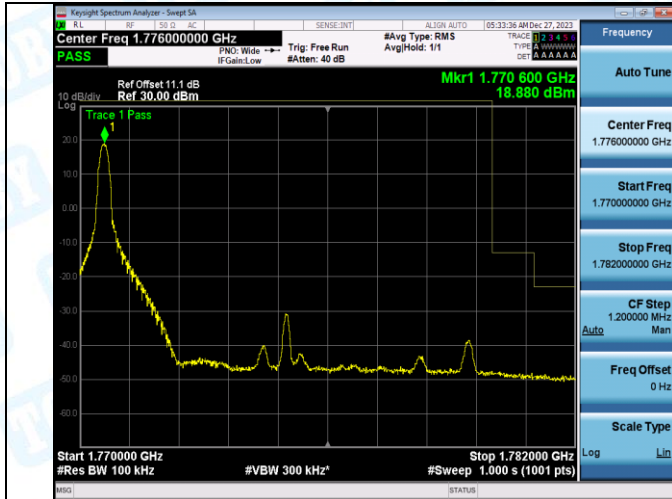
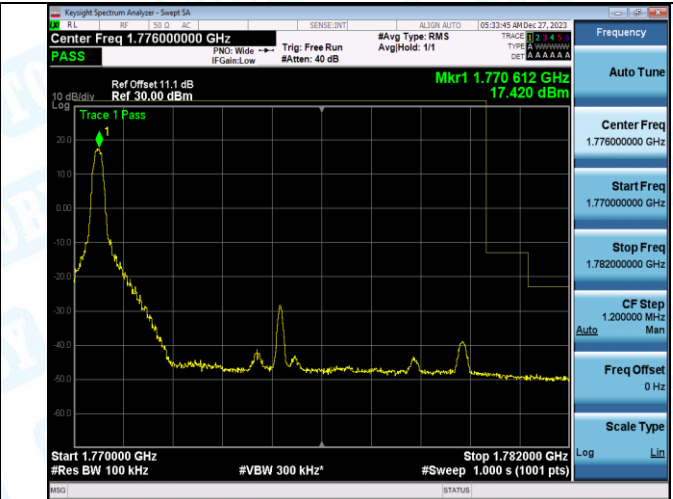
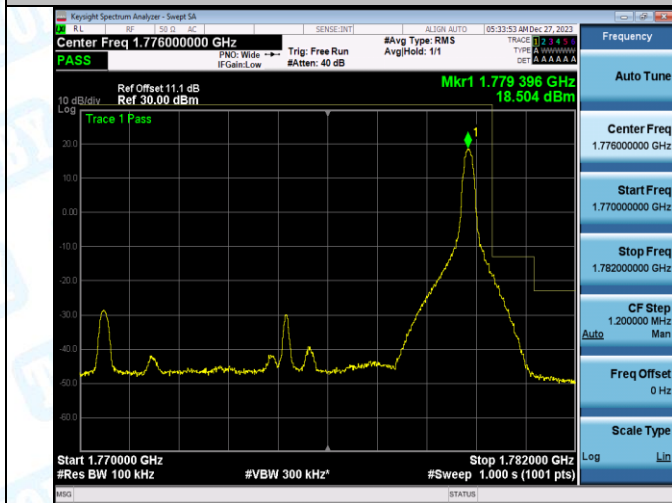




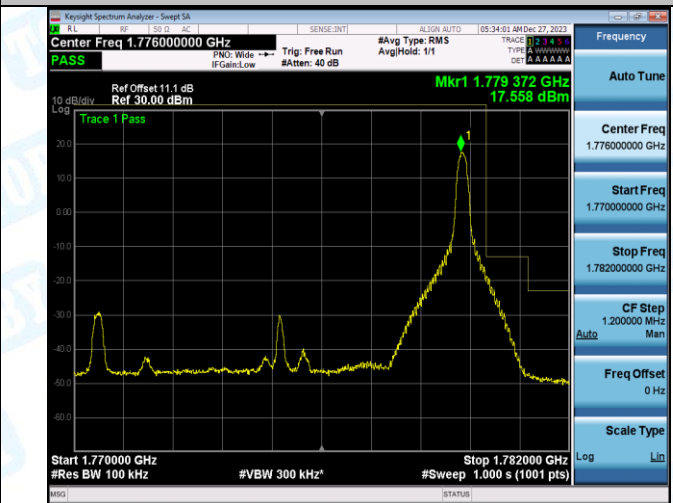
Band66_10MHz_QPSK_132622_1RB#49



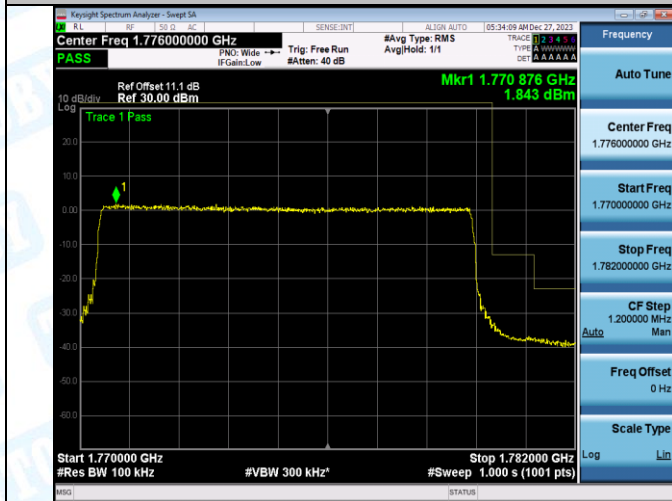
Band66_10MHz_16QAM_132622_1RB#49



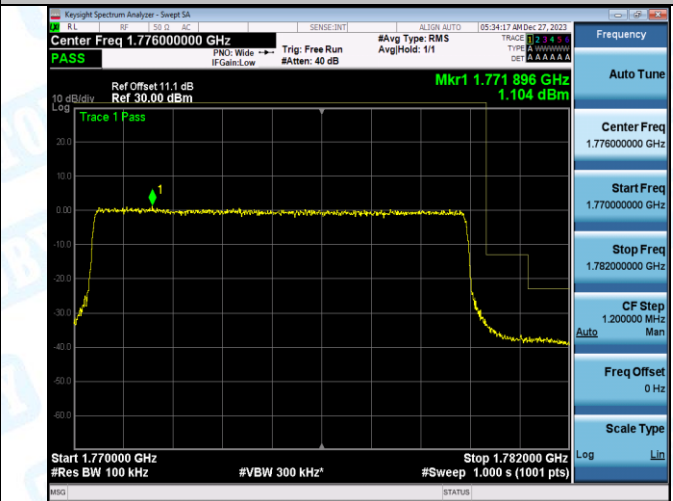
Band66_10MHz_QPSK_132622_50RB#0



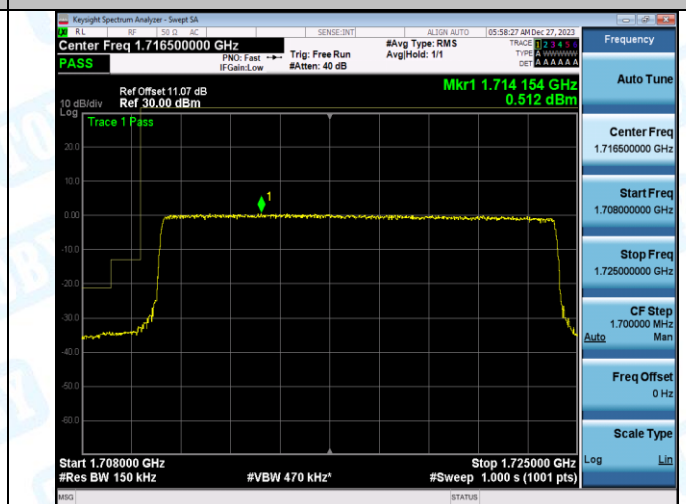
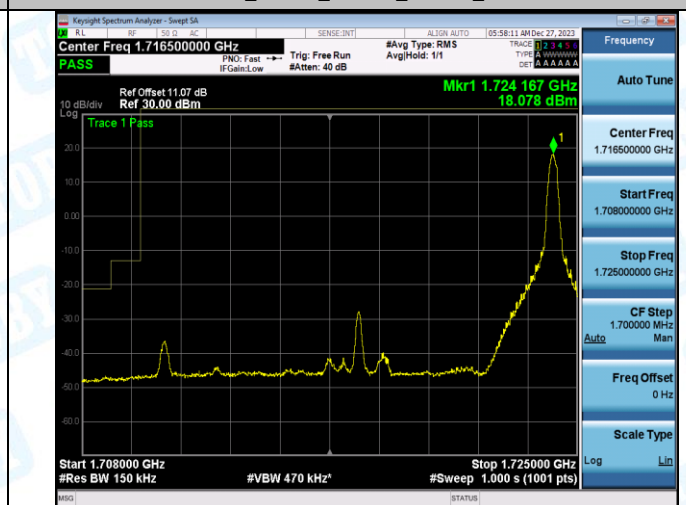
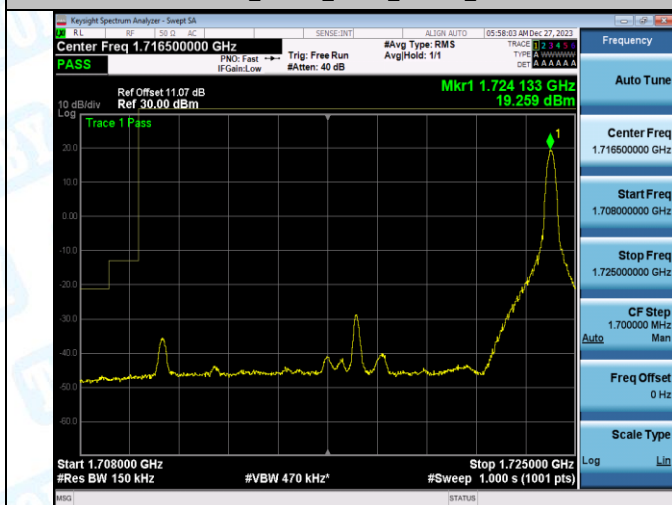
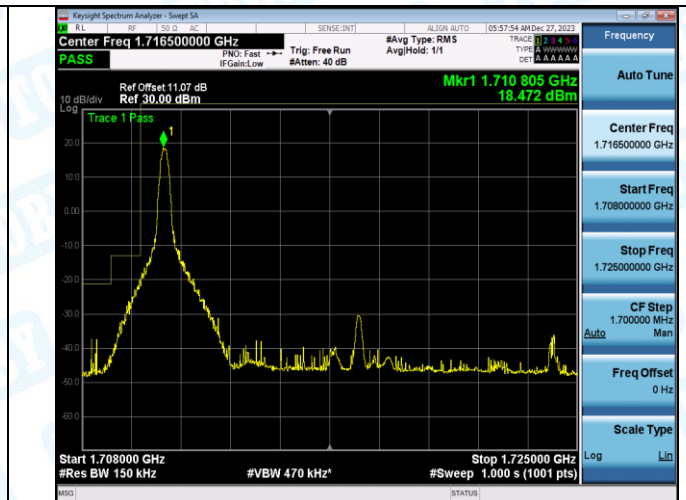
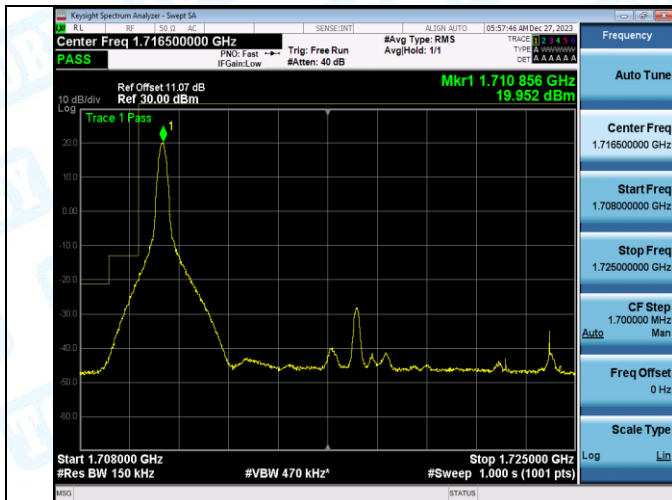
Band66_10MHz_16QAM_132622_50RB#0

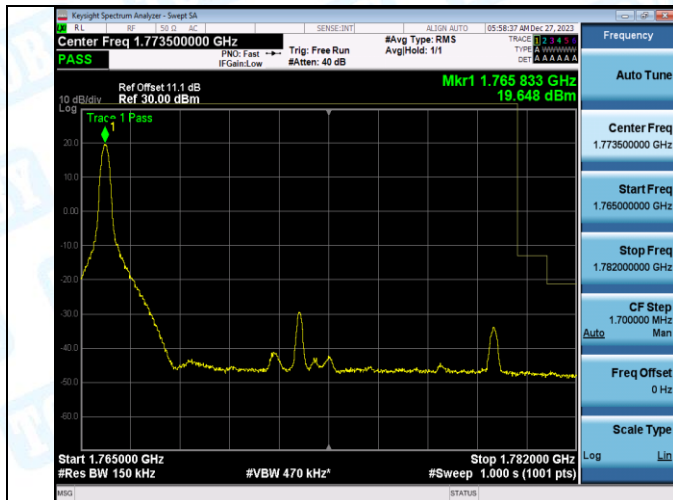


Band66_15MHz_QPSK_132047_1RB#0

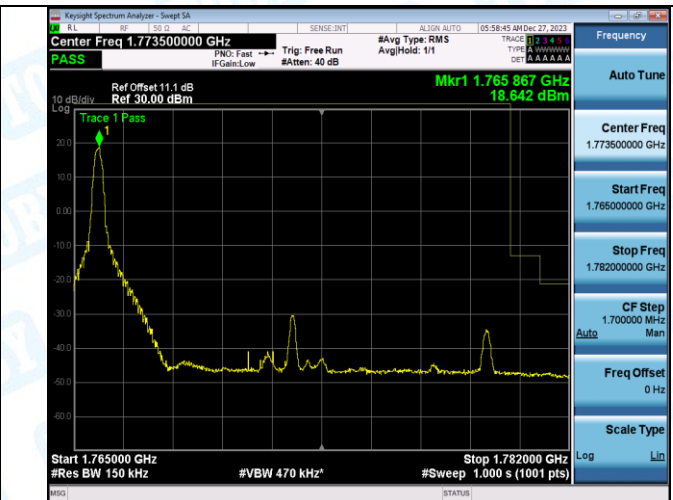


Band66_15MHz_16QAM_132047_1RB#0

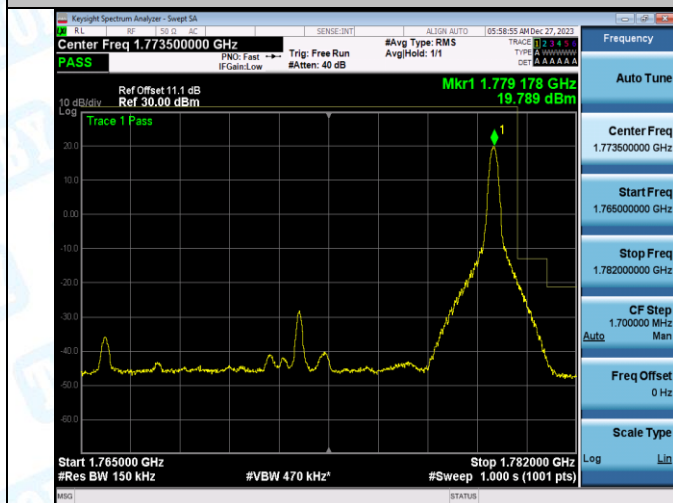




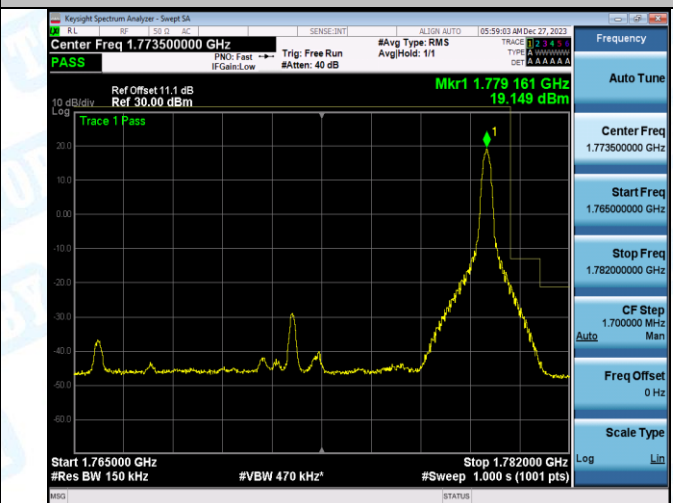
Band66_15MHz_QPSK_132597_1RB#74



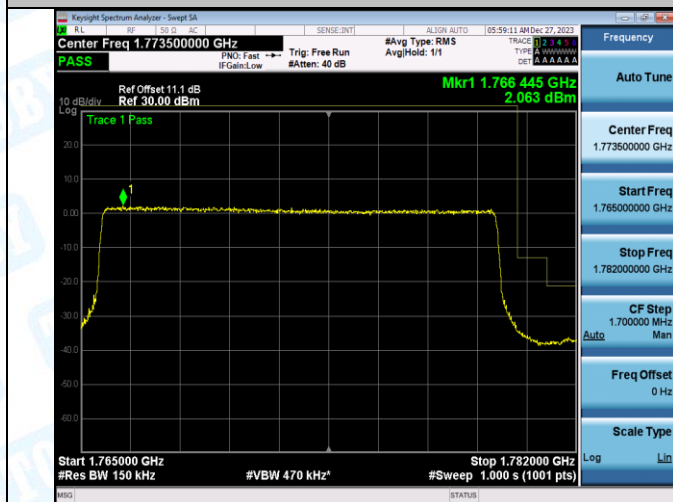
Band66_15MHz_16QAM_132597_1RB#74



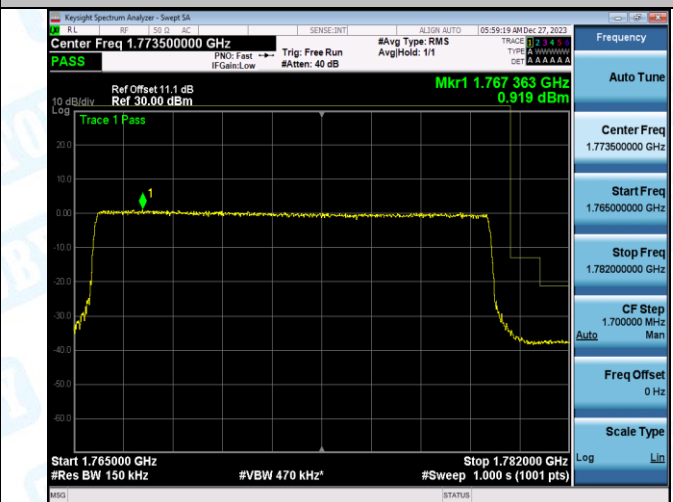
Band66_15MHz_QPSK_132597_75RB#0



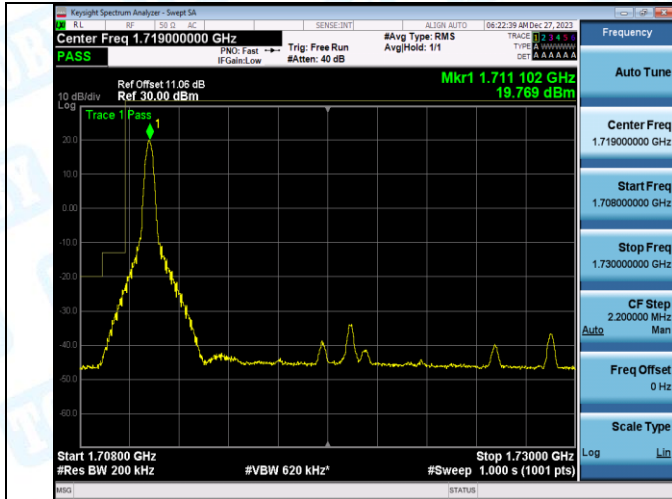
Band66_15MHz_16QAM_132597_75RB#0



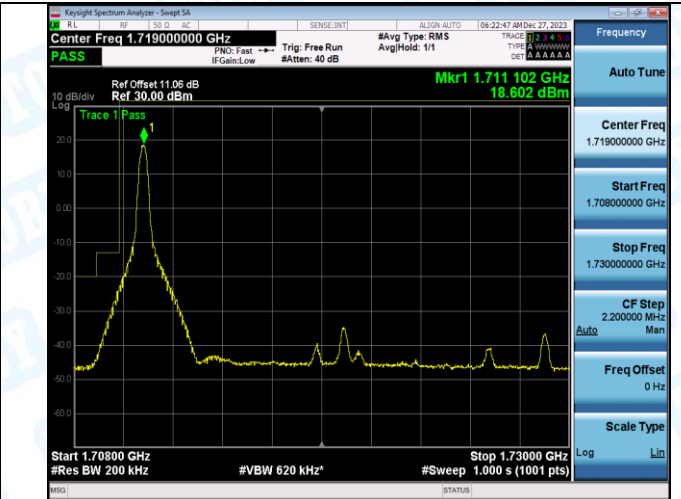
Band66_20MHz_QPSK_132072_1RB#0



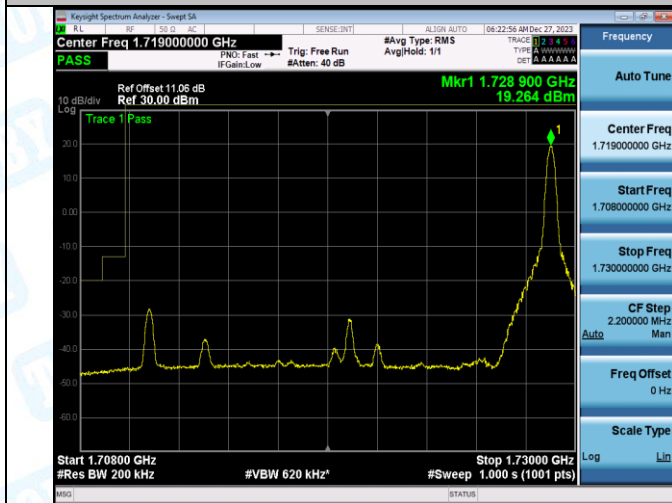
Band66_20MHz_16QAM_132072_1RB#0



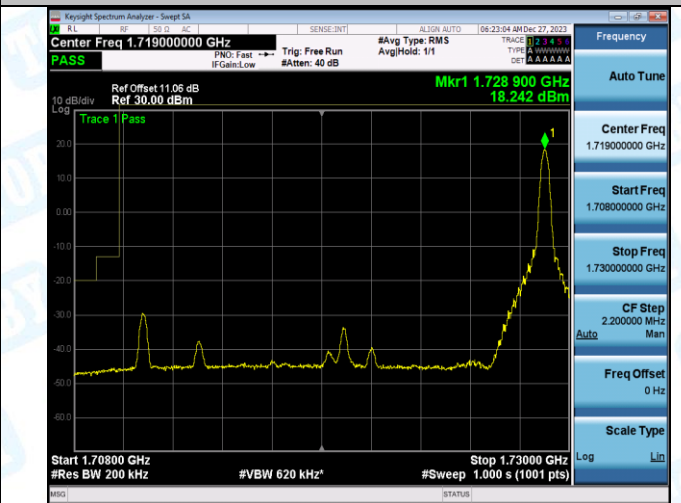
Band66_20MHz_QPSK_132072_1RB#99



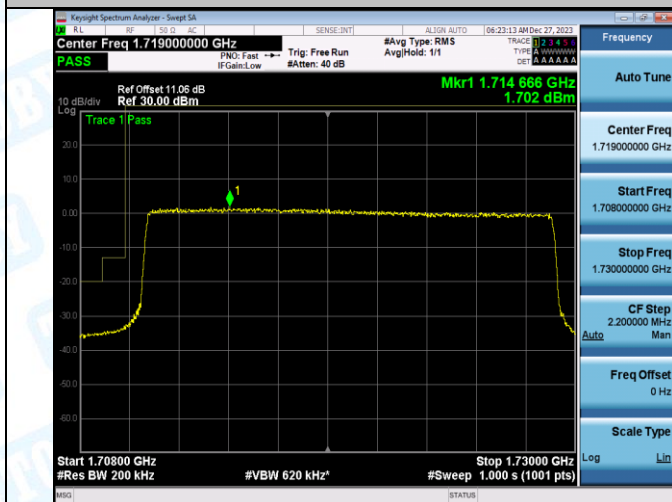
Band66_20MHz_16QAM_132072_1RB#99



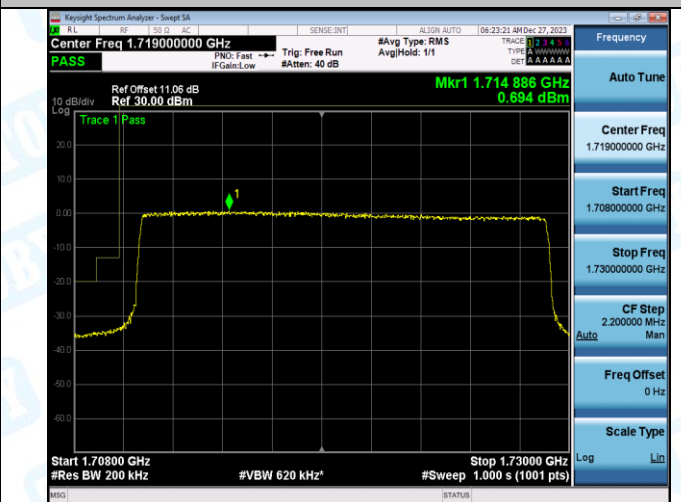
Band66_20MHz_QPSK_132072_100RB#0



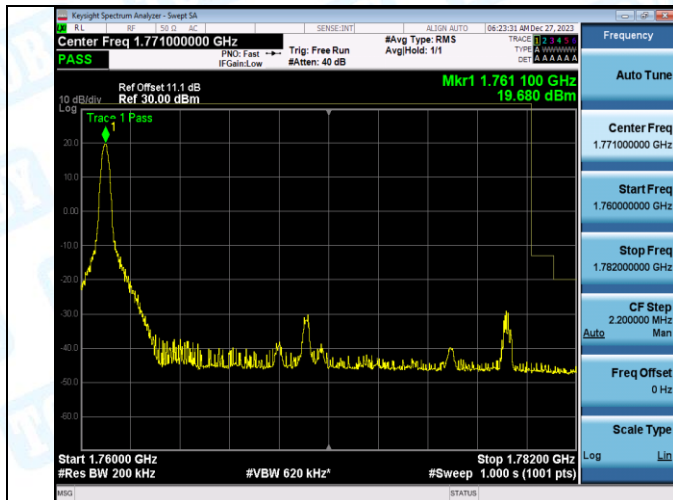
Band66_20MHz_16QAM_132072_100RB#0



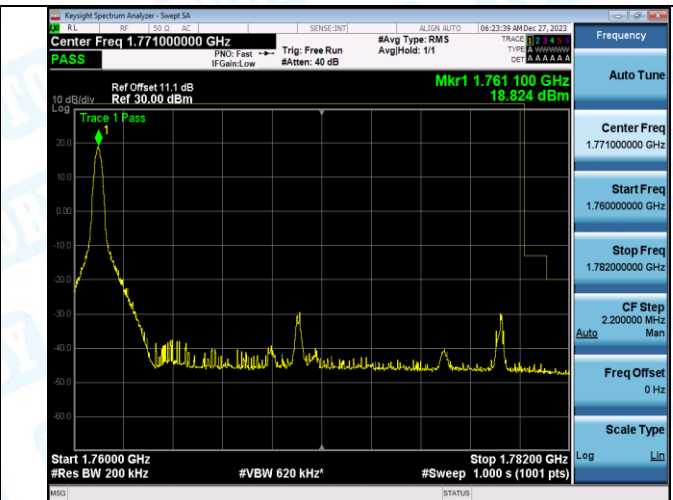
Band66_20MHz_QPSK_132572_1RB#0



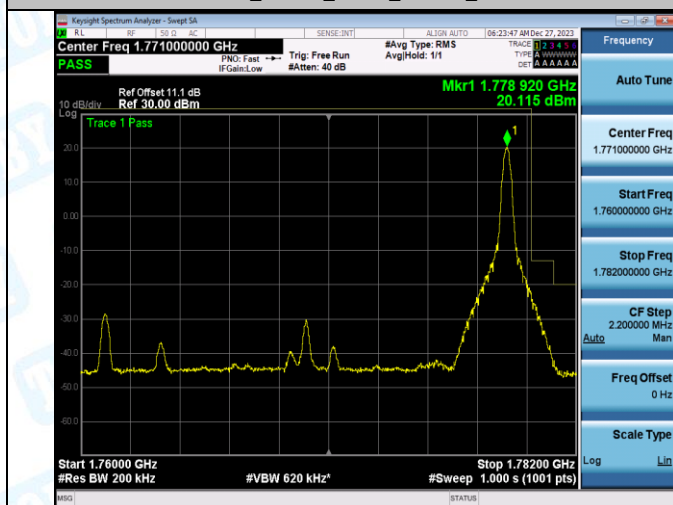
Band66_20MHz_16QAM_132572_1RB#0



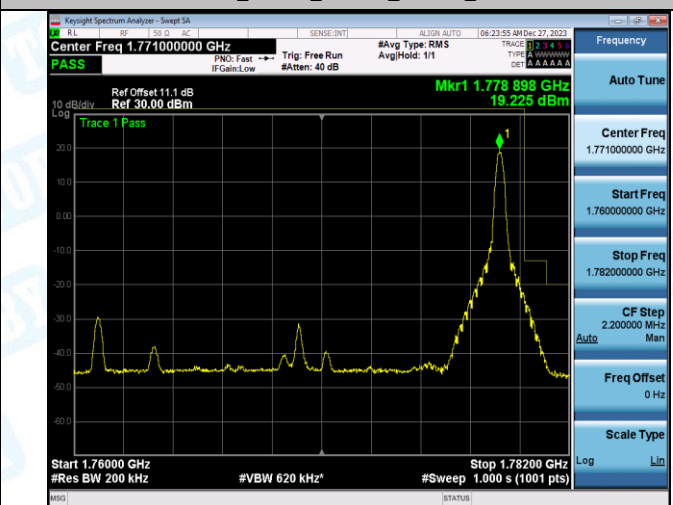
Band66_20MHz_QPSK_132572_1RB#99



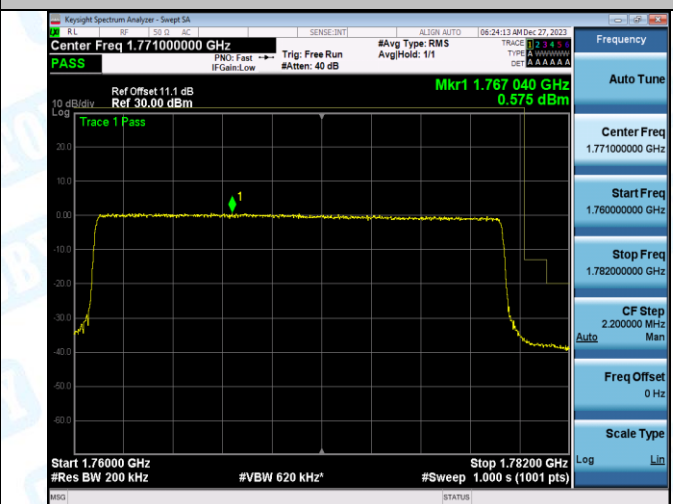
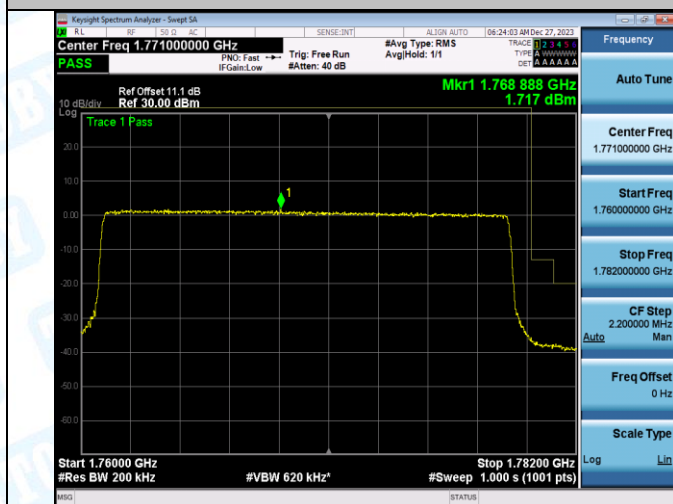
Band66_20MHz_16QAM_132572_1RB#99



Band66_20MHz_QPSK_132572_100RB#0



Band66_20MHz_16QAM_132572_100RB#0



5. Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Frequency	Value(dBm)	Limit (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	0.009~0.15	0.01	-46.60	-43.0	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	0.15~30	0.15	-51.99	-33.0	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	30~1000	898.64	-59.85	-23.0	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	1000~3000	1714.45	-38.43	-13.0	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	3000~20000	5130.95	-14.09	-13.0	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	0.009~0.15	0.01	-43.99	-43.0	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	0.15~30	0.15	-51.36	-33.0	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	30~1000	901.06	-59.71	-23.0	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	1000~3000	1715.15	-15.69	-13.0	PASS
Band66	1.4MHz	16QAM	131979	1RB#0	3000~20000	5130.95	-14.06	-13.0	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	0.009~0.15	0.01	-44.06	-43.0	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	0.15~30	0.15	-53.72	-33.0	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	30~1000	916.10	-59.72	-23.0	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	1000~3000	1748.70	-18.37	-13.0	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	3000~20000	5233.80	-14.81	-13.0	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	0.009~0.15	0.01	-46.98	-43.0	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	0.15~30	0.15	-51.61	-33.0	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	30~1000	929.68	-59.66	-23.0	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	1000~3000	1740.15	-18.08	-13.0	PASS
Band66	1.4MHz	16QAM	132322	1RB#0	3000~20000	5233.80	-14.73	-13.0	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	0.009~0.15	0.01	-45.96	-43.0	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	0.15~30	0.15	-50.69	-33.0	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	30~1000	935.50	-59.90	-23.0	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	1000~3000	1774.55	-14.29	-13.0	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	3000~20000	5336.23	-17.98	-13.0	PASS
Band66	3MHz	QPSK	131987	1RB#0	0.15~30	0.15	-50.61	-33.0	PASS
Band66	3MHz	QPSK	131987	1RB#0	30~1000	921.43	-59.79	-23.0	PASS
Band66	3MHz	QPSK	131987	1RB#0	1000~3000	1720.45	-41.30	-13.0	PASS
Band66	3MHz	QPSK	131987	1RB#0	3000~20000	19940.93	-21.26	-13.0	PASS
Band66	3MHz	16QAM	131987	1RB#0	0.009~0.15	0.01	-47.26	-43.0	PASS
Band66	3MHz	16QAM	131987	1RB#0	0.15~30	0.15	-52.56	-33.0	PASS
Band66	3MHz	16QAM	131987	1RB#0	30~1000	797.27	-59.76	-23.0	PASS
Band66	3MHz	16QAM	131987	1RB#0	1000~3000	1719.90	-42.57	-13.0	PASS
Band66	3MHz	16QAM	131987	1RB#0	3000~20000	18255.80	-21.13	-13.0	PASS
Band66	3MHz	QPSK	132322	1RB#0	0.009~0.15	0.01	-46.40	-43.0	PASS
Band66	3MHz	QPSK	132322	1RB#0	0.15~30	0.15	-49.97	-33.0	PASS
Band66	3MHz	QPSK	132322	1RB#0	30~1000	895.24	-59.83	-23.0	PASS
Band66	3MHz	QPSK	132322	1RB#0	1000~3000	1754.05	-41.47	-13.0	PASS
Band66	3MHz	QPSK	132322	1RB#0	3000~20000	19984.70	-21.34	-13.0	PASS

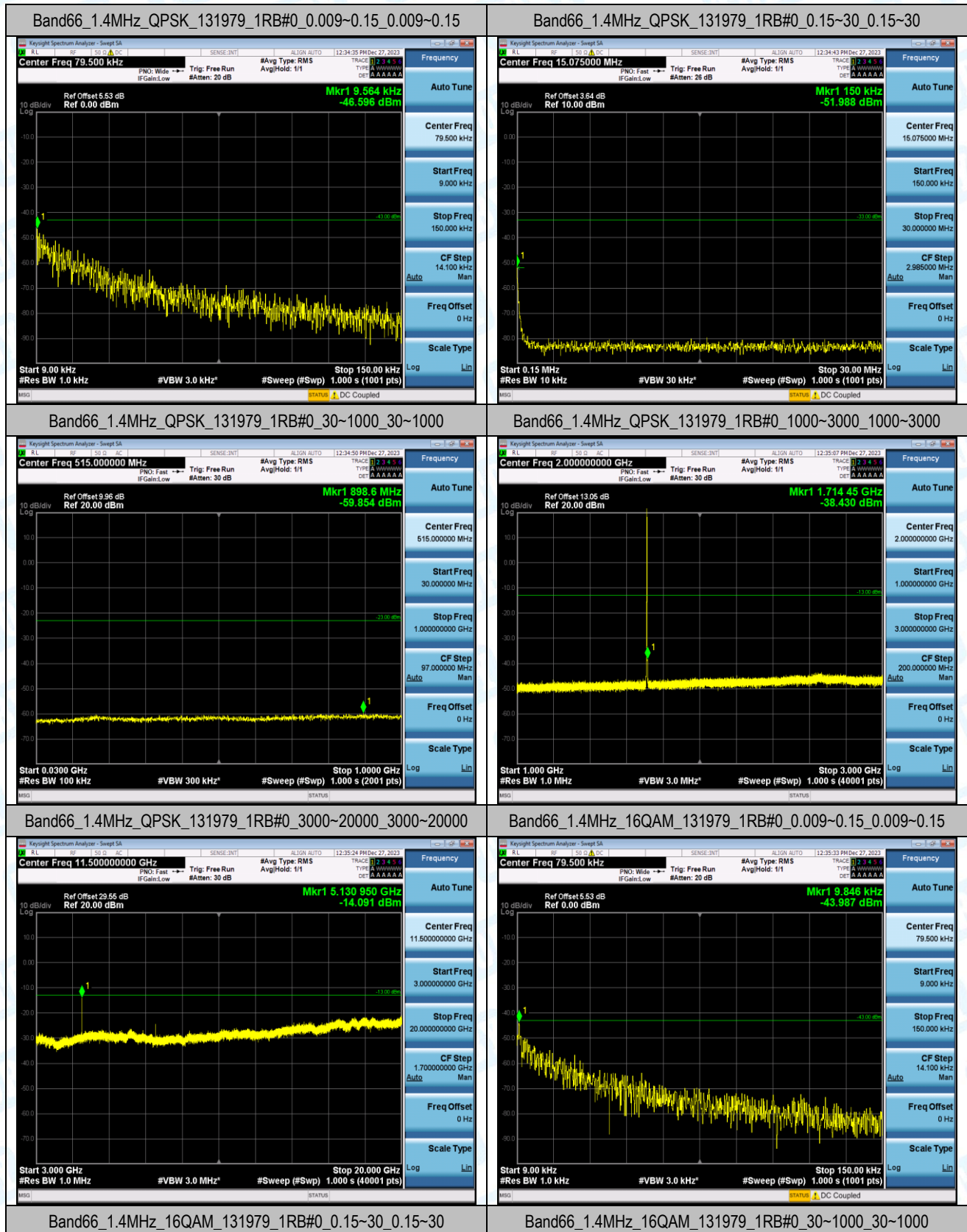
Band66	3MHz	16QAM	132322	1RB#0	0.009~0.15	0.01	-43.45	-43.0	PASS
Band66	3MHz	16QAM	132322	1RB#0	0.15~30	0.15	-49.10	-33.0	PASS
Band66	3MHz	16QAM	132322	1RB#0	30~1000	904.46	-59.80	-23.0	PASS
Band66	3MHz	16QAM	132322	1RB#0	1000~3000	2631.35	-43.79	-13.0	PASS
Band66	3MHz	16QAM	132322	1RB#0	3000~20000	19990.65	-21.23	-13.0	PASS
Band66	3MHz	QPSK	132657	1RB#0	0.009~0.15	0.01	-49.19	-43.0	PASS
Band66	3MHz	QPSK	132657	1RB#0	0.15~30	0.15	-50.84	-33.0	PASS
Band66	3MHz	QPSK	132657	1RB#0	30~1000	935.01	-59.65	-23.0	PASS
Band66	3MHz	QPSK	132657	1RB#0	1000~3000	1771.00	-43.32	-13.0	PASS
Band66	3MHz	QPSK	132657	1RB#0	3000~20000	19929.88	-20.78	-13.0	PASS
Band66	3MHz	16QAM	132657	1RB#0	0.009~0.15	0.01	-47.80	-43.0	PASS
Band66	3MHz	16QAM	132657	1RB#0	0.15~30	0.15	-48.60	-33.0	PASS
Band66	3MHz	16QAM	132657	1RB#0	30~1000	940.83	-59.46	-23.0	PASS
Band66	3MHz	16QAM	132657	1RB#0	1000~3000	1770.85	-43.68	-13.0	PASS
Band66	3MHz	16QAM	132657	1RB#0	3000~20000	19952.40	-21.27	-13.0	PASS
Band66	5MHz	QPSK	131997	1RB#0	0.009~0.15	0.01	-46.34	-43.0	PASS
Band66	5MHz	QPSK	131997	1RB#0	0.15~30	0.15	-51.08	-33.0	PASS
Band66	5MHz	QPSK	131997	1RB#0	30~1000	785.15	-59.31	-23.0	PASS
Band66	5MHz	QPSK	131997	1RB#0	1000~3000	1727.35	-40.88	-13.0	PASS
Band66	5MHz	QPSK	131997	1RB#0	3000~20000	19875.48	-21.56	-13.0	PASS
Band66	5MHz	16QAM	131997	1RB#0	0.009~0.15	0.01	-49.40	-43.0	PASS
Band66	5MHz	16QAM	131997	1RB#0	0.15~30	0.15	-50.35	-33.0	PASS
Band66	5MHz	16QAM	131997	1RB#0	30~1000	919.49	-59.64	-23.0	PASS
Band66	5MHz	16QAM	131997	1RB#0	1000~3000	2651.50	-44.01	-13.0	PASS
Band66	5MHz	16QAM	131997	1RB#0	3000~20000	19926.05	-21.22	-13.0	PASS
Band66	5MHz	QPSK	132322	1RB#0	0.009~0.15	0.01	-44.61	-43.0	PASS
Band66	5MHz	QPSK	132322	1RB#0	0.15~30	0.15	-50.32	-33.0	PASS
Band66	5MHz	QPSK	132322	1RB#0	30~1000	932.59	-59.59	-23.0	PASS
Band66	5MHz	QPSK	132322	1RB#0	1000~3000	2621.85	-43.85	-13.0	PASS
Band66	5MHz	QPSK	132322	1RB#0	3000~20000	19968.13	-21.09	-13.0	PASS
Band66	5MHz	16QAM	132322	1RB#0	0.009~0.15	0.01	-45.00	-43.0	PASS
Band66	5MHz	16QAM	132322	1RB#0	0.15~30	0.15	-50.60	-33.0	PASS
Band66	5MHz	16QAM	132322	1RB#0	30~1000	946.17	-59.67	-23.0	PASS
Band66	5MHz	16QAM	132322	1RB#0	1000~3000	2638.10	-44.04	-13.0	PASS
Band66	5MHz	16QAM	132322	1RB#0	3000~20000	18209.48	-21.24	-13.0	PASS
Band66	5MHz	QPSK	132647	1RB#0	0.009~0.15	0.01	-46.86	-43.0	PASS
Band66	5MHz	QPSK	132647	1RB#0	0.15~30	0.15	-50.62	-33.0	PASS
Band66	5MHz	QPSK	132647	1RB#0	30~1000	950.53	-59.57	-23.0	PASS
Band66	5MHz	QPSK	132647	1RB#0	1000~3000	1792.15	-43.57	-13.0	PASS
Band66	5MHz	QPSK	132647	1RB#0	3000~20000	19826.60	-21.29	-13.0	PASS
Band66	5MHz	16QAM	132647	1RB#0	0.009~0.15	0.01	-47.61	-43.0	PASS
Band66	5MHz	16QAM	132647	1RB#0	0.15~30	0.15	-52.95	-33.0	PASS
Band66	5MHz	16QAM	132647	1RB#0	30~1000	867.11	-59.83	-23.0	PASS
Band66	5MHz	16QAM	132647	1RB#0	1000~3000	2887.45	-43.29	-13.0	PASS

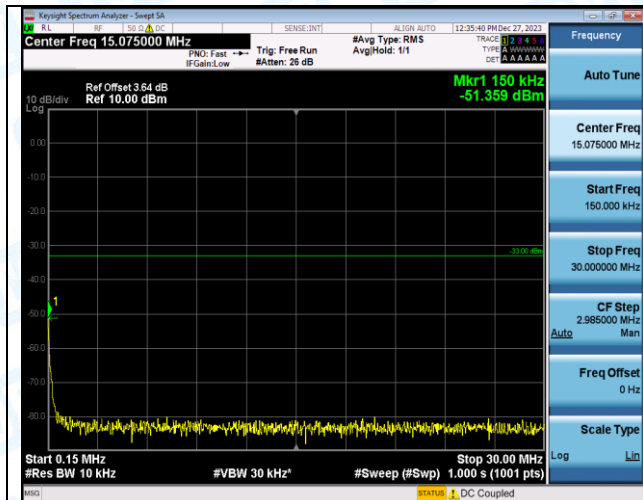
Band66	5MHz	16QAM	132647	1RB#0	3000~20000	19931.58	-21.07	-13.0	PASS
Band66	10MHz	QPSK	132022	1RB#0	0.009~0.15	0.01	-47.02	-43.0	PASS
Band66	10MHz	QPSK	132022	1RB#0	0.15~30	0.15	-49.30	-33.0	PASS
Band66	10MHz	QPSK	132022	1RB#0	30~1000	986.91	-59.61	-23.0	PASS
Band66	10MHz	QPSK	132022	1RB#0	1000~3000	2786.05	-43.41	-13.0	PASS
Band66	10MHz	QPSK	132022	1RB#0	3000~20000	19953.68	-21.26	-13.0	PASS
Band66	10MHz	16QAM	132022	1RB#0	0.009~0.15	0.01	-45.38	-43.0	PASS
Band66	10MHz	16QAM	132022	1RB#0	0.15~30	0.15	-51.47	-33.0	PASS
Band66	10MHz	16QAM	132022	1RB#0	30~1000	793.39	-59.78	-23.0	PASS
Band66	10MHz	16QAM	132022	1RB#0	1000~3000	2638.70	-43.96	-13.0	PASS
Band66	10MHz	16QAM	132022	1RB#0	3000~20000	18234.98	-21.16	-13.0	PASS
Band66	10MHz	QPSK	132322	1RB#0	0.009~0.15	0.01	-45.58	-43.0	PASS
Band66	10MHz	QPSK	132322	1RB#0	0.15~30	0.15	-52.15	-33.0	PASS
Band66	10MHz	QPSK	132322	1RB#0	30~1000	736.16	-59.89	-23.0	PASS
Band66	10MHz	QPSK	132322	1RB#0	1000~3000	2665.90	-43.92	-13.0	PASS
Band66	10MHz	QPSK	132322	1RB#0	3000~20000	19966.00	-21.17	-13.0	PASS
Band66	10MHz	16QAM	132322	1RB#0	0.009~0.15	0.01	-46.41	-43.0	PASS
Band66	10MHz	16QAM	132322	1RB#0	0.15~30	0.15	-53.16	-33.0	PASS
Band66	10MHz	16QAM	132322	1RB#0	30~1000	928.22	-59.75	-23.0	PASS
Band66	10MHz	16QAM	132322	1RB#0	1000~3000	2792.25	-43.71	-13.0	PASS
Band66	10MHz	16QAM	132322	1RB#0	3000~20000	19969.40	-21.12	-13.0	PASS
Band66	10MHz	QPSK	132622	1RB#0	0.009~0.15	0.01	-46.13	-43.0	PASS
Band66	10MHz	QPSK	132622	1RB#0	0.15~30	0.15	-49.89	-33.0	PASS
Band66	10MHz	QPSK	132622	1RB#0	30~1000	820.07	-59.82	-23.0	PASS
Band66	10MHz	QPSK	132622	1RB#0	1000~3000	2646.50	-43.57	-13.0	PASS
Band66	10MHz	QPSK	132622	1RB#0	3000~20000	19978.75	-20.93	-13.0	PASS
Band66	10MHz	16QAM	132622	1RB#0	0.009~0.15	0.01	-45.40	-43.0	PASS
Band66	10MHz	16QAM	132622	1RB#0	0.15~30	0.15	-51.85	-33.0	PASS
Band66	10MHz	16QAM	132622	1RB#0	30~1000	902.03	-59.20	-23.0	PASS
Band66	10MHz	16QAM	132622	1RB#0	1000~3000	2625.60	-43.88	-13.0	PASS
Band66	10MHz	16QAM	132622	1RB#0	3000~20000	19956.65	-21.03	-13.0	PASS
Band66	15MHz	QPSK	132047	1RB#0	0.009~0.15	0.01	-46.79	-43.0	PASS
Band66	15MHz	QPSK	132047	1RB#0	0.15~30	0.15	-51.53	-33.0	PASS
Band66	15MHz	QPSK	132047	1RB#0	30~1000	890.88	-59.63	-23.0	PASS
Band66	15MHz	QPSK	132047	1RB#0	1000~3000	1764.50	-42.78	-13.0	PASS
Band66	15MHz	QPSK	132047	1RB#0	3000~20000	18234.55	-21.04	-13.0	PASS
Band66	15MHz	16QAM	132047	1RB#0	0.009~0.15	0.01	-45.69	-43.0	PASS
Band66	15MHz	16QAM	132047	1RB#0	0.15~30	0.15	-50.54	-33.0	PASS
Band66	15MHz	16QAM	132047	1RB#0	30~1000	895.24	-59.74	-23.0	PASS
Band66	15MHz	16QAM	132047	1RB#0	1000~3000	2667.25	-43.87	-13.0	PASS
Band66	15MHz	16QAM	132047	1RB#0	3000~20000	19968.55	-21.14	-13.0	PASS
Band66	15MHz	QPSK	132322	1RB#0	0.009~0.15	0.01	-45.05	-43.0	PASS
Band66	15MHz	QPSK	132322	1RB#0	0.15~30	0.15	-51.98	-33.0	PASS
Band66	15MHz	QPSK	132322	1RB#0	30~1000	940.83	-59.72	-23.0	PASS

Band66	15MHz	QPSK	132322	1RB#0	1000~3000	2653.15	-43.83	-13.0	PASS
Band66	15MHz	QPSK	132322	1RB#0	3000~20000	19993.63	-21.04	-13.0	PASS
Band66	15MHz	16QAM	132322	1RB#0	0.009~0.15	0.01	-46.13	-43.0	PASS
Band66	15MHz	16QAM	132322	1RB#0	0.15~30	0.15	-49.48	-33.0	PASS
Band66	15MHz	16QAM	132322	1RB#0	30~1000	859.84	-59.48	-23.0	PASS
Band66	15MHz	16QAM	132322	1RB#0	1000~3000	2631.10	-43.98	-13.0	PASS
Band66	15MHz	16QAM	132322	1RB#0	3000~20000	18369.28	-21.13	-13.0	PASS
Band66	15MHz	QPSK	132597	1RB#0	0.009~0.15	0.01	-44.29	-43.0	PASS
Band66	15MHz	QPSK	132597	1RB#0	0.15~30	0.15	-50.96	-33.0	PASS
Band66	15MHz	QPSK	132597	1RB#0	30~1000	899.61	-59.65	-23.0	PASS
Band66	15MHz	QPSK	132597	1RB#0	1000~3000	2632.70	-43.51	-13.0	PASS
Band66	15MHz	QPSK	132597	1RB#0	3000~20000	19905.23	-21.34	-13.0	PASS
Band66	15MHz	16QAM	132597	1RB#0	0.009~0.15	0.01	-44.72	-43.0	PASS
Band66	15MHz	16QAM	132597	1RB#0	0.15~30	0.15	-51.98	-33.0	PASS
Band66	15MHz	16QAM	132597	1RB#0	30~1000	921.92	-59.69	-23.0	PASS
Band66	15MHz	16QAM	132597	1RB#0	3000~20000	18227.75	-20.88	-13.0	PASS
Band66	20MHz	QPSK	132072	1RB#0	0.009~0.15	0.01	-45.75	-43.0	PASS
Band66	20MHz	QPSK	132072	1RB#0	0.15~30	0.15	-51.17	-33.0	PASS
Band66	20MHz	QPSK	132072	1RB#0	30~1000	933.07	-59.53	-23.0	PASS
Band66	20MHz	QPSK	132072	1RB#0	1000~3000	2654.15	-43.66	-13.0	PASS
Band66	20MHz	QPSK	132072	1RB#0	3000~20000	18640.85	-21.37	-13.0	PASS
Band66	20MHz	16QAM	132072	1RB#0	0.009~0.15	0.01	-46.10	-43.0	PASS
Band66	20MHz	16QAM	132072	1RB#0	0.15~30	0.15	-49.83	-33.0	PASS
Band66	20MHz	16QAM	132072	1RB#0	30~1000	964.60	-59.75	-23.0	PASS
Band66	20MHz	16QAM	132072	1RB#0	1000~3000	2758.55	-43.84	-13.0	PASS
Band66	20MHz	16QAM	132072	1RB#0	3000~20000	19972.38	-21.10	-13.0	PASS
Band66	20MHz	QPSK	132322	1RB#0	0.009~0.15	0.01	-47.11	-43.0	PASS
Band66	20MHz	QPSK	132322	1RB#0	0.15~30	0.15	-49.84	-33.0	PASS
Band66	20MHz	QPSK	132322	1RB#0	30~1000	853.05	-59.90	-23.0	PASS
Band66	20MHz	QPSK	132322	1RB#0	1000~3000	2660.10	-43.66	-13.0	PASS
Band66	20MHz	QPSK	132322	1RB#0	3000~20000	19979.18	-21.09	-13.0	PASS
Band66	20MHz	16QAM	132322	1RB#0	0.009~0.15	0.01	-45.51	-43.0	PASS
Band66	20MHz	16QAM	132322	1RB#0	0.15~30	0.18	-54.10	-33.0	PASS
Band66	20MHz	16QAM	132322	1RB#0	30~1000	931.13	-59.60	-23.0	PASS
Band66	20MHz	16QAM	132322	1RB#0	1000~3000	2780.95	-43.50	-13.0	PASS
Band66	20MHz	16QAM	132322	1RB#0	3000~20000	19985.13	-20.90	-13.0	PASS
Band66	20MHz	QPSK	132572	1RB#0	0.009~0.15	0.01	-47.00	-43.0	PASS
Band66	20MHz	QPSK	132572	1RB#0	0.15~30	0.15	-51.49	-33.0	PASS
Band66	20MHz	QPSK	132572	1RB#0	30~1000	969.45	-59.56	-23.0	PASS
Band66	20MHz	QPSK	132572	1RB#0	1000~3000	2675.25	-43.85	-13.0	PASS
Band66	20MHz	QPSK	132572	1RB#0	3000~20000	18226.05	-21.14	-13.0	PASS
Band66	20MHz	16QAM	132572	1RB#0	0.009~0.15	0.01	-44.81	-43.0	PASS
Band66	20MHz	16QAM	132572	1RB#0	0.15~30	0.15	-52.68	-33.0	PASS
Band66	20MHz	16QAM	132572	1RB#0	30~1000	927.25	-59.68	-23.0	PASS

Band66	20MHz	16QAM	132572	1RB#0	1000~3000	2634.85	-43.59	-13.0	PASS
Band66	20MHz	16QAM	132572	1RB#0	3000~20000	18182.70	-21.30	-13.0	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	0.009~0.15	0.01	-45.49	-43.0	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	0.15~30	0.15	-52.58	-33.0	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	30~1000	891.85	-59.58	-23.0	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	1000~3000	1782.90	-17.52	-13.0	PASS
Band66	1.4MHz	16QAM	132665	1RB#0	3000~20000	5336.65	-19.26	-13.0	PASS
Band66	3MHz	QPSK	131987	1RB#0	0.009~0.15	0.01	-47.29	-43.0	PASS
Band66	15MHz	16QAM	132597	1RB#0	1000~3000	2639.70	-43.47	-13.0	PASS

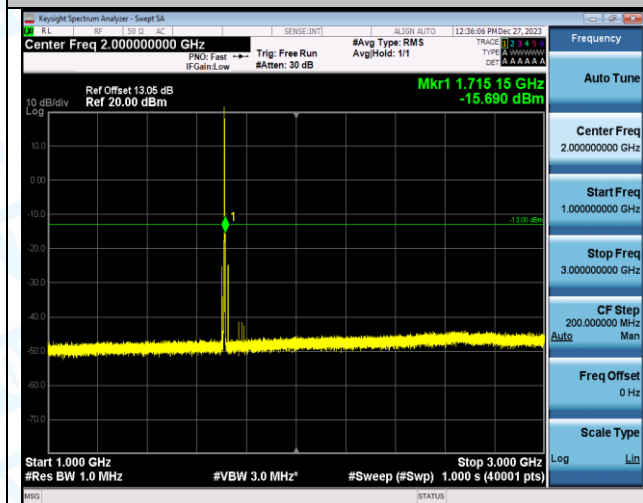
Test Graphs





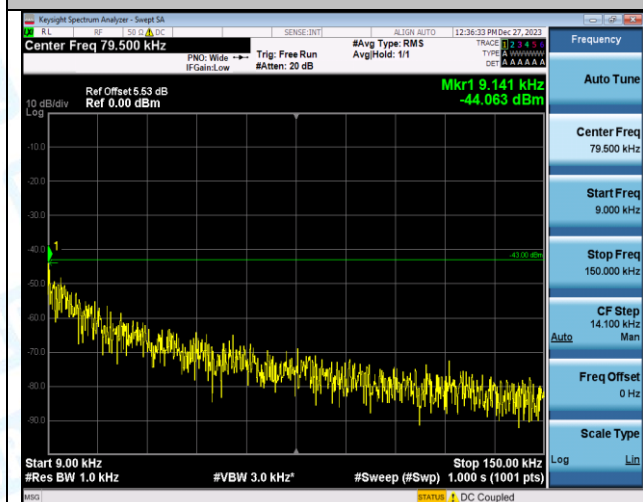
Band66_1.4MHz_16QAM_131979_1RB#0_1000~3000_1000~3000

Band66_1.4MHz_16QAM_131979_1RB#0_3000~20000_3000~20000



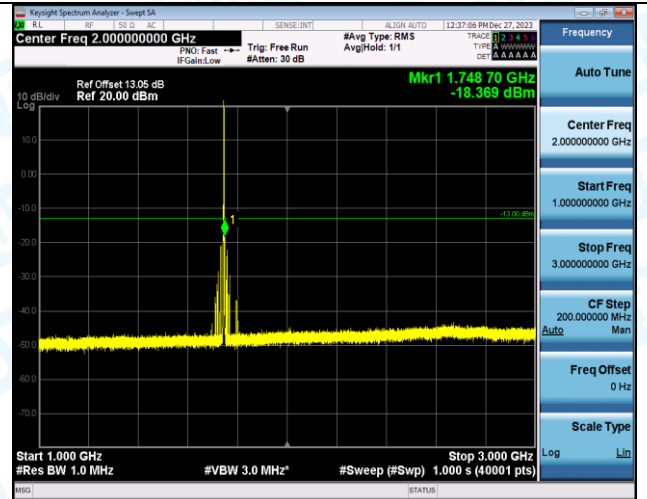
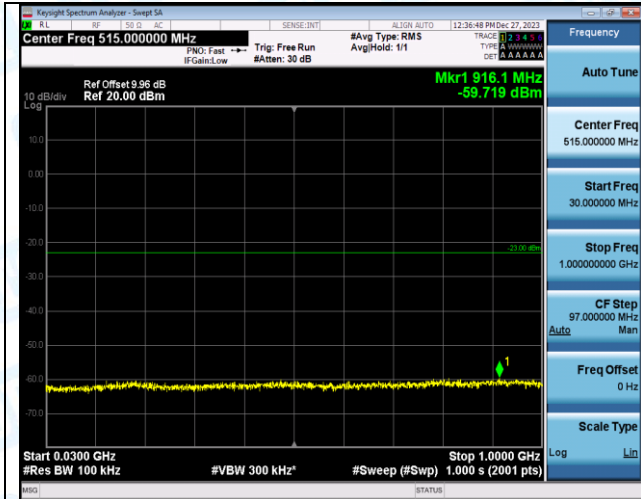
Band66_1.4MHz_QPSK_132322_1RB#0_0.009~0.15_0.009~0.15

Band66_1.4MHz_QPSK_132322_1RB#0_0.15~30_0.15~30



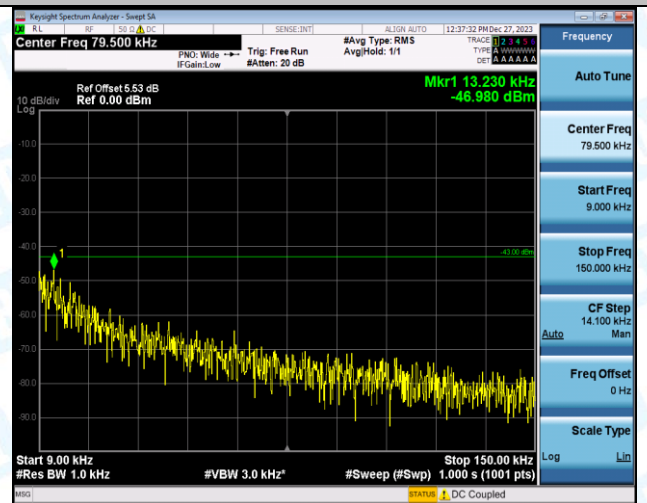
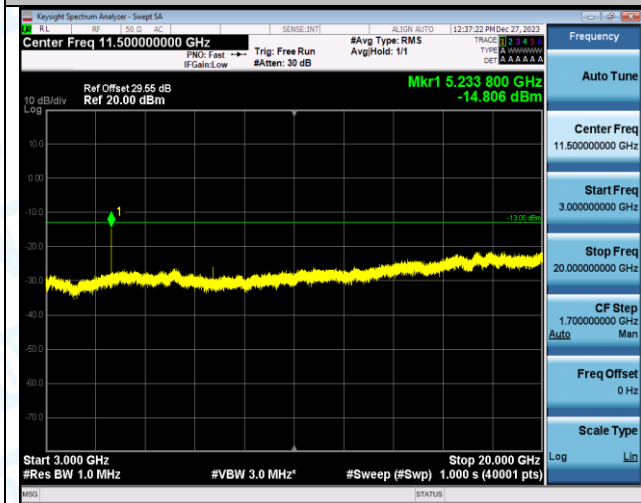
Band66_1.4MHz_QPSK_132322_1RB#0_30~1000_30~1000

Band66_1.4MHz_QPSK_132322_1RB#0_1000~3000_1000~3000



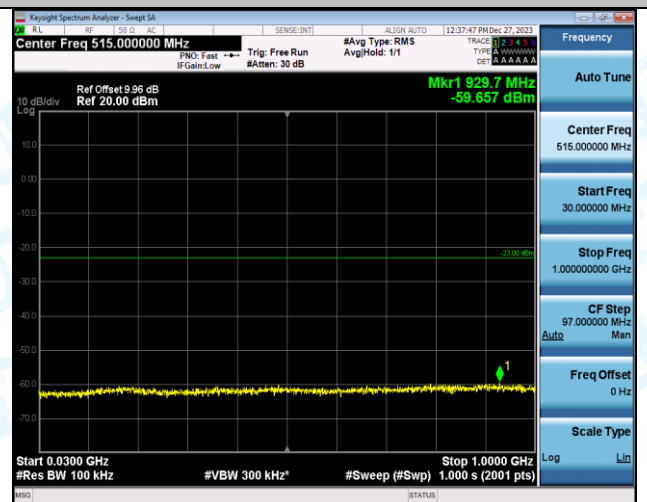
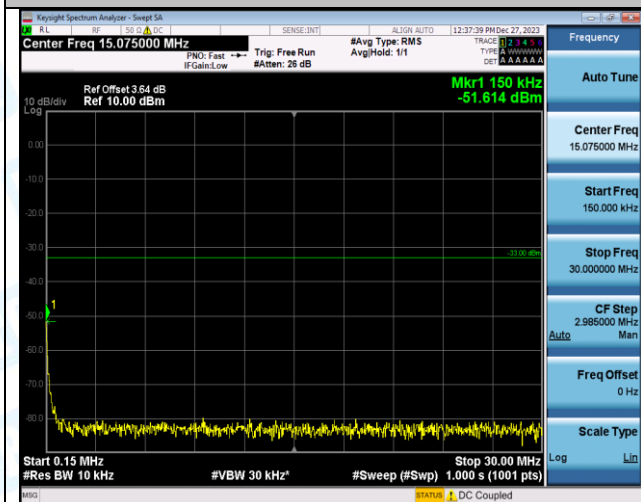
Band66_1.4MHz_QPSK_132322_1RB#0_3000~20000_3000~20000

Band66_1.4MHz_16QAM_132322_1RB#0_0.009~0.15_0.009~0.15



Band66_1.4MHz_16QAM_132322_1RB#0_0.15~30_0.15~30

Band66_1.4MHz_16QAM_132322_1RB#0_30~1000_30~1000



Band66_1.4MHz_16QAM_132322_1RB#0_1000~3000_1000~3000

Band66_1.4MHz_16QAM_132322_1RB#0_3000~20000_3000~20000