



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



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



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



Dongguan Yaxu(AiT) Technology Limited

Report No.: AIT23021603FW6

FCC ID:





Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	Verdict
Band4	1.4MHz	QPSK	19957	1RB#0	-21.13	PASS
Band4	1.4MHz	QPSK	19957	1RB#5	-58.52	PASS
Band4	1.4MHz	QPSK	19957	6RB#0	-27.47	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	-37.26	PASS
Band4	1.4MHz	QPSK	20393	1RB#5	-21.02	PASS
Band4	1.4MHz	QPSK	20393	6RB#0	-26.63	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	-20.72	PASS
Band4	1.4MHz	16QAM	19957	1RB#5	-41.11	PASS
Band4	1.4MHz	16QAM	19957	6RB#0	-28.44	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	-39.68	PASS
Band4	1.4MHz	16QAM	20393	1RB#5	-21.00	PASS
Band4	1.4MHz	16QAM	20393	6RB#0	-26.56	PASS
Band4	3MHz	QPSK	19965	1RB#0	-16.35	PASS
Band4	3MHz	QPSK	19965	1RB#14	-42.45	PASS
Band4	3MHz	QPSK	19965	15RB#0	-23.49	PASS
Band4	3MHz	QPSK	20385	1RB#0	-43.25	PASS
Band4	3MHz	QPSK	20385	1RB#14	-16.63	PASS
Band4	3MHz	QPSK	20385	15RB#0	-24.45	PASS
Band4	3MHz	16QAM	19965	1RB#0	-17.77	PASS
Band4	3MHz	16QAM	19965	1RB#14	-43.40	PASS
Band4	3MHz	16QAM	19965	15RB#0	-25.46	PASS
Band4	3MHz	16QAM	20385	1RB#0	-43.66	PASS
Band4	3MHz	16QAM	20385	1RB#14	-18.81	PASS
Band4	3MHz	16QAM	20385	15RB#0	-24.64	PASS
Band4	5MHz	QPSK	19975	1RB#0	-15.86	PASS
Band4	5MHz	QPSK	19975	1RB#24	-50.26	PASS
Band4	5MHz	QPSK	19975	25RB#0	-23.47	PASS
Band4	5MHz	QPSK	20375	1RB#0	-50.44	PASS
Band4	5MHz	QPSK	20375	1RB#24	-15.98	PASS
Band4	5MHz	QPSK	20375	25RB#0	-24.21	PASS
Band4	5MHz	16QAM	19975	1RB#0	-17.56	PASS
Band4	5MHz	16QAM	19975	1RB#24	-51.46	PASS
Band4	5MHz	16QAM	19975	25RB#0	-25.55	PASS
Band4	5MHz	16QAM	20375	1RB#0	-50.30	PASS
Band4	5MHz	16QAM	20375	1RB#24	-17.55	PASS



Band4	5MHz	16QAM	20375	25RB#0	-24.78	PASS
Band4	10MHz	QPSK	20000	1RB#0	-23.68	PASS
Band4	10MHz	QPSK	20000	1RB#49	-45.25	PASS
Band4	10MHz	QPSK	20000	50RB#0	-27.19	PASS
Band4	10MHz	QPSK	20350	1RB#0	-47.02	PASS
Band4	10MHz	QPSK	20350	1RB#49	-23.07	PASS
Band4	10MHz	QPSK	20350	50RB#0	-28.43	PASS
Band4	10MHz	16QAM	20000	1RB#0	-24.31	PASS
Band4	10MHz	16QAM	20000	1RB#49	-44.90	PASS
Band4	10MHz	16QAM	20000	50RB#0	-28.93	PASS
Band4	10MHz	16QAM	20350	1RB#0	-47.82	PASS
Band4	10MHz	16QAM	20350	1RB#49	-24.33	PASS
Band4	10MHz	16QAM	20350	50RB#0	-28.92	PASS
Band4	15MHz	QPSK	20025	1RB#0	-21.22	PASS
Band4	15MHz	QPSK	20025	1RB#74	-44.54	PASS
Band4	15MHz	QPSK	20025	75RB#0	-30.86	PASS
Band4	15MHz	QPSK	20325	1RB#0	-44.59	PASS
Band4	15MHz	QPSK	20325	1RB#74	-21.70	PASS
Band4	15MHz	QPSK	20325	75RB#0	-30.20	PASS
Band4	15MHz	16QAM	20025	1RB#0	-21.50	PASS
Band4	15MHz	16QAM	20025	1RB#74	-46.31	PASS
Band4	15MHz	16QAM	20025	75RB#0	-31.67	PASS
Band4	15MHz	16QAM	20325	1RB#0	-44.98	PASS
Band4	15MHz	16QAM	20325	1RB#74	-22.58	PASS
Band4	15MHz	16QAM	20325	75RB#0	-30.01	PASS
Band4	20MHz	QPSK	20050	1RB#0	-24.07	PASS
Band4	20MHz	QPSK	20050	1RB#99	-47.87	PASS
Band4	20MHz	QPSK	20050	100RB#0	-33.80	PASS
Band4	20MHz	QPSK	20300	1RB#0	-47.72	PASS
Band4	20MHz	QPSK	20300	1RB#99	-24.16	PASS
Band4	20MHz	QPSK	20300	100RB#0	-31.51	PASS
Band4	20MHz	16QAM	20050	1RB#0	-23.58	PASS
Band4	20MHz	16QAM	20050	1RB#99	-47.85	PASS
Band4	20MHz	16QAM	20050	100RB#0	-33.11	PASS
Band4	20MHz	16QAM	20300	1RB#0	-47.80	PASS
Band4	20MHz	16QAM	20300	1RB#99	-24.10	PASS
Band4	20MHz	16QAM	20300	100RB#0	-30.68	PASS

Test Graphs

Band4-1.4MHz-QPSK-19957-1RB#0



Band4-1.4MHz-QPSK-19957-1RB#5



Band4-1.4MHz-QPSK-19957-6RB#0



Band4-1.4MHz-QPSK-20393-1RB#0



Band4-1.4MHz-QPSK-20393-1RB#5



Band4-1.4MHz-QPSK-20393-6RB#0



Band4-1.4MHz-16QAM-19957-1RB#0



Band4-1.4MHz-16QAM-19957-1RB#5



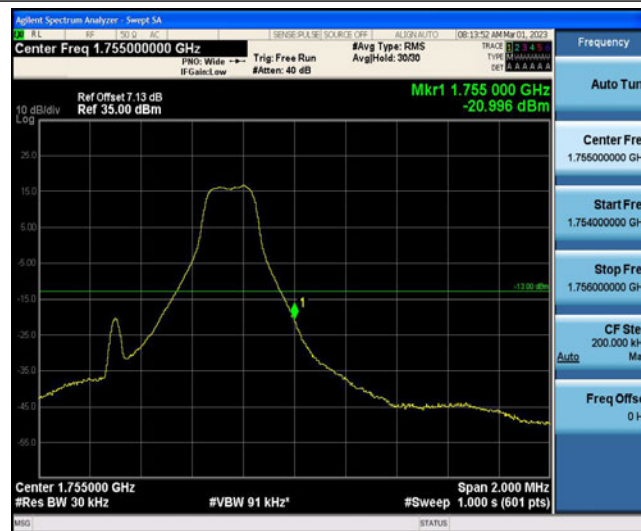
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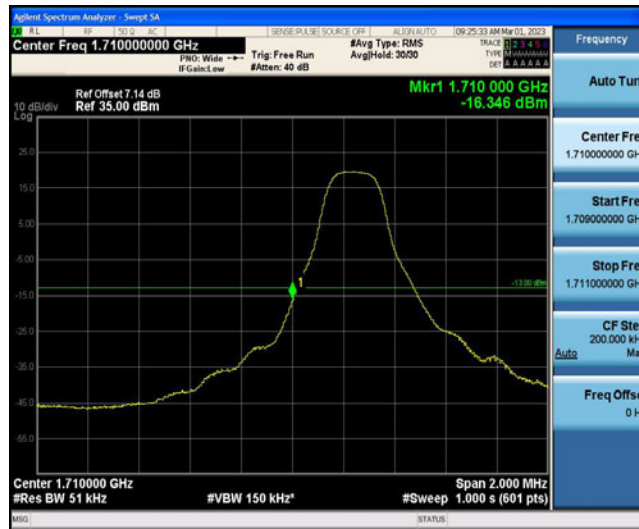
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Band4-3MHz-QPSK-19965-1RB#0



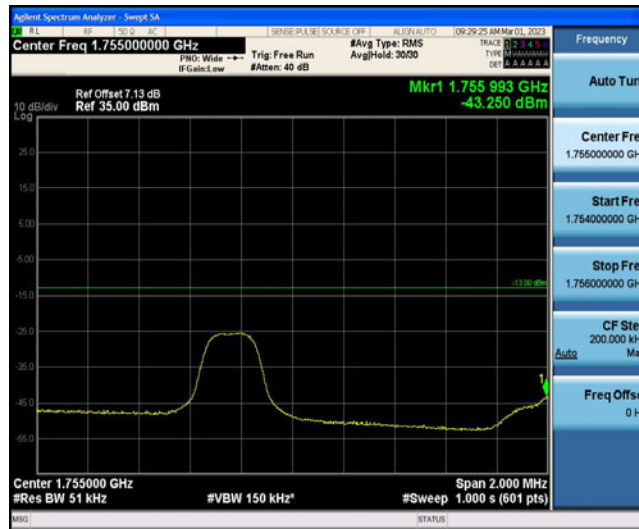
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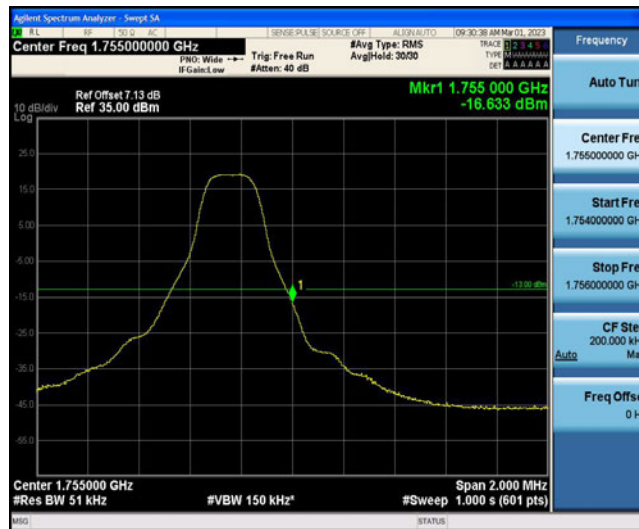
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Band4-3MHz-QPSK-20385-1RB#0



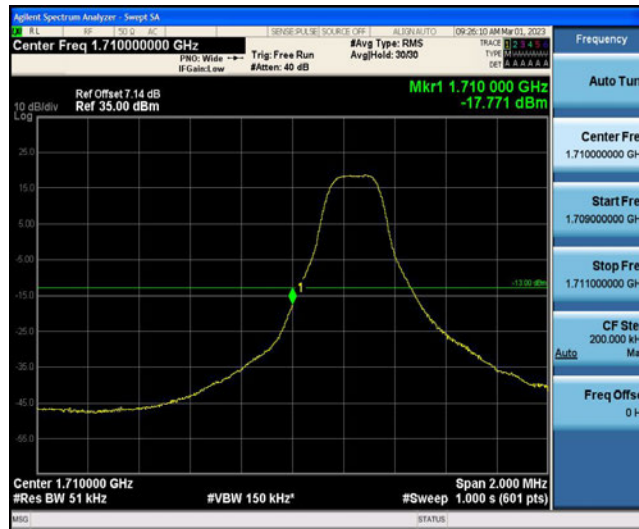
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Band4-3MHz-16QAM-19965-1RB#14



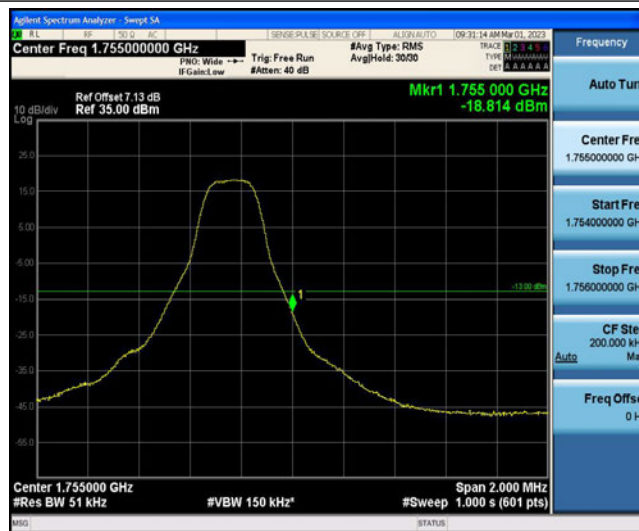
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Band4-3MHz-16QAM-20385-1RB#0



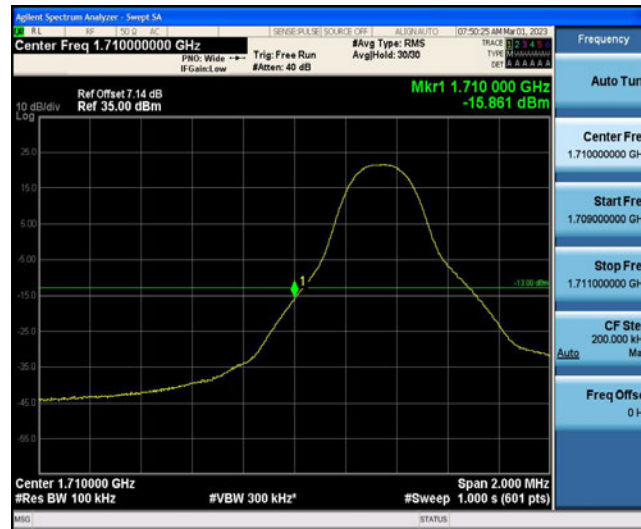
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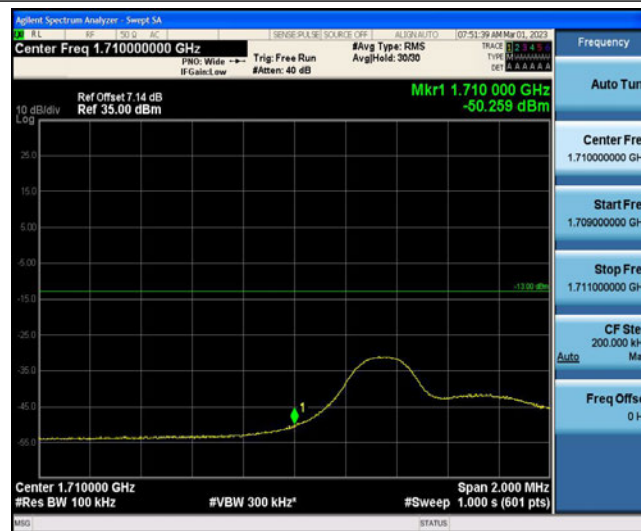
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Band4-5MHz-QPSK-19975-1RB#0



Band4-5MHz-QPSK-19975-1RB#24



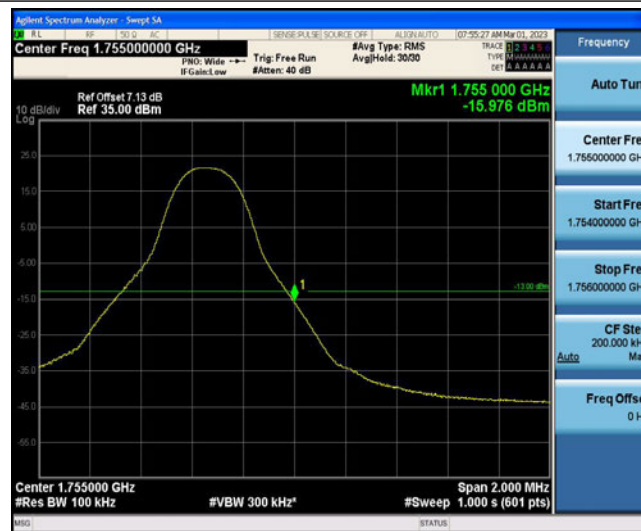
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Band4-5MHz-QPSK-20375-1RB#0



Band4-5MHz-QPSK-20375-1RB#24



Band4-5MHz-QPSK-20375-25RB#0



Band4-5MHz-16QAM-19975-1RB#0



Band4-5MHz-16QAM-19975-1RB#24



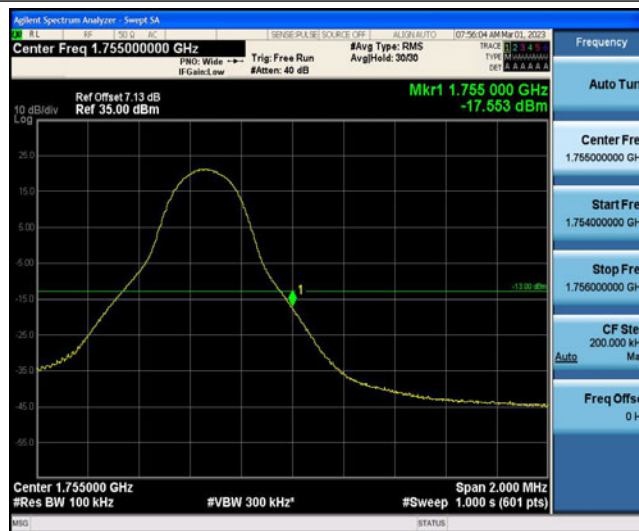
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Band4-5MHz-16QAM-20375-25RB#0



Band4-10MHz-QPSK-20000-1RB#0



Band4-10MHz-QPSK-20000-1RB#49



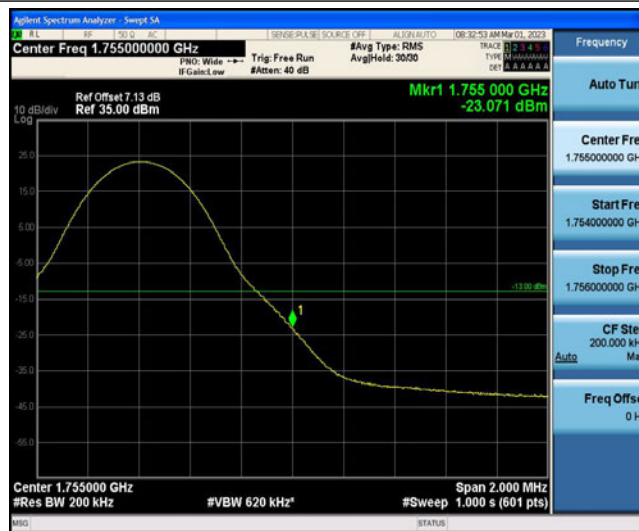
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Band4-10MHz-QPSK-20350-1RB#49



Band4-10MHz-QPSK-20350-50RB#0



Band4-10MHz-16QAM-20000-1RB#0



Band4-10MHz-16QAM-20000-1RB#49



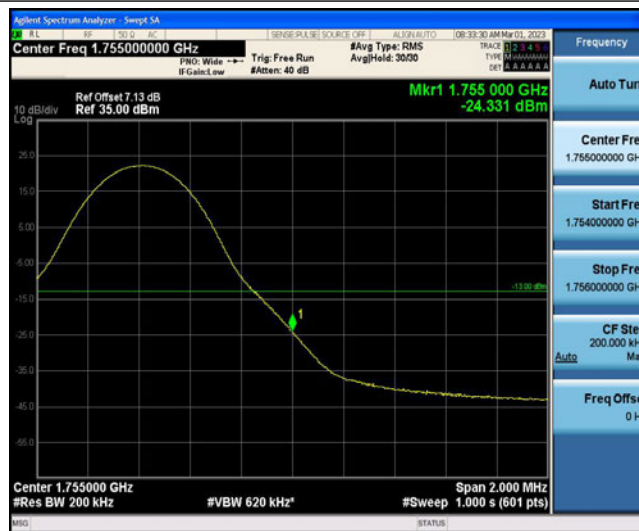
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Band4-10MHz-16QAM-20350-1RB#0



Band4-10MHz-16QAM-20350-1RB#49



Band4-10MHz-16QAM-20350-50RB#0



Band4-15MHz-QPSK-20025-1RB#0



Band4-15MHz-QPSK-20025-1RB#74



Band4-15MHz-QPSK-20025-75RB#0



Band4-15MHz-QPSK-20325-1RB#0



Band4-15MHz-QPSK-20325-1RB#74



Band4-15MHz-QPSK-20325-75RB#0



Band4-15MHz-16QAM-20025-1RB#0



Band4-15MHz-16QAM-20025-1RB#74



Band4-15MHz-16QAM-20025-75RB#0



Band4-15MHz-16QAM-20325-1RB#0



Band4-15MHz-16QAM-20325-1RB#74



Band4-15MHz-16QAM-20325-75RB#0



Band4-20MHz-QPSK-20050-1RB#0



Band4-20MHz-QPSK-20050-1RB#99



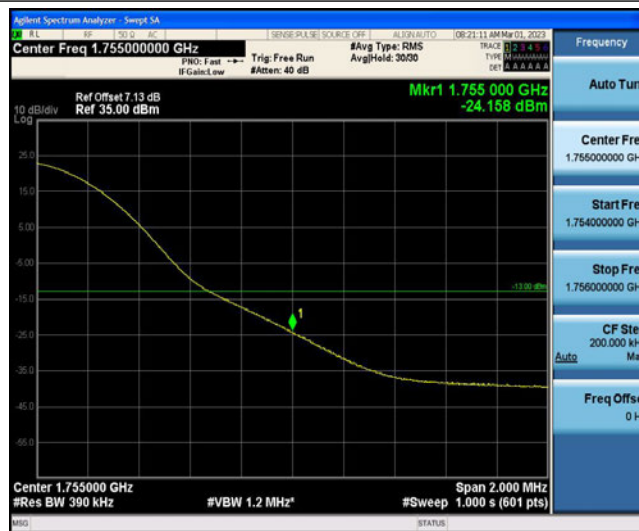
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Band4-20MHz-QPSK-20300-1RB#0



Band4-20MHz-QPSK-20300-1RB#99



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



Band4-20MHz-16QAM-20050-1RB#0



Band4-20MHz-16QAM-20050-1RB#99



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



Band4-20MHz-16QAM-20300-1RB#0



Band4-20MHz-16QAM-20300-1RB#99



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	-40.18	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	Range2:1000~20000MHz	-37.88	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-41.11	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-38.91	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range1:30~1000MHz	-40.69	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	Range2:1000~20000MHz	-37.73	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range1:30~1000MHz	-41.9	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	Range2:1000~20000MHz	-38.65	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-41.96	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-38.95	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range1:30~1000MHz	-41.8	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	Range2:1000~20000MHz	-38.15	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range1:30~1000MHz	-40.64	PASS
Band4	3MHz	QPSK	19965	1RB#0	Range2:1000~20000MHz	-37.99	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-41.4	PASS
Band4	3MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-37.82	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range1:30~1000MHz	-41.63	PASS
Band4	3MHz	QPSK	20385	1RB#0	Range2:1000~20000MHz	-38.44	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range1:30~1000MHz	-42.41	PASS
Band4	3MHz	16QAM	19965	1RB#0	Range2:1000~20000MHz	-38.67	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-40.47	PASS
Band4	3MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-38.68	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range1:30~1000MHz	-40.76	PASS
Band4	3MHz	16QAM	20385	1RB#0	Range2:1000~20000MHz	-38.21	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range1:30~1000MHz	-41.45	PASS
Band4	5MHz	QPSK	19975	1RB#0	Range2:1000~20000MHz	-37.86	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-41.55	PASS
Band4	5MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-37.49	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range1:30~1000MHz	-41.35	PASS
Band4	5MHz	QPSK	20375	1RB#0	Range2:1000~20000MHz	-38.92	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range1:30~1000MHz	-41.84	PASS
Band4	5MHz	16QAM	19975	1RB#0	Range2:1000~20000MHz	-37.01	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-40.31	PASS
Band4	5MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-37.71	PASS
Band4	5MHz	16QAM	20375	1RB#0	Range1:30~1000MHz	-41.51	PASS

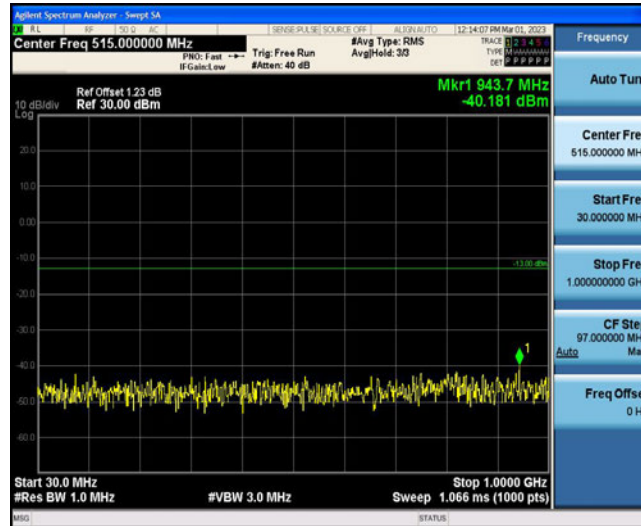


Band4	5MHz	16QAM	20375	1RB#0	Range2:1000~20000MHz	-38.2	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range1:30~1000MHz	-41.07	PASS
Band4	10MHz	QPSK	20000	1RB#0	Range2:1000~20000MHz	-38.49	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-41.66	PASS
Band4	10MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-38.6	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range1:30~1000MHz	-41.37	PASS
Band4	10MHz	QPSK	20350	1RB#0	Range2:1000~20000MHz	-38.43	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range1:30~1000MHz	-41.7	PASS
Band4	10MHz	16QAM	20000	1RB#0	Range2:1000~20000MHz	-38.37	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-41.84	PASS
Band4	10MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-37.56	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range1:30~1000MHz	-40.58	PASS
Band4	10MHz	16QAM	20350	1RB#0	Range2:1000~20000MHz	-38.27	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range1:30~1000MHz	-41.41	PASS
Band4	15MHz	QPSK	20025	1RB#0	Range2:1000~20000MHz	-38.73	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-41.16	PASS
Band4	15MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-36.8	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range1:30~1000MHz	-41.66	PASS
Band4	15MHz	QPSK	20325	1RB#0	Range2:1000~20000MHz	-38.44	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range1:30~1000MHz	-41.3	PASS
Band4	15MHz	16QAM	20025	1RB#0	Range2:1000~20000MHz	-39.21	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-40.69	PASS
Band4	15MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-38.33	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range1:30~1000MHz	-42.04	PASS
Band4	15MHz	16QAM	20325	1RB#0	Range2:1000~20000MHz	-38.11	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range1:30~1000MHz	-41.9	PASS
Band4	20MHz	QPSK	20050	1RB#0	Range2:1000~20000MHz	-39.06	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range1:30~1000MHz	-40.78	PASS
Band4	20MHz	QPSK	20175	1RB#0	Range2:1000~20000MHz	-38.66	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range1:30~1000MHz	-40.42	PASS
Band4	20MHz	QPSK	20300	1RB#0	Range2:1000~20000MHz	-38.39	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range1:30~1000MHz	-40.94	PASS
Band4	20MHz	16QAM	20050	1RB#0	Range2:1000~20000MHz	-38.47	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range1:30~1000MHz	-41.66	PASS
Band4	20MHz	16QAM	20175	1RB#0	Range2:1000~20000MHz	-36.98	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range1:30~1000MHz	-40.47	PASS
Band4	20MHz	16QAM	20300	1RB#0	Range2:1000~20000MHz	-38.92	PASS



Test Graphs

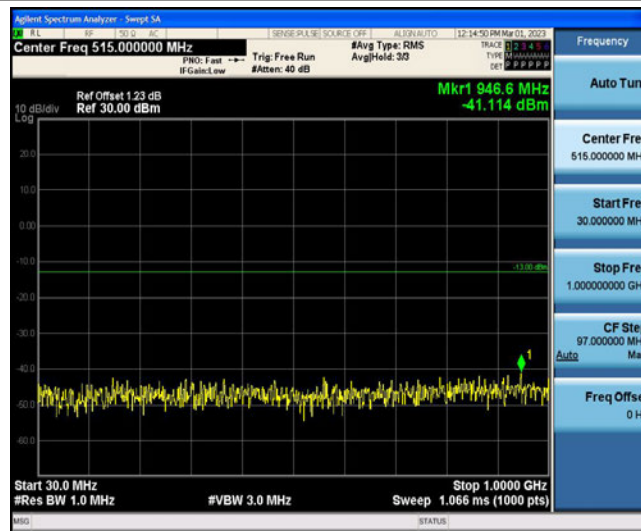
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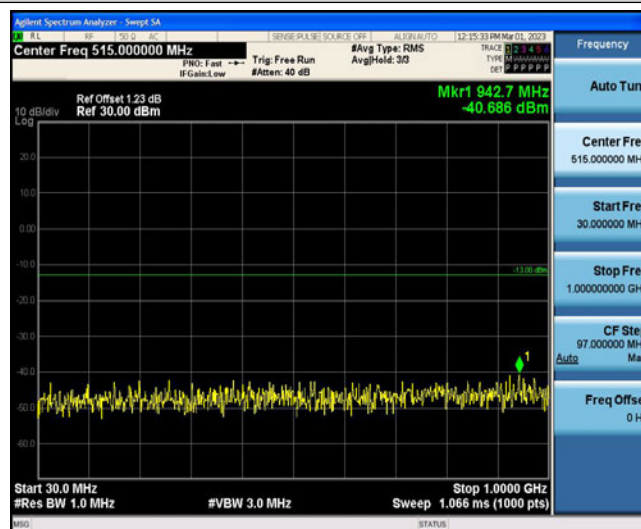
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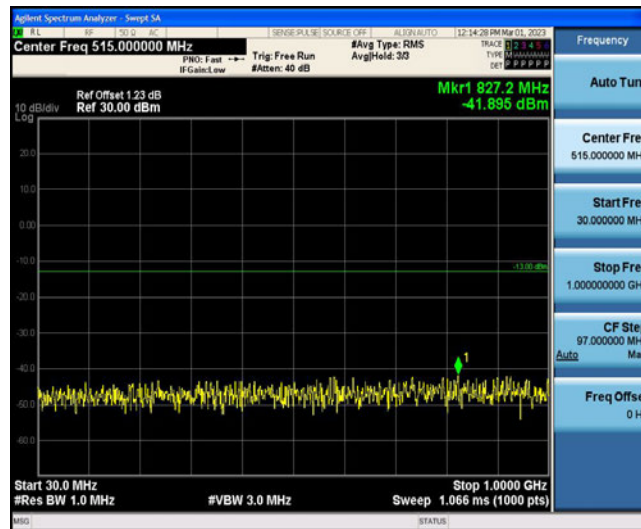
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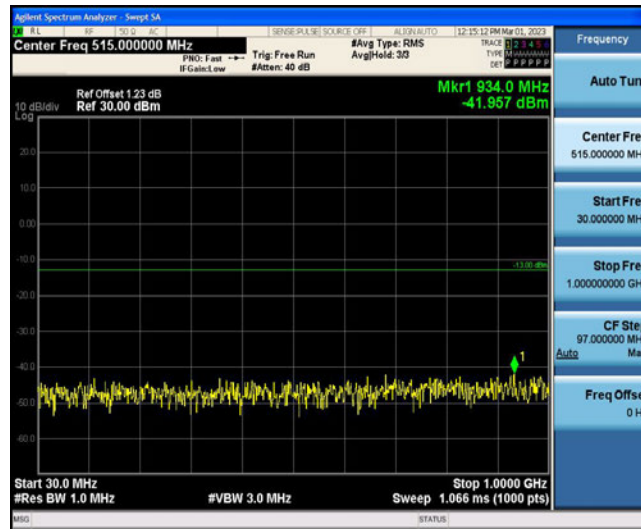
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Band4-1.4MHz-16QAM-19957-1RB#0-Range2:1000~20000MHz



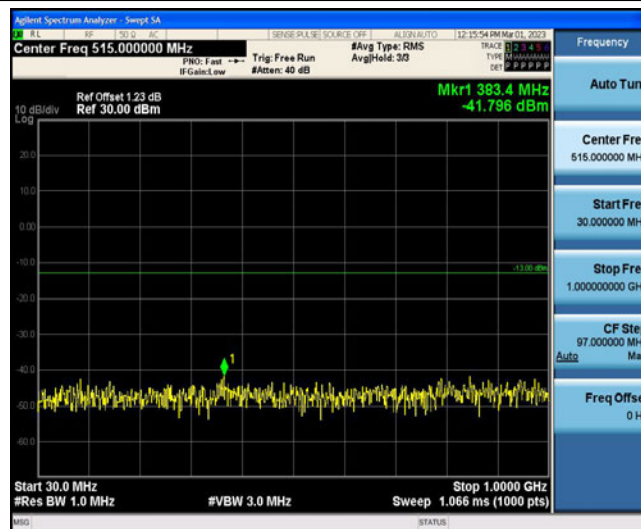
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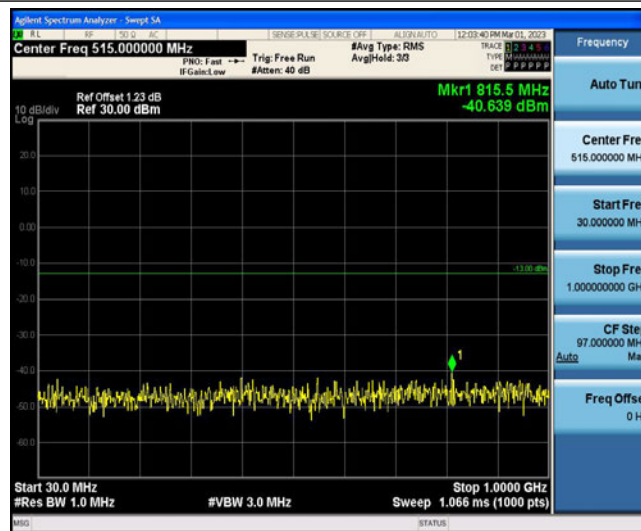
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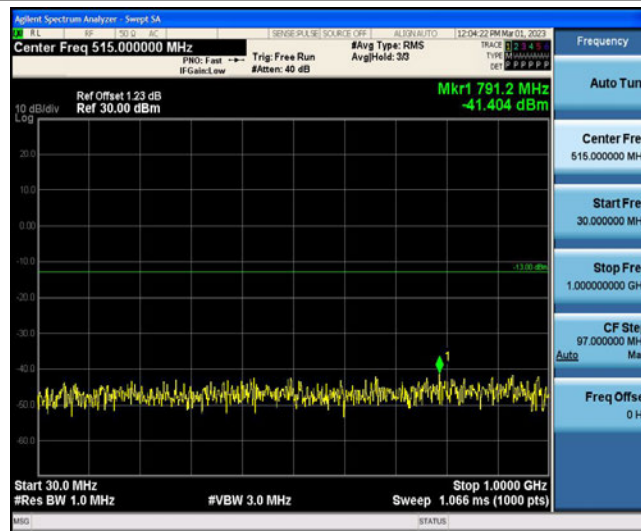
Band4-3MHz-QPSK-19965-1RB#0-Range1:30~1000MHz



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



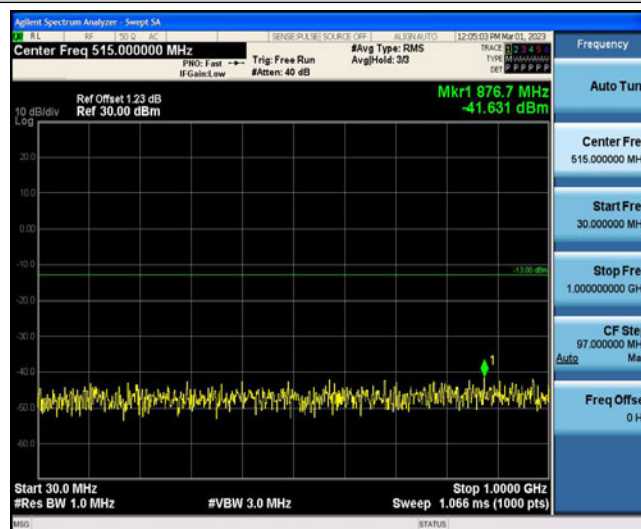
Band4-3MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



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



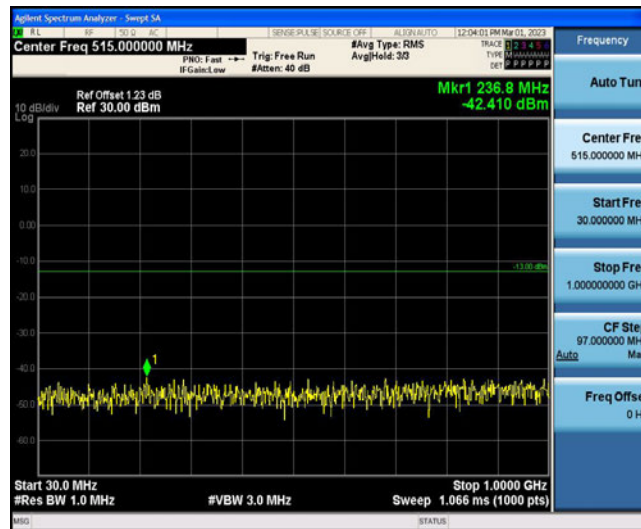
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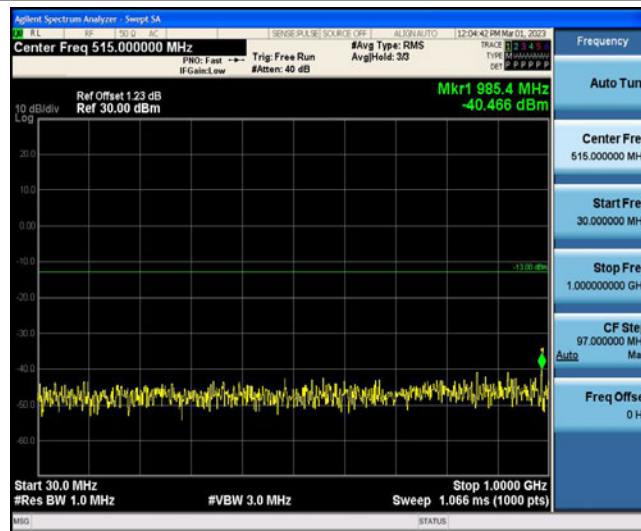
Band4-3MHz-16QAM-19965-1RB#0-Range1:30~1000MHz



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



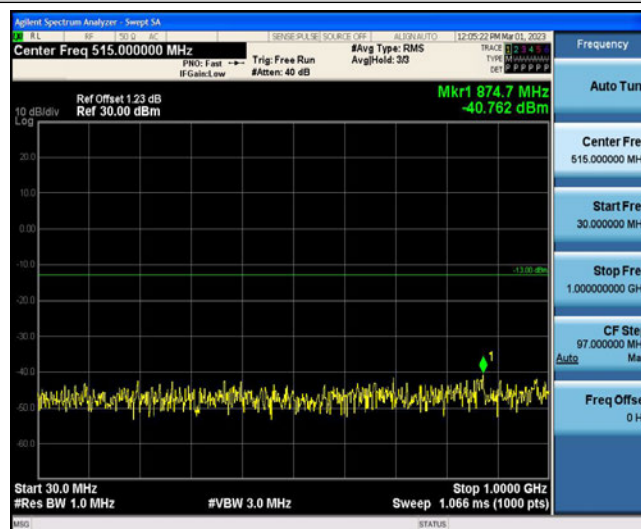
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Band4-3MHz-16QAM-20175-1RB#0-Range2:1000~20000MHz



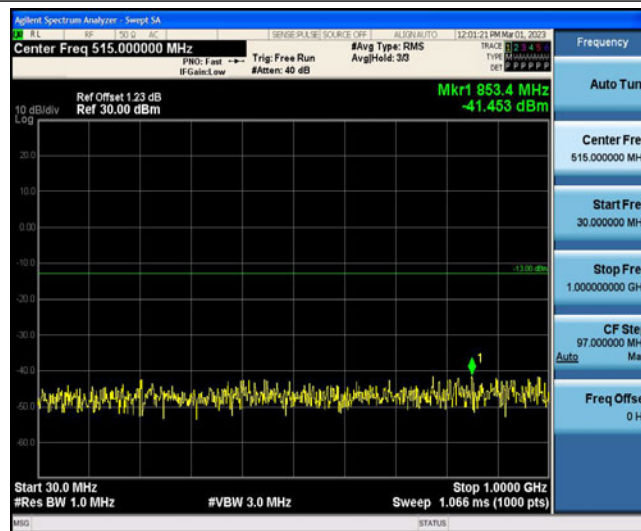
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Band4-3MHz-16QAM-20385-1RB#0-Range2:1000~20000MHz



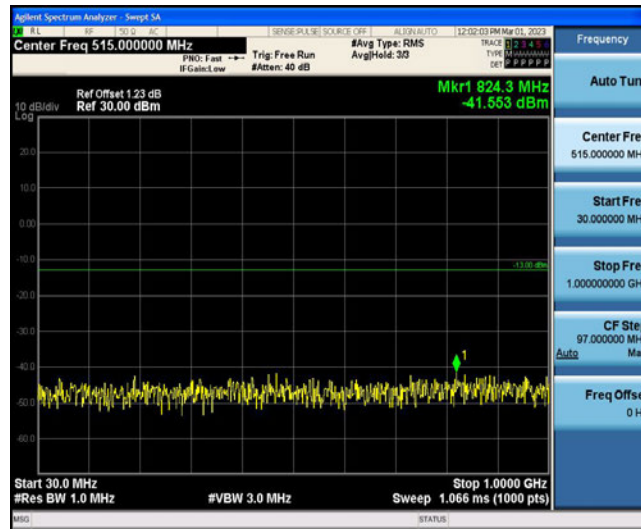
Band4-5MHz-QPSK-19975-1RB#0-Range1:30~1000MHz



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



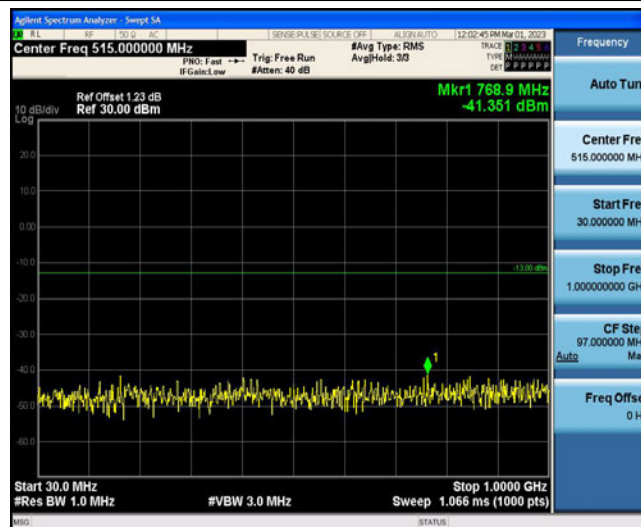
Band4-5MHz-QPSK-20175-1RB#0-Range1:30~1000MHz



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



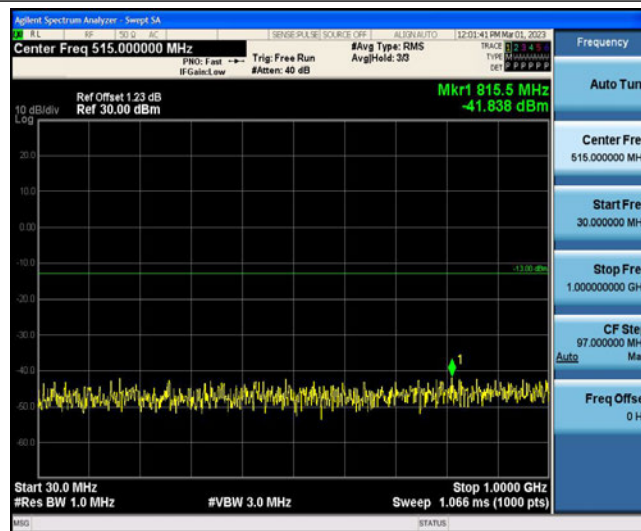
Band4-5MHz-QPSK-20375-1RB#0-Range1:30~1000MHz



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