

Appendix-A LTE Cat M1 Band 25

Effective (Isotropic) Radiated Power Output Data for M1

Test Result

Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NBIndex	Power (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band25	1.4MHz	QPSK	26047	1	0	Low	21.08	24.08	33.00	PASS
Band25	1.4MHz	QPSK	26047	1	5	Low	20.84	23.84	33.00	PASS
Band25	1.4MHz	QPSK	26047	6	0	Low	18.98	21.98	33.00	PASS
Band25	1.4MHz	QPSK	26365	1	0	Low	20.95	23.95	33.00	PASS
Band25	1.4MHz	QPSK	26365	1	5	Low	20.82	23.82	33.00	PASS
Band25	1.4MHz	QPSK	26365	6	0	Low	18.94	21.94	33.00	PASS
Band25	1.4MHz	QPSK	26683	1	0	High	21.32	24.32	33.00	PASS
Band25	1.4MHz	QPSK	26683	1	5	High	21.11	24.11	33.00	PASS
Band25	1.4MHz	QPSK	26683	6	0	High	19.24	22.24	33.00	PASS
Band25	3MHz	QPSK	26055	1	0	Low	20.9	23.9	33.00	PASS
Band25	3MHz	QPSK	26055	1	5	Low	20.75	23.75	33.00	PASS
Band25	3MHz	QPSK	26055	6	0	Low	19.04	22.04	33.00	PASS
Band25	3MHz	QPSK	26365	1	0	Low	20.98	23.98	33.00	PASS
Band25	3MHz	QPSK	26365	1	5	Low	20.79	23.79	33.00	PASS
Band25	3MHz	QPSK	26365	6	0	Low	18.93	21.93	33.00	PASS
Band25	3MHz	QPSK	26675	1	0	High	21.41	24.41	33.00	PASS
Band25	3MHz	QPSK	26675	1	5	High	21.17	24.17	33.00	PASS
Band25	3MHz	QPSK	26675	6	0	High	19.28	22.28	33.00	PASS
Band25	5MHz	QPSK	26065	1	0	Low	20.92	23.92	33.00	PASS
Band25	5MHz	QPSK	26065	1	5	Low	20.61	23.61	33.00	PASS
Band25	5MHz	QPSK	26065	6	0	Low	19.87	22.87	33.00	PASS
Band25	5MHz	QPSK	26365	1	0	Low	20.95	23.95	33.00	PASS
Band25	5MHz	QPSK	26365	1	5	Low	20.61	23.61	33.00	PASS
Band25	5MHz	QPSK	26365	6	0	Low	19.8	22.8	33.00	PASS
Band25	5MHz	QPSK	26665	1	0	High	21.56	24.56	33.00	PASS
Band25	5MHz	QPSK	26665	1	5	High	21.05	24.05	33.00	PASS
Band25	5MHz	QPSK	26665	6	0	High	20.1	23.1	33.00	PASS
Band25	10MHz	QPSK	26090	1	0	Low	20.83	23.83	33.00	PASS
Band25	10MHz	QPSK	26090	1	5	Low	20.67	23.67	33.00	PASS
Band25	10MHz	QPSK	26090	6	0	Low	19.81	22.81	33.00	PASS
Band25	10MHz	QPSK	26365	1	0	Low	20.87	23.87	33.00	PASS
Band25	10MHz	QPSK	26365	1	5	Low	20.64	23.64	33.00	PASS
Band25	10MHz	QPSK	26365	6	0	Low	19.84	22.84	33.00	PASS
Band25	10MHz	QPSK	26640	1	0	High	21.52	24.52	33.00	PASS
Band25	10MHz	QPSK	26640	1	5	High	21.02	24.02	33.00	PASS
Band25	10MHz	QPSK	26640	6	0	High	20.09	23.09	33.00	PASS
Band25	15MHz	QPSK	26115	1	0	Low	20.8	23.8	33.00	PASS

Band25	15MHz	QPSK	26115	1	5	Low	20.5	23.5	33.00	PASS
Band25	15MHz	QPSK	26115	6	0	Low	20.71	23.71	33.00	PASS
Band25	15MHz	QPSK	26365	1	0	Low	20.87	23.87	33.00	PASS
Band25	15MHz	QPSK	26365	1	5	Low	20.62	23.62	33.00	PASS
Band25	15MHz	QPSK	26365	6	0	Low	20.83	23.83	33.00	PASS
Band25	15MHz	QPSK	26615	1	0	High	21.55	24.55	33.00	PASS
Band25	15MHz	QPSK	26615	1	5	High	21.09	24.09	33.00	PASS
Band25	15MHz	QPSK	26615	6	0	High	21.13	24.13	33.00	PASS
Band25	20MHz	QPSK	26140	1	0	Low	20.75	23.75	33.00	PASS
Band25	20MHz	QPSK	26140	1	5	Low	20.56	23.56	33.00	PASS
Band25	20MHz	QPSK	26140	6	0	Low	20.82	23.82	33.00	PASS
Band25	20MHz	QPSK	26365	1	0	Low	20.72	23.72	33.00	PASS
Band25	20MHz	QPSK	26365	1	5	Low	20.52	23.52	33.00	PASS
Band25	20MHz	QPSK	26365	6	0	Low	20.75	23.75	33.00	PASS
Band25	20MHz	QPSK	26590	1	0	High	21.61	24.61	33.00	PASS
Band25	20MHz	QPSK	26590	1	5	High	21.08	24.08	33.00	PASS
Band25	20MHz	QPSK	26590	6	0	High	21.13	24.13	33.00	PASS
Band25	1.4MHz	16QAM	26047	1	0	Low	20.04	23.04	33.00	PASS
Band25	1.4MHz	16QAM	26047	1	5	Low	20	23	33.00	PASS
Band25	1.4MHz	16QAM	26047	5	0	Low	19.23	22.23	33.00	PASS
Band25	1.4MHz	16QAM	26365	1	0	Low	20.1	23.1	33.00	PASS
Band25	1.4MHz	16QAM	26365	1	5	Low	19.95	22.95	33.00	PASS
Band25	1.4MHz	16QAM	26365	5	0	Low	19.2	22.2	33.00	PASS
Band25	1.4MHz	16QAM	26683	1	0	High	20.49	23.49	33.00	PASS
Band25	1.4MHz	16QAM	26683	1	5	High	20.34	23.34	33.00	PASS
Band25	1.4MHz	16QAM	26683	5	0	High	19.47	22.47	33.00	PASS
Band25	3MHz	16QAM	26055	1	0	Low	20.17	23.17	33.00	PASS
Band25	3MHz	16QAM	26055	1	5	Low	19.98	22.98	33.00	PASS
Band25	3MHz	16QAM	26055	5	0	Low	19.27	22.27	33.00	PASS
Band25	3MHz	16QAM	26365	1	0	Low	19.97	22.97	33.00	PASS
Band25	3MHz	16QAM	26365	1	5	Low	19.97	22.97	33.00	PASS
Band25	3MHz	16QAM	26365	5	0	Low	19.2	22.2	33.00	PASS
Band25	3MHz	16QAM	26675	1	0	High	20.39	23.39	33.00	PASS
Band25	3MHz	16QAM	26675	1	5	High	20.68	23.68	33.00	PASS
Band25	3MHz	16QAM	26675	5	0	High	19.8	22.8	33.00	PASS
Band25	5MHz	16QAM	26065	1	0	Low	20.52	23.52	33.00	PASS
Band25	5MHz	16QAM	26065	1	5	Low	20.36	23.36	33.00	PASS
Band25	5MHz	16QAM	26065	5	0	Low	19.45	22.45	33.00	PASS
Band25	5MHz	16QAM	26365	1	0	Low	21.06	24.06	33.00	PASS
Band25	5MHz	16QAM	26365	1	5	Low	20.41	23.41	33.00	PASS
Band25	5MHz	16QAM	26365	5	0	Low	19.44	22.44	33.00	PASS
Band25	5MHz	16QAM	26665	1	0	High	21.58	24.58	33.00	PASS
Band25	5MHz	16QAM	26665	1	5	High	20.57	23.57	33.00	PASS
Band25	5MHz	16QAM	26665	5	0	High	19.7	22.7	33.00	PASS
Band25	10MHz	16QAM	26090	1	0	Low	20.64	23.64	33.00	PASS

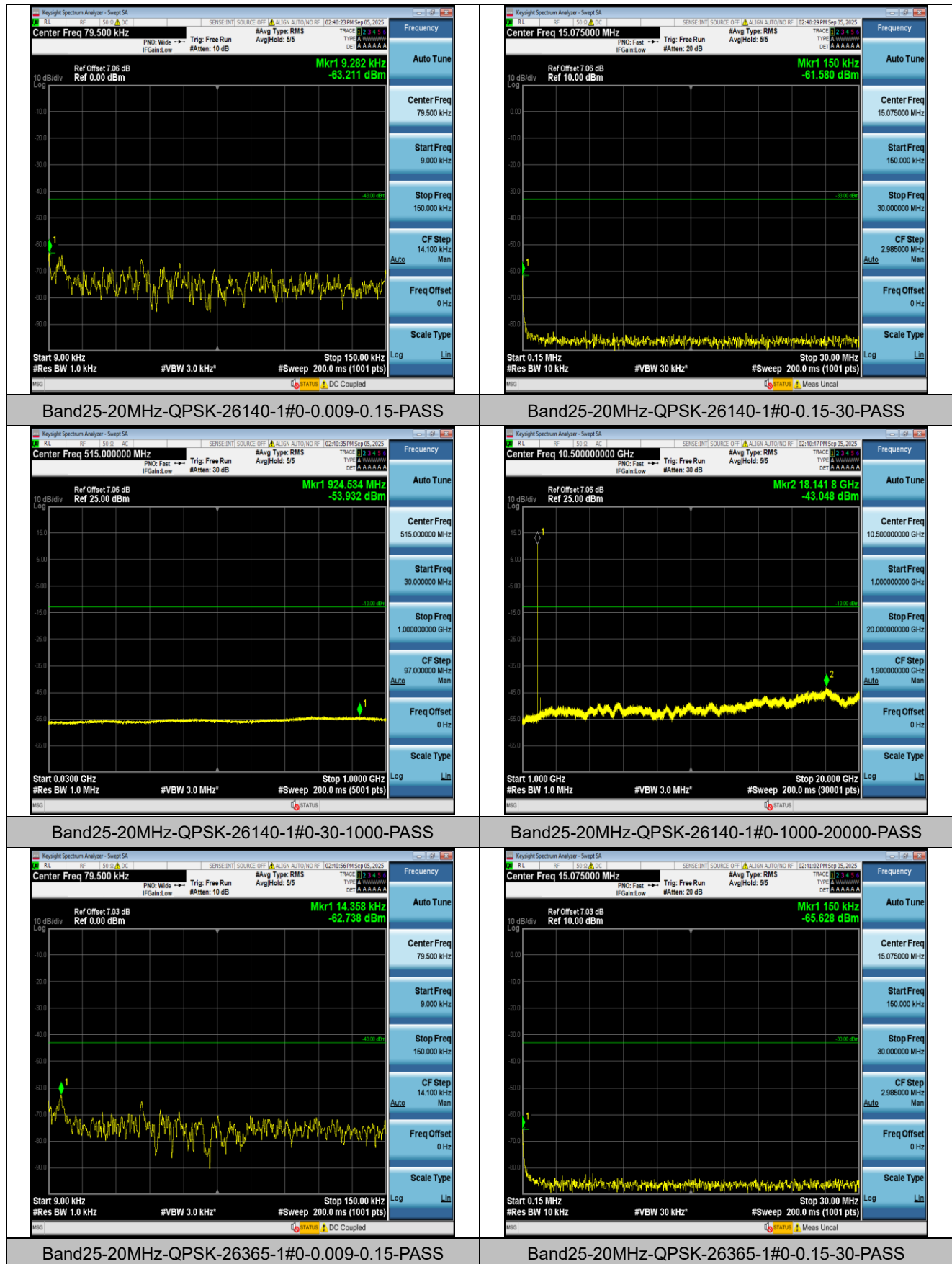
Band25	10MHz	16QAM	26090	1	5	Low	20.3	23.3	33.00	PASS
Band25	10MHz	16QAM	26090	5	0	Low	20.4	23.4	33.00	PASS
Band25	10MHz	16QAM	26365	1	0	Low	20.88	23.88	33.00	PASS
Band25	10MHz	16QAM	26365	1	5	Low	20.37	23.37	33.00	PASS
Band25	10MHz	16QAM	26365	5	0	Low	20.46	23.46	33.00	PASS
Band25	10MHz	16QAM	26640	1	0	High	21.65	24.65	33.00	PASS
Band25	10MHz	16QAM	26640	1	5	High	20.59	23.59	33.00	PASS
Band25	10MHz	16QAM	26640	5	0	High	20.62	23.62	33.00	PASS
Band25	15MHz	16QAM	26115	1	0	Low	20.47	23.47	33.00	PASS
Band25	15MHz	16QAM	26115	1	5	Low	20.25	23.25	33.00	PASS
Band25	15MHz	16QAM	26115	5	0	Low	20.37	23.37	33.00	PASS
Band25	15MHz	16QAM	26365	1	0	Low	21.05	24.05	33.00	PASS
Band25	15MHz	16QAM	26365	1	5	Low	20.48	23.48	33.00	PASS
Band25	15MHz	16QAM	26365	5	0	Low	20.41	23.41	33.00	PASS
Band25	15MHz	16QAM	26615	1	0	High	21.6	24.6	33.00	PASS
Band25	15MHz	16QAM	26615	1	5	High	20.63	23.63	33.00	PASS
Band25	15MHz	16QAM	26615	5	0	High	20.66	23.66	33.00	PASS
Band25	20MHz	16QAM	26140	1	0	Low	20.76	23.76	33.00	PASS
Band25	20MHz	16QAM	26140	1	5	Low	20.26	23.26	33.00	PASS
Band25	20MHz	16QAM	26140	5	0	Low	20.41	23.41	33.00	PASS
Band25	20MHz	16QAM	26365	1	0	Low	20.99	23.99	33.00	PASS
Band25	20MHz	16QAM	26365	1	5	Low	20.35	23.35	33.00	PASS
Band25	20MHz	16QAM	26365	5	0	Low	20.45	23.45	33.00	PASS
Band25	20MHz	16QAM	26590	1	0	High	21.66	24.66	33.00	PASS
Band25	20MHz	16QAM	26590	1	5	High	20.53	23.53	33.00	PASS
Band25	20MHz	16QAM	26590	5	0	High	20.75	23.75	33.00	PASS

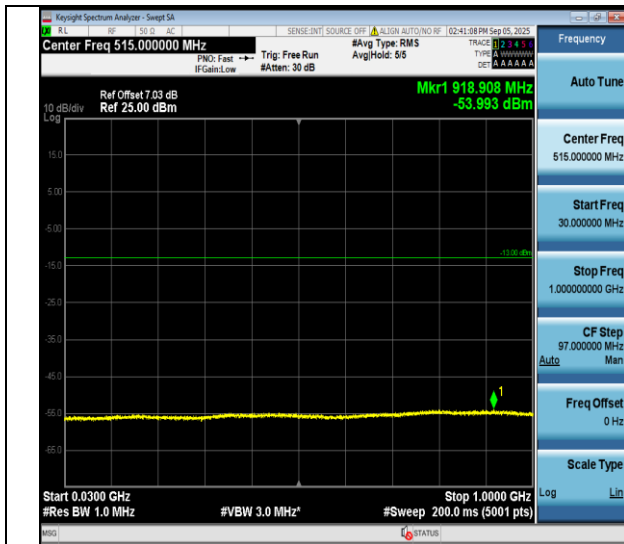
Conducted Spurious Emission for M1

Test Result

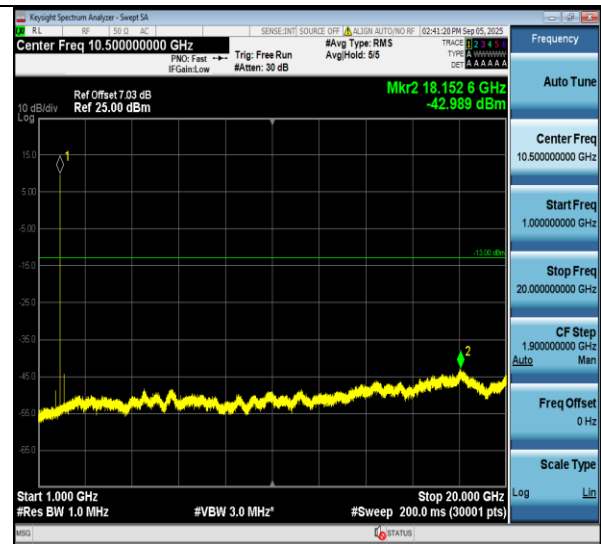
Band	Bandwidth	Modulation	Channel	RB Size	RB Start	NB Index	Start Freq	Stop Freq	Result (dBm)	Verdict
Band25	20MHz	26140	QPSK	1	0	Low	0.009	0.15	-63.21	PASS
Band25	20MHz	26140	QPSK	1	0	Low	0.15	30	-61.58	PASS
Band25	20MHz	26140	QPSK	1	0	Low	30	1000	-53.93	PASS
Band25	20MHz	26140	QPSK	1	0	Low	1000	20000	-43.05	PASS
Band25	20MHz	26365	QPSK	1	0	Low	0.009	0.15	-62.74	PASS
Band25	20MHz	26365	QPSK	1	0	Low	0.15	30	-65.63	PASS
Band25	20MHz	26365	QPSK	1	0	Low	30	1000	-53.99	PASS
Band25	20MHz	26365	QPSK	1	0	Low	1000	20000	-42.99	PASS
Band25	20MHz	26590	QPSK	1	0	High	0.009	0.15	-63.2	PASS
Band25	20MHz	26590	QPSK	1	0	High	0.15	30	-65.5	PASS
Band25	20MHz	26590	QPSK	1	0	High	30	1000	-53.98	PASS
Band25	20MHz	26590	QPSK	1	0	High	1000	20000	-42.75	PASS

Test Graphs

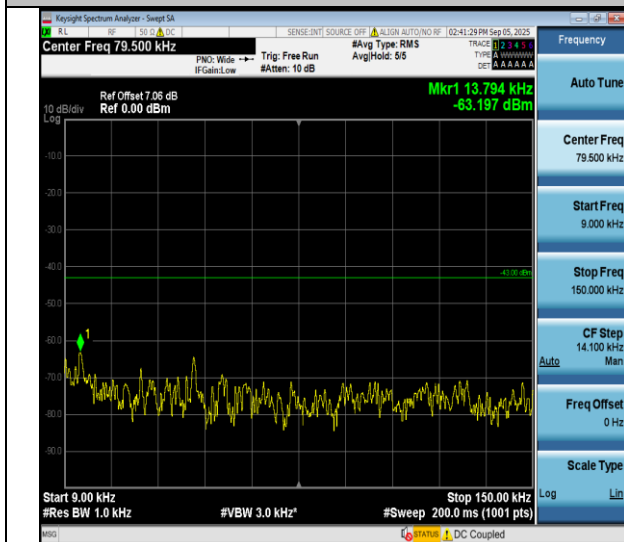




Band25-20MHz-QPSK-26365-1#0-30-1000-PASS



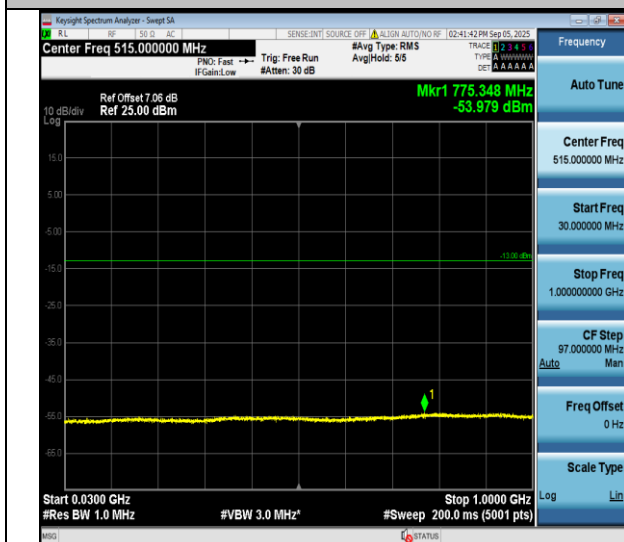
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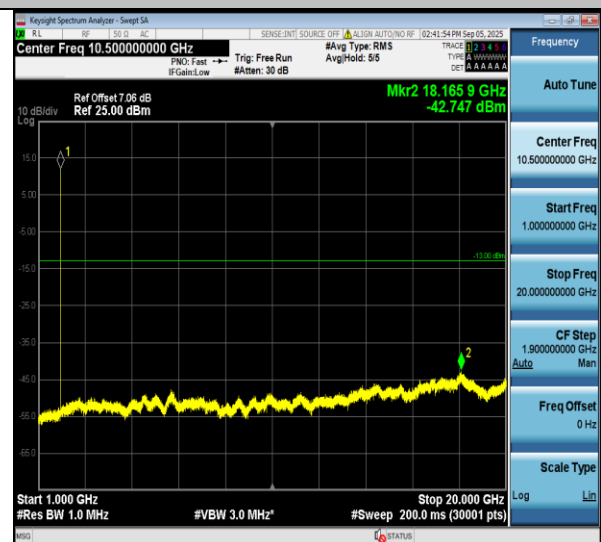
Band25-20MHz-QPSK-26590-1#0-0.009-0.15-PASS



Band25-20MHz-QPSK-26590-1#0-0.15-30-PASS



Band25-20MHz-QPSK-26590-1#0-30-1000-PASS



Band25-20MHz-QPSK-26590-1#0-1000-20000-PASS

~The End~