

## Appendix A: Test Results of Bluetooth LE

<b>APPENDIX A: TEST RESULTS OF BLUETOOTH LE</b> .....	<b>1</b>
<b>APPENDIX A.1: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY</b> .....	<b>2</b>
<b>APPENDIX A.2: TEST RESULTS OF 6DB BANDWIDTH</b> .....	<b>5</b>
<b>APPENDIX A.3: TEST RESULTS OF 99% BANDWIDTH</b> .....	<b>8</b>
<b>APPENDIX A.4: TEST RESULTS OF CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH</b> .....	<b>11</b>
<i>Conducted Spurious Emission</i> .....	<b>11</b>
<i>Band Edge</i> .....	<b>18</b>
<b>APPENDIX A.5: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS</b> .....	<b>20</b>
<i>30 MHz to 1GHz</i> .....	<b>20</b>
<i>Above 1GHz</i> .....	<b>22</b>
<b>APPENDIX A.6: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS</b> .....	<b>34</b>

**Appendix A.1: Test Results of Conducted Power Spectral Density**

TestMode	Channel	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	2402	-3.37	≤8	PASS
	2440	-3.21	≤8	PASS
	2480	-2.27	≤8	PASS
BLE_2M	2402	-4.51	≤8	PASS
	2440	-5.05	≤8	PASS
	2480	-4.53	≤8	PASS

BLE 1M 2402



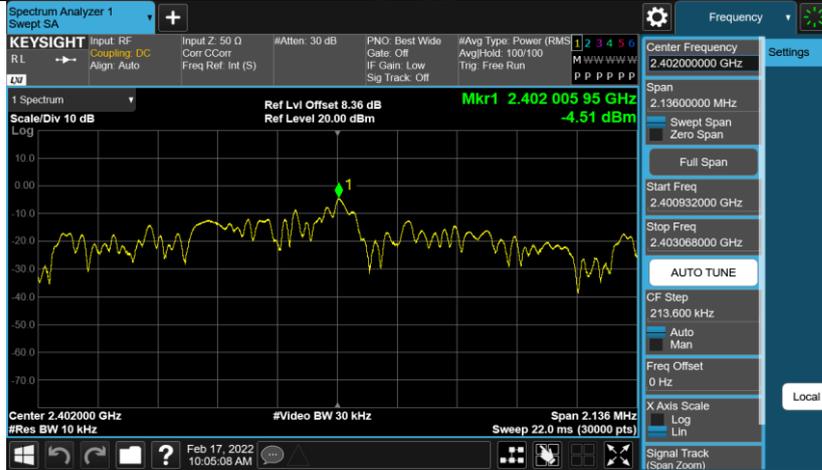
BLE 1M 2440



BLE 1M 2480



BLE 2M 2402



BLE 2M 2440



BLE 2M 2480



**Appendix A.2: Test Results of 6dB Bandwidth**

TestMode	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	2402	0.652	2401.696	2402.348	0.5	PASS
	2440	0.636	2439.712	2440.348	0.5	PASS
	2480	0.648	2479.720	2480.368	0.5	PASS
BLE_2M	2402	1.068	2401.460	2402.528	0.5	PASS
	2440	1.056	2439.480	2440.536	0.5	PASS
	2480	1.040	2479.512	2480.552	0.5	PASS



BLE 2M 2402



BLE 2M 2440



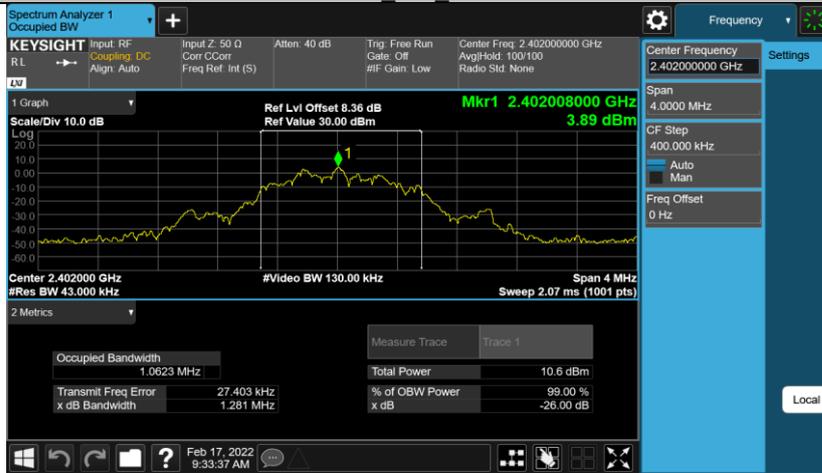
BLE 2M 2480



**Appendix A.3: Test Results of 99% Bandwidth**

TestMode	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	2402	1.0623	2401.496	2402.559	---	PASS
	2440	1.0654	2439.511	2440.577	---	PASS
	2480	1.0561	2479.528	2480.584	---	PASS
BLE_2M	2402	2.0846	2400.990	2403.075	---	PASS
	2440	2.0889	2438.998	2441.087	---	PASS
	2480	2.0881	2479.006	2481.094	---	PASS

BLE 1M 2402



BLE 1M 2440



BLE 1M 2480



BLE 2M 2402



BLE 2M 2440



BLE 2M 2480



## Appendix A.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

### Conducted Spurious Emission

TestMode	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	2402	Reference	4.87	4.87	---	PASS
		30~1000	4.87	-62.73	≤-15.13	PASS
		1000~26500	4.87	-52.24	≤-15.13	PASS
	2440	Reference	2.49	2.49	---	PASS
		30~1000	2.49	-62.26	≤-17.51	PASS
		1000~26500	2.49	-52.83	≤-17.51	PASS
2480	Reference	6.30	6.30	---	PASS	
	30~1000	6.30	-60.72	≤-13.7	PASS	
BLE_2M	2402	Reference	5.89	5.89	---	PASS
		30~1000	5.89	-62.19	≤-14.11	PASS
		1000~26500	5.89	-52.62	≤-14.11	PASS
	2440	Reference	3.87	3.87	---	PASS
		30~1000	3.87	-61.65	≤-16.13	PASS
		1000~26500	3.87	-52.74	≤-16.13	PASS
	2480	Reference	5.91	5.91	---	PASS
		30~1000	5.91	-62.32	≤-14.09	PASS
		1000~26500	5.91	-53.39	≤-14.09	PASS

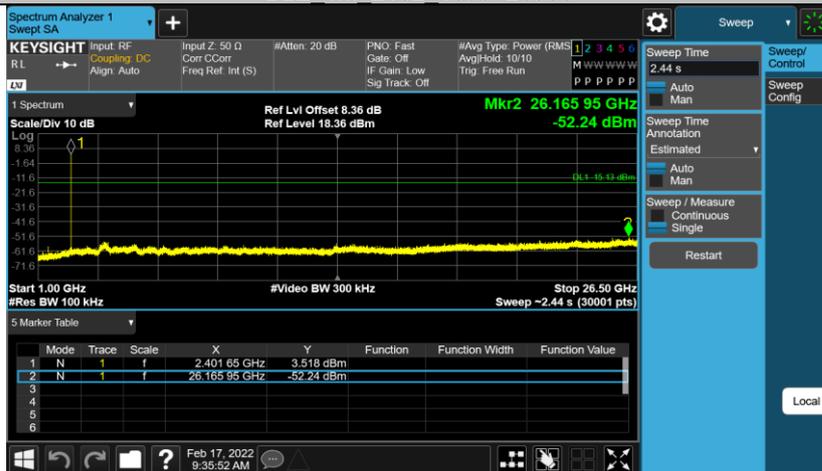
BLE 1M 2402 0~Reference



BLE 1M 2402 30~1000



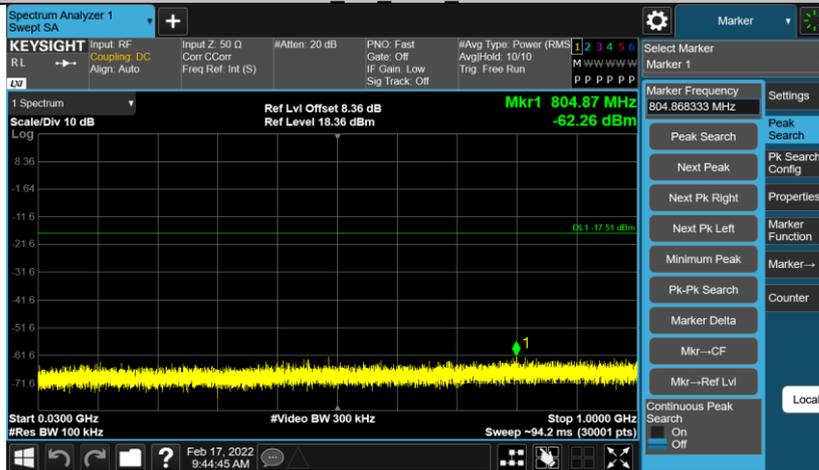
BLE 1M 2402 1000~26500



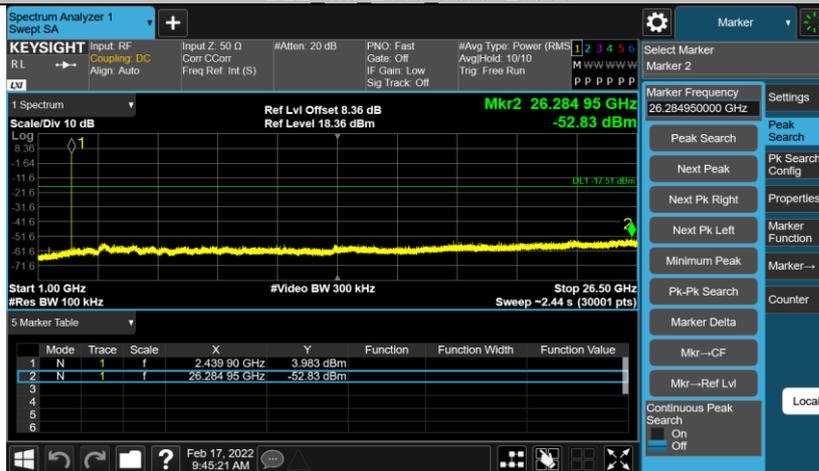
BLE 1M 2440 0~Reference



BLE 1M 2440 30~1000



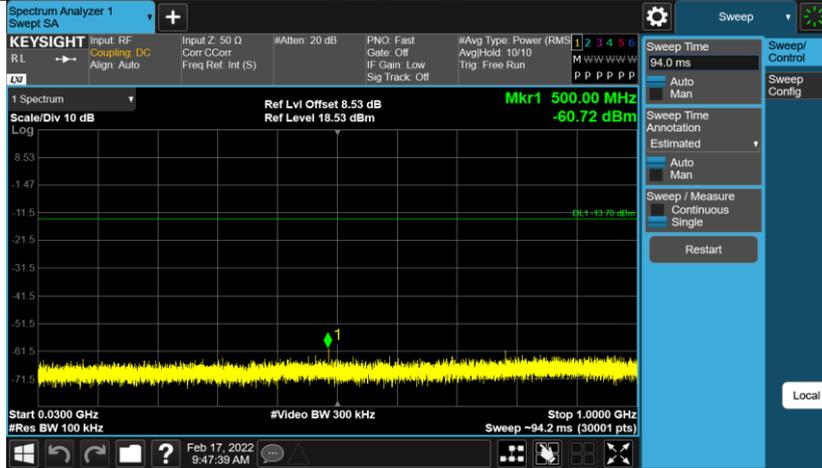
BLE 1M 2440 1000~26500



BLE 1M 2480 0~Reference



BLE 1M 2480 30~1000



BLE 2M 2402 0~Reference



BLE 2M 2402 30~1000



BLE 2M 2402 1000~26500



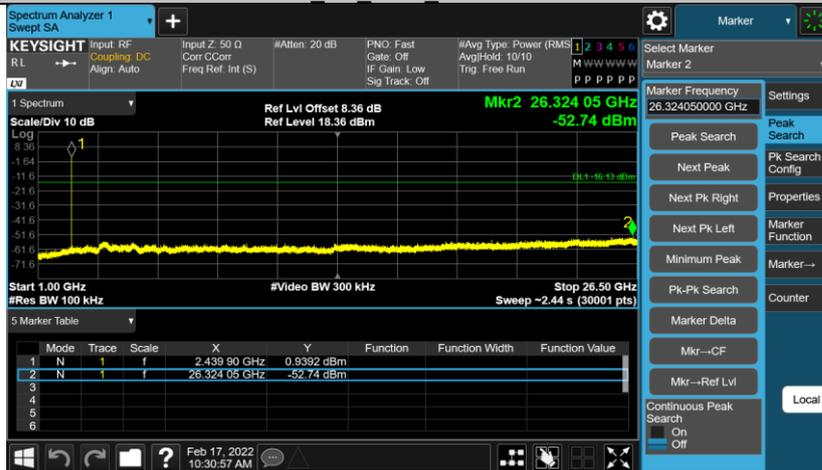
BLE 2M 2440 0~Reference



BLE 2M 2440 30~1000



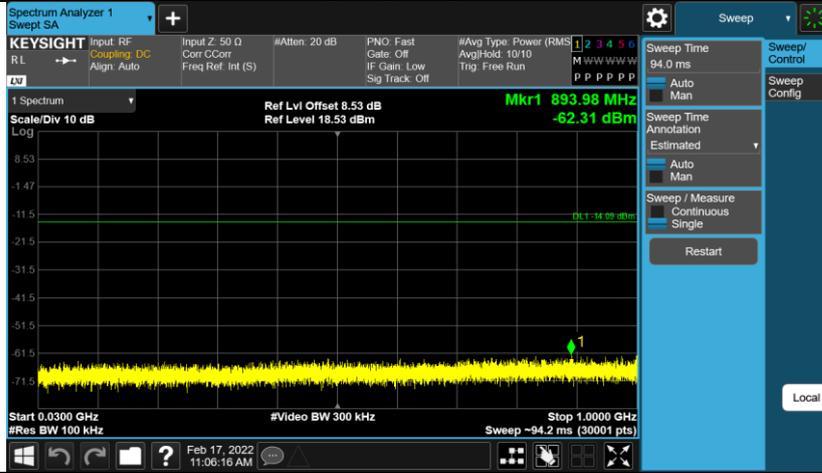
BLE 2M 2440 1000~26500



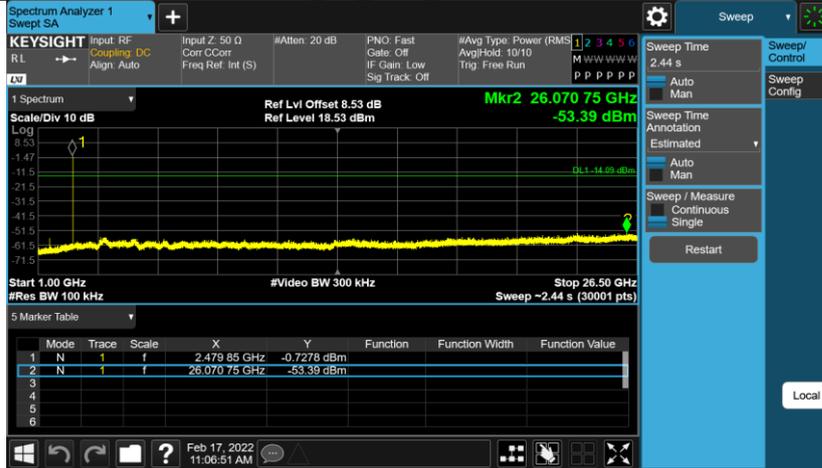
BLE 2M 2480 0~Reference



BLE 2M 2480 30~1000



BLE 2M 2480 1000~26500



Band Edge

TestMode	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Low	2402	5.08	-49.96	≤-14.92	PASS
	High	2480	6.40	-49.87	≤-13.6	PASS
BLE_2M	Low	2402	5.73	-26.23	≤-14.27	PASS
	High	2480	5.72	-49.97	≤-14.28	PASS

