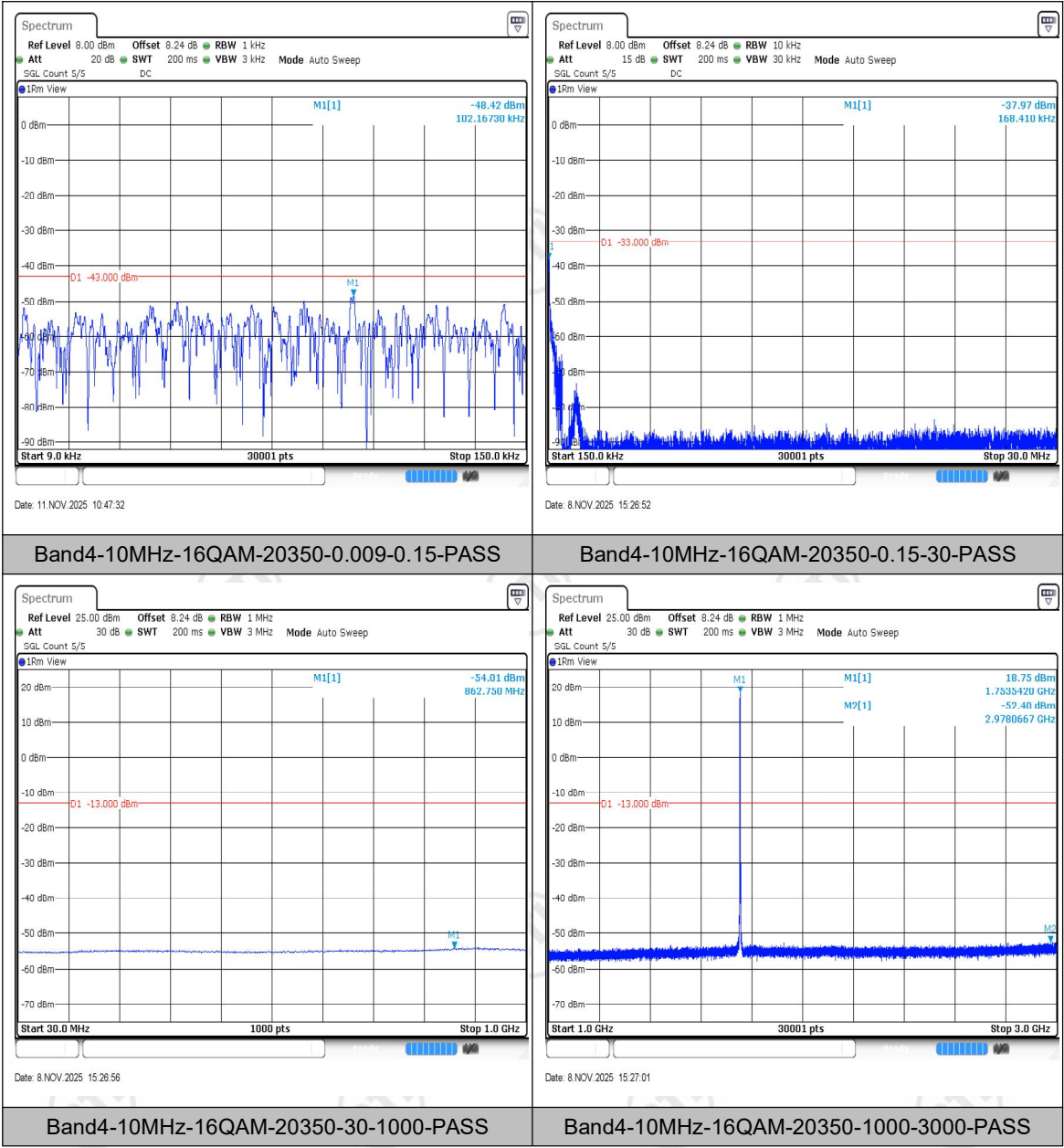
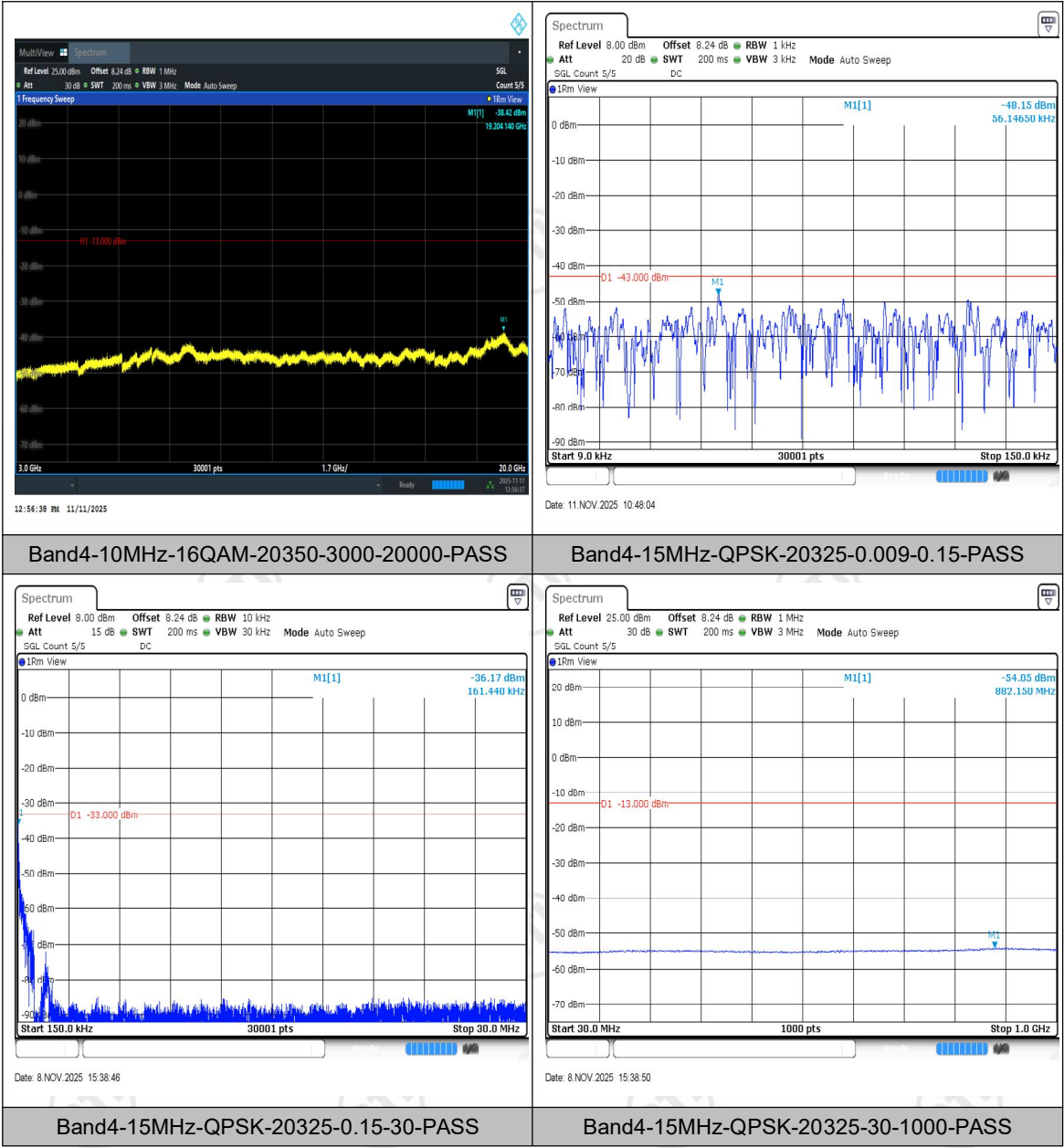
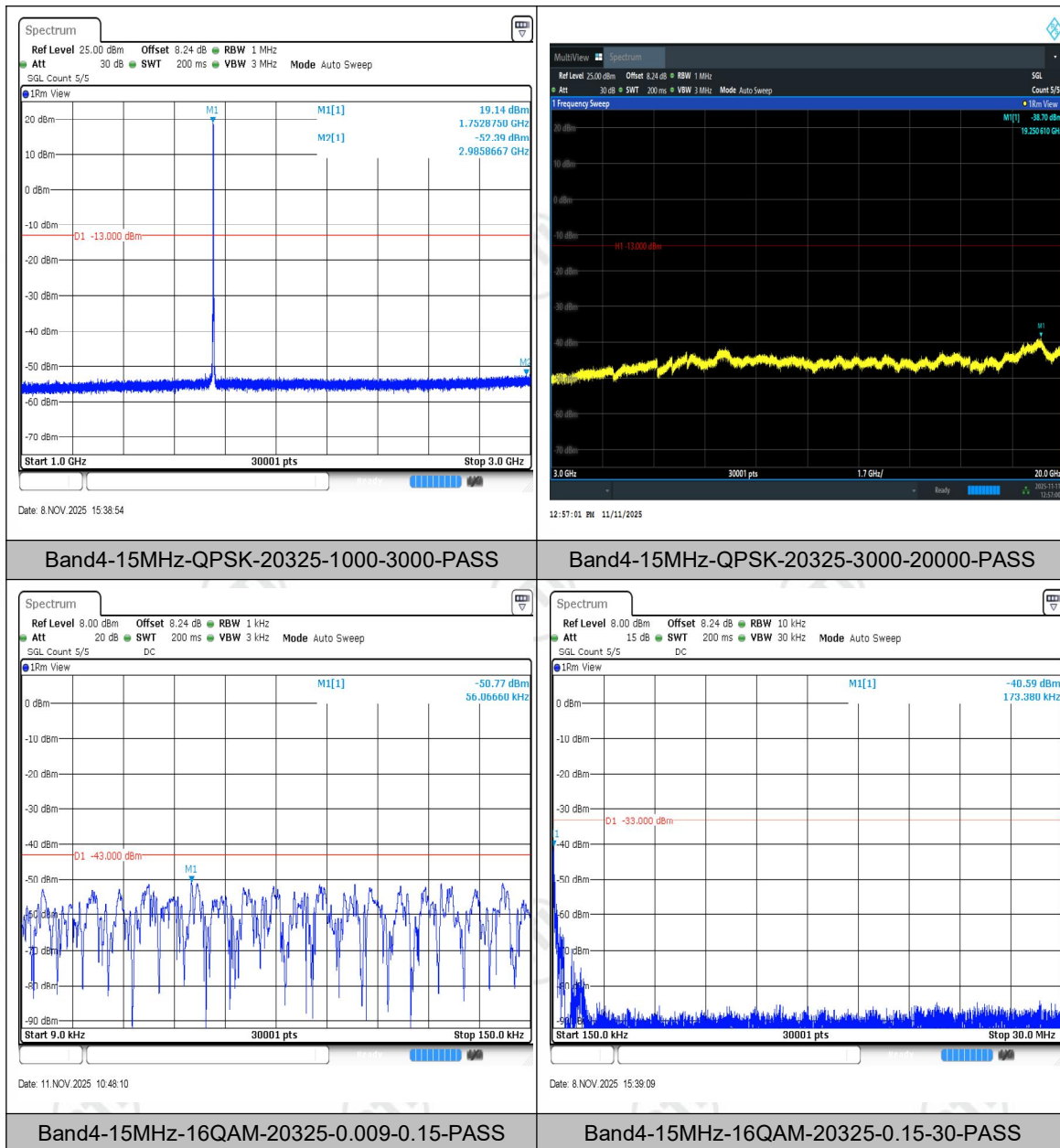
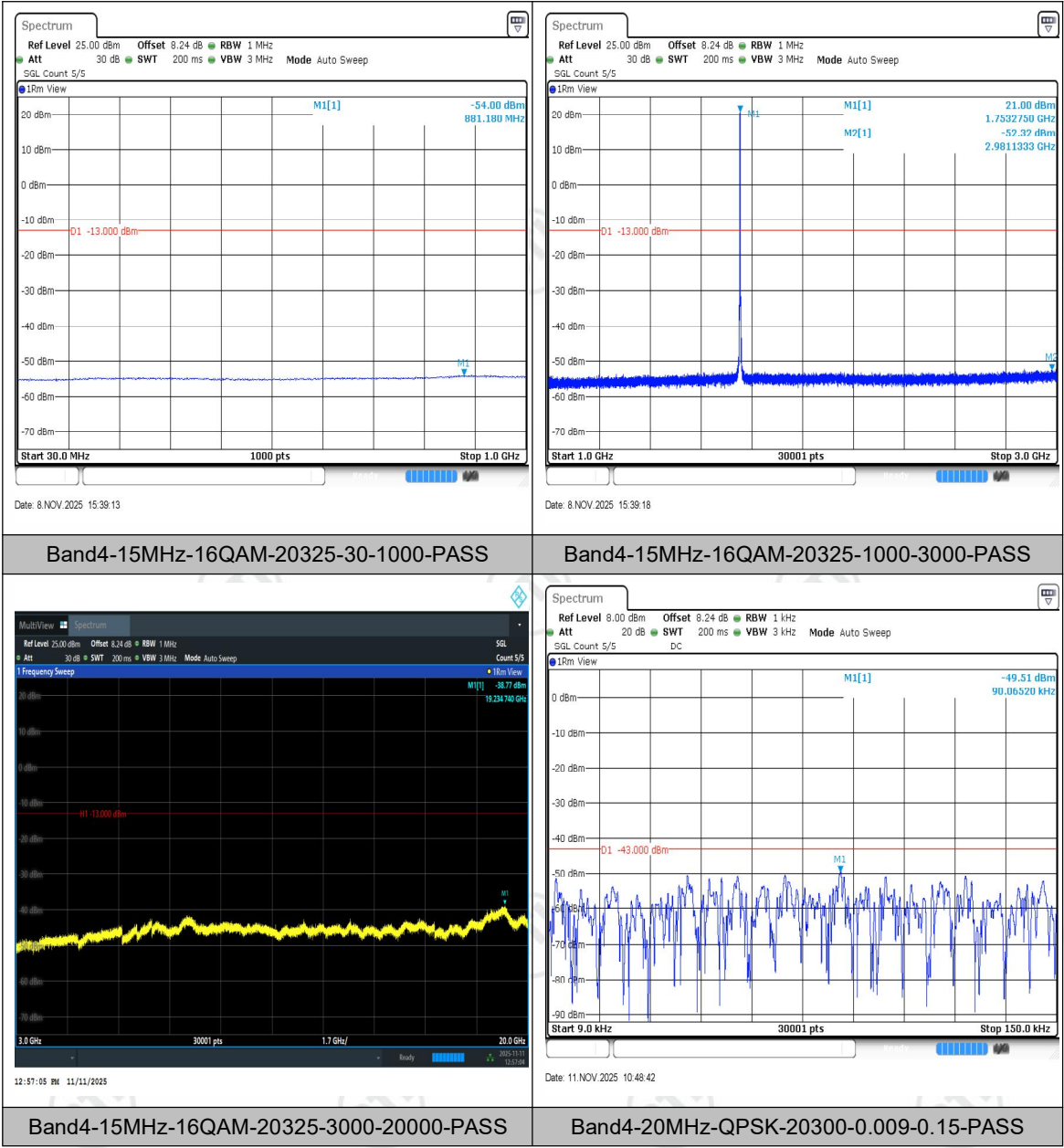
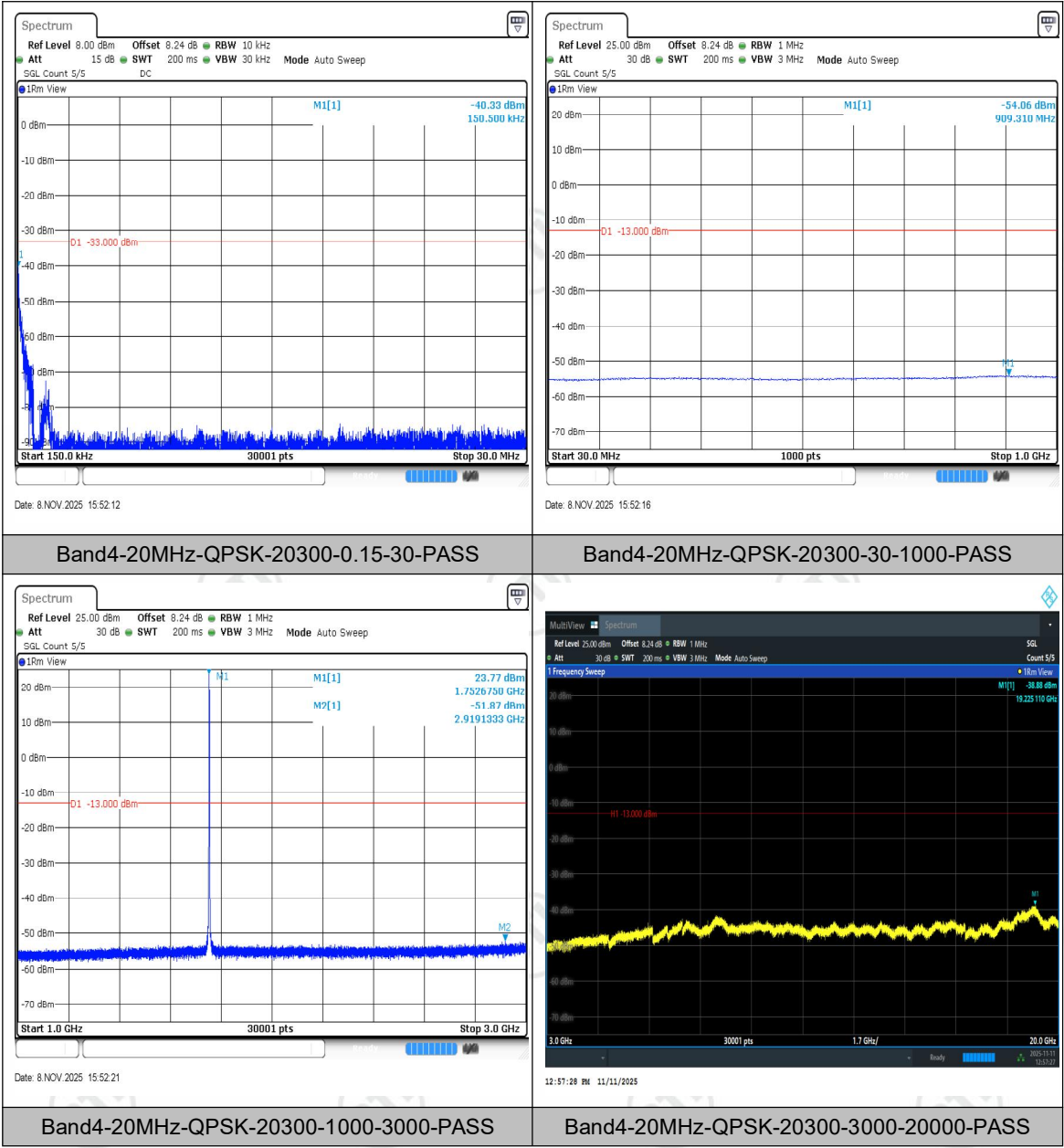


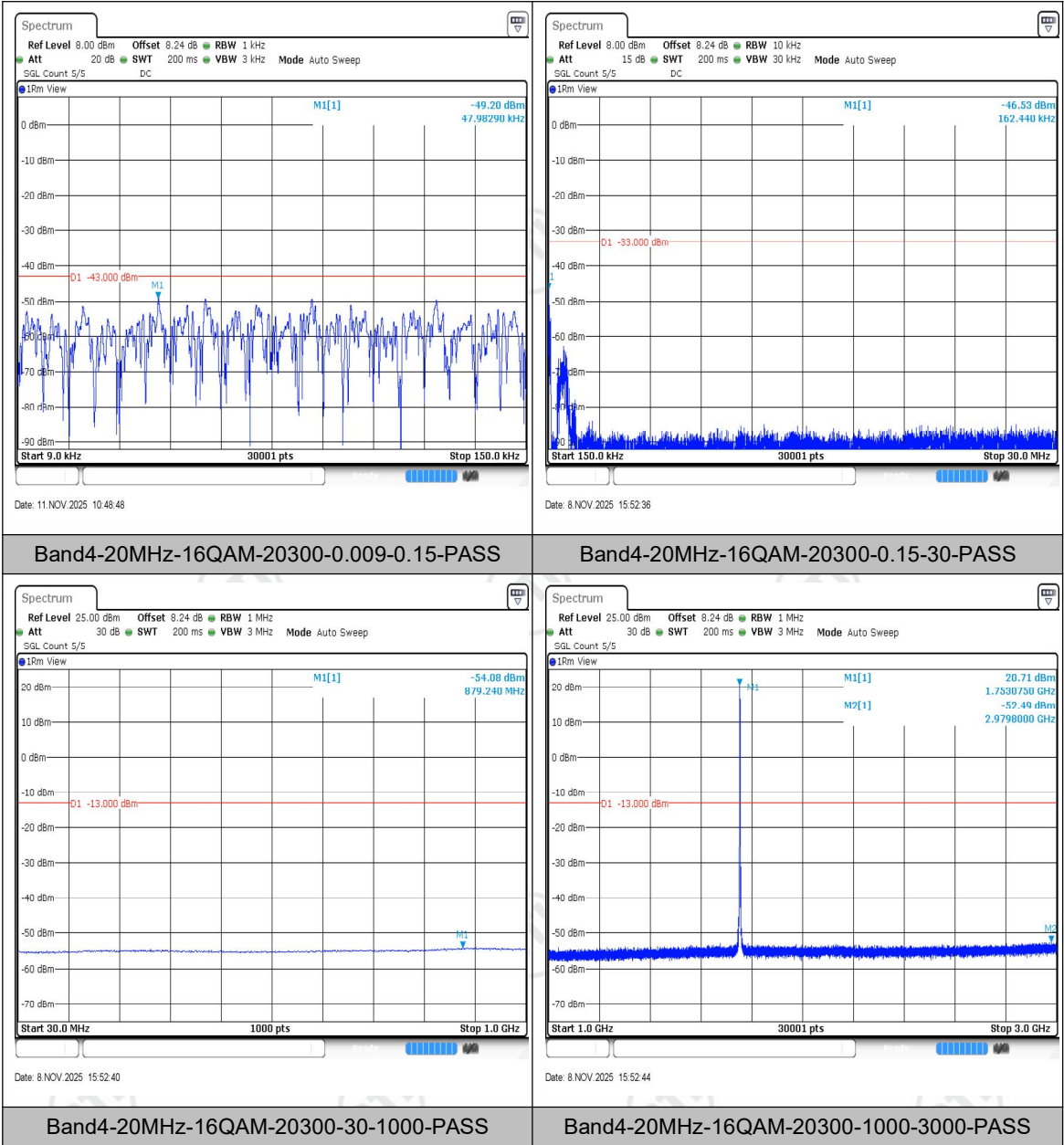


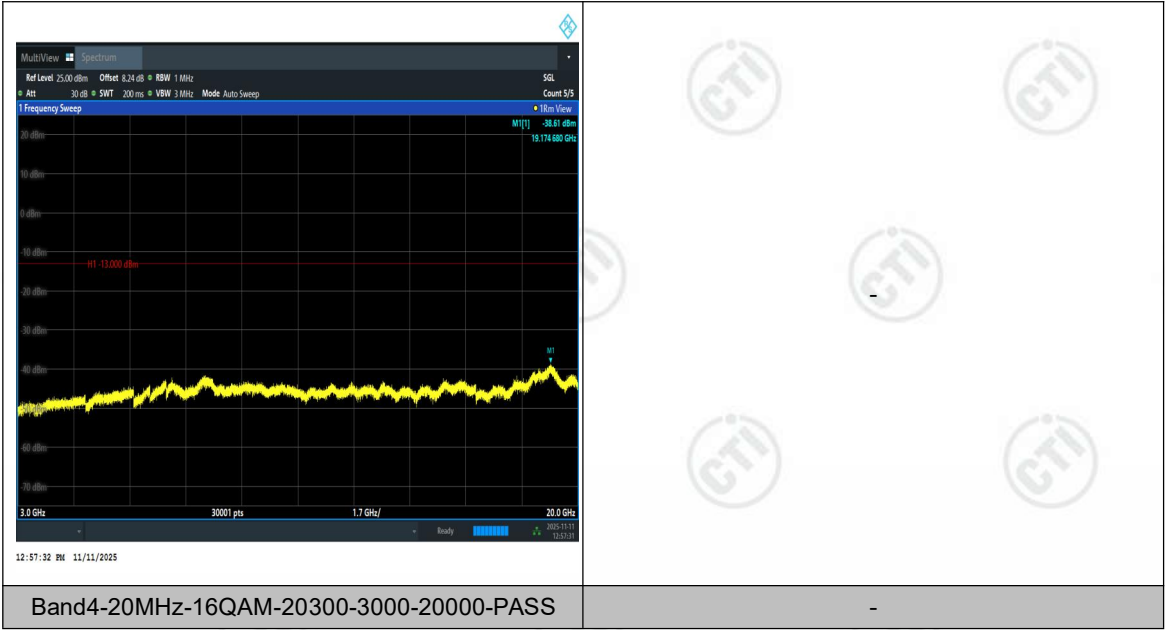












Appendix F: Frequency Stability for M1

Test Result

Voltage												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	VN	NT	-13.02	-0.00 7611	±2.5	PA SS
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	VL	NT	-10.47	-0.00 6120	±2.5	PA SS
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	VH	NT	12.87	0.00 7523	±2.5	PA SS
Band 4	1.4M Hz	1995 7	16QAM	6	0	Low	VN	NT	-13.02	-0.00 7611	±2.5	PA SS
Band 4	1.4M Hz	1995 7	16QAM	6	0	Low	VL	NT	-10.90	-0.00 6372	±2.5	PA SS
Band 4	1.4M Hz	1995 7	16QAM	6	0	Low	VH	NT	-12.72	-0.00 7436	±2.5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	VN	NT	-12.59	-0.00 7356	±2.5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	VL	NT	-13.80	-0.00 8063	±2.5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	VH	NT	-13.69	-0.00 7999	±2.5	PA SS
Band 4	3MHz	1996 5	16QAM	6	0	Low	VN	NT	10.36	0.00 6053	±2.5	PA SS
Band 4	3MHz	1996 5	16QAM	6	0	Low	VL	NT	-14.15	-0.00 8268	±2.5	PA SS
Band 4	3MHz	1996 5	16QAM	6	0	Low	VH	NT	-12.47	-0.00 7286	±2.5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	VN	NT	9.51	0.00 5553	±2.5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	VL	NT	8.54	0.00 4987	±2.5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	VH	NT	8.37	0.00 4888	±2.5	PA SS
Band 4	5MHz	1997 5	16QAM	6	0	Low	VN	NT	8.71	0.00 5086	±2.5	PA SS

Band 4	5MHz	1997 5	16QAM	6	0	Low	VL	NT	8.93	0.00 5215	±2. 5	PA SS
Band 4	5MHz	1997 5	16QAM	6	0	Low	VH	NT	8.97	0.00 5238	±2. 5	PA SS
Band 4	10MHz	2000 0	QPSK	6	0	Low	VN	NT	7.68	0.00 4478	±2. 5	PA SS
Band 4	10MHz	2000 0	QPSK	6	0	Low	VL	NT	7.31	0.00 4262	±2. 5	PA SS
Band 4	10MHz	2000 0	QPSK	6	0	Low	VH	NT	-6.7 9	-0.00 3959	±2. 5	PA SS
Band 4	10MHz	2000 0	16QAM	6	0	Low	VN	NT	-6.8 2	-0.00 3977	±2. 5	PA SS
Band 4	10MHz	2000 0	16QAM	6	0	Low	VL	NT	-6.11	-0.00 3563	±2. 5	PA SS
Band 4	10MHz	2000 0	16QAM	6	0	Low	VH	NT	-6.3 7	-0.00 3714	±2. 5	PA SS
Band 4	15MHz	2002 5	QPSK	6	0	Low	VN	NT	10.2 9	0.00 5991	±2. 5	PA SS
Band 4	15MHz	2002 5	QPSK	6	0	Low	VL	NT	12.6 5	0.00 7365	±2. 5	PA SS
Band 4	15MHz	2002 5	QPSK	6	0	Low	VH	NT	12.7 6	0.00 7429	±2. 5	PA SS
Band 4	15MHz	2002 5	16QAM	6	0	Low	VN	NT	-12. 20	-0.00 7103	±2. 5	PA SS
Band 4	15MHz	2002 5	16QAM	6	0	Low	VL	NT	-11.8 9	-0.00 6923	±2. 5	PA SS
Band 4	15MHz	2002 5	16QAM	6	0	Low	VH	NT	-10. 67	-0.00 6213	±2. 5	PA SS
Band 4	20MHz	2005 0	QPSK	6	0	Low	VN	NT	8.57	0.00 4983	±2. 5	PA SS
Band 4	20MHz	2005 0	QPSK	6	0	Low	VL	NT	11.9 9	0.00 6971	±2. 5	PA SS
Band 4	20MHz	2005 0	QPSK	6	0	Low	VH	NT	11.7 0	0.00 6802	±2. 5	PA SS
Band 4	20MHz	2005 0	16QAM	6	0	Low	VN	NT	13.3 9	0.00 7785	±2. 5	PA SS
Band 4	20MHz	2005 0	16QAM	6	0	Low	VL	NT	15.4 5	0.00 8983	±2. 5	PA SS
Band 4	20MHz	2005 0	16QAM	6	0	Low	VH	NT	11.6 4	0.00 6767	±2. 5	PA SS
Band	1.4M	2017	QPSK	6	0	Low	VN	NT	9.37	0.00	±2.	PA

4	Hz	5								5408	5	SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	VL	NT	8.28	0.00 4779	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	VH	NT	7.57	0.00 4369	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	VN	NT	-8.9 4	-0.00 5160	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	VL	NT	-9.0 3	-0.00 5212	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	VH	NT	-8.9 0	-0.00 5137	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	VN	NT	13.4 2	0.00 7746	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	VL	NT	9.84	0.00 5680	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	VH	NT	8.94	0.00 5160	±2. 5	PA SS
Band 4	3MHz	2017 5	16QA M	6	0	Low	VN	NT	9.14	0.00 5276	±2. 5	PA SS
Band 4	3MHz	2017 5	16QA M	6	0	Low	VL	NT	9.14	0.00 5276	±2. 5	PA SS
Band 4	3MHz	2017 5	16QA M	6	0	Low	VH	NT	8.96	0.00 5172	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	VN	NT	9.20	0.00 5310	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	VL	NT	8.15	0.00 4704	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	VH	NT	6.54	0.00 3775	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	VN	NT	7.87	0.00 4543	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	VL	NT	7.11	0.00 4104	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	VH	NT	8.64	0.00 4987	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	VN	NT	10.3 1	0.00 5951	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	VL	NT	9.18	0.00 5299	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	VH	NT	9.04	0.00 5218	±2. 5	PA SS

Band 4	10MH z	2017 5	16QA M	6	0	Low	VN	NT	9.46	0.00 5460	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	VL	NT	10.7 7	0.00 6216	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	VH	NT	9.56	0.00 5518	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	VN	NT	9.28	0.00 5356	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	VL	NT	8.55	0.00 4935	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	VH	NT	12.8 2	0.00 7400	±2. 5	PA SS
Band 4	15MH z	2017 5	16QA M	6	0	Low	VN	NT	12.9 9	0.00 7498	±2. 5	PA SS
Band 4	15MH z	2017 5	16QA M	6	0	Low	VL	NT	13.3 6	0.00 7711	±2. 5	PA SS
Band 4	15MH z	2017 5	16QA M	6	0	Low	VH	NT	12.4 2	0.00 7169	±2. 5	PA SS
Band 4	20MH z	2017 5	QPSK	6	0	Low	VN	NT	-8.0 3	-0.00 4635	±2. 5	PA SS
Band 4	20MH z	2017 5	QPSK	6	0	Low	VL	NT	-8.3 8	-0.00 4837	±2. 5	PA SS
Band 4	20MH z	2017 5	QPSK	6	0	Low	VH	NT	-7.8 4	-0.00 4525	±2. 5	PA SS
Band 4	20MH z	2017 5	16QA M	6	0	Low	VN	NT	8.58	0.00 4952	±2. 5	PA SS
Band 4	20MH z	2017 5	16QA M	6	0	Low	VL	NT	8.50	0.00 4906	±2. 5	PA SS
Band 4	20MH z	2017 5	16QA M	6	0	Low	VH	NT	7.93	0.00 4577	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	VN	NT	-8.9 1	-0.00 5079	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	VL	NT	-7.5 2	-0.00 4287	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	VH	NT	-10. 90	-0.00 6213	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	VN	NT	-11.0 1	-0.00 6276	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	VL	NT	-11.5 9	-0.00 6607	±2. 5	PA SS
Band	1.4M	2039	16QA	6	0	High	VH	NT	-8.5	-0.00	±2.	PA

4	Hz	3	M						1	4851	5	SS
Band 4	3MHz	2038 5	QPSK	6	0	High	VN	NT	-7.7 5	-0.00 4420	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	VL	NT	-9.6 0	-0.00 5475	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	VH	NT	-8.5 5	-0.00 4876	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	VN	NT	-10. 63	-0.00 6062	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	VL	NT	-10. 29	-0.00 5868	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	VH	NT	-11.8 3	-0.00 6747	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	VN	NT	-7.11 4057	-0.00 4057	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	VL	NT	-5.7 6	-0.00 3287	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	VH	NT	-7.1 4	-0.00 4074	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	VN	NT	-8.1 8	-0.00 4668	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	VL	NT	-8.7 7	-0.00 5004	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	VH	NT	-7.2 7	-0.00 4148	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	VN	NT	-14. 02	-0.00 8011	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	VL	NT	-14. 23	-0.00 8131	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	VH	NT	-14. 62	-0.00 8354	±2. 5	PA SS
Band 4	10MH z	2035 0	16QA M	6	0	High	VN	NT	-14. 09	-0.00 8051	±2. 5	PA SS
Band 4	10MH z	2035 0	16QA M	6	0	High	VL	NT	14.4 1	0.00 8234	±2. 5	PA SS
Band 4	10MH z	2035 0	16QA M	6	0	High	VH	NT	-13. 98	-0.00 7989	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	VN	NT	-6.8 1	-0.00 3897	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	VL	NT	5.39 3084	0.00 3084	±2. 5	PA SS

Band 4	15MH z	2032 5	QPSK	6	0	High	VH	NT	7.62	0.00 4361	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	VN	NT	6.64	0.00 3800	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	VL	NT	6.32	0.00 3617	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	VH	NT	7.07	0.00 4046	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	VN	NT	12.0 7	0.00 6917	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	VL	NT	-16. 15	-0.00 9255	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	VH	NT	-15. 09	-0.00 8648	±2. 5	PA SS
Band 4	20MH z	2030 0	16QA M	6	0	High	VN	NT	-14. 91	-0.00 8544	±2. 5	PA SS
Band 4	20MH z	2030 0	16QA M	6	0	High	VL	NT	-13. 82	-0.00 7920	±2. 5	PA SS
Band 4	20MH z	2030 0	16QA M	6	0	High	VH	NT	-11.3 9	-0.00 6527	±2. 5	PA SS

Temperature												
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	NV	-30	13.9 3	0.00 8143	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	NV	-20	-9.74	-0.00 5694	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	NV	-10	-12.2 0	-0.00 7132	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	NV	0	-10.6 3	-0.00 6214	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	NV	10	-13.3 5	-0.00 7804	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	NV	20	-14.7 2	-0.00 8605	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	NV	30	10.3 6	0.00 6056	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	NV	40	-11.0 4	-0.00 6453	±2. 5	PA SS

Band 4	1.4M Hz	1995 7	QPSK	6	0	Low	NV	50	-12.5 3	-0.00 7324	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	16QA M	6	0	Low	NV	-30	-11.6 2	-0.00 6793	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	16QA M	6	0	Low	NV	-20	-10.1 4	-0.00 5927	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	16QA M	6	0	Low	NV	-10	-14.8 9	-0.00 8704	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	16QA M	6	0	Low	NV	0	-13.0 2	-0.00 7611	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	16QA M	6	0	Low	NV	10	-12.8 3	-0.00 7500	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	16QA M	6	0	Low	NV	20	-10.6 1	-0.00 6202	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	16QA M	6	0	Low	NV	30	-11.6 9	-0.00 6833	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	16QA M	6	0	Low	NV	40	-13.5 3	-0.00 7909	±2. 5	PA SS
Band 4	1.4M Hz	1995 7	16QA M	6	0	Low	NV	50	-13.7 6	-0.00 8043	±2. 5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	NV	-30	-14.5 5	-0.00 8501	±2. 5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	NV	-20	11.8 2	0.00 6906	±2. 5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	NV	-10	11.0 1	0.00 6433	±2. 5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	NV	0	11.3 0	0.00 6602	±2. 5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	NV	10	10.1 9	0.00 5954	±2. 5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	NV	20	11.3 3	0.00 6620	±2. 5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	NV	30	12.7 2	0.00 7432	±2. 5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	NV	40	12.4 0	0.00 7245	±2. 5	PA SS
Band 4	3MHz	1996 5	QPSK	6	0	Low	NV	50	-13.4 5	-0.00 7859	±2. 5	PA SS
Band 4	3MHz	1996 5	16QA M	6	0	Low	NV	-30	-13.9 2	-0.00 8133	±2. 5	PA SS
Band 4	3MHz	1996 5	16QA M	6	0	Low	NV	-20	12.7	0.00	±2. 5	PA SS

4		5	M						7	7461	5	SS
Band 4	3MHz	1996 5	16QA M	6	0	Low	NV	-10	-14.1 3	-0.00 8256	±2. 5	PA SS
Band 4	3MHz	1996 5	16QA M	6	0	Low	NV	0	12.3 6	0.00 7222	±2. 5	PA SS
Band 4	3MHz	1996 5	16QA M	6	0	Low	NV	10	-13.2 9	-0.00 7765	±2. 5	PA SS
Band 4	3MHz	1996 5	16QA M	6	0	Low	NV	20	-14.6 9	-0.00 8583	±2. 5	PA SS
Band 4	3MHz	1996 5	16QA M	6	0	Low	NV	30	-13.3 8	-0.00 7818	±2. 5	PA SS
Band 4	3MHz	1996 5	16QA M	6	0	Low	NV	40	-14.4 6	-0.00 8449	±2. 5	PA SS
Band 4	3MHz	1996 5	16QA M	6	0	Low	NV	50	-14.8 1	-0.00 8653	±2. 5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	NV	-30	10.4 1	0.00 6079	±2. 5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	NV	-20	8.14	0.00 4753	±2. 5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	NV	-10	8.18	0.00 4777	±2. 5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	NV	0	7.93	0.00 4631	±2. 5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	NV	10	8.88	0.00 5185	±2. 5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	NV	20	10.8 4	0.00 6330	±2. 5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	NV	30	9.08	0.00 5302	±2. 5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	NV	40	8.01	0.00 4677	±2. 5	PA SS
Band 4	5MHz	1997 5	QPSK	6	0	Low	NV	50	9.36	0.00 5466	±2. 5	PA SS
Band 4	5MHz	1997 5	16QA M	6	0	Low	NV	-30	10.9 0	0.00 6365	±2. 5	PA SS
Band 4	5MHz	1997 5	16QA M	6	0	Low	NV	-20	8.91	0.00 5203	±2. 5	PA SS
Band 4	5MHz	1997 5	16QA M	6	0	Low	NV	-10	9.36	0.00 5466	±2. 5	PA SS
Band 4	5MHz	1997 5	16QA M	6	0	Low	NV	0	10.5 3	0.00 6149	±2. 5	PA SS

Band 4	5MHz	1997 5	16QA M	6	0	Low	NV	10	9.80	0.00 5723	±2. 5	PA SS
Band 4	5MHz	1997 5	16QA M	6	0	Low	NV	20	12.7 5	0.00 7445	±2. 5	PA SS
Band 4	5MHz	1997 5	16QA M	6	0	Low	NV	30	10.2 9	0.00 6009	±2. 5	PA SS
Band 4	5MHz	1997 5	16QA M	6	0	Low	NV	40	9.90	0.00 5781	±2. 5	PA SS
Band 4	5MHz	1997 5	16QA M	6	0	Low	NV	50	10.4 1	0.00 6079	±2. 5	PA SS
Band 4	10MHz z	2000 0	QPSK	6	0	Low	NV	-30	5.78	0.00 3370	±2. 5	PA SS
Band 4	10MHz z	2000 0	QPSK	6	0	Low	NV	-20	-6.25	-0.00 3644	±2. 5	PA SS
Band 4	10MHz z	2000 0	QPSK	6	0	Low	NV	-10	5.35	0.00 3120	±2. 5	PA SS
Band 4	10MHz z	2000 0	QPSK	6	0	Low	NV	0	6.27	0.00 3656	±2. 5	PA SS
Band 4	10MHz z	2000 0	QPSK	6	0	Low	NV	10	-6.11	-0.00 3563	±2. 5	PA SS
Band 4	10MHz z	2000 0	QPSK	6	0	Low	NV	20	6.34	0.00 3697	±2. 5	PA SS
Band 4	10MHz z	2000 0	QPSK	6	0	Low	NV	30	5.71	0.00 3329	±2. 5	PA SS
Band 4	10MHz z	2000 0	QPSK	6	0	Low	NV	40	-6.78	-0.00 3953	±2. 5	PA SS
Band 4	10MHz z	2000 0	QPSK	6	0	Low	NV	50	-7.01	-0.00 4087	±2. 5	PA SS
Band 4	10MHz z	2000 0	16QA M	6	0	Low	NV	-30	-6.74	-0.00 3930	±2. 5	PA SS
Band 4	10MHz z	2000 0	16QA M	6	0	Low	NV	-20	-9.14	-0.00 5329	±2. 5	PA SS
Band 4	10MHz z	2000 0	16QA M	6	0	Low	NV	-10	-7.27	-0.00 4239	±2. 5	PA SS
Band 4	10MHz z	2000 0	16QA M	6	0	Low	NV	0	-6.11	-0.00 3563	±2. 5	PA SS
Band 4	10MHz z	2000 0	16QA M	6	0	Low	NV	10	6.25	0.00 3644	±2. 5	PA SS
Band 4	10MHz z	2000 0	16QA M	6	0	Low	NV	20	-6.08	-0.00 3545	±2. 5	PA SS
Band 4	10MHz	2000	16QA	6	0	Low	NV	30	-8.71	-0.00	±2.	PA

4	z	0	M							5079	5	SS
Band 4	10MH	2000	16QA	6	0	Low	NV	40	-7.97	-0.00	±2.	PA
	z	0	M							4647	5	SS
Band 4	10MH	2000	16QA	6	0	Low	NV	50	-9.34	-0.00	±2.	PA
	z	0	M							5446	5	SS
Band 4	15MH	2002	QPSK	6	0	Low	NV	-30	14.5	0.00	±2.	PA
	z	5							9	8495	5	SS
Band 4	15MH	2002	QPSK	6	0	Low	NV	-20	-13.8	-0.00	±2.	PA
	z	5							2	8047	5	SS
Band 4	15MH	2002	QPSK	6	0	Low	NV	-10	-13.7	-0.00	±2.	PA
	z	5							0	7977	5	SS
Band 4	15MH	2002	QPSK	6	0	Low	NV	0	-12.7	-0.00	±2.	PA
	z	5							2	7406	5	SS
Band 4	15MH	2002	QPSK	6	0	Low	NV	10	-12.0	-0.00	±2.	PA
	z	5							7	7028	5	SS
Band 4	15MH	2002	QPSK	6	0	Low	NV	20	-11.6	-0.00	±2.	PA
	z	5							2	6766	5	SS
Band 4	15MH	2002	QPSK	6	0	Low	NV	30	-11.4	-0.00	±2.	PA
	z	5							0	6638	5	SS
Band 4	15MH	2002	QPSK	6	0	Low	NV	40	-10.5	-0.00	±2.	PA
	z	5							1	6119	5	SS
Band 4	15MH	2002	QPSK	6	0	Low	NV	50	-11.8	-0.00	±2.	PA
	z	5							7	6911	5	SS
Band 4	15MH	2002	16QA	6	0	Low	NV	-30	-10.3	-0.00	±2.	PA
	z	5	M						1	6003	5	SS
Band 4	15MH	2002	16QA	6	0	Low	NV	-20	-10.1	-0.00	±2.	PA
	z	5	M						0	5881	5	SS
Band 4	15MH	2002	16QA	6	0	Low	NV	-10	-10.7	-0.00	±2.	PA
	z	5	M						4	6253	5	SS
Band 4	15MH	2002	16QA	6	0	Low	NV	0	-10.3	-0.00	±2.	PA
	z	5	M						3	6015	5	SS
Band 4	15MH	2002	16QA	6	0	Low	NV	10	-10.8	-0.00	±2.	PA
	z	5	M						6	6323	5	SS
Band 4	15MH	2002	16QA	6	0	Low	NV	20	-12.0	-0.00	±2.	PA
	z	5	M						7	7028	5	SS
Band 4	15MH	2002	16QA	6	0	Low	NV	30	-9.18	-0.00	±2.	PA
	z	5	M							5345	5	SS
Band 4	15MH	2002	16QA	6	0	Low	NV	40	-10.5	-0.00	±2.	PA
	z	5	M						9	6166	5	SS
Band 4	15MH	2002	16QA	6	0	Low	NV	50	-11.0	-0.00	±2.	PA
	z	5	M						6	6440	5	SS

Band 4	20MH z	2005 0	QPSK	6	0	Low	NV	-30	10.3 9	0.00 6041	±2. 5	PA SS
Band 4	20MH z	2005 0	QPSK	6	0	Low	NV	-20	11.4 4	0.00 6651	±2. 5	PA SS
Band 4	20MH z	2005 0	QPSK	6	0	Low	NV	-10	13.0 6	0.00 7593	±2. 5	PA SS
Band 4	20MH z	2005 0	QPSK	6	0	Low	NV	0	15.8 8	0.00 9233	±2. 5	PA SS
Band 4	20MH z	2005 0	QPSK	6	0	Low	NV	10	12.2 7	0.00 7134	±2. 5	PA SS
Band 4	20MH z	2005 0	QPSK	6	0	Low	NV	20	12.8 6	0.00 7477	±2. 5	PA SS
Band 4	20MH z	2005 0	QPSK	6	0	Low	NV	30	13.0 2	0.00 7570	±2. 5	PA SS
Band 4	20MH z	2005 0	QPSK	6	0	Low	NV	40	12.6 3	0.00 7343	±2. 5	PA SS
Band 4	20MH z	2005 0	QPSK	6	0	Low	NV	50	11.7 9	0.00 6855	±2. 5	PA SS
Band 4	20MH z	2005 0	16QA M	6	0	Low	NV	-30	12.7 3	0.00 7401	±2. 5	PA SS
Band 4	20MH z	2005 0	16QA M	6	0	Low	NV	-20	12.9 5	0.00 7529	±2. 5	PA SS
Band 4	20MH z	2005 0	16QA M	6	0	Low	NV	-10	15.9 9	0.00 9297	±2. 5	PA SS
Band 4	20MH z	2005 0	16QA M	6	0	Low	NV	0	-12.7 0	-0.00 7384	±2. 5	PA SS
Band 4	20MH z	2005 0	16QA M	6	0	Low	NV	10	-12.0 3	-0.00 6994	±2. 5	PA SS
Band 4	20MH z	2005 0	16QA M	6	0	Low	NV	20	-13.5 3	-0.00 7866	±2. 5	PA SS
Band 4	20MH z	2005 0	16QA M	6	0	Low	NV	30	-11.2 2	-0.00 6523	±2. 5	PA SS
Band 4	20MH z	2005 0	16QA M	6	0	Low	NV	40	-14.9 2	-0.00 8674	±2. 5	PA SS
Band 4	20MH z	2005 0	16QA M	6	0	Low	NV	50	-12.6 3	-0.00 7343	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	NV	-30	8.10	0.00 4675	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	NV	-20	-6.94	-0.00 4006	±2. 5	PA SS
Band	1.4M	2017	QPSK	6	0	Low	NV	-10	-7.31	-0.00	±2.	PA

4	Hz	5								4219	5	SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	NV	0	-7.18	-0.00 4144	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	NV	10	-7.78	-0.00 4491	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	NV	20	-6.31	-0.00 3642	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	NV	30	-6.81	-0.00 3931	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	NV	40	-9.73	-0.00 5616	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	QPSK	6	0	Low	NV	50	-10.5 6	-0.00 6095	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	NV	-30	-8.53	-0.00 4924	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	NV	-20	-7.85	-0.00 4531	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	NV	-10	-8.84	-0.00 5102	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	NV	0	-9.71	-0.00 5605	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	NV	10	-8.05	-0.00 4646	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	NV	20	-9.04	-0.00 5218	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	NV	30	-9.61	-0.00 5547	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	NV	40	-7.97	-0.00 4600	±2. 5	PA SS
Band 4	1.4M Hz	2017 5	16QA M	6	0	Low	NV	50	-8.67	-0.00 5004	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	NV	-30	10.1 9	0.00 5882	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	NV	-20	10.4 9	0.00 6055	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	NV	-10	8.20	0.00 4733	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	NV	0	10.2 6	0.00 5922	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	NV	10	8.00	0.00 4618	±2. 5	PA SS

Band 4	3MHz	2017 5	QPSK	6	0	Low	NV	20	7.94	0.00 4583	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	NV	30	10.7 9	0.00 6228	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	NV	40	8.84	0.00 5102	±2. 5	PA SS
Band 4	3MHz	2017 5	QPSK	6	0	Low	NV	50	10.5 9	0.00 6113	±2. 5	PA SS
Band 4	3MHz	2017 5	16QAM	6	0	Low	NV	-30	9.88	0.00 5703	±2. 5	PA SS
Band 4	3MHz	2017 5	16QAM	6	0	Low	NV	-20	9.07	0.00 5235	±2. 5	PA SS
Band 4	3MHz	2017 5	16QAM	6	0	Low	NV	-10	9.53	0.00 5501	±2. 5	PA SS
Band 4	3MHz	2017 5	16QAM	6	0	Low	NV	0	9.03	0.00 5212	±2. 5	PA SS
Band 4	3MHz	2017 5	16QAM	6	0	Low	NV	10	9.51	0.00 5489	±2. 5	PA SS
Band 4	3MHz	2017 5	16QAM	6	0	Low	NV	20	8.90	0.00 5137	±2. 5	PA SS
Band 4	3MHz	2017 5	16QAM	6	0	Low	NV	30	10.1 1	0.00 5835	±2. 5	PA SS
Band 4	3MHz	2017 5	16QAM	6	0	Low	NV	40	8.94	0.00 5160	±2. 5	PA SS
Band 4	3MHz	2017 5	16QAM	6	0	Low	NV	50	9.57	0.00 5524	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	NV	-30	8.08	0.00 4664	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	NV	-20	7.01	0.00 4046	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	NV	-10	10.7 6	0.00 6211	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	NV	0	8.05	0.00 4646	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	NV	10	7.20	0.00 4156	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	NV	20	6.64	0.00 3833	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	NV	30	7.95	0.00 4589	±2. 5	PA SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	NV	40	8.87	0.00	±2. 5	PA SS

4		5								5120	5	SS
Band 4	5MHz	2017 5	QPSK	6	0	Low	NV	50	5.97	0.00 3446	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	NV	-30	6.82	0.00 3937	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	NV	-20	7.82	0.00 4514	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	NV	-10	7.75	0.00 4473	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	NV	0	7.50	0.00 4329	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	NV	10	7.70	0.00 4444	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	NV	20	9.53	0.00 5501	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	NV	30	11.7 0	0.00 6753	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	NV	40	7.80	0.00 4502	±2. 5	PA SS
Band 4	5MHz	2017 5	16QA M	6	0	Low	NV	50	6.75	0.00 3896	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	NV	-30	8.25	0.00 4762	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	NV	-20	9.86	0.00 5691	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	NV	-10	8.98	0.00 5183	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	NV	0	11.9 9	0.00 6921	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	NV	10	7.51	0.00 4335	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	NV	20	10.2 6	0.00 5922	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	NV	30	9.76	0.00 5633	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	NV	40	11.2 4	0.00 6488	±2. 5	PA SS
Band 4	10MH z	2017 5	QPSK	6	0	Low	NV	50	8.75	0.00 5051	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	NV	-30	9.51	0.00 5489	±2. 5	PA SS

Band 4	10MH z	2017 5	16QA M	6	0	Low	NV	-20	9.23	0.00 5328	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	NV	-10	10.7 0	0.00 6176	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	NV	0	10.3 0	0.00 5945	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	NV	10	9.64	0.00 5564	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	NV	20	9.84	0.00 5680	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	NV	30	9.43	0.00 5443	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	NV	40	10.7 6	0.00 6211	±2. 5	PA SS
Band 4	10MH z	2017 5	16QA M	6	0	Low	NV	50	10.7 7	0.00 6216	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	NV	-30	9.58	0.00 5530	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	NV	-20	9.56	0.00 5518	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	NV	-10	11.1 0	0.00 6407	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	NV	0	10.6 9	0.00 6170	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	NV	10	13.5 3	0.00 7810	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	NV	20	10.7 6	0.00 6211	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	NV	30	12.5 2	0.00 7227	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	NV	40	10.9 0	0.00 6291	±2. 5	PA SS
Band 4	15MH z	2017 5	QPSK	6	0	Low	NV	50	12.6 2	0.00 7284	±2. 5	PA SS
Band 4	15MH z	2017 5	16QA M	6	0	Low	NV	-30	14.1 0	0.00 8139	±2. 5	PA SS
Band 4	15MH z	2017 5	16QA M	6	0	Low	NV	-20	13.8 3	0.00 7983	±2. 5	PA SS
Band 4	15MH z	2017 5	16QA M	6	0	Low	NV	-10	15.2 2	0.00 8785	±2. 5	PA SS
Band	15MH	2017	16QA	6	0	Low	NV	0	13.1	0.00	±2.	PA

4	z	5	M						8	7608	5	SS
Band 4	15MH	2017	16QA	6	0	Low	NV	10	16.4	0.00	±2.	PA
	z	5	M						7	9506	5	SS
Band 4	15MH	2017	16QA	6	0	Low	NV	20	-11.5	-0.00	±2.	PA
	z	5	M						4	6661	5	SS
Band 4	15MH	2017	16QA	6	0	Low	NV	30	-11.5	-0.00	±2.	PA
	z	5	M						0	6638	5	SS
Band 4	15MH	2017	16QA	6	0	Low	NV	40	-11.9	-0.00	±2.	PA
	z	5	M						2	6880	5	SS
Band 4	15MH	2017	16QA	6	0	Low	NV	50	-11.2	-0.00	±2.	PA
	z	5	M						2	6476	5	SS
Band 4	20MH	2017	QPSK	6	0	Low	NV	-30	-7.75	-0.00	±2.	PA
	z	5								4473	5	SS
Band 4	20MH	2017	QPSK	6	0	Low	NV	-20	-6.95	-0.00	±2.	PA
	z	5								4012	5	SS
Band 4	20MH	2017	QPSK	6	0	Low	NV	-10	6.65	0.00	±2.	PA
	z	5								3838	5	SS
Band 4	20MH	2017	QPSK	6	0	Low	NV	0	6.61	0.00	±2.	PA
	z	5								3815	5	SS
Band 4	20MH	2017	QPSK	6	0	Low	NV	10	-6.49	-0.00	±2.	PA
	z	5								3746	5	SS
Band 4	20MH	2017	QPSK	6	0	Low	NV	20	6.25	0.00	±2.	PA
	z	5								3608	5	SS
Band 4	20MH	2017	QPSK	6	0	Low	NV	30	7.14	0.00	±2.	PA
	z	5								4121	5	SS
Band 4	20MH	2017	QPSK	6	0	Low	NV	40	8.64	0.00	±2.	PA
	z	5								4987	5	SS
Band 4	20MH	2017	QPSK	6	0	Low	NV	50	10.2	0.00	±2.	PA
	z	5							9	5939	5	SS
Band 4	20MH	2017	16QA	6	0	Low	NV	-30	8.20	0.00	±2.	PA
	z	5	M							4733	5	SS
Band 4	20MH	2017	16QA	6	0	Low	NV	-20	9.11	0.00	±2.	PA
	z	5	M							5258	5	SS
Band 4	20MH	2017	16QA	6	0	Low	NV	-10	10.6	0.00	±2.	PA
	z	5	M						4	6141	5	SS
Band 4	20MH	2017	16QA	6	0	Low	NV	0	10.2	0.00	±2.	PA
	z	5	M						1	5893	5	SS
Band 4	20MH	2017	16QA	6	0	Low	NV	10	10.7	0.00	±2.	PA
	z	5	M						7	6216	5	SS
Band 4	20MH	2017	16QA	6	0	Low	NV	20	8.41	0.00	±2.	PA
	z	5	M							4854	5	SS

Band 4	20MH z	2017 5	16QA M	6	0	Low	NV	30	9.94	0.00 5737	±2. 5	PA SS
Band 4	20MH z	2017 5	16QA M	6	0	Low	NV	40	10.2 6	0.00 5922	±2. 5	PA SS
Band 4	20MH z	2017 5	16QA M	6	0	Low	NV	50	11.9 6	0.00 6903	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	NV	-30	-8.25	-0.00 4703	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	NV	-20	-9.20	-0.00 5244	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	NV	-10	-9.97	-0.00 5683	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	NV	0	-9.14	-0.00 5210	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	NV	10	-10.5 3	-0.00 6002	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	NV	20	-9.14	-0.00 5210	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	NV	30	-9.17	-0.00 5227	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	NV	40	-9.06	-0.00 5164	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	QPSK	6	0	High	NV	50	-10.5 6	-0.00 6019	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	NV	-30	-9.84	-0.00 5609	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	NV	-20	-10.5 4	-0.00 6008	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	NV	-10	-9.23	-0.00 5261	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	NV	0	-9.93	-0.00 5660	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	NV	10	-10.8 3	-0.00 6173	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	NV	20	-11.3 0	-0.00 6441	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	NV	30	-11.2 6	-0.00 6419	±2. 5	PA SS
Band 4	1.4M Hz	2039 3	16QA M	6	0	High	NV	40	-11.2 2	-0.00 6396	±2. 5	PA SS
Band	1.4M	2039	16QA	6	0	High	NV	50	-9.88	-0.00	±2.	PA

4	Hz	3	M							5632	5	SS
Band 4	3MHz	2038 5	QPSK	6	0	High	NV	-30	-10.0 9	-0.00 5754	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	NV	-20	-11.3 9	-0.00 6496	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	NV	-10	-10.4 7	-0.00 5971	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	NV	0	-10.6 6	-0.00 6079	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	NV	10	-10.0 1	-0.00 5709	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	NV	20	-11.2 6	-0.00 6421	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	NV	30	-11.2 3	-0.00 6404	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	NV	40	-10.3 4	-0.00 5897	±2. 5	PA SS
Band 4	3MHz	2038 5	QPSK	6	0	High	NV	50	-12.7 9	-0.00 7294	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	NV	-30	-11.5 2	-0.00 6570	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	NV	-20	-10.7 9	-0.00 6153	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	NV	-10	-11.9 7	-0.00 6826	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	NV	0	-11.3 9	-0.00 6496	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	NV	10	-11.0 1	-0.00 6279	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	NV	20	-12.4 7	-0.00 7111	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	NV	30	-13.0 5	-0.00 7442	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	NV	40	-11.5 2	-0.00 6570	±2. 5	PA SS
Band 4	3MHz	2038 5	16QA M	6	0	High	NV	50	-11.3 7	-0.00 6484	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	NV	-30	-6.98	-0.00 3983	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	NV	-20	-7.72	-0.00 4405	±2. 5	PA SS

Band 4	5MHz	2037 5	QPSK	6	0	High	NV	-10	-7.57	-0.00 4320	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	NV	0	-6.95	-0.00 3966	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	NV	10	-8.43	-0.00 4810	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	NV	20	-7.25	-0.00 4137	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	NV	30	-8.51	-0.00 4856	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	NV	40	-8.14	-0.00 4645	±2. 5	PA SS
Band 4	5MHz	2037 5	QPSK	6	0	High	NV	50	-9.06	-0.00 5170	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	NV	-30	-8.20	-0.00 4679	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	NV	-20	-8.67	-0.00 4947	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	NV	-10	-8.63	-0.00 4924	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	NV	0	-6.62	-0.00 3777	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	NV	10	-8.54	-0.00 4873	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	NV	20	-10.7 0	-0.00 6106	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	NV	30	-7.91	-0.00 4514	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	NV	40	-8.10	-0.00 4622	±2. 5	PA SS
Band 4	5MHz	2037 5	16QA M	6	0	High	NV	50	-8.38	-0.00 4782	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	NV	-30	-14.2 0	-0.00 8114	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	NV	-20	-13.4 2	-0.00 7669	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	NV	-10	-12.9 7	-0.00 7411	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	NV	0	-14.0 8	-0.00 8046	±2. 5	PA SS
Band 4	10MH	2035	QPSK	6	0	High	NV	10	-13.8	-0.00	±2.	PA

4	z	0							3	7903	5	SS
Band 4	10MH z	2035 0	QPSK	6	0	High	NV	20	-15.3 9	-0.00 8794	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	NV	30	-14.6 6	-0.00 8377	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	NV	40	-15.7 9	-0.00 9023	±2. 5	PA SS
Band 4	10MH z	2035 0	QPSK	6	0	High	NV	50	-15.4 1	-0.00 8806	±2. 5	PA SS
Band 4	10MH z	2035 0	16QAM	6	0	High	NV	-30	-13.1 6	-0.00 7520	±2. 5	PA SS
Band 4	10MH z	2035 0	16QAM	6	0	High	NV	-20	-14.5 6	-0.00 8320	±2. 5	PA SS
Band 4	10MH z	2035 0	16QAM	6	0	High	NV	-10	-13.1 3	-0.00 7503	±2. 5	PA SS
Band 4	10MH z	2035 0	16QAM	6	0	High	NV	0	-14.6 9	-0.00 8394	±2. 5	PA SS
Band 4	10MH z	2035 0	16QAM	6	0	High	NV	10	-13.2 5	-0.00 7571	±2. 5	PA SS
Band 4	10MH z	2035 0	16QAM	6	0	High	NV	20	-14.2 3	-0.00 8131	±2. 5	PA SS
Band 4	10MH z	2035 0	16QAM	6	0	High	NV	30	-13.0 6	-0.00 7463	±2. 5	PA SS
Band 4	10MH z	2035 0	16QAM	6	0	High	NV	40	-13.9 6	-0.00 7977	±2. 5	PA SS
Band 4	10MH z	2035 0	16QAM	6	0	High	NV	50	-14.0 3	-0.00 8017	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	NV	-30	6.24	0.00 3571	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	NV	-20	-4.13	-0.00 2363	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	NV	-10	5.29	0.00 3027	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	NV	0	5.15	0.00 2947	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	NV	10	6.41	0.00 3668	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	NV	20	7.02	0.00 4017	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	NV	30	6.24	0.00 3571	±2. 5	PA SS

Band 4	15MH z	2032 5	QPSK	6	0	High	NV	40	6.29	0.00 3599	±2. 5	PA SS
Band 4	15MH z	2032 5	QPSK	6	0	High	NV	50	6.71	0.00 3840	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	NV	-30	7.74	0.00 4429	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	NV	-20	7.05	0.00 4034	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	NV	-10	8.74	0.00 5001	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	NV	0	6.95	0.00 3977	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	NV	10	7.37	0.00 4217	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	NV	20	7.18	0.00 4109	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	NV	30	7.05	0.00 4034	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	NV	40	6.81	0.00 3897	±2. 5	PA SS
Band 4	15MH z	2032 5	16QA M	6	0	High	NV	50	6.88	0.00 3937	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	NV	-30	-13.7 3	-0.00 7868	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	NV	-20	-13.7 8	-0.00 7897	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	NV	-10	-17.2 9	-0.00 9908	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	NV	0	-15.4 2	-0.00 8837	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	NV	10	-12.8 9	-0.00 7387	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	NV	20	-13.6 6	-0.00 7828	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	NV	30	-12.1 5	-0.00 6963	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	NV	40	-14.5 8	-0.00 8355	±2. 5	PA SS
Band 4	20MH z	2030 0	QPSK	6	0	High	NV	50	-12.6 2	-0.00 7232	±2. 5	PA SS
Band	20MH	2030	16QA	6	0	High	NV	-30	-11.6	-0.00	±2.	PA

4	z	0	M						4	6670	5	SS
Band	20MH	2030	16QA						-14.5	-0.00	±2.	PA
4	z	0	M	6	0	High	NV	-20	3	8327	5	SS
Band	20MH	2030	16QA						-14.6	-0.00	±2.	PA
4	z	0	M	6	0	High	NV	-10	9	8418	5	SS
Band	20MH	2030	16QA						-13.2	-0.00	±2.	PA
4	z	0	M	6	0	High	NV	0	0	7564	5	SS
Band	20MH	2030	16QA						-14.2	-0.00	±2.	PA
4	z	0	M	6	0	High	NV	10	8	8183	5	SS
Band	20MH	2030	16QA						-14.3	-0.00	±2.	PA
4	z	0	M	6	0	High	NV	20	2	8206	5	SS
Band	20MH	2030	16QA						-13.2	-0.00	±2.	PA
4	z	0	M	6	0	High	NV	30	2	7576	5	SS
Band	20MH	2030	16QA						-12.6	-0.00	±2.	PA
4	z	0	M	6	0	High	NV	40	2	7232	5	SS
Band	20MH	2030	16QA						-12.2	-0.00	±2.	PA
4	z	0	M	6	0	High	NV	50	7	7032	5	SS

*** End of Report ***