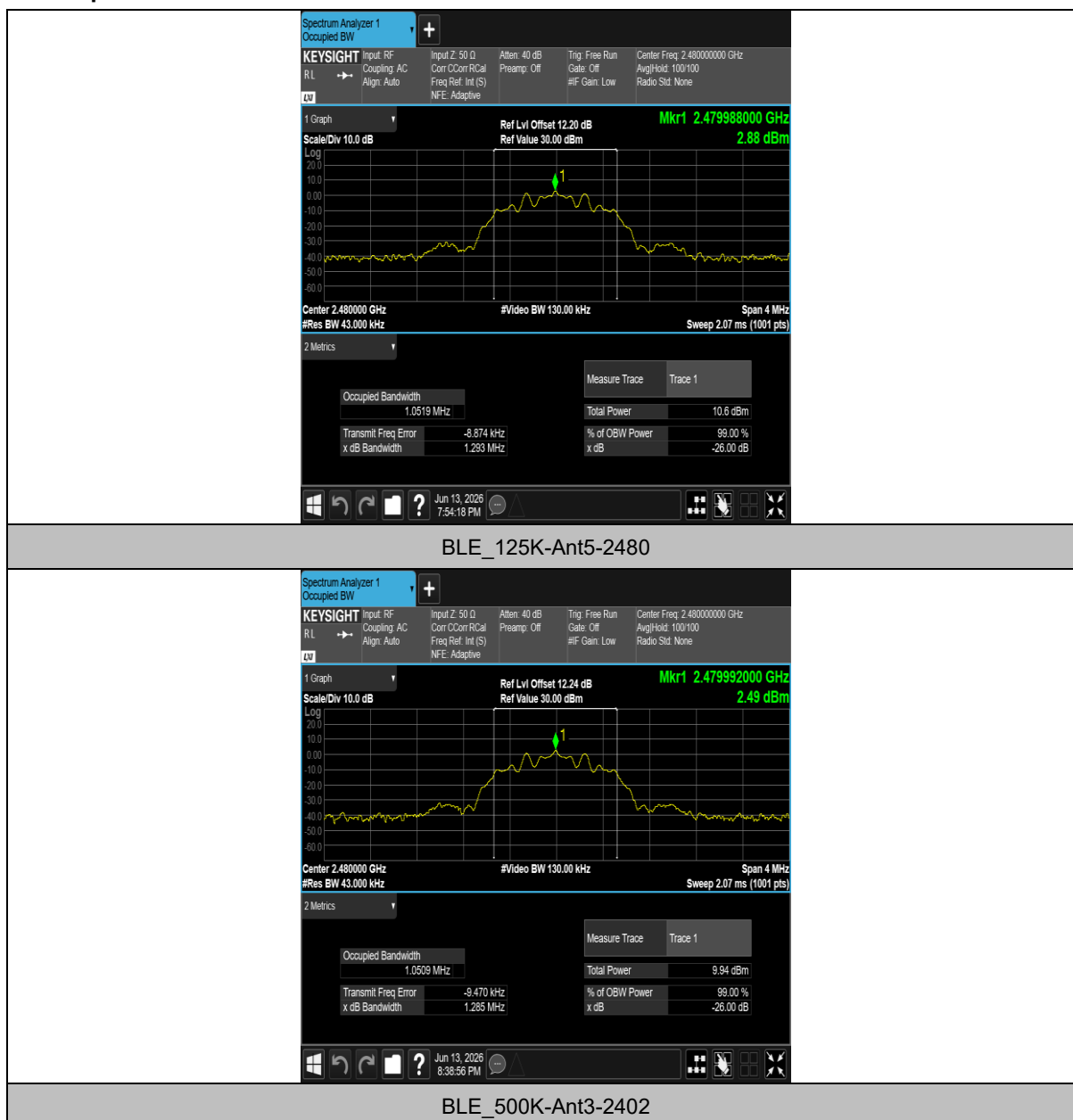










MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT PEAK

TestMode	Antenna	Frequency [MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant3	2402	6.14	≤30	6.84	≤36	PASS
BLE_1M	Ant5	2402	5.91	≤30	5.81	≤36	PASS
BLE_1M	Ant3	2440	6.34	≤30	7.04	≤36	PASS
BLE_1M	Ant5	2440	6.11	≤30	6.01	≤36	PASS
BLE_1M	Ant3	2480	7.04	≤30	7.74	≤36	PASS
BLE_1M	Ant5	2480	6.14	≤30	6.04	≤36	PASS
BLE_2M	Ant5	2404	6.29	≤30	6.99	≤36	PASS
BLE_2M	Ant3	2404	6.50	≤30	6.40	≤36	PASS
BLE_2M	Ant3	2440	6.30	≤30	7.00	≤36	PASS
BLE_2M	Ant5	2440	5.95	≤30	5.85	≤36	PASS
BLE_2M	Ant3	2478	7.29	≤30	7.99	≤36	PASS
BLE_2M	Ant5	2478	6.86	≤30	6.76	≤36	PASS
BLE_125K	Ant3	2402	6.07	≤30	6.77	≤36	PASS
BLE_125K	Ant5	2402	5.85	≤30	5.75	≤36	PASS
BLE_125K	Ant3	2440	6.29	≤30	6.99	≤36	PASS
BLE_125K	Ant5	2440	6.10	≤30	6.00	≤36	PASS
BLE_125K	Ant3	2480	6.87	≤30	7.57	≤36	PASS
BLE_125K	Ant5	2480	6.21	≤30	6.11	≤36	PASS
BLE_500K	Ant3	2402	6.28	≤30	6.98	≤36	PASS
BLE_500K	Ant5	2402	6.02	≤30	5.92	≤36	PASS
BLE_500K	Ant3	2440	6.31	≤30	7.01	≤36	PASS
BLE_500K	Ant5	2440	6.31	≤30	6.21	≤36	PASS
BLE_500K	Ant3	2480	6.86	≤30	7.56	≤36	PASS
BLE_500K	Ant5	2480	6.37	≤30	6.27	≤36	PASS

TEST RESULT AVERAGE

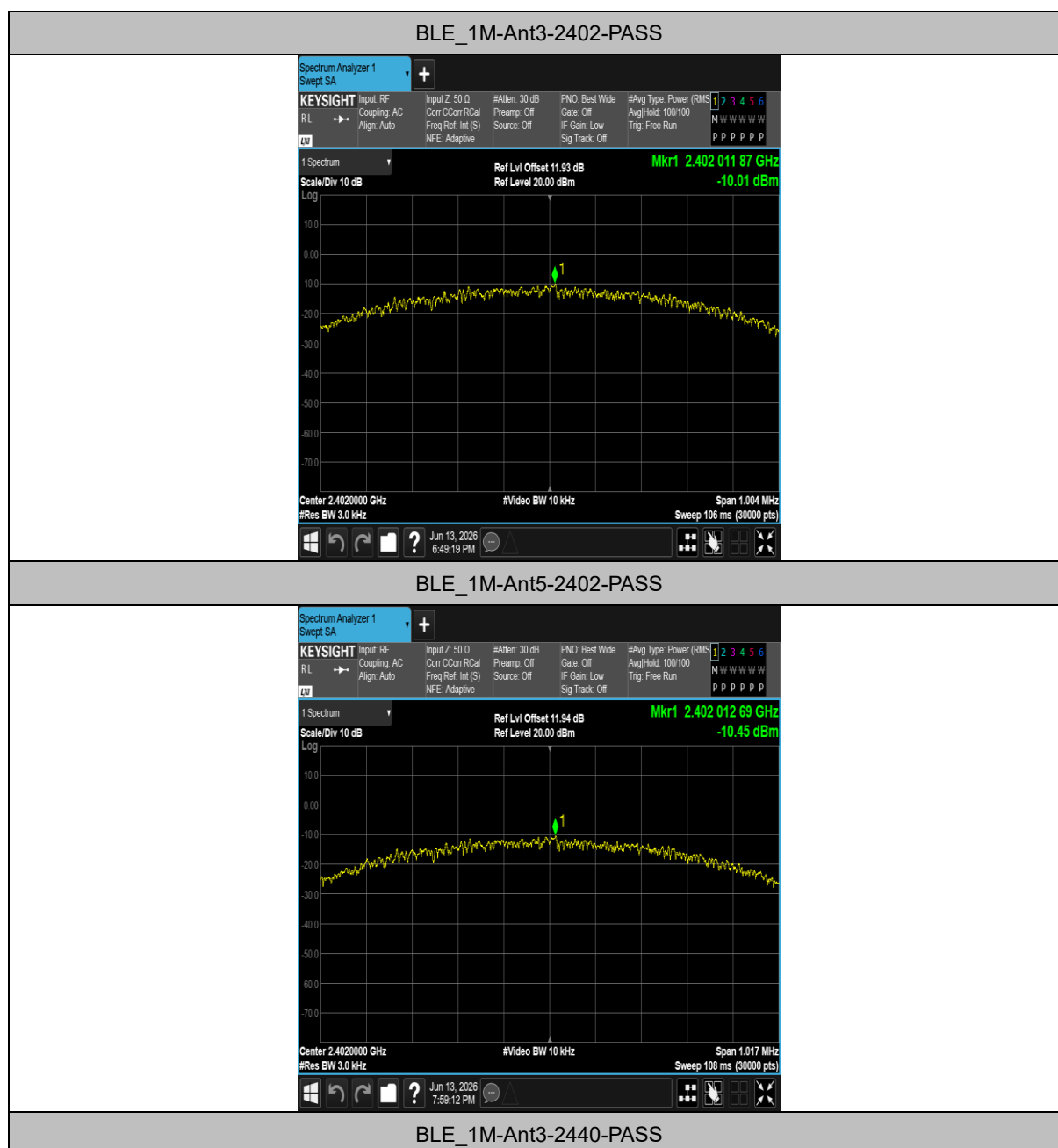
Test Mode	Antenna	Frequency [MHz]	Result [dBm]	Limit [dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
BLE_1M	Ant3	2402	4.97	≤30.00	0.7	5.67	≤36.00	PASS
BLE_1M	Ant5	2402	4.69	≤30.00	-0.1	4.59	≤36.00	PASS
BLE_1M	Ant3	2440	5.36	≤30.00	0.7	6.06	≤36.00	PASS
BLE_1M	Ant5	2440	5.01	≤30.00	-0.1	4.91	≤36.00	PASS
BLE_1M	Ant3	2480	5.56	≤30.00	0.7	6.26	≤36.00	PASS
BLE_1M	Ant5	2480	4.88	≤30.00	-0.1	4.78	≤36.00	PASS
BLE_2M	Ant5	2404	4.96	≤30.00	0.7	5.66	≤36.00	PASS
BLE_2M	Ant3	2404	5.23	≤30.00	-0.1	5.13	≤36.00	PASS
BLE_2M	Ant3	2440	5.28	≤30.00	0.7	5.98	≤36.00	PASS
BLE_2M	Ant5	2440	4.89	≤30.00	-0.1	4.79	≤36.00	PASS
BLE_2M	Ant3	2478	5.73	≤30.00	0.7	6.43	≤36.00	PASS
BLE_2M	Ant5	2478	5.37	≤30.00	-0.1	5.27	≤36.00	PASS
BLE_125K	Ant3	2402	5.05	≤30.00	0.7	5.75	≤36.00	PASS
BLE_125K	Ant5	2402	4.65	≤30.00	-0.1	4.55	≤36.00	PASS
BLE_125K	Ant3	2440	5.30	≤30.00	0.7	6.00	≤36.00	PASS
BLE_125K	Ant5	2440	5.00	≤30.00	-0.1	4.90	≤36.00	PASS
BLE_125K	Ant3	2480	5.46	≤30.00	0.7	6.16	≤36.00	PASS
BLE_125K	Ant5	2480	4.90	≤30.00	-0.1	4.80	≤36.00	PASS
BLE_500K	Ant3	2402	5.13	≤30.00	0.7	5.83	≤36.00	PASS
BLE_500K	Ant5	2402	4.72	≤30.00	-0.1	4.62	≤36.00	PASS
BLE_500K	Ant3	2440	5.38	≤30.00	0.7	6.08	≤36.00	PASS
BLE_500K	Ant5	2440	5.08	≤30.00	-0.1	4.98	≤36.00	PASS
BLE_500K	Ant3	2480	5.56	≤30.00	0.7	6.26	≤36.00	PASS
BLE_500K	Ant5	2480	4.97	≤30.00	-0.1	4.87	≤36.00	PASS

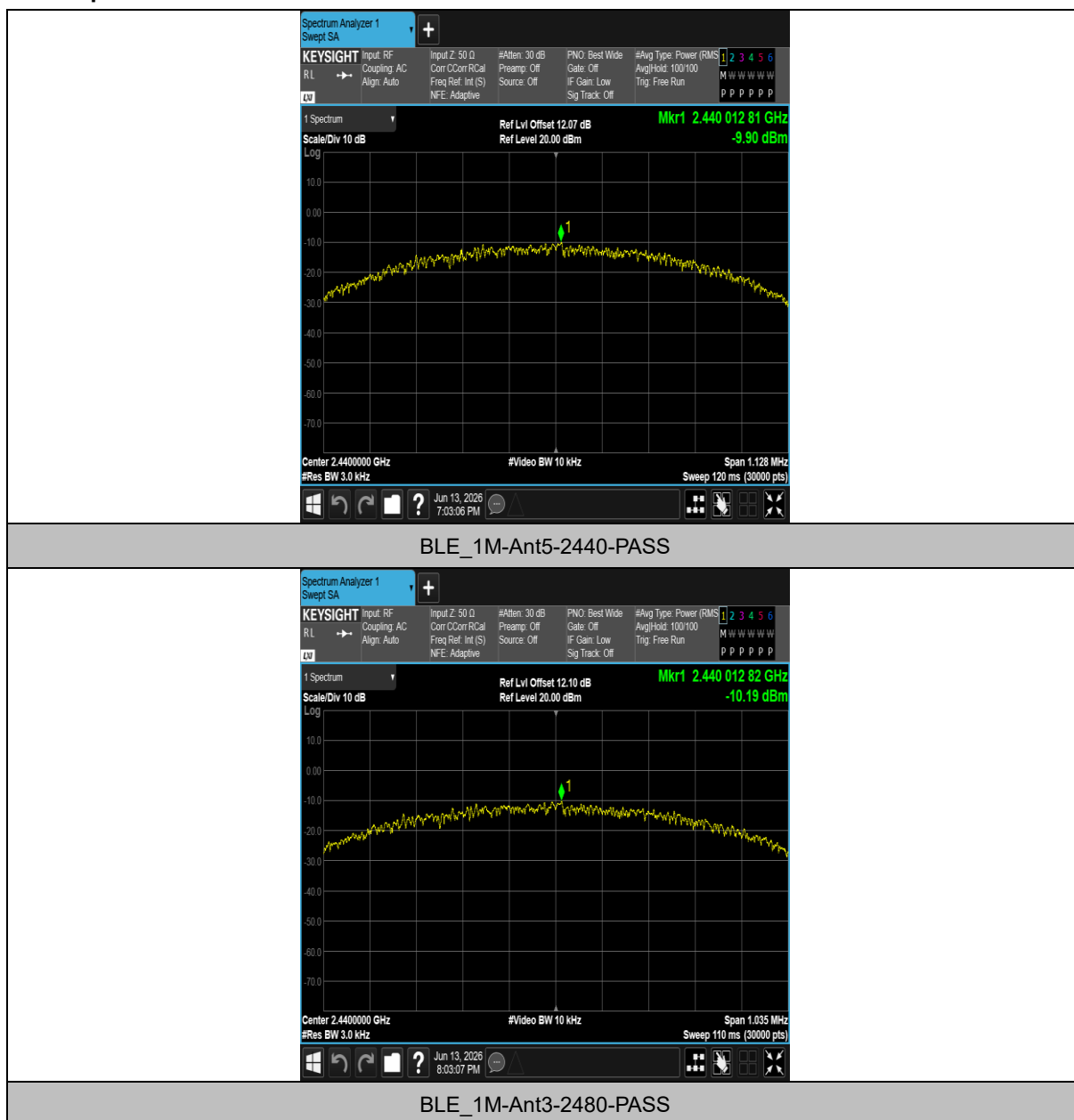
MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant3	2402	-10.01	≤8.00	PASS
BLE_1M	Ant5	2402	-10.45	≤8.00	PASS
BLE_1M	Ant3	2440	-9.90	≤8.00	PASS
BLE_1M	Ant5	2440	-10.19	≤8.00	PASS
BLE_1M	Ant3	2480	-9.26	≤8.00	PASS
BLE_1M	Ant5	2480	-10.14	≤8.00	PASS
BLE_2M	Ant3	2404	-12.67	≤8.00	PASS
BLE_2M	Ant5	2404	-13.05	≤8.00	PASS
BLE_2M	Ant3	2440	-12.81	≤8.00	PASS
BLE_2M	Ant5	2440	-13.29	≤8.00	PASS
BLE_2M	Ant3	2478	-11.90	≤8.00	PASS
BLE_2M	Ant5	2478	-12.48	≤8.00	PASS
BLE_125K	Ant3	2402	-0.01	≤8.00	PASS
BLE_125K	Ant5	2402	-0.66	≤8.00	PASS
BLE_125K	Ant3	2440	-0.15	≤8.00	PASS
BLE_125K	Ant5	2440	-0.47	≤8.00	PASS
BLE_125K	Ant3	2480	0.41	≤8.00	PASS
BLE_125K	Ant5	2480	-0.32	≤8.00	PASS
BLE_500K	Ant3	2402	-0.34	≤8.00	PASS
BLE_500K	Ant5	2402	-0.69	≤8.00	PASS
BLE_500K	Ant3	2440	-0.22	≤8.00	PASS
BLE_500K	Ant5	2440	-0.42	≤8.00	PASS
BLE_500K	Ant3	2480	0.30	≤8.00	PASS
BLE_500K	Ant5	2480	-0.34	≤8.00	PASS

TEST GRAPHS







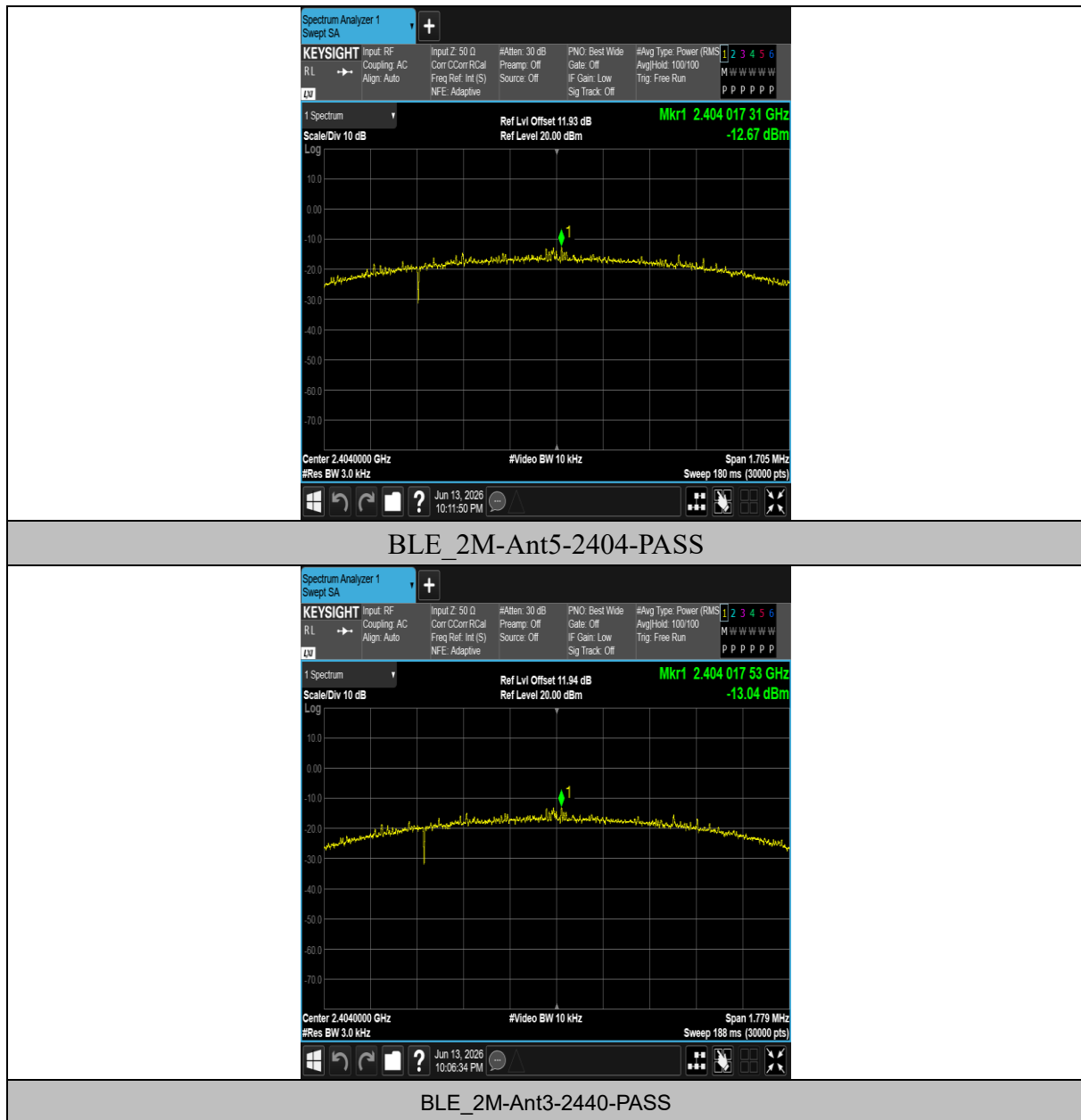
Test Report No.: RF260626B007

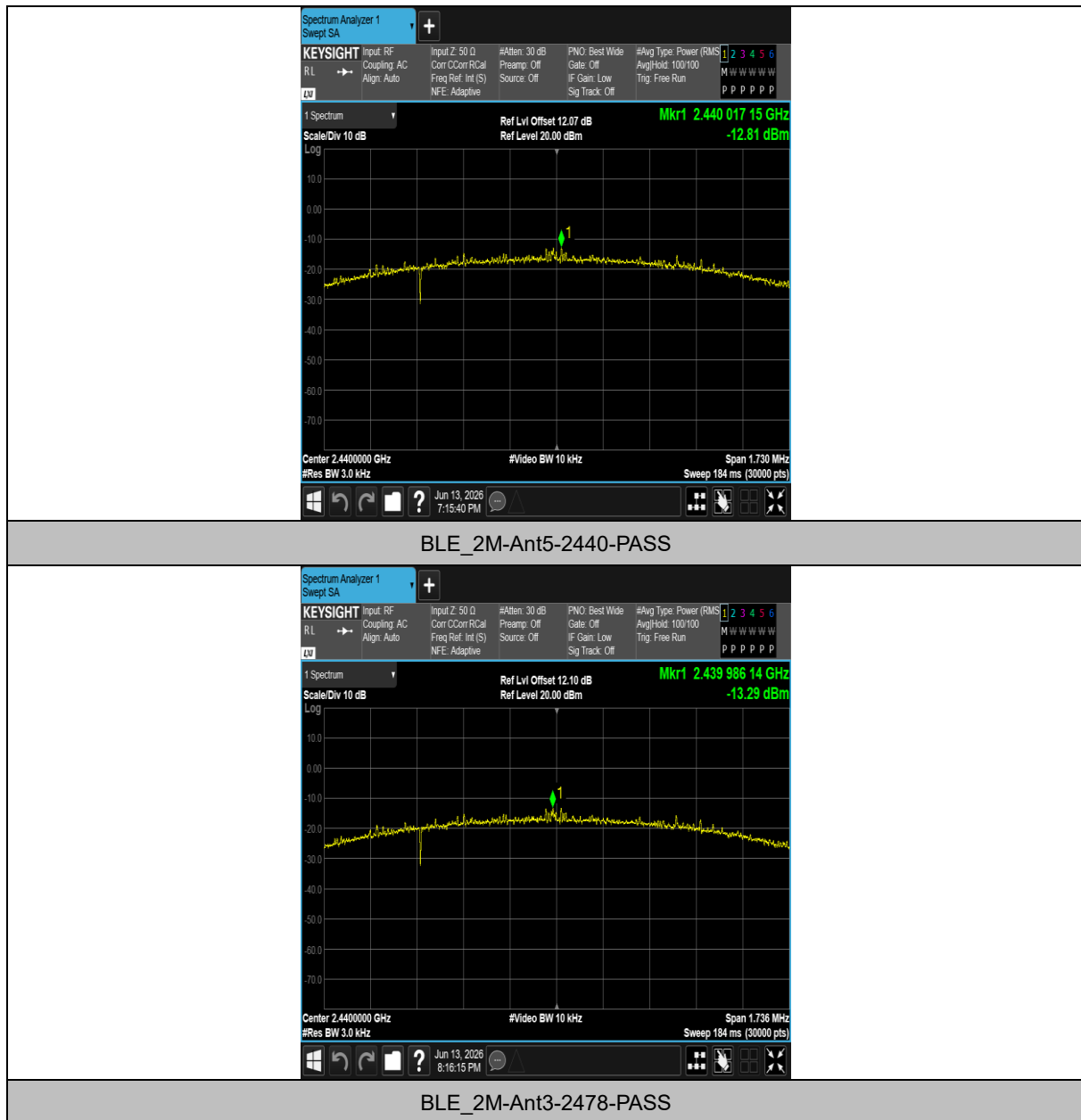


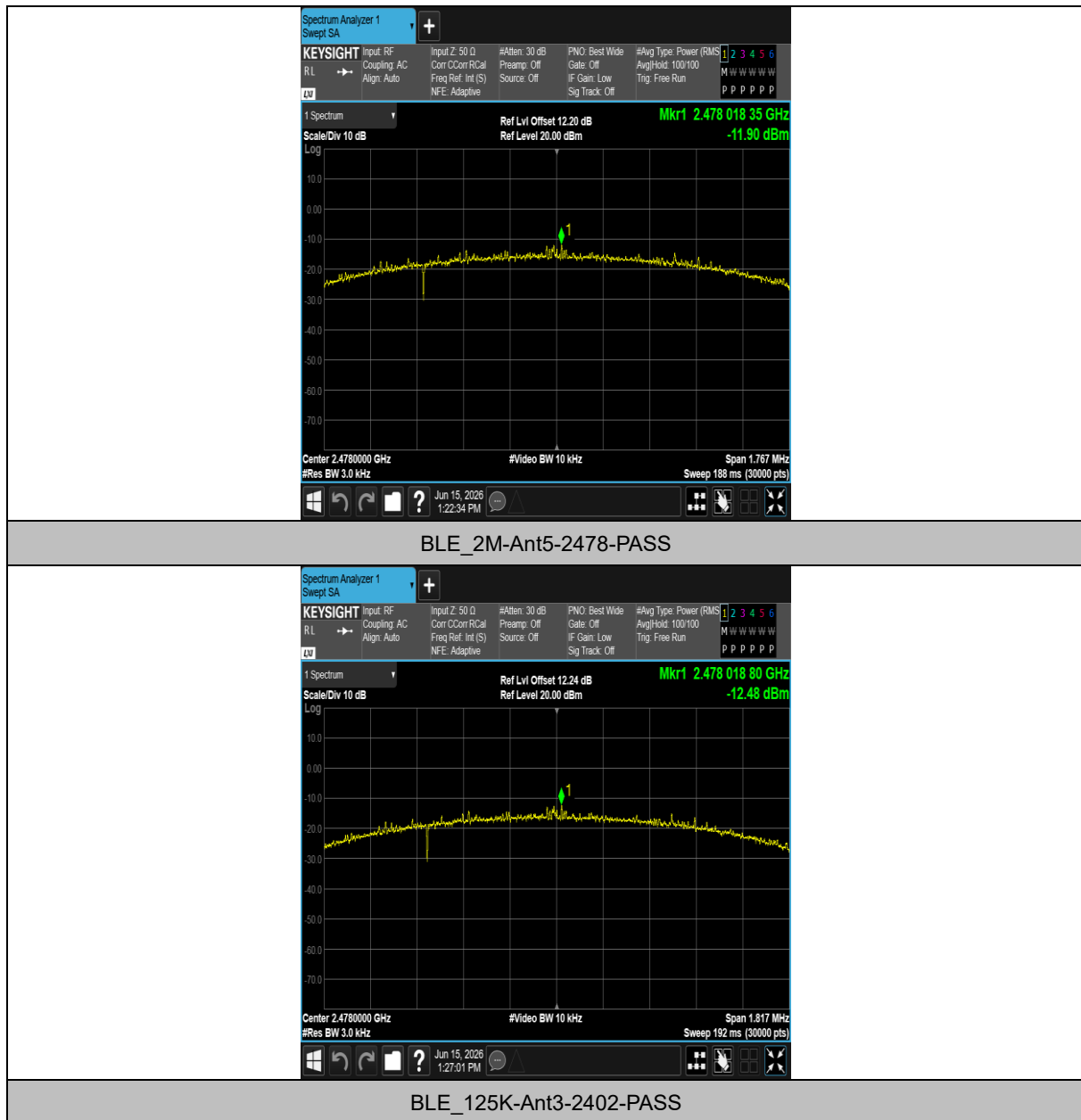
BOOMWAVE TEST (SHENZHEN)
CO., LTD.

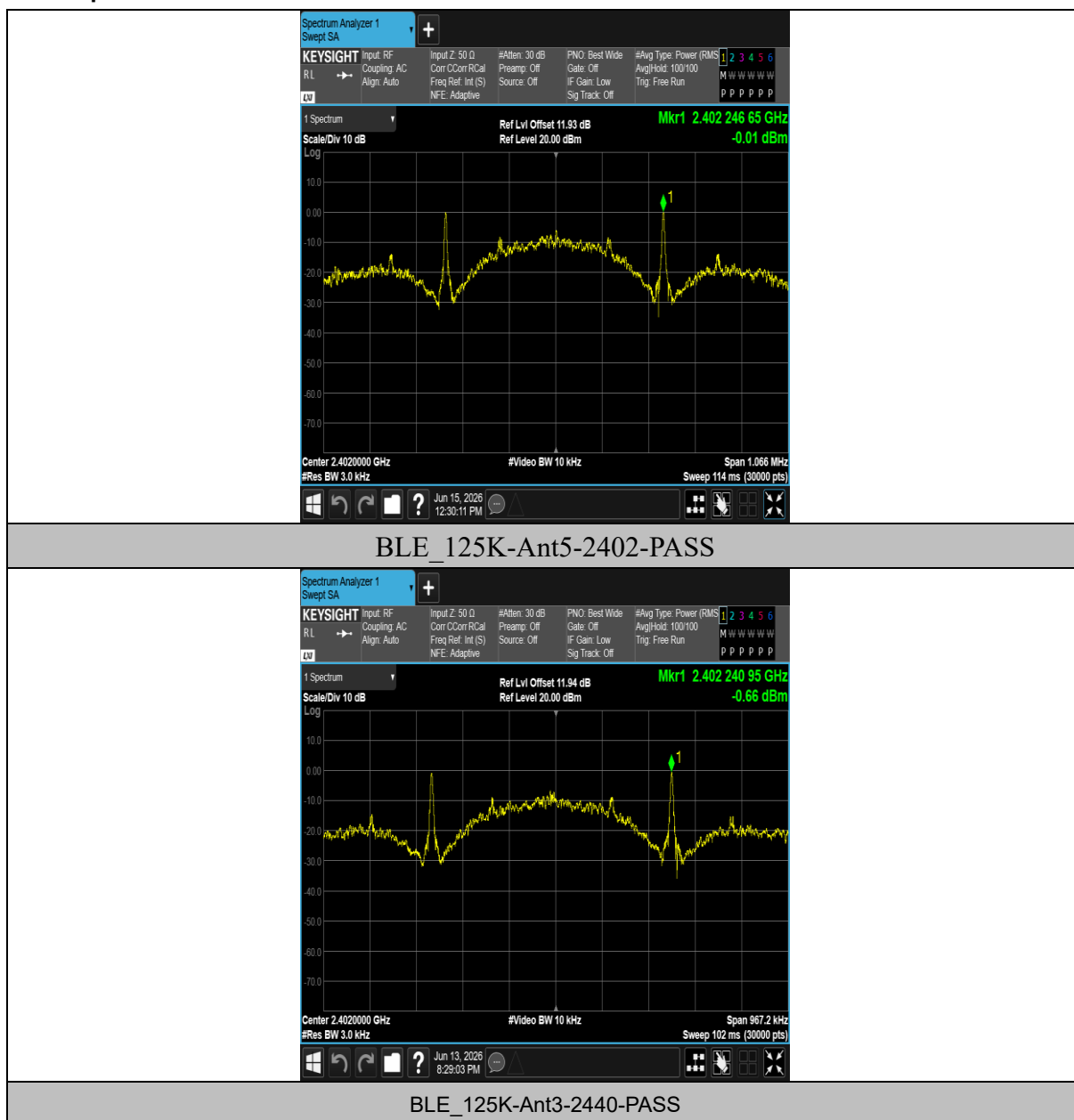
Room B38, Warehouse A5(Chiwan No.1), No.3 Chiwan
4th Road, Chiwan Community, Zhaoshang Street,
Nanshan District, Shenzhen, Guangdong, P.R. CHINA

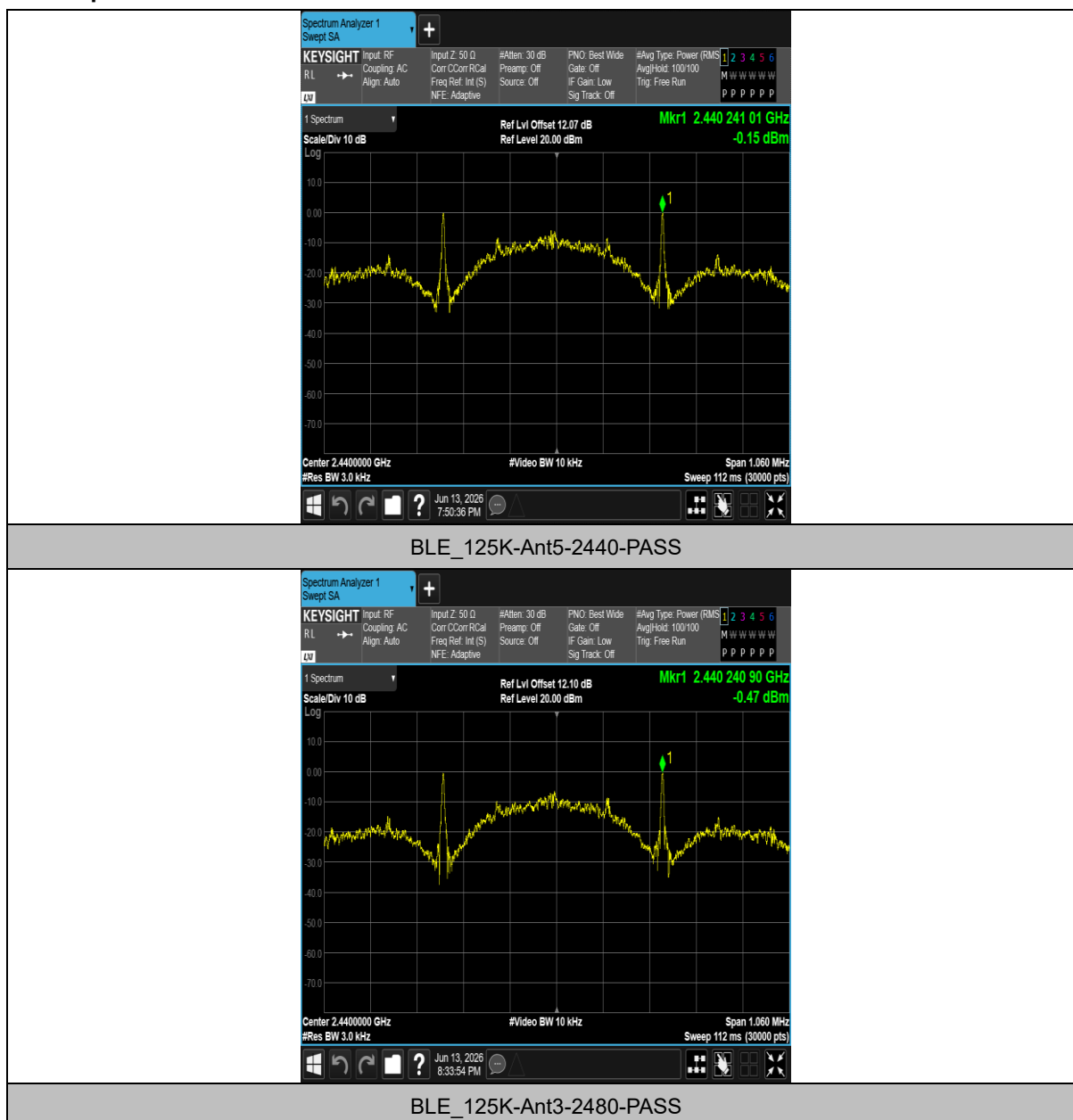
Mobile: +86 15118052731
Email:shimin.wang@boomwavelab.com



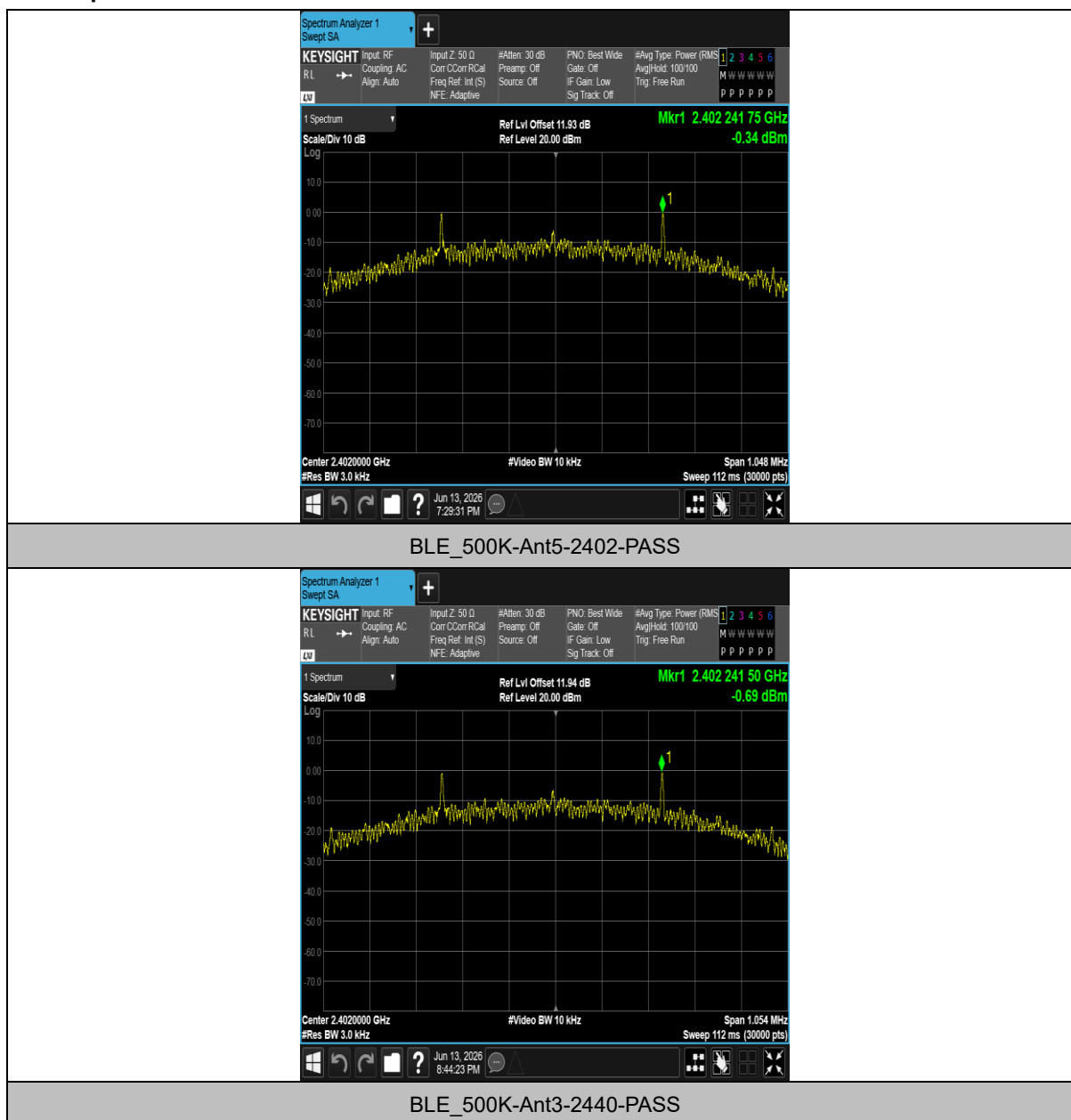


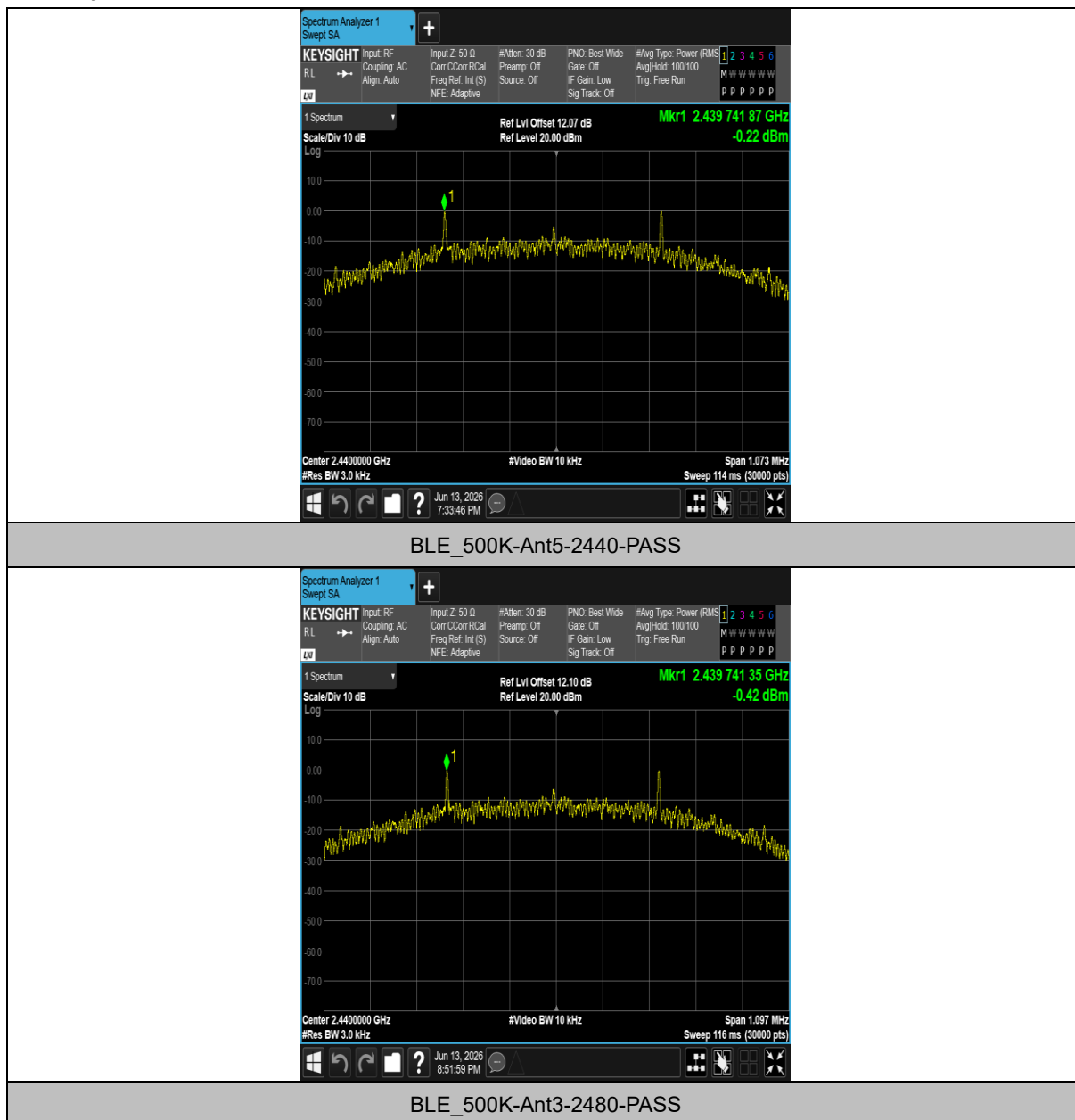


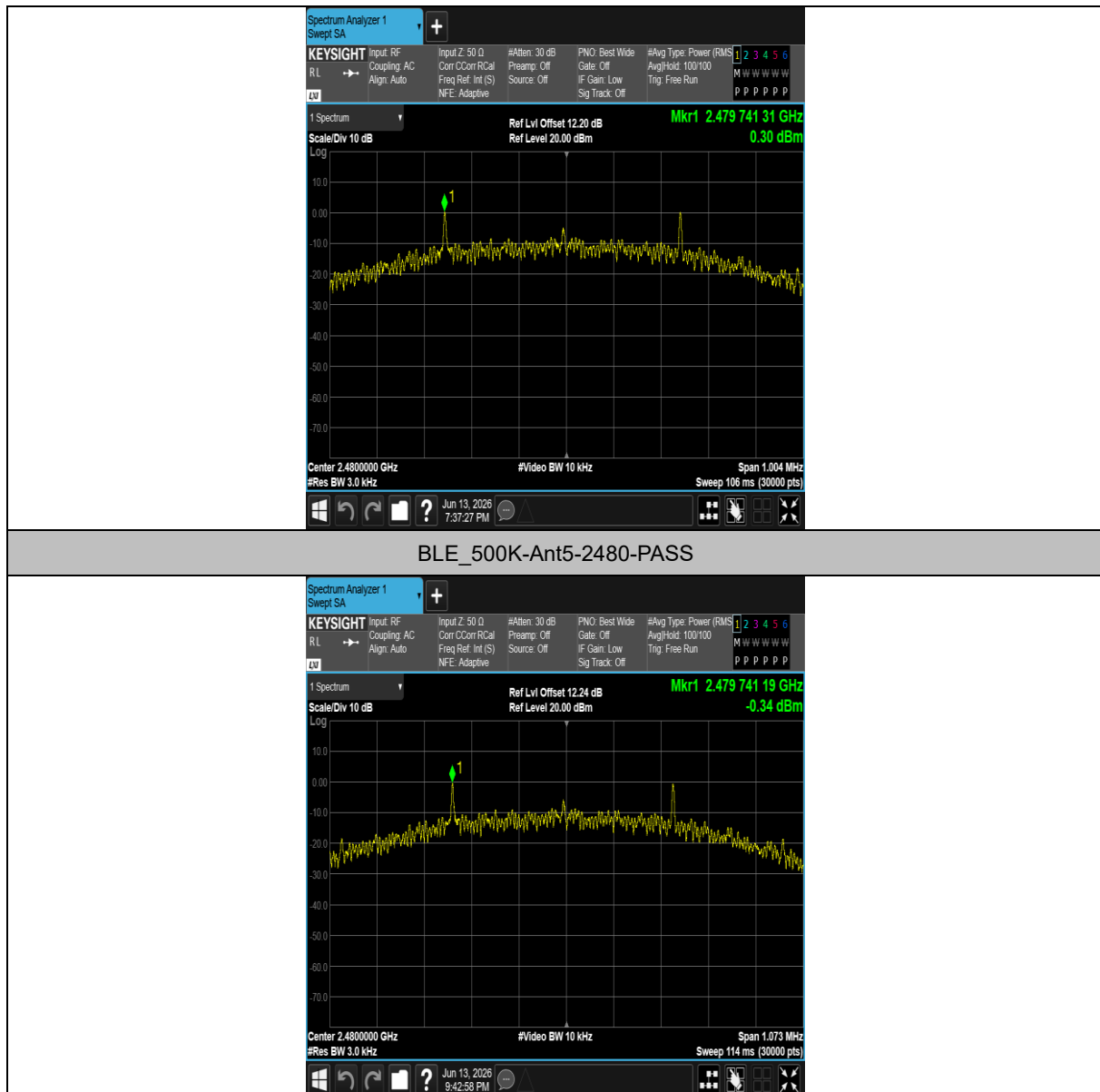










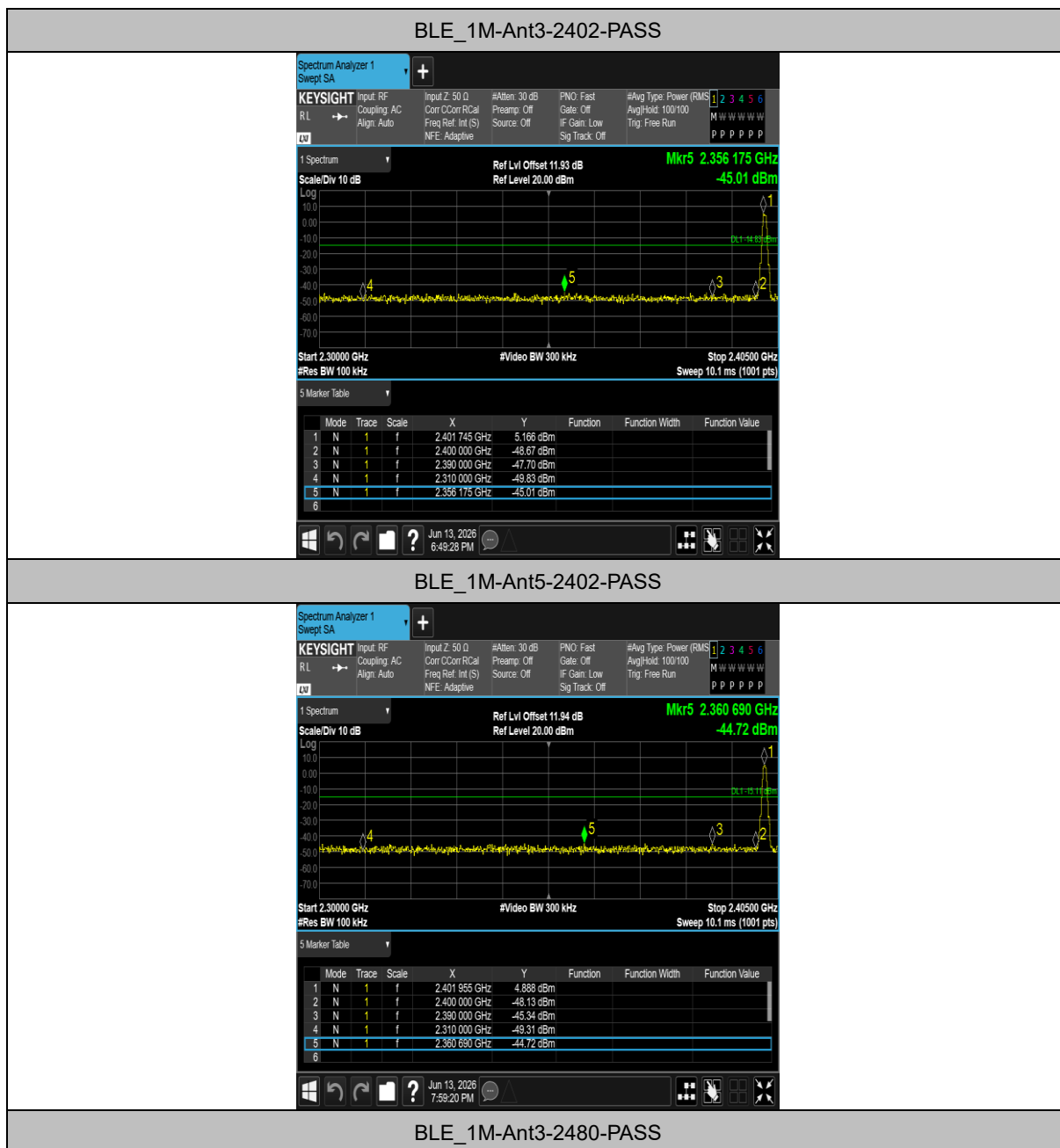


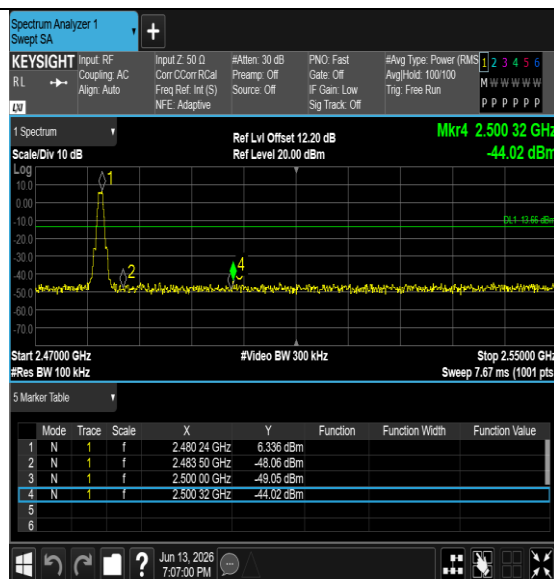
BAND EDGE MEASUREMENTS

TEST RESULT

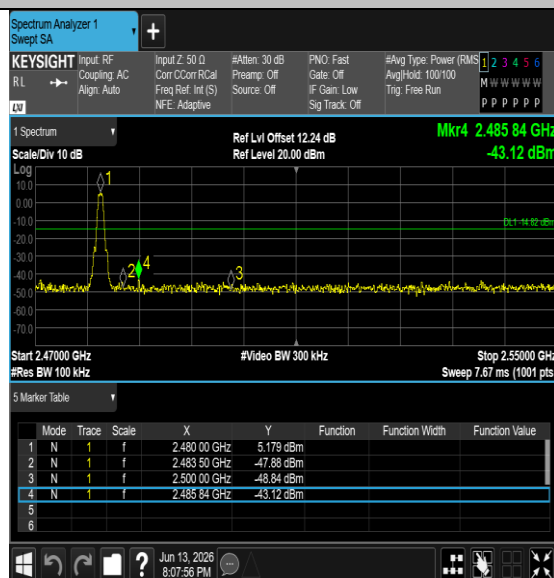
TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant3	Low	2402	5.17	-45.01	≤-14.83	PASS
BLE_1M	Ant5	Low	2402	4.89	-44.72	≤-15.11	PASS
BLE_1M	Ant3	High	2480	6.34	-44.02	≤-13.66	PASS
BLE_1M	Ant5	High	2480	5.18	-43.12	≤-14.82	PASS
BLE_2M	Ant3	Low	2404	5.84	-44.13	≤-14.16	PASS
BLE_2M	Ant5	Low	2404	5.09	-44.68	≤-14.91	PASS
BLE_2M	Ant3	High	2478	5.60	-43.42	≤-14.4	PASS
BLE_2M	Ant5	High	2478	5.13	-43.81	≤-14.87	PASS
BLE_125K	Ant3	Low	2402	2.33	-43.4	≤-17.67	PASS
BLE_125K	Ant5	Low	2402	2.13	-43.16	≤-17.87	PASS
BLE_125K	Ant3	High	2480	3.18	-42.89	≤-16.82	PASS
BLE_125K	Ant5	High	2480	2.50	-43.69	≤-17.5	PASS
BLE_500K	Ant3	Low	2402	4.93	-44.73	≤-15.07	PASS
BLE_500K	Ant5	Low	2402	5.19	-44.65	≤-14.81	PASS
BLE_500K	Ant3	High	2480	6.20	-43.93	≤-13.8	PASS
BLE_500K	Ant5	High	2480	5.27	-44.62	≤-14.74	PASS

TEST GRAPHS

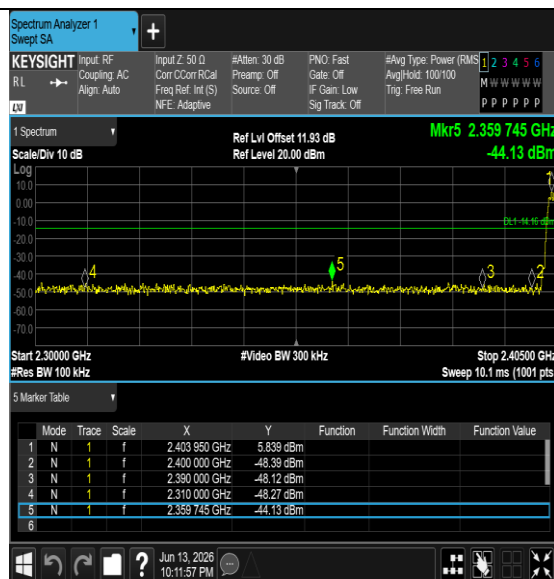




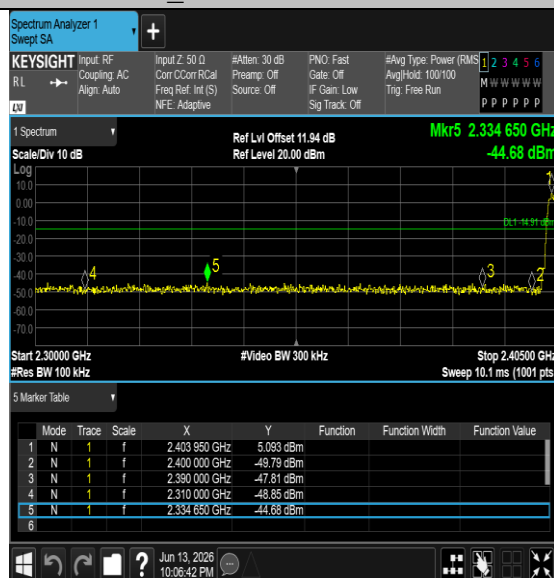
BLE_1M-Ant5-2480-PASS



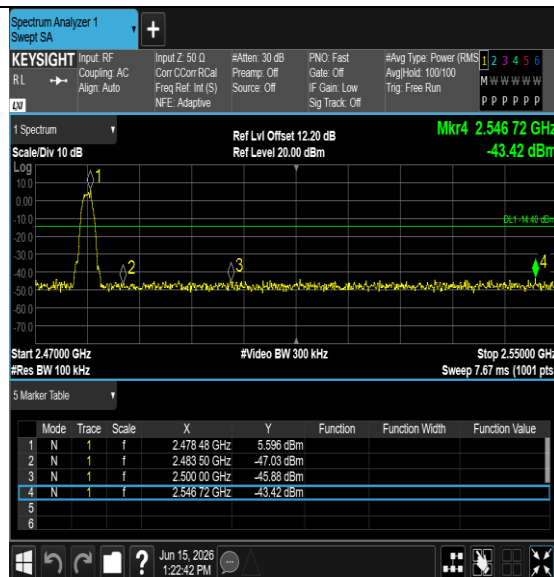
BLE_2M-Ant3-2404-PASS



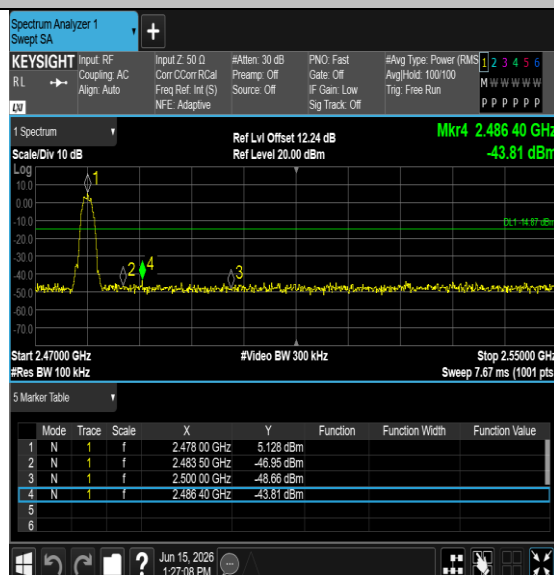
BLE_2M-Ant5-2404-PASS



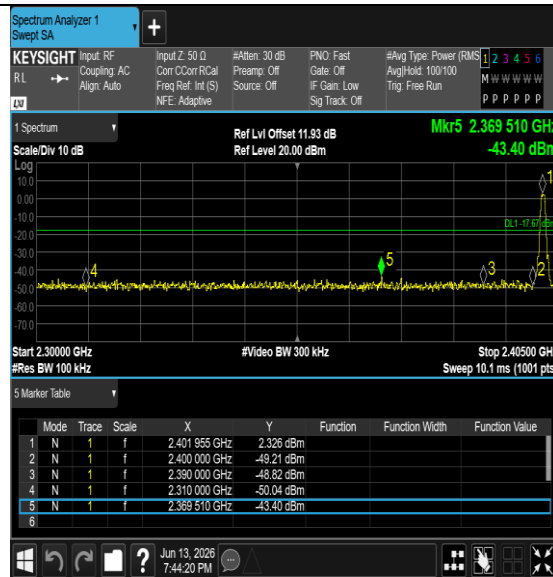
BLE_2M-Ant3-2478-PASS



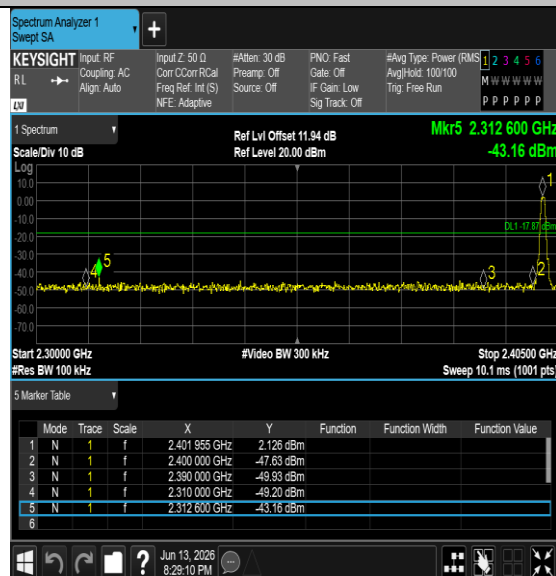
BLE_2M-Ant5-2478-PASS



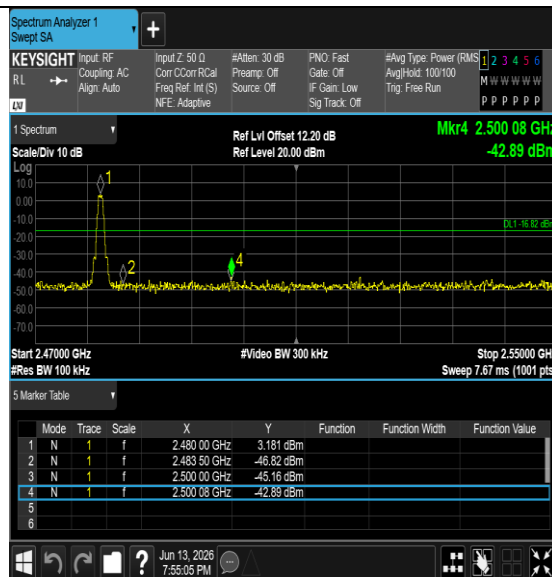
BLE_125K-Ant3-2402-PASS



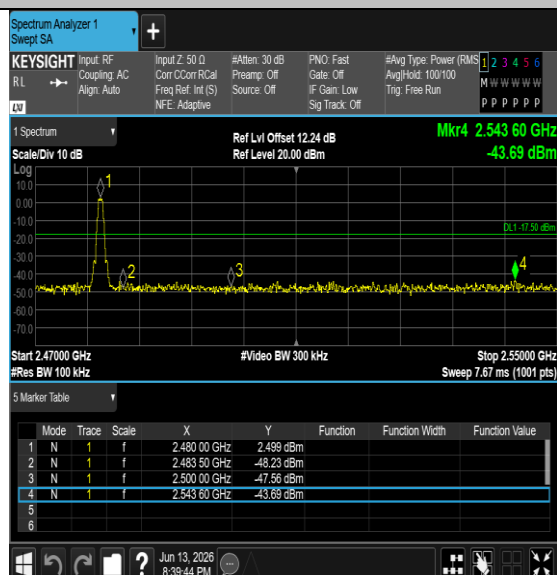
BLE_125K-Ant5-2402-PASS



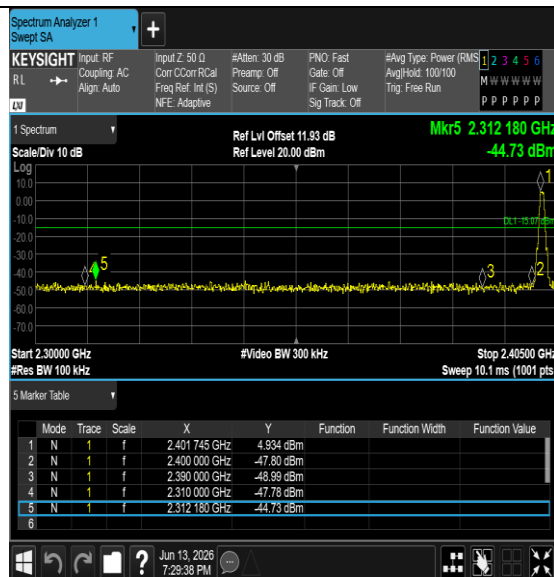
BLE_125K-Ant3-2480-PASS



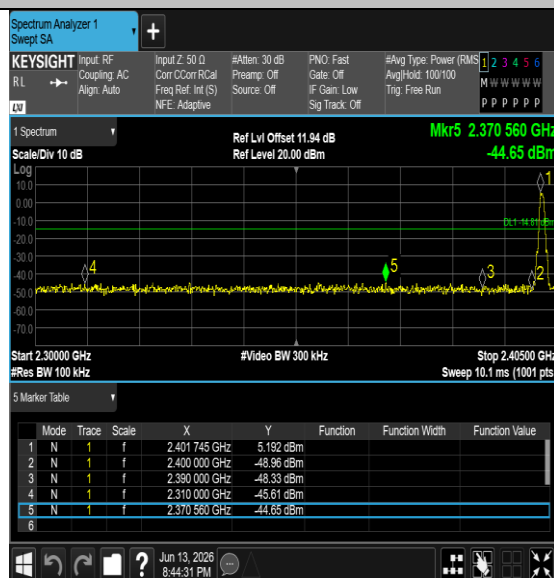
BLE_125K-Ant5-2480-PASS



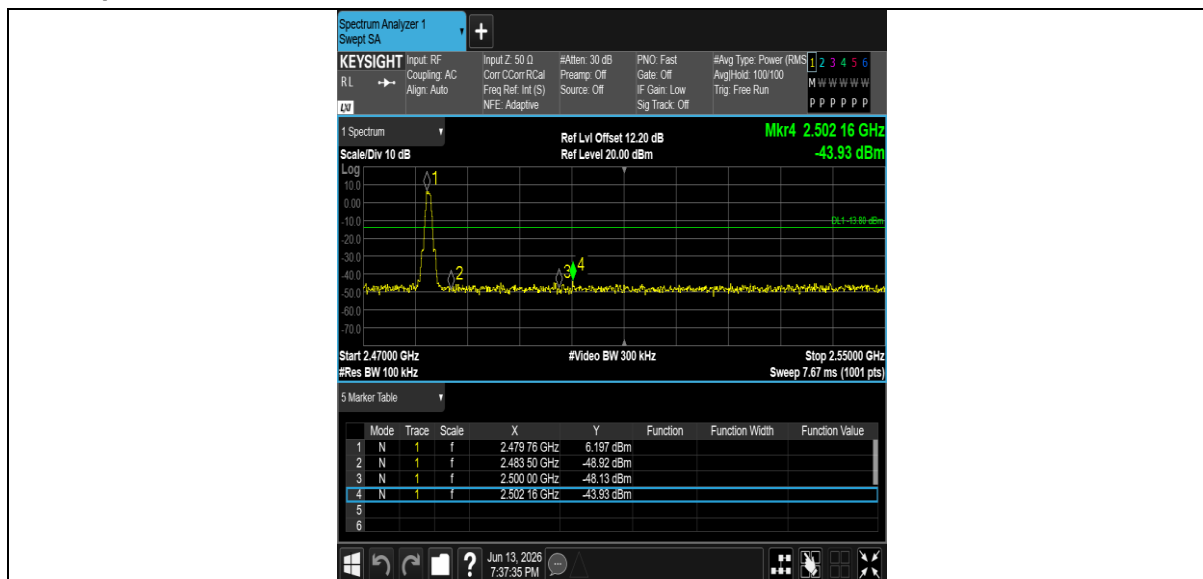
BLE_500K-Ant3-2402-PASS



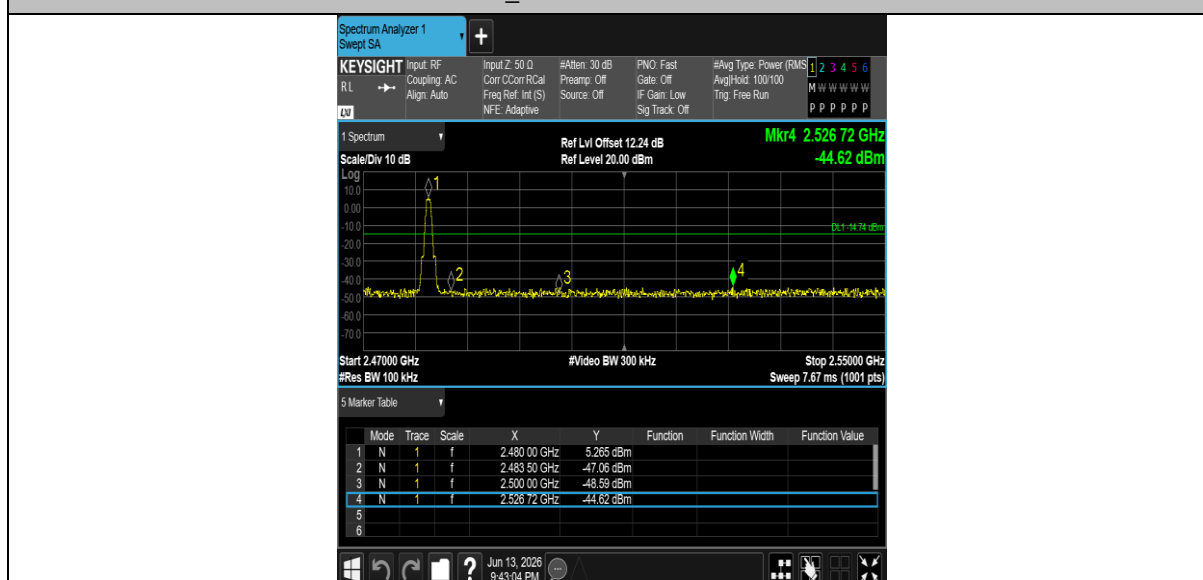
BLE_500K-Ant5-2402-PASS



BLE_500K-Ant3-2480-PASS



BLE_500K-Ant5-2480-PASS



CONDUCTED SPURIOUS EMISSION

TEST RESULT

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant3	2402	0~Reference	3.87	3.87	---	PASS
BLE_1M	Ant5	2402	0~Reference	4.36	4.36	---	PASS
BLE_1M	Ant3	2402	30~1000	3.87	-55.49	≤-16.13	PASS
BLE_1M	Ant5	2402	30~1000	4.36	-56.66	≤-15.64	PASS
BLE_1M	Ant3	2402	1000~26500	3.87	-44.94	≤-16.13	PASS
BLE_1M	Ant5	2402	1000~26500	4.36	-45.86	≤-15.64	PASS
BLE_1M	Ant3	2440	0~Reference	5.77	5.77	---	PASS
BLE_1M	Ant5	2440	0~Reference	5.24	5.24	---	PASS
BLE_1M	Ant3	2440	30~1000	5.77	-56.58	≤-14.23	PASS
BLE_1M	Ant5	2440	30~1000	5.24	-55.86	≤-14.76	PASS
BLE_1M	Ant3	2440	1000~26500	5.77	-45.48	≤-14.23	PASS
BLE_1M	Ant5	2440	1000~26500	5.24	-45.6	≤-14.76	PASS
BLE_1M	Ant3	2480	0~Reference	5.70	5.70	---	PASS
BLE_1M	Ant5	2480	0~Reference	4.56	4.56	---	PASS
BLE_1M	Ant3	2480	30~1000	5.70	-56.26	≤-14.3	PASS
BLE_1M	Ant5	2480	30~1000	4.56	-56.49	≤-15.44	PASS
BLE_1M	Ant3	2480	1000~26500	5.70	-45.18	≤-14.3	PASS
BLE_1M	Ant5	2480	1000~26500	4.56	-45.46	≤-15.44	PASS
BLE_2M	Ant5	2404	0~Reference	2.59	2.59	---	PASS
BLE_2M	Ant3	2404	0~Reference	3.07	3.07	---	PASS
BLE_2M	Ant5	2404	30~1000	2.59	-56.27	≤-17.41	PASS
BLE_2M	Ant3	2404	30~1000	3.07	-57.05	≤-16.93	PASS
BLE_2M	Ant5	2404	1000~26500	2.59	-45.38	≤-17.41	PASS
BLE_2M	Ant3	2404	1000~26500	3.07	-46.36	≤-16.93	PASS
BLE_2M	Ant3	2440	0~Reference	4.65	4.65	---	PASS
BLE_2M	Ant5	2440	0~Reference	4.29	4.29	---	PASS
BLE_2M	Ant3	2440	30~1000	4.65	-56.68	≤-15.35	PASS
BLE_2M	Ant5	2440	30~1000	4.29	-56.55	≤-15.71	PASS
BLE_2M	Ant3	2440	1000~26500	4.65	-46.28	≤-15.35	PASS
BLE_2M	Ant5	2440	1000~26500	4.29	-45.09	≤-15.71	PASS
BLE_2M	Ant3	2478	0~Reference	4.41	4.41	---	PASS

Test Report No.: RF260626B007

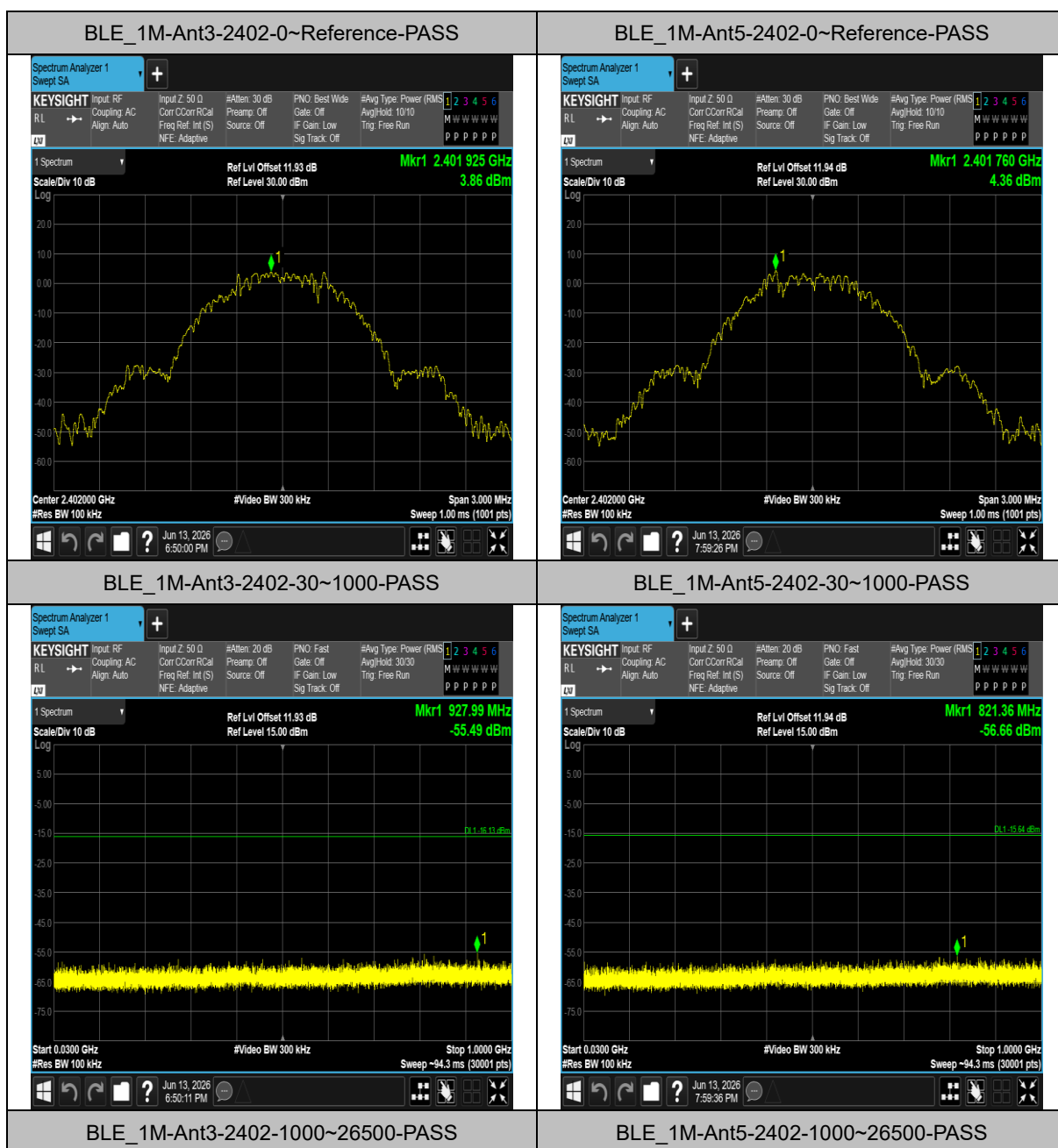
BLE_2M	Ant5	2478	0~Reference	5.24	5.24	---	PASS
BLE_2M	Ant3	2478	30~1000	4.41	-56.26	≤-15.59	PASS
BLE_2M	Ant5	2478	30~1000	5.24	-56.21	≤-14.76	PASS
BLE_2M	Ant3	2478	1000~26500	4.41	-46.57	≤-15.59	PASS
BLE_2M	Ant5	2478	1000~26500	5.24	-46.29	≤-14.76	PASS
BLE_125K	Ant3	2402	0~Reference	2.19	2.19	---	PASS
BLE_125K	Ant5	2402	0~Reference	1.99	1.99	---	PASS
BLE_125K	Ant3	2402	30~1000	2.19	-57.18	≤-17.81	PASS
BLE_125K	Ant5	2402	30~1000	1.99	-56.18	≤-18.01	PASS
BLE_125K	Ant3	2402	1000~26500	2.19	-45.03	≤-17.81	PASS
BLE_125K	Ant5	2402	1000~26500	1.99	-45.75	≤-18.01	PASS
BLE_125K	Ant3	2440	0~Reference	2.50	2.50	---	PASS
BLE_125K	Ant5	2440	0~Reference	1.92	1.92	---	PASS
BLE_125K	Ant3	2440	30~1000	2.50	-56.01	≤-17.5	PASS
BLE_125K	Ant5	2440	30~1000	1.92	-56.76	≤-18.08	PASS
BLE_125K	Ant3	2440	1000~26500	2.50	-45.61	≤-17.5	PASS
BLE_125K	Ant5	2440	1000~26500	1.92	-45.4	≤-18.08	PASS
BLE_125K	Ant3	2480	0~Reference	3.15	3.15	---	PASS
BLE_125K	Ant5	2480	0~Reference	2.47	2.47	---	PASS
BLE_125K	Ant3	2480	30~1000	3.15	-56.27	≤-16.85	PASS
BLE_125K	Ant5	2480	30~1000	2.47	-55.89	≤-17.53	PASS
BLE_125K	Ant3	2480	1000~26500	3.15	-45.65	≤-16.85	PASS
BLE_125K	Ant5	2480	1000~26500	2.47	-45.54	≤-17.53	PASS
BLE_500K	Ant3	2402	0~Reference	5.23	5.23	---	PASS
BLE_500K	Ant5	2402	0~Reference	4.09	4.09	---	PASS
BLE_500K	Ant3	2402	30~1000	5.23	-56.85	≤-14.77	PASS
BLE_500K	Ant5	2402	30~1000	4.09	-56.89	≤-15.91	PASS
BLE_500K	Ant3	2402	1000~26500	5.23	-46.08	≤-14.77	PASS
BLE_500K	Ant5	2402	1000~26500	4.09	-46.13	≤-15.91	PASS
BLE_500K	Ant3	2440	0~Reference	4.67	4.67	---	PASS
BLE_500K	Ant5	2440	0~Reference	4.20	4.20	---	PASS
BLE_500K	Ant3	2440	30~1000	4.67	-56.7	≤-15.33	PASS
BLE_500K	Ant5	2440	30~1000	4.20	-56.79	≤-15.8	PASS
BLE_500K	Ant3	2440	1000~26500	4.67	-45.88	≤-15.33	PASS
BLE_500K	Ant5	2440	1000~26500	4.20	-46	≤-15.8	PASS
BLE_500K	Ant3	2480	0~Reference	4.91	4.91	---	PASS



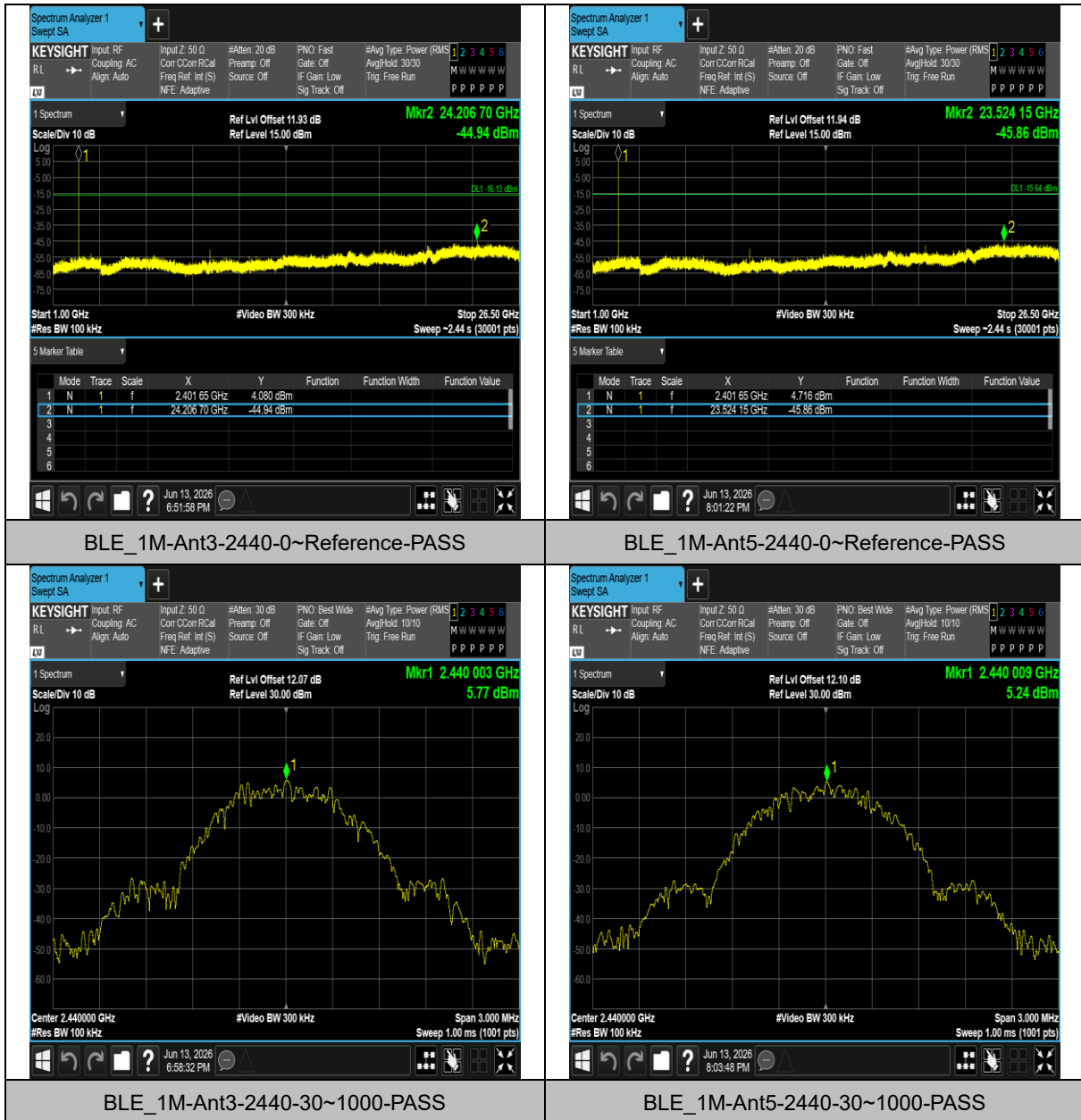
Test Report No.: RF260626B007

BLE_500K	Ant5	2480	0~Reference	5.21	5.21	---	PASS
BLE_500K	Ant3	2480	30~1000	4.91	-55.29	≤ -15.09	PASS
BLE_500K	Ant5	2480	30~1000	5.21	-55.95	≤ -14.79	PASS
BLE_500K	Ant3	2480	1000~26500	4.91	-45.3	≤ -15.09	PASS
BLE_500K	Ant5	2480	1000~26500	5.21	-45.04	≤ -14.79	PASS

TEST GRAPHS

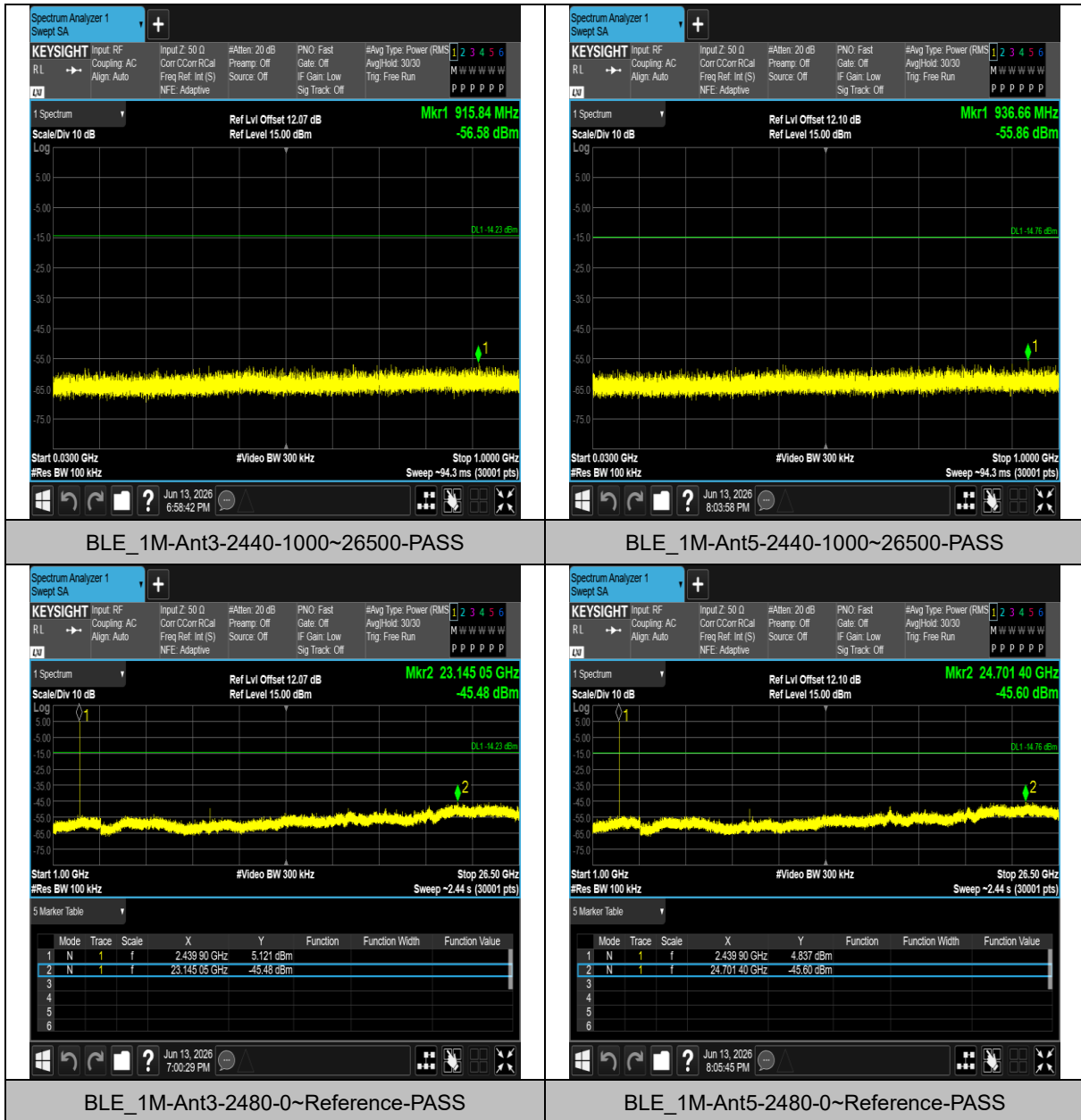


Test Report No.: RF260626B007





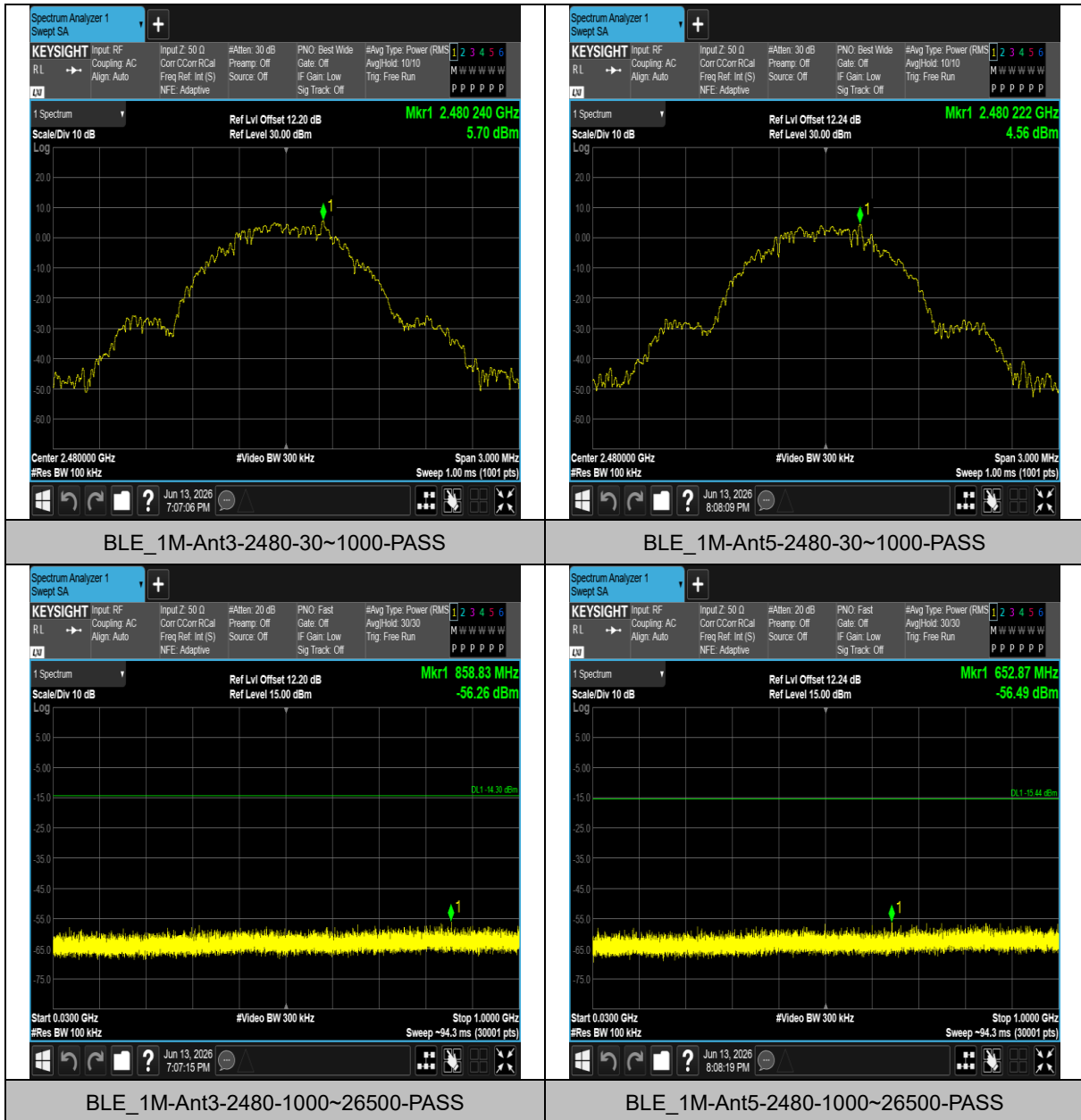
Test Report No.: RF260626B007

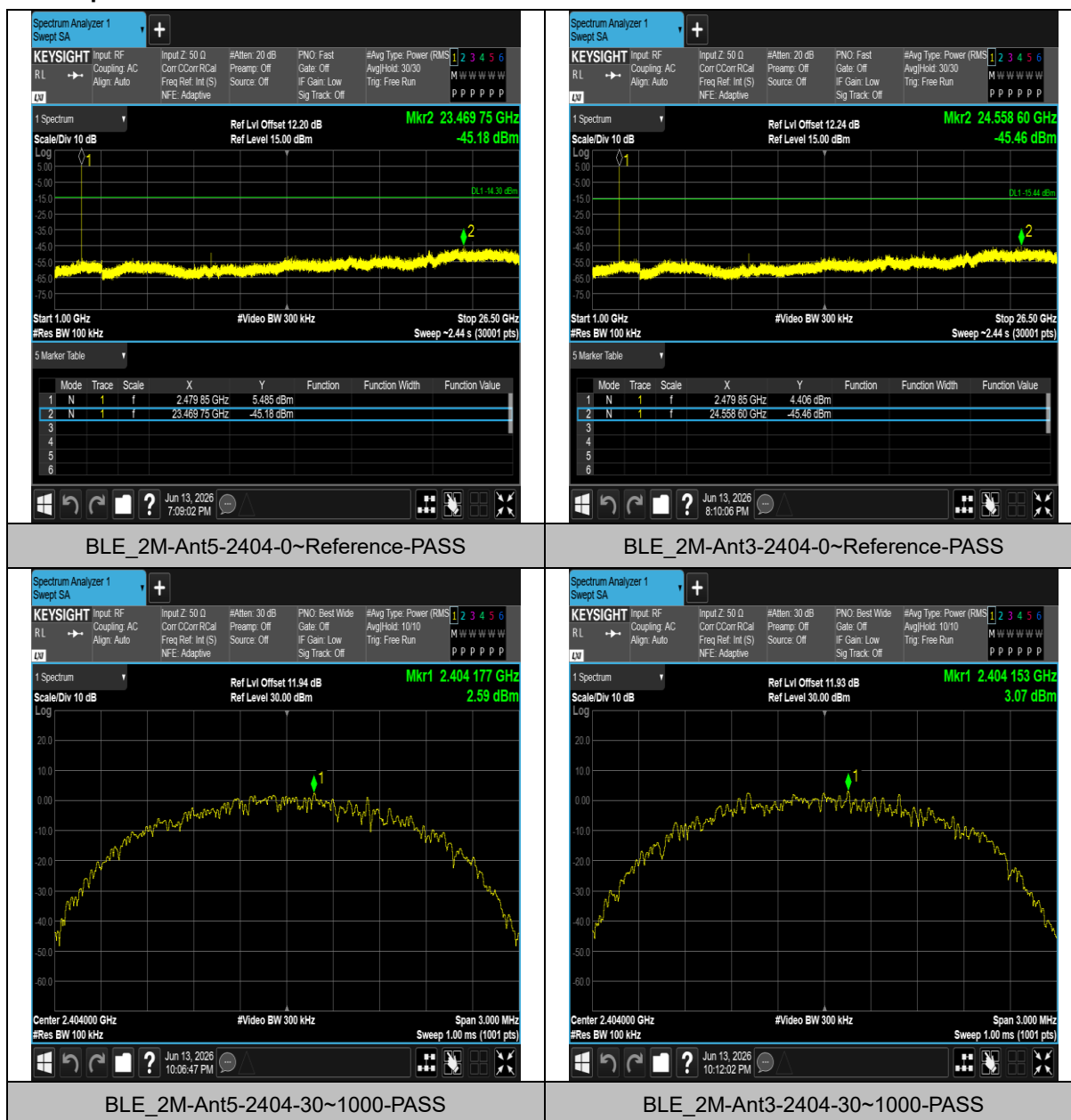


BOOMWAVE TEST (SHENZHEN)
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Nanshan District, Shenzhen, Guangdong, P.R. CHINA

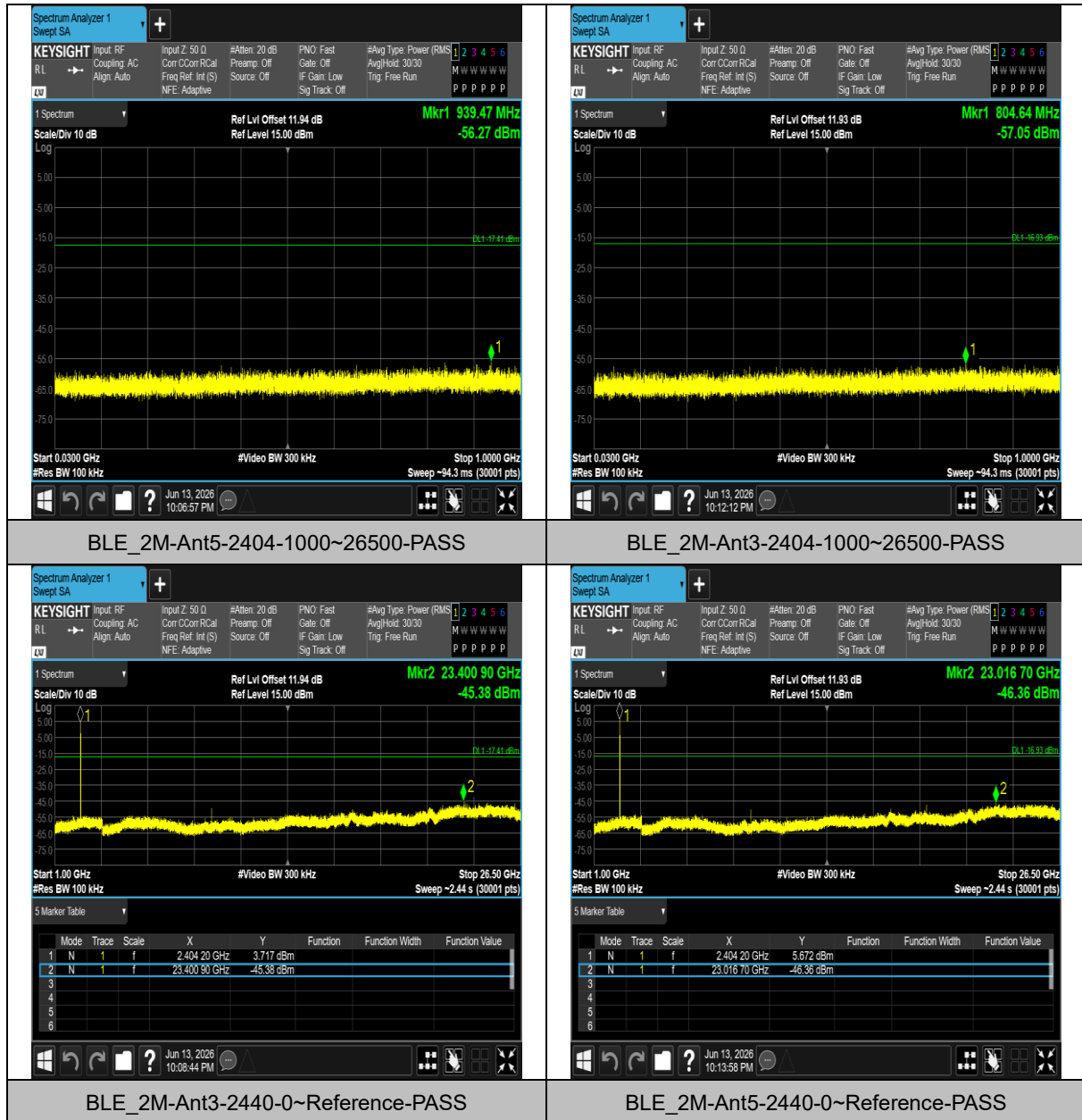
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