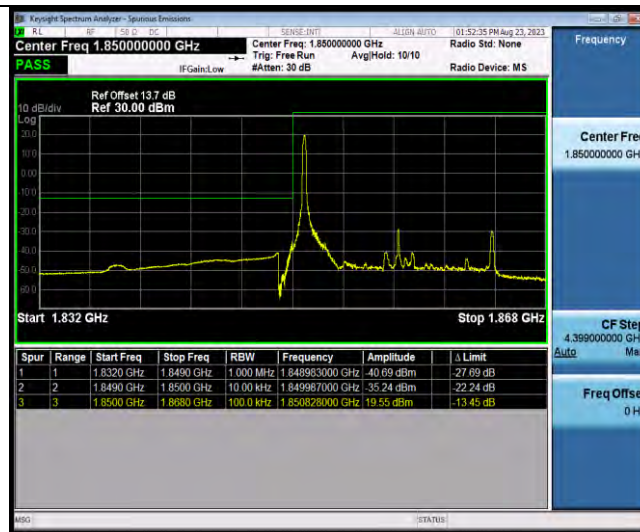


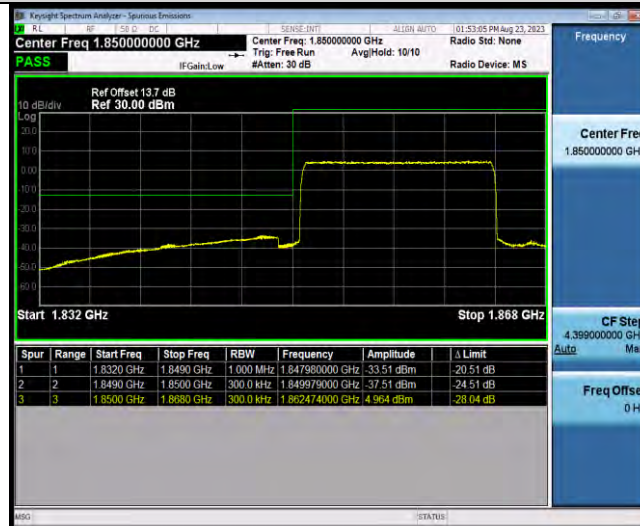


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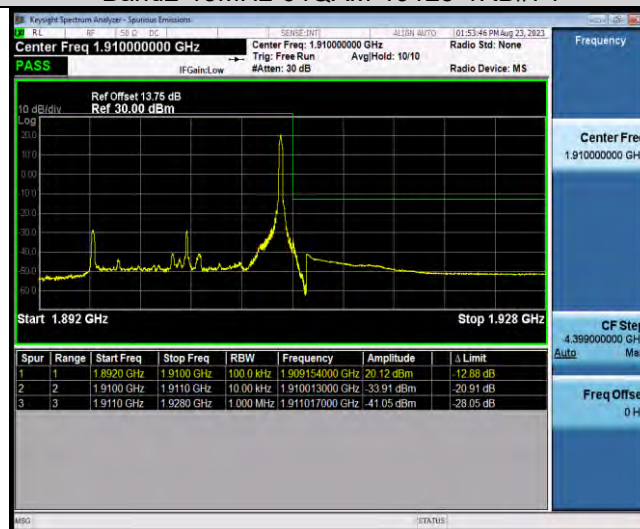
Test Report No.: W7L-P23080017RF05



Band2-15MHz-64QAM-18675-75RB#0



Band2-15MHz-64QAM-19125-1RB#74



Band2-15MHz-64QAM-19125-75RB#0

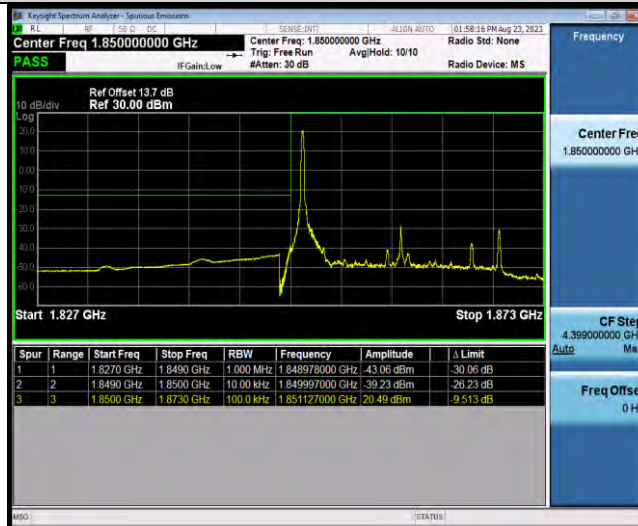


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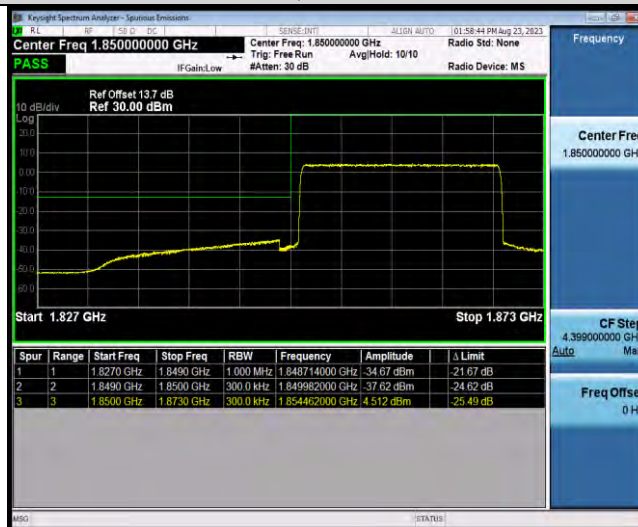
Test Report No.: W7L-P23080017RF05



Band2-20MHz-QPSK-18700-1RB#0



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

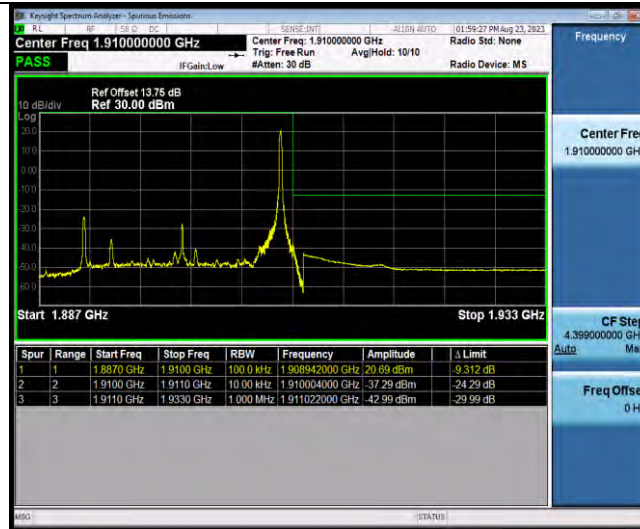


Band2-20MHz-QPSK-19100-1RB#99

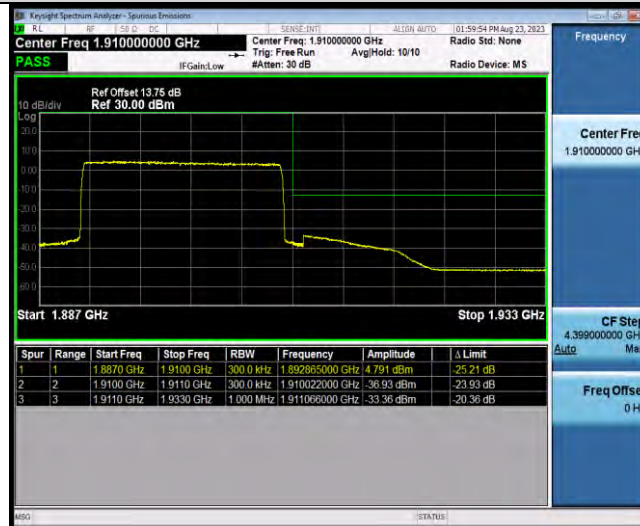


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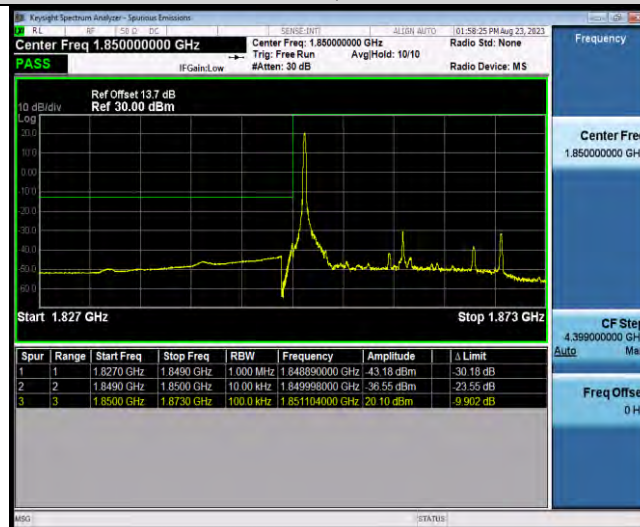
Test Report No.: W7L-P23080017RF05



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



Band2-20MHz-16QAM-18700-1RB#0

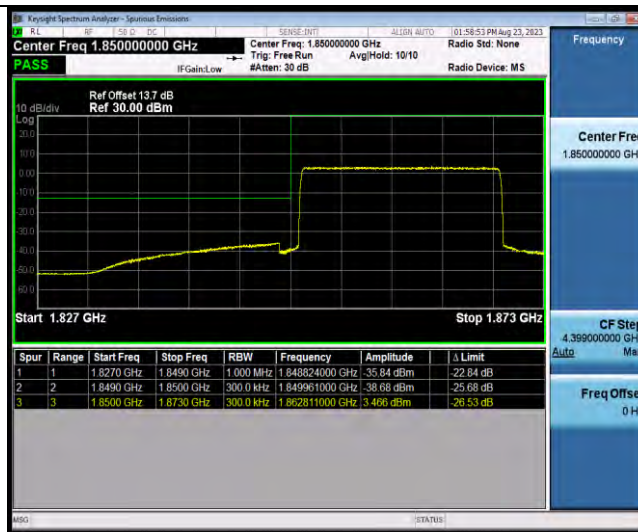


Band2-20MHz-16QAM-18700-100RB#0

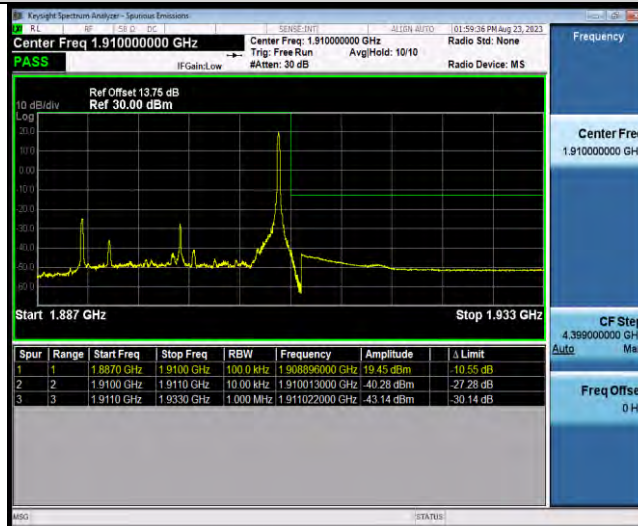


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Test Report No.: W7L-P23080017RF05



Band2-20MHz-16QAM-19100-1RB#99



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

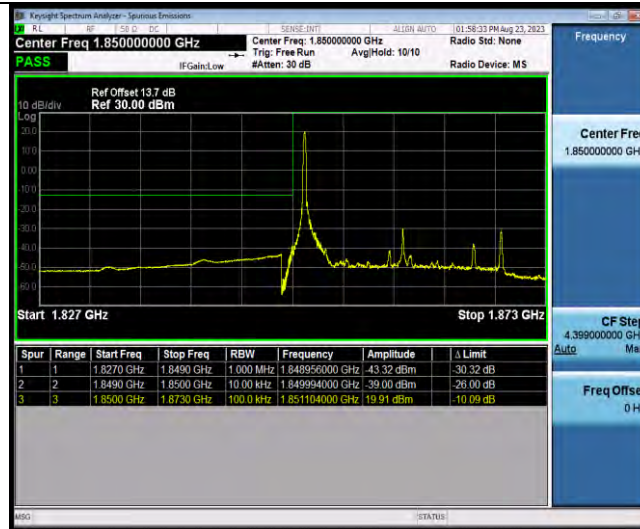


Band2-20MHz-64QAM-18700-1RB#0

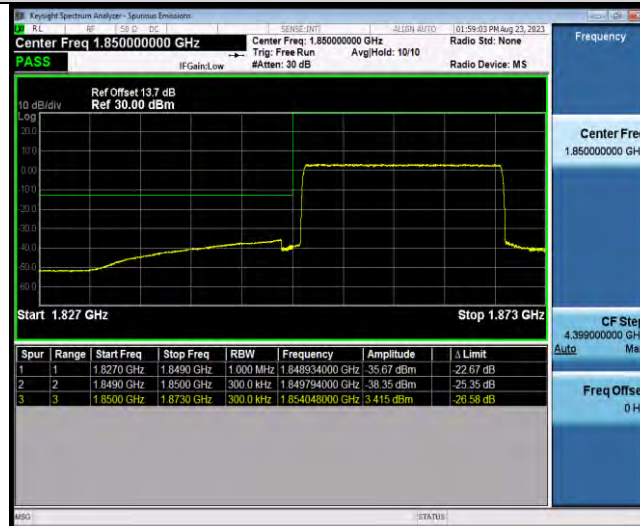


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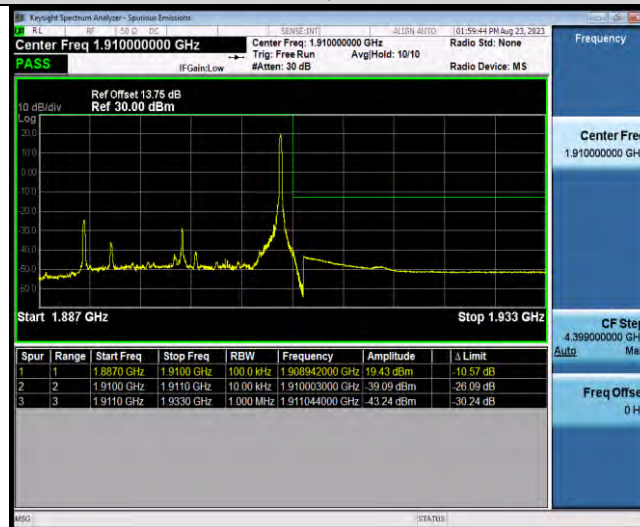
Test Report No.: W7L-P23080017RF05



Band2-20MHz-64QAM-18700-100RB#0



Band2-20MHz-64QAM-19100-1RB#99



Band2-20MHz-64QAM-19100-100RB#0



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Test Report No.: W7L-P23080017RF05



**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	-29.76	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	Range2:1000~20000MHz	-32.27	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-29.41	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-33.49	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range1:30~1000MHz	-30.44	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	Range2:1000~20000MHz	-30.99	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range1:30~1000MHz	-30.46	PASS
Band2	3MHz	QPSK	18615	1RB#0	Range2:1000~20000MHz	-32.96	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-30.3	PASS
Band2	3MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-32.5	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range1:30~1000MHz	-30.84	PASS
Band2	3MHz	QPSK	19185	1RB#0	Range2:1000~20000MHz	-32.94	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range1:30~1000MHz	-30.66	PASS
Band2	5MHz	QPSK	18625	1RB#0	Range2:1000~20000MHz	-32.72	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-30.39	PASS
Band2	5MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-32.59	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range1:30~1000MHz	-30.68	PASS
Band2	5MHz	QPSK	19175	1RB#0	Range2:1000~20000MHz	-33.49	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range1:30~1000MHz	-29.9	PASS
Band2	10MHz	QPSK	18650	1RB#0	Range2:1000~20000MHz	-32.29	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-30.99	PASS
Band2	10MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-33.32	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range1:30~1000MHz	-30.44	PASS
Band2	10MHz	QPSK	19150	1RB#0	Range2:1000~20000MHz	-33.12	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range1:30~1000MHz	-30.97	PASS
Band2	15MHz	QPSK	18675	1RB#0	Range2:1000~20000MHz	-33.16	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-29.77	PASS
Band2	15MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-32.82	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range1:30~1000MHz	-29.28	PASS
Band2	15MHz	QPSK	19125	1RB#0	Range2:1000~20000MHz	-32.85	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range1:30~1000MHz	-30.31	PASS
Band2	20MHz	QPSK	18700	1RB#0	Range2:1000~20000MHz	-32.79	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range1:30~1000MHz	-30.94	PASS
Band2	20MHz	QPSK	18900	1RB#0	Range2:1000~20000MHz	-33.11	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range1:30~1000MHz	-30.57	PASS
Band2	20MHz	QPSK	19100	1RB#0	Range2:1000~20000MHz	-33.2	PASS

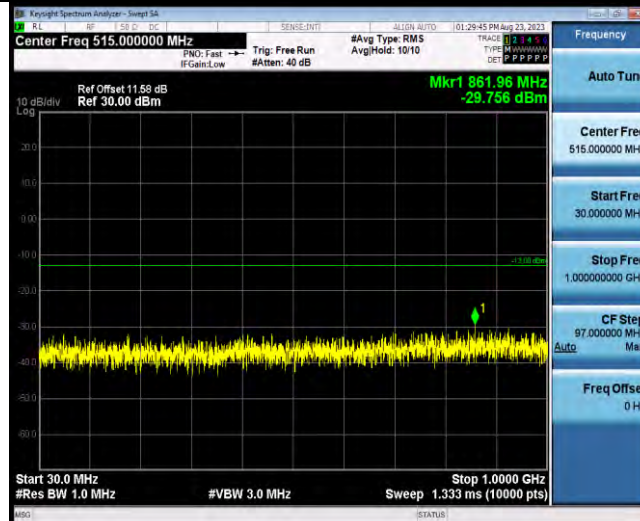


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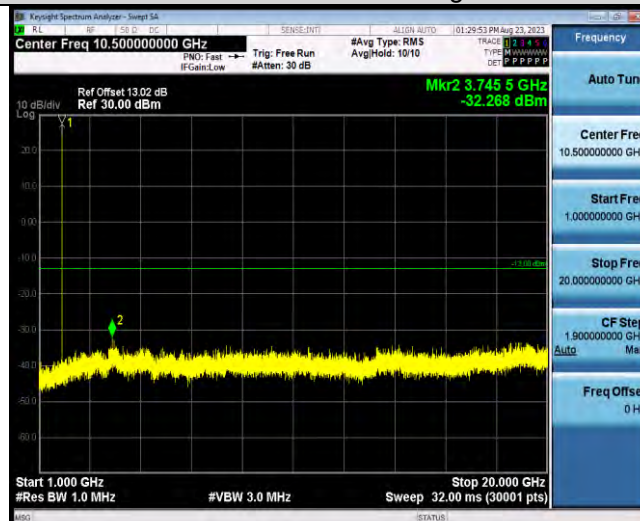
Test Report No.: W7L-P23080017RF05

Test Graphs

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



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

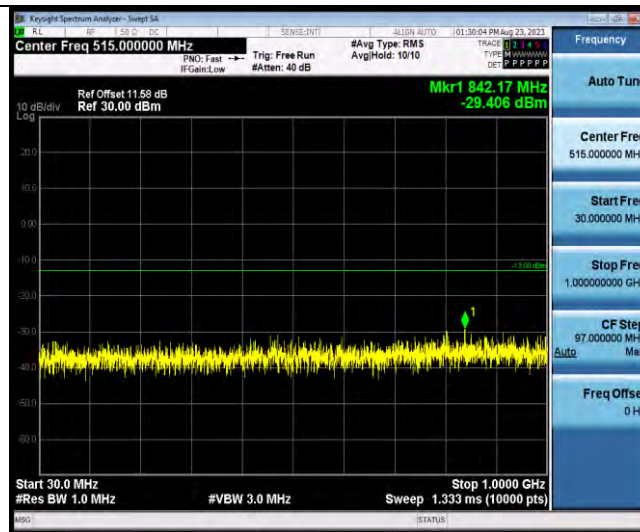


Band2-1.4MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

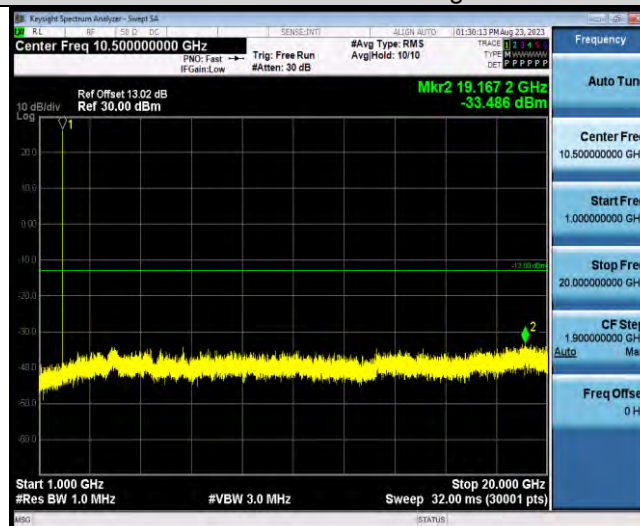


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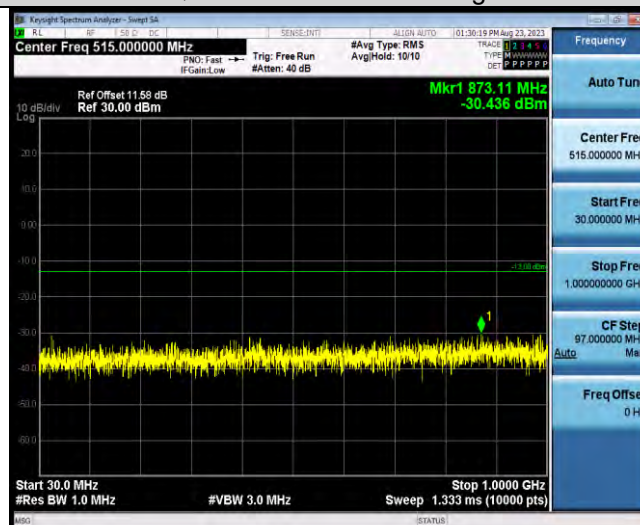
Test Report No.: W7L-P23080017RF05



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



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

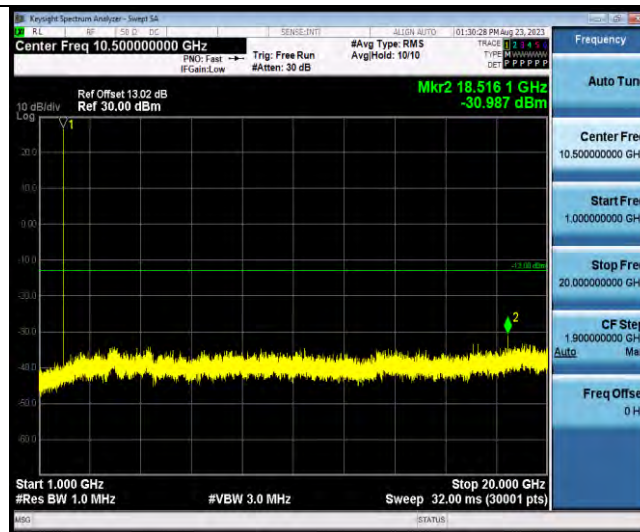


Band2-1.4MHz-QPSK-19193-1RB#0-Range2:1000~20000MHz

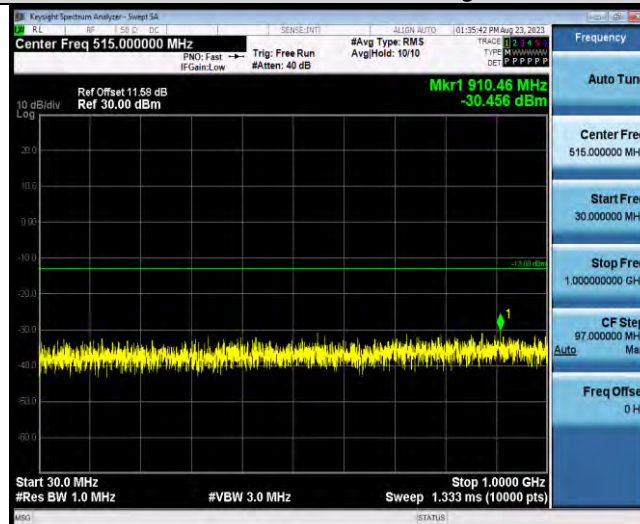


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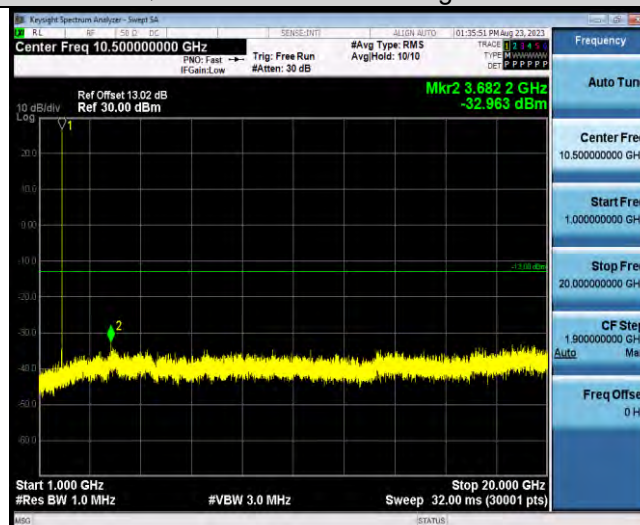
Test Report No.: W7L-P23080017RF05



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



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

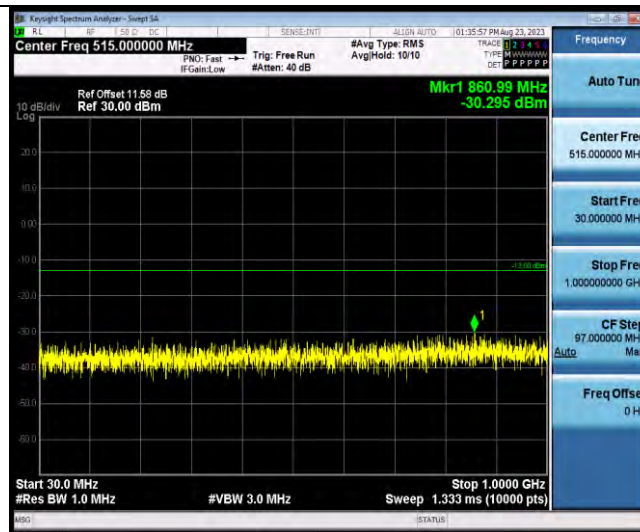


Band2-3MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

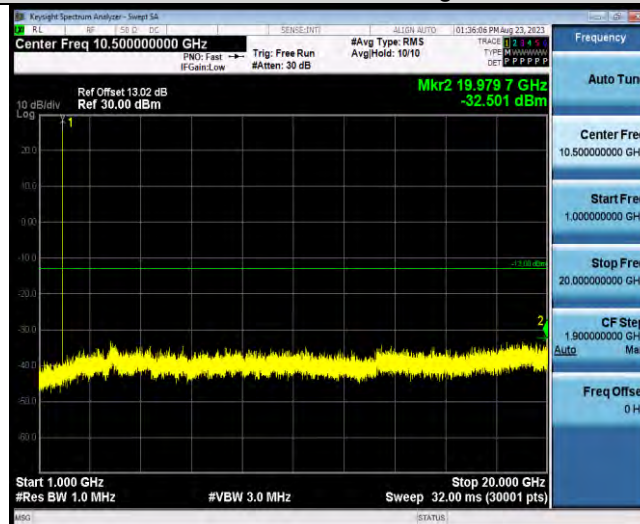


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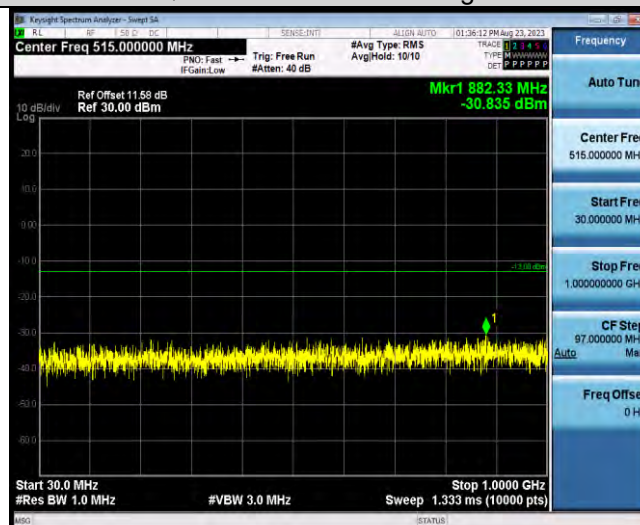
Test Report No.: W7L-P23080017RF05



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



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

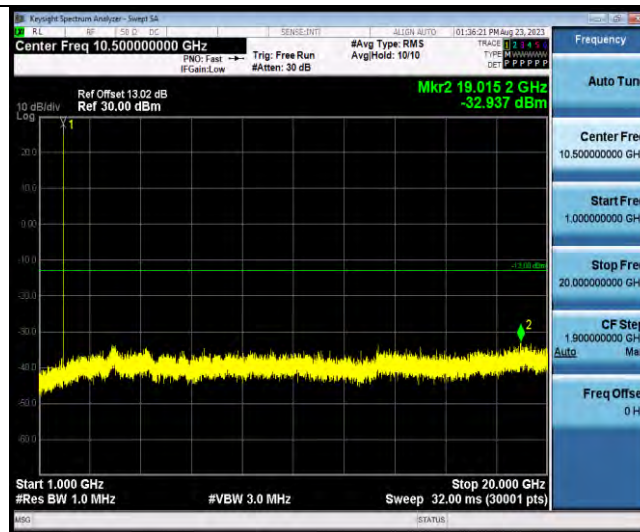


Band2-3MHz-QPSK-19185-1RB#0-Range2:1000~20000MHz

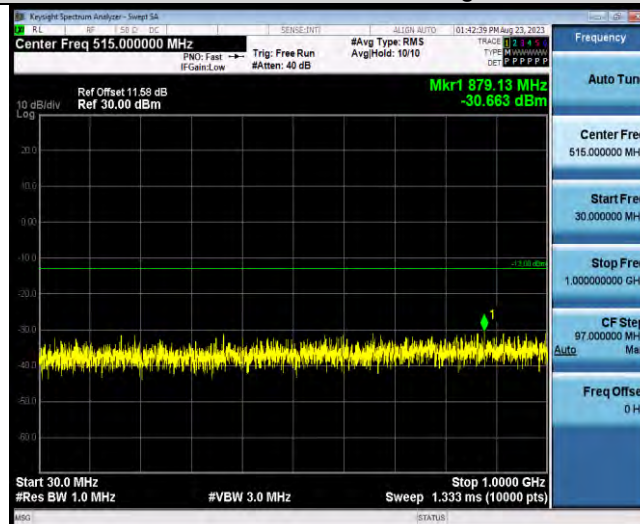


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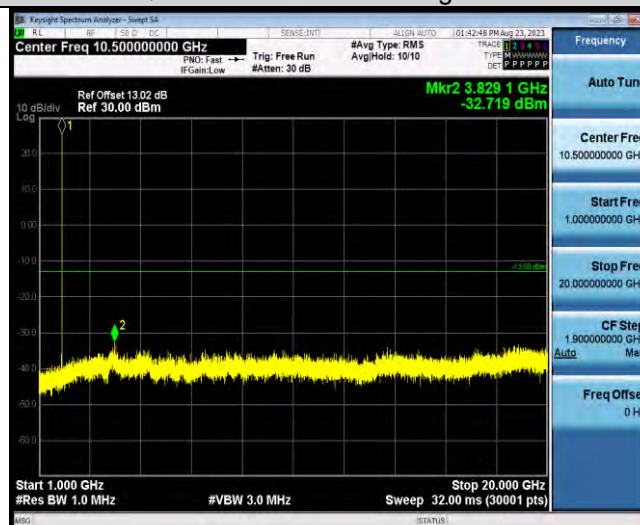
Test Report No.: W7L-P23080017RF05



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



Band2-5MHz-QPSK-18625-1RB#0-Range2:1000~20000MHz

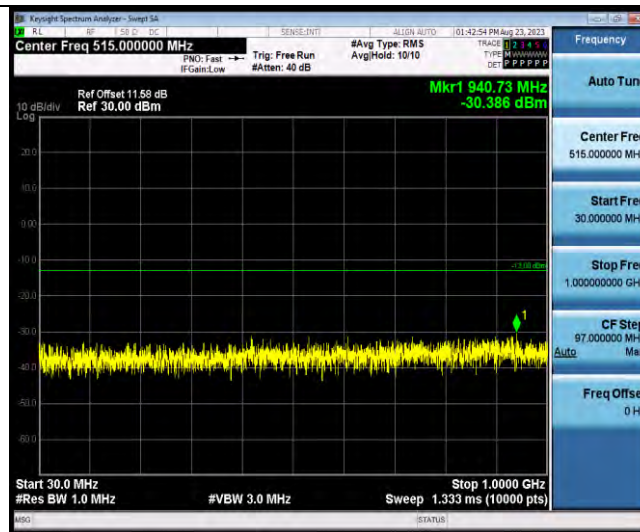


Band2-5MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

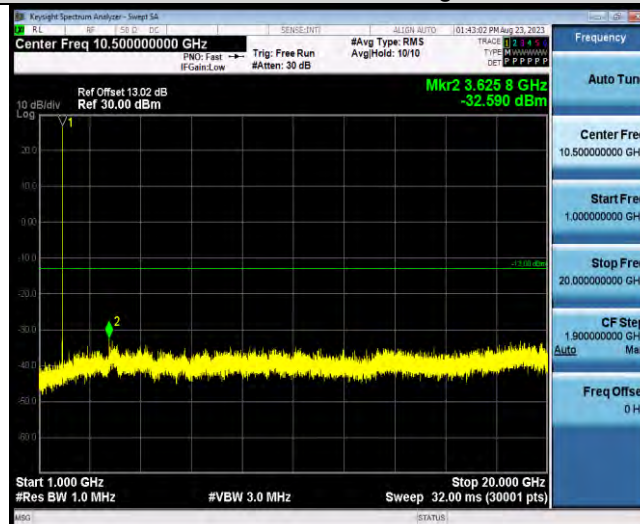


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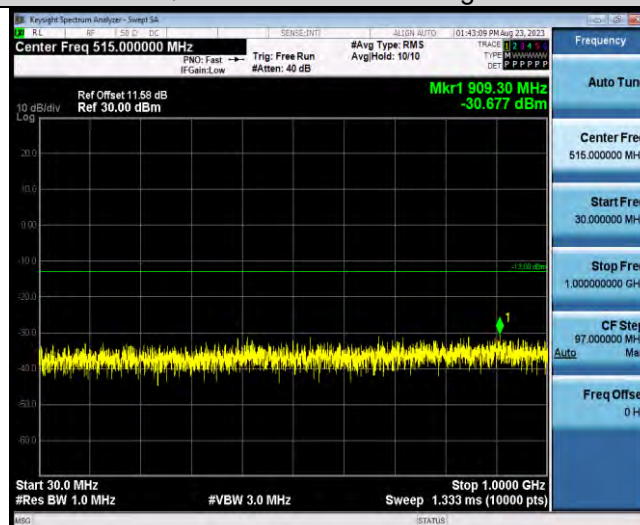
Test Report No.: W7L-P23080017RF05



Band2-5MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



Band2-5MHz-QPSK-19175-1RB#0-Range1:30~1000MHz

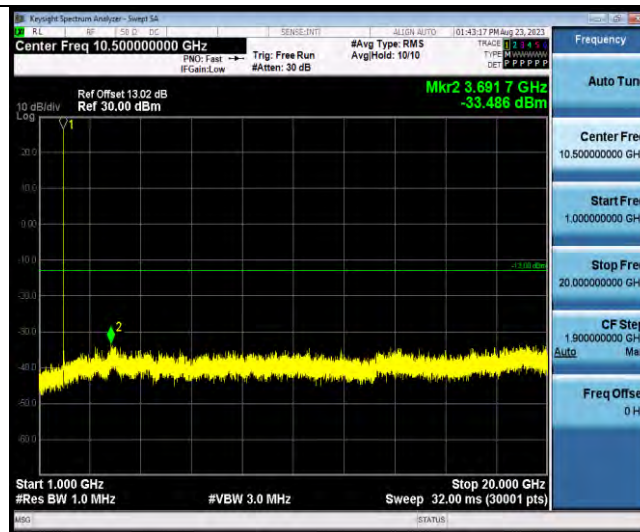


Band2-5MHz-QPSK-19175-1RB#0-Range2:1000~20000MHz

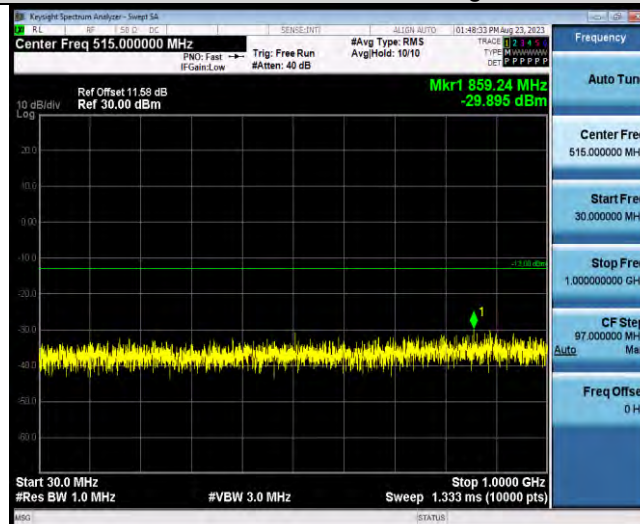


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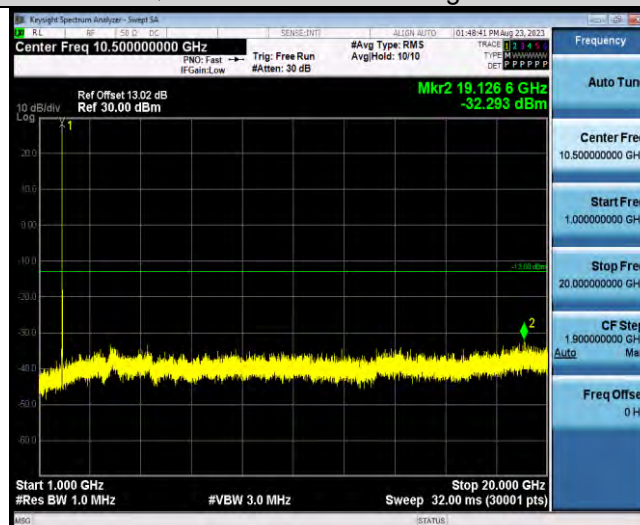
Test Report No.: W7L-P23080017RF05



Band2-10MHz-QPSK-18650-1RB#0-Range1:30~1000MHz



Band2-10MHz-QPSK-18650-1RB#0-Range2:1000~2000MHz

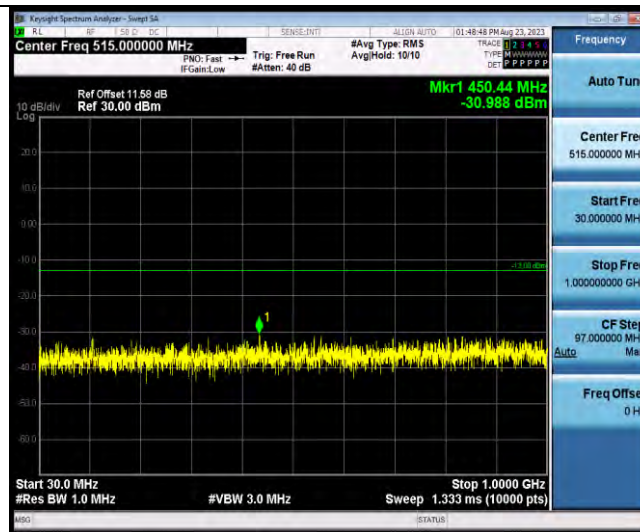


Band2-10MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

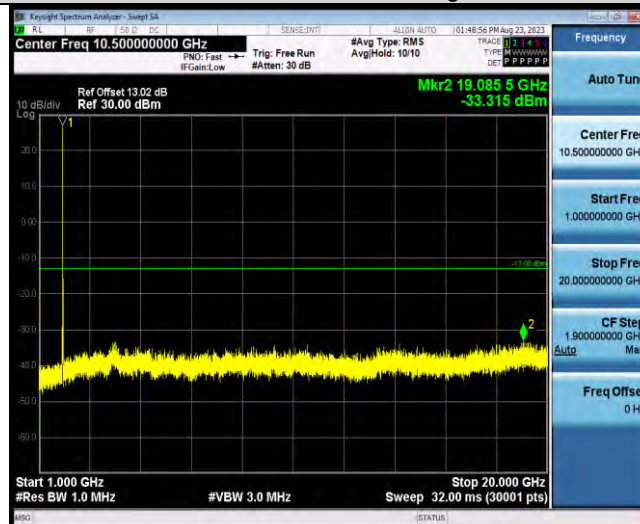


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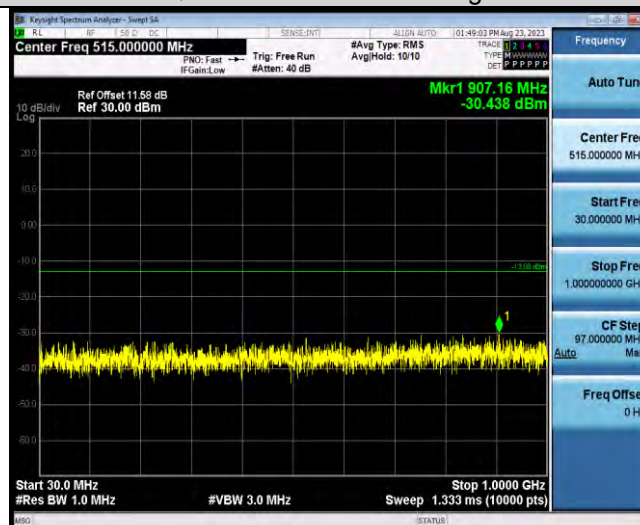
Test Report No.: W7L-P23080017RF05



Band2-10MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



Band2-10MHz-QPSK-19150-1RB#0-Range1:30~1000MHz

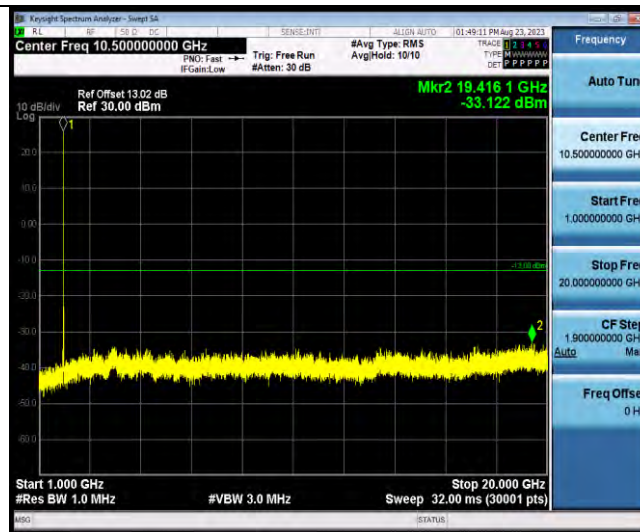


Band2-10MHz-QPSK-19150-1RB#0-Range2:1000~20000MHz



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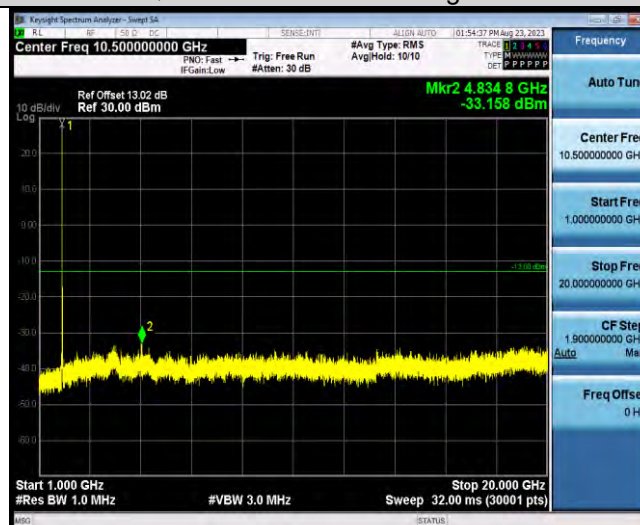
Test Report No.: W7L-P23080017RF05



Band2-15MHz-QPSK-18675-1RB#0-Range1:30~1000MHz



Band2-15MHz-QPSK-18675-1RB#0-Range2:1000~2000MHz

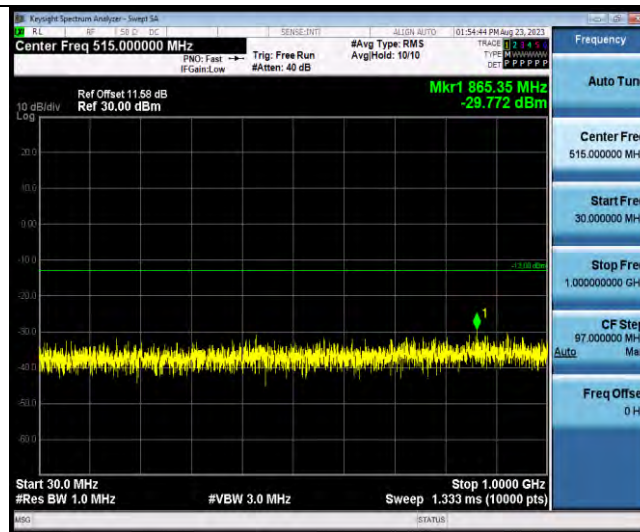


Band2-15MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

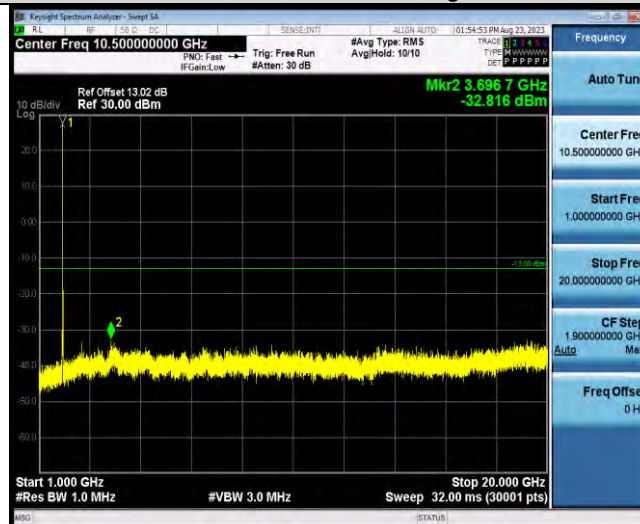


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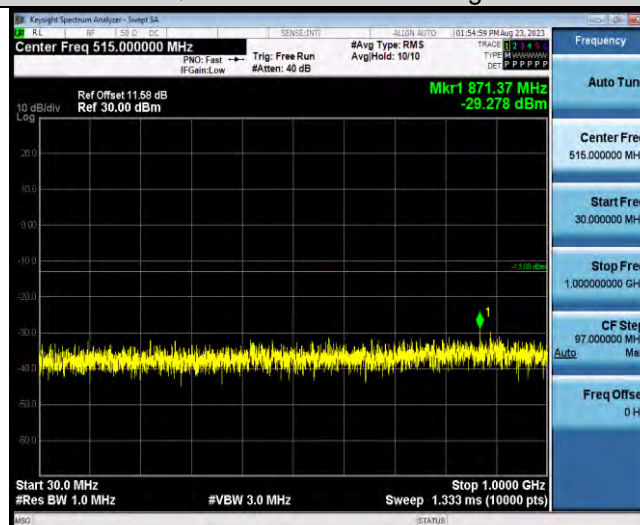
Test Report No.: W7L-P23080017RF05



Band2-15MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



Band2-15MHz-QPSK-19125-1RB#0-Range1:30~1000MHz



Band2-15MHz-QPSK-19125-1RB#0-Range2:1000~20000MHz

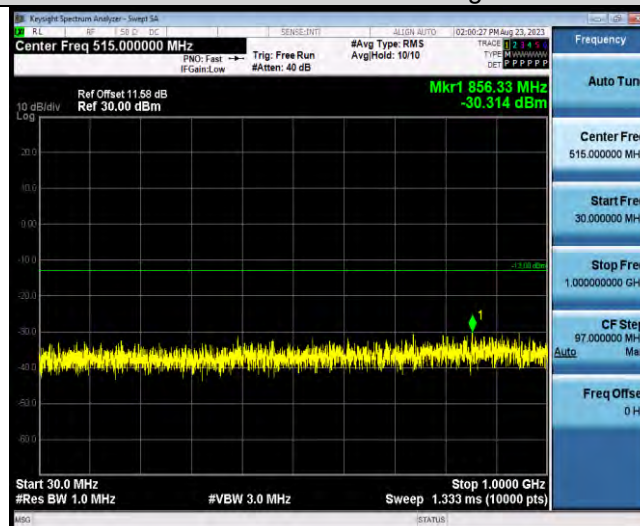


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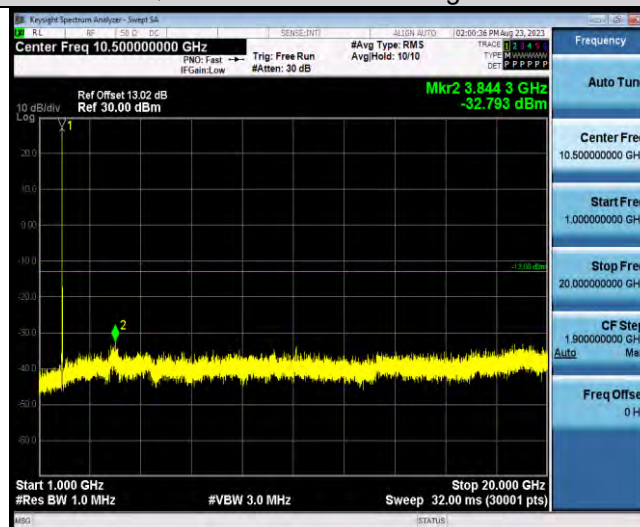
Test Report No.: W7L-P23080017RF05



Band2-20MHz-QPSK-18700-1RB#0-Range1:30~1000MHz



Band2-20MHz-QPSK-18700-1RB#0-Range2:1000~20000MHz

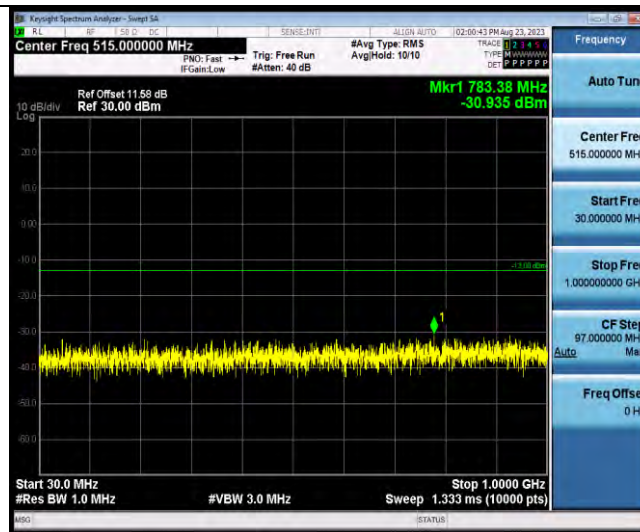


Band2-20MHz-QPSK-18900-1RB#0-Range1:30~1000MHz

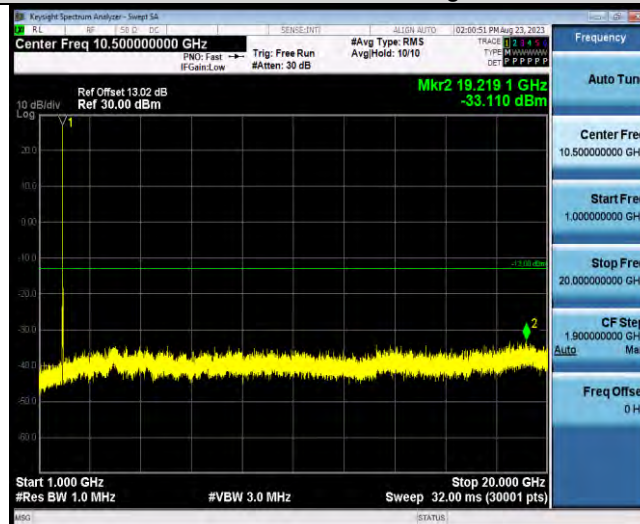


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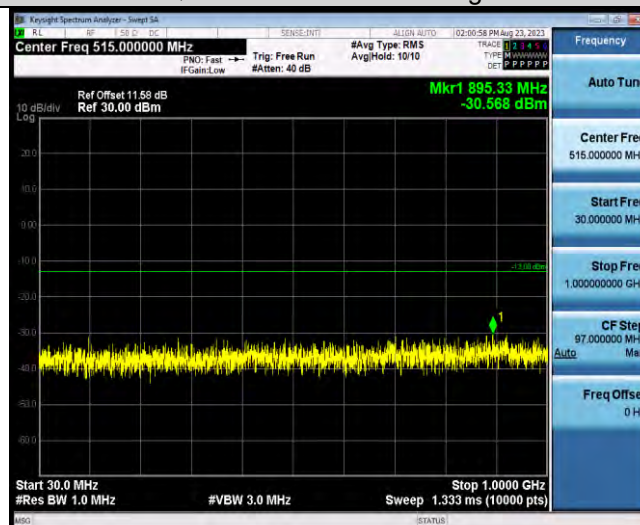
Test Report No.: W7L-P23080017RF05



Band2-20MHz-QPSK-18900-1RB#0-Range2:1000~20000MHz



Band2-20MHz-QPSK-19100-1RB#0-Range1:30~1000MHz



Band2-20MHz-QPSK-19100-1RB#0-Range2:1000~20000MHz



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Test Report No.: W7L-P23080017RF05





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Test Report No.: W7L-P23080017RF05

FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	LV	NT	-15.86	-0.008527	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	NT	-14.81	-0.007962	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	HV	NT	-3.86	-0.002075	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	LV	NT	-17.58	-0.009351	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	NT	-12.22	-0.006500	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	HV	NT	-14.88	-0.007915	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	LV	NT	-18.24	-0.009600	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	NT	12.75	0.006711	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	HV	NT	-15.89	-0.008363	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18700	100RB#0	NV	-30	9.31	0.005005	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-20	-4.63	-0.002489	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	-10	-7.57	-0.004070	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	0	-17.17	-0.009231	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	10	-12.80	-0.006882	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	20	-12.47	-0.006704	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	30	8.31	0.004468	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	40	-8.44	-0.004538	±2.5	PASS
Band2	20MHz	QPSK	18700	100RB#0	NV	50	-14.55	-0.007823	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-13.19	-0.007016	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-16.45	-0.008750	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-12.85	-0.006835	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-18.41	-0.009793	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-8.93	-0.004750	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-17.95	-0.009548	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-19.00	-0.010106	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-10.77	-0.005729	±2.5	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-6.85	-0.003644	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-30	-19.03	-0.010016	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-20	-3.48	-0.001832	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	-10	-15.09	-0.007942	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	0	-14.10	-0.007421	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	10	-2.05	-0.001079	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	20	8.91	0.004689	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	30	7.67	0.004037	±2.5	PASS
Band2	20MHz	QPSK	19100	100RB#0	NV	40	7.10	0.003737	±2.5	PASS



Band2	20MHz	QPSK	19100	100RB#0	NV	50	-17.37	-0.009142	±2.5	PASS
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MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	1851.026481	≥ 1850	PASS
$f_H + \text{MAX}(\Delta f) $	1908.978019	≤ 1910	

- Note :
1. $|\text{MAX}(\Delta f)|$ = Max Deviation
 2. f_L = Occ low channel f_L (-13dBm/MHz)
 3. f_H = Occ High channel f_H (-13dBm/MHz)
 4. $|\text{MAX}(\Delta f)|$ =19.03 Hz.

---END---