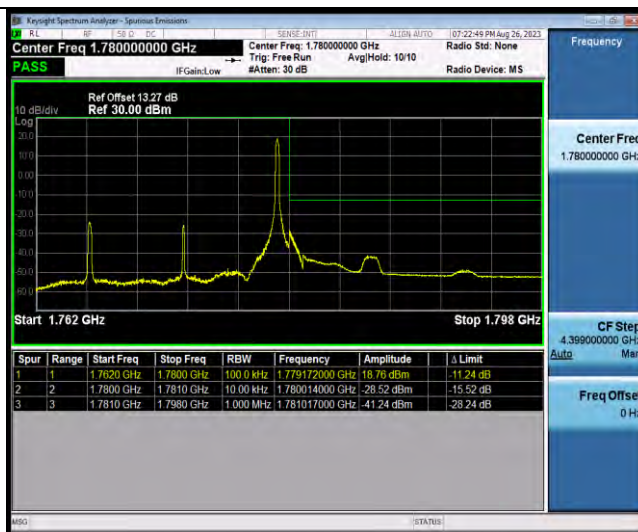
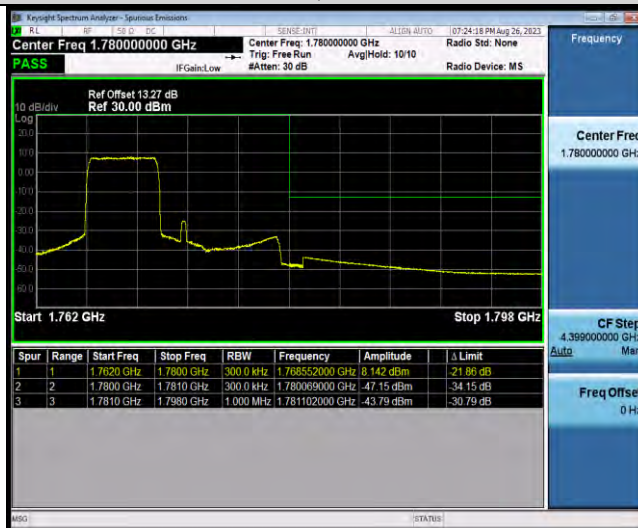
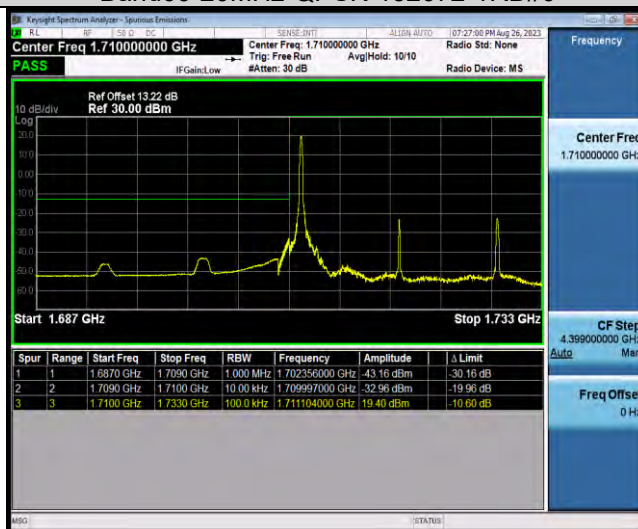




Band66-15MHz-16QAM-132597-27RB#48



Band66-20MHz-QPSK-132072-1RB#0

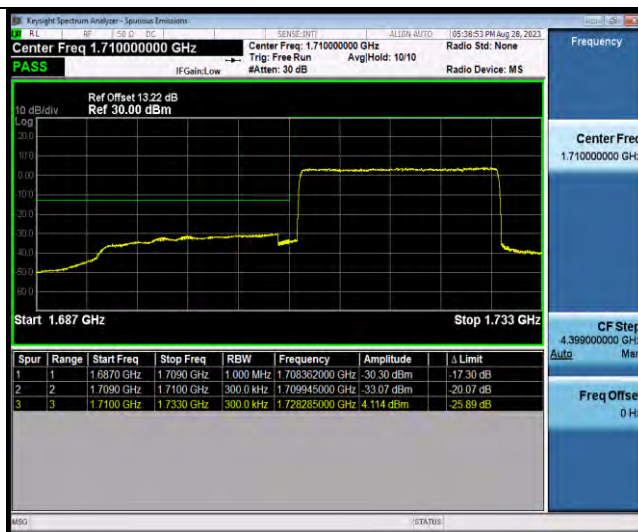


Band66-20MHz-QPSK-132072-100RB#0

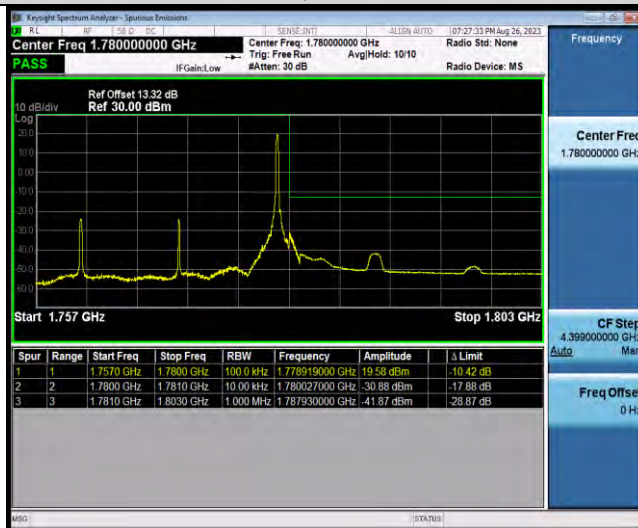


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Test Report No.: W7L-P23070009RF04



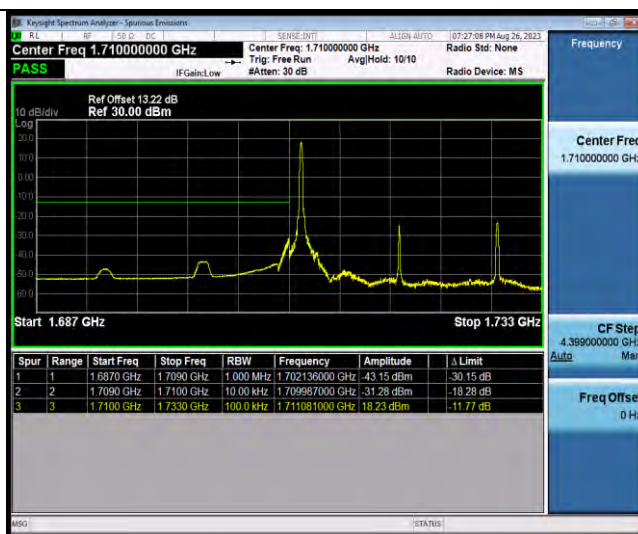
Band66-20MHz-QPSK-132572-1RB#99



Band66-20MHz-QPSK-132572-100RB#0



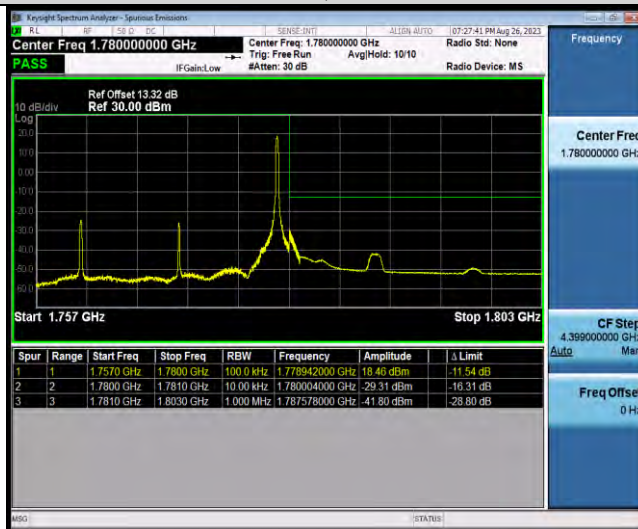
Band66-20MHz-16QAM-132072-1RB#0



Band66-20MHz-16QAM-132072-27RB#0



Band66-20MHz-16QAM-132572-1RB#99



Band66-20MHz-16QAM-132572-27RB#73



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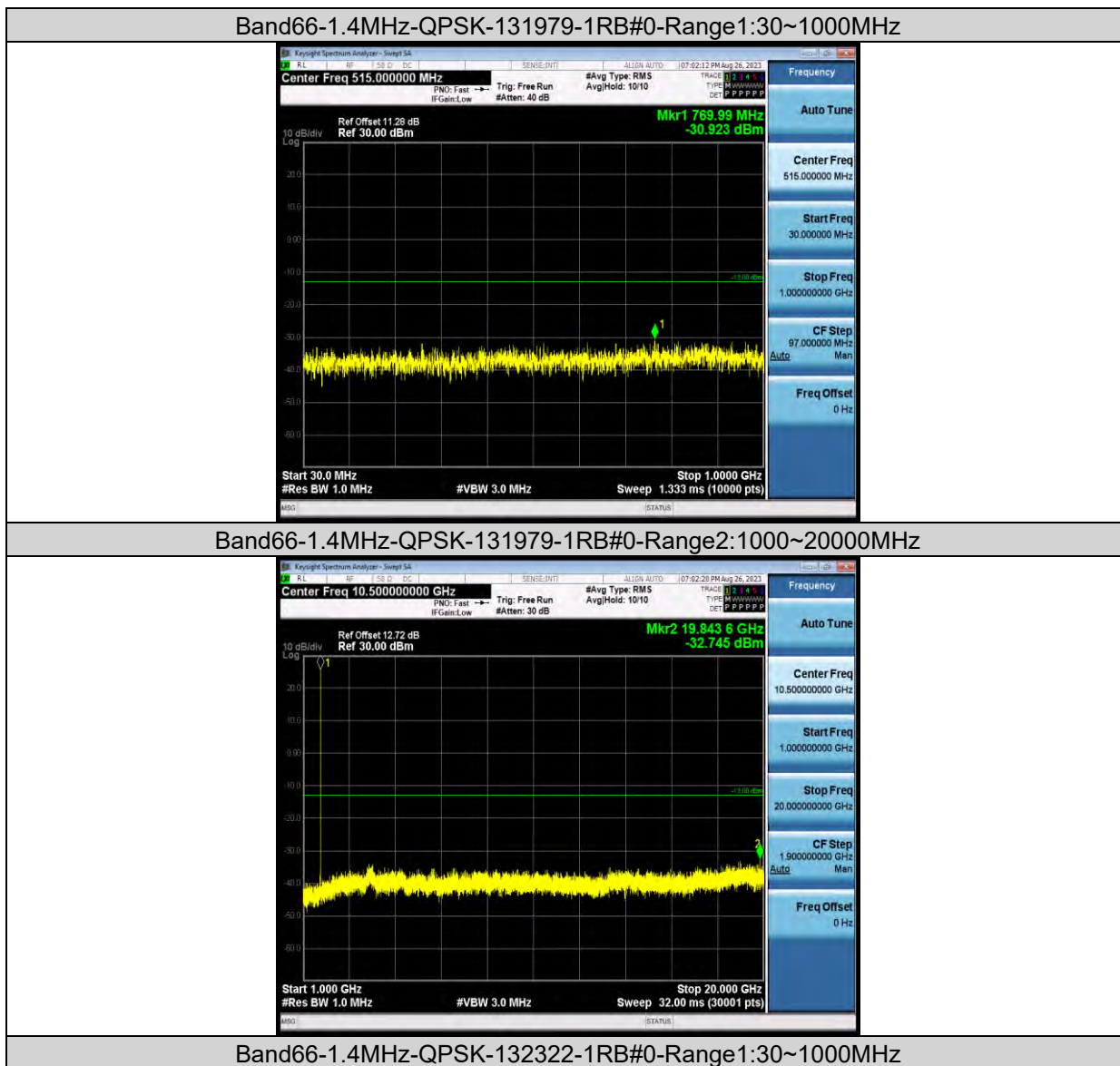


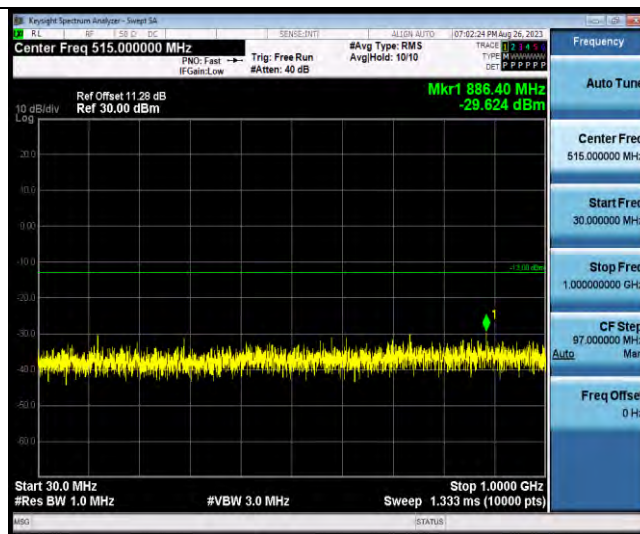
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band66	1.4MHz	QPSK	131979	1RB#0	Range1:30~1000MHz	-30.92	PASS
Band66	1.4MHz	QPSK	131979	1RB#0	Range2:1000~20000MHz	-32.75	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-29.62	PASS
Band66	1.4MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-33.72	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range1:30~1000MHz	-28.56	PASS
Band66	1.4MHz	QPSK	132665	1RB#0	Range2:1000~20000MHz	-33.5	PASS
Band66	3MHz	QPSK	131987	1RB#0	Range1:30~1000MHz	-31.09	PASS
Band66	3MHz	QPSK	131987	1RB#0	Range2:1000~20000MHz	-33.29	PASS
Band66	3MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-29.63	PASS
Band66	3MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-32.82	PASS
Band66	3MHz	QPSK	132657	1RB#0	Range1:30~1000MHz	-31.08	PASS
Band66	3MHz	QPSK	132657	1RB#0	Range2:1000~20000MHz	-33.53	PASS
Band66	5MHz	QPSK	131997	1RB#0	Range1:30~1000MHz	-30.09	PASS
Band66	5MHz	QPSK	131997	1RB#0	Range2:1000~20000MHz	-33.56	PASS
Band66	5MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-30.7	PASS
Band66	5MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-32.96	PASS
Band66	5MHz	QPSK	132647	1RB#0	Range1:30~1000MHz	-31.59	PASS
Band66	5MHz	QPSK	132647	1RB#0	Range2:1000~20000MHz	-33.41	PASS
Band66	10MHz	QPSK	132022	1RB#0	Range1:30~1000MHz	-31.14	PASS
Band66	10MHz	QPSK	132022	1RB#0	Range2:1000~20000MHz	-32.29	PASS
Band66	10MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-30.78	PASS
Band66	10MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-33.73	PASS
Band66	10MHz	QPSK	132622	1RB#0	Range1:30~1000MHz	-30.92	PASS
Band66	10MHz	QPSK	132622	1RB#0	Range2:1000~20000MHz	-33.38	PASS
Band66	15MHz	QPSK	132047	1RB#0	Range1:30~1000MHz	-29.06	PASS
Band66	15MHz	QPSK	132047	1RB#0	Range2:1000~20000MHz	-33.14	PASS
Band66	15MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-30.48	PASS
Band66	15MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-33.57	PASS
Band66	15MHz	QPSK	132597	1RB#0	Range1:30~1000MHz	-31.15	PASS
Band66	15MHz	QPSK	132597	1RB#0	Range2:1000~20000MHz	-32.06	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range1:30~1000MHz	-30.26	PASS
Band66	20MHz	QPSK	132072	1RB#0	Range2:1000~20000MHz	-33.51	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range1:30~1000MHz	-30.54	PASS
Band66	20MHz	QPSK	132322	1RB#0	Range2:1000~20000MHz	-32.71	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range1:30~1000MHz	-30.23	PASS
Band66	20MHz	QPSK	132572	1RB#0	Range2:1000~20000MHz	-32.72	PASS

Test Graphs

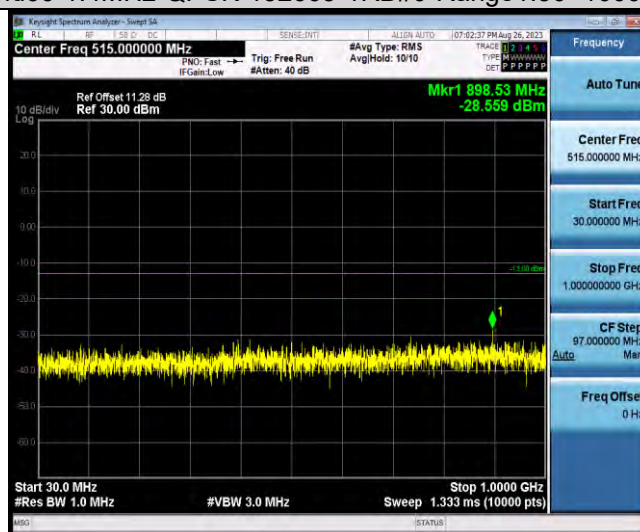




Band66-1.4MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



Band66-1.4MHz-QPSK-132665-1RB#0-Range1:30~1000MHz



Band66-1.4MHz-QPSK-132665-1RB#0-Range2:1000~20000MHz

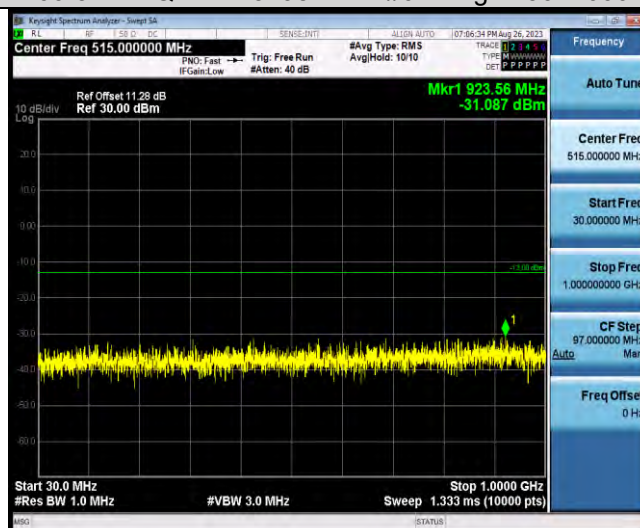


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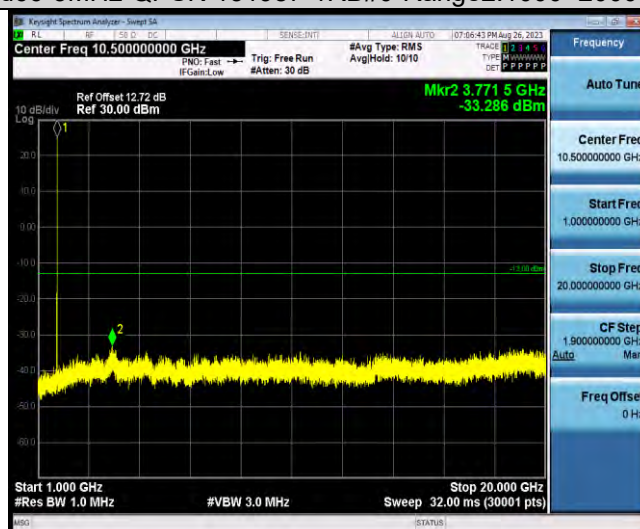
Test Report No.: W7L-P23070009RF04



Band66-3MHz-QPSK-131987-1RB#0-Range1:30~1000MHz



Band66-3MHz-QPSK-131987-1RB#0-Range2:1000~2000MHz

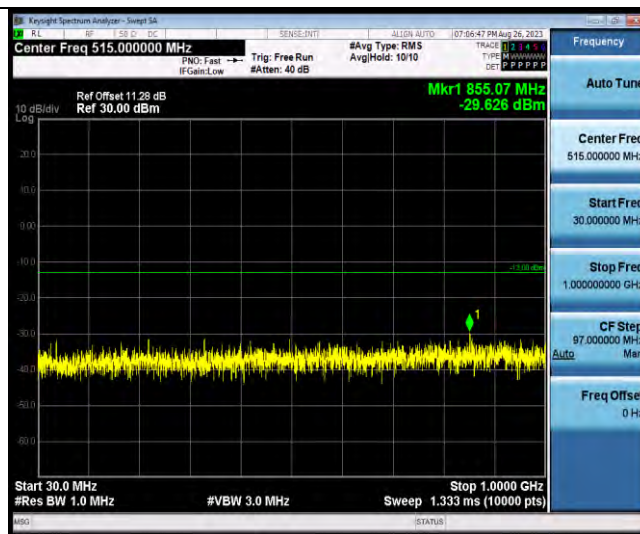


Band66-3MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



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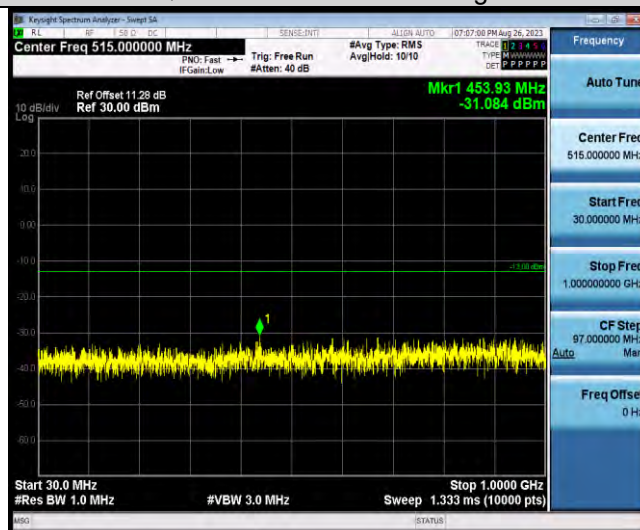
Test Report No.: W7L-P23070009RF04



Band66-3MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



Band66-3MHz-QPSK-132657-1RB#0-Range1:30~1000MHz

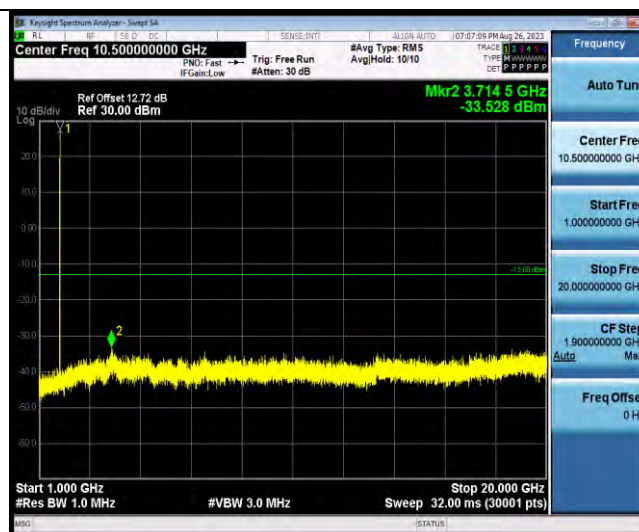


Band66-3MHz-QPSK-132657-1RB#0-Range2:1000~20000MHz

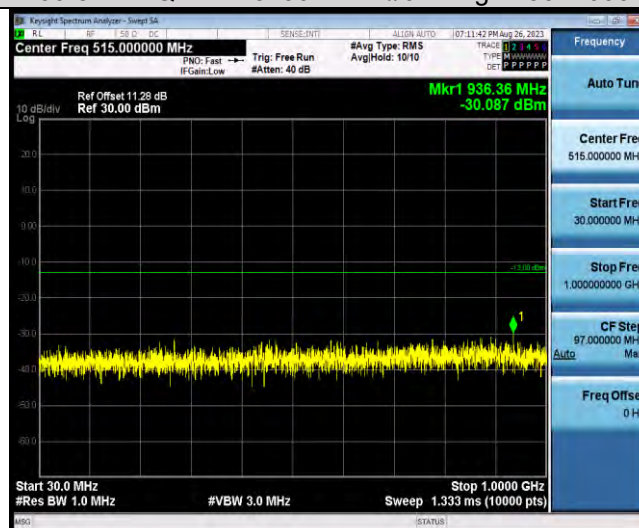


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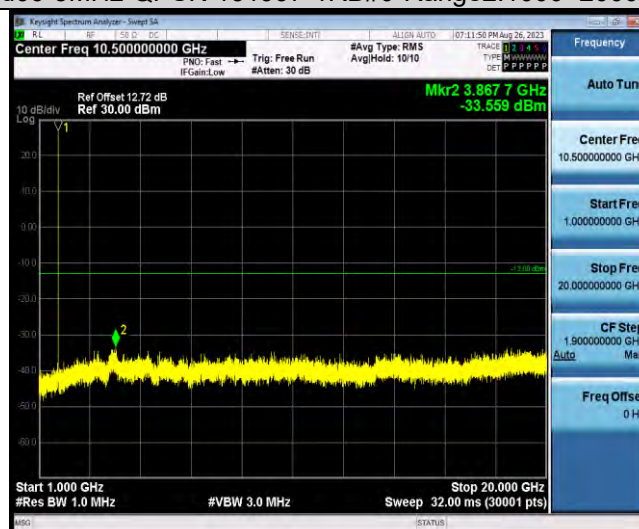
Test Report No.: W7L-P23070009RF04



Band66-5MHz-QPSK-131997-1RB#0-Range1:30~1000MHz



Band66-5MHz-QPSK-131997-1RB#0-Range2:1000~2000MHz



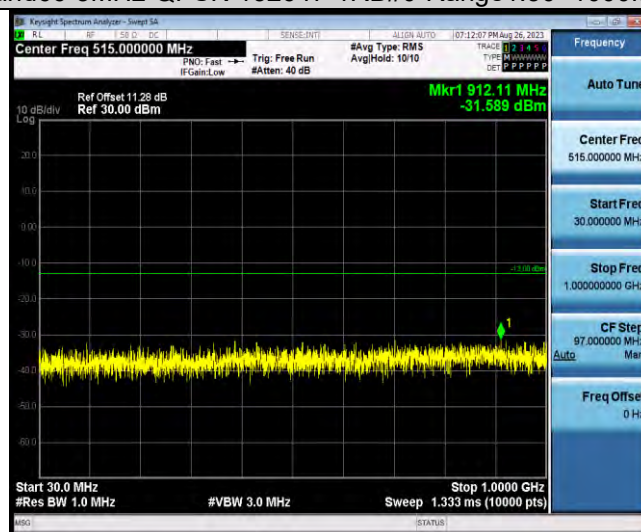
Band66-5MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



Band66-5MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



Band66-5MHz-QPSK-132647-1RB#0-Range1:30~1000MHz

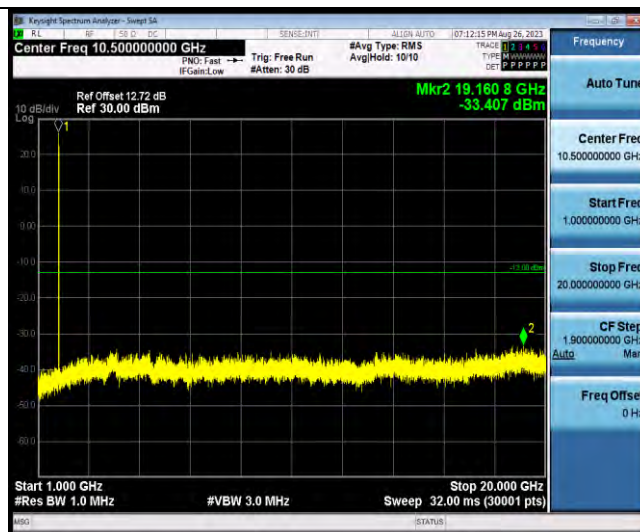


Band66-5MHz-QPSK-132647-1RB#0-Range2:1000~20000MHz

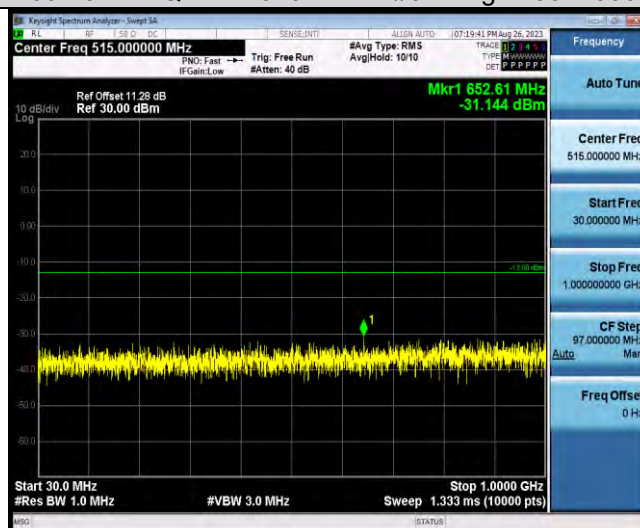


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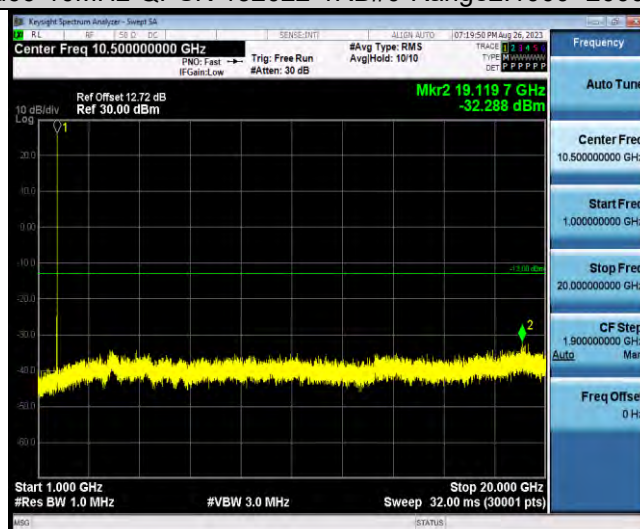
Test Report No.: W7L-P23070009RF04



Band66-10MHz-QPSK-132022-1RB#0-Range1:30~1000MHz



Band66-10MHz-QPSK-132022-1RB#0-Range2:1000~20000MHz

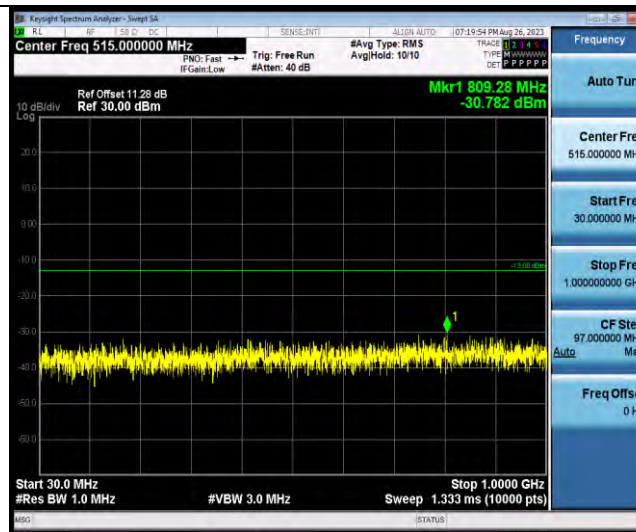


Band66-10MHz-QPSK-132322-1RB#0-Range1:30~1000MHz



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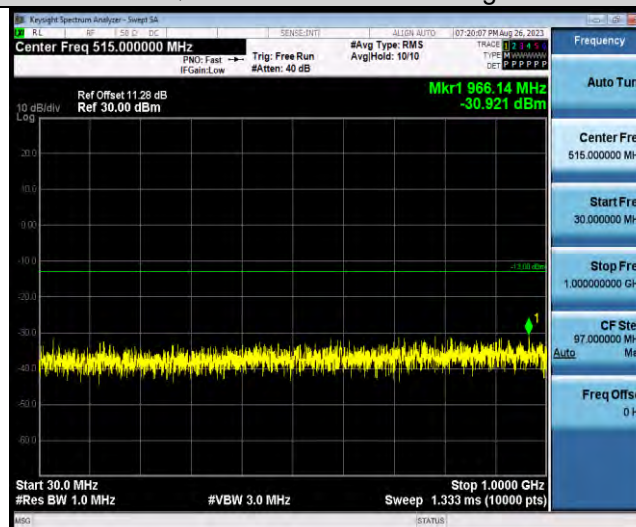
Test Report No.: W7L-P23070009RF04



Band66-10MHz-QPSK-132322-1RB#0-Range2:1000~20000MHz



Band66-10MHz-QPSK-132622-1RB#0-Range1:30~1000MHz

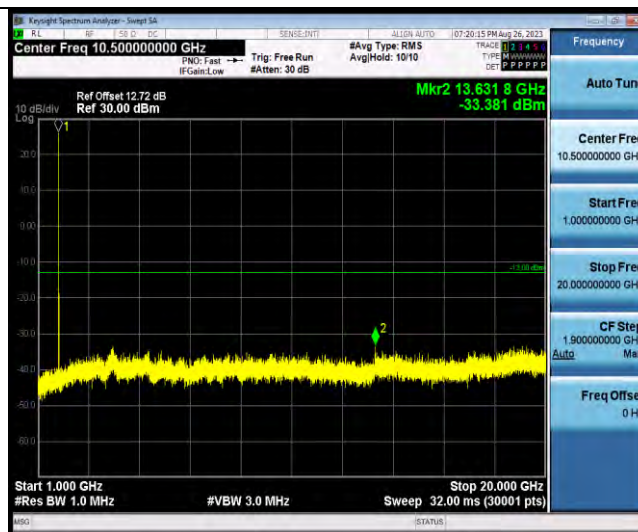


Band66-10MHz-QPSK-132622-1RB#0-Range2:1000~20000MHz

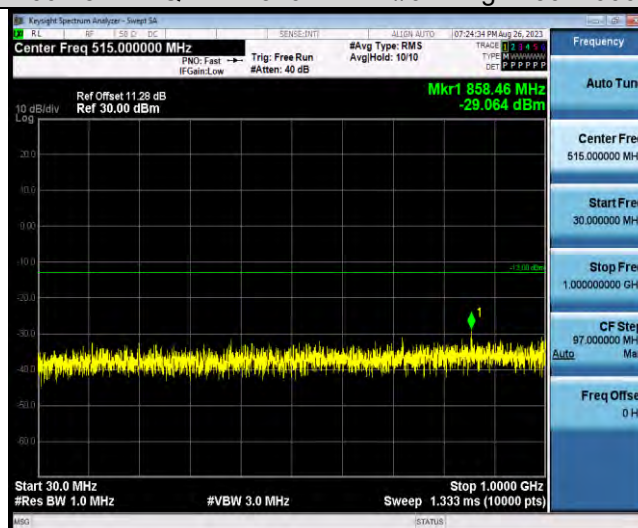


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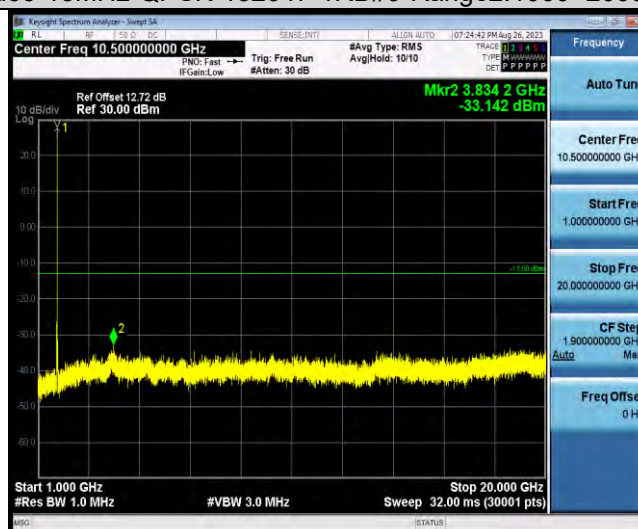
Test Report No.: W7L-P23070009RF04



Band66-15MHz-QPSK-132047-1RB#0-Range1:30~1000MHz



Band66-15MHz-QPSK-132047-1RB#0-Range2:1000~20000MHz

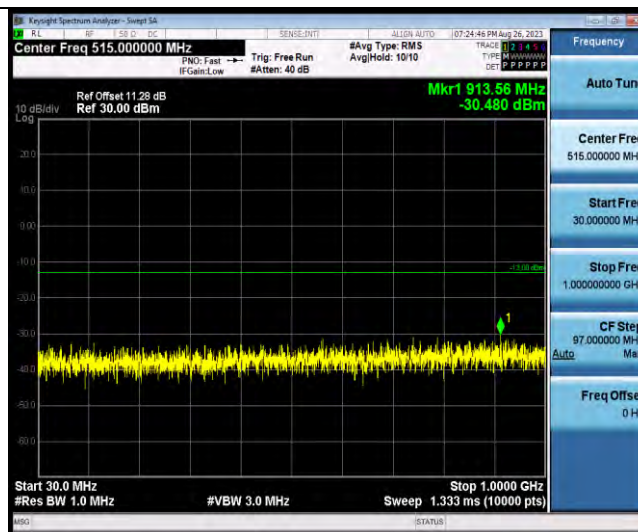


Band66-15MHz-QPSK-132322-1RB#0-Range1:30~1000MHz

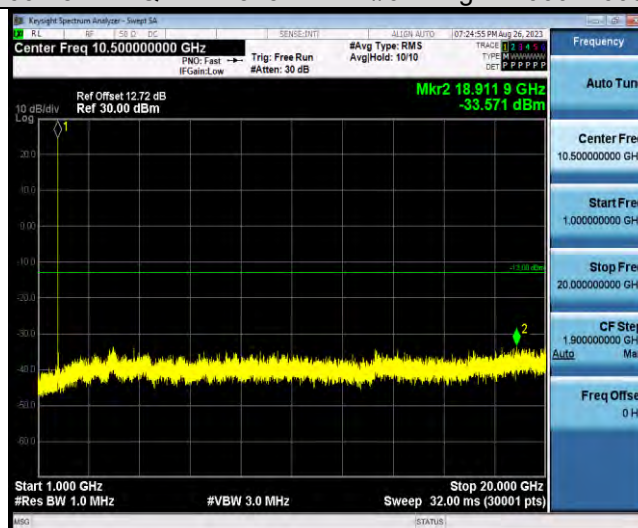


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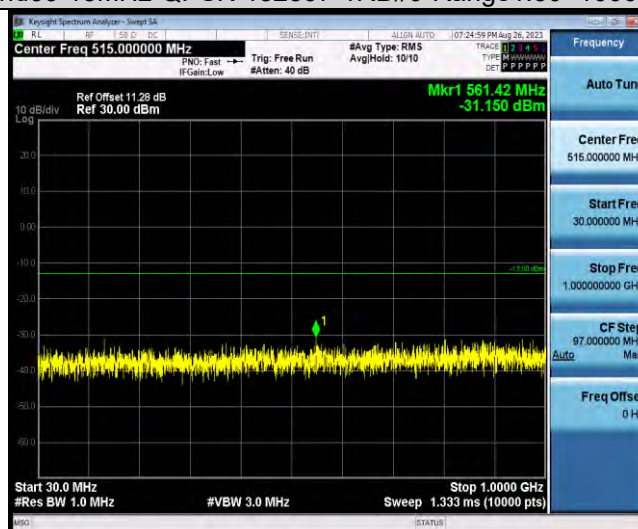
Test Report No.: W7L-P23070009RF04



Band66-15MHz-QPSK-132322-1RB#0-Range2: 1000~20000MHz



Band66-15MHz-QPSK-132597-1RB#0-Range1:30~1000MHz



Band66-15MHz-QPSK-132597-1RB#0-Range2: 1000~20000MHz

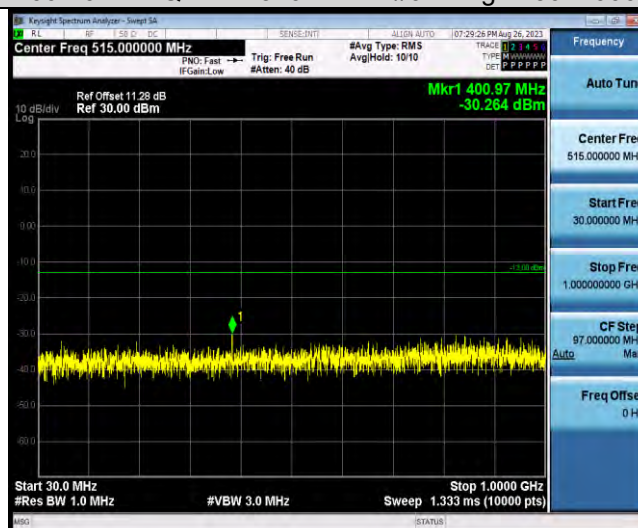


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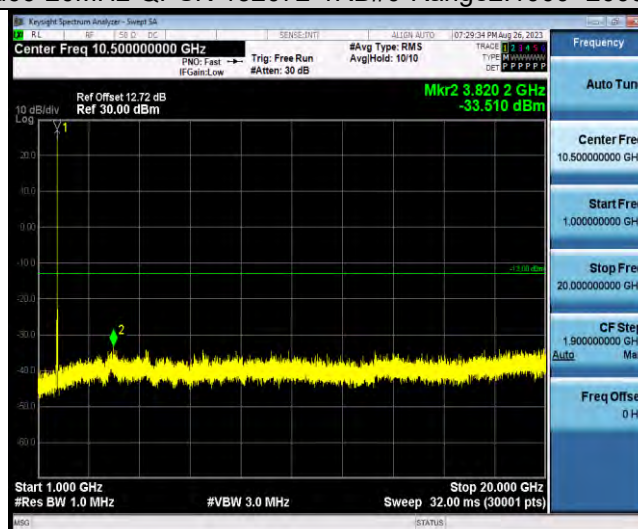
Test Report No.: W7L-P23070009RF04



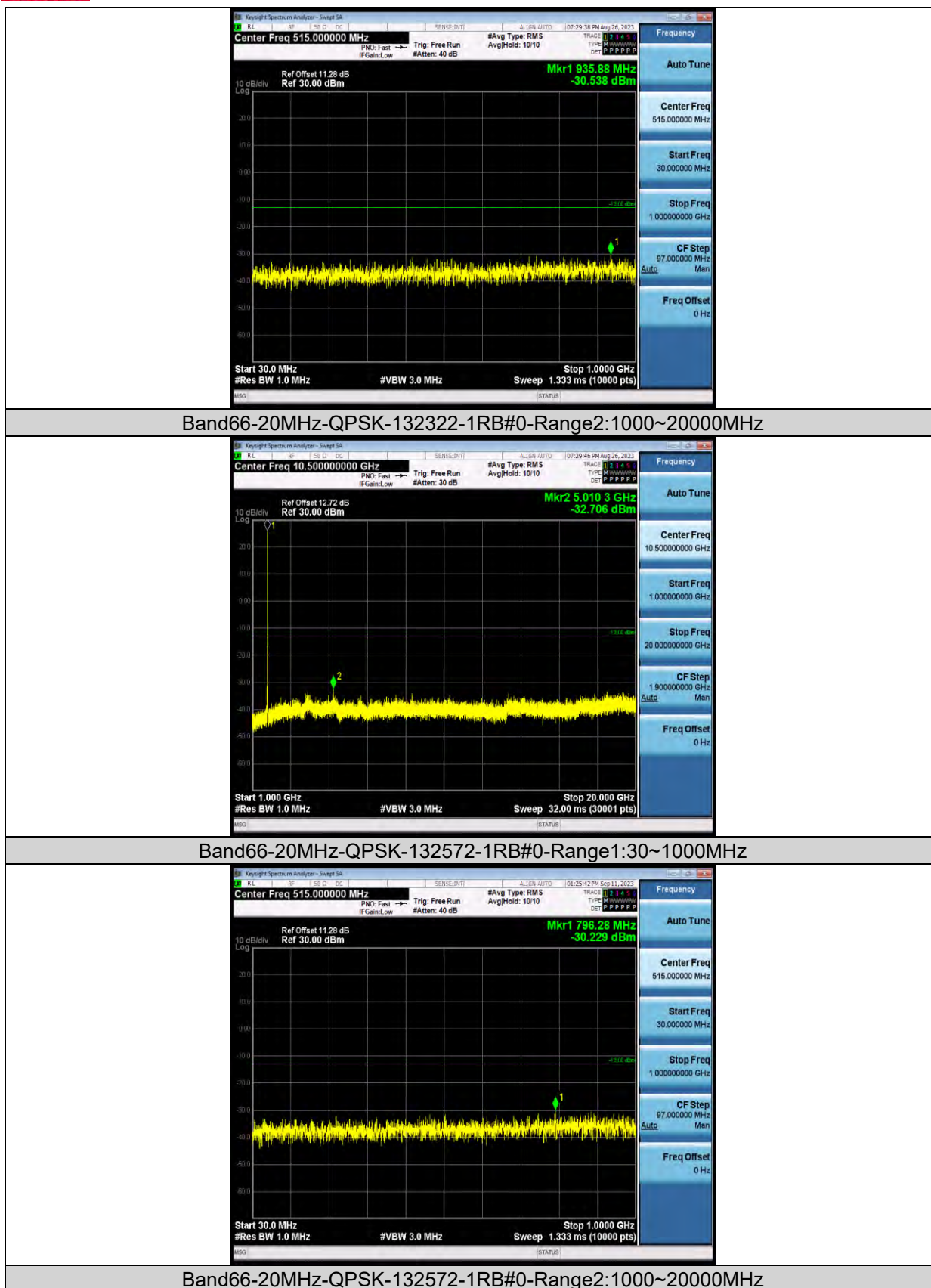
Band66-20MHz-QPSK-132072-1RB#0-Range1:30~1000MHz



Band66-20MHz-QPSK-132072-1RB#0-Range2:1000~20000MHz



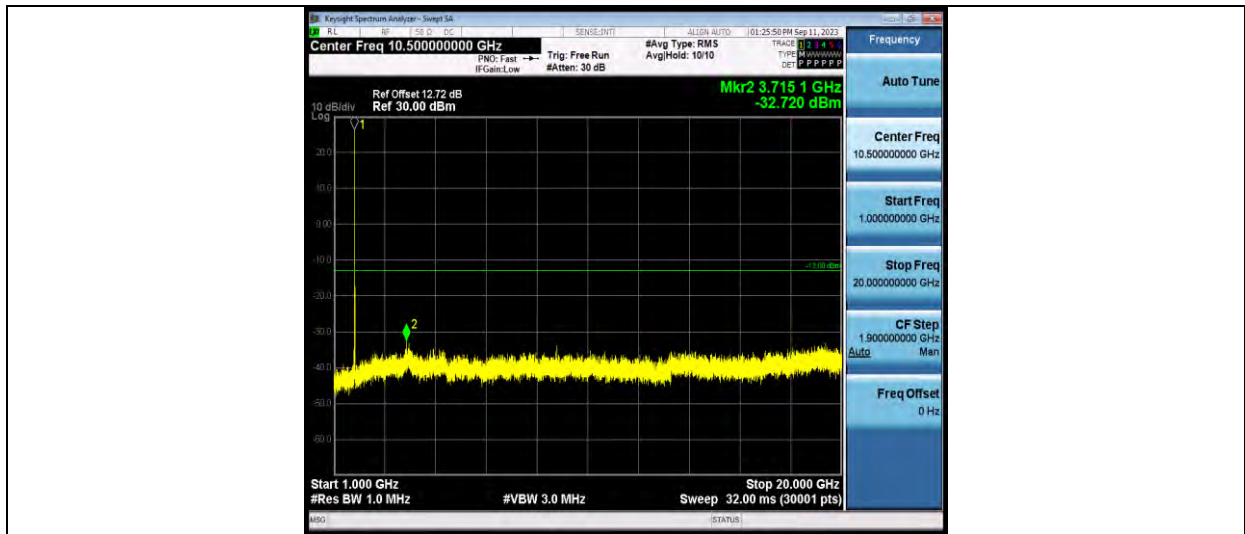
Band66-20MHz-QPSK-132322-1RB#0-Range1:30~1000MHz





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FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band6_6	20MHz	QPSK	13207_2	100RB#0	LV	NT	-4.98	-0.002895	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	NT	-9.93	-0.005773	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	HV	NT	-10.16	-0.005907	±2.5	PASS
Band6_6	20MHz	QPSK	13232_2	100RB#0	LV	NT	-10.00	-0.005731	±2.5	PASS
Band6_6	20MHz	QPSK	13232_2	100RB#0	NV	NT	4.55	0.002607	±2.5	PASS
Band6_6	20MHz	QPSK	13232_2	100RB#0	HV	NT	6.01	0.003444	±2.5	PASS
Band6_6	20MHz	QPSK	13257_2	100RB#0	LV	NT	-7.00	-0.003955	±2.5	PASS
Band6_6	20MHz	QPSK	13257_2	100RB#0	NV	NT	-13.69	-0.007734	±2.5	PASS
Band6_6	20MHz	QPSK	13257_2	100RB#0	HV	NT	-6.04	-0.003412	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	-30	-4.86	-0.002826	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	-20	-8.35	-0.004855	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	-10	-7.48	-0.004349	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	0	-4.72	-0.002744	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	10	-6.95	-0.004041	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	20	3.76	0.002186	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	30	-5.28	-0.003070	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	40	-5.95	-0.003459	±2.5	PASS
Band6_6	20MHz	QPSK	13207_2	100RB#0	NV	50	-4.32	-0.002512	±2.5	PASS
Band6_6	20MHz	QPSK	13232_2	100RB#0	NV	-30	-6.14	-0.003519	±2.5	PASS



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6			2							
Band6 6	20MHz	QPSK	13232 2	100RB#0	NV	-20	4.62	0.002648	±2.5	PASS
Band6 6	20MHz	QPSK	13232 2	100RB#0	NV	-10	-3.83	-0.002195	±2.5	PASS
Band6 6	20MHz	QPSK	13232 2	100RB#0	NV	0	-5.15	-0.002951	±2.5	PASS
Band6 6	20MHz	QPSK	13232 2	100RB#0	NV	10	5.08	0.002911	±2.5	PASS
Band6 6	20MHz	QPSK	13232 2	100RB#0	NV	20	-2.15	-0.001232	±2.5	PASS
Band6 6	20MHz	QPSK	13232 2	100RB#0	NV	30	-7.32	-0.004195	±2.5	PASS
Band6 6	20MHz	QPSK	13232 2	100RB#0	NV	40	6.49	0.003719	±2.5	PASS
Band6 6	20MHz	QPSK	13232 2	100RB#0	NV	50	-4.03	-0.002309	±2.5	PASS
Band6 6	20MHz	QPSK	13257 2	100RB#0	NV	-30	-6.17	-0.003486	±2.5	PASS
Band6 6	20MHz	QPSK	13257 2	100RB#0	NV	-20	-6.07	-0.003429	±2.5	PASS
Band6 6	20MHz	QPSK	13257 2	100RB#0	NV	-10	-8.17	-0.004616	±2.5	PASS
Band6 6	20MHz	QPSK	13257 2	100RB#0	NV	0	-7.87	-0.004446	±2.5	PASS
Band6 6	20MHz	QPSK	13257 2	100RB#0	NV	10	4.75	0.002684	±2.5	PASS
Band6 6	20MHz	QPSK	13257 2	100RB#0	NV	20	-8.38	-0.004734	±2.5	PASS
Band6 6	20MHz	QPSK	13257 2	100RB#0	NV	30	-6.59	-0.003723	±2.5	PASS
Band6 6	20MHz	QPSK	13257 2	100RB#0	NV	40	-7.08	-0.004000	±2.5	PASS
Band6 6	20MHz	QPSK	13257 2	100RB#0	NV	50	-7.65	-0.004322	±2.5	PASS



Test Report No.: W7L-P23070009RF04

MAX Deviation calculation

Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	1710.988514	≥ 1710	PASS
$f_H + \text{MAX}(\Delta f) $	1778.999486	≤ 1780	

- 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. $|\text{MAX}(\Delta f)|$ = 13.69Hz.

--END--