

APPENDIX: Test data

Duty Cycle

Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5180	Ant1	2.07	2.17	95.39	0.2	0.48
NVNT	a	5180	Ant2	2.06	2.17	94.93	0.23	0.48
NVNT	a	5200	Ant1	2.06	2.17	94.93	0.23	0.48
NVNT	a	5200	Ant2	2.07	2.17	95.39	0.2	0.48
NVNT	a	5240	Ant1	2.06	2.17	94.93	0.23	0.48
NVNT	a	5240	Ant2	2.07	2.17	95.39	0.2	0.48
NVNT	a	5260	Ant1	2.07	2.17	95.39	0.2	0.48
NVNT	a	5260	Ant2	2.06	2.17	94.93	0.23	0.48
NVNT	a	5300	Ant1	2.07	2.17	95.39	0.2	0.48
NVNT	a	5300	Ant2	2.07	2.17	95.39	0.2	0.48
NVNT	a	5320	Ant1	2.07	2.17	95.39	0.2	0.48
NVNT	a	5320	Ant2	2.07	2.17	95.39	0.2	0.48
NVNT	a	5500	Ant1	2.07	2.17	95.39	0.2	0.48
NVNT	a	5500	Ant2	2.06	2.17	94.93	0.23	0.48
NVNT	a	5600	Ant1	2.07	2.17	95.39	0.2	0.48
NVNT	a	5600	Ant2	2.07	2.17	95.39	0.2	0.48
NVNT	a	5700	Ant1	2.07	2.17	95.39	0.2	0.48
NVNT	a	5700	Ant2	2.07	2.17	95.39	0.2	0.48
NVNT	n20	5180	Ant1	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5180	Ant2	1.93	2.02	95.54	0.2	0.52
NVNT	n20	5200	Ant1	1.93	2.02	95.54	0.2	0.52
NVNT	n20	5200	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5240	Ant1	1.93	2.02	95.54	0.2	0.52
NVNT	n20	5240	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5260	Ant1	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5260	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5300	Ant1	1.93	2.02	95.54	0.2	0.52
NVNT	n20	5300	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5320	Ant1	1.93	2.02	95.54	0.2	0.52
NVNT	n20	5320	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5500	Ant1	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5500	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5600	Ant1	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5600	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5700	Ant1	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5700	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n40	5190	Ant1	0.95	1.05	90.48	0.43	1.05
NVNT	n40	5190	Ant2	0.95	1.05	90.48	0.43	1.05
NVNT	n40	5230	Ant1	0.95	1.05	90.48	0.43	1.05
NVNT	n40	5230	Ant2	0.95	1.05	90.48	0.43	1.05
NVNT	n40	5270	Ant1	0.95	1.05	90.48	0.43	1.05
NVNT	n40	5270	Ant2	0.95	1.05	90.48	0.43	1.05
NVNT	n40	5310	Ant1	0.95	1.05	90.48	0.43	1.05
NVNT	n40	5310	Ant2	0.95	1.05	90.48	0.43	1.05
NVNT	n40	5510	Ant1	0.94	1.04	90.38	0.44	1.06
NVNT	n40	5510	Ant2	0.95	1.04	91.35	0.39	1.06
NVNT	n40	5590	Ant1	0.95	1	95	0.22	1.05
NVNT	n40	5590	Ant2	0.94	1.04	90.38	0.44	1.06
NVNT	n40	5670	Ant1	0.95	1.04	91.35	0.39	1.06
NVNT	n40	5670	Ant2	0.94	1.04	90.38	0.44	1.06
NVNT	ac20	5180	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5180	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac20	5200	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5200	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac20	5240	Ant1	1.93	1.95	98.97	0	0.52
NVNT	ac20	5240	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac20	5260	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5260	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac20	5300	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5300	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac20	5320	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5320	Ant2	1.93	1.96	98.47	0	0.52

NVNT	ac20	5500	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5500	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac20	5600	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5600	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac20	5700	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5700	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac40	5190	Ant1	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5190	Ant2	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5230	Ant1	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5230	Ant2	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5270	Ant1	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5270	Ant2	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5310	Ant1	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5310	Ant2	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5510	Ant1	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5510	Ant2	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5590	Ant1	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5590	Ant2	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5670	Ant1	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5670	Ant2	0.95	0.98	96.94	0.13	1.05
NVNT	ac80	5210	Ant1	0.46	0.49	93.88	0.27	2.18
NVNT	ac80	5210	Ant2	0.46	0.49	93.88	0.27	2.16
NVNT	ac80	5290	Ant1	0.46	0.49	93.88	0.27	2.16
NVNT	ac80	5290	Ant2	0.48	0.49	97.96	0.09	2.07
NVNT	ac80	5530	Ant1	0.46	0.49	93.88	0.27	2.16
NVNT	ac80	5530	Ant2	0.46	0.49	93.88	0.27	2.16
NVNT	ac80	5610	Ant1	0.46	0.49	93.88	0.27	2.16
NVNT	ac80	5610	Ant2	0.46	0.49	93.88	0.27	2.17
NVNT	ax20	5180	Ant1	1.49	1.52	98.03	0	0.67
NVNT	ax20	5180	Ant2	1.49	1.52	98.03	0	0.67
NVNT	ax20	5200	Ant1	1.49	1.52	98.03	0	0.67
NVNT	ax20	5200	Ant2	1.49	1.52	98.03	0	0.67
NVNT	ax20	5240	Ant1	1.49	1.52	98.03	0	0.67
NVNT	ax20	5240	Ant2	1.49	1.52	98.03	0	0.67
NVNT	ax20	5260	Ant1	1.49	1.52	98.03	0	0.67
NVNT	ax20	5260	Ant2	1.49	1.52	98.03	0	0.67
NVNT	ax20	5300	Ant1	1.49	1.52	98.03	0	0.67
NVNT	ax20	5300	Ant2	1.49	1.52	98.03	0	0.67
NVNT	ax20	5320	Ant1	1.49	1.52	98.03	0	0.67
NVNT	ax20	5320	Ant2	1.49	1.52	98.03	0	0.67
NVNT	ax20	5500	Ant1	1.49	1.53	97.39	0.11	0.67
NVNT	ax20	5500	Ant2	1.49	1.53	97.39	0.11	0.67
NVNT	ax20	5600	Ant1	1.49	1.53	97.39	0.11	0.67
NVNT	ax20	5600	Ant2	1.49	1.53	97.39	0.11	0.67
NVNT	ax20	5700	Ant1	1.49	1.53	97.39	0.11	0.67
NVNT	ax20	5700	Ant2	1.49	1.53	97.39	0.11	0.67
NVNT	ax40	5190	Ant1	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5190	Ant2	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5230	Ant1	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5230	Ant2	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5270	Ant1	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5270	Ant2	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5310	Ant1	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5310	Ant2	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5510	Ant1	0.79	0.82	96.34	0.16	1.27
NVNT	ax40	5510	Ant2	0.79	0.82	96.34	0.16	1.27
NVNT	ax40	5590	Ant1	0.79	0.82	96.34	0.16	1.27
NVNT	ax40	5590	Ant2	0.78	0.82	95.12	0.22	1.28
NVNT	ax40	5670	Ant1	0.79	0.82	96.34	0.16	1.27
NVNT	ax40	5670	Ant2	0.79	0.82	96.34	0.16	1.27
NVNT	ax80	5210	Ant1	0.41	0.44	93.18	0.31	2.42
NVNT	ax80	5210	Ant2	0.42	0.45	93.33	0.3	2.41
NVNT	ax80	5290	Ant1	0.42	0.45	93.33	0.3	2.41
NVNT	ax80	5290	Ant2	0.42	0.45	93.33	0.3	2.41
NVNT	ax80	5530	Ant1	0.4	0.44	90.91	0.41	2.48
NVNT	ax80	5530	Ant2	0.41	0.44	93.18	0.31	2.45
NVNT	ax80	5610	Ant1	0.46	0.49	93.88	0.27	2.16
NVNT	ax80	5610	Ant2	0.4	0.44	90.91	0.41	2.48

Condition	Mode	Frequency (MHz)	Antenna	On Time (ms)	Period (ms)	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	a	5745	Ant1	2.07	2.17	95.39	0.2	0.48
NVNT	a	5745	Ant2	2.06	2.17	94.93	0.23	0.48

NVNT	a	5785	Ant1	2.07	2.17	95.39	0.2	0.48
NVNT	a	5785	Ant2	2.07	2.17	95.39	0.2	0.48
NVNT	a	5825	Ant1	2.06	2.17	94.93	0.23	0.48
NVNT	a	5825	Ant2	2.07	2.17	95.39	0.2	0.48
NVNT	n20	5745	Ant1	1.93	2.02	95.54	0.2	0.52
NVNT	n20	5745	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5785	Ant1	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5785	Ant2	1.93	2.02	95.54	0.2	0.52
NVNT	n20	5825	Ant1	1.92	2.02	95.05	0.22	0.52
NVNT	n20	5825	Ant2	1.92	2.02	95.05	0.22	0.52
NVNT	n40	5755	Ant1	0.78	0.81	96.3	0.16	1.28
NVNT	n40	5755	Ant2	0.95	1.05	90.48	0.43	1.05
NVNT	n40	5795	Ant1	0.78	0.81	96.3	0.16	1.28
NVNT	n40	5795	Ant2	0.95	1.05	90.48	0.43	1.05
NVNT	ac20	5745	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5745	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac20	5785	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5785	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac20	5825	Ant1	1.93	1.96	98.47	0	0.52
NVNT	ac20	5825	Ant2	1.93	1.96	98.47	0	0.52
NVNT	ac40	5755	Ant1	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5755	Ant2	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5795	Ant1	0.95	0.98	96.94	0.13	1.05
NVNT	ac40	5795	Ant2	0.95	0.98	96.94	0.13	1.05
NVNT	ac80	5775	Ant1	0.46	0.49	93.88	0.27	2.16
NVNT	ac80	5775	Ant2	0.46	0.49	93.88	0.27	2.18
NVNT	ax20	5745	Ant1	1.49	1.52	98.03	0	0.67
NVNT	ax20	5745	Ant2	1.49	1.52	98.03	0	0.67
NVNT	ax20	5785	Ant1	1.49	1.52	98.03	0	0.67
NVNT	ax20	5785	Ant2	1.49	1.52	98.03	0	0.67
NVNT	ax20	5825	Ant1	1.49	1.52	98.03	0	0.67
NVNT	ax20	5825	Ant2	1.49	1.52	98.03	0	0.67
NVNT	ax40	5755	Ant1	0.77	0.78	98.72	0	1.3
NVNT	ax40	5755	Ant2	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5795	Ant1	0.78	0.81	96.3	0.16	1.28
NVNT	ax40	5795	Ant2	0.78	0.81	96.3	0.16	1.28
NVNT	ax80	5775	Ant1	0.41	0.44	93.18	0.31	2.42
NVNT	ax80	5775	Ant2	0.41	0.45	91.11	0.4	2.42









































































