Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power (dBm)	EIRP (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	23.26	21.91	PASS
Band4	1.4MHz	QPSK	19957	1RB#2	23.39	22.04	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	23.21	21.86	PASS
Band4	1.4MHz	QPSK	19957	3RB#0	23.25	21.9	PASS
Band4	1.4MHz	QPSK	19957	3RB#1	23.24	21.89	PASS
Band4	1.4MHz	QPSK	19957	3RB#3	23.24	21.89	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	22.26	20.91	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	23.13	21.78	PASS
Band4	1.4MHz	QPSK	20175	1RB#2	23.38	22.03	PASS
Band4	1.4MHz	QPSK	20175	1RB#5	23.22	21.87	PASS
Band4	1.4MHz	QPSK	20175	3RB#0	23.26	21.91	PASS
Band4	1.4MHz	QPSK	20175	3RB#1	23.27	21.92	PASS
Band4	1.4MHz	QPSK	20175	3RB#3	23.27	21.92	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	22.23	20.88	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	22.94	21.59	PASS
Band4	1.4MHz	QPSK	20393	1RB#2	23.12	21.77	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	22.68	21.33	PASS
Band4	1.4MHz	QPSK	20393	3RB#0	22.97	21.62	PASS
Band4	1.4MHz	QPSK	20393	3RB#1	22.90	21.55	PASS
Band4	1.4MHz	QPSK	20393	3RB#3	22.85	21.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	21.93	20.58	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	21.99	20.64	PASS
Band4	1.4MHz	16QAM	19957	1RB#2	22.08	20.73	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	22.15	20.8	PASS
Band4	1.4MHz	16QAM	19957	3RB#0	22.06	20.71	PASS
Band4	1.4MHz	16QAM	19957	3RB#1	22.39	21.04	PASS
Band4	1.4MHz	16QAM	19957	3RB#3	22.19	20.84	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	21.01	19.66	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	22.51	21.16	PASS
Band4	1.4MHz	16QAM	20175	1RB#2	22.41	21.06	PASS
Band4	1.4MHz	16QAM	20175	1RB#5	22.83	21.48	PASS

Band4	1.4MHz	16QAM	20175	3RB#0	22.03	20.68	PASS
Band4	1.4MHz	16QAM	20175	3RB#1	22.03	20.68	PASS
Band4	1.4MHz	16QAM	20175	3RB#3	21.99	20.64	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	21.30	19.95	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	21.95	20.6	PASS
Band4	1.4MHz	16QAM	20393	1RB#2	22.26	20.91	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	21.70	20.35	PASS
Band4	1.4MHz	16QAM	20393	3RB#0	21.69	20.34	PASS
Band4	1.4MHz	16QAM	20393	3RB#1	21.72	20.37	PASS
Band4	1.4MHz	16QAM	20393	3RB#3	21.65	20.3	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	21.13	19.78	PASS
Band4	3MHz	QPSK	19965	1RB#0	23.21	21.86	PASS
Band4	3MHz	QPSK	19965	1RB#8	23.35	22	PASS
Band4	3MHz	QPSK	19965	1RB#14	23.36	22.01	PASS
Band4	3MHz	QPSK	19965	8RB#0	22.32	20.97	PASS
Band4	3MHz	QPSK	19965	8RB#4	22.36	21.01	PASS
Band4	3MHz	QPSK	19965	8RB#7	22.38	21.03	PASS
Band4	3MHz	QPSK	19965	15RB#0	22.37	21.02	PASS
Band4	3MHz	QPSK	20175	1RB#0	23.03	21.68	PASS
Band4	3MHz	QPSK	20175	1RB#8	23.07	21.72	PASS
Band4	3MHz	QPSK	20175	1RB#14	23.44	22.09	PASS
Band4	3MHz	QPSK	20175	8RB#0	22.24	20.89	PASS
Band4	3MHz	QPSK	20175	8RB#4	22.24	20.89	PASS
Band4	3MHz	QPSK	20175	8RB#7	22.23	20.88	PASS
Band4	3MHz	QPSK	20175	15RB#0	22.19	20.84	PASS
Band4	3MHz	QPSK	20385	1RB#0	23.26	21.91	PASS
Band4	3MHz	QPSK	20385	1RB#8	22.93	21.58	PASS
Band4	3MHz	QPSK	20385	1RB#14	23.14	21.79	PASS
Band4	3MHz	QPSK	20385	8RB#0	21.94	20.59	PASS
Band4	3MHz	QPSK	20385	8RB#4	21.90	20.55	PASS
Band4	3MHz	QPSK	20385	8RB#7	21.93	20.58	PASS
Band4	3MHz	QPSK	20385	15RB#0	21.96	20.61	PASS
Band4	3MHz	16QAM	19965	1RB#0	22.29	20.94	PASS
Band4	3MHz	16QAM	19965	1RB#8	22.68	21.33	PASS
Band4	3MHz	16QAM	19965	1RB#14	22.56	21.21	PASS
Band4	3MHz	16QAM	19965	8RB#0	21.37	20.02	PASS
Band4	3MHz	16QAM	19965	8RB#4	21.22	19.87	PASS

Band4	3MHz	16QAM	19965	8RB#7	21.18	19.83	PASS
Band4	3MHz	16QAM	19965	15RB#0	21.05	19.7	PASS
Band4	3MHz	16QAM	20175	1RB#0	22.10	20.75	PASS
Band4	3MHz	16QAM	20175	1RB#8	21.80	20.45	PASS
Band4	3MHz	16QAM	20175	1RB#14	22.14	20.79	PASS
Band4	3MHz	16QAM	20175	8RB#0	21.05	19.7	PASS
Band4	3MHz	16QAM	20175	8RB#4	21.03	19.68	PASS
Band4	3MHz	16QAM	20175	8RB#7	21.29	19.94	PASS
Band4	3MHz	16QAM	20175	15RB#0	21.08	19.73	PASS
Band4	3MHz	16QAM	20385	1RB#0	22.12	20.77	PASS
Band4	3MHz	16QAM	20385	1RB#8	22.54	21.19	PASS
Band4	3MHz	16QAM	20385	1RB#14	21.82	20.47	PASS
Band4	3MHz	16QAM	20385	8RB#0	20.88	19.53	PASS
Band4	3MHz	16QAM	20385	8RB#4	20.71	19.36	PASS
Band4	3MHz	16QAM	20385	8RB#7	20.93	19.58	PASS
Band4	3MHz	16QAM	20385	15RB#0	20.69	19.34	PASS
Band4	5MHz	QPSK	19975	1RB#0	23.24	21.89	PASS
Band4	5MHz	QPSK	19975	1RB#12	23.26	21.91	PASS
Band4	5MHz	QPSK	19975	1RB#24	23.17	21.82	PASS
Band4	5MHz	QPSK	19975	12RB#0	22.32	20.97	PASS
Band4	5MHz	QPSK	19975	12RB#6	22.31	20.96	PASS
Band4	5MHz	QPSK	19975	12RB#13	22.32	20.97	PASS
Band4	5MHz	QPSK	19975	25RB#0	22.33	20.98	PASS
Band4	5MHz	QPSK	20175	1RB#0	23.34	21.99	PASS
Band4	5MHz	QPSK	20175	1RB#12	23.17	21.82	PASS
Band4	5MHz	QPSK	20175	1RB#24	23.12	21.77	PASS
Band4	5MHz	QPSK	20175	12RB#0	22.08	20.73	PASS
Band4	5MHz	QPSK	20175	12RB#6	22.17	20.82	PASS
Band4	5MHz	QPSK	20175	12RB#13	22.12	20.77	PASS
Band4	5MHz	QPSK	20175	25RB#0	22.17	20.82	PASS
Band4	5MHz	QPSK	20375	1RB#0	22.99	21.64	PASS
Band4	5MHz	QPSK	20375	1RB#12	23.06	21.71	PASS
Band4	5MHz	QPSK	20375	1RB#24	23.11	21.76	PASS
Band4	5MHz	QPSK	20375	12RB#0	21.96	20.61	PASS
Band4	5MHz	QPSK	20375	12RB#6	21.93	20.58	PASS
Band4	5MHz	QPSK	20375	12RB#13	22.00	20.65	PASS
Band4	5MHz	QPSK	20375	25RB#0	21.94	20.59	PASS

Band4	5MHz	16QAM	19975	1RB#0	22.09	20.74	PASS
Band4	5MHz	16QAM	19975	1RB#12	22.13	20.78	PASS
Band4	5MHz	16QAM	19975	1RB#24	21.86	20.51	PASS
Band4	5MHz	16QAM	19975	12RB#0	21.14	19.79	PASS
Band4	5MHz	16QAM	19975	12RB#6	21.22	19.87	PASS
Band4	5MHz	16QAM	19975	12RB#13	21.28	19.93	PASS
Band4	5MHz	16QAM	19975	25RB#0	21.15	19.8	PASS
Band4	5MHz	16QAM	20175	1RB#0	22.14	20.79	PASS
Band4	5MHz	16QAM	20175	1RB#12	21.98	20.63	PASS
Band4	5MHz	16QAM	20175	1RB#24	22.25	20.9	PASS
Band4	5MHz	16QAM	20175	12RB#0	21.21	19.86	PASS
Band4	5MHz	16QAM	20175	12RB#6	21.01	19.66	PASS
Band4	5MHz	16QAM	20175	12RB#13	21.22	19.87	PASS
Band4	5MHz	16QAM	20175	25RB#0	21.08	19.73	PASS
Band4	5MHz	16QAM	20375	1RB#0	22.07	20.72	PASS
Band4	5MHz	16QAM	20375	1RB#12	22.24	20.89	PASS
Band4	5MHz	16QAM	20375	1RB#24	22.17	20.82	PASS
Band4	5MHz	16QAM	20375	12RB#0	20.80	19.45	PASS
Band4	5MHz	16QAM	20375	12RB#6	20.92	19.57	PASS
Band4	5MHz	16QAM	20375	12RB#13	20.89	19.54	PASS
Band4	5MHz	16QAM	20375	25RB#0	20.97	19.62	PASS
Band4	10MHz	QPSK	20000	1RB#0	23.17	21.82	PASS
Band4	10MHz	QPSK	20000	1RB#24	23.35	22	PASS
Band4	10MHz	QPSK	20000	1RB#49	23.23	21.88	PASS
Band4	10MHz	QPSK	20000	25RB#0	22.31	20.96	PASS
Band4	10MHz	QPSK	20000	25RB#12	22.36	21.01	PASS
Band4	10MHz	QPSK	20000	25RB#25	22.25	20.9	PASS
Band4	10MHz	QPSK	20000	50RB#0	22.27	20.92	PASS
Band4	10MHz	QPSK	20175	1RB#0	23.04	21.69	PASS
Band4	10MHz	QPSK	20175	1RB#24	23.29	21.94	PASS
Band4	10MHz	QPSK	20175	1RB#49	23.20	21.85	PASS
Band4	10MHz	QPSK	20175	25RB#0	22.19	20.84	PASS
Band4	10MHz	QPSK	20175	25RB#12	22.09	20.74	PASS
Band4	10MHz	QPSK	20175	25RB#25	22.18	20.83	PASS
Band4	10MHz	QPSK	20175	50RB#0	22.16	20.81	PASS
Band4	10MHz	QPSK	20350	1RB#0	22.86	21.51	PASS
Band4	10MHz	QPSK	20350	1RB#24	23.17	21.82	PASS

Band4	10MHz	QPSK	20350	1RB#49	23.04	21.69	PASS
Band4	10MHz	QPSK	20350	25RB#0	22.04	20.69	PASS
Band4	10MHz	QPSK	20350	25RB#12	22.14	20.79	PASS
Band4	10MHz	QPSK	20350	25RB#25	22.05	20.7	PASS
Band4	10MHz	QPSK	20350	50RB#0	22.16	20.81	PASS
Band4	10MHz	16QAM	20000	1RB#0	22.28	20.93	PASS
Band4	10MHz	16QAM	20000	1RB#24	22.25	20.9	PASS
Band4	10MHz	16QAM	20000	1RB#49	22.03	20.68	PASS
Band4	10MHz	16QAM	20000	25RB#0	21.17	19.82	PASS
Band4	10MHz	16QAM	20000	25RB#12	21.27	19.92	PASS
Band4	10MHz	16QAM	20000	25RB#25	21.21	19.86	PASS
Band4	10MHz	16QAM	20000	50RB#0	21.28	19.93	PASS
Band4	10MHz	16QAM	20175	1RB#0	22.60	21.25	PASS
Band4	10MHz	16QAM	20175	1RB#24	22.89	21.54	PASS
Band4	10MHz	16QAM	20175	1RB#49	22.91	21.56	PASS
Band4	10MHz	16QAM	20175	25RB#0	21.21	19.86	PASS
Band4	10MHz	16QAM	20175	25RB#12	21.22	19.87	PASS
Band4	10MHz	16QAM	20175	25RB#25	21.31	19.96	PASS
Band4	10MHz	16QAM	20175	50RB#0	21.14	19.79	PASS
Band4	10MHz	16QAM	20350	1RB#0	22.04	20.69	PASS
Band4	10MHz	16QAM	20350	1RB#24	22.42	21.07	PASS
Band4	10MHz	16QAM	20350	1RB#49	22.05	20.7	PASS
Band4	10MHz	16QAM	20350	25RB#0	21.08	19.73	PASS
Band4	10MHz	16QAM	20350	25RB#12	20.96	19.61	PASS
Band4	10MHz	16QAM	20350	25RB#25	21.00	19.65	PASS
Band4	10MHz	16QAM	20350	50RB#0	20.99	19.64	PASS
Band4	15MHz	QPSK	20025	1RB#0	23.06	21.71	PASS
Band4	15MHz	QPSK	20025	1RB#38	22.97	21.62	PASS
Band4	15MHz	QPSK	20025	1RB#74	23.00	21.65	PASS
Band4	15MHz	QPSK	20025	38RB#0	23.01	21.66	PASS
Band4	15MHz	QPSK	20025	38RB#18	22.28	20.93	PASS
Band4	15MHz	QPSK	20025	38RB#37	22.20	20.85	PASS
Band4	15MHz	QPSK	20025	75RB#0	22.32	20.97	PASS
Band4	15MHz	QPSK	20175	1RB#0	22.92	21.57	PASS
Band4	15MHz	QPSK	20175	1RB#38	23.11	21.76	PASS
Band4	15MHz	QPSK	20175	1RB#74	23.09	21.74	PASS
Band4	15MHz	QPSK	20175	38RB#0	21.77	20.42	PASS

Band4	15MHz	QPSK	20175	38RB#18	21.78	20.43	PASS
Band4	15MHz	QPSK	20175	38RB#37	22.12	20.77	PASS
Band4	15MHz	QPSK	20175	75RB#0	22.04	20.69	PASS
Band4	15MHz	QPSK	20325	1RB#0	23.16	21.81	PASS
Band4	15MHz	QPSK	20325	1RB#38	22.77	21.42	PASS
Band4	15MHz	QPSK	20325	1RB#74	22.68	21.33	PASS
Band4	15MHz	QPSK	20325	38RB#0	22.13	20.78	PASS
Band4	15MHz	QPSK	20325	38RB#18	22.12	20.77	PASS
Band4	15MHz	QPSK	20325	38RB#37	22.02	20.67	PASS
Band4	15MHz	QPSK	20325	75RB#0	21.93	20.58	PASS
Band4	15MHz	16QAM	20025	1RB#0	22.17	20.82	PASS
Band4	15MHz	16QAM	20025	1RB#38	22.07	20.72	PASS
Band4	15MHz	16QAM	20025	1RB#74	22.92	21.57	PASS
Band4	15MHz	16QAM	20025	38RB#0	22.30	20.95	PASS
Band4	15MHz	16QAM	20025	38RB#18	22.26	20.91	PASS
Band4	15MHz	16QAM	20025	38RB#37	22.23	20.88	PASS
Band4	15MHz	16QAM	20025	75RB#0	22.17	20.82	PASS
Band4	15MHz	16QAM	20175	1RB#0	21.96	20.61	PASS
Band4	15MHz	16QAM	20175	1RB#38	21.64	20.29	PASS
Band4	15MHz	16QAM	20175	1RB#74	22.02	20.67	PASS
Band4	15MHz	16QAM	20175	38RB#0	21.87	20.52	PASS
Band4	15MHz	16QAM	20175	38RB#18	21.65	20.3	PASS
Band4	15MHz	16QAM	20175	38RB#37	22.14	20.79	PASS
Band4	15MHz	16QAM	20175	75RB#0	22.01	20.66	PASS
Band4	15MHz	16QAM	20325	1RB#0	21.74	20.39	PASS
Band4	15MHz	16QAM	20325	1RB#38	22.54	21.19	PASS
Band4	15MHz	16QAM	20325	1RB#74	21.81	20.46	PASS
Band4	15MHz	16QAM	20325	38RB#0	22.12	20.77	PASS
Band4	15MHz	16QAM	20325	38RB#18	22.09	20.74	PASS
Band4	15MHz	16QAM	20325	38RB#37	22.03	20.68	PASS
Band4	15MHz	16QAM	20325	75RB#0	20.92	19.57	PASS
Band4	20MHz	QPSK	20050	1RB#0	23.07	21.72	PASS
Band4	20MHz	QPSK	20050	1RB#49	23.69	22.34	PASS
Band4	20MHz	QPSK	20050	1RB#99	23.05	21.7	PASS
Band4	20MHz	QPSK	20050	50RB#0	22.07	20.72	PASS
Band4	20MHz	QPSK	20050	50RB#25	22.17	20.82	PASS
Band4	20MHz	QPSK	20050	50RB#50	22.12	20.77	PASS

Band4	20MHz	QPSK	20050	100RB#0	22.21	20.86	PASS
Band4	20MHz	QPSK	20175	1RB#0	23.20	21.85	PASS
Band4	20MHz	QPSK	20175	1RB#49	23.07	21.72	PASS
Band4	20MHz	QPSK	20175	1RB#99	23.16	21.81	PASS
Band4	20MHz	QPSK	20175	50RB#0	22.05	20.7	PASS
Band4	20MHz	QPSK	20175	50RB#25	21.96	20.61	PASS
Band4	20MHz	QPSK	20175	50RB#50	22.03	20.68	PASS
Band4	20MHz	QPSK	20175	100RB#0	21.95	20.6	PASS
Band4	20MHz	QPSK	20300	1RB#0	23.09	21.74	PASS
Band4	20MHz	QPSK	20300	1RB#49	23.16	21.81	PASS
Band4	20MHz	QPSK	20300	1RB#99	22.98	21.63	PASS
Band4	20MHz	QPSK	20300	50RB#0	22.18	20.83	PASS
Band4	20MHz	QPSK	20300	50RB#25	22.13	20.78	PASS
Band4	20MHz	QPSK	20300	50RB#50	21.86	20.51	PASS
Band4	20MHz	QPSK	20300	100RB#0	22.04	20.69	PASS
Band4	20MHz	16QAM	20050	1RB#0	22.16	20.81	PASS
Band4	20MHz	16QAM	20050	1RB#49	22.69	21.34	PASS
Band4	20MHz	16QAM	20050	1RB#99	21.83	20.48	PASS
Band4	20MHz	16QAM	20050	50RB#0	21.13	19.78	PASS
Band4	20MHz	16QAM	20050	50RB#25	21.06	19.71	PASS
Band4	20MHz	16QAM	20050	50RB#50	21.19	19.84	PASS
Band4	20MHz	16QAM	20050	100RB#0	20.97	19.62	PASS
Band4	20MHz	16QAM	20175	1RB#0	22.11	20.76	PASS
Band4	20MHz	16QAM	20175	1RB#49	22.27	20.92	PASS
Band4	20MHz	16QAM	20175	1RB#99	22.39	21.04	PASS
Band4	20MHz	16QAM	20175	50RB#0	21.00	19.65	PASS
Band4	20MHz	16QAM	20175	50RB#25	21.00	19.65	PASS
Band4	20MHz	16QAM	20175	50RB#50	21.00	19.65	PASS
Band4	20MHz	16QAM	20175	100RB#0	20.98	19.63	PASS
Band4	20MHz	16QAM	20300	1RB#0	22.15	20.8	PASS
Band4	20MHz	16QAM	20300	1RB#49	21.72	20.37	PASS
Band4	20MHz	16QAM	20300	1RB#99	22.76	21.41	PASS
Band4	20MHz	16QAM	20300	50RB#0	22.13	20.78	PASS
Band4	20MHz	16QAM	20300	50RB#25	21.05	19.7	PASS
Band4	20MHz	16QAM	20300	50RB#50	20.90	19.55	PASS
Band4	20MHz	16QAM	20300	100RB#0	21.06	19.71	PASS

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

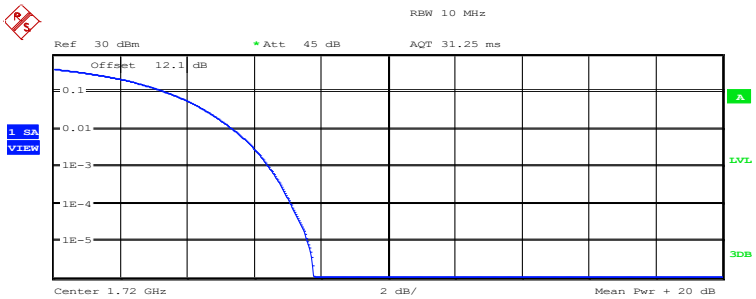
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	6.41	13	PASS
Band4	20MHz	QPSK	20175	100RB#0	6.35	13	PASS
Band4	20MHz	QPSK	20300	100RB#0	6.44	13	PASS
Band4	20MHz	16QAM	20050	100RB#0	7.18	13	PASS
Band4	20MHz	16QAM	20175	100RB#0	7.15	13	PASS
Band4	20MHz	16QAM	20300	100RB#0	7.18	13	PASS

Test Graphs

Band4-20MHz-QPSK-20050-100RB#0

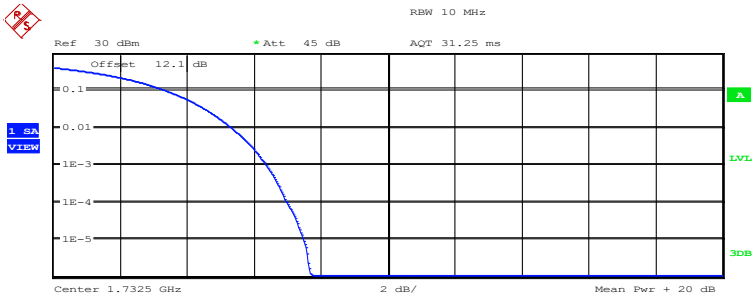


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	19.11 dBm
Peak	26.95 dBm
Crest	7.84 dB
10 %	3.33 dB
1 %	5.35 dB
.1 %	6.41 dB
.01 %	7.08 dB

Date: 9.JUL.2021 02:54:08

Band4-20MHz-QPSK-20175-100RB#0

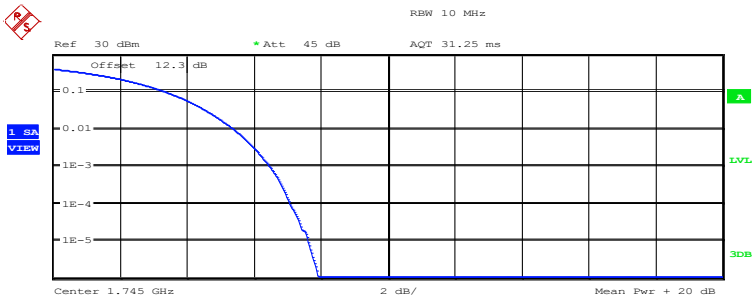


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	19.05 dBm
Peak	26.81 dBm
Crest	7.76 dB
10 %	3.37 dB
1 %	5.29 dB
.1 %	6.35 dB
.01 %	6.99 dB

Date: 9.JUL.2021 02:54:31

Band4-20MHz-QPSK-20300-100RB#0

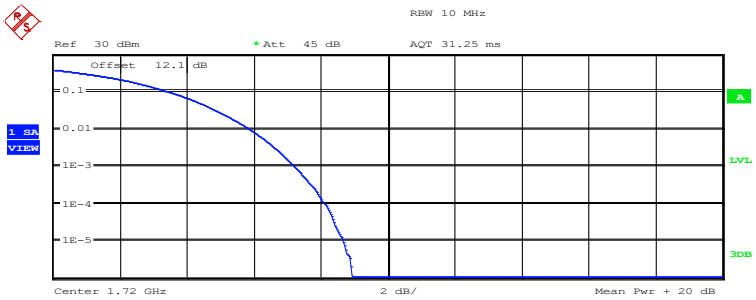


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	19.33 dBm
Peak	27.37 dBm
Crest	8.05 dB
10 %	3.33 dB
1 %	5.35 dB
.1 %	6.44 dB
.01 %	7.08 dB

Date: 9.JUL.2021 02:54:54

Band4-20MHz-16QAM-20050-100RB#0

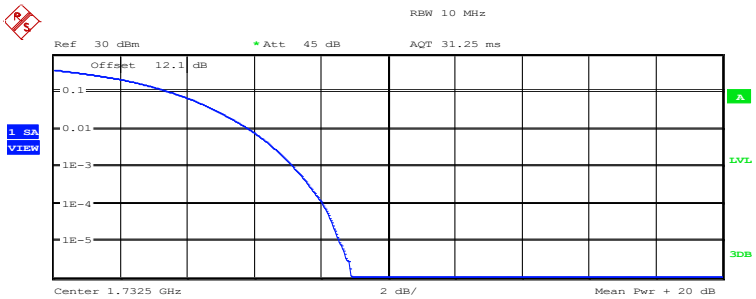


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	18.03 dBm
Peak	27.09 dBm
Crest	9.06 dB
10 %	3.46 dB
1 %	5.83 dB
.1 %	7.18 dB
.01 %	8.11 dB

Date: 9.JUL.2021 02:54:20

Band4-20MHz-16QAM-20175-100RB#0

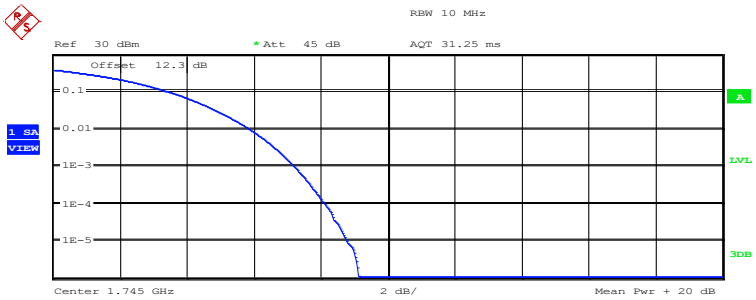


Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	18.06 dBm
Peak	27.16 dBm
Crest	9.10 dB
10 %	3.49 dB
1 %	5.83 dB
.1 %	7.15 dB
.01 %	8.04 dB

Date: 9.JUL.2021 02:54:42

Band4-20MHz-16QAM-20300-100RB#0



Complementary Cumulative Distribution Function (1000000 samples)

	Trace 1
Mean	18.29 dBm
Peak	27.44 dBm
Crest	9.15 dB
10 %	3.46 dB
1 %	5.83 dB
.1 %	7.18 dB
.01 %	8.11 dB

Date: 9.JUL.2021 02:55:05

Appendix C: 26dB Bandwidth and Occupied Bandwidth

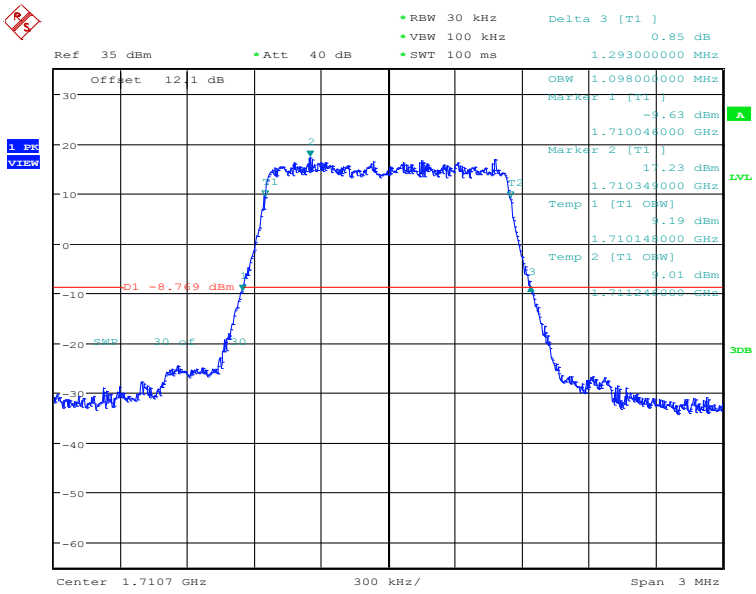
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	1.098	1.293	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1.101	1.302	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1.101	1.302	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1.098	1.302	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1.092	1.284	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1.104	1.323	PASS
Band4	3MHz	QPSK	19965	15RB#0	2.7	2.982	PASS
Band4	3MHz	QPSK	20175	15RB#0	2.706	2.976	PASS
Band4	3MHz	QPSK	20385	15RB#0	2.706	2.982	PASS
Band4	3MHz	16QAM	19965	15RB#0	2.688	2.934	PASS
Band4	3MHz	16QAM	20175	15RB#0	2.694	2.976	PASS
Band4	3MHz	16QAM	20385	15RB#0	2.676	2.970	PASS
Band4	5MHz	QPSK	19975	25RB#0	4.48	4.960	PASS
Band4	5MHz	QPSK	20175	25RB#0	4.48	4.920	PASS
Band4	5MHz	QPSK	20375	25RB#0	4.48	4.940	PASS
Band4	5MHz	16QAM	19975	25RB#0	4.48	4.880	PASS
Band4	5MHz	16QAM	20175	25RB#0	4.48	4.970	PASS
Band4	5MHz	16QAM	20375	25RB#0	4.49	4.960	PASS
Band4	10MHz	QPSK	20000	50RB#0	8.92	9.740	PASS
Band4	10MHz	QPSK	20175	50RB#0	8.94	9.780	PASS
Band4	10MHz	QPSK	20350	50RB#0	8.94	9.640	PASS
Band4	10MHz	16QAM	20000	50RB#0	8.94	9.620	PASS
Band4	10MHz	16QAM	20175	50RB#0	8.94	9.660	PASS
Band4	10MHz	16QAM	20350	50RB#0	8.94	9.680	PASS
Band4	15MHz	QPSK	20025	75RB#0	13.5	14.880	PASS
Band4	15MHz	QPSK	20175	75RB#0	13.47	14.910	PASS
Band4	15MHz	QPSK	20325	75RB#0	13.5	15.000	PASS
Band4	15MHz	16QAM	20025	75RB#0	13.47	14.820	PASS
Band4	15MHz	16QAM	20175	75RB#0	13.47	14.640	PASS
Band4	15MHz	16QAM	20325	75RB#0	13.41	14.790	PASS
Band4	20MHz	QPSK	20050	100RB#0	17.88	19.360	PASS
Band4	20MHz	QPSK	20175	100RB#0	17.92	19.480	PASS
Band4	20MHz	QPSK	20300	100RB#0	17.92	19.400	PASS
Band4	20MHz	16QAM	20050	100RB#0	17.88	19.440	PASS
Band4	20MHz	16QAM	20175	100RB#0	17.92	19.200	PASS

Band4	20MHz	16QAM	20300	100RB#0	17.88	19.440	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-6RB#0



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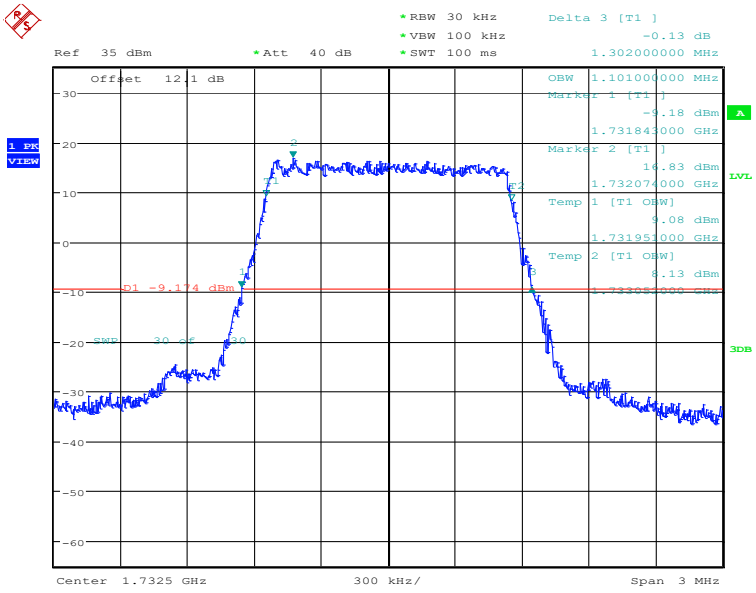
Band4-1.4MHz-QPSK-20175-6RB#0



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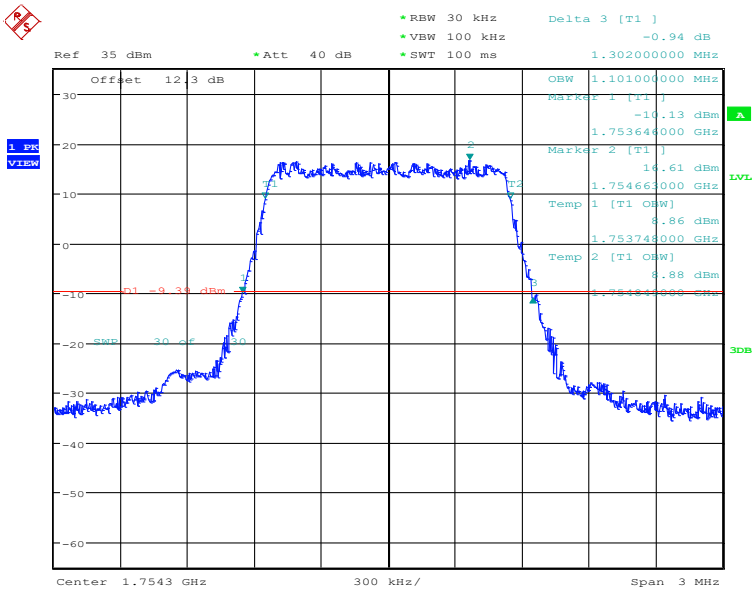
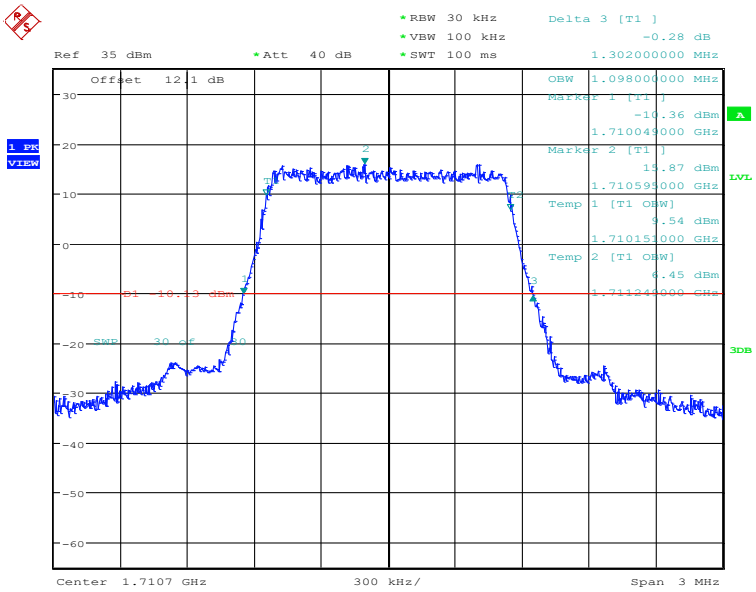


Date: 9.JUL.2021 01:29:55

Band4-1.4MHz-16QAM-19957-6RB#0



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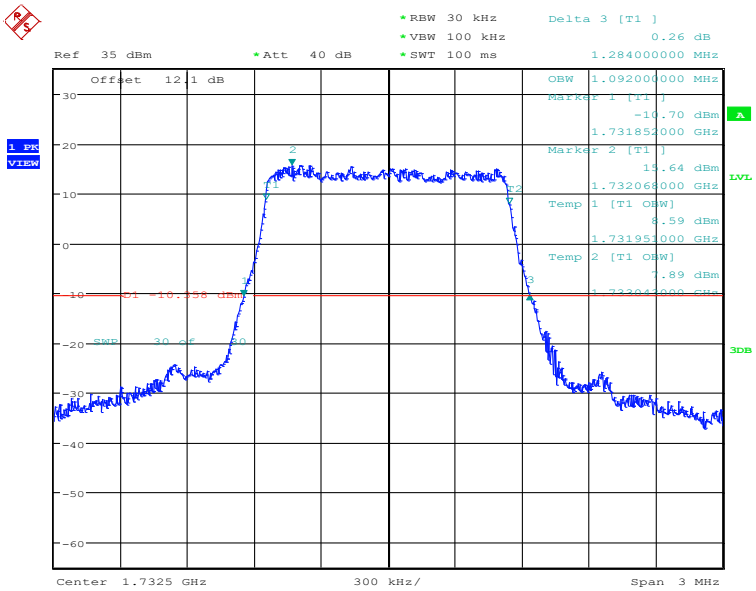

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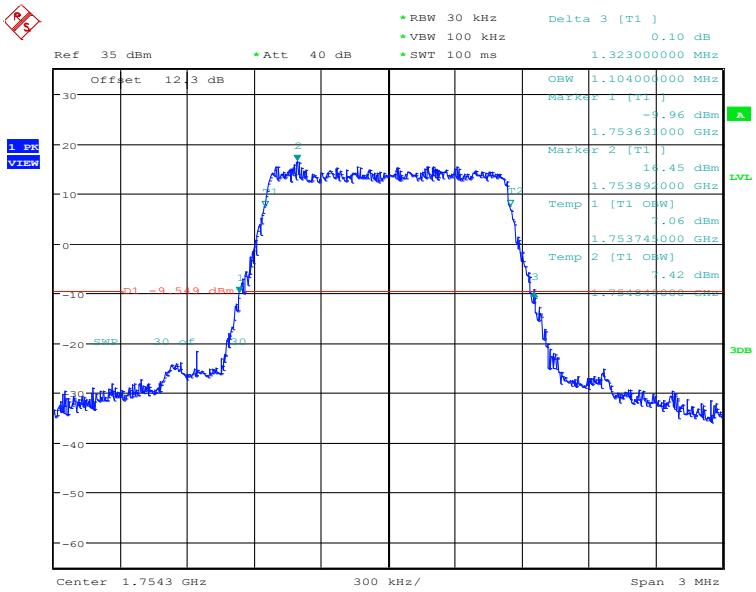
Band4-1.4MHz-16QAM-20393-6RB#0



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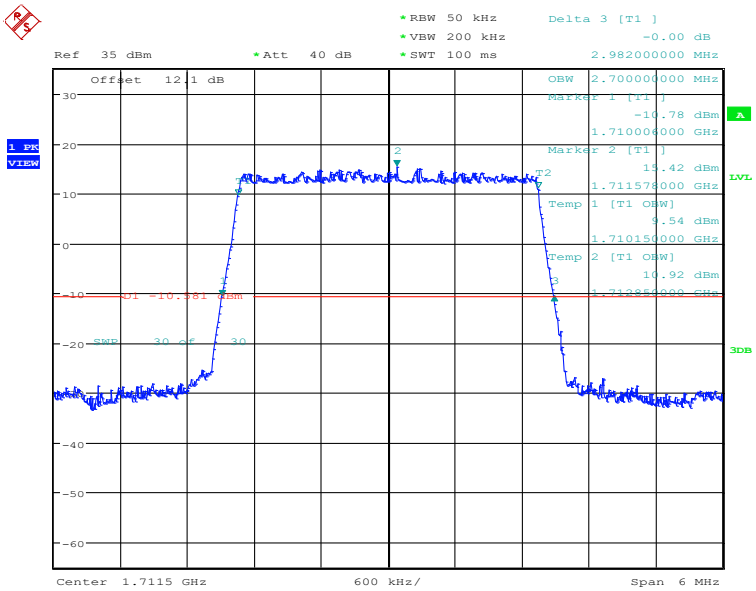
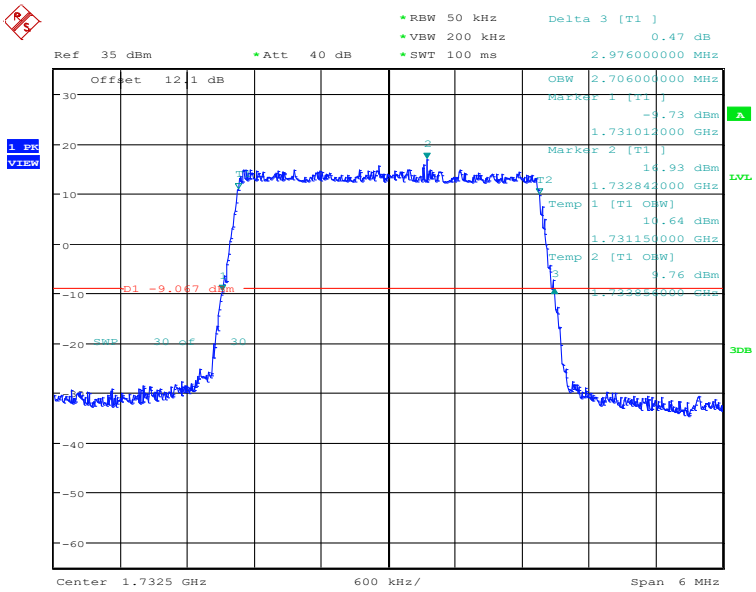


Date: 9.JUL.2021 01:31:14

Band4-3MHz-QPSK-20175-15RB#0



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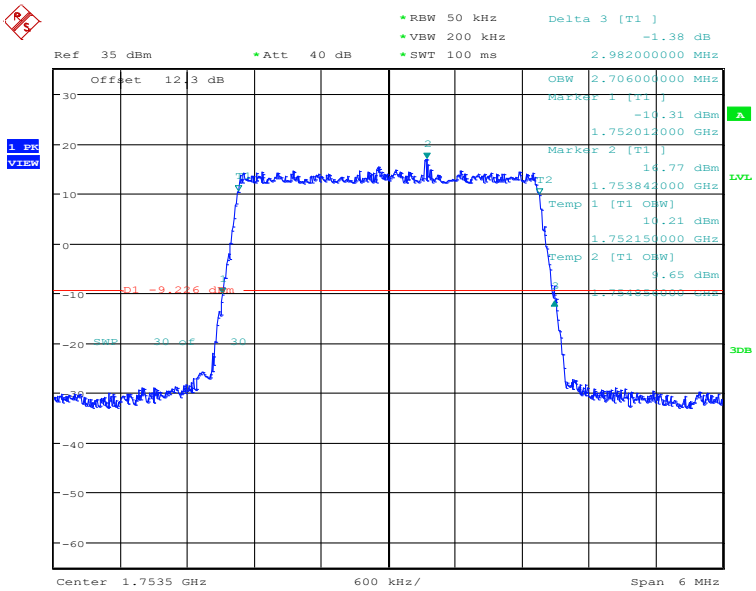

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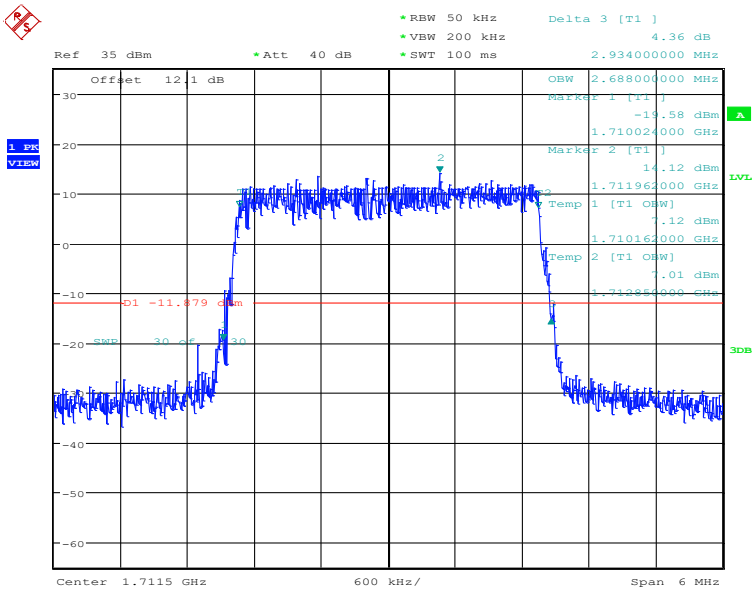
Band4-3MHz-16QAM-19965-15RB#0



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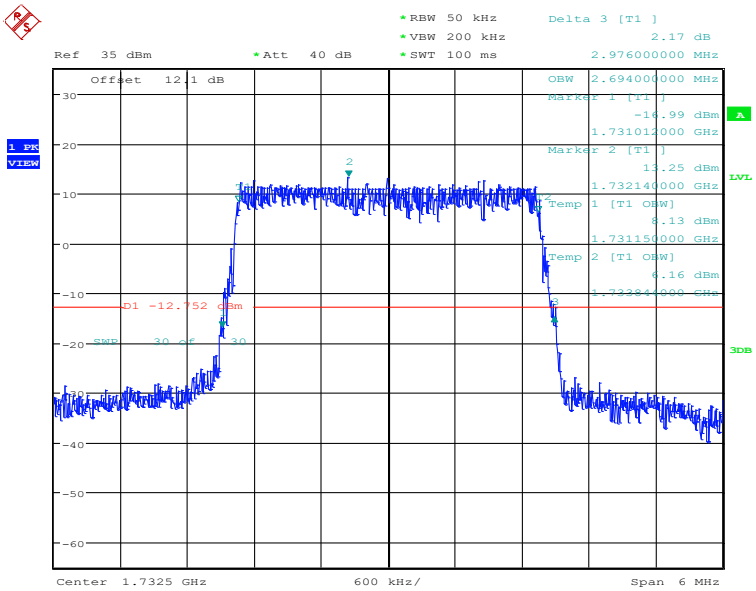

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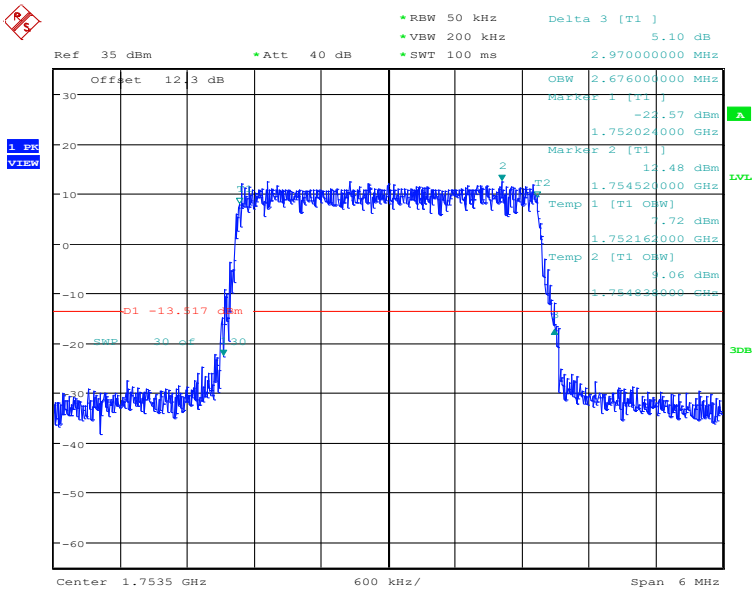

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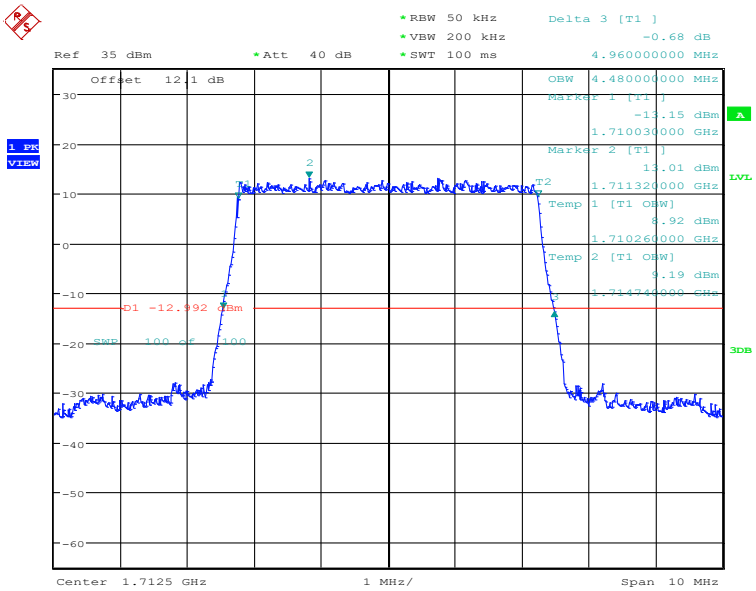

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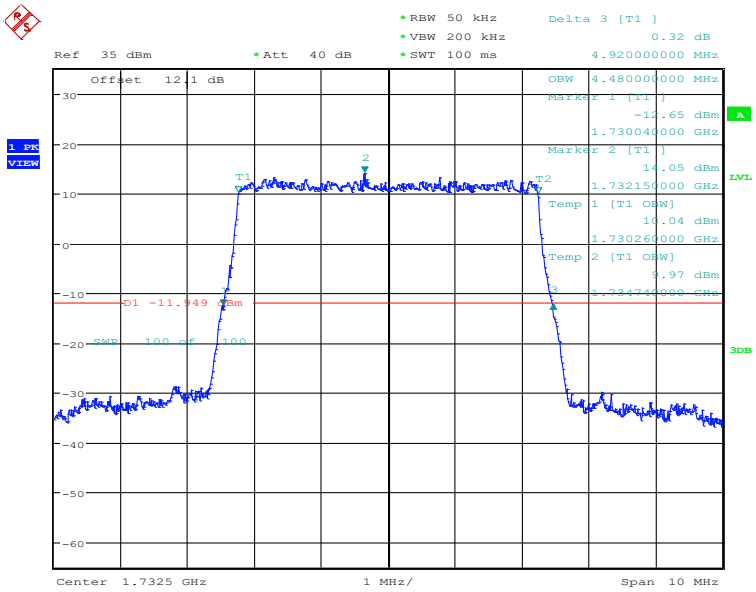

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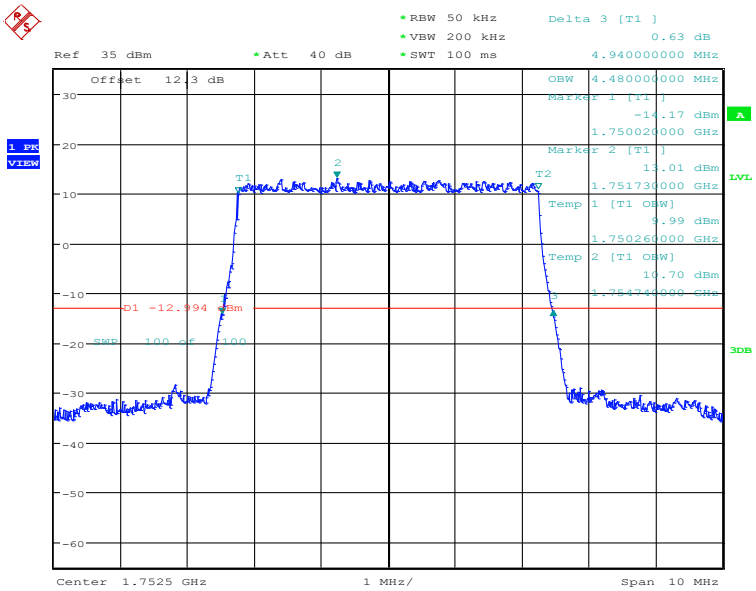

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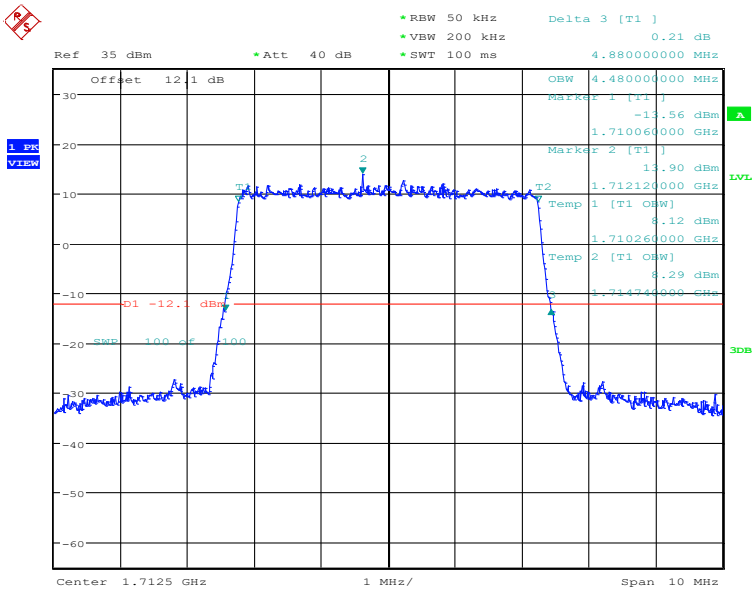

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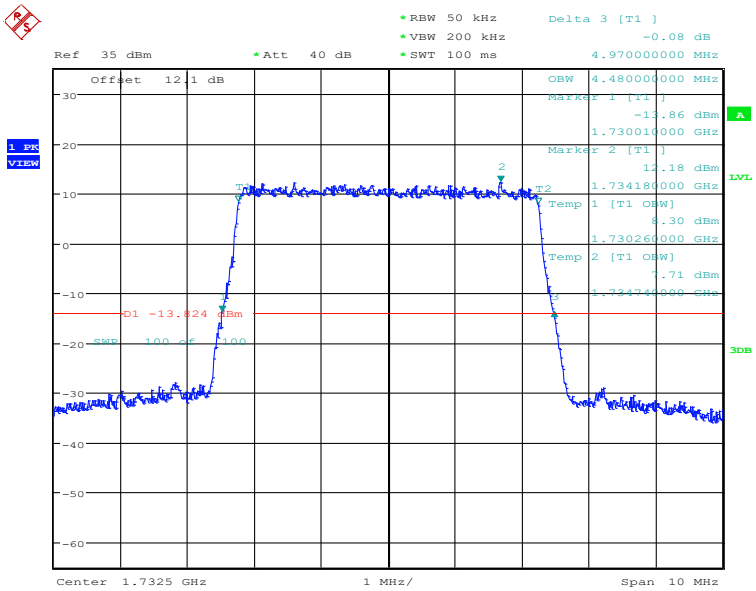

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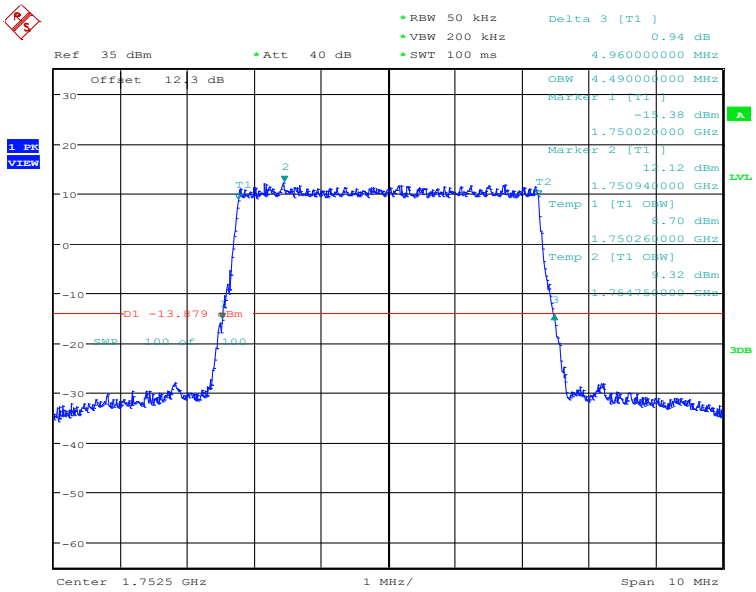

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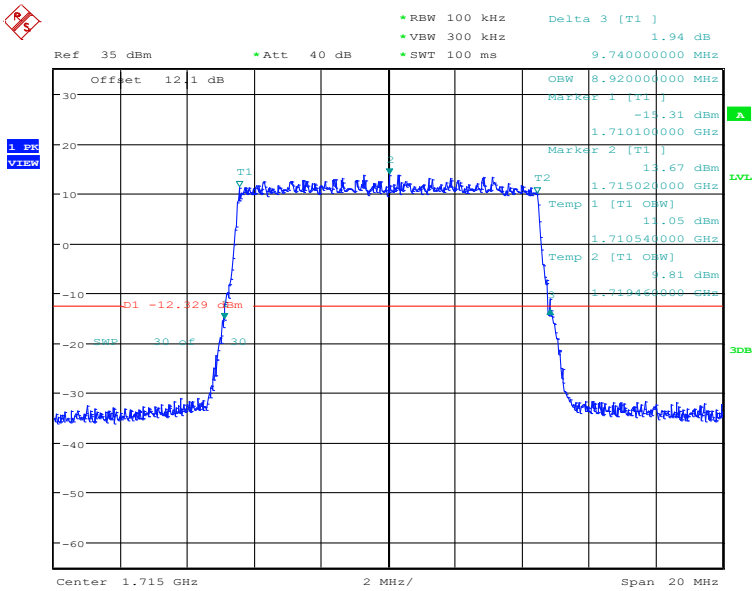

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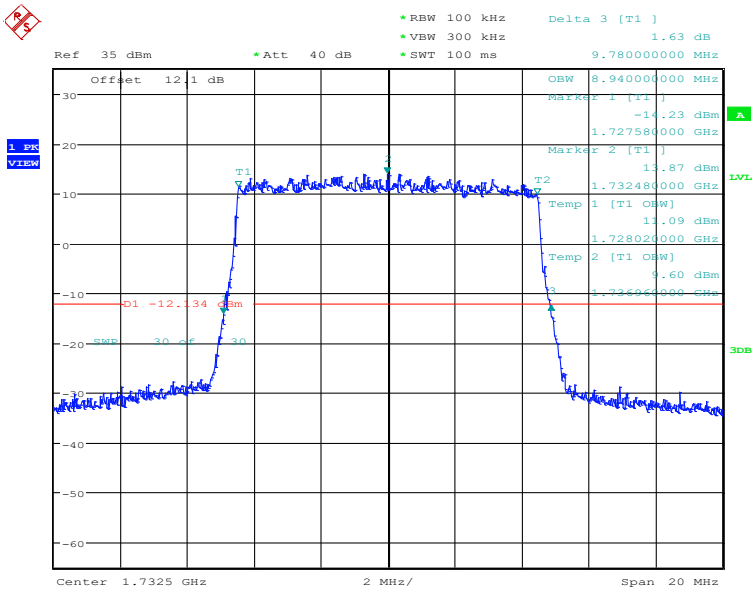

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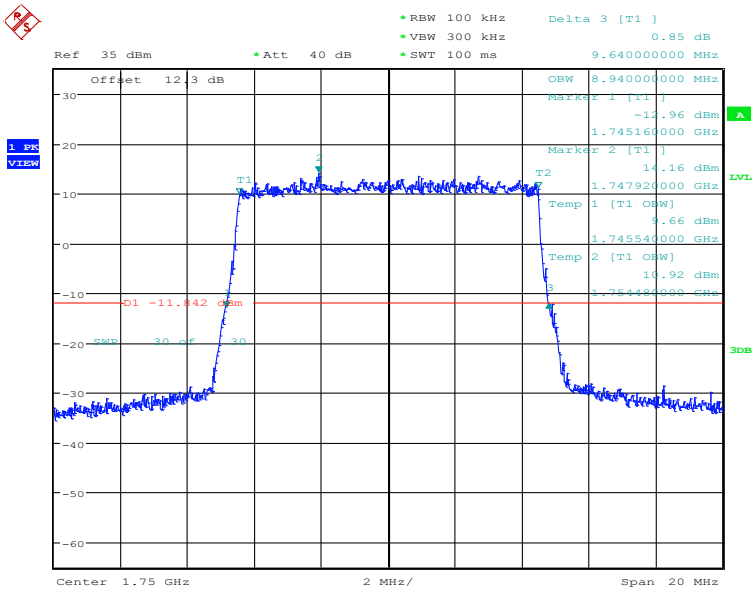

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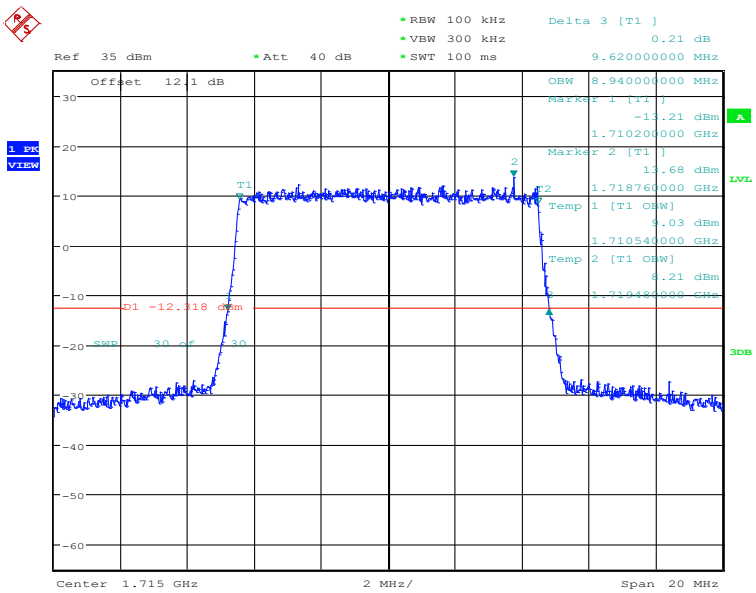

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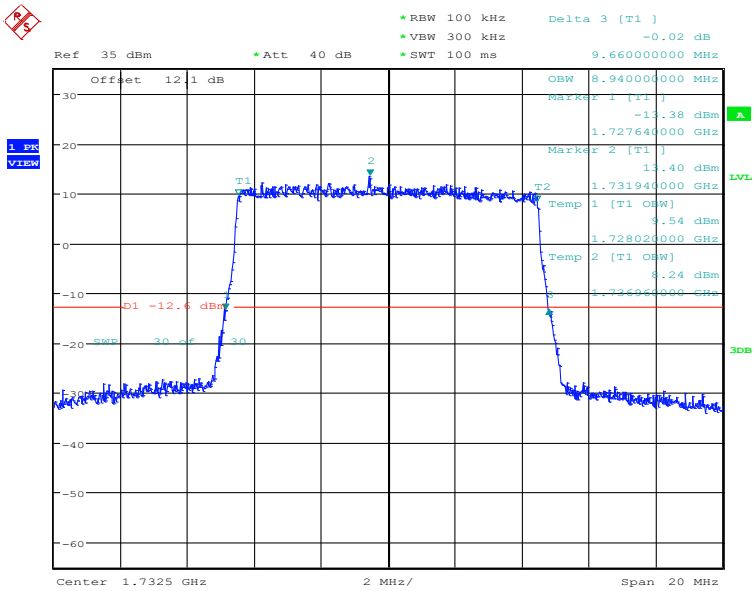

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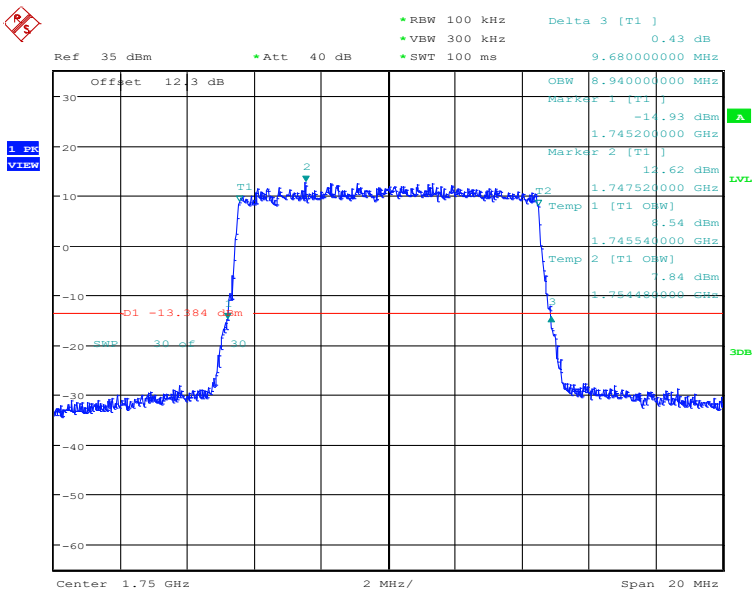

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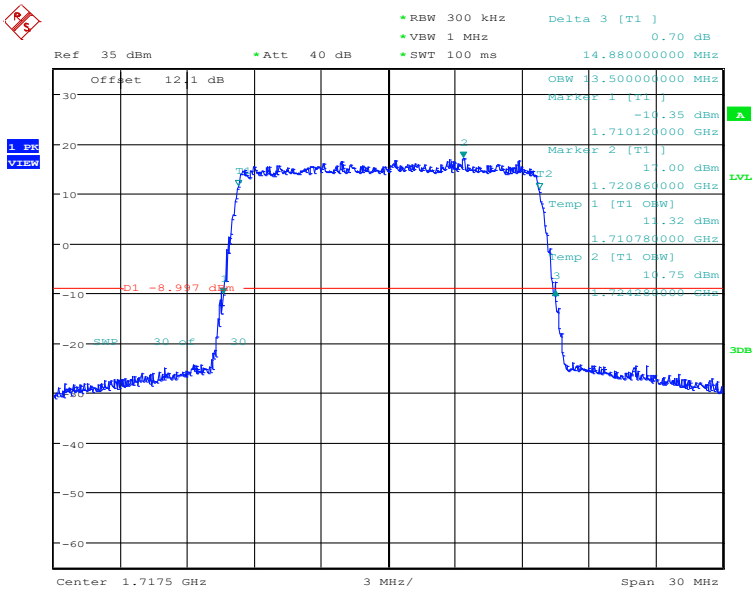

Date: 9.JUL.2021 01:56:12

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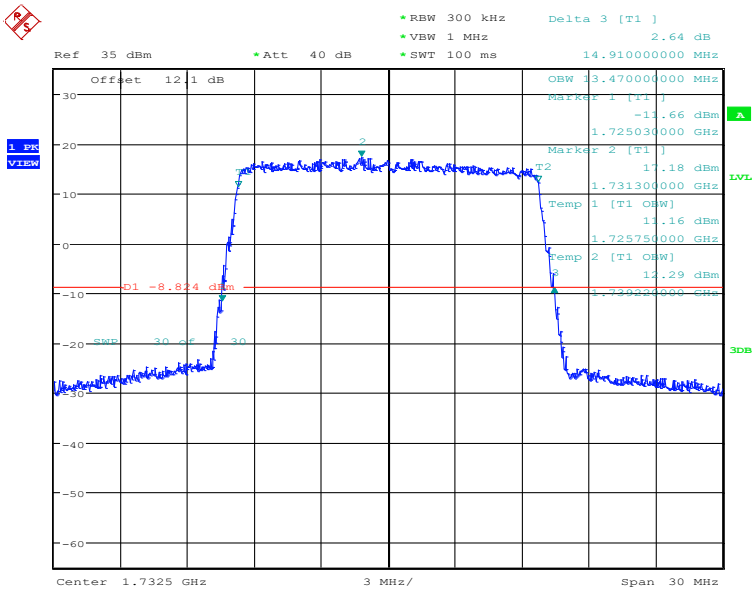

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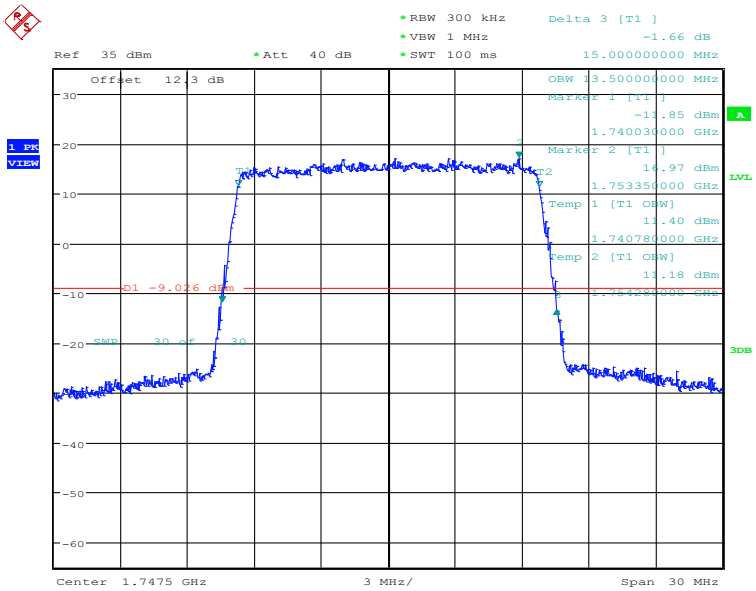

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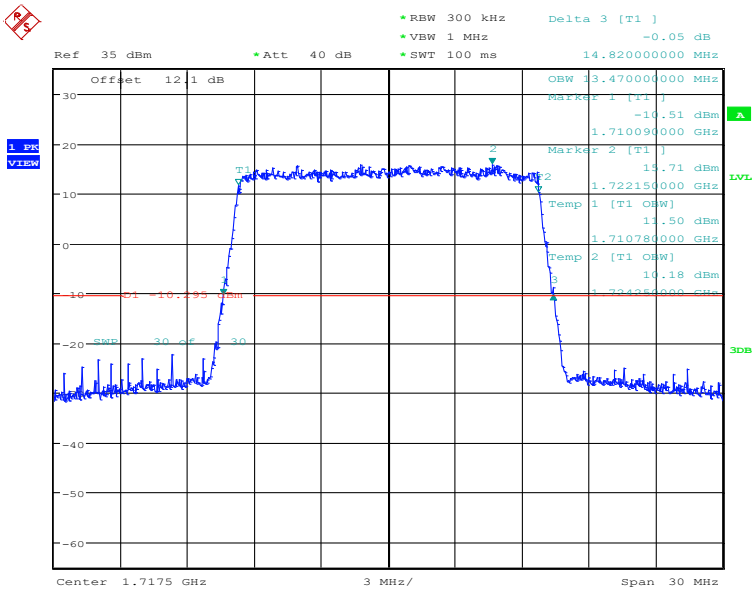

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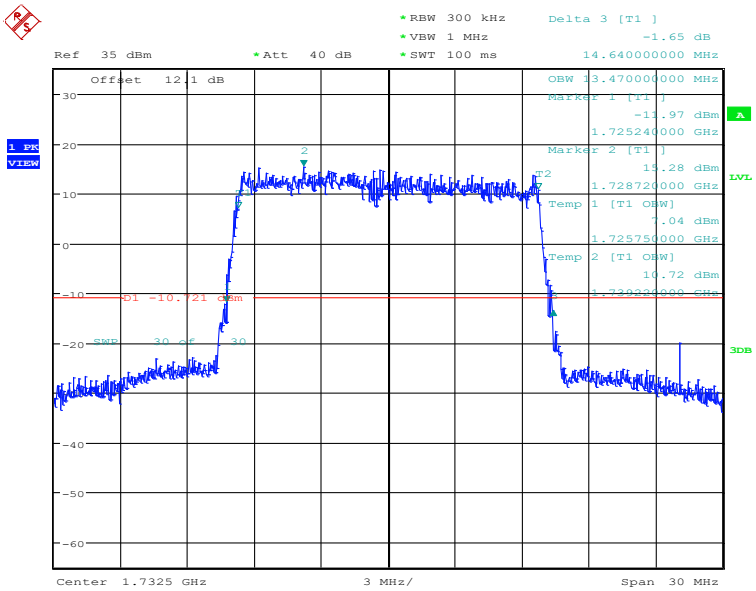
Band4-15MHz-16QAM-20175-75RB#0



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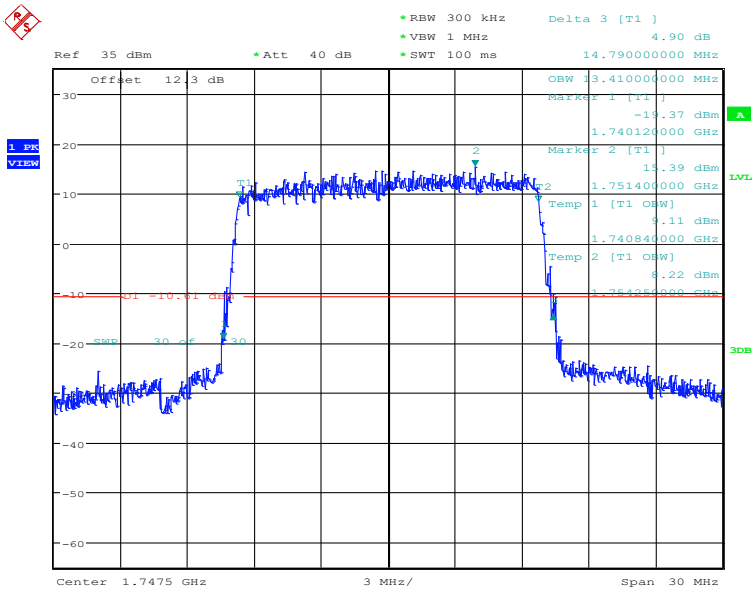
Band4-15MHz-16QAM-20325-75RB#0



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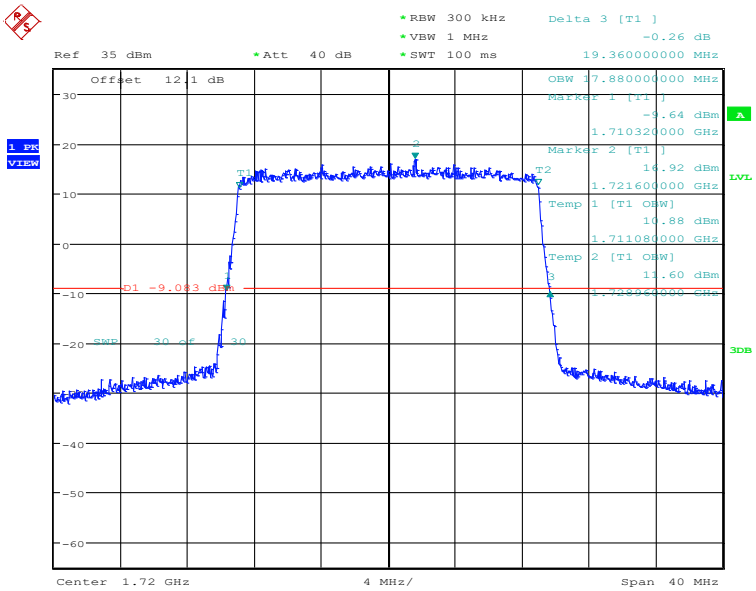

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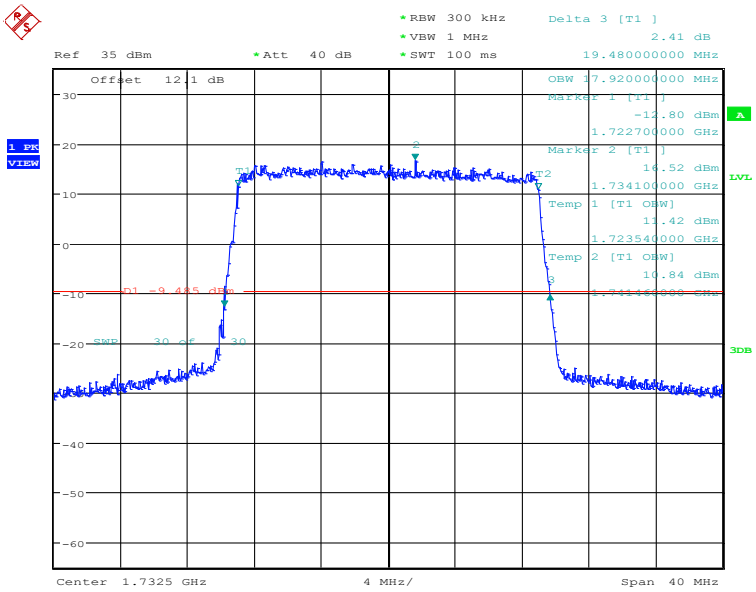

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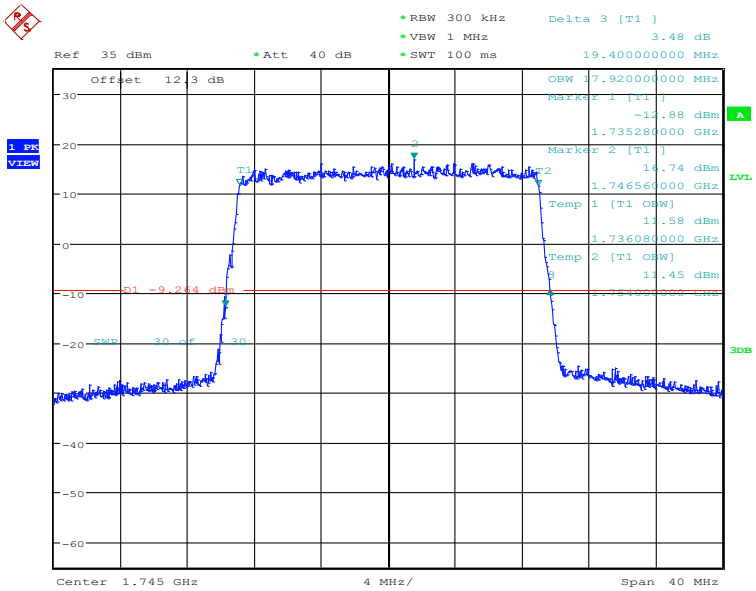
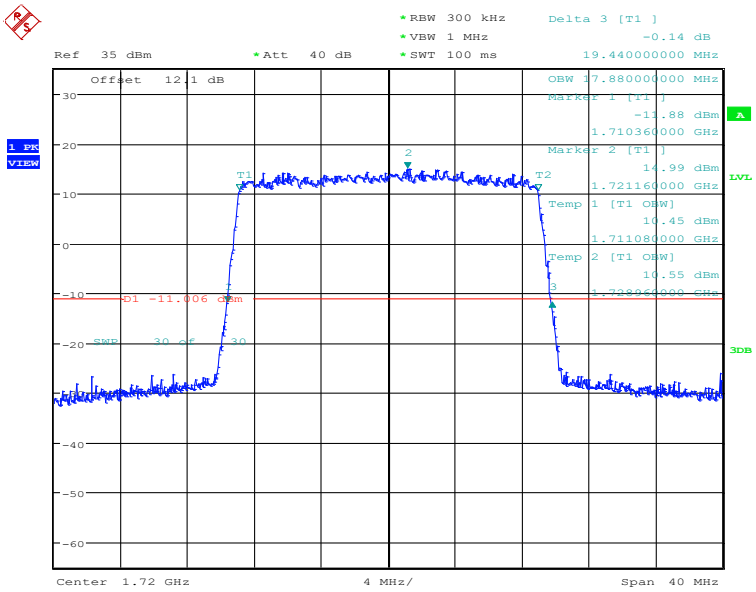
Band4-20MHz-QPSK-20300-100RB#0



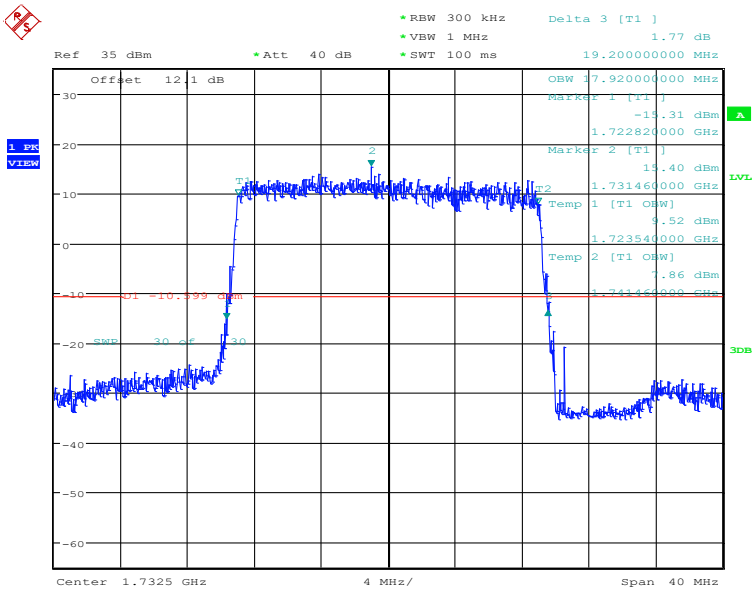
Date: 9.JUL.2021 02:00:00

Band4-20MHz-16QAM-20050-100RB#0



Date: 9.JUL.2021 15:05:28

Band4-20MHz-16QAM-20175-100RB#0



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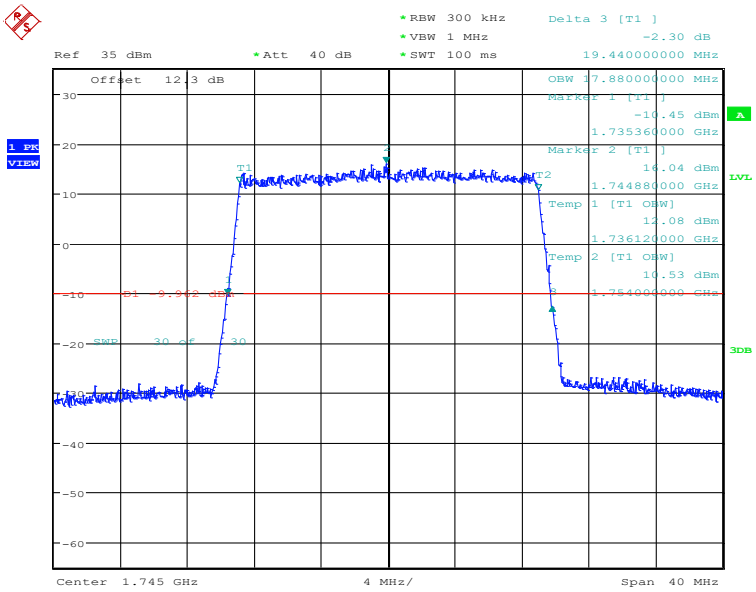
Band4-20MHz-16QAM-20300-100RB#0



Date: 9.JUL.2021 15:05:41

Appendix D: Band Edge

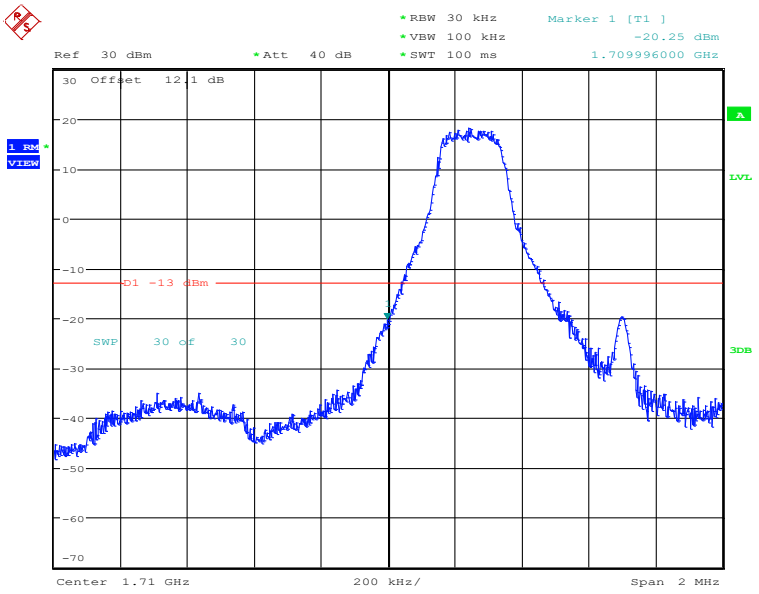
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-20.25	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-24.72	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-20.05	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-25.84	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-21.04	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-25.06	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-18.68	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-27.29	PASS
Band4	3MHz	QPSK	19965	1RB#0	-20.83	PASS
Band4	3MHz	QPSK	19965	15RB#0	-24.98	PASS
Band4	3MHz	QPSK	20385	1RB#14	-19.44	PASS
Band4	3MHz	QPSK	20385	15RB#0	-25.36	PASS
Band4	3MHz	16QAM	19965	1RB#0	-19.78	PASS
Band4	3MHz	16QAM	19965	15RB#0	-25.81	PASS
Band4	3MHz	16QAM	20385	1RB#14	-18.22	PASS
Band4	3MHz	16QAM	20385	15RB#0	-26.58	PASS
Band4	5MHz	QPSK	19975	1RB#0	-20.90	PASS
Band4	5MHz	QPSK	19975	25RB#0	-24.30	PASS
Band4	5MHz	QPSK	20375	1RB#24	-20.00	PASS
Band4	5MHz	QPSK	20375	25RB#0	-25.30	PASS
Band4	5MHz	16QAM	19975	1RB#0	-19.36	PASS
Band4	5MHz	16QAM	19975	25RB#0	-25.47	PASS
Band4	5MHz	16QAM	20375	1RB#24	-20.08	PASS
Band4	5MHz	16QAM	20375	25RB#0	-26.38	PASS
Band4	10MHz	QPSK	20000	1RB#0	-29.47	PASS
Band4	10MHz	QPSK	20000	50RB#0	-28.74	PASS
Band4	10MHz	QPSK	20350	1RB#49	-29.61	PASS
Band4	10MHz	QPSK	20350	50RB#0	-30.57	PASS
Band4	10MHz	16QAM	20000	1RB#0	-25.99	PASS
Band4	10MHz	16QAM	20000	50RB#0	-31.42	PASS
Band4	10MHz	16QAM	20350	1RB#49	-29.49	PASS
Band4	10MHz	16QAM	20350	50RB#0	-30.36	PASS
Band4	15MHz	QPSK	20025	1RB#0	-23.11	PASS
Band4	15MHz	QPSK	20025	75RB#0	-31.36	PASS
Band4	15MHz	QPSK	20325	1RB#74	-22.33	PASS
Band4	15MHz	QPSK	20325	75RB#0	-29.51	PASS
Band4	15MHz	16QAM	20025	1RB#0	-23.98	PASS

Band4	15MHz	16QAM	20025	75RB#0	-31.90	PASS
Band4	15MHz	16QAM	20325	1RB#74	-21.51	PASS
Band4	15MHz	16QAM	20325	75RB#0	-30.84	PASS
Band4	20MHz	QPSK	20050	1RB#0	-23.81	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.47	PASS
Band4	20MHz	QPSK	20300	1RB#99	-22.90	PASS
Band4	20MHz	QPSK	20300	100RB#0	-30.64	PASS
Band4	20MHz	16QAM	20050	1RB#0	-24.53	PASS
Band4	20MHz	16QAM	20050	100RB#0	-33.02	PASS
Band4	20MHz	16QAM	20300	1RB#99	-24.00	PASS
Band4	20MHz	16QAM	20300	100RB#0	-31.08	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



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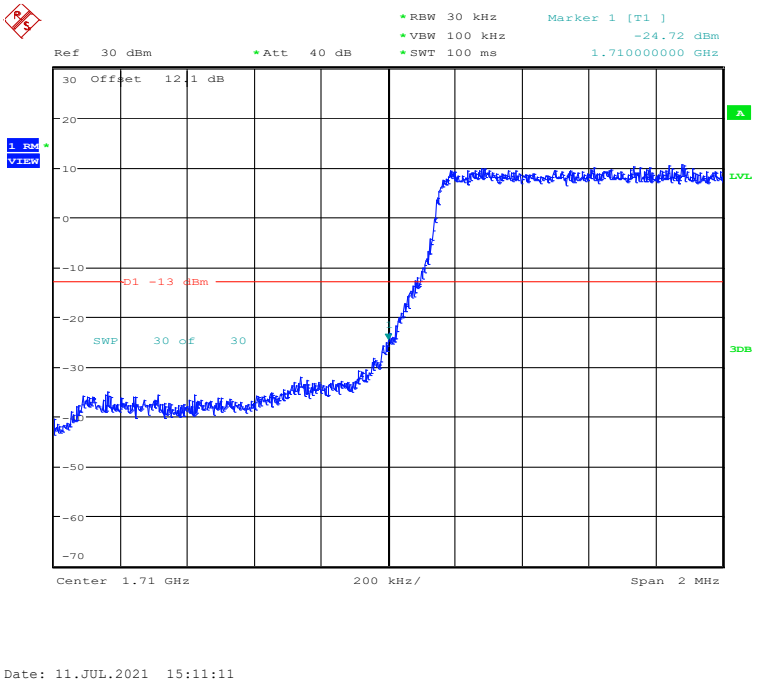

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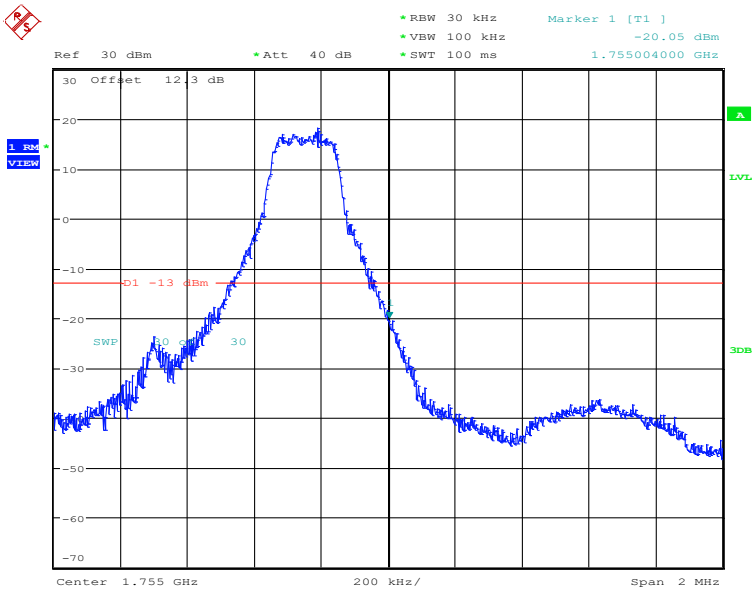

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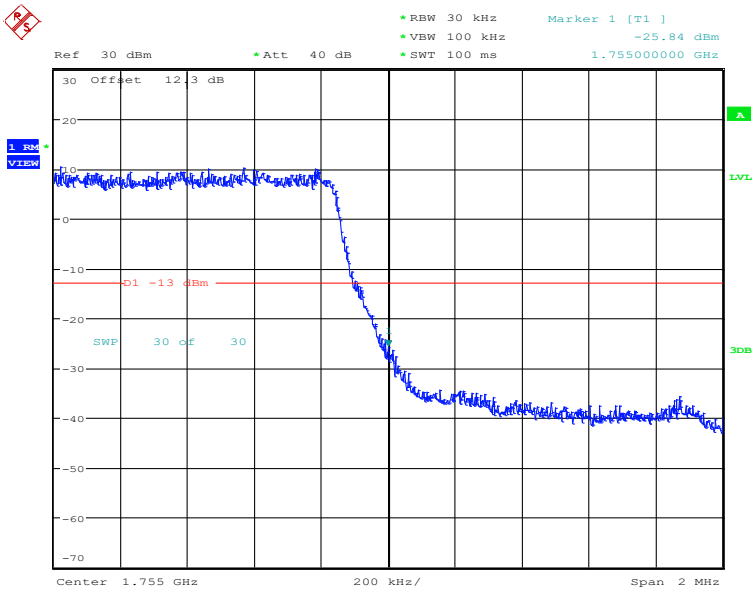
Band4-1.4MHz-QPSK-20393-6RB#0



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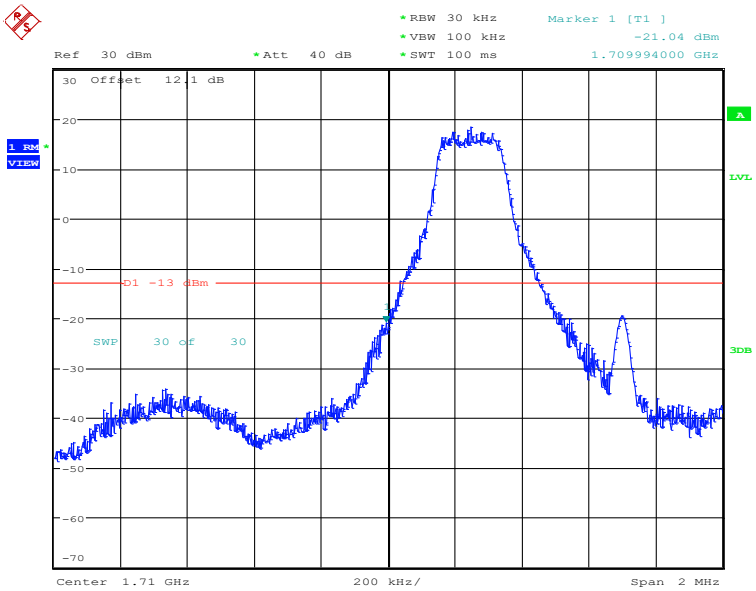

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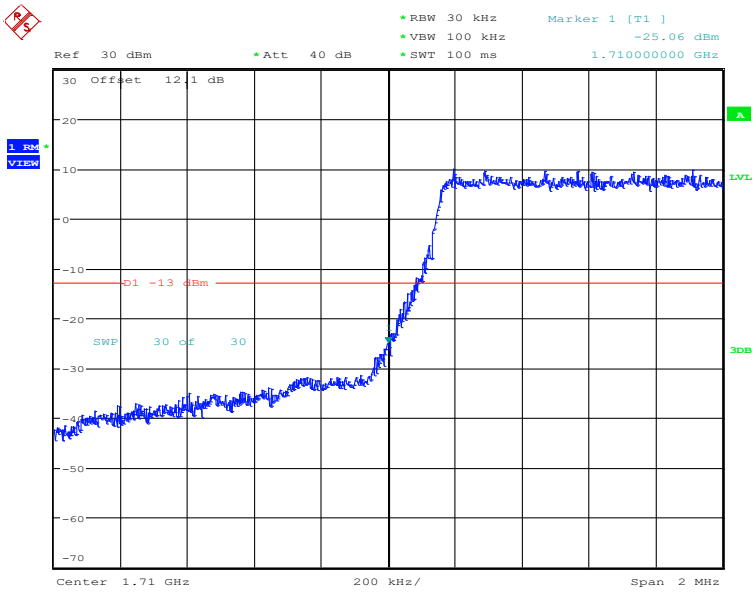

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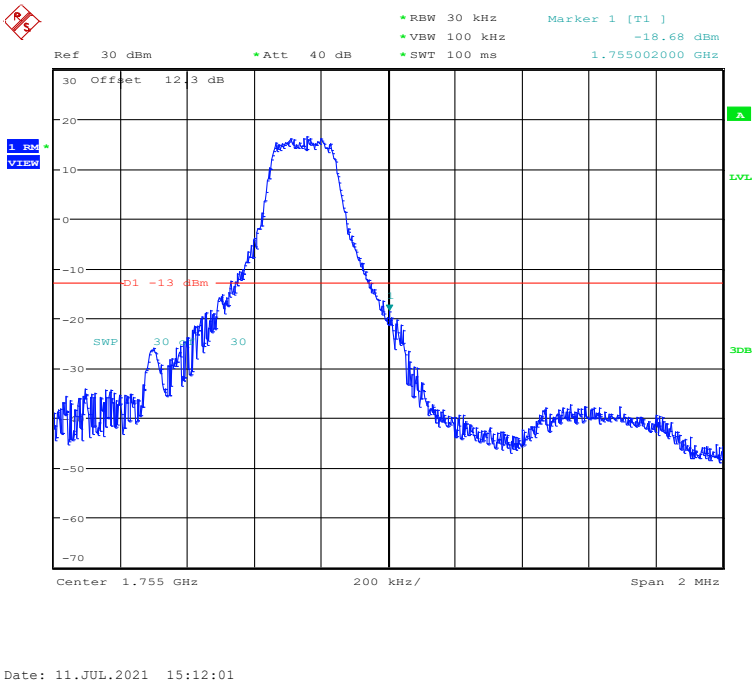

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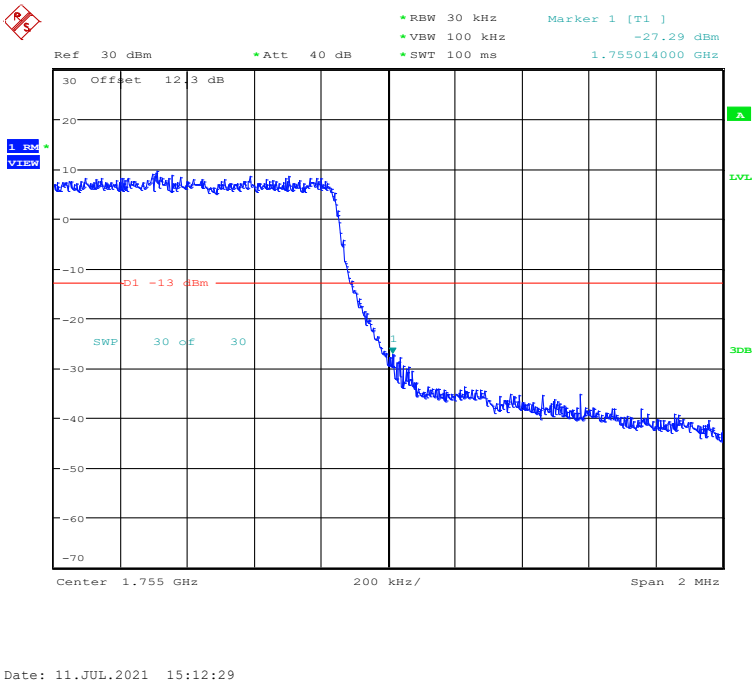

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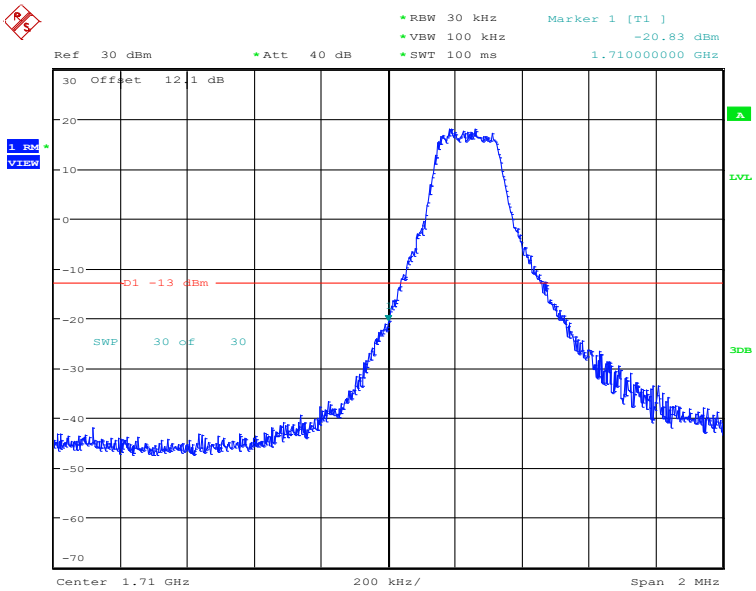

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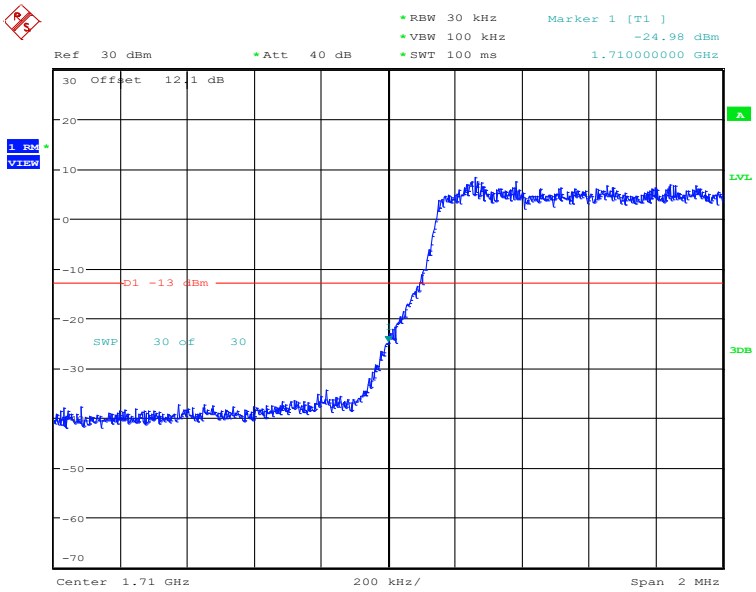

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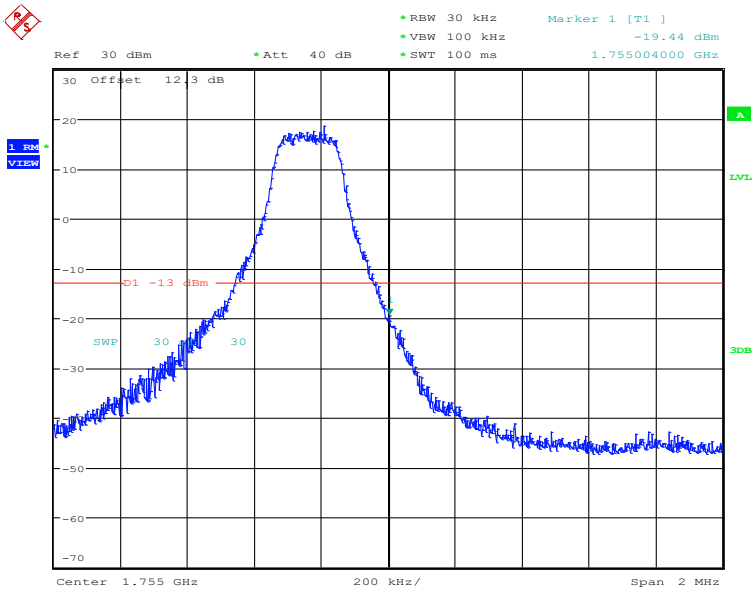

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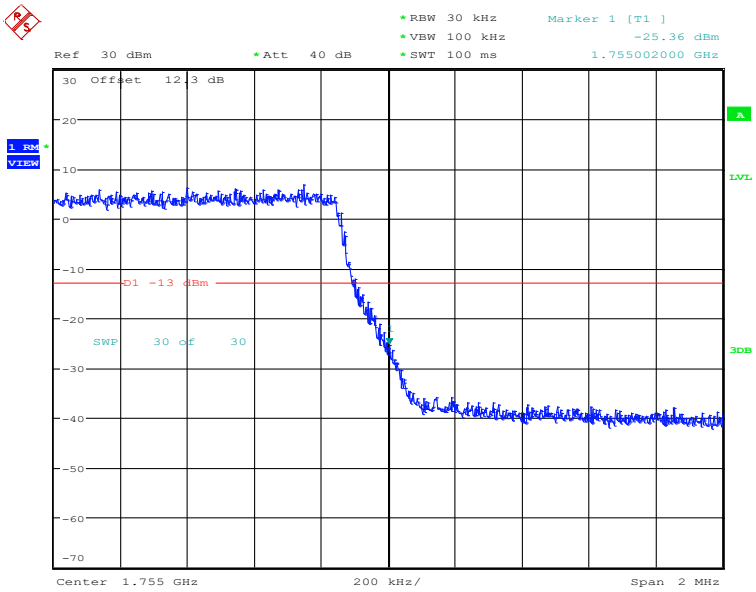

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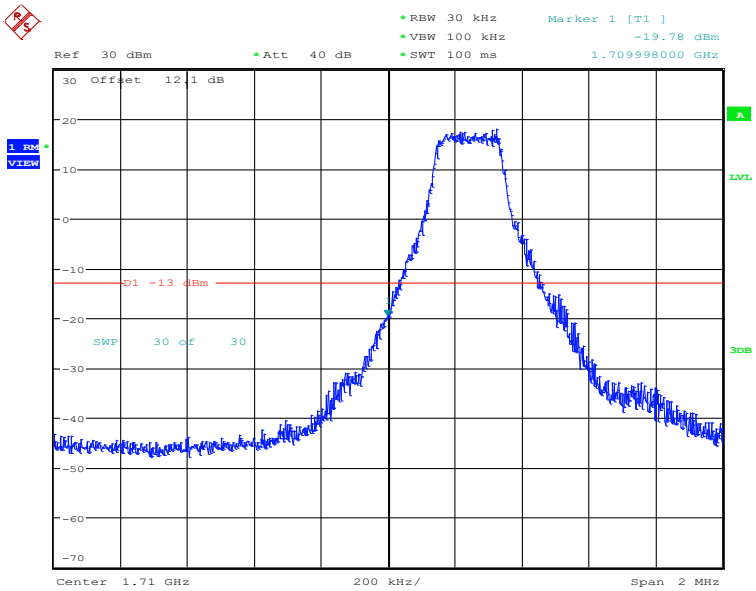

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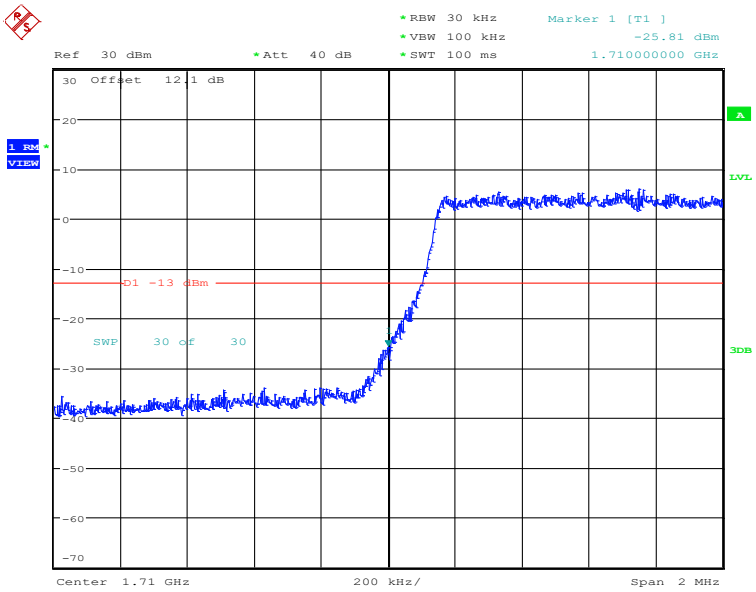

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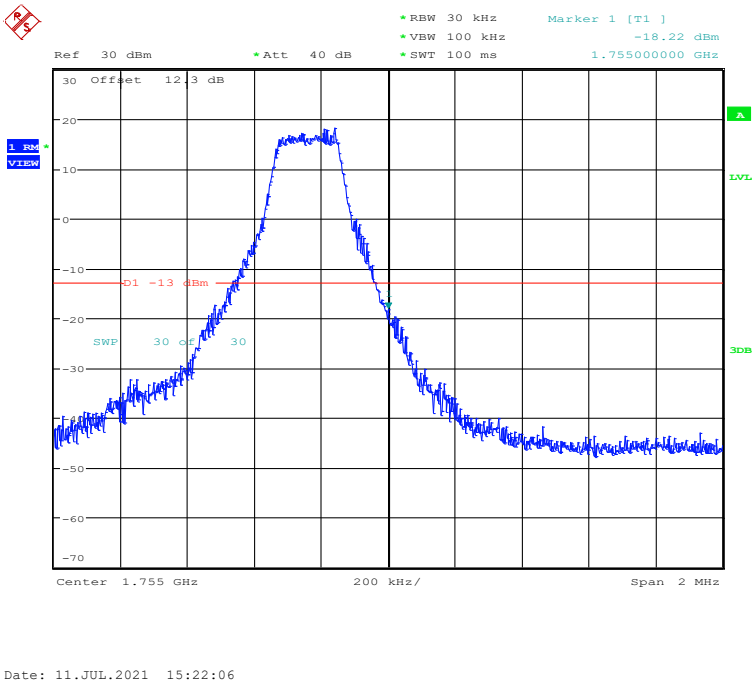

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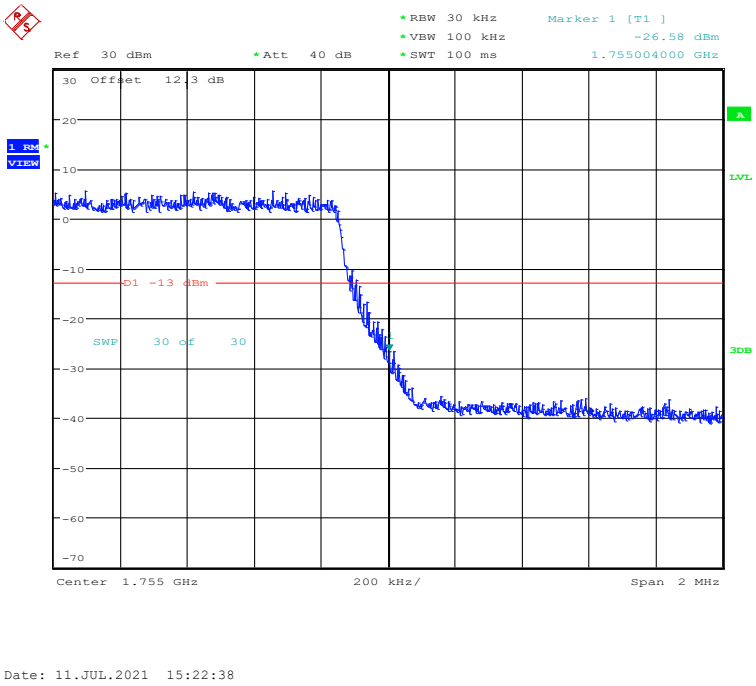

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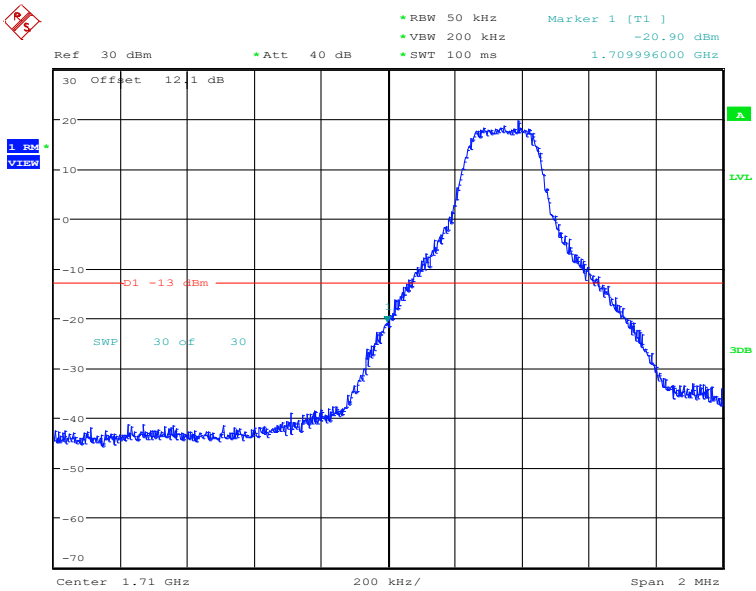

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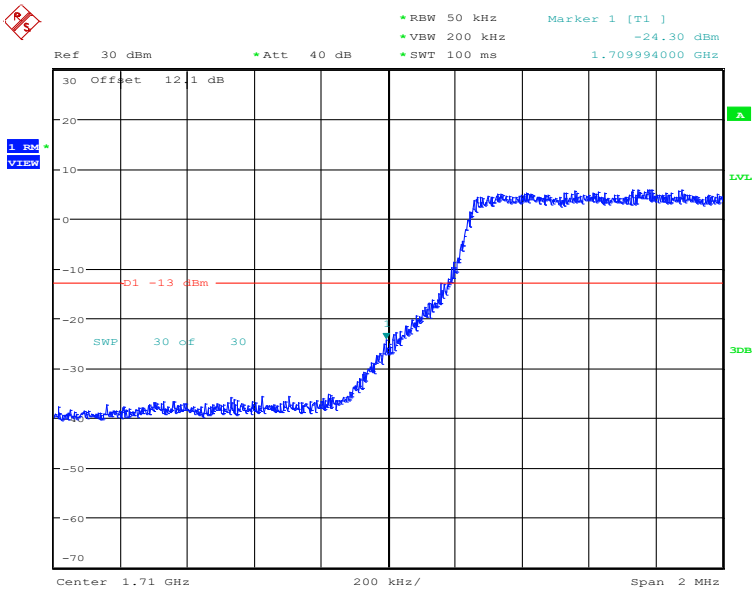

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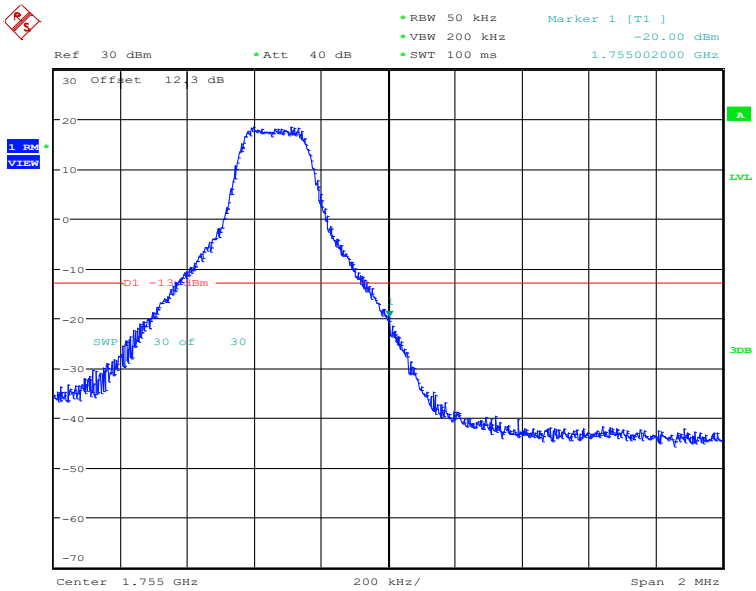

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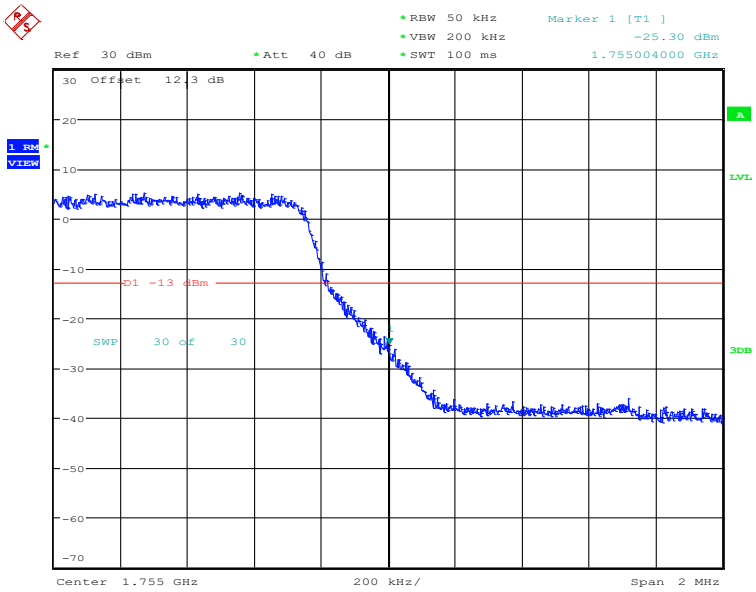
Band4-5MHz-QPSK-20375-25RB#0



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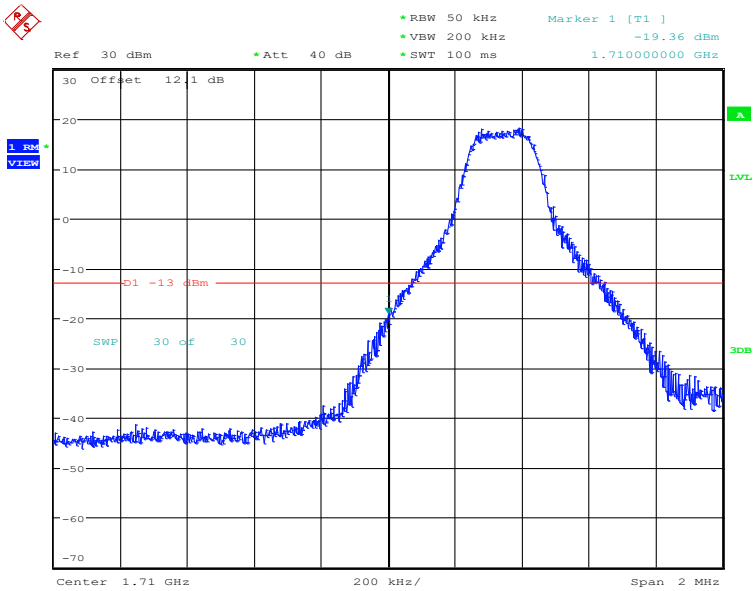

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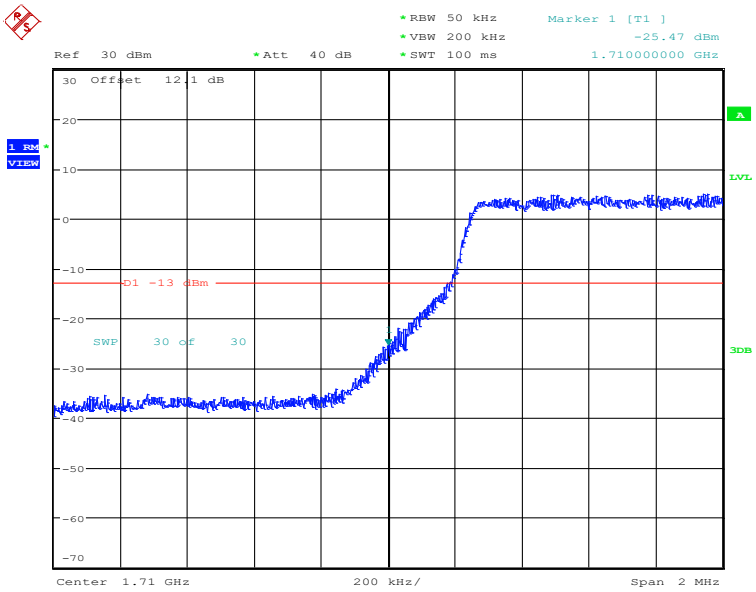

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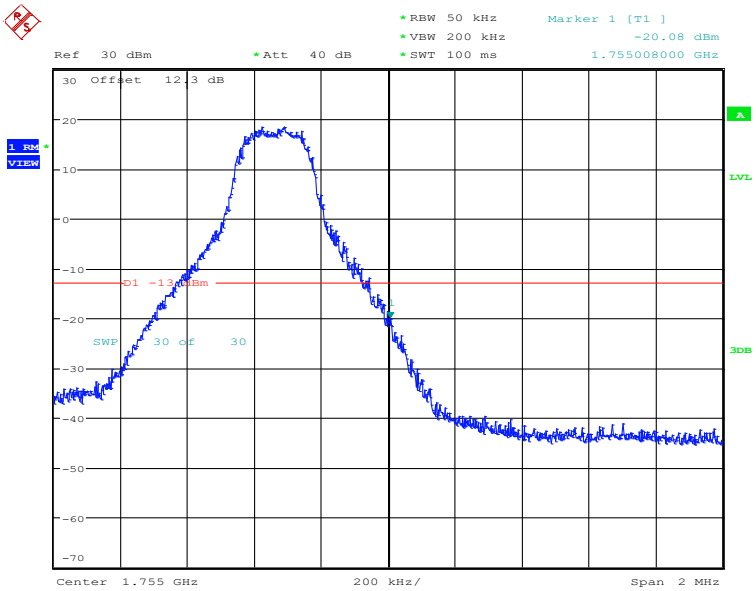

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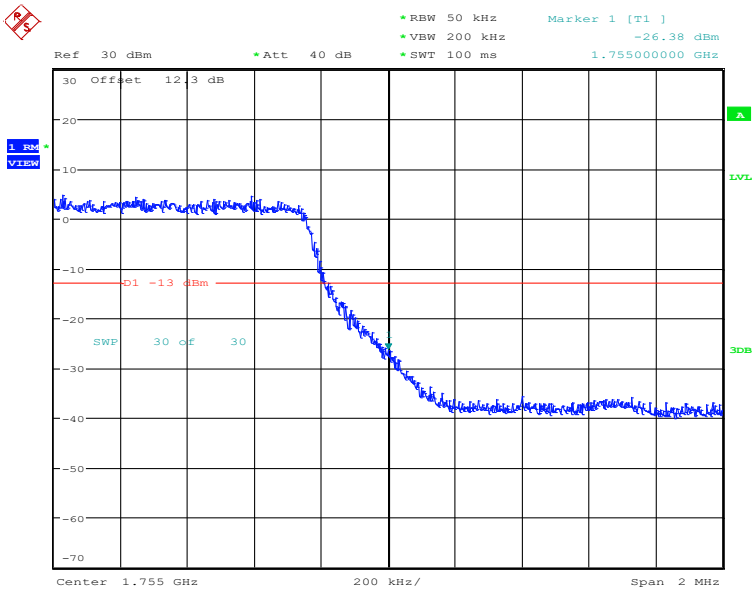

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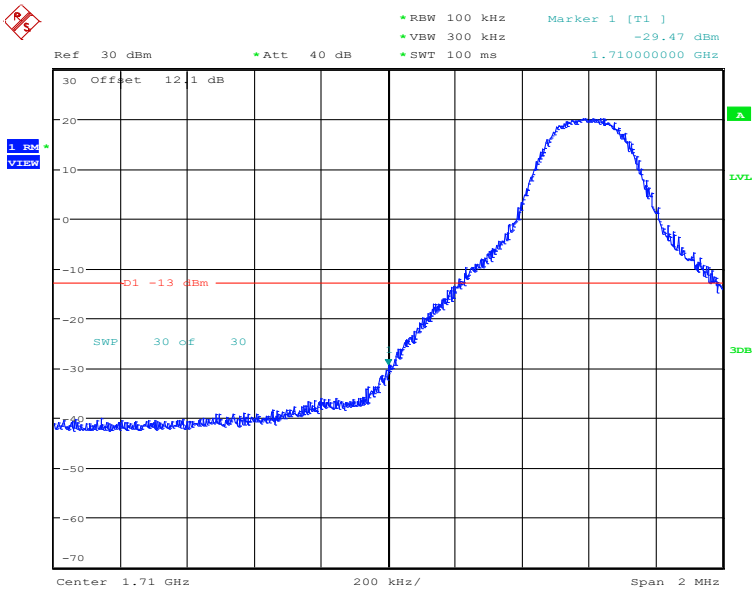

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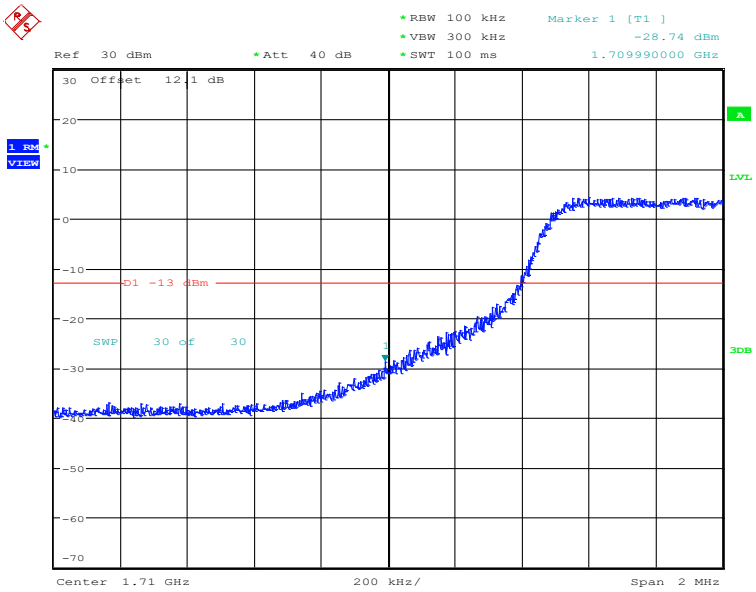

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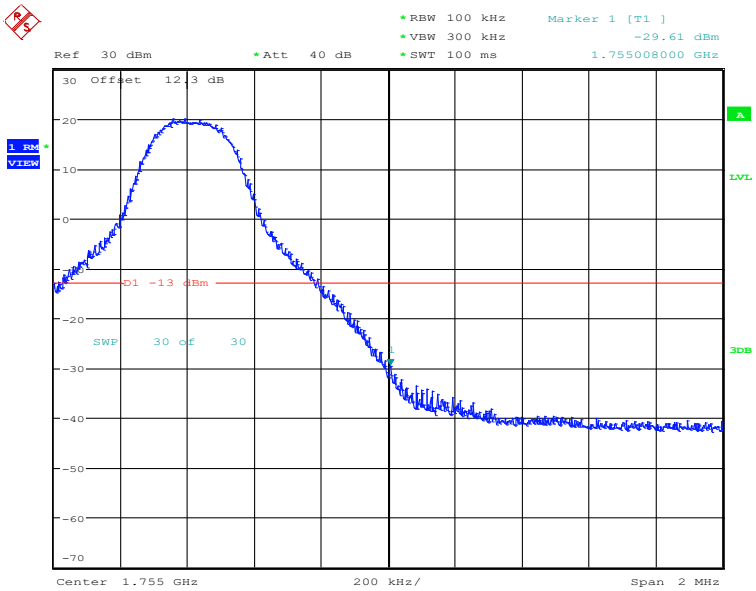

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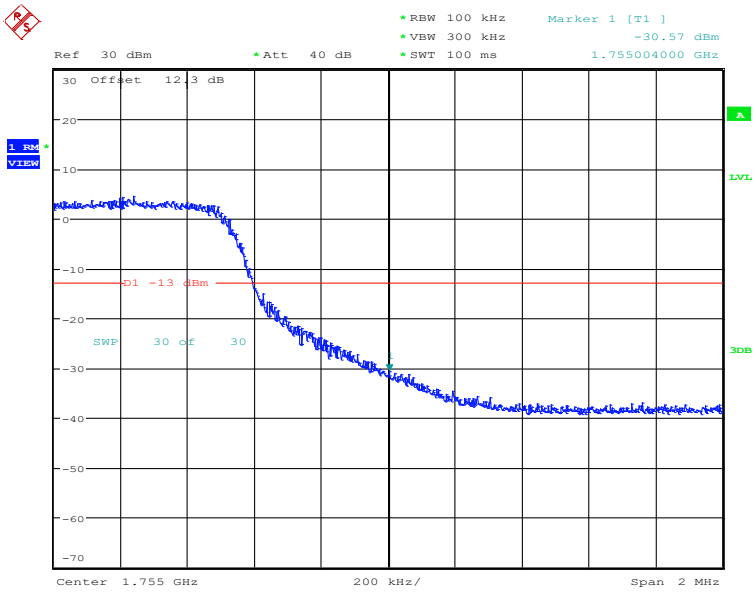

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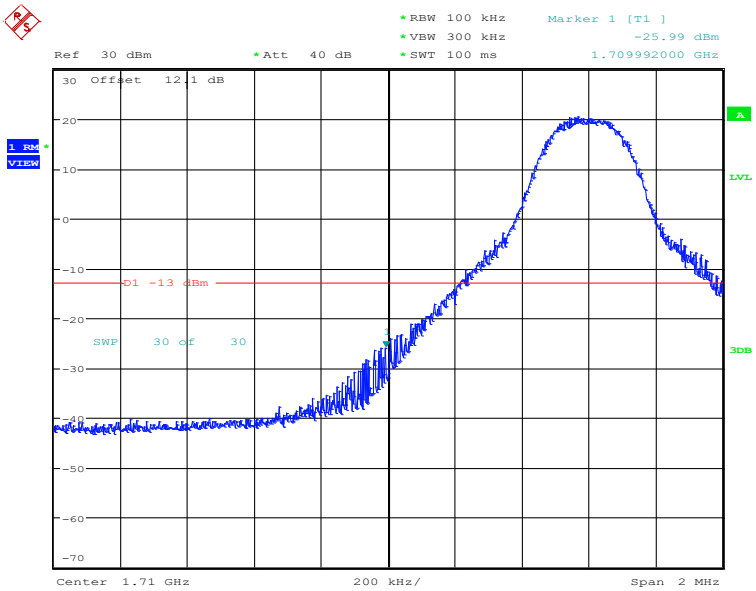

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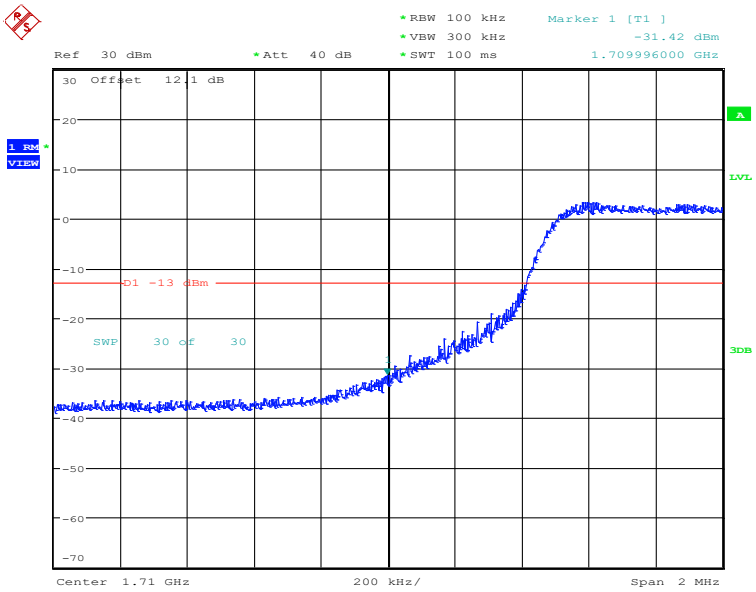

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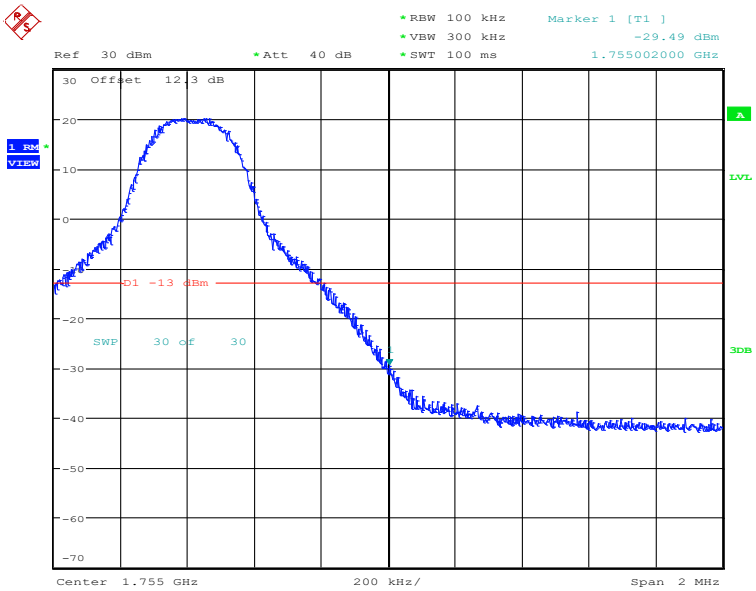

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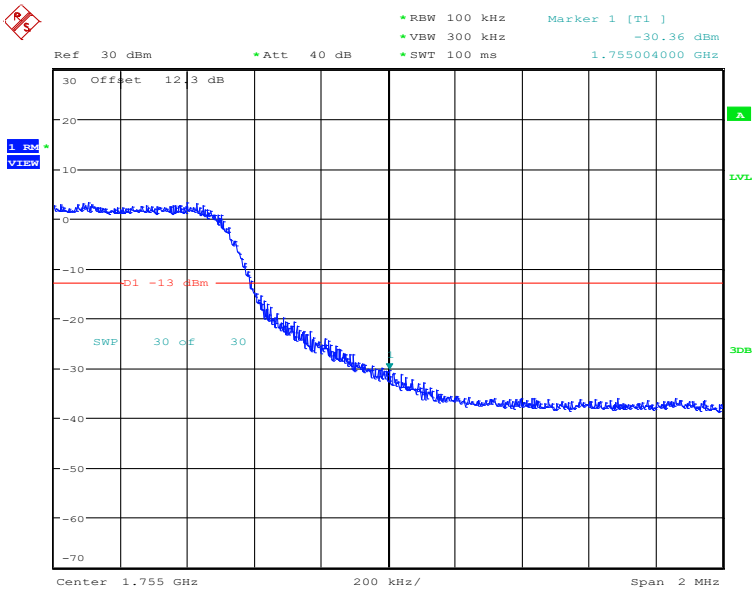

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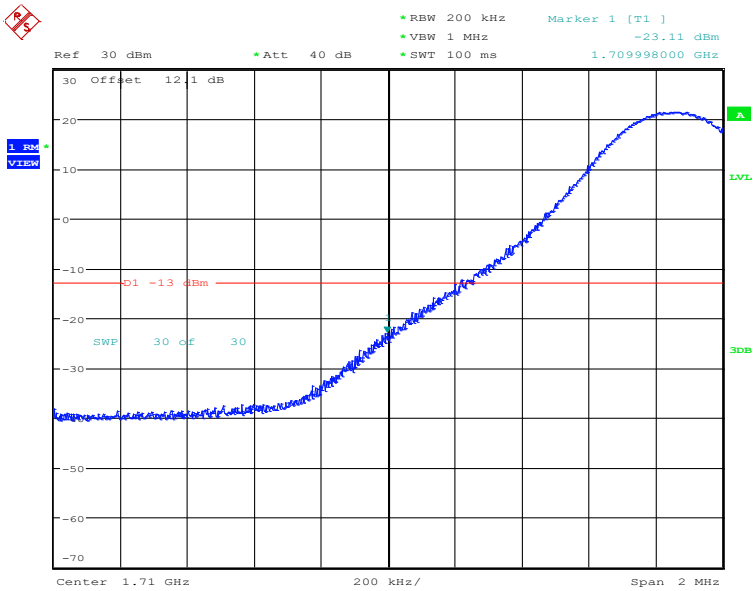

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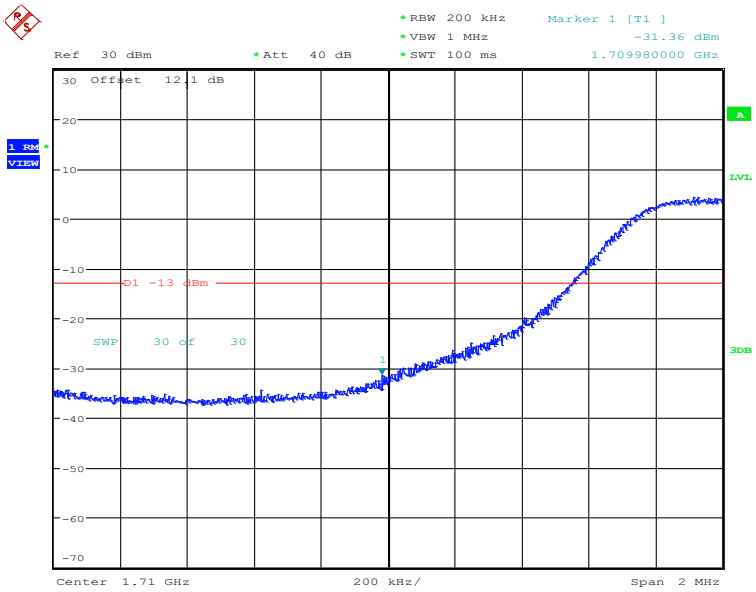

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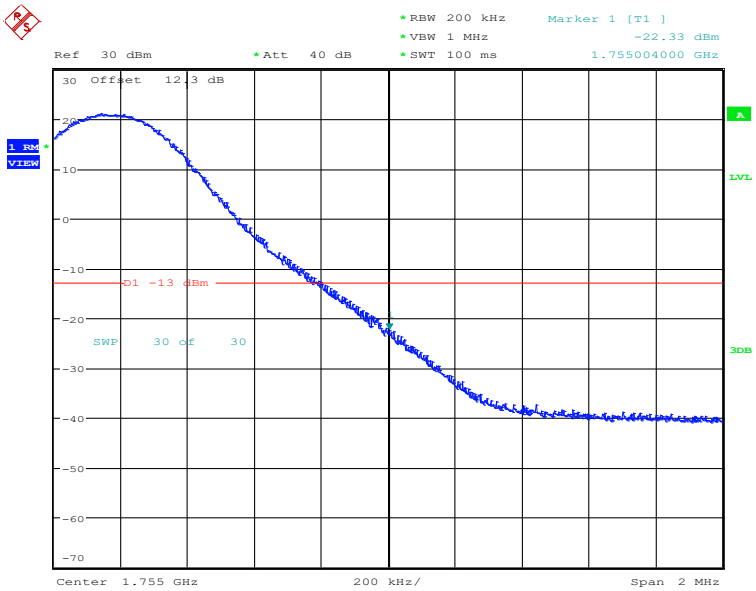
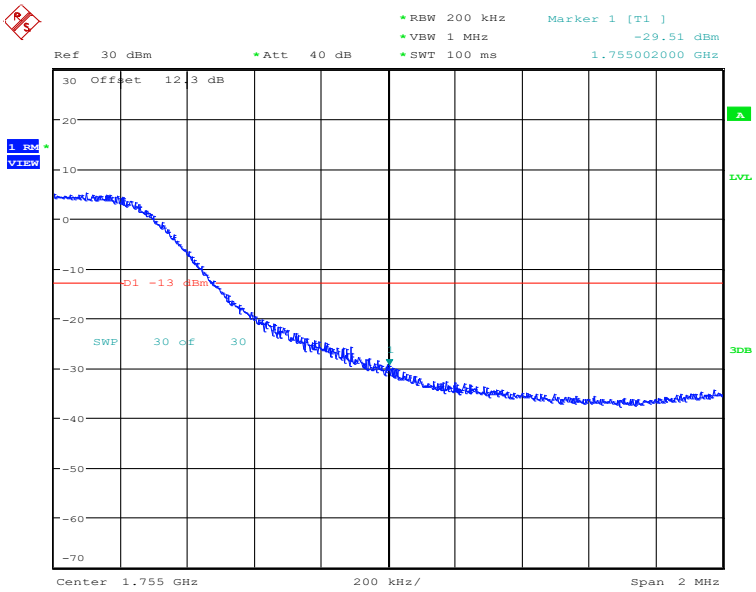


Date: 11.JUL.2021 15:35:09

Band4-15MHz-QPSK-20325-75RB#0



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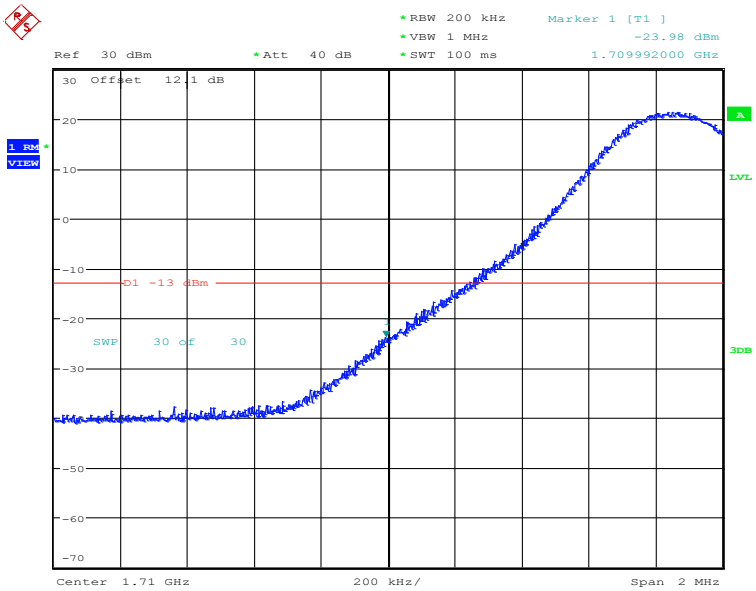

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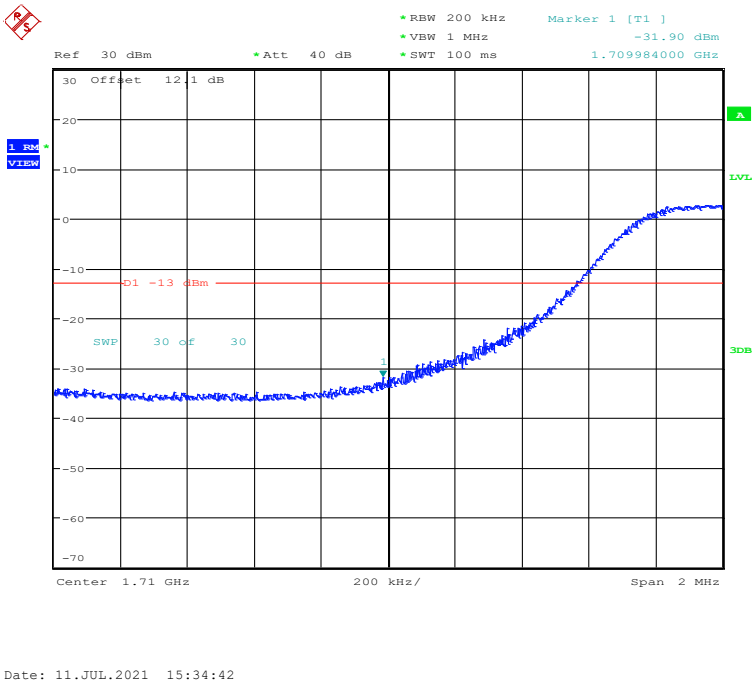
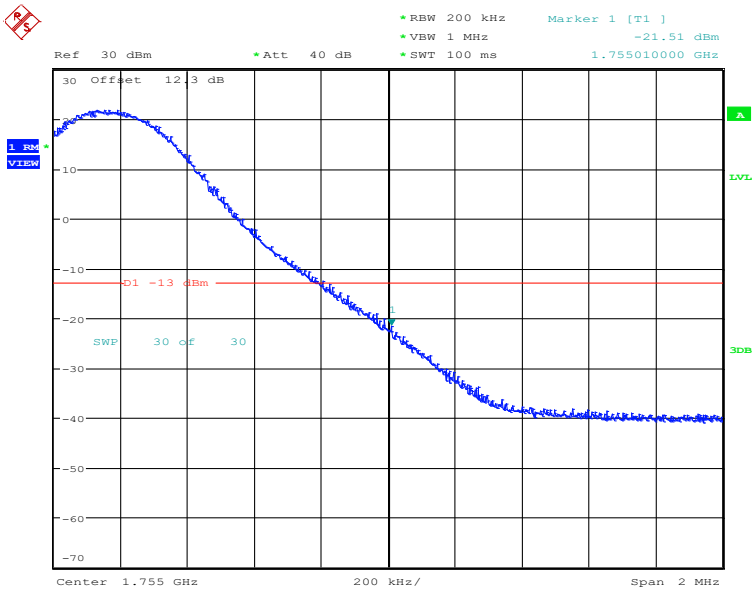
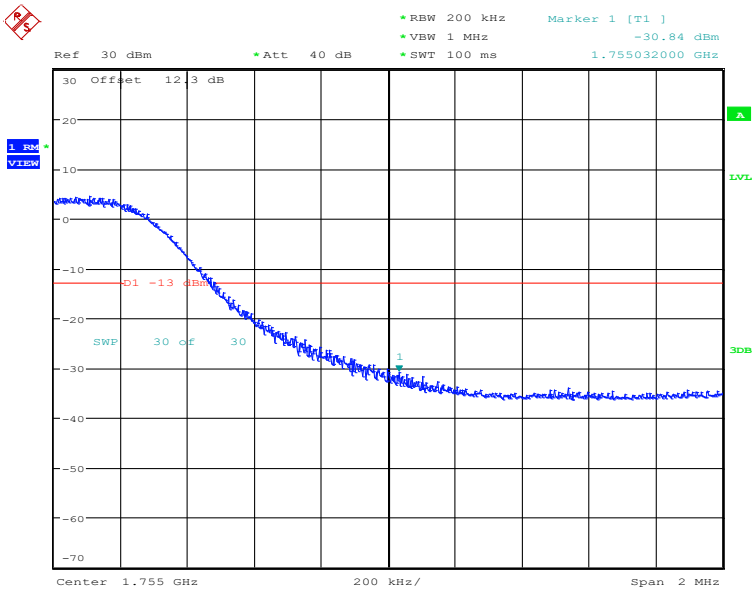


Band4-15MHz-16QAM-20325-1RB#74



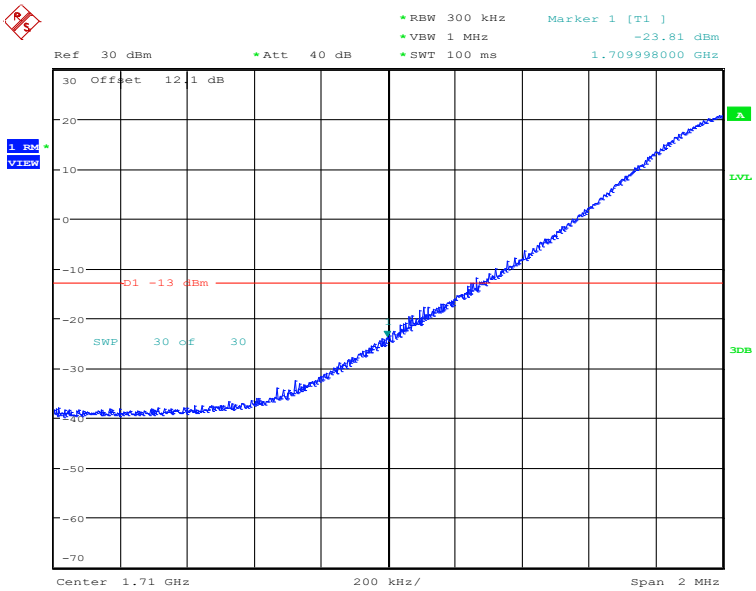
Date: 11.JUL.2021 15:35:26

Band4-15MHz-16QAM-20325-75RB#0

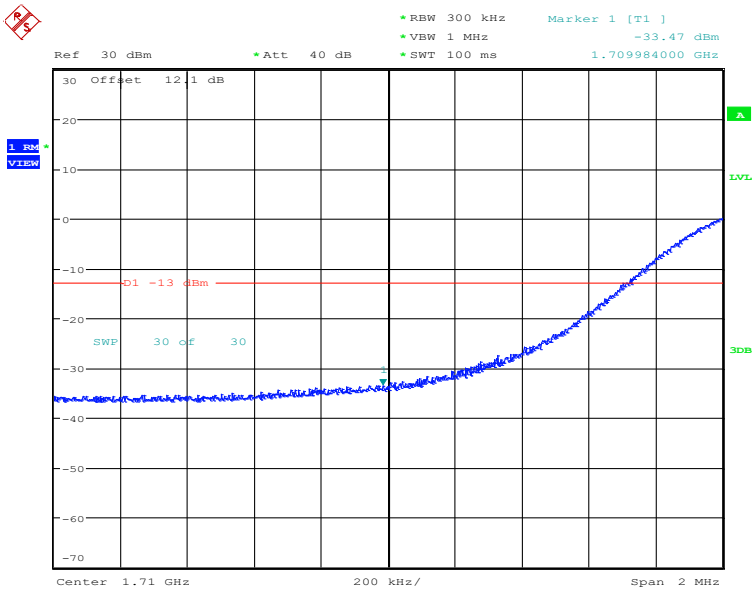


Date: 11.JUL.2021 15:36:01

Band4-20MHz-QPSK-20050-1RB#0



Band4-20MHz-QPSK-20050-100RB#0



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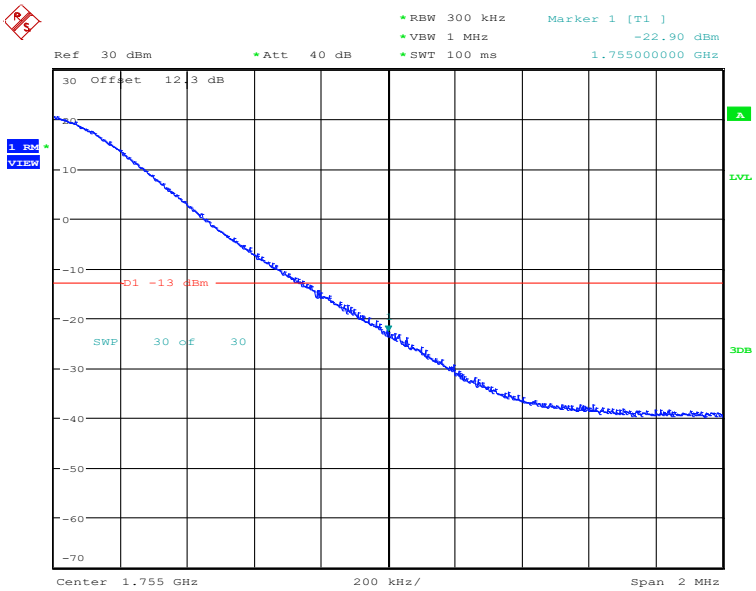

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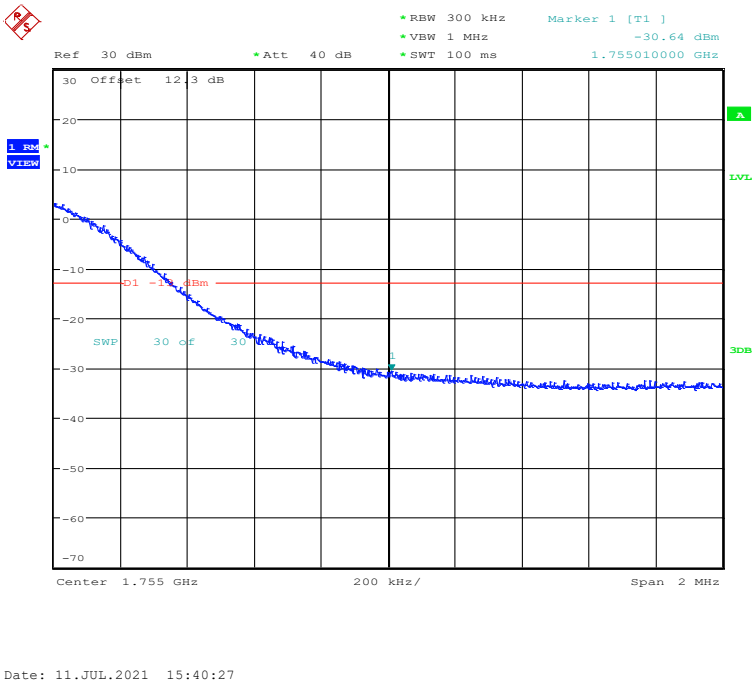
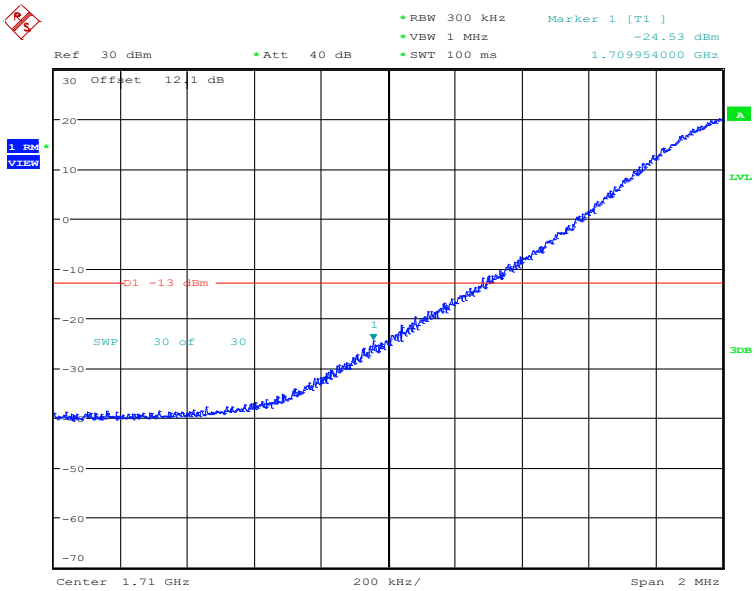


Band4-20MHz-16QAM-20050-1RB#0



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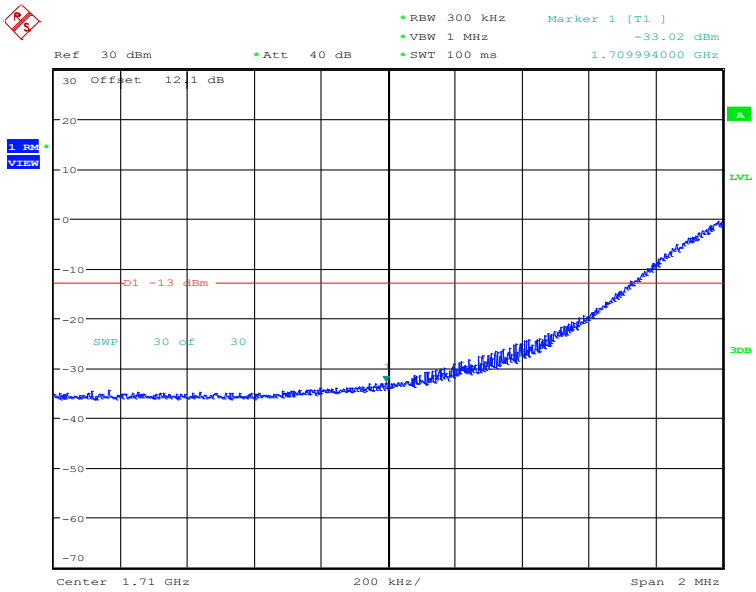
Band4-20MHz-16QAM-20050-100RB#0



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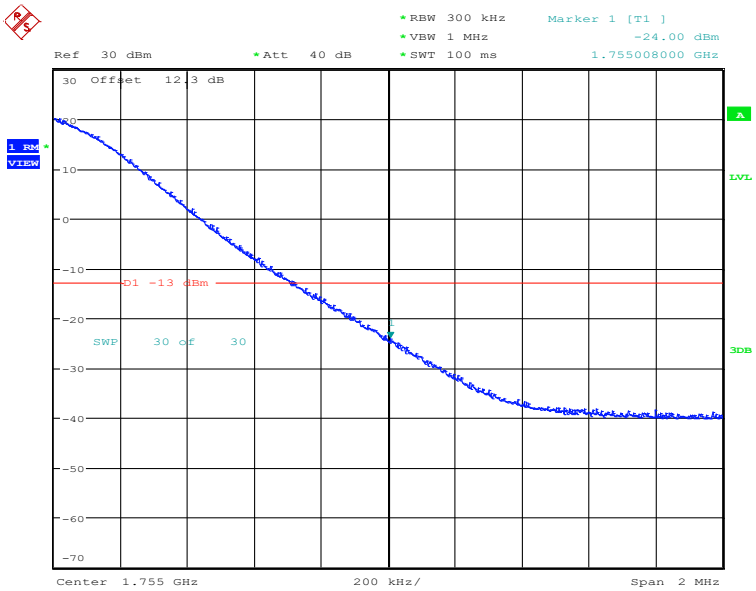

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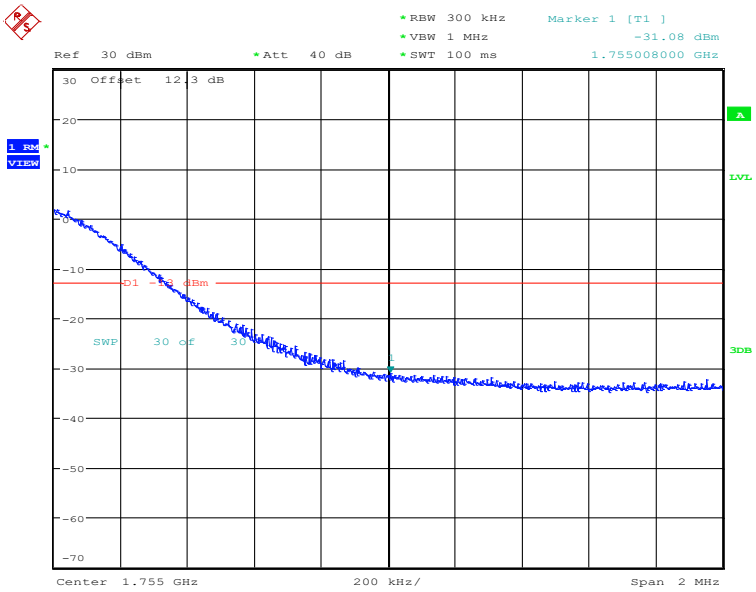
Band4-20MHz-16QAM-20300-100RB#0



Date: 11.JUL.2021 15:40:45

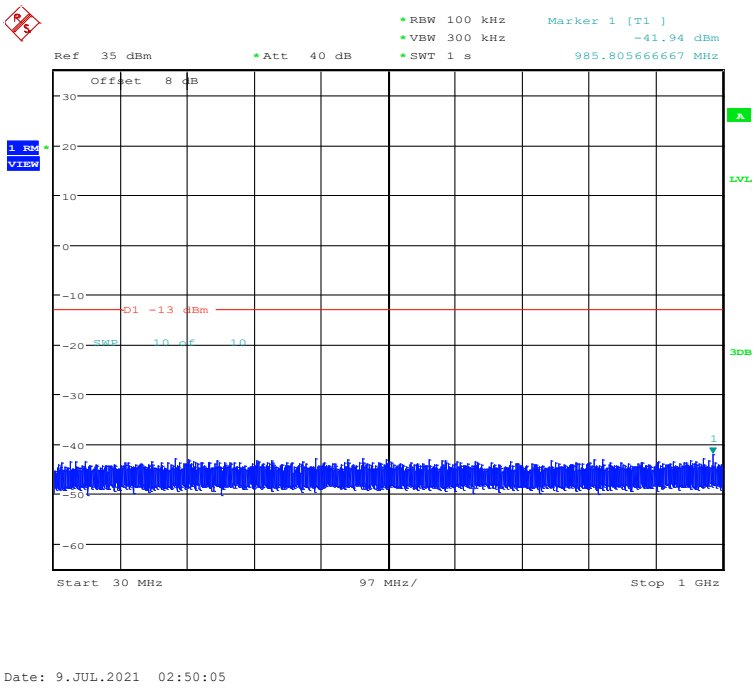
Appendix E: Conducted Spurious Emission

Test Result

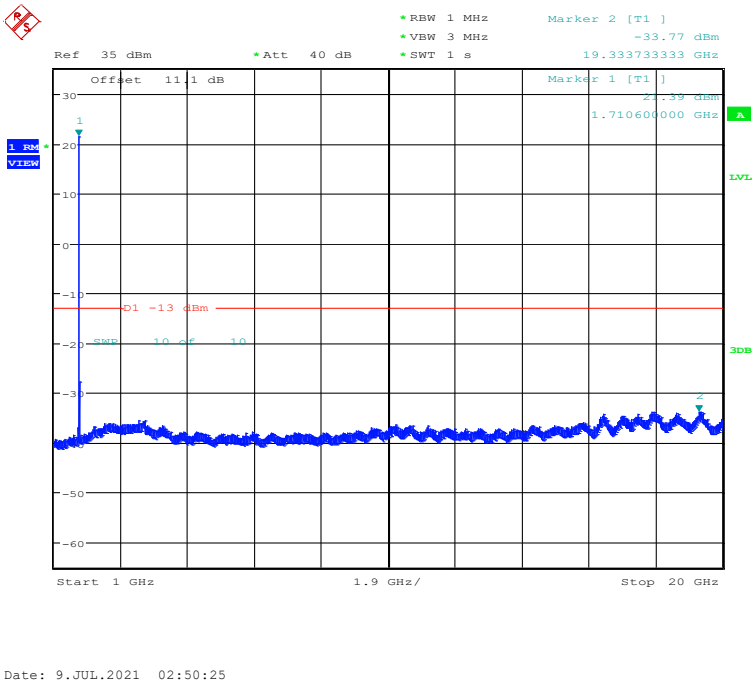
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-41.94	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000MHz	-33.77	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-42.5	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-33.67	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-42.56	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000MHz	-33.98	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-41.95	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000MHz	-33.41	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-42.29	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-33.34	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-42.59	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000MHz	-33.56	PASS

Test Graphs

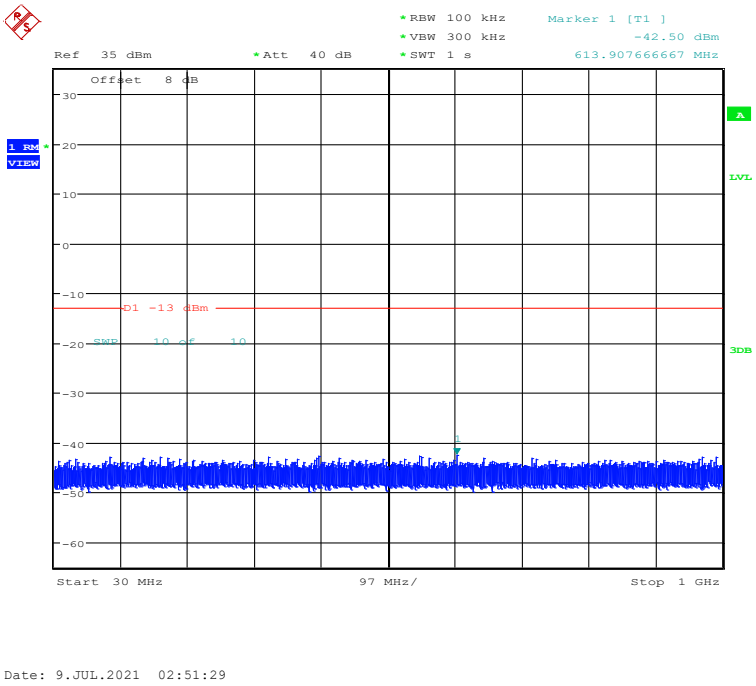
Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz



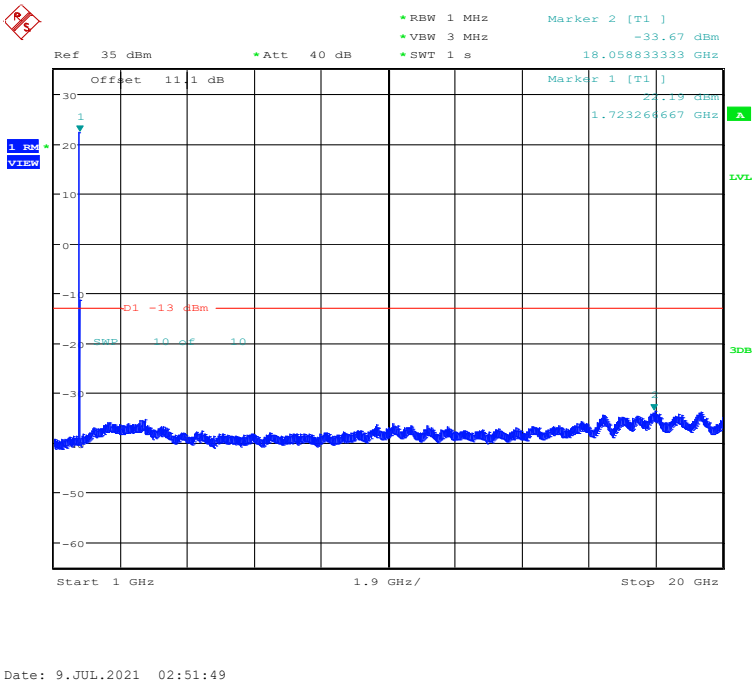
Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



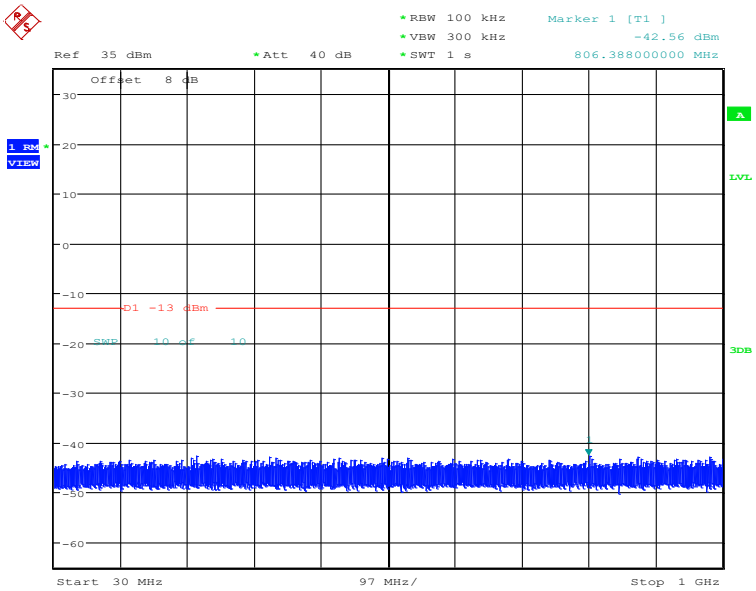
Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz

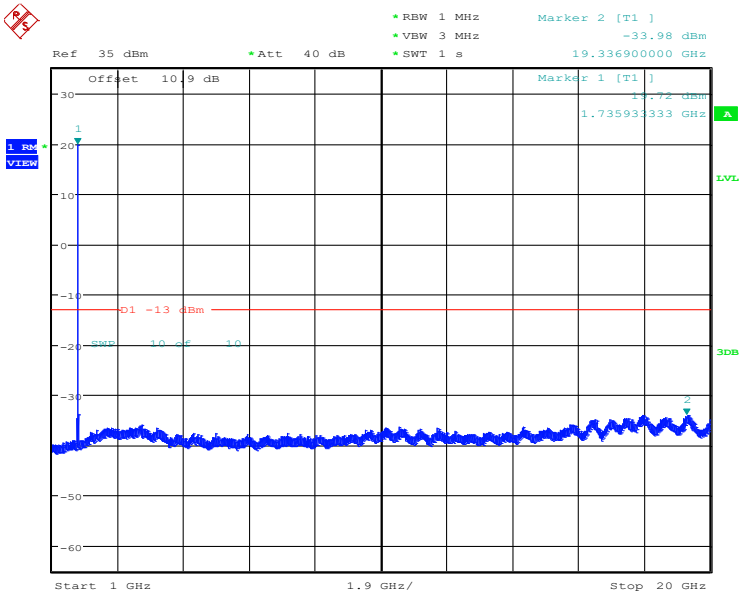


Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



Date: 9.JUL.2021 02:52:53

Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



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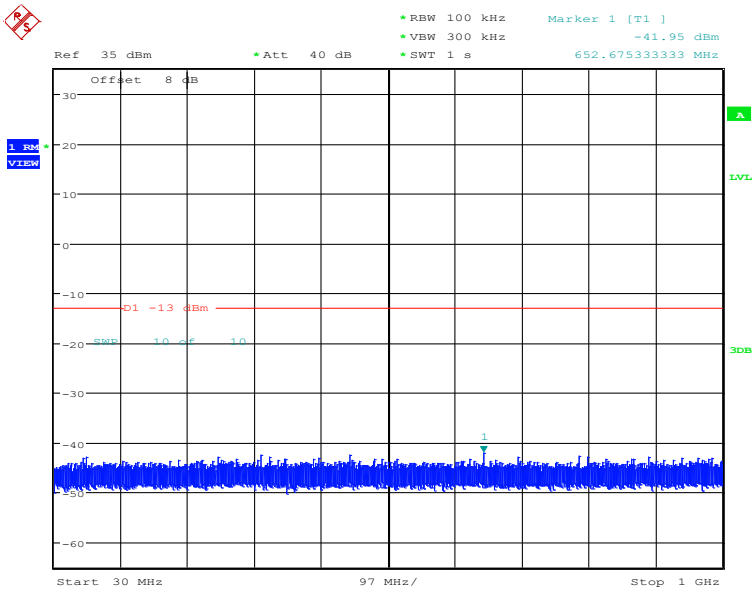
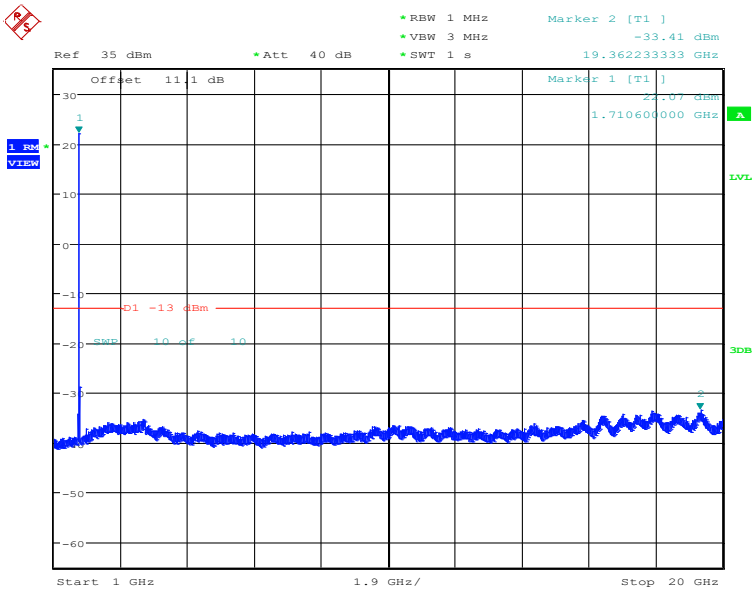
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



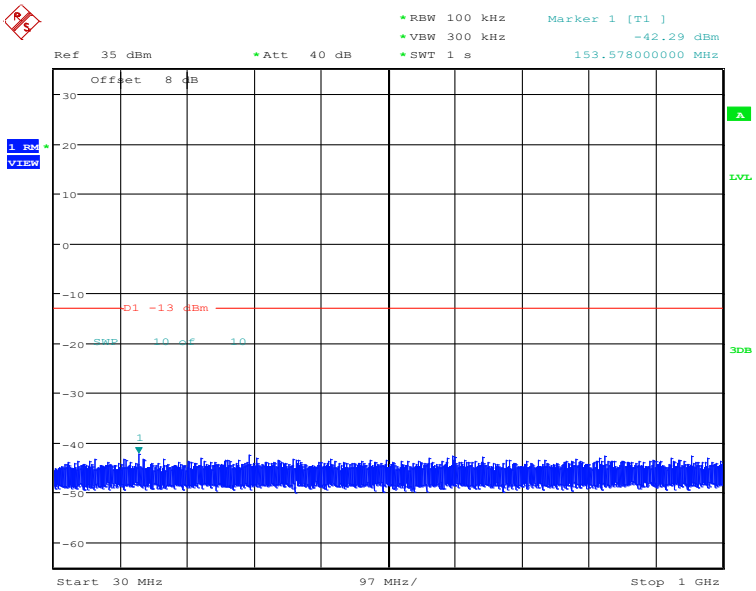
Date: 9.JUL.2021 02:50:47

Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



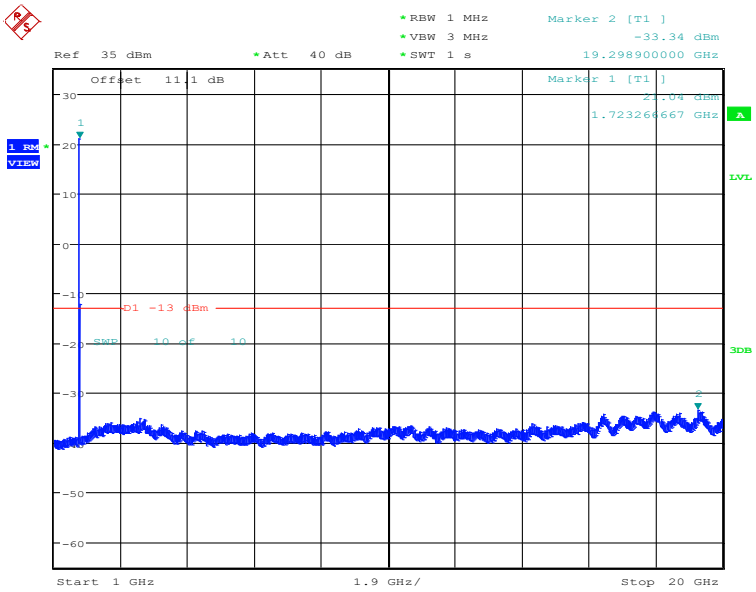
Date: 9.JUL.2021 02:51:06

Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



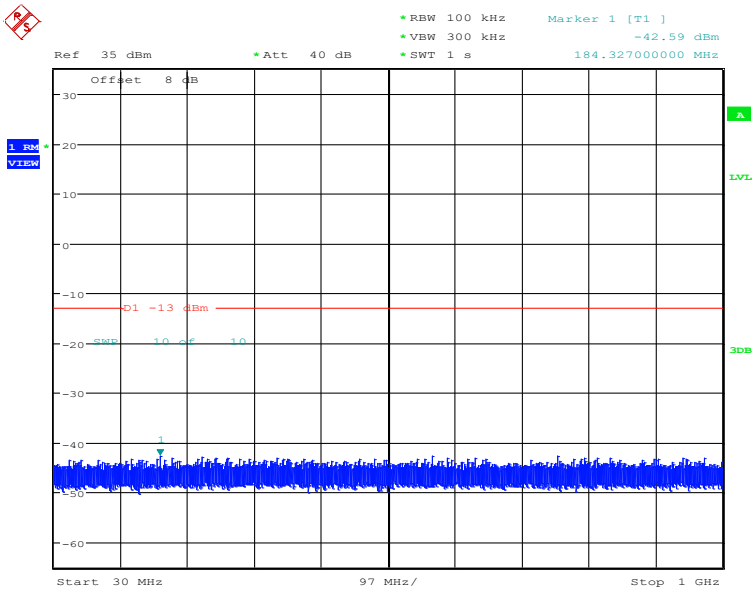
Date: 9.JUL.2021 02:52:11

Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



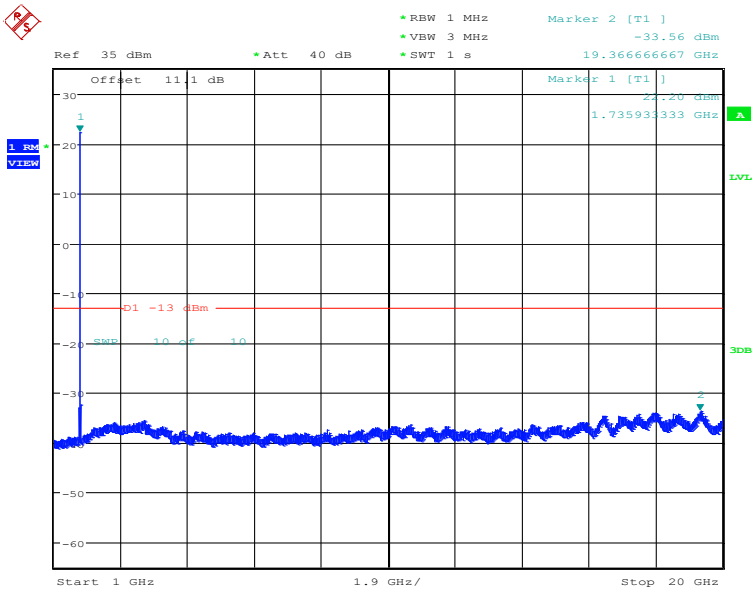
Date: 9.JUL.2021 02:52:30

Band4-20MHz-16QAM-20300-1RB#0-Range1:30~1000MHz



Date: 9.JUL.2021 02:53:34

Band4-20MHz-16QAM-20300-1RB#0-Range2:1000~20000MHz



Date: 9.JUL.2021 02:53:54

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	5.15	0.002994	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	6.78	0.003942	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	7.51	0.004366	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-4.01	-0.002315	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	-6.21	-0.003584	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	-2.83	-0.001633	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-7.78	-0.004458	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-9.01	-0.005163	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-6.92	-0.003966	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	3.63	0.002110	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	4.86	0.002826	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	6.07	0.003529	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	-6.28	-0.003625	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	-4.12	-0.002378	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	5.74	0.003313	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-8.11	-0.004648	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-6.41	-0.003673	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-6.35	-0.003639	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	5.04	0.002930	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	7.75	0.004506	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	-4.69	-0.002727	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	8.44	0.004907	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	4.96	0.002884	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	5.64	0.003279	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	5.11	0.002971	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	4.51	0.002622	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	4.72	0.002744	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	3.49	0.002014	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	-4.35	-0.002511	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	-6.18	-0.003567	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	-2.40	-0.001385	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	-4.51	-0.002603	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	-4.06	-0.002343	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	3.98	0.002297	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	6.29	0.003631	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	5.79	0.003342	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-8.48	-0.004860	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-6.38	-0.003656	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-5.62	-0.003221	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-6.55	-0.003754	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-6.54	-0.003748	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-5.38	-0.003083	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-6.98	-0.004000	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-7.74	-0.004436	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-4.39	-0.002516	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	5.14	0.002988	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	4.13	0.002401	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	5.41	0.003145	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	6.90	0.004012	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	3.73	0.002169	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	7.82	0.004547	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	2.82	0.001640	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	3.38	0.001965	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	3.98	0.002314	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	2.22	0.001281	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	5.51	0.003180	±2.5	PASS

Band4	20MHz	16QAM	20175	100RB#0	NV	-10	5.44	0.003140	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	-3.81	-0.002199	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-5.38	-0.003105	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	-3.63	-0.002095	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	3.30	0.001905	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	4.66	0.002690	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	-3.32	-0.001916	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-4.95	-0.002837	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-5.41	-0.003100	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-5.69	-0.003261	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-4.38	-0.002510	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-5.95	-0.003410	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-8.27	-0.004739	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	30	-7.51	-0.004304	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-5.35	-0.003066	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-8.65	-0.004957	±2.5	PASS

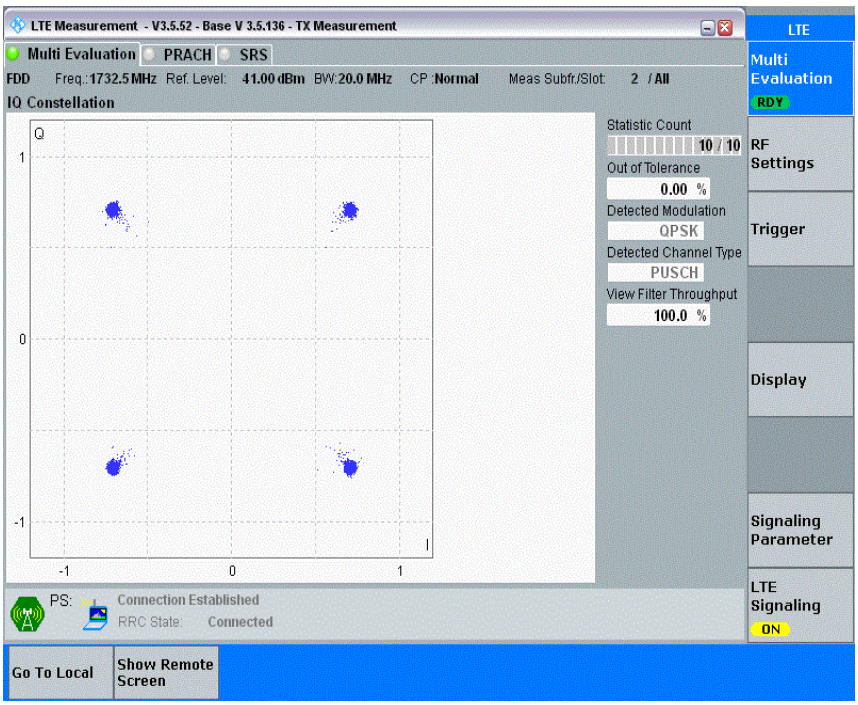
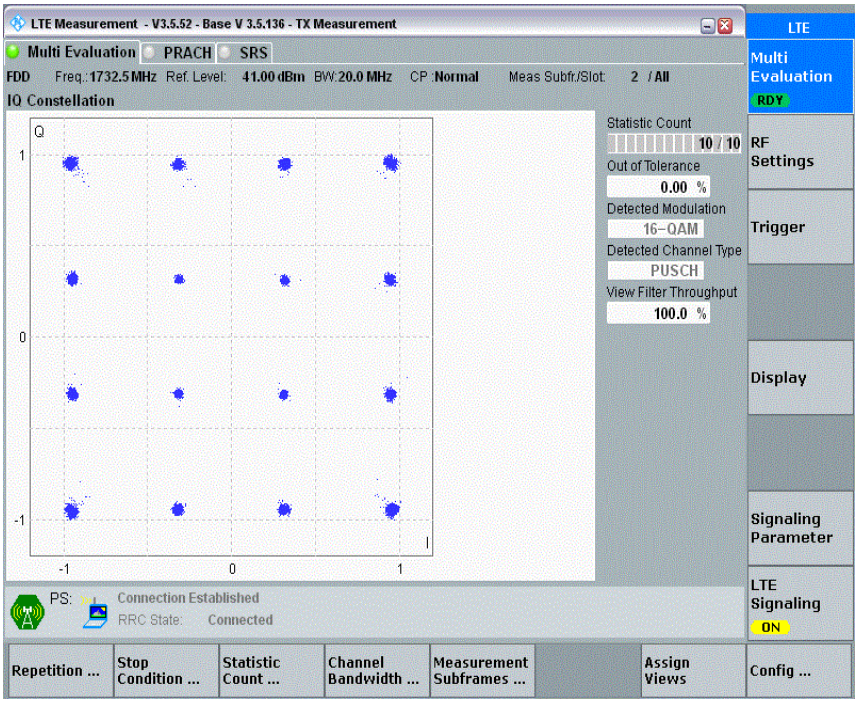
Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band4	20MHz	QPSK	20175	100RB#0	PASS	PASS
Band4	20MHz	16QAM	20175	100RB#0	PASS	PASS

Test Graphs

Band4-20MHz-QPSK-20175-100RB#0



Band4-20MHz-16QAM-20175-100RB#0