Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	EIRP (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	22.96	23.83	PASS
Band2	1.4MHz	QPSK	18607	1RB#2	22.81	23.68	PASS
Band2	1.4MHz	QPSK	18607	1RB#5	22.84	23.71	PASS
Band2	1.4MHz	QPSK	18607	3RB#0	22.92	23.79	PASS
Band2	1.4MHz	QPSK	18607	3RB#1	23.02	23.89	PASS
Band2	1.4MHz	QPSK	18607	3RB#3	22.77	23.64	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	21.80	22.67	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	22.94	23.81	PASS
Band2	1.4MHz	QPSK	18900	1RB#2	23.03	23.9	PASS
Band2	1.4MHz	QPSK	18900	1RB#5	22.80	23.67	PASS
Band2	1.4MHz	QPSK	18900	3RB#0	22.82	23.69	PASS
Band2	1.4MHz	QPSK	18900	3RB#1	22.88	23.75	PASS
Band2	1.4MHz	QPSK	18900	3RB#3	22.85	23.72	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	21.84	22.71	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	23.00	23.87	PASS
Band2	1.4MHz	QPSK	19193	1RB#2	23.18	24.05	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	22.88	23.75	PASS
Band2	1.4MHz	QPSK	19193	3RB#0	22.93	23.8	PASS
Band2	1.4MHz	QPSK	19193	3RB#1	22.91	23.78	PASS
Band2	1.4MHz	QPSK	19193	3RB#3	22.96	23.83	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	21.73	22.6	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	21.99	22.86	PASS
Band2	1.4MHz	16QAM	18607	1RB#2	22.15	23.02	PASS
Band2	1.4MHz	16QAM	18607	1RB#5	21.94	22.81	PASS
Band2	1.4MHz	16QAM	18607	3RB#0	21.71	22.58	PASS
Band2	1.4MHz	16QAM	18607	3RB#1	21.80	22.67	PASS
Band2	1.4MHz	16QAM	18607	3RB#3	21.58	22.45	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	21.10	21.97	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	21.78	22.65	PASS
Band2	1.4MHz	16QAM	18900	1RB#2	21.72	22.59	PASS
Band2	1.4MHz	16QAM	18900	1RB#5	21.79	22.66	PASS

Band2	1.4MHz	16QAM	18900	3RB#0	21.94	22.81	PASS
Band2	1.4MHz	16QAM	18900	3RB#1	21.92	22.79	PASS
Band2	1.4MHz	16QAM	18900	3RB#3	21.99	22.86	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	20.81	21.68	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	21.84	22.71	PASS
Band2	1.4MHz	16QAM	19193	1RB#2	21.74	22.61	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	21.81	22.68	PASS
Band2	1.4MHz	16QAM	19193	3RB#0	21.79	22.66	PASS
Band2	1.4MHz	16QAM	19193	3RB#1	21.96	22.83	PASS
Band2	1.4MHz	16QAM	19193	3RB#3	21.91	22.78	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	20.68	21.55	PASS
Band2	3MHz	QPSK	18615	1RB#0	23.14	24.01	PASS
Band2	3MHz	QPSK	18615	1RB#8	22.71	23.58	PASS
Band2	3MHz	QPSK	18615	1RB#14	22.84	23.71	PASS
Band2	3MHz	QPSK	18615	8RB#0	22.13	23	PASS
Band2	3MHz	QPSK	18615	8RB#4	22.08	22.95	PASS
Band2	3MHz	QPSK	18615	8RB#7	21.96	22.83	PASS
Band2	3MHz	QPSK	18615	15RB#0	22.03	22.9	PASS
Band2	3MHz	QPSK	18900	1RB#0	22.99	23.86	PASS
Band2	3MHz	QPSK	18900	1RB#8	22.77	23.64	PASS
Band2	3MHz	QPSK	18900	1RB#14	22.80	23.67	PASS
Band2	3MHz	QPSK	18900	8RB#0	21.86	22.73	PASS
Band2	3MHz	QPSK	18900	8RB#4	21.87	22.74	PASS
Band2	3MHz	QPSK	18900	8RB#7	21.84	22.71	PASS
Band2	3MHz	QPSK	18900	15RB#0	21.86	22.73	PASS
Band2	3MHz	QPSK	19185	1RB#0	22.95	23.82	PASS
Band2	3MHz	QPSK	19185	1RB#8	23.21	24.08	PASS
Band2	3MHz	QPSK	19185	1RB#14	23.09	23.96	PASS
Band2	3MHz	QPSK	19185	8RB#0	22.07	22.94	PASS
Band2	3MHz	QPSK	19185	8RB#4	22.00	22.87	PASS
Band2	3MHz	QPSK	19185	8RB#7	22.02	22.89	PASS
Band2	3MHz	QPSK	19185	15RB#0	22.03	22.9	PASS
Band2	3MHz	16QAM	18615	1RB#0	22.11	22.98	PASS
Band2	3MHz	16QAM	18615	1RB#8	22.55	23.42	PASS
Band2	3MHz	16QAM	18615	1RB#14	21.93	22.8	PASS
Band2	3MHz	16QAM	18615	8RB#0	20.84	21.71	PASS
Band2	3MHz	16QAM	18615	8RB#4	21.00	21.87	PASS

Band2	3MHz	16QAM	18615	8RB#7	20.64	21.51	PASS
Band2	3MHz	16QAM	18615	15RB#0	20.95	21.82	PASS
Band2	3MHz	16QAM	18900	1RB#0	22.08	22.95	PASS
Band2	3MHz	16QAM	18900	1RB#8	21.79	22.66	PASS
Band2	3MHz	16QAM	18900	1RB#14	21.89	22.76	PASS
Band2	3MHz	16QAM	18900	8RB#0	21.02	21.89	PASS
Band2	3MHz	16QAM	18900	8RB#4	21.02	21.89	PASS
Band2	3MHz	16QAM	18900	8RB#7	20.95	21.82	PASS
Band2	3MHz	16QAM	18900	15RB#0	20.73	21.6	PASS
Band2	3MHz	16QAM	19185	1RB#0	21.76	22.63	PASS
Band2	3MHz	16QAM	19185	1RB#8	21.74	22.61	PASS
Band2	3MHz	16QAM	19185	1RB#14	22.08	22.95	PASS
Band2	3MHz	16QAM	19185	8RB#0	21.07	21.94	PASS
Band2	3MHz	16QAM	19185	8RB#4	20.92	21.79	PASS
Band2	3MHz	16QAM	19185	8RB#7	21.01	21.88	PASS
Band2	3MHz	16QAM	19185	15RB#0	20.93	21.8	PASS
Band2	5MHz	QPSK	18625	1RB#0	23.07	23.94	PASS
Band2	5MHz	QPSK	18625	1RB#12	22.82	23.69	PASS
Band2	5MHz	QPSK	18625	1RB#24	22.97	23.84	PASS
Band2	5MHz	QPSK	18625	12RB#0	21.78	22.65	PASS
Band2	5MHz	QPSK	18625	12RB#6	21.78	22.65	PASS
Band2	5MHz	QPSK	18625	12RB#13	21.66	22.53	PASS
Band2	5MHz	QPSK	18625	25RB#0	21.68	22.55	PASS
Band2	5MHz	QPSK	18900	1RB#0	22.96	23.83	PASS
Band2	5MHz	QPSK	18900	1RB#12	22.59	23.46	PASS
Band2	5MHz	QPSK	18900	1RB#24	22.85	23.72	PASS
Band2	5MHz	QPSK	18900	12RB#0	21.76	22.63	PASS
Band2	5MHz	QPSK	18900	12RB#6	21.67	22.54	PASS
Band2	5MHz	QPSK	18900	12RB#13	21.74	22.61	PASS
Band2	5MHz	QPSK	18900	25RB#0	21.75	22.62	PASS
Band2	5MHz	QPSK	19175	1RB#0	22.90	23.77	PASS
Band2	5MHz	QPSK	19175	1RB#12	22.87	23.74	PASS
Band2	5MHz	QPSK	19175	1RB#24	22.71	23.58	PASS
Band2	5MHz	QPSK	19175	12RB#0	21.67	22.54	PASS
Band2	5MHz	QPSK	19175	12RB#6	21.60	22.47	PASS
Band2	5MHz	QPSK	19175	12RB#13	21.68	22.55	PASS
Band2	5MHz	QPSK	19175	25RB#0	21.63	22.5	PASS

Band2	5MHz	16QAM	18625	1RB#0	21.91	22.78	PASS
Band2	5MHz	16QAM	18625	1RB#12	21.42	22.29	PASS
Band2	5MHz	16QAM	18625	1RB#24	22.01	22.88	PASS
Band2	5MHz	16QAM	18625	12RB#0	20.72	21.59	PASS
Band2	5MHz	16QAM	18625	12RB#6	20.71	21.58	PASS
Band2	5MHz	16QAM	18625	12RB#13	20.58	21.45	PASS
Band2	5MHz	16QAM	18625	25RB#0	20.62	21.49	PASS
Band2	5MHz	16QAM	18900	1RB#0	21.80	22.67	PASS
Band2	5MHz	16QAM	18900	1RB#12	21.77	22.64	PASS
Band2	5MHz	16QAM	18900	1RB#24	21.66	22.53	PASS
Band2	5MHz	16QAM	18900	12RB#0	20.71	21.58	PASS
Band2	5MHz	16QAM	18900	12RB#6	20.65	21.52	PASS
Band2	5MHz	16QAM	18900	12RB#13	20.64	21.51	PASS
Band2	5MHz	16QAM	18900	25RB#0	20.71	21.58	PASS
Band2	5MHz	16QAM	19175	1RB#0	21.57	22.44	PASS
Band2	5MHz	16QAM	19175	1RB#12	21.33	22.2	PASS
Band2	5MHz	16QAM	19175	1RB#24	21.55	22.42	PASS
Band2	5MHz	16QAM	19175	12RB#0	20.63	21.5	PASS
Band2	5MHz	16QAM	19175	12RB#6	20.45	21.32	PASS
Band2	5MHz	16QAM	19175	12RB#13	20.76	21.63	PASS
Band2	5MHz	16QAM	19175	25RB#0	20.81	21.68	PASS
Band2	10MHz	QPSK	18650	1RB#0	22.83	23.7	PASS
Band2	10MHz	QPSK	18650	1RB#24	22.75	23.62	PASS
Band2	10MHz	QPSK	18650	1RB#49	22.77	23.64	PASS
Band2	10MHz	QPSK	18650	25RB#0	21.73	22.6	PASS
Band2	10MHz	QPSK	18650	25RB#12	21.71	22.58	PASS
Band2	10MHz	QPSK	18650	25RB#25	21.81	22.68	PASS
Band2	10MHz	QPSK	18650	50RB#0	21.74	22.61	PASS
Band2	10MHz	QPSK	18900	1RB#0	22.85	23.72	PASS
Band2	10MHz	QPSK	18900	1RB#24	22.58	23.45	PASS
Band2	10MHz	QPSK	18900	1RB#49	22.63	23.5	PASS
Band2	10MHz	QPSK	18900	25RB#0	21.71	22.58	PASS
Band2	10MHz	QPSK	18900	25RB#12	21.66	22.53	PASS
Band2	10MHz	QPSK	18900	25RB#25	21.64	22.51	PASS
Band2	10MHz	QPSK	18900	50RB#0	21.64	22.51	PASS
Band2	10MHz	QPSK	19150	1RB#0	22.78	23.65	PASS
Band2	10MHz	QPSK	19150	1RB#24	22.61	23.48	PASS

Band2	10MHz	QPSK	19150	1RB#49	22.72	23.59	PASS
Band2	10MHz	QPSK	19150	25RB#0	21.63	22.5	PASS
Band2	10MHz	QPSK	19150	25RB#12	21.68	22.55	PASS
Band2	10MHz	QPSK	19150	25RB#25	21.65	22.52	PASS
Band2	10MHz	QPSK	19150	50RB#0	21.70	22.57	PASS
Band2	10MHz	16QAM	18650	1RB#0	21.95	22.82	PASS
Band2	10MHz	16QAM	18650	1RB#24	21.64	22.51	PASS
Band2	10MHz	16QAM	18650	1RB#49	21.81	22.68	PASS
Band2	10MHz	16QAM	18650	25RB#0	20.70	21.57	PASS
Band2	10MHz	16QAM	18650	25RB#12	20.79	21.66	PASS
Band2	10MHz	16QAM	18650	25RB#25	20.81	21.68	PASS
Band2	10MHz	16QAM	18650	50RB#0	20.70	21.57	PASS
Band2	10MHz	16QAM	18900	1RB#0	21.74	22.61	PASS
Band2	10MHz	16QAM	18900	1RB#24	21.91	22.78	PASS
Band2	10MHz	16QAM	18900	1RB#49	22.38	23.25	PASS
Band2	10MHz	16QAM	18900	25RB#0	20.64	21.51	PASS
Band2	10MHz	16QAM	18900	25RB#12	20.66	21.53	PASS
Band2	10MHz	16QAM	18900	25RB#25	20.74	21.61	PASS
Band2	10MHz	16QAM	18900	50RB#0	20.74	21.61	PASS
Band2	10MHz	16QAM	19150	1RB#0	21.62	22.49	PASS
Band2	10MHz	16QAM	19150	1RB#24	21.71	22.58	PASS
Band2	10MHz	16QAM	19150	1RB#49	21.68	22.55	PASS
Band2	10MHz	16QAM	19150	25RB#0	20.61	21.48	PASS
Band2	10MHz	16QAM	19150	25RB#12	20.62	21.49	PASS
Band2	10MHz	16QAM	19150	25RB#25	20.70	21.57	PASS
Band2	10MHz	16QAM	19150	50RB#0	20.68	21.55	PASS
Band2	15MHz	QPSK	18675	1RB#0	22.57	23.44	PASS
Band2	15MHz	QPSK	18675	1RB#38	22.52	23.39	PASS
Band2	15MHz	QPSK	18675	1RB#74	22.94	23.81	PASS
Band2	15MHz	QPSK	18675	38RB#0	21.76	22.63	PASS
Band2	15MHz	QPSK	18675	38RB#18	21.77	22.64	PASS
Band2	15MHz	QPSK	18675	38RB#37	22.01	22.88	PASS
Band2	15MHz	QPSK	18675	75RB#0	22.01	22.88	PASS
Band2	15MHz	QPSK	18900	1RB#0	23.14	24.01	PASS
Band2	15MHz	QPSK	18900	1RB#38	22.70	23.57	PASS
Band2	15MHz	QPSK	18900	1RB#74	23.07	23.94	PASS
Band2	15MHz	QPSK	18900	38RB#0	21.87	22.74	PASS

Band2	15MHz	QPSK	18900	38RB#18	21.63	22.5	PASS
Band2	15MHz	QPSK	18900	38RB#37	21.73	22.6	PASS
Band2	15MHz	QPSK	18900	75RB#0	21.86	22.73	PASS
Band2	15MHz	QPSK	19125	1RB#0	22.97	23.84	PASS
Band2	15MHz	QPSK	19125	1RB#38	22.76	23.63	PASS
Band2	15MHz	QPSK	19125	1RB#74	23.04	23.91	PASS
Band2	15MHz	QPSK	19125	38RB#0	22.64	23.51	PASS
Band2	15MHz	QPSK	19125	38RB#18	21.47	22.34	PASS
Band2	15MHz	QPSK	19125	38RB#37	21.90	22.77	PASS
Band2	15MHz	QPSK	19125	75RB#0	21.93	22.8	PASS
Band2	15MHz	16QAM	18675	1RB#0	21.92	22.79	PASS
Band2	15MHz	16QAM	18675	1RB#38	21.75	22.62	PASS
Band2	15MHz	16QAM	18675	1RB#74	22.69	23.56	PASS
Band2	15MHz	16QAM	18675	38RB#0	22.03	22.9	PASS
Band2	15MHz	16QAM	18675	38RB#18	21.93	22.8	PASS
Band2	15MHz	16QAM	18675	38RB#37	22.11	22.98	PASS
Band2	15MHz	16QAM	18675	75RB#0	20.93	21.8	PASS
Band2	15MHz	16QAM	18900	1RB#0	22.23	23.1	PASS
Band2	15MHz	16QAM	18900	1RB#38	21.39	22.26	PASS
Band2	15MHz	16QAM	18900	1RB#74	22.62	23.49	PASS
Band2	15MHz	16QAM	18900	38RB#0	21.85	22.72	PASS
Band2	15MHz	16QAM	18900	38RB#18	21.27	22.14	PASS
Band2	15MHz	16QAM	18900	38RB#37	21.75	22.62	PASS
Band2	15MHz	16QAM	18900	75RB#0	20.82	21.69	PASS
Band2	15MHz	16QAM	19125	1RB#0	21.98	22.85	PASS
Band2	15MHz	16QAM	19125	1RB#38	21.50	22.37	PASS
Band2	15MHz	16QAM	19125	1RB#74	22.04	22.91	PASS
Band2	15MHz	16QAM	19125	38RB#0	22.60	23.47	PASS
Band2	15MHz	16QAM	19125	38RB#18	22.44	23.31	PASS
Band2	15MHz	16QAM	19125	38RB#37	22.08	22.95	PASS
Band2	15MHz	16QAM	19125	75RB#0	20.89	21.76	PASS
Band2	20MHz	QPSK	18700	1RB#0	22.87	23.74	PASS
Band2	20MHz	QPSK	18700	1RB#49	23.22	24.09	PASS
Band2	20MHz	QPSK	18700	1RB#99	23.08	23.95	PASS
Band2	20MHz	QPSK	18700	50RB#0	21.98	22.85	PASS
Band2	20MHz	QPSK	18700	50RB#25	21.86	22.73	PASS
Band2	20MHz	QPSK	18700	50RB#50	22.14	23.01	PASS

Band2	20MHz	QPSK	18700	100RB#0	21.91	22.78	PASS
Band2	20MHz	QPSK	18900	1RB#0	23.09	23.96	PASS
Band2	20MHz	QPSK	18900	1RB#49	23.03	23.9	PASS
Band2	20MHz	QPSK	18900	1RB#99	22.94	23.81	PASS
Band2	20MHz	QPSK	18900	50RB#0	21.96	22.83	PASS
Band2	20MHz	QPSK	18900	50RB#25	22.06	22.93	PASS
Band2	20MHz	QPSK	18900	50RB#50	21.96	22.83	PASS
Band2	20MHz	QPSK	18900	100RB#0	21.96	22.83	PASS
Band2	20MHz	QPSK	19100	1RB#0	23.05	23.92	PASS
Band2	20MHz	QPSK	19100	1RB#49	22.97	23.84	PASS
Band2	20MHz	QPSK	19100	1RB#99	23.05	23.92	PASS
Band2	20MHz	QPSK	19100	50RB#0	22.10	22.97	PASS
Band2	20MHz	QPSK	19100	50RB#25	22.06	22.93	PASS
Band2	20MHz	QPSK	19100	50RB#50	21.92	22.79	PASS
Band2	20MHz	QPSK	19100	100RB#0	21.96	22.83	PASS
Band2	20MHz	16QAM	18700	1RB#0	22.28	23.15	PASS
Band2	20MHz	16QAM	18700	1RB#49	22.87	23.74	PASS
Band2	20MHz	16QAM	18700	1RB#99	21.80	22.67	PASS
Band2	20MHz	16QAM	18700	50RB#0	20.87	21.74	PASS
Band2	20MHz	16QAM	18700	50RB#25	20.80	21.67	PASS
Band2	20MHz	16QAM	18700	50RB#50	21.04	21.91	PASS
Band2	20MHz	16QAM	18700	100RB#0	20.84	21.71	PASS
Band2	20MHz	16QAM	18900	1RB#0	21.66	22.53	PASS
Band2	20MHz	16QAM	18900	1RB#49	21.65	22.52	PASS
Band2	20MHz	16QAM	18900	1RB#99	21.76	22.63	PASS
Band2	20MHz	16QAM	18900	50RB#0	20.92	21.79	PASS
Band2	20MHz	16QAM	18900	50RB#25	20.91	21.78	PASS
Band2	20MHz	16QAM	18900	50RB#50	20.96	21.83	PASS
Band2	20MHz	16QAM	18900	100RB#0	20.83	21.7	PASS
Band2	20MHz	16QAM	19100	1RB#0	22.39	23.26	PASS
Band2	20MHz	16QAM	19100	1RB#49	22.66	23.53	PASS
Band2	20MHz	16QAM	19100	1RB#99	22.29	23.16	PASS
Band2	20MHz	16QAM	19100	50RB#0	20.99	21.86	PASS
Band2	20MHz	16QAM	19100	50RB#25	21.09	21.96	PASS
Band2	20MHz	16QAM	19100	50RB#50	20.86	21.73	PASS
Band2	20MHz	16QAM	19100	100RB#0	20.88	21.75	PASS

Remark:EIRP (dBm) = Conducted power (dBm) + Antenna Gain (dBi).

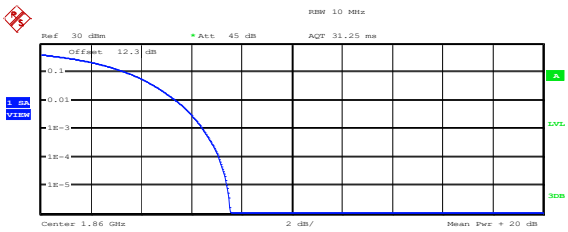
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	6.44	13	PASS
Band2	20MHz	QPSK	18900	100RB#0	6.41	13	PASS
Band2	20MHz	QPSK	19100	100RB#0	8.49	13	PASS
Band2	20MHz	16QAM	18700	100RB#0	7.12	13	PASS
Band2	20MHz	16QAM	18900	100RB#0	7.15	13	PASS
Band2	20MHz	16QAM	19100	100RB#0	7.12	13	PASS

Test Graphs

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

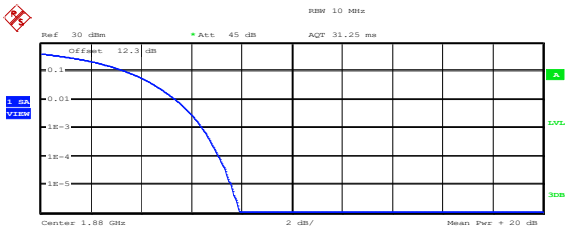


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	19.07 dBm
Peak	26.88 dBm
Crest	7.81 dB
10 %	3.33 dB
1 %	5.35 dB
.1 %	6.44 dB
.01 %	7.08 dB

Date: 8.JUL.2021 17:24:24

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

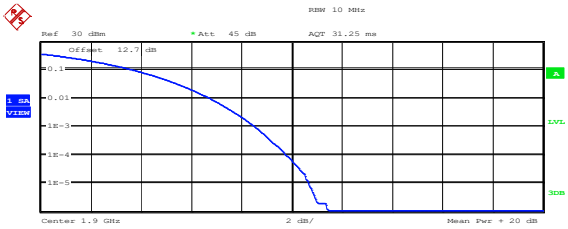


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	18.49 dBm
Peak	26.53 dBm
Crest	8.03 dB
10 %	3.33 dB
1 %	5.32 dB
.1 %	6.41 dB
.01 %	7.05 dB

Date: 8.JUL.2021 17:24:46

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

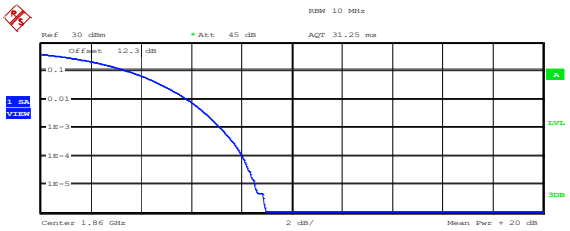


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	-20.44 dBm
Peak	-8.75 dBm
Crest	11.69 dB
10 %	3.65 dB
1 %	6.70 dB
.1 %	8.49 dB
.01 %	9.74 dB

Date: 8.JUL.2021 17:25:09

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

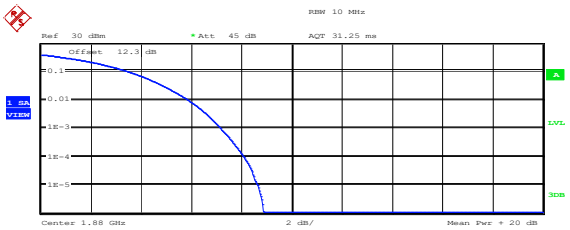


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	17.99 dBm
Peak	27.02 dBm
Crest	9.03 dB
10 %	3.43 dB
1 %	5.80 dB
.1 %	7.12 dB
.01 %	8.01 dB

Date: 8.JUL.2021 17:24:35

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

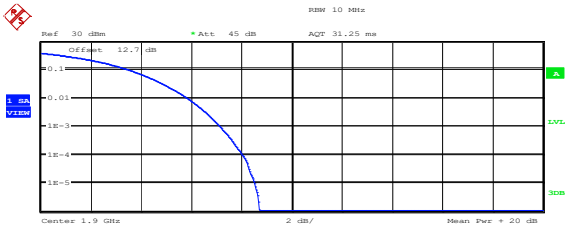


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	17.59 dBm
Peak	26.53 dBm
Crest	8.94 dB
10 %	3.46 dB
1 %	5.83 dB
.1 %	7.15 dB
.01 %	8.08 dB

Date: 8.JUL.2021 17:24:57

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



Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	17.76 dBm
Peak	26.67 dBm
Crest	8.91 dB
10 %	3.49 dB
1 %	5.80 dB
.1 %	7.12 dB
.01 %	8.01 dB

Date: 8.JUL.2021 17:25:49

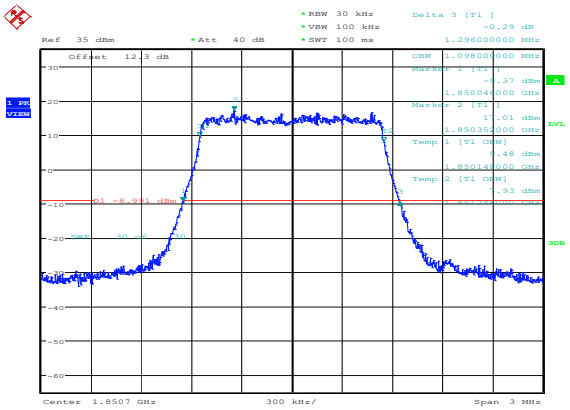
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

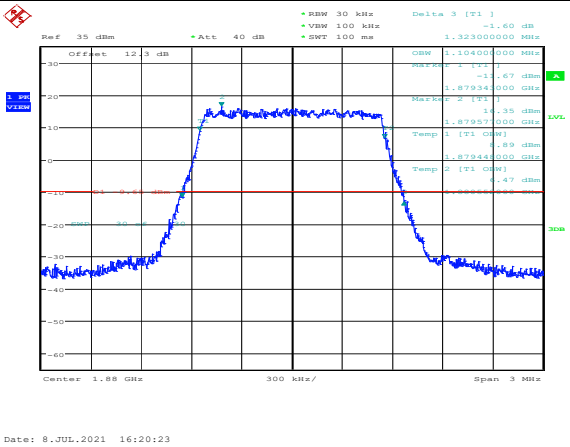
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	1.098	1.296	PASS
Band2	1.4MHz	QPSK	18900	6RB#0	1.104	1.323	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	1.095	1.311	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	1.101	1.308	PASS
Band2	1.4MHz	16QAM	18900	6RB#0	1.095	1.287	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	1.101	1.314	PASS
Band2	3MHz	QPSK	18615	15RB#0	2.706	2.970	PASS
Band2	3MHz	QPSK	18900	15RB#0	2.706	2.970	PASS
Band2	3MHz	QPSK	19185	15RB#0	2.706	2.976	PASS
Band2	3MHz	16QAM	18615	15RB#0	2.688	2.916	PASS
Band2	3MHz	16QAM	18900	15RB#0	2.694	2.988	PASS
Band2	3MHz	16QAM	19185	15RB#0	2.694	2.994	PASS
Band2	5MHz	QPSK	18625	25RB#0	4.48	4.970	PASS
Band2	5MHz	QPSK	18900	25RB#0	4.47	4.920	PASS
Band2	5MHz	QPSK	19175	25RB#0	4.48	4.930	PASS
Band2	5MHz	16QAM	18625	25RB#0	4.48	4.860	PASS
Band2	5MHz	16QAM	18900	25RB#0	4.49	4.960	PASS
Band2	5MHz	16QAM	19175	25RB#0	4.49	4.970	PASS
Band2	10MHz	QPSK	18650	50RB#0	8.94	9.720	PASS
Band2	10MHz	QPSK	18900	50RB#0	8.96	9.780	PASS
Band2	10MHz	QPSK	19150	50RB#0	8.94	9.720	PASS
Band2	10MHz	16QAM	18650	50RB#0	8.92	9.640	PASS
Band2	10MHz	16QAM	18900	50RB#0	8.96	9.660	PASS
Band2	10MHz	16QAM	19150	50RB#0	8.94	9.680	PASS
Band2	15MHz	QPSK	18675	75RB#0	13.47	14.910	PASS
Band2	15MHz	QPSK	18900	75RB#0	13.5	14.970	PASS
Band2	15MHz	QPSK	19125	75RB#0	13.44	14.730	PASS
Band2	15MHz	16QAM	18675	75RB#0	13.44	14.820	PASS
Band2	15MHz	16QAM	18900	75RB#0	13.47	14.880	PASS
Band2	15MHz	16QAM	19125	75RB#0	13.47	14.820	PASS
Band2	20MHz	QPSK	18700	100RB#0	17.84	19.360	PASS
Band2	20MHz	QPSK	18900	100RB#0	17.92	19.600	PASS
Band2	20MHz	QPSK	19100	100RB#0	17.92	19.400	PASS
Band2	20MHz	16QAM	18700	100RB#0	17.84	19.280	PASS
Band2	20MHz	16QAM	18900	100RB#0	17.84	19.200	PASS
Band2	20MHz	16QAM	19100	100RB#0	17.88	19.360	PASS

Test Graphs

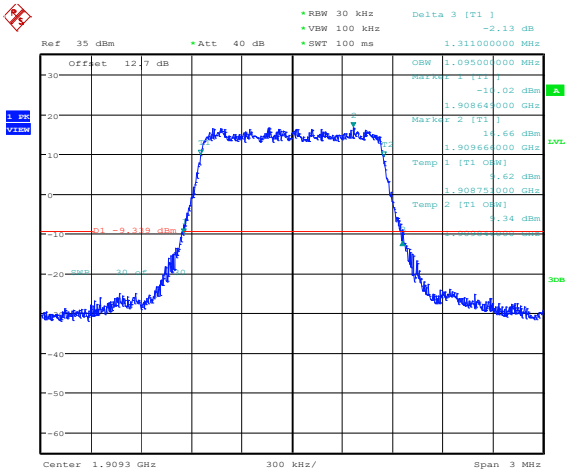
Band2-1.4MHz-QPSK-18607-6RB#0



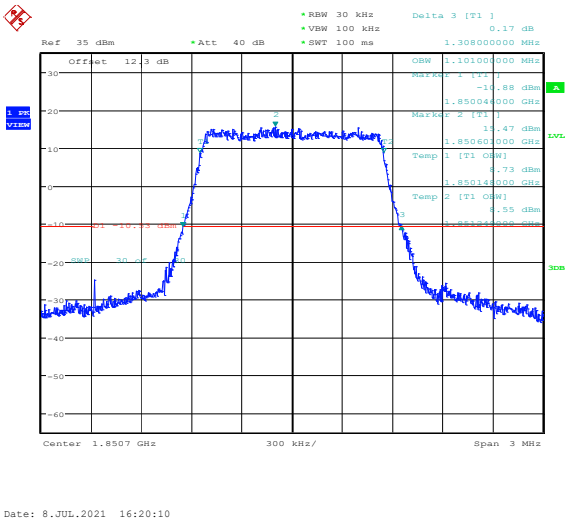
Band2-1.4MHz-QPSK-18900-6RB#0



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



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



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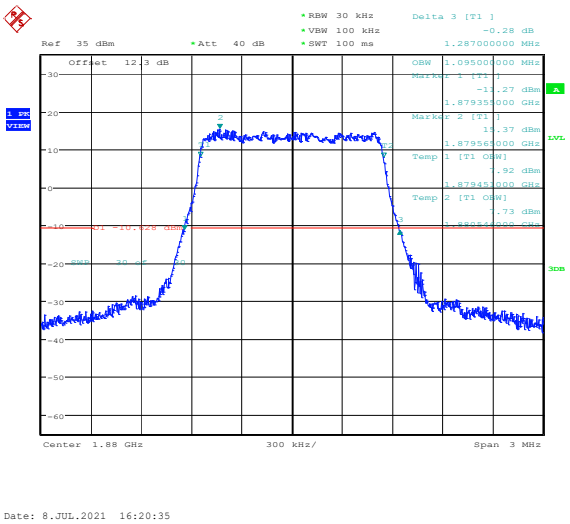

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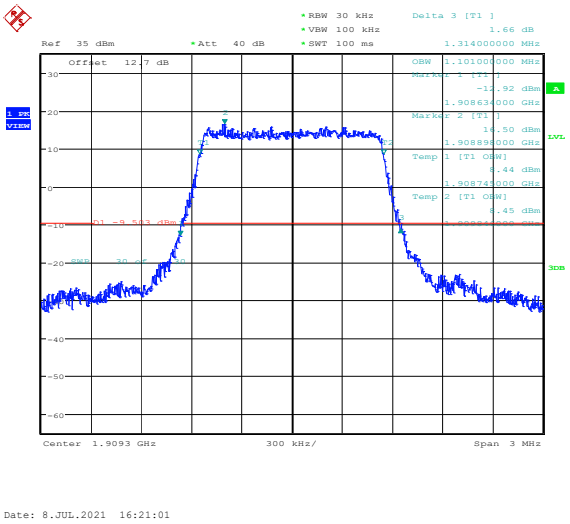
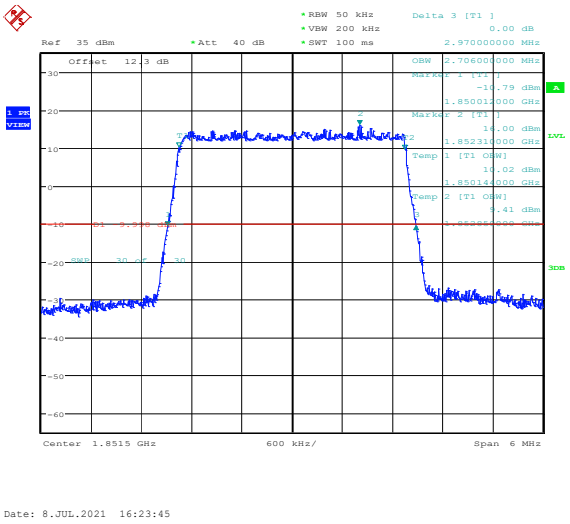
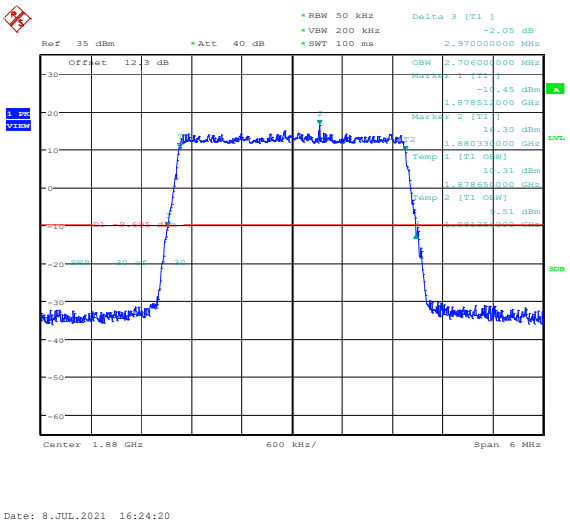


Band2-3MHz-QPSK-18615-15RB#0



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



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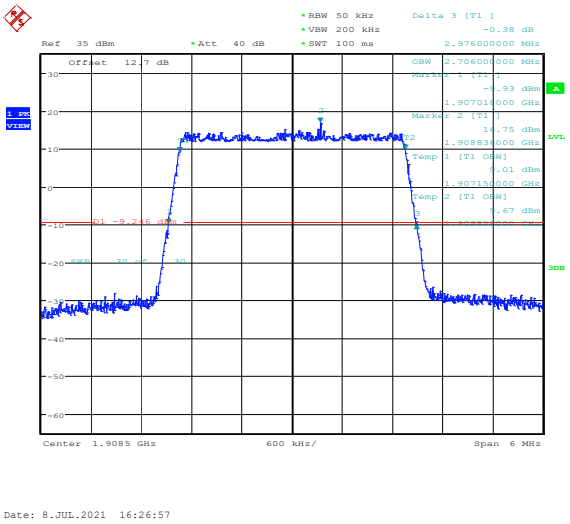

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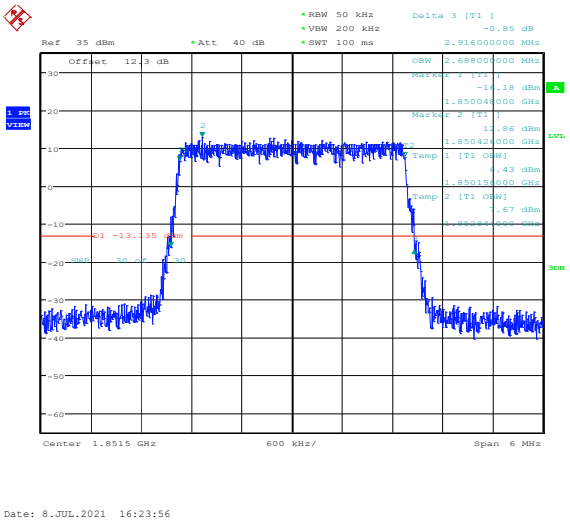

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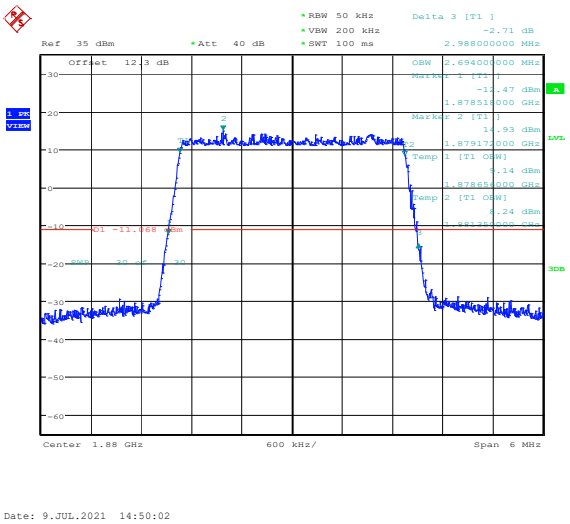

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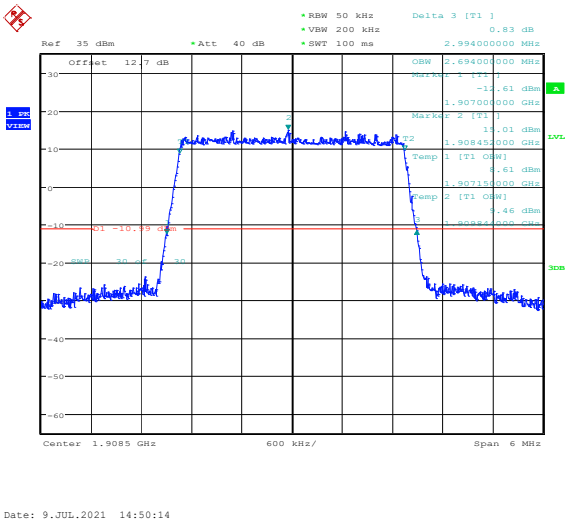

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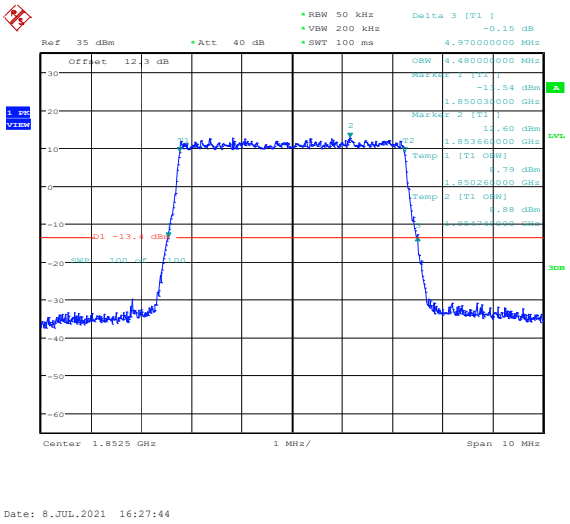
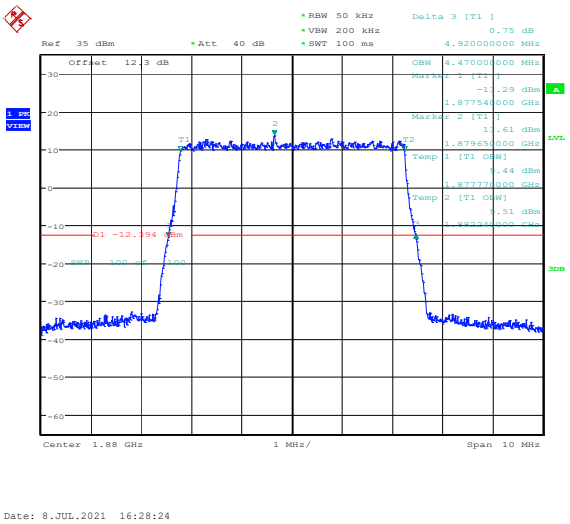
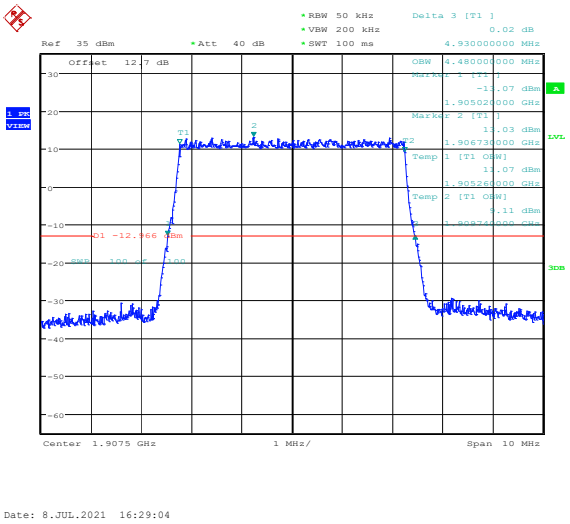


Band2-5MHz-QPSK-18900-25RB#0



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



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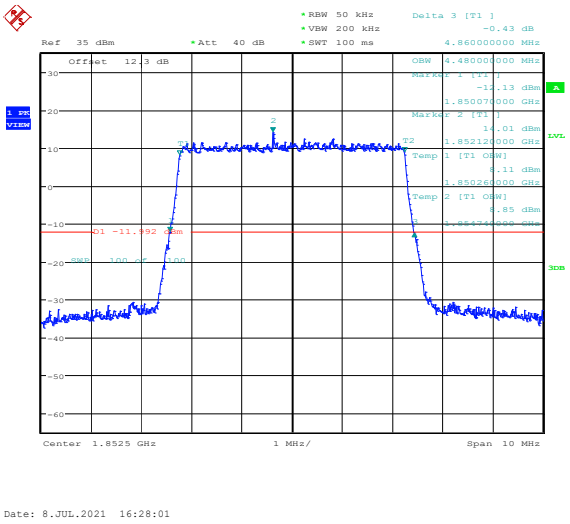

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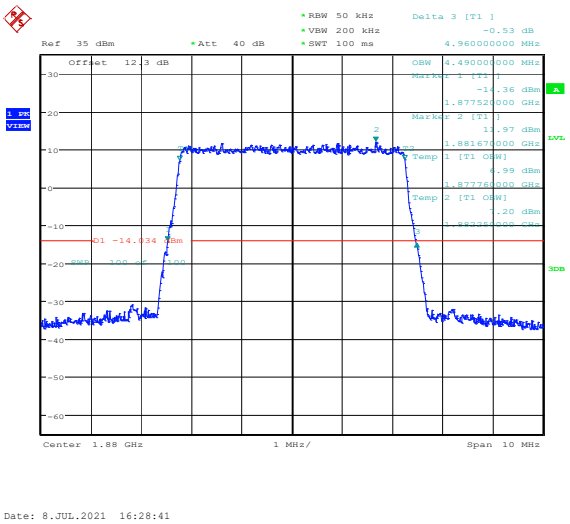

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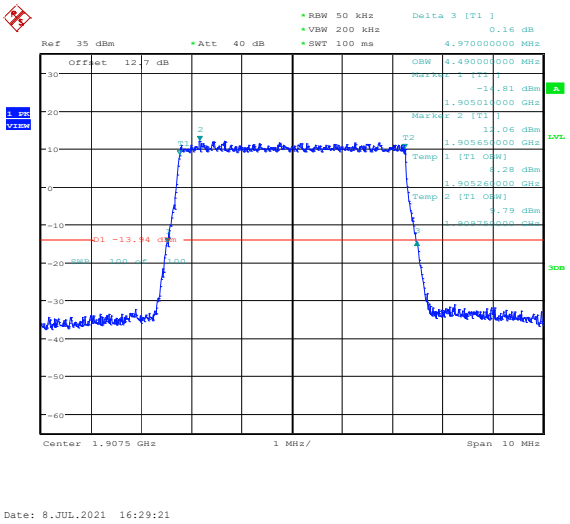
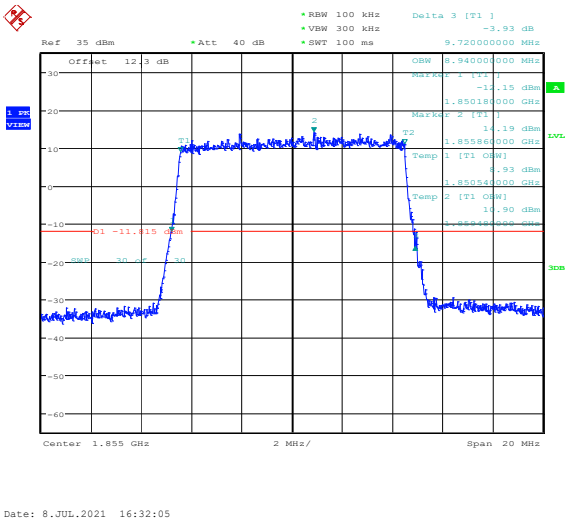


Band2-10MHz-QPSK-18650-50RB#0



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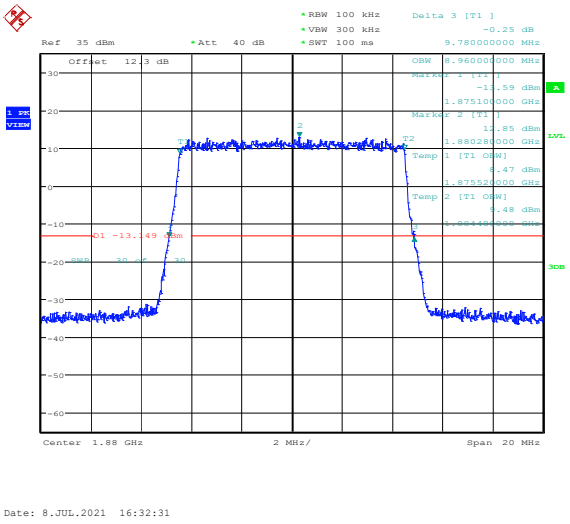

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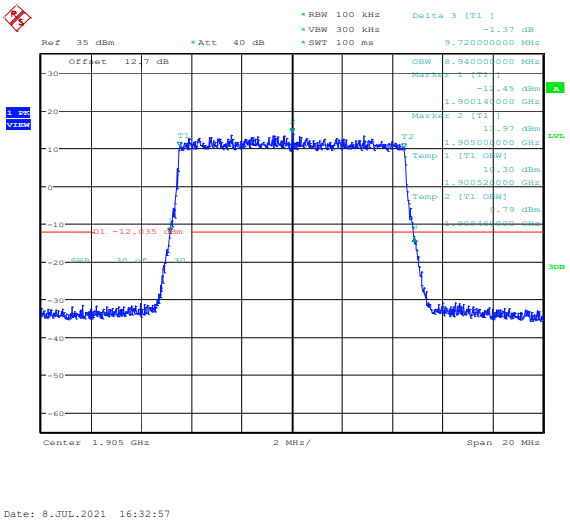
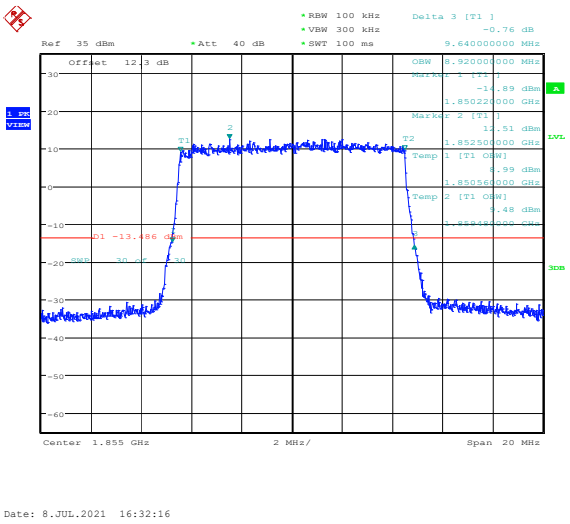
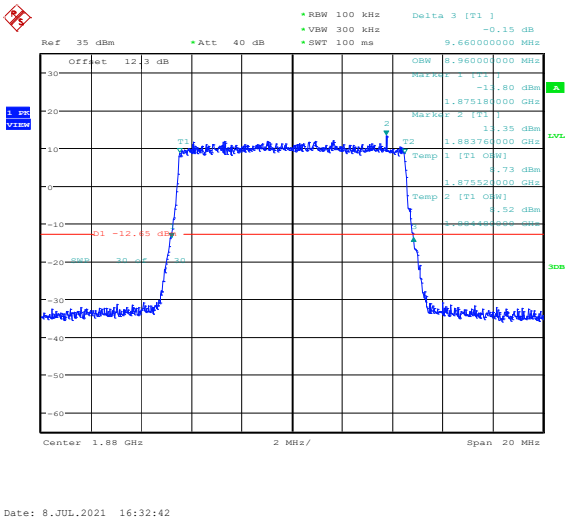


Band2-10MHz-16QAM-18650-50RB#0



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



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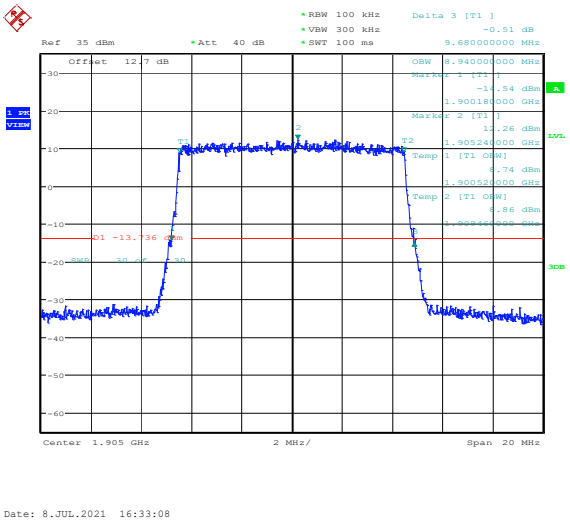
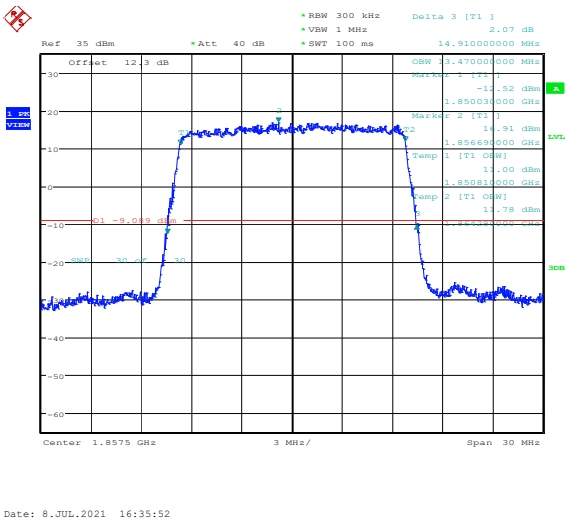
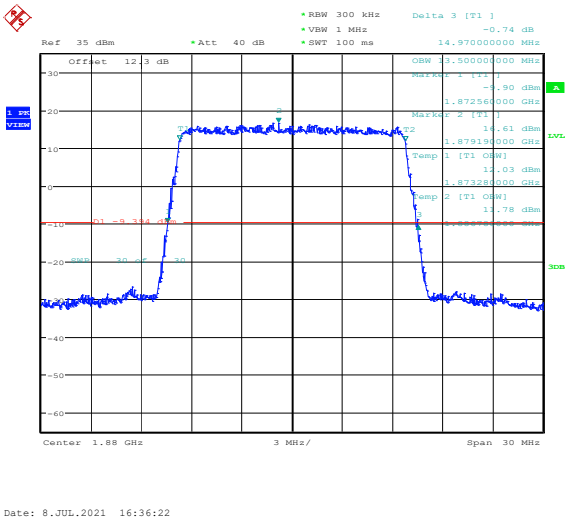


Band2-15MHz-QPSK-18675-75RB#0



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



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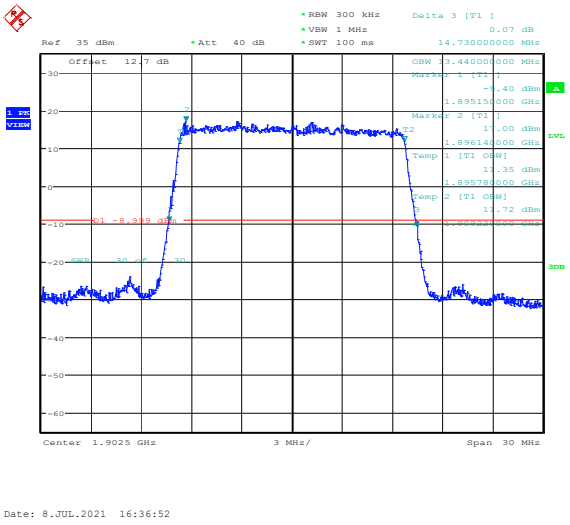

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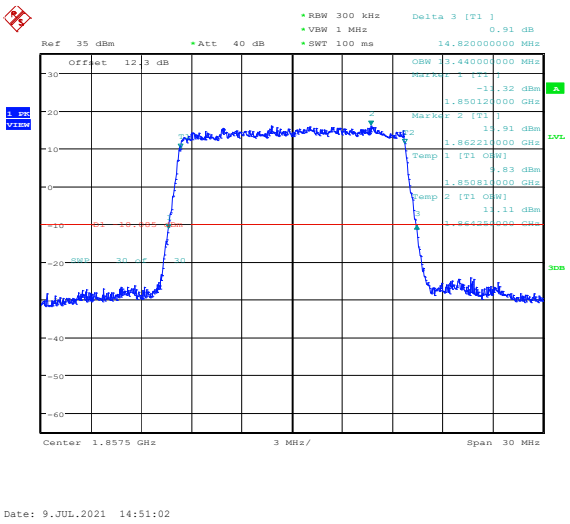

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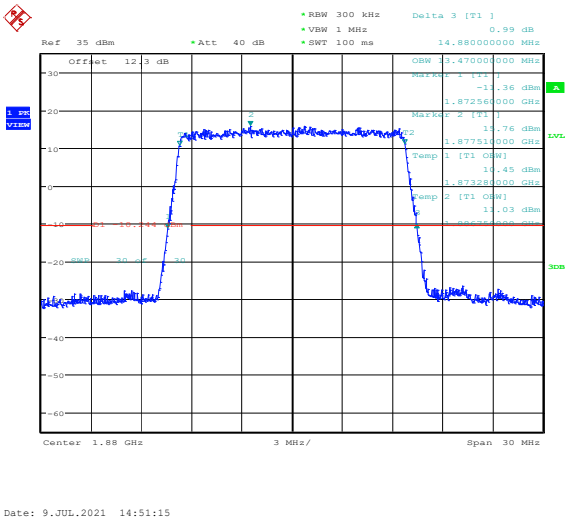

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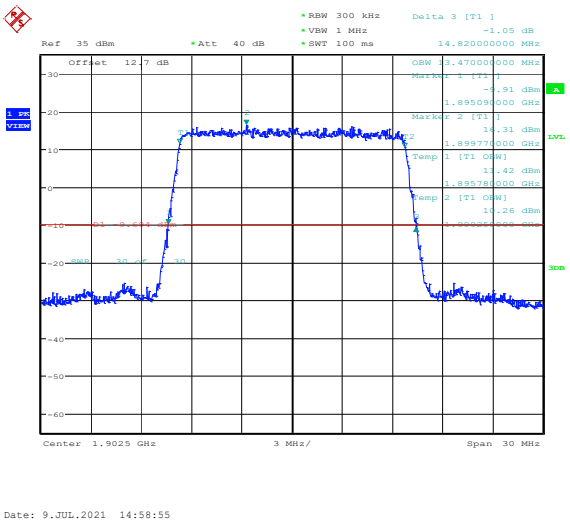

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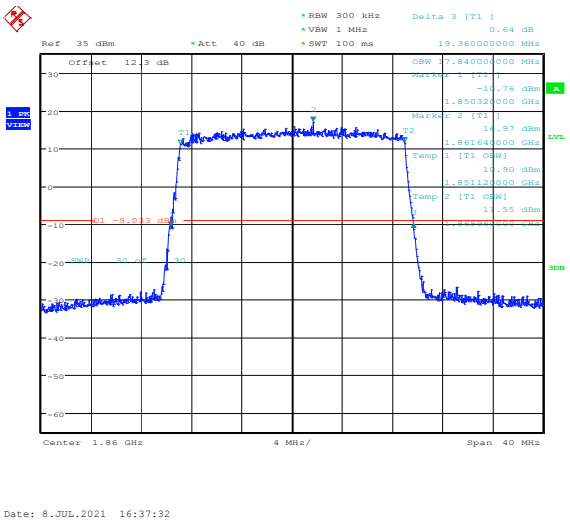
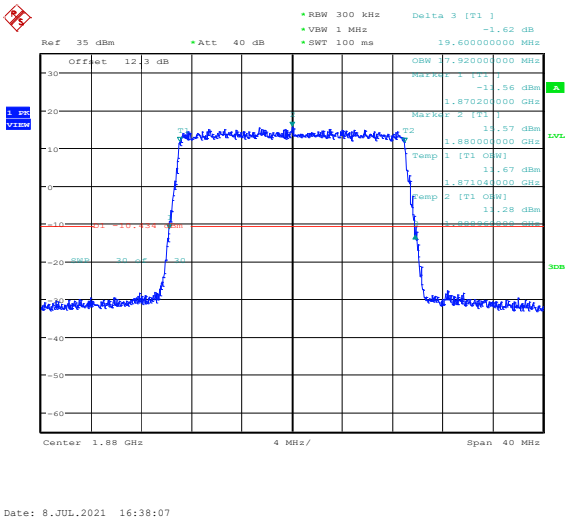
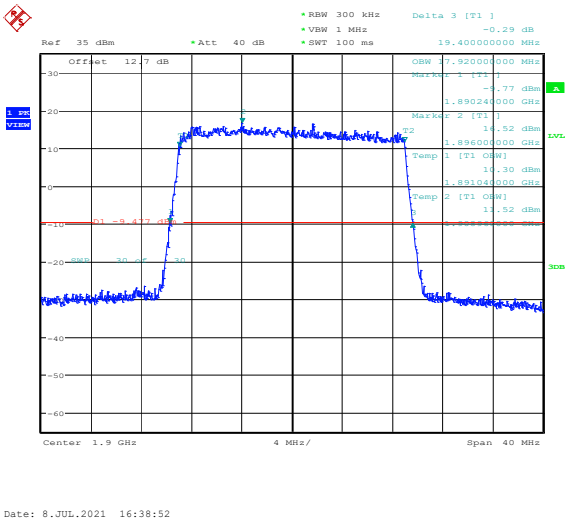


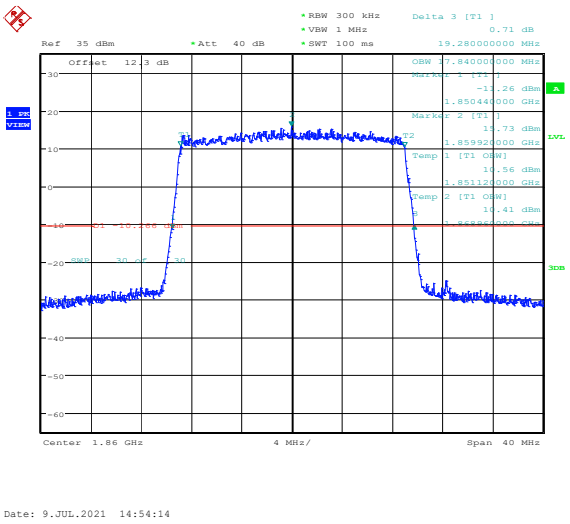
Band2-20MHz-QPSK-18900-100RB#0



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



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



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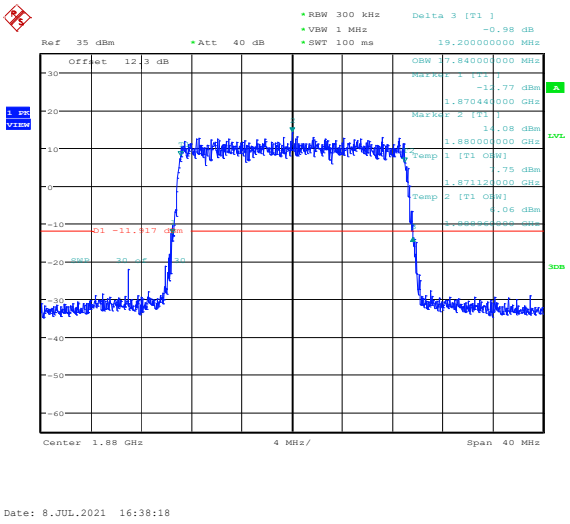
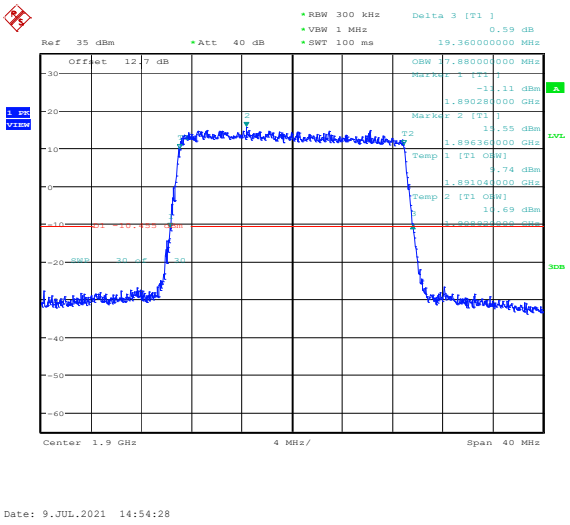


Band2-20MHz-16QAM-19100-100RB#0



Appendix D: Band Edge

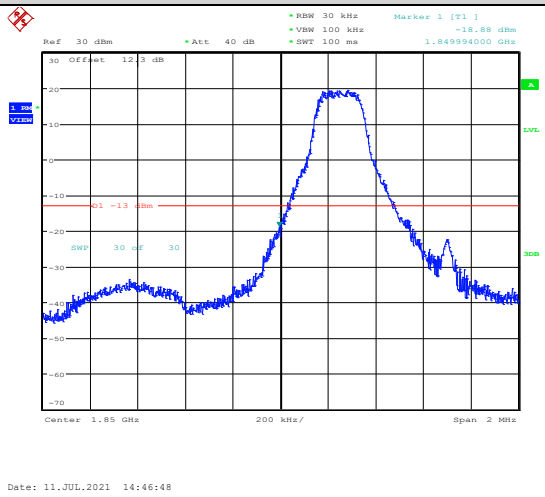
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	-18.88	PASS
Band2	1.4MHz	QPSK	18607	6RB#0	-23.20	PASS
Band2	1.4MHz	QPSK	19193	1RB#5	-16.23	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-22.37	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	-18.02	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-23.22	PASS
Band2	1.4MHz	16QAM	19193	1RB#5	-14.78	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-23.95	PASS
Band2	3MHz	QPSK	18615	1RB#0	-19.43	PASS
Band2	3MHz	QPSK	18615	15RB#0	-24.01	PASS
Band2	3MHz	QPSK	19185	1RB#14	-14.75	PASS
Band2	3MHz	QPSK	19185	15RB#0	-24.42	PASS
Band2	3MHz	16QAM	18615	1RB#0	-19.02	PASS
Band2	3MHz	16QAM	18615	15RB#0	-27.68	PASS
Band2	3MHz	16QAM	19185	1RB#14	-15.47	PASS
Band2	3MHz	16QAM	19185	15RB#0	-24.70	PASS
Band2	5MHz	QPSK	18625	1RB#0	-20.03	PASS
Band2	5MHz	QPSK	18625	25RB#0	-23.97	PASS
Band2	5MHz	QPSK	19175	1RB#24	-16.64	PASS
Band2	5MHz	QPSK	19175	25RB#0	-25.84	PASS
Band2	5MHz	16QAM	18625	1RB#0	-20.38	PASS
Band2	5MHz	16QAM	18625	25RB#0	-27.35	PASS
Band2	5MHz	16QAM	19175	1RB#24	-18.99	PASS
Band2	5MHz	16QAM	19175	25RB#0	-26.69	PASS
Band2	10MHz	QPSK	18650	1RB#0	-29.49	PASS
Band2	10MHz	QPSK	18650	50RB#0	-30.49	PASS
Band2	10MHz	QPSK	19150	1RB#49	-27.10	PASS
Band2	10MHz	QPSK	19150	50RB#0	-28.30	PASS
Band2	10MHz	16QAM	18650	1RB#0	-27.74	PASS
Band2	10MHz	16QAM	18650	50RB#0	-33.39	PASS
Band2	10MHz	16QAM	19150	1RB#49	-29.49	PASS
Band2	10MHz	16QAM	19150	50RB#0	-30.19	PASS
Band2	15MHz	QPSK	18675	1RB#0	-22.86	PASS
Band2	15MHz	QPSK	18675	75RB#0	-31.42	PASS
Band2	15MHz	QPSK	19125	1RB#74	-21.50	PASS
Band2	15MHz	QPSK	19125	75RB#0	-28.97	PASS
Band2	15MHz	16QAM	18675	1RB#0	-22.82	PASS

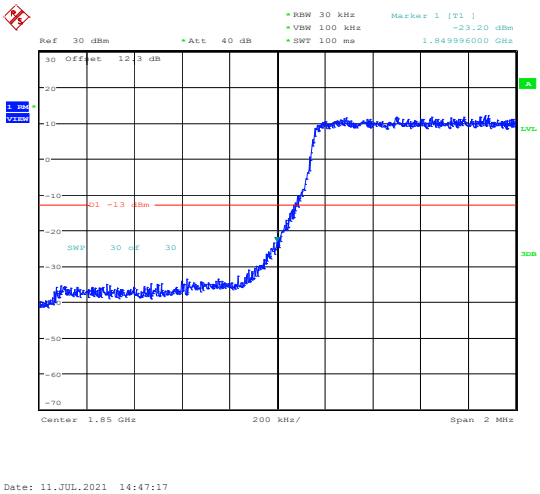
Band2	15MHz	16QAM	18675	75RB#0	-33.95	PASS
Band2	15MHz	16QAM	19125	1RB#74	-19.86	PASS
Band2	15MHz	16QAM	19125	75RB#0	-30.58	PASS
Band2	20MHz	QPSK	18700	1RB#0	-24.26	PASS
Band2	20MHz	QPSK	18700	100RB#0	-33.49	PASS
Band2	20MHz	QPSK	19100	1RB#99	-20.36	PASS
Band2	20MHz	QPSK	19100	100RB#0	-30.80	PASS
Band2	20MHz	16QAM	18700	1RB#0	-24.21	PASS
Band2	20MHz	16QAM	18700	100RB#0	-34.80	PASS
Band2	20MHz	16QAM	19100	1RB#99	-21.51	PASS
Band2	20MHz	16QAM	19100	100RB#0	-32.06	PASS

Test Graphs

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



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



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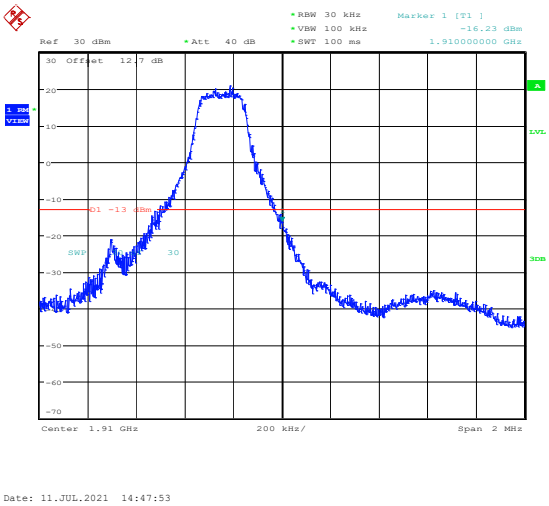
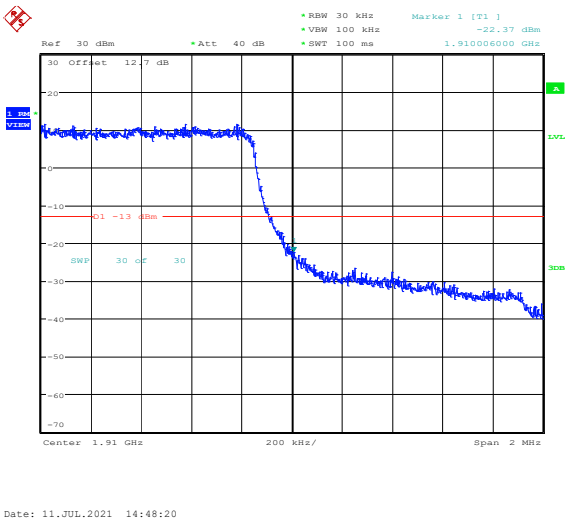
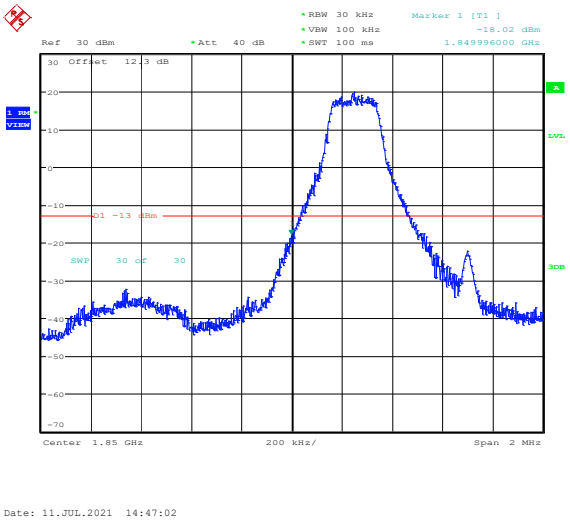


Band2-1.4MHz-QPSK-19193-6RB#0



Band2-1.4MHz-16QAM-18607-1RB#0



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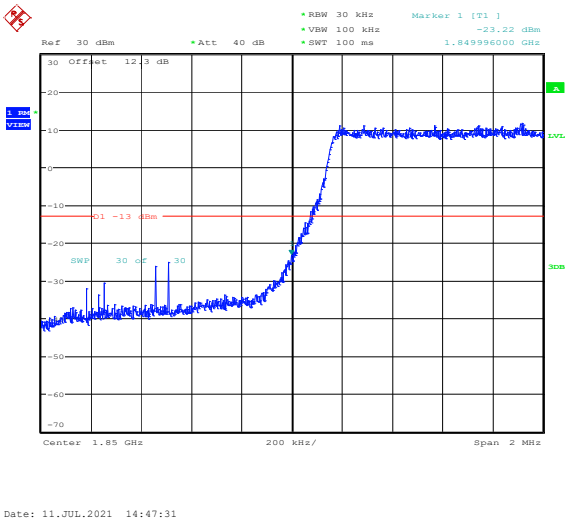

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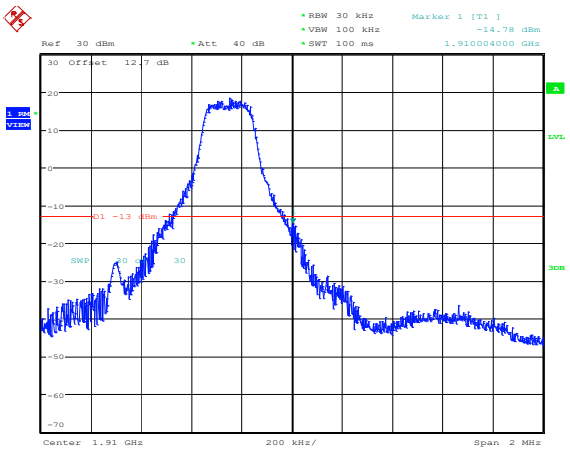

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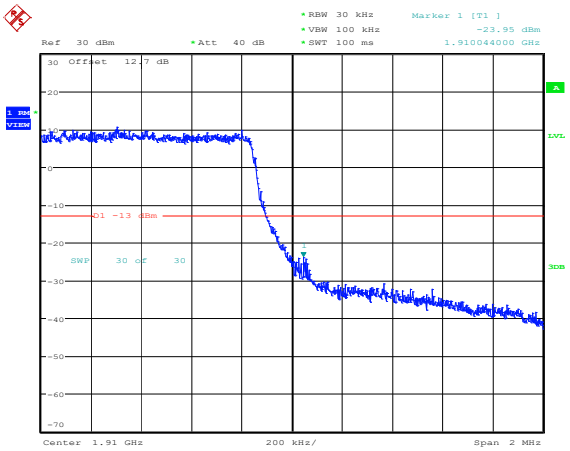
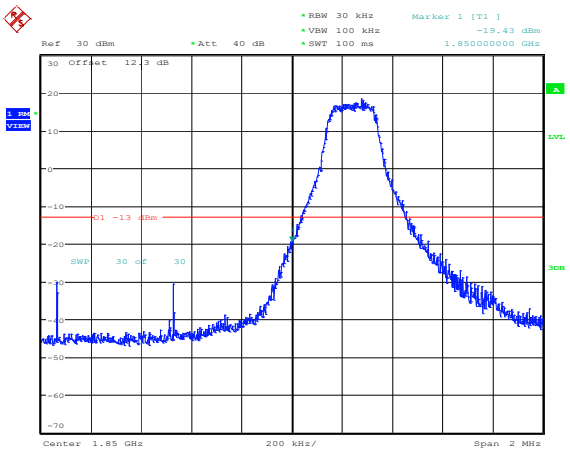
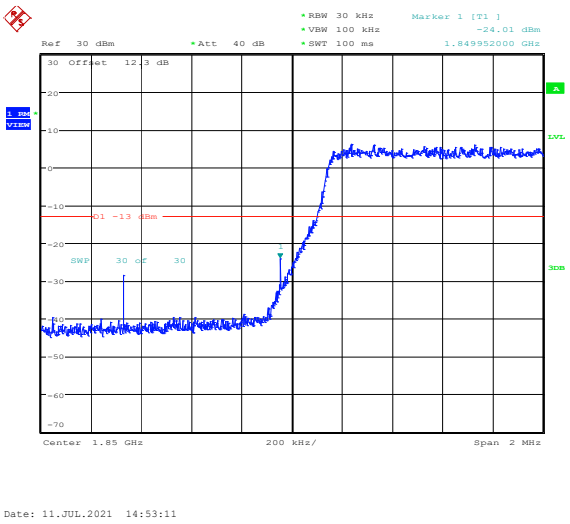


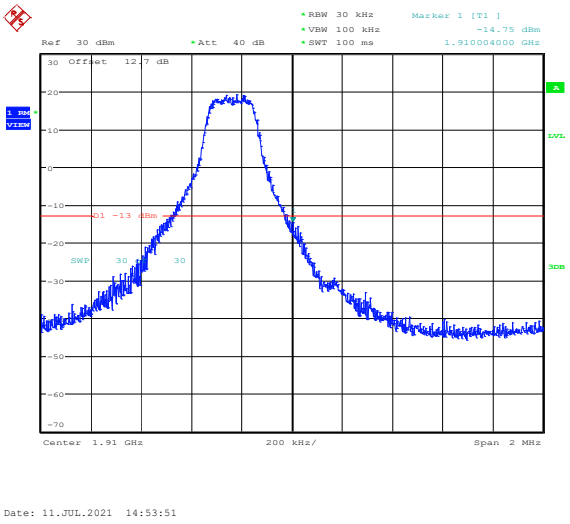
Band2-3MHz-QPSK-18615-1RB#0



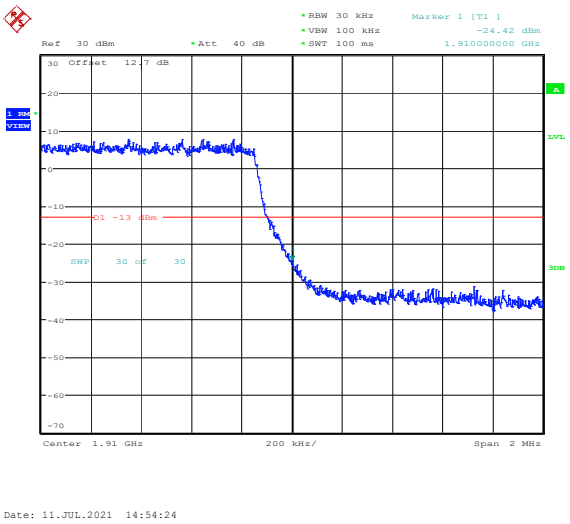
Band2-3MHz-QPSK-18615-15RB#0



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



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



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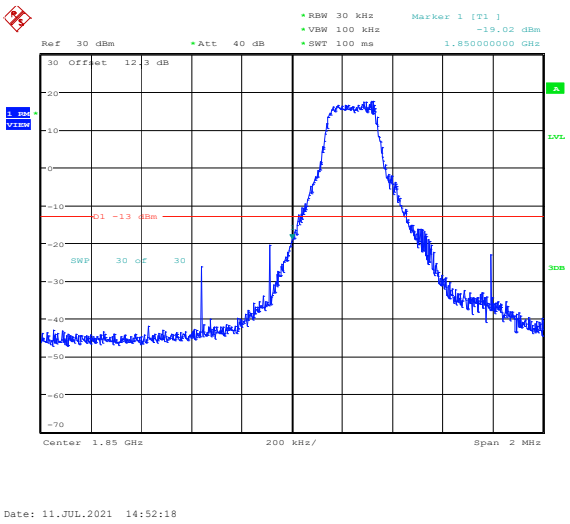

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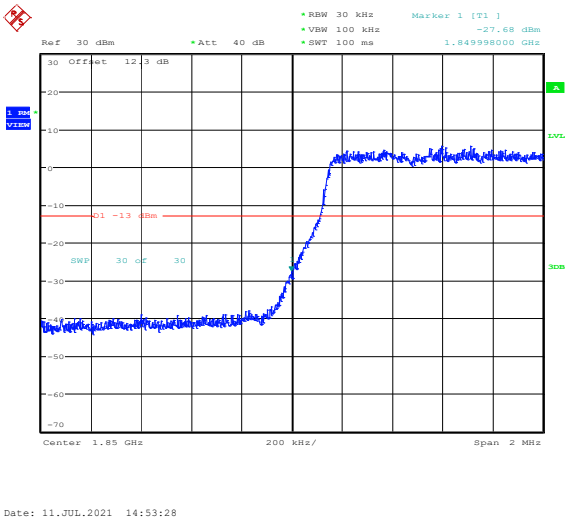

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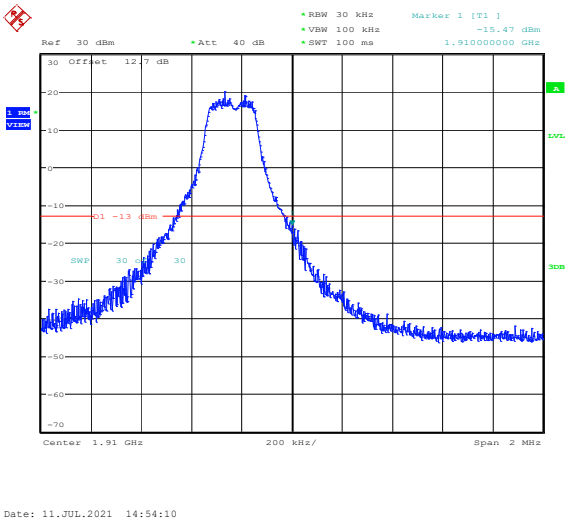

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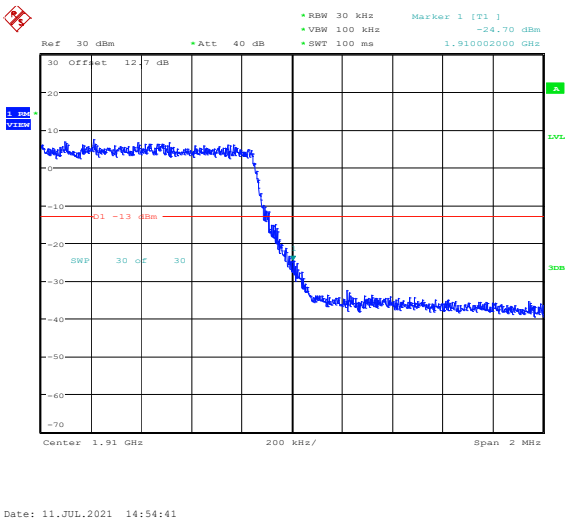
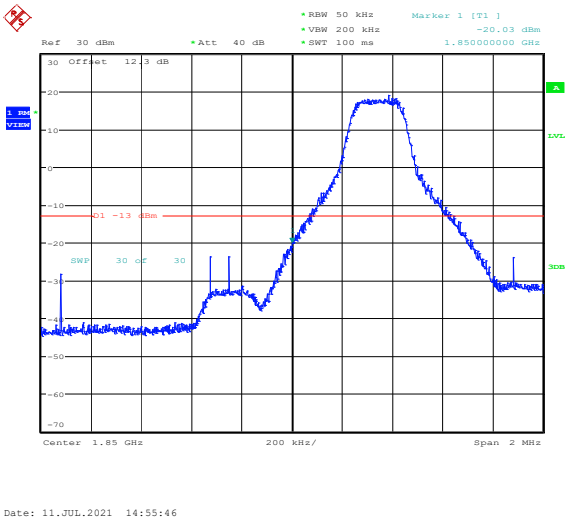
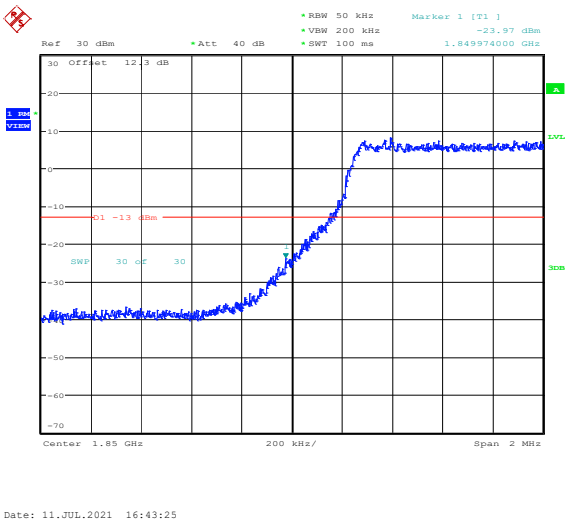


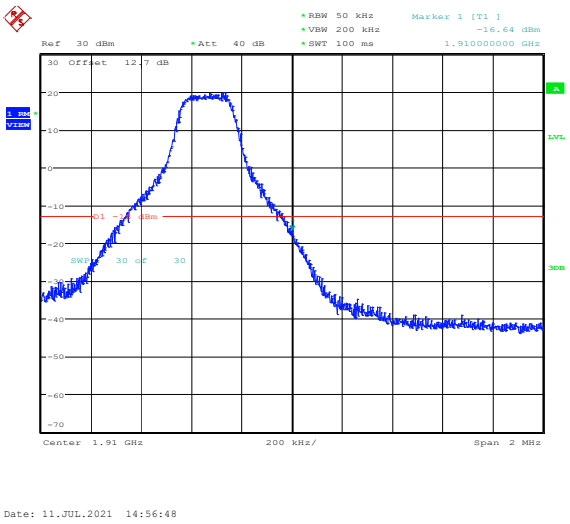
Band2-5MHz-QPSK-18625-1RB#0



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



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



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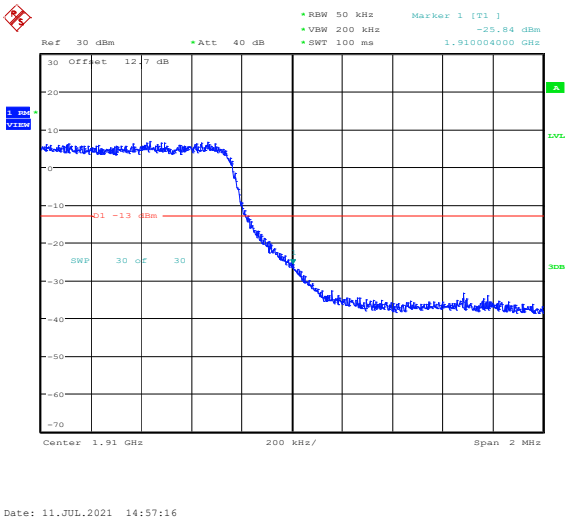

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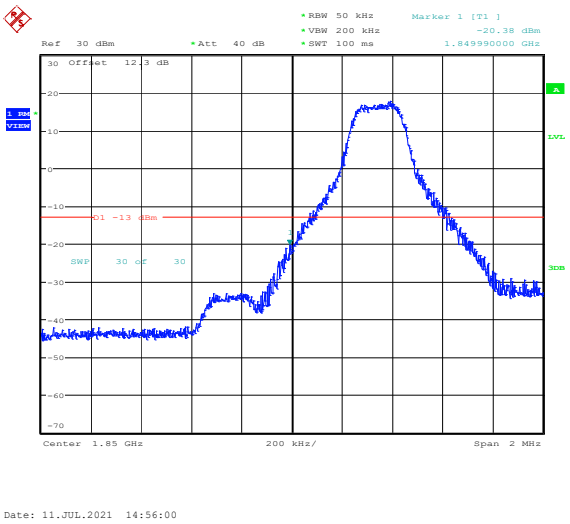
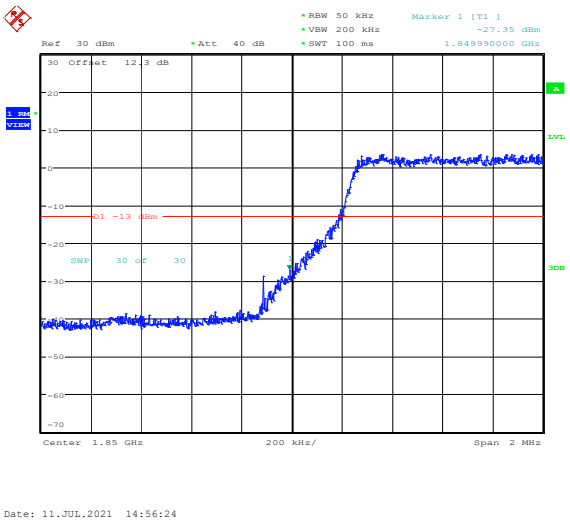


Band2-5MHz-16QAM-18625-25RB#0



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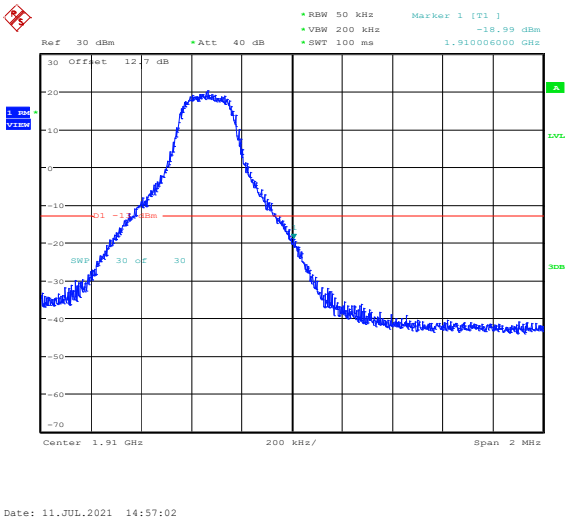

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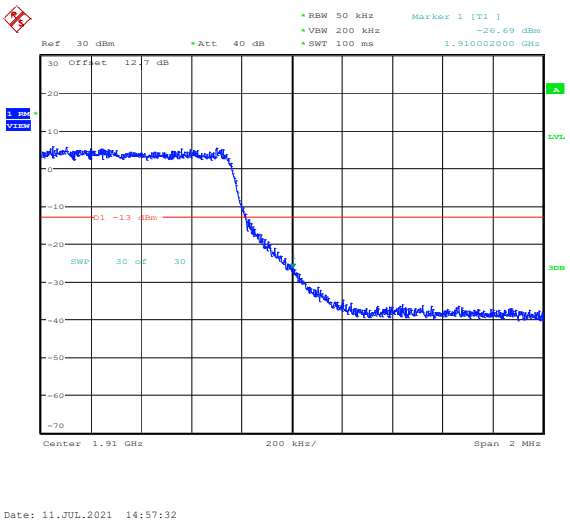
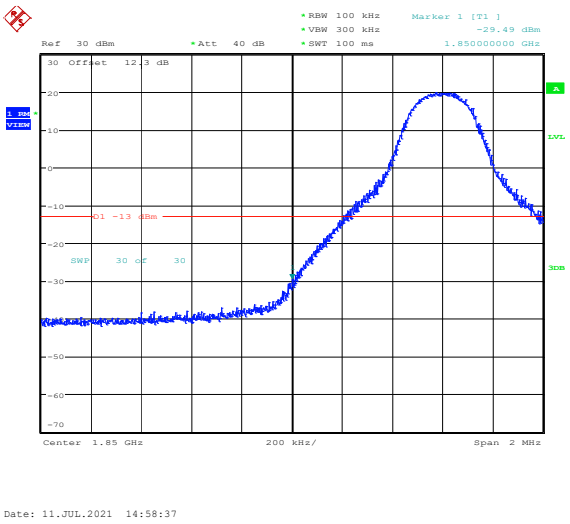


Band2-10MHz-QPSK-18650-1RB#0



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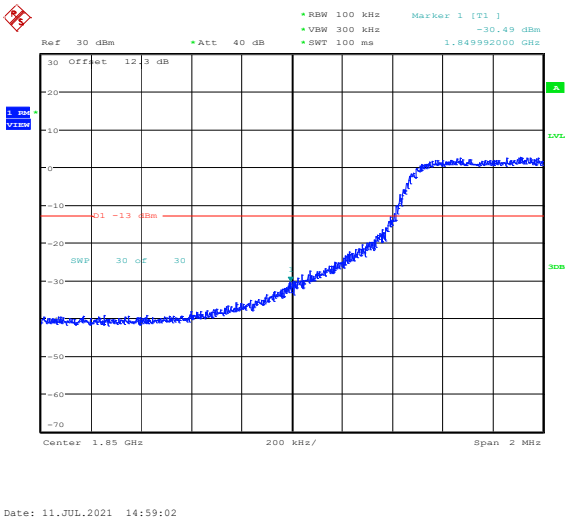

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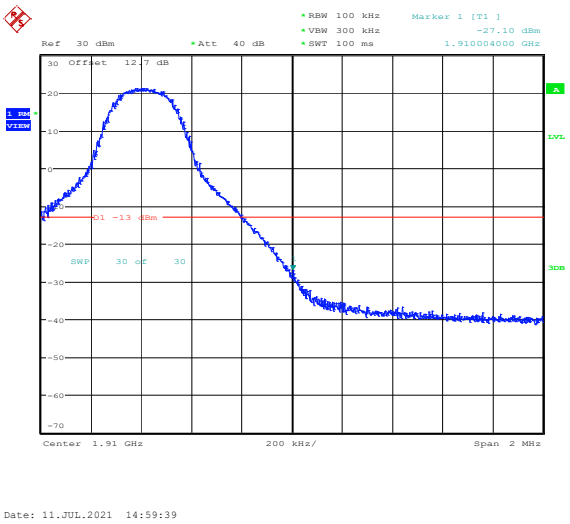

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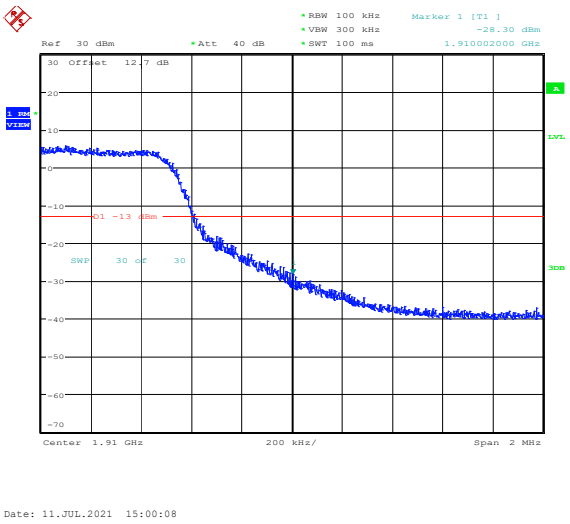
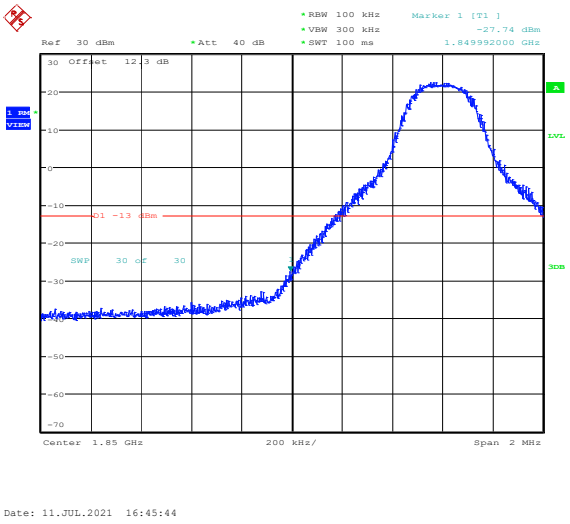
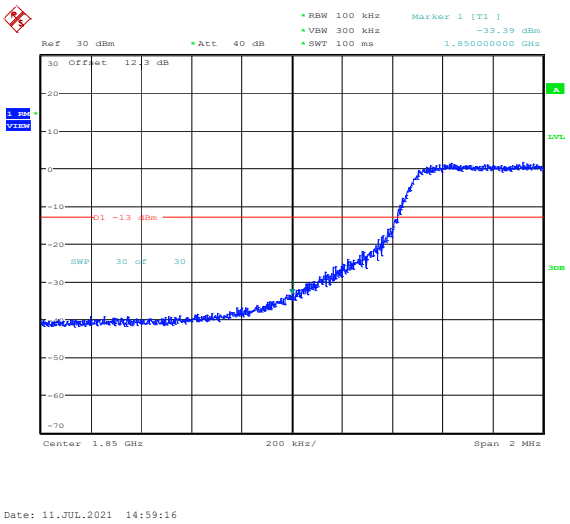


Band2-10MHz-16QAM-18650-1RB#0



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



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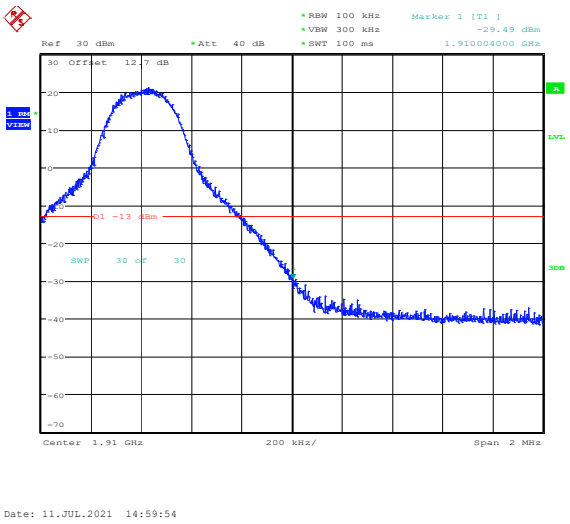

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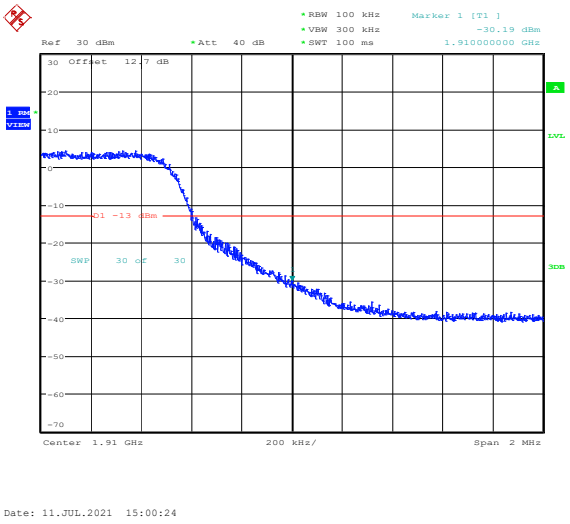
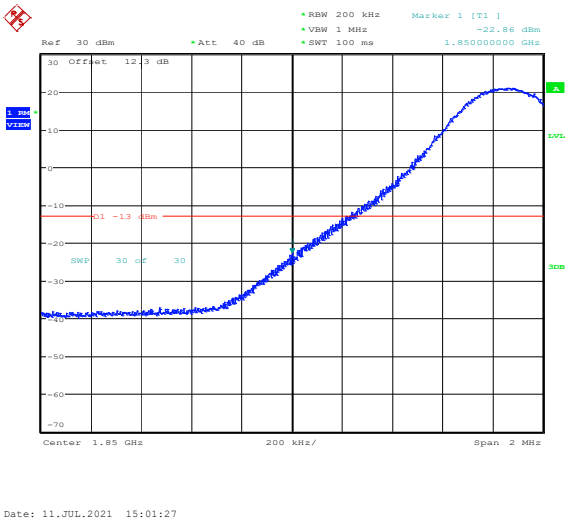


Band2-15MHz-QPSK-18675-1RB#0



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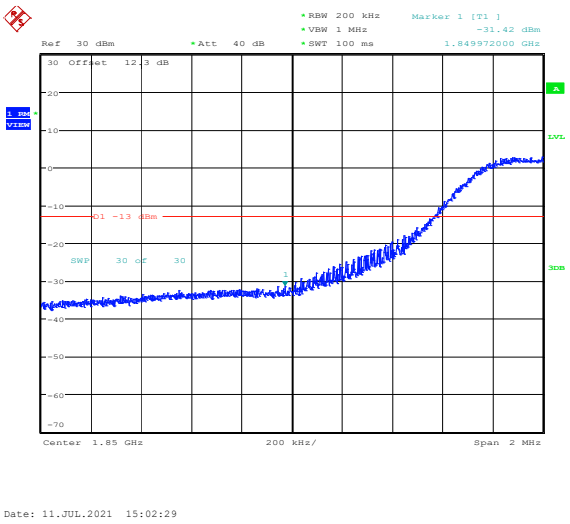
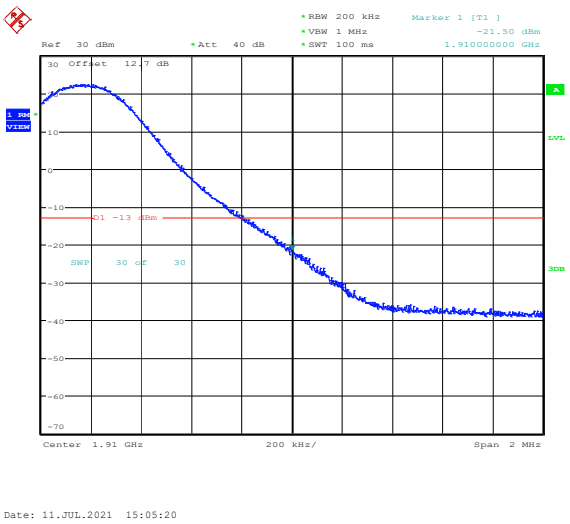
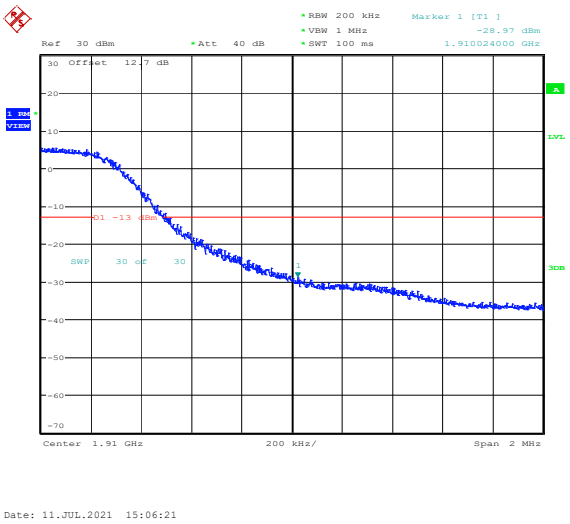


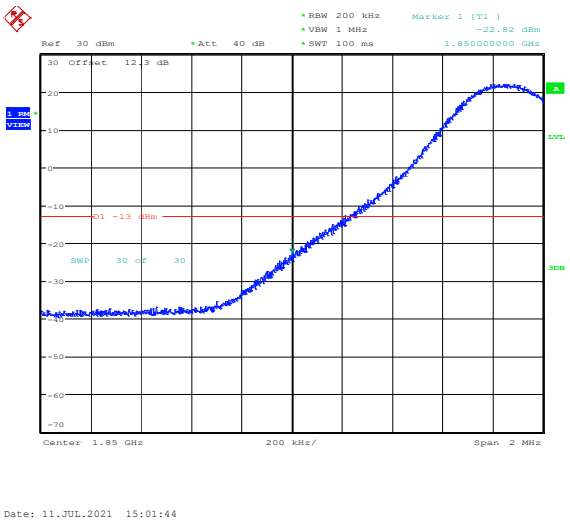
Band2-15MHz-QPSK-19125-1RB#74



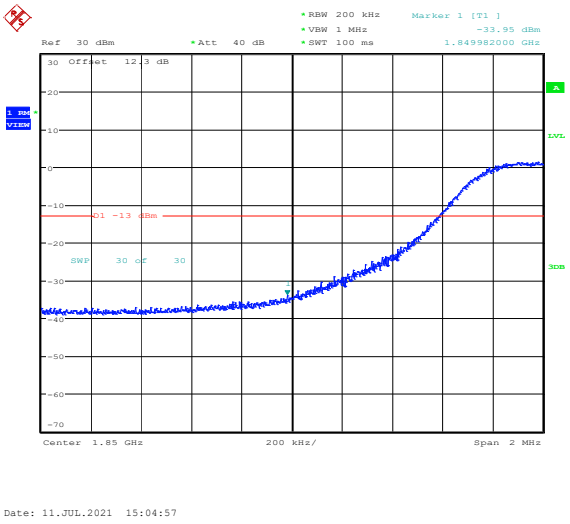
Band2-15MHz-QPSK-19125-75RB#0



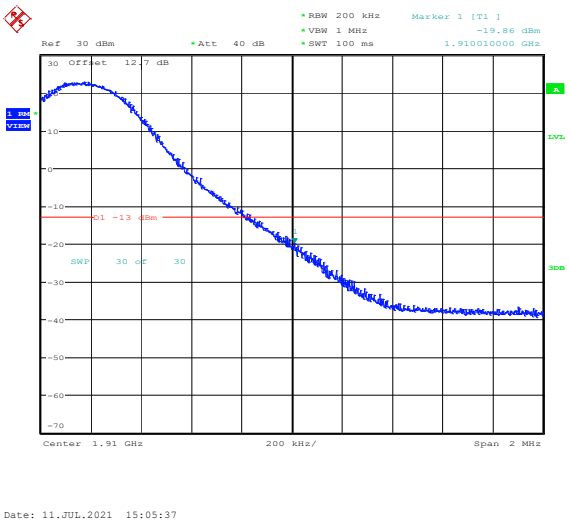
Band2-15MHz-16QAM-18675-1RB#0



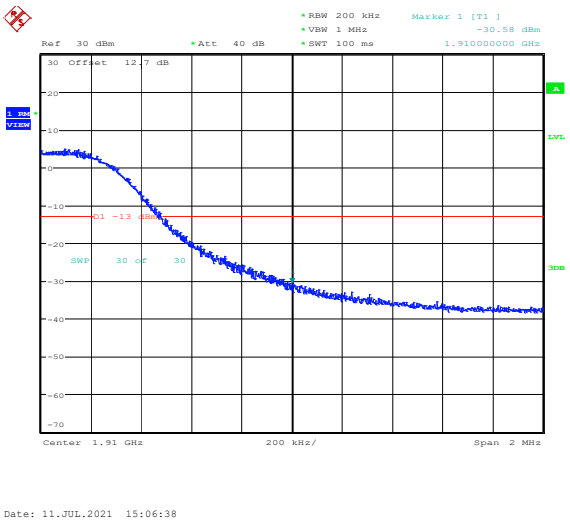
Band2-15MHz-16QAM-18675-75RB#0



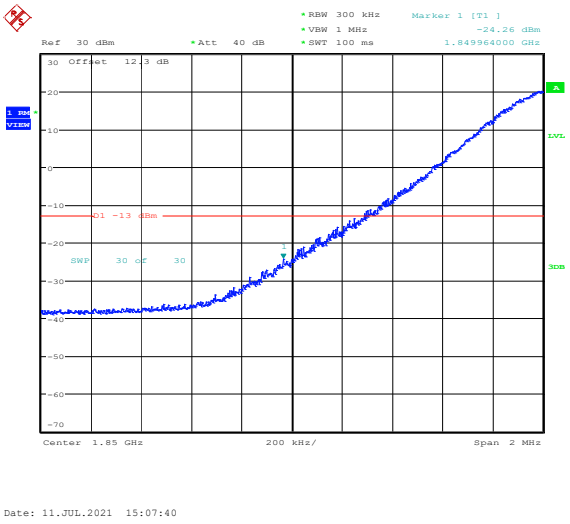
Band2-15MHz-16QAM-19125-1RB#74



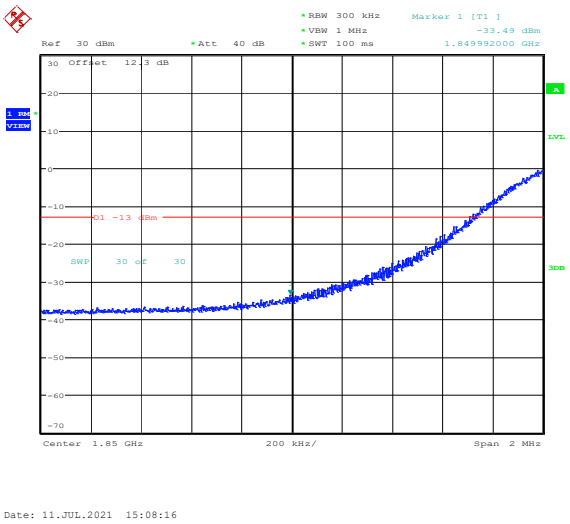
Band2-15MHz-16QAM-19125-75RB#0



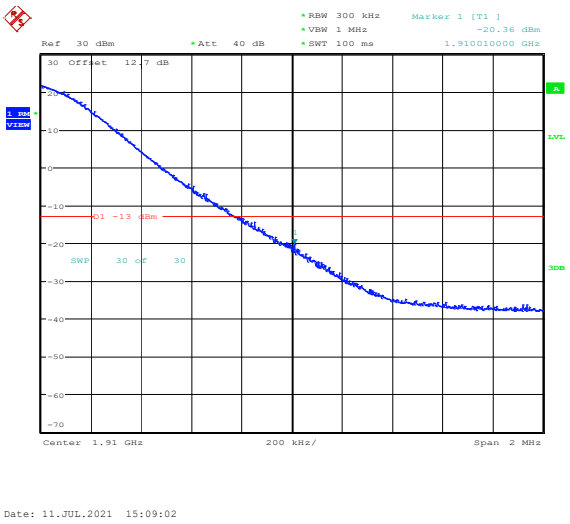
Band2-20MHz-QPSK-18700-1RB#0



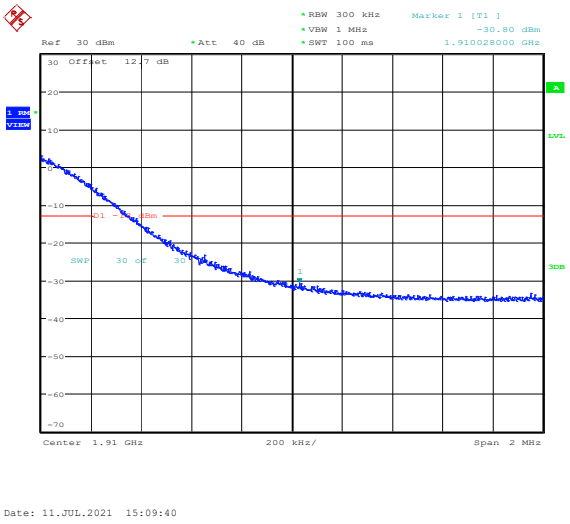
Band2-20MHz-QPSK-18700-100RB#0



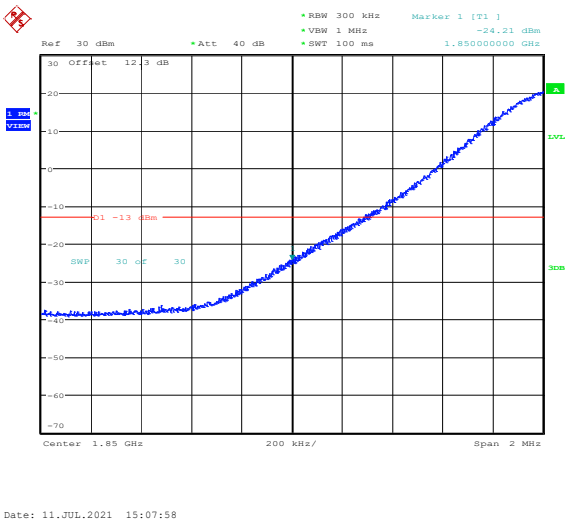
Band2-20MHz-QPSK-19100-1RB#99



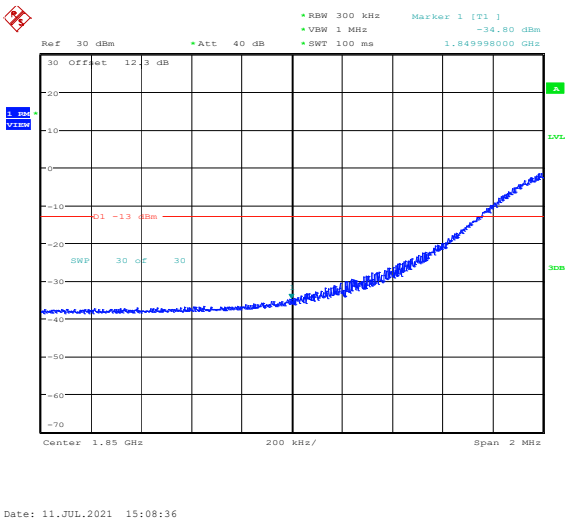
Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-1RB#0



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



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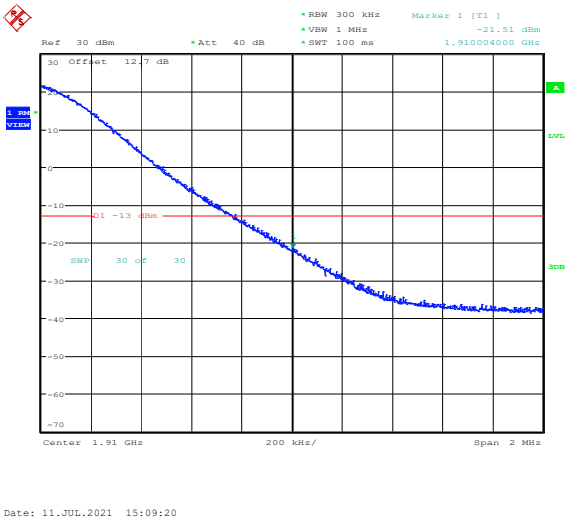
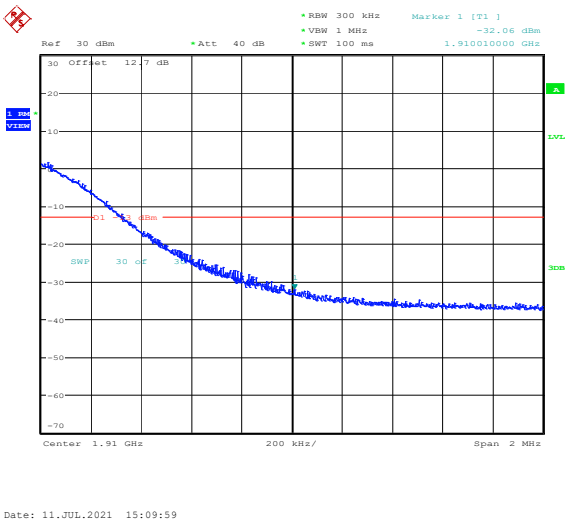


Band2-20MHz-16QAM-19100-100RB#0



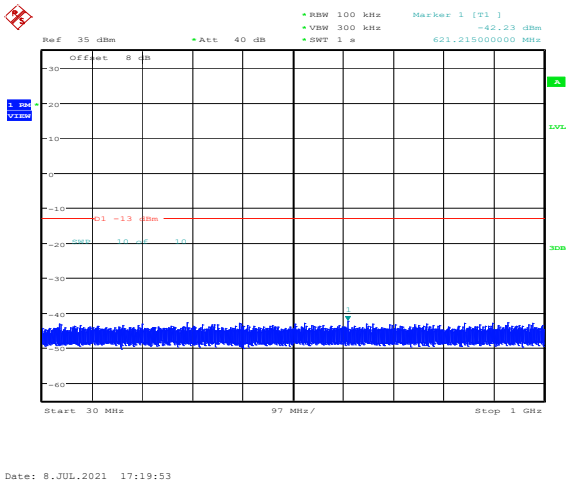
Appendix E: Conducted Spurious Emission

Test Result

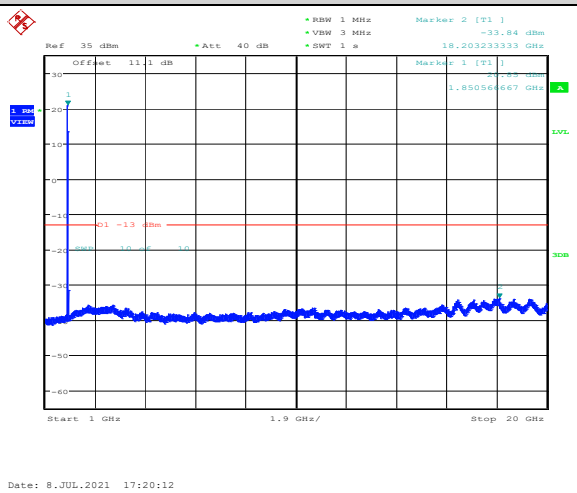
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-42.23	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-33.84	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-42.07	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-34.01	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-42.06	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-33.74	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-42.46	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-34.02	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-41.66	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-33.61	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-42.34	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-33.68	PASS

Test Graphs

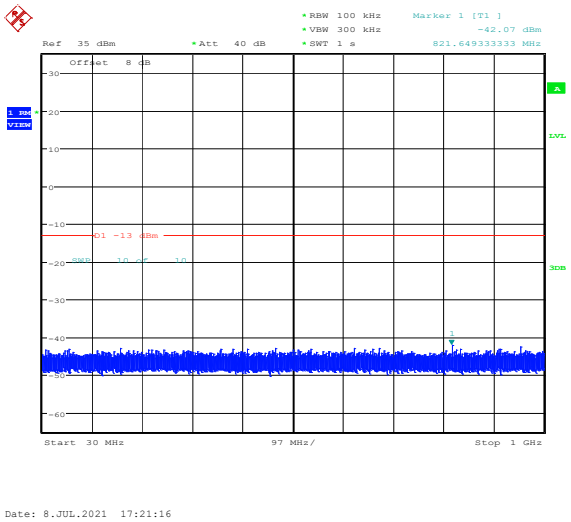
Band2-20MHz-QPSK-18700-1RB#0-Range1:30~1000MHz



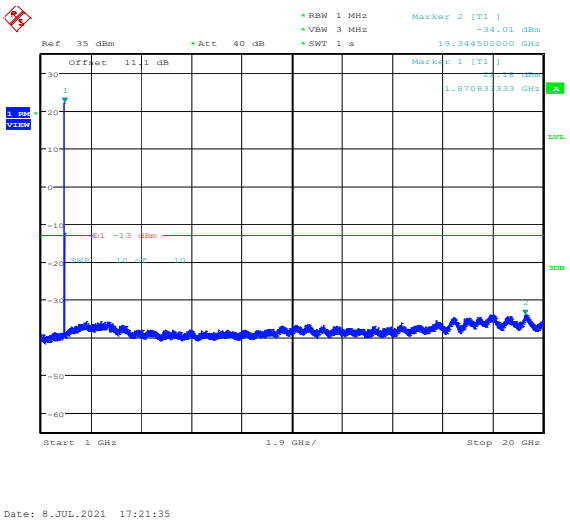
Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~20000MHz



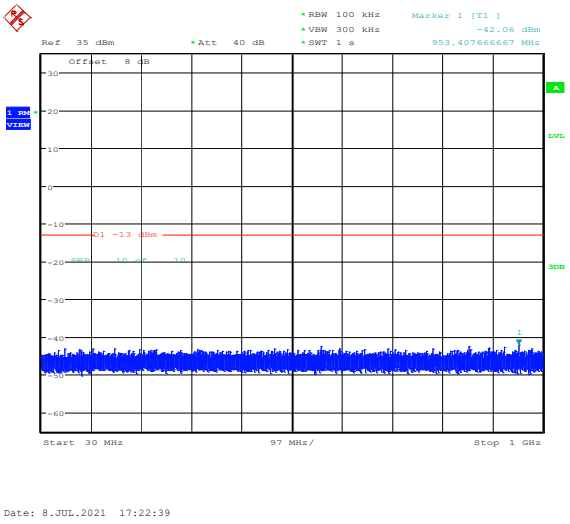
Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



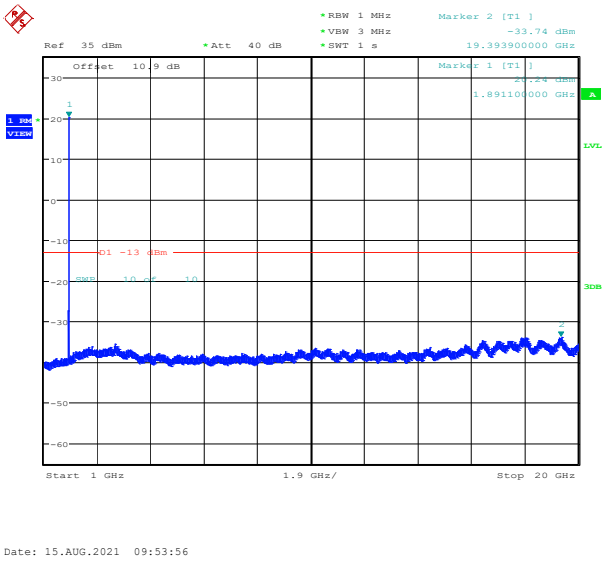
Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



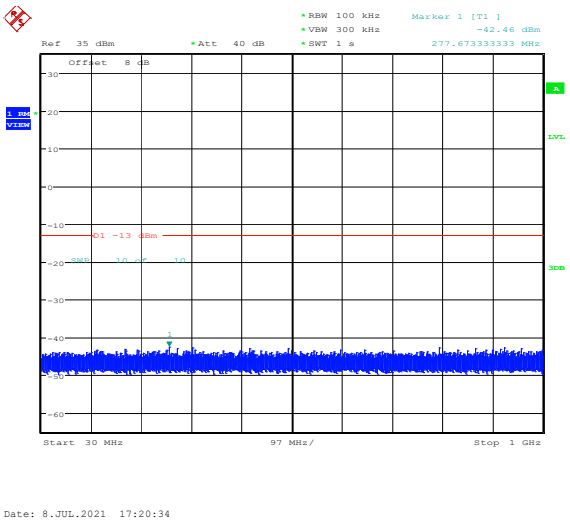
Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz



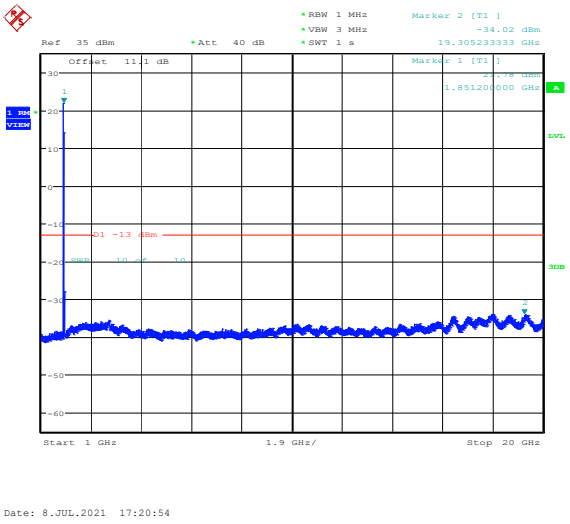
Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



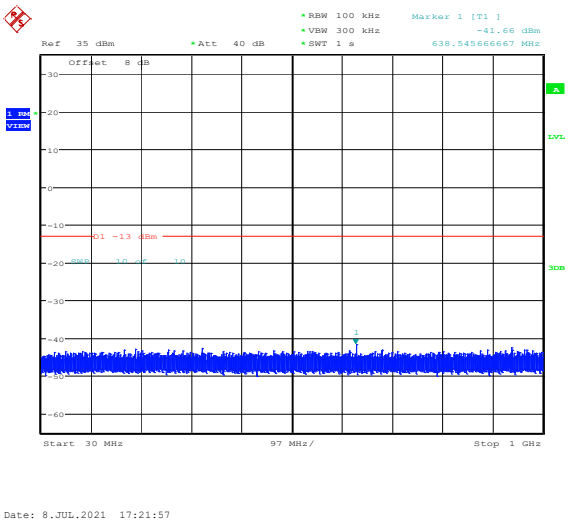
Band2-20MHz-16QAM-18700-1RB#0-Range1:30~1000MHz



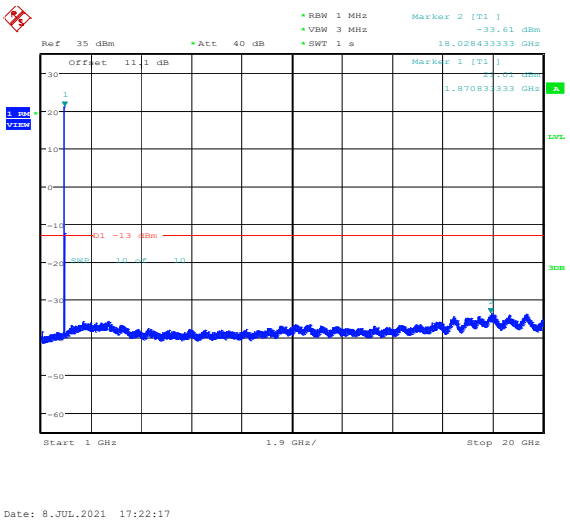
Band2-20MHz-16QAM-18700-1RB#0-Range2:1000~20000MHz



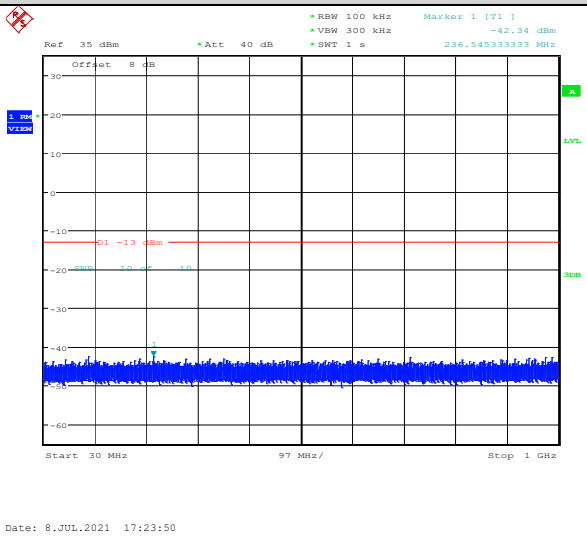
Band2-20MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



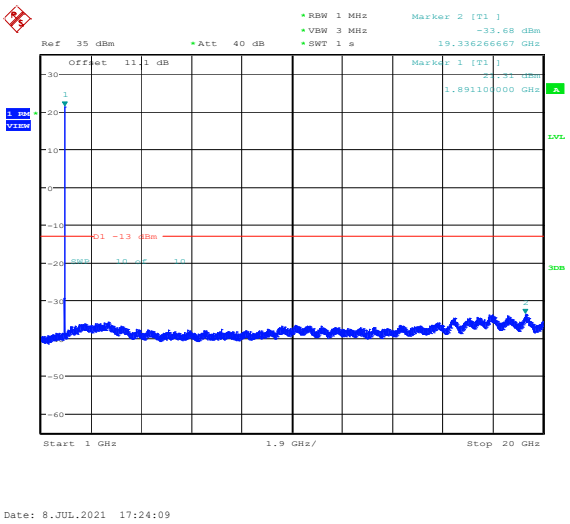
Band2-20MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range1:30~1000MHz



Band2-20MHz-16QAM-19100-1RB#0-Range2:1000~20000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	VL	NT	4.55	0.002446	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VN	NT	-5.35	-0.002876	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	VH	NT	-4.06	-0.002183	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-7.57	-0.004027	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-9.24	-0.004915	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-6.91	-0.003676	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VL	NT	-8.45	-0.004447	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VN	NT	-7.21	-0.003795	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	VH	NT	-7.77	-0.004089	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VL	NT	7.24	0.003892	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VN	NT	3.85	0.002070	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	VH	NT	3.69	0.001984	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VL	NT	-9.54	-0.005074	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VN	NT	-7.34	-0.003904	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	VH	NT	-14.16	-0.007532	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VL	NT	-6.59	-0.003468	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VN	NT	-8.51	-0.004479	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	VH	NT	-5.94	-0.003126	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	-5.18	-0.002785	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	3.69	0.001984	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-10	5.82	0.003129	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	6.09	0.003274	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	5.24	0.002817	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	2.86	0.001538	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	4.59	0.002468	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	4.91	0.002640	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	4.91	0.002640	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-8.93	-0.004750	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-7.18	-0.003819	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-7.51	-0.003995	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-7.60	-0.004043	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-8.73	-0.004644	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-8.80	-0.004681	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-6.87	-0.003654	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-8.45	-0.004495	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-7.84	-0.004170	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-6.75	-0.003553	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-5.95	-0.003132	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-10	-10.13	-0.005332	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-5.74	-0.003021	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-7.71	-0.004058	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	-6.32	-0.003326	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	-7.35	-0.003868	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	-9.24	-0.004863	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	50	-7.24	-0.003811	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-30	-4.39	-0.002360	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-20	5.98	0.003215	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	-10	4.61	0.002478	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	0	3.26	0.001753	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	10	-3.09	-0.001661	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	20	5.89	0.003167	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	30	3.92	0.002108	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	40	3.08	0.001656	±2.5	PASS
Band2	20MHz	16QAM	18700	100RB#0	NV	50	3.43	0.001844	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-30	-9.30	-0.004947	±2.5	PASS

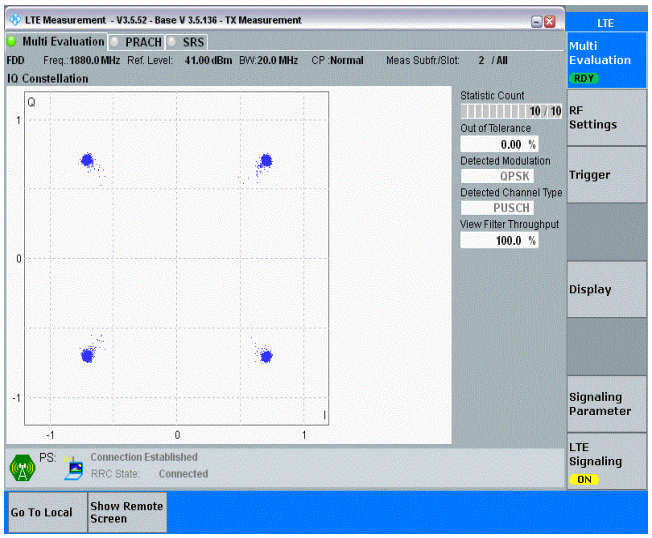
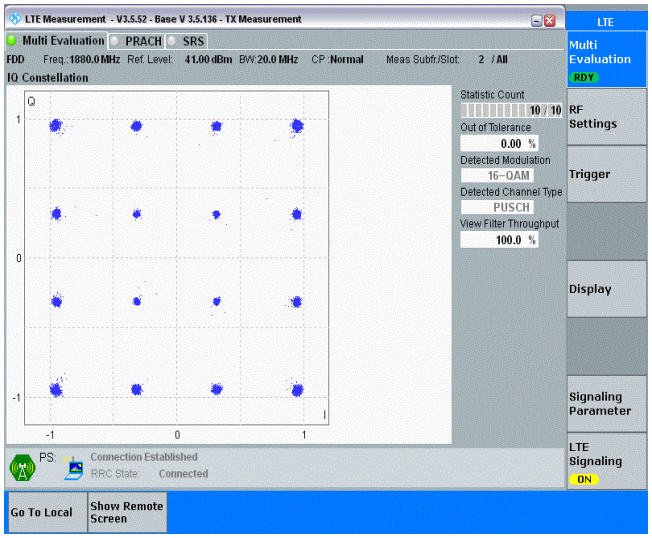
Band2	20MHz	16QAM	18900	100RB#0	NV	-20	-5.54	-0.002947	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	-10	-7.68	-0.004085	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	0	-7.10	-0.003777	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	10	-7.15	-0.003803	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	20	-6.87	-0.003654	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	30	-8.03	-0.004271	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	40	-7.18	-0.003819	±2.5	PASS
Band2	20MHz	16QAM	18900	100RB#0	NV	50	-8.25	-0.004388	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-30	-6.02	-0.003168	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-20	-8.53	-0.004489	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	-10	-9.73	-0.005121	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	0	-6.58	-0.003463	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	10	-7.38	-0.003884	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	20	-6.42	-0.003379	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	30	-7.64	-0.004021	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	40	-7.28	-0.003832	±2.5	PASS
Band2	20MHz	16QAM	19100	100RB#0	NV	50	-8.58	-0.004516	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band2	20MHz	QPSK	18900	100RB#0	PASS	PASS
Band2	20MHz	16QAM	18900	100RB#0	PASS	PASS

Test Graphs

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


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