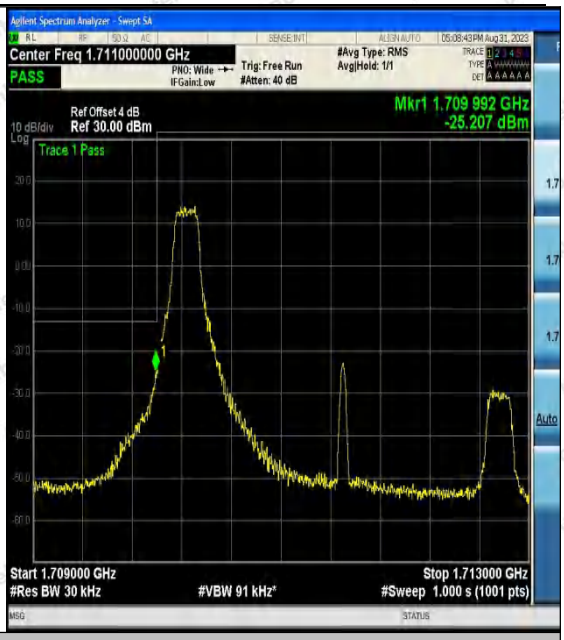
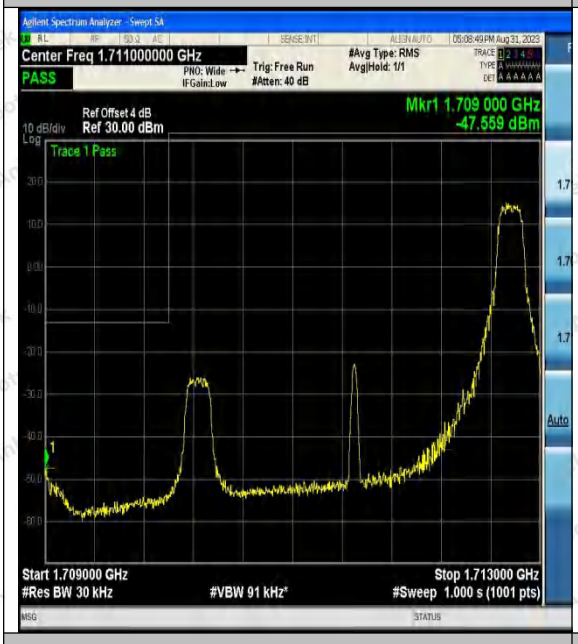
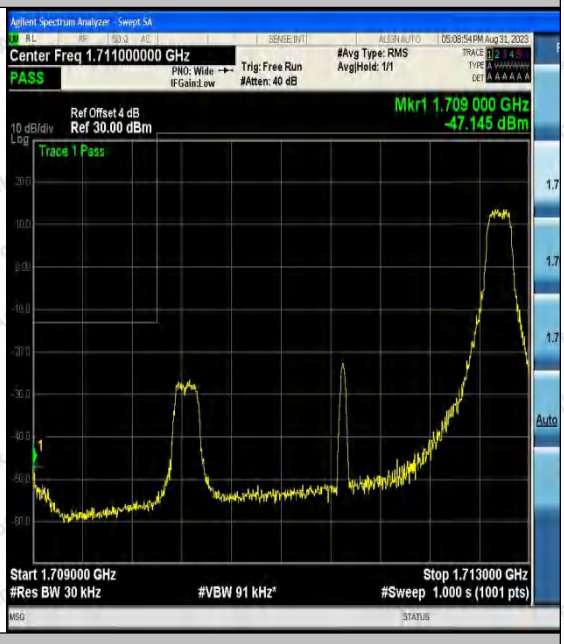
Band4_3MHz_QPSK_19965_1RB#0



Band4_3MHz_16QAM_19965_1RB#0

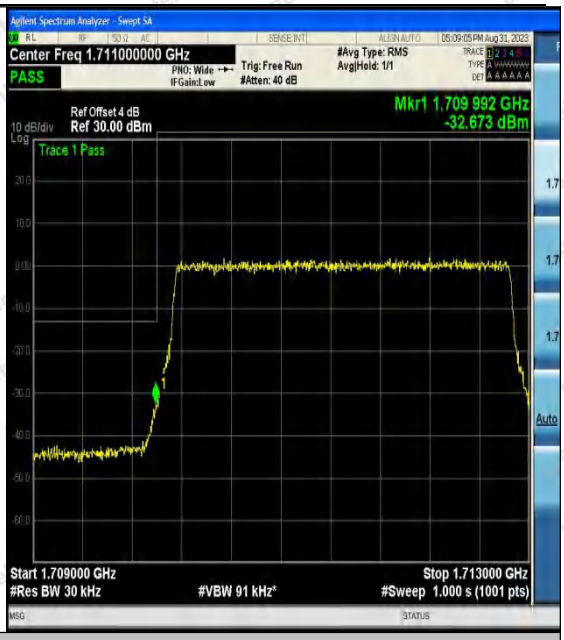


Band4_3MHz_QPSK_19965_1RB#14

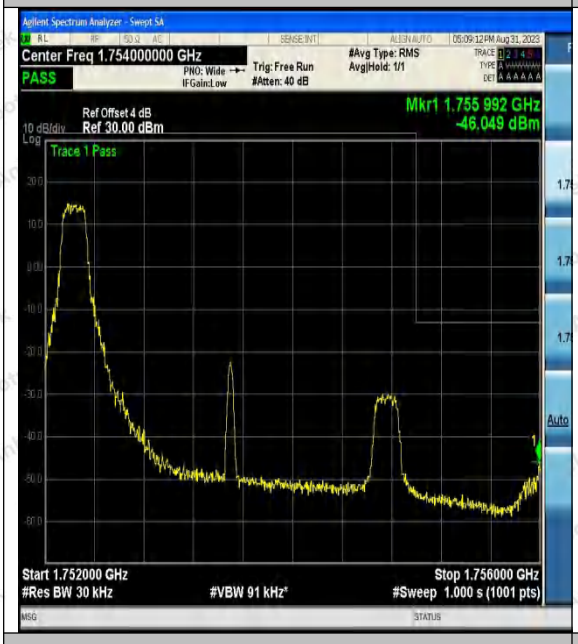


Band4_3MHz_16QAM_19965_1RB#14

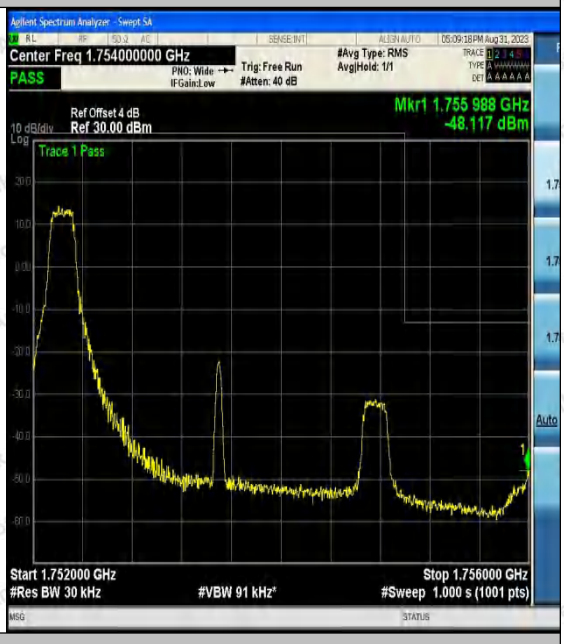
Band4_3MHz_QPSK_19965_15RB#0



Band4_3MHz_16QAM_19965_15RB#0



Band4_3MHz_QPSK_20385_1RB#0

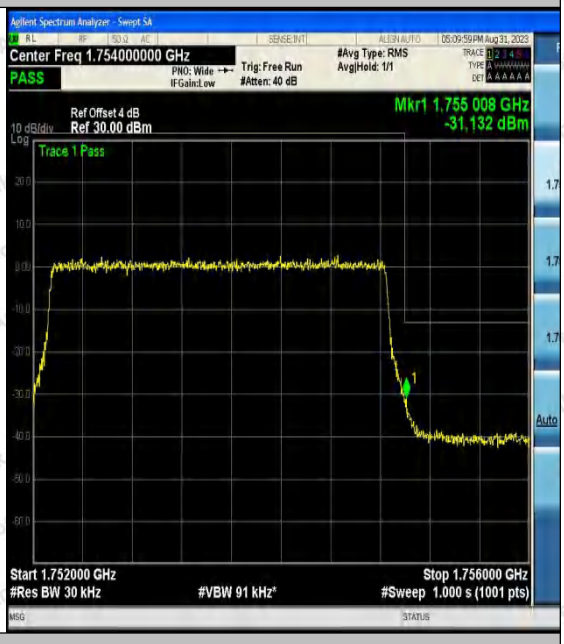


Band4_3MHz_16QAM_20385_1RB#0

Band4_3MHz_QPSK_20385_1RB#14

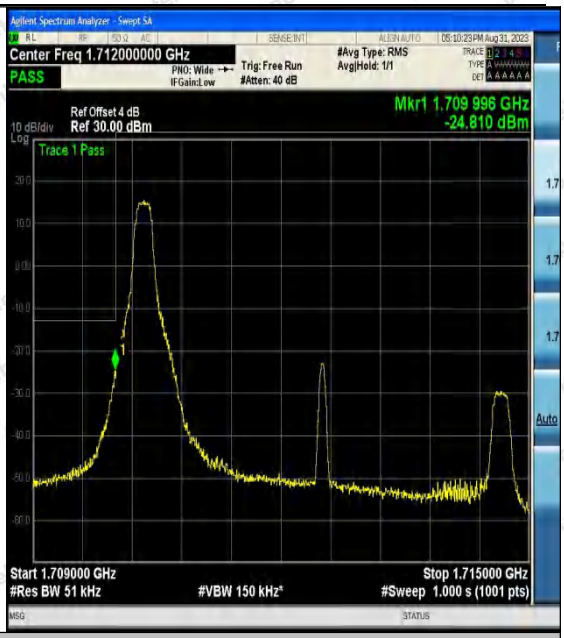
Band4_3MHz_16QAM_20385_1RB#14

Band4_3MHz_QPSK_20385_15RB#0



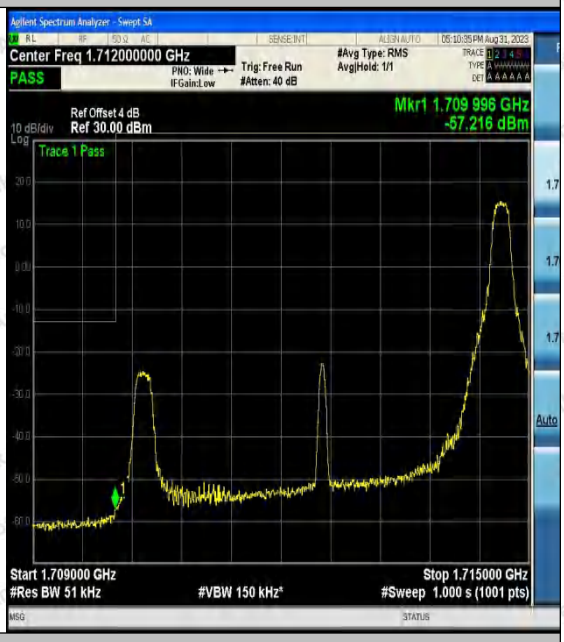
Band4_3MHz_16QAM_20385_15RB#0

Band4_5MHz_QPSK_19975_1RB#0



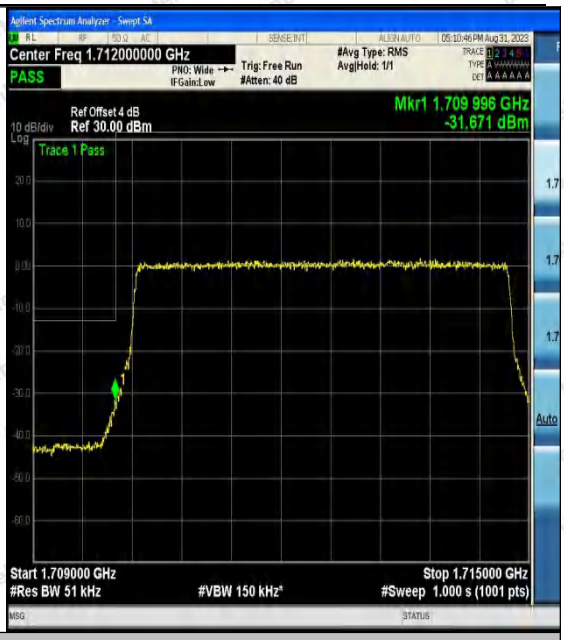
Band4_5MHz_16QAM_19975_1RB#0

Band4_5MHz_QPSK_19975_1RB#24



Band4_5MHz_16QAM_19975_1RB#24

Band4_5MHz_QPSK_19975_25RB#0

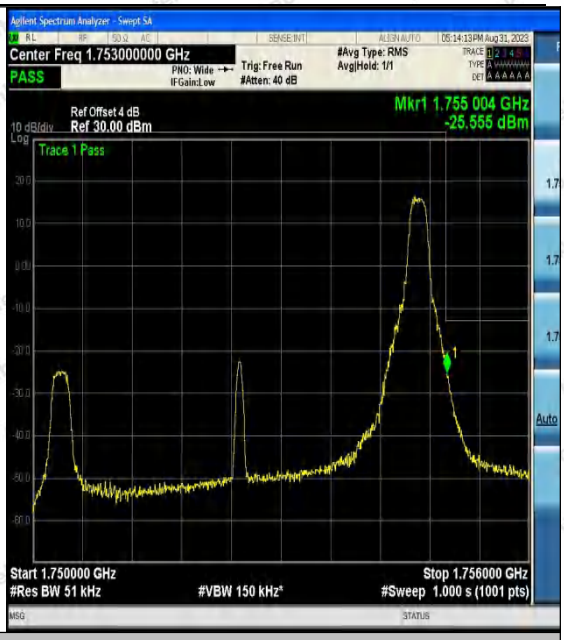


Band4_5MHz_16QAM_19975_25RB#0

Band4_5MHz_QPSK_20375_1RB#0

Band4_5MHz_16QAM_20375_1RB#0

Band4_5MHz_QPSK_20375_1RB#24



Band4_5MHz_16QAM_20375_1RB#24

Band4_5MHz_QPSK_20375_25RB#0

Band4_5MHz_16QAM_20375_25RB#0

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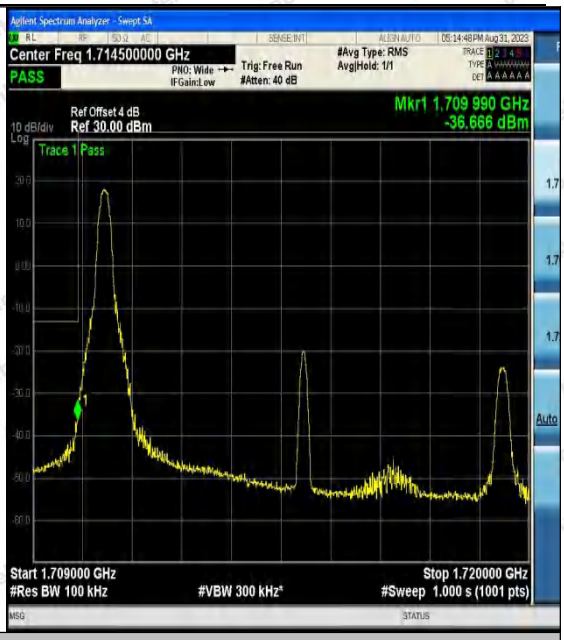


Band4_10MHz_16QAM_20000_1RB#0

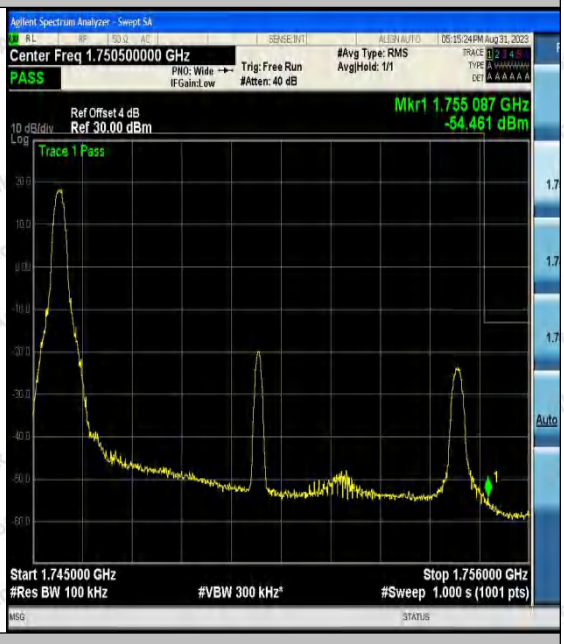
Band4_10MHz_QPSK_20000_1RB#49

Band4_10MHz_16QAM_20000_1RB#49

Band4_10MHz_QPSK_20000_50RB#0

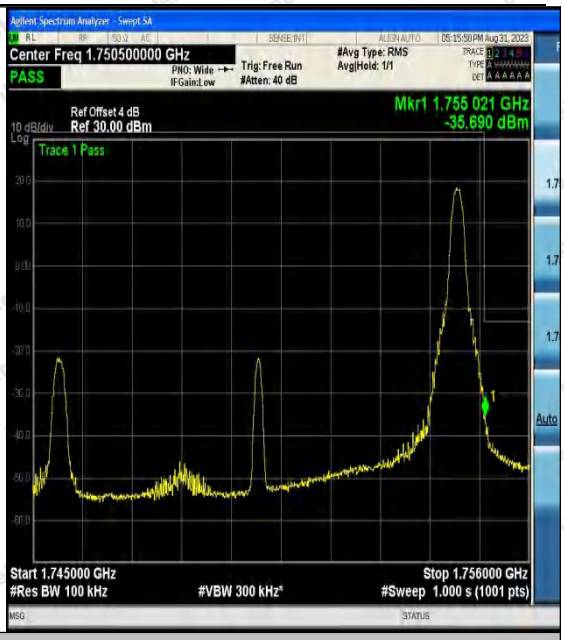
Band4_10MHz_16QAM_20000_50RB#0

Band4_10MHz_QPSK_20350_1RB#0



Band4_10MHz_16QAM_20350_1RB#0

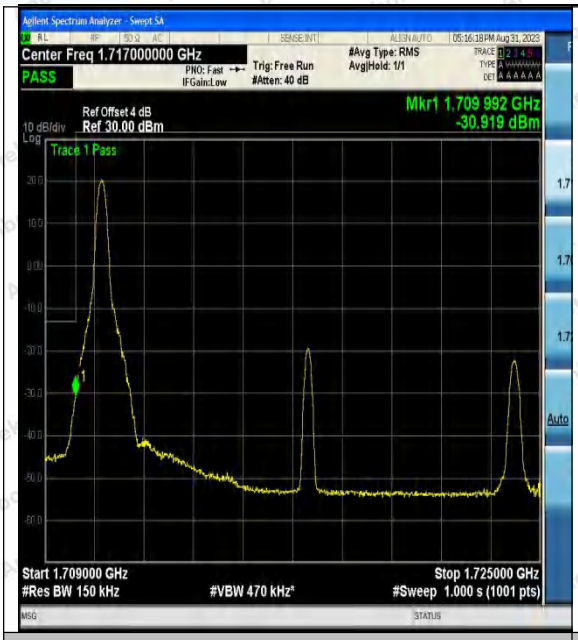
Band4_10MHz_QPSK_20350_1RB#49



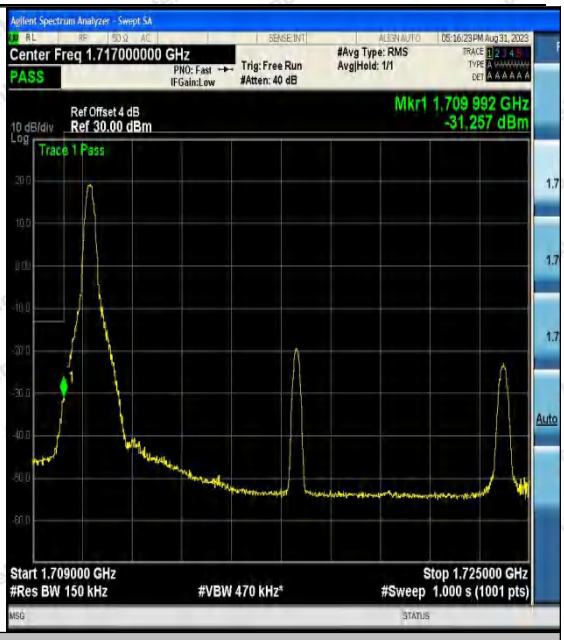
Band4_10MHz_16QAM_20350_1RB#49

Band4_10MHz_QPSK_20350_50RB#0

Band4_10MHz_16QAM_20350_50RB#0



Band4_15MHz_QPSK_20025_1RB#0



Band4_15MHz_16QAM_20025_1RB#0

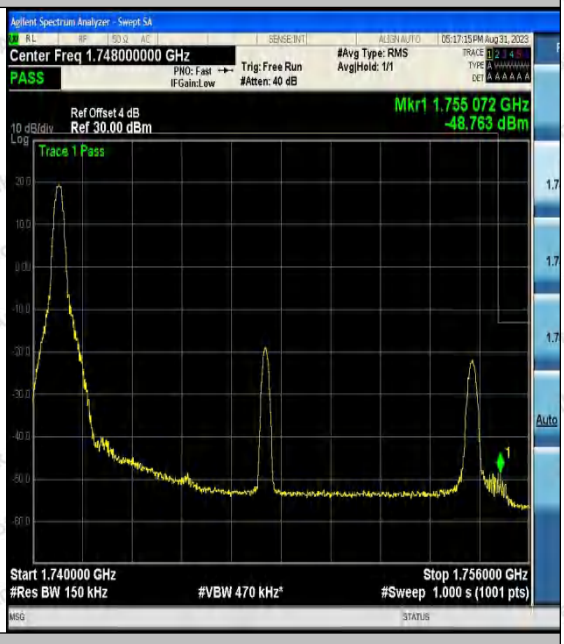
Band4_15MHz_QPSK_20025_1RB#74

Band4_15MHz_16QAM_20025_1RB#74

Band4_15MHz_16QAM_20025_75RB#0

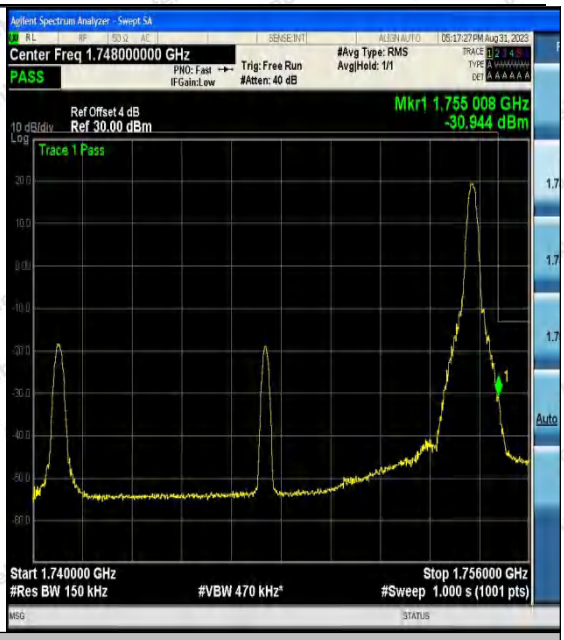
Band4_15MHz_QPSK_20025_75RB#0

Band4_15MHz_QPSK_20325_1RB#0



Band4_15MHz_16QAM_20325_1RB#0

Band4_15MHz_QPSK_20325_1RB#74



Band4_15MHz_16QAM_20325_1RB#74

Band4_15MHz_QPSK_20325_75RB#0

Band4_15MHz_16QAM_20325_75RB#0

Band4_20MHz_QPSK_20050_1RB#0

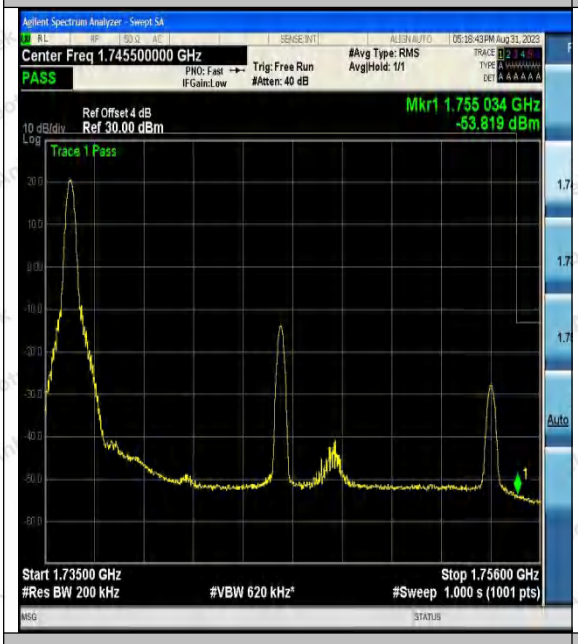
Band4_20MHz_16QAM_20050_1RB#0

Band4_20MHz_QPSK_20050_1RB#99

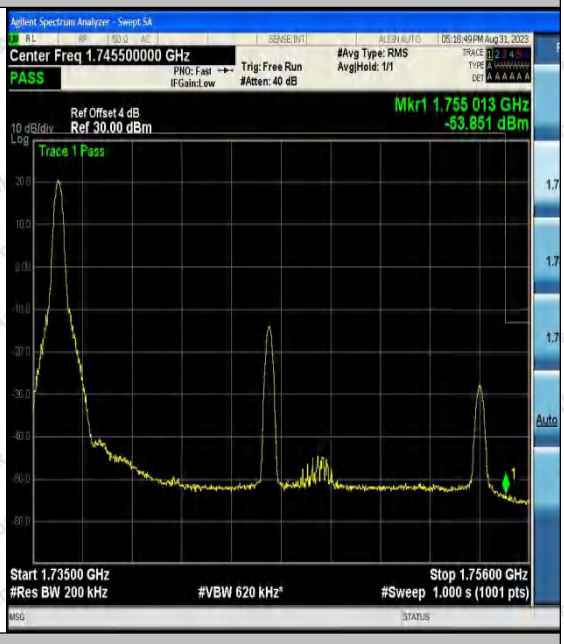
Band4_20MHz_16QAM_20050_1RB#99

Band4_20MHz_QPSK_20050_100RB#0

Band4_20MHz_16QAM_20050_100RB#0

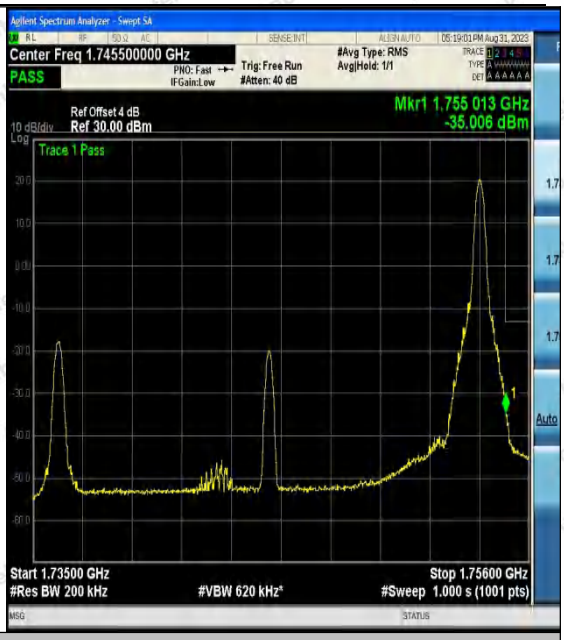


Band4_20MHz_QPSK_20300_1RB#0



Band4_20MHz_16QAM_20300_1RB#0

Band4_20MHz_QPSK_20300_1RB#99



Band4_20MHz_16QAM_20300_1RB#99

Band4_20MHz_QPSK_20300_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	1RB#0	Range1:30~1000MHz	-56.8	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-32.98	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-57.26	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-33.13	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-57.14	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-33.7	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-56.66	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-33.41	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-55.22	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-32.38	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-56.82	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-32.84	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1000MHz	-57.07	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000~20000MHz	-33.12	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-57.31	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-33.25	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1000MHz	-56.86	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000~	-33.6	PASS

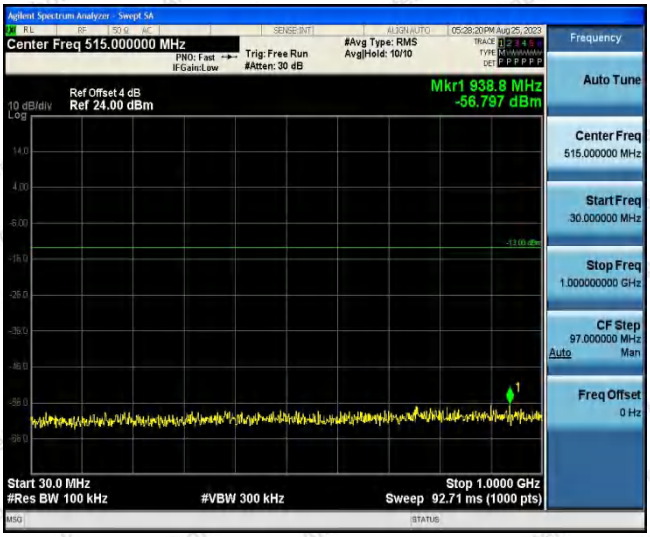
					20000MHz	5	
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1000MHz	-57.17	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000~20000MHz	-33.5	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-57.29	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-33.4	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1000MHz	-56.68	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000~20000MHz	-33.24	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1000MHz	-57.31	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000~20000MHz	-32.39	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-56.97	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-32.83	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1000MHz	-57.48	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000~20000MHz	-32.45	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1000MHz	-57.31	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000~20000MHz	-33.12	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-56.74	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-33.08	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1000MHz	-56.99	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range2:1000~20000MHz	-32.93	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range1:30~1000MHz	-56.67	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:1000~20000MHz	-32.35	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-57.49	PASS

Band4	10MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-31.56	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:30~1000MHz	-56.8	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:1000~20000MHz	-33.05	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:30~1000MHz	-57.09	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:1000~20000MHz	-33.34	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-57.08	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-33.64	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:30~1000MHz	-57.01	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range2:1000~20000MHz	-32.95	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range1:30~1000MHz	-56.57	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:1000~20000MHz	-32.74	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-56.91	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-33.16	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:30~1000MHz	-56.64	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:1000~20000MHz	-33.57	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:30~1000MHz	-57.57	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:1000~20000MHz	-33.42	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-56.22	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-32.72	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:30~1000MHz	-57.5	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:1000~20000MHz	-33.18	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~10	-57.3	PASS

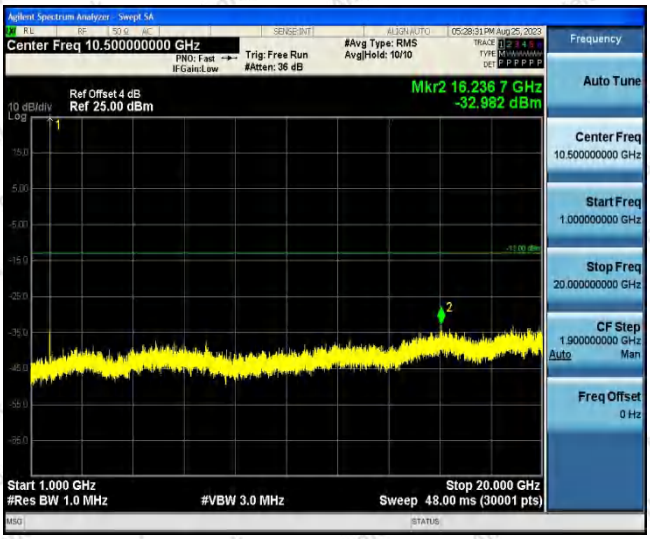
					00MHz		
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000MHz	-32.55	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-57.04	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-33.16	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-56.99	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000MHz	-33.27	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-57.02	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000MHz	-33.23	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-56.94	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-33.84	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-57.11	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000MHz	-33.25	PASS

Test Graphs

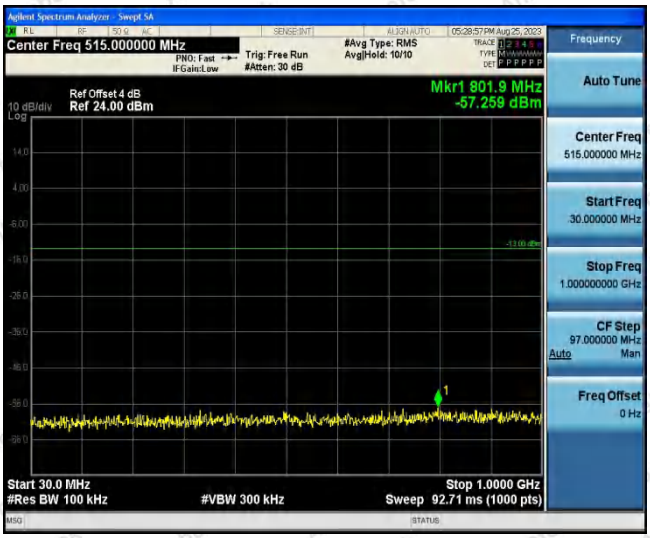
Band4-1.4MHz-QPSK-19957-1RB#0-Range1:30~1000MHz



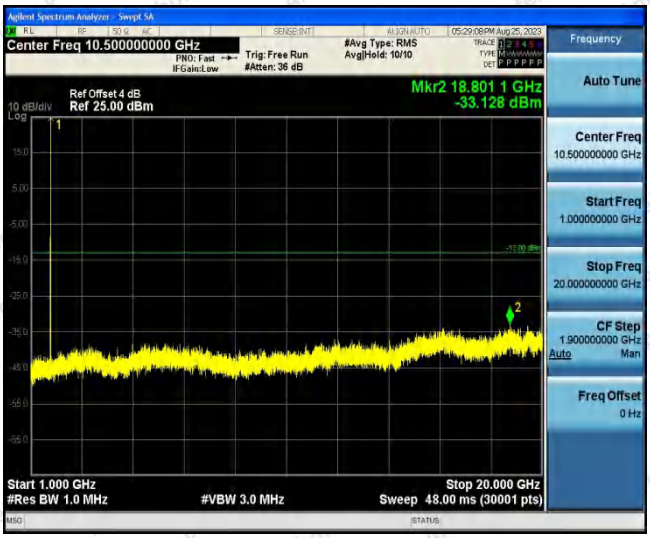
Band4-1.4MHz-QPSK-19957-1RB#0-Range2:1000~20000MHz



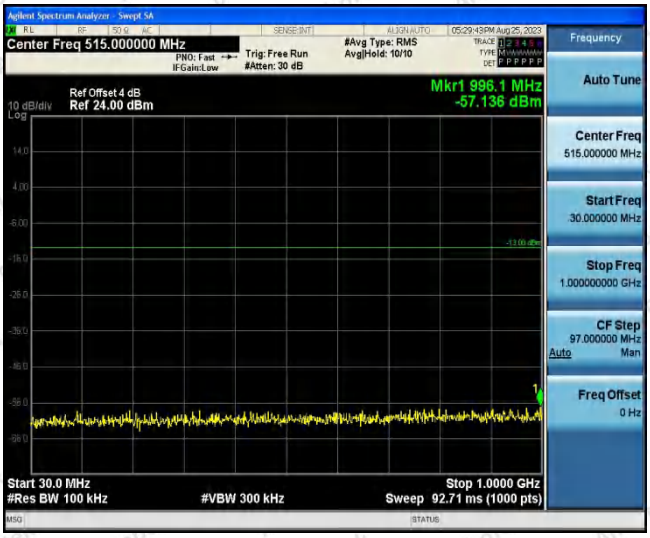
Band4-1.4MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



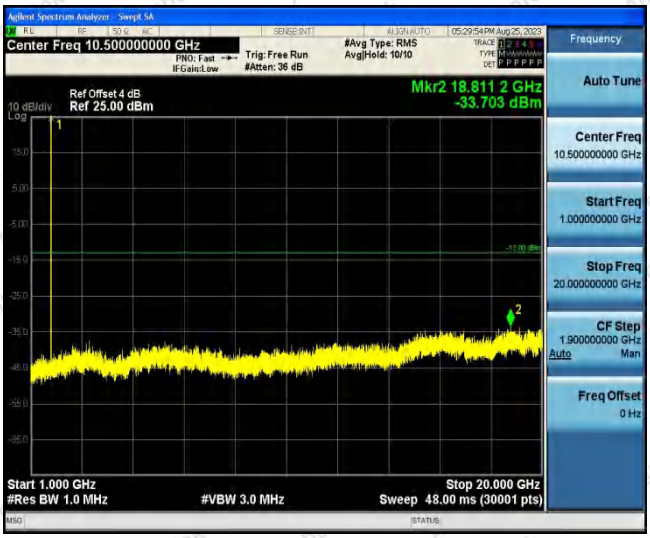
Band4-1.4MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



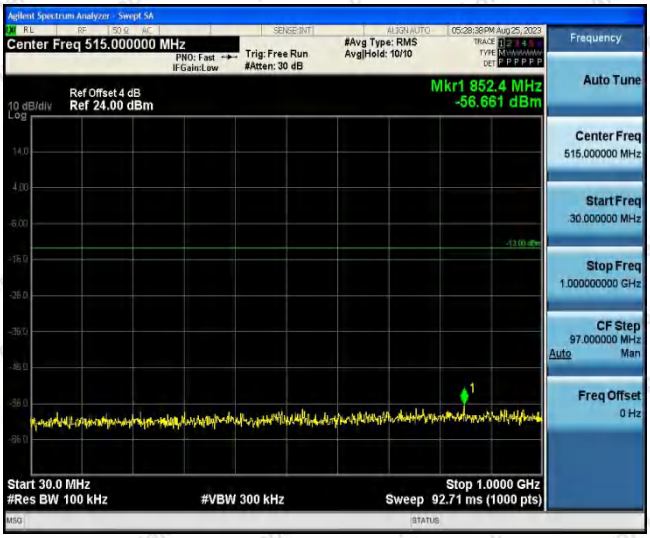
Band4-1.4MHz-QPSK-20393-1RB#0-Range1:30~1000MHz



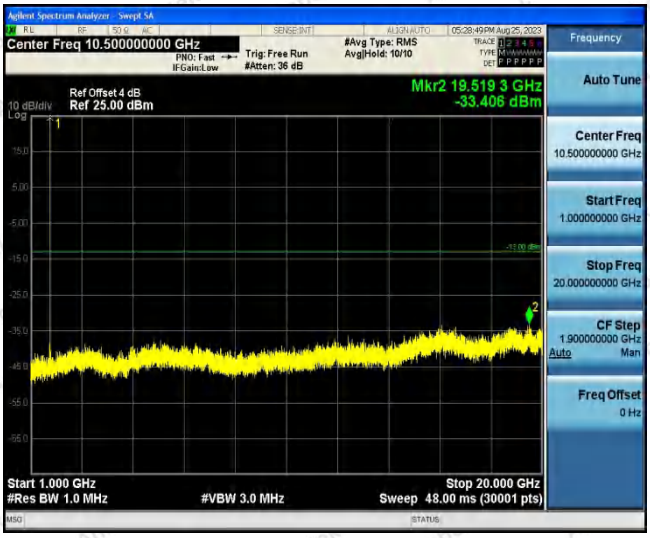
Band4-1.4MHz-QPSK-20393-1RB#0-Range2:1000~20000MHz



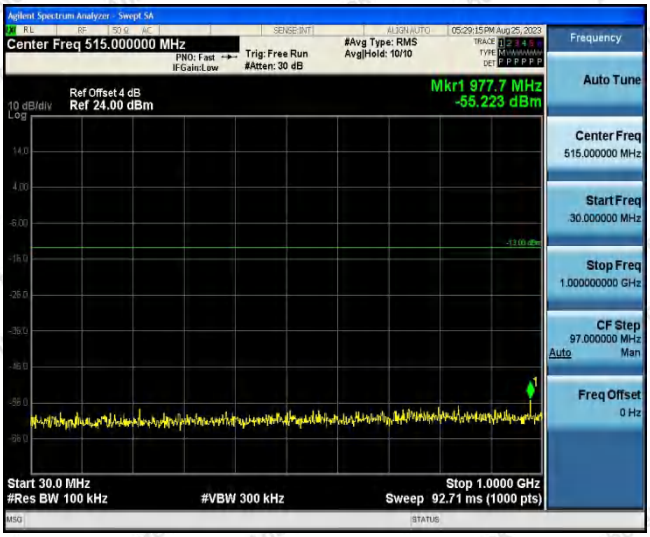
Band4-1.4MHz-16QAM-19957-1RB#0-Range1:30~1000MHz



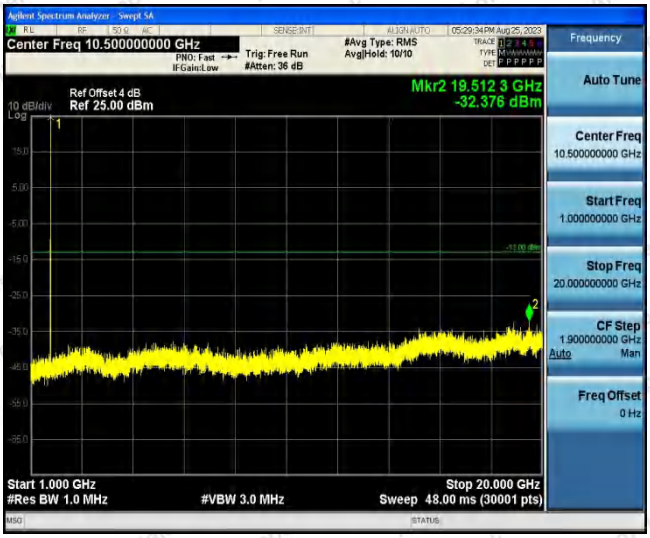
Band4-1.4MHz-16QAM-19957-1RB#0-Range2:1000~20000MHz



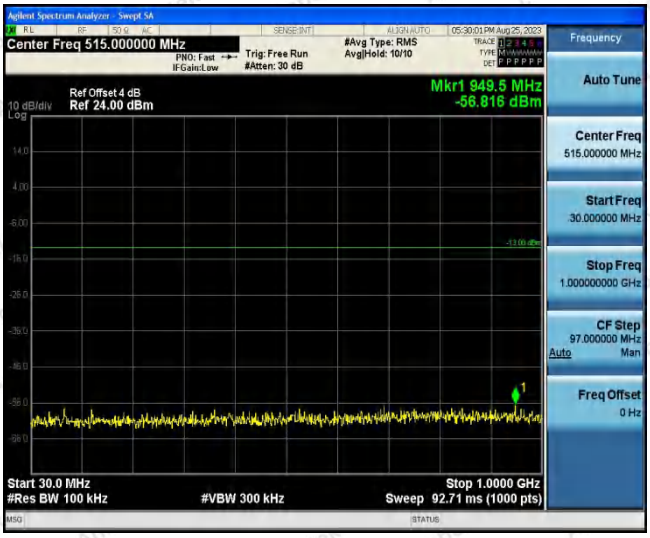
Band4-1.4MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



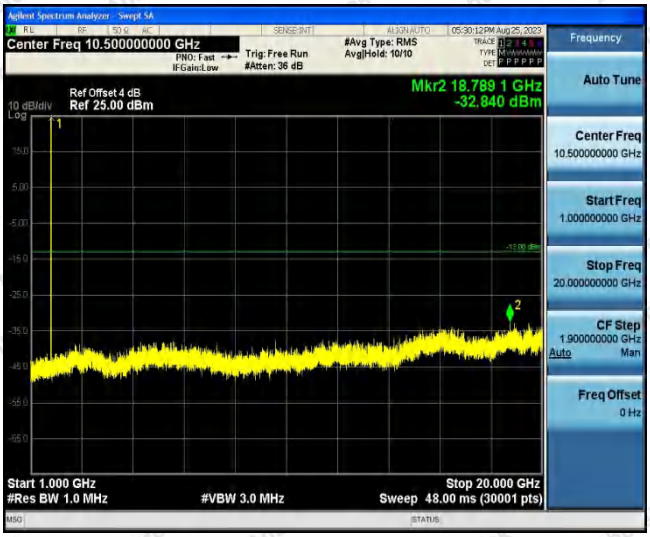
Band4-1.4MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



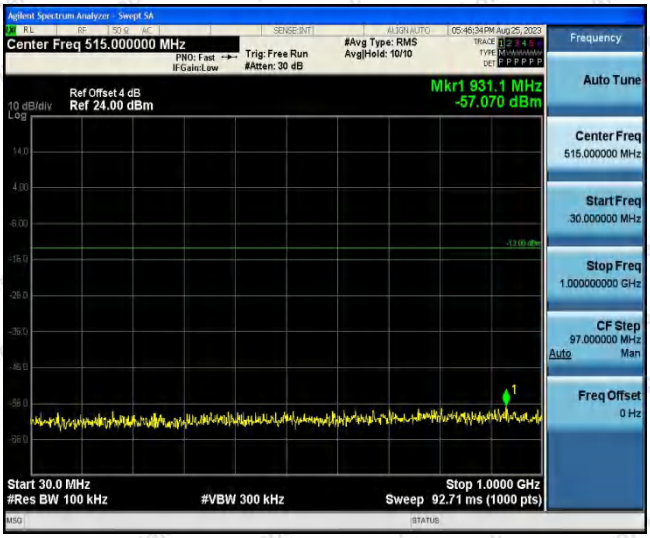
Band4-1.4MHz-16QAM-20393-1RB#0-Range1:30~1000MHz



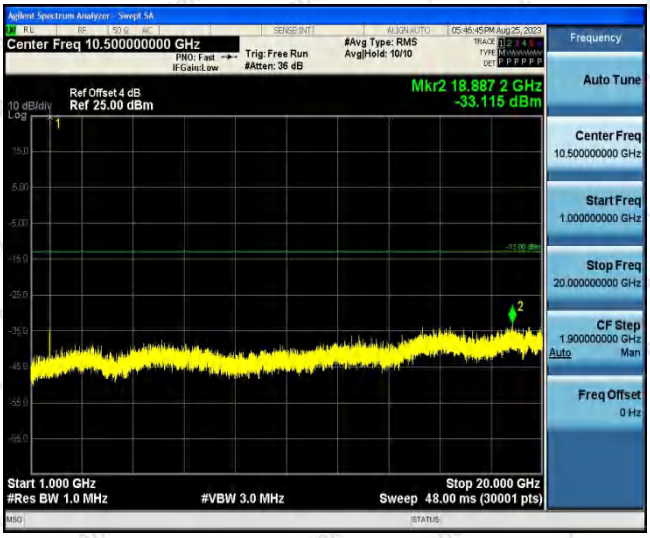
Band4-1.4MHz-16QAM-20393-1RB#0-Range2:1000~20000MHz



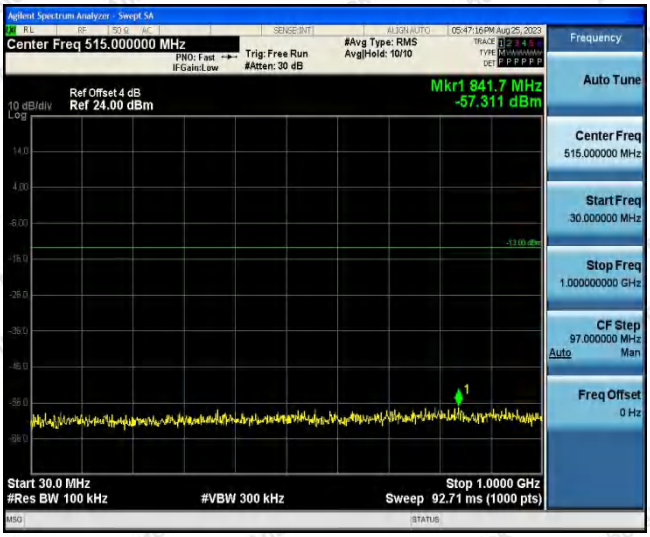
Band4-3MHz-QPSK-19965-1RB#0-Range1:30~1000MHz



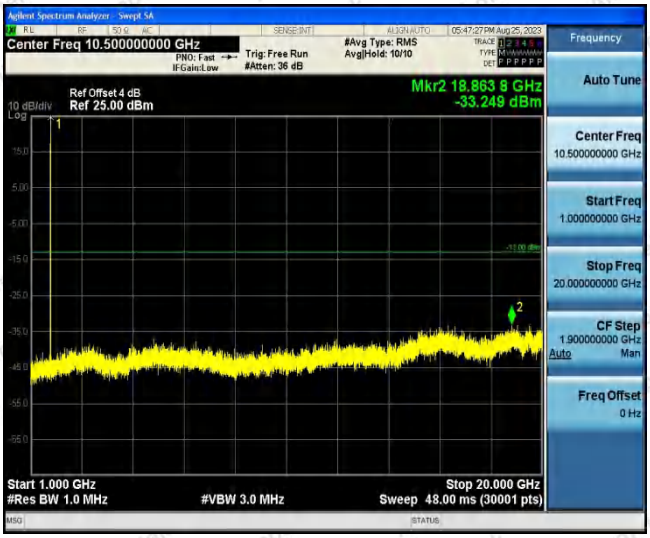
Band4-3MHz-QPSK-19965-1RB#0-Range2:1000~20000MHz



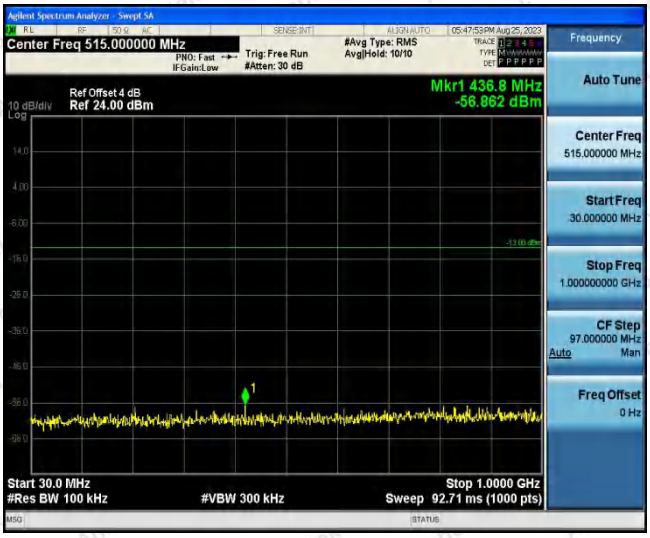
Band4-3MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



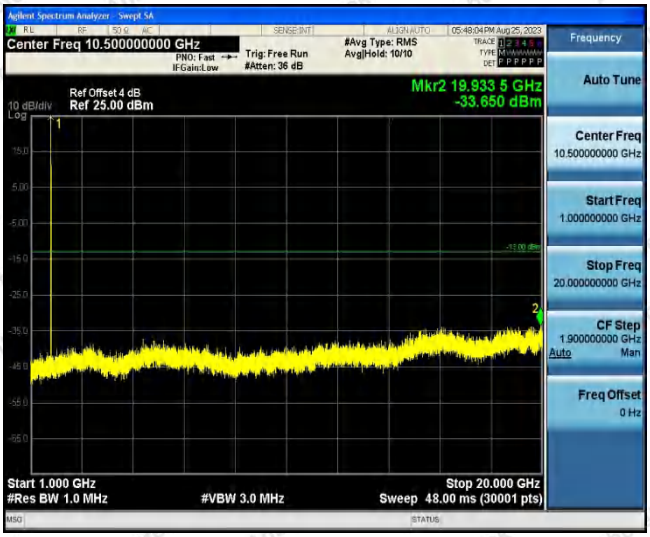
Band4-3MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



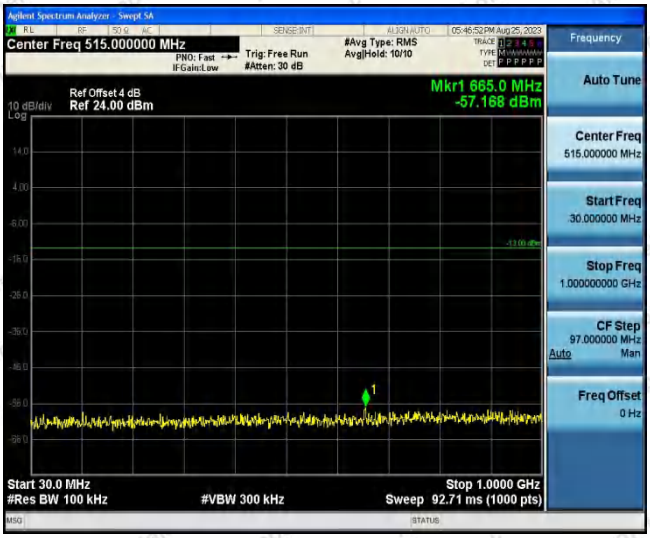
Band4-3MHz-QPSK-20385-1RB#0-Range1:30~1000MHz



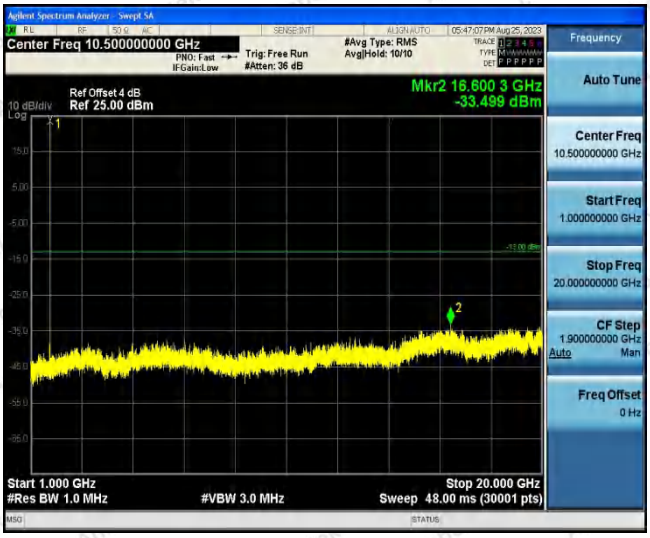
Band4-3MHz-QPSK-20385-1RB#0-Range2:1000~20000MHz



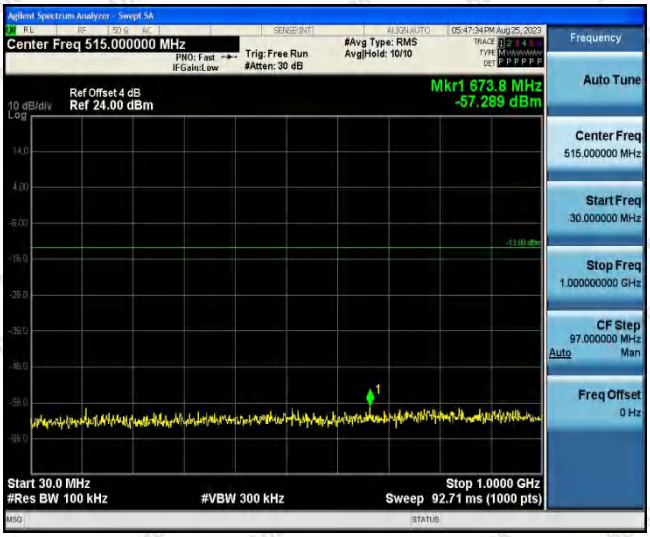
Band4-3MHz-16QAM-19965-1RB#0-Range1:30~1000MHz



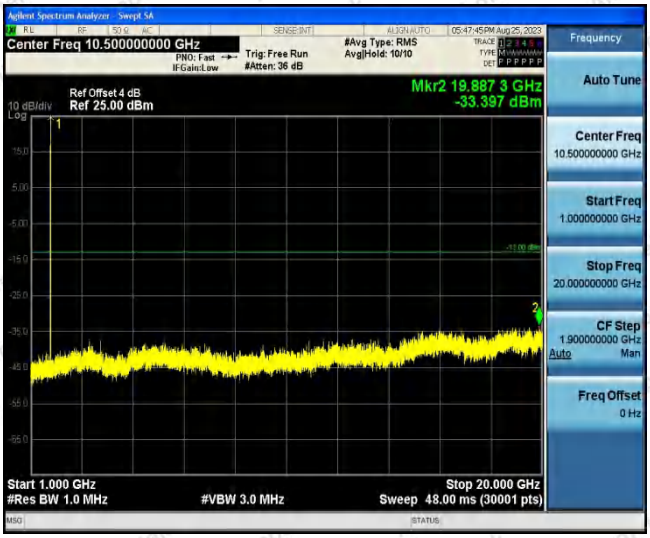
Band4-3MHz-16QAM-19965-1RB#0-Range2:1000~20000MHz



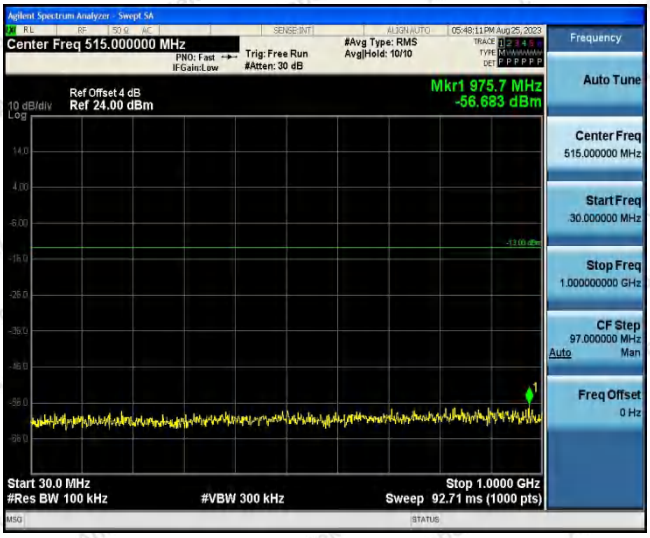
Band4-3MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



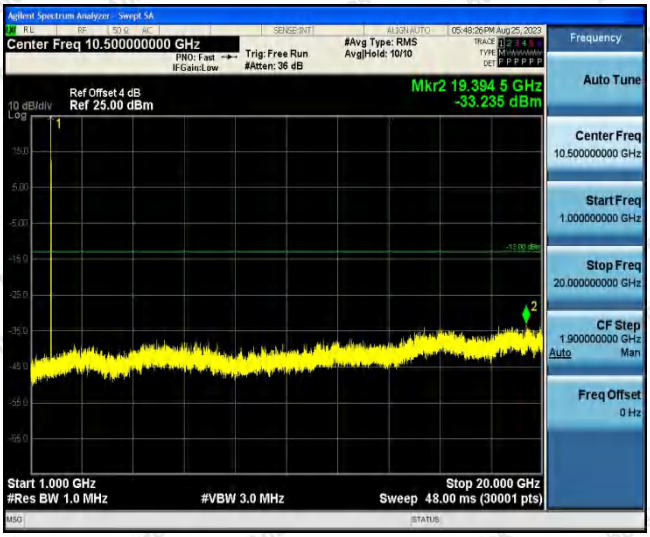
Band4-3MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



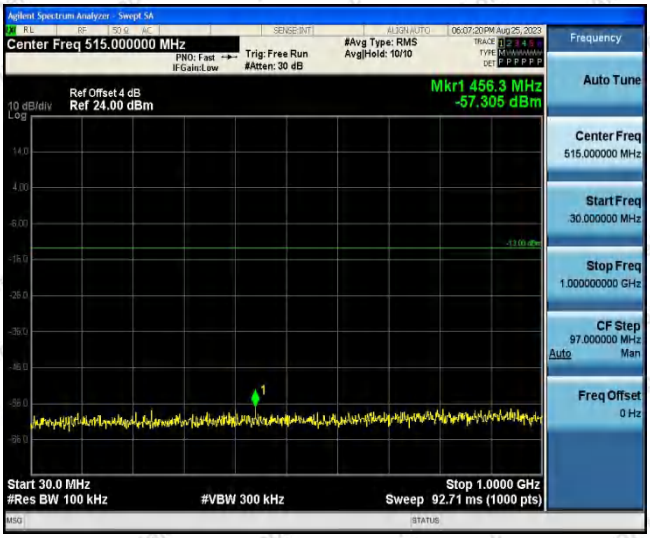
Band4-3MHz-16QAM-20385-1RB#0-Range1:30~1000MHz



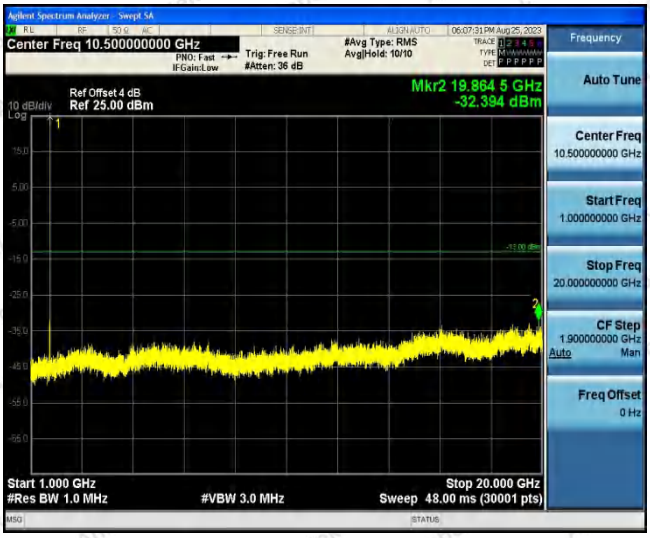
Band4-3MHz-16QAM-20385-1RB#0-Range2:1000~20000MHz



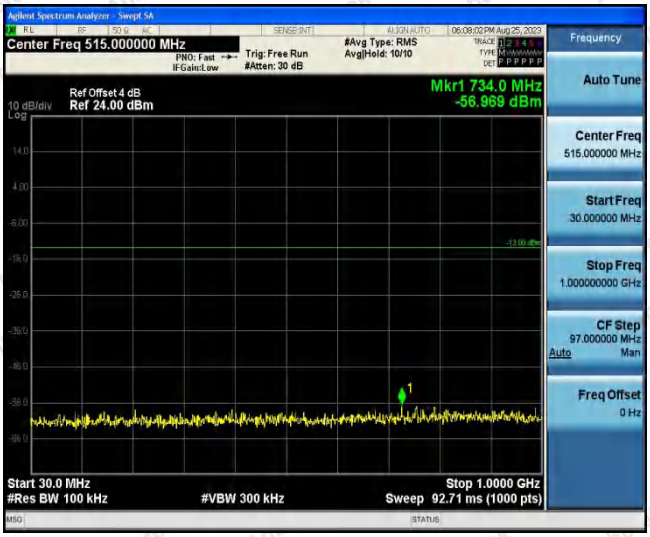
Band4-5MHz-QPSK-19975-1RB#0-Range1:30~1000MHz



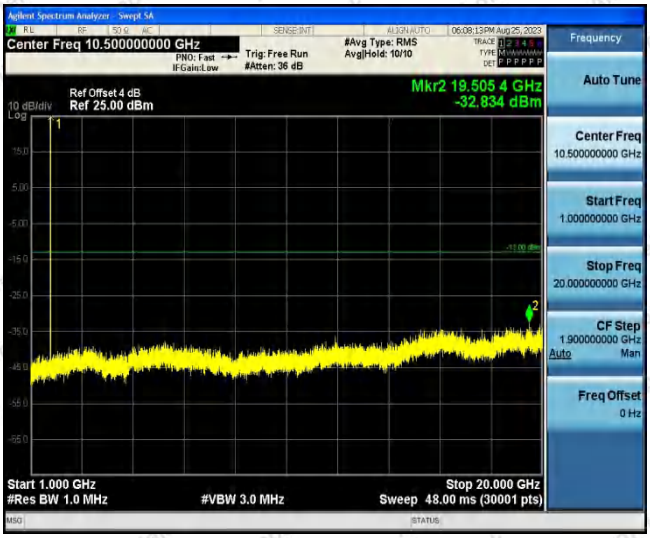
Band4-5MHz-QPSK-19975-1RB#0-Range2:1000~20000MHz



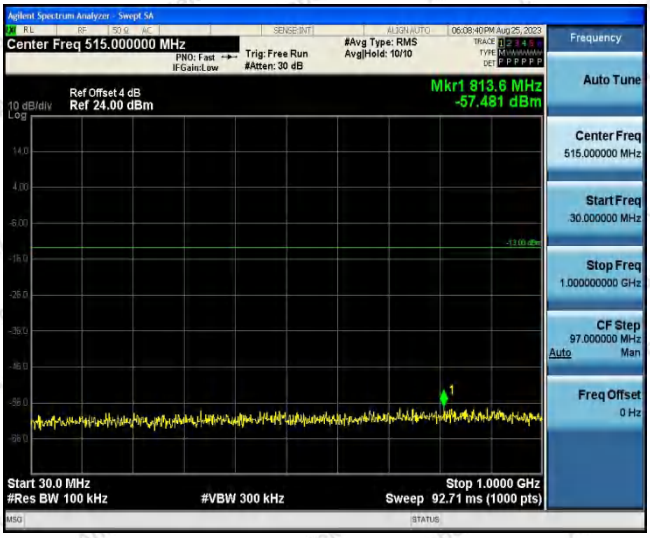
Band4-5MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



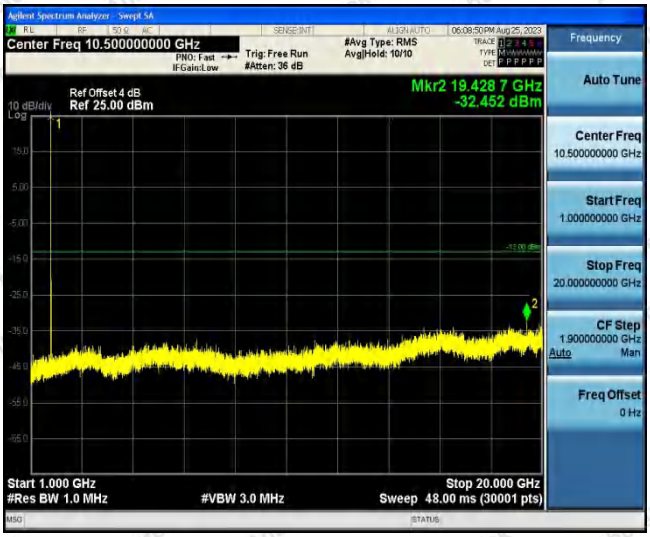
Band4-5MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



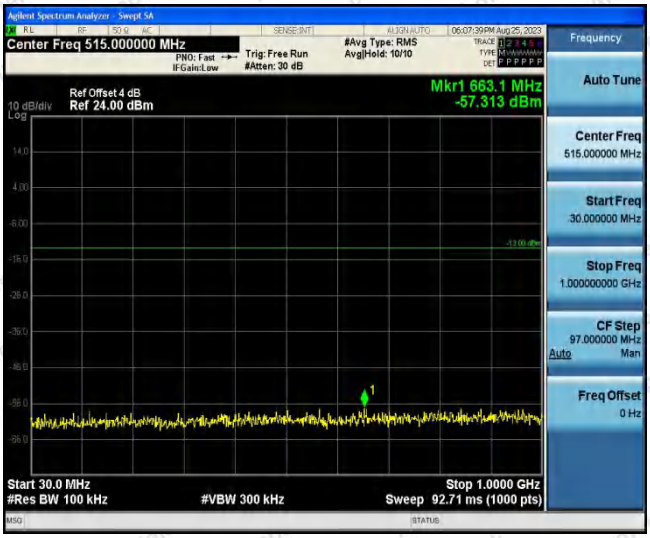
Band4-5MHz-QPSK-20375-1RB#0-Range1:30~1000MHz



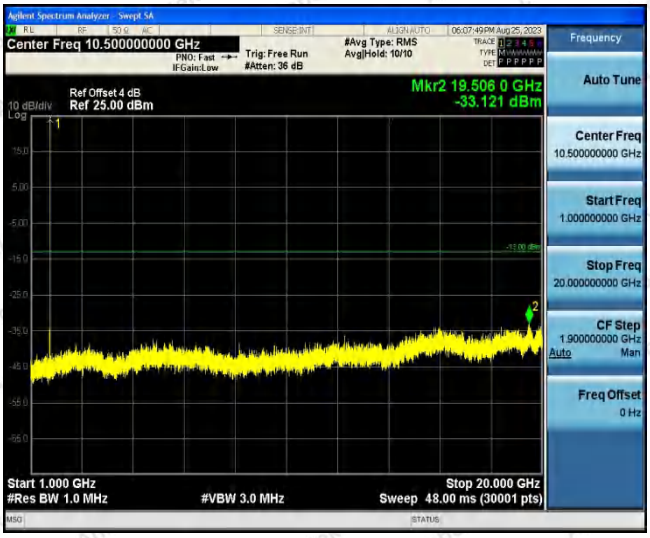
Band4-5MHz-QPSK-20375-1RB#0-Range2:1000~20000MHz



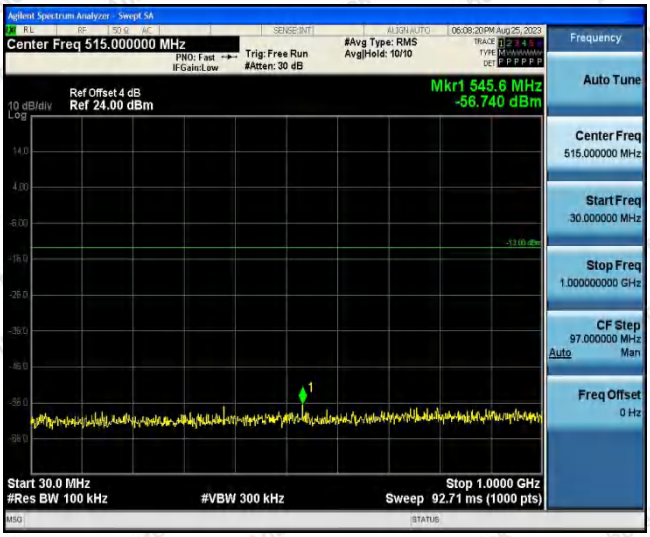
Band4-5MHz-16QAM-19975-1RB#0-Range1:30~1000MHz



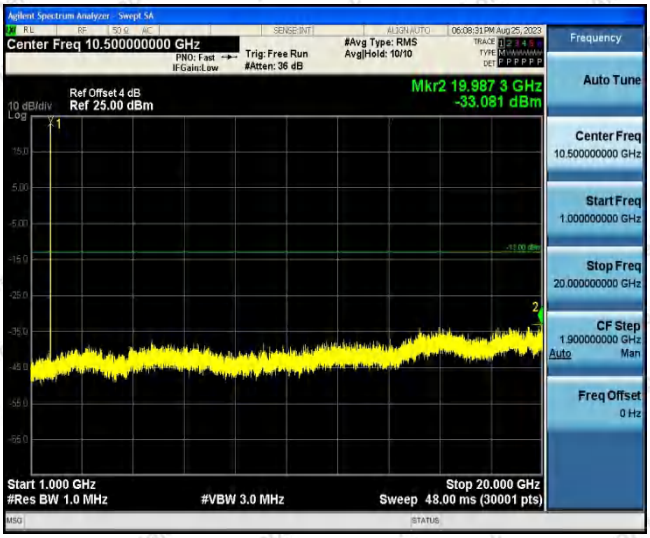
Band4-5MHz-16QAM-19975-1RB#0-Range2:1000~20000MHz



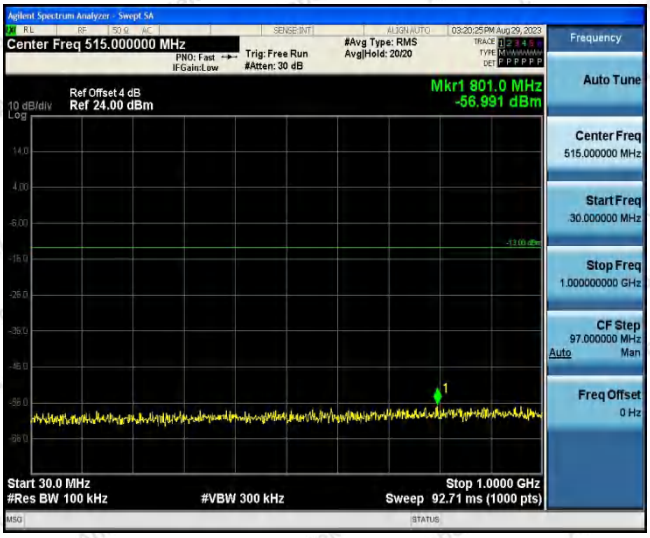
Band4-5MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



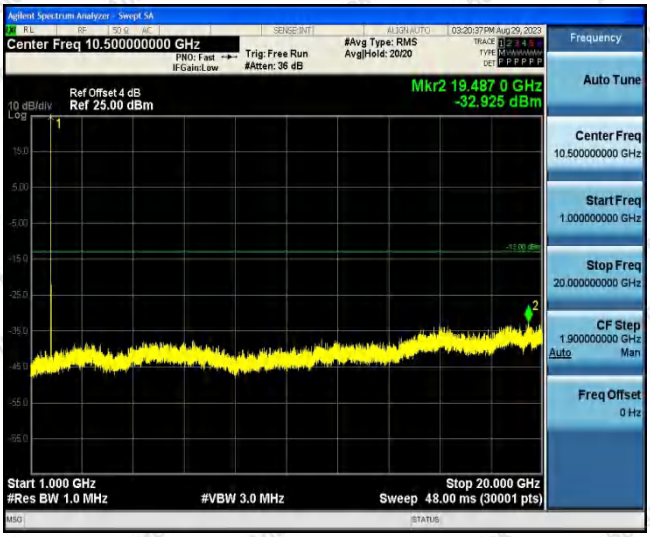
Band4-5MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



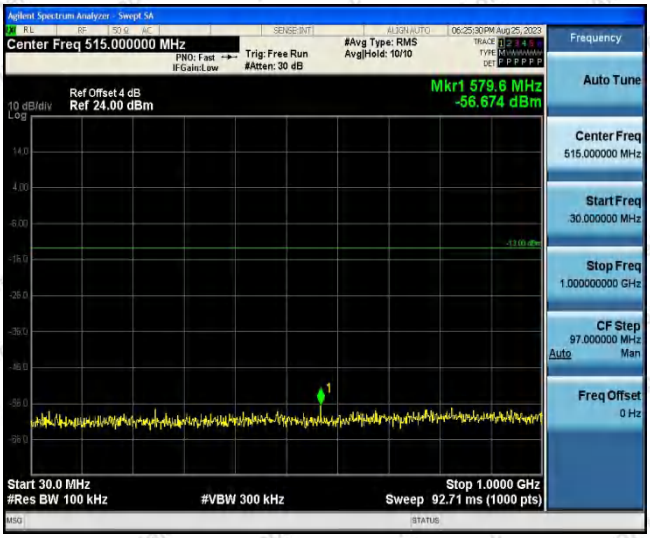
Band4-5MHz-16QAM-20375-1RB#0-Range1:30~1000MHz



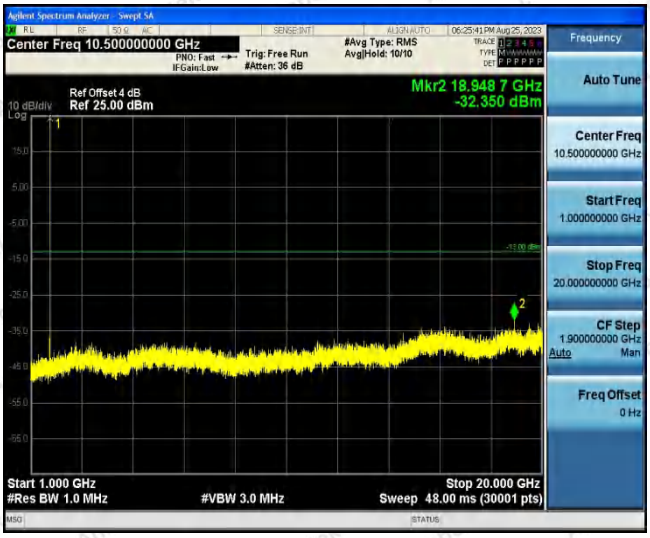
Band4-5MHz-16QAM-20375-1RB#0-Range2:1000~20000MHz



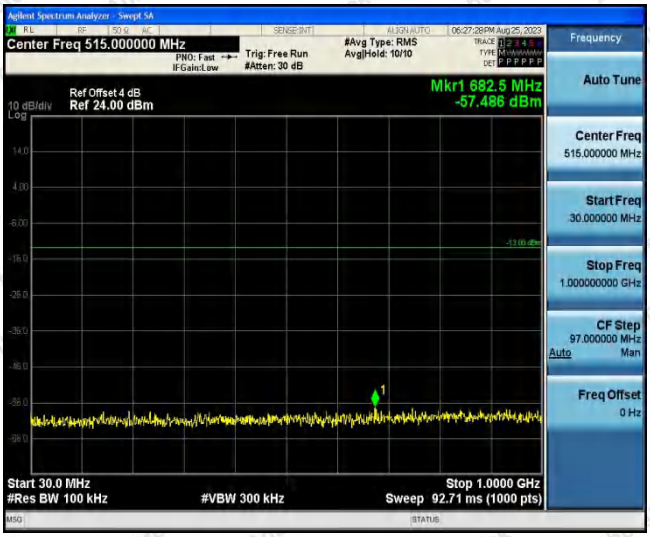
Band4-10MHz-QPSK-20000-1RB#0-Range1:30~1000MHz



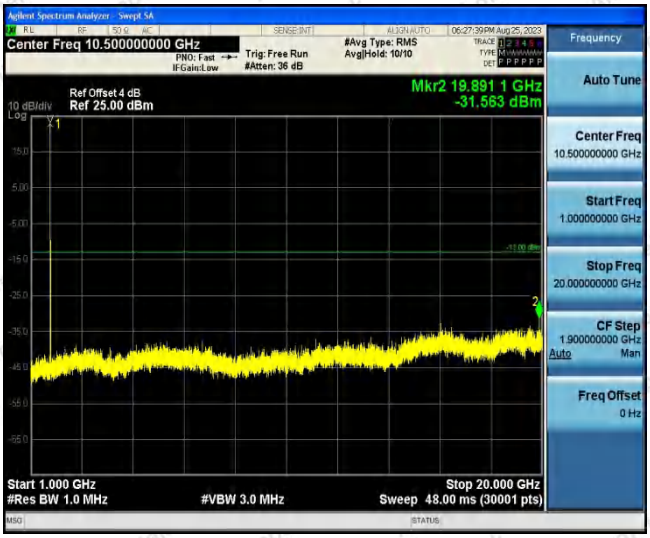
Band4-10MHz-QPSK-20000-1RB#0-Range2:1000~20000MHz



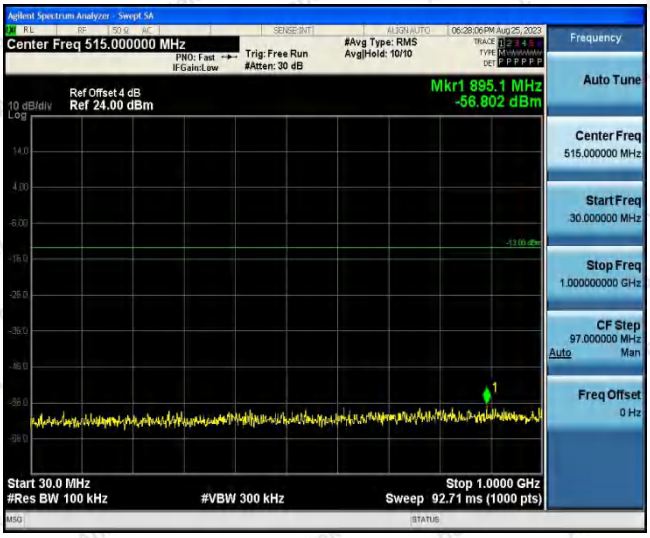
Band4-10MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



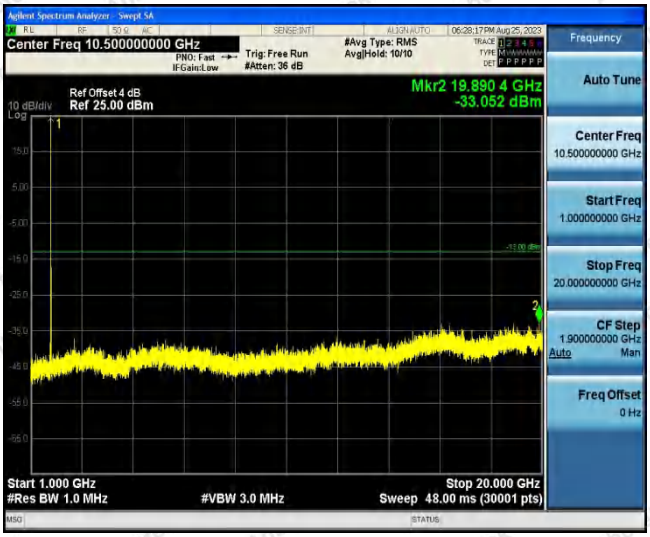
Band4-10MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



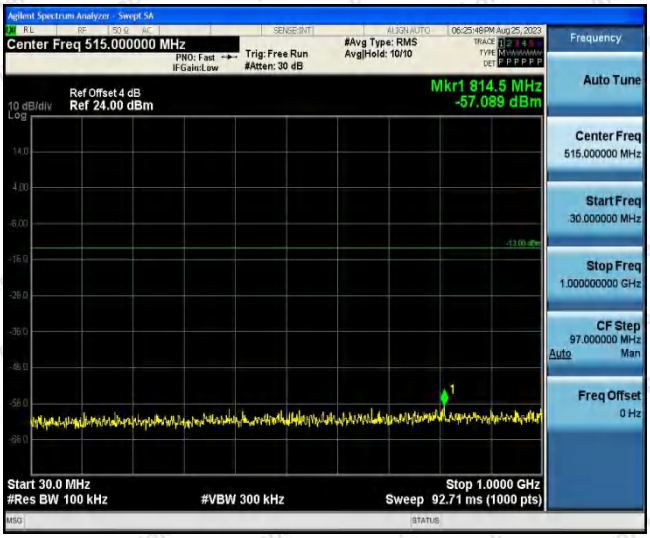
Band4-10MHz-QPSK-20350-1RB#0-Range1:30~1000MHz



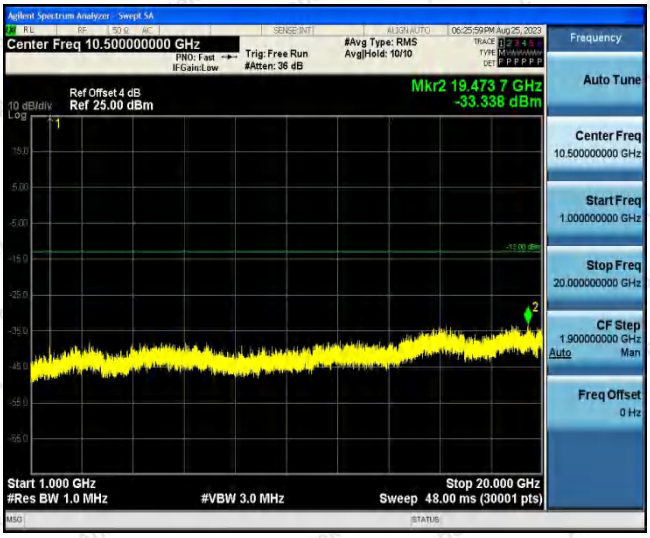
Band4-10MHz-QPSK-20350-1RB#0-Range2:1000~20000MHz



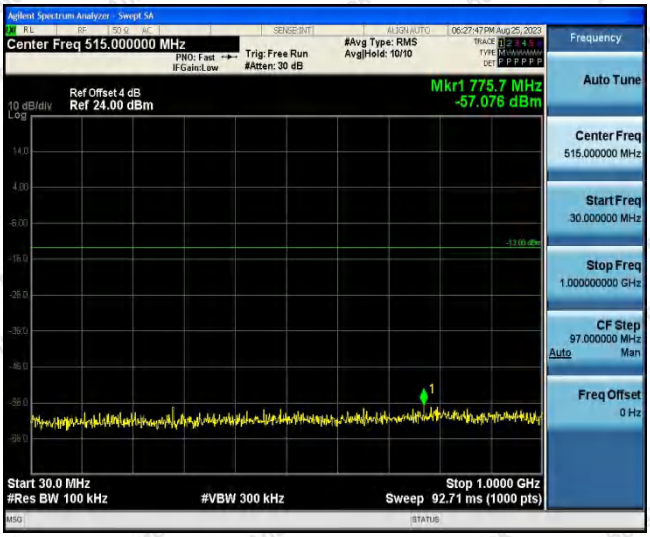
Band4-10MHz-16QAM-20000-1RB#0-Range1:30~1000MHz



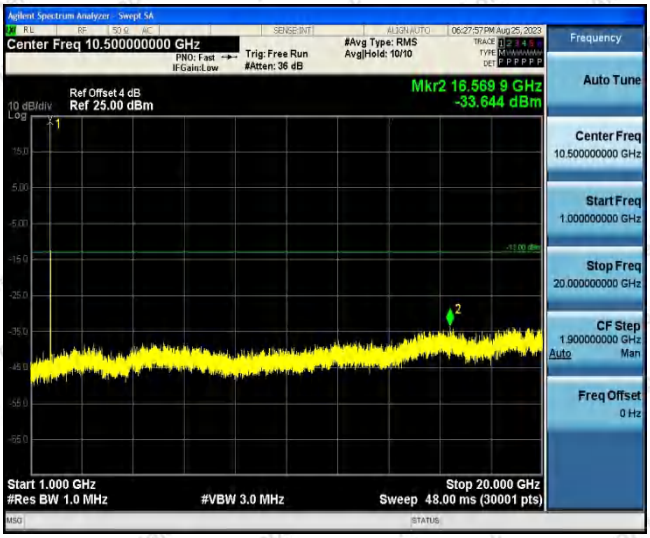
Band4-10MHz-16QAM-20000-1RB#0-Range2:1000~20000MHz



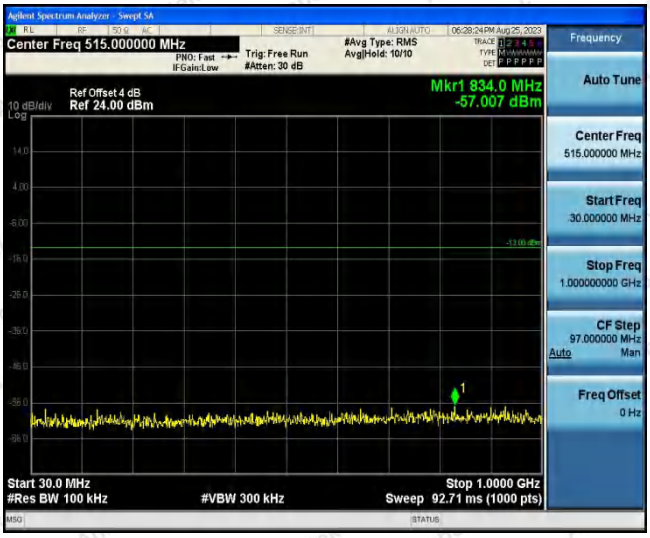
Band4-10MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



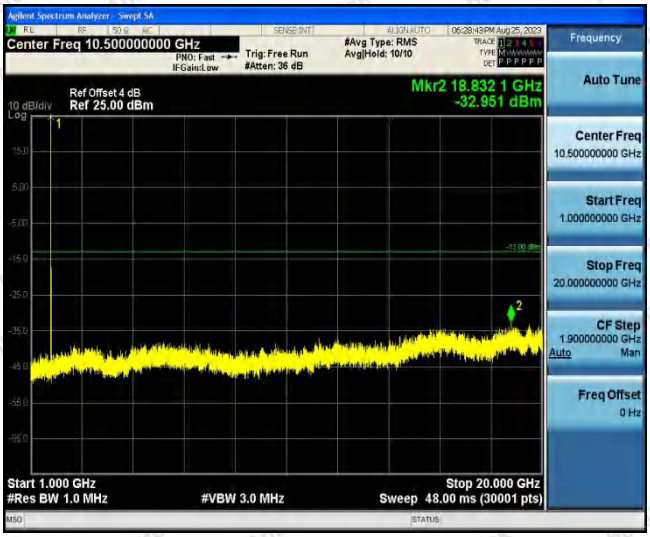
Band4-10MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



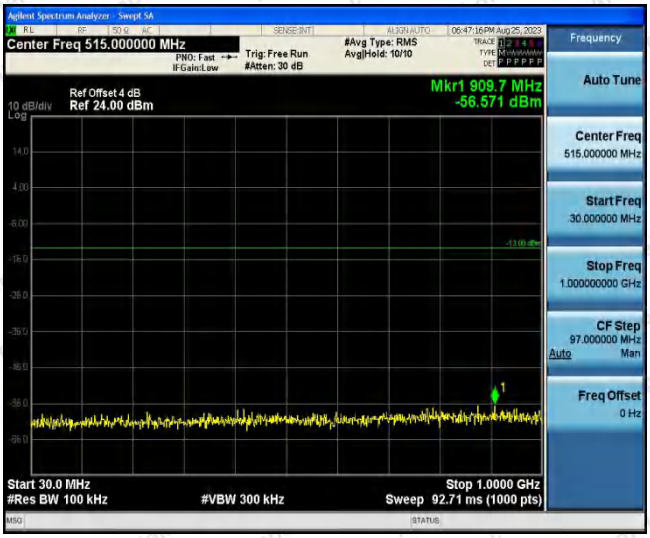
Band4-10MHz-16QAM-20350-1RB#0-Range1:30~1000MHz



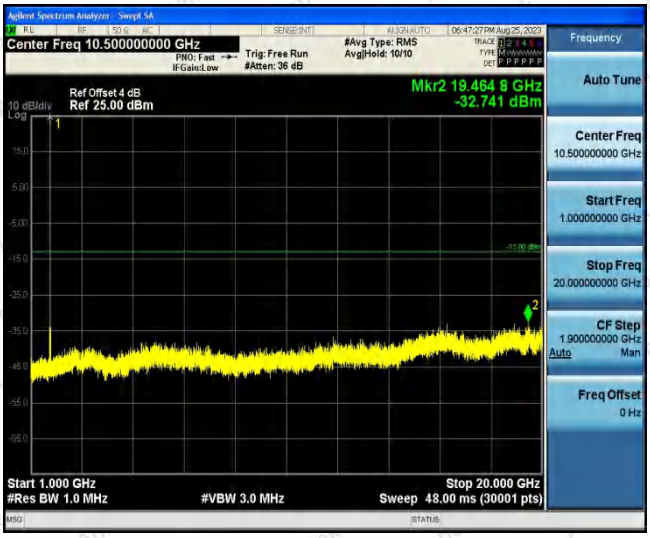
Band4-10MHz-16QAM-20350-1RB#0-Range2:1000~20000MHz



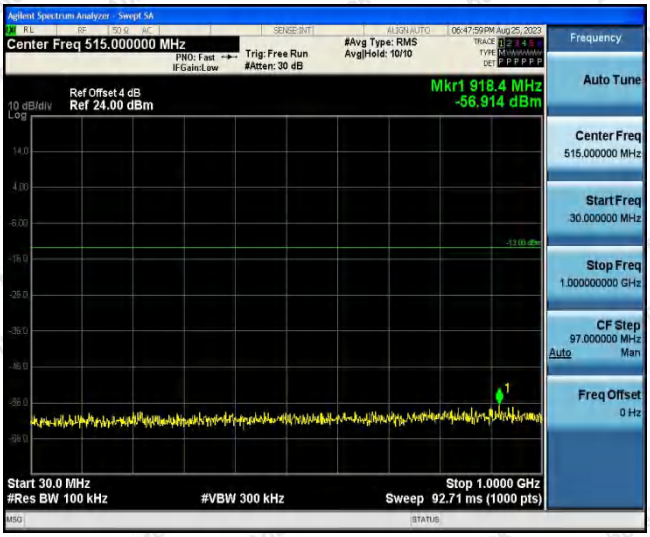
Band4-15MHz-QPSK-20025-1RB#0-Range1:30~1000MHz



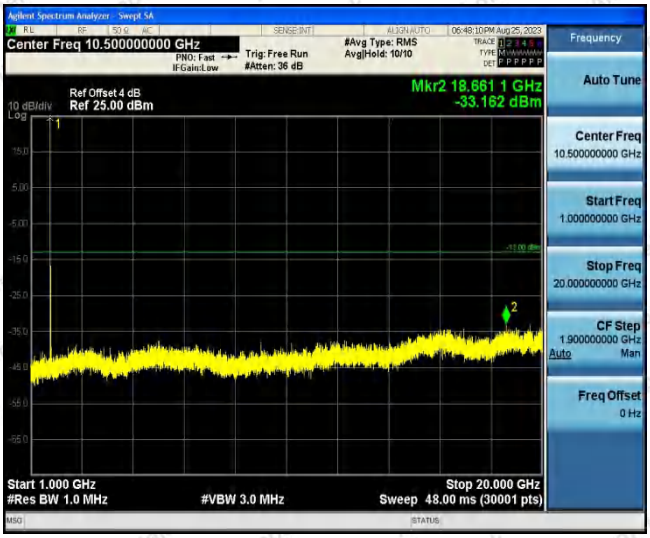
Band4-15MHz-QPSK-20025-1RB#0-Range2:1000~20000MHz



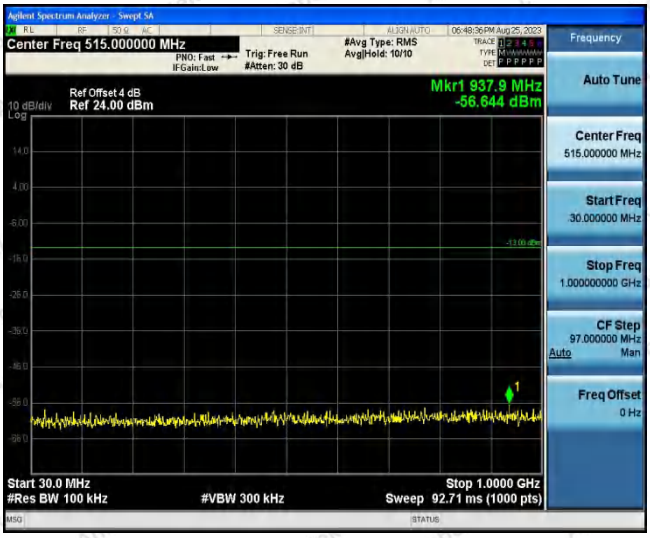
Band4-15MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



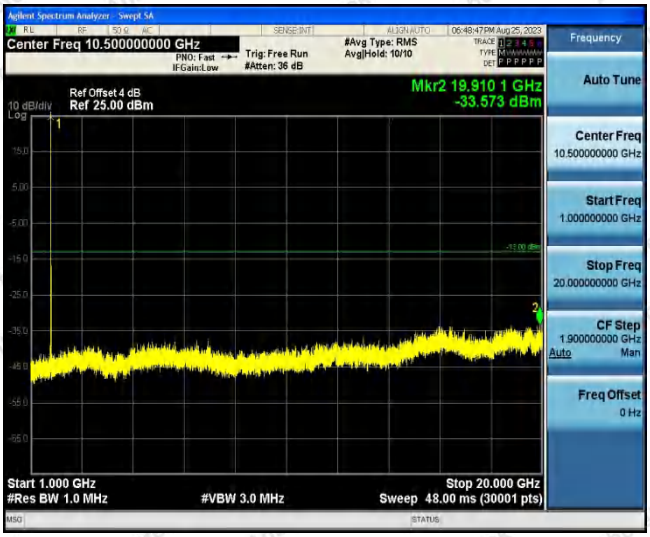
Band4-15MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



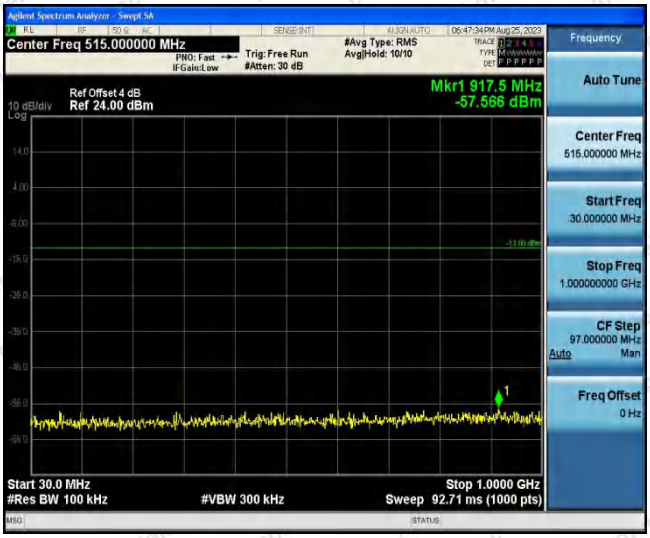
Band4-15MHz-QPSK-20325-1RB#0-Range1:30~1000MHz



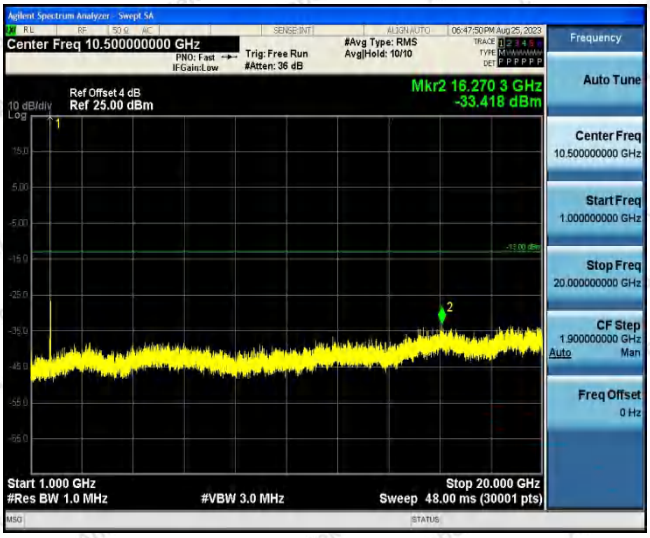
Band4-15MHz-QPSK-20325-1RB#0-Range2:1000~20000MHz



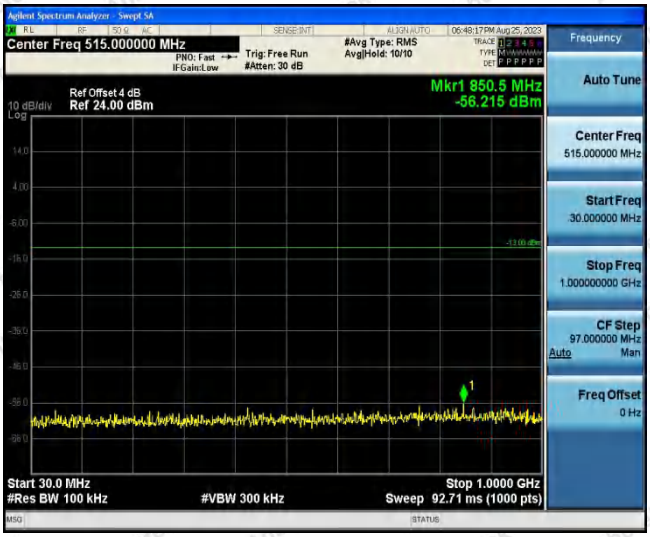
Band4-15MHz-16QAM-20025-1RB#0-Range1:30~1000MHz



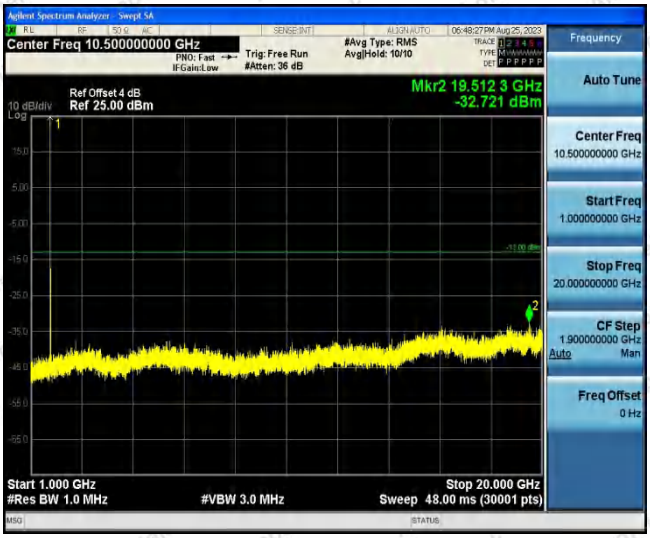
Band4-15MHz-16QAM-20025-1RB#0-Range2:1000~20000MHz



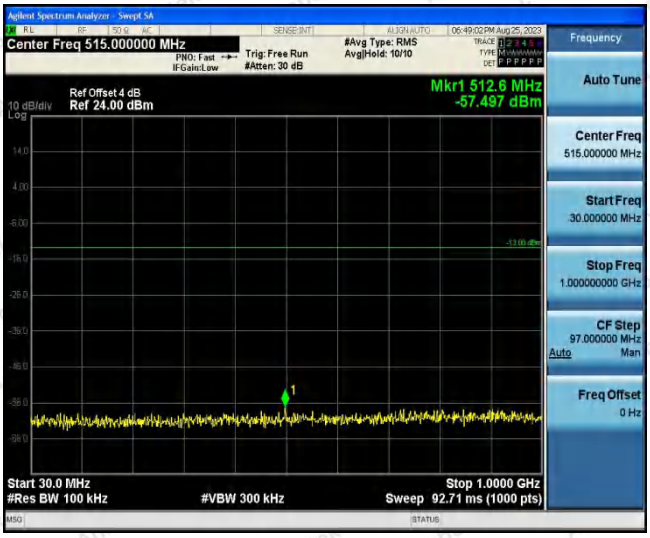
Band4-15MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



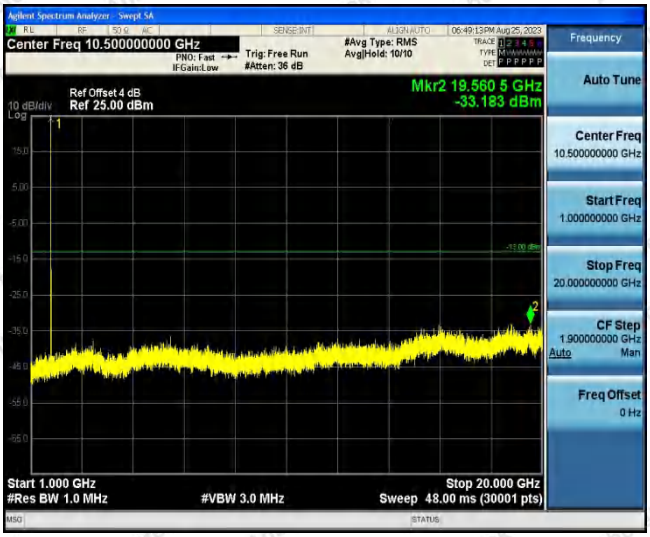
Band4-15MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



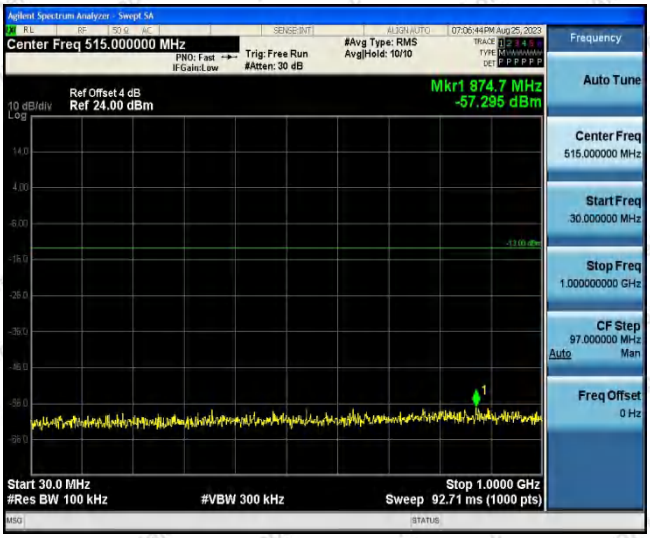
Band4-15MHz-16QAM-20325-1RB#0-Range1:30~1000MHz



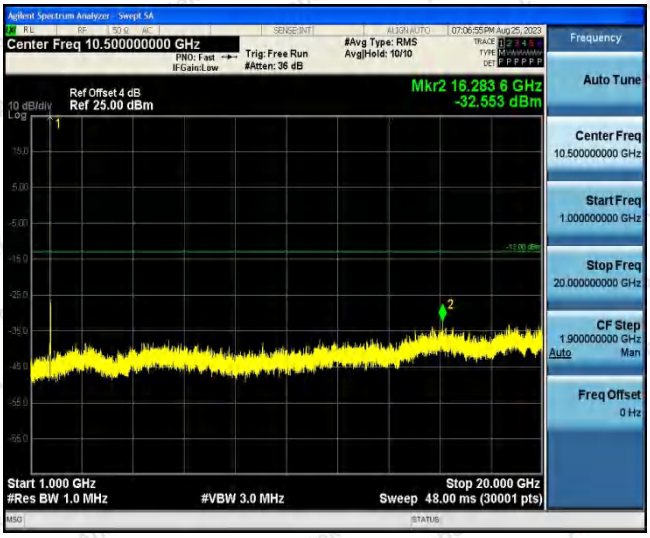
Band4-15MHz-16QAM-20325-1RB#0-Range2:1000~20000MHz



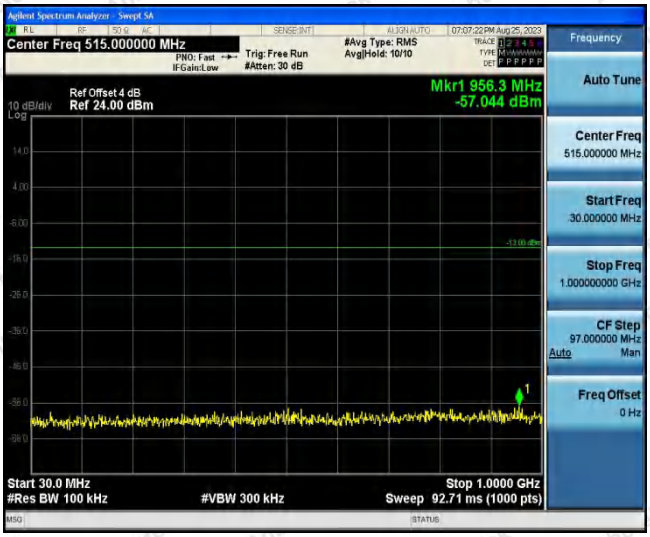
Band4-20MHz-QPSK-20050-1RB#0-Range1:30~1000MHz



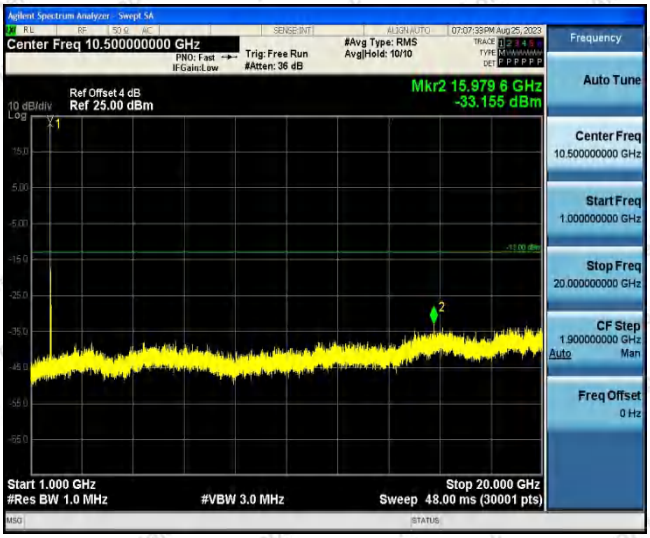
Band4-20MHz-QPSK-20050-1RB#0-Range2:1000~20000MHz



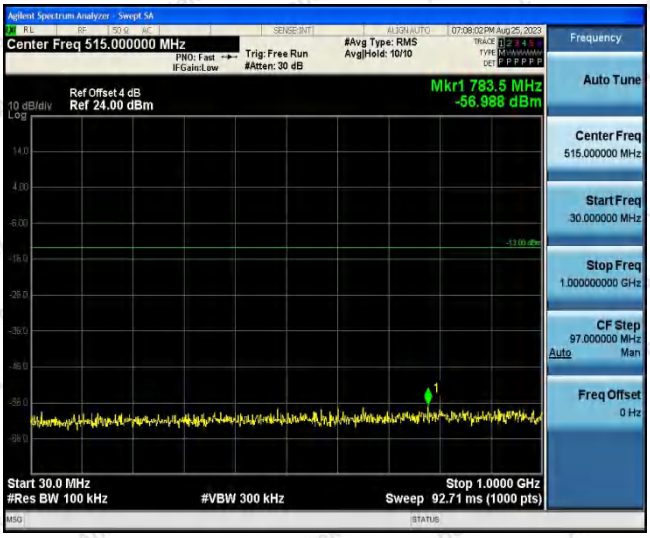
Band4-20MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



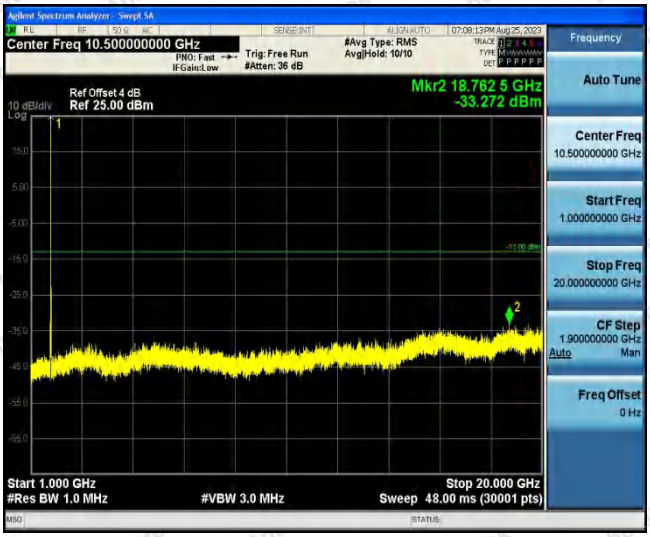
Band4-20MHz-QPSK-20175-1RB#0-Range2:1000~20000MHz



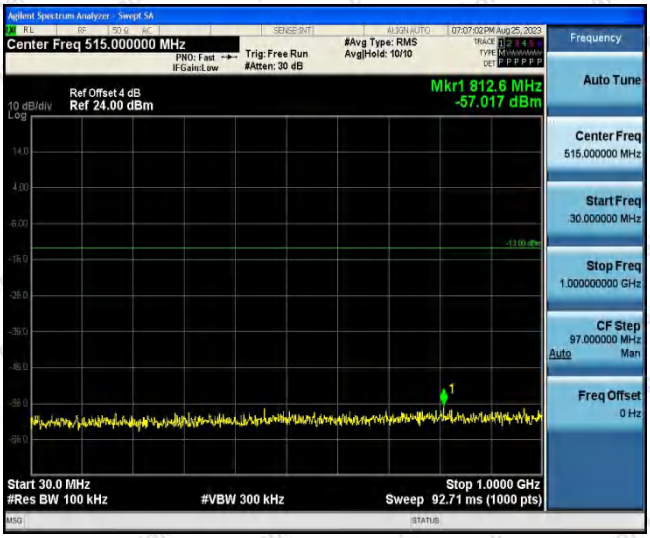
Band4-20MHz-QPSK-20300-1RB#0-Range1:30~1000MHz



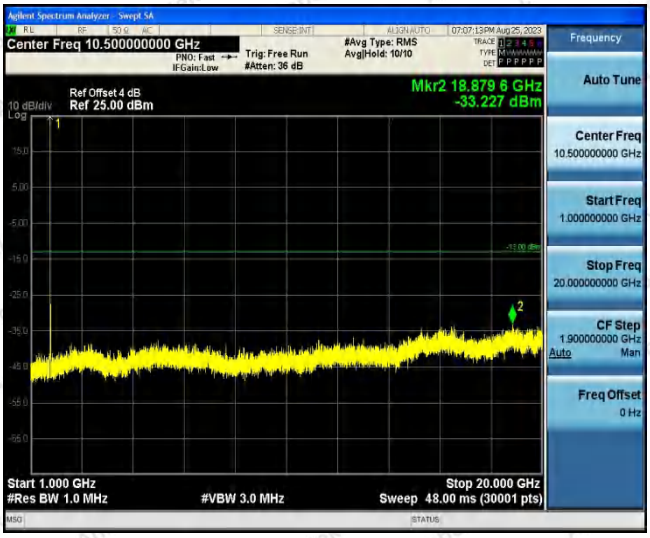
Band4-20MHz-QPSK-20300-1RB#0-Range2:1000~20000MHz



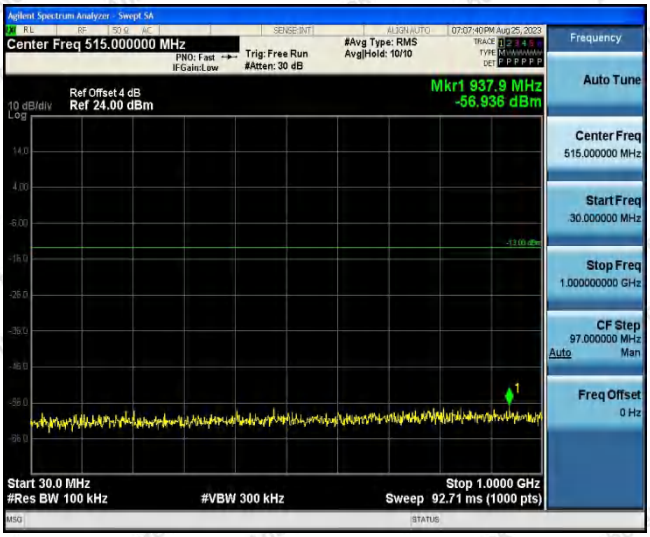
Band4-20MHz-16QAM-20050-1RB#0-Range1:30~1000MHz



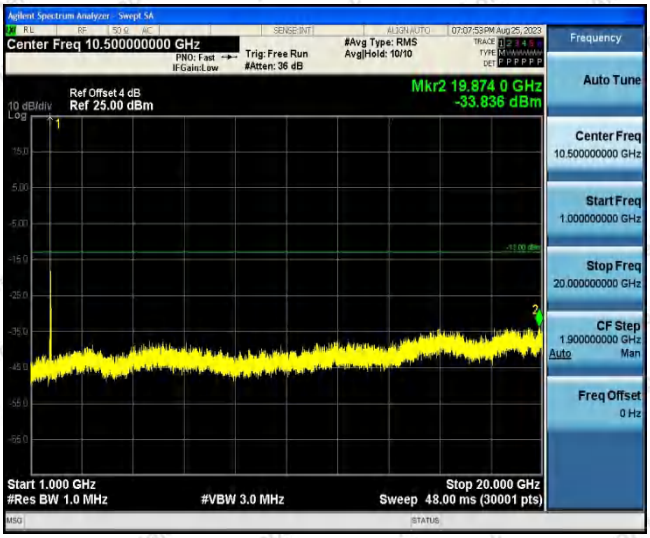
Band4-20MHz-16QAM-20050-1RB#0-Range2:1000~20000MHz



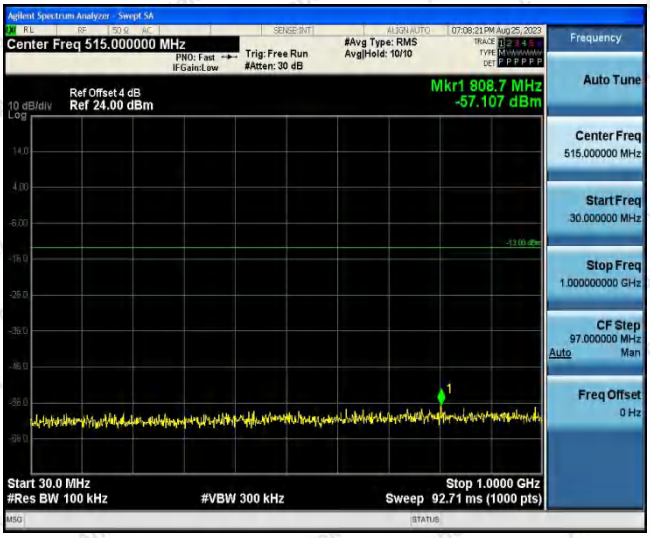
Band4-20MHz-16QAM-20175-1RB#0-Range1:30~1000MHz



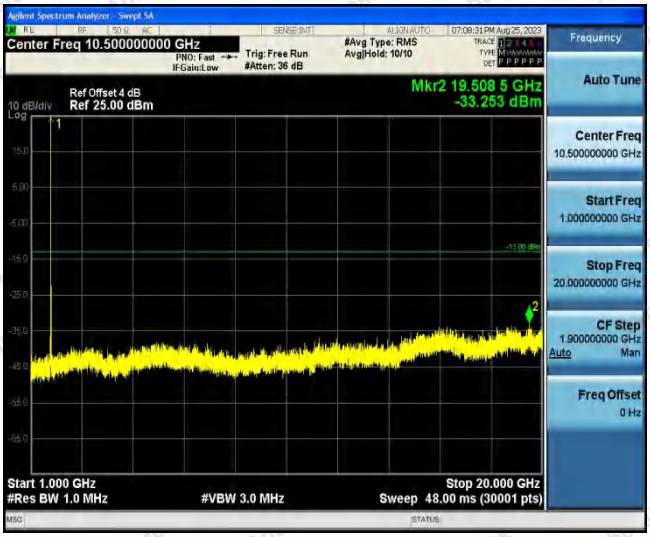
Band4-20MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



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



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



Appendix F: Frequency stability VS Voltage measurement

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	VL	NT	3.26	0.001906	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VN	NT	7.35	0.004296	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	VH	NT	-4.71	-0.002753	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VL	NT	3.85	0.002222	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VN	NT	3.82	0.002205	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	VH	NT	4.53	0.002615	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VL	NT	-6.12	-0.003489	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VN	NT	-6.92	-0.003945	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	VH	NT	-4.01	-0.002286	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VL	NT	5.94	0.003472	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VN	NT	-2.57	-0.001502	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	VH	NT	4.41	0.002578	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VL	NT	2.65	0.001530	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VN	NT	3.83	0.002211	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	VH	NT	3.06	0.001766	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VL	NT	2.93	0.001670	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VN	NT	-8.50	-0.004845	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	VH	NT	-3.92	-0.002235	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VL	NT	-3.08	-0.001800	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VN	NT	-3.15	-0.001840	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	VH	NT	4.38	0.002559	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VL	NT	-4.62	-0.002667	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VN	NT	-4.59	-0.002649	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	VH	NT	-2.47	-0.001426	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VL	NT	-4.41	-0.002515	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VN	NT	4.08	0.002327	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	VH	NT	-2.63	-0.001500	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VL	NT	4.15	0.002425	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VN	NT	3.71	0.002168	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	VH	NT	-4.13	-0.002413	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VL	NT	3.53	0.002038	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VN	NT	-3.96	-0.002286	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	VH	NT	3.63	0.002095	±2.5	PASS

Band4	3MHz	16QAM	20385	15RB#0	VL	NT	4.79	0.002732	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VN	NT	4.09	0.002332	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	VH	NT	4.76	0.002715	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VL	NT	3.08	0.001799	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VN	NT	2.57	0.001501	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	VH	NT	7.14	0.004169	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VL	NT	3.76	0.002170	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VN	NT	4.49	0.002592	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	VH	NT	4.25	0.002453	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VL	NT	-8.40	-0.004793	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VN	NT	-5.16	-0.002944	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	VH	NT	-4.99	-0.002847	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VL	NT	5.99	0.003498	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VN	NT	4.53	0.002645	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	VH	NT	4.66	0.002721	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VL	NT	-4.66	-0.002690	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VN	NT	2.99	0.001726	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	VH	NT	2.53	0.001460	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VL	NT	-5.87	-0.003350	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VN	NT	-7.48	-0.004268	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	VH	NT	-10.69	-0.006100	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VL	NT	-5.42	-0.003160	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VN	NT	-4.62	-0.002694	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	VH	NT	-5.88	-0.003429	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VL	NT	3.63	0.002095	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VN	NT	2.66	0.001535	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	VH	NT	-4.75	-0.002742	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VL	NT	4.06	0.002320	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VN	NT	3.42	0.001954	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	VH	NT	4.41	0.002520	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VL	NT	-5.01	-0.002921	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VN	NT	-5.01	-0.002921	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	VH	NT	-5.91	-0.003446	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VL	NT	3.62	0.002089	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VN	NT	3.71	0.002141	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	VH	NT	2.16	0.001247	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VL	NT	4.13	0.002360	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VN	NT	6.32	0.003611	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	VH	NT	4.08	0.002331	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VL	NT	-3.40	-0.001980	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	VN	NT	-3.58	-0.002084	±2.5	PASS

Band4	15MHz	QPSK	20025	75RB#0	VH	NT	3.52	0.002049	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VL	NT	3.15	0.001818	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VN	NT	4.89	0.002823	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	VH	NT	-2.62	-0.001512	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VL	NT	3.55	0.002031	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VN	NT	6.57	0.003760	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	VH	NT	-2.12	-0.001213	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VL	NT	3.55	0.002067	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VN	NT	-3.30	-0.001921	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	VH	NT	2.92	0.001700	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VL	NT	-1.96	-0.001131	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VN	NT	4.88	0.002817	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	VH	NT	4.33	0.002499	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VL	NT	2.99	0.001711	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VN	NT	4.28	0.002449	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	VH	NT	6.15	0.003519	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VL	NT	4.05	0.002355	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VN	NT	5.84	0.003395	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	VH	NT	6.57	0.003820	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	-3.49	-0.002014	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	3.66	0.002113	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	7.42	0.004283	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VL	NT	-5.39	-0.003089	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VN	NT	-4.82	-0.002762	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	VH	NT	-5.08	-0.002911	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VL	NT	4.02	0.002337	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VN	NT	3.16	0.001837	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	VH	NT	4.39	0.002552	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VL	NT	3.56	0.002055	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VN	NT	4.46	0.002574	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	VH	NT	3.18	0.001835	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VL	NT	-7.54	-0.004321	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VN	NT	-5.09	-0.002917	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	VH	NT	-3.43	-0.001966	±2.5	PASS

Appendix G: Frequency stability VS Temperature measurement

Test Result

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-30	6.19	0.003618	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-20	4.62	0.002701	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	-10	3.45	0.002017	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	0	-3.23	-0.001888	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	10	3.63	0.002122	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	20	5.39	0.003151	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	30	2.79	0.001631	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	40	-5.24	-0.003063	±2.5	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	NV	50	4.01	0.002344	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-30	3.96	0.002286	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-20	-2.57	-0.001483	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	-10	3.38	0.001951	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	0	-2.40	-0.001385	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	10	1.97	0.001137	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	20	-5.49	-0.003169	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	30	4.36	0.002517	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	40	-4.31	-0.002488	±2.5	PASS
Band4	1.4MHz	QPSK	20175	6RB#0	NV	50	2.83	0.001633	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-30	-7.71	-0.004395	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-20	-5.59	-0.003186	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	-10	-5.88	-0.003352	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	0	-3.86	-0.002200	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	10	-7.08	-0.004036	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	20	-5.58	-0.003181	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	30	-6.18	-0.003523	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	40	-5.19	-0.002958	±2.5	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	NV	50	-5.48	-0.003124	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-30	6.69	0.003911	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-20	3.83	0.002239	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	-10	5.75	0.003361	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	0	-3.63	-0.002122	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	10	-4.05	-0.002367	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	20	3.26	0.001906	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	30	5.18	0.003028	±2.5	PASS

Band4	1.4MHz	16QAM	19957	6RB#0	NV	40	4.98	0.002911	±2.5	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	NV	50	3.38	0.001976	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-30	2.90	0.001674	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-20	4.61	0.002661	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	-10	3.15	0.001818	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	0	2.19	0.001264	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	10	-5.02	-0.002898	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	20	-2.69	-0.001553	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	30	3.58	0.002066	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	40	-1.80	-0.001039	±2.5	PASS
Band4	1.4MHz	16QAM	20175	6RB#0	NV	50	-5.42	-0.003128	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-30	-5.82	-0.003318	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-20	-3.75	-0.002138	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	-10	-7.50	-0.004275	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	0	-5.72	-0.003261	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	10	-3.53	-0.002012	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	20	-6.07	-0.003460	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	30	-7.61	-0.004338	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	40	-5.62	-0.003204	±2.5	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	NV	50	-5.36	-0.003055	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-30	4.85	0.002834	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-20	-3.68	-0.002150	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	-10	-2.89	-0.001689	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	0	-3.45	-0.002016	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	10	-6.05	-0.003535	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	20	3.83	0.002238	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	30	3.19	0.001864	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	40	-5.25	-0.003067	±2.5	PASS
Band4	3MHz	QPSK	19965	15RB#0	NV	50	-6.15	-0.003593	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-30	-4.89	-0.002823	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-20	-4.41	-0.002545	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	-10	3.65	0.002107	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	0	-2.82	-0.001628	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	10	3.50	0.002020	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	20	4.08	0.002355	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	30	3.60	0.002078	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	40	1.92	0.001108	±2.5	PASS
Band4	3MHz	QPSK	20175	15RB#0	NV	50	-3.30	-0.001905	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-30	-3.83	-0.002184	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-20	-5.02	-0.002863	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	-10	2.30	0.001312	±2.5	PASS

Band4	3MHz	QPSK	20385	15RB#0	NV	0	-3.40	-0.001939	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	10	-2.63	-0.001500	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	20	-2.15	-0.001226	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	30	-4.32	-0.002464	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	40	-2.89	-0.001648	±2.5	PASS
Band4	3MHz	QPSK	20385	15RB#0	NV	50	-4.21	-0.002401	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-30	-4.94	-0.002886	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-20	3.60	0.002103	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	-10	3.76	0.002197	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	0	2.89	0.001689	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	10	4.08	0.002384	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	20	-3.08	-0.001800	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	30	-3.59	-0.002098	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	40	-2.78	-0.001624	±2.5	PASS
Band4	3MHz	16QAM	19965	15RB#0	NV	50	-3.88	-0.002267	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-30	3.63	0.002095	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-20	-2.89	-0.001668	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	-10	3.72	0.002147	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	0	-1.92	-0.001108	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	10	3.81	0.002199	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	20	2.89	0.001668	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	30	2.15	0.001241	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	40	3.20	0.001847	±2.5	PASS
Band4	3MHz	16QAM	20175	15RB#0	NV	50	-4.08	-0.002355	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-30	4.02	0.002293	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-20	-2.30	-0.001312	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	-10	-4.94	-0.002817	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	0	4.99	0.002846	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	10	4.31	0.002458	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	20	-4.13	-0.002355	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	30	-3.81	-0.002173	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	40	1.90	0.001084	±2.5	PASS
Band4	3MHz	16QAM	20385	15RB#0	NV	50	-4.25	-0.002424	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-30	5.58	0.003258	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-20	3.46	0.002020	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	-10	3.76	0.002196	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	0	2.83	0.001653	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	10	-2.65	-0.001547	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	20	2.92	0.001705	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	30	-2.68	-0.001565	±2.5	PASS
Band4	5MHz	QPSK	19975	25RB#0	NV	40	4.78	0.002791	±2.5	PASS

Band4	5MHz	QPSK	19975	25RB#0	NV	50	3.56	0.002079	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-30	3.49	0.002014	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-20	-3.06	-0.001766	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	-10	5.59	0.003227	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	0	3.48	0.002009	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	10	-2.96	-0.001709	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	20	2.16	0.001247	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	30	2.98	0.001720	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	40	-3.58	-0.002066	±2.5	PASS
Band4	5MHz	QPSK	20175	25RB#0	NV	50	-3.65	-0.002107	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-30	-7.98	-0.004553	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-20	-6.85	-0.003909	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	-10	-5.85	-0.003338	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	0	-7.68	-0.004382	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	10	-6.32	-0.003606	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	20	-5.92	-0.003378	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	30	-5.44	-0.003104	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	40	-5.84	-0.003332	±2.5	PASS
Band4	5MHz	QPSK	20375	25RB#0	NV	50	-5.92	-0.003378	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-30	3.82	0.002231	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-20	4.72	0.002756	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	-10	4.39	0.002564	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	0	3.66	0.002137	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	10	3.19	0.001863	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	20	3.28	0.001915	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	30	3.95	0.002307	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	40	5.02	0.002931	±2.5	PASS
Band4	5MHz	16QAM	19975	25RB#0	NV	50	-4.03	-0.002353	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-30	-5.06	-0.002921	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-20	-3.00	-0.001732	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	-10	-3.20	-0.001847	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	0	4.19	0.002418	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	10	4.92	0.002840	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	20	-5.04	-0.002909	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	30	-4.06	-0.002343	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	40	5.01	0.002892	±2.5	PASS
Band4	5MHz	16QAM	20175	25RB#0	NV	50	2.93	0.001691	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-30	-6.90	-0.003937	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-20	-4.49	-0.002562	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	-10	-8.57	-0.004890	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	0	-5.31	-0.003030	±2.5	PASS

Band4	5MHz	16QAM	20375	25RB#0	NV	10	-7.32	-0.004177	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	20	-5.14	-0.002933	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	30	-6.81	-0.003886	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	40	-4.82	-0.002750	±2.5	PASS
Band4	5MHz	16QAM	20375	25RB#0	NV	50	-5.91	-0.003372	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-30	-7.05	-0.004111	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-20	-5.56	-0.003242	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	-10	-5.51	-0.003213	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	0	-6.39	-0.003726	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	10	-5.52	-0.003219	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	20	-6.84	-0.003988	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	30	-7.91	-0.004612	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	40	-7.07	-0.004122	±2.5	PASS
Band4	10MHz	QPSK	20000	50RB#0	NV	50	-7.21	-0.004204	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-30	4.41	0.002545	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-20	-3.46	-0.001997	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	-10	6.18	0.003567	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	0	-5.42	-0.003128	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	10	3.48	0.002009	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	20	2.63	0.001518	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	30	4.89	0.002823	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	40	4.89	0.002823	±2.5	PASS
Band4	10MHz	QPSK	20175	50RB#0	NV	50	5.78	0.003336	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-30	5.76	0.003291	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-20	4.45	0.002543	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	-10	4.12	0.002354	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	0	-4.82	-0.002754	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	10	6.25	0.003571	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	20	1.95	0.001114	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	30	3.82	0.002183	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	40	3.76	0.002149	±2.5	PASS
Band4	10MHz	QPSK	20350	50RB#0	NV	50	3.59	0.002051	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-30	-3.20	-0.001866	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-20	-4.79	-0.002793	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	-10	-6.84	-0.003988	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	0	-4.69	-0.002735	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	10	-6.32	-0.003685	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	20	-4.13	-0.002408	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	30	-6.85	-0.003994	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	40	-6.67	-0.003889	±2.5	PASS
Band4	10MHz	16QAM	20000	50RB#0	NV	50	-4.46	-0.002601	±2.5	PASS

Band4	10MHz	16QAM	20175	50RB#0	NV	-30	3.95	0.002280	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-20	3.76	0.002170	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	-10	6.07	0.003504	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	0	2.05	0.001183	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	10	2.59	0.001495	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	20	-3.58	-0.002066	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	30	-4.02	-0.002320	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	40	4.55	0.002626	±2.5	PASS
Band4	10MHz	16QAM	20175	50RB#0	NV	50	-6.19	-0.003573	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-30	5.48	0.003131	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-20	-5.75	-0.003286	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	-10	4.33	0.002474	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	0	5.78	0.003303	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	10	4.63	0.002646	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	20	7.54	0.004309	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	30	5.58	0.003189	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	40	5.61	0.003206	±2.5	PASS
Band4	10MHz	16QAM	20350	50RB#0	NV	50	3.58	0.002046	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-30	-5.94	-0.003459	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-20	3.82	0.002224	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	-10	2.76	0.001607	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	0	3.23	0.001881	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	10	4.32	0.002515	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	20	-3.92	-0.002282	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	30	3.63	0.002114	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	40	-3.56	-0.002073	±2.5	PASS
Band4	15MHz	QPSK	20025	75RB#0	NV	50	2.40	0.001397	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-30	3.66	0.002113	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-20	-4.09	-0.002361	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	-10	-1.77	-0.001022	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	0	2.56	0.001478	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	10	-3.62	-0.002089	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	20	-2.57	-0.001483	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	30	-3.39	-0.001957	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	40	-6.21	-0.003584	±2.5	PASS
Band4	15MHz	QPSK	20175	75RB#0	NV	50	3.86	0.002228	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-30	2.55	0.001459	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-20	-2.47	-0.001413	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	-10	-3.08	-0.001763	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	0	2.63	0.001505	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	10	3.45	0.001974	±2.5	PASS

Band4	15MHz	QPSK	20325	75RB#0	NV	20	3.20	0.001831	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	30	5.52	0.003159	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	40	5.31	0.003039	±2.5	PASS
Band4	15MHz	QPSK	20325	75RB#0	NV	50	-3.76	-0.002152	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-30	4.52	0.002632	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-20	-3.89	-0.002265	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	-10	3.58	0.002084	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	0	-3.45	-0.002009	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	10	4.16	0.002422	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	20	5.78	0.003365	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	30	3.45	0.002009	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	40	-3.60	-0.002096	±2.5	PASS
Band4	15MHz	16QAM	20025	75RB#0	NV	50	-4.15	-0.002416	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-30	3.52	0.002032	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-20	3.23	0.001864	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	-10	3.45	0.001991	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	0	-4.13	-0.002384	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	10	-3.53	-0.002038	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	20	-4.22	-0.002436	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	30	-4.08	-0.002355	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	40	-2.07	-0.001195	±2.5	PASS
Band4	15MHz	16QAM	20175	75RB#0	NV	50	-2.56	-0.001478	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-30	-3.66	-0.002094	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-20	2.42	0.001385	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	-10	6.37	0.003645	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	0	-2.68	-0.001534	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	10	-5.04	-0.002884	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	20	4.22	0.002415	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	30	4.33	0.002478	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	40	-4.05	-0.002318	±2.5	PASS
Band4	15MHz	16QAM	20325	75RB#0	NV	50	3.29	0.001883	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-30	-3.49	-0.002029	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-20	4.94	0.002872	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	-10	3.19	0.001855	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	0	4.53	0.002634	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	10	4.58	0.002663	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	20	7.55	0.004390	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	30	3.38	0.001965	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	40	3.71	0.002157	±2.5	PASS
Band4	20MHz	QPSK	20050	100RB#0	NV	50	4.63	0.002692	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	-3.19	-0.001841	±2.5	PASS

Band4	20MHz	QPSK	20175	100RB#0	NV	-20	3.91	0.002257	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	5.11	0.002949	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	2.55	0.001472	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	2.40	0.001385	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	3.36	0.001939	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	4.03	0.002326	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	3.92	0.002263	±2.5	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	6.04	0.003486	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-30	-3.96	-0.002269	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-20	-5.39	-0.003089	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	-10	-5.56	-0.003186	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	0	-6.32	-0.003622	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	10	-4.58	-0.002625	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	20	-5.54	-0.003175	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	30	-6.44	-0.003691	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	40	-4.88	-0.002797	±2.5	PASS
Band4	20MHz	QPSK	20300	100RB#0	NV	50	-5.19	-0.002974	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-30	5.85	0.003401	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-20	5.94	0.003453	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	-10	3.52	0.002047	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	0	4.81	0.002797	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	10	5.64	0.003279	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	20	5.19	0.003017	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	30	3.69	0.002145	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	40	4.92	0.002860	±2.5	PASS
Band4	20MHz	16QAM	20050	100RB#0	NV	50	4.94	0.002872	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-30	3.69	0.002130	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-20	3.83	0.002211	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	-10	3.08	0.001778	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	0	3.19	0.001841	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	10	-3.53	-0.002038	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	20	2.32	0.001339	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	30	4.79	0.002765	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	40	2.27	0.001310	±2.5	PASS
Band4	20MHz	16QAM	20175	100RB#0	NV	50	5.02	0.002898	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-30	-3.72	-0.002132	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-20	-4.98	-0.002854	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	-10	-4.52	-0.002590	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	0	-8.34	-0.004779	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	10	-6.51	-0.003731	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	20	-6.42	-0.003679	±2.5	PASS

Band4	20MHz	16QAM	20300	100RB#0	NV	30	-5.81	-0.003330	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	40	-7.01	-0.004017	±2.5	PASS
Band4	20MHz	16QAM	20300	100RB#0	NV	50	-9.36	-0.005364	±2.5	PASS

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