

AppendixA: Effective (Isotropic) Radiated Power Output Data

Test Result

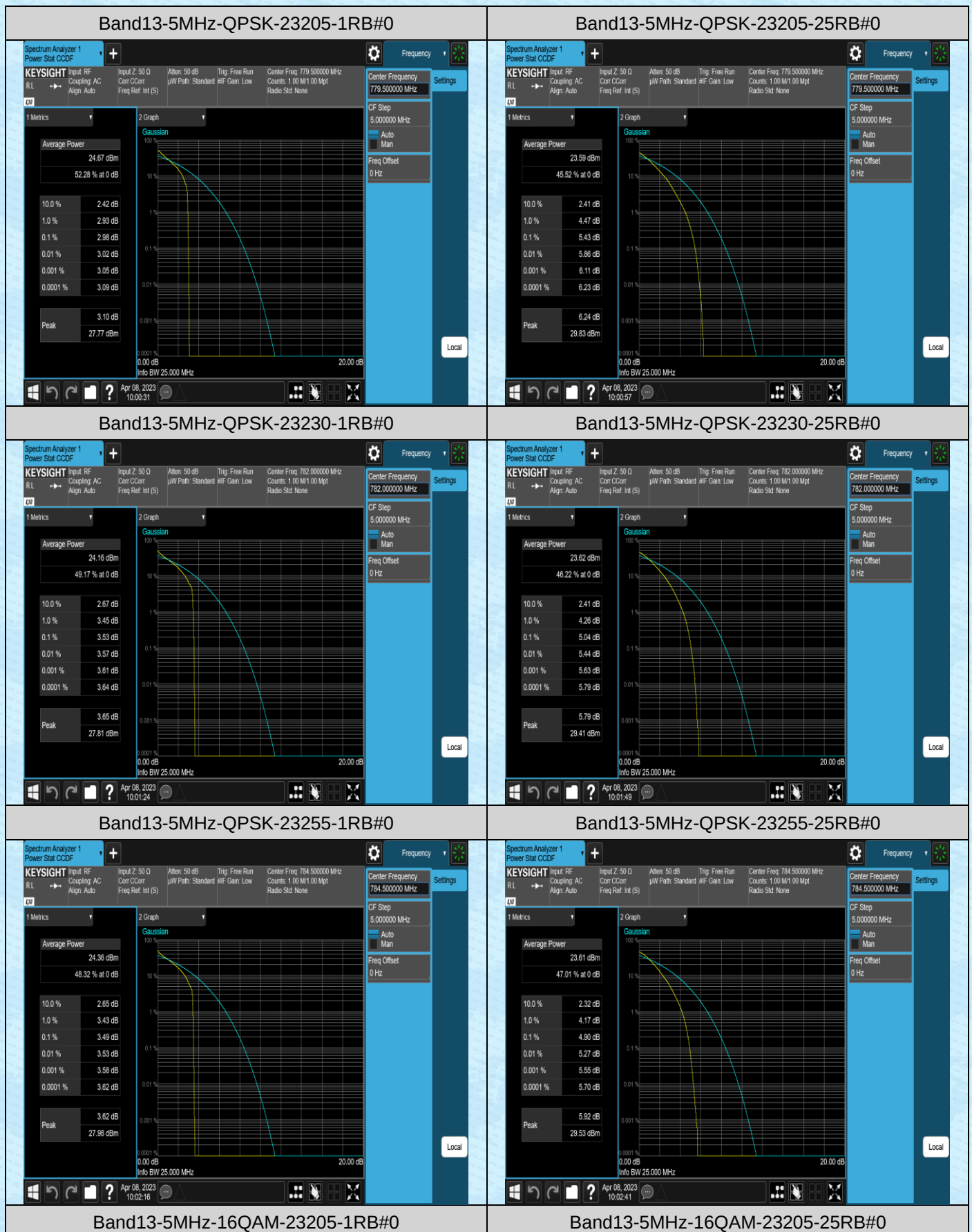
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	22.85	23.85	PASS
Band13	5MHz	QPSK	23205	1RB#12	22.63	23.63	PASS
Band13	5MHz	QPSK	23205	1RB#24	22.85	23.85	PASS
Band13	5MHz	QPSK	23205	12RB#0	21.78	22.78	PASS
Band13	5MHz	QPSK	23205	12RB#6	21.79	22.79	PASS
Band13	5MHz	QPSK	23205	12RB#13	21.84	22.84	PASS
Band13	5MHz	QPSK	23205	25RB#0	21.74	22.74	PASS
Band13	5MHz	QPSK	23230	1RB#0	22.80	23.80	PASS
Band13	5MHz	QPSK	23230	1RB#12	23.20	24.20	PASS
Band13	5MHz	QPSK	23230	1RB#24	23.02	24.02	PASS
Band13	5MHz	QPSK	23230	12RB#0	21.99	22.99	PASS
Band13	5MHz	QPSK	23230	12RB#6	22.05	23.05	PASS
Band13	5MHz	QPSK	23230	12RB#13	22.26	23.26	PASS
Band13	5MHz	QPSK	23230	25RB#0	22.05	23.05	PASS
Band13	5MHz	QPSK	23255	1RB#0	22.93	23.93	PASS
Band13	5MHz	QPSK	23255	1RB#12	22.97	23.97	PASS
Band13	5MHz	QPSK	23255	1RB#24	22.75	23.75	PASS
Band13	5MHz	QPSK	23255	12RB#0	22.09	23.09	PASS
Band13	5MHz	QPSK	23255	12RB#6	22.14	23.14	PASS
Band13	5MHz	QPSK	23255	12RB#13	21.81	22.81	PASS
Band13	5MHz	QPSK	23255	25RB#0	21.95	22.95	PASS
Band13	5MHz	16QAM	23205	1RB#0	21.85	22.85	PASS
Band13	5MHz	16QAM	23205	1RB#12	21.51	22.51	PASS
Band13	5MHz	16QAM	23205	1RB#24	21.85	22.85	PASS
Band13	5MHz	16QAM	23205	12RB#0	20.93	21.93	PASS
Band13	5MHz	16QAM	23205	12RB#6	20.83	21.83	PASS
Band13	5MHz	16QAM	23205	12RB#13	20.89	21.89	PASS
Band13	5MHz	16QAM	23205	25RB#0	20.81	21.81	PASS
Band13	5MHz	16QAM	23230	1RB#0	21.74	22.74	PASS
Band13	5MHz	16QAM	23230	1RB#12	22.01	23.01	PASS
Band13	5MHz	16QAM	23230	1RB#24	21.86	22.86	PASS
Band13	5MHz	16QAM	23230	12RB#0	21.04	22.04	PASS
Band13	5MHz	16QAM	23230	12RB#6	21.02	22.02	PASS
Band13	5MHz	16QAM	23230	12RB#13	21.19	22.19	PASS

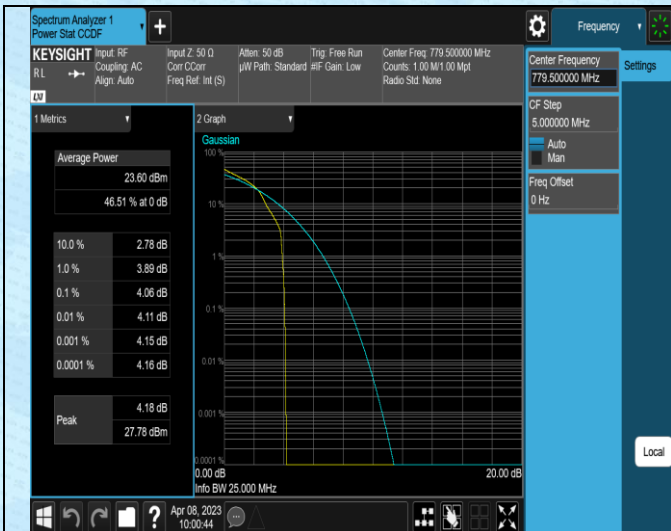
Band13	5MHz	16QAM	23230	25RB#0	21.18	22.18	PASS
Band13	5MHz	16QAM	23255	1RB#0	22.27	23.27	PASS
Band13	5MHz	16QAM	23255	1RB#12	22.22	23.22	PASS
Band13	5MHz	16QAM	23255	1RB#24	21.73	22.73	PASS
Band13	5MHz	16QAM	23255	12RB#0	21.18	22.18	PASS
Band13	5MHz	16QAM	23255	12RB#6	21.18	22.18	PASS
Band13	5MHz	16QAM	23255	12RB#13	21.02	22.02	PASS
Band13	5MHz	16QAM	23255	25RB#0	21.09	22.09	PASS
Band13	10MHz	QPSK	23230	1RB#0	22.81	23.81	PASS
Band13	10MHz	QPSK	23230	1RB#24	22.92	23.92	PASS
Band13	10MHz	QPSK	23230	1RB#49	22.73	23.73	PASS
Band13	10MHz	QPSK	23230	25RB#0	21.87	22.87	PASS
Band13	10MHz	QPSK	23230	25RB#12	21.95	22.95	PASS
Band13	10MHz	QPSK	23230	25RB#25	21.80	22.80	PASS
Band13	10MHz	QPSK	23230	50RB#0	22.00	23.00	PASS
Band13	10MHz	16QAM	23230	1RB#0	22.07	23.07	PASS
Band13	10MHz	16QAM	23230	1RB#24	22.35	23.35	PASS
Band13	10MHz	16QAM	23230	1RB#49	21.88	22.88	PASS
Band13	10MHz	16QAM	23230	25RB#0	21.06	22.06	PASS
Band13	10MHz	16QAM	23230	25RB#12	21.06	22.06	PASS
Band13	10MHz	16QAM	23230	25RB#25	21.07	22.07	PASS

Appendix B: Peak-to-Average Ratio(CCDF)**Test Result**

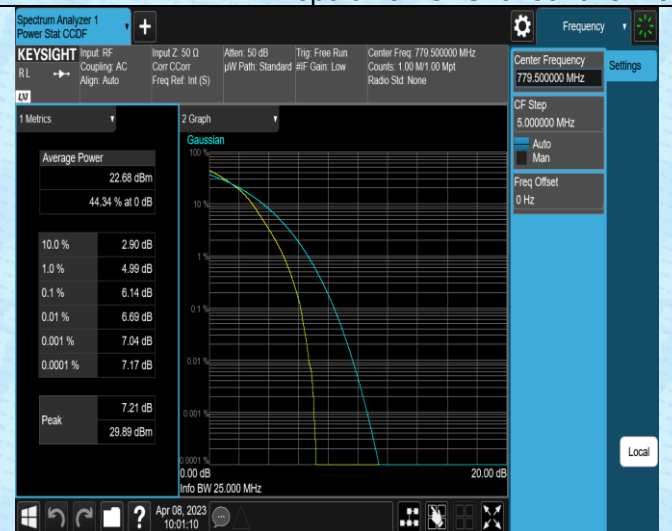
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	2.98	13	PASS
Band13	5MHz	QPSK	23205	25RB#0	5.43	13	PASS
Band13	5MHz	QPSK	23230	1RB#0	3.53	13	PASS
Band13	5MHz	QPSK	23230	25RB#0	5.04	13	PASS
Band13	5MHz	QPSK	23255	1RB#0	3.49	13	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.90	13	PASS
Band13	5MHz	16QAM	23205	1RB#0	4.06	13	PASS
Band13	5MHz	16QAM	23205	25RB#0	6.14	13	PASS
Band13	5MHz	16QAM	23230	1RB#0	4.18	13	PASS
Band13	5MHz	16QAM	23230	25RB#0	5.90	13	PASS
Band13	5MHz	16QAM	23255	1RB#0	4.19	13	PASS
Band13	5MHz	16QAM	23255	25RB#0	5.76	13	PASS
Band13	10MHz	QPSK	23230	1RB#0	3.07	13	PASS
Band13	10MHz	QPSK	23230	50RB#0	5.08	13	PASS
Band13	10MHz	16QAM	23230	1RB#0	3.91	13	PASS

Test Graphs

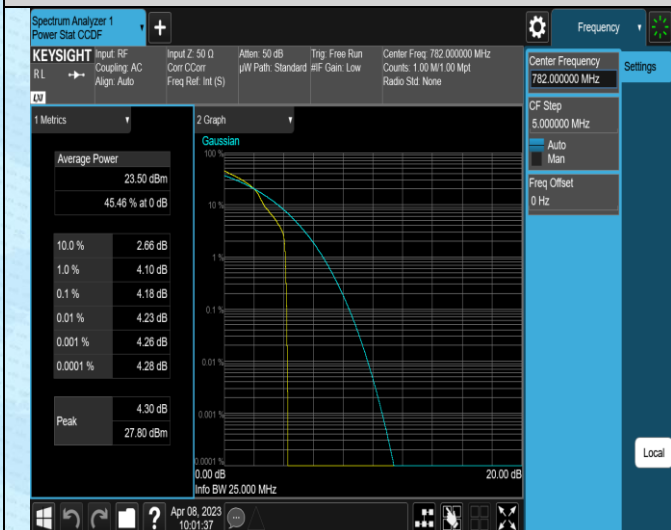




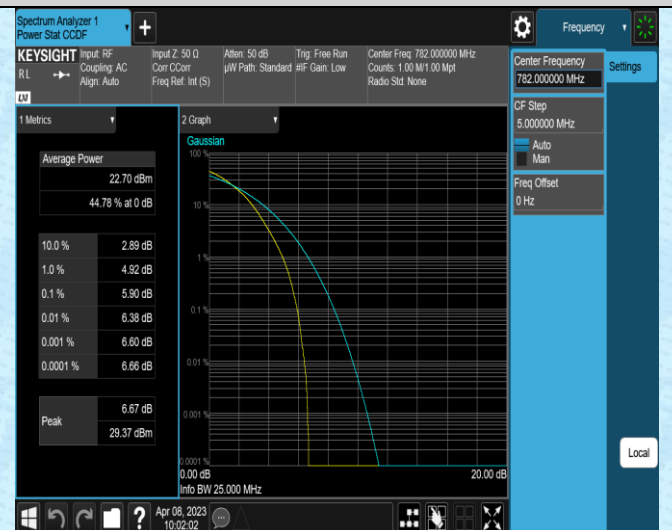
Band13-5MHz-16QAM-23230-1RB#0



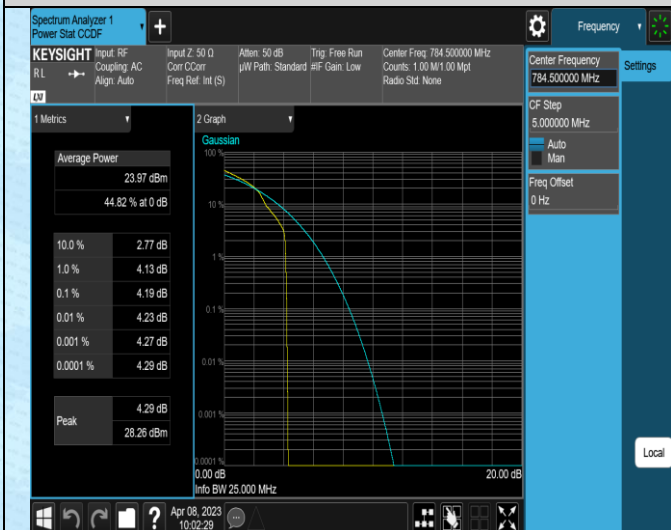
Band13-5MHz-16QAM-23230-25RB#0



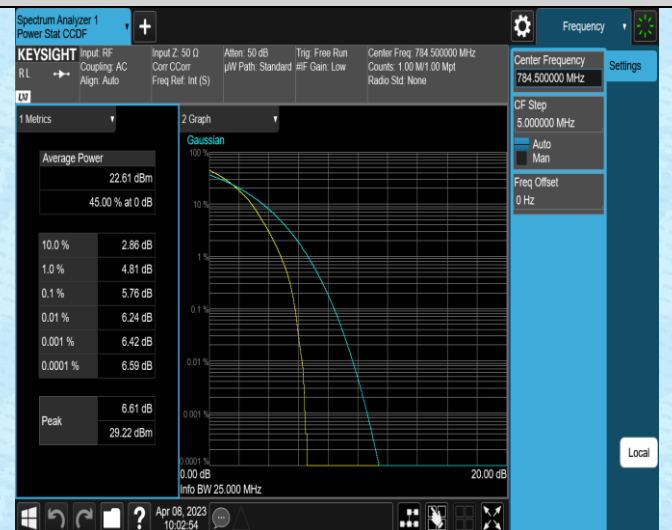
Band13-5MHz-16QAM-23255-1RB#0



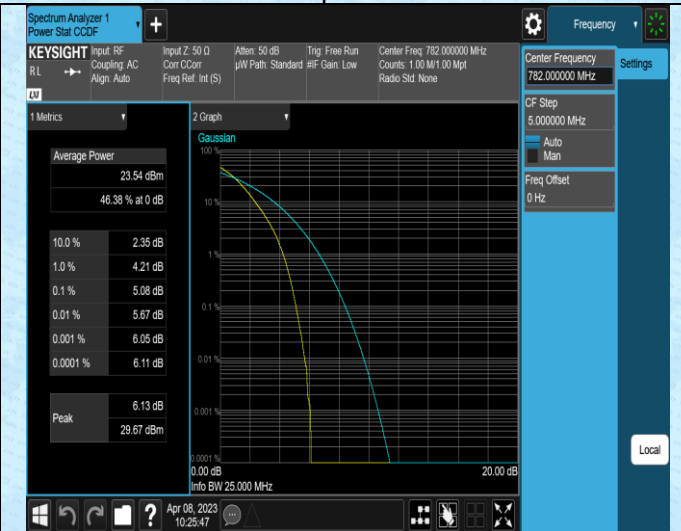
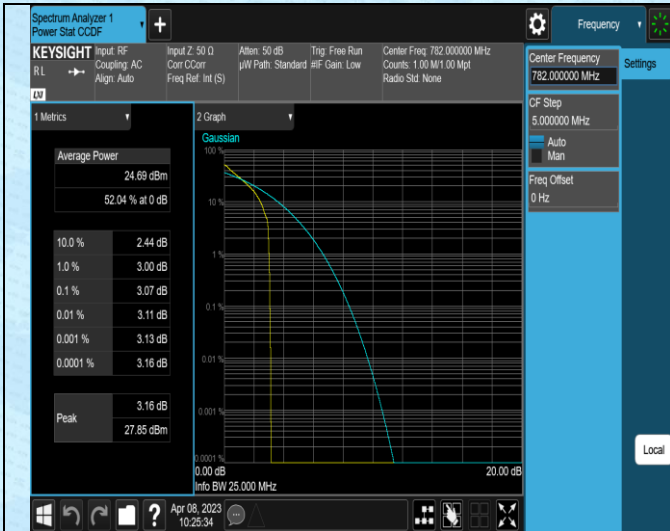
Band13-5MHz-16QAM-23255-25RB#0



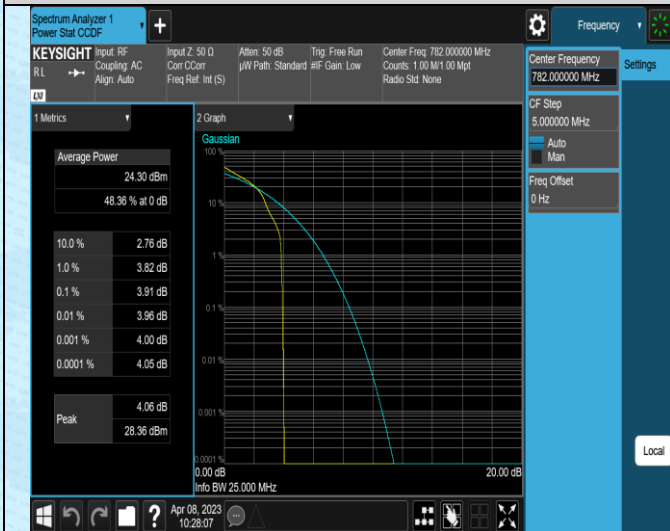
Band13-10MHz-QPSK-23230-1RB#0



Band13-10MHz-QPSK-23230-50RB#0



Band13-10MHz-16QAM-23230-1RB#0

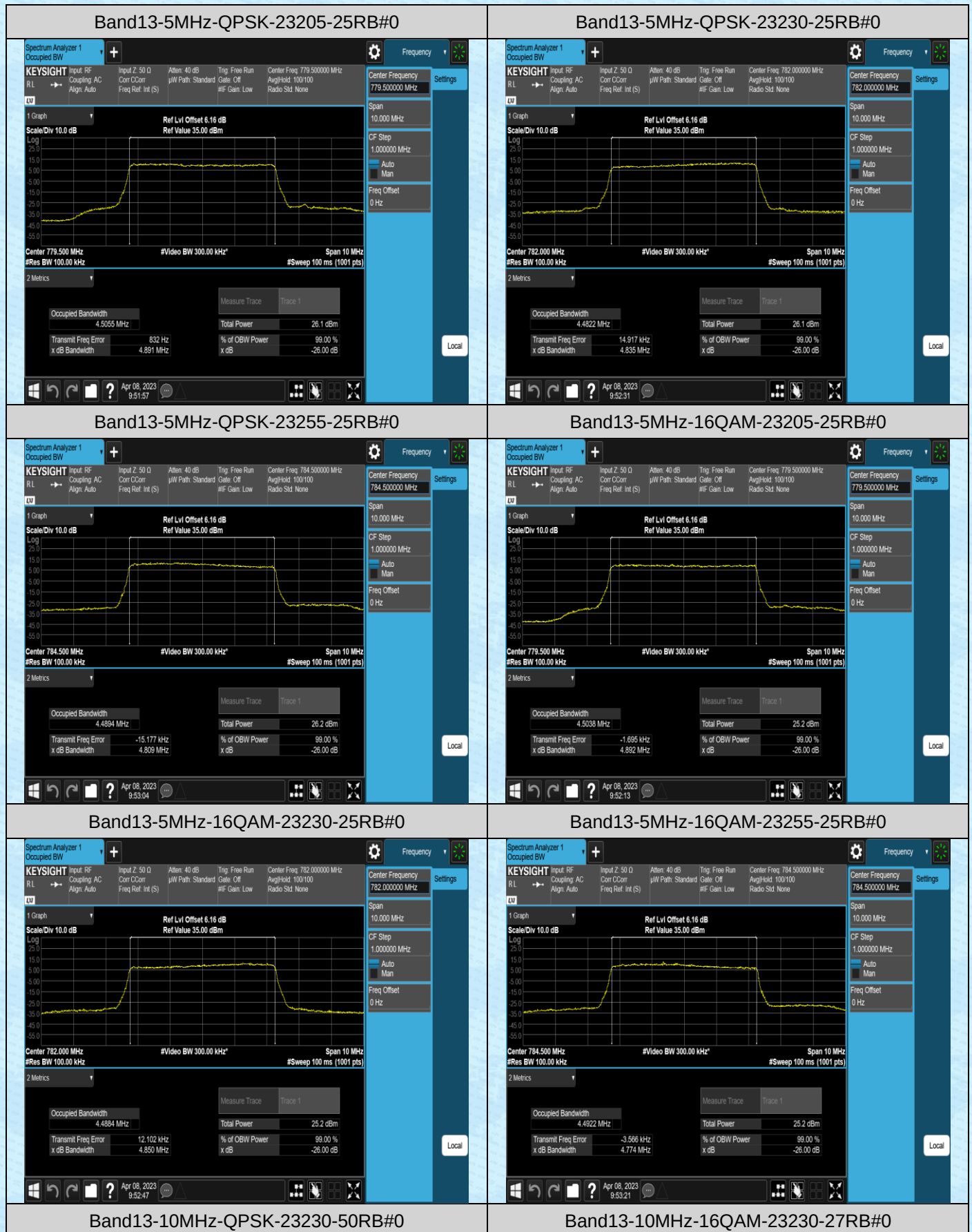


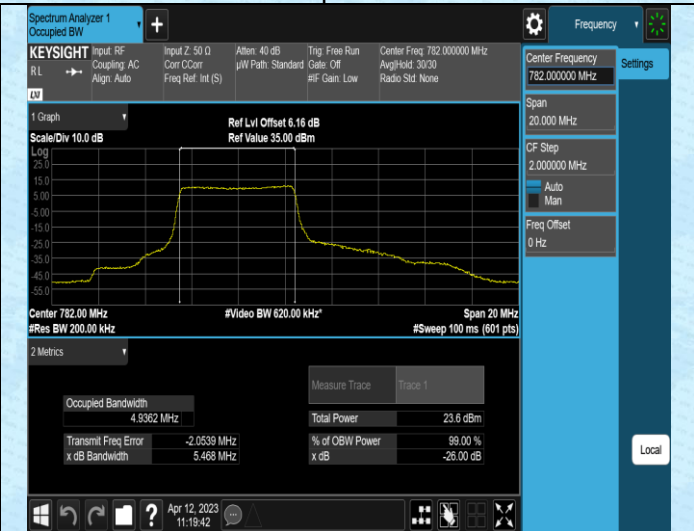
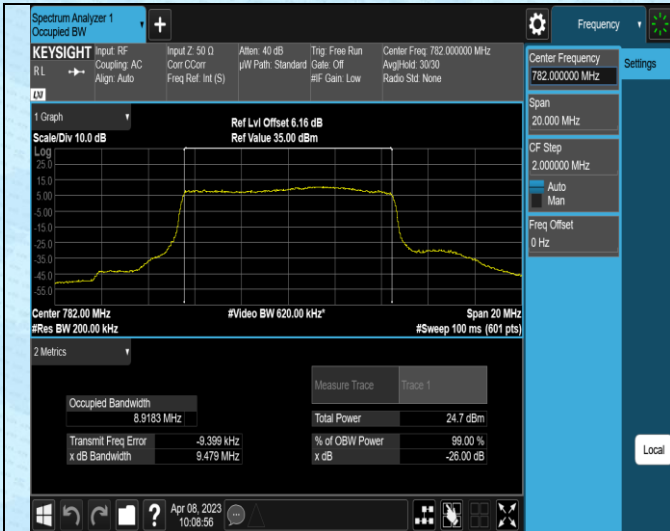
Appendix C:26dB Bandwidth andOccupied Bandwidth

Test Result

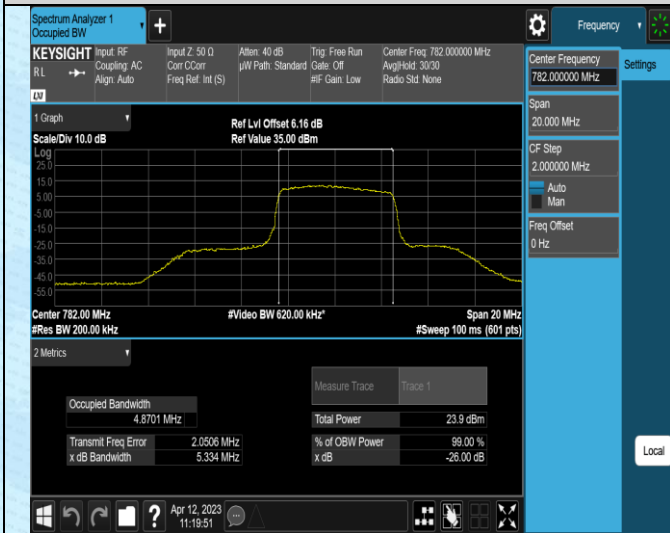
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	4.5055	4.891	PASS
Band13	5MHz	QPSK	23230	25RB#0	4.4822	4.835	PASS
Band13	5MHz	QPSK	23255	25RB#0	4.4894	4.809	PASS
Band13	5MHz	16QAM	23205	25RB#0	4.5038	4.892	PASS
Band13	5MHz	16QAM	23230	25RB#0	4.4884	4.850	PASS
Band13	5MHz	16QAM	23255	25RB#0	4.4922	4.774	PASS
Band13	10MHz	QPSK	23230	50RB#0	8.9183	9.479	PASS
Band13	10MHz	16QAM	23230	27RB#0	4.9362	5.468	PASS
Band13	10MHz	16QAM	23230	27RB#23	4.8701	5.334	PASS

Test Graphs





Band13-10MHz-16QAM-23230-27RB#23

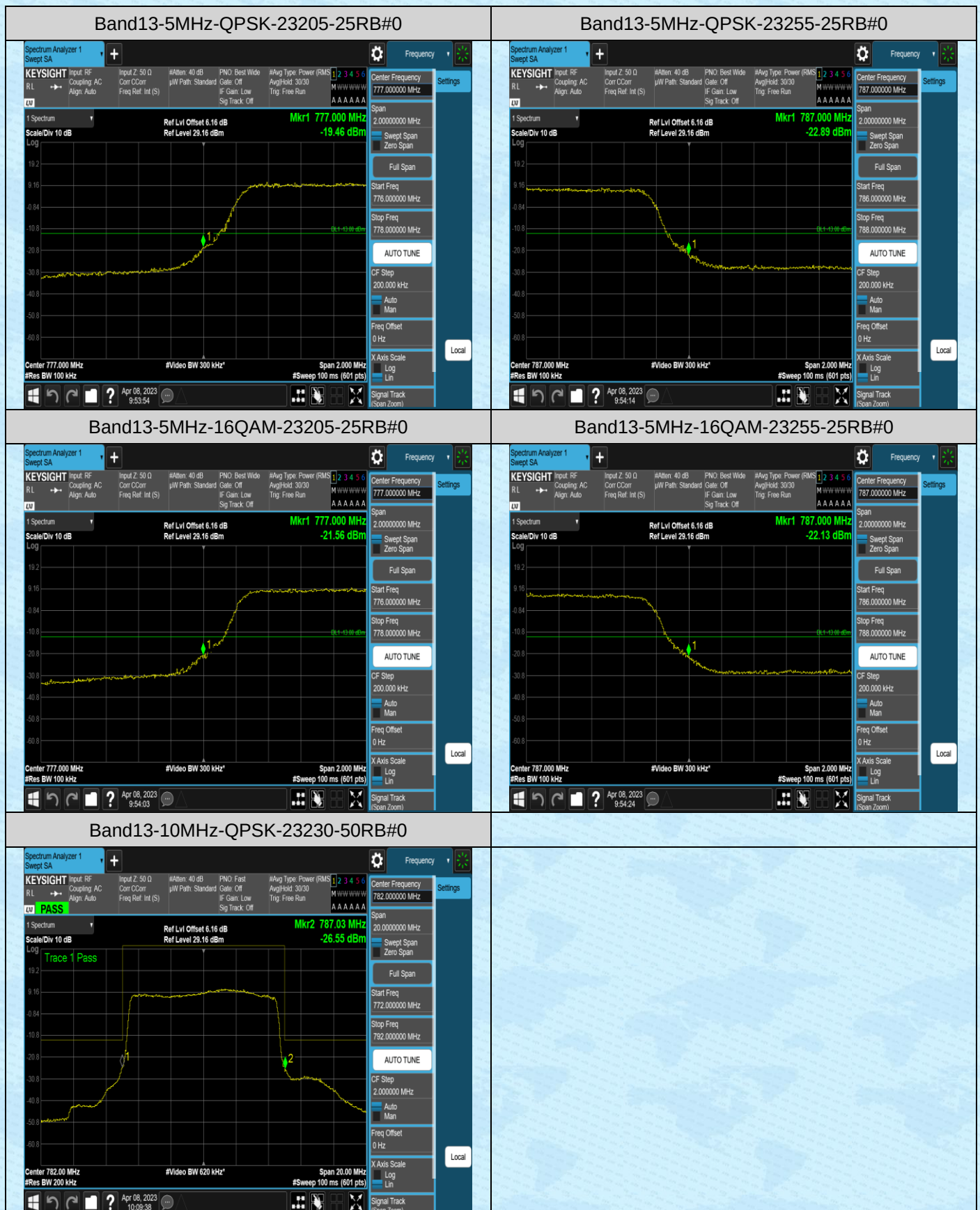


Appendix D:Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	-19.46	PASS
Band13	5MHz	QPSK	23255	25RB#0	-22.89	PASS
Band13	5MHz	16QAM	23205	25RB#0	-21.56	PASS
Band13	5MHz	16QAM	23255	25RB#0	-22.13	PASS
Band13	10MHz	QPSK	23230	50RB#0	-25.70,-26.55	PASS
Band13	10MHz	16QAM	23230	27RB#0	-23.62,-32.54	PASS
Band13	10MHz	16QAM	23230	27RB#23	-35.59,-25.48	PASS

Test Graphs





Appendix E:Conducted Spurious Emission

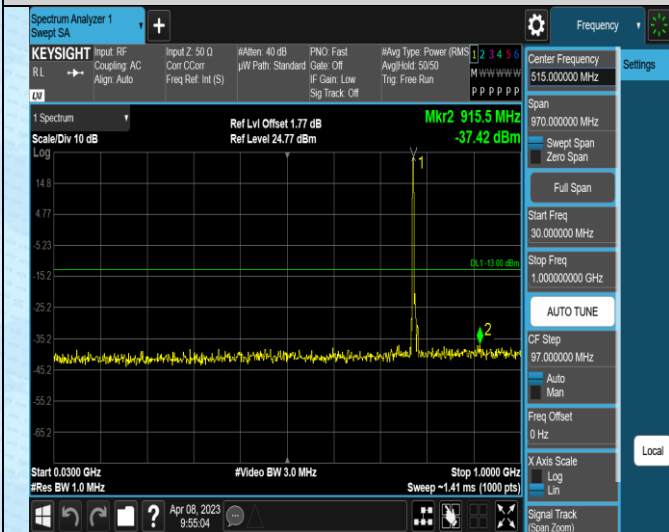
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band13	5MHz	QPSK	23205	1RB#0	Range2:30~1000MHz	-37.42	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range1:30~1000MHz	-37.5	PASS
Band13	5MHz	QPSK	23205	1RB#0	Range3:1000~10000MHz	-47.79	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-37.71	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range2:30~1000MHz	-37.12	PASS
Band13	5MHz	QPSK	23230	1RB#0	Range3:1000~10000MHz	-47.35	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range1:30~1000MHz	-36.24	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range2:30~1000MHz	-36.81	PASS
Band13	5MHz	QPSK	23255	1RB#0	Range3:1000~10000MHz	-46.57	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range1:30~1000MHz	-37.34	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range2:30~1000MHz	-37.11	PASS
Band13	5MHz	16QAM	23205	1RB#0	Range3:1000~10000MHz	-46.66	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-37.05	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range2:30~1000MHz	-37.77	PASS
Band13	5MHz	16QAM	23230	1RB#0	Range3:1000~10000MHz	-47.02	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range1:30~1000MHz	-37.03	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range2:30~1000MHz	-36.61	PASS
Band13	5MHz	16QAM	23255	1RB#0	Range3:1000~10000MHz	-46.53	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range1:30~1000MHz	-36.96	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range2:30~1000MHz	-37.79	PASS
Band13	10MHz	QPSK	23230	1RB#0	Range3:1000~10000MHz	-46.97	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range1:30~1000MHz	-36.81	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range2:30~1000MHz	-37.27	PASS
Band13	10MHz	16QAM	23230	1RB#0	Range3:1000~10000MHz	-47.37	PASS

Test Graphs

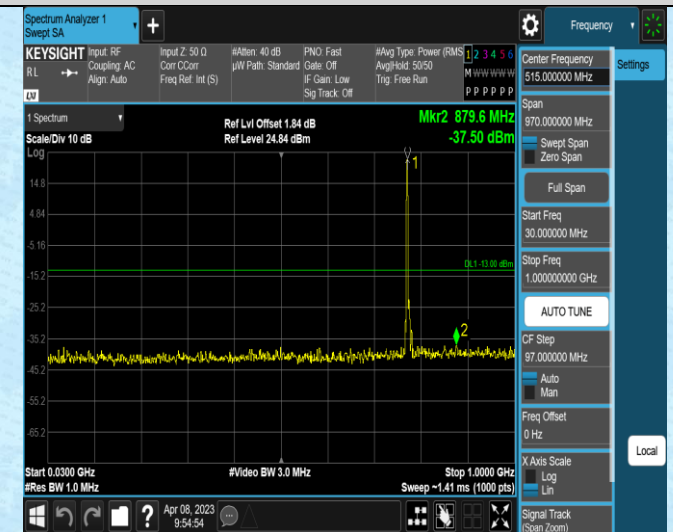
Band13-5MHz-QPSK-23205-1RB#0-Range2:30~1000M

Hz



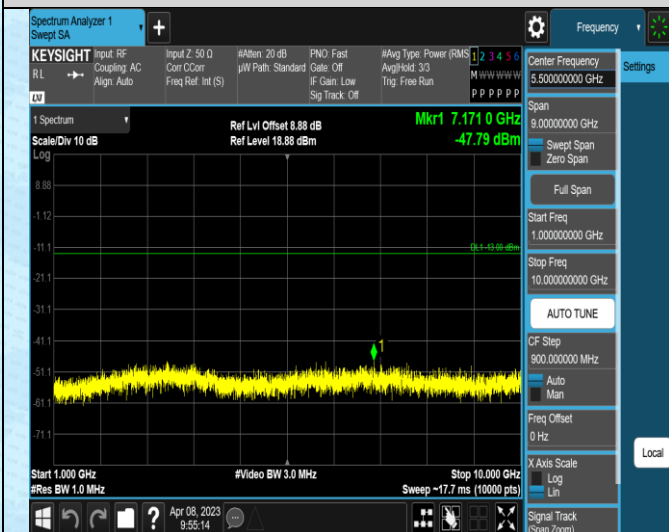
Band13-5MHz-QPSK-23205-1RB#0-Range1:30~1000M

Hz



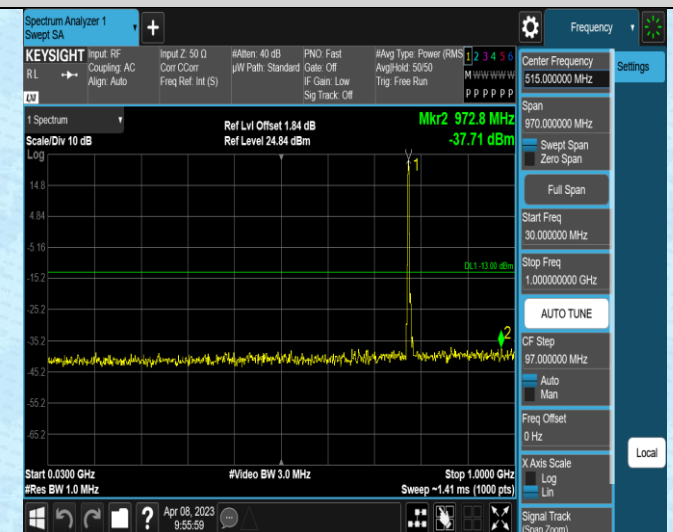
Band13-5MHz-QPSK-23205-1RB#0-Range3:1000~100

00MHz



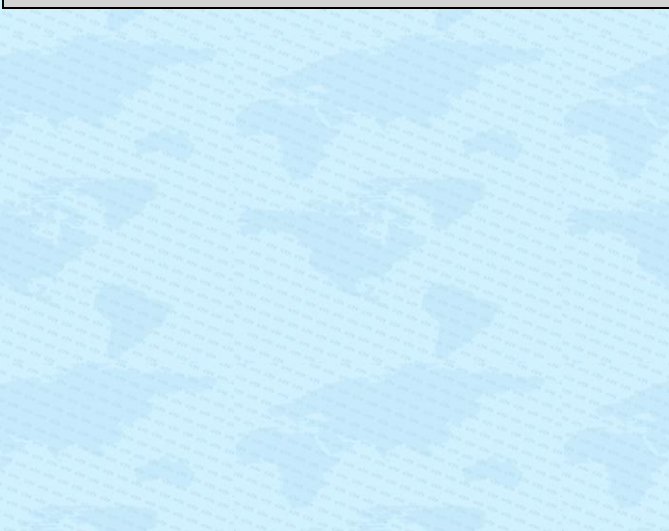
Band13-5MHz-QPSK-23230-1RB#0-Range1:30~1000M

Hz



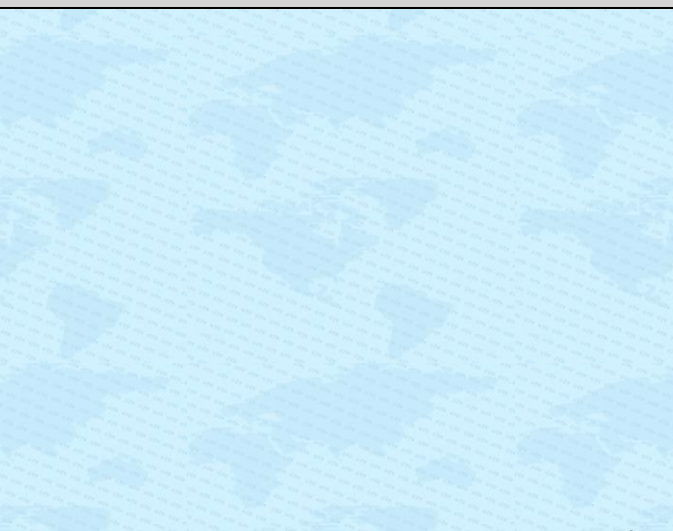
Band13-5MHz-QPSK-23230-1RB#0-Range2:30~1000M

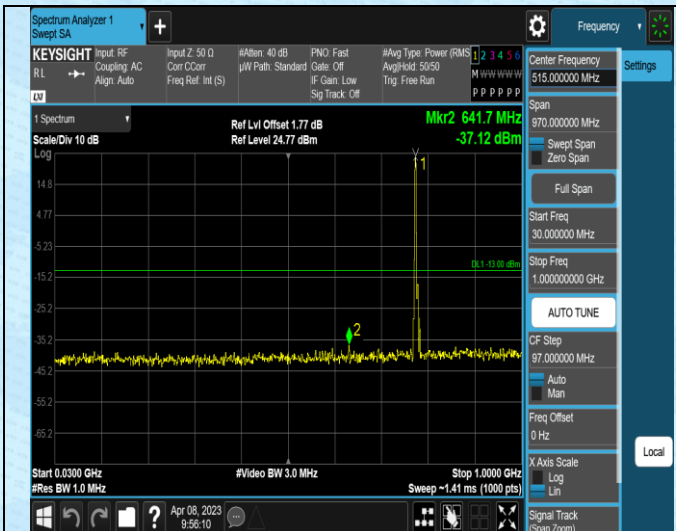
Hz



Band13-5MHz-QPSK-23230-1RB#0-Range3:1000~100

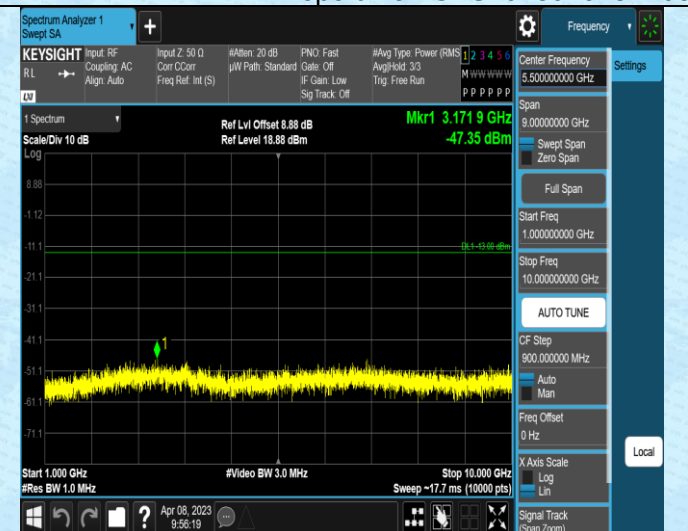
00MHz





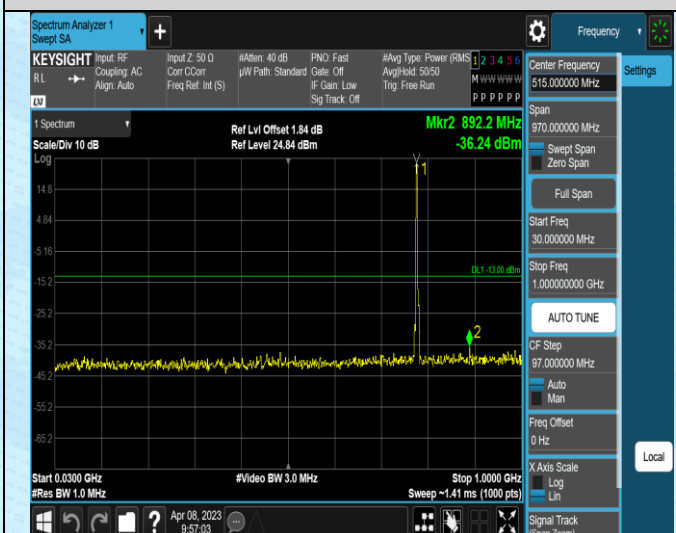
Band13-5MHz-QPSK-23255-1RB#0-Range1:30~1000M

Hz



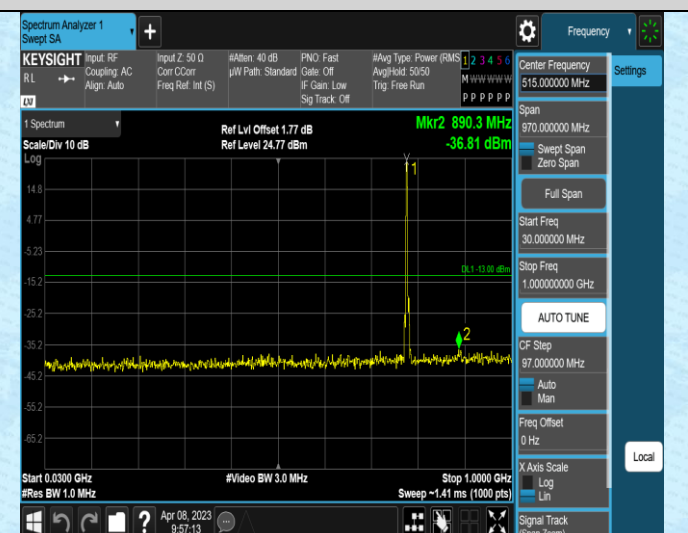
Band13-5MHz-QPSK-23255-1RB#0-Range2:30~1000M

Hz



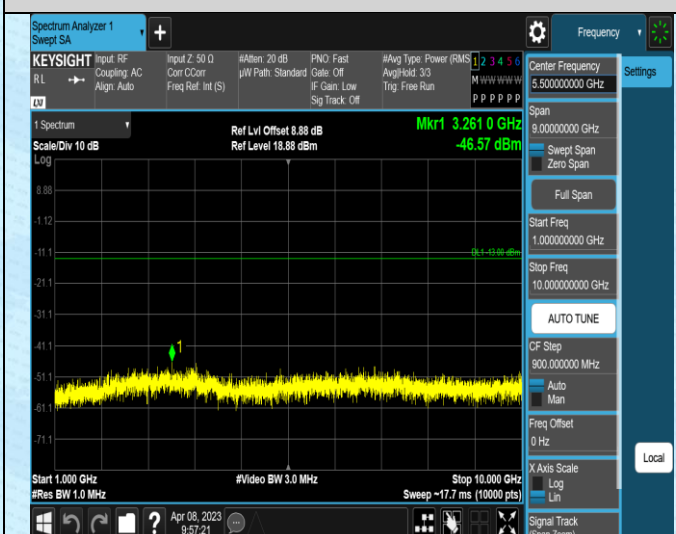
Band13-5MHz-QPSK-23255-1RB#0-Range3:1000~100

00MHz



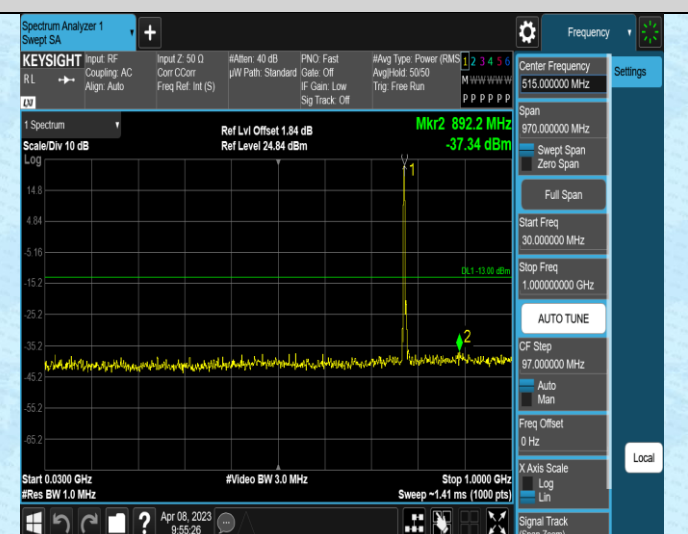
Band13-5MHz-16QAM-23205-1RB#0-Range1:30~1000

MHz



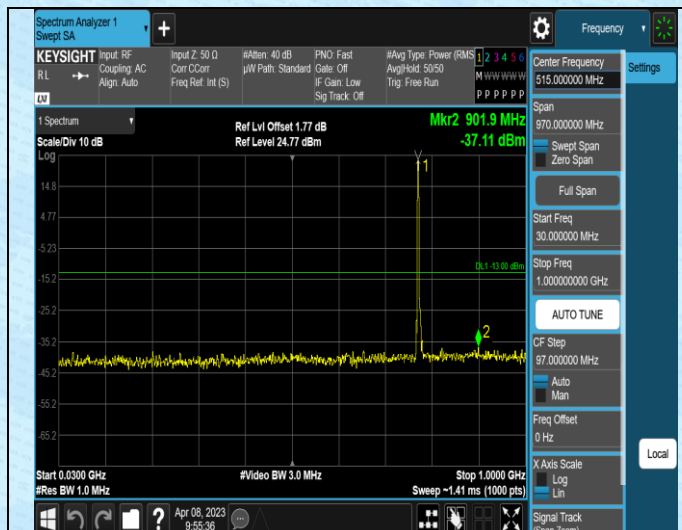
Band13-5MHz-16QAM-23205-1RB#0-Range2:30~1000

MHz

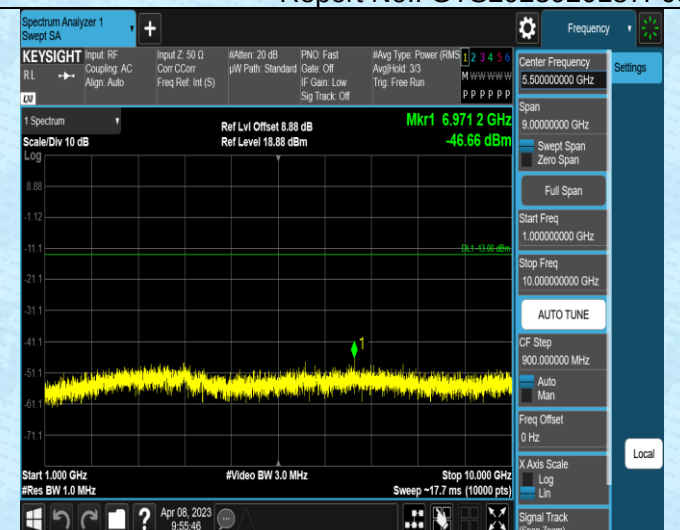


Band13-5MHz-16QAM-23205-1RB#0-Range3:1000~10

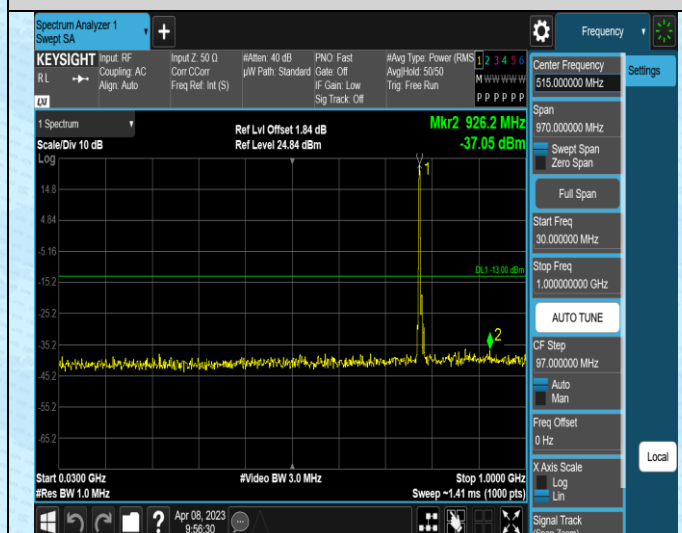
000MHz



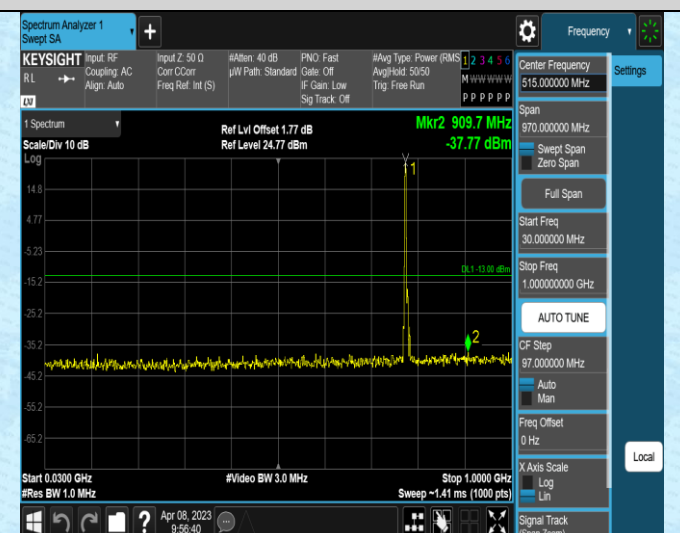
Band13-5MHz-16QAM-23230-1RB#0-Range1:30~1000 MHz



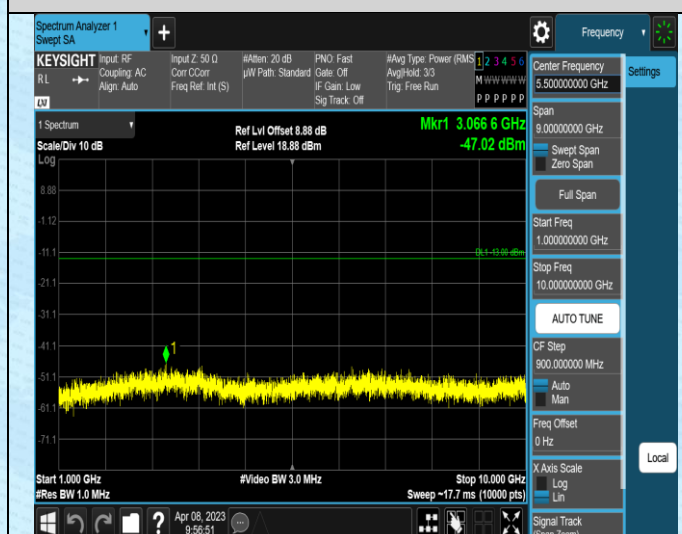
Band13-5MHz-16QAM-23230-1RB#0-Range2:30~1000 MHz



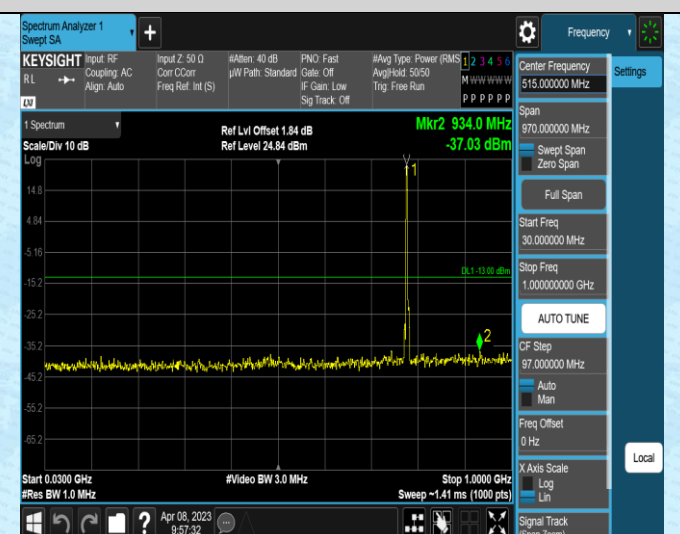
Band13-5MHz-16QAM-23230-1RB#0-Range3:1000~10000MHz



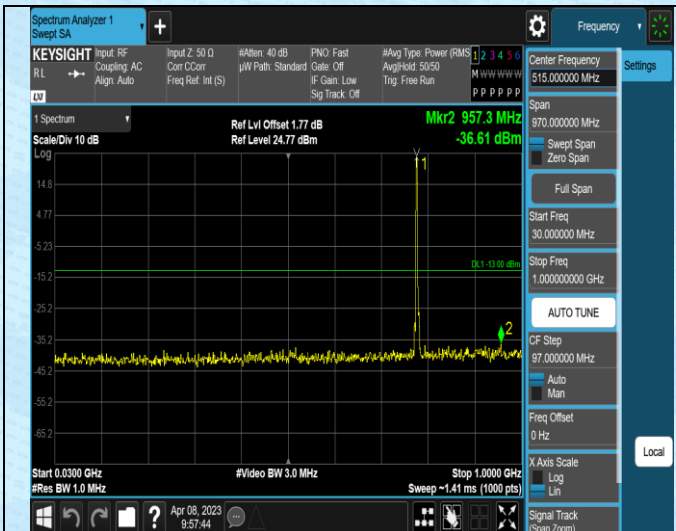
Band13-5MHz-16QAM-23255-1RB#0-Range1:30~1000 MHz



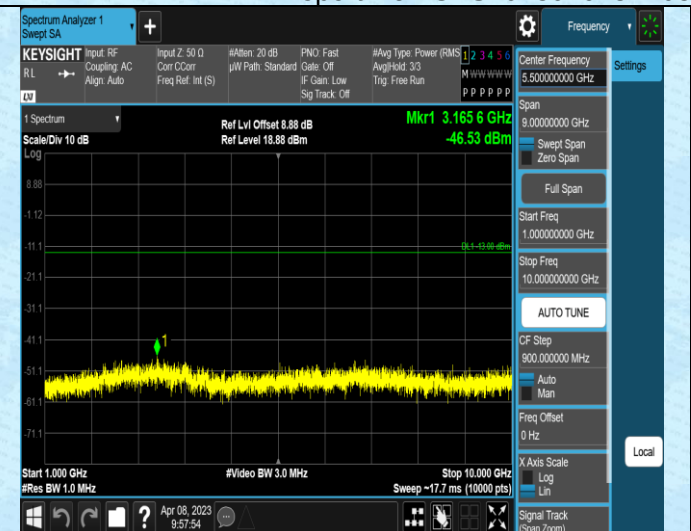
Band13-5MHz-16QAM-23255-1RB#0-Range2:30~1000 MHz



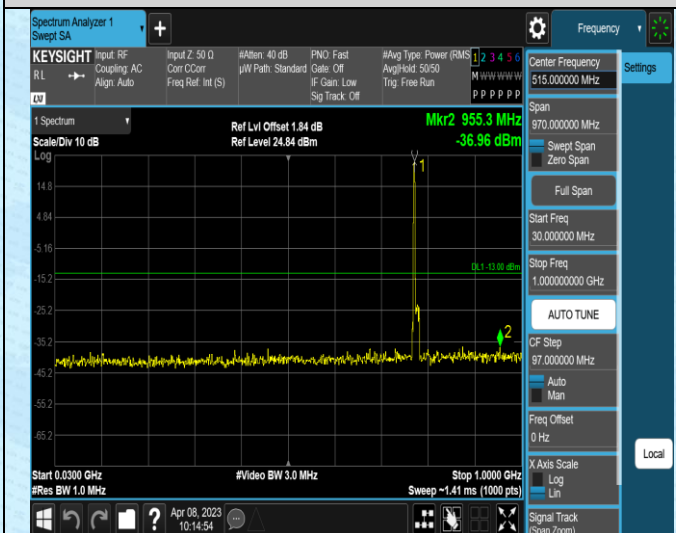
Band13-5MHz-16QAM-23255-1RB#0-Range3:1000~10000MHz



Band13-10MHz-QPSK-23230-1RB#0-Range1:30~1000 MHz



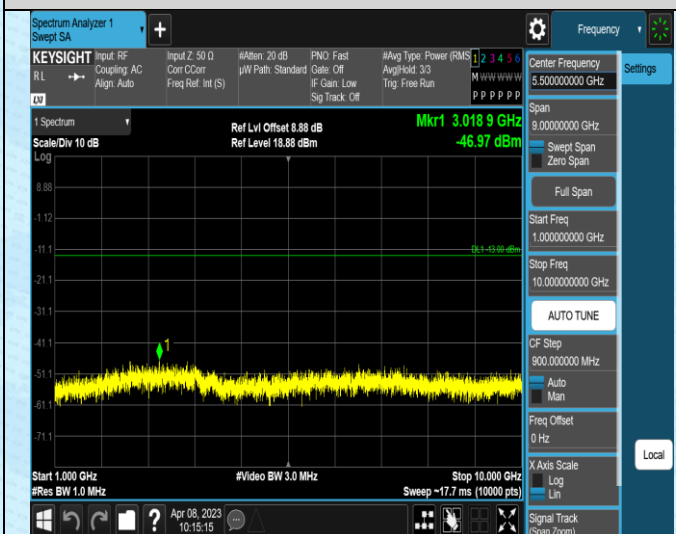
Band13-10MHz-QPSK-23230-1RB#0-Range2:30~1000 MHz



Band13-10MHz-QPSK-23230-1RB#0-Range3:1000~10000MHz



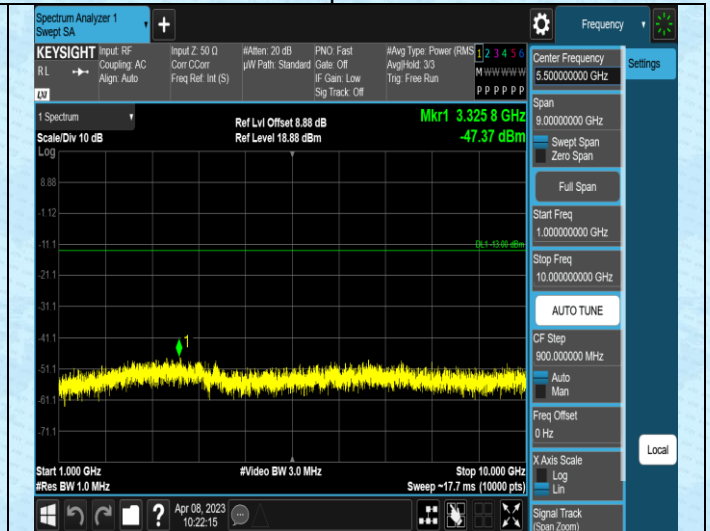
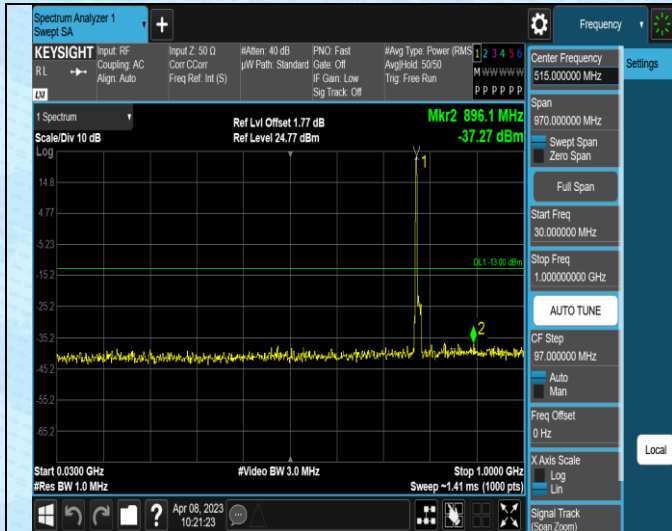
Band13-10MHz-16QAM-23230-1RB#0-Range1:30~1000 MHz



Band13-10MHz-16QAM-23230-1RB#0-Range2:30~1000 MHz



Band13-10MHz-16QAM-23230-1RB#0-Range3:1000~10000MHz



Appendix F: Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-4.35	-0.005581	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-4.61	-0.005914	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	-2.65	-0.003400	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-2.05	-0.002621	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-3.39	-0.004335	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	1.77	0.002263	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	-2.40	-0.003059	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	-1.99	-0.002537	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-4.05	-0.005163	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-3.63	-0.004657	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-2.99	-0.003836	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-4.03	-0.005170	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-2.05	-0.002621	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	1.53	0.001957	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-2.73	-0.003491	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-2.60	-0.003314	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	-1.27	-0.001619	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-2.06	-0.002626	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-2.46	-0.003146	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-3.13	-0.004003	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-2.85	-0.003645	±2.5	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Temperature		Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
					Voltage [Vdc]	Temperature (°C)				
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-4.46	-0.005722	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-4.69	-0.006017	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-2.76	-0.003541	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-4.23	-0.005427	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-1.44	-0.001847	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-2.13	-0.002724	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-2.30	-0.002941	±2.5	PASS

Band13	5MHz	QPSK	23230	25RB#0	NV	0	-1.67	-0.002136	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-2.15	-0.002749	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	2.20	0.002813	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	2.32	0.002957	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	1.14	0.001453	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	2.33	0.002970	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	1.00	0.001275	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	-2.03	-0.002588	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-2.82	-0.003618	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-2.45	-0.003143	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-3.33	-0.004272	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-2.36	-0.003028	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-4.03	-0.005170	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-3.06	-0.003913	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-2.56	-0.003274	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-2.06	-0.002634	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-0.54	-0.000691	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	1.72	0.002199	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-2.92	-0.003722	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	-2.89	-0.003684	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	-2.50	-0.003187	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	-2.17	-0.002766	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	1.59	0.002027	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-3.25	-0.004156	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-2.46	-0.003146	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-3.23	-0.004130	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	-3.06	-0.003913	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-2.45	-0.003133	±2.5	PASS

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