

Appendix for LTE B2 test report

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Results:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP (dBm)	Limit (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	23.86	24.29	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	23.91	24.34	33	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	23.75	24.18	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	23.78	24.21	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.74	24.17	33	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	23.86	24.29	33	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	22.76	23.19	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	23.86	24.29	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	24.23	24.66	33	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	24.01	24.44	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	24.06	24.49	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	23.80	24.23	33	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	23.86	24.29	33	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	22.86	23.29	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.87	24.30	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	24.13	24.56	33	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	24.18	24.61	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	23.90	24.33	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	23.78	24.21	33	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	23.84	24.27	33	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	22.77	23.20	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	22.70	23.13	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.33	22.76	33	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	22.76	23.19	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	22.70	23.13	33	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	22.75	23.18	33	PASS



Band2	1.4MHz	16QAM	18607	3RB#3	22.91	23.34	33	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.87	22.30	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	22.90	23.33	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	22.45	22.88	33	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	22.68	23.11	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#0	22.72	23.15	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	22.58	23.01	33	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	22.62	23.05	33	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	21.68	22.11	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	22.65	23.08	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	22.92	23.35	33	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	22.47	22.90	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	22.74	23.17	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	23.00	23.43	33	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	23.06	23.49	33	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	21.73	22.16	33	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.92	24.35	33	PASS
Band2	3MHz	QPSK	18615	1RB#8	23.81	24.24	33	PASS
Band2	3MHz	QPSK	18615	1RB#14	23.77	24.20	33	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.75	23.18	33	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.79	23.22	33	PASS
Band2	3MHz	QPSK	18615	8RB#7	22.75	23.18	33	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.75	23.18	33	PASS
Band2	3MHz	QPSK	18900	1RB#0	23.83	24.26	33	PASS
Band2	3MHz	QPSK	18900	1RB#8	23.91	24.34	33	PASS
Band2	3MHz	QPSK	18900	1RB#14	23.92	24.35	33	PASS
Band2	3MHz	QPSK	18900	8RB#0	22.70	23.13	33	PASS
Band2	3MHz	QPSK	18900	8RB#4	22.75	23.18	33	PASS
Band2	3MHz	QPSK	18900	8RB#7	22.77	23.20	33	PASS
Band2	3MHz	QPSK	18900	15RB#0	22.70	23.13	33	PASS
Band2	3MHz	QPSK	19185	1RB#0	23.97	24.40	33	PASS
Band2	3MHz	QPSK	19185	1RB#8	24.12	24.55	33	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.90	24.33	33	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.95	23.38	33	PASS



Band2	3MHz	QPSK	19185	8RB#4	22.81	23.24	33	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.84	23.27	33	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.87	23.30	33	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.44	22.87	33	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.64	23.07	33	PASS
Band2	3MHz	16QAM	18615	1RB#14	22.47	22.90	33	PASS
Band2	3MHz	16QAM	18615	8RB#0	21.80	22.23	33	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.87	22.30	33	PASS
Band2	3MHz	16QAM	18615	8RB#7	21.86	22.29	33	PASS
Band2	3MHz	16QAM	18615	15RB#0	21.80	22.23	33	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.61	23.04	33	PASS
Band2	3MHz	16QAM	18900	1RB#8	22.50	22.93	33	PASS
Band2	3MHz	16QAM	18900	1RB#14	22.60	23.03	33	PASS
Band2	3MHz	16QAM	18900	8RB#0	22.50	22.93	33	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.60	22.03	33	PASS
Band2	3MHz	16QAM	18900	8RB#7	21.64	22.07	33	PASS
Band2	3MHz	16QAM	18900	15RB#0	21.50	21.93	33	PASS
Band2	3MHz	16QAM	19185	1RB#0	22.61	23.04	33	PASS
Band2	3MHz	16QAM	19185	1RB#8	22.52	22.95	33	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.54	22.97	33	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.91	22.34	33	PASS
Band2	3MHz	16QAM	19185	8RB#4	22.06	22.49	33	PASS
Band2	3MHz	16QAM	19185	8RB#7	22.01	22.44	33	PASS
Band2	3MHz	16QAM	19185	15RB#0	21.70	22.13	33	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.96	24.39	33	PASS
Band2	5MHz	QPSK	18625	1RB#12	24.03	24.46	33	PASS
Band2	5MHz	QPSK	18625	1RB#24	23.88	24.31	33	PASS
Band2	5MHz	QPSK	18625	12RB#0	22.68	23.11	33	PASS
Band2	5MHz	QPSK	18625	12RB#6	22.71	23.14	33	PASS
Band2	5MHz	QPSK	18625	12RB#13	22.62	23.05	33	PASS
Band2	5MHz	QPSK	18625	25RB#0	22.72	23.15	33	PASS
Band2	5MHz	QPSK	18900	1RB#0	23.79	24.22	33	PASS
Band2	5MHz	QPSK	18900	1RB#12	23.79	24.22	33	PASS
Band2	5MHz	QPSK	18900	1RB#24	23.73	24.16	33	PASS



Band2	5MHz	QPSK	18900	12RB#0	22.73	23.16	33	PASS
Band2	5MHz	QPSK	18900	12RB#6	22.70	23.13	33	PASS
Band2	5MHz	QPSK	18900	12RB#13	22.77	23.20	33	PASS
Band2	5MHz	QPSK	18900	25RB#0	22.72	23.15	33	PASS
Band2	5MHz	QPSK	19175	1RB#0	24.14	24.57	33	PASS
Band2	5MHz	QPSK	19175	1RB#12	23.99	24.42	33	PASS
Band2	5MHz	QPSK	19175	1RB#24	23.87	24.30	33	PASS
Band2	5MHz	QPSK	19175	12RB#0	22.93	23.36	33	PASS
Band2	5MHz	QPSK	19175	12RB#6	22.80	23.23	33	PASS
Band2	5MHz	QPSK	19175	12RB#13	22.84	23.27	33	PASS
Band2	5MHz	QPSK	19175	25RB#0	22.84	23.27	33	PASS
Band2	5MHz	16QAM	18625	1RB#0	22.46	22.89	33	PASS
Band2	5MHz	16QAM	18625	1RB#12	22.70	23.13	33	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.64	23.07	33	PASS
Band2	5MHz	16QAM	18625	12RB#0	21.56	21.99	33	PASS
Band2	5MHz	16QAM	18625	12RB#6	21.60	22.03	33	PASS
Band2	5MHz	16QAM	18625	12RB#13	21.59	22.02	33	PASS
Band2	5MHz	16QAM	18625	25RB#0	21.88	22.31	33	PASS
Band2	5MHz	16QAM	18900	1RB#0	22.36	22.79	33	PASS
Band2	5MHz	16QAM	18900	1RB#12	22.34	22.77	33	PASS
Band2	5MHz	16QAM	18900	1RB#24	22.57	23.00	33	PASS
Band2	5MHz	16QAM	18900	12RB#0	21.80	22.23	33	PASS
Band2	5MHz	16QAM	18900	12RB#6	21.66	22.09	33	PASS
Band2	5MHz	16QAM	18900	12RB#13	21.51	21.94	33	PASS
Band2	5MHz	16QAM	18900	25RB#0	21.70	22.13	33	PASS
Band2	5MHz	16QAM	19175	1RB#0	22.33	22.76	33	PASS
Band2	5MHz	16QAM	19175	1RB#12	22.74	23.17	33	PASS
Band2	5MHz	16QAM	19175	1RB#24	22.48	22.91	33	PASS
Band2	5MHz	16QAM	19175	12RB#0	22.08	22.51	33	PASS
Band2	5MHz	16QAM	19175	12RB#6	21.90	22.33	33	PASS
Band2	5MHz	16QAM	19175	12RB#13	21.87	22.30	33	PASS
Band2	5MHz	16QAM	19175	25RB#0	22.04	22.47	33	PASS
Band2	10MHz	QPSK	18650	1RB#0	24.07	24.50	33	PASS
Band2	10MHz	QPSK	18650	1RB#24	24.20	24.63	33	PASS



Band2	10MHz	QPSK	18650	1RB#49	23.89	24.32	33	PASS
Band2	10MHz	QPSK	18650	25RB#0	22.75	23.18	33	PASS
Band2	10MHz	QPSK	18650	25RB#12	22.66	23.09	33	PASS
Band2	10MHz	QPSK	18650	25RB#25	22.72	23.15	33	PASS
Band2	10MHz	QPSK	18650	50RB#0	22.83	23.26	33	PASS
Band2	10MHz	QPSK	18900	1RB#0	24.04	24.47	33	PASS
Band2	10MHz	QPSK	18900	1RB#24	24.19	24.62	33	PASS
Band2	10MHz	QPSK	18900	1RB#49	23.73	24.16	33	PASS
Band2	10MHz	QPSK	18900	25RB#0	22.73	23.16	33	PASS
Band2	10MHz	QPSK	18900	25RB#12	22.78	23.21	33	PASS
Band2	10MHz	QPSK	18900	25RB#25	22.64	23.07	33	PASS
Band2	10MHz	QPSK	18900	50RB#0	22.74	23.17	33	PASS
Band2	10MHz	QPSK	19150	1RB#0	24.16	24.59	33	PASS
Band2	10MHz	QPSK	19150	1RB#24	24.21	24.64	33	PASS
Band2	10MHz	QPSK	19150	1RB#49	23.99	24.42	33	PASS
Band2	10MHz	QPSK	19150	25RB#0	22.91	23.34	33	PASS
Band2	10MHz	QPSK	19150	25RB#12	22.98	23.41	33	PASS
Band2	10MHz	QPSK	19150	25RB#25	22.83	23.26	33	PASS
Band2	10MHz	QPSK	19150	50RB#0	22.93	23.36	33	PASS
Band2	10MHz	16QAM	18650	1RB#0	22.84	23.27	33	PASS
Band2	10MHz	16QAM	18650	1RB#24	22.56	22.99	33	PASS
Band2	10MHz	16QAM	18650	1RB#49	22.24	22.67	33	PASS
Band2	10MHz	16QAM	18650	25RB#0	21.83	22.26	33	PASS
Band2	10MHz	16QAM	18650	25RB#12	21.85	22.28	33	PASS
Band2	10MHz	16QAM	18650	25RB#25	21.60	22.03	33	PASS
Band2	10MHz	16QAM	18650	50RB#0	21.90	22.33	33	PASS
Band2	10MHz	16QAM	18900	1RB#0	22.54	22.97	33	PASS
Band2	10MHz	16QAM	18900	1RB#24	22.56	22.99	33	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.31	22.74	33	PASS
Band2	10MHz	16QAM	18900	25RB#0	21.92	22.35	33	PASS
Band2	10MHz	16QAM	18900	25RB#12	21.90	22.33	33	PASS
Band2	10MHz	16QAM	18900	25RB#25	21.72	22.15	33	PASS
Band2	10MHz	16QAM	18900	50RB#0	21.77	22.20	33	PASS
Band2	10MHz	16QAM	19150	1RB#0	22.89	23.32	33	PASS



Band2	10MHz	16QAM	19150	1RB#24	22.77	23.20	33	PASS
Band2	10MHz	16QAM	19150	1RB#49	22.35	22.78	33	PASS
Band2	10MHz	16QAM	19150	25RB#0	21.84	22.27	33	PASS
Band2	10MHz	16QAM	19150	25RB#12	22.15	22.58	33	PASS
Band2	10MHz	16QAM	19150	25RB#25	21.75	22.18	33	PASS
Band2	10MHz	16QAM	19150	50RB#0	21.95	22.38	33	PASS
Band2	15MHz	QPSK	18675	1RB#0	24.02	24.45	33	PASS
Band2	15MHz	QPSK	18675	1RB#38	23.92	24.35	33	PASS
Band2	15MHz	QPSK	18675	1RB#74	23.80	24.23	33	PASS
Band2	15MHz	QPSK	18675	38RB#0	22.81	23.24	33	PASS
Band2	15MHz	QPSK	18675	38RB#18	22.75	23.18	33	PASS
Band2	15MHz	QPSK	18675	38RB#37	22.61	23.04	33	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.75	23.18	33	PASS
Band2	15MHz	QPSK	18900	1RB#0	24.02	24.45	33	PASS
Band2	15MHz	QPSK	18900	1RB#38	24.20	24.63	33	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.77	24.20	33	PASS
Band2	15MHz	QPSK	18900	38RB#0	22.80	23.23	33	PASS
Band2	15MHz	QPSK	18900	38RB#18	22.83	23.26	33	PASS
Band2	15MHz	QPSK	18900	38RB#37	22.60	23.03	33	PASS
Band2	15MHz	QPSK	18900	75RB#0	22.73	23.16	33	PASS
Band2	15MHz	QPSK	19125	1RB#0	24.08	24.51	33	PASS
Band2	15MHz	QPSK	19125	1RB#38	24.21	24.64	33	PASS
Band2	15MHz	QPSK	19125	1RB#74	24.02	24.45	33	PASS
Band2	15MHz	QPSK	19125	38RB#0	22.97	23.40	33	PASS
Band2	15MHz	QPSK	19125	38RB#18	22.95	23.38	33	PASS
Band2	15MHz	QPSK	19125	38RB#37	22.80	23.23	33	PASS
Band2	15MHz	QPSK	19125	75RB#0	22.84	23.27	33	PASS
Band2	15MHz	16QAM	18675	1RB#0	22.55	22.98	33	PASS
Band2	15MHz	16QAM	18675	1RB#38	22.29	22.72	33	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.54	22.97	33	PASS
Band2	15MHz	16QAM	18675	38RB#0	21.66	22.09	33	PASS
Band2	15MHz	16QAM	18675	38RB#18	21.60	22.03	33	PASS
Band2	15MHz	16QAM	18675	38RB#37	21.60	22.03	33	PASS
Band2	15MHz	16QAM	18675	75RB#0	21.77	22.20	33	PASS



Band2	15MHz	16QAM	18900	1RB#0	22.74	23.17	33	PASS
Band2	15MHz	16QAM	18900	1RB#38	22.77	23.20	33	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.60	23.03	33	PASS
Band2	15MHz	16QAM	18900	38RB#0	21.86	22.29	33	PASS
Band2	15MHz	16QAM	18900	38RB#18	21.66	22.09	33	PASS
Band2	15MHz	16QAM	18900	38RB#37	21.76	22.19	33	PASS
Band2	15MHz	16QAM	18900	75RB#0	21.70	22.13	33	PASS
Band2	15MHz	16QAM	19125	1RB#0	22.45	22.88	33	PASS
Band2	15MHz	16QAM	19125	1RB#38	22.66	23.09	33	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.40	22.83	33	PASS
Band2	15MHz	16QAM	19125	38RB#0	22.12	22.55	33	PASS
Band2	15MHz	16QAM	19125	38RB#18	22.03	22.46	33	PASS
Band2	15MHz	16QAM	19125	38RB#37	21.87	22.30	33	PASS
Band2	15MHz	16QAM	19125	75RB#0	21.81	22.24	33	PASS
Band2	20MHz	QPSK	18700	1RB#0	23.95	24.38	33	PASS
Band2	20MHz	QPSK	18700	1RB#49	24.00	24.43	33	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.81	24.24	33	PASS
Band2	20MHz	QPSK	18700	50RB#0	22.86	23.29	33	PASS
Band2	20MHz	QPSK	18700	50RB#25	22.75	23.18	33	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.70	23.13	33	PASS
Band2	20MHz	QPSK	18700	100RB#0	22.73	23.16	33	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.99	24.42	33	PASS
Band2	20MHz	QPSK	18900	1RB#49	24.16	24.59	33	PASS
Band2	20MHz	QPSK	18900	1RB#99	23.68	24.11	33	PASS
Band2	20MHz	QPSK	18900	50RB#0	22.88	23.31	33	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.75	23.18	33	PASS
Band2	20MHz	QPSK	18900	50RB#50	22.74	23.17	33	PASS
Band2	20MHz	QPSK	18900	100RB#0	22.74	24.49	33	PASS
Band2	20MHz	QPSK	19100	1RB#0	24.06	24.76	33	PASS
Band2	20MHz	QPSK	19100	1RB#49	24.33	24.28	33	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.85	23.40	33	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.97	23.39	33	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.96	23.30	33	PASS
Band2	20MHz	QPSK	19100	50RB#50	22.87	23.27	33	PASS



Band2	20MHz	QPSK	19100	100RB#0	22.84	24.49	33	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.99	23.42	33	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.62	23.05	33	PASS
Band2	20MHz	16QAM	18700	1RB#99	22.60	23.03	33	PASS
Band2	20MHz	16QAM	18700	50RB#0	21.73	22.16	33	PASS
Band2	20MHz	16QAM	18700	50RB#25	21.74	22.17	33	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.70	22.13	33	PASS
Band2	20MHz	16QAM	18700	100RB#0	21.70	22.13	33	PASS
Band2	20MHz	16QAM	18900	1RB#0	22.46	22.89	33	PASS
Band2	20MHz	16QAM	18900	1RB#49	22.55	22.98	33	PASS
Band2	20MHz	16QAM	18900	1RB#99	22.52	22.95	33	PASS
Band2	20MHz	16QAM	18900	50RB#0	21.95	22.38	33	PASS
Band2	20MHz	16QAM	18900	50RB#25	21.70	22.13	33	PASS
Band2	20MHz	16QAM	18900	50RB#50	21.70	22.13	33	PASS
Band2	20MHz	16QAM	18900	100RB#0	21.60	22.03	33	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.33	22.76	33	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.79	23.22	33	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.62	23.05	33	PASS
Band2	20MHz	16QAM	19100	50RB#0	22.01	22.44	33	PASS
Band2	20MHz	16QAM	19100	50RB#25	22.08	22.51	33	PASS
Band2	20MHz	16QAM	19100	50RB#50	21.72	22.15	33	PASS
Band2	20MHz	16QAM	19100	100RB#0	21.82	22.25	33	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

c, Antenna gain of LTE Band 2 is 0.43dBi.

Note2: SET Span=1.5*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS

Appendix B: Peak-to-Average Ratio

Test Results

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	4.76	13	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	4.59	13	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	4.99	13	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	4.70	13	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	5.06	13	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	5.13	13	PASS
Band2	3MHz	QPSK	18615	15RB#0	4.57	13	PASS
Band2	3MHz	QPSK	18900	15RB#0	4.47	13	PASS
Band2	3MHz	QPSK	19185	15RB#0	4.89	13	PASS
Band2	3MHz	16QAM	18615	15RB#0	4.49	13	PASS
Band2	3MHz	16QAM	18900	15RB#0	4.87	13	PASS
Band2	3MHz	16QAM	19185	15RB#0	5.25	13	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.64	13	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.53	13	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.75	13	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.98	13	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.72	13	PASS
Band2	5MHz	16QAM	19175	25RB#0	5.01	13	PASS
Band2	10MHz	QPSK	18650	50RB#0	4.38	13	PASS
Band2	10MHz	QPSK	18900	50RB#0	4.48	13	PASS
Band2	10MHz	QPSK	19150	50RB#0	4.61	13	PASS
Band2	10MHz	16QAM	18650	50RB#0	4.46	13	PASS
Band2	10MHz	16QAM	18900	50RB#0	4.69	13	PASS
Band2	10MHz	16QAM	19150	50RB#0	4.75	13	PASS
Band2	15MHz	QPSK	18675	75RB#0	4.47	13	PASS
Band2	15MHz	QPSK	18900	75RB#0	4.58	13	PASS
Band2	15MHz	QPSK	19125	75RB#0	4.91	13	PASS
Band2	15MHz	16QAM	18675	75RB#0	4.41	13	PASS
Band2	15MHz	16QAM	18900	75RB#0	4.72	13	PASS
Band2	15MHz	16QAM	19125	75RB#0	4.85	13	PASS
Band2	20MHz	QPSK	18700	100RB#0	4.62	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	4.70	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	4.99	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	4.91	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	5.02	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	5.20	13	PASS

Appendix C: Modulation Characteristics

Test Result:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	PASS	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	PASS	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	PASS	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	PASS	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	PASS	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	PASS	PASS
Band2	3MHz	QPSK	18615	15RB#0	PASS	PASS
Band2	3MHz	QPSK	18900	15RB#0	PASS	PASS
Band2	3MHz	QPSK	19185	15RB#0	PASS	PASS
Band2	3MHz	16QAM	18615	15RB#0	PASS	PASS
Band2	3MHz	16QAM	18900	15RB#0	PASS	PASS
Band2	3MHz	16QAM	19185	15RB#0	PASS	PASS
Band2	5MHz	QPSK	18625	25RB#0	PASS	PASS
Band2	5MHz	QPSK	18900	25RB#0	PASS	PASS
Band2	5MHz	QPSK	19175	25RB#0	PASS	PASS
Band2	5MHz	16QAM	18625	25RB#0	PASS	PASS
Band2	5MHz	16QAM	18900	25RB#0	PASS	PASS
Band2	5MHz	16QAM	19175	25RB#0	PASS	PASS
Band2	10MHz	QPSK	18650	50RB#0	PASS	PASS
Band2	10MHz	QPSK	18900	50RB#0	PASS	PASS
Band2	10MHz	QPSK	19150	50RB#0	PASS	PASS
Band2	10MHz	16QAM	18650	50RB#0	PASS	PASS
Band2	10MHz	16QAM	18900	50RB#0	PASS	PASS
Band2	10MHz	16QAM	19150	50RB#0	PASS	PASS
Band2	15MHz	QPSK	18675	75RB#0	PASS	PASS
Band2	15MHz	QPSK	18900	75RB#0	PASS	PASS
Band2	15MHz	QPSK	19125	75RB#0	PASS	PASS
Band2	15MHz	16QAM	18675	75RB#0	PASS	PASS
Band2	15MHz	16QAM	18900	75RB#0	PASS	PASS
Band2	15MHz	16QAM	19125	75RB#0	PASS	PASS
Band2	20MHz	QPSK	18700	100RB#0	PASS	PASS
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	QPSK	19100	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18700	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	19100	100RB#0	PASS	PASS

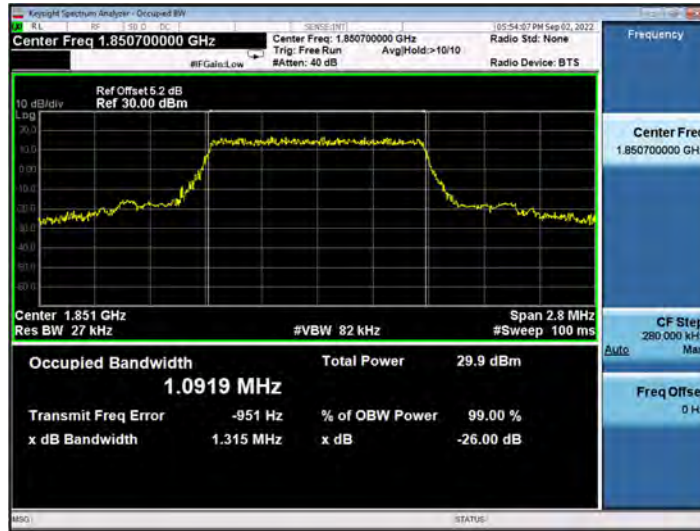
Appendix D: Bandwidth

Test Results

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.0919	1.315	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.1023	1.303	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.088	1.276	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.0945	1.296	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.0871	1.276	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.0948	1.301	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.7003	3.010	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.6999	3.002	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.7037	2.995	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.6997	2.998	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.7057	3.005	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.7001	2.979	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.5253	5.015	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.054	4.994	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.5144	5.008	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.5060	4.968	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.054	5.016	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.5095	4.968	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.9725	9.956	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.9447	9.839	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.9763	9.850	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.9658	9.894	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.9504	9.848	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.9745	9.851	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.451	14.76	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.417	14.55	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.377	14.61	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.457	14.67	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.407	14.69	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.373	14.61	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.925	19.43	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.850	19.30	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.812	19.38	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.921	19.36	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.831	19.27	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.798	19.25	PASS

Test Plots

Band2-1.4MHz-QPSK-18607-6RB#0



Band2-1.4MHz-QPSK-18900-6RB#0



Band2-1.4MHz-QPSK-19193-6RB#0



Band2-1.4MHz-16QAM-18607-6RB#0



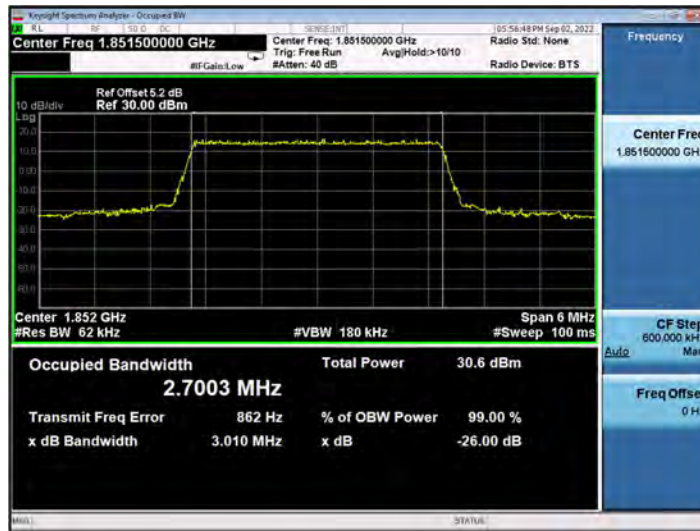
Band2-1.4MHz-16QAM-18900-6RB#0



Band2-1.4MHz-16QAM-19193-6RB#0



Band2-3MHz-QPSK-18615-15RB#0



Band2-3MHz-QPSK-18900-15RB#0



Band2-3MHz-QPSK-19185-15RB#0



Band2-3MHz-16QAM-18615-15RB#0



Band2-3MHz-16QAM-18900-15RB#0



Band2-3MHz-16QAM-19185-15RB#0



Band2-5MHz-QPSK-18625-25RB#0



Band2-5MHz-QPSK-18900-25RB#0



Band2-5MHz-QPSK-19175-25RB#0



Band2-5MHz-16QAM-18625-25RB#0



Band2-5MHz-16QAM-18900-25RB#0



Band2-5MHz-16QAM-19175-25RB#0



Band2-10MHz-QPSK-18650-50RB#0



Band2-10MHz-QPSK-18900-50RB#0



Band2-10MHz-QPSK-19150-50RB#0



Band2-10MHz-16QAM-18650-50RB#0



Band2-10MHz-16QAM-18900-50RB#0



Band2-10MHz-16QAM-19150-50RB#0



Band2-15MHz-QPSK-18675-75RB#0



Band2-15MHz-QPSK-18900-75RB#0



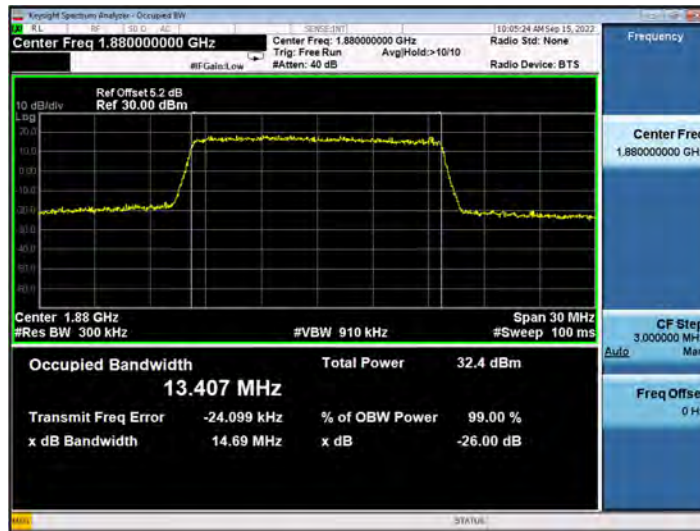
Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-16QAM-18675-75RB#0



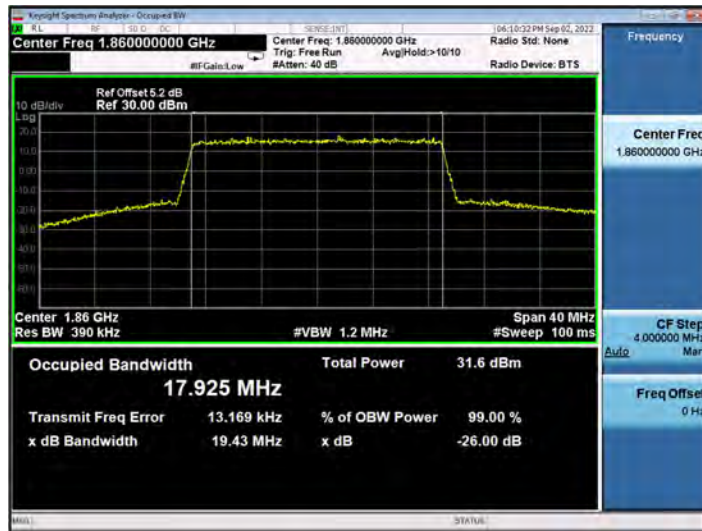
Band2-15MHz-16QAM-18900-75RB#0



Band2-15MHz-16QAM-19125-75RB#0



Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-18900-100RB#0



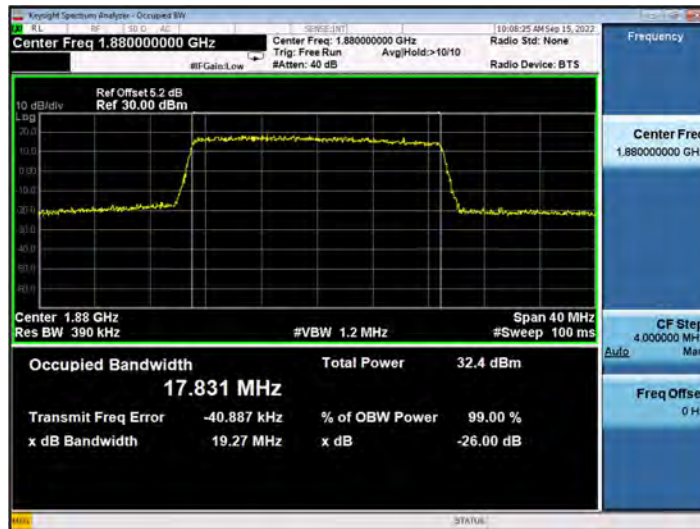
Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-100RB#0



Band2-20MHz-16QAM-18900-100RB#0



Band2-20MHz-16QAM-19100-100RB#0



Appendix E: Band Edges Compliance

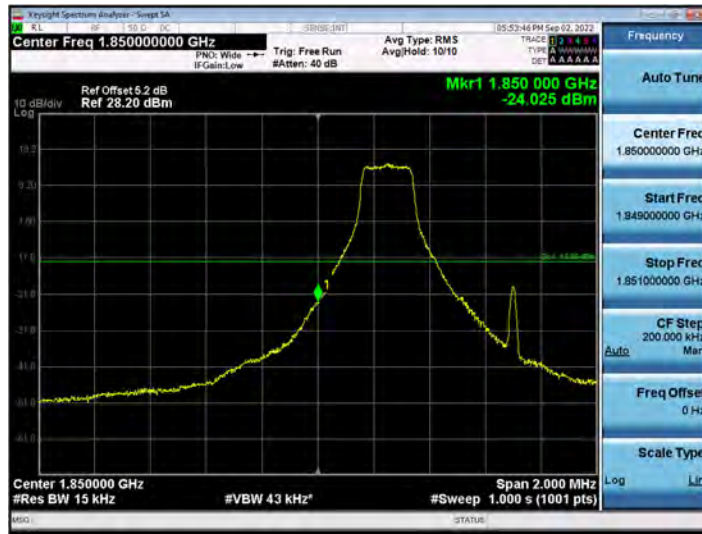
Test Results :

Worst Case as follows:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-24.025	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-27.547	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-24.098	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-27.491	PASS
Band2	3MHz	QPSK	18615	1RB#0	-19.165	PASS
Band2	3MHz	QPSK	18615	15RB#0	-26.872	PASS
Band2	3MHz	QPSK	19185	1RB#14	-20.929	PASS
Band2	3MHz	QPSK	19185	15RB#0	-26.240	PASS
Band2	5MHz	QPSK	18625	1RB#0	-21.385	PASS
Band2	5MHz	QPSK	18625	25RB#0	-26.988	PASS
Band2	5MHz	QPSK	19175	1RB#24	-22.125	PASS
Band2	5MHz	QPSK	19175	25RB#0	-27.730	PASS
Band2	10MHz	QPSK	18650	1RB#0	-30.650	PASS
Band2	10MHz	QPSK	18650	50RB#0	-27.877	PASS
Band2	10MHz	QPSK	19150	1RB#49	-32.135	PASS
Band2	10MHz	QPSK	19150	50RB#0	-30.597	PASS
Band2	15MHz	QPSK	18675	1RB#0	-28.463	PASS
Band2	15MHz	QPSK	18675	75RB#0	-27.983	PASS
Band2	15MHz	QPSK	19125	1RB#74	-29.684	PASS
Band2	15MHz	QPSK	19125	75RB#0	-31.457	PASS
Band2	20MHz	QPSK	18700	1RB#0	-32.639	PASS
Band2	20MHz	QPSK	18700	100RB#0	-27.504	PASS
Band2	20MHz	QPSK	19100	1RB#99	-32.284	PASS
Band2	20MHz	QPSK	19100	100RB#0	-30.079	PASS

Test Plots

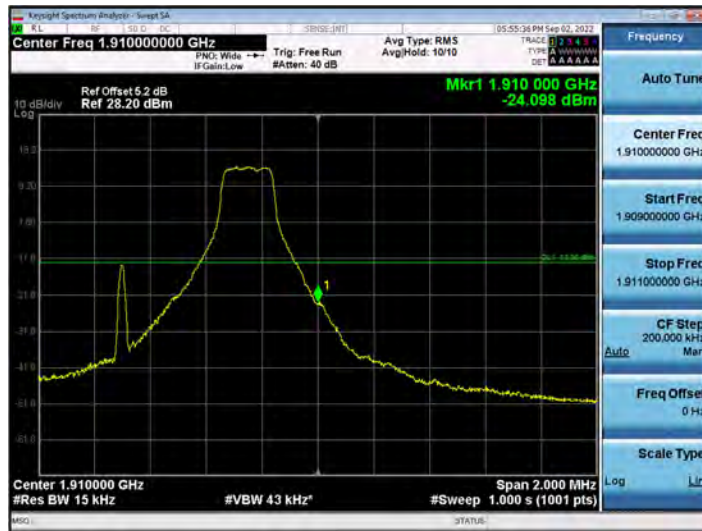
Band2-1.4MHz-QPSK-18607-1RB#0



Band2-1.4MHz-QPSK-18607-6RB#0



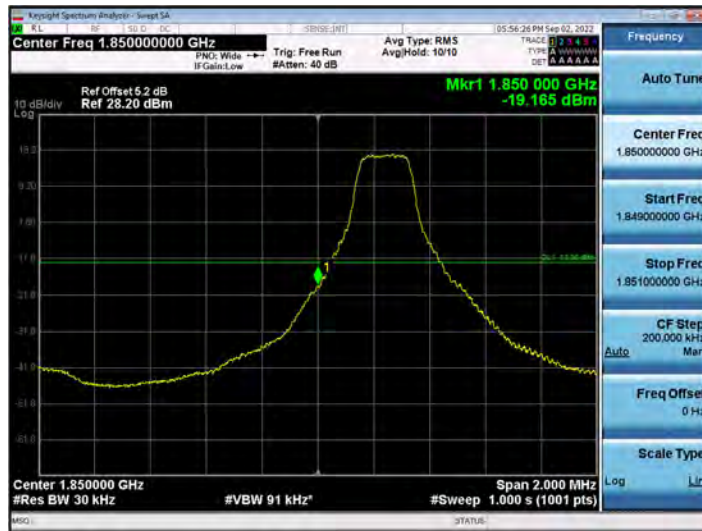
Band2-1.4MHz-QPSK-19193-1RB#5



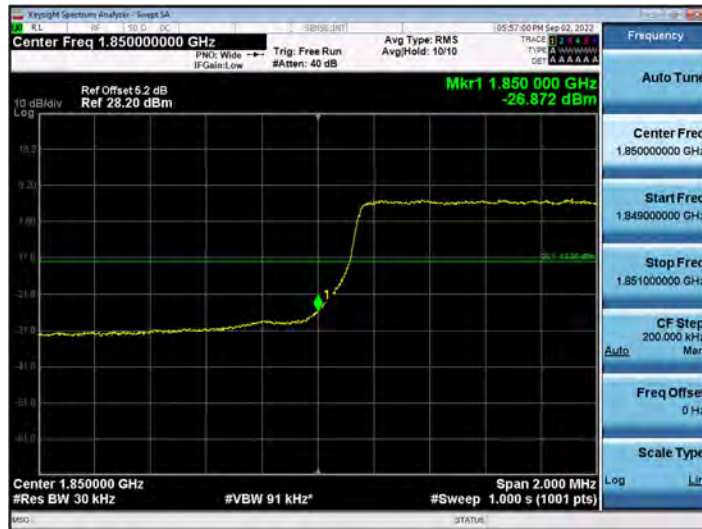
Band2-1.4MHz-QPSK-19193-6RB#0



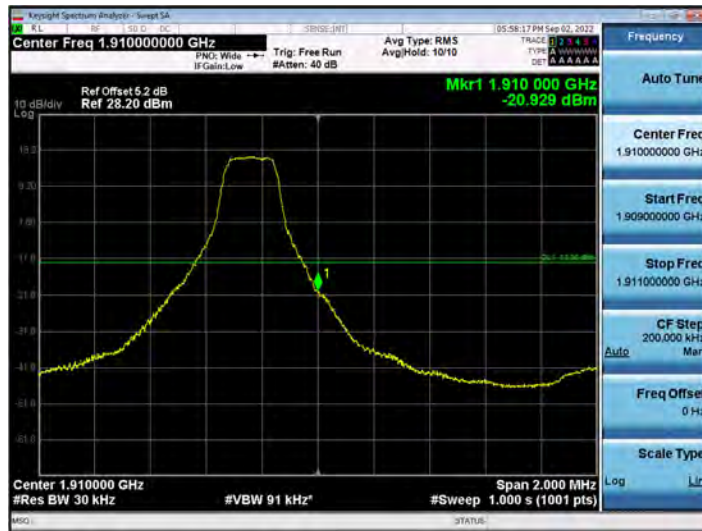
Band2-3MHz-QPSK-18615-1RB#0



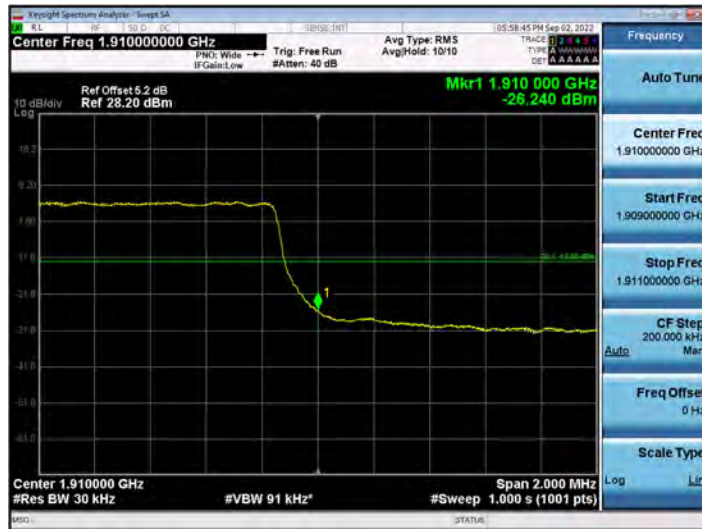
Band2-3MHz-QPSK-18615-15RB#0



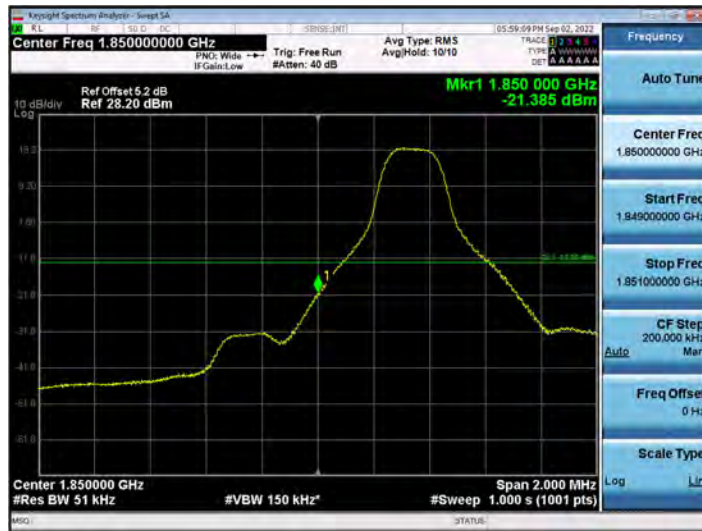
Band2-3MHz-QPSK-19185-1RB#14



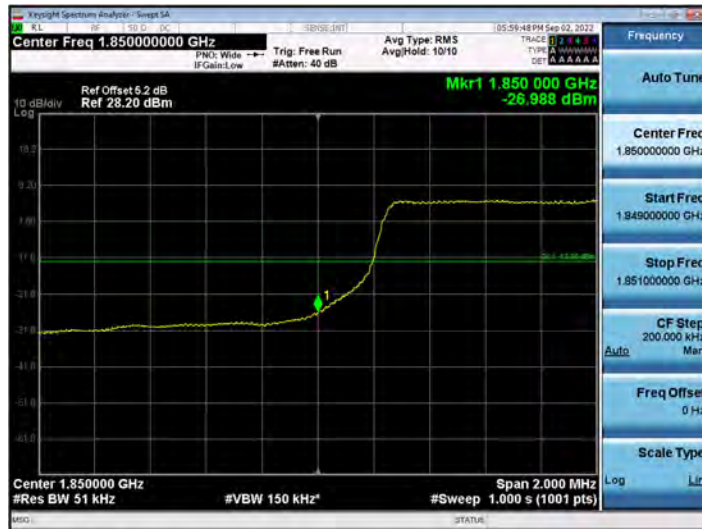
Band2-3MHz-QPSK-19185-15RB#0



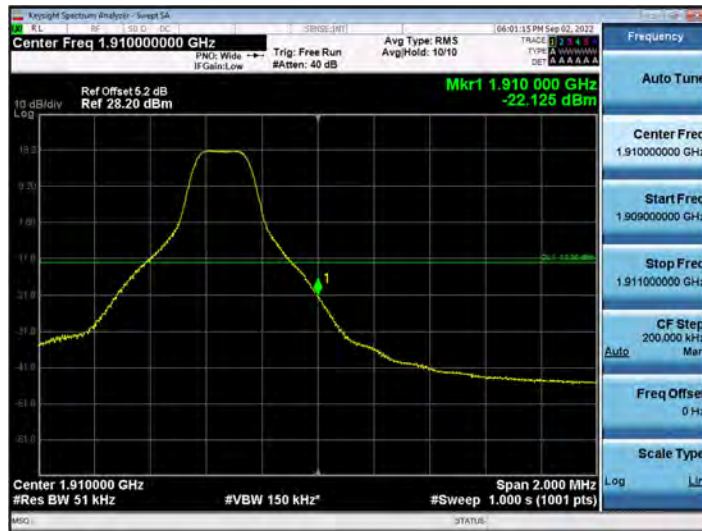
Band2-5MHz-QPSK-18625-1RB#0



Band2-5MHz-QPSK-18625-25RB#0



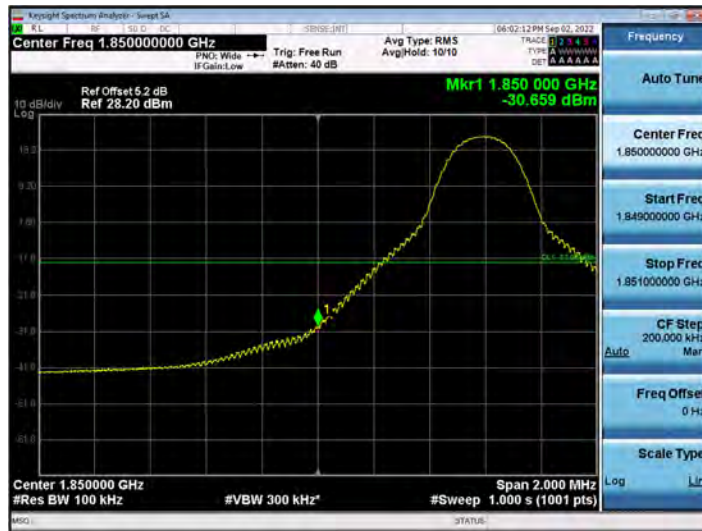
Band2-5MHz-QPSK-19175-1RB#24



Band2-5MHz-QPSK-19175-25RB#0



Band2-10MHz-QPSK-18650-1RB#0



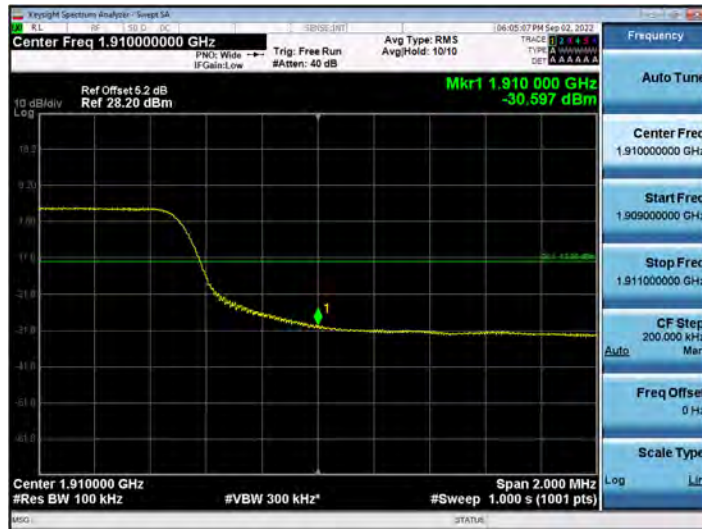
Band2-10MHz-QPSK-18650-50RB#0



Band2-10MHz-QPSK-19150-1RB#49



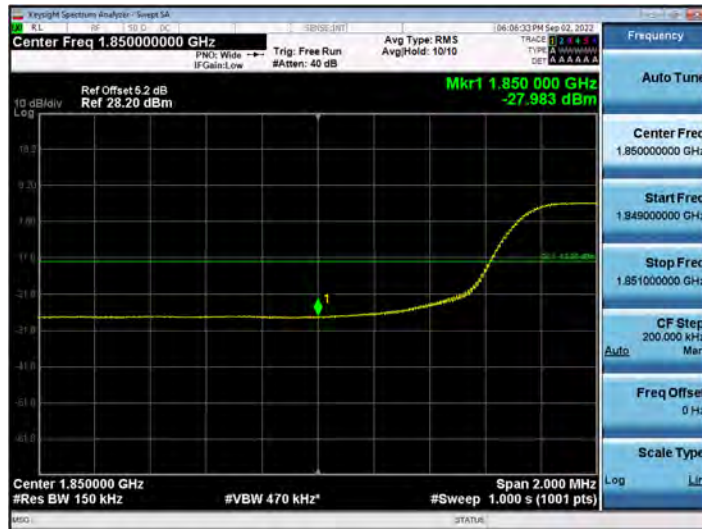
Band2-10MHz-QPSK-19150-50RB#0



Band2-15MHz-QPSK-18675-1RB#0



Band2-15MHz-QPSK-18675-1RB#74



Band2-15MHz-QPSK-19125-1RB#74



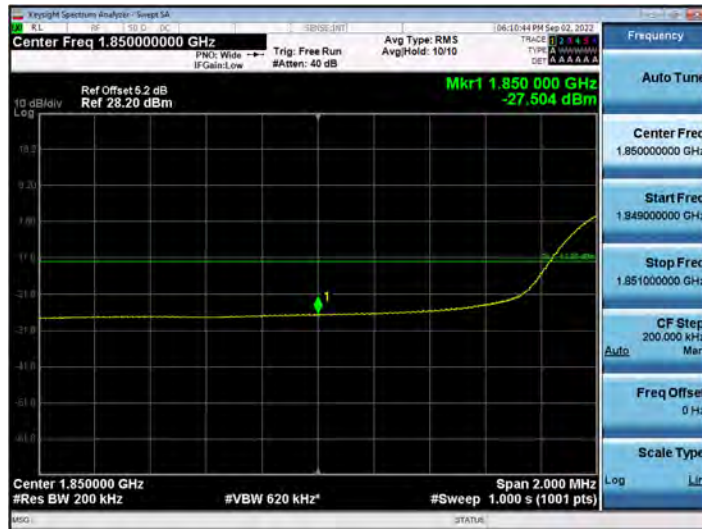
Band2-15MHz-QPSK-19125-75RB#0



Band2-20MHz-QPSK-18700-1RB#0



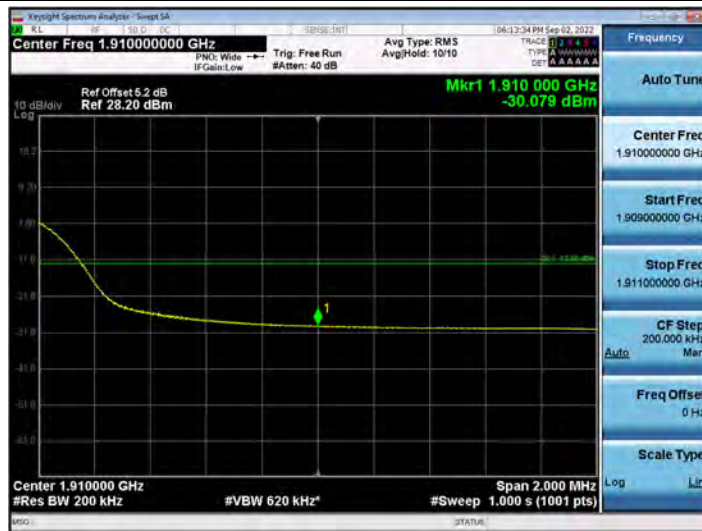
Band2-20MHz-QPSK-18700-100RB#0



Band2-20MHz-QPSK-19100-1RB#99



Band2-20MHz-QPSK-19100-100RB#0



Appendix F Spurious Emission at Antenna Terminals

Test Result:

Worst Case as follows:

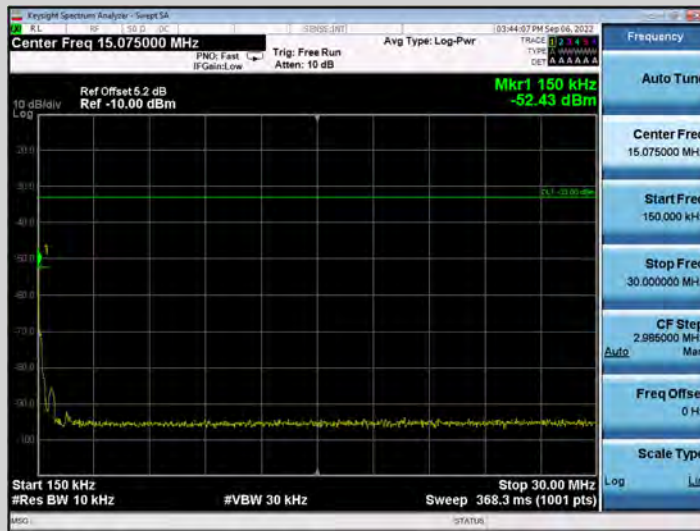
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:9~150Hz	-54.49	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:150KHz~30MHz	-52.43	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range3:30~18800MHz	-60.65	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range1:9~150Hz	-53.57	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range2:150KHz~30MHz	-52.68	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range3:30~18800MHz	-59.43	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range1:9~150Hz	-55.54	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range2:150KHz~30MHz	-53.51	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range3:30~18800MHz	-60.28	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range1:9~150Hz	-53.73	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range2:150KHz~30MHz	-52.29	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range3:30~18800MHz	-59.21	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range1:9~150Hz	-54.85	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range2:150KHz~30MHz	-51.96	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range3:30~18800MHz	-58.71	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:9~150Hz	-54.93	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:150KHz~30MHz	-52.52	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range3:30~18800MHz	-59.47	PASS

Test Plots

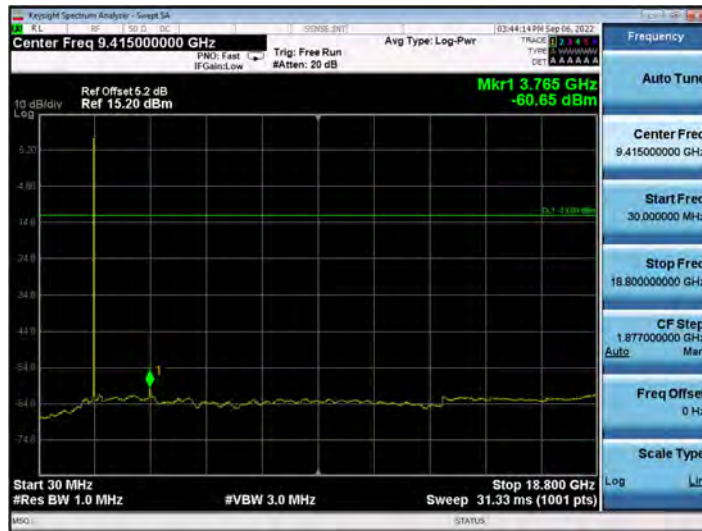
Band2-1.4MHz-QPSK-18900-1RB#0-Range1:9KHz~150KHz



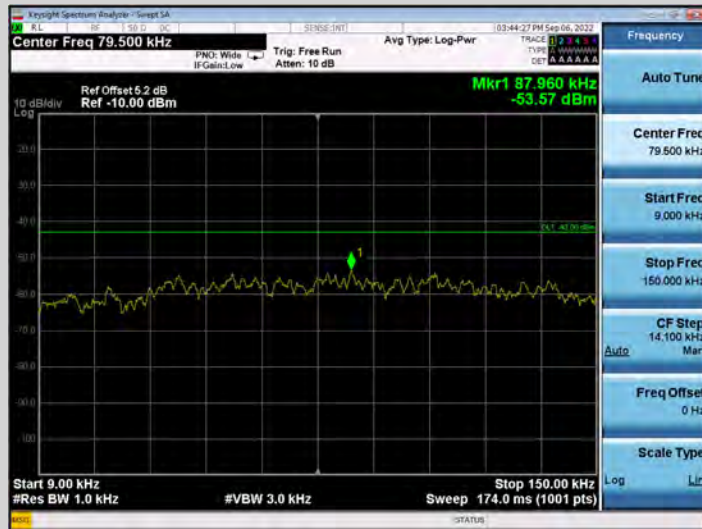
Band2-1.4MHz-QPSK-18900-1RB#0-Range2:150KHz~30MHz



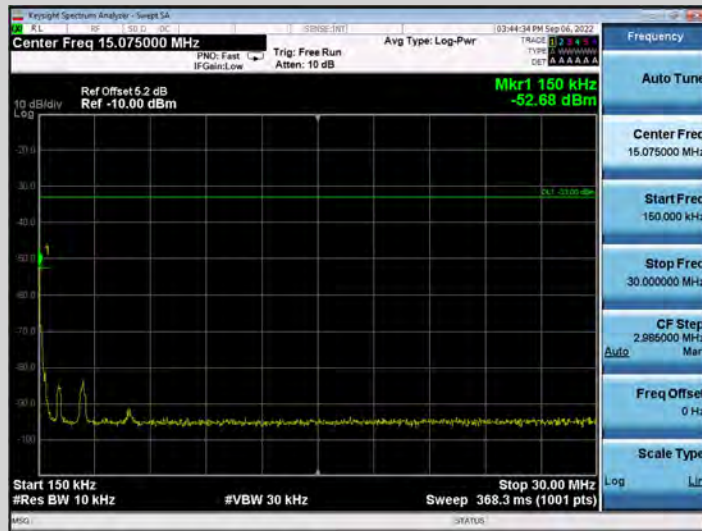
Band2-1.4MHz-QPSK-18900-1RB#0-Range3:30~18800MHz



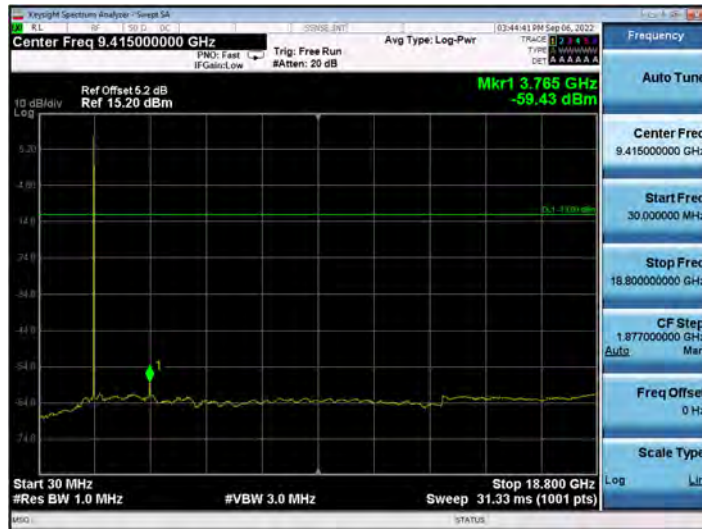
Band2-3MHz-QPSK-18900-1RB#0-Range1:9KHz~150KHz



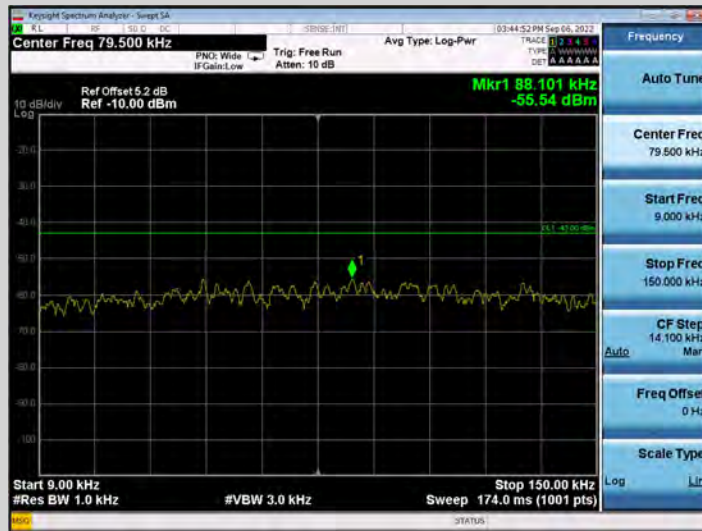
Band2-3MHz-QPSK-18900-1RB#0-Range2:150KHz~30MHz



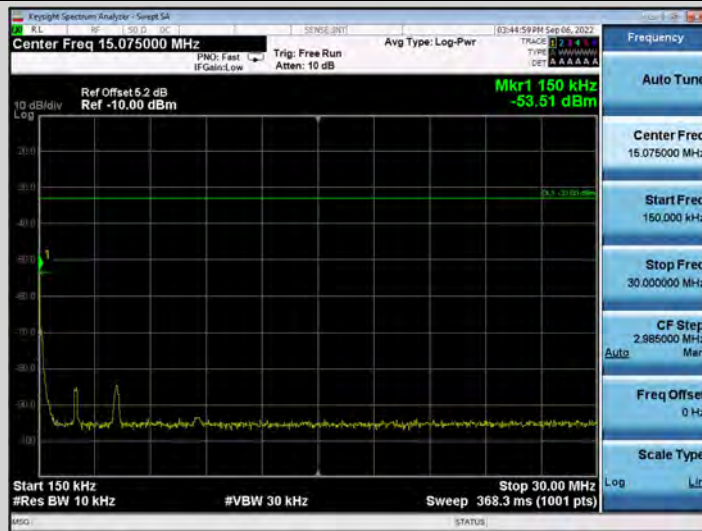
Band2-3MHz-QPSK-18900-1RB#0-Range3:30~18800MHz



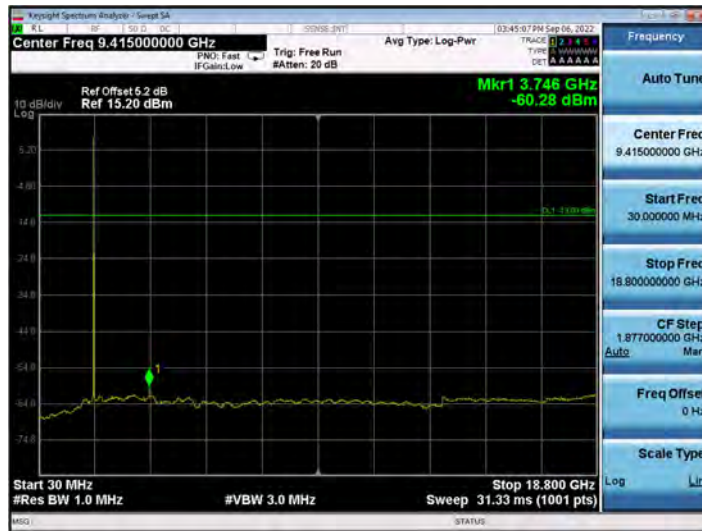
Band2-5MHz-QPSK-18900-1RB#0-Range1:9KHz~150KHz



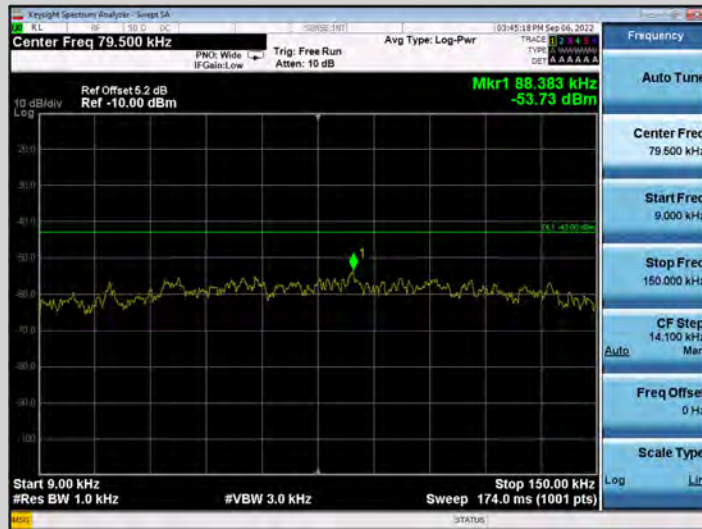
Band2-5MHz-QPSK-18900-1RB#0-Range2:150KHz~30MHz



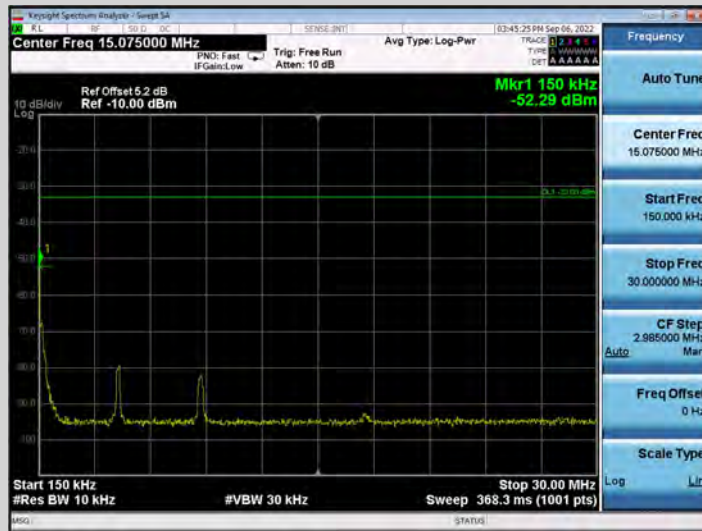
Band2-5MHz-QPSK-18900-1RB#0-Range3:30~18800MHz



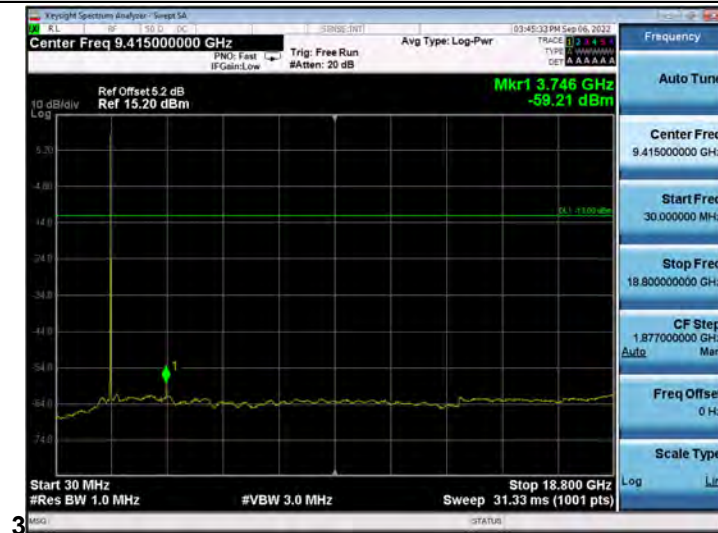
Band2-10MHz-QPSK-18900-1RB#0-Range1:9KHz~150KHz



Band2-10MHz-QPSK-18900-1RB#0-Range2:150KHz~30MHz



Band2-10MHz-QPSK-18900-1RB#0-Range3:30~18800MHz

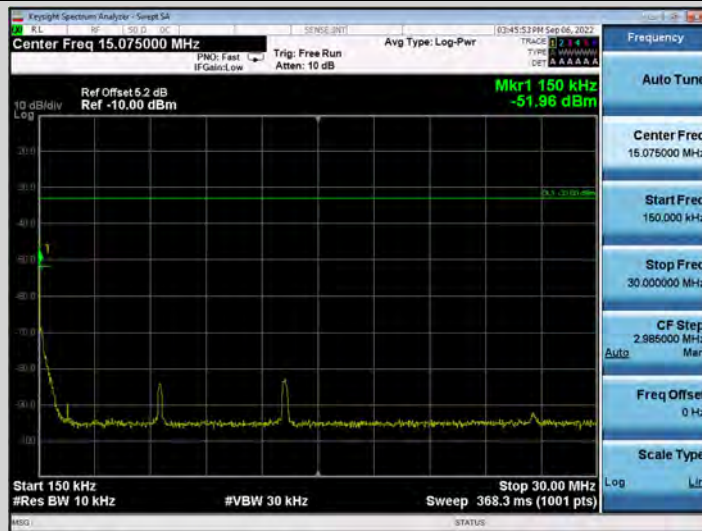


3

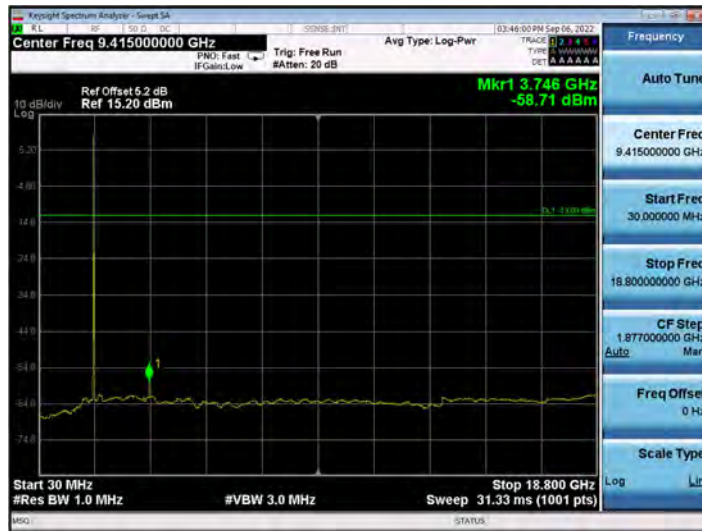
Band2-15MHz-QPSK-18900-1RB#0-Range1:9KHz~150KHz



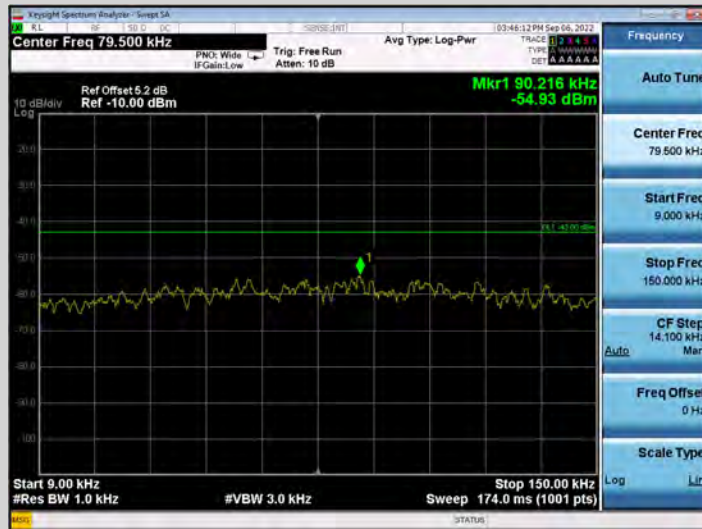
Band2-15MHz-QPSK-18900-1RB#0-Range2:150KHz~30MHz



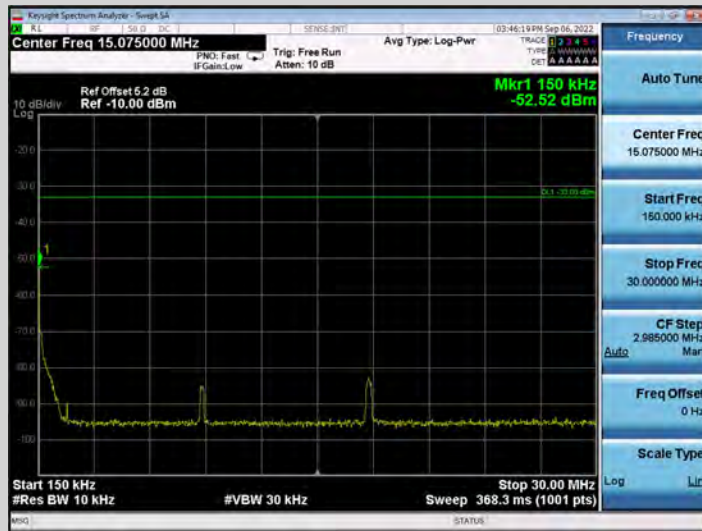
Band2-15MHz-QPSK-18900-1RB#0-Range3:30~18800MHz



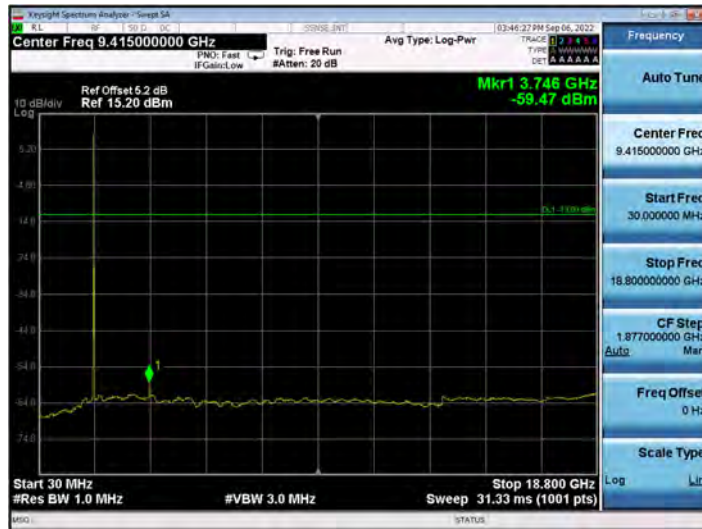
Band2-20MHz-QPSK-18900-1RB#0-Range1:9KHz~150KHz



Band2-20MHz-QPSK-18900-1RB#0-Range2:150KHz~30MHz



Band2-20MHz-QPSK-18900-1RB#0-Range3:30~18800MHz



Appendix G Field Strength of Spurious Radiation

The transmitting equipment under test (EUT) is placed on a styrene turntable which is four feet in diameter and approximately 0.8 meter up to 1GHz and 1.5 meter above 1GHz in height above the ground plane. During the radiated emissions test, the turntable is rotated and any cables leaving the EUT are manipulated to find the configuration resulting in maximum emissions. The EUT is adjusted through all three orthogonal axes to obtain maximum emission levels. The antenna height and polarization are varied during the testing to search for maximum signal levels.

The frequency range scanned is from the lowest radio frequency signal generated in the device which is greater than 9 kHz to the tenth harmonic of the highest fundamental frequency or 40 GHz, whichever is lower. The emissions were very low against the limit in the frequency range 9kHz to 30MHz and 18 GHz ~ 20 GHz.

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30kHz, Detector: PK

30MHz~1GHz, RBW = 100kHz, VBW = 300kHz. Detector: RMS

Above 1GHz, RBW = 1MHz, VBW = 3MHz. Detector: RMS

Test Plots

Test Band = BAND2

Worst Test Bandwidth = 5MHz-Middle channel(30MHz~1GHz)

Worst Test Bandwidth = 1.4MHz, 5MHz,20MHz, -Middle channel(1GHz~18GHz)

Note:

1. The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.
2. The EUT is tested radiation emission at each test mode in three axes. The worst emissions are reported in all test mode and channels.
3. Measurement = Reading + Correct Factor
Over = Measurement – Limit.

Middle channel Horizontal
Below 1G
BW_5MHz
Radiated Emission Measurement

File :FCCP_BELOW1G

Data :#2

Date: 2022/9/13

Time: 11:02:31



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		144.4600	-66.70	-5.41	-72.11	-13.00	-59.11	RMS
2	*	239.5200	-60.01	-4.02	-64.03	-13.00	-51.03	RMS
3		440.3100	-72.19	-1.37	-73.56	-13.00	-60.56	RMS
4		640.1300	-74.73	1.94	-72.79	-13.00	-59.79	RMS
5		800.1800	-71.34	4.28	-67.06	-13.00	-54.06	RMS
6		839.9500	-72.51	4.22	-68.29	-13.00	-55.29	RMS

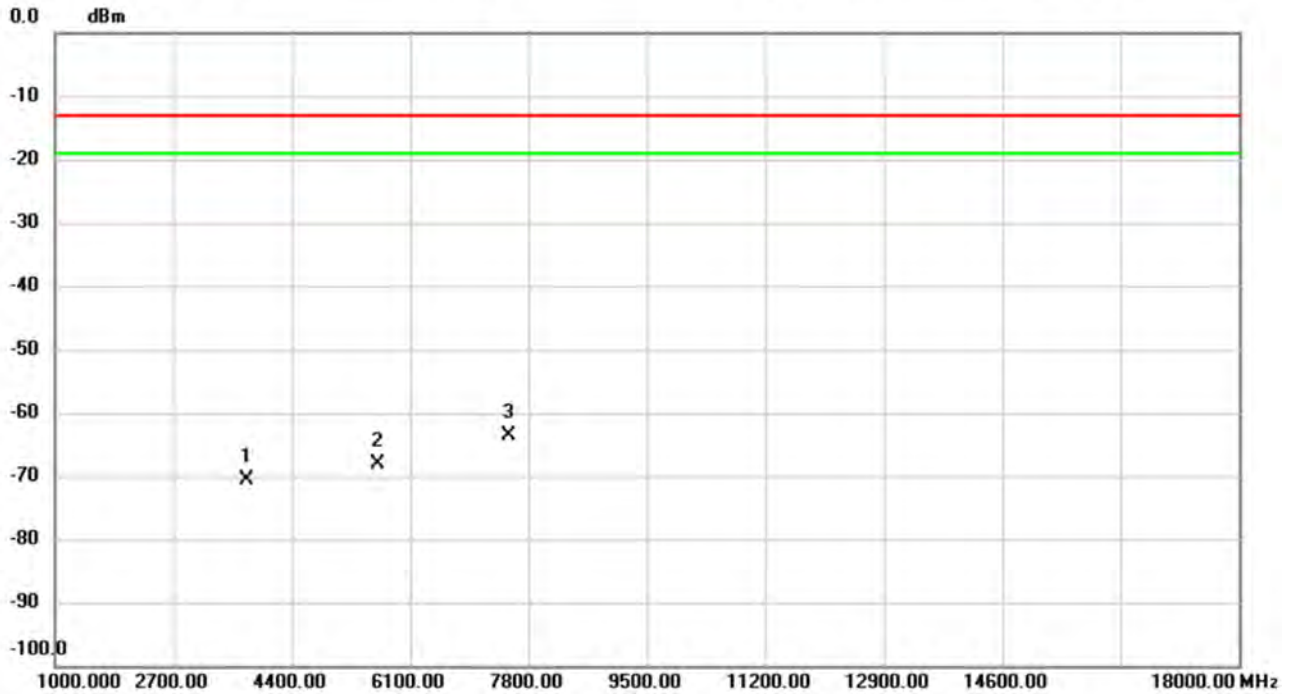
**Above IG
BW_1.4MHz-
Radiated Emission Measurement**

File :FCCP_ABOVE1G

Data :#4

Date: 2022/9/7

Time: 11:28:39



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		3755.500	-63.85	-6.88	-70.73	-13.00	-57.73	RMS
2		5633.250	-63.85	-4.21	-68.06	-13.00	-55.06	RMS
3	*	7511.000	-63.85	0.17	-63.68	-13.00	-50.68	RMS

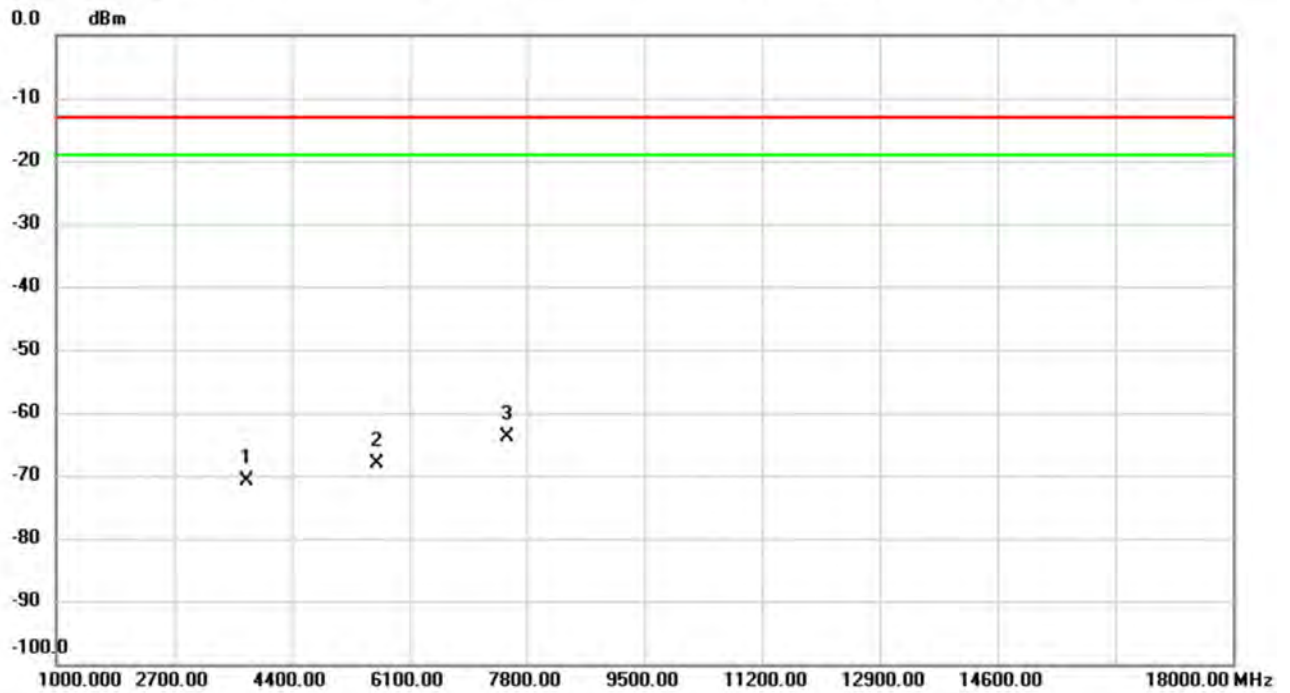
**BW_5MHz
Radiated Emission Measurement**

File :FCCP_ABOVE1G

Data :#2

Date: 2022/9/7

Time: 11:23:11



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		3755.500	-64.08	-6.88	-70.96	-13.00	-57.96	RMS
2		5641.000	-64.01	-4.19	-68.20	-13.00	-55.20	RMS
3	*	7511.000	-64.02	0.17	-63.85	-13.00	-50.85	RMS

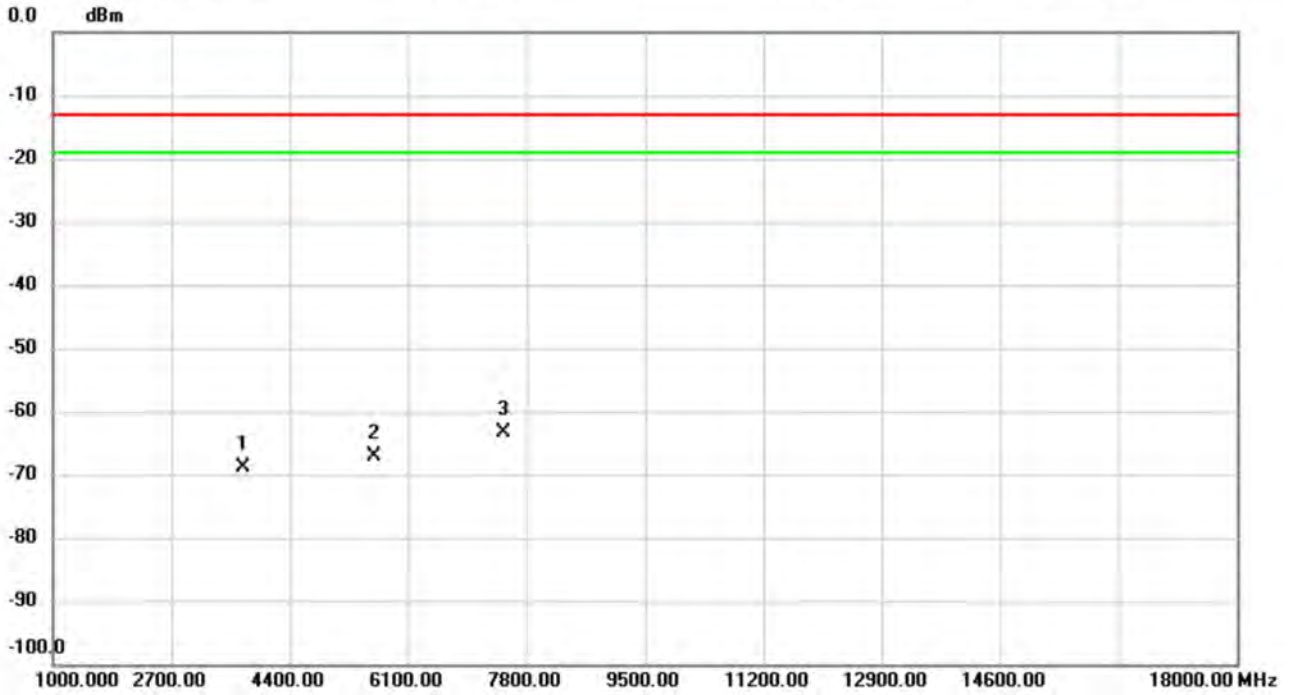
**BW_20MHz
Radiated Emission Measurement**

File :FCCP_ABOVE1G

Data :#6

Date: 2022/9/7

Time: 11:32:24



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		3737.000	-61.89	-6.92	-68.81	-13.00	-55.81	RMS
2		5607.000	-62.84	-4.28	-67.12	-13.00	-54.12	RMS
3	*	7477.000	-63.60	0.12	-63.48	-13.00	-50.48	RMS

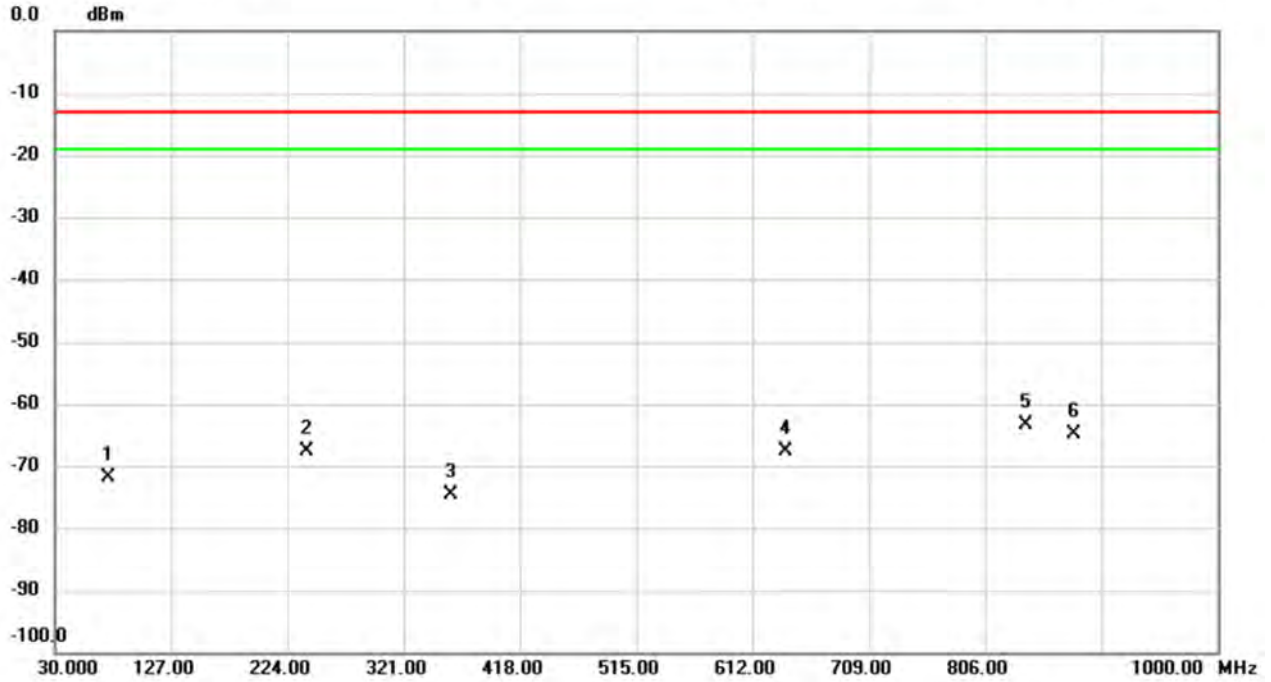
Middle channel Vertical
Below 1G
BW_5MHz
Radiated Emission Measurement

File :FCCP_BELOW1G

Data :#1

Date: 2022/9/13

Time: 10:58:54



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		74.6200	-61.19	-10.68	-71.87	-13.00	-58.87	RMS
2		239.5200	-62.23	-5.49	-67.72	-13.00	-54.72	RMS
3		359.8000	-72.27	-2.29	-74.56	-13.00	-61.56	RMS
4		640.1300	-69.48	1.95	-67.53	-13.00	-54.53	RMS
5	*	839.9500	-67.03	3.60	-63.43	-13.00	-50.43	RMS
6		879.7200	-68.78	3.99	-64.79	-13.00	-51.79	RMS

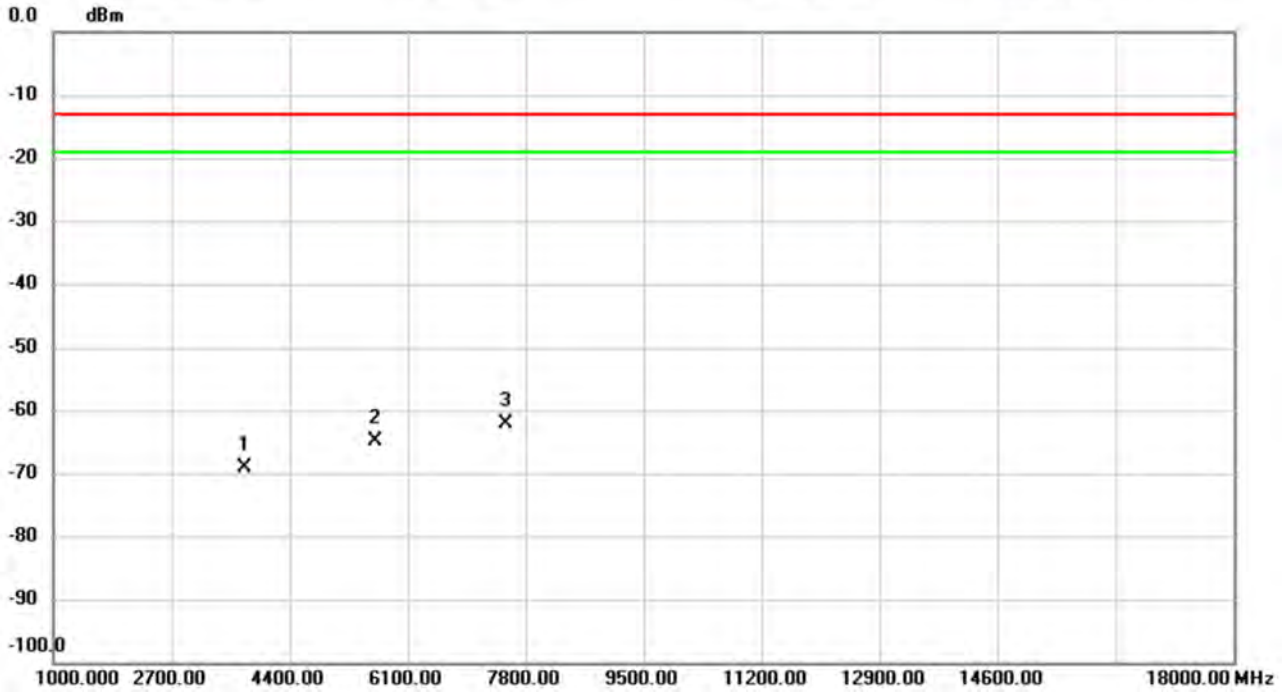
Above IG
 BW_1.4MHz
Radiated Emission Measurement

File : FCCP_ABOVE1G

Data : #3

Date: 2022/9/7

Time: 11:26:55



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector
		MHz	dBm	dB	dBm	dBm	dB	
1		3754.000	-62.12	-7.08	-69.20	-13.00	-56.20	RMS
2		5641.000	-60.67	-4.27	-64.94	-13.00	-51.94	RMS
3	*	7511.000	-62.07	-0.04	-62.11	-13.00	-49.11	RMS

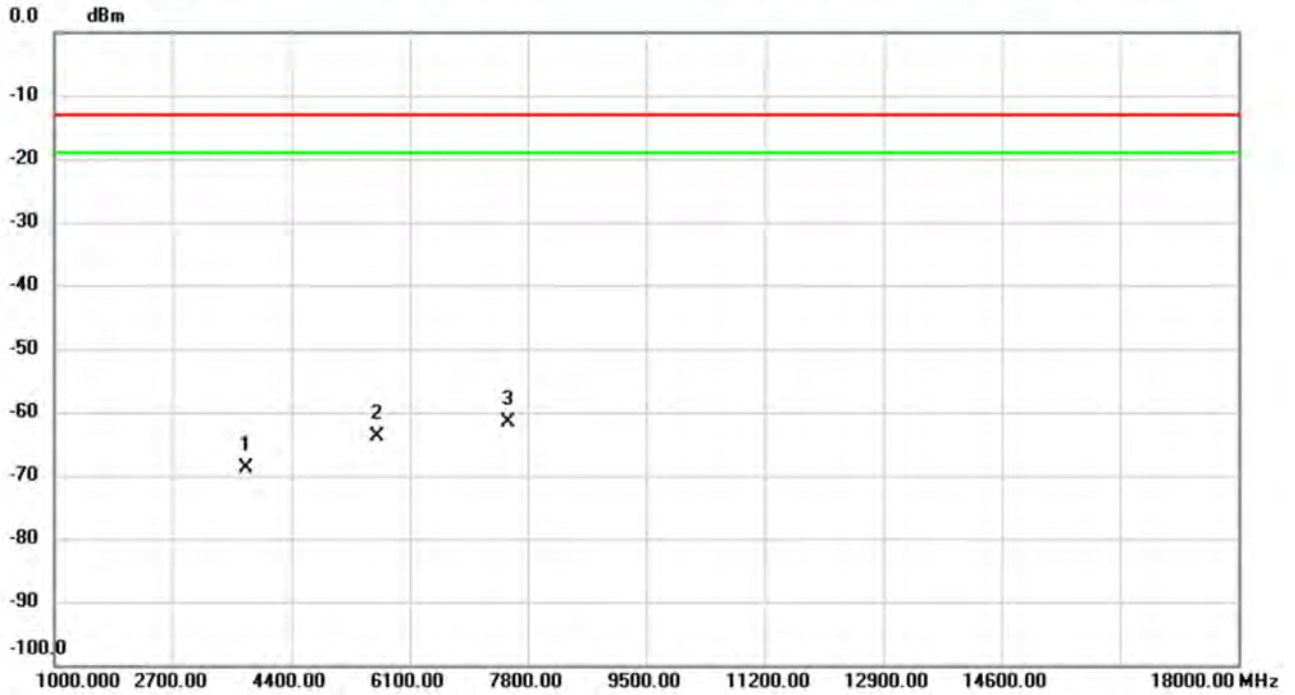
**BW_5MHz
Radiated Emission Measurement**

File :FCCP_ABOVE1G

Data :#1

Date: 2022/9/7

Time: 11:20:56



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		3754.000	-61.86	-7.08	-68.94	-13.00	-55.94	RMS
2		5641.000	-59.52	-4.27	-63.79	-13.00	-50.79	RMS
3	*	7511.000	-61.63	-0.04	-61.67	-13.00	-48.67	RMS

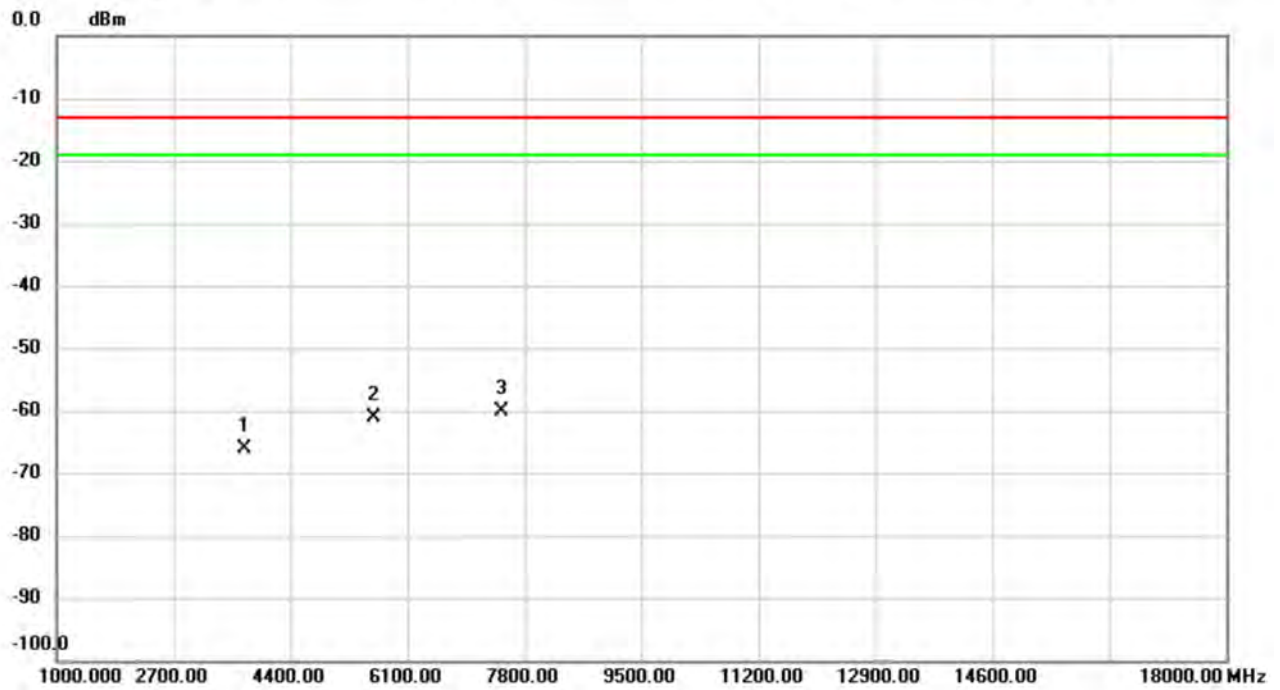
**BW_20MHz
Radiated Emission Measurement**

File :FCCP_ABOVE1G

Data :#5

Date: 2022/9/7

Time: 11:30:47



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		3737.000	-59.01	-7.11	-66.12	-13.00	-53.12	RMS
2		5607.000	-56.66	-4.40	-61.06	-13.00	-48.06	RMS
3	*	7477.000	-59.97	-0.10	-60.07	-13.00	-47.07	RMS

Appendix H: Frequency Stability

Test Result

Frequency Error vs. Voltage:

Worst Case as follows:

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18900	1RB#0	VH	NT	3.74	0.00198936	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	VN	NT	5.58	0.00296809	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	VL	NT	3.53	0.00187766	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	VH	NT	5.93	0.00315426	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	VN	NT	6.19	0.00329255	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	VL	NT	5.36	0.00285106	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	VH	NT	6.37	0.00338830	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	VN	NT	3.29	0.00175000	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	VL	NT	5.68	0.00302128	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	VH	NT	6.47	0.00344149	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	VN	NT	4.46	0.00237234	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	VL	NT	6.92	0.00368085	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	VH	NT	6.32	0.00336170	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	VN	NT	5.93	0.00315426	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	VL	NT	5.49	0.00292021	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	VH	NT	4.25	0.00226064	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	VN	NT	6.66	0.00354255	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	VL	NT	5.44	0.00289362	±2.5	PASS

Frequency Error vs. Temperature:

Worst Case as follows:

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	1.4MHz	QPSK	18900	1RB#0	NV	-40	5.15	0.00273936	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	-30	3.76	0.00200000	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	-20	3.94	0.00209574	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	-10	-5.50	-0.00292553	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	0	-6.17	-0.00328191	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	10	6.29	0.00334574	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	20	4.27	0.00227128	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	30	6.96	0.00370213	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	40	5.67	0.00301596	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	60	5.10	0.00271277	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	70	5.84	0.00310638	±2.5	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	NV	80	-4.31	-0.00229255	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	-40	6.59	0.00350532	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	-30	-3.95	-0.00210106	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	-20	6.64	0.00353191	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	-10	5.66	0.00301064	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	0	5.59	0.00297340	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	10	5.71	0.00303723	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	20	6.58	0.00350000	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	30	-4.46	-0.00237234	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	40	6.09	0.00323936	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	60	6.36	0.00338298	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	70	3.14	0.00167021	±2.5	PASS
Band2	3MHz	QPSK	18900	1RB#0	NV	80	6.72	0.00357447	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	-40	5.30	0.00281915	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	-30	5.64	0.00300000	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	-20	3.28	0.00174468	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	-10	6.52	0.00346809	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	0	3.02	0.00160638	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	10	4.27	0.00227128	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	20	3.16	0.00168085	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	30	4.09	0.00217553	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	40	3.53	0.00187766	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	60	-5.88	-0.00312766	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	70	6.26	0.00332979	±2.5	PASS
Band2	5MHz	QPSK	18900	1RB#0	NV	80	3.02	0.00160638	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	-40	3.35	0.00178191	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	-30	6.43	0.00342021	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	-20	6.73	0.00357979	±2.5	PASS



Band2	10MHz	QPSK	18900	1RB#0	NV	-10	6.68	0.00355319	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	0	4.86	0.00258511	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	10	6.90	0.00367021	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	20	6.91	0.00367553	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	30	6.69	0.00355851	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	40	4.91	0.00261170	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	60	-6.43	-0.00342021	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	70	5.32	0.00282979	±2.5	PASS
Band2	10MHz	QPSK	18900	1RB#0	NV	80	5.62	0.00298936	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	-40	5.29	0.00281383	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	-30	4.98	0.00264894	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	-20	5.64	0.00300000	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	-10	5.07	0.00269681	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	0	3.35	0.00178191	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	10	-3.75	-0.00199468	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	20	3.87	0.00205851	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	30	5.48	0.00291489	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	40	6.44	0.00342553	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	60	-5.32	-0.00282979	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	70	3.38	0.00179787	±2.5	PASS
Band2	15MHz	QPSK	18900	1RB#0	NV	80	5.85	0.00311170	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	-40	6.02	0.00320213	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	-30	-6.69	-0.00355851	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	-20	5.63	0.00299468	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	-10	5.02	0.00267021	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	0	-6.29	-0.00334574	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	10	4.74	0.00252128	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	20	4.78	0.00254255	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	30	4.80	0.00255319	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	40	3.31	0.00176064	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	60	3.17	0.00168617	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	70	-4.57	-0.00243085	±2.5	PASS
Band2	20MHz	QPSK	18900	1RB#0	NV	80	6.21	0.00330319	±2.5	PASS

END