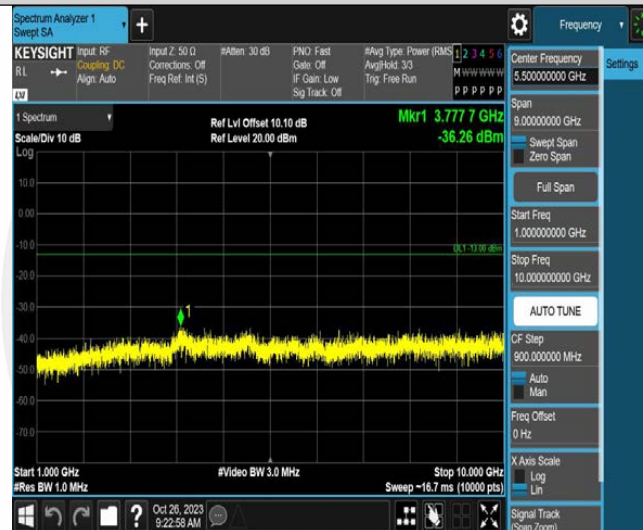




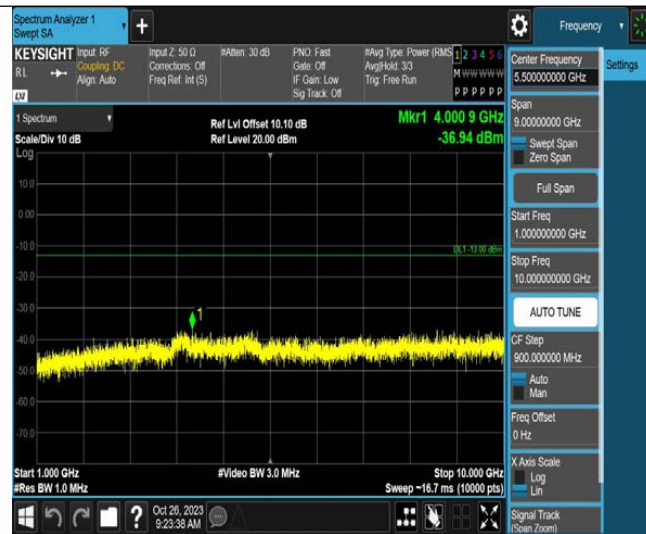
Band12-10MHz-16QAM-23060-50RB#0-Range2:1000~10000MHz



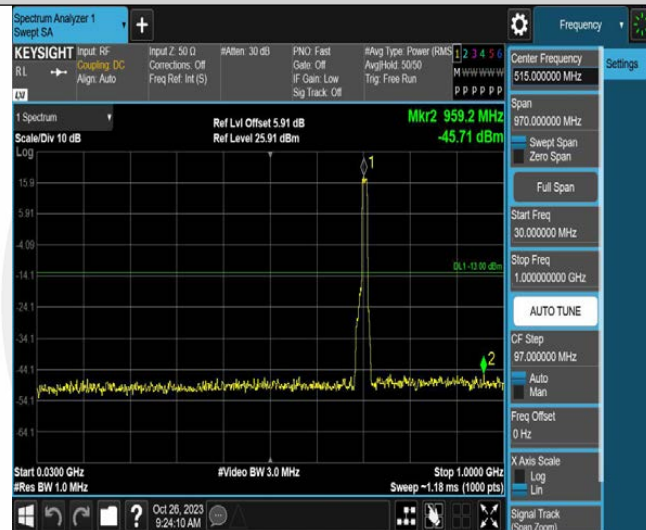
Band12-10MHz-16QAM-23095-50RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23095-50RB#0-Range2:1000~10000MHz



Band12-10MHz-16QAM-23130-50RB#0-Range1:30~1000MHz



Band12-10MHz-16QAM-23130-50RB#0-Range2:1000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	VL	NT	10.11	0.01444 9	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VN	NT	17.97	0.02568 2	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	VH	NT	8.81	0.01259 1	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VL	NT	13.36	0.01888 3	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VN	NT	10.96	0.01549 1	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	VH	NT	2.40	0.00339 2	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VL	NT	-6.18	-0.0086 40	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VN	NT	-9.41	-0.0131 55	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	VH	NT	-10.81	-0.01511 3	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VL	NT	-7.78	-0.01111 9	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VN	NT	-8.41	-0.0120 19	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	VH	NT	-10.63	-0.0151 92	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VL	NT	-4.09	-0.0057 81	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VN	NT	-0.82	-0.00115 9	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	VH	NT	-10.67	-0.0150 81	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VL	NT	-5.81	-0.0081 22	±2.5	PASS

Band12	1.4MHz	16QAM	23173	6RB#0	VN	NT	-3.43	-0.0047 95	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	VH	NT	-2.78	-0.0038 86	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VL	NT	-4.76	-0.0067 95	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VN	NT	7.01	0.01000 7	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	VH	NT	2.72	0.00388 3	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VL	NT	4.32	0.00610 6	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VN	NT	-4.55	-0.0064 31	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	VH	NT	-5.97	-0.0084 38	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VL	NT	-2.22	-0.0031 07	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VN	NT	3.79	0.00530 4	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	VH	NT	2.66	0.00372 3	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VL	NT	-2.86	-0.0040 83	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VN	NT	3.76	0.00536 8	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	VH	NT	3.00	0.00428 3	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VL	NT	3.66	0.00517 3	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VN	NT	-4.42	-0.0062 47	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	VH	NT	-3.35	-0.0047 35	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VL	NT	2.55	0.00356 9	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	VN	NT	7.25	0.01014	±2.5	PASS

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Band12	3MHz	16QAM	23165	15RB#0	VH	NT	1.57	0.00219 7	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VL	NT	-8.30	-0.01183 2	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VN	NT	-8.47	-0.0120 74	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	VH	NT	-7.48	-0.0106 63	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VL	NT	-2.49	-0.0035 19	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VN	NT	-3.12	-0.0044 10	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	VH	NT	-7.40	-0.0104 59	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VL	NT	-4.79	-0.0067 13	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VN	NT	-6.01	-0.0084 23	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	VH	NT	-1.67	-0.0023 41	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VL	NT	-1.04	-0.0014 83	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VN	NT	-1.92	-0.0027 37	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	VH	NT	-5.87	-0.0083 68	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VL	NT	-3.16	-0.0044 66	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VN	NT	-6.95	-0.0098 23	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	VH	NT	-7.15	-0.0101 06	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VL	NT	-6.27	-0.0087 88	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	VN	NT	-5.51	-0.0077 22	±2.5	PASS

Band12	5MHz	16QAM	23155	25RB#0	VH	NT	-4.63	-0.0064 89	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VL	NT	7.21	0.01024 1	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VN	NT	7.34	0.01042 6	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	VH	NT	7.00	0.00994 3	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VL	NT	-7.05	-0.0099 65	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VN	NT	-8.05	-0.01137 8	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	VH	NT	-4.84	-0.0068 41	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VL	NT	4.73	0.00665 3	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VN	NT	-5.44	-0.0076 51	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	VH	NT	-5.41	-0.0076 09	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VL	NT	3.40	0.00483 0	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VN	NT	3.66	0.00519 9	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	VH	NT	6.37	0.00904 8	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VL	NT	-3.73	-0.0052 72	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VN	NT	-2.37	-0.0033 50	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	VH	NT	-2.75	-0.0038 87	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VL	NT	-6.18	-0.0086 92	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VN	NT	3.62	0.00509 1	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	VH	NT	3.73	0.00524	±2.5	PASS

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Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-30	-3.99	-0.005702	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-20	-8.50	-0.012148	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	-10	-7.64	-0.010919	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	0	-9.70	-0.013863	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	10	-2.62	-0.003744	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	20	-9.64	-0.013777	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	30	-5.46	-0.007803	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	40	-4.53	-0.006474	±2.5	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	NV	50	-11.34	-0.016207	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-30	-8.44	-0.011929	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-20	-4.09	-0.005781	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	-10	-12.22	-0.017272	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	0	-5.36	-0.007576	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	10	-8.18	-0.011562	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	20	-2.98	-0.004212	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	30	-9.34	-0.013201	±2.5	PASS

Band12	1.4MHz	QPSK	23095	6RB#0	NV	40	-6.75	-0.0095 41	±2.5	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	NV	50	-5.88	-0.00831 1	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-30	-15.81	-0.0221 03	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-20	-23.23	-0.0324 76	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	-10	-24.89	-0.0347 97	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	0	-15.09	-0.0210 96	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	10	-8.38	-0.01171 5	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	20	-11.53	-0.01611 9	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	30	-5.22	-0.0072 98	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	40	-8.97	-0.0125 40	±2.5	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	NV	50	-1.70	-0.0023 77	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-30	-4.05	-0.0057 88	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-20	-4.99	-0.0071 32	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	-10	-6.45	-0.0092 18	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	0	-7.07	-0.0101 04	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	10	-6.95	-0.0099 33	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	20	-6.59	-0.0094 18	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	30	-7.85	-0.01121 9	±2.5	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	NV	40	-6.27	-0.0089	±2.5	PASS

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Band12	1.4MHz	16QAM	23017	6RB#0	NV	50	-6.22	-0.0088 90	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-30	-8.00	-0.01130 7	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-20	-4.48	-0.0063 32	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	-10	-7.47	-0.0105 58	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	0	-2.07	-0.0029 26	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	10	-3.65	-0.0051 59	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	20	-6.62	-0.0093 57	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	30	-6.11	-0.0086 36	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	40	2.85	0.00402 8	±2.5	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	NV	50	-3.22	-0.0045 51	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-30	-7.67	-0.0107 23	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-20	1.63	0.00227 9	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	-10	-2.17	-0.0030 34	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	0	-4.62	-0.0064 59	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	10	-4.73	-0.0066 13	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	20	-6.28	-0.0087 80	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	30	-3.28	-0.0045 85	±2.5	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	NV	40	2.27	0.00317 3	±2.5	PASS

Band12	1.4MHz	16QAM	23173	6RB#0	NV	50	-9.33	-0.0130 43	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-30	-2.62	-0.0037 40	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-20	8.61	0.01229 1	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	-10	-6.14	-0.0087 65	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	0	5.38	0.00768 0	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	10	-3.96	-0.0056 53	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	20	-3.65	-0.00521 1	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	30	2.19	0.00312 6	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	40	-6.07	-0.0086 65	±2.5	PASS
Band12	3MHz	QPSK	23025	15RB#0	NV	50	-3.32	-0.0047 39	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-30	-1.66	-0.0023 46	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-20	-7.78	-0.0109 96	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	-10	6.25	0.00883 4	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	0	-4.98	-0.0070 39	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	10	-4.79	-0.0067 70	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	20	-5.58	-0.0078 87	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	30	-6.84	-0.0096 68	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	40	1.34	0.00189 4	±2.5	PASS
Band12	3MHz	QPSK	23095	15RB#0	NV	50	-2.95	-0.0041	±2.5	PASS

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Band12	3MHz	QPSK	23165	15RB#0	NV	-30	3.88	0.00543 0	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-20	5.31	0.00743 2	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	-10	8.20	0.01147 7	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	0	8.78	0.01228 8	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	10	10.51	0.01471 0	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	20	1.46	0.00204 3	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	30	6.18	0.00864 9	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	40	2.12	0.00296 7	±2.5	PASS
Band12	3MHz	QPSK	23165	15RB#0	NV	50	8.07	0.01129 5	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-30	4.11	0.00586 7	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-20	4.42	0.00631 0	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	-10	6.07	0.00866 5	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	0	7.74	0.01104 9	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	10	-1.97	-0.0028 12	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	20	5.26	0.00750 9	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	30	7.30	0.01042 1	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	40	1.50	0.00214 1	±2.5	PASS
Band12	3MHz	16QAM	23025	15RB#0	NV	50	4.09	0.00583 9	±2.5	PASS

Band12	3MHz	16QAM	23095	15RB#0	NV	-30	-5.09	-0.0071 94	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-20	-5.42	-0.0076 61	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	-10	-3.62	-0.00511 7	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	0	-3.52	-0.0049 75	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	10	-2.56	-0.0036 18	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	20	-1.92	-0.0027 14	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	30	2.47	0.00349 1	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	40	3.48	0.00491 9	±2.5	PASS
Band12	3MHz	16QAM	23095	15RB#0	NV	50	-6.48	-0.0091 59	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-30	10.30	0.01441 6	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-20	9.46	0.01324 0	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	-10	8.40	0.01175 6	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	0	8.81	0.01233 0	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	10	9.51	0.01331 0	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	20	9.80	0.01371 6	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	30	11.30	0.01581 5	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	40	10.21	0.01429 0	±2.5	PASS
Band12	3MHz	16QAM	23165	15RB#0	NV	50	11.96	0.01673 9	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-30	2.72	0.00387	±2.5	PASS

								7		
Band12	5MHz	QPSK	23035	25RB#0	NV	-20	-5.24	-0.0074 70	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	-10	-2.56	-0.0036 49	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	0	-6.31	-0.0089 95	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	10	-4.75	-0.0067 71	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	20	-9.80	-0.0139 70	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	30	-4.82	-0.0068 71	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	40	1.77	0.00252 3	±2.5	PASS
Band12	5MHz	QPSK	23035	25RB#0	NV	50	-5.92	-0.0084 39	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-30	-2.89	-0.0040 85	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-20	-3.32	-0.0046 93	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	-10	-4.12	-0.0058 23	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	0	-6.19	-0.0087 49	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	10	2.92	0.00412 7	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	20	-3.73	-0.0052 72	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	30	1.97	0.00278 4	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	40	-7.61	-0.0107 56	±2.5	PASS
Band12	5MHz	QPSK	23095	25RB#0	NV	50	-2.19	-0.0030 95	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-30	-6.09	-0.0085 35	±2.5	PASS

Band12	5MHz	QPSK	23155	25RB#0	NV	-20	-3.20	-0.0044 85	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	-10	-2.29	-0.0032 10	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	0	-7.75	-0.0108 62	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	10	-8.33	-0.01167 5	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	20	-4.82	-0.0067 55	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	30	-3.18	-0.0044 57	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	40	-1.17	-0.0016 40	±2.5	PASS
Band12	5MHz	QPSK	23155	25RB#0	NV	50	-7.17	-0.0100 49	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-30	-3.13	-0.0044 62	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-20	-6.90	-0.0098 36	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	-10	-3.29	-0.0046 90	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	0	-7.71	-0.0109 91	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	10	-4.29	-0.00611 5	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	20	-6.84	-0.0097 51	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	30	2.98	0.00424 8	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	40	-1.24	-0.0017 68	±2.5	PASS
Band12	5MHz	16QAM	23035	25RB#0	NV	50	-4.31	-0.0061 44	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-30	-8.34	-0.01178 8	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	-20	-8.28	-0.01170	±2.5	PASS

								3		
Band12	5MHz	16QAM	23095	25RB#0	NV	-10	1.80	0.00254 4	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	0	-1.54	-0.0021 77	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	10	1.90	0.00268 6	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	20	-8.21	-0.01160 4	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	30	-7.51	-0.0106 15	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	40	-8.47	-0.01197 2	±2.5	PASS
Band12	5MHz	16QAM	23095	25RB#0	NV	50	-7.47	-0.0105 58	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-30	1.40	0.00196 2	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-20	-8.85	-0.0124 04	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	-10	-6.29	-0.0088 16	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	0	-3.76	-0.0052 70	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	10	-9.41	-0.0131 89	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	20	-4.39	-0.0061 53	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	30	2.47	0.00346 2	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	40	-3.76	-0.0052 70	±2.5	PASS
Band12	5MHz	16QAM	23155	25RB#0	NV	50	-9.43	-0.0132 17	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-30	8.81	0.01251 4	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	-20	5.79	0.00822 4	±2.5	PASS

Band12	10MHz	QPSK	23060	50RB#0	NV	-10	-1.53	-0.0021 73	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	0	4.46	0.00633 5	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	10	8.03	0.01140 6	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	20	4.43	0.00629 3	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	30	4.32	0.00613 6	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	40	9.43	0.01339 5	±2.5	PASS
Band12	10MHz	QPSK	23060	50RB#0	NV	50	0.93	0.00132 1	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-30	-5.68	-0.0080 28	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-20	-4.29	-0.0060 64	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	-10	-2.17	-0.0030 67	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	0	-4.92	-0.0069 54	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	10	-7.42	-0.0104 88	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	20	-8.54	-0.0120 71	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	30	-6.27	-0.0088 62	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	40	-4.33	-0.0061 20	±2.5	PASS
Band12	10MHz	QPSK	23095	50RB#0	NV	50	-3.45	-0.0048 76	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-30	-4.52	-0.0063 57	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-20	-6.72	-0.0094 51	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	-10	-3.81	-0.0053	±2.5	PASS

								59		
Band12	10MHz	QPSK	23130	50RB#0	NV	0	-2.20	-0.0030 94	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	10	1.67	0.00234 9	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	20	2.07	0.00291 1	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	30	-2.98	-0.0041 91	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	40	3.75	0.00527 4	±2.5	PASS
Band12	10MHz	QPSK	23130	50RB#0	NV	50	-6.11	-0.0085 94	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-30	7.44	0.01056 8	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-20	6.27	0.00890 6	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	-10	5.69	0.00808 2	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	0	-2.22	-0.0031 53	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	10	1.62	0.00230 1	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	20	5.94	0.00843 8	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	30	6.38	0.00906 3	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	40	6.39	0.00907 7	±2.5	PASS
Band12	10MHz	16QAM	23060	50RB#0	NV	50	-1.60	-0.0022 73	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-30	-8.37	-0.01183 0	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-20	-7.28	-0.0102 90	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	-10	-4.86	-0.0068 69	±2.5	PASS

Band12	10MHz	16QAM	23095	50RB#0	NV	0	-8.25	-0.01166 1	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	10	-8.88	-0.0125 51	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	20	-2.17	-0.0030 67	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	30	-6.95	-0.0098 23	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	40	2.37	0.00335 0	±2.5	PASS
Band12	10MHz	16QAM	23095	50RB#0	NV	50	-3.32	-0.0046 93	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-30	1.63	0.00229 3	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-20	-4.42	-0.0062 17	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	-10	-5.99	-0.0084 25	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	0	-4.71	-0.0066 24	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	10	-3.38	-0.0047 54	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	20	-6.15	-0.0086 50	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	30	-2.42	-0.0034 04	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	40	1.76	0.00247 5	±2.5	PASS
Band12	10MHz	16QAM	23130	50RB#0	NV	50	-4.45	-0.0062 59	±2.5	PASS

Appendix A: Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band12	1.4MHz	64QAM	23017	1RB#0	23.49	PASS
Band12	1.4MHz	64QAM	23017	1RB#2	23.53	PASS
Band12	1.4MHz	64QAM	23017	1RB#5	23.45	PASS
Band12	1.4MHz	64QAM	23017	3RB#0	23.41	PASS
Band12	1.4MHz	64QAM	23017	3RB#1	23.44	PASS
Band12	1.4MHz	64QAM	23017	3RB#3	23.40	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	22.43	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	23.46	PASS
Band12	1.4MHz	64QAM	23095	1RB#2	23.49	PASS
Band12	1.4MHz	64QAM	23095	1RB#5	23.41	PASS
Band12	1.4MHz	64QAM	23095	3RB#0	23.50	PASS
Band12	1.4MHz	64QAM	23095	3RB#1	23.48	PASS
Band12	1.4MHz	64QAM	23095	3RB#3	23.50	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	22.44	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	23.60	PASS
Band12	1.4MHz	64QAM	23173	1RB#2	23.57	PASS
Band12	1.4MHz	64QAM	23173	1RB#5	23.49	PASS
Band12	1.4MHz	64QAM	23173	3RB#0	23.59	PASS
Band12	1.4MHz	64QAM	23173	3RB#1	23.60	PASS
Band12	1.4MHz	64QAM	23173	3RB#3	23.52	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	22.52	PASS
Band12	3MHz	64QAM	23025	1RB#0	23.58	PASS
Band12	3MHz	64QAM	23025	1RB#8	23.65	PASS
Band12	3MHz	64QAM	23025	1RB#14	23.48	PASS
Band12	3MHz	64QAM	23025	8RB#0	22.57	PASS
Band12	3MHz	64QAM	23025	8RB#4	22.57	PASS
Band12	3MHz	64QAM	23025	8RB#7	22.61	PASS
Band12	3MHz	64QAM	23025	15RB#0	22.65	PASS
Band12	3MHz	64QAM	23095	1RB#0	23.68	PASS
Band12	3MHz	64QAM	23095	1RB#8	23.51	PASS
Band12	3MHz	64QAM	23095	1RB#14	23.51	PASS
Band12	3MHz	64QAM	23095	8RB#0	22.59	PASS
Band12	3MHz	64QAM	23095	8RB#4	22.58	PASS

Band12	3MHz	64QAM	23095	8RB#7	22.56	PASS
Band12	3MHz	64QAM	23095	15RB#0	22.59	PASS
Band12	3MHz	64QAM	23165	1RB#0	23.47	PASS
Band12	3MHz	64QAM	23165	1RB#8	23.64	PASS
Band12	3MHz	64QAM	23165	1RB#14	23.53	PASS
Band12	3MHz	64QAM	23165	8RB#0	22.75	PASS
Band12	3MHz	64QAM	23165	8RB#4	22.73	PASS
Band12	3MHz	64QAM	23165	8RB#7	22.71	PASS
Band12	3MHz	64QAM	23165	15RB#0	22.78	PASS
Band12	5MHz	64QAM	23035	1RB#0	23.58	PASS
Band12	5MHz	64QAM	23035	1RB#12	23.65	PASS
Band12	5MHz	64QAM	23035	1RB#24	23.58	PASS
Band12	5MHz	64QAM	23035	12RB#0	22.61	PASS
Band12	5MHz	64QAM	23035	12RB#6	22.63	PASS
Band12	5MHz	64QAM	23035	12RB#13	22.67	PASS
Band12	5MHz	64QAM	23035	25RB#0	22.67	PASS
Band12	5MHz	64QAM	23095	1RB#0	23.73	PASS
Band12	5MHz	64QAM	23095	1RB#12	23.63	PASS
Band12	5MHz	64QAM	23095	1RB#24	23.58	PASS
Band12	5MHz	64QAM	23095	12RB#0	22.69	PASS
Band12	5MHz	64QAM	23095	12RB#6	22.70	PASS
Band12	5MHz	64QAM	23095	12RB#13	22.56	PASS
Band12	5MHz	64QAM	23095	25RB#0	22.61	PASS
Band12	5MHz	64QAM	23155	1RB#0	23.67	PASS
Band12	5MHz	64QAM	23155	1RB#12	23.66	PASS
Band12	5MHz	64QAM	23155	1RB#24	23.61	PASS
Band12	5MHz	64QAM	23155	12RB#0	22.64	PASS
Band12	5MHz	64QAM	23155	12RB#6	22.64	PASS
Band12	5MHz	64QAM	23155	12RB#13	22.68	PASS
Band12	5MHz	64QAM	23155	25RB#0	22.59	PASS
Band12	10MHz	64QAM	23060	1RB#0	23.48	PASS
Band12	10MHz	64QAM	23060	1RB#24	23.61	PASS
Band12	10MHz	64QAM	23060	1RB#49	23.45	PASS
Band12	10MHz	64QAM	23060	25RB#0	22.72	PASS
Band12	10MHz	64QAM	23060	25RB#12	22.77	PASS
Band12	10MHz	64QAM	23060	25RB#25	22.92	PASS
Band12	10MHz	64QAM	23060	50RB#0	22.67	PASS

Band12	10MHz	64QAM	23095	1RB#0	23.66	PASS
Band12	10MHz	64QAM	23095	1RB#24	23.46	PASS
Band12	10MHz	64QAM	23095	1RB#49	23.46	PASS
Band12	10MHz	64QAM	23095	25RB#0	22.75	PASS
Band12	10MHz	64QAM	23095	25RB#12	22.79	PASS
Band12	10MHz	64QAM	23095	25RB#25	22.64	PASS
Band12	10MHz	64QAM	23095	50RB#0	22.71	PASS
Band12	10MHz	64QAM	23130	1RB#0	23.61	PASS
Band12	10MHz	64QAM	23130	1RB#24	23.67	PASS
Band12	10MHz	64QAM	23130	1RB#49	23.54	PASS
Band12	10MHz	64QAM	23130	25RB#0	22.59	PASS
Band12	10MHz	64QAM	23130	25RB#12	22.58	PASS
Band12	10MHz	64QAM	23130	25RB#25	22.61	PASS
Band12	10MHz	64QAM	23130	50RB#0	22.68	PASS

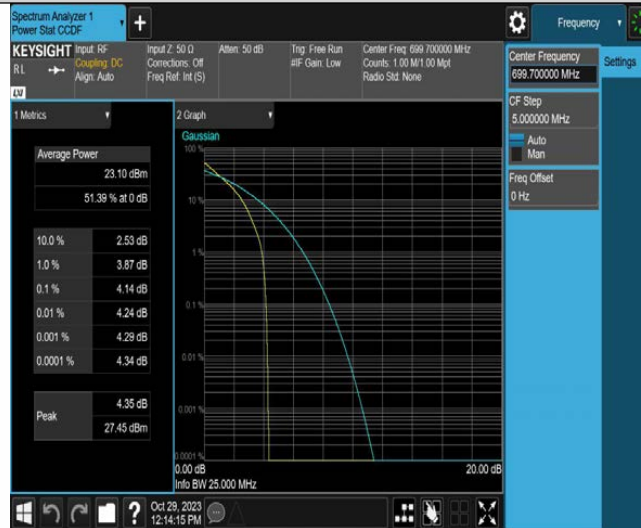
Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

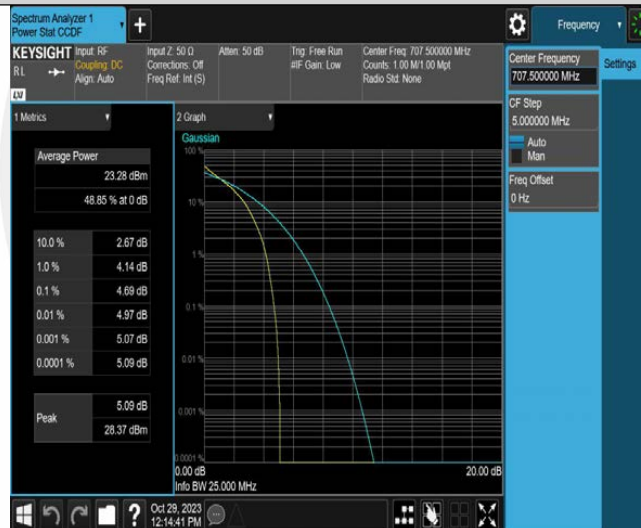
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	64QAM	23017	6RB#0	4.14	13	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	4.69	13	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	4.59	13	PASS
Band12	3MHz	64QAM	23025	15RB#0	4.08	13	PASS
Band12	3MHz	64QAM	23095	15RB#0	4.62	13	PASS
Band12	3MHz	64QAM	23165	15RB#0	4.19	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	4.45	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	4.85	13	PASS
Band12	10MHz	64QAM	23130	50RB#0	4.88	13	PASS

Test Graphs

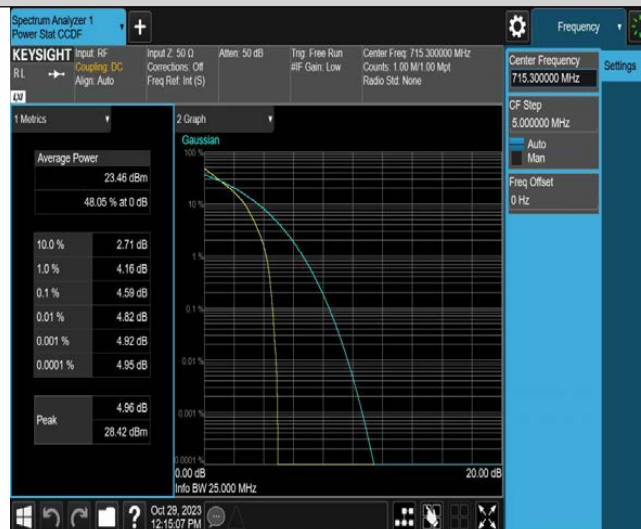
Band12-1.4MHz-64QAM-23017-6RB#0



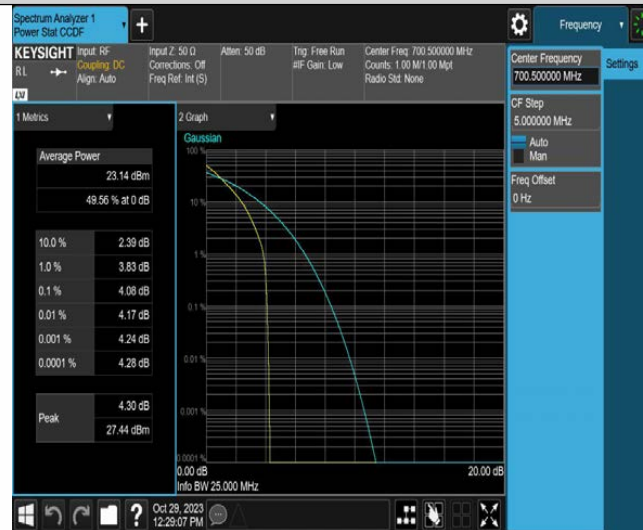
Band12-1.4MHz-64QAM-23095-6RB#0



Band12-1.4MHz-64QAM-23173-6RB#0



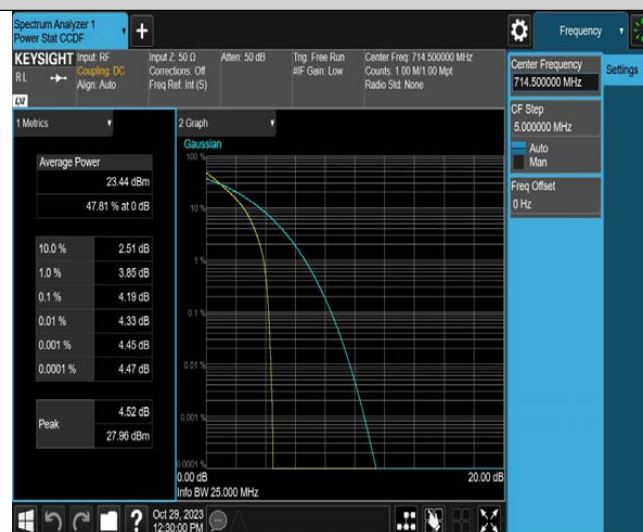
Band12-3MHz-64QAM-23025-15RB#0



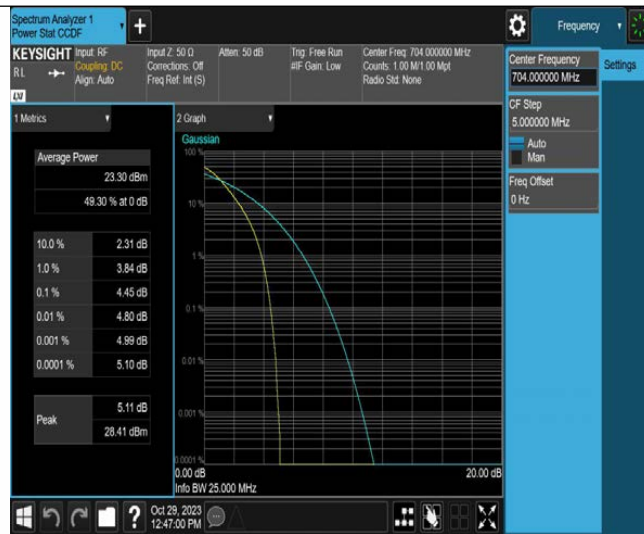
Band12-3MHz-64QAM-23095-15RB#0



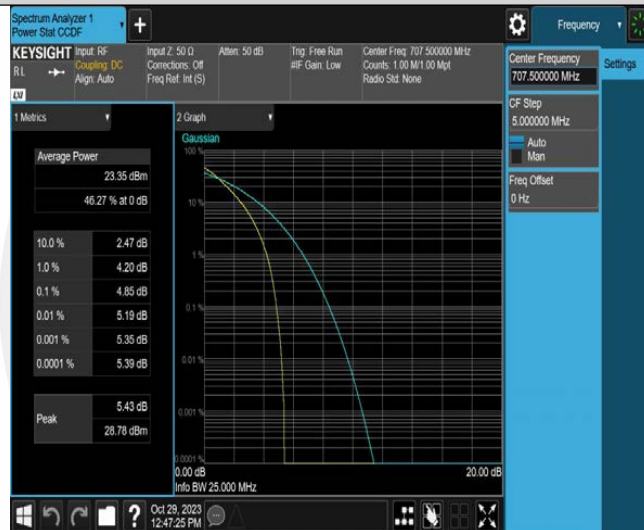
Band12-3MHz-64QAM-23165-15RB#0



Band12-10MHz-64QAM-23060-50RB#0



Band12-10MHz-64QAM-23095-50RB#0



Band12-10MHz-64QAM-23130-50RB#0



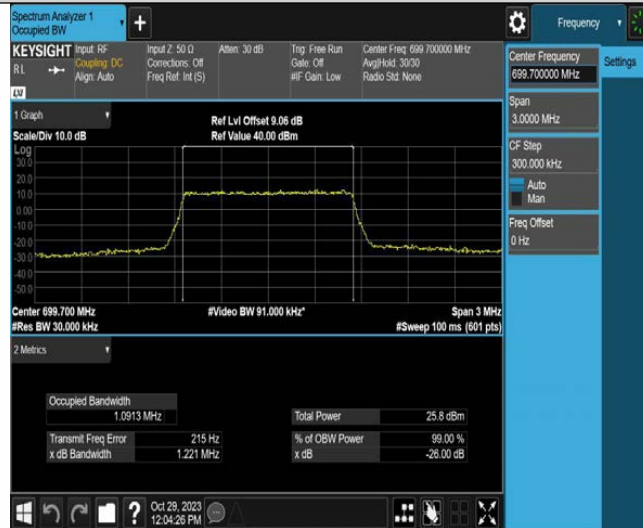
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Test Result

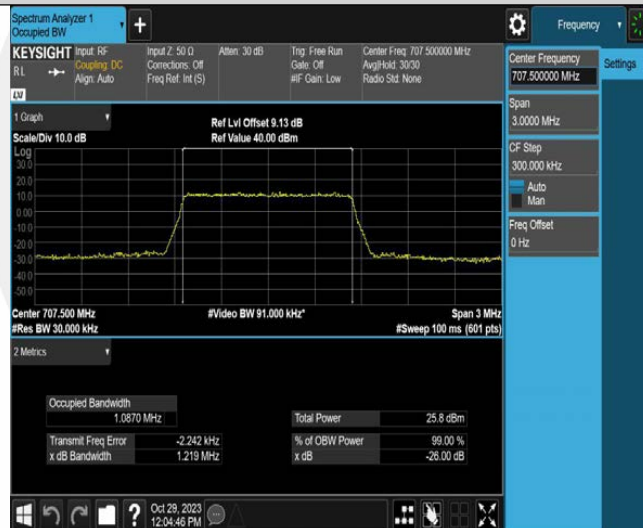
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band12	1.4MHz	64QAM	23017	6RB#0	1.0913	1.221	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	1.0870	1.219	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	1.0890	1.207	PASS
Band12	3MHz	64QAM	23025	15RB#0	2.6881	2.923	PASS
Band12	3MHz	64QAM	23095	15RB#0	2.6994	2.929	PASS
Band12	3MHz	64QAM	23165	15RB#0	2.6887	2.910	PASS
Band12	10MHz	64QAM	23060	50RB#0	8.9175	9.484	PASS
Band12	10MHz	64QAM	23095	50RB#0	8.9959	9.517	PASS
Band12	10MHz	64QAM	23130	50RB#0	8.9685	9.498	PASS

Test Graphs

Band12-1.4MHz-64QAM-23017-6RB#0



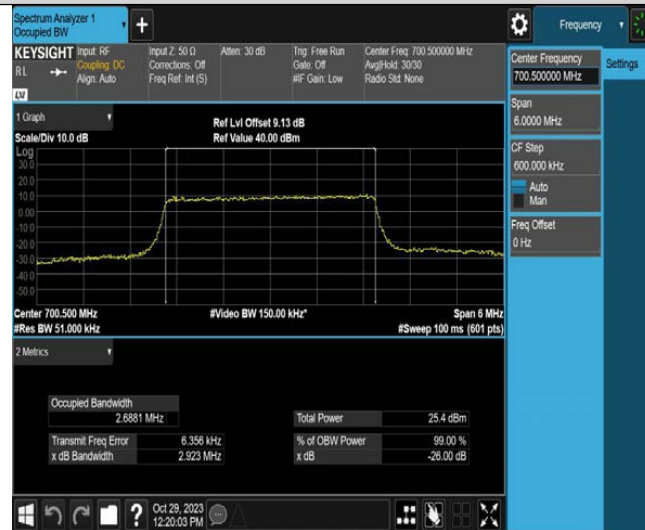
Band12-1.4MHz-64QAM-23095-6RB#0



Band12-1.4MHz-64QAM-23173-6RB#0



Band12-3MHz-64QAM-23025-15RB#0



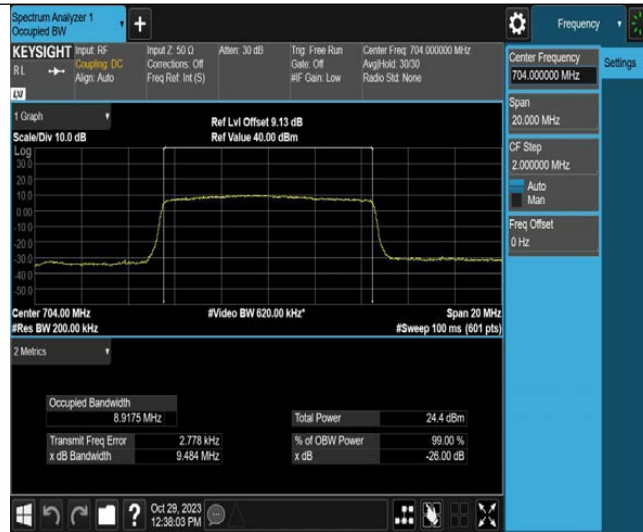
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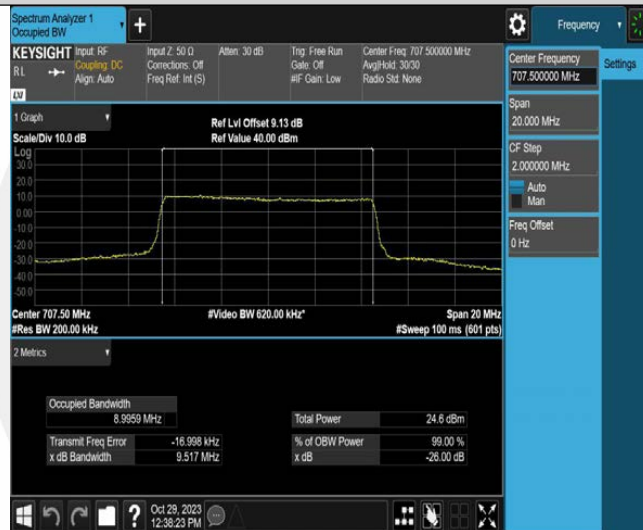
Band12-3MHz-64QAM-23165-15RB#0



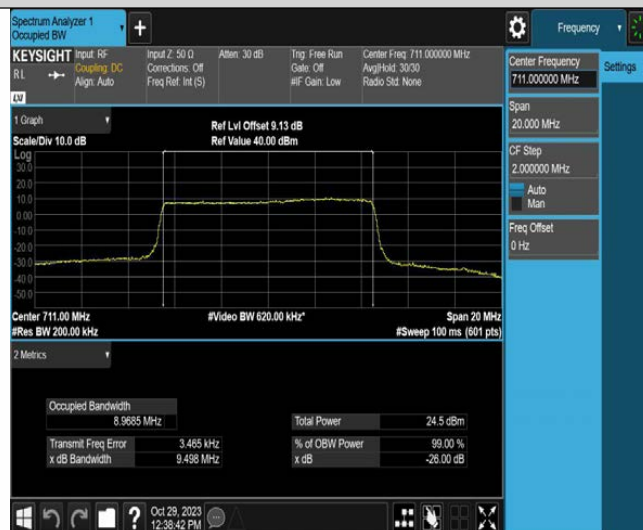
Band12-10MHz-64QAM-23060-50RB#0



Band12-10MHz-64QAM-23095-50RB#0



Band12-10MHz-64QAM-23130-50RB#0



Appendix D: Band Edge

Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	Verdict
Band12	1.4MHz	64QAM	23017	6RB#0	-28.28,-27.82	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	-31.54,-32.08	PASS
Band12	3MHz	64QAM	23025	15RB#0	-28.67,-23.30	PASS
Band12	3MHz	64QAM	23165	15RB#0	-24.33,-30.14	PASS
Band12	10MHz	64QAM	23060	50RB#0	-32.34,-29.71	PASS
Band12	10MHz	64QAM	23130	50RB#0	-28.45,-30.47	PASS



Test Graphs

Band12-1.4MHz-64QAM-23017-6RB#0



Band12-1.4MHz-64QAM-23173-6RB#0



Band12-3MHz-64QAM-23025-15RB#0



Band12-3MHz-64QAM-23165-15RB#0



Band12-10MHz-64QAM-23060-50RB#0



Band12-10MHz-64QAM-23130-50RB#0



Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band12	1.4MHz	64QAM	23017	6RB#0	Range1:30~1000MHz	-45.39	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	Range2:1000~10000MHz	-35.47	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	Range1:30~1000MHz	-43.78	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	Range2:1000~10000MHz	-35.38	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	Range1:30~1000MHz	-44.82	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	Range2:1000~10000MHz	-35.01	PASS
Band12	3MHz	64QAM	23025	15RB#0	Range1:30~1000MHz	-44.67	PASS
Band12	3MHz	64QAM	23025	15RB#0	Range2:1000~10000MHz	-34.7	PASS
Band12	3MHz	64QAM	23095	15RB#0	Range1:30~1000MHz	-46.01	PASS
Band12	3MHz	64QAM	23095	15RB#0	Range2:1000~10000MHz	-35.67	PASS
Band12	3MHz	64QAM	23165	15RB#0	Range1:30~1000MHz	-44.95	PASS
Band12	3MHz	64QAM	23165	15RB#0	Range2:1000~10000MHz	-36.03	PASS
Band12	10MHz	64QAM	23060	50RB#0	Range1:30~1000MHz	-45.59	PASS
Band12	10MHz	64QAM	23060	50RB#0	Range2:1000~10000MHz	-35.73	PASS
Band12	10MHz	64QAM	23095	50RB#0	Range1:30~1000MHz	-45.4	PASS
Band12	10MHz	64QAM	23095	50RB#0	Range2:1000~10000MHz	-35.39	PASS
Band12	10MHz	64QAM	23130	50RB#0	Range1:30~1000MHz	-45.33	PASS

					00MHz		
Band12	10MHz	64QAM	23130	50RB#0	Range2:1000~10000MHz	-35.06	PASS



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Test Graphs

Band12-1.4MHz-64QAM-23017-6RB#0-Range1:30~1000MHz



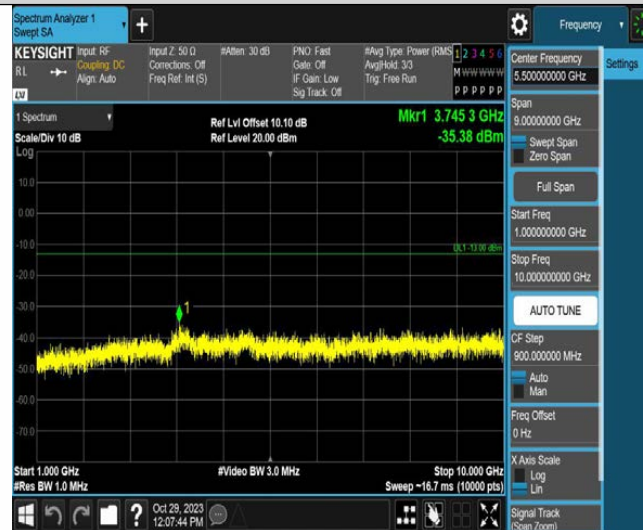
Band12-1.4MHz-64QAM-23017-6RB#0-Range2:1000~10000MHz



Band12-1.4MHz-64QAM-23095-6RB#0-Range1:30~1000MHz



Band12-1.4MHz-64QAM-23095-6RB#0-Range2:1000~10000MHz



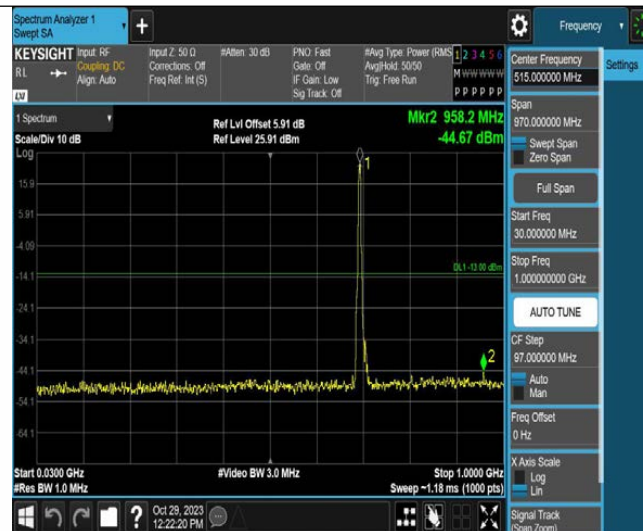
Band12-1.4MHz-64QAM-23173-6RB#0-Range1:30~1000MHz



Band12-1.4MHz-64QAM-23173-6RB#0-Range2:1000~10000MHz



Band12-3MHz-64QAM-23025-15RB#0-Range1:30~1000MHz



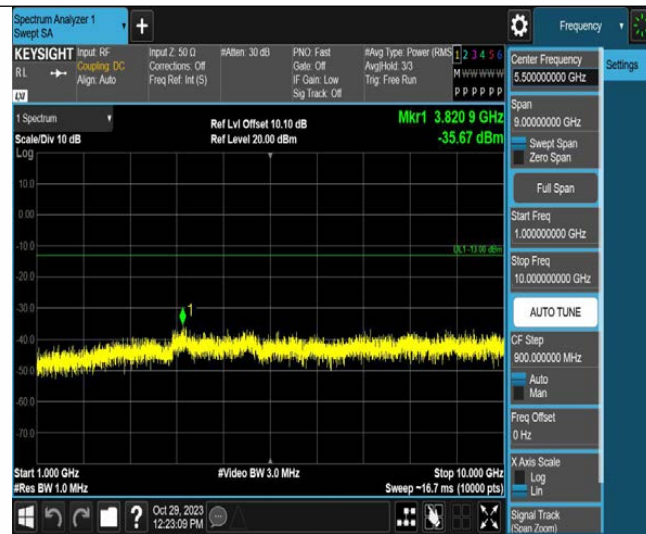
Band12-3MHz-64QAM-23025-15RB#0-Range2:1000~10000MHz



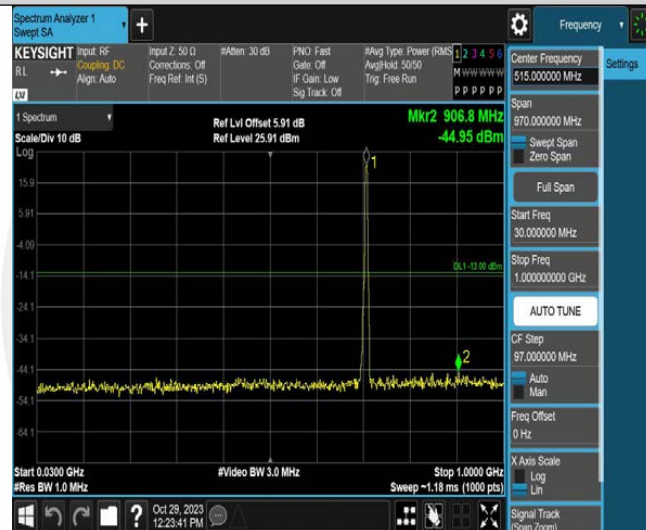
Band12-3MHz-64QAM-23095-15RB#0-Range1:30~1000MHz



Band12-3MHz-64QAM-23095-15RB#0-Range2:1000~10000MHz



Band12-3MHz-64QAM-23165-15RB#0-Range1:30~1000MHz



Band12-3MHz-64QAM-23165-15RB#0-Range2:1000~10000MHz



Band12-10MHz-64QAM-23060-50RB#0-Range1:30~1000MHz



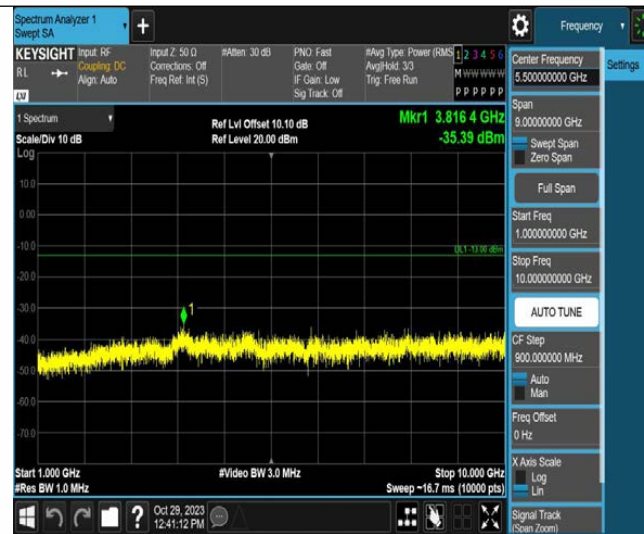
Band12-10MHz-64QAM-23060-50RB#0-Range2:1000~10000MHz



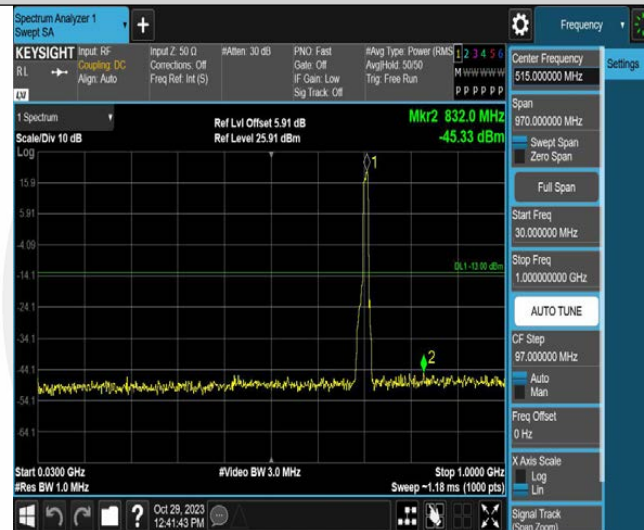
Band12-10MHz-64QAM-23095-50RB#0-Range1:30~1000MHz



Band12-10MHz-64QAM-23095-50RB#0-Range2:1000~10000MHz



Band12-10MHz-64QAM-23130-50RB#0-Range1:30~1000MHz



Band12-10MHz-64QAM-23130-50RB#0-Range2:1000~10000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	64QAM	23017	6RB#0	VL	NT	5.39	0.007703	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	VN	NT	14.42	0.020609	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	VH	NT	-1.60	-0.002287	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	VL	NT	-5.36	-0.007576	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	VN	NT	-5.81	-0.008212	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	VH	NT	-1.93	-0.002728	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	VL	NT	-22.52	-0.031483	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	VN	NT	-18.74	-0.026199	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	VH	NT	-21.47	-0.030015	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	VL	NT	-2.33	-0.003326	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	VN	NT	4.33	0.006181	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	VH	NT	2.06	0.002941	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	VL	NT	-5.61	-0.007929	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	VN	NT	-7.57	-0.010700	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	VH	NT	-3.03	-0.004283	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	VL	NT	7.42	0.010385	±2.5	PASS

Band12	3MHz	64QAM	23165	15RB#0	VN	NT	7.54	0.01055 3	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	VH	NT	3.96	0.00554 2	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VL	NT	6.57	0.00933 2	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VN	NT	8.08	0.01147 7	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	VH	NT	7.04	0.01000 0	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VL	NT	-7.74	-0.0109 40	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VN	NT	-8.55	-0.0120 85	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	VH	NT	-9.48	-0.0133 99	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VL	NT	-3.50	-0.0049 23	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VN	NT	-5.89	-0.0082 84	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	VH	NT	-2.55	-0.0035 86	±2.5	PASS

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band12	1.4MHz	64QAM	23017	6RB#0	NV	-30	-6.17	-0.0088 18	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	-20	-7.67	-0.0109 62	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	-10	-2.26	-0.0032 30	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	0	-8.77	-0.0125 34	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	10	-7.22	-0.0103 19	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	20	-6.11	-0.0087 32	±2.5	PASS

Band12	1.4MHz	64QAM	23017	6RB#0	NV	30	-1.43	-0.0020 44	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	40	-5.97	-0.0085 32	±2.5	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	NV	50	1.07	0.00152 9	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	-30	-8.18	-0.01156 2	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	-20	-6.27	-0.0088 62	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	-10	-9.31	-0.0131 59	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	0	-3.71	-0.0052 44	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	10	-8.53	-0.0120 57	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	20	-7.65	-0.0108 13	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	30	-8.75	-0.0123 67	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	40	-8.84	-0.0124 95	±2.5	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	NV	50	-2.59	-0.0036 61	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	-30	-17.19	-0.0240 32	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	-20	-10.37	-0.0144 97	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	-10	-6.49	-0.0090 73	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	0	-9.74	-0.0136 17	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	10	-6.88	-0.0096 18	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	20	-4.15	-0.0058 02	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	30	-9.68	-0.0135	±2.5	PASS

								33		
Band12	1.4MHz	64QAM	23173	6RB#0	NV	40	-10.04	-0.0140 36	±2.5	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	NV	50	-8.75	-0.0122 33	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	NV	-30	2.43	0.00346 9	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	NV	-20	-4.39	-0.0062 67	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	NV	-10	-1.24	-0.0017 70	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	NV	0	-1.83	-0.0026 12	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	NV	10	-2.68	-0.0038 26	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	NV	20	5.66	0.00808 0	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	NV	30	-1.73	-0.0024 70	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	NV	40	6.61	0.00943 6	±2.5	PASS
Band12	3MHz	64QAM	23025	15RB#0	NV	50	-2.33	-0.0033 26	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	NV	-30	2.55	0.00360 4	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	NV	-20	-3.52	-0.0049 75	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	NV	-10	-3.15	-0.0044 52	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	NV	0	-2.02	-0.0028 55	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	NV	10	-5.09	-0.0071 94	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	NV	20	3.26	0.00460 8	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	NV	30	-4.65	-0.0065 72	±2.5	PASS

Band12	3MHz	64QAM	23095	15RB#0	NV	40	-1.02	-0.0014 42	±2.5	PASS
Band12	3MHz	64QAM	23095	15RB#0	NV	50	-1.83	-0.0025 87	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	NV	-30	4.56	0.00638 2	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	NV	-20	11.43	0.01599 7	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	NV	-10	2.10	0.00293 9	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	NV	0	8.51	0.01191 0	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	NV	10	9.38	0.01312 8	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	NV	20	8.48	0.01186 8	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	NV	30	8.13	0.01137 9	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	NV	40	2.16	0.00302 3	±2.5	PASS
Band12	3MHz	64QAM	23165	15RB#0	NV	50	5.61	0.00785 2	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-30	8.85	0.01257 1	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-20	6.24	0.00886 4	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	-10	1.92	0.00272 7	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	0	3.92	0.00556 8	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	10	5.45	0.00774 1	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	20	6.64	0.00943 2	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	30	6.31	0.00896 3	±2.5	PASS
Band12	10MHz	64QAM	23060	50RB#0	NV	40	5.44	0.00772	±2.5	PASS

								7		
Band12	10MHz	64QAM	23060	50RB#0	NV	50	2.49	0.00353 7	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-30	-7.61	-0.0107 56	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-20	-7.30	-0.0103 18	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	-10	-1.80	-0.0025 44	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	0	-7.45	-0.0105 30	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	10	-6.21	-0.0087 77	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	20	-6.51	-0.0092 01	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	30	-10.26	-0.0145 02	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	40	-3.06	-0.0043 25	±2.5	PASS
Band12	10MHz	64QAM	23095	50RB#0	NV	50	-6.59	-0.0093 14	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-30	-2.39	-0.0033 61	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-20	4.42	0.00621 7	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	-10	1.62	0.00227 8	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	0	-3.88	-0.0054 57	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	10	3.60	0.00506 3	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	20	-2.12	-0.0029 82	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	30	2.23	0.00313 6	±2.5	PASS
Band12	10MHz	64QAM	23130	50RB#0	NV	40	4.43	0.00623 1	±2.5	PASS

Band12	10MHz	64QAM	23130	50RB#0	NV	50	5.18	0.00728 6	±2.5	PASS
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