Band2-20MHz-16QAM-18700-100RB#0

Band2-20MHz-16QAM-18900-100RB#0

Band2-20MHz-16QAM-19100-100RB#0

Agilent Spectrum Analyzer - Occupied BW
Center Freq 1.900000000 GHz
Center Freq: 1.900000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
#IFGain:Low
10 dB/div
Ref 35.00 dBm
Center 1.9 GHz
Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
Occupied Bandwidth
17.965 MHz
Total Power 23.9 dBm
Transmit Freq Error -17.250 kHz
OBW Power 99.00 %
x dB Bandwidth 19.03 MHz
x dB -26.00 dB
Frequency
Center Freq
1.900000000 GHz
CF Step
4.000000 MHz
Auto Man
Freq Offset
0 Hz

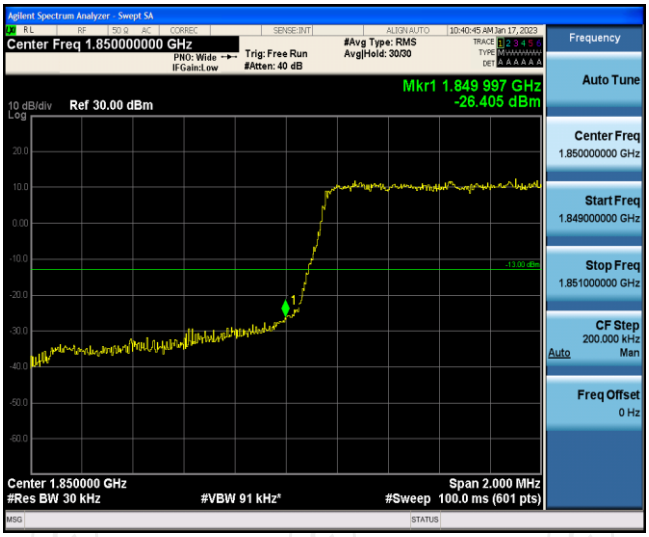
Appendix D: Band Edge

Test Result

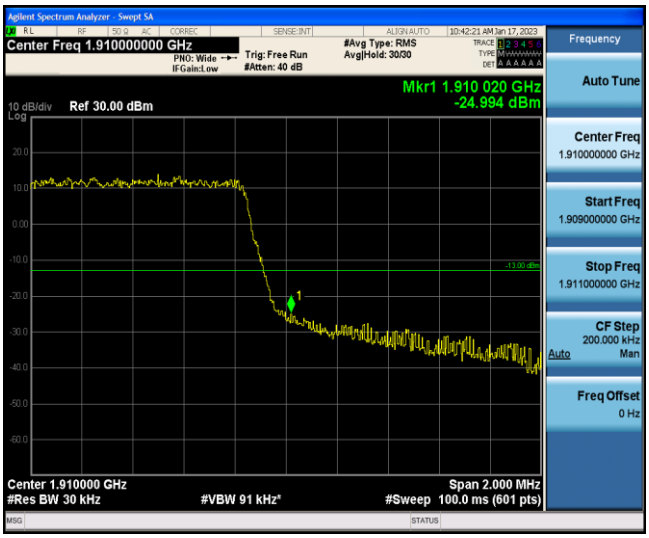
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band2	1.4MHz	QPSK	18607	6RB#0	-26.41	PASS
Band2	1.4MHz	QPSK	19193	6RB#0	-24.99	PASS
Band2	1.4MHz	16QAM	18607	6RB#0	-25.06	PASS
Band2	1.4MHz	16QAM	19193	6RB#0	-25.63	PASS
Band2	3MHz	QPSK	18615	15RB#0	-17.71	PASS
Band2	3MHz	QPSK	19185	15RB#0	-16.62	PASS
Band2	3MHz	16QAM	18615	15RB#0	-19.65	PASS
Band2	3MHz	16QAM	19185	15RB#0	-18.00	PASS
Band2	5MHz	QPSK	18625	25RB#0	-22.91	PASS
Band2	5MHz	QPSK	19175	25RB#0	-21.80	PASS
Band2	5MHz	16QAM	18625	25RB#0	-23.17	PASS
Band2	5MHz	16QAM	19175	25RB#0	-21.91	PASS
Band2	10MHz	QPSK	18650	50RB#0	-26.78	PASS
Band2	10MHz	QPSK	19150	50RB#0	-25.55	PASS
Band2	10MHz	16QAM	18650	50RB#0	-27.28	PASS
Band2	10MHz	16QAM	19150	50RB#0	-25.76	PASS
Band2	15MHz	QPSK	18675	75RB#0	-27.27	PASS
Band2	15MHz	QPSK	19125	75RB#0	-25.09	PASS
Band2	15MHz	16QAM	18675	75RB#0	-26.77	PASS
Band2	15MHz	16QAM	19125	75RB#0	-25.65	PASS
Band2	20MHz	QPSK	18700	100RB#0	-29.72	PASS
Band2	20MHz	QPSK	19100	100RB#0	-28.79	PASS
Band2	20MHz	16QAM	18700	100RB#0	-28.02	PASS
Band2	20MHz	16QAM	19100	100RB#0	-29.09	PASS

Test Graphs

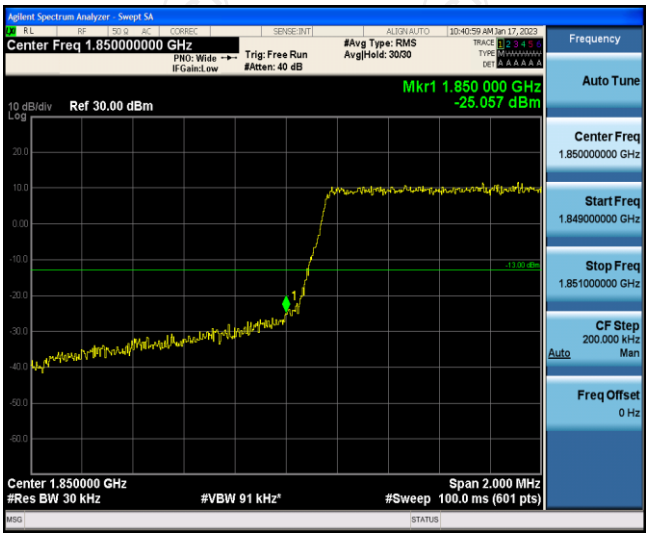
Band2-1.4MHz-QPSK-18607-6RB#0



Band2-1.4MHz-QPSK-19193-6RB#0

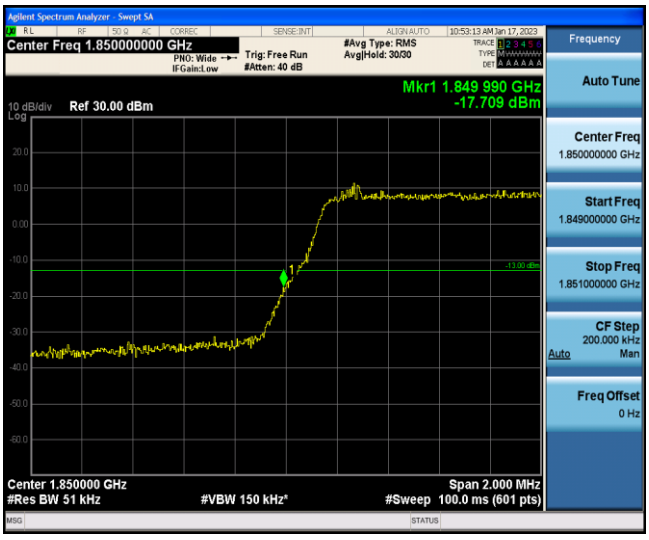


Band2-1.4MHz-16QAM-18607-6RB#0

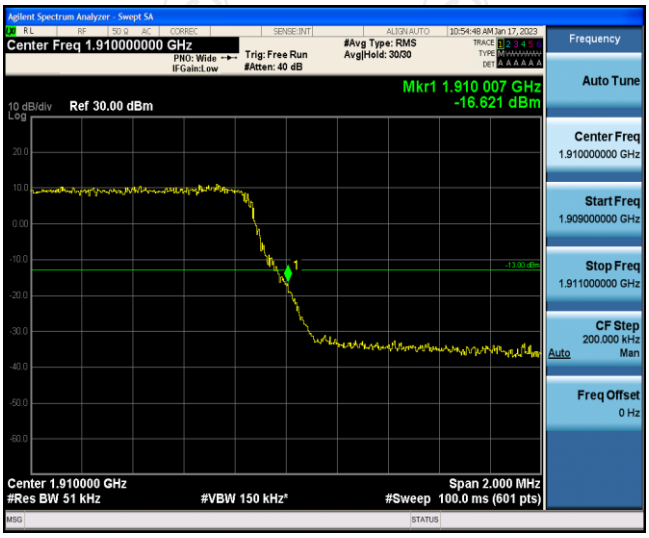


Band2-1.4MHz-16QAM-19193-6RB#0

Band2-3MHz-QPSK-18615-15RB#0



Band2-3MHz-QPSK-19185-15RB#0



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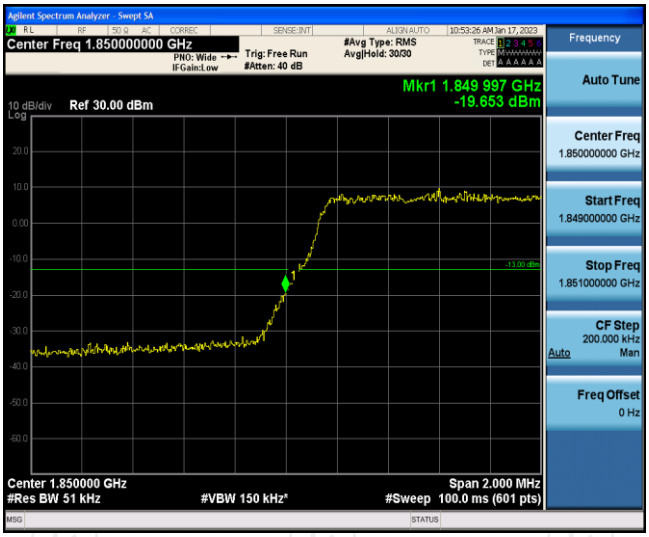
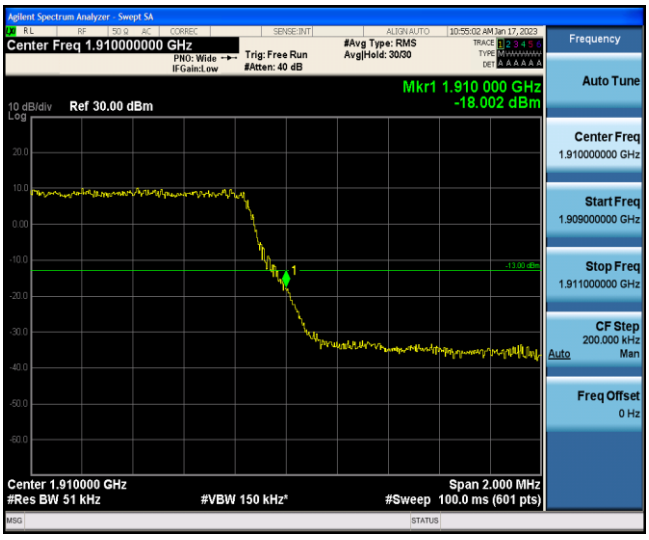
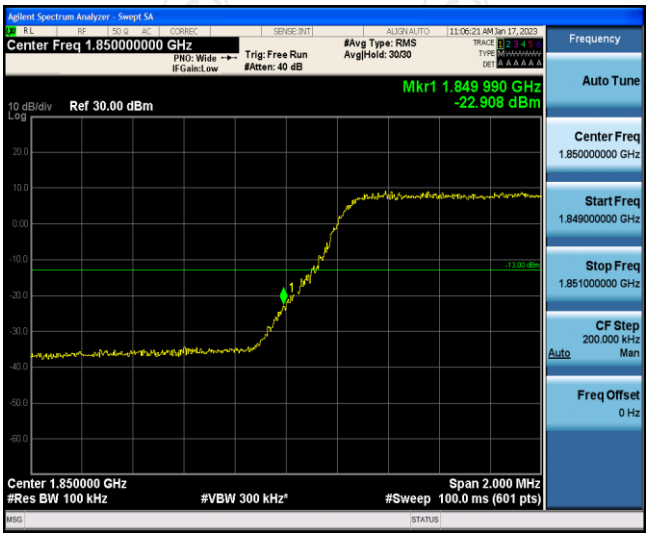


Band2-3MHz-16QAM-19185-15RB#0

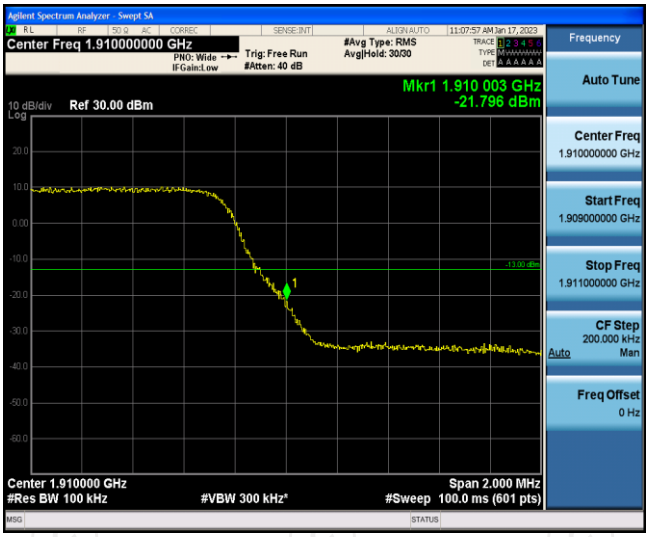


Band2-5MHz-QPSK-18625-25RB#0

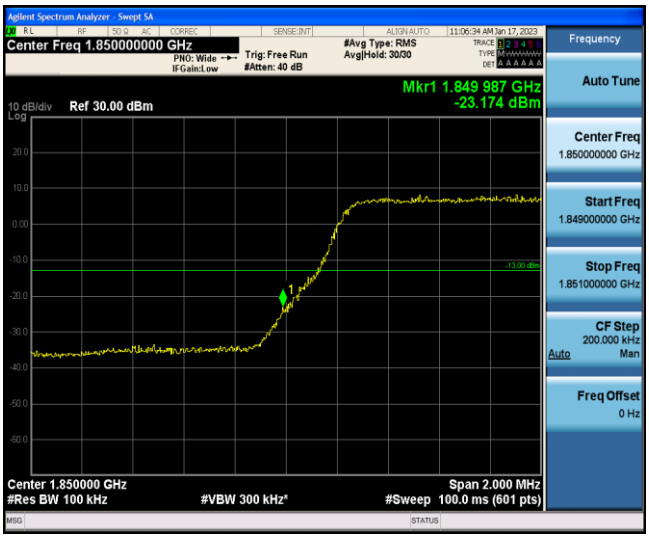


Band2-5MHz-QPSK-19175-25RB#0

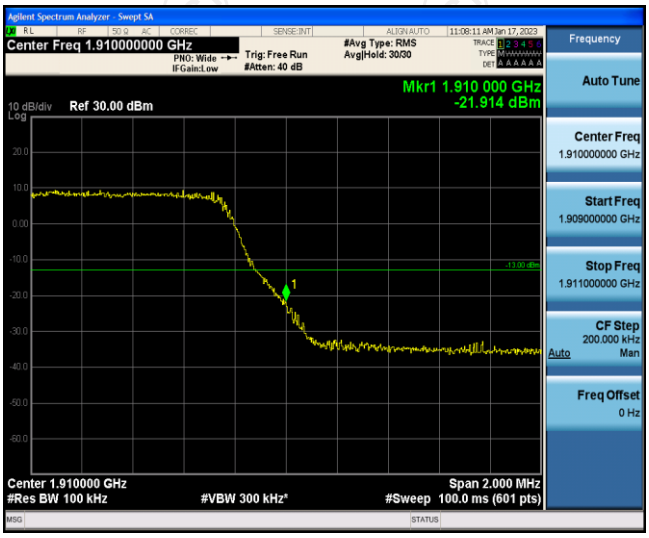
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



Band2-5MHz-16QAM-18625-25RB#0

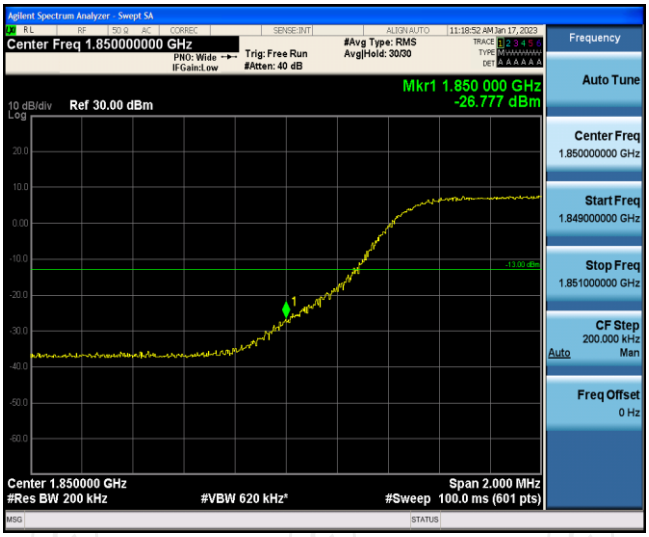


Band2-5MHz-16QAM-19175-25RB#0

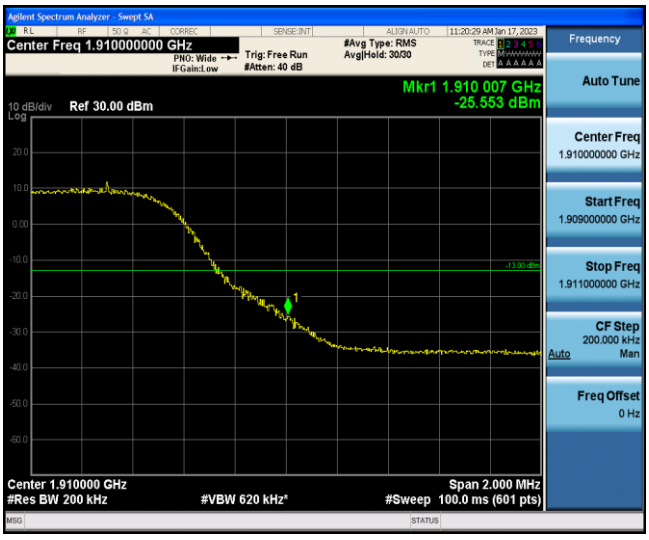


Band2-10MHz-QPSK-18650-50RB#0

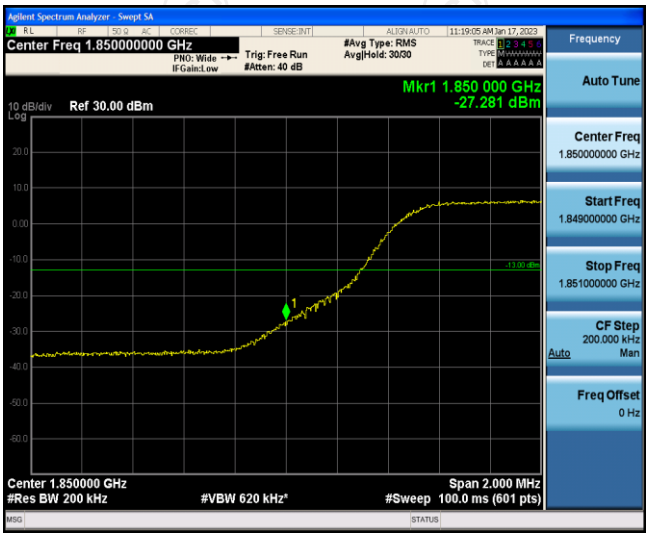
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



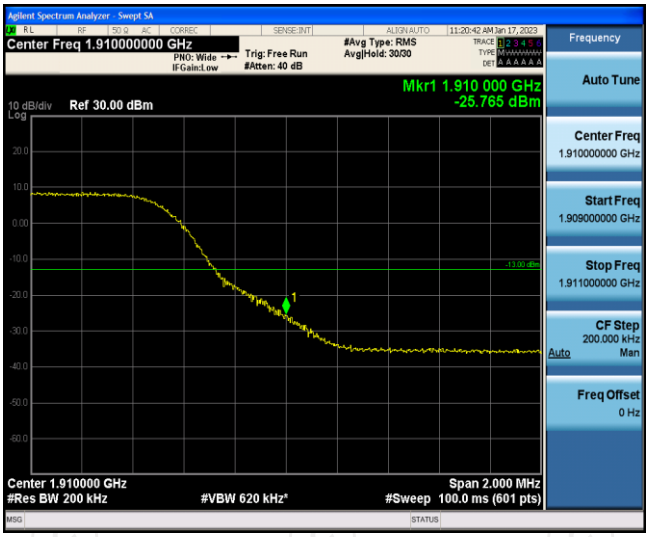
Band2-10MHz-QPSK-19150-50RB#0



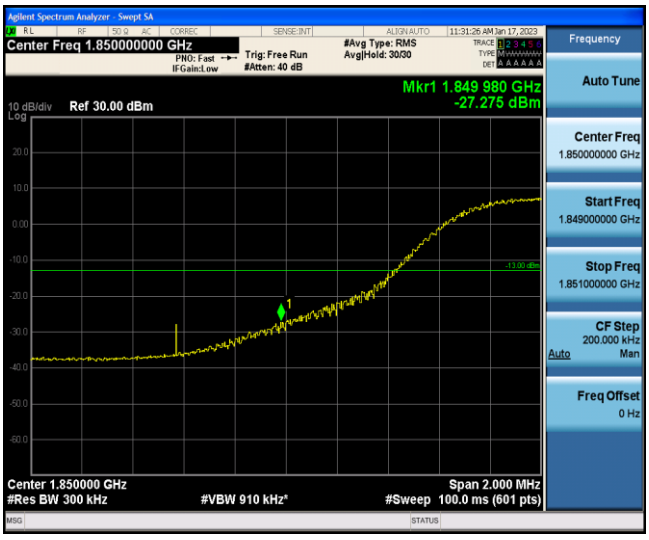
Band2-10MHz-16QAM-18650-50RB#0



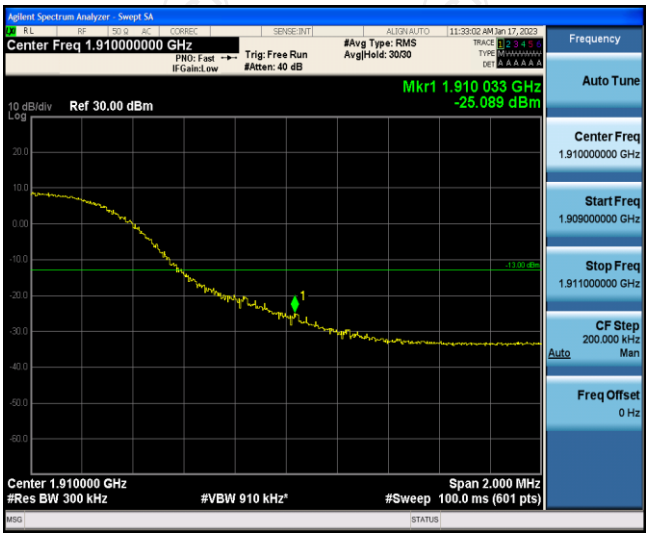
Band2-10MHz-16QAM-19150-50RB#0



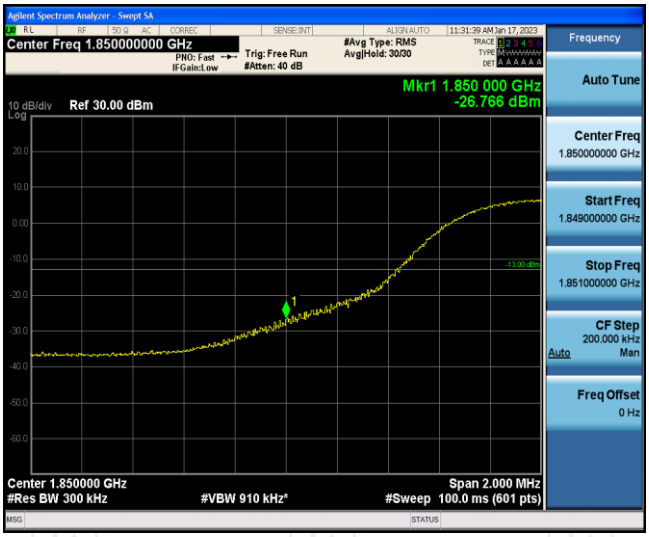
Band2-15MHz-QPSK-18675-75RB#0



Band2-15MHz-QPSK-19125-75RB#0



Band2-15MHz-16QAM-18675-75RB#0



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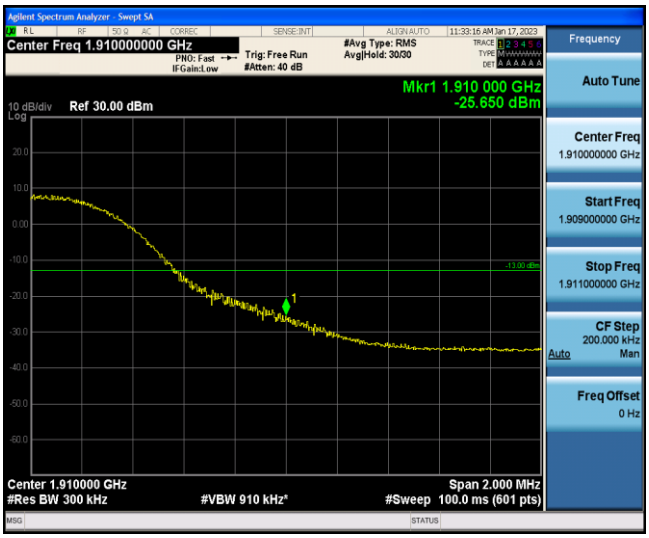
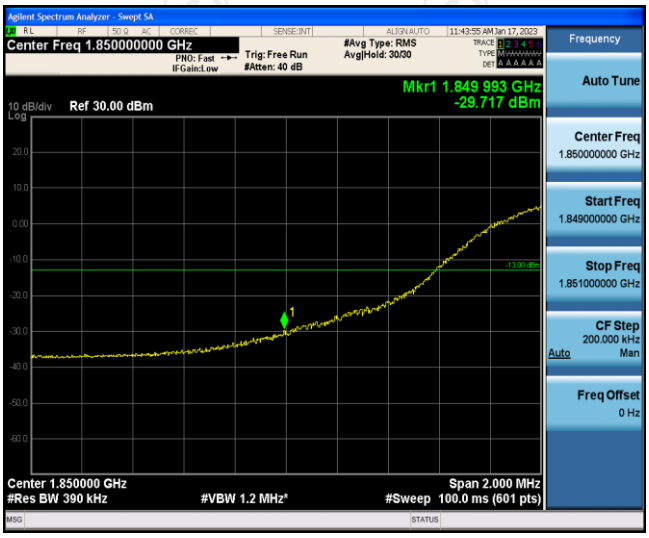
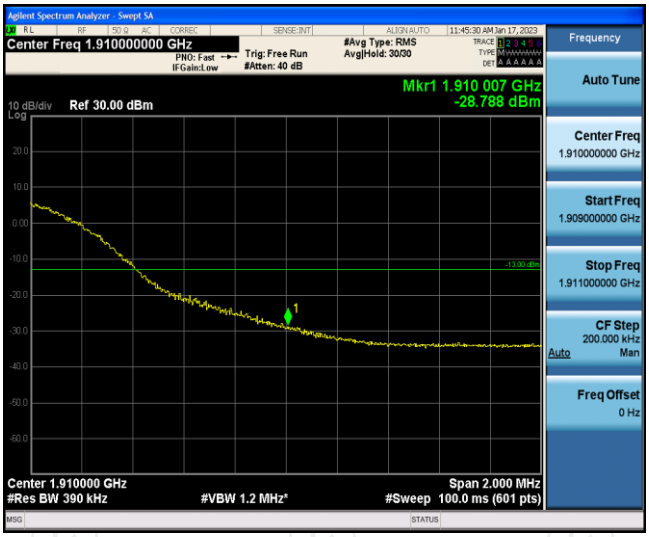


Band2-20MHz-QPSK-18700-100RB#0

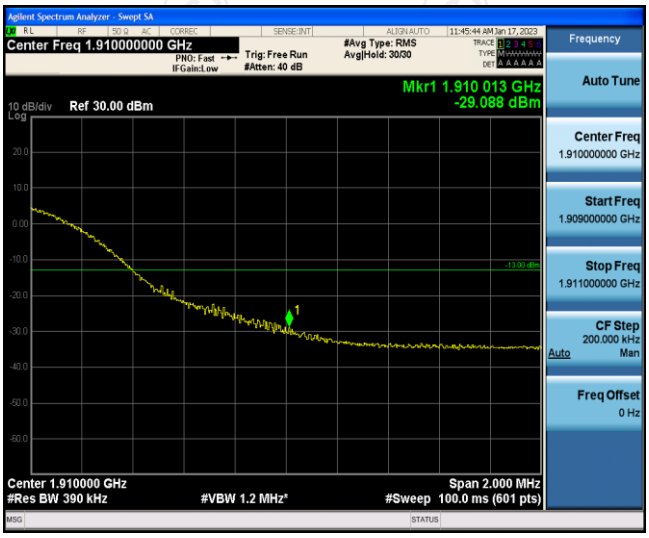


Band2-20MHz-QPSK-19100-100RB#0



Band2-20MHz-16QAM-18700-100RB#0

Band2-20MHz-16QAM-19100-100RB#0



Appendix E: Conducted Spurious Emission

Test Result

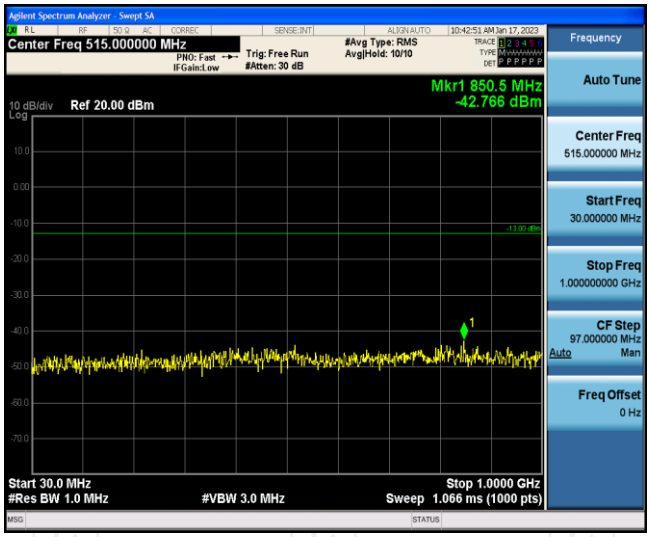
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	Range1:30~1000MHz	-42.77	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-26.1	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-42.51	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-25.87	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-42.54	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-25.36	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range1:30~1000MHz	-42.81	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	Range2:1000~20000MHz	-26.13	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-43.45	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-26.26	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range1:30~1000MHz	-43.48	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	Range2:1000~20000MHz	-24.72	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range1:30~1000MHz	-43.79	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range2:1000~20000MHz	-25.84	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-42.63	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-25.8	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range1:30~1000MHz	-43.12	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range2:1000~20000MHz	-26.21	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range1:30~1000MHz	-43.36	PASS
Band2	3MHz	16QAM	18615	1RB#0	Range2:1000~20000MHz	-26.15	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-43.2	PASS
Band2	3MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-25.81	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range1:30~1000MHz	-43.31	PASS
Band2	3MHz	16QAM	19185	1RB#0	Range2:1000~20000MHz	-25.33	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range1:30~1000MHz	-42.08	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range2:1000~20000MHz	-26.27	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-42.63	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-25.01	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range1:30~1000MHz	-42.53	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range2:1000~20000MHz	-26.47	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range1:30~1000MHz	-42.9	PASS
Band2	5MHz	16QAM	18625	1RB#0	Range2:1000~20000MHz	-26.01	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-43.08	PASS
Band2	5MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-26.22	PASS
Band2	5MHz	16QAM	19175	1RB#0	Range1:30~1000MHz	-43.32	PASS

Band2	5MHz	16QAM	19175	1RB#0	Range2:1000~20000MHz	-25.73	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range1:30~1000MHz	-43.12	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range2:1000~20000MHz	-25.67	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-42.07	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-26.27	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range1:30~1000MHz	-42.37	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range2:1000~20000MHz	-25.48	PASS
Band2	10MHz	16QAM	18650	1RB#0	Range1:30~1000MHz	-43.37	PASS
Band2	10MHz	16QAM	18650	1RB#0	Range2:1000~20000MHz	-26.08	PASS
Band2	10MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-43.41	PASS
Band2	10MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-26.11	PASS
Band2	10MHz	16QAM	19150	1RB#0	Range1:30~1000MHz	-42.75	PASS
Band2	10MHz	16QAM	19150	1RB#0	Range2:1000~20000MHz	-25.05	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range1:30~1000MHz	-42.46	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range2:1000~20000MHz	-25.99	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-43.42	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-26.27	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range1:30~1000MHz	-43.27	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range2:1000~20000MHz	-26.46	PASS
Band2	15MHz	16QAM	18675	1RB#0	Range1:30~1000MHz	-43.6	PASS
Band2	15MHz	16QAM	18675	1RB#0	Range2:1000~20000MHz	-24.5	PASS
Band2	15MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-41.92	PASS
Band2	15MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-25.81	PASS
Band2	15MHz	16QAM	19125	1RB#0	Range1:30~1000MHz	-42.95	PASS
Band2	15MHz	16QAM	19125	1RB#0	Range2:1000~20000MHz	-25.42	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-43.6	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-24.87	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-43.55	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-26.1	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-43.53	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-25.99	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range1:30~1000MHz	-42.56	PASS
Band2	20MHz	16QAM	18700	1RB#0	Range2:1000~20000MHz	-25.09	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range1:30~1000MHz	-42.17	PASS
Band2	20MHz	16QAM	18900	1RB#0	Range2:1000~20000MHz	-26.1	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range1:30~1000MHz	-43.73	PASS
Band2	20MHz	16QAM	19100	1RB#0	Range2:1000~20000MHz	-25.11	PASS

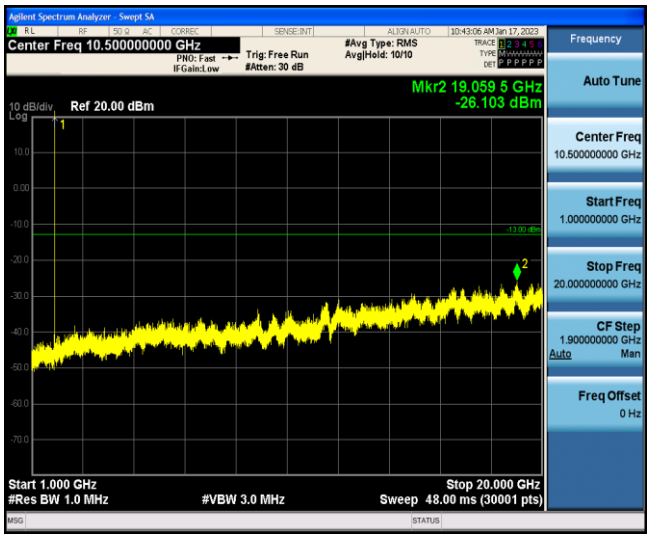
Test Graphs

Band2-1.4MHz-QPSK-18607-1RB#0-Range1:30~1000MHz

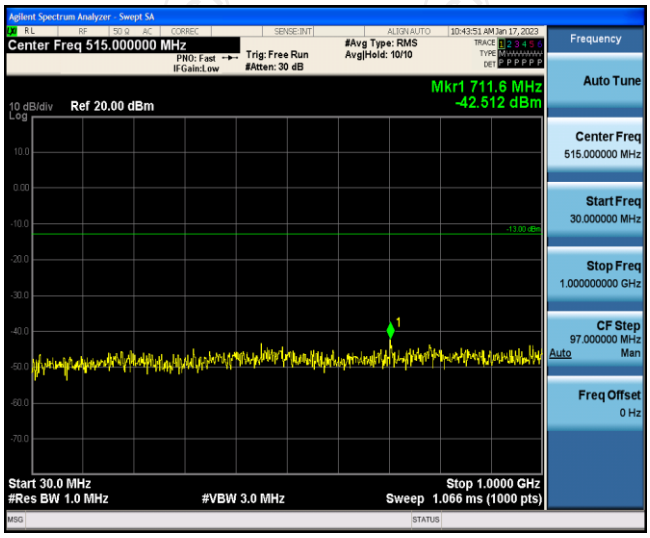
Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



Band2-1.4MHz-QPSK-18607-1RB#0-Range2:1000~20000MHz

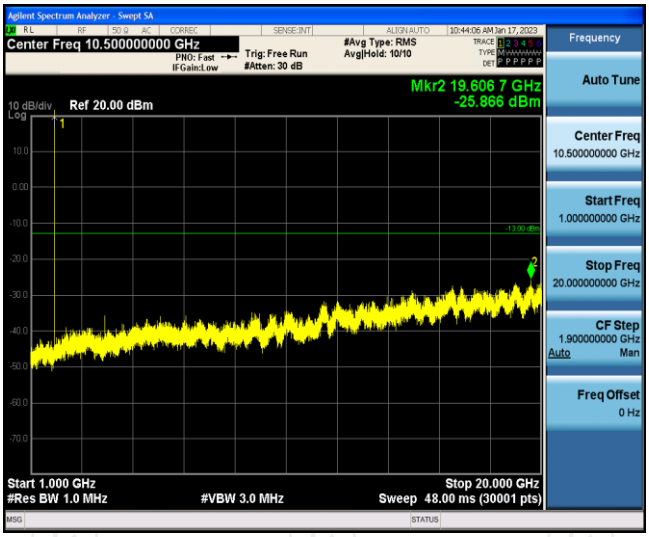


Band2-1.4MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



Band2-1.4MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com



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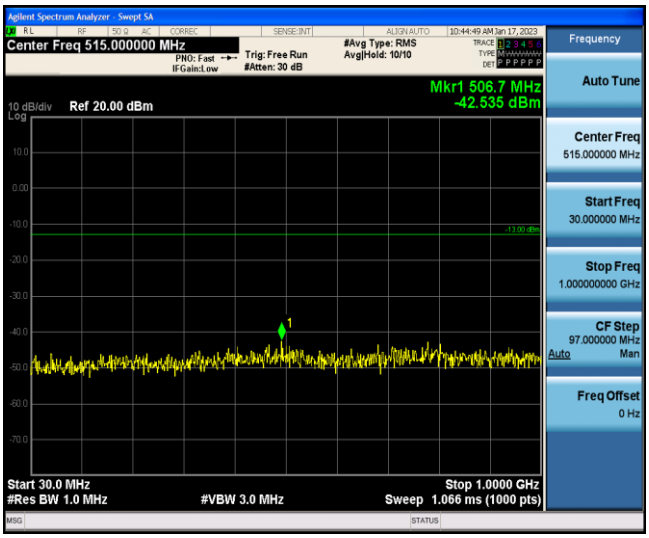
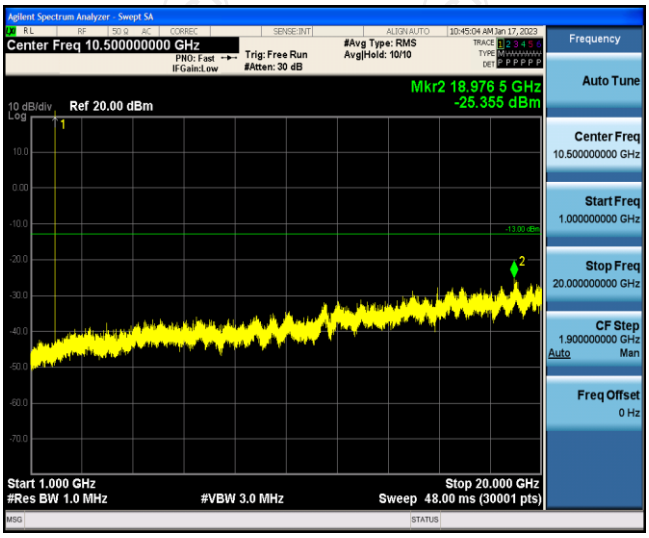
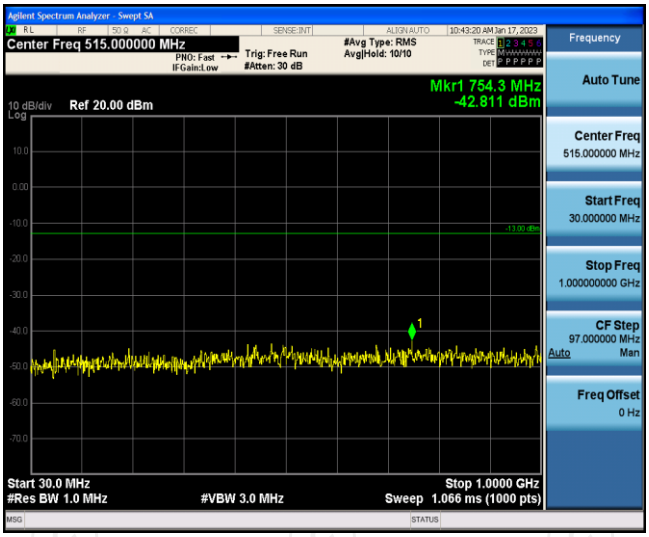


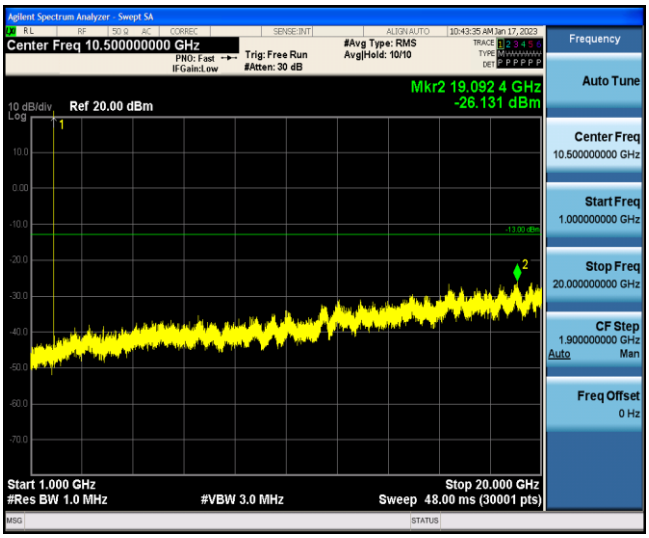
Band2-1.4MHz-QPSK-19193-1RB#0-Range2:1000~20000MHz



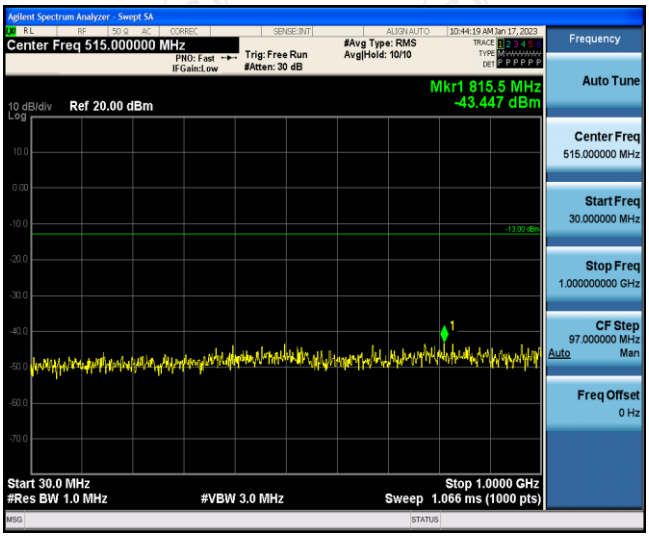
Band2-1.4MHz-16QAM-18607-1RB#0-Range1:30~1000MHz



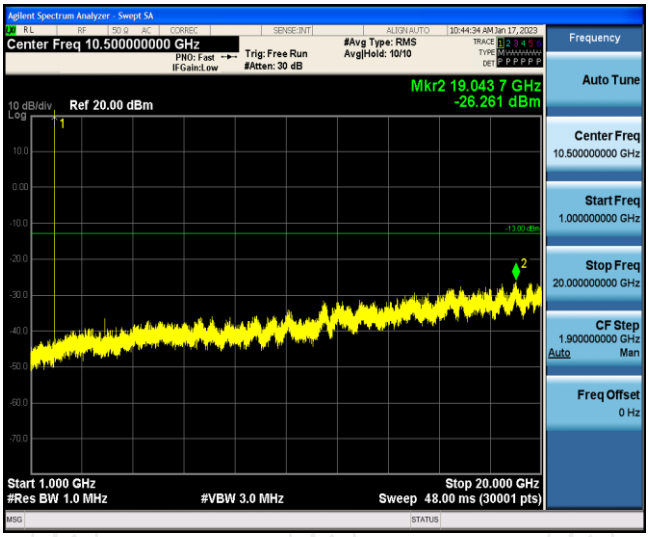
Band2-1.4MHz-16QAM-18607-1RB#0-Range2:1000~20000MHz



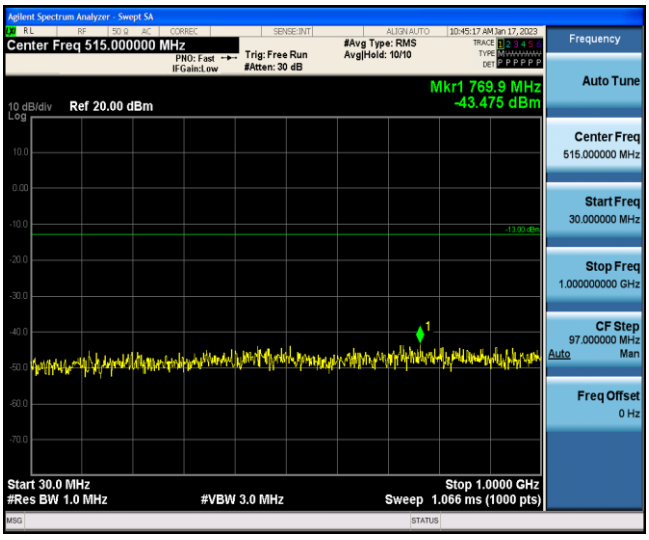
Band2-1.4MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



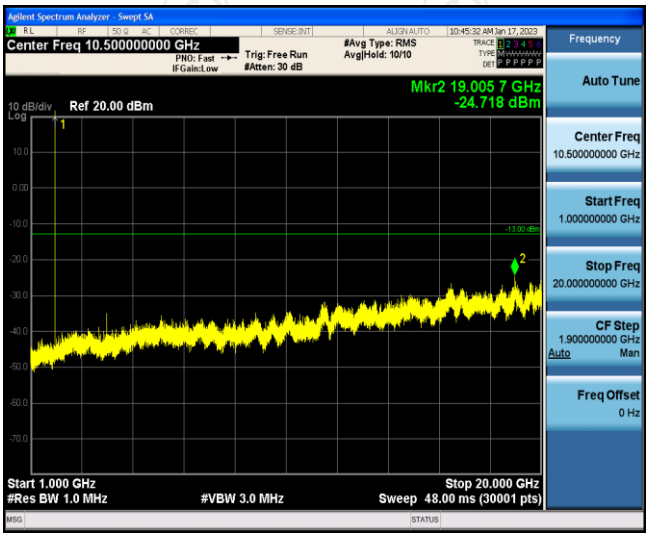
Band2-1.4MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



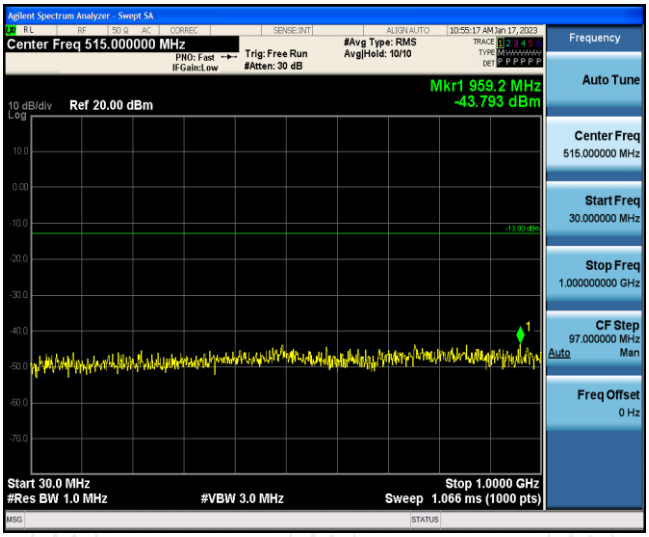
Band2-1.4MHz-16QAM-19193-1RB#0-Range1:30~1000MHz



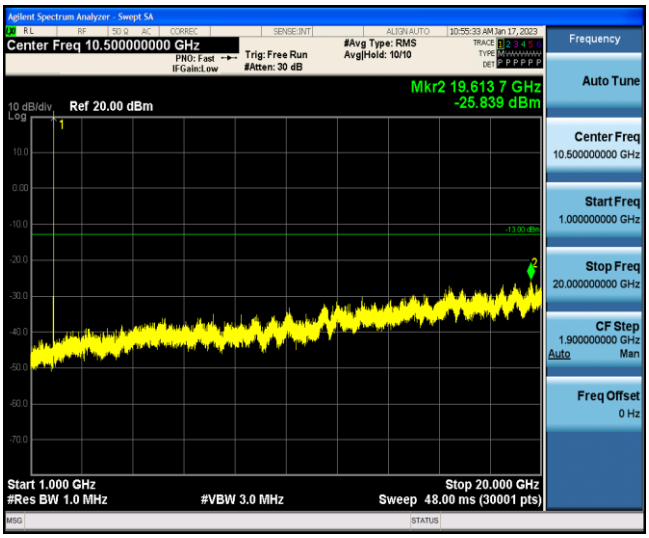
Band2-1.4MHz-16QAM-19193-1RB#0-Range2:1000~20000MHz



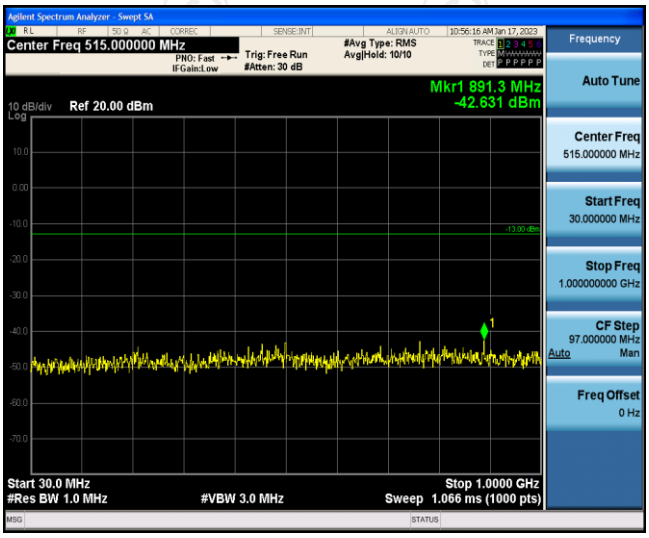
Band2-3MHz-QPSK-18615-1RB#0-Range1:30~1000MHz



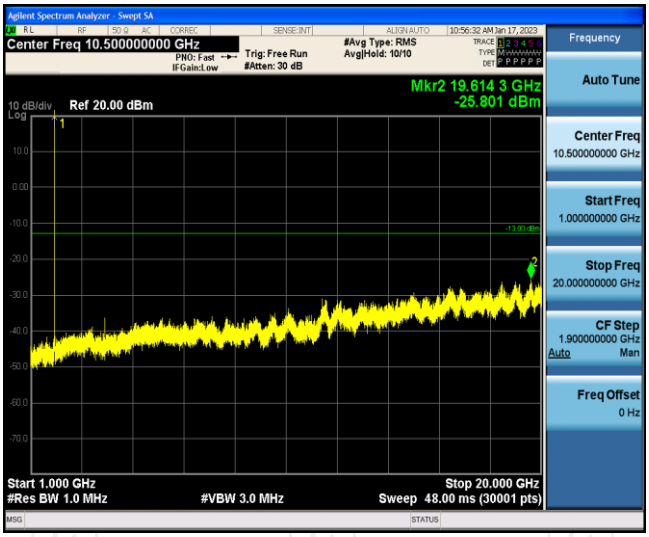
Band2-3MHz-QPSK-18615-1RB#0-Range2:1000~20000MHz



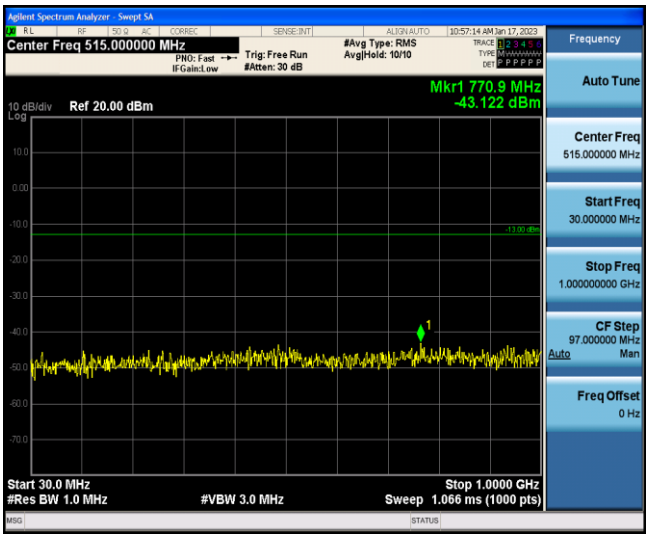
Band2-3MHz-QPSK-18900-1RB#0-Range1:30~1000MHz



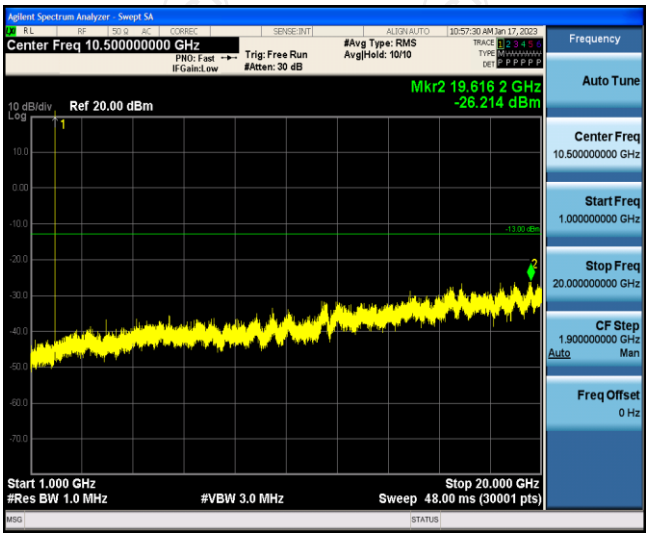
Band2-3MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



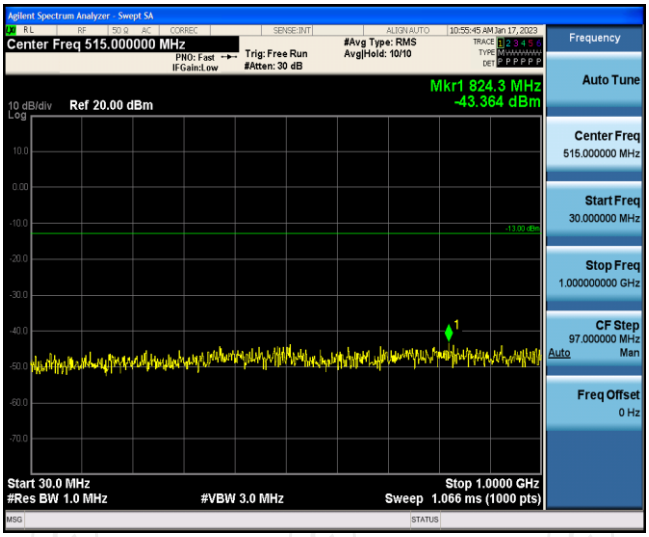
Band2-3MHz-QPSK-19185-1RB#0-Range1:30~1000MHz



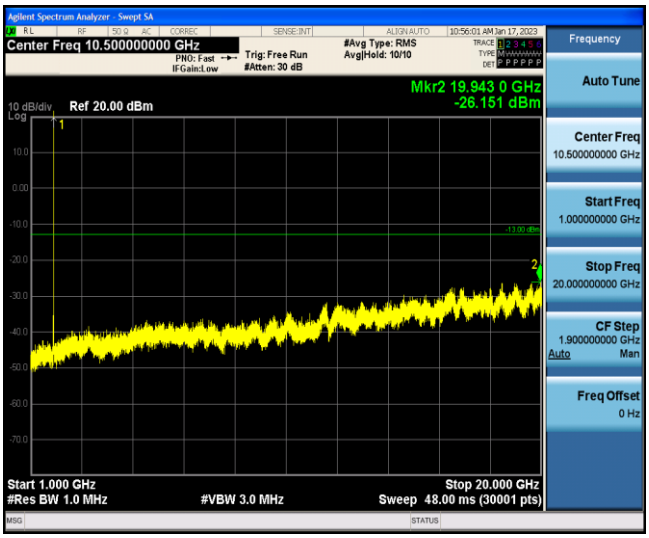
Band2-3MHz-QPSK-19185-1RB#0-Range2:1000~20000MHz



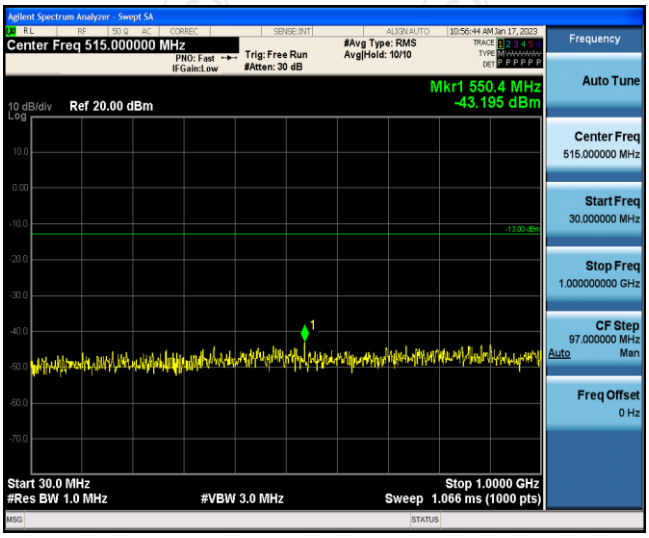
Band2-3MHz-16QAM-18615-1RB#0-Range1:30~1000MHz



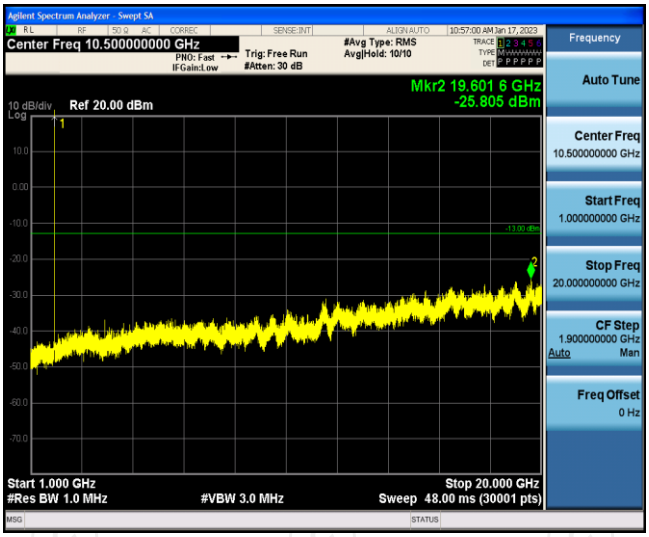
Band2-3MHz-16QAM-18615-1RB#0-Range2:1000~20000MHz



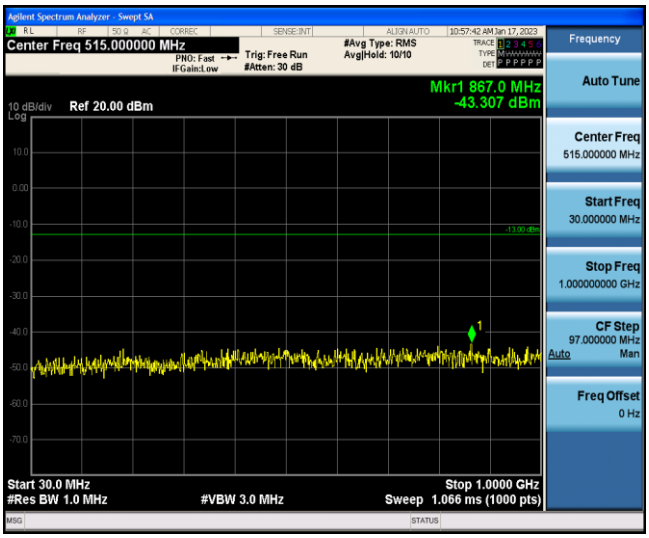
Band2-3MHz-16QAM-18900-1RB#0-Range1:30~1000MHz



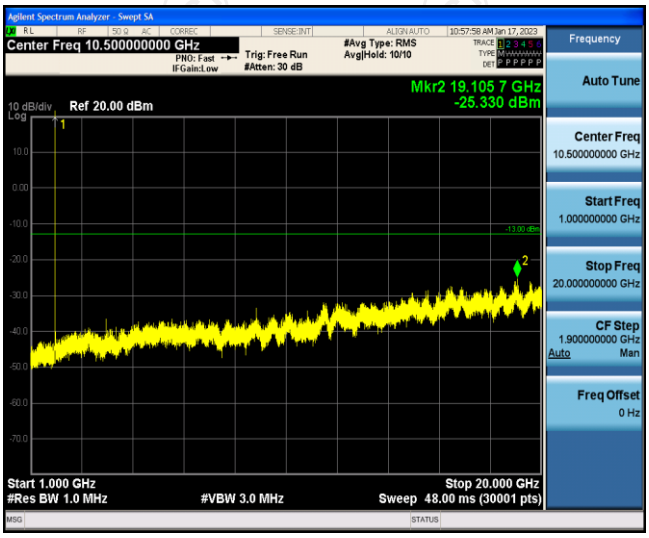
Band2-3MHz-16QAM-18900-1RB#0-Range2:1000~20000MHz



Band2-3MHz-16QAM-19185-1RB#0-Range1:30~1000MHz



Band2-3MHz-16QAM-19185-1RB#0-Range2:1000~20000MHz



Band2-5MHz-QPSK-18625-1RB#0-Range1:30~1000MHz