

Test Report No.: RF260626B002



BOOMWAVE TEST (SHENZHEN)
CO., LTD.

Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan
4th Road, Chiwan Community, Zhaoshang Street,
Nanshan District, Shenzhen, Guangdong, P.R. CHINA

Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com

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CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	30~1000	-66.85	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	1000~3000	-24.59	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	3000~20000	-46.76	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	30~1000	-66.87	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	1000~3000	-60.79	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	3000~20000	-45.07	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	30~1000	-66.84	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	1000~3000	-46.76	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	3000~20000	-45.87	PASS
Band2	3MHz	QPSK	18615	1RB#0	30~1000	-67.23	PASS
Band2	3MHz	QPSK	18615	1RB#0	1000~3000	-23.67	PASS
Band2	3MHz	QPSK	18615	1RB#0	3000~20000	-46.25	PASS
Band2	3MHz	QPSK	18900	1RB#0	30~1000	-66.90	PASS
Band2	3MHz	QPSK	18900	1RB#0	1000~3000	-61.31	PASS
Band2	3MHz	QPSK	18900	1RB#0	3000~20000	-45.44	PASS
Band2	3MHz	QPSK	19185	1RB#0	30~1000	-67.02	PASS
Band2	3MHz	QPSK	19185	1RB#0	1000~3000	-49.12	PASS
Band2	3MHz	QPSK	19185	1RB#0	3000~20000	-41.75	PASS
Band2	5MHz	QPSK	18625	1RB#0	30~1000	-46.72	PASS
Band2	5MHz	QPSK	18625	1RB#0	1000~3000	-29.63	PASS
Band2	5MHz	QPSK	18625	1RB#0	3000~20000	-43.28	PASS
Band2	5MHz	QPSK	18900	1RB#0	30~1000	-49.26	PASS
Band2	5MHz	QPSK	18900	1RB#0	1000~3000	-37.60	PASS
Band2	5MHz	QPSK	18900	1RB#0	3000~20000	-43.19	PASS
Band2	5MHz	QPSK	19175	1RB#0	30~1000	-49.81	PASS
Band2	5MHz	QPSK	19175	1RB#0	1000~3000	-37.69	PASS
Band2	5MHz	QPSK	19175	1RB#0	3000~20000	-42.96	PASS
Band2	10MHz	QPSK	18650	1RB#0	30~1000	-49.52	PASS
Band2	10MHz	QPSK	18650	1RB#0	1000~3000	-37.64	PASS
Band2	10MHz	QPSK	18650	1RB#0	3000~20000	-43.14	PASS
Band2	10MHz	QPSK	18900	1RB#0	30~1000	-48.14	PASS
Band2	10MHz	QPSK	18900	1RB#0	1000~3000	-37.34	PASS
Band2	10MHz	QPSK	18900	1RB#0	3000~20000	-42.64	PASS
Band2	10MHz	QPSK	19150	1RB#0	30~1000	-48.78	PASS
Band2	10MHz	QPSK	19150	1RB#0	1000~3000	-37.53	PASS
Band2	10MHz	QPSK	19150	1RB#0	3000~20000	-43.36	PASS
Band2	15MHz	QPSK	18675	1RB#0	30~1000	-49.07	PASS
Band2	15MHz	QPSK	18675	1RB#0	1000~3000	-43.90	PASS
Band2	15MHz	QPSK	18675	1RB#0	3000~20000	-42.85	PASS
Band2	15MHz	QPSK	18900	1RB#0	30~1000	-49.28	PASS
Band2	15MHz	QPSK	18900	1RB#0	1000~3000	-47.22	PASS
Band2	15MHz	QPSK	18900	1RB#0	3000~20000	-42.87	PASS
Band2	15MHz	QPSK	19125	1RB#0	30~1000	-49.25	PASS
Band2	15MHz	QPSK	19125	1RB#0	1000~3000	-37.63	PASS
Band2	15MHz	QPSK	19125	1RB#0	3000~20000	-42.80	PASS
Band2	20MHz	QPSK	18700	1RB#0	30~1000	-48.42	PASS
Band2	20MHz	QPSK	18700	1RB#0	1000~3000	-40.51	PASS
Band2	20MHz	QPSK	18700	1RB#0	3000~20000	-43.10	PASS

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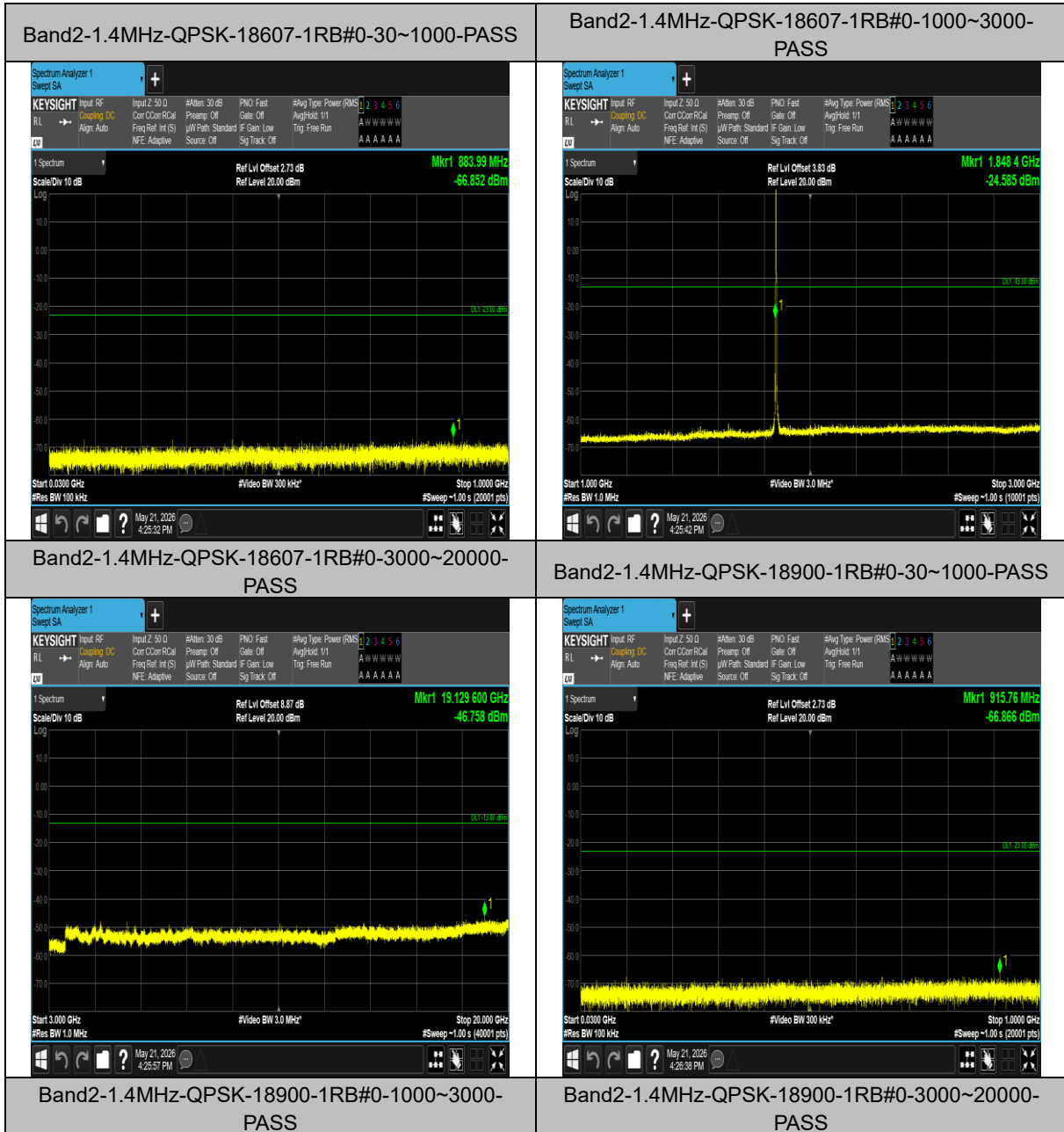
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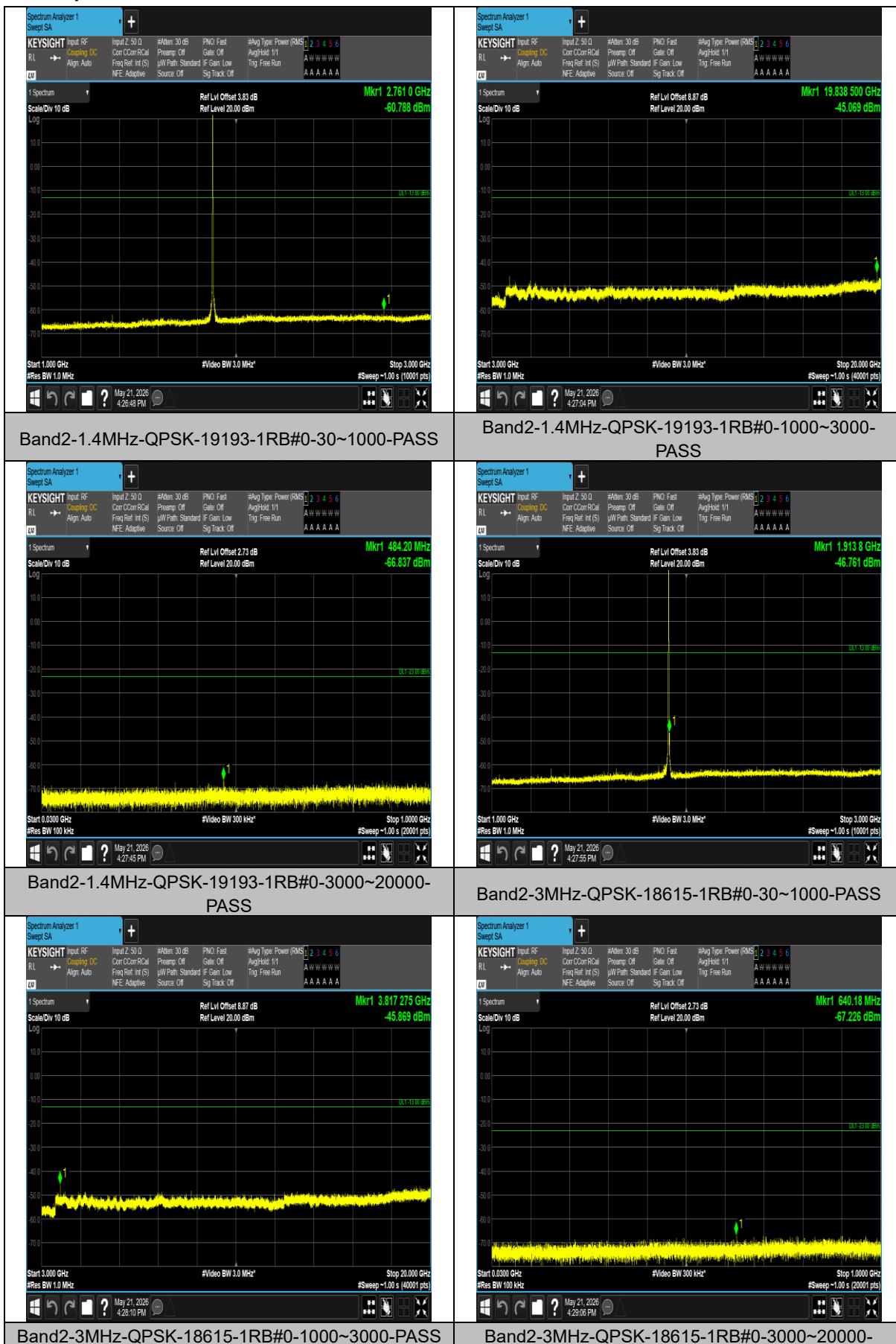
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Band2	20MHz	QPSK	18900	1RB#0	30~1000	-49.89	PASS
Band2	20MHz	QPSK	18900	1RB#0	1000~3000	-37.66	PASS
Band2	20MHz	QPSK	18900	1RB#0	3000~20000	-43.34	PASS
Band2	20MHz	QPSK	19100	1RB#0	30~1000	-49.07	PASS
Band2	20MHz	QPSK	19100	1RB#0	1000~3000	-37.57	PASS
Band2	20MHz	QPSK	19100	1RB#0	3000~20000	-42.58	PASS

Test Graphs



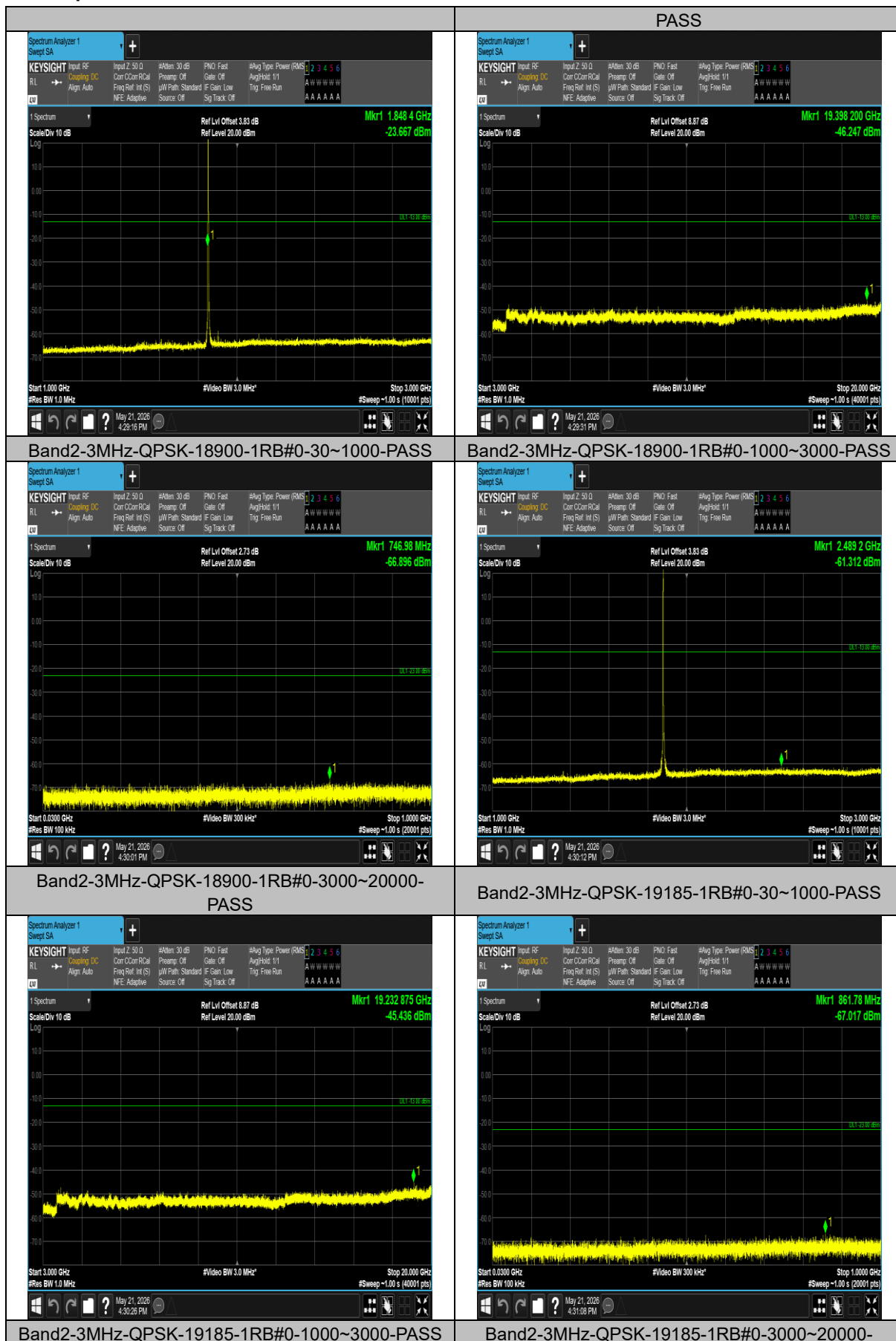
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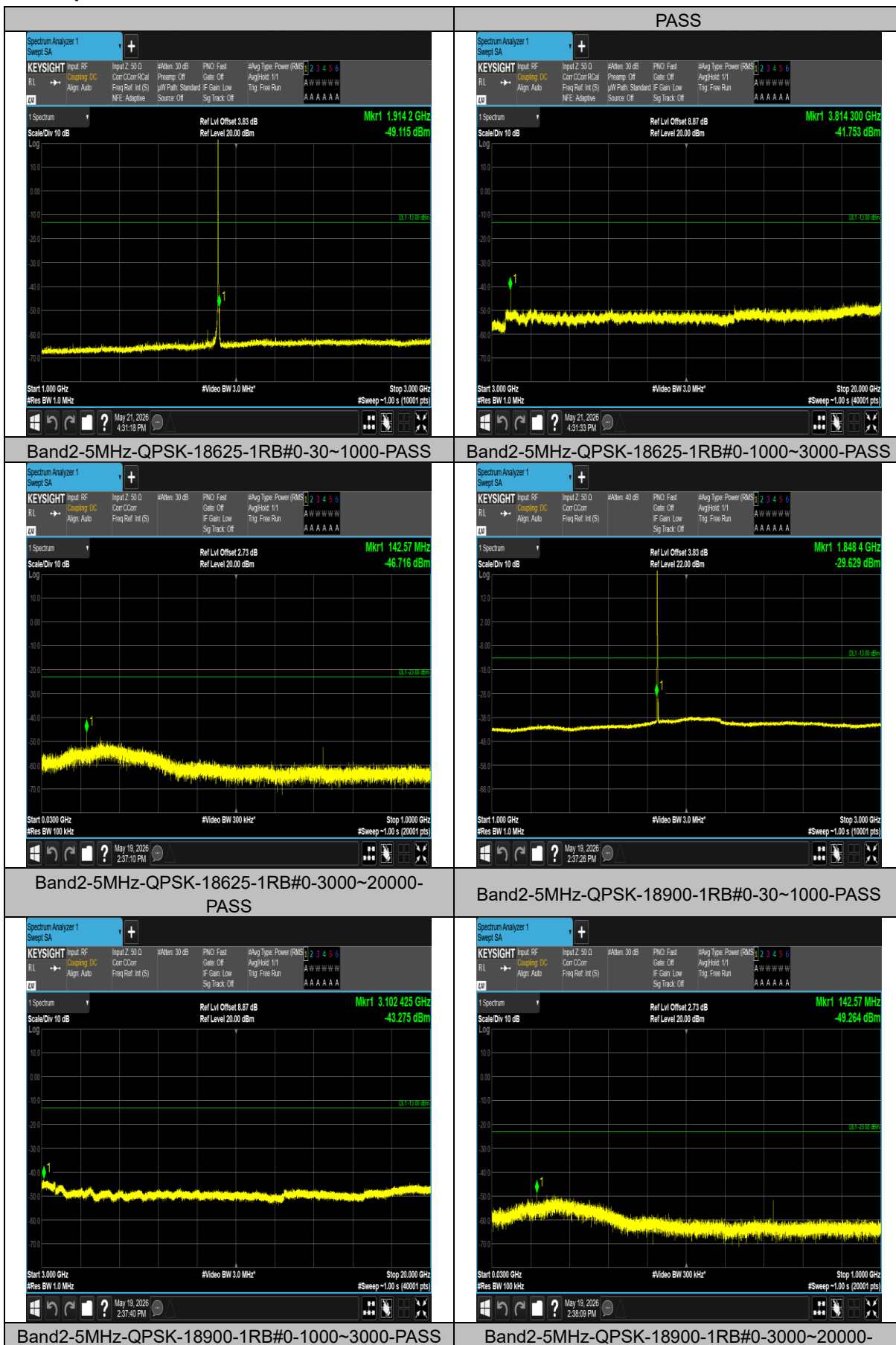


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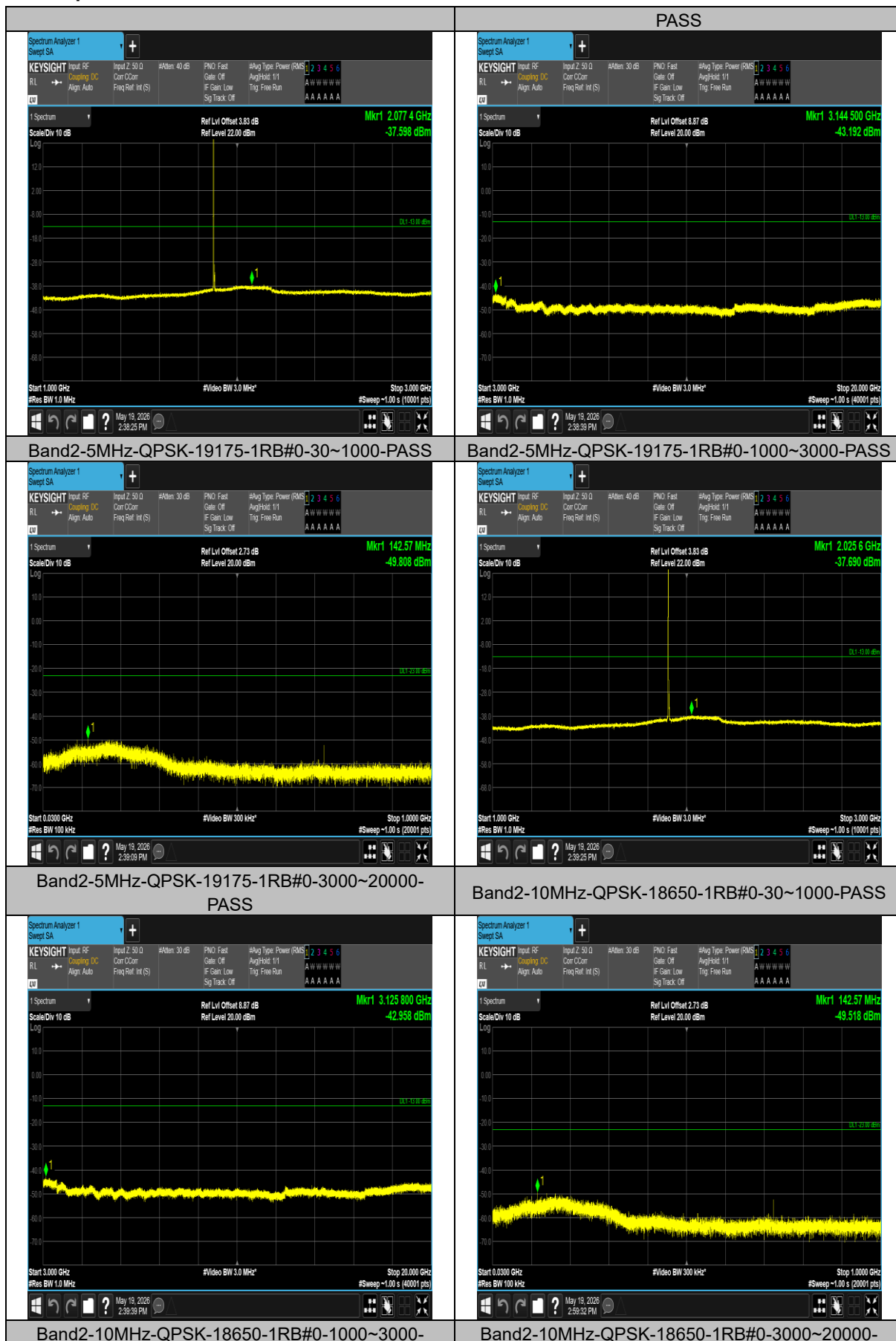




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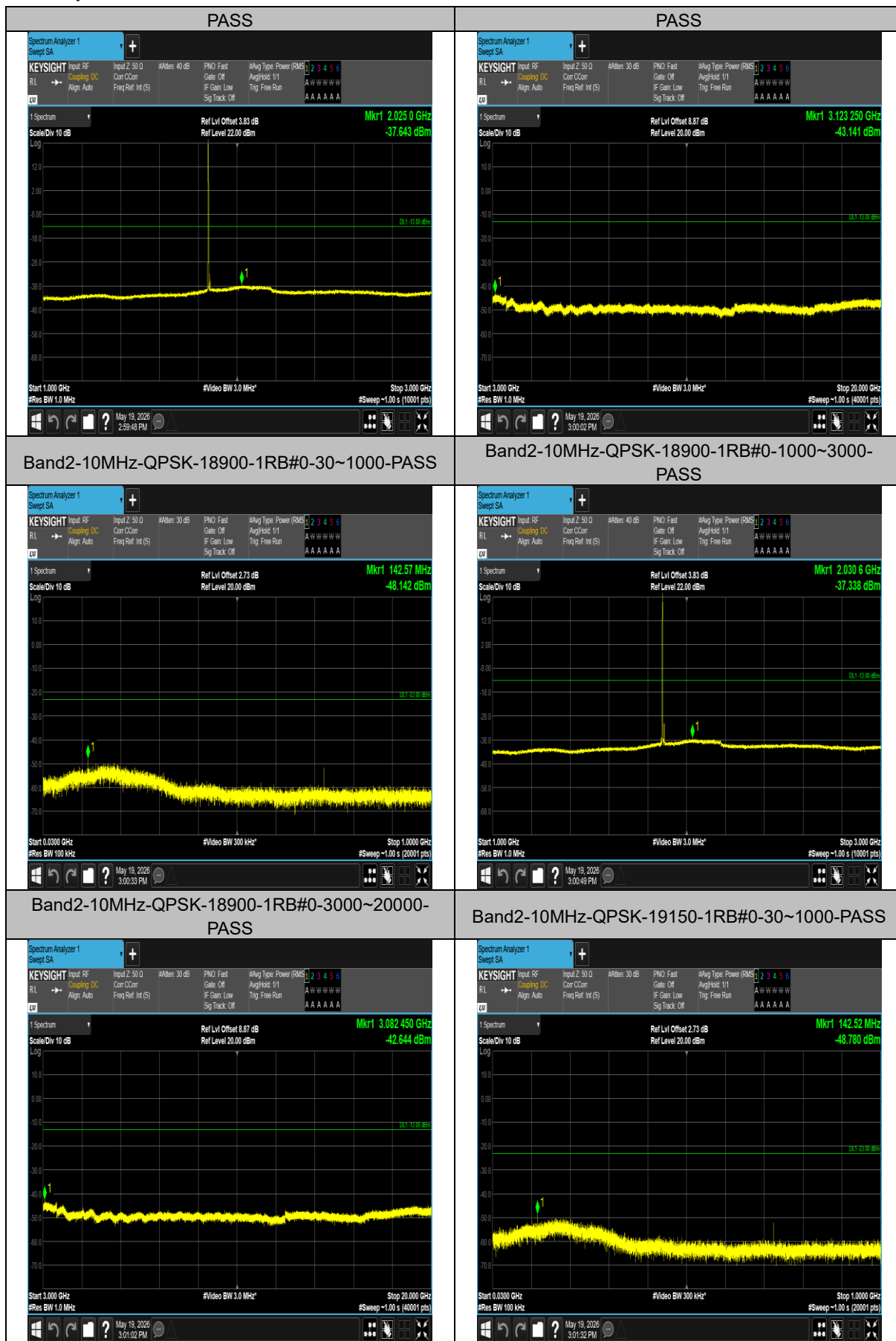


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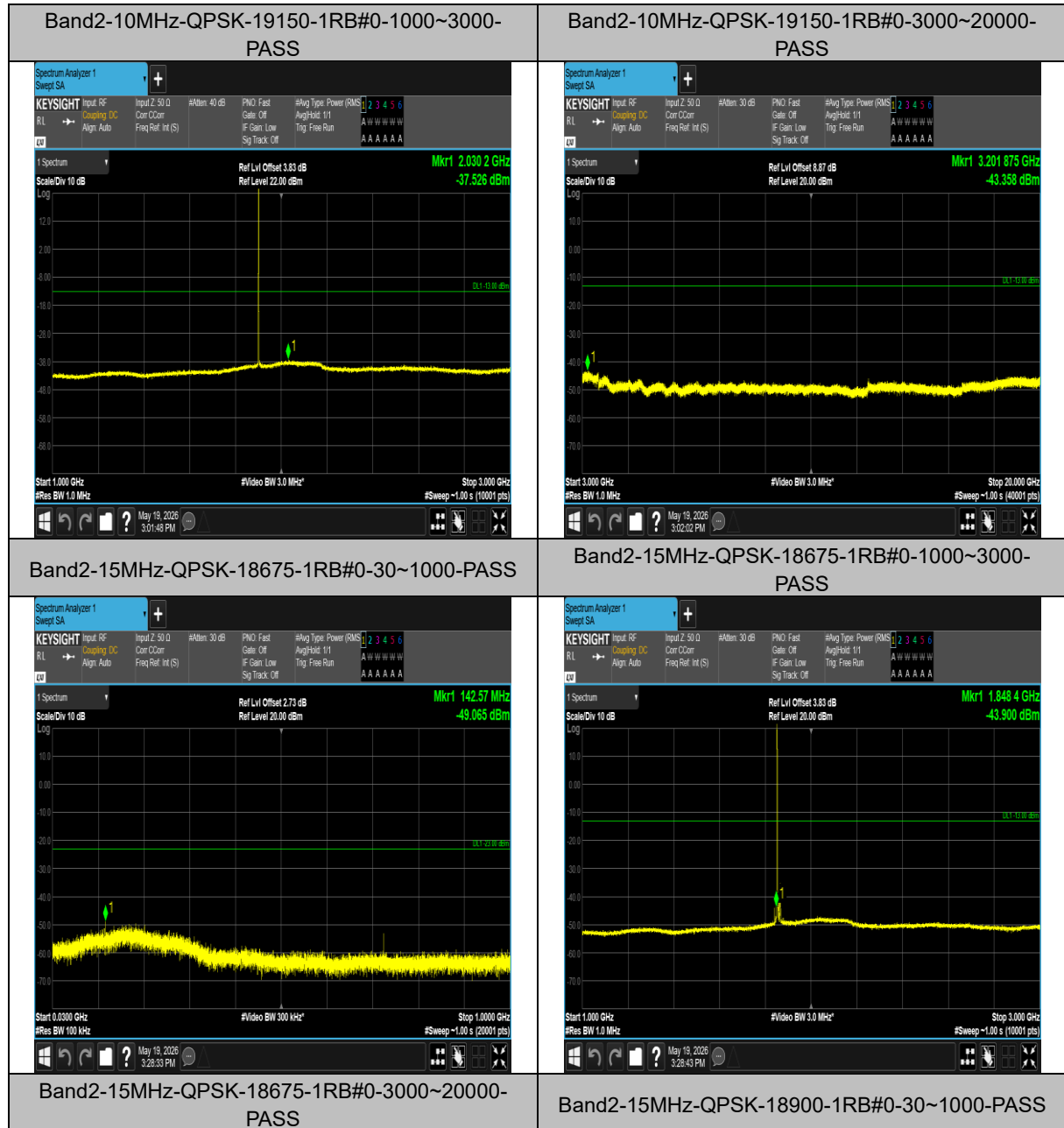


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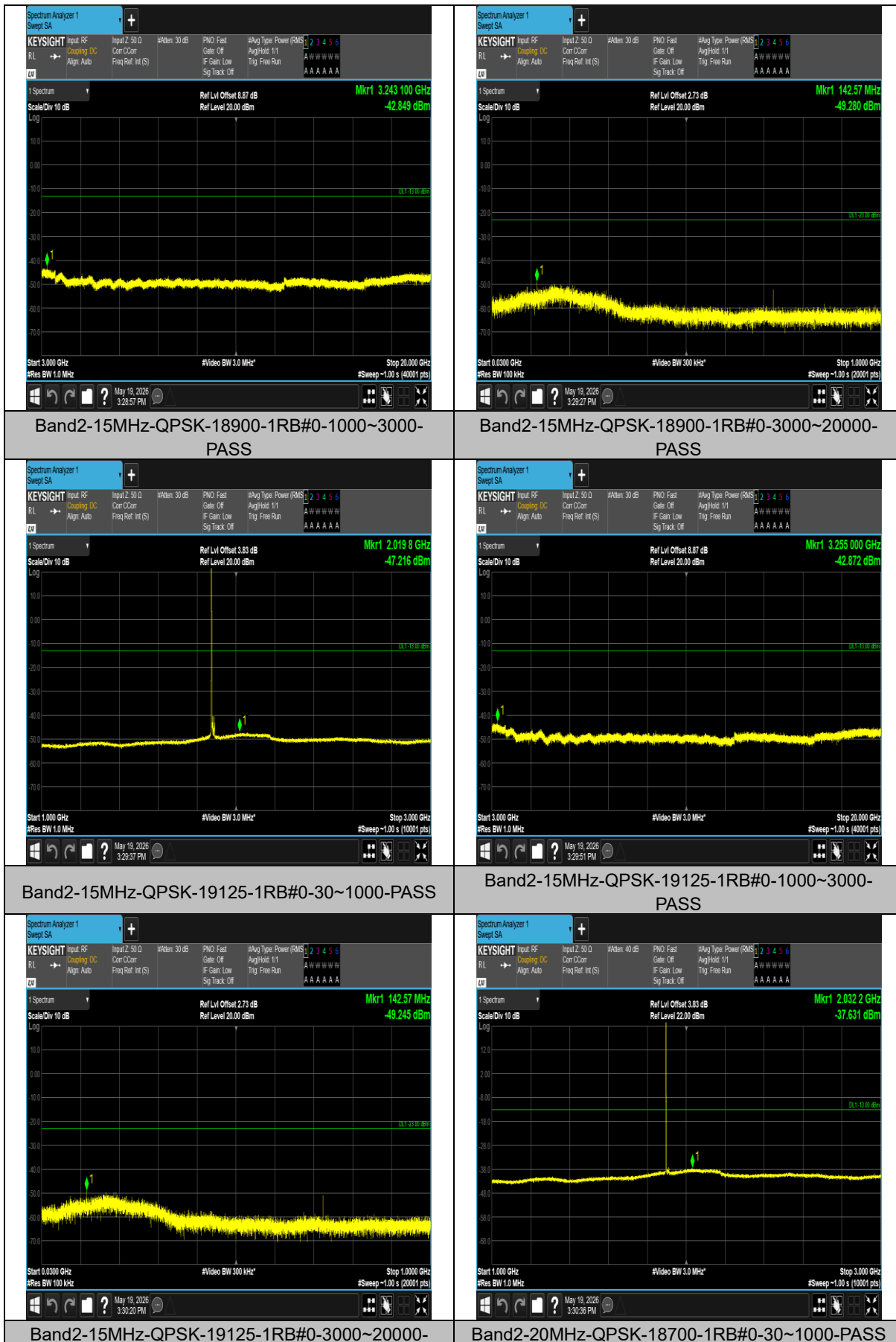
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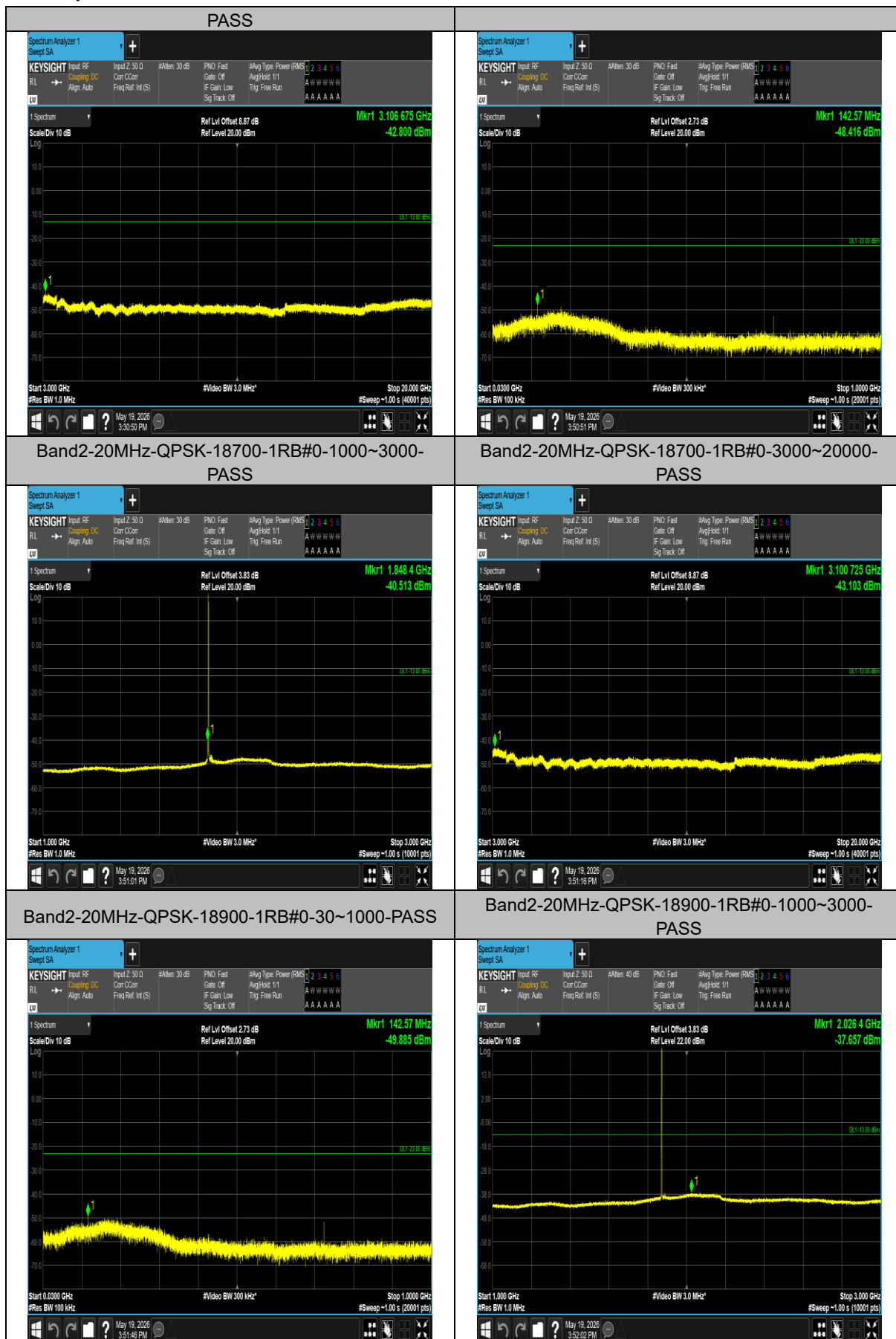


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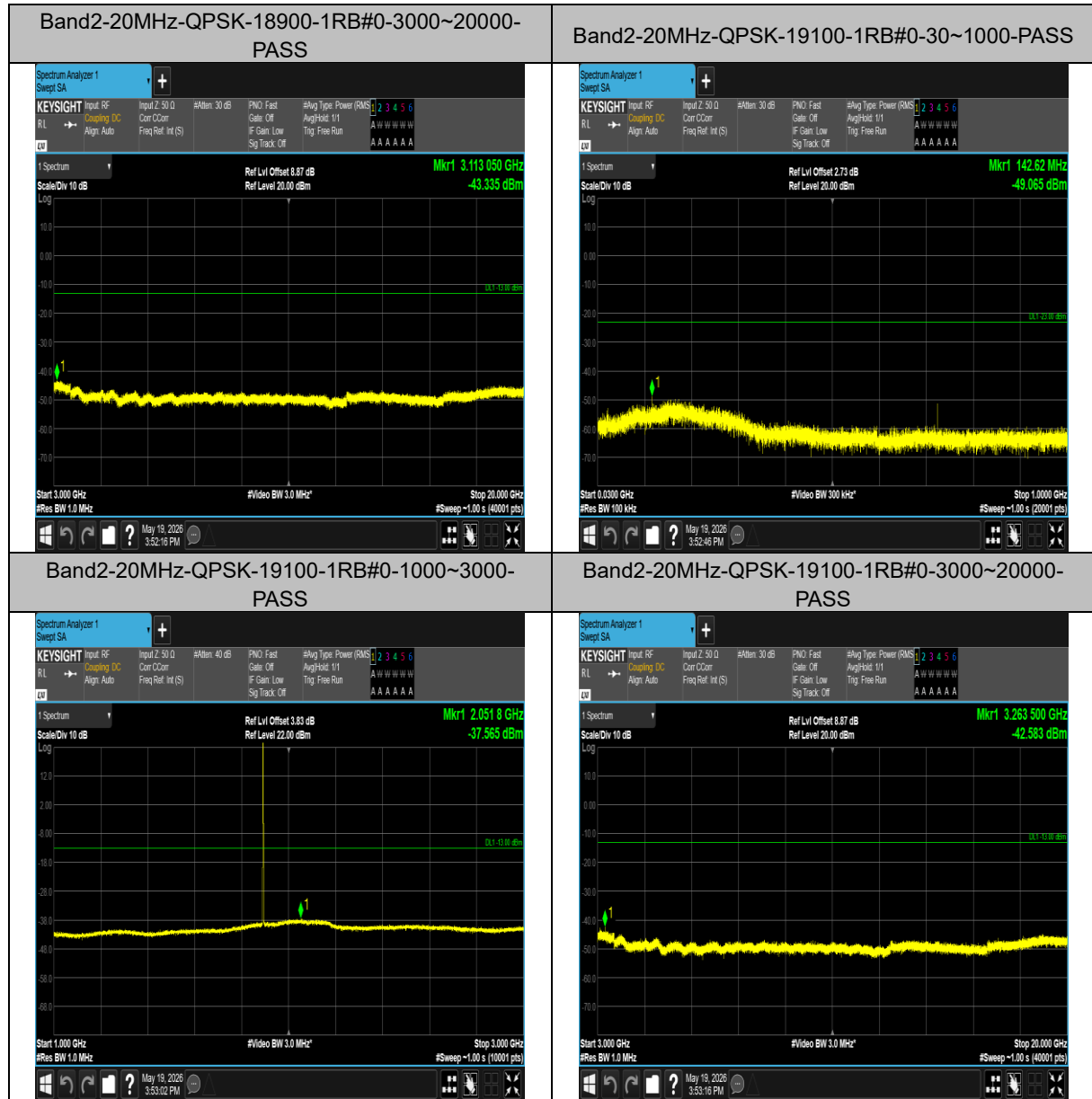


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FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	10MHz	QPSK	18650	50RB#0	VN	NT	-1490.00	-0.803235	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	VL	NT	140.00	0.075472	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	VH	NT	-3060.00	-1.649596	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	VN	NT	4730.00	2.482940	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	VL	NT	-60.00	-0.031496	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	VH	NT	-1490.00	-0.782152	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	10MHz	QPSK	18650	50RB#0	NV	-30	-3140.00	-1.692722	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	NV	-20	-600.00	-0.323450	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	NV	-10	-3240.00	-1.746631	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	NV	0	1190.00	0.641509	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	NV	10	-820.00	-0.442049	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	NV	20	30.00	0.016173	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	NV	30	-680.00	-0.366577	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	NV	40	-3920.00	-2.113208	±2.5	PASS
Band2	10MHz	QPSK	18650	50RB#0	NV	50	-2410.00	-1.299191	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	NV	-30	350.00	0.183727	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	NV	-20	-2610.00	-1.370079	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	NV	-10	4470.00	2.346457	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	NV	0	890.00	0.467192	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	NV	10	40.00	0.020997	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	NV	20	1410.00	0.740157	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	NV	30	1010.00	0.530184	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	NV	40	3140.00	1.648294	±2.5	PASS
Band2	10MHz	QPSK	19150	50RB#0	NV	50	2570.00	1.349081	±2.5	PASS

--END--