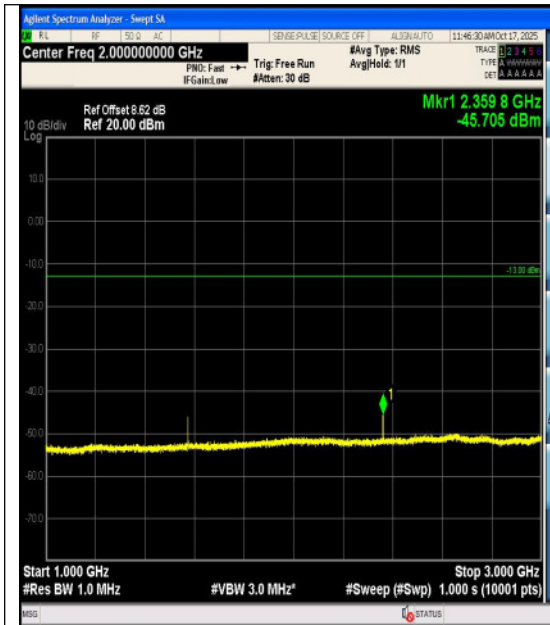
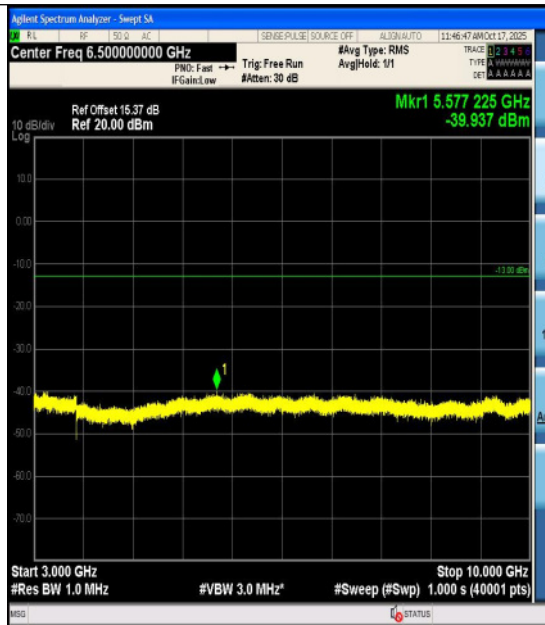




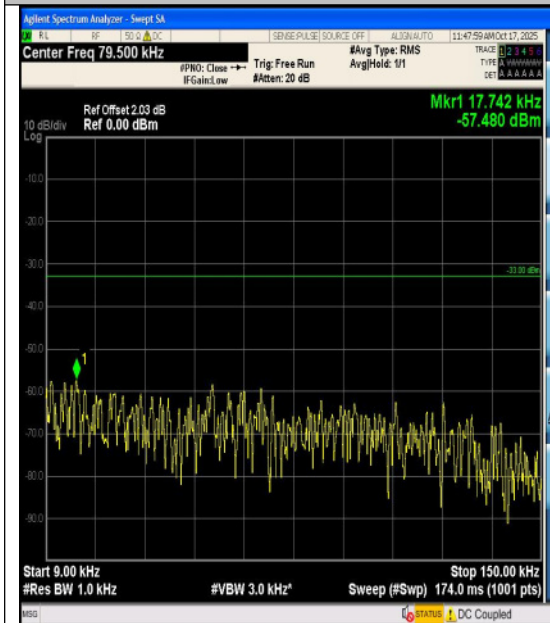
Band13-5MHz-QPSK-23255-25RB#0-0.009~0.1

5-PASS



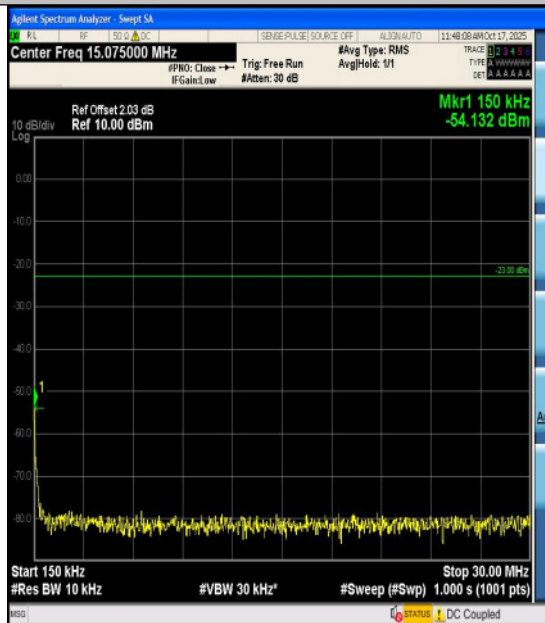
Band13-5MHz-QPSK-23255-25RB#0-0.15~30-P

ASS



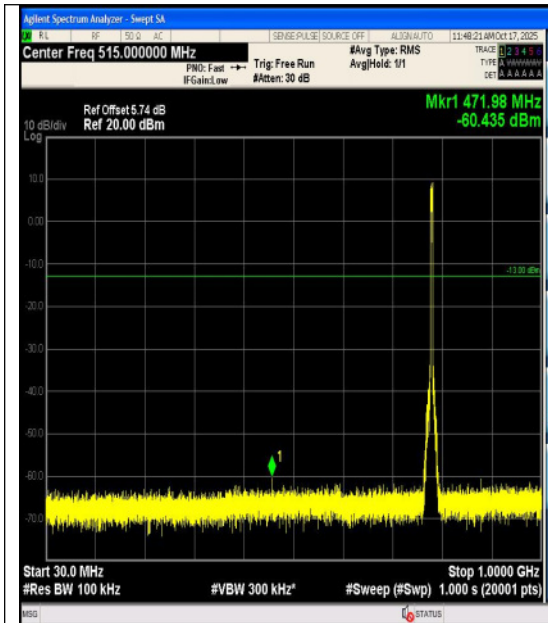
Band13-5MHz-QPSK-23255-25RB#0-30~1000-P

ASS

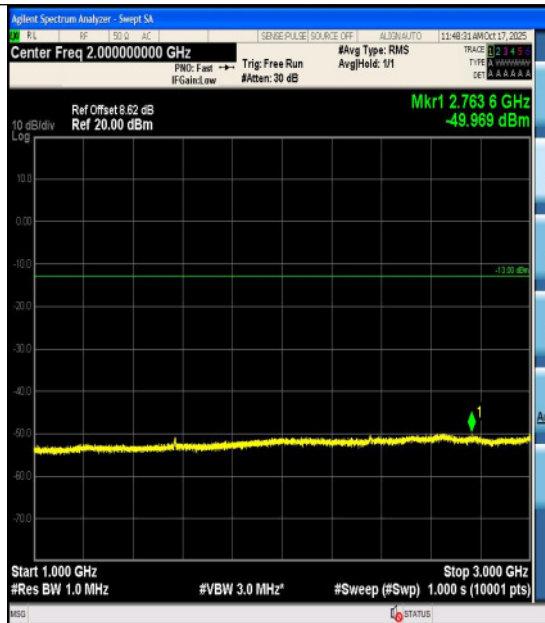


Band13-5MHz-QPSK-23255-25RB#0-1000~300

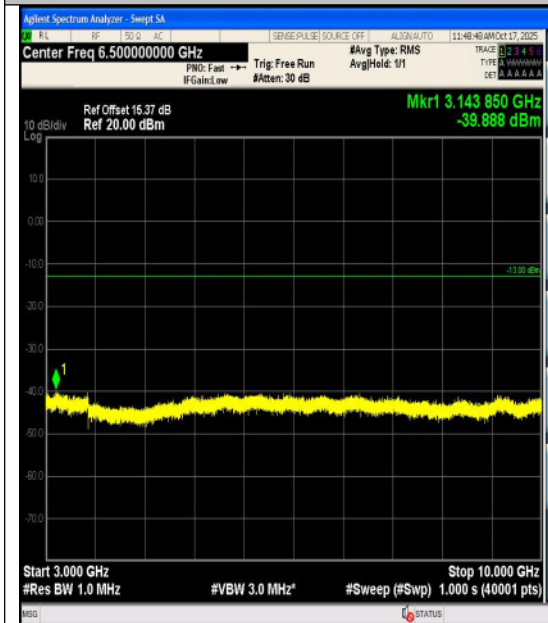
0-PASS



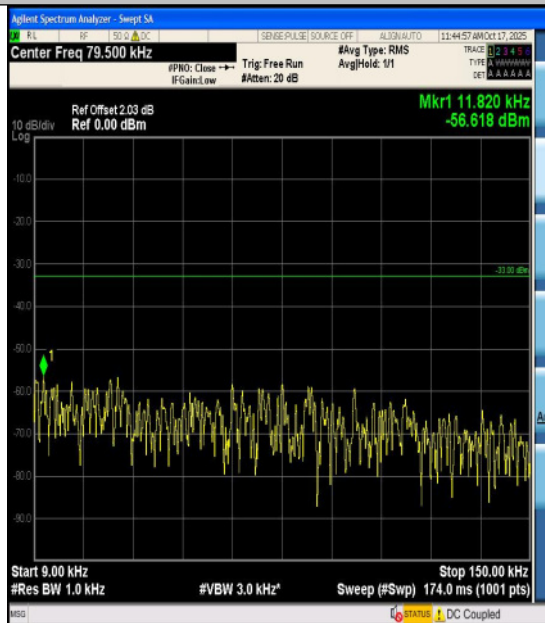
Band13-5MHz-QPSK-23255-25RB#0-3000~100
00-PASS



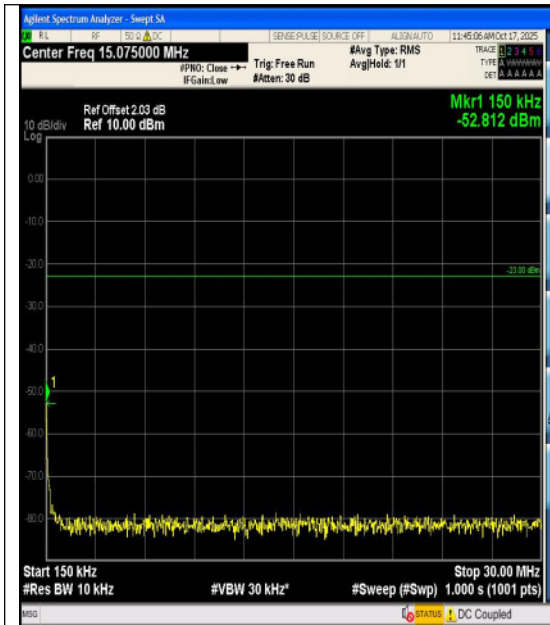
Band13-5MHz-16QAM-23255-1RB#0-0.009~0.1
5-PASS



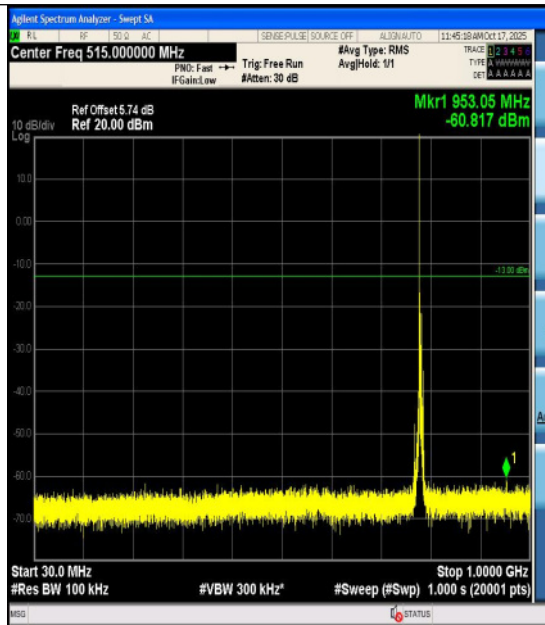
Band13-5MHz-16QAM-23255-1RB#0-0.15~30-P
ASS



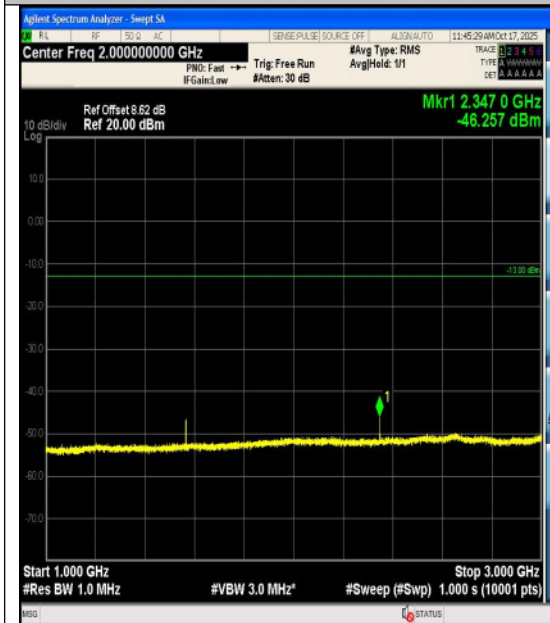
Band13-5MHz-16QAM-23255-1RB#0-30~1000-P
ASS



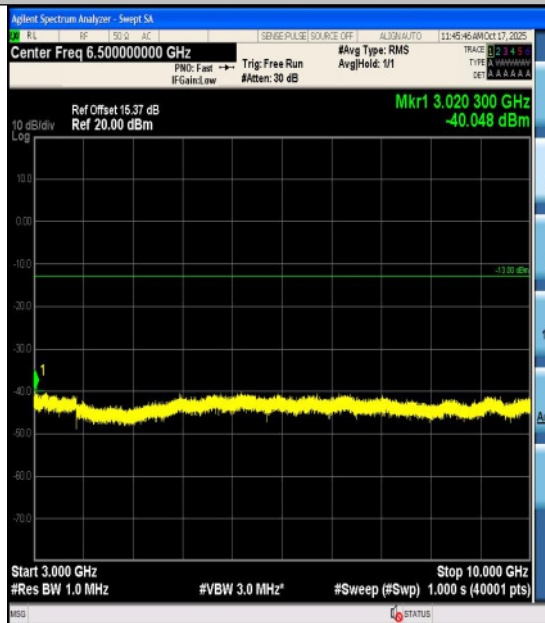
Band13-5MHz-16QAM-23255-1RB#0-1000~300
0-PASS



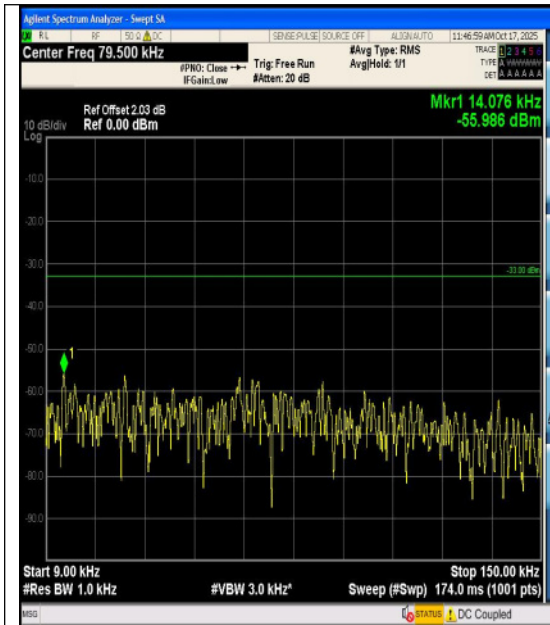
Band13-5MHz-16QAM-23255-1RB#0-3000~100
00-PASS



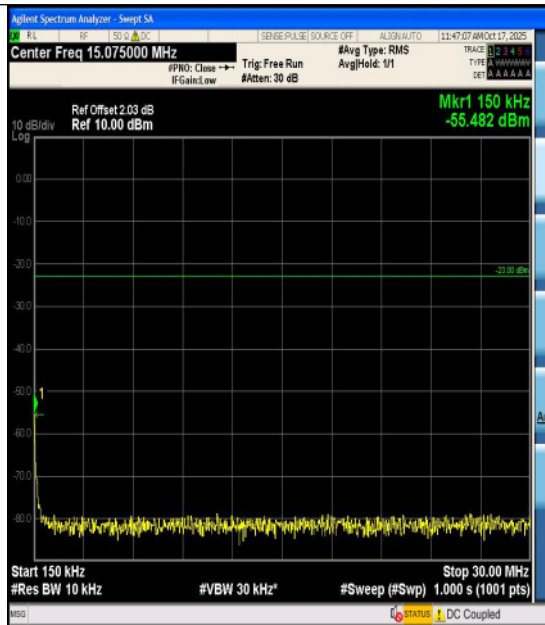
Band13-5MHz-16QAM-23255-1RB#24-0.009~0.
15-PASS



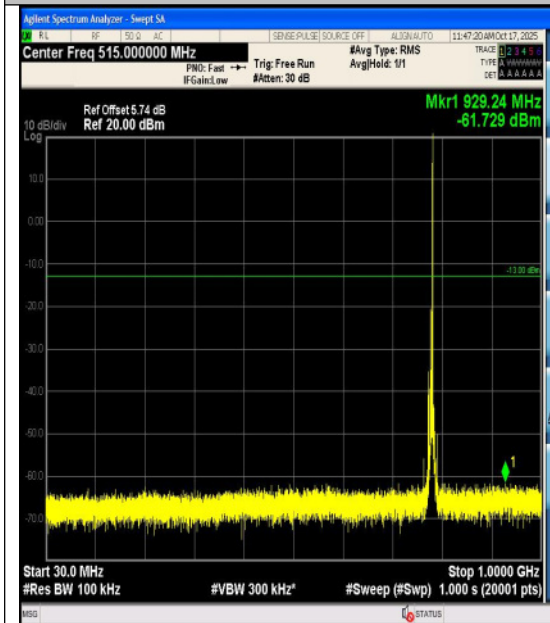
Band13-5MHz-16QAM-23255-1RB#24-0.15~30-
PASS



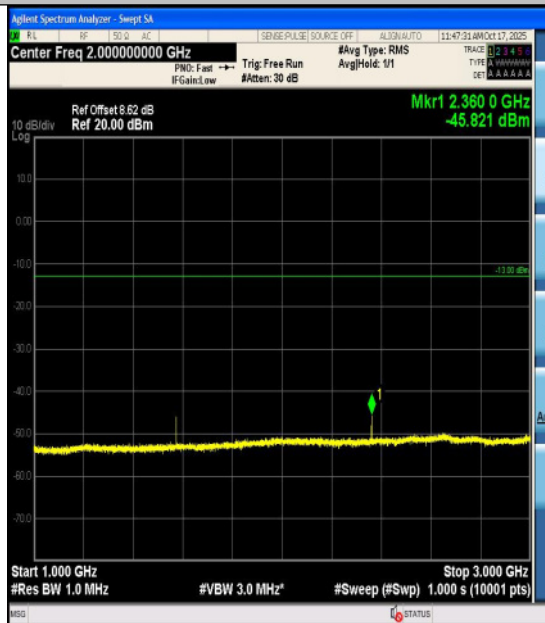
Band13-5MHz-16QAM-23255-1RB#24-30~1000-PASS



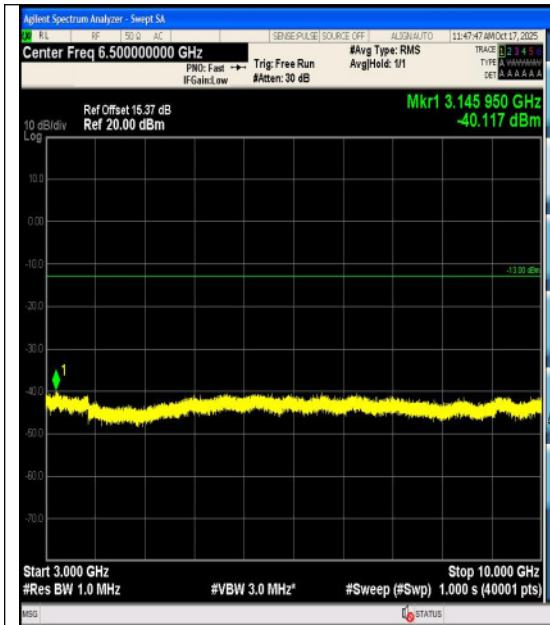
Band13-5MHz-16QAM-23255-1RB#24-1000~3000-PASS



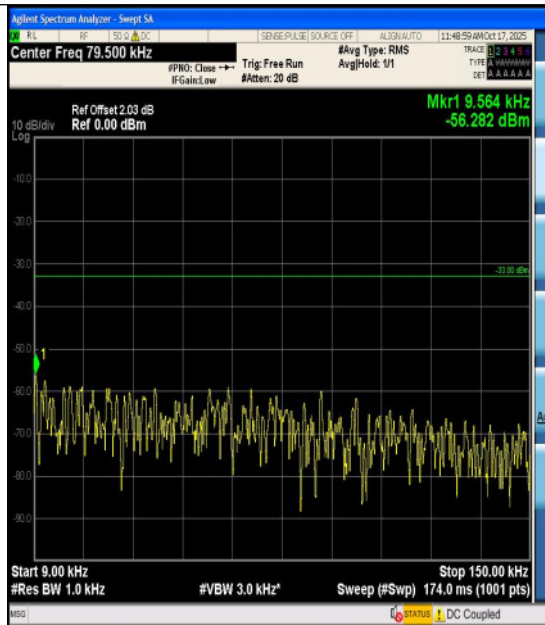
Band13-5MHz-16QAM-23255-1RB#24-3000~10000-PASS



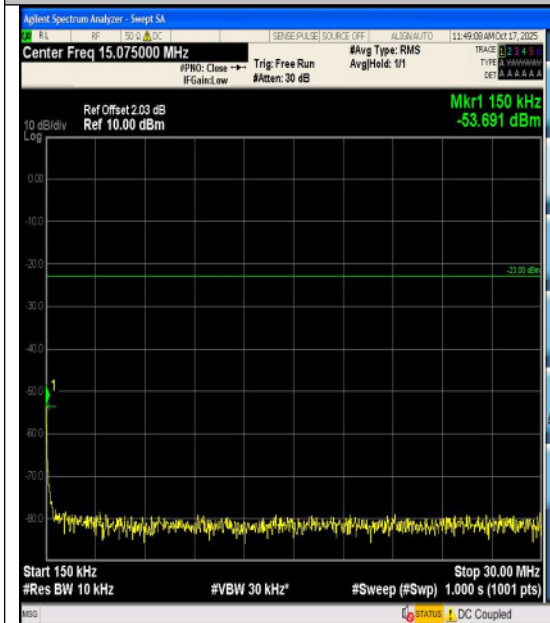
Band13-5MHz-16QAM-23255-25RB#0-0.009~0.015-PASS



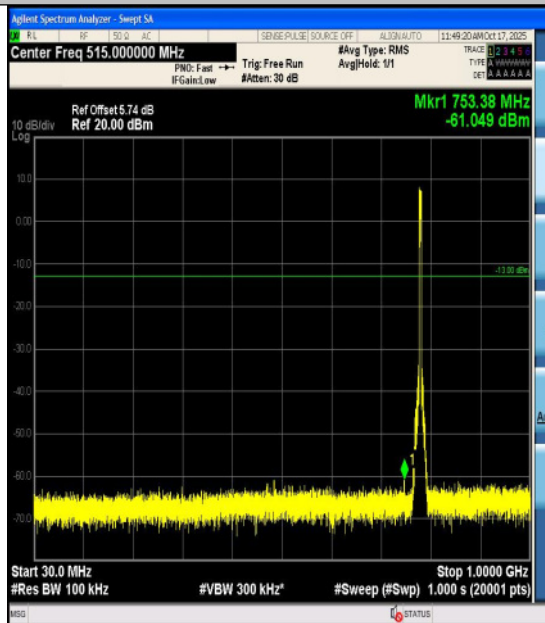
Band13-5MHz-16QAM-23255-25RB#0-0.15~30-
PASS



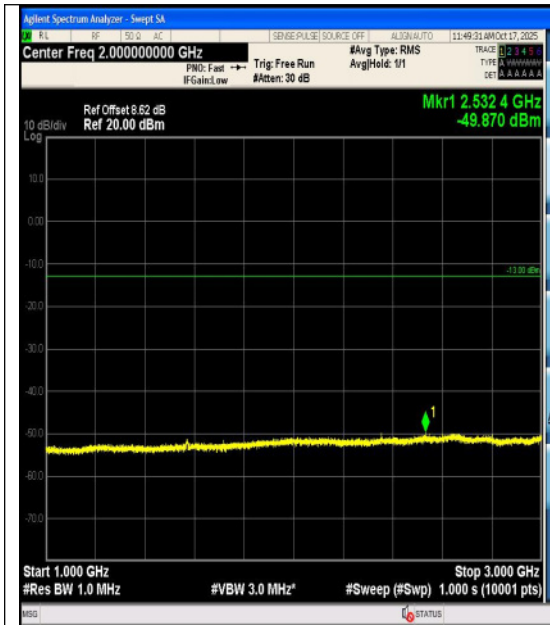
Band13-5MHz-16QAM-23255-25RB#0-30~1000-
PASS



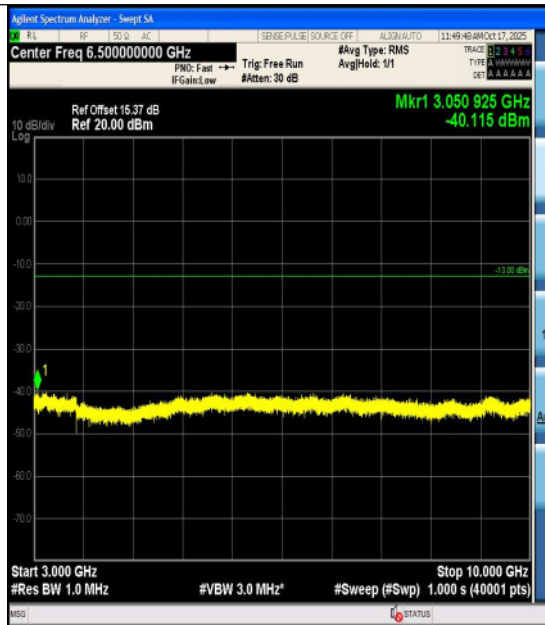
Band13-5MHz-16QAM-23255-25RB#0-1000~30
00-PASS



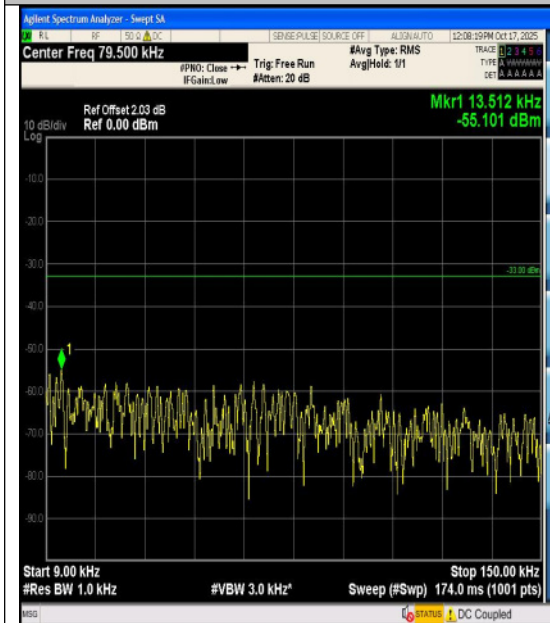
Band13-5MHz-16QAM-23255-25RB#0-3000~10
000-PASS



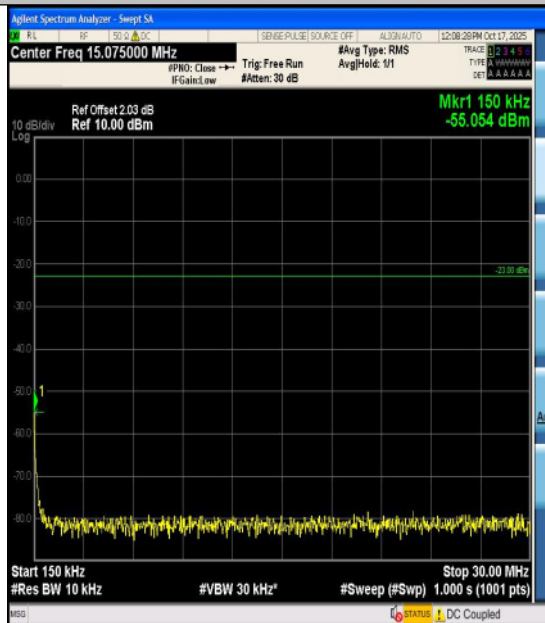
Band13-10MHz-QPSK-23230-1RB#0-0.009~0.1
5-PASS



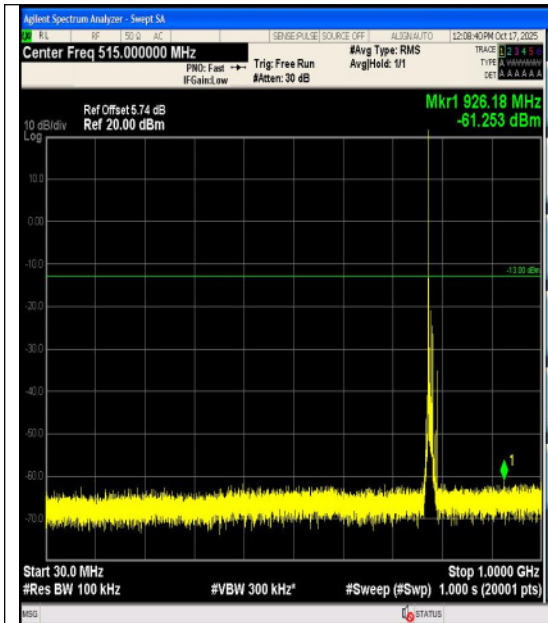
Band13-10MHz-QPSK-23230-1RB#0-0.15~30-P
ASS



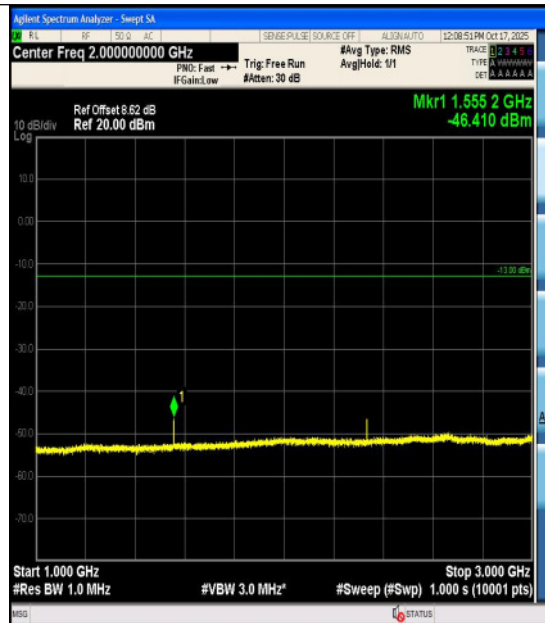
Band13-10MHz-QPSK-23230-1RB#0-30~1000-P
ASS



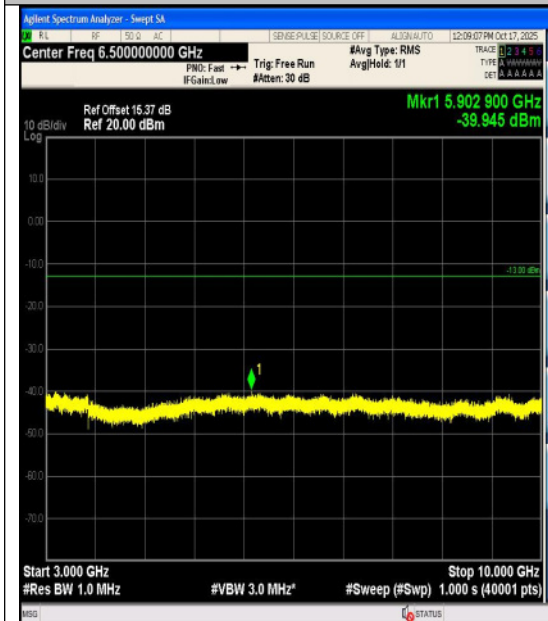
Band13-10MHz-QPSK-23230-1RB#0-1000~300
0-PASS



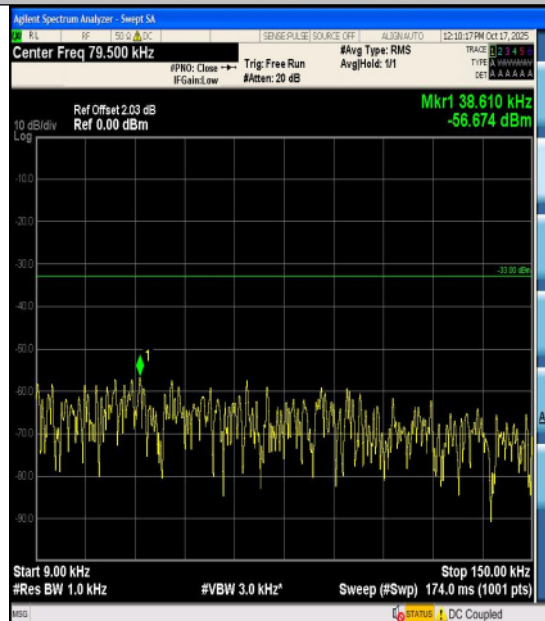
Band13-10MHz-QPSK-23230-1RB#0-3000~100
00-PASS



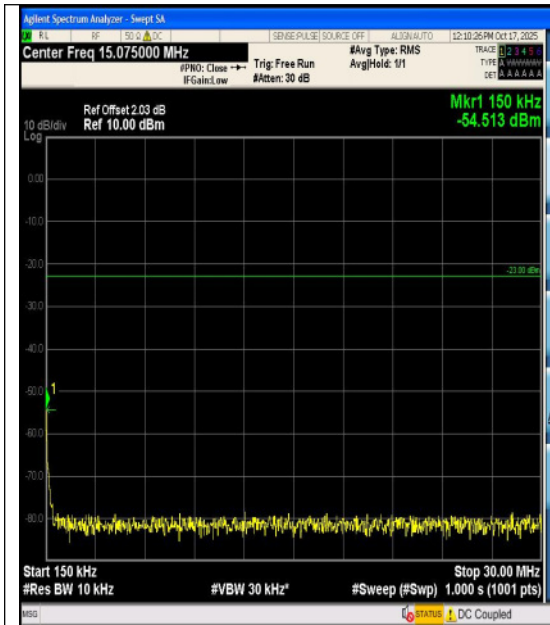
Band13-10MHz-QPSK-23230-1RB#49-0.009~0.
15-PASS



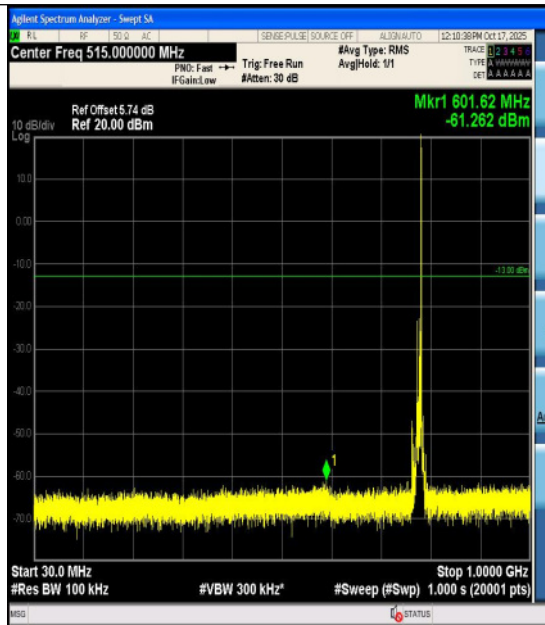
Band13-10MHz-QPSK-23230-1RB#49-0.15~30-
PASS



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



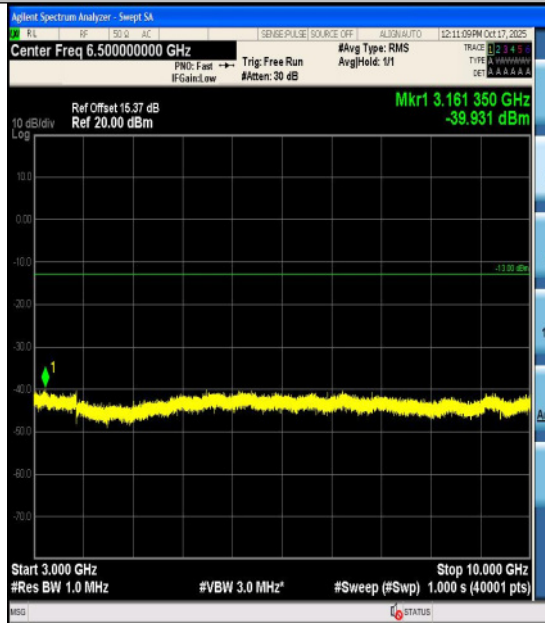
Band13-10MHz-QPSK-23230-1RB#49-1000~30
00-PASS



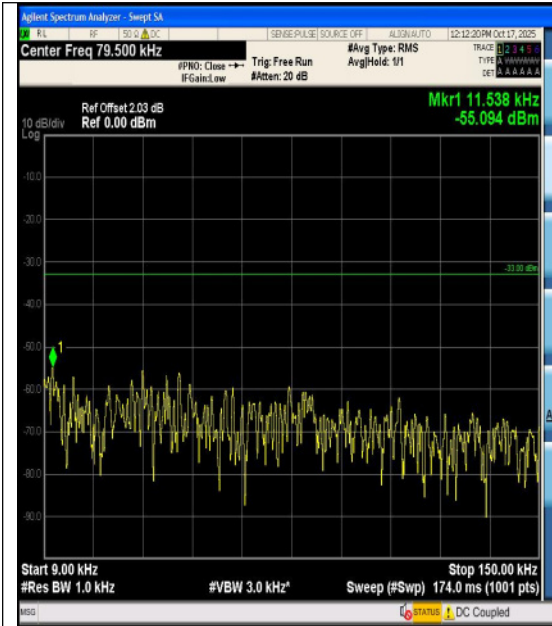
Band13-10MHz-QPSK-23230-1RB#49-3000~10
000-PASS



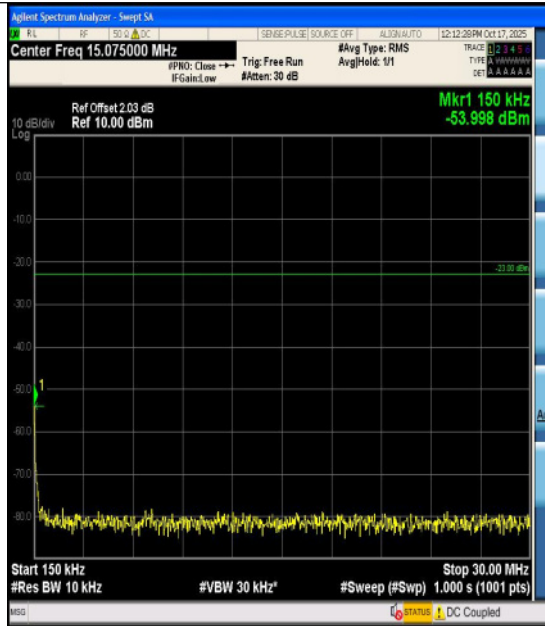
Band13-10MHz-QPSK-23230-50RB#0-0.009~0.
15-PASS



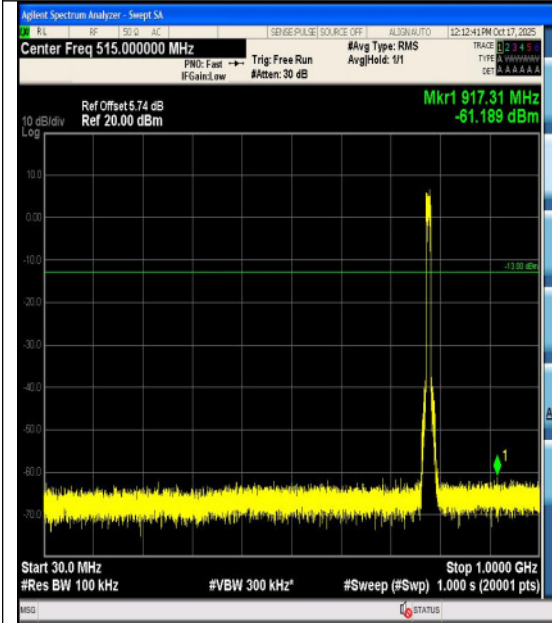
Band13-10MHz-QPSK-23230-50RB#0-0.15~30-
PASS



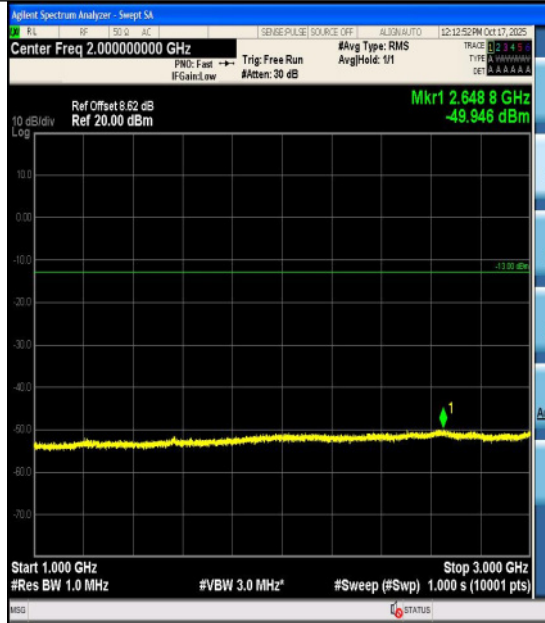
Band13-10MHz-QPSK-23230-50RB#0-30~1000-
PASS



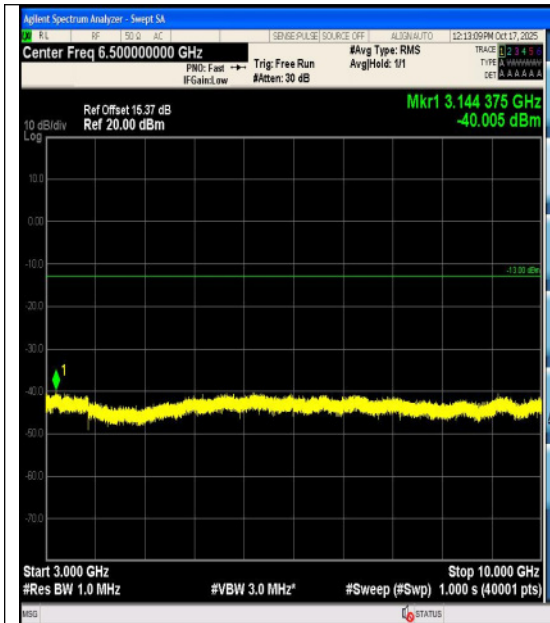
Band13-10MHz-QPSK-23230-50RB#0-1000~30
00-PASS



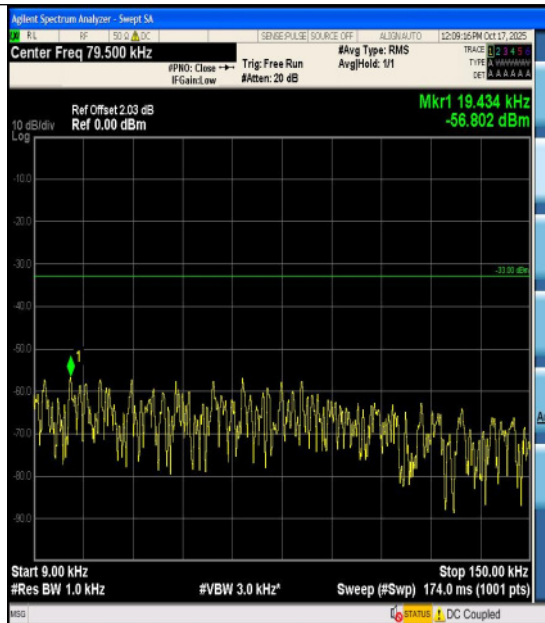
Band13-10MHz-QPSK-23230-50RB#0-3000~10
000-PASS



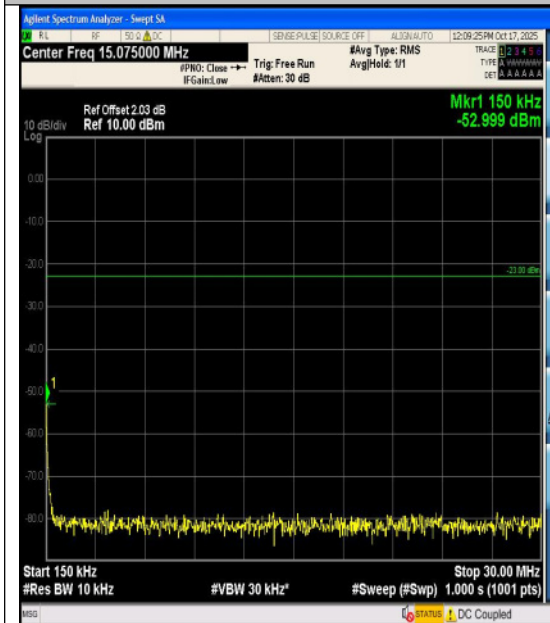
Band13-10MHz-16QAM-23230-1RB#0-0.009~0.
15-PASS



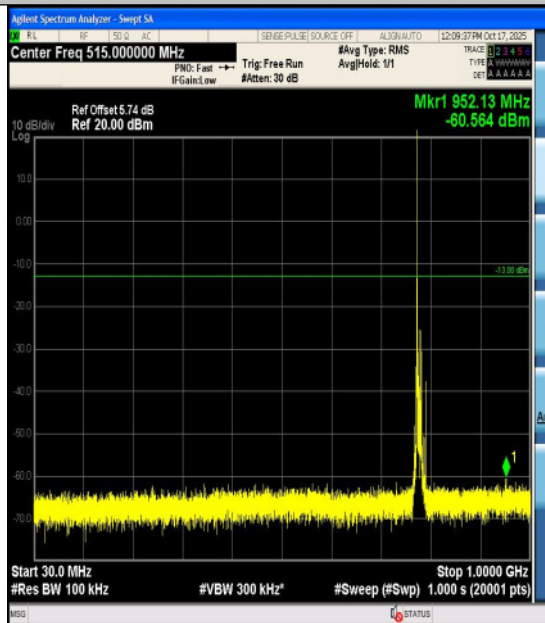
Band13-10MHz-16QAM-23230-1RB#0-0.15~30-
 PASS



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



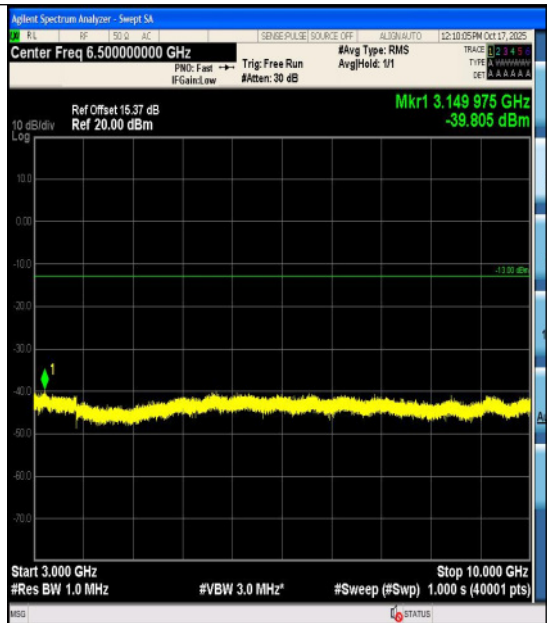
Band13-10MHz-16QAM-23230-1RB#0-1000~30
 00-PASS



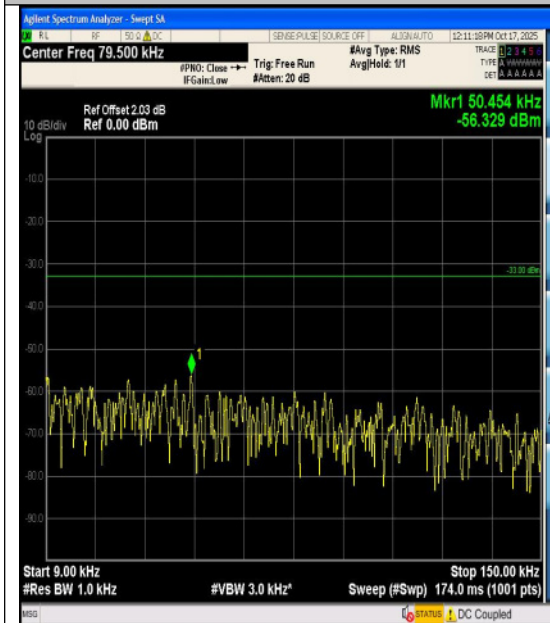
Band13-10MHz-16QAM-23230-1RB#0-3000~10
 000-PASS



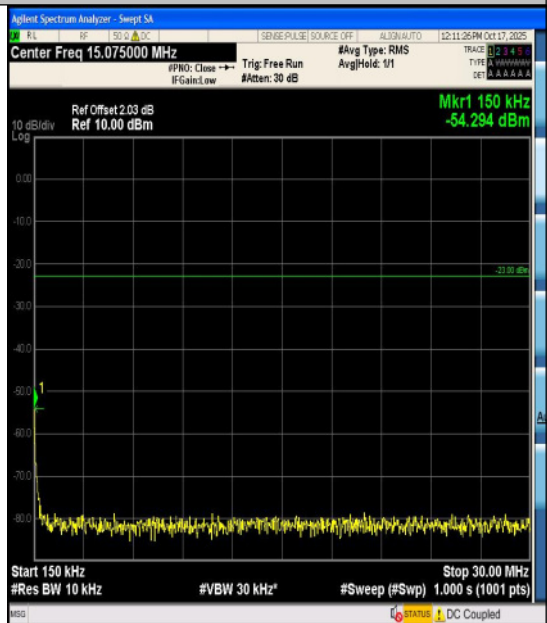
Band13-10MHz-16QAM-23230-1RB#49-0.009~0.15-PASS



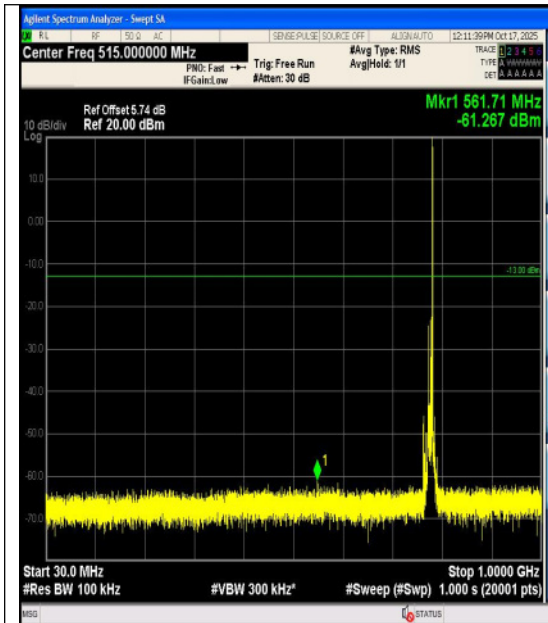
Band13-10MHz-16QAM-23230-1RB#49-0.15~30-PASS



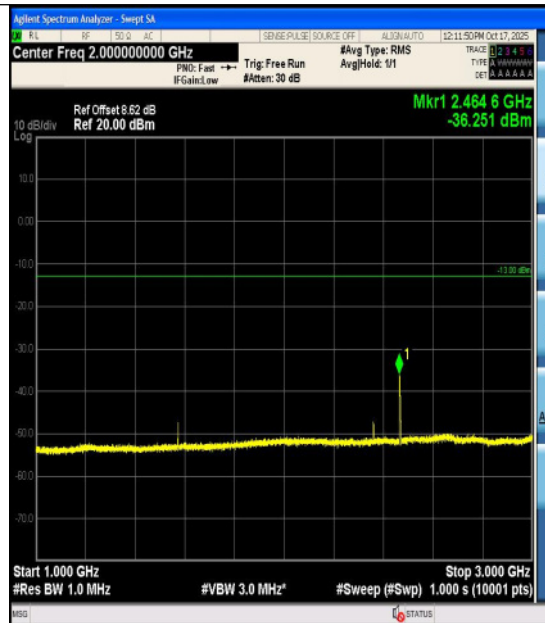
Band13-10MHz-16QAM-23230-1RB#49-30~1000-PASS



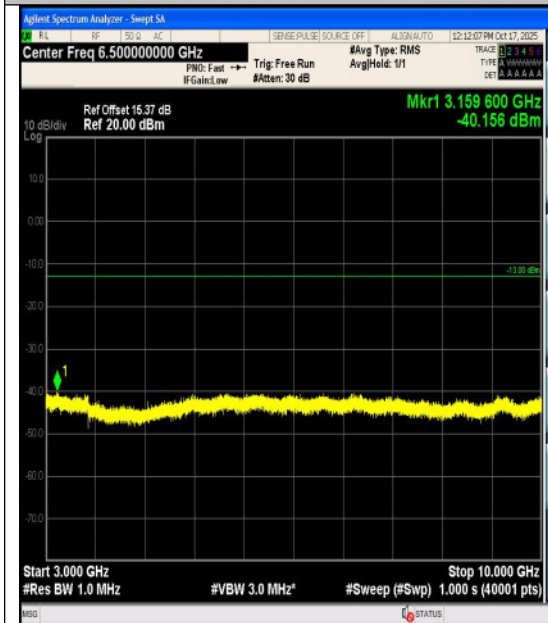
Band13-10MHz-16QAM-23230-1RB#49-1000~3000-PASS



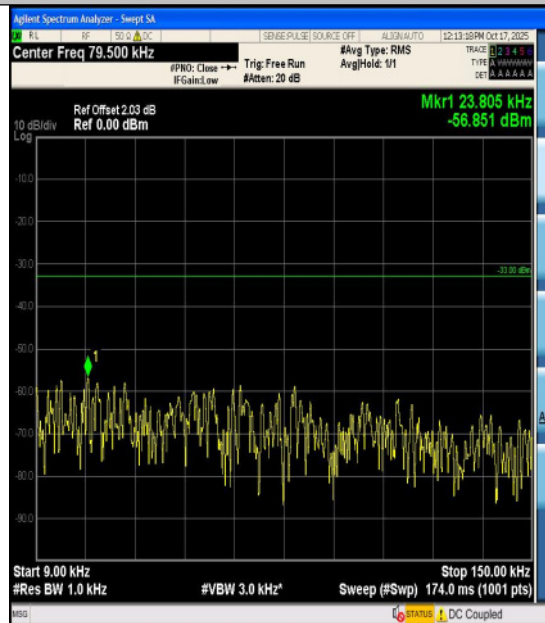
Band13-10MHz-16QAM-23230-1RB#49-3000~1
0000-PASS



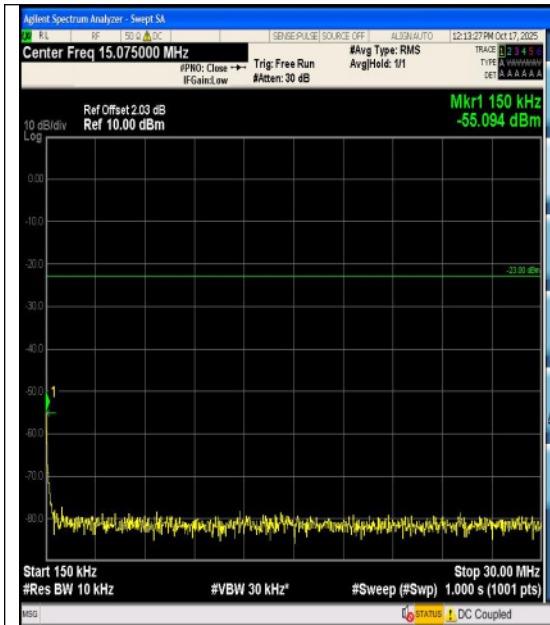
Band13-10MHz-16QAM-23230-50RB#0-0.009~0
.15-PASS



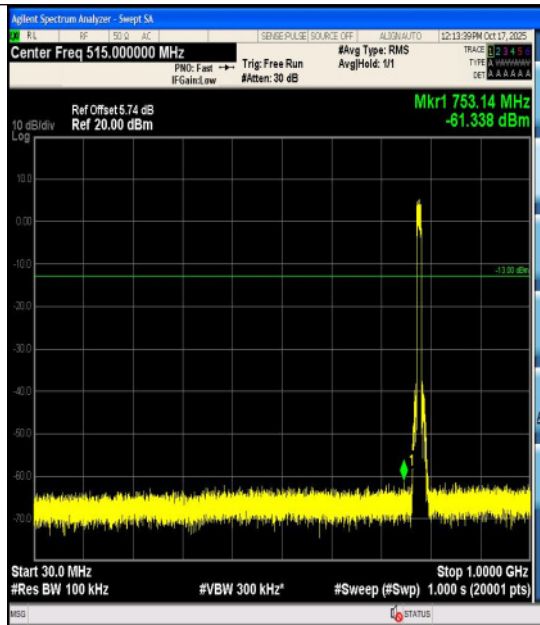
Band13-10MHz-16QAM-23230-50RB#0-0.15~30
-PASS



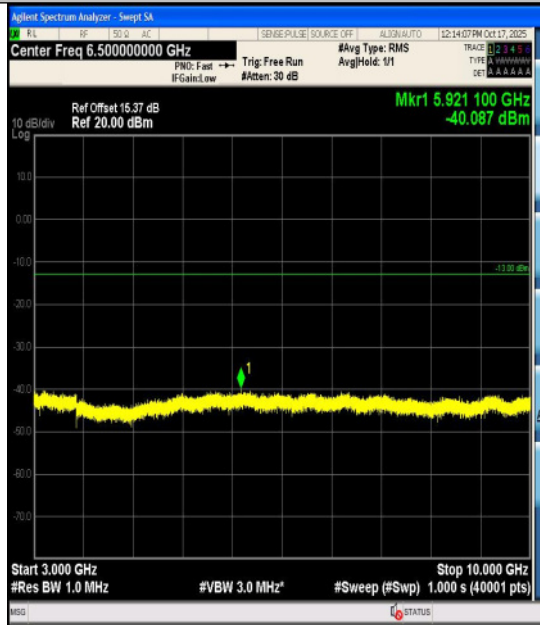
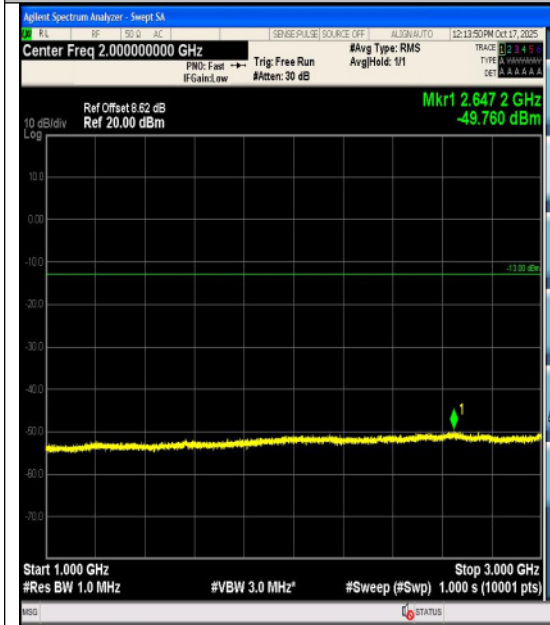
Band13-10MHz-16QAM-23230-50RB#0-30~100
0-PASS



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	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-1170.00	-1.500962	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	1290.00	1.654907	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-380.00	-0.487492	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	1290.00	1.654907	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	-700.00	-0.895141	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	-1170.00	-1.500962	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	1290.00	1.654907	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-380.00	-0.487492	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	1290.00	1.654907	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-700.00	-0.895141	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	-700.00	-0.895141	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-1170.00	-1.500962	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	1290.00	1.654907	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-380.00	-0.487492	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	690.00	0.882353	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	1290.00	1.654907	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	-700.00	-0.895141	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	-700.00	-0.895141	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	-380.00	-0.487492	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	1290.00	1.654907	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-700.00	-0.895141	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	20	690.00	0.882353	±2.5	PASS

Band13	5MHz	QPSK	23205	25RB#0	NV	30	-1170.00	-1.500962	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	1290.00	1.654907	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	-380.00	-0.487492	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	-380.00	-0.487492	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	1290.00	1.654907	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-700.00	-0.895141	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-550.00	-0.705581	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	-380.00	-0.487492	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	1290.00	1.654907	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-700.00	-0.895141	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	-500.00	-0.639386	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-140.00	-0.179028	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	-520.00	-0.664962	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	-550.00	-0.705581	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	-380.00	-0.487492	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	1290.00	1.654907	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	-700.00	-0.895141	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-500.00	-0.639386	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	-140.00	-0.179028	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-520.00	-0.664962	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	-220.00	-0.281330	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	630.00	0.805627	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	-550.00	-0.705581	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-380.00	-0.487492	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	1290.00	1.654907	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	-700.00	-0.895141	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	690.00	0.882353	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	-500.00	-0.639386	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	-140.00	-0.179028	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-520.00	-0.664962	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-20	-550.00	-0.705581	±2.5	PASS

Band13	5MHz	16QAM	23255	25RB#0	NV	-10	-380.00	-0.487492	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	1290.00	1.654907	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	-700.00	-0.895141	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	690.00	0.882353	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	-500.00	-0.639386	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	-550.00	-0.705581	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	-380.00	-0.487492	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	690.00	0.882353	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	1290.00	1.654907	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	850.00	1.086957	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	-550.00	-0.705581	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-380.00	-0.487492	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	690.00	0.882353	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-550.00	-0.705581	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-380.00	-0.487492	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	690.00	0.882353	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	1290.00	1.654907	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-700.00	-0.895141	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	690.00	0.882353	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	690.00	0.882353	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-500.00	-0.639386	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	-140.00	-0.179028	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	-520.00	-0.664962	±2.5	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

Test Graphs

