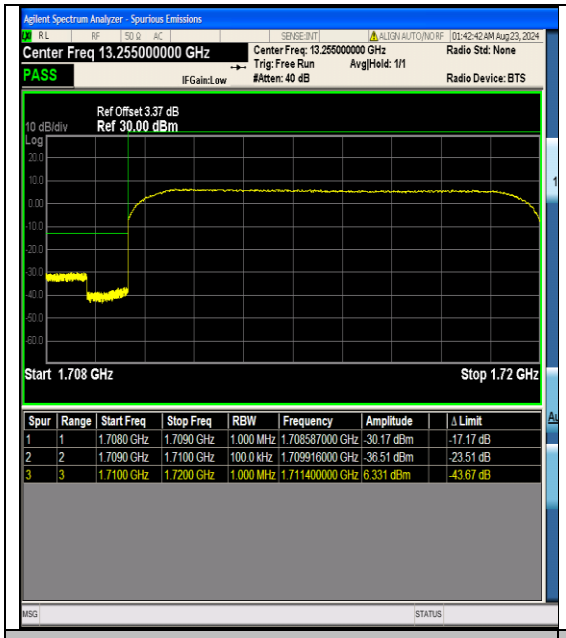
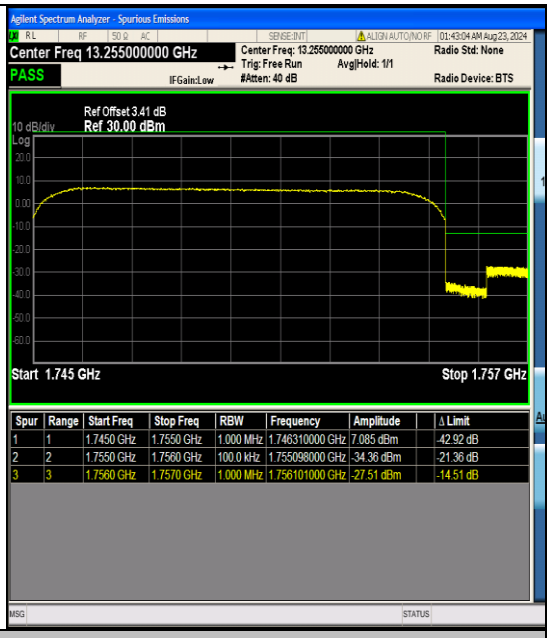
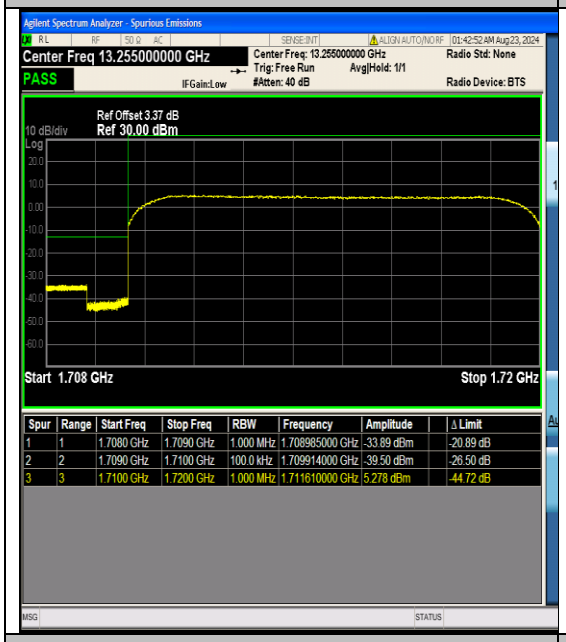


Band4_10MHz_QPSK_20000_50RB#0



Band4_10MHz_QPSK_20350_50RB#0



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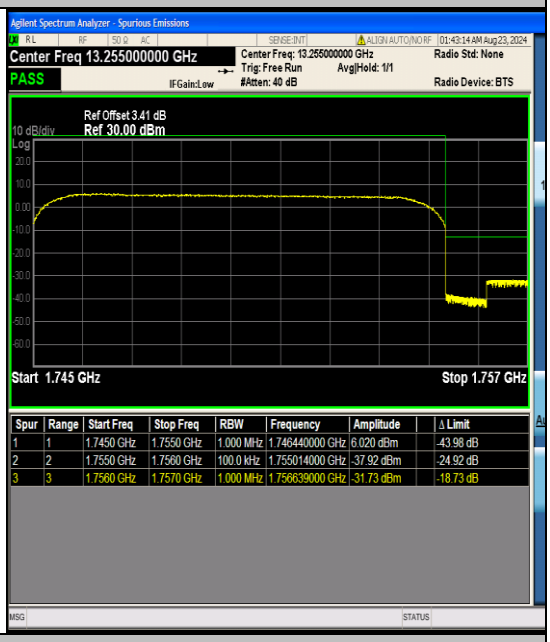

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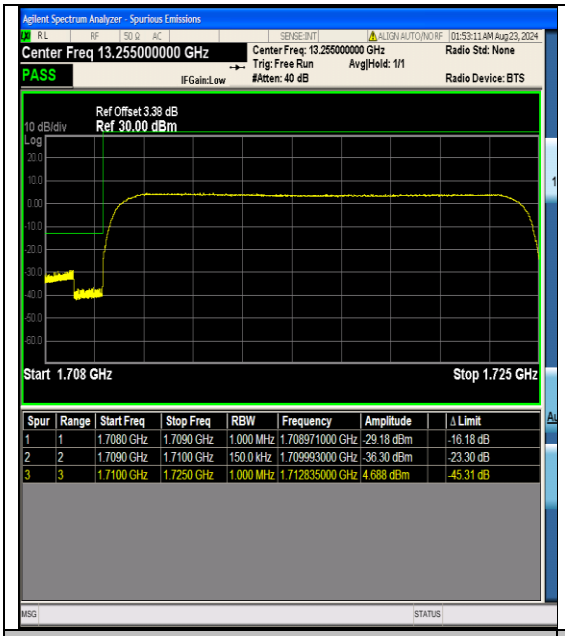
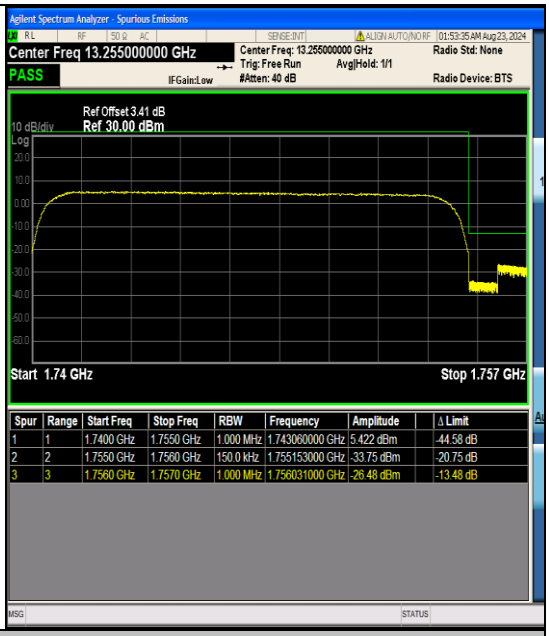


Band4_15MHz_QPSK_20025_75RB#0



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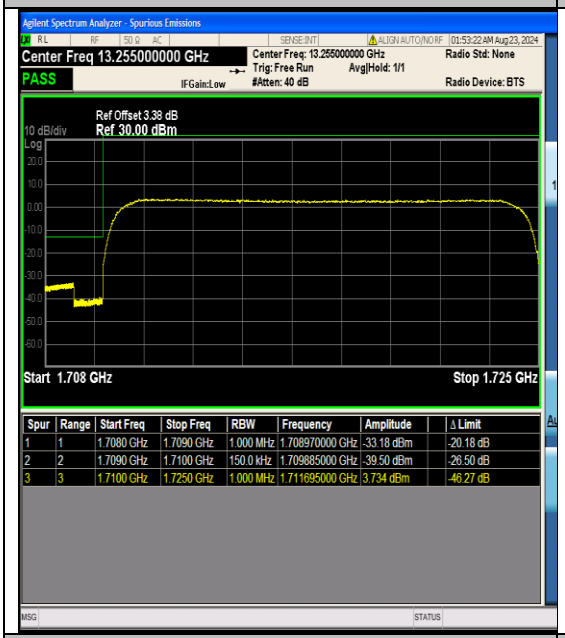
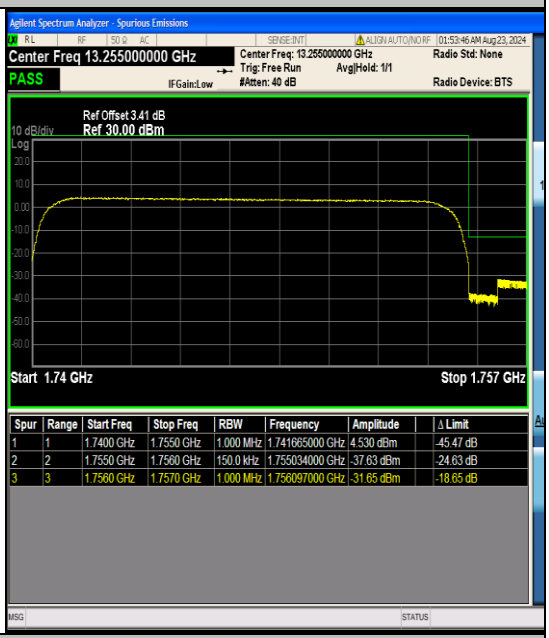
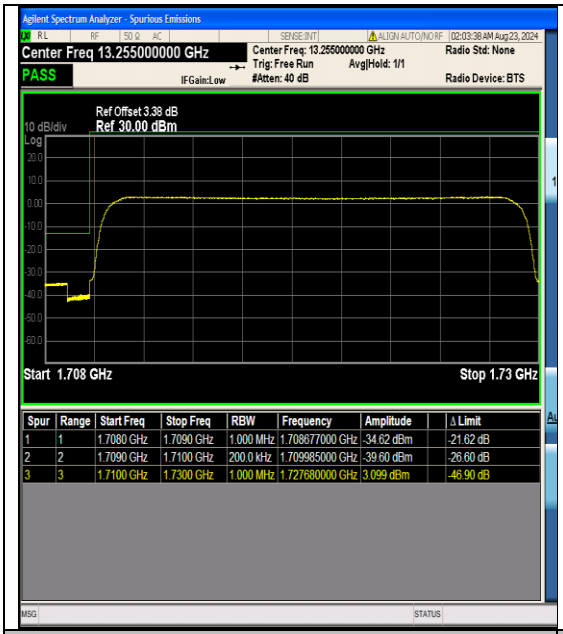


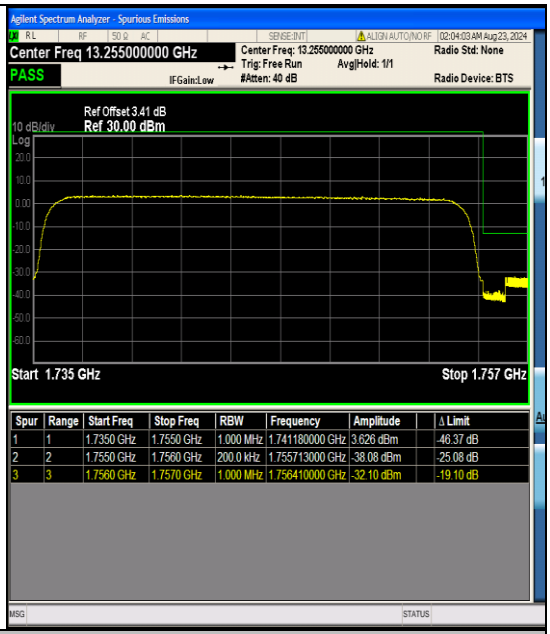
Band4_15MHz_16QAM_20025_75RB#0



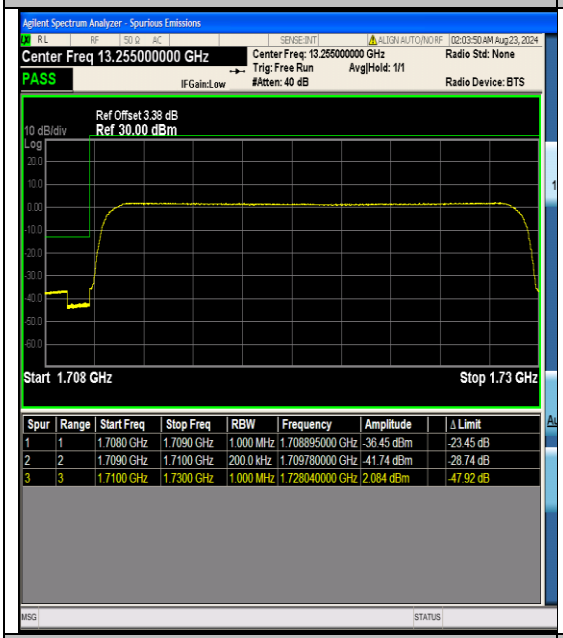
Band4_15MHz_16QAM_20325_75RB#0



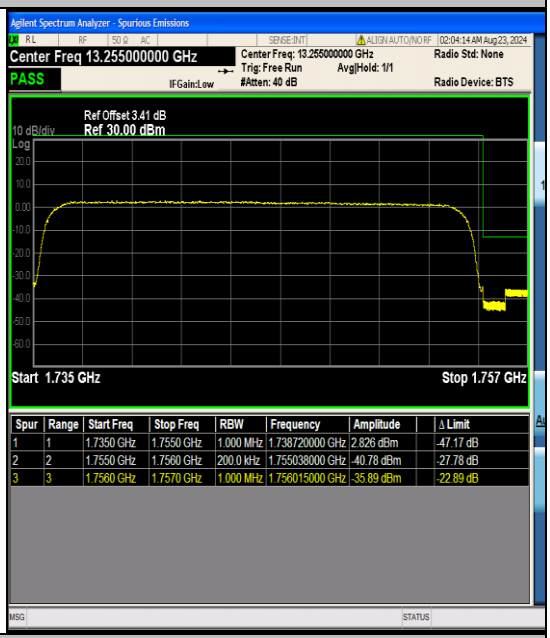
Band4_20MHz_QPSK_20050_100RB#0



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	-63.70	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	0.15~30	-58.48	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	30~1000	-66.53	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	1000~3000	-39.24	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	3000~20000	-45.63	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	0.009~0.15	-65.96	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	0.15~30	-57.78	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	30~1000	-61.27	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	1000~3000	-39.66	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	3000~20000	-45.61	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	0.009~0.15	-65.11	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	0.15~30	-58.41	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	30~1000	-66.74	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	1000~3000	-39.98	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	3000~20000	-45.92	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	0.009~0.15	-64.43	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	0.15~30	-57.87	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	30~1000	-66.72	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	1000~3000	-41.94	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	3000~20000	-45.70	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	0.009~0.15	-64.25	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	0.15~30	-58.51	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	30~1000	-64.78	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	1000~3000	-41.12	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	3000~20000	-46.05	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	0.009~0.15	-64.73	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	0.15~30	-58.23	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	30~1000	-66.72	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	1000~3000	-39.62	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	3000~20000	-45.86	PASS
Band4	3MHz	QPSK	19965	15RB#0	0.009~0.15	-62.15	PASS
Band4	3MHz	QPSK	19965	15RB#0	0.15~30	-57.81	PASS
Band4	3MHz	QPSK	19965	15RB#0	30~1000	-66.63	PASS
Band4	3MHz	QPSK	19965	15RB#0	1000~3000	-39.99	PASS
Band4	3MHz	QPSK	19965	15RB#0	3000~20000	-45.14	PASS
Band4	3MHz	QPSK	20175	15RB#0	0.009~0.15	-65.08	PASS

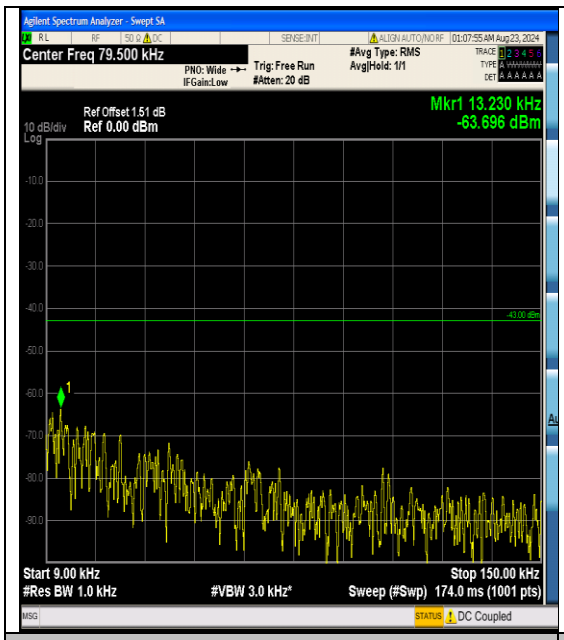
Band4	3MHz	QPSK	20175	15RB#0	0.15~30	-59.76	PASS
Band4	3MHz	QPSK	20175	15RB#0	30~1000	-66.79	PASS
Band4	3MHz	QPSK	20175	15RB#0	1000~3000	-41.46	PASS
Band4	3MHz	QPSK	20175	15RB#0	3000~20000	-45.74	PASS
Band4	3MHz	QPSK	20385	15RB#0	0.009~0.15	-65.02	PASS
Band4	3MHz	QPSK	20385	15RB#0	0.15~30	-59.10	PASS
Band4	3MHz	QPSK	20385	15RB#0	30~1000	-66.78	PASS
Band4	3MHz	QPSK	20385	15RB#0	1000~3000	-42.70	PASS
Band4	3MHz	QPSK	20385	15RB#0	3000~20000	-45.49	PASS
Band4	3MHz	16QAM	19965	15RB#0	0.009~0.15	-61.33	PASS
Band4	3MHz	16QAM	19965	15RB#0	0.15~30	-56.22	PASS
Band4	3MHz	16QAM	19965	15RB#0	30~1000	-66.25	PASS
Band4	3MHz	16QAM	19965	15RB#0	1000~3000	-43.55	PASS
Band4	3MHz	16QAM	19965	15RB#0	3000~20000	-45.44	PASS
Band4	3MHz	16QAM	20175	15RB#0	0.009~0.15	-63.65	PASS
Band4	3MHz	16QAM	20175	15RB#0	0.15~30	-58.60	PASS
Band4	3MHz	16QAM	20175	15RB#0	30~1000	-66.68	PASS
Band4	3MHz	16QAM	20175	15RB#0	1000~3000	-43.18	PASS
Band4	3MHz	16QAM	20175	15RB#0	3000~20000	-45.92	PASS
Band4	3MHz	16QAM	20385	15RB#0	0.009~0.15	-64.28	PASS
Band4	3MHz	16QAM	20385	15RB#0	0.15~30	-58.42	PASS
Band4	3MHz	16QAM	20385	15RB#0	30~1000	-66.62	PASS
Band4	3MHz	16QAM	20385	15RB#0	1000~3000	-42.89	PASS
Band4	3MHz	16QAM	20385	15RB#0	3000~20000	-45.39	PASS
Band4	5MHz	QPSK	19975	25RB#0	0.009~0.15	-64.19	PASS
Band4	5MHz	QPSK	19975	25RB#0	0.15~30	-58.82	PASS
Band4	5MHz	QPSK	19975	25RB#0	30~1000	-66.79	PASS
Band4	5MHz	QPSK	19975	25RB#0	1000~3000	-45.71	PASS
Band4	5MHz	QPSK	19975	25RB#0	3000~20000	-45.67	PASS
Band4	5MHz	QPSK	20175	25RB#0	0.009~0.15	-65.48	PASS
Band4	5MHz	QPSK	20175	25RB#0	0.15~30	-56.91	PASS
Band4	5MHz	QPSK	20175	25RB#0	30~1000	-66.47	PASS
Band4	5MHz	QPSK	20175	25RB#0	1000~3000	-42.08	PASS
Band4	5MHz	QPSK	20175	25RB#0	3000~20000	-45.84	PASS
Band4	5MHz	QPSK	20375	25RB#0	0.009~0.15	-66.92	PASS
Band4	5MHz	QPSK	20375	25RB#0	0.15~30	-58.07	PASS
Band4	5MHz	QPSK	20375	25RB#0	30~1000	-66.47	PASS
Band4	5MHz	QPSK	20375	25RB#0	1000~3000	-44.65	PASS
Band4	5MHz	QPSK	20375	25RB#0	3000~20000	-45.96	PASS
Band4	5MHz	16QAM	19975	25RB#0	0.009~0.15	-64.00	PASS
Band4	5MHz	16QAM	19975	25RB#0	0.15~30	-58.67	PASS
Band4	5MHz	16QAM	19975	25RB#0	30~1000	-66.54	PASS
Band4	5MHz	16QAM	19975	25RB#0	1000~3000	-47.92	PASS

Band4	5MHz	16QAM	19975	25RB#0	3000~20000	-45.99	PASS
Band4	5MHz	16QAM	20175	25RB#0	0.009~0.15	-65.09	PASS
Band4	5MHz	16QAM	20175	25RB#0	0.15~30	-58.23	PASS
Band4	5MHz	16QAM	20175	25RB#0	30~1000	-59.17	PASS
Band4	5MHz	16QAM	20175	25RB#0	1000~3000	-44.19	PASS
Band4	5MHz	16QAM	20175	25RB#0	3000~20000	-45.86	PASS
Band4	5MHz	16QAM	20375	25RB#0	0.009~0.15	-66.11	PASS
Band4	5MHz	16QAM	20375	25RB#0	0.15~30	-57.58	PASS
Band4	5MHz	16QAM	20375	25RB#0	30~1000	-66.69	PASS
Band4	5MHz	16QAM	20375	25RB#0	1000~3000	-44.49	PASS
Band4	5MHz	16QAM	20375	25RB#0	3000~20000	-45.50	PASS
Band4	10MHz	QPSK	20000	50RB#0	0.009~0.15	-64.18	PASS
Band4	10MHz	QPSK	20000	50RB#0	0.15~30	-56.84	PASS
Band4	10MHz	QPSK	20000	50RB#0	30~1000	-66.80	PASS
Band4	10MHz	QPSK	20000	50RB#0	1000~3000	-37.55	PASS
Band4	10MHz	QPSK	20000	50RB#0	3000~20000	-45.64	PASS
Band4	10MHz	QPSK	20175	50RB#0	0.009~0.15	-61.84	PASS
Band4	10MHz	QPSK	20175	50RB#0	0.15~30	-59.88	PASS
Band4	10MHz	QPSK	20175	50RB#0	30~1000	-66.52	PASS
Band4	10MHz	QPSK	20175	50RB#0	1000~3000	-47.61	PASS
Band4	10MHz	QPSK	20175	50RB#0	3000~20000	-45.51	PASS
Band4	10MHz	QPSK	20350	50RB#0	0.009~0.15	-63.70	PASS
Band4	10MHz	QPSK	20350	50RB#0	0.15~30	-58.38	PASS
Band4	10MHz	QPSK	20350	50RB#0	30~1000	-66.83	PASS
Band4	10MHz	QPSK	20350	50RB#0	1000~3000	-48.03	PASS
Band4	10MHz	QPSK	20350	50RB#0	3000~20000	-45.56	PASS
Band4	10MHz	16QAM	20000	50RB#0	0.009~0.15	-61.54	PASS
Band4	10MHz	16QAM	20000	50RB#0	0.15~30	-59.89	PASS
Band4	10MHz	16QAM	20000	50RB#0	30~1000	-66.81	PASS
Band4	10MHz	16QAM	20000	50RB#0	1000~3000	-46.58	PASS
Band4	10MHz	16QAM	20000	50RB#0	3000~20000	-45.71	PASS
Band4	10MHz	16QAM	20175	50RB#0	0.009~0.15	-66.25	PASS
Band4	10MHz	16QAM	20175	50RB#0	0.15~30	-57.82	PASS
Band4	10MHz	16QAM	20175	50RB#0	30~1000	-66.47	PASS
Band4	10MHz	16QAM	20175	50RB#0	1000~3000	-48.65	PASS
Band4	10MHz	16QAM	20175	50RB#0	3000~20000	-45.52	PASS
Band4	10MHz	16QAM	20350	50RB#0	0.009~0.15	-64.04	PASS
Band4	10MHz	16QAM	20350	50RB#0	0.15~30	-58.11	PASS
Band4	10MHz	16QAM	20350	50RB#0	30~1000	-66.53	PASS
Band4	10MHz	16QAM	20350	50RB#0	1000~3000	-50.43	PASS
Band4	10MHz	16QAM	20350	50RB#0	3000~20000	-45.81	PASS
Band4	15MHz	QPSK	20025	75RB#0	0.009~0.15	-64.66	PASS
Band4	15MHz	QPSK	20025	75RB#0	0.15~30	-59.48	PASS

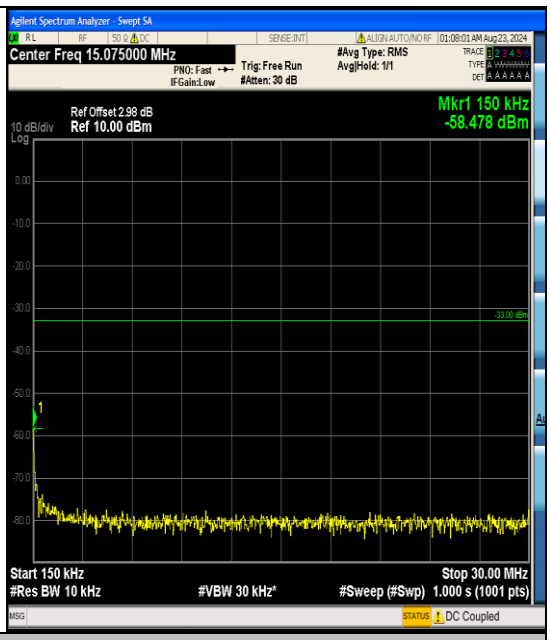
Band4	15MHz	QPSK	20025	75RB#0	30~1000	-66.63	PASS
Band4	15MHz	QPSK	20025	75RB#0	1000~3000	-48.30	PASS
Band4	15MHz	QPSK	20025	75RB#0	3000~20000	-45.88	PASS
Band4	15MHz	QPSK	20175	75RB#0	0.009~0.15	-62.11	PASS
Band4	15MHz	QPSK	20175	75RB#0	0.15~30	-58.84	PASS
Band4	15MHz	QPSK	20175	75RB#0	30~1000	-66.47	PASS
Band4	15MHz	QPSK	20175	75RB#0	1000~3000	-49.39	PASS
Band4	15MHz	QPSK	20175	75RB#0	3000~20000	-45.47	PASS
Band4	15MHz	QPSK	20325	75RB#0	0.009~0.15	-64.36	PASS
Band4	15MHz	QPSK	20325	75RB#0	0.15~30	-57.27	PASS
Band4	15MHz	QPSK	20325	75RB#0	30~1000	-66.55	PASS
Band4	15MHz	QPSK	20325	75RB#0	1000~3000	-48.14	PASS
Band4	15MHz	QPSK	20325	75RB#0	3000~20000	-45.47	PASS
Band4	15MHz	16QAM	20025	75RB#0	0.009~0.15	-62.50	PASS
Band4	15MHz	16QAM	20025	75RB#0	0.15~30	-58.20	PASS
Band4	15MHz	16QAM	20025	75RB#0	30~1000	-66.69	PASS
Band4	15MHz	16QAM	20025	75RB#0	1000~3000	-48.55	PASS
Band4	15MHz	16QAM	20025	75RB#0	3000~20000	-45.69	PASS
Band4	15MHz	16QAM	20175	75RB#0	0.009~0.15	-64.25	PASS
Band4	15MHz	16QAM	20175	75RB#0	0.15~30	-57.64	PASS
Band4	15MHz	16QAM	20175	75RB#0	30~1000	-66.22	PASS
Band4	15MHz	16QAM	20175	75RB#0	1000~3000	-49.57	PASS
Band4	15MHz	16QAM	20175	75RB#0	3000~20000	-45.86	PASS
Band4	15MHz	16QAM	20325	75RB#0	0.009~0.15	-64.05	PASS
Band4	15MHz	16QAM	20325	75RB#0	0.15~30	-55.78	PASS
Band4	15MHz	16QAM	20325	75RB#0	30~1000	-66.16	PASS
Band4	15MHz	16QAM	20325	75RB#0	1000~3000	-50.28	PASS
Band4	15MHz	16QAM	20325	75RB#0	3000~20000	-45.50	PASS
Band4	20MHz	QPSK	20050	100RB#0	0.009~0.15	-67.38	PASS
Band4	20MHz	QPSK	20050	100RB#0	0.15~30	-58.16	PASS
Band4	20MHz	QPSK	20050	100RB#0	30~1000	-66.70	PASS
Band4	20MHz	QPSK	20050	100RB#0	1000~3000	-51.80	PASS
Band4	20MHz	QPSK	20050	100RB#0	3000~20000	-45.80	PASS
Band4	20MHz	QPSK	20175	100RB#0	0.009~0.15	-61.90	PASS
Band4	20MHz	QPSK	20175	100RB#0	0.15~30	-60.17	PASS
Band4	20MHz	QPSK	20175	100RB#0	30~1000	-66.56	PASS
Band4	20MHz	QPSK	20175	100RB#0	1000~3000	-51.21	PASS
Band4	20MHz	QPSK	20175	100RB#0	3000~20000	-46.02	PASS
Band4	20MHz	QPSK	20300	100RB#0	0.009~0.15	-62.43	PASS
Band4	20MHz	QPSK	20300	100RB#0	0.15~30	-57.29	PASS
Band4	20MHz	QPSK	20300	100RB#0	30~1000	-66.56	PASS
Band4	20MHz	QPSK	20300	100RB#0	1000~3000	-51.90	PASS
Band4	20MHz	QPSK	20300	100RB#0	3000~20000	-46.00	PASS

Band4	20MHz	16QAM	20050	100RB#0	0.009~0.15	-63.98	PASS
Band4	20MHz	16QAM	20050	100RB#0	0.15~30	-56.95	PASS
Band4	20MHz	16QAM	20050	100RB#0	30~1000	-66.69	PASS
Band4	20MHz	16QAM	20050	100RB#0	1000~3000	-52.17	PASS
Band4	20MHz	16QAM	20050	100RB#0	3000~20000	-45.34	PASS
Band4	20MHz	16QAM	20175	100RB#0	0.009~0.15	-65.75	PASS
Band4	20MHz	16QAM	20175	100RB#0	0.15~30	-57.04	PASS
Band4	20MHz	16QAM	20175	100RB#0	30~1000	-66.65	PASS
Band4	20MHz	16QAM	20175	100RB#0	1000~3000	-52.33	PASS
Band4	20MHz	16QAM	20175	100RB#0	3000~20000	-45.56	PASS
Band4	20MHz	16QAM	20300	100RB#0	0.009~0.15	-66.17	PASS
Band4	20MHz	16QAM	20300	100RB#0	0.15~30	-59.54	PASS
Band4	20MHz	16QAM	20300	100RB#0	30~1000	-66.62	PASS
Band4	20MHz	16QAM	20300	100RB#0	1000~3000	-52.12	PASS
Band4	20MHz	16QAM	20300	100RB#0	3000~20000	-45.43	PASS

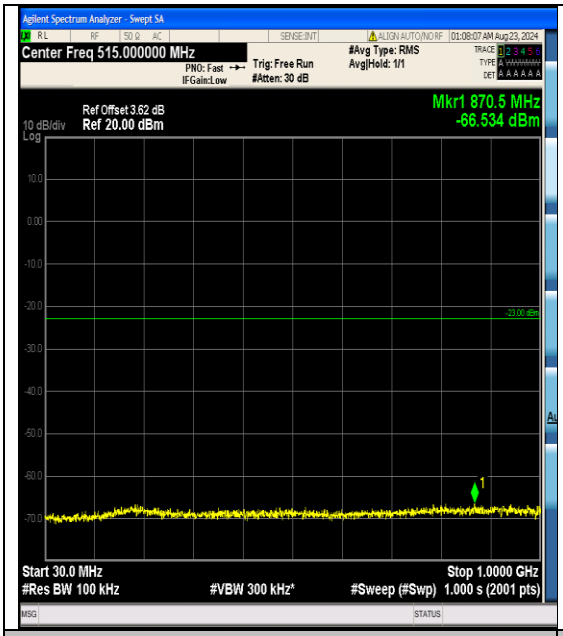
Test Graphs



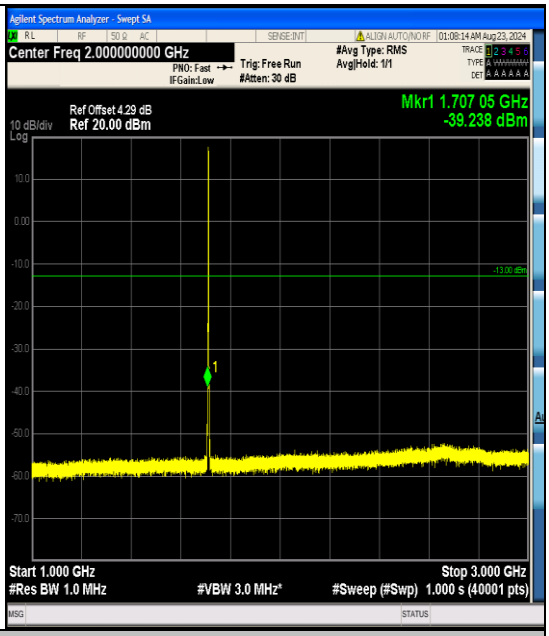
Band4_1.4MHz_QPSK_19957_6RB#0_0.009~0.15_0.009~0.15



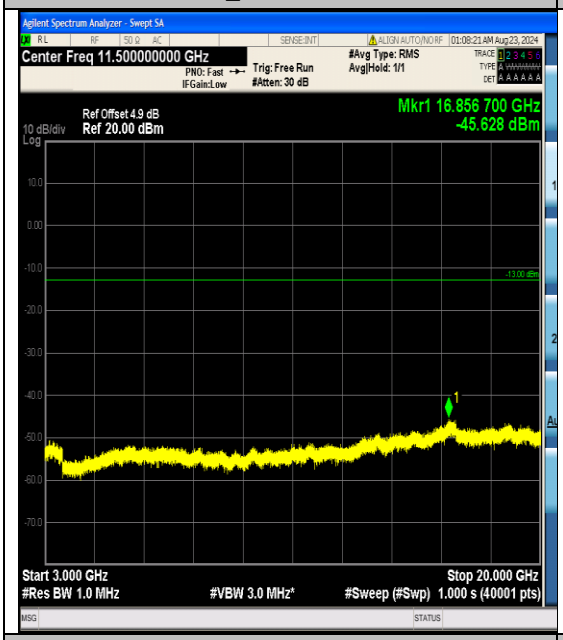
Band4_1.4MHz_QPSK_19957_6RB#0_0.15~30_0.15~30



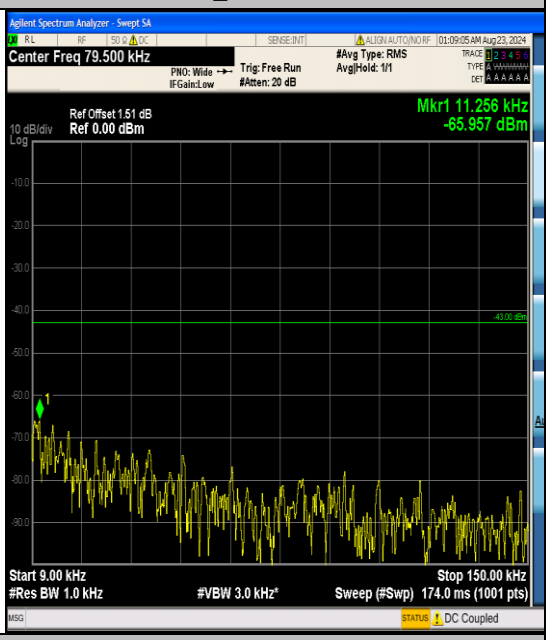
Band4_1.4MHz_QPSK_19957_6RB#0_30~1000_30~1000



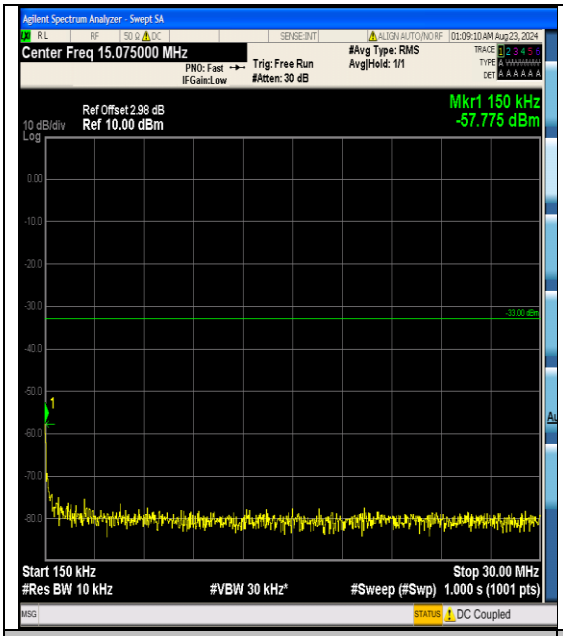
Band4_1.4MHz_QPSK_19957_6RB#0_1000~3000_1000~3000



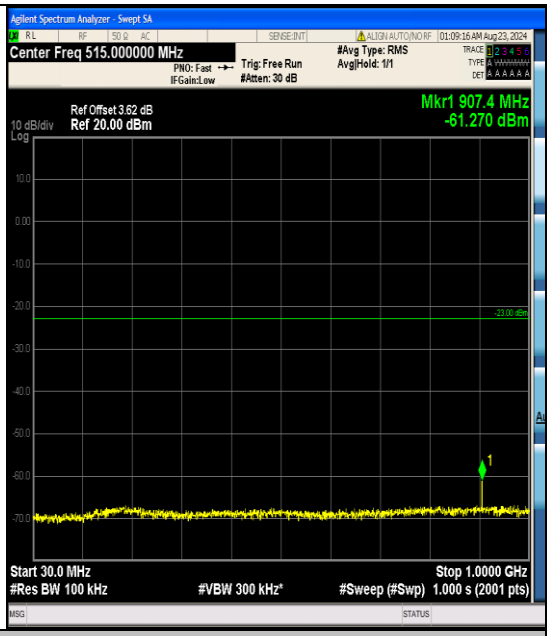
Band4_1.4MHz_QPSK_19957_6RB#0_3000~20000_3000~20000



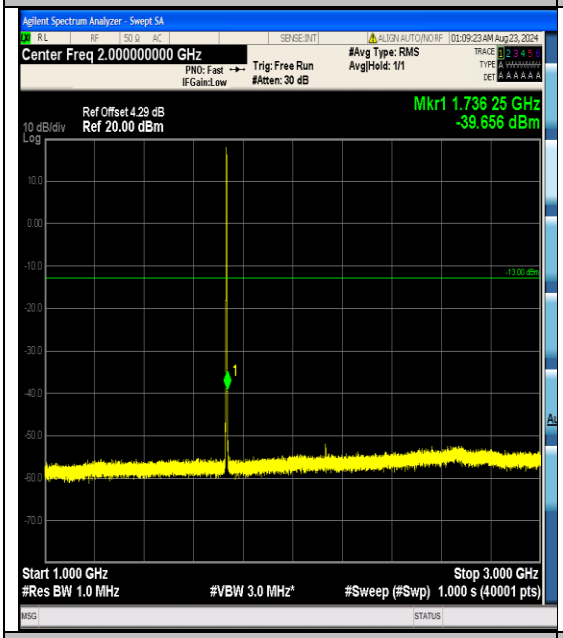
Band4_1.4MHz_QPSK_20175_6RB#0_0.009~0.15_0.009~0.15



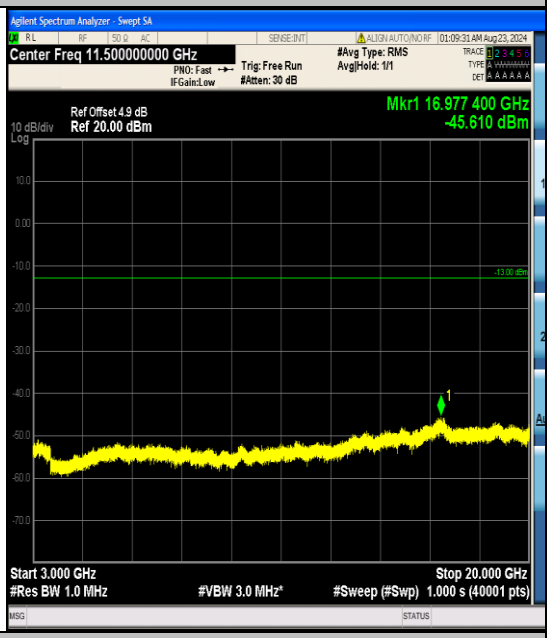
Band4_1.4MHz_QPSK_20175_6RB#0_0.15~30_0.15~30



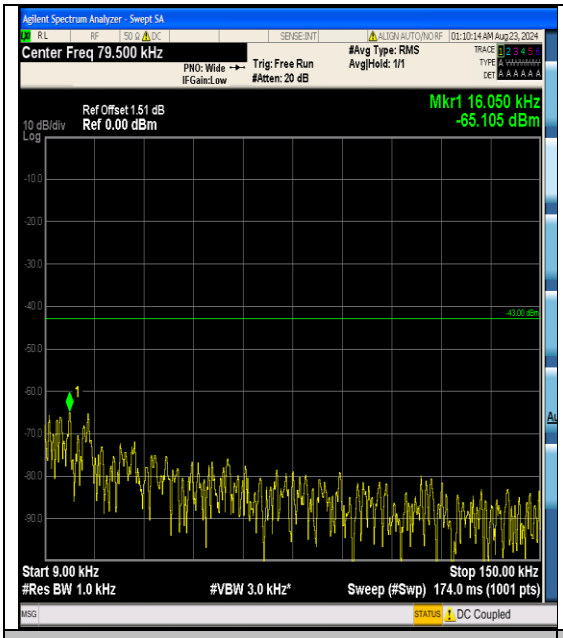
Band4_1.4MHz_QPSK_20175_6RB#0_30~1000_30~1000



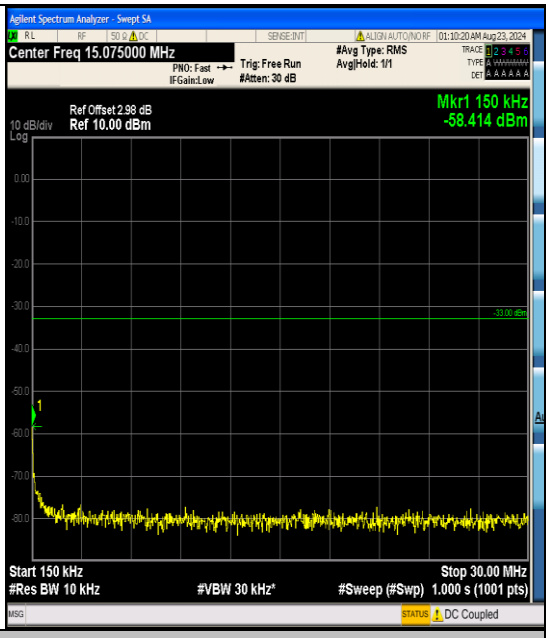
Band4_1.4MHz_QPSK_20175_6RB#0_1000~3000_1000~3000



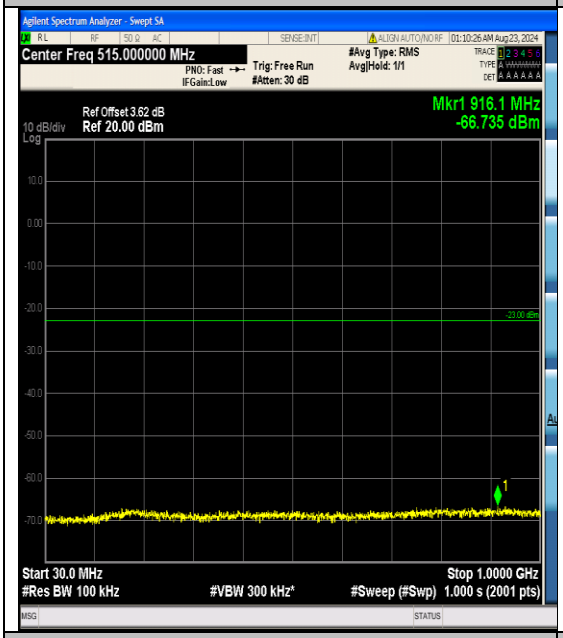
Band4_1.4MHz_QPSK_20175_6RB#0_3000~20000_3000~20000



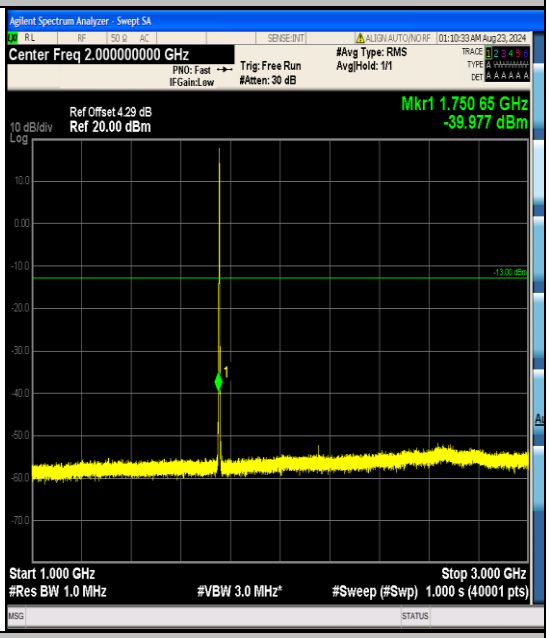
Band4_1.4MHz_QPSK_20393_6RB#0_0.009~0.15_0.009~0.15



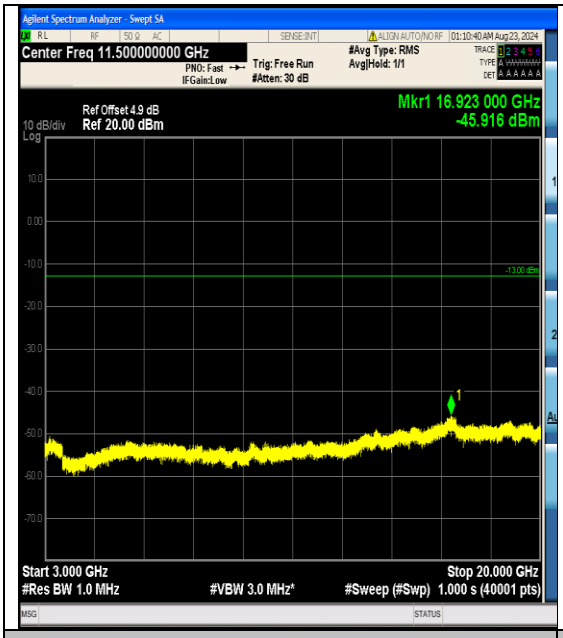
Band4_1.4MHz_QPSK_20393_6RB#0_0.15~30_0.15~30



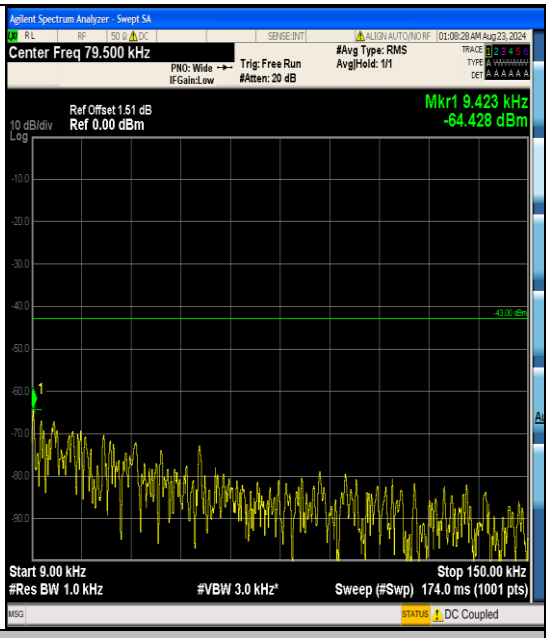
Band4_1.4MHz_QPSK_20393_6RB#0_30~1000_30~1000



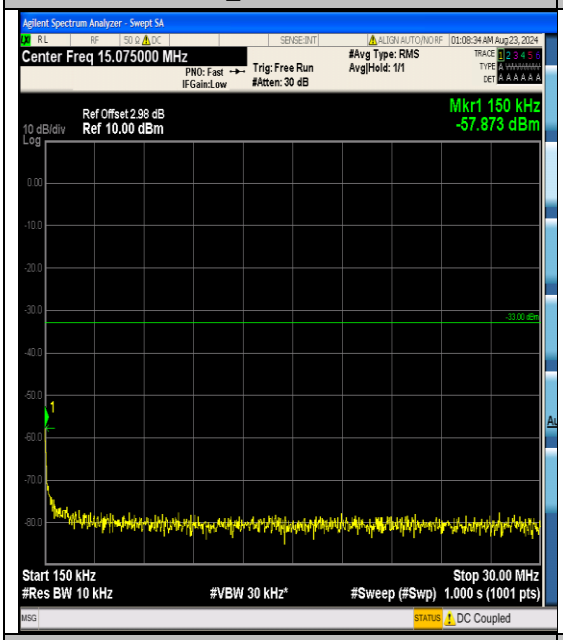
Band4_1.4MHz_QPSK_20393_6RB#0_1000~3000_1000~3000



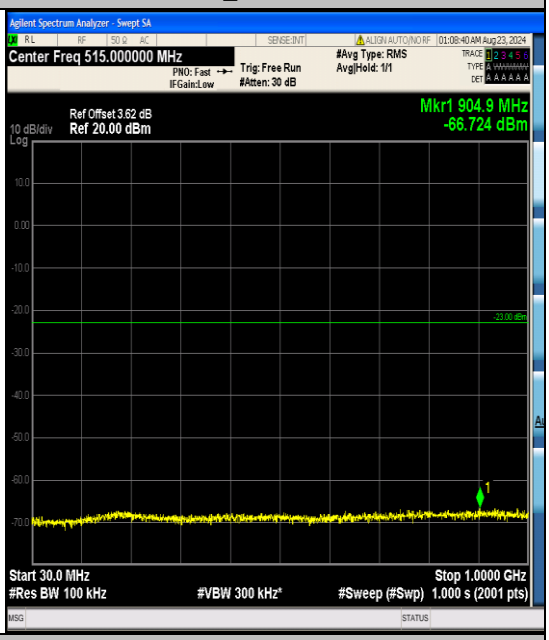
Band4_1.4MHz_QPSK_20393_6RB#0_3000~20000_3000~20000



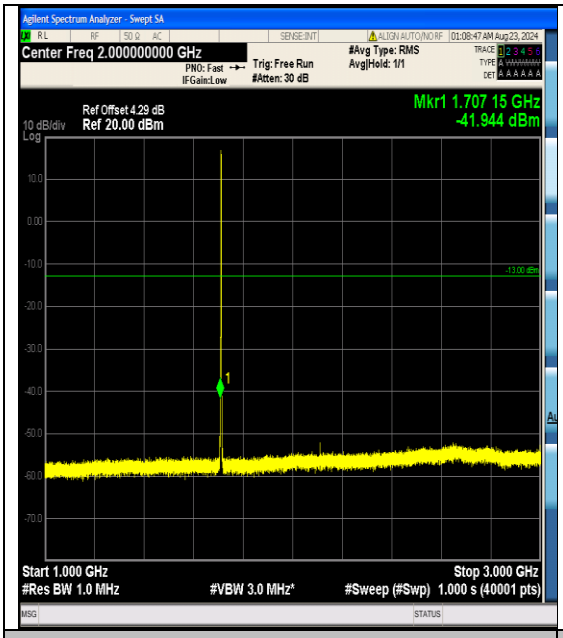
Band4_1.4MHz_16QAM_19957_6RB#0_0.009~0.15_0.009~0.15



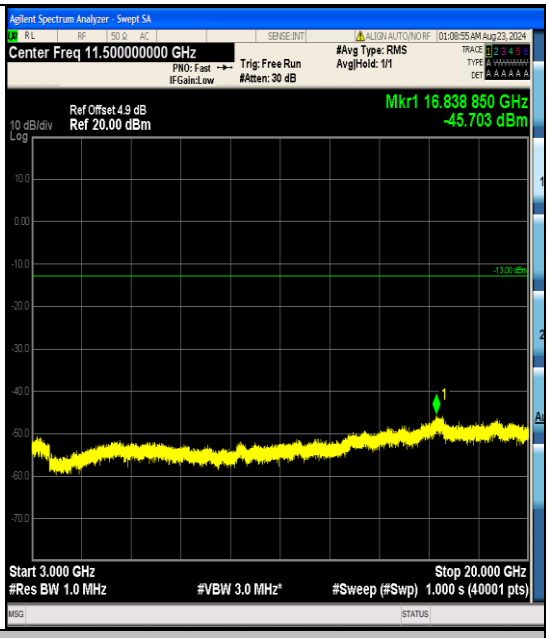
Band4_1.4MHz_16QAM_19957_6RB#0_0.15~30_0.15~30



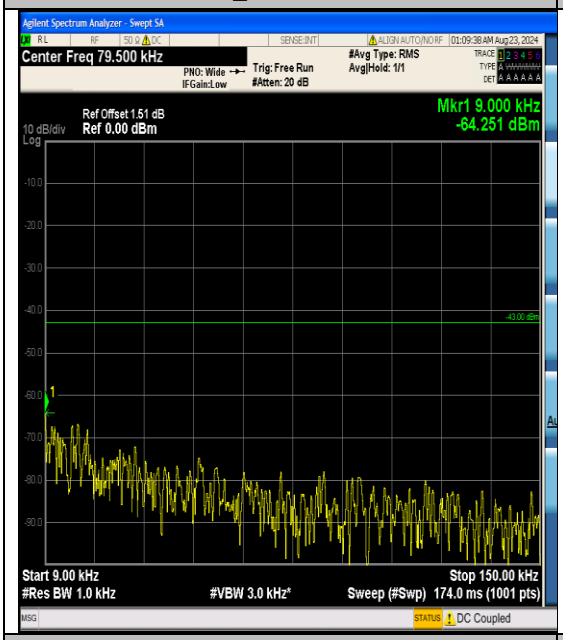
Band4_1.4MHz_16QAM_19957_6RB#0_30~1000_30~1000



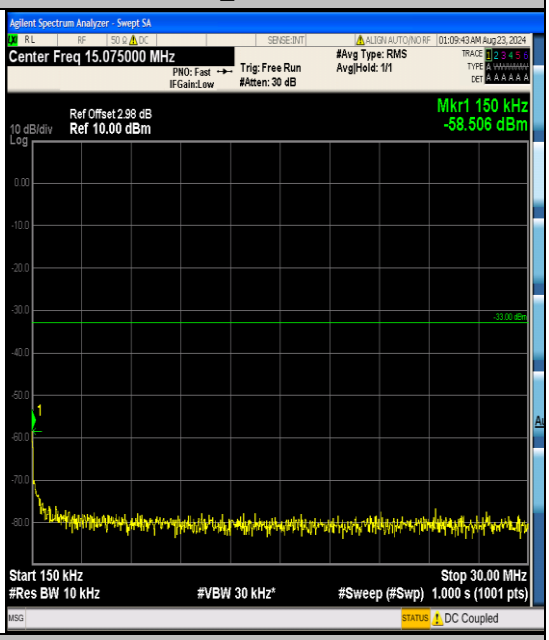
Band4_1.4MHz_16QAM_19957_6RB#0_1000~3000_1000~3000



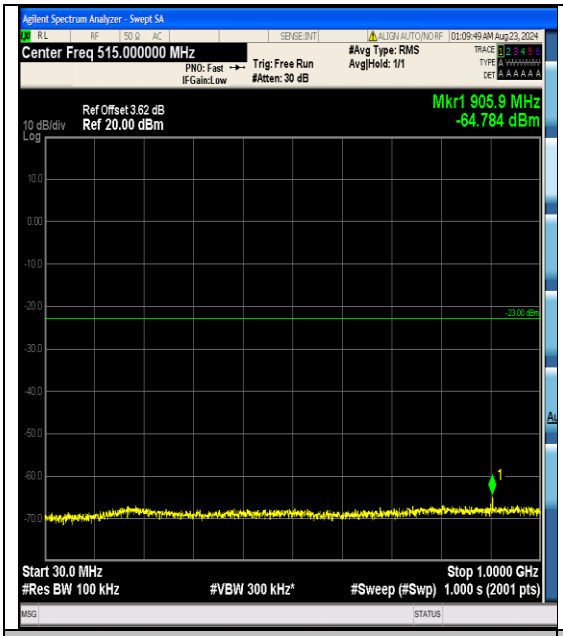
Band4_1.4MHz_16QAM_19957_6RB#0_3000~20000_3000~20000



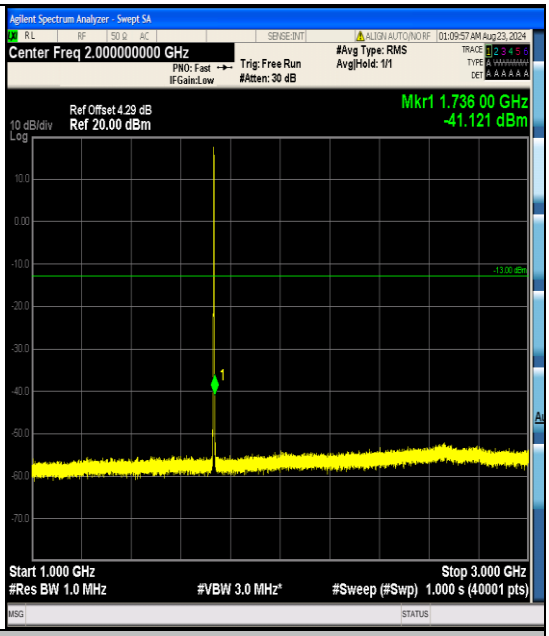
Band4_1.4MHz_16QAM_20175_6RB#0_0.009~0.15_0.009~0.15



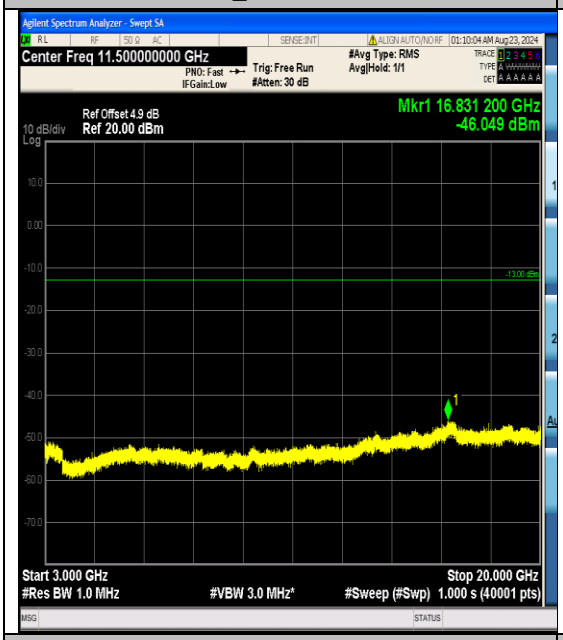
Band4_1.4MHz_16QAM_20175_6RB#0_0.15~30_0.15~30



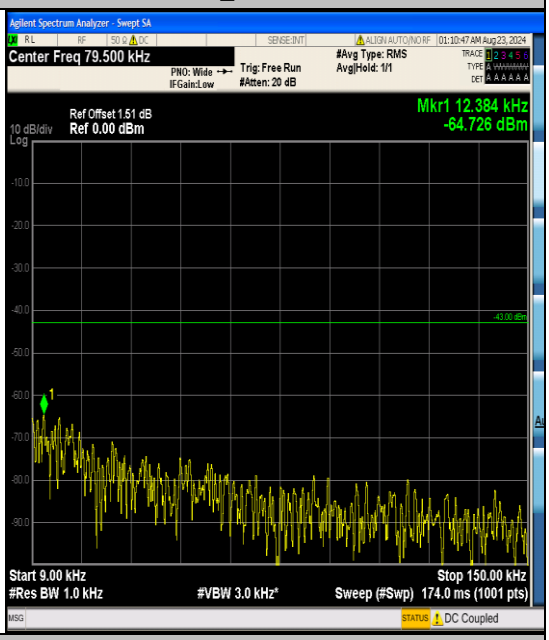
Band4_1.4MHz_16QAM_20175_6RB#0_30~1000_30~1000



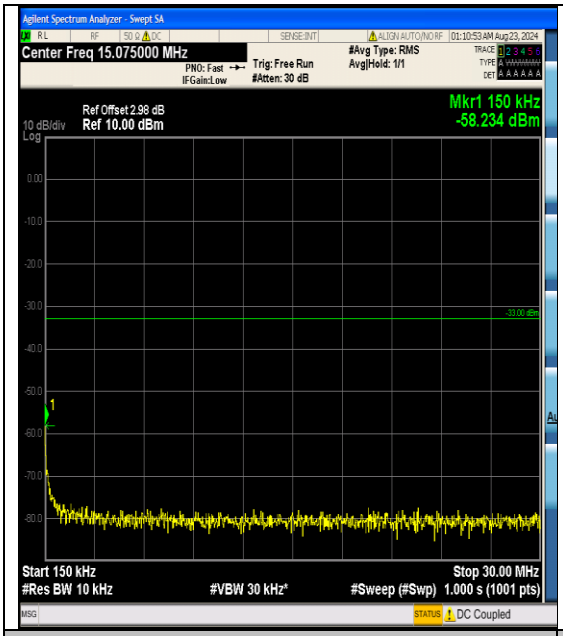
Band4_1.4MHz_16QAM_20175_6RB#0_1000~3000_1000~3000



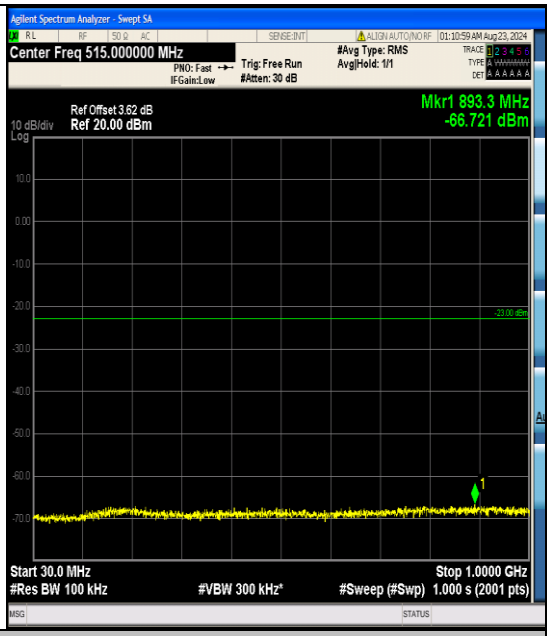
Band4_1.4MHz_16QAM_20175_6RB#0_3000~20000_3000~20000



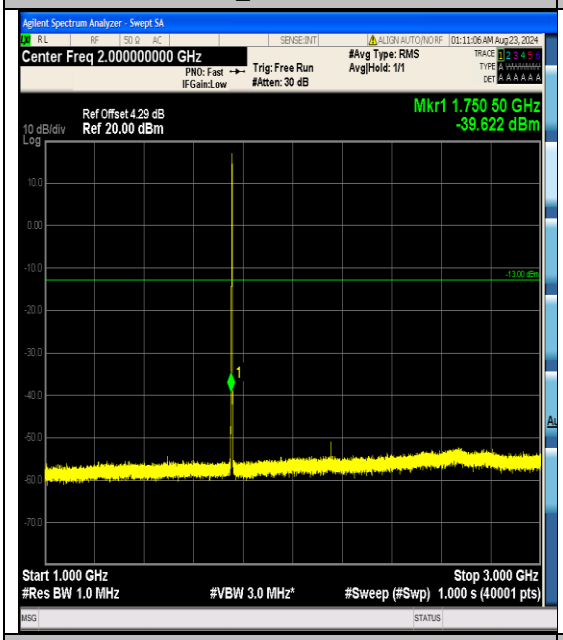
Band4_1.4MHz_16QAM_20393_6RB#0_0.009~0.15_0.009~0.15



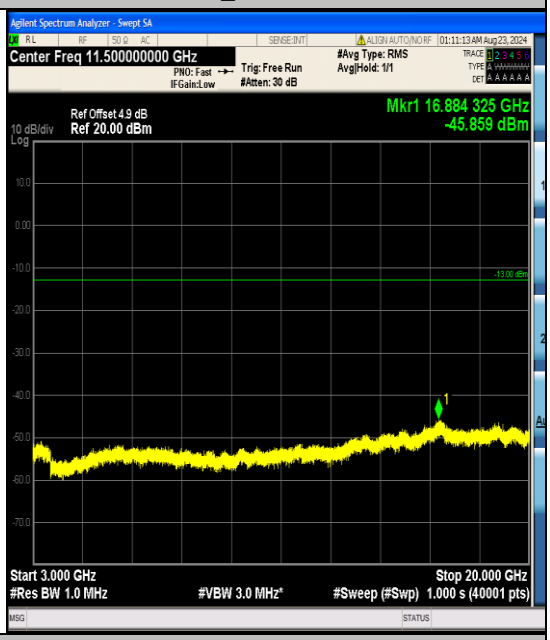
Band4_1.4MHz_16QAM_20393_6RB#0_0.15~30_0.15~30



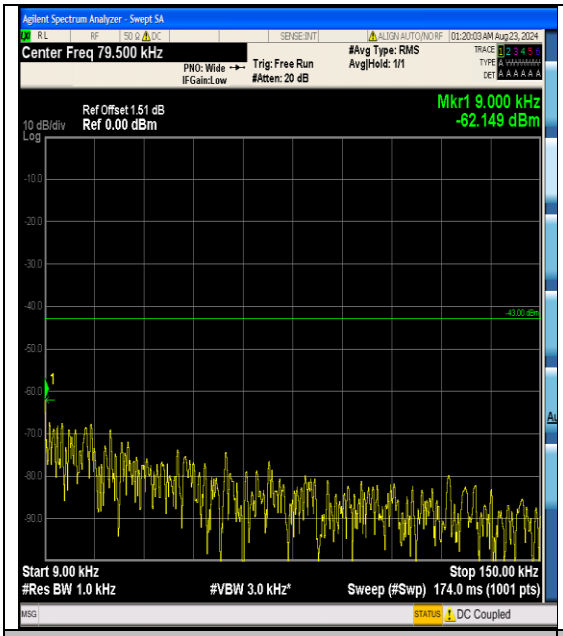
Band4_1.4MHz_16QAM_20393_6RB#0_30~1000_30~1000



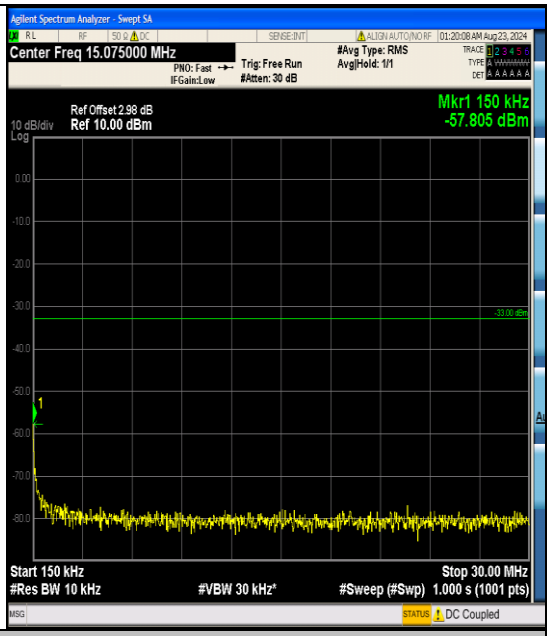
Band4_1.4MHz_16QAM_20393_6RB#0_1000~3000_1000~3000



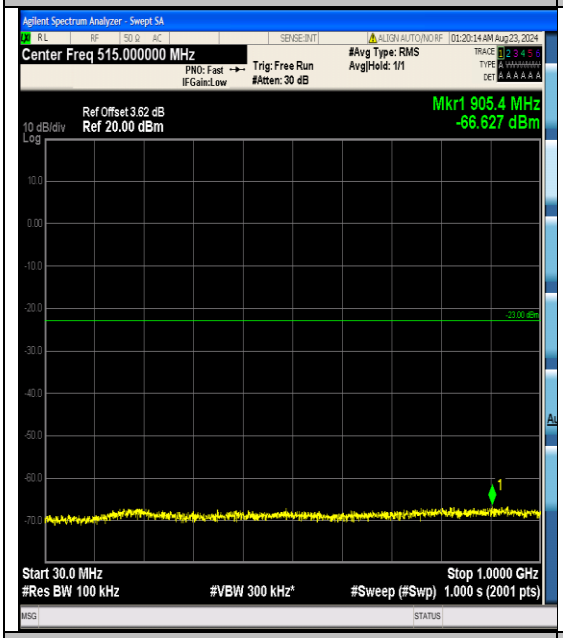
Band4_1.4MHz_16QAM_20393_6RB#0_3000~20000_3000~20000



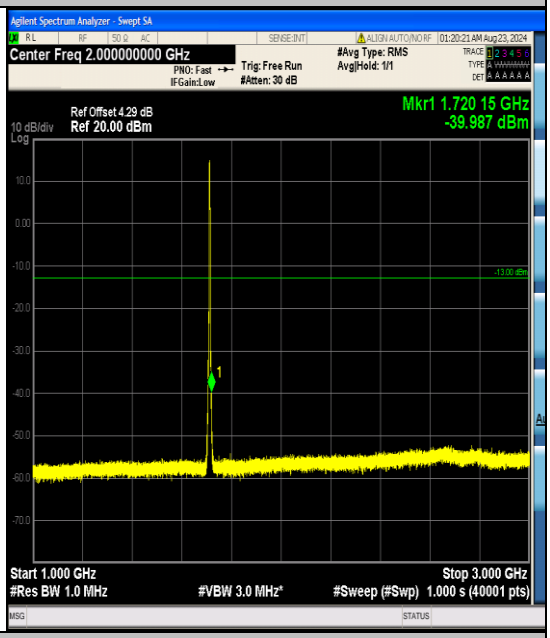
Band4_3MHz_QPSK_19965_15RB#0_0.009~0.15_0.009~0.15



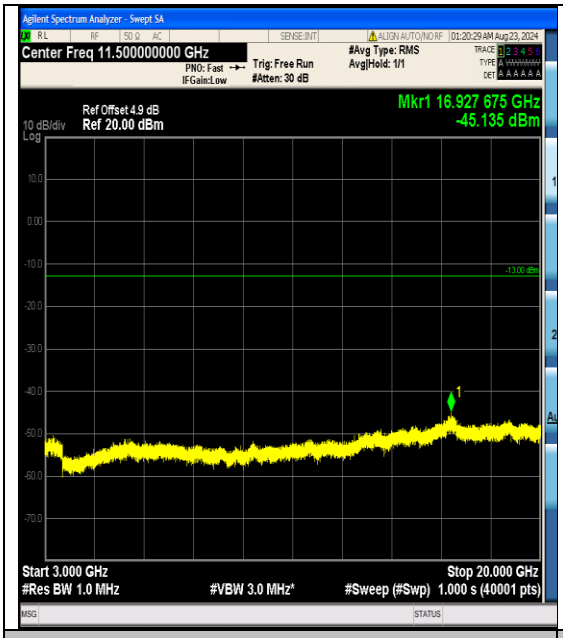
Band4_3MHz_QPSK_19965_15RB#0_0.15~30_0.15~30



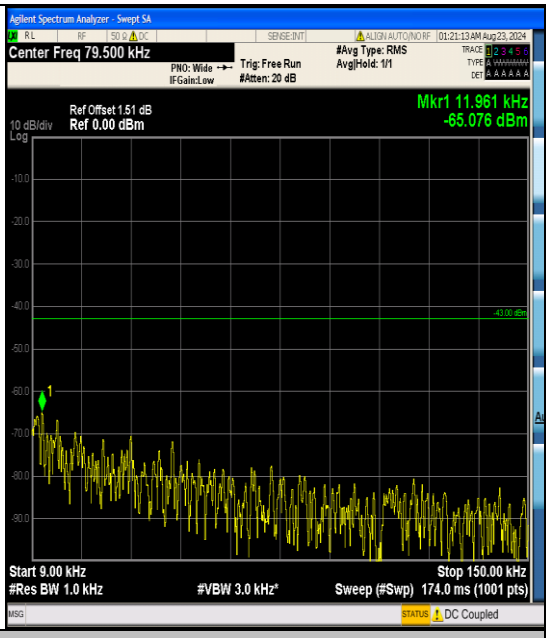
Band4_3MHz_QPSK_19965_15RB#0_30~1000_30~1000



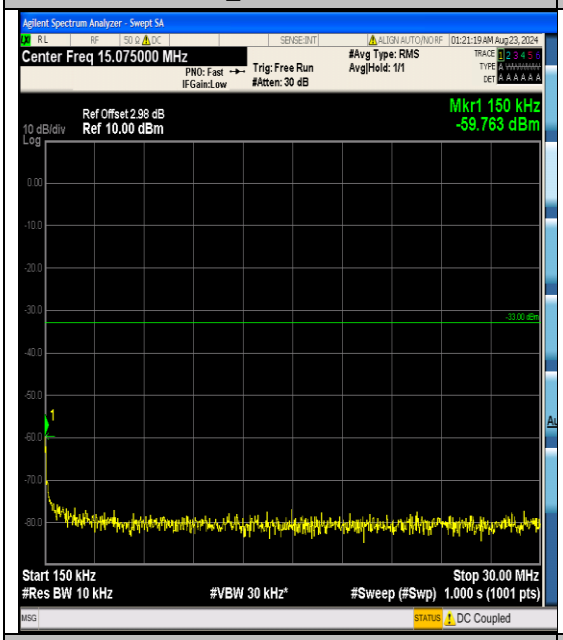
Band4_3MHz_QPSK_19965_15RB#0_1000~3000_1000~3000



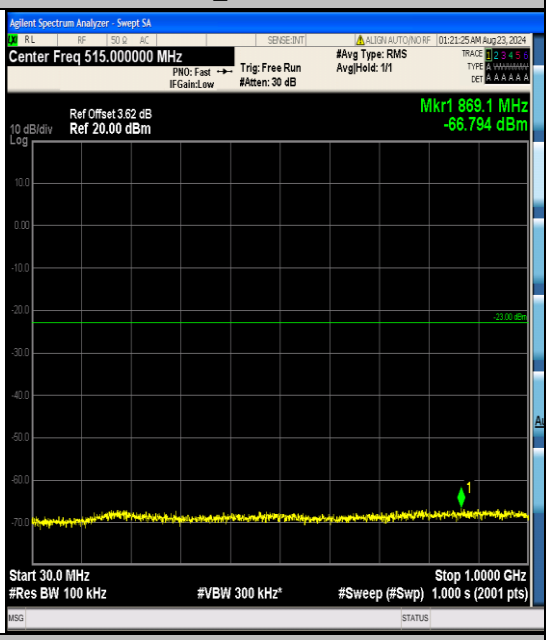
Band4_3MHz_QPSK_19965_15RB#0_3000~20000_3000~20000



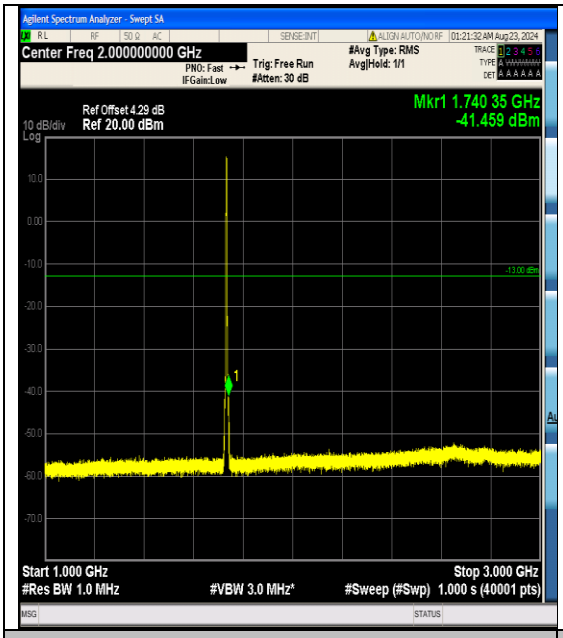
Band4_3MHz_QPSK_20175_15RB#0_0.009~0.15_0.009~0.15



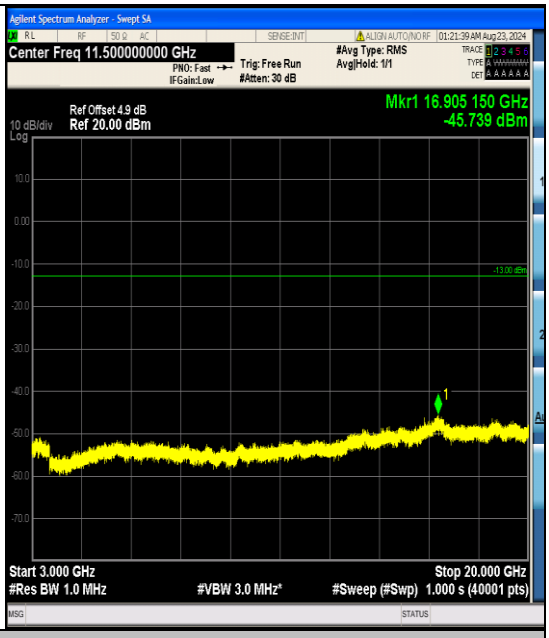
Band4_3MHz_QPSK_20175_15RB#0_0.15~30_0.15~30



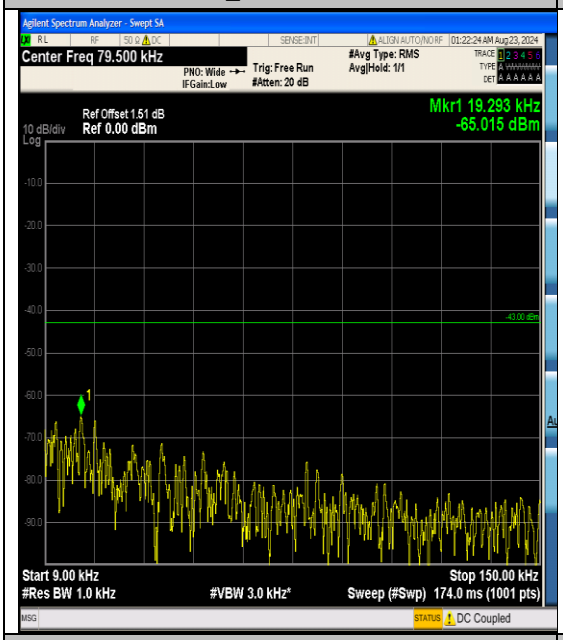
Band4_3MHz_QPSK_20175_15RB#0_30~1000_30~1000



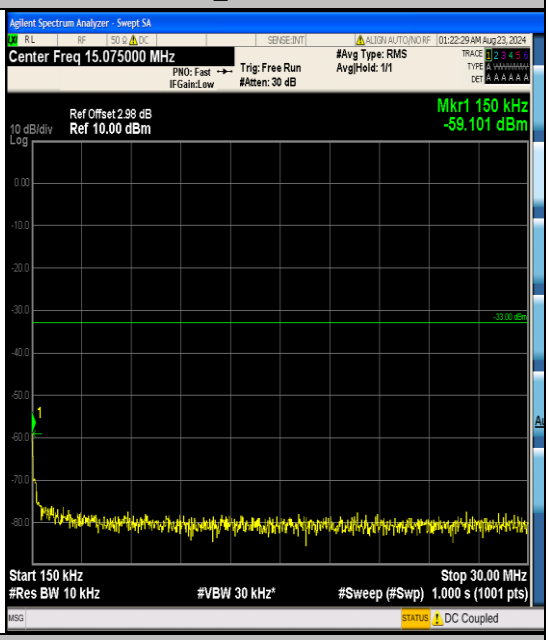
Band4_3MHz_QPSK_20175_15RB#0_1000~3000_1000~3000



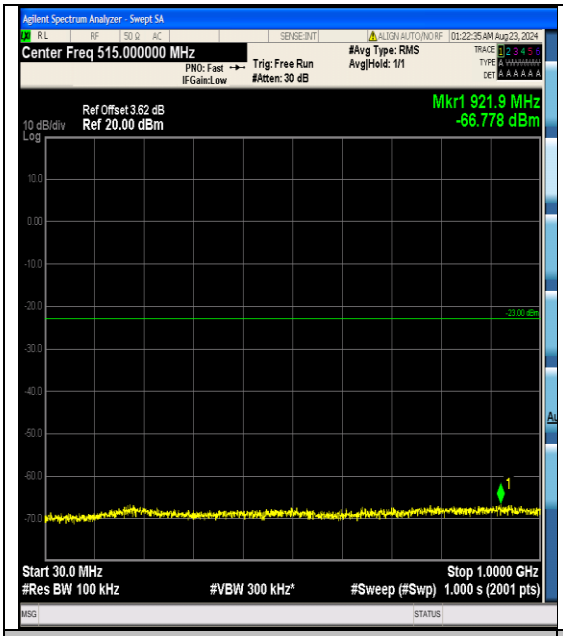
Band4_3MHz_QPSK_20175_15RB#0_3000~20000_3000~20000



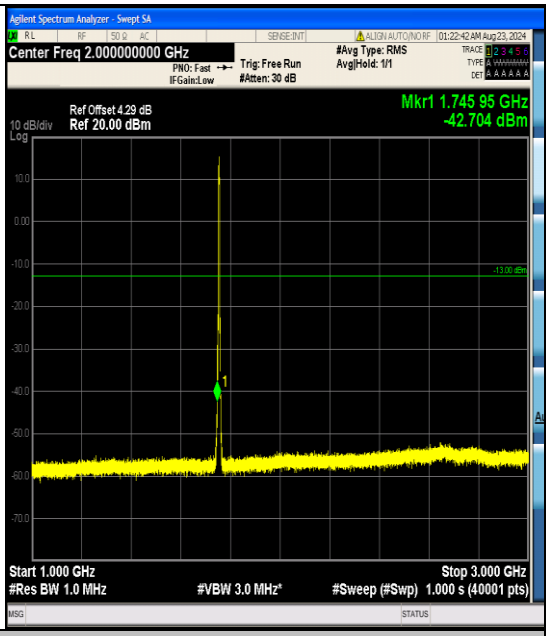
Band4_3MHz_QPSK_20385_15RB#0_0.009~0.15_0.009~0.15



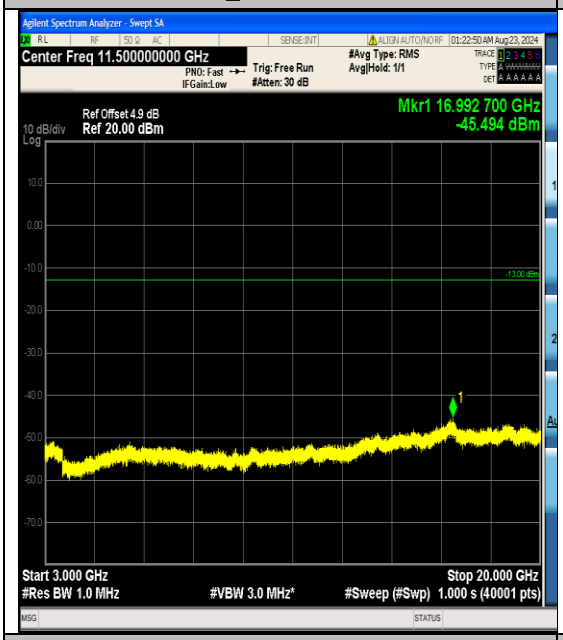
Band4_3MHz_QPSK_20385_15RB#0_0.15~30_0.15~30



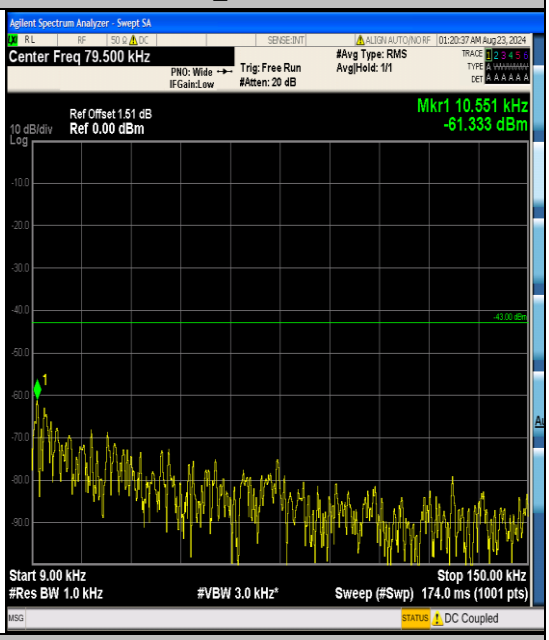
Band4_3MHz_QPSK_20385_15RB#0_30~1000_30~1000



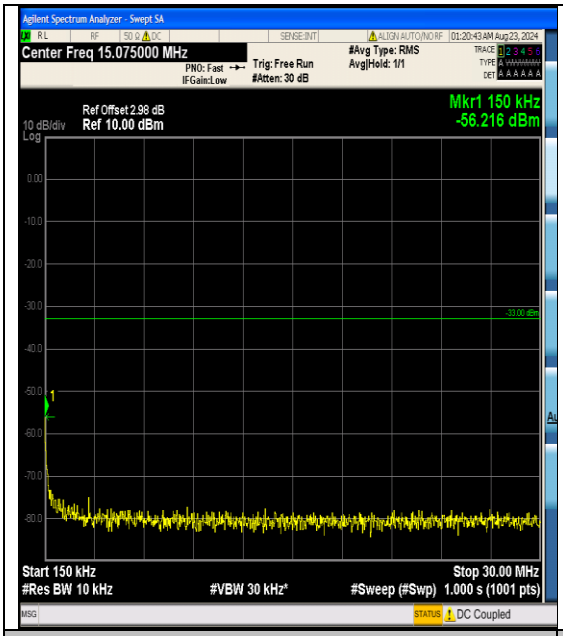
Band4_3MHz_QPSK_20385_15RB#0_1000~3000_1000~3000



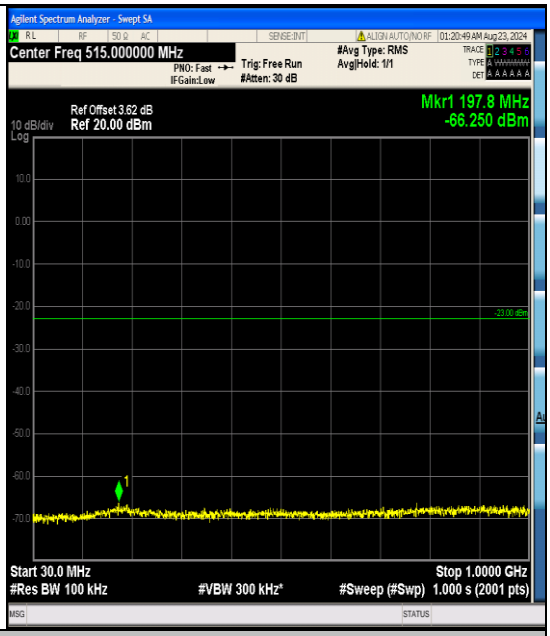
Band4_3MHz_QPSK_20385_15RB#0_3000~20000_3000~20000



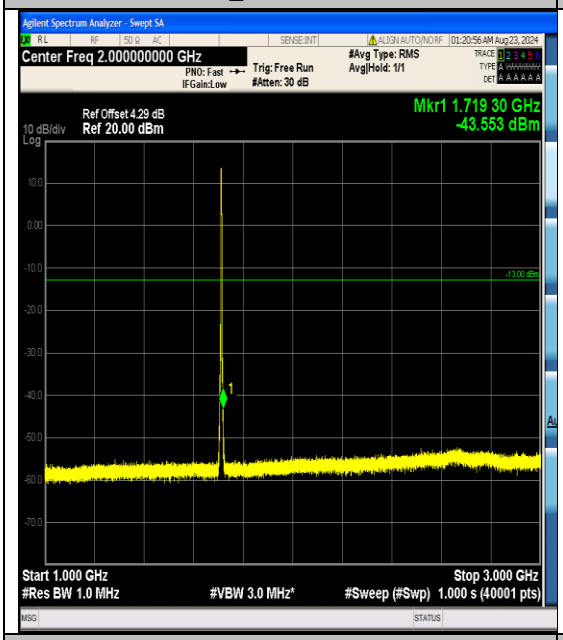
Band4_3MHz_16QAM_19965_15RB#0_0.009~0.15_0.009~0.15



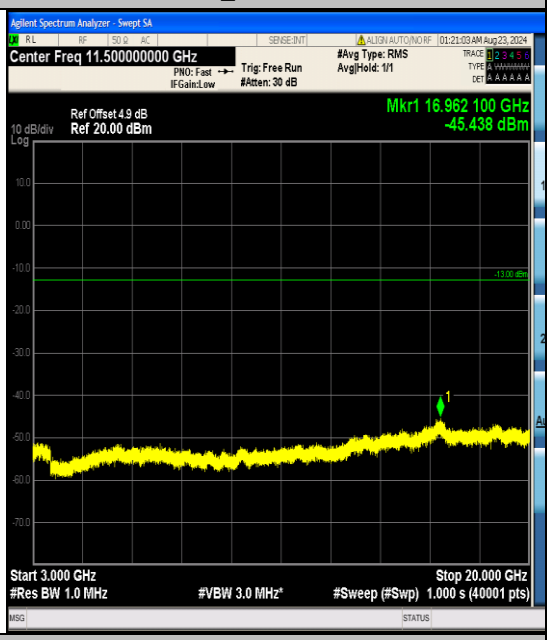
Band4_3MHz_16QAM_19965_15RB#0_0.15~30_0.15~30



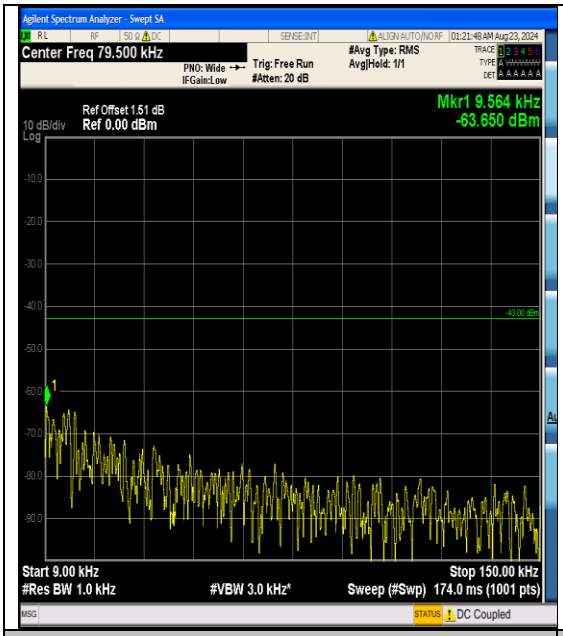
Band4_3MHz_16QAM_19965_15RB#0_30~1000_30~1000



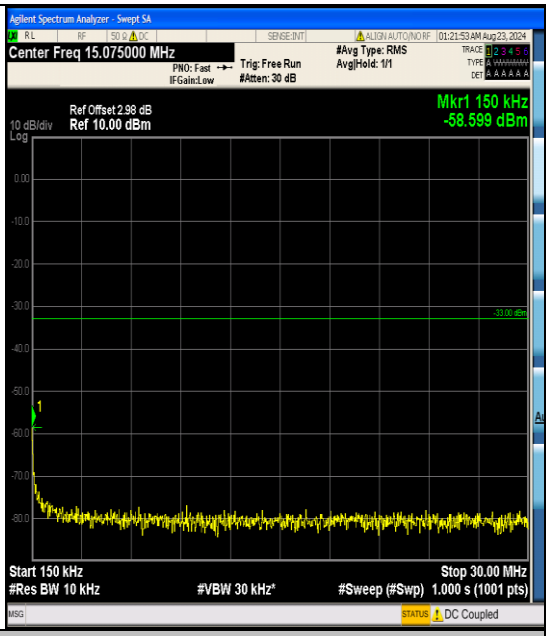
Band4_3MHz_16QAM_19965_15RB#0_1000~3000_1000~3000



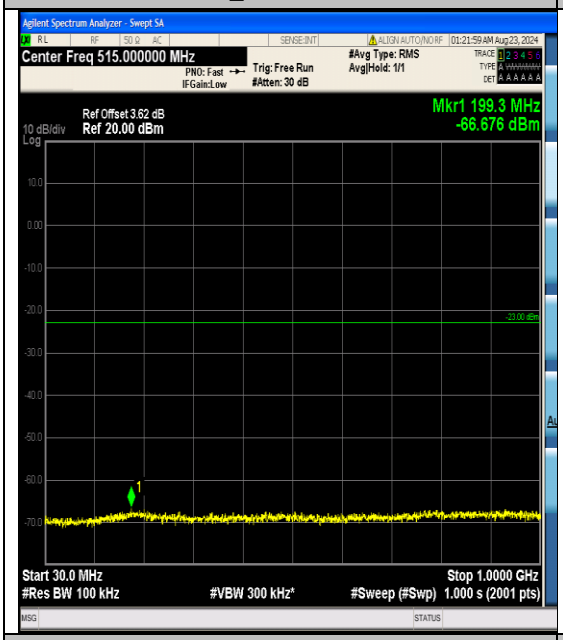
Band4_3MHz_16QAM_19965_15RB#0_3000~20000_3000~20000



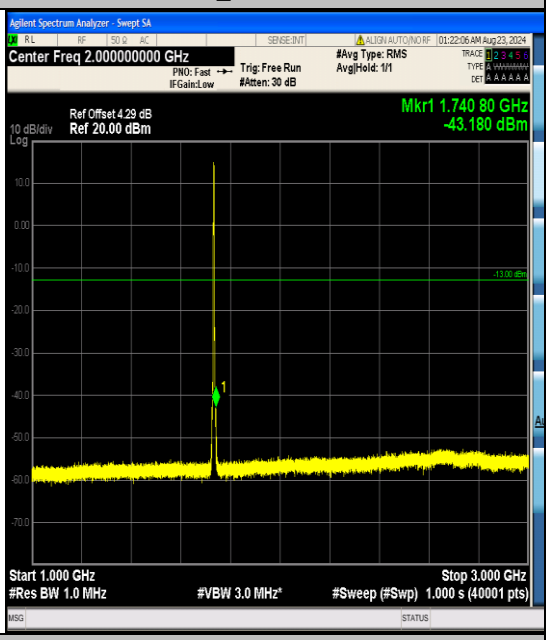
Band4_3MHz_16QAM_20175_15RB#0_0.009~0.15_0.009~0.15



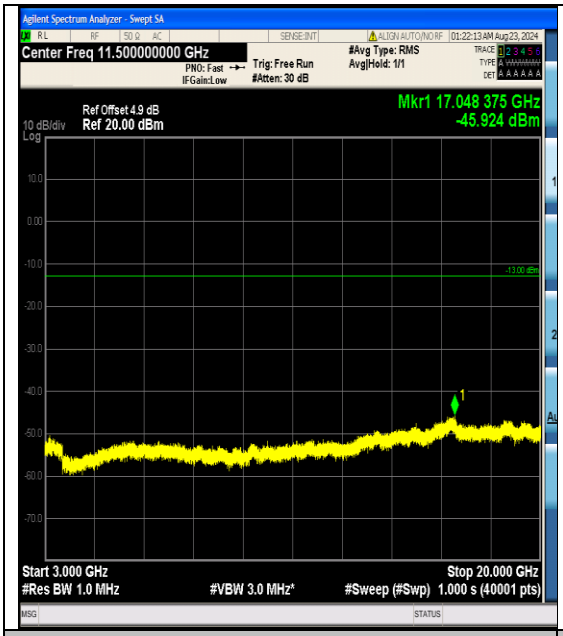
Band4_3MHz_16QAM_20175_15RB#0_0.15~30_0.15~30



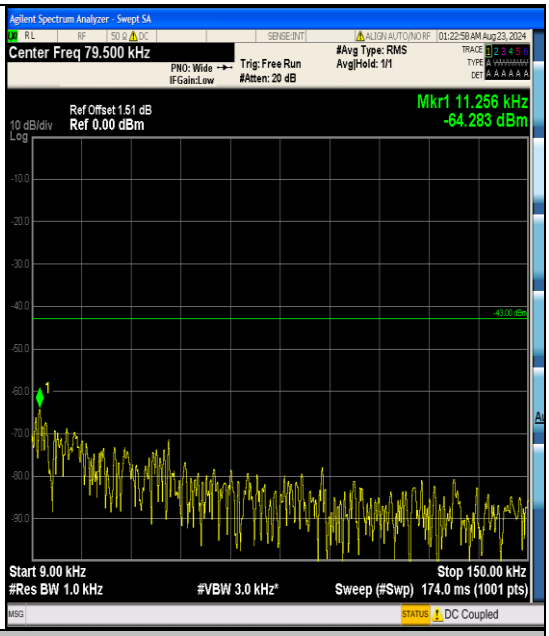
Band4_3MHz_16QAM_20175_15RB#0_30~1000_30~1000



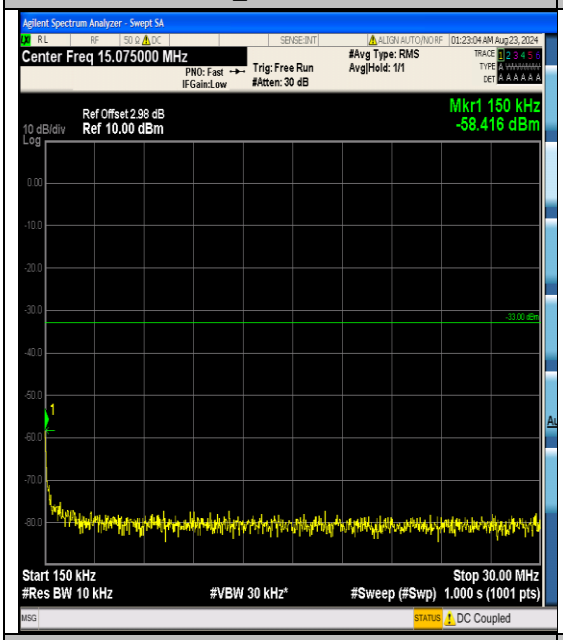
Band4_3MHz_16QAM_20175_15RB#0_1000~3000_1000~3000



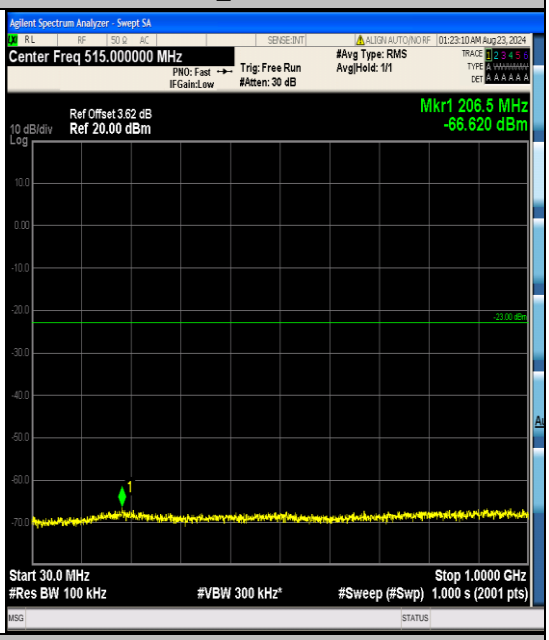
Band4_3MHz_16QAM_20175_15RB#0_3000~20000_3000~20000



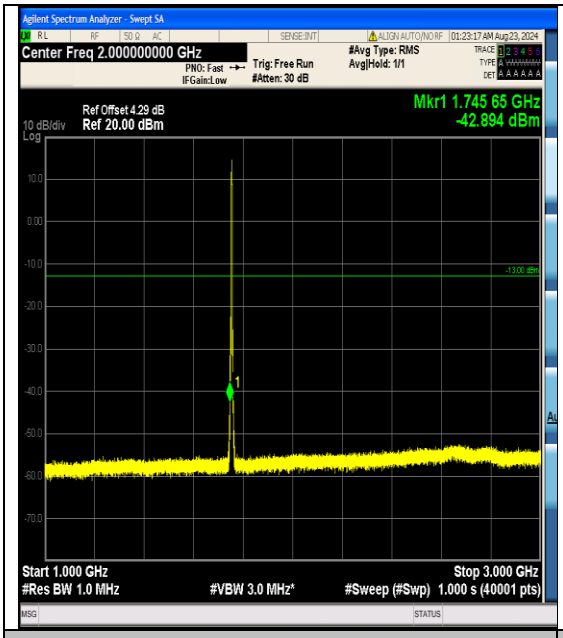
Band4_3MHz_16QAM_20385_15RB#0_0.009~0.15_0.009~0.15



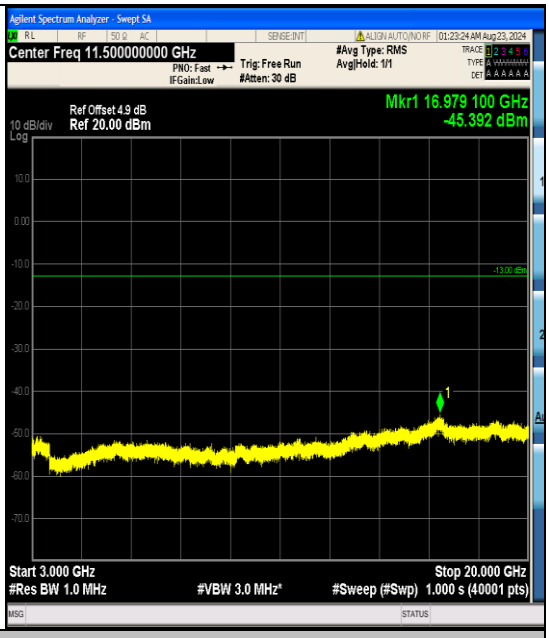
Band4_3MHz_16QAM_20385_15RB#0_0.15~30_0.15~30



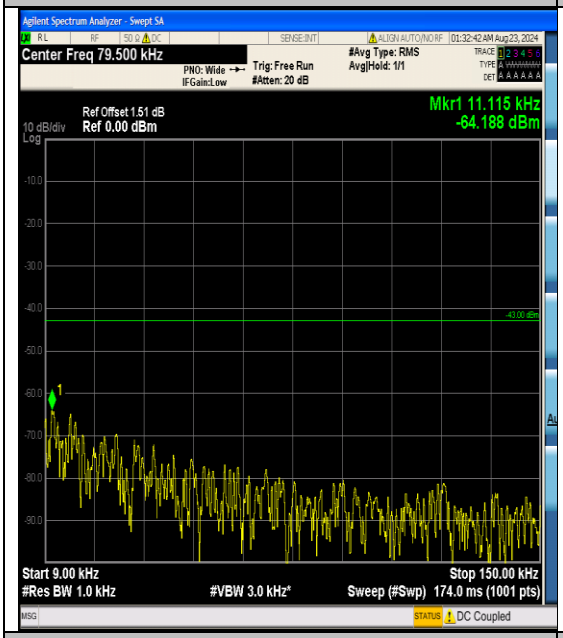
Band4_3MHz_16QAM_20385_15RB#0_30~1000_30~1000



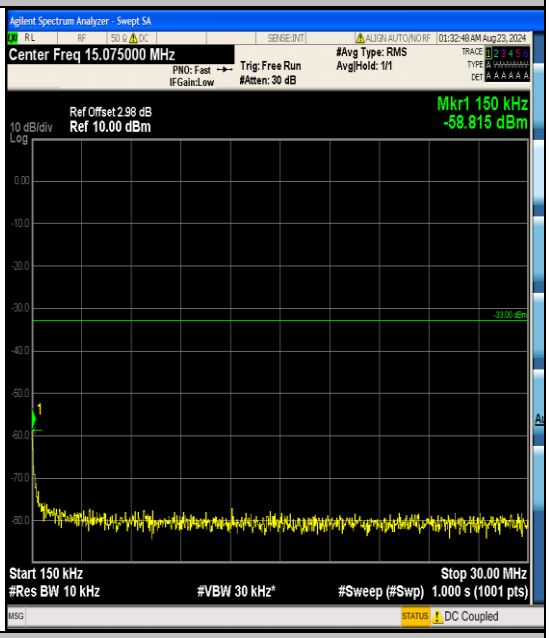
Band4_3MHz_16QAM_20385_15RB#0_1000~3000_1000~3000



Band4_3MHz_16QAM_20385_15RB#0_3000~20000_3000~20000



Band4_5MHz_QPSK_19975_25RB#0_0.009~0.15_0.009~0.15



Band4_5MHz_QPSK_19975_25RB#0_0.15~30_0.15~30