNT	ax160	5570	Ant2	91.31	0.39	0.18









































































