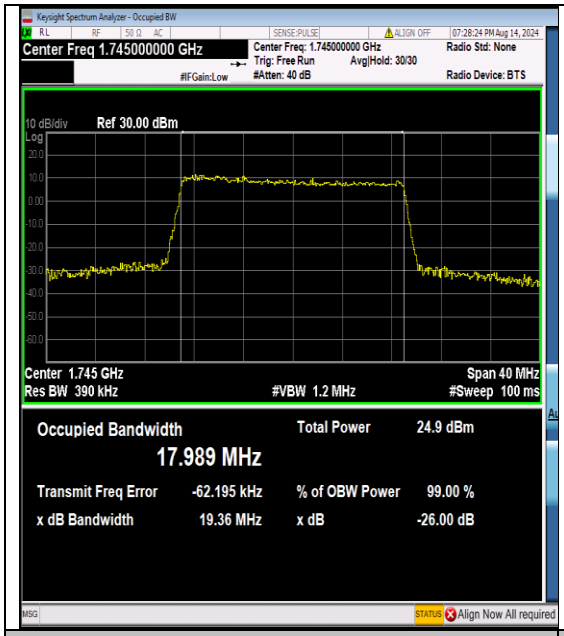
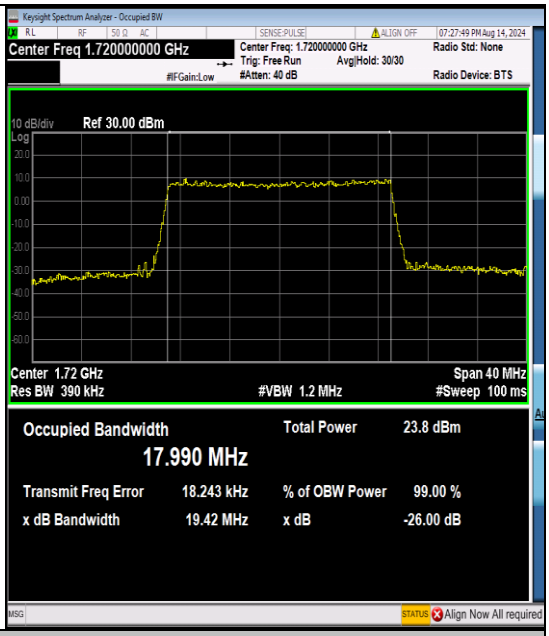
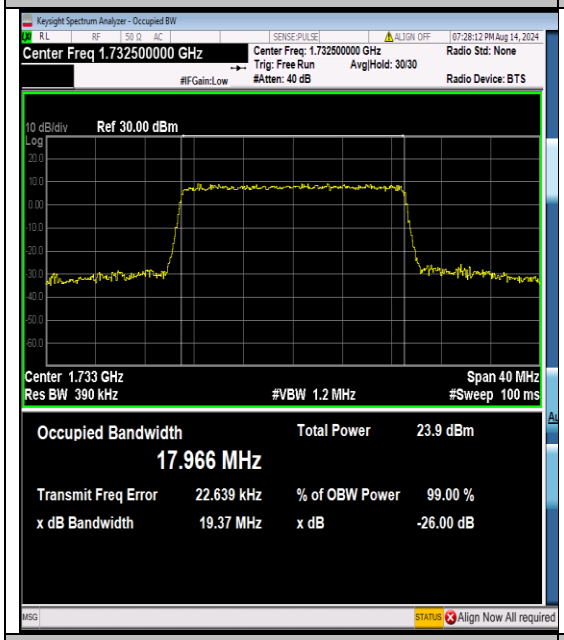


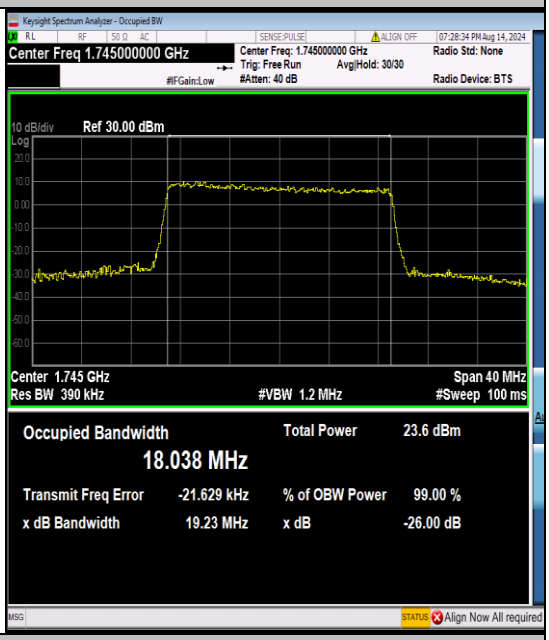
Band4-20MHz-QPSK-20300-100RB#0-PASS



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



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



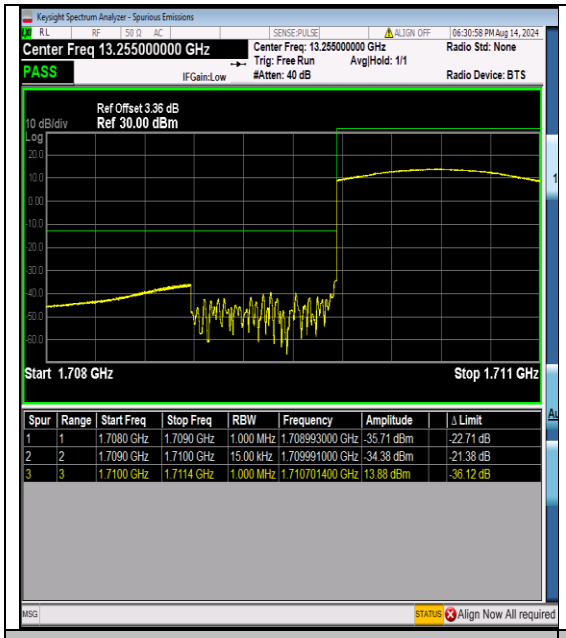
Band4-20MHz-16QAM-20300-100RB#0-PASS

Appendix D: Band Edge

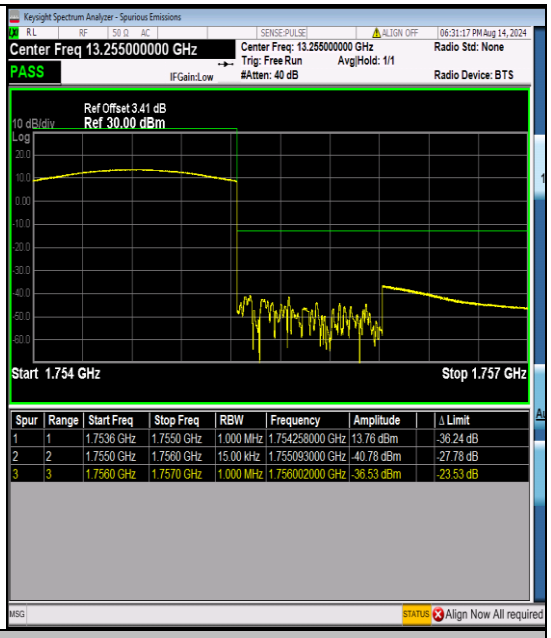
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	-34.38	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-36.53	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-37.20	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-36.66	PASS
Band4	3MHz	QPSK	19965	15RB#0	-35.93	PASS
Band4	3MHz	QPSK	20385	15RB#0	-36.25	PASS
Band4	3MHz	16QAM	19965	15RB#0	-34.51	PASS
Band4	3MHz	16QAM	20385	15RB#0	-34.23	PASS
Band4	5MHz	QPSK	19975	25RB#0	-36.17	PASS
Band4	5MHz	QPSK	20375	25RB#0	-36.18	PASS
Band4	5MHz	16QAM	19975	25RB#0	-34.20	PASS
Band4	5MHz	16QAM	20375	25RB#0	-34.25	PASS
Band4	10MHz	QPSK	20000	50RB#0	-38.27	PASS
Band4	10MHz	QPSK	20350	50RB#0	-35.17	PASS
Band4	10MHz	16QAM	20000	50RB#0	-34.94	PASS
Band4	10MHz	16QAM	20350	50RB#0	-36.56	PASS
Band4	15MHz	QPSK	20025	75RB#0	-38.54	PASS
Band4	15MHz	QPSK	20325	75RB#0	-40.12	PASS
Band4	15MHz	16QAM	20025	75RB#0	-37.05	PASS
Band4	15MHz	16QAM	20325	75RB#0	-39.03	PASS
Band4	20MHz	QPSK	20050	100RB#0	-41.08	PASS
Band4	20MHz	QPSK	20300	100RB#0	-41.44	PASS
Band4	20MHz	16QAM	20050	100RB#0	-39.28	PASS
Band4	20MHz	16QAM	20300	100RB#0	-40.22	PASS

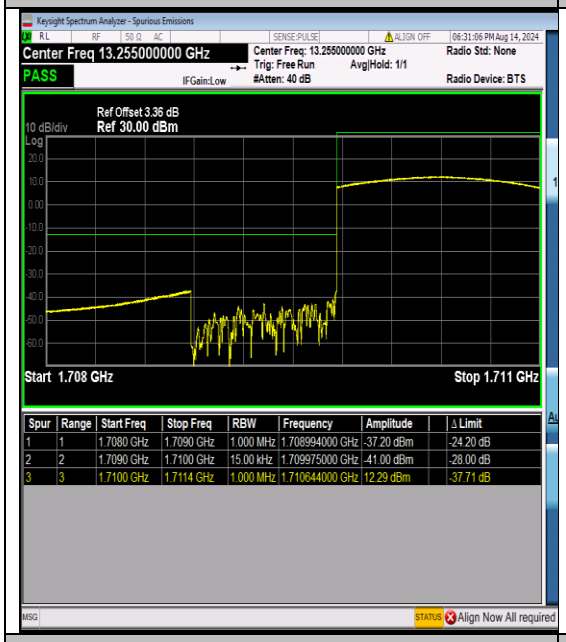
Test Graphs



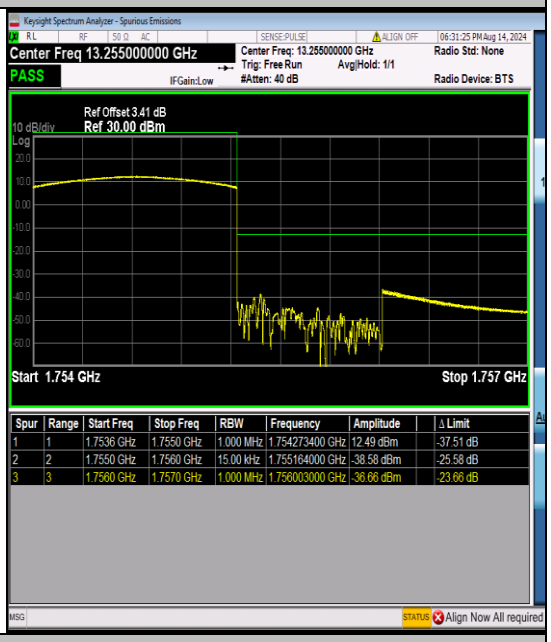
Band4_1.4MHz_QPSK_19957_6RB#0



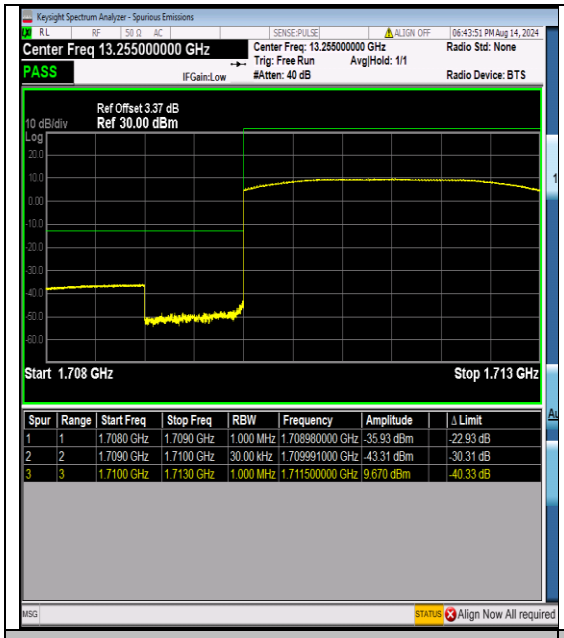
Band4_1.4MHz_QPSK_20393_6RB#0



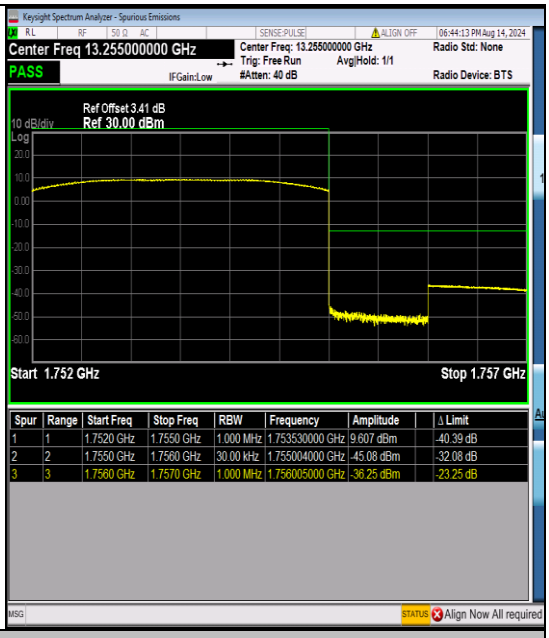
Band4_1.4MHz_16QAM_19957_6RB#0



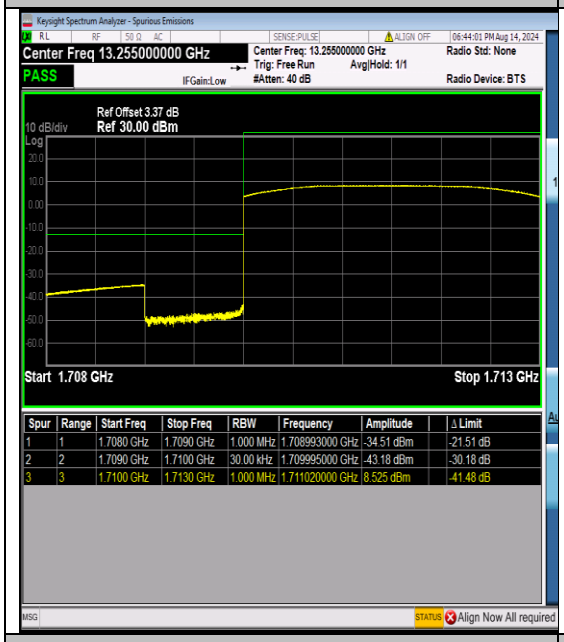
Band4_1.4MHz_16QAM_20393_6RB#0



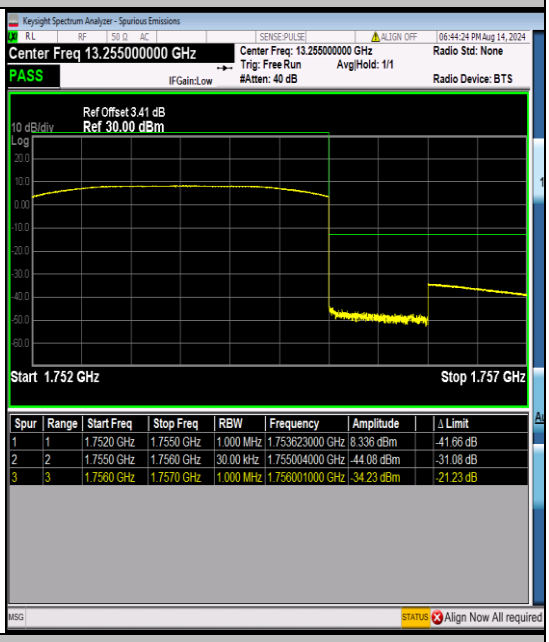
Band4_3MHz_QPSK_19965_15RB#0



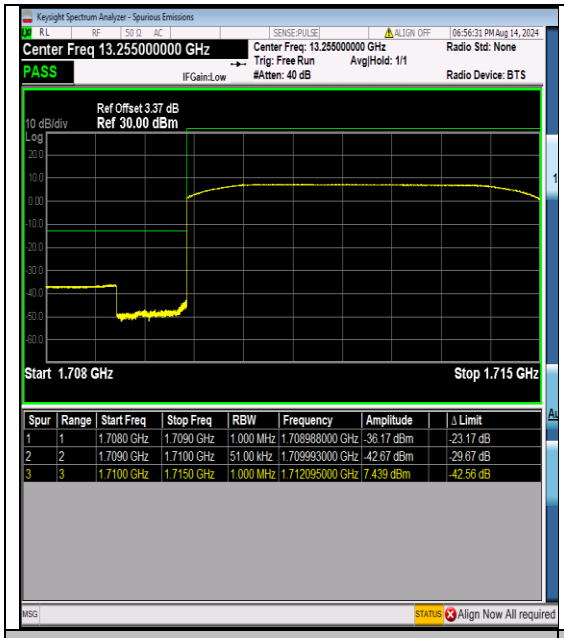
Band4_3MHz_QPSK_20385_15RB#0



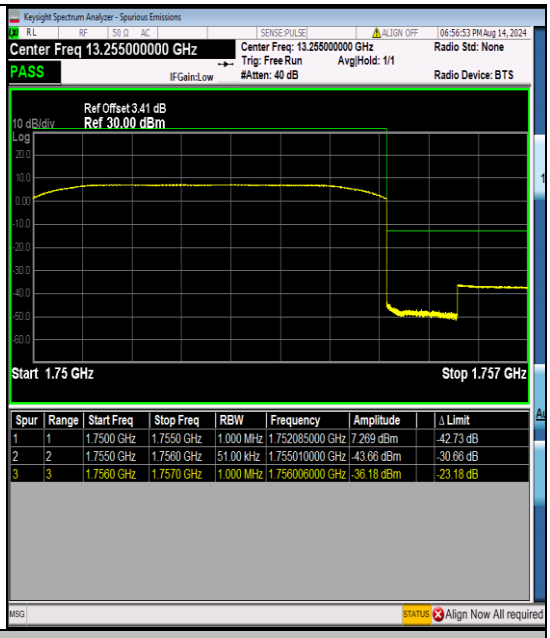
Band4_3MHz_16QAM_19965_15RB#0



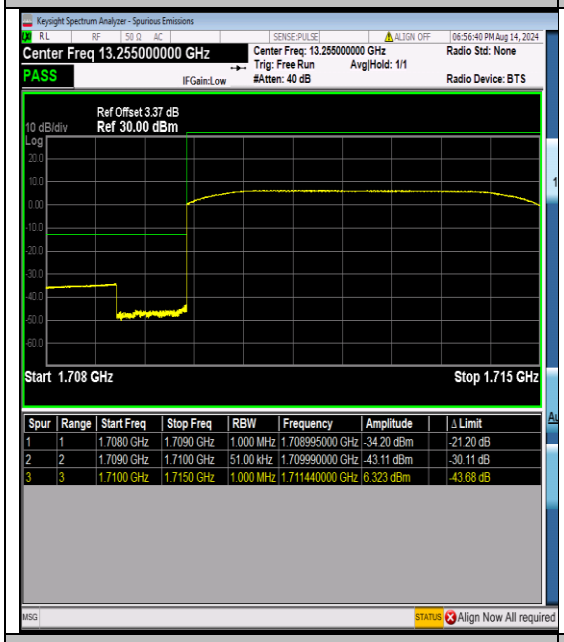
Band4_3MHz_16QAM_20385_15RB#0



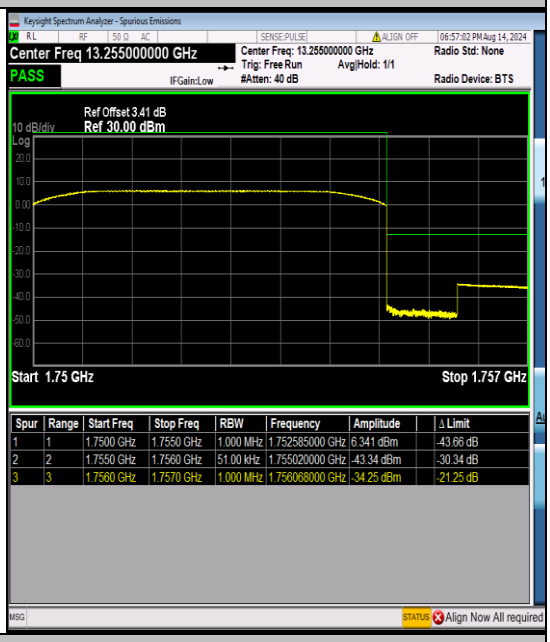
Band4_5MHz_QPSK_19975_25RB#0



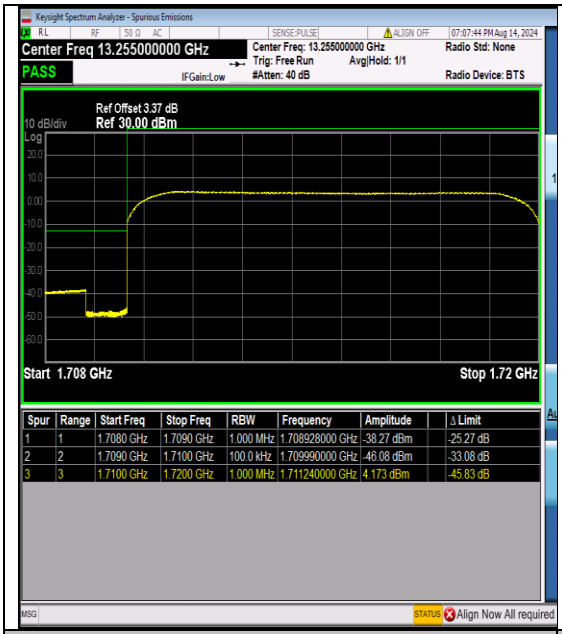
Band4_5MHz_QPSK_20375_25RB#0



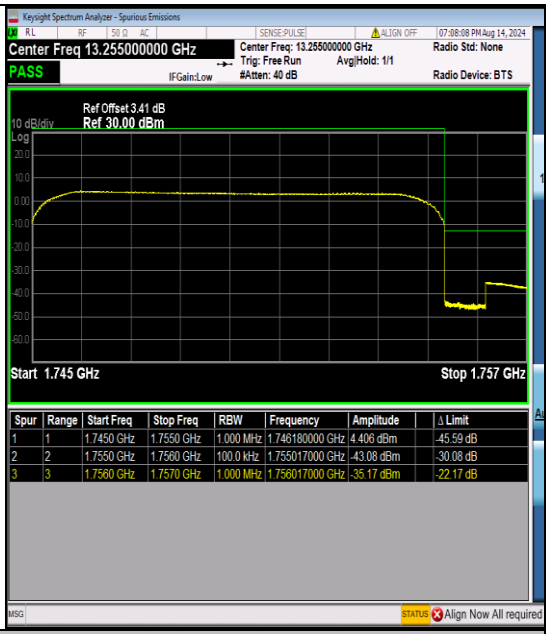
Band4_5MHz_16QAM_19975_25RB#0



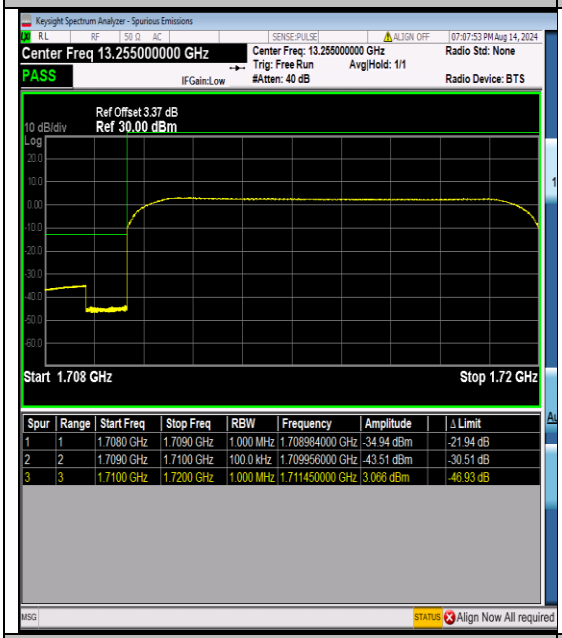
Band4_5MHz_16QAM_20375_25RB#0



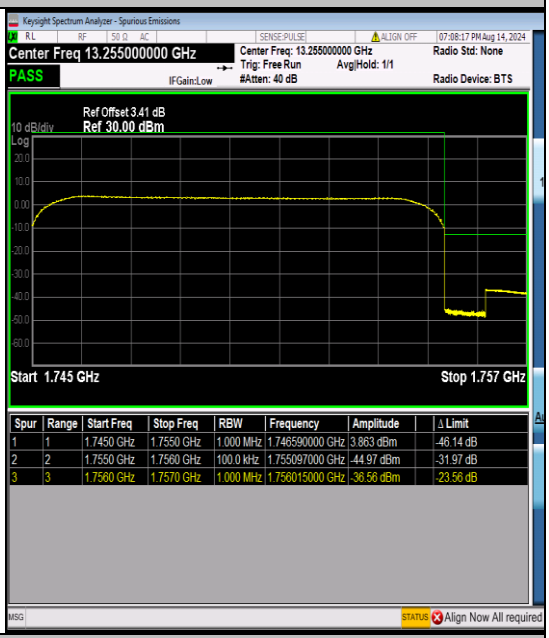
Band4_10MHz_QPSK_20000_50RB#0



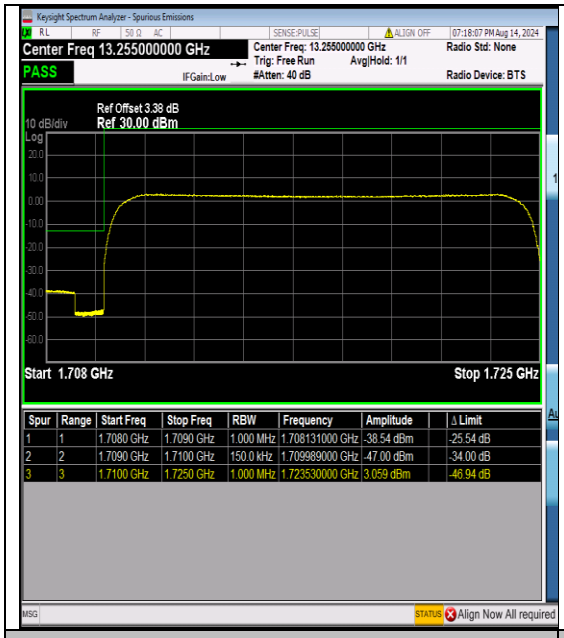
Band4_10MHz_QPSK_20350_50RB#0



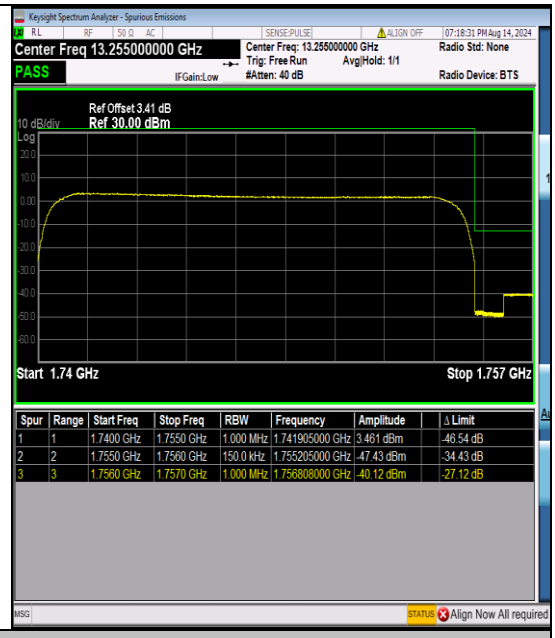
Band4_10MHz_16QAM_20000_50RB#0



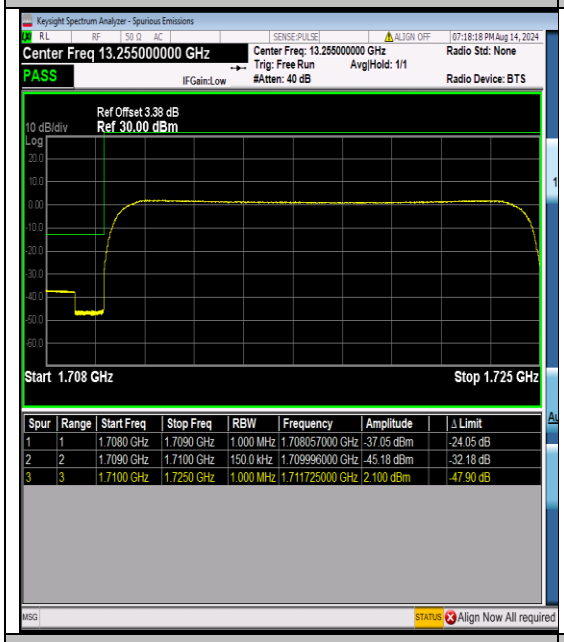
Band4_10MHz_16QAM_20350_50RB#0



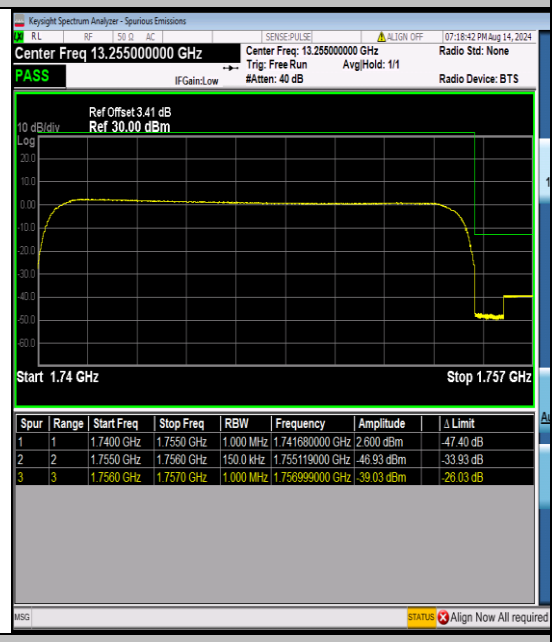
Band4_15MHz_QPSK_20025_75RB#0



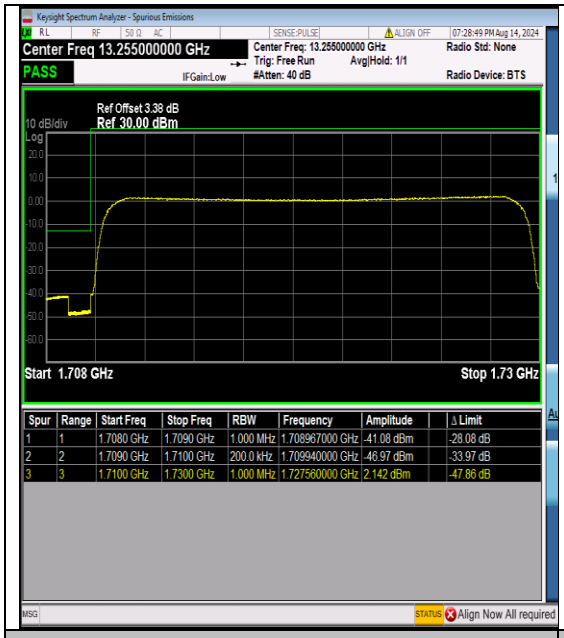
Band4_15MHz_QPSK_20325_75RB#0



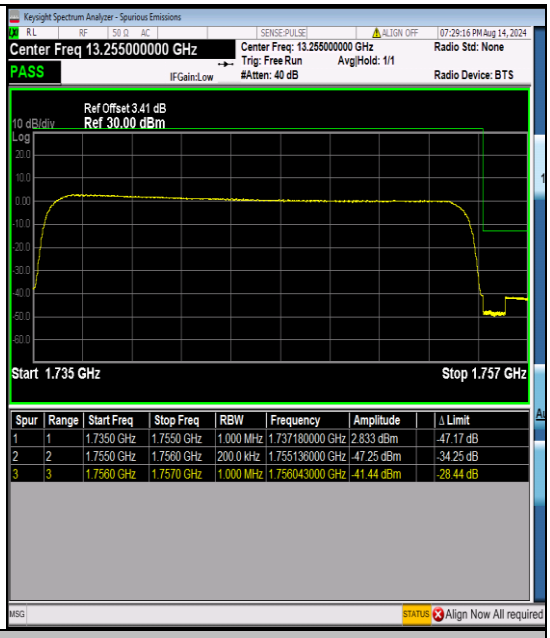
Band4_15MHz_16QAM_20025_75RB#0



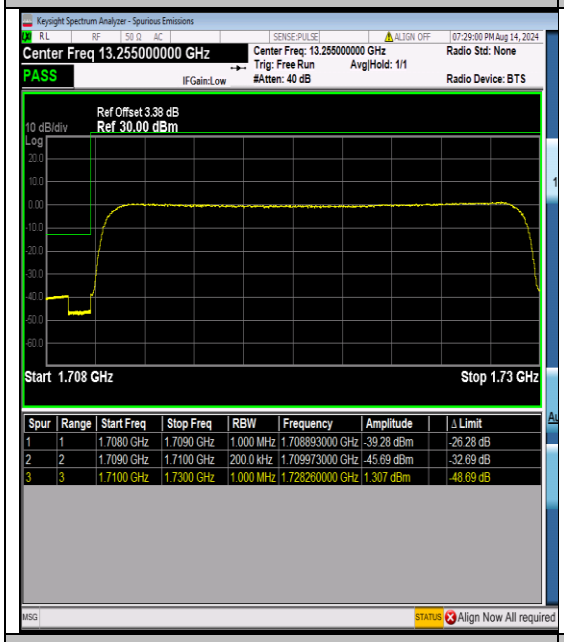
Band4_15MHz_16QAM_20325_75RB#0



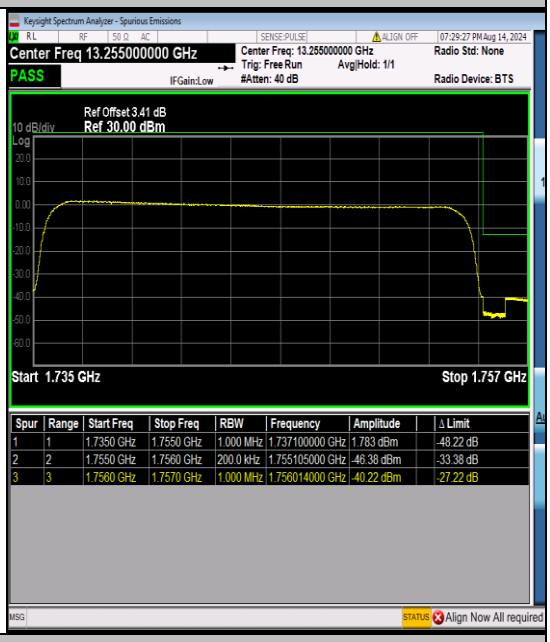
Band4_20MHz_QPSK_20050_100RB#0



Band4_20MHz_QPSK_20300_100RB#0



Band4_20MHz_16QAM_20050_100RB#0



Band4_20MHz_16QAM_20300_100RB#0

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	0.009~0.15	-59.37	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	0.15~30	-54.85	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	30~1000	-66.98	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1000~3000	-45.13	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	3000~20000	-46.04	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	0.009~0.15	-60.17	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	0.15~30	-54.31	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	30~1000	-67.00	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1000~3000	-45.71	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	3000~20000	-46.14	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	0.009~0.15	-61.65	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	0.15~30	-54.67	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	30~1000	-66.41	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1000~3000	-45.87	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	3000~20000	-45.77	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	0.009~0.15	-59.78	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	0.15~30	-54.13	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	30~1000	-66.78	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1000~3000	-45.17	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	3000~20000	-45.83	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	0.009~0.15	-59.45	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	0.15~30	-51.85	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	30~1000	-66.71	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1000~3000	-45.52	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	3000~20000	-45.17	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	0.009~0.15	-59.38	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	0.15~30	-52.68	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	30~1000	-66.86	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1000~3000	-45.21	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	3000~20000	-45.90	PASS
Band4	3MHz	QPSK	19965	15RB#0	0.009~0.15	-60.21	PASS
Band4	3MHz	QPSK	19965	15RB#0	0.15~30	-55.18	PASS
Band4	3MHz	QPSK	19965	15RB#0	30~1000	-66.91	PASS
Band4	3MHz	QPSK	19965	15RB#0	1000~3000	-49.09	PASS
Band4	3MHz	QPSK	19965	15RB#0	3000~20000	-46.06	PASS
Band4	3MHz	QPSK	20175	15RB#0	0.009~0.15	-61.38	PASS

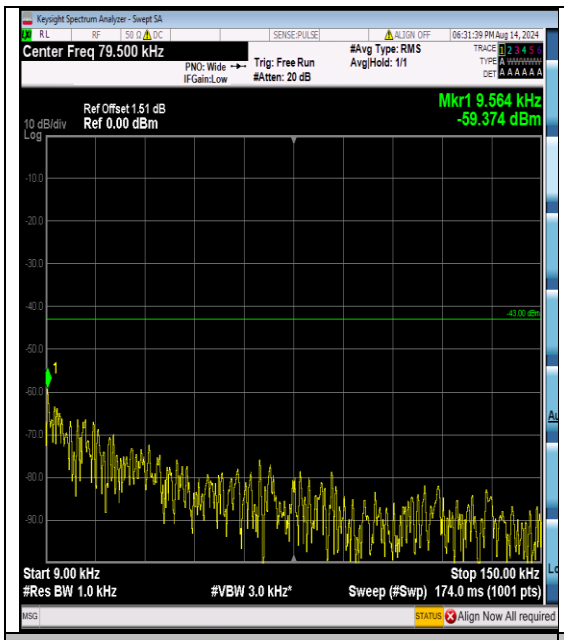
Band4	3MHz	QPSK	20175	15RB#0	0.15~30	-53.49	PASS
Band4	3MHz	QPSK	20175	15RB#0	30~1000	-66.82	PASS
Band4	3MHz	QPSK	20175	15RB#0	1000~3000	-48.62	PASS
Band4	3MHz	QPSK	20175	15RB#0	3000~20000	-45.82	PASS
Band4	3MHz	QPSK	20385	15RB#0	0.009~0.15	-59.46	PASS
Band4	3MHz	QPSK	20385	15RB#0	0.15~30	-55.34	PASS
Band4	3MHz	QPSK	20385	15RB#0	30~1000	-66.83	PASS
Band4	3MHz	QPSK	20385	15RB#0	1000~3000	-50.74	PASS
Band4	3MHz	QPSK	20385	15RB#0	3000~20000	-46.12	PASS
Band4	3MHz	16QAM	19965	15RB#0	0.009~0.15	-59.82	PASS
Band4	3MHz	16QAM	19965	15RB#0	0.15~30	-52.97	PASS
Band4	3MHz	16QAM	19965	15RB#0	30~1000	-66.86	PASS
Band4	3MHz	16QAM	19965	15RB#0	1000~3000	-50.54	PASS
Band4	3MHz	16QAM	19965	15RB#0	3000~20000	-45.80	PASS
Band4	3MHz	16QAM	20175	15RB#0	0.009~0.15	-58.54	PASS
Band4	3MHz	16QAM	20175	15RB#0	0.15~30	-54.87	PASS
Band4	3MHz	16QAM	20175	15RB#0	30~1000	-66.92	PASS
Band4	3MHz	16QAM	20175	15RB#0	1000~3000	-51.75	PASS
Band4	3MHz	16QAM	20175	15RB#0	3000~20000	-45.75	PASS
Band4	3MHz	16QAM	20385	15RB#0	0.009~0.15	-61.99	PASS
Band4	3MHz	16QAM	20385	15RB#0	0.15~30	-56.28	PASS
Band4	3MHz	16QAM	20385	15RB#0	30~1000	-67.09	PASS
Band4	3MHz	16QAM	20385	15RB#0	1000~3000	-50.89	PASS
Band4	3MHz	16QAM	20385	15RB#0	3000~20000	-46.04	PASS
Band4	5MHz	QPSK	19975	25RB#0	0.009~0.15	-63.45	PASS
Band4	5MHz	QPSK	19975	25RB#0	0.15~30	-54.62	PASS
Band4	5MHz	QPSK	19975	25RB#0	30~1000	-66.83	PASS
Band4	5MHz	QPSK	19975	25RB#0	1000~3000	-52.19	PASS
Band4	5MHz	QPSK	19975	25RB#0	3000~20000	-45.90	PASS
Band4	5MHz	QPSK	20175	25RB#0	0.009~0.15	-63.11	PASS
Band4	5MHz	QPSK	20175	25RB#0	0.15~30	-53.84	PASS
Band4	5MHz	QPSK	20175	25RB#0	30~1000	-66.64	PASS
Band4	5MHz	QPSK	20175	25RB#0	1000~3000	-52.24	PASS
Band4	5MHz	QPSK	20175	25RB#0	3000~20000	-46.08	PASS
Band4	5MHz	QPSK	20375	25RB#0	0.009~0.15	-62.27	PASS
Band4	5MHz	QPSK	20375	25RB#0	0.15~30	-54.25	PASS
Band4	5MHz	QPSK	20375	25RB#0	30~1000	-66.97	PASS
Band4	5MHz	QPSK	20375	25RB#0	1000~3000	-52.32	PASS
Band4	5MHz	QPSK	20375	25RB#0	3000~20000	-45.84	PASS
Band4	5MHz	16QAM	19975	25RB#0	0.009~0.15	-59.49	PASS
Band4	5MHz	16QAM	19975	25RB#0	0.15~30	-53.53	PASS
Band4	5MHz	16QAM	19975	25RB#0	30~1000	-66.92	PASS
Band4	5MHz	16QAM	19975	25RB#0	1000~3000	-52.31	PASS

Band4	5MHz	16QAM	19975	25RB#0	3000~20000	-46.05	PASS
Band4	5MHz	16QAM	20175	25RB#0	0.009~0.15	-59.31	PASS
Band4	5MHz	16QAM	20175	25RB#0	0.15~30	-55.23	PASS
Band4	5MHz	16QAM	20175	25RB#0	30~1000	-66.96	PASS
Band4	5MHz	16QAM	20175	25RB#0	1000~3000	-52.32	PASS
Band4	5MHz	16QAM	20175	25RB#0	3000~20000	-45.76	PASS
Band4	5MHz	16QAM	20375	25RB#0	0.009~0.15	-60.08	PASS
Band4	5MHz	16QAM	20375	25RB#0	0.15~30	-54.27	PASS
Band4	5MHz	16QAM	20375	25RB#0	30~1000	-66.76	PASS
Band4	5MHz	16QAM	20375	25RB#0	1000~3000	-51.96	PASS
Band4	5MHz	16QAM	20375	25RB#0	3000~20000	-45.69	PASS
Band4	10MHz	QPSK	20000	50RB#0	0.009~0.15	-61.97	PASS
Band4	10MHz	QPSK	20000	50RB#0	0.15~30	-55.49	PASS
Band4	10MHz	QPSK	20000	50RB#0	30~1000	-66.65	PASS
Band4	10MHz	QPSK	20000	50RB#0	1000~3000	-52.21	PASS
Band4	10MHz	QPSK	20000	50RB#0	3000~20000	-46.08	PASS
Band4	10MHz	QPSK	20175	50RB#0	0.009~0.15	-60.78	PASS
Band4	10MHz	QPSK	20175	50RB#0	0.15~30	-54.48	PASS
Band4	10MHz	QPSK	20175	50RB#0	30~1000	-66.71	PASS
Band4	10MHz	QPSK	20175	50RB#0	1000~3000	-51.99	PASS
Band4	10MHz	QPSK	20175	50RB#0	3000~20000	-46.10	PASS
Band4	10MHz	QPSK	20350	50RB#0	0.009~0.15	-58.94	PASS
Band4	10MHz	QPSK	20350	50RB#0	0.15~30	-53.24	PASS
Band4	10MHz	QPSK	20350	50RB#0	30~1000	-66.82	PASS
Band4	10MHz	QPSK	20350	50RB#0	1000~3000	-51.67	PASS
Band4	10MHz	QPSK	20350	50RB#0	3000~20000	-46.15	PASS
Band4	10MHz	16QAM	20000	50RB#0	0.009~0.15	-64.46	PASS
Band4	10MHz	16QAM	20000	50RB#0	0.15~30	-53.81	PASS
Band4	10MHz	16QAM	20000	50RB#0	30~1000	-66.97	PASS
Band4	10MHz	16QAM	20000	50RB#0	1000~3000	-51.81	PASS
Band4	10MHz	16QAM	20000	50RB#0	3000~20000	-45.56	PASS
Band4	10MHz	16QAM	20175	50RB#0	0.009~0.15	-64.00	PASS
Band4	10MHz	16QAM	20175	50RB#0	0.15~30	-54.63	PASS
Band4	10MHz	16QAM	20175	50RB#0	30~1000	-67.06	PASS
Band4	10MHz	16QAM	20175	50RB#0	1000~3000	-51.98	PASS
Band4	10MHz	16QAM	20175	50RB#0	3000~20000	-46.24	PASS
Band4	10MHz	16QAM	20350	50RB#0	0.009~0.15	-60.49	PASS
Band4	10MHz	16QAM	20350	50RB#0	0.15~30	-53.45	PASS
Band4	10MHz	16QAM	20350	50RB#0	30~1000	-66.84	PASS
Band4	10MHz	16QAM	20350	50RB#0	1000~3000	-52.48	PASS
Band4	10MHz	16QAM	20350	50RB#0	3000~20000	-45.88	PASS
Band4	15MHz	QPSK	20025	75RB#0	0.009~0.15	-62.08	PASS
Band4	15MHz	QPSK	20025	75RB#0	0.15~30	-54.74	PASS

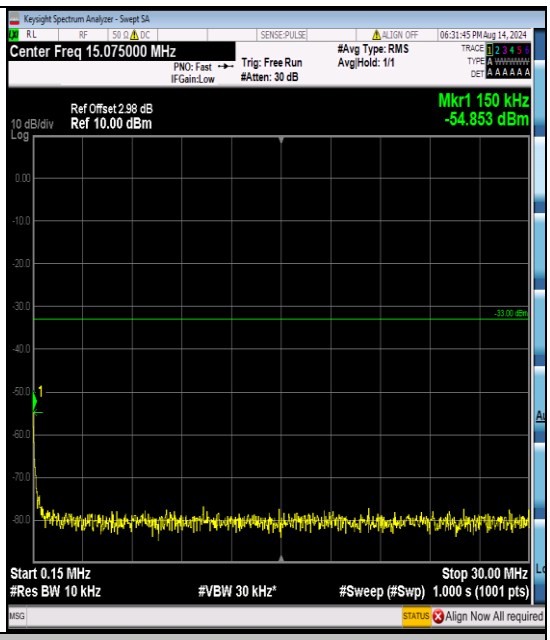
Band4	15MHz	QPSK	20025	75RB#0	30~1000	-66.96	PASS
Band4	15MHz	QPSK	20025	75RB#0	1000~3000	-52.00	PASS
Band4	15MHz	QPSK	20025	75RB#0	3000~20000	-45.89	PASS
Band4	15MHz	QPSK	20175	75RB#0	0.009~0.15	-61.84	PASS
Band4	15MHz	QPSK	20175	75RB#0	0.15~30	-53.94	PASS
Band4	15MHz	QPSK	20175	75RB#0	30~1000	-66.96	PASS
Band4	15MHz	QPSK	20175	75RB#0	1000~3000	-51.82	PASS
Band4	15MHz	QPSK	20175	75RB#0	3000~20000	-45.89	PASS
Band4	15MHz	QPSK	20325	75RB#0	0.009~0.15	-59.89	PASS
Band4	15MHz	QPSK	20325	75RB#0	0.15~30	-55.36	PASS
Band4	15MHz	QPSK	20325	75RB#0	30~1000	-66.68	PASS
Band4	15MHz	QPSK	20325	75RB#0	1000~3000	-52.18	PASS
Band4	15MHz	QPSK	20325	75RB#0	3000~20000	-45.91	PASS
Band4	15MHz	16QAM	20025	75RB#0	0.009~0.15	-62.34	PASS
Band4	15MHz	16QAM	20025	75RB#0	0.15~30	-54.88	PASS
Band4	15MHz	16QAM	20025	75RB#0	30~1000	-66.40	PASS
Band4	15MHz	16QAM	20025	75RB#0	1000~3000	-52.07	PASS
Band4	15MHz	16QAM	20025	75RB#0	3000~20000	-46.10	PASS
Band4	15MHz	16QAM	20175	75RB#0	0.009~0.15	-62.99	PASS
Band4	15MHz	16QAM	20175	75RB#0	0.15~30	-53.98	PASS
Band4	15MHz	16QAM	20175	75RB#0	30~1000	-66.69	PASS
Band4	15MHz	16QAM	20175	75RB#0	1000~3000	-52.31	PASS
Band4	15MHz	16QAM	20175	75RB#0	3000~20000	-46.08	PASS
Band4	15MHz	16QAM	20325	75RB#0	0.009~0.15	-63.94	PASS
Band4	15MHz	16QAM	20325	75RB#0	0.15~30	-55.25	PASS
Band4	15MHz	16QAM	20325	75RB#0	30~1000	-66.70	PASS
Band4	15MHz	16QAM	20325	75RB#0	1000~3000	-51.72	PASS
Band4	15MHz	16QAM	20325	75RB#0	3000~20000	-45.32	PASS
Band4	20MHz	QPSK	20050	100RB#0	0.009~0.15	-58.99	PASS
Band4	20MHz	QPSK	20050	100RB#0	0.15~30	-55.07	PASS
Band4	20MHz	QPSK	20050	100RB#0	30~1000	-66.61	PASS
Band4	20MHz	QPSK	20050	100RB#0	1000~3000	-52.43	PASS
Band4	20MHz	QPSK	20050	100RB#0	3000~20000	-45.98	PASS
Band4	20MHz	QPSK	20175	100RB#0	0.009~0.15	-60.96	PASS
Band4	20MHz	QPSK	20175	100RB#0	0.15~30	-55.09	PASS
Band4	20MHz	QPSK	20175	100RB#0	30~1000	-66.65	PASS
Band4	20MHz	QPSK	20175	100RB#0	1000~3000	-52.16	PASS
Band4	20MHz	QPSK	20175	100RB#0	3000~20000	-45.60	PASS
Band4	20MHz	QPSK	20300	100RB#0	0.009~0.15	-63.13	PASS
Band4	20MHz	QPSK	20300	100RB#0	0.15~30	-53.39	PASS
Band4	20MHz	QPSK	20300	100RB#0	30~1000	-66.21	PASS
Band4	20MHz	QPSK	20300	100RB#0	1000~3000	-52.36	PASS
Band4	20MHz	QPSK	20300	100RB#0	3000~20000	-45.98	PASS

Band4	20MHz	16QAM	20050	100RB#0	0.009~0.15	-62.77	PASS
Band4	20MHz	16QAM	20050	100RB#0	0.15~30	-54.48	PASS
Band4	20MHz	16QAM	20050	100RB#0	30~1000	-66.66	PASS
Band4	20MHz	16QAM	20050	100RB#0	1000~3000	-50.57	PASS
Band4	20MHz	16QAM	20050	100RB#0	3000~20000	-45.84	PASS
Band4	20MHz	16QAM	20175	100RB#0	0.009~0.15	-62.56	PASS
Band4	20MHz	16QAM	20175	100RB#0	0.15~30	-52.63	PASS
Band4	20MHz	16QAM	20175	100RB#0	30~1000	-66.76	PASS
Band4	20MHz	16QAM	20175	100RB#0	1000~3000	-52.18	PASS
Band4	20MHz	16QAM	20175	100RB#0	3000~20000	-46.04	PASS
Band4	20MHz	16QAM	20300	100RB#0	0.009~0.15	-62.99	PASS
Band4	20MHz	16QAM	20300	100RB#0	0.15~30	-55.01	PASS
Band4	20MHz	16QAM	20300	100RB#0	30~1000	-66.83	PASS
Band4	20MHz	16QAM	20300	100RB#0	1000~3000	-51.96	PASS
Band4	20MHz	16QAM	20300	100RB#0	3000~20000	-45.71	PASS

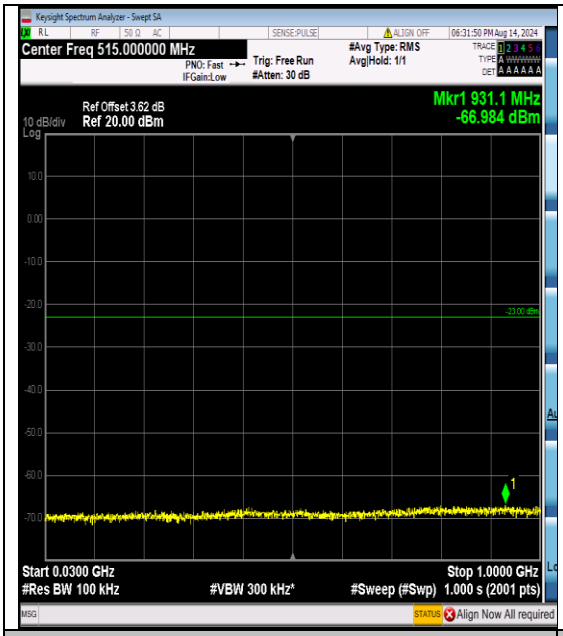
Test Graphs



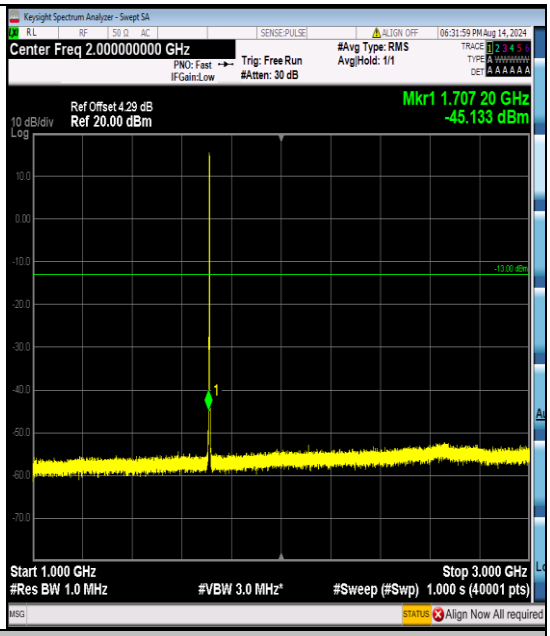
Band4_1.4MHz_QPSK_19957_6RB#0_0.009~0.15_0.009~0.15



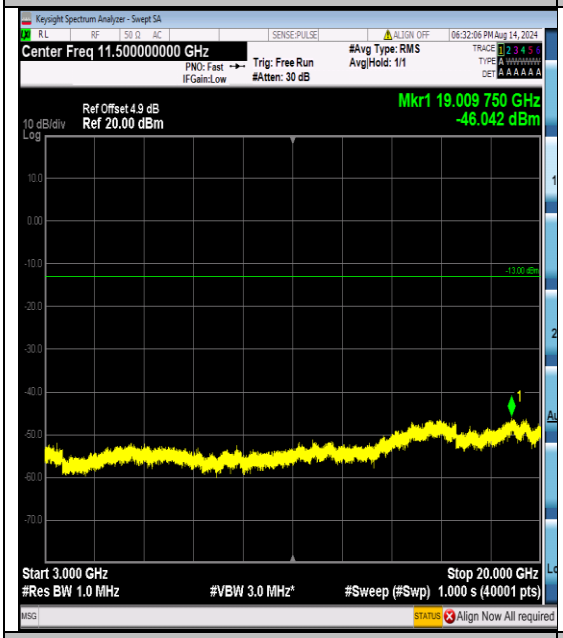
Band4_1.4MHz_QPSK_19957_6RB#0_0.15~30_0.15~30



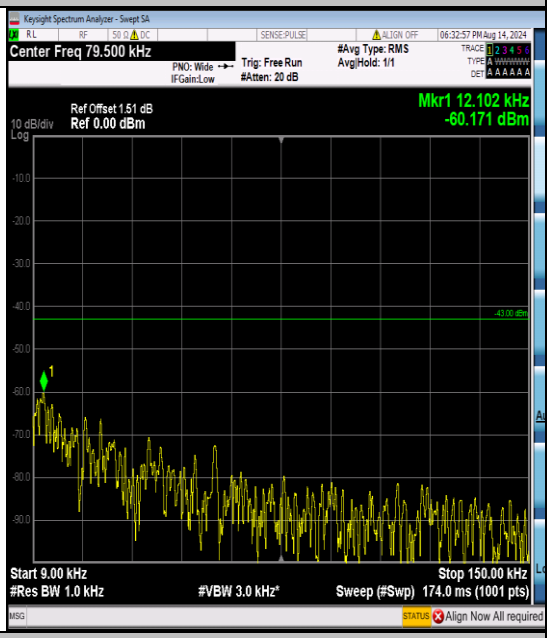
Band4_1.4MHz_QPSK_19957_6RB#0_30~1000_30~1000



Band4_1.4MHz_QPSK_19957_6RB#0_1000~3000_1000~3000



Band4_1.4MHz_QPSK_19957_6RB#0_3000~20000_3000~20000



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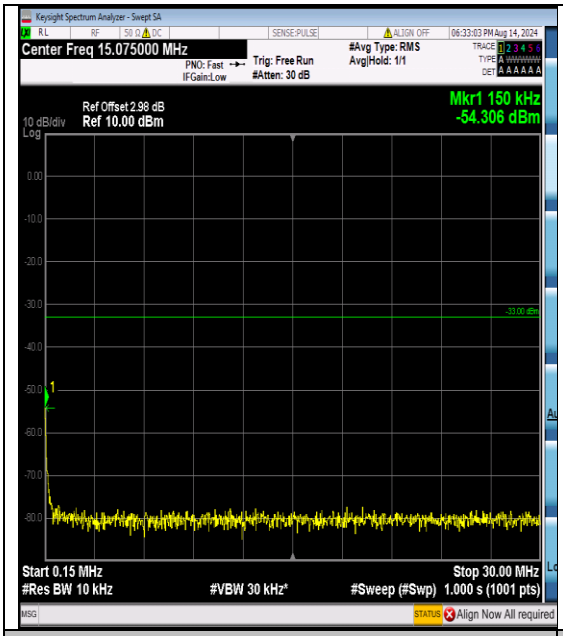
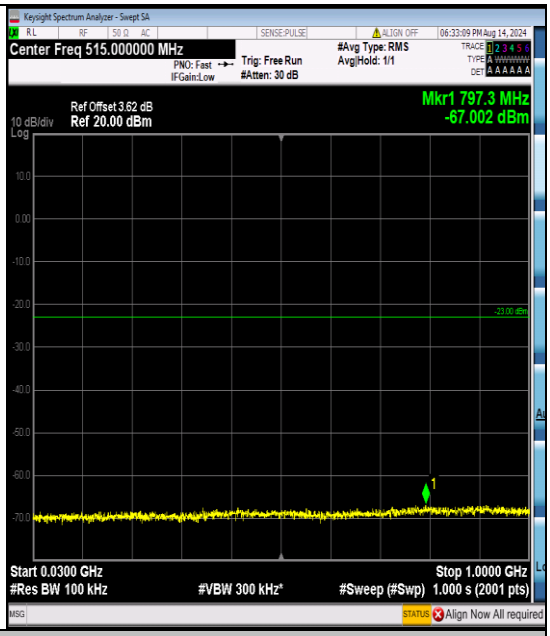
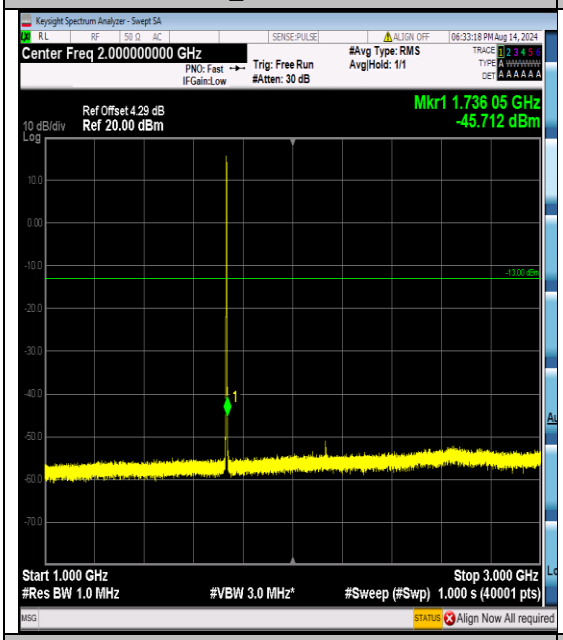


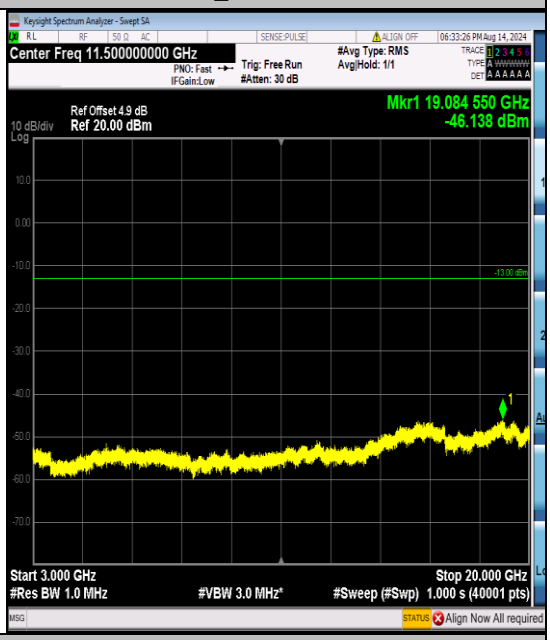
Band4_1.4MHz_QPSK_20175_6RB#0_0.15~30_0.15~30



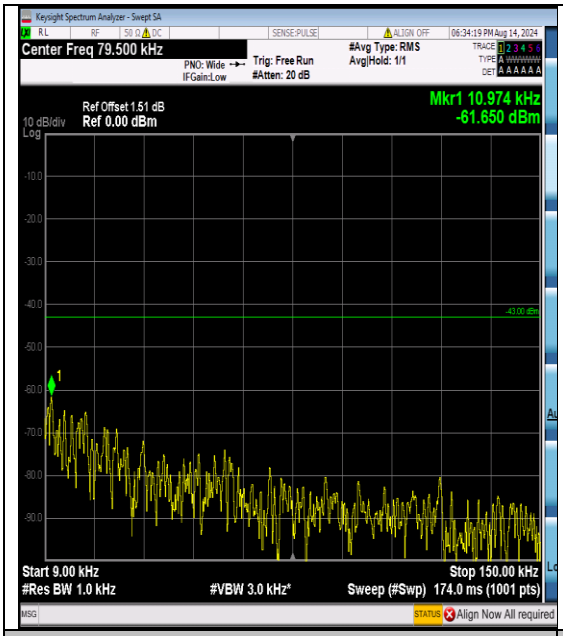
Band4_1.4MHz_QPSK_20175_6RB#0_30~1000_30~1000



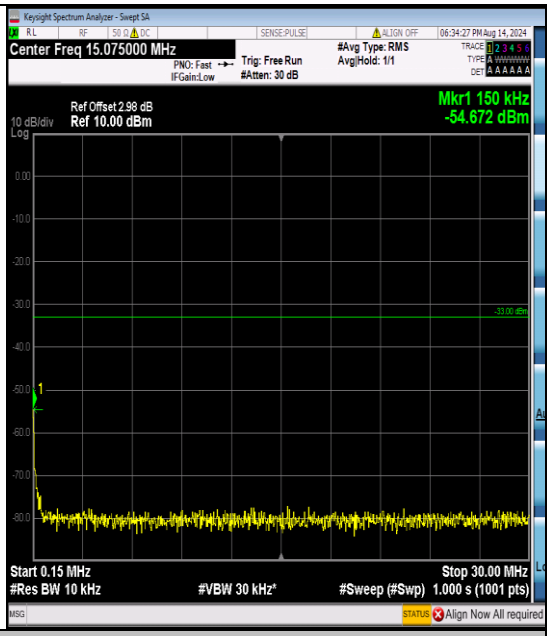
Band4_1.4MHz_QPSK_20175_6RB#0_1000~3000_1000~3000



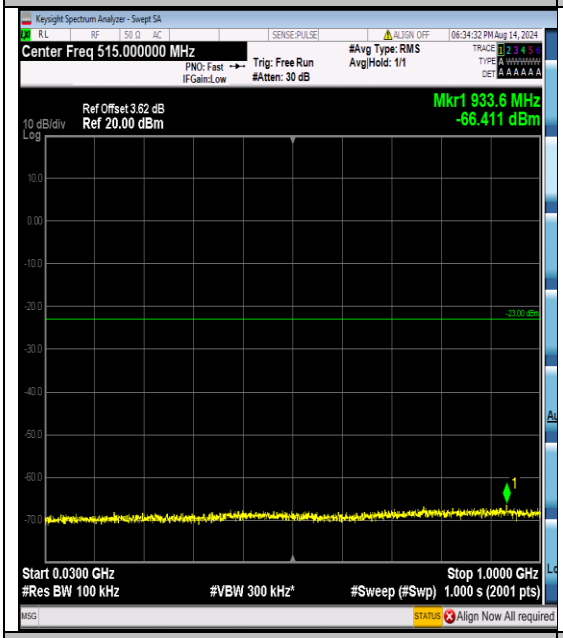
Band4_1.4MHz_QPSK_20175_6RB#0_3000~20000_3000~20000



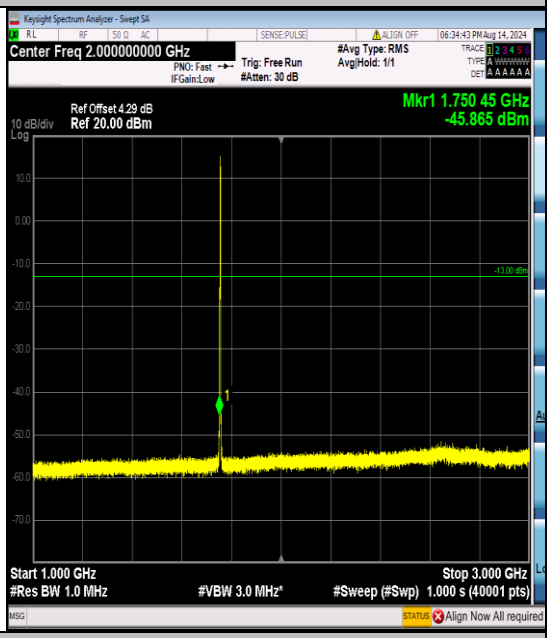
Band4_1.4MHz_QPSK_20393_6RB#0_0.009~0.15_0.009~0.15



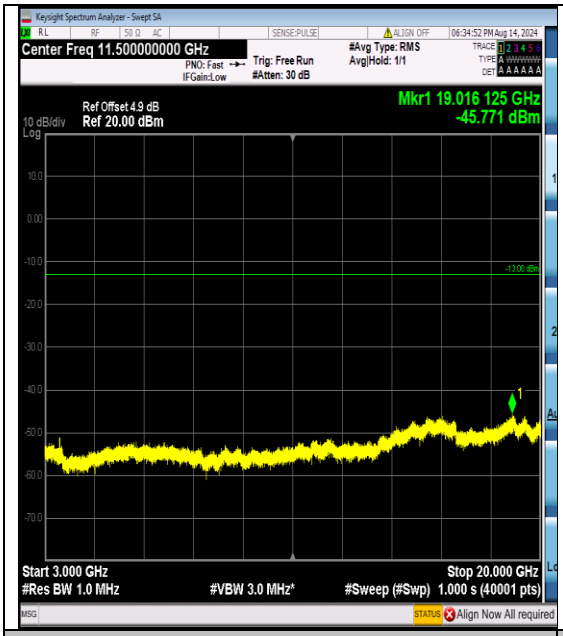
Band4_1.4MHz_QPSK_20393_6RB#0_0.15~30_0.15~30



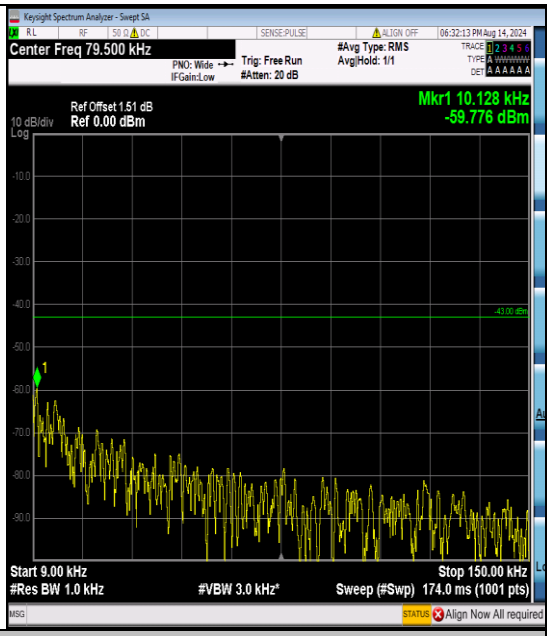
Band4_1.4MHz_QPSK_20393_6RB#0_30~1000_30~1000



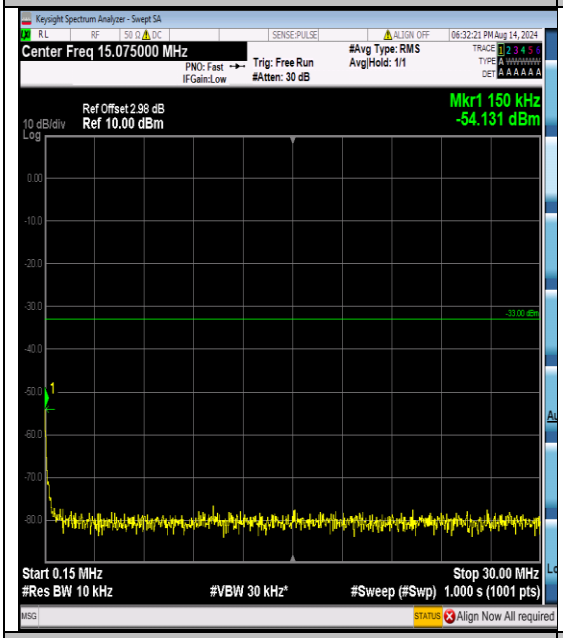
Band4_1.4MHz_QPSK_20393_6RB#0_1000~3000_1000~3000



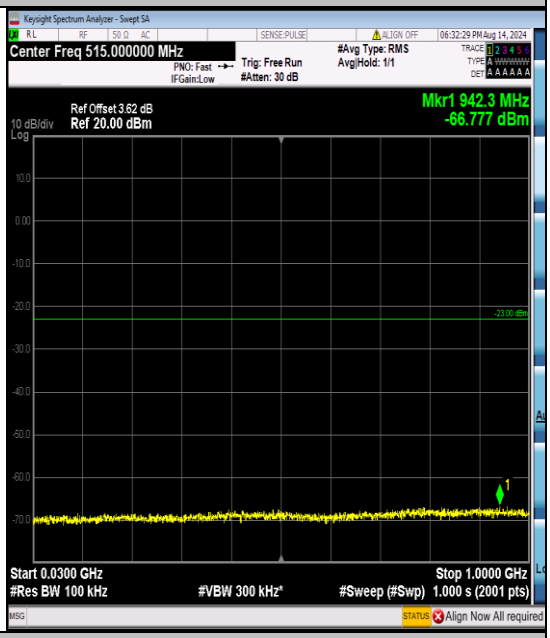
Band4_1.4MHz_QPSK_20393_6RB#0_3000~20000_3000~20000



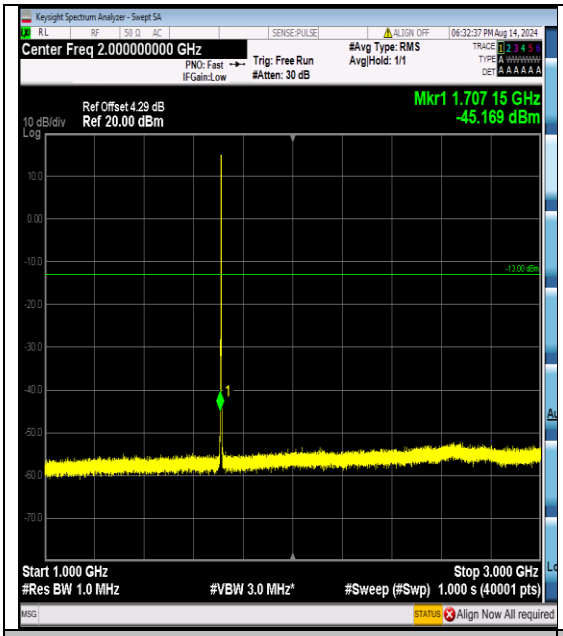
Band4_1.4MHz_16QAM_19957_6RB#0_0.009~0.15_0.009~0.15



Band4_1.4MHz_16QAM_19957_6RB#0_0.15~30_0.15~30

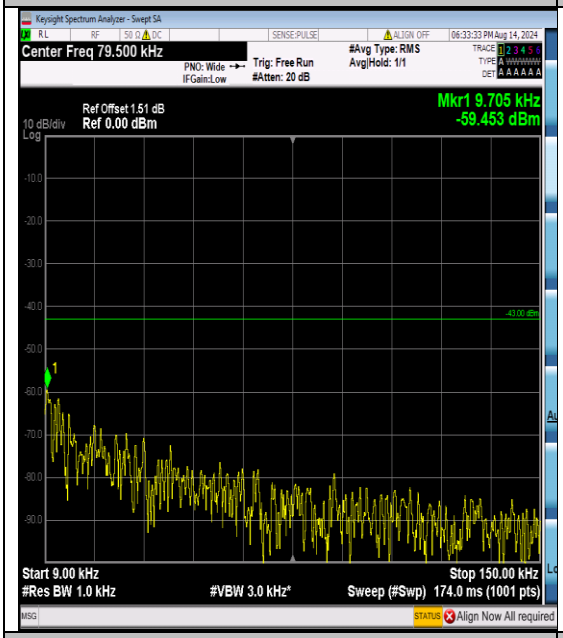


Band4_1.4MHz_16QAM_19957_6RB#0_30~1000_30~1000

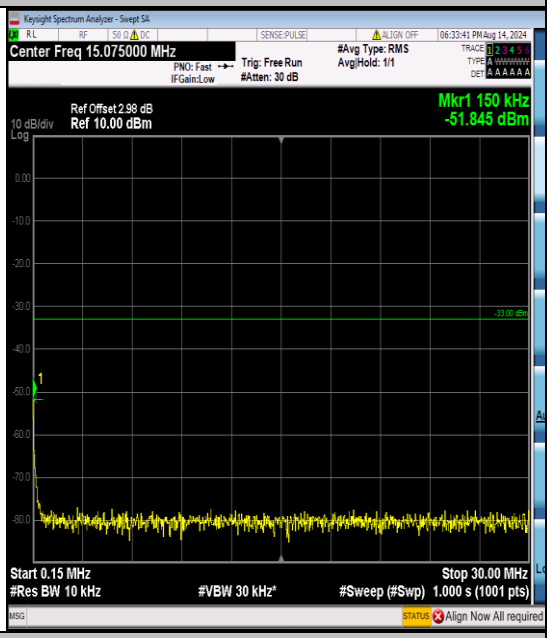


Band4_1.4MHz_16QAM_19957_6RB#0_1000~3000_1000~3000

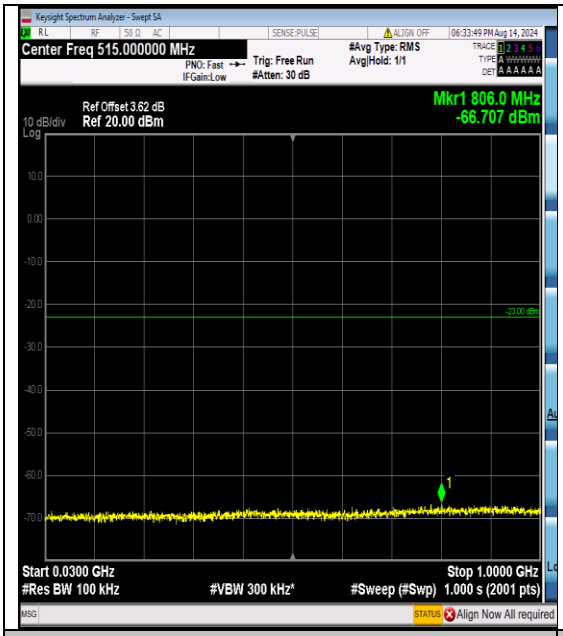
Band4_1.4MHz_16QAM_19957_6RB#0_3000~20000_3000~20000



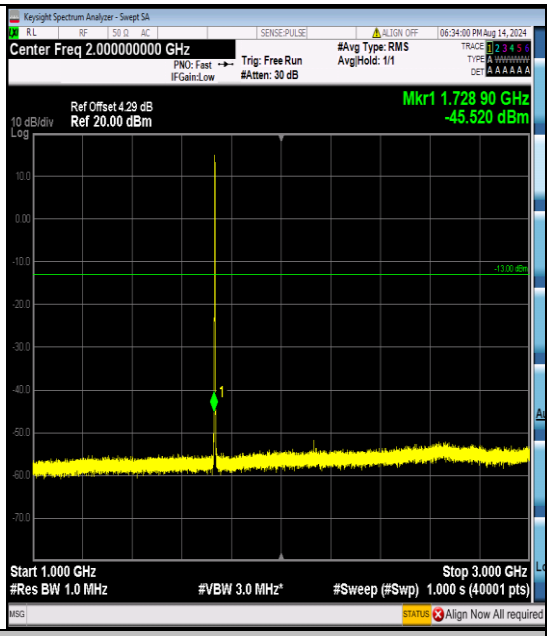
Band4_1.4MHz_16QAM_20175_6RB#0_0.009~0.15_0.009~0.15



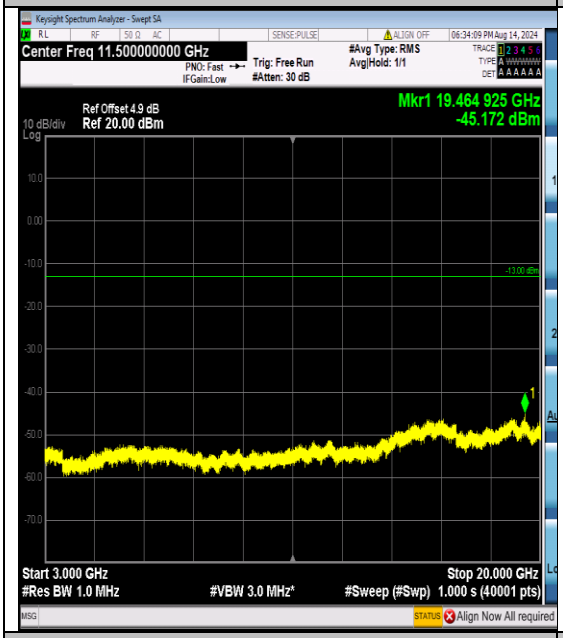
Band4_1.4MHz_16QAM_20175_6RB#0_0.15~30_0.15~30



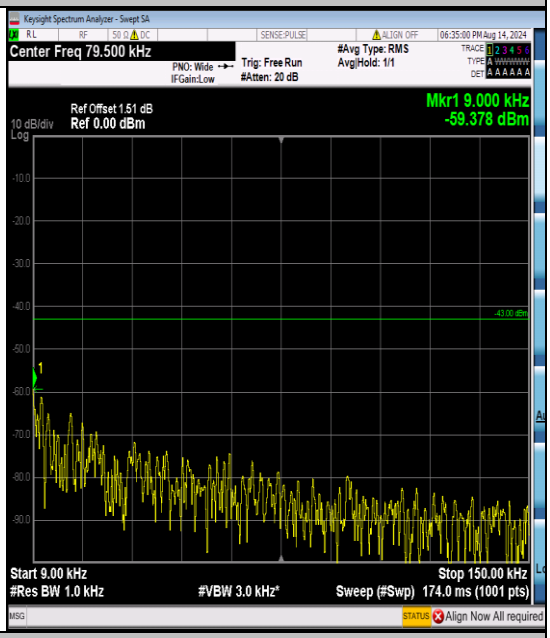
Band4_1.4MHz_16QAM_20175_6RB#0_30~1000_30~1000



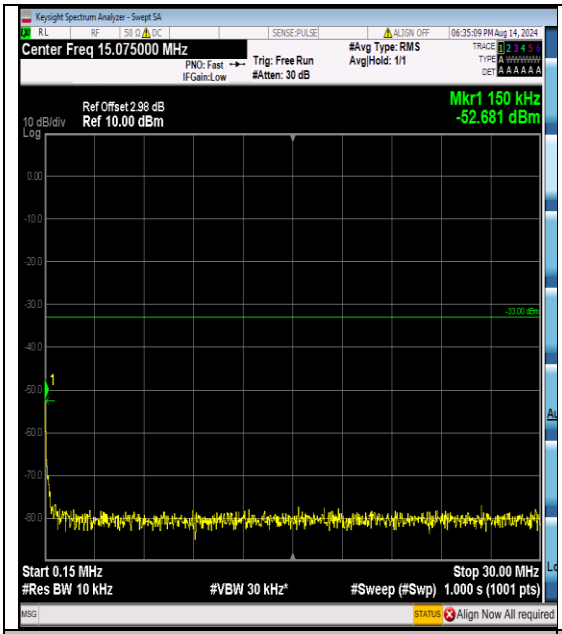
Band4_1.4MHz_16QAM_20175_6RB#0_1000~3000_1000~3000



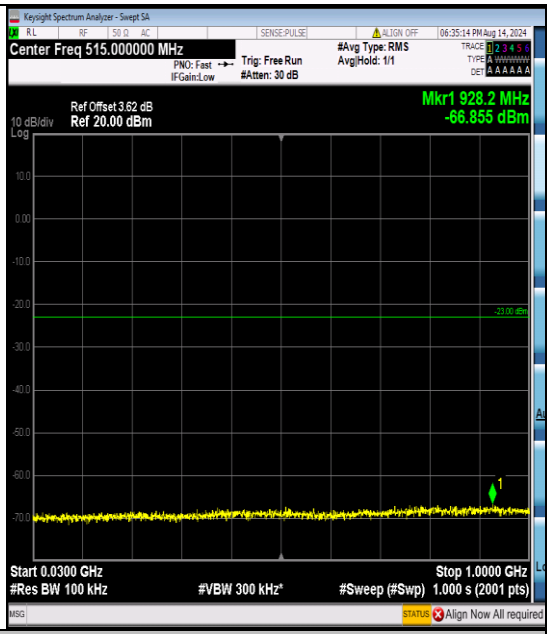
Band4_1.4MHz_16QAM_20175_6RB#0_3000~20000_3000~20000



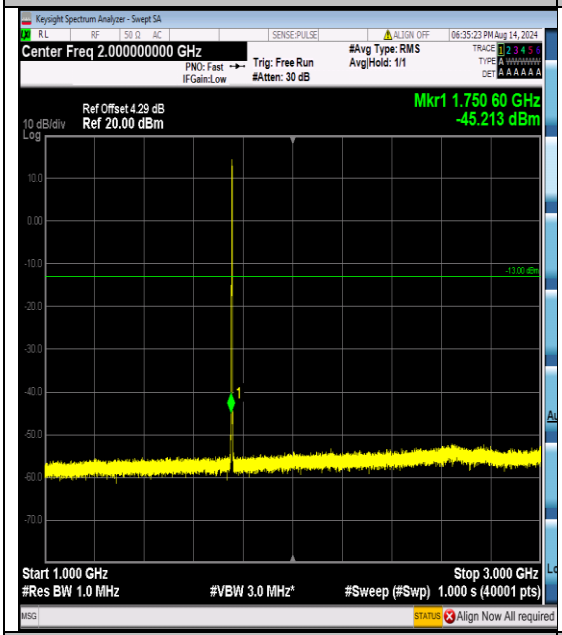
Band4_1.4MHz_16QAM_20393_6RB#0_0.009~0.15_0.009~0.15



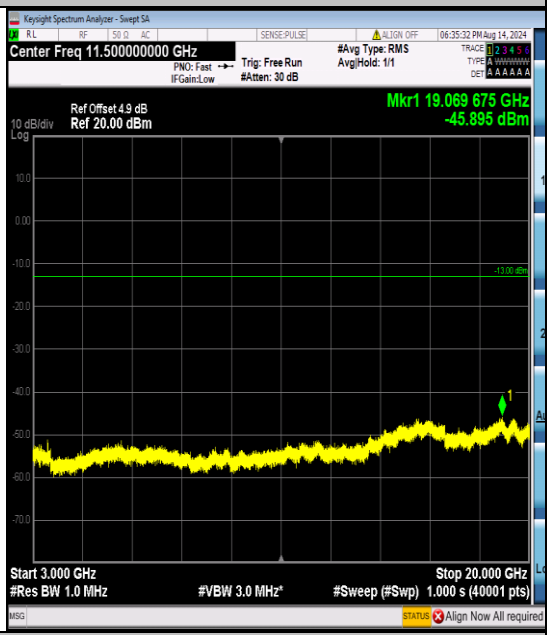
Band4_1.4MHz_16QAM_20393_6RB#0_0.15~30_0.15~30



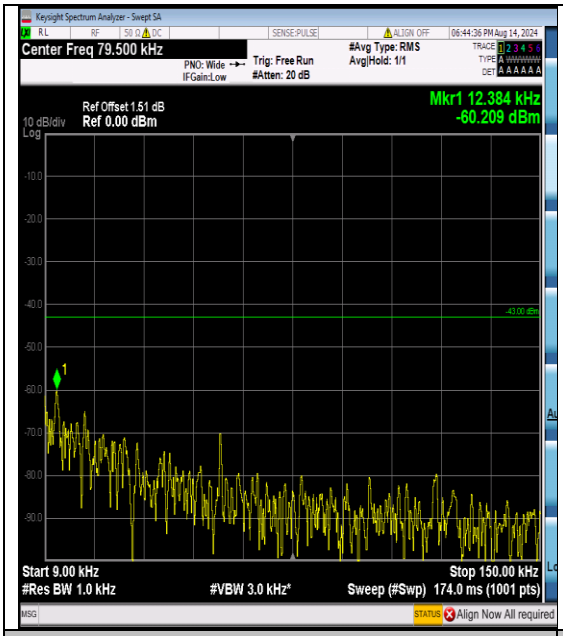
Band4_1.4MHz_16QAM_20393_6RB#0_30~1000_30~1000



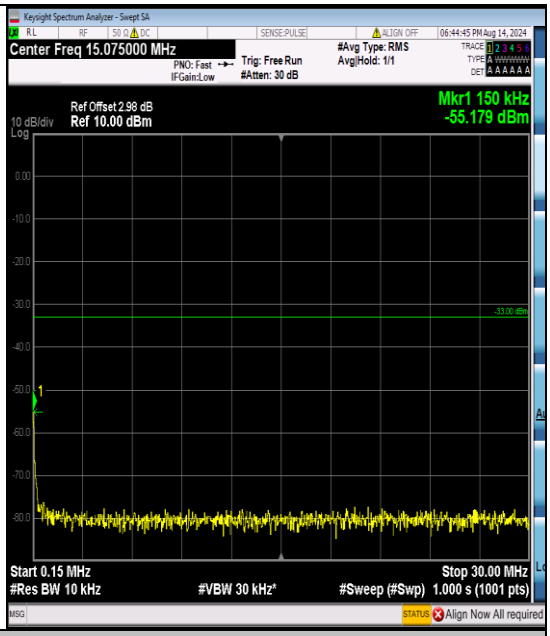
Band4_1.4MHz_16QAM_20393_6RB#0_1000~3000_1000~3000



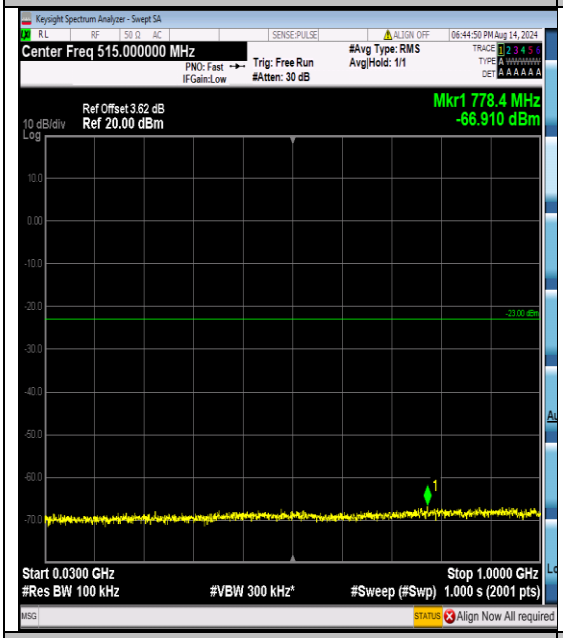
Band4_1.4MHz_16QAM_20393_6RB#0_3000~20000_3000~20000



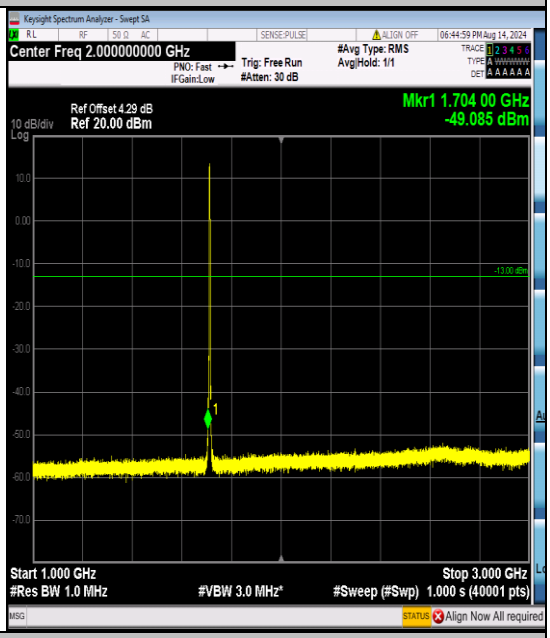
Band4_3MHz_QPSK_19965_15RB#0_0.009~0.15_0.009~0.15



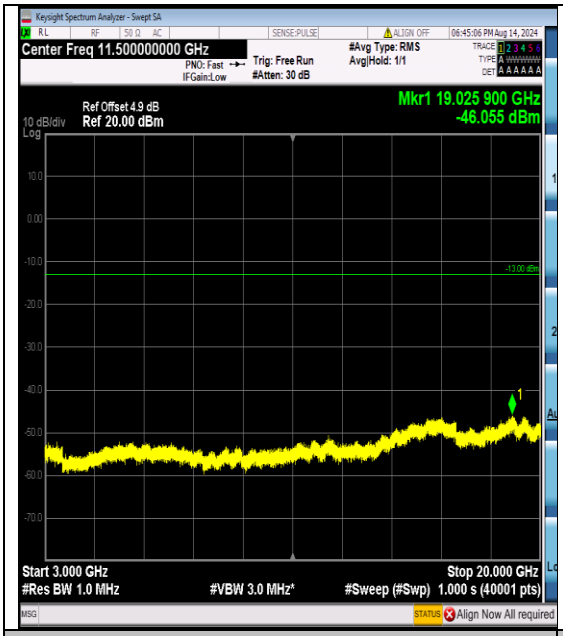
Band4_3MHz_QPSK_19965_15RB#0_0.15~30_0.15~30



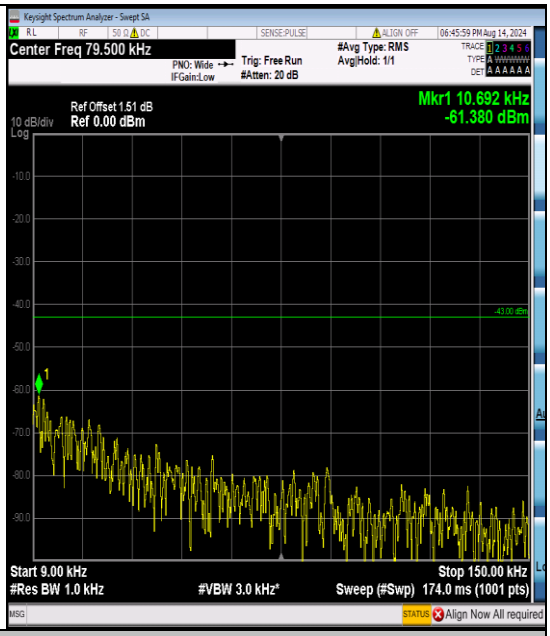
Band4_3MHz_QPSK_19965_15RB#0_30~1000_30~1000



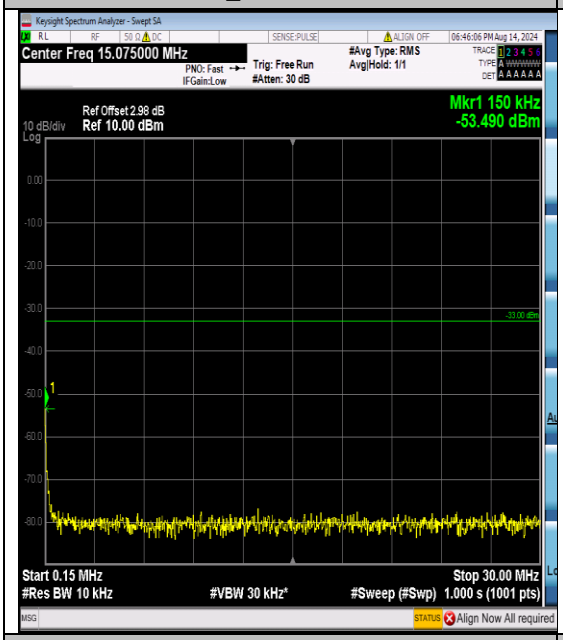
Band4_3MHz_QPSK_19965_15RB#0_1000~3000_1000~3000



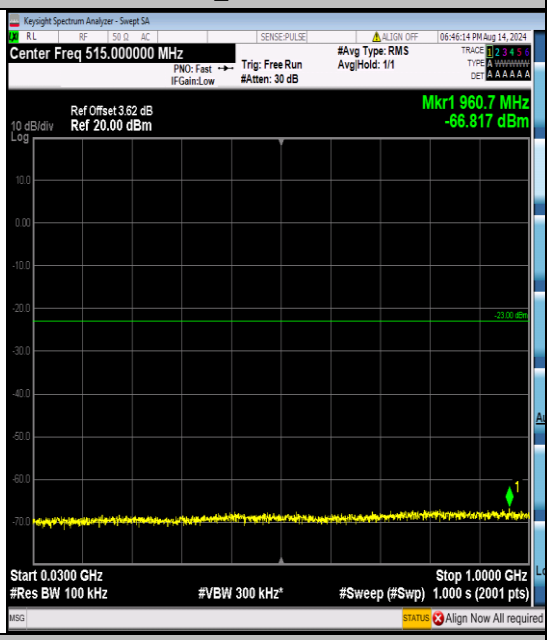
Band4_3MHz_QPSK_19965_15RB#0_3000~20000_3000~20000



Band4_3MHz_QPSK_20175_15RB#0_0.009~0.15_0.009~0.15



Band4_3MHz_QPSK_20175_15RB#0_0.15~30_0.15~30



Band4_3MHz_QPSK_20175_15RB#0_30~1000_30~1000