



Appendix for LTE B66 test report

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Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result:

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power[dBm]	EIRP (dBm)	Limit (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	23.92	26.97	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#2	24.27	27.32	30	PASS
Band66	1.4MHz	QPSK	131979	1RB#5	24.18	27.23	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#0	23.87	26.92	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#1	23.83	26.88	30	PASS
Band66	1.4MHz	QPSK	131979	3RB#3	23.89	26.94	30	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	22.72	25.77	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	23.92	26.97	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#2	24.13	27.18	30	PASS
Band66	1.4MHz	QPSK	132322	1RB#5	24.11	27.16	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#0	23.92	26.97	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#1	23.89	26.94	30	PASS
Band66	1.4MHz	QPSK	132322	3RB#3	23.94	26.99	30	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	23.15	26.20	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	23.96	27.01	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#2	23.87	26.92	30	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	23.77	26.82	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#0	23.98	27.03	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#1	23.94	26.99	30	PASS
Band66	1.4MHz	QPSK	132665	3RB#3	23.88	26.93	30	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	23.00	26.05	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	23.17	26.22	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#2	23.25	26.30	30	PASS
Band66	1.4MHz	16QAM	131979	1RB#5	23.03	26.08	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#0	22.42	25.47	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#1	22.33	25.38	30	PASS
Band66	1.4MHz	16QAM	131979	3RB#3	22.38	25.43	30	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	21.97	25.02	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	23.11	26.16	30	PASS
Band66	1.4MHz	16QAM	132322	1RB#2	23.18	26.23	30	PASS



Band66	1.4MHz	16QAM	132322	1RB#5	23.14	26.19	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#0	23.14	26.19	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#1	23.01	26.06	30	PASS
Band66	1.4MHz	16QAM	132322	3RB#3	23.02	26.07	30	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	22.04	25.09	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	22.94	25.99	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#2	23.00	26.05	30	PASS
Band66	1.4MHz	16QAM	132665	1RB#5	22.76	25.81	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#0	22.87	25.92	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#1	22.82	25.87	30	PASS
Band66	1.4MHz	16QAM	132665	3RB#3	22.84	25.89	30	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	21.97	25.02	30	PASS
Band66	3MHz	QPSK	131987	1RB#0	23.77	26.82	30	PASS
Band66	3MHz	QPSK	131987	1RB#8	23.93	26.98	30	PASS
Band66	3MHz	QPSK	131987	1RB#14	23.77	26.82	30	PASS
Band66	3MHz	QPSK	131987	8RB#0	22.78	25.83	30	PASS
Band66	3MHz	QPSK	131987	8RB#4	22.76	25.81	30	PASS
Band66	3MHz	QPSK	131987	8RB#7	22.73	25.78	30	PASS
Band66	3MHz	QPSK	131987	15RB#0	22.82	25.87	30	PASS
Band66	3MHz	QPSK	132322	1RB#0	23.79	26.84	30	PASS
Band66	3MHz	QPSK	132322	1RB#8	24.03	27.08	30	PASS
Band66	3MHz	QPSK	132322	1RB#14	24.06	27.11	30	PASS
Band66	3MHz	QPSK	132322	8RB#0	23.17	26.22	30	PASS
Band66	3MHz	QPSK	132322	8RB#4	23.09	26.14	30	PASS
Band66	3MHz	QPSK	132322	8RB#7	23.11	26.16	30	PASS
Band66	3MHz	QPSK	132322	15RB#0	23.12	26.17	30	PASS
Band66	3MHz	QPSK	132657	1RB#0	23.70	26.75	30	PASS
Band66	3MHz	QPSK	132657	1RB#8	23.72	26.77	30	PASS
Band66	3MHz	QPSK	132657	1RB#14	23.76	26.81	30	PASS
Band66	3MHz	QPSK	132657	8RB#0	22.94	25.99	30	PASS
Band66	3MHz	QPSK	132657	8RB#4	22.91	25.96	30	PASS
Band66	3MHz	QPSK	132657	8RB#7	22.86	25.91	30	PASS
Band66	3MHz	QPSK	132657	15RB#0	22.86	25.91	30	PASS
Band66	3MHz	16QAM	131987	1RB#0	22.73	25.78	30	PASS



Band66	3MHz	16QAM	131987	1RB#8	22.60	25.65	30	PASS
Band66	3MHz	16QAM	131987	1RB#14	22.66	25.71	30	PASS
Band66	3MHz	16QAM	131987	8RB#0	21.78	24.83	30	PASS
Band66	3MHz	16QAM	131987	8RB#4	21.72	24.77	30	PASS
Band66	3MHz	16QAM	131987	8RB#7	21.76	24.81	30	PASS
Band66	3MHz	16QAM	131987	15RB#0	21.60	24.65	30	PASS
Band66	3MHz	16QAM	132322	1RB#0	22.97	26.02	30	PASS
Band66	3MHz	16QAM	132322	1RB#8	23.08	26.13	30	PASS
Band66	3MHz	16QAM	132322	1RB#14	23.02	26.07	30	PASS
Band66	3MHz	16QAM	132322	8RB#0	22.36	25.41	30	PASS
Band66	3MHz	16QAM	132322	8RB#4	22.31	25.36	30	PASS
Band66	3MHz	16QAM	132322	8RB#7	22.33	25.38	30	PASS
Band66	3MHz	16QAM	132322	15RB#0	22.31	25.36	30	PASS
Band66	3MHz	16QAM	132657	1RB#0	22.98	26.03	30	PASS
Band66	3MHz	16QAM	132657	1RB#8	23.17	26.22	30	PASS
Band66	3MHz	16QAM	132657	1RB#14	22.91	25.96	30	PASS
Band66	3MHz	16QAM	132657	8RB#0	22.29	25.34	30	PASS
Band66	3MHz	16QAM	132657	8RB#4	22.27	25.32	30	PASS
Band66	3MHz	16QAM	132657	8RB#7	22.30	25.35	30	PASS
Band66	3MHz	16QAM	132657	15RB#0	21.99	25.04	30	PASS
Band66	5MHz	QPSK	131997	1RB#0	23.73	26.78	30	PASS
Band66	5MHz	QPSK	131997	1RB#12	23.88	26.93	30	PASS
Band66	5MHz	QPSK	131997	1RB#24	23.77	26.82	30	PASS
Band66	5MHz	QPSK	131997	12RB#0	22.73	25.78	30	PASS
Band66	5MHz	QPSK	131997	12RB#6	22.67	25.72	30	PASS
Band66	5MHz	QPSK	131997	12RB#13	22.84	25.89	30	PASS
Band66	5MHz	QPSK	131997	25RB#0	22.73	25.78	30	PASS
Band66	5MHz	QPSK	132322	1RB#0	23.67	26.72	30	PASS
Band66	5MHz	QPSK	132322	1RB#12	24.12	27.17	30	PASS
Band66	5MHz	QPSK	132322	1RB#24	24.18	27.23	30	PASS
Band66	5MHz	QPSK	132322	12RB#0	23.08	26.13	30	PASS
Band66	5MHz	QPSK	132322	12RB#6	23.04	26.09	30	PASS
Band66	5MHz	QPSK	132322	12RB#13	23.14	26.19	30	PASS
Band66	5MHz	QPSK	132322	25RB#0	23.06	26.11	30	PASS



Band66	5MHz	QPSK	132647	1RB#0	23.83	26.88	30	PASS
Band66	5MHz	QPSK	132647	1RB#12	23.92	26.97	30	PASS
Band66	5MHz	QPSK	132647	1RB#24	23.88	26.93	30	PASS
Band66	5MHz	QPSK	132647	12RB#0	22.92	25.97	30	PASS
Band66	5MHz	QPSK	132647	12RB#6	22.87	25.92	30	PASS
Band66	5MHz	QPSK	132647	12RB#13	22.80	25.85	30	PASS
Band66	5MHz	QPSK	132647	25RB#0	22.94	25.99	30	PASS
Band66	5MHz	16QAM	131997	1RB#0	22.70	25.75	30	PASS
Band66	5MHz	16QAM	131997	1RB#12	22.71	25.76	30	PASS
Band66	5MHz	16QAM	131997	1RB#24	22.40	25.45	30	PASS
Band66	5MHz	16QAM	131997	12RB#0	21.78	24.83	30	PASS
Band66	5MHz	16QAM	131997	12RB#6	21.74	24.79	30	PASS
Band66	5MHz	16QAM	131997	12RB#13	21.98	25.03	30	PASS
Band66	5MHz	16QAM	131997	25RB#0	21.89	24.94	30	PASS
Band66	5MHz	16QAM	132322	1RB#0	23.01	26.06	30	PASS
Band66	5MHz	16QAM	132322	1RB#12	23.43	26.48	30	PASS
Band66	5MHz	16QAM	132322	1RB#24	23.48	26.53	30	PASS
Band66	5MHz	16QAM	132322	12RB#0	21.93	24.98	30	PASS
Band66	5MHz	16QAM	132322	12RB#6	21.86	24.91	30	PASS
Band66	5MHz	16QAM	132322	12RB#13	22.02	25.07	30	PASS
Band66	5MHz	16QAM	132322	25RB#0	22.16	25.21	30	PASS
Band66	5MHz	16QAM	132647	1RB#0	22.02	25.07	30	PASS
Band66	5MHz	16QAM	132647	1RB#12	21.99	25.04	30	PASS
Band66	5MHz	16QAM	132647	1RB#24	22.03	25.08	30	PASS
Band66	5MHz	16QAM	132647	12RB#0	21.68	24.73	30	PASS
Band66	5MHz	16QAM	132647	12RB#6	21.62	24.67	30	PASS
Band66	5MHz	16QAM	132647	12RB#13	21.80	24.85	30	PASS
Band66	5MHz	16QAM	132647	25RB#0	21.59	24.64	30	PASS
Band66	10MHz	QPSK	132022	1RB#0	23.88	26.93	30	PASS
Band66	10MHz	QPSK	132022	1RB#24	23.98	27.03	30	PASS
Band66	10MHz	QPSK	132022	1RB#49	24.16	27.21	30	PASS
Band66	10MHz	QPSK	132022	25RB#0	22.75	25.80	30	PASS
Band66	10MHz	QPSK	132022	25RB#12	22.74	25.79	30	PASS
Band66	10MHz	QPSK	132022	25RB#25	22.84	25.89	30	PASS



Band66	10MHz	QPSK	132022	50RB#0	22.83	25.88	30	PASS
Band66	10MHz	QPSK	132322	1RB#0	22.76	25.81	30	PASS
Band66	10MHz	QPSK	132322	1RB#24	24.04	27.09	30	PASS
Band66	10MHz	QPSK	132322	1RB#49	23.65	26.70	30	PASS
Band66	10MHz	QPSK	132322	25RB#0	23.17	26.22	30	PASS
Band66	10MHz	QPSK	132322	25RB#12	23.12	26.17	30	PASS
Band66	10MHz	QPSK	132322	25RB#25	23.13	26.18	30	PASS
Band66	10MHz	QPSK	132322	50RB#0	23.06	26.11	30	PASS
Band66	10MHz	QPSK	132622	1RB#0	23.96	27.01	30	PASS
Band66	10MHz	QPSK	132622	1RB#24	24.13	27.18	30	PASS
Band66	10MHz	QPSK	132622	1RB#49	23.70	26.75	30	PASS
Band66	10MHz	QPSK	132622	25RB#0	22.92	25.97	30	PASS
Band66	10MHz	QPSK	132622	25RB#12	22.85	25.90	30	PASS
Band66	10MHz	QPSK	132622	25RB#25	22.78	25.83	30	PASS
Band66	10MHz	QPSK	132622	50RB#0	22.84	25.89	30	PASS
Band66	10MHz	16QAM	132022	1RB#0	23.24	26.29	30	PASS
Band66	10MHz	16QAM	132022	1RB#24	23.34	26.39	30	PASS
Band66	10MHz	16QAM	132022	1RB#49	22.76	25.81	30	PASS
Band66	10MHz	16QAM	132022	25RB#0	21.86	24.91	30	PASS
Band66	10MHz	16QAM	132022	25RB#12	21.81	24.86	30	PASS
Band66	10MHz	16QAM	132022	25RB#25	21.93	24.98	30	PASS
Band66	10MHz	16QAM	132022	50RB#0	21.92	24.97	30	PASS
Band66	10MHz	16QAM	132322	1RB#0	22.33	25.38	30	PASS
Band66	10MHz	16QAM	132322	1RB#24	23.65	26.70	30	PASS
Band66	10MHz	16QAM	132322	1RB#49	23.13	26.18	30	PASS
Band66	10MHz	16QAM	132322	25RB#0	22.19	25.24	30	PASS
Band66	10MHz	16QAM	132322	25RB#12	22.16	25.21	30	PASS
Band66	10MHz	16QAM	132322	25RB#25	22.18	25.23	30	PASS
Band66	10MHz	16QAM	132322	50RB#0	21.97	25.02	30	PASS
Band66	10MHz	16QAM	132622	1RB#0	23.33	26.38	30	PASS
Band66	10MHz	16QAM	132622	1RB#24	23.30	26.35	30	PASS
Band66	10MHz	16QAM	132622	1RB#49	23.32	26.37	30	PASS
Band66	10MHz	16QAM	132622	25RB#0	21.95	25.00	30	PASS
Band66	10MHz	16QAM	132622	25RB#12	21.91	24.96	30	PASS



Band66	10MHz	16QAM	132622	25RB#25	21.65	24.70	30	PASS
Band66	10MHz	16QAM	132622	50RB#0	21.89	24.94	30	PASS
Band66	15MHz	QPSK	132047	1RB#0	24.03	27.08	30	PASS
Band66	15MHz	QPSK	132047	1RB#38	23.92	26.97	30	PASS
Band66	15MHz	QPSK	132047	1RB#74	23.95	27.00	30	PASS
Band66	15MHz	QPSK	132047	38RB#0	22.94	25.99	30	PASS
Band66	15MHz	QPSK	132047	38RB#18	22.90	25.95	30	PASS
Band66	15MHz	QPSK	132047	38RB#37	22.80	25.85	30	PASS
Band66	15MHz	QPSK	132047	75RB#0	22.82	25.87	30	PASS
Band66	15MHz	QPSK	132322	1RB#0	22.46	25.51	30	PASS
Band66	15MHz	QPSK	132322	1RB#38	23.90	26.95	30	PASS
Band66	15MHz	QPSK	132322	1RB#74	23.76	26.81	30	PASS
Band66	15MHz	QPSK	132322	38RB#0	23.24	26.29	30	PASS
Band66	15MHz	QPSK	132322	38RB#18	23.19	26.24	30	PASS
Band66	15MHz	QPSK	132322	38RB#37	23.15	26.20	30	PASS
Band66	15MHz	QPSK	132322	75RB#0	23.04	26.09	30	PASS
Band66	15MHz	QPSK	132597	1RB#0	23.88	26.93	30	PASS
Band66	15MHz	QPSK	132597	1RB#38	23.95	27.00	30	PASS
Band66	15MHz	QPSK	132597	1RB#74	23.83	26.88	30	PASS
Band66	15MHz	QPSK	132597	38RB#0	22.97	26.02	30	PASS
Band66	15MHz	QPSK	132597	38RB#18	22.92	25.97	30	PASS
Band66	15MHz	QPSK	132597	38RB#37	22.81	25.86	30	PASS
Band66	15MHz	QPSK	132597	75RB#0	22.94	25.99	30	PASS
Band66	15MHz	16QAM	132047	1RB#0	23.23	26.28	30	PASS
Band66	15MHz	16QAM	132047	1RB#38	23.35	26.40	30	PASS
Band66	15MHz	16QAM	132047	1RB#74	22.68	25.73	30	PASS
Band66	15MHz	16QAM	132047	38RB#0	21.87	24.92	30	PASS
Band66	15MHz	16QAM	132047	38RB#18	21.81	24.86	30	PASS
Band66	15MHz	16QAM	132047	38RB#37	21.98	25.03	30	PASS
Band66	15MHz	16QAM	132047	75RB#0	21.99	25.04	30	PASS
Band66	15MHz	16QAM	132322	1RB#0	21.66	24.71	30	PASS
Band66	15MHz	16QAM	132322	1RB#38	23.15	26.20	30	PASS
Band66	15MHz	16QAM	132322	1RB#74	23.01	26.06	30	PASS
Band66	15MHz	16QAM	132322	38RB#0	22.15	25.20	30	PASS



Band66	15MHz	16QAM	132322	38RB#18	22.12	25.17	30	PASS
Band66	15MHz	16QAM	132322	38RB#37	22.17	25.22	30	PASS
Band66	15MHz	16QAM	132322	75RB#0	22.10	25.15	30	PASS
Band66	15MHz	16QAM	132597	1RB#0	22.98	26.03	30	PASS
Band66	15MHz	16QAM	132597	1RB#38	22.87	25.92	30	PASS
Band66	15MHz	16QAM	132597	1RB#74	22.38	25.43	30	PASS
Band66	15MHz	16QAM	132597	38RB#0	21.90	24.95	30	PASS
Band66	15MHz	16QAM	132597	38RB#18	21.83	24.88	30	PASS
Band66	15MHz	16QAM	132597	38RB#37	21.69	24.74	30	PASS
Band66	15MHz	16QAM	132597	75RB#0	21.84	24.89	30	PASS
Band66	20MHz	QPSK	132072	1RB#0	23.73	26.78	30	PASS
Band66	20MHz	QPSK	132072	1RB#49	24.25	27.30	30	PASS
Band66	20MHz	QPSK	132072	1RB#99	23.02	26.07	30	PASS
Band66	20MHz	QPSK	132072	50RB#0	22.87	25.92	30	PASS
Band66	20MHz	QPSK	132072	50RB#25	22.81	25.86	30	PASS
Band66	20MHz	QPSK	132072	50RB#50	22.98	26.03	30	PASS
Band66	20MHz	QPSK	132072	100RB#0	23.01	26.06	30	PASS
Band66	20MHz	QPSK	132322	1RB#0	22.30	25.35	30	PASS
Band66	20MHz	QPSK	132322	1RB#49	23.91	26.96	30	PASS
Band66	20MHz	QPSK	132322	1RB#99	24.19	27.24	30	PASS
Band66	20MHz	QPSK	132322	50RB#0	23.09	26.14	30	PASS
Band66	20MHz	QPSK	132322	50RB#25	23.04	26.09	30	PASS
Band66	20MHz	QPSK	132322	50RB#50	23.12	26.17	30	PASS
Band66	20MHz	QPSK	132322	100RB#0	23.10	26.15	30	PASS
Band66	20MHz	QPSK	132572	1RB#0	24.17	27.22	30	PASS
Band66	20MHz	QPSK	132572	1RB#49	24.32	27.37	30	PASS
Band66	20MHz	QPSK	132572	1RB#99	23.66	26.71	30	PASS
Band66	20MHz	QPSK	132572	50RB#0	22.97	26.02	30	PASS
Band66	20MHz	QPSK	132572	50RB#25	22.95	26.00	30	PASS
Band66	20MHz	QPSK	132572	50RB#50	22.83	25.88	30	PASS
Band66	20MHz	QPSK	132572	100RB#0	22.86	25.91	30	PASS
Band66	20MHz	16QAM	132072	1RB#0	22.92	25.97	30	PASS
Band66	20MHz	16QAM	132072	1RB#49	23.52	26.57	30	PASS
Band66	20MHz	16QAM	132072	1RB#99	22.34	25.39	30	PASS



Band66	20MHz	16QAM	132072	50RB#0	22.12	25.17	30	PASS
Band66	20MHz	16QAM	132072	50RB#25	22.04	25.09	30	PASS
Band66	20MHz	16QAM	132072	50RB#50	22.08	25.13	30	PASS
Band66	20MHz	16QAM	132072	100RB#0	22.10	25.15	30	PASS
Band66	20MHz	16QAM	132322	1RB#0	21.65	24.70	30	PASS
Band66	20MHz	16QAM	132322	1RB#49	23.17	26.22	30	PASS
Band66	20MHz	16QAM	132322	1RB#99	23.15	26.20	30	PASS
Band66	20MHz	16QAM	132322	50RB#0	22.07	25.12	30	PASS
Band66	20MHz	16QAM	132322	50RB#25	22.06	25.11	30	PASS
Band66	20MHz	16QAM	132322	50RB#50	22.26	25.31	30	PASS
Band66	20MHz	16QAM	132322	100RB#0	22.01	25.06	30	PASS
Band66	20MHz	16QAM	132572	1RB#0	23.63	26.68	30	PASS
Band66	20MHz	16QAM	132572	1RB#49	24.09	27.14	30	PASS
Band66	20MHz	16QAM	132572	1RB#99	23.64	26.69	30	PASS
Band66	20MHz	16QAM	132572	50RB#0	21.75	24.80	30	PASS
Band66	20MHz	16QAM	132572	50RB#25	21.72	24.77	30	PASS
Band66	20MHz	16QAM	132572	50RB#50	21.78	24.83	30	PASS
Band66	20MHz	16QAM	132572	100RB#0	21.84	24.89	30	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 66 is 3.05dBi.

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 Result:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	5.03	13	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	5.36	13	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	4.77	13	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	5.73	13	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	6.13	13	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	5.60	13	PASS
Band66	3MHz	QPSK	131987	15RB#0	4.83	13	PASS
Band66	3MHz	QPSK	132322	15RB#0	5.34	13	PASS
Band66	3MHz	QPSK	132657	15RB#0	4.84	13	PASS
Band66	3MHz	16QAM	131987	15RB#0	5.66	13	PASS
Band66	3MHz	16QAM	132322	15RB#0	6.13	13	PASS
Band66	3MHz	16QAM	132657	15RB#0	5.47	13	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.84	13	PASS
Band66	5MHz	QPSK	132322	25RB#0	5.2	13	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.61	13	PASS
Band66	5MHz	16QAM	131997	25RB#0	5.62	13	PASS
Band66	5MHz	16QAM	132322	25RB#0	5.9	13	PASS
Band66	5MHz	16QAM	132647	25RB#0	5.37	13	PASS
Band66	10MHz	QPSK	132022	50RB#0	4.94	13	PASS
Band66	10MHz	QPSK	132322	50RB#0	5.18	13	PASS
Band66	10MHz	QPSK	132622	50RB#0	4.54	13	PASS
Band66	10MHz	16QAM	132022	50RB#0	5.88	13	PASS
Band66	10MHz	16QAM	132322	50RB#0	6.11	13	PASS
Band66	10MHz	16QAM	132622	50RB#0	5.41	13	PASS
Band66	15MHz	QPSK	132047	75RB#0	4.74	13	PASS
Band66	15MHz	QPSK	132322	75RB#0	5.28	13	PASS
Band66	15MHz	QPSK	132597	75RB#0	4.46	13	PASS
Band66	15MHz	16QAM	132047	75RB#0	5.60	13	PASS
Band66	15MHz	16QAM	132322	75RB#0	6.09	13	PASS
Band66	15MHz	16QAM	132597	75RB#0	5.2	13	PASS
Band66	20MHz	QPSK	132072	100RB#0	4.73	13	PASS
Band66	20MHz	QPSK	132322	100RB#0	5.10	13	PASS
Band66	20MHz	QPSK	132572	100RB#0	4.55	13	PASS
Band66	20MHz	16QAM	132072	100RB#0	5.42	13	PASS
Band66	20MHz	16QAM	132322	100RB#0	5.89	13	PASS



Band66	20MHz	16QAM	132572	100RB#0	5.34	13	PASS
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Appendix C: Modulation Characteristics

Test Result:

Worst Case data as follows:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	PASS	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	PASS	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	PASS	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	PASS	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	PASS	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	PASS	PASS
Band66	3MHz	QPSK	131987	15RB#0	PASS	PASS
Band66	3MHz	QPSK	132322	15RB#0	PASS	PASS
Band66	3MHz	QPSK	132657	15RB#0	PASS	PASS
Band66	3MHz	16QAM	131987	15RB#0	PASS	PASS
Band66	3MHz	16QAM	132322	15RB#0	PASS	PASS
Band66	3MHz	16QAM	132657	15RB#0	PASS	PASS
Band66	5MHz	QPSK	131997	25RB#0	PASS	PASS
Band66	5MHz	QPSK	132322	25RB#0	PASS	PASS
Band66	5MHz	QPSK	132647	25RB#0	PASS	PASS
Band66	5MHz	16QAM	131997	25RB#0	PASS	PASS
Band66	5MHz	16QAM	132322	25RB#0	PASS	PASS
Band66	5MHz	16QAM	132647	25RB#0	PASS	PASS
Band66	10MHz	QPSK	132022	50RB#0	PASS	PASS
Band66	10MHz	QPSK	132322	50RB#0	PASS	PASS
Band66	10MHz	QPSK	132622	50RB#0	PASS	PASS
Band66	10MHz	16QAM	132022	50RB#0	PASS	PASS
Band66	10MHz	16QAM	132322	50RB#0	PASS	PASS
Band66	10MHz	16QAM	132622	50RB#0	PASS	PASS
Band66	15MHz	QPSK	132047	75RB#0	PASS	PASS
Band66	15MHz	QPSK	132322	75RB#0	PASS	PASS
Band66	15MHz	QPSK	132597	75RB#0	PASS	PASS
Band66	15MHz	16QAM	132047	75RB#0	PASS	PASS
Band66	15MHz	16QAM	132322	75RB#0	PASS	PASS
Band66	15MHz	16QAM	132597	75RB#0	PASS	PASS
Band66	20MHz	QPSK	132072	100RB#0	PASS	PASS
Band66	20MHz	QPSK	132322	100RB#0	PASS	PASS
Band66	20MHz	QPSK	132572	100RB#0	PASS	PASS
Band66	20MHz	16QAM	132072	100RB#0	PASS	PASS



Band66	20MHz	16QAM	132322	100RB#0	PASS	PASS
Band66	20MHz	16QAM	132572	100RB#0	PASS	PASS

Appendix D: Bandwidth

Test Result:

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	QPSK	131979	6RB#0	1.0951	1.318	PASS
Band66	1.4MHz	QPSK	132322	6RB#0	1.0999	1.301	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	1.0891	1.285	PASS
Band66	1.4MHz	16QAM	131979	6RB#0	1.0956	1.288	PASS
Band66	1.4MHz	16QAM	132322	6RB#0	1.0904	1.298	PASS
Band66	1.4MHz	16QAM	132665	6RB#0	1.0923	1.284	PASS
Band66	3MHz	QPSK	131987	15RB#0	2.6973	2.994	PASS
Band66	3MHz	QPSK	132322	15RB#0	2.7031	2.998	PASS
Band66	3MHz	QPSK	132657	15RB#0	2.7035	2.991	PASS
Band66	3MHz	16QAM	131987	15RB#0	2.7020	2.978	PASS
Band66	3MHz	16QAM	132322	15RB#0	2.6988	2.961	PASS
Band66	3MHz	16QAM	132657	15RB#0	2.6989	2.981	PASS
Band66	5MHz	QPSK	131997	25RB#0	4.5059	5.004	PASS
Band66	5MHz	QPSK	132322	25RB#0	4.5085	4.961	PASS
Band66	5MHz	QPSK	132647	25RB#0	4.5132	4.969	PASS
Band66	5MHz	16QAM	131997	25RB#0	4.5064	5.009	PASS
Band66	5MHz	16QAM	132322	25RB#0	4.5041	4.984	PASS
Band66	5MHz	16QAM	132647	25RB#0	4.5009	4.989	PASS
Band66	10MHz	QPSK	132022	50RB#0	8.9652	9.798	PASS
Band66	10MHz	QPSK	132322	50RB#0	8.9692	9.883	PASS
Band66	10MHz	QPSK	132622	50RB#0	8.9532	9.867	PASS
Band66	10MHz	16QAM	132022	50RB#0	8.9682	9.799	PASS
Band66	10MHz	16QAM	132322	50RB#0	8.9527	9.879	PASS
Band66	10MHz	16QAM	132622	50RB#0	8.9520	9.881	PASS
Band66	15MHz	QPSK	132047	75RB#0	13.399	14.60	PASS
Band66	15MHz	QPSK	132322	75RB#0	13.448	14.59	PASS
Band66	15MHz	QPSK	132597	75RB#0	13.412	14.61	PASS
Band66	15MHz	16QAM	132047	75RB#0	13.393	14.61	PASS
Band66	15MHz	16QAM	132322	75RB#0	13.433	14.72	PASS
Band66	15MHz	16QAM	132597	75RB#0	13.393	14.72	PASS
Band66	20MHz	QPSK	132072	100RB#0	17.850	19.38	PASS
Band66	20MHz	QPSK	132322	100RB#0	17.914	19.49	PASS
Band66	20MHz	QPSK	132572	100RB#0	17.829	19.29	PASS
Band66	20MHz	16QAM	132072	100RB#0	17.811	19.32	PASS



Band66	20MHz	16QAM	132322	100RB#0	170909	19.38	PASS
Band66	20MHz	16QAM	132572	100RB#0	17.8456	19.38	PASS

Test Graphs

Band66-1.4MHz-QPSK-131979-6RB#0



Band66-1.4MHz-QPSK-132322-6RB#0



Band66-1.4MHz-QPSK-132665-6RB#0



Band66-1.4MHz-16QAM-131979-6RB#0



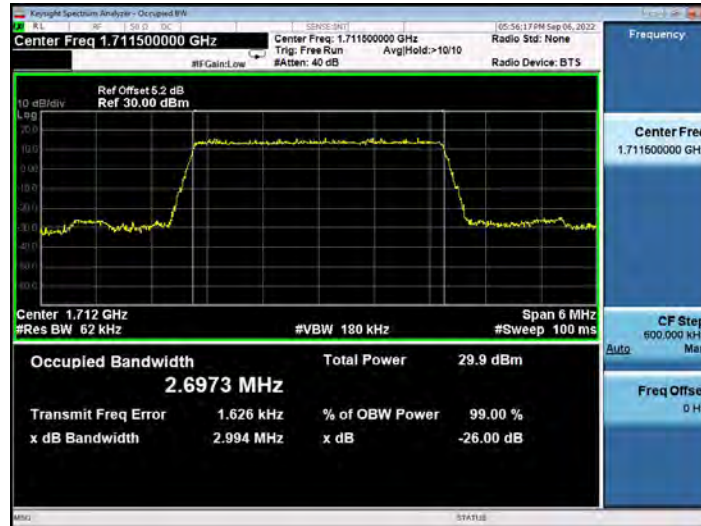
Band66-1.4MHz-16QAM-132322-6RB#0



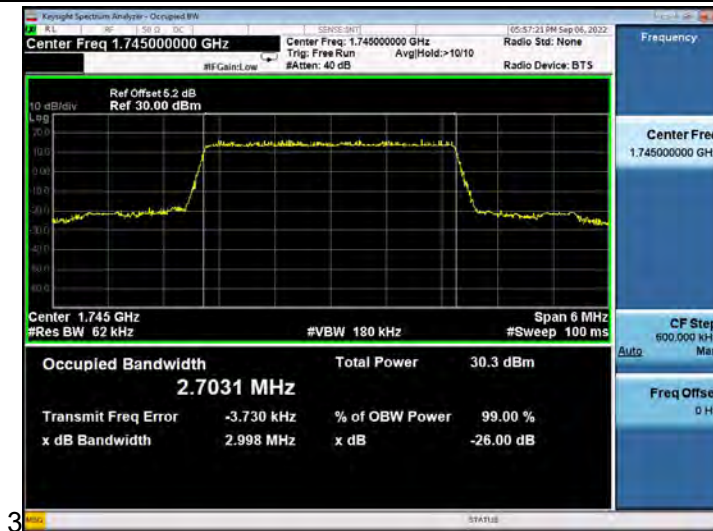
Band66-1.4MHz-16QAM-132665-6RB#0



Band66-3MHz-QPSK-131987-15RB#0



Band66-3MHz-QPSK-132322-15RB#0



Band66-3MHz-QPSK-132657-15RB#0



Band66-3MHz-16QAM-131987-15RB#0



Band66-3MHz-16QAM-132322-15RB#0



Band66-3MHz-16QAM-132657-15RB#0



Band66-5MHz-QPSK-131997-25RB#0



Band66-5MHz-QPSK-132322-25RB#0



Band66-5MHz-QPSK-132647-25RB#0



Band66-5MHz-16QAM-131997-25RB#0



Band66-5MHz-16QAM-132322-25RB#0



Band66-5MHz-16QAM-132647-25RB#0



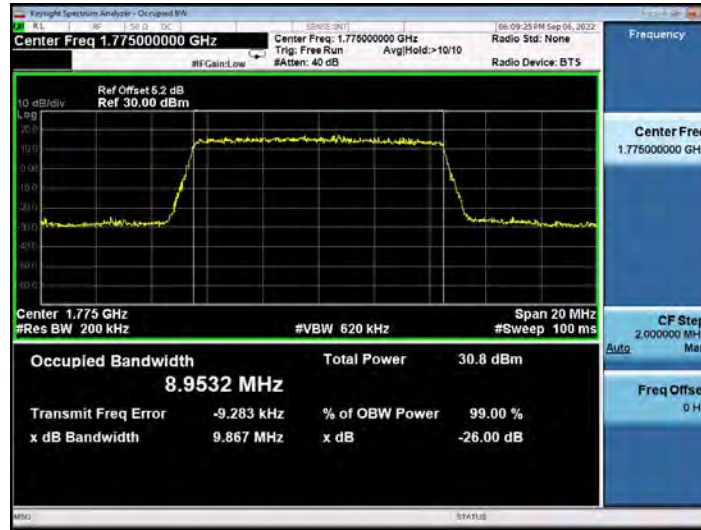
Band66-10MHz-QPSK-132022-50RB#0



Band66-10MHz-QPSK-132322-50RB#0



Band66-10MHz-QPSK-132622-50RB#0



Band66-10MHz-16QAM-132022-50RB#0



Band66-10MHz-16QAM-132322-50RB#0



Band66-10MHz-16QAM-132622-50RB#0



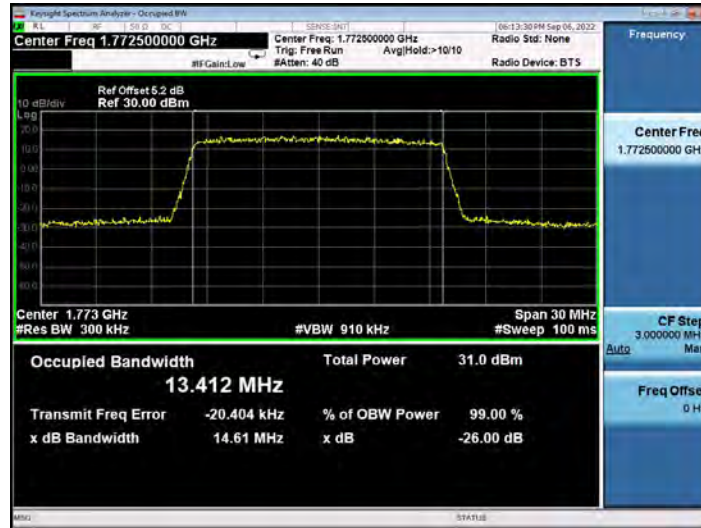
Band66-15MHz-QPSK-132047-75RB#0



Band66-15MHz-QPSK-132322-75RB#0



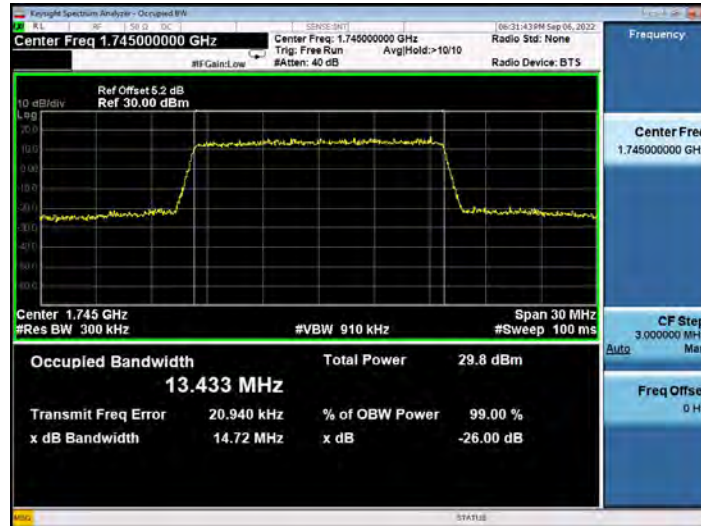
Band66-15MHz-QPSK-132597-75RB#0



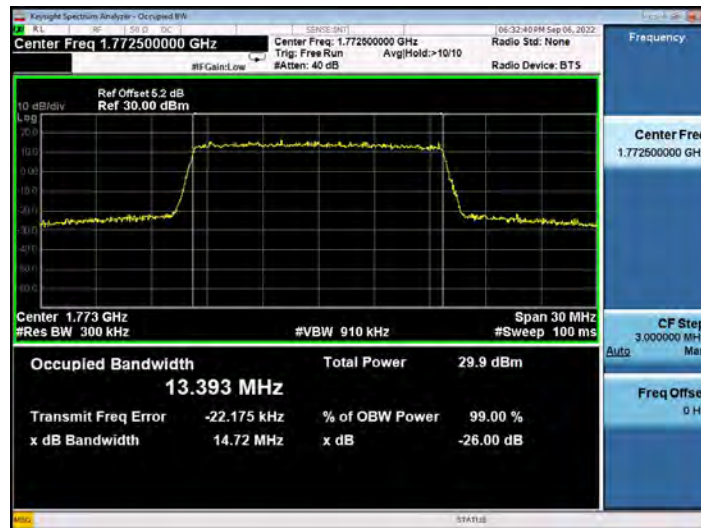
Band66-15MHz-16QAM-132047-75RB#0



Band66-15MHz-16QAM-132322-75RB#0



Band66-15MHz-16QAM-132597-75RB#0



Band66-20MHz-QPSK-132072-100RB#0



Band66-20MHz-QPSK-132322-100RB#0



Band66-20MHz-QPSK-132572-100RB#0



Band66-20MHz-16QAM-132072-100RB#0



Band66-20MHz-16QAM-132322-100RB#0



Band66-20MHz-16QAM-132572-100RB#0



Appendix E: Band Edge Compliance

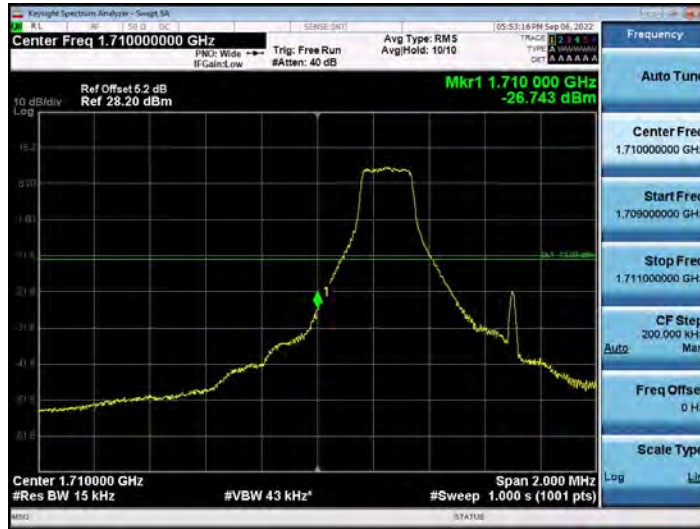
Test Result:

Worst Case data as follows:

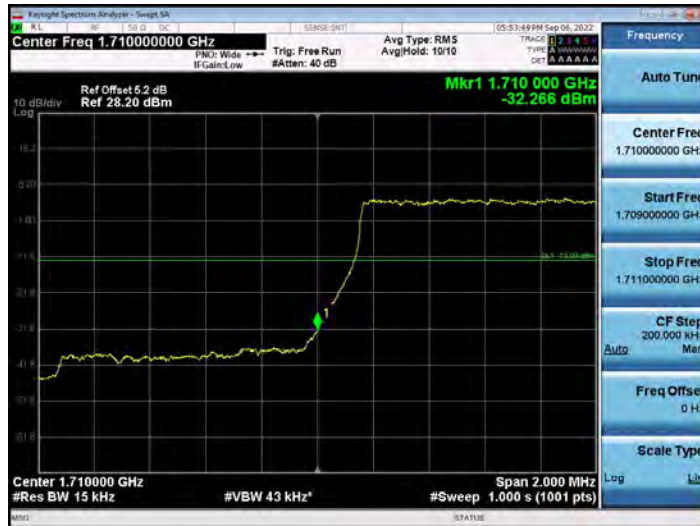
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	-26.74	PASS
Band66	1.4MHz	QPSK	131979	6RB#0	-32.27	PASS
Band66	1.4MHz	QPSK	132665	1RB#5	-26.2	PASS
Band66	1.4MHz	QPSK	132665	6RB#0	-32.56	PASS
Band66	3MHz	QPSK	131987	1RB#0	-21.57	PASS
Band66	3MHz	QPSK	131987	15RB#0	-30.06	PASS
Band66	3MHz	QPSK	132657	1RB#14	-22.65	PASS
Band66	3MHz	QPSK	132657	15RB#0	-29.80	PASS
Band66	5MHz	QPSK	131997	1RB#0	-22.05	PASS
Band66	5MHz	QPSK	131997	25RB#0	-30.25	PASS
Band66	5MHz	QPSK	132647	1RB#24	22.30	PASS
Band66	5MHz	QPSK	132647	25RB#0	-30.08	PASS
Band66	10MHz	QPSK	132022	1RB#0	-32.24	PASS
Band66	10MHz	QPSK	132022	50RB#0	-35.39	PASS
Band66	10MHz	QPSK	132622	1RB#49	-31.88	PASS
Band66	10MHz	QPSK	132622	50RB#0	-33	PASS
Band66	15MHz	QPSK	132047	1RB#0	-29.8	PASS
Band66	15MHz	QPSK	132047	75RB#0	-36.54	PASS
Band66	15MHz	QPSK	132597	1RB#74	-28.57	PASS
Band66	15MHz	QPSK	132597	75RB#0	-34.72	PASS
Band66	20MHz	QPSK	132072	1RB#0	-33.05	PASS
Band66	20MHz	QPSK	132072	100RB#0	-38.09	PASS
Band66	20MHz	QPSK	132572	1RB#99	-31.72	PASS
Band66	20MHz	QPSK	132572	100RB#0	-35.49	PASS

Test Graphs

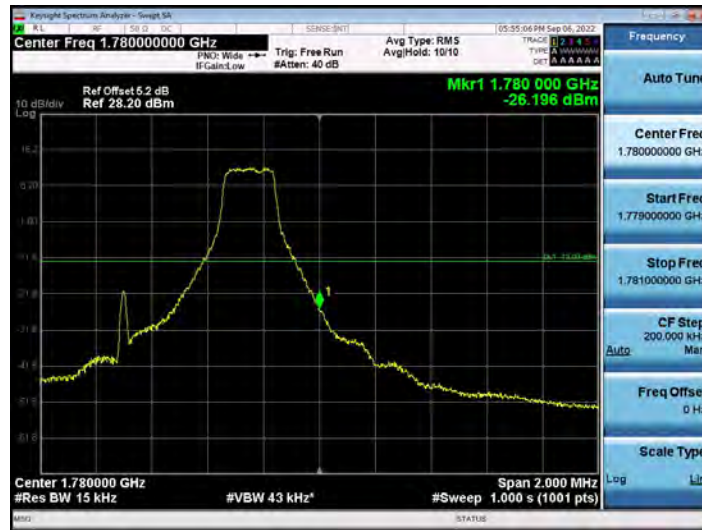
Band66-1.4MHz-QPSK-131979-1RB#0



Band66-1.4MHz-QPSK-131979-6RB#0



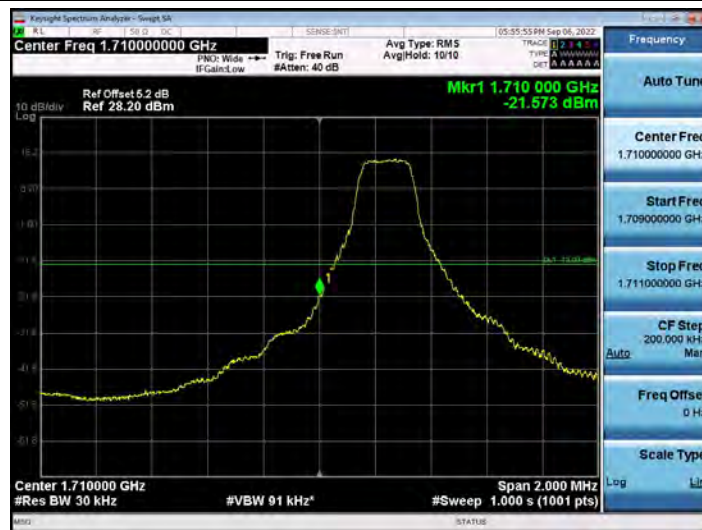
Band66-1.4MHz-QPSK-132665-1RB#5



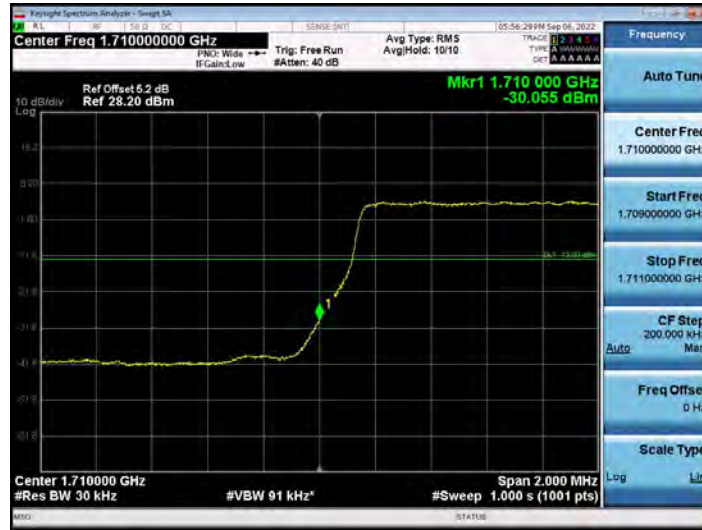
Band66-1.4MHz-QPSK-132665-6RB#0



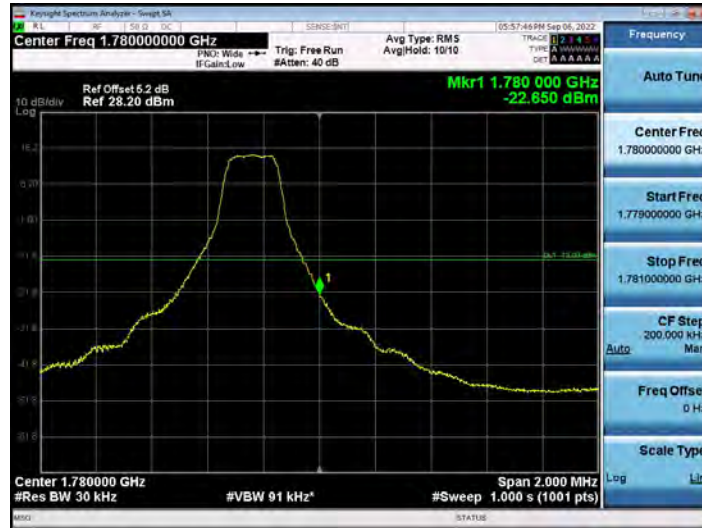
Band66-3MHz-QPSK-131987-1RB#0



Band66-3MHz-QPSK-131987-15RB#0



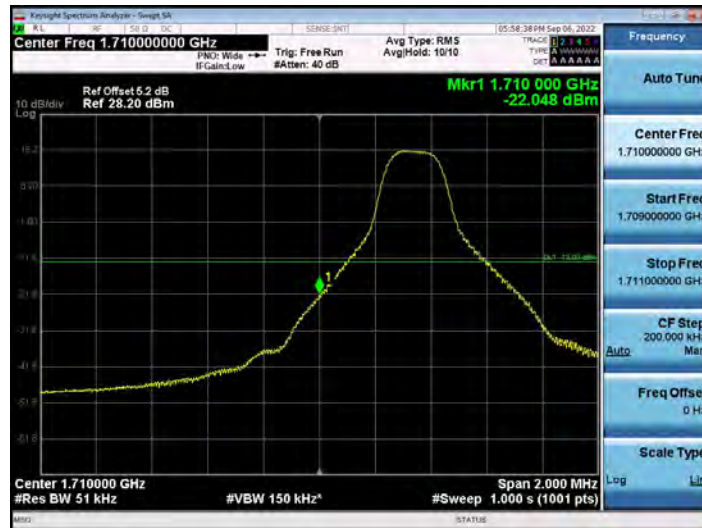
Band66-3MHz-QPSK-132657-1RB#14



Band66-3MHz-QPSK-132657-15RB#0



Band66-5MHz-QPSK-131997-1RB#0



Band66-5MHz-QPSK-131997-25RB#0



Band66-5MHz-QPSK-132647-1RB#24



Band66-5MHz-QPSK-132647-25RB#0



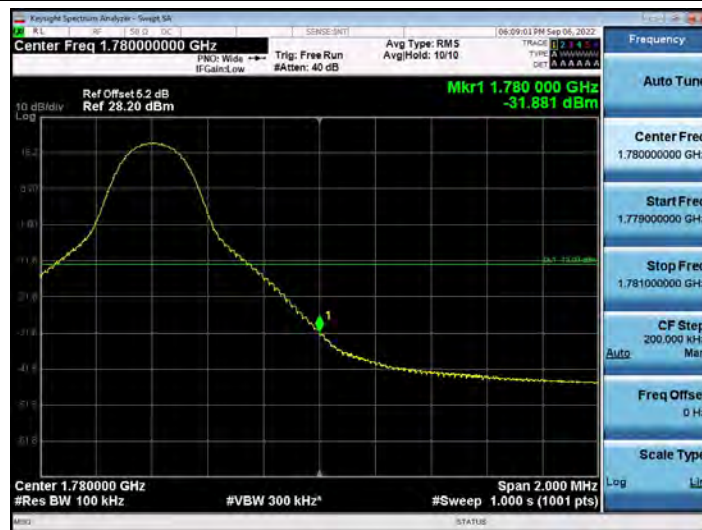
Band66-10MHz-QPSK-132022-1RB#0



Band66-10MHz-QPSK-132022-50RB#0



Band66-10MHz-QPSK-132622-1RB#49



Band66-10MHz-QPSK-132622-50RB#0



Band66-15MHz-QPSK-132047-1RB#0



Band66-15MHz-QPSK-132047-75RB#0



Band66-15MHz-QPSK-132597-1RB#74



Band66-15MHz-QPSK-132597-75RB#0



Band66-20MHz-QPSK-132072-1RB#0



Band66-20MHz-QPSK-132072-100RB#0



Band66-20MHz-QPSK-132572-1RB#99



Band66-20MHz-QPSK-132572-100RB#0



Appendix F: Spurious Emission at Antenna Terminals

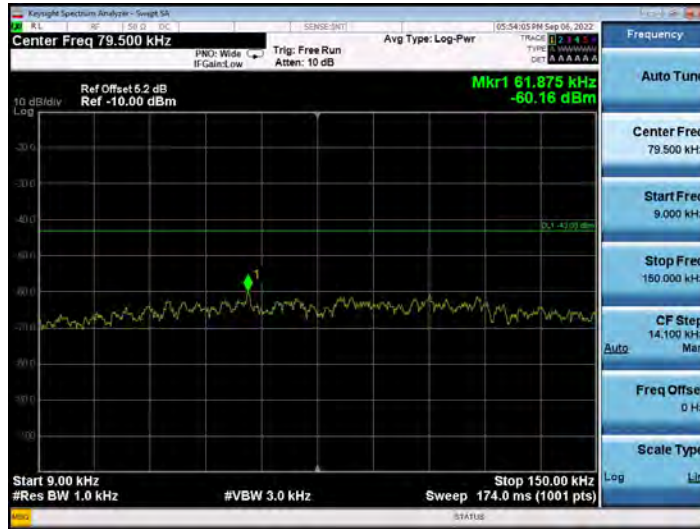
Test Result

Worst Case data as follows:

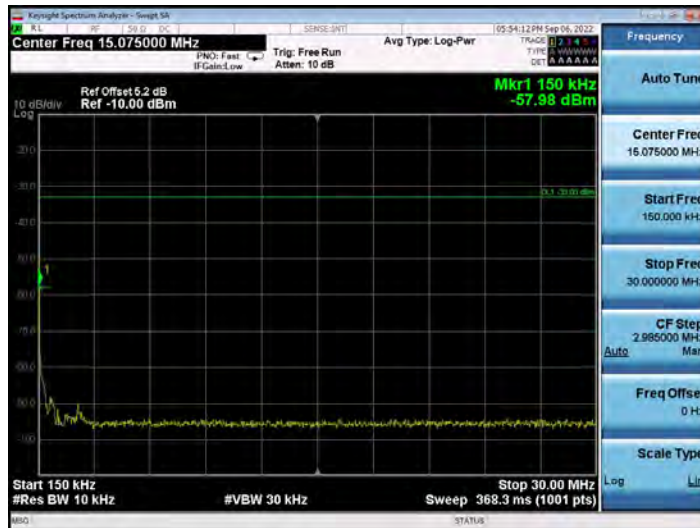
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band66	1.4MHz	QPSK	132322	1RB#0	Range1: 9KHz~150KHz	-60.16	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range2: 150KHz~30MHz	-57.89	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range3:30~17450MHz	-52.81	PASS
Band66	3MHz	QPSK	132322	1RB#0	Range1: 9KHz~150KHz	-60.68	PASS
Band66	3MHz	QPSK	132322	1RB#0	Range2: 150KHz~30MHz	-59.10	PASS
Band66	3MHz	QPSK	132322	1RB#0	Range3:30~17450MHz	-53.31	PASS
Band66	5MHz	QPSK	132322	1RB#0	Range1: 9KHz~150KHz	-60.28	PASS
Band66	5MHz	QPSK	132322	1RB#0	Range2: 150KHz~30MHz	-55.15	PASS
Band66	5MHz	QPSK	132322	1RB#0	Range3:30~17450MHz	-53.75	PASS
Band66	10MHz	QPSK	132322	1RB#0	Range1: 9KHz~150KHz	-59.12	PASS
Band66	10MHz	QPSK	132322	1RB#0	Range2: 150KHz~30MHz	--55.79	PASS
Band66	10MHz	QPSK	132322	1RB#0	Range3:30~17450MHz	-52.04	PASS
Band66	15MHz	QPSK	132322	1RB#0	Range1: 9KHz~150KHz	-58.79	PASS
Band66	15MHz	QPSK	132322	1RB#0	Range2: 150KHz~30MHz	-57.50	PASS
Band66	15MHz	QPSK	132322	1RB#0	Range3:30~17450MHz	-53.34	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range1: 9KHz~150KHz	-60.13	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range2: 150KHz~30MHz	-57.20	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range3:30~17450MHz	-52.83	PASS

Test Graphs

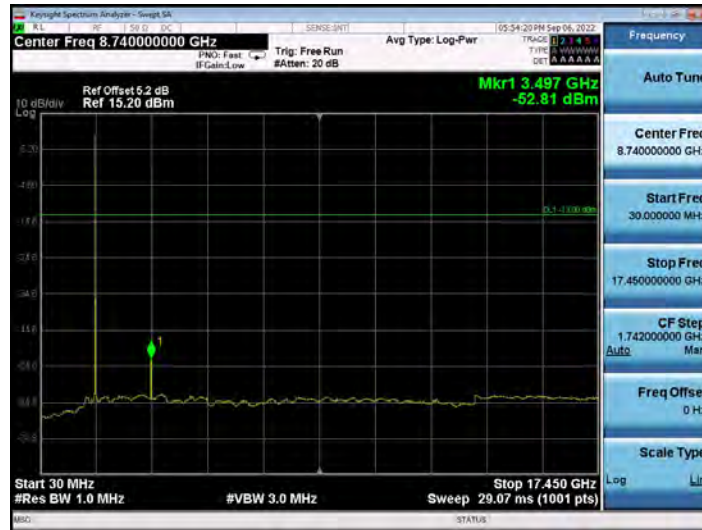
Band66-1.4MHz-QPSK-132322-1RB#0-Range1:9KHz~150KHz



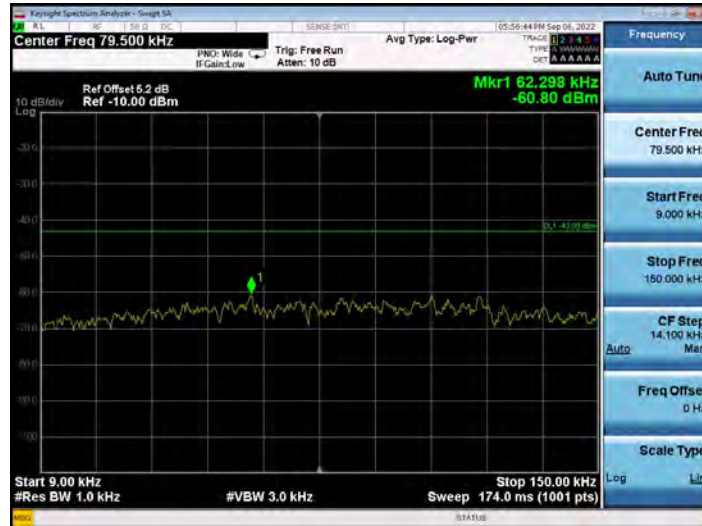
Band66-1.4MHz-QPSK-132322-1RB#0-Range2:150KHz~30MHz



Band66-1.4MHz-QPSK-132322-1RB#0-Range3:30~17450MHz



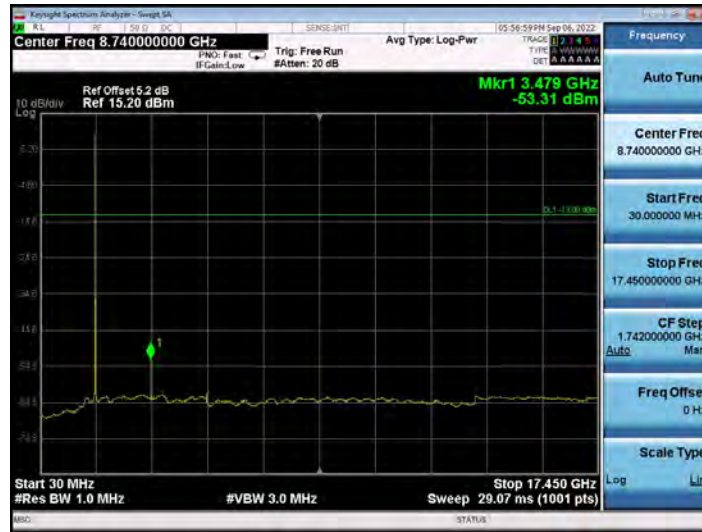
Band66-3MHz-QPSK-132322-1RB#0-Range1:9KHz~150KHz



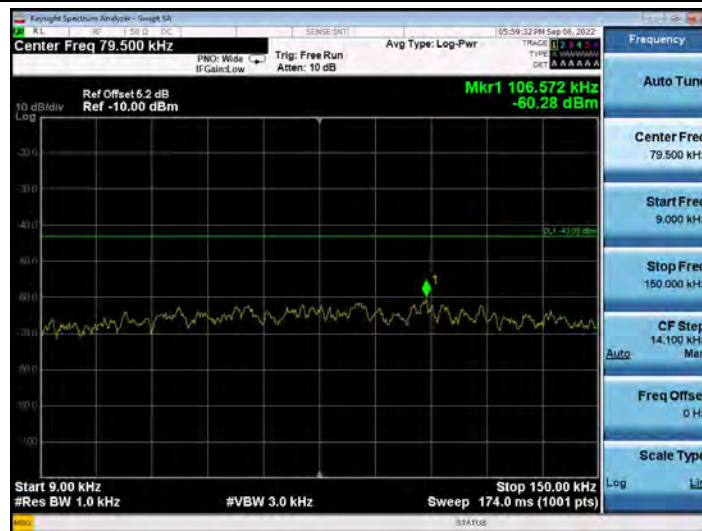
Band66-3MHz-QPSK-132322-1RB#0-Range2:150KHz~30MHz



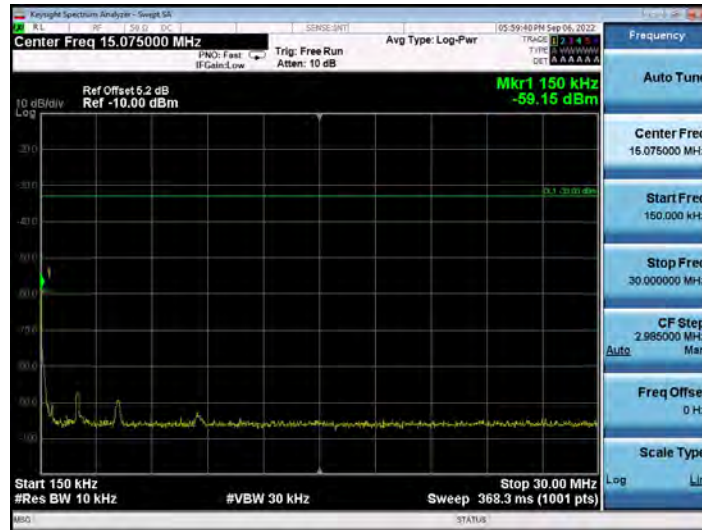
Band66-3MHz-QPSK-132322-1RB#0-Range3:30~17450MHz



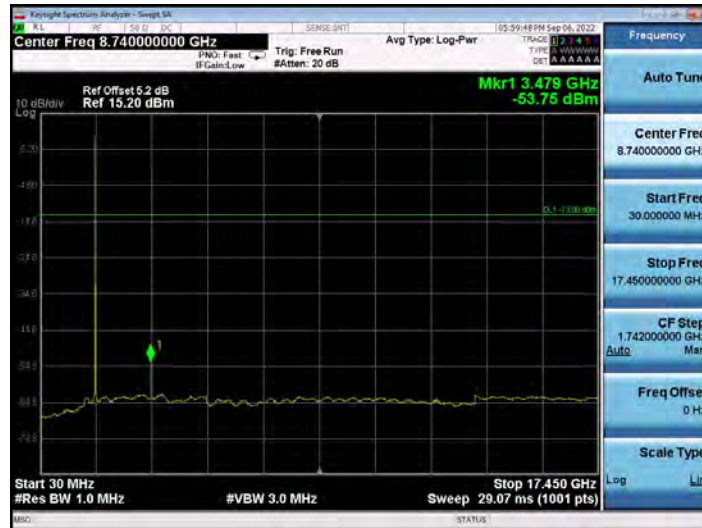
Band66-5MHz-QPSK-132322-1RB#0-Range1:9KHz~150KHz



Band66-5MHz-QPSK-132322-1RB#0-Range1:150KHz~30MHz



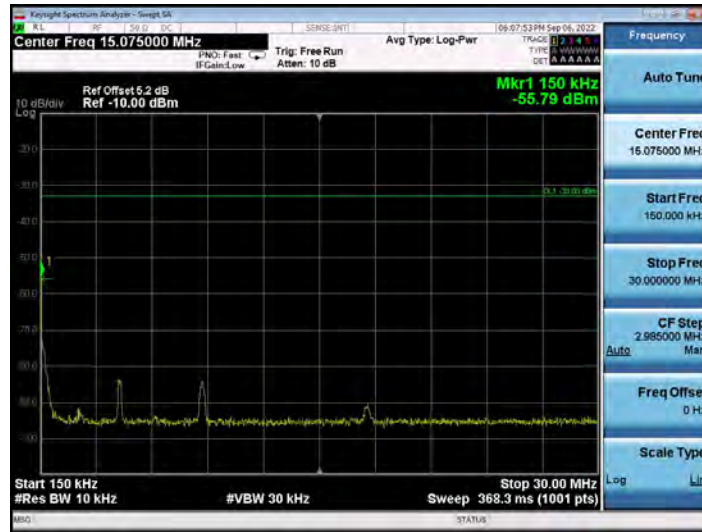
Band66-5MHz-QPSK-131979-1RB#0-Range3:1000~17450MHz



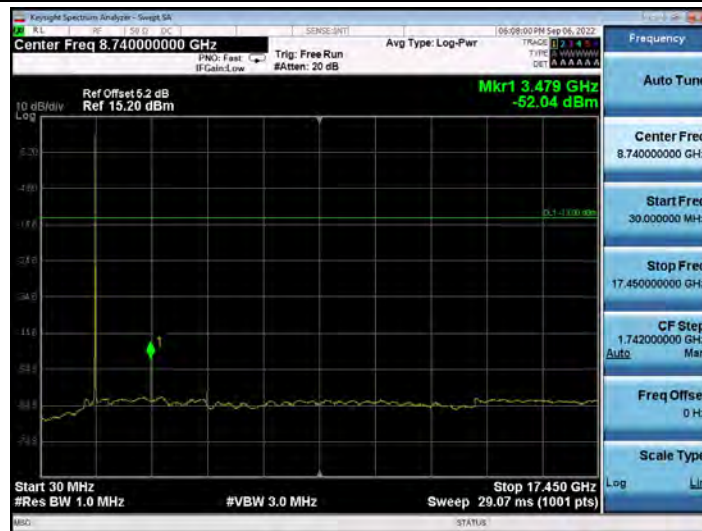
Band66-10MHz-QPSK-132322-1RB#0-Range1:9KHz~150KHz



Band66-10MHz-QPSK-132322-1RB#0-Range2:150KHz~30MHz



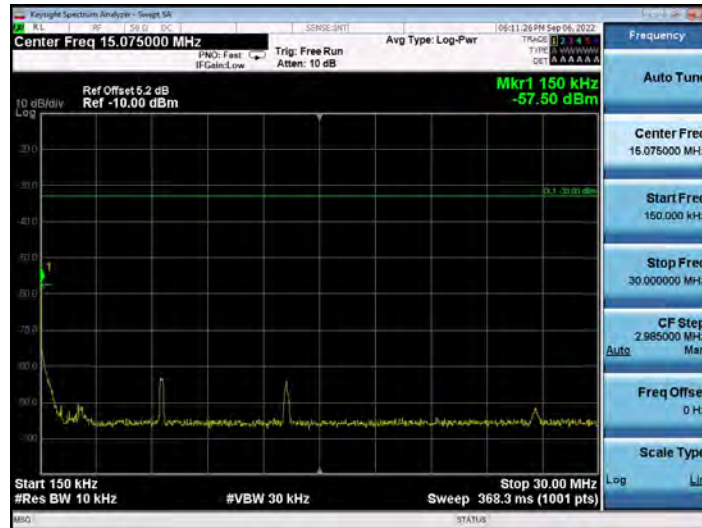
Band66-10MHz-QPSK-132322-1RB#0-Range3:30~17450MHz



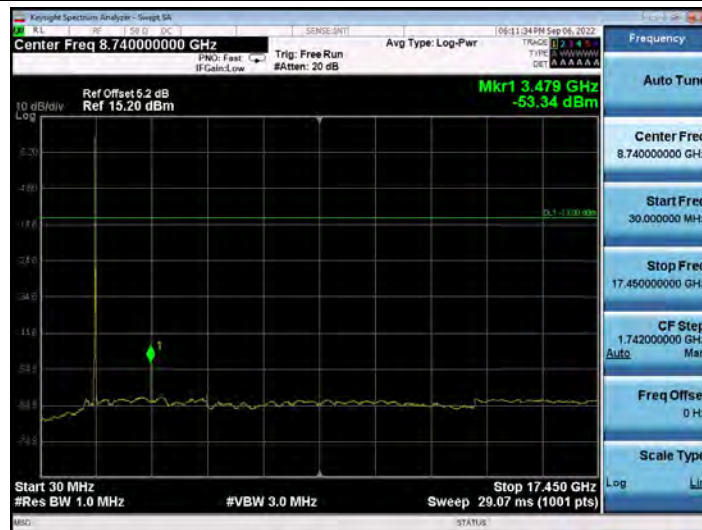
Band66-15MHz-QPSK-132322-1RB#0-Range1:9KHz~150KHz



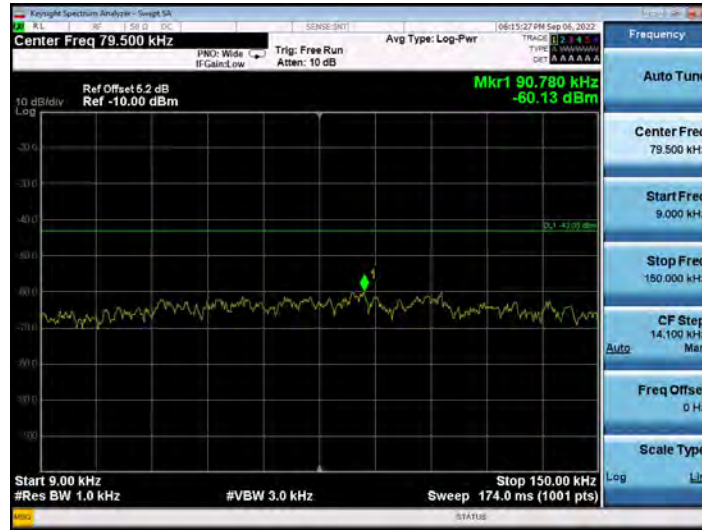
Band66-15MHz-QPSK-132322-1RB#0-Range2:150KHz~30MHz



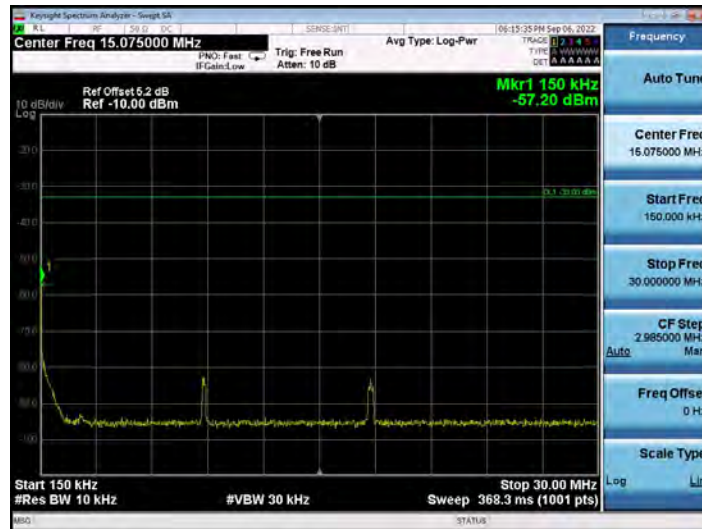
Band66-15MHz-QPSK-132322-1RB#0-Range3:30~17450MHz



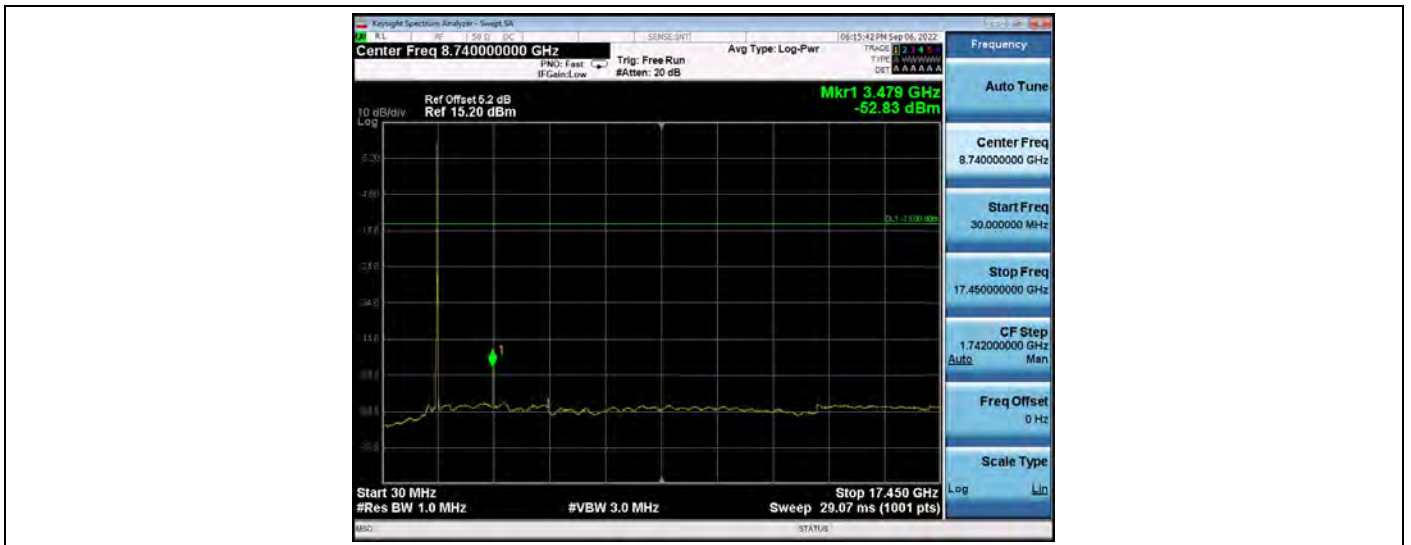
Band66-20MHz-QPSK-132322-1RB#0-Range1:9KHz~150KHz



Band66-20MHz-QPSK-132322-1RB#0-Range2:150KHz~30MHz



Band66-20MHz-QPSK-132322-1RB#0-Range3:1000~17450MHz



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 = 600 Hz, Detector: PK

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

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

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

Test Plots

Test Band = BAND66

Worst Test Bandwidth = 5MHz(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**

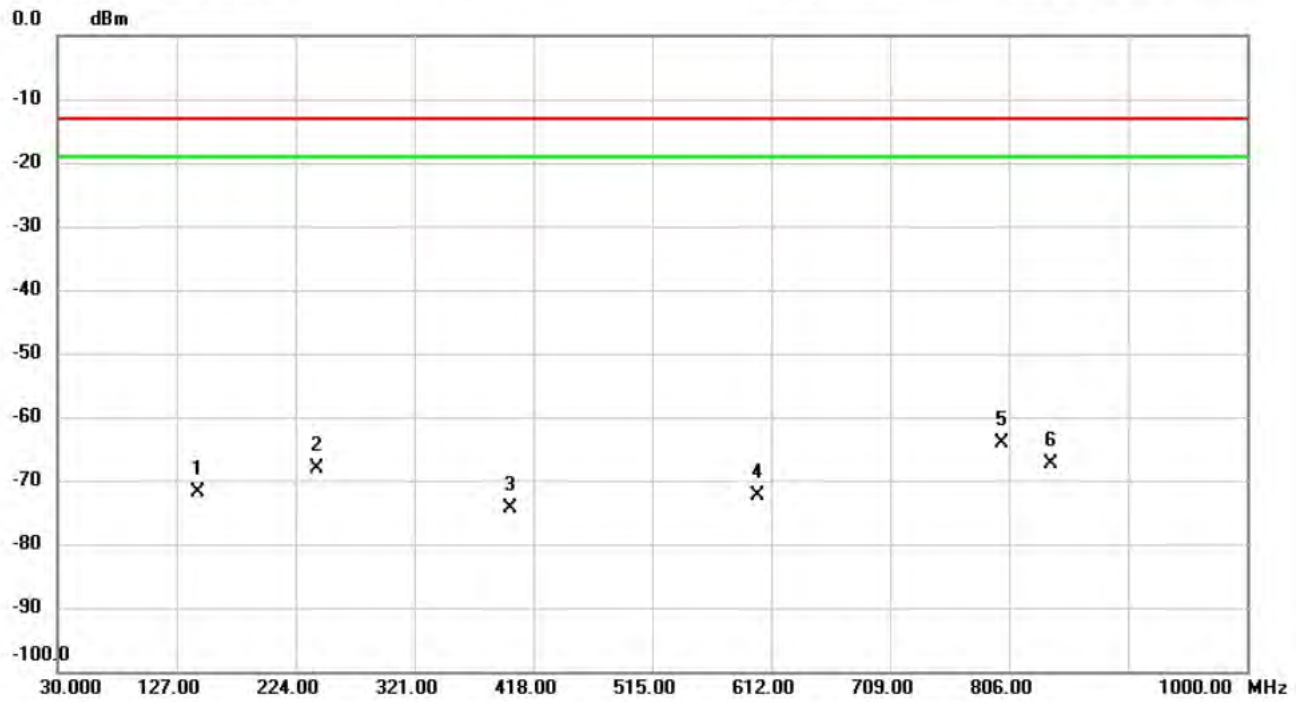
Radiated Emission Measurement

File :FCCP_BELOW1G

Data :#8

Date: 2022/9/13

Time: 11:16:16



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		144.4600	-66.58	-5.41	-71.99	-13.00	-58.99	RMS
2		241.4600	-64.16	-3.91	-68.07	-13.00	-55.07	RMS
3		399.5700	-72.56	-1.76	-74.32	-13.00	-61.32	RMS
4		600.3600	-74.37	1.95	-72.42	-13.00	-59.42	RMS
5	*	800.1800	-68.52	4.28	-64.24	-13.00	-51.24	RMS
6		839.9500	-71.54	4.22	-67.32	-13.00	-54.32	RMS

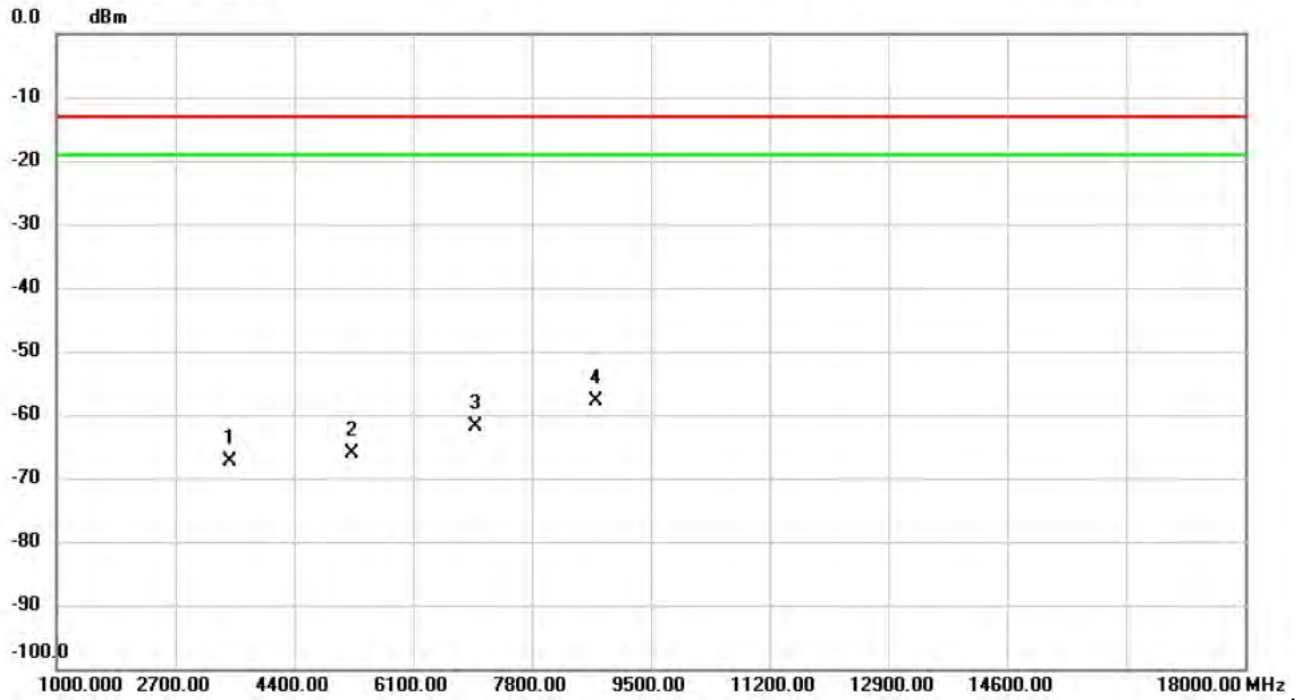
Above 1G
BW_1.4MHz
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#30

Date: 2022/9/7

Time: 13:57:15



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		3482.000	-61.52	-5.86	-67.38	-13.00	-54.38	RMS
2		5233.000	-63.99	-2.10	-66.09	-13.00	-53.09	RMS
3		6984.000	-62.95	1.15	-61.80	-13.00	-48.80	RMS
4	*	8718.000	-60.43	2.46	-57.97	-13.00	-44.97	RMS

BW_5MHz

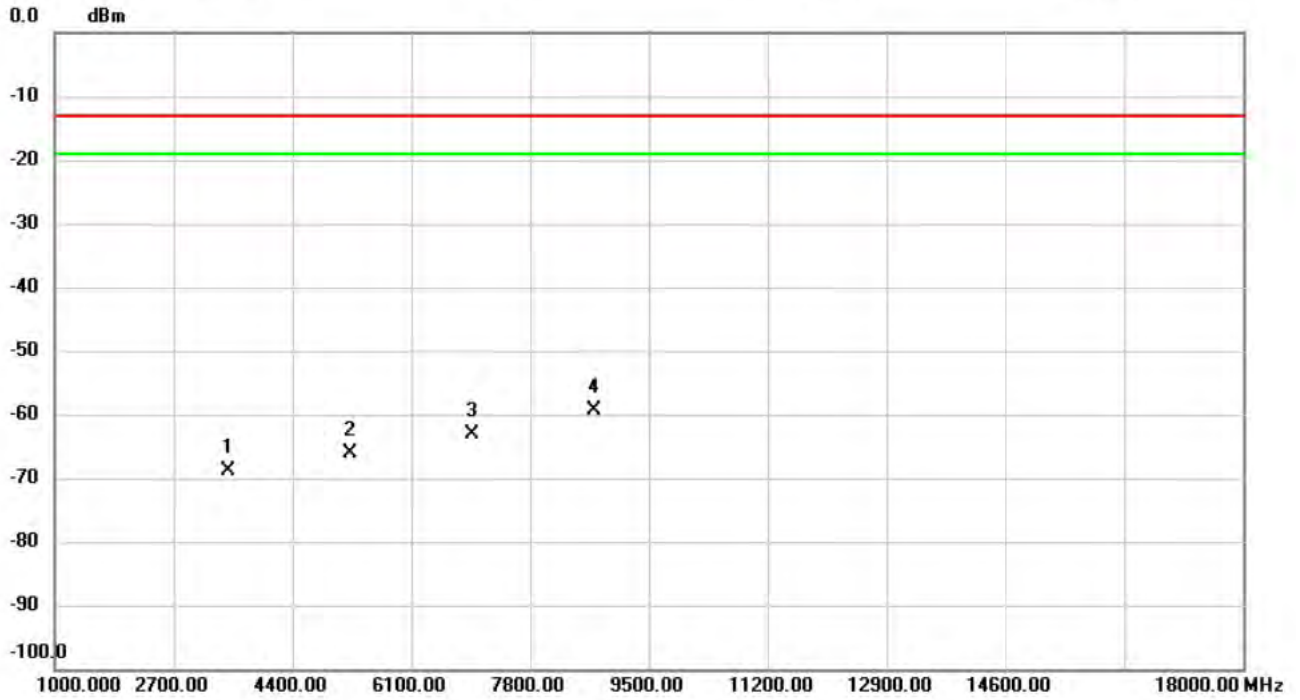
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#28

Date: 2022/9/7

Time: 13:53:38



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector
		MHz	dBm	dB	dBm	dBm	dB	
1		3485.500	-63.08	-5.83	-68.91	-13.00	-55.91	RMS
2		5228.250	-64.04	-2.10	-66.14	-13.00	-53.14	RMS
3		6971.000	-64.21	1.12	-63.09	-13.00	-50.09	RMS
4	*	8718.000	-61.74	2.46	-59.28	-13.00	-46.28	RMS

BW_20MHz

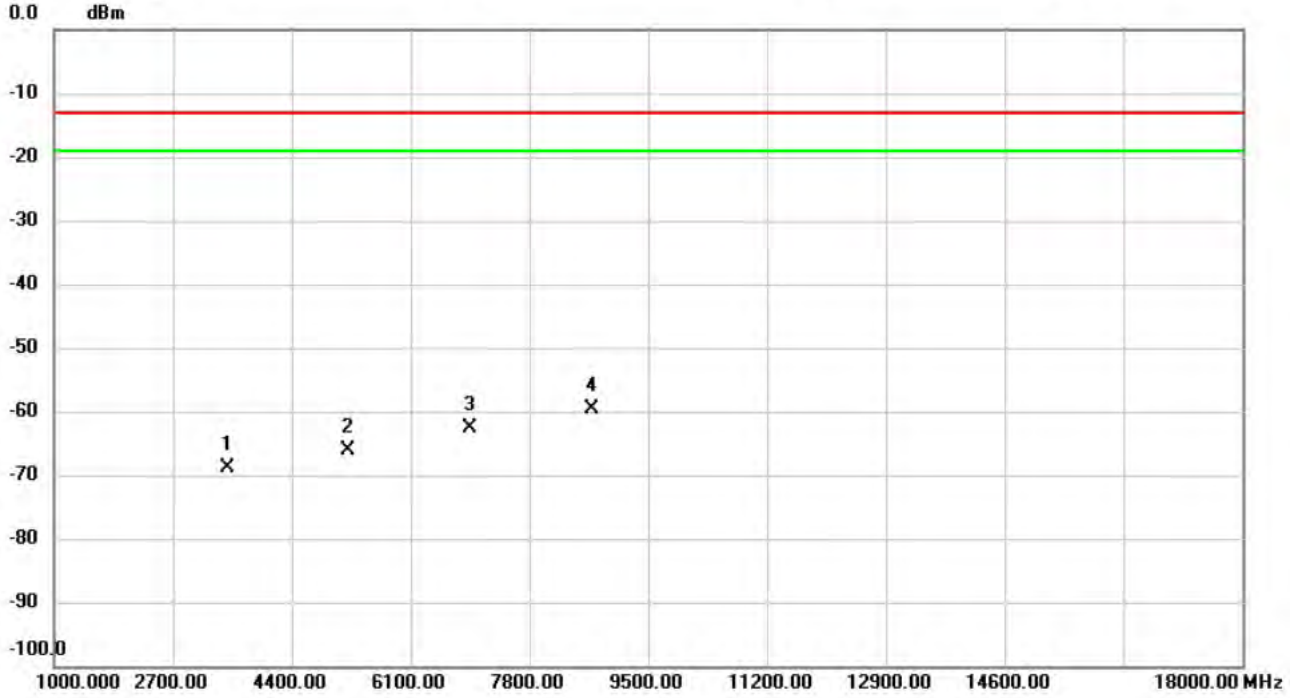
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#32

Date: 2022/9/7

Time: 14:00:50



No.	Mk.	Freq.	Reading Level	Correct Factor	Measurement	Limit	Margin	Detector
		MHz	dBm	dB	dBm	dBm	dB	
1		3472.000	-62.86	-5.92	-68.78	-13.00	-55.78	RMS
2		5208.000	-64.01	-2.08	-66.09	-13.00	-53.09	RMS
3		6944.000	-63.79	1.05	-62.74	-13.00	-49.74	RMS
4	*	8684.000	-62.00	2.39	-59.61	-13.00	-46.61	RMS

Middle channel Vertical

Below 1G
BW_5MHz

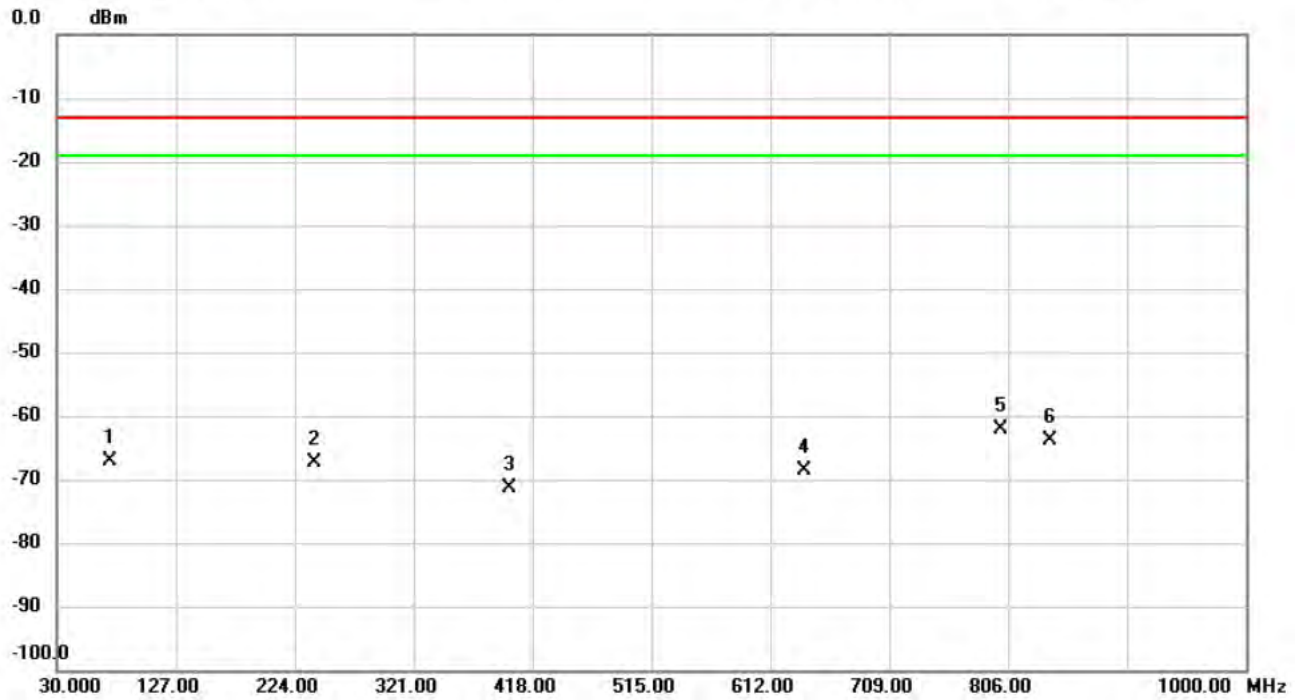
Radiated Emission Measurement

File :FCCP_BELOW1G

Data :#7

Date: 2022/9/13

Time: 11:14:52



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		73.6500	-56.04	-11.12	-67.16	-13.00	-54.16	RMS
2		239.5200	-61.79	-5.49	-67.28	-13.00	-54.28	RMS
3		399.5700	-69.75	-1.55	-71.30	-13.00	-58.30	RMS
4		640.1300	-70.59	1.95	-68.64	-13.00	-55.64	RMS
5	*	800.1800	-65.52	3.44	-62.08	-13.00	-49.08	RMS
6		839.9500	-67.52	3.60	-63.92	-13.00	-50.92	RMS

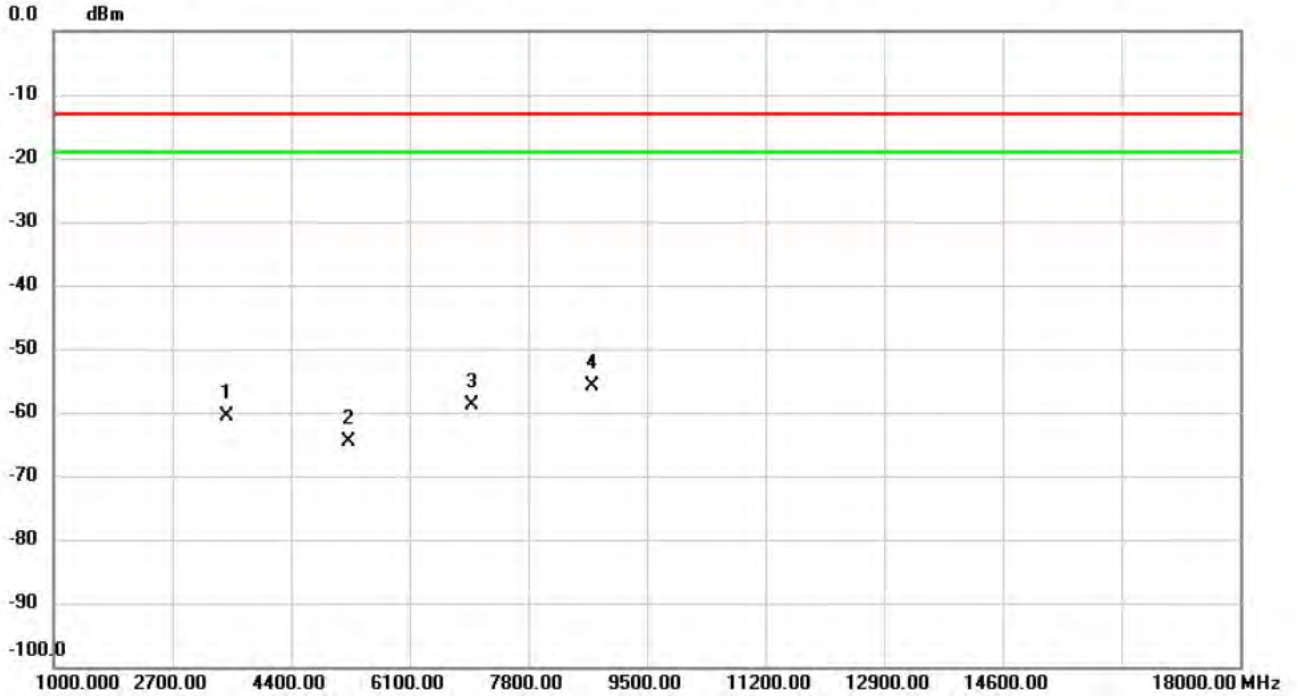
Above 1G
BW_1.4MHz
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#29

Date: 2022/9/7

Time: 13:55:50



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		3482.000	-54.80	-5.92	-60.72	-13.00	-47.72	RMS
2		5233.000	-62.54	-1.96	-64.50	-13.00	-51.50	RMS
3		6984.000	-60.04	1.17	-58.87	-13.00	-45.87	RMS
4	*	8718.000	-58.58	2.61	-55.97	-13.00	-42.97	RMS

BW_5MHz

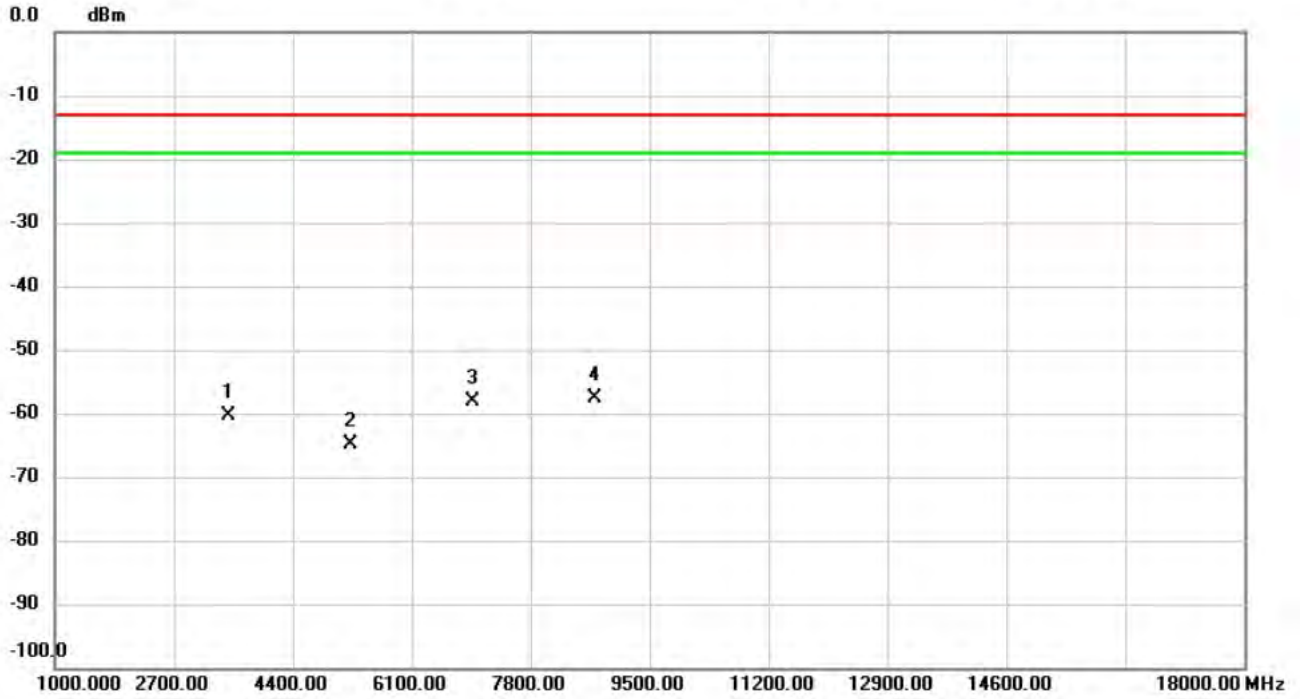
Radiated Emission Measurement

File :FCCP_ABOVE1G

Data :#27

Date: 2022/9/7

Time: 13:52:09



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		3482.000	-54.39	-5.92	-60.31	-13.00	-47.31	RMS
2		5233.000	-62.99	-1.96	-64.95	-13.00	-51.95	RMS
3		6967.000	-59.31	1.13	-58.18	-13.00	-45.18	RMS
4	*	8718.000	-60.16	2.61	-57.55	-13.00	-44.55	RMS

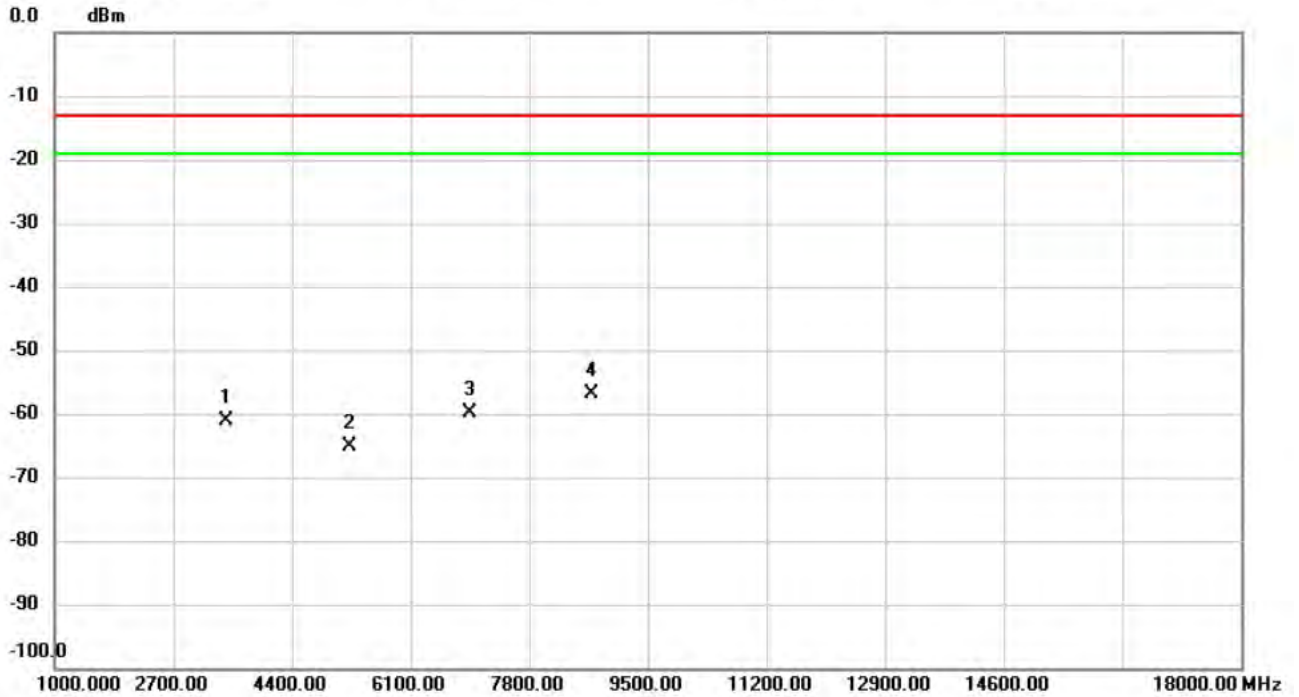
**BW_20MHz
Radiated Emission Measurement**

File :FCCP_ABOVE1G

Data :#31

Date: 2022/9/7

Time: 13:59:15



No.	Mk.	Freq. MHz	Reading Level dBm	Correct Factor dB	Measure- ment dBm	Limit dBm	Margin dB	Detector
1		3465.000	-55.01	-6.03	-61.04	-13.00	-48.04	RMS
2		5216.000	-63.16	-1.94	-65.10	-13.00	-52.10	RMS
3		6950.000	-60.88	1.09	-59.79	-13.00	-46.79	RMS
4	*	8684.000	-59.51	2.60	-56.91	-13.00	-43.91	RMS

Appendix H: Frequency Stability

Test Result:

Frequency Error vs. Voltage:

Worst Case data as follows:

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	1.4MHz	QPSK	132322	1RB#0	VH	NT	6.08	0.003484241	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	VN	NT	3.68	0.002108883	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	VL	NT	6.63	0.003799427	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	VH	NT	9.54	0.005467049	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	VN	NT	8.04	0.00460745	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	VL	NT	8.46	0.004848138	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	VH	NT	4.59	0.002630372	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	VN	NT	4.60	0.002636103	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	VL	NT	7.58	0.00434384	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	VH	NT	5.17	0.002962751	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	VN	NT	4.74	0.002716332	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	VL	NT	5.37	0.003077364	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	VH	NT	6.38	0.00365616	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	VN	NT	5.54	0.003174785	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	VL	NT	4.83	0.002767908	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	VH	NT	5.21	0.002985673	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	VN	NT	8.88	0.005088825	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	VL	NT	4.95	0.002836676	±2.5	PASS

Frequency Error vs. Temperature:
Worst Case data as follows:

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band66	1.4MHz	QPSK	132322	1RB#0	NV	-40	4.82	0.00276218	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	-30	6.01	0.00344413	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	-20	8.23	0.00471633	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	-10	4.18	0.00239542	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	0	6.70	0.00383954	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	10	5.40	0.00309456	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	20	3.74	0.00214327	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	30	7.05	0.00404011	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	40	3.93	0.00225215	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	50	5.72	0.00327794	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	60	9.19	0.00526648	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	70	4.60	0.00263610	±2.5	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	NV	80	5.98	0.00342693	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	-40	7.63	0.00437249	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	-30	9.52	0.00545559	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	-20	6.05	0.00346705	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	-10	6.66	0.00381662	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	0	4.60	0.00263610	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	10	4.09	0.00234384	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	20	8.65	0.00495702	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	30	3.89	0.00222923	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	40	4.99	0.00285960	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	50	9.16	0.00524928	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	60	5.71	0.00327221	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	70	9.24	0.00529513	±2.5	PASS
Band66	3MHz	QPSK	132322	1RB#0	NV	80	8.88	0.00508883	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	-40	8.45	0.00484241	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	-30	3.78	0.00216619	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	-20	3.73	0.00213754	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	-10	6.58	0.00377077	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	0	6.40	0.00366762	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	10	9.56	0.00547851	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	20	6.84	0.00391977	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	30	4.83	0.00276791	±2.5	PASS



Band66	5MHz	QPSK	132322	1RB#0	NV	40	6.08	0.00348424	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	50	5.33	0.00305444	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	60	6.73	0.00385673	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	70	5.38	0.00308309	±2.5	PASS
Band66	5MHz	QPSK	132322	1RB#0	NV	80	7.70	0.00441261	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	-40	9.35	0.00535817	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	-30	5.88	0.00336963	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	-20	5.97	0.00342120	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	-10	7.34	0.00420630	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	0	5.67	0.00324928	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	10	5.01	0.00287106	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	20	8.30	0.00475645	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	30	9.09	0.00520917	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	40	7.36	0.00421777	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	50	6.44	0.00369054	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	60	8.68	0.00497421	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	70	9.51	0.00544986	±2.5	PASS
Band66	10MHz	QPSK	132322	1RB#0	NV	80	6.26	0.00358739	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	-40	4.09	0.00234384	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	-30	7.25	0.00415473	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	-20	4.20	0.00240688	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	-10	7.16	0.00410315	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	0	6.72	0.00385100	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	10	7.40	0.00424069	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	20	5.66	0.00324355	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	30	6.16	0.00353009	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	40	4.12	0.00236103	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	50	7.50	0.00429799	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	60	3.67	0.00210315	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	70	4.87	0.00279083	±2.5	PASS
Band66	15MHz	QPSK	132322	1RB#0	NV	80	7.16	0.00410315	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	-40	7.64	0.00437822	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	-30	5.91	0.00338682	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	-20	4.57	0.00261891	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	-10	6.40	0.00366762	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	0	6.50	0.00372493	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	10	4.84	0.00277364	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	20	9.27	0.00531232	±2.5	PASS



Band66	20MHz	QPSK	132322	1RB#0	NV	30	8.95	0.00512894	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	40	4.73	0.00271060	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	50	6.03	0.00345559	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	60	7.31	0.00418911	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	70	4.77	0.00273352	±2.5	PASS
Band66	20MHz	QPSK	132322	1RB#0	NV	80	8.59	0.00492264	±2.5	PASS

END