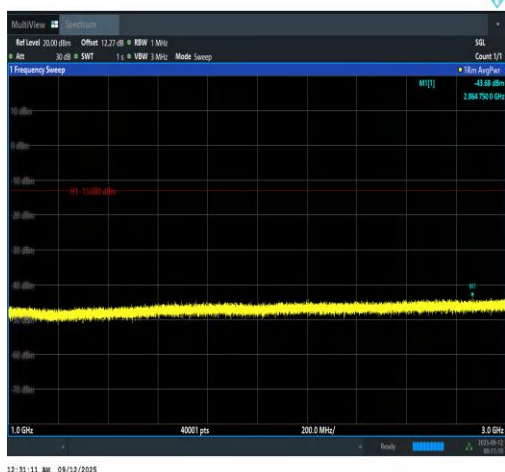




Band13-5MHz-16QAM-23255-1RB#0-1000~300
0-PASS



Band13-5MHz-16QAM-23255-1RB#0-3000~100
00-PASS



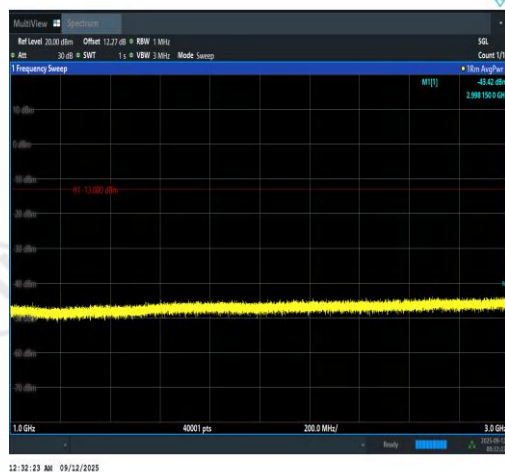
Band13-5MHz-16QAM-23255-1RB#24-0.009~0.
15-PASS



Band13-5MHz-16QAM-23255-1RB#24-0.15~30-
PASS



Band13-5MHz-16QAM-23255-1RB#24-30~1000-
PASS



Band13-5MHz-16QAM-23255-1RB#24-1000~30
00-PASS



Band13-5MHz-16QAM-23255-1RB#24-3000~10000-PASS



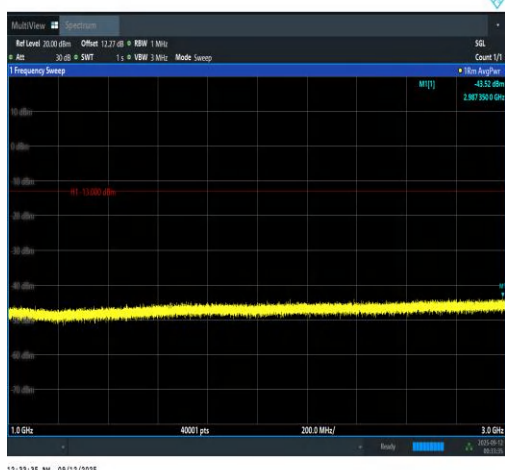
Band13-5MHz-16QAM-23255-25RB#0-0.009~0.15-PASS



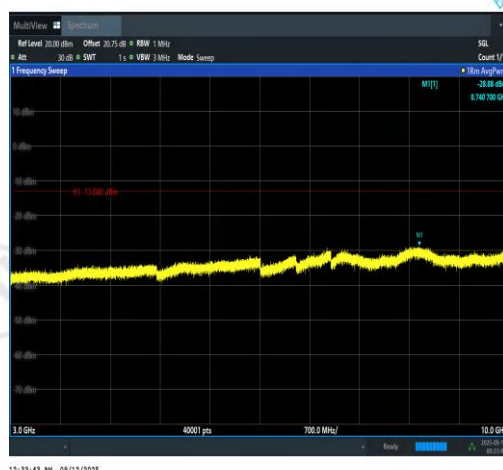
Band13-5MHz-16QAM-23255-25RB#0-0.15~30-PASS



Band13-5MHz-16QAM-23255-25RB#0-30~1000-PASS



Band13-5MHz-16QAM-23255-25RB#0-1000~3000-PASS



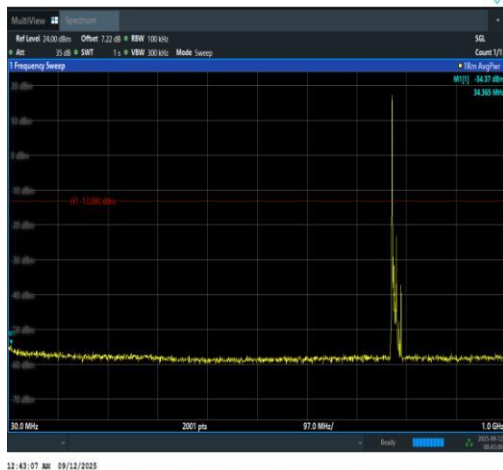
Band13-5MHz-16QAM-23255-25RB#0-3000~10000-PASS



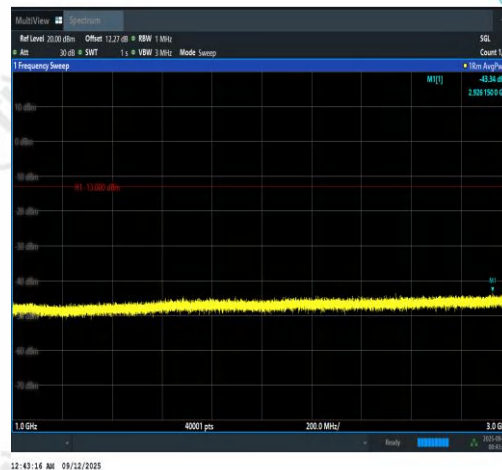
Band13-10MHz-QPSK-23230-1RB#0-0.009~0.1
5-PASS



Band13-10MHz-QPSK-23230-1RB#0-0.15~30-P
ASS



Band13-10MHz-QPSK-23230-1RB#0-30~1000-P
ASS



Band13-10MHz-QPSK-23230-1RB#0-1000~300
0-PASS



Band13-10MHz-QPSK-23230-1RB#0-3000~100
00-PASS



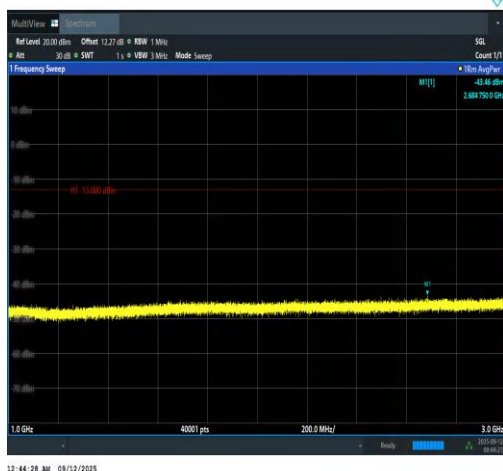
Band13-10MHz-QPSK-23230-1RB#49-0.009~0.
15-PASS



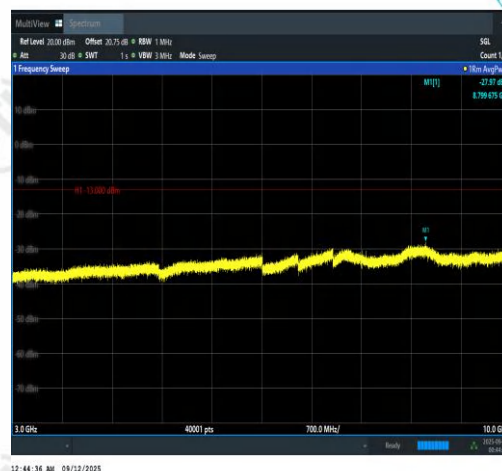
Band13-10MHz-QPSK-23230-1RB#49-0.15~30-
PASS



Band13-10MHz-QPSK-23230-1RB#49-30~1000-
PASS



Band13-10MHz-QPSK-23230-1RB#49-1000~30
00-PASS



Band13-10MHz-QPSK-23230-1RB#49-3000~10
000-PASS



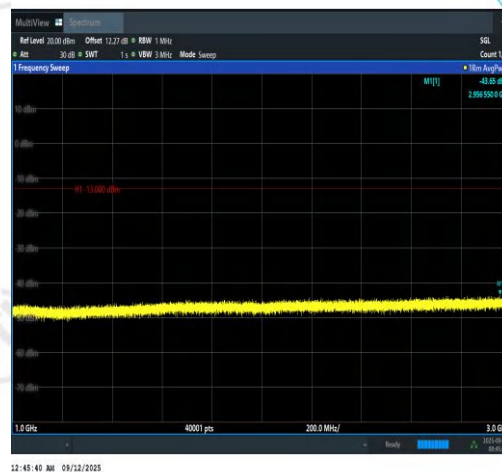
Band13-10MHz-QPSK-23230-50RB#0-0.009~0.
15-PASS



Band13-10MHz-QPSK-23230-50RB#0-0.15~30-
PASS



Band13-10MHz-QPSK-23230-50RB#0-30~1000-PASS



Band13-10MHz-QPSK-23230-50RB#0-1000~3000-PASS



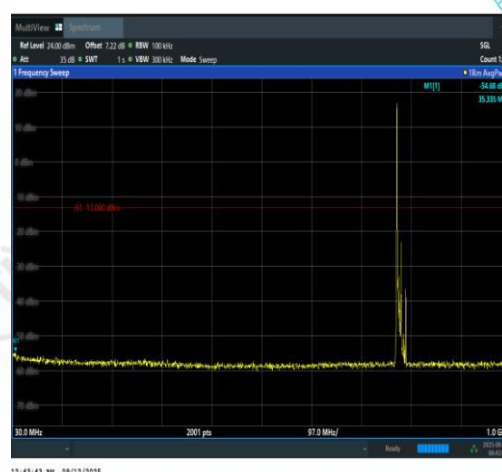
Band13-10MHz-QPSK-23230-50RB#0-3000~10000-PASS



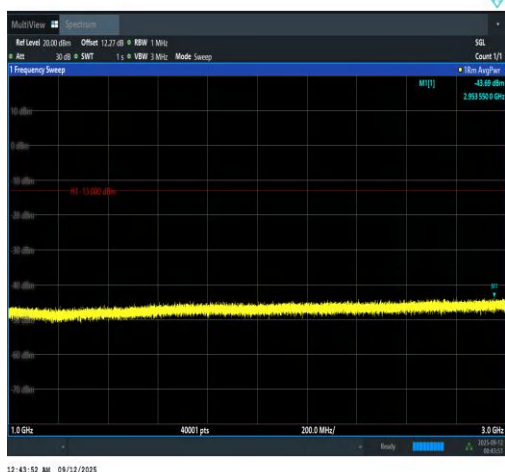
Band13-10MHz-16QAM-23230-1RB#0-0.009~0.015-PASS



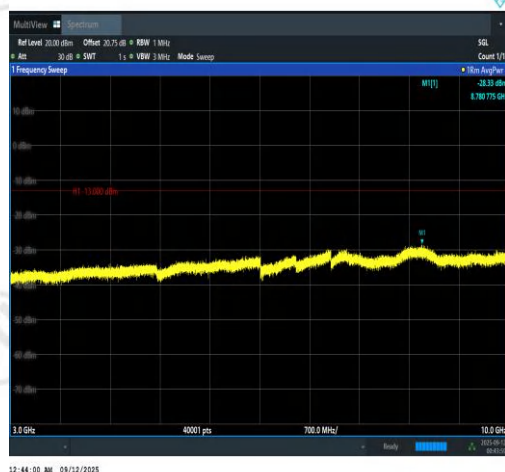
Band13-10MHz-16QAM-23230-1RB#0-0.15~0.30-PASS



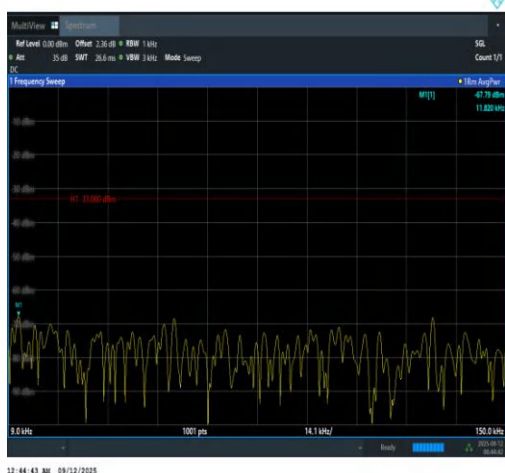
Band13-10MHz-16QAM-23230-1RB#0-30~1000-PASS



Band13-10MHz-16QAM-23230-1RB#0-1000~30
00-PASS



Band13-10MHz-16QAM-23230-1RB#0-3000~10
000-PASS



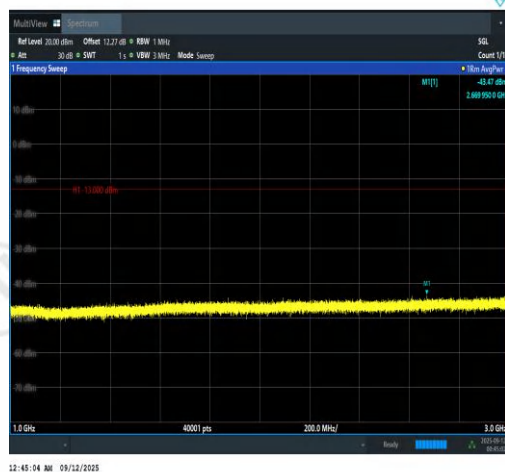
Band13-10MHz-16QAM-23230-1RB#49-0.009~0
.15-PASS



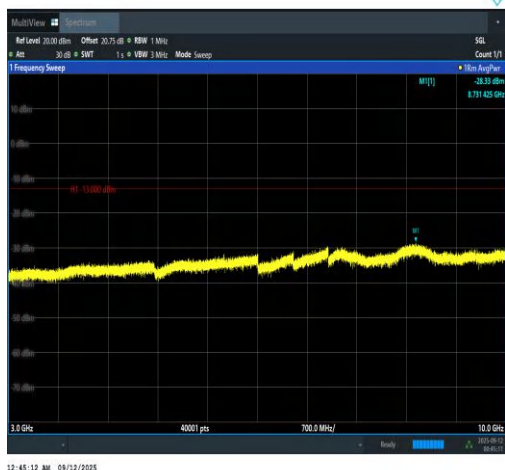
Band13-10MHz-16QAM-23230-1RB#49-0.15~30
-PASS



Band13-10MHz-16QAM-23230-1RB#49-30~100
0-PASS



Band13-10MHz-16QAM-23230-1RB#49-1000~3
000-PASS



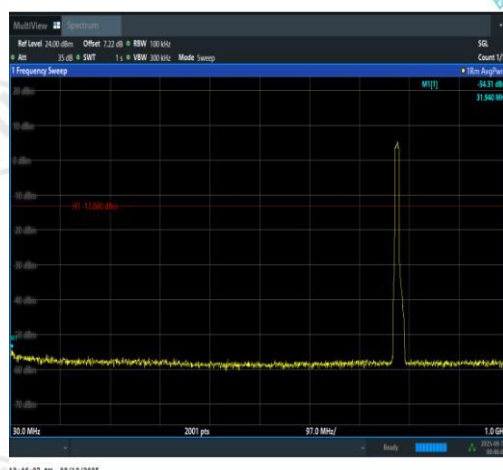
Band13-10MHz-16QAM-23230-1RB#49-3000~1
0000-PASS



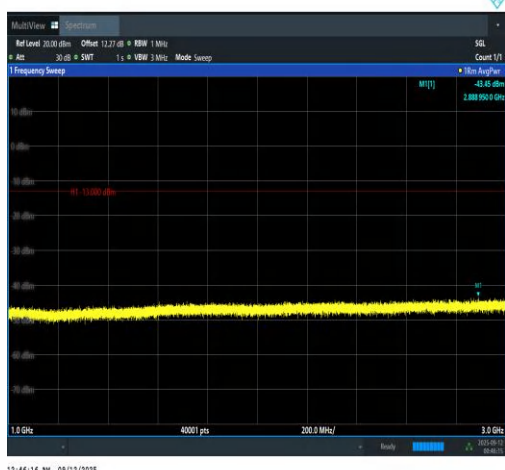
Band13-10MHz-16QAM-23230-50RB#0-0.009~0
.15-PASS



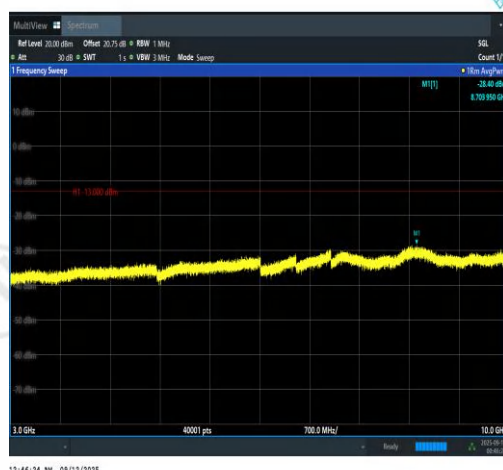
Band13-10MHz-16QAM-23230-50RB#0-0.15~30
-PASS



Band13-10MHz-16QAM-23230-50RB#0-30~100
0-PASS



Band13-10MHz-16QAM-23230-50RB#0-1000~3
000-PASS



Band13-10MHz-16QAM-23230-50RB#0-3000~1
0000-PASS

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth h	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	150.00	0.192431	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	900.00	1.154586	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	750.00	0.962155	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	8850.00	11.353432	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	2700.00	3.463759	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	2150.00	2.758178	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-3650.00	-4.667519	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	-6600.00	-8.439898	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-3800.00	-4.859335	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	-1550.00	-1.982097	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	-2050.00	-2.621483	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-3000.00	-3.836317	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	650.00	0.828553	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	2150.00	2.740599	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-700.00	-0.892288	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	5450.00	6.947100	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-700.00	-0.892288	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-1800.00	-2.294455	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	8900.00	11.381074	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	9500.00	12.148338	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	13150.00	16.815857	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	7350.00	9.398977	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	9100.00	11.636829	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	8250.00	10.549872	±NA	PASS

Temperature										
Band	Bandwidth h	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-500.00	-0.641437	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	1650.00	2.116742	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	450.00	0.577293	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	1150.00	1.475305	±NA	PASS

Band13	5MHz	QPSK	23205	25RB#0	NV	10	1050.00	1.347017	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	-100.00	-0.128287	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	800.00	1.026299	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	-1450.00	-1.860167	±NA	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	600.00	0.769724	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	1300.00	1.667736	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-200.00	-0.256575	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	7050.00	9.044259	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	3850.00	4.939064	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	1600.00	2.052598	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	7250.00	9.300834	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	800.00	1.026299	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	-8450.00	-10.840282	±NA	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	10100.00	12.957024	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-2900.00	-3.708440	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-7500.00	-9.590793	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	-7700.00	-9.846547	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-5650.00	-7.225064	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-2050.00	-2.621483	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	1150.00	1.470588	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	-5500.00	-7.033248	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	-1500.00	-1.918159	±NA	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	-7550.00	-9.654731	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-4150.00	-5.306905	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-1150.00	-1.470588	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	-6100.00	-7.800512	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	-3950.00	-5.051151	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-5400.00	-6.905371	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	2100.00	2.685422	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-4400.00	-5.626598	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	-2850.00	-3.644501	±NA	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	-5650.00	-7.225064	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	-2050.00	-2.613129	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-4150.00	-5.289994	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	-2450.00	-3.123008	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	2450.00	3.123008	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	6300.00	8.030593	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	4750.00	6.054812	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	3300.00	4.206501	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-2450.00	-3.123008	±NA	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	-850.00	-1.083493	±NA	PASS

Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-4850.00	-6.182282	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	1450.00	1.848311	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-10	600.00	0.764818	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	7000.00	8.922881	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	7550.00	9.623964	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	6250.00	7.966858	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	3100.00	3.951562	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	4800.00	6.118547	±NA	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	5350.00	6.819630	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	11150.00	14.258312	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	9050.00	11.572890	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	12000.00	15.345269	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	10150.00	12.979540	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	9750.00	12.468031	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	10750.00	13.746803	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	11450.00	14.641944	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	9850.00	12.595908	±NA	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	12750.00	16.304348	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	9700.00	12.404092	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	10850.00	13.874680	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	6350.00	8.120205	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	100.00	0.127877	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	1100.00	1.406650	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	12850.00	16.432225	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	1850.00	2.365729	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	4500.00	5.754476	±NA	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	800.00	1.023018	±NA	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band13	5MHz	QPSK	23205	25RB#0	PASS
Band13	5MHz	16QAM	23205	25RB#0	PASS
Band13	5MHz	QPSK	23230	25RB#0	PASS
Band13	5MHz	16QAM	23230	25RB#0	PASS
Band13	5MHz	QPSK	23255	25RB#0	PASS
Band13	5MHz	16QAM	23255	25RB#0	PASS
Band13	10MHz	QPSK	23230	50RB#0	PASS
Band13	10MHz	16QAM	23230	50RB#0	PASS