

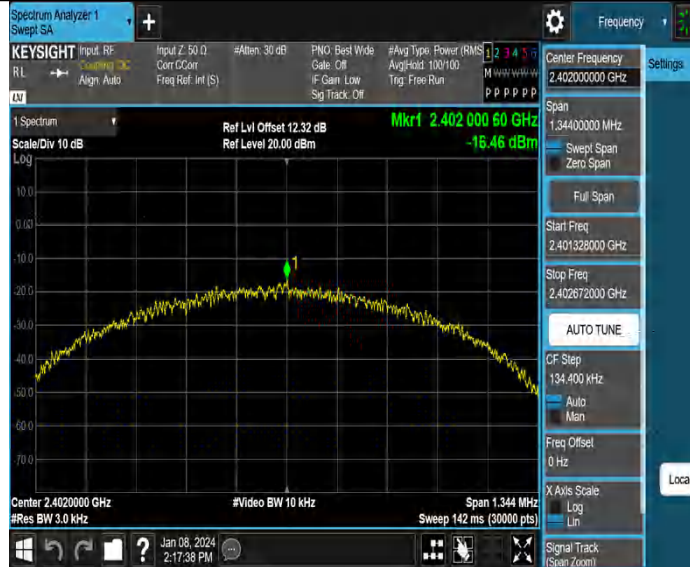
Appendix A: Test Results of Bluetooth Low Energy

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

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-16.46	≤8.00	PASS
		2440	-16.69	≤8.00	PASS
		2480	-17.05	≤8.00	PASS
BLE_2M	Ant1	2402	-17.86	≤8.00	PASS
		2440	-17.59	≤8.00	PASS
		2480	-18.76	≤8.00	PASS

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.2: Test Results of 6dB Bandwidth

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.672	2401.644	2402.316	0.5	PASS
		2440	0.668	2439.644	2440.312	0.5	PASS
		2480	0.660	2479.648	2480.308	0.5	PASS
BLE_2M	Ant1	2402	1.068	2401.452	2402.520	0.5	PASS
		2440	1.080	2439.452	2440.532	0.5	PASS
		2480	1.088	2479.448	2480.536	0.5	PASS

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Appendix A.3: Test Results of 99% Bandwidth

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0288	2401.4713	2402.5001	---	PASS
		2440	1.0368	2439.4652	2440.5020	---	PASS
		2480	1.0381	2479.4683	2480.5064	---	PASS
BLE_2M	Ant1	2402	2.0344	2400.9860	2403.0204	---	PASS
		2440	2.0458	2438.9754	2441.0212	---	PASS
		2480	2.0361	2480.9804	2481.0165	---	PASS

BLE 1M Ant1 2402



BLE 1M Ant1 2440



BLE 1M Ant1 2480



BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



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

Band Edge

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-2.488	-49.76	≤-22.49	PASS
		High	2480	-2.599	-49.63	≤-22.6	PASS
BLE_2M	Ant1	Low	2402	-0.8799	-48.46	≤-20.88	PASS
		High	2480	-2.029	-50.22	≤-22.03	PASS

BLE 1M Ant1 Low 2402



BLE 1M Ant1 High 2480



BLE 2M Ant1 Low 2402



BLE 2M Ant1 High 2480



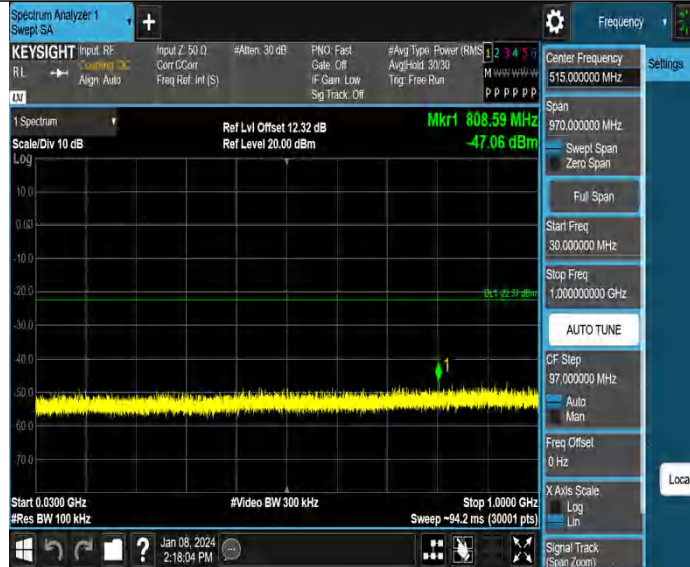
Conducted Spurious Emission

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	-2.37	-2.37	---	PASS
			30~1000	-2.37	-47.06	≤-22.37	PASS
			1000~26500	-2.37	-38.55	≤-22.37	PASS
		2440	Reference	-1.03	-1.03	---	PASS
			30~1000	-1.03	-47.65	≤-21.03	PASS
			1000~26500	-1.03	-38.12	≤-21.03	PASS
		2480	Reference	-2.29	-2.29	---	PASS
			30~1000	-2.29	-47.18	≤-22.29	PASS
			1000~26500	-2.29	-38.21	≤-22.29	PASS
BLE_2M	Ant1	2402	Reference	-0.77	-0.77	---	PASS
			30~1000	-0.77	-47.44	≤-20.77	PASS
			1000~26500	-0.77	-38.35	≤-20.77	PASS
		2440	Reference	-0.69	-0.69	---	PASS
			30~1000	-0.69	-47.4	≤-20.69	PASS
			1000~26500	-0.69	-38.09	≤-20.69	PASS
		2480	Reference	-2.75	-2.75	---	PASS
			30~1000	-2.75	-47.6	≤-22.75	PASS
			1000~26500	-2.75	-38.45	≤-22.75	PASS

BLE 1M Ant1 2402 0~Reference



BLE 1M Ant1 2402 30~1000



BLE 1M Ant1 2402 1000~26500



BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



BLE_1M_Ant1_2480_30~1000



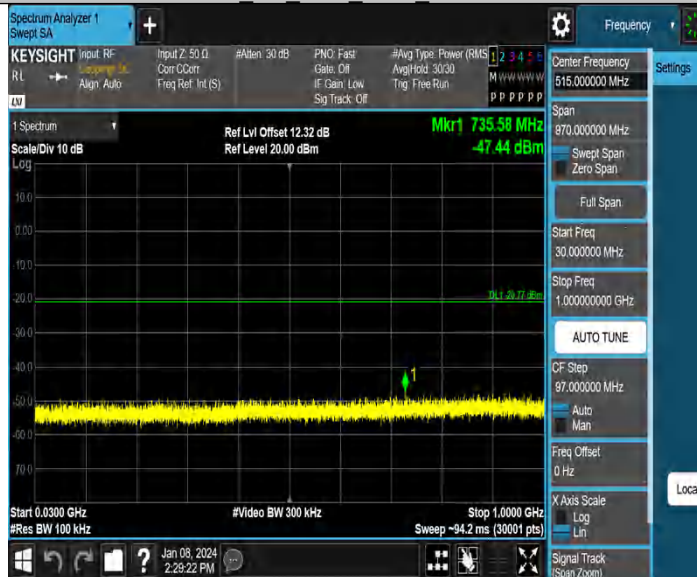
BLE_1M_Ant1_2480_1000~26500



BLE 2M Ant1 2402 0~Reference



BLE 2M Ant1 2402 30~1000



BLE 2M Ant1 2402 1000~26500



BLE 2M Ant1 2440 0~Reference



BLE 2M Ant1 2440 30~1000



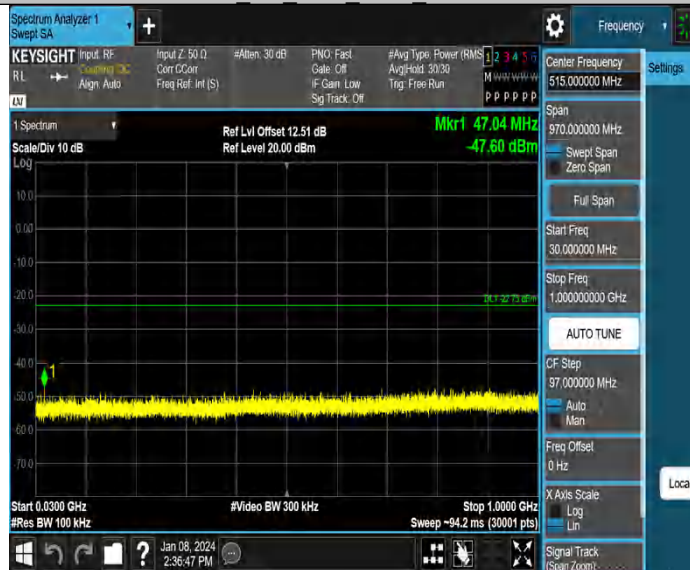
BLE 2M Ant1 2440 1000~26500



BLE 2M Ant1 2480 0~Reference



BLE 2M Ant1 2480 30~1000



BLE 2M Ant1 2480 1000~26500



Appendix A.5: Test Results of Radiated Spurious Emissions

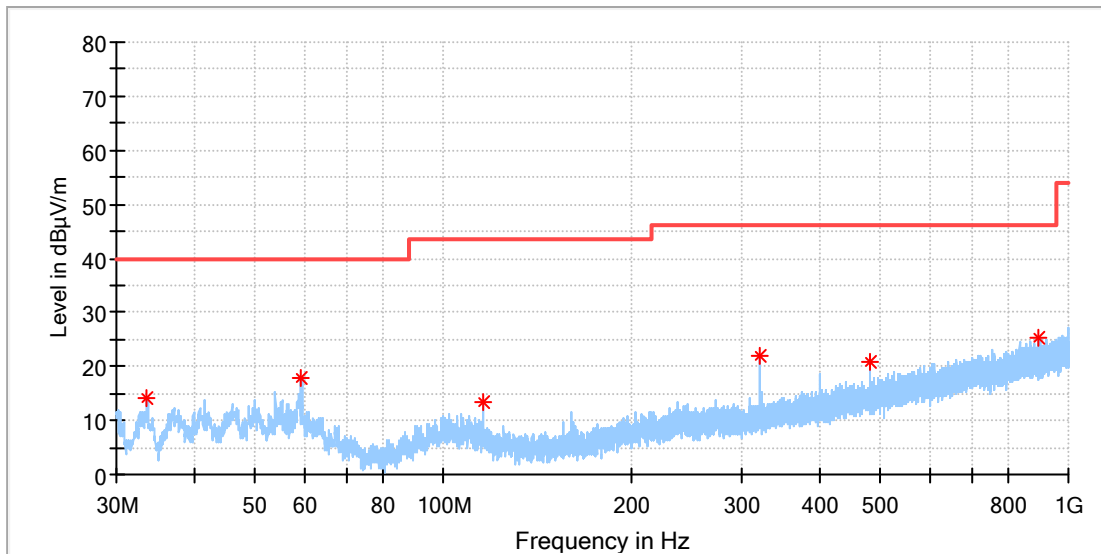
Note:

- 1) This testing was carried out on different modulations, but only the worst case was presented in this report.
- 2) Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30 MHz - 1GHz

EUT Information

EUT Name:	DJI Matrice 3TD
Model:	M3TD
Test Mode:	BLE 1M_Mid channel
Order No/Sample No:	168435965/A003601954-027
Test Voltage:	Battery
Remark:	Temp 22 Humi:52%
Test Standard:	FCC 15.247
Tested By:	Kei Zhang
Reviewed By:	Terry Yin



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
33.618846	14.03	40.00	25.97	100.0	H	282.0	-22.7
59.174615	17.92	40.00	22.08	100.0	H	273.0	-19.2
115.621154	13.27	43.50	30.23	100.0	H	291.0	-20.2
320.030000	21.79	46.00	24.21	100.0	H	291.0	-16.1
480.005385	20.77	46.00	25.23	100.0	H	291.0	-12.6
896.172692	25.34	46.00	20.66	100.0	H	0.0	-5.4

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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