

FCC Appendix RF Test Data for BT

FCC ID : 2BHL2-S100

Company : SHAREUAV Ltd

EUT : Multi-functional Handheld High-Precision LiDAR
Scanner

Model Number : SHARE SLAM S100-32 PRO

Report No. : CTA25103100601

Reviewed By : Eric Wang

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	20dB EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.960	2401.547	2402.507	---	---
		2441	0.957	2440.544	2441.501	---	---
		2480	0.957	2479.547	2480.504	---	---
2DH5	Ant1	2402	1.314	2401.352	2402.666	---	---
		2441	1.320	2440.346	2441.666	---	---
		2480	1.314	2479.352	2480.666	---	---
3DH5	Ant1	2402	1.275	2401.379	2402.654	---	---
		2441	1.281	2440.382	2441.663	---	---
		2480	1.320	2479.349	2480.669	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



3DH5_Ant1_2402



3DH5_Ant1_2441

Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.87520	2401.5710	2402.4462	---	---
		2441	0.87318	2440.5709	2441.4440	---	---
		2480	0.86726	2479.5753	2480.4425	---	---
2DH5	Ant1	2402	1.1942	2401.4139	2402.6081	---	---
		2441	1.1918	2440.4154	2441.6072	---	---
		2480	1.1955	2479.4135	2480.6090	---	---
3DH5	Ant1	2402	1.1930	2401.4150	2402.6080	---	---
		2441	1.1861	2440.4166	2441.6027	---	---
		2480	1.1896	2479.4174	2480.6070	---	---

Test Graphs

DH5_Ant1_2402



DH5_Ant1_2441



DH5_Ant1_2480



2DH5_Ant1_2402



2DH5_Ant1_2441



2DH5_Ant1_2480



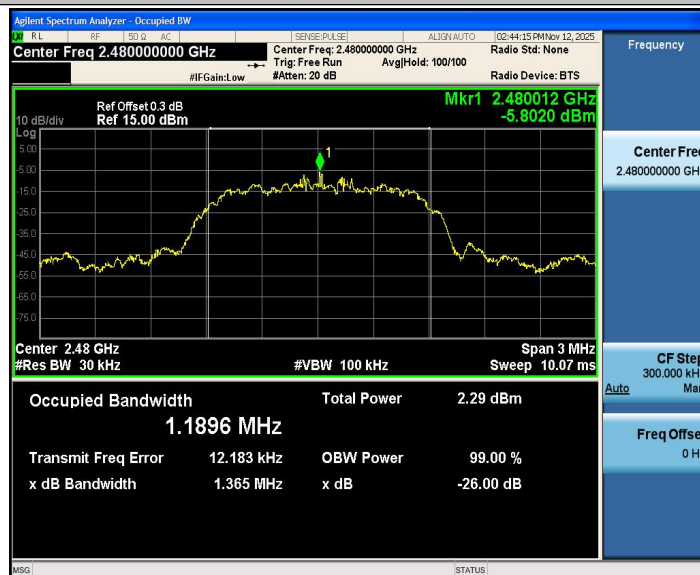
3DH5_Ant1_2402



3DH5_Ant1_2441



3DH5_Ant1_2480



Appendix C: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	-0.27	≤ 20.97	PASS
		2441	-0.33	≤ 20.97	PASS
		2480	-0.28	≤ 20.97	PASS
2DH5	Ant1	2402	-1.05	≤ 20.97	PASS
		2441	-1.12	≤ 20.97	PASS
		2480	-1.10	≤ 20.97	PASS
3DH5	Ant1	2402	-1.08	≤ 20.97	PASS
		2441	-1.09	≤ 20.97	PASS
		2480	-1.12	≤ 20.97	PASS

Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Freq(MHz)	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.012	≥ 0.960	PASS
2DH5	Ant1	Hop	1.004	≥ 0.880	PASS
3DH5	Ant1	Hop	1.14	≥ 0.880	PASS

Test Graphs

DH5_Ant1_Hop



2DH5_Ant1_Hop



3DH5_Ant1_Hop



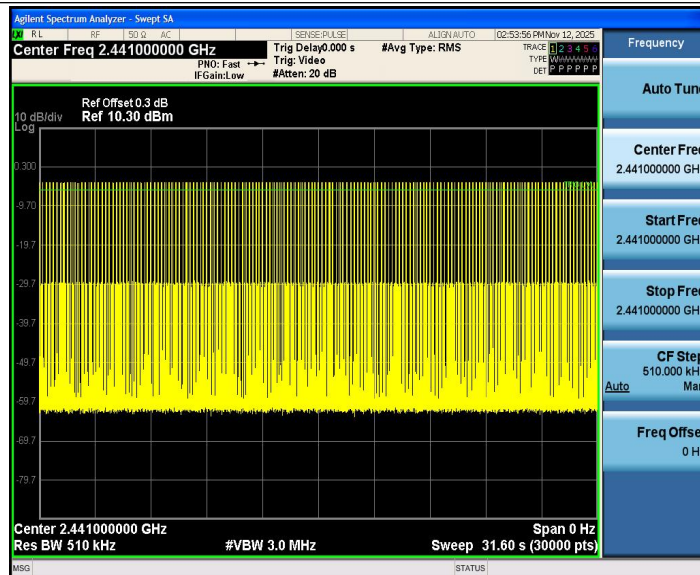
Appendix E: Time of occupancy

Test Result

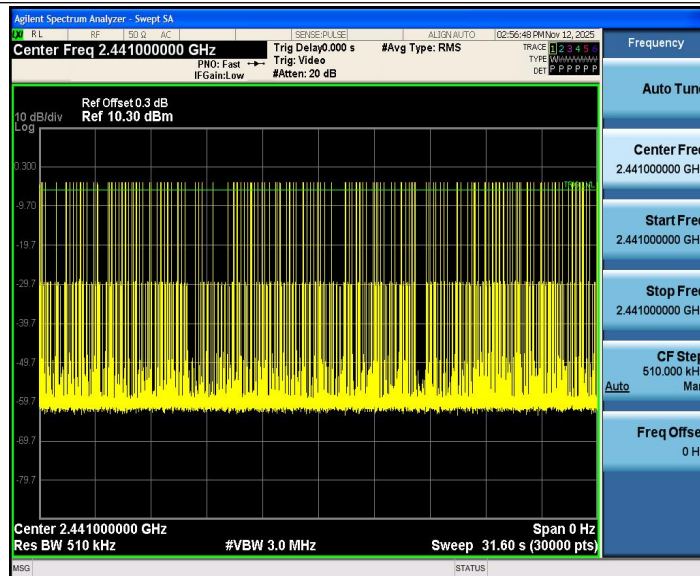
TestMode	Antenna	Freq(MHz)	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
DH3	Ant1	Hop	1.650	165	0.272	≤0.4	PASS
DH5	Ant1	Hop	2.890	114	0.329	≤0.4	PASS
2DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.640	160	0.262	≤0.4	PASS
2DH5	Ant1	Hop	2.900	109	0.316	≤0.4	PASS
3DH1	Ant1	Hop	0.390	319	0.124	≤0.4	PASS
3DH3	Ant1	Hop	1.640	155	0.254	≤0.4	PASS
3DH5	Ant1	Hop	2.900	109	0.316	≤0.4	PASS

Test Graphs

DH1_Ant1_Hop

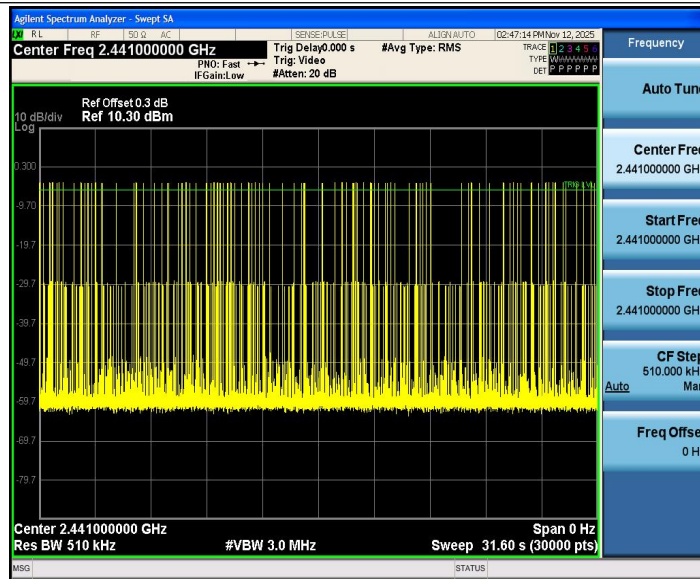


DH3_Ant1_Hop

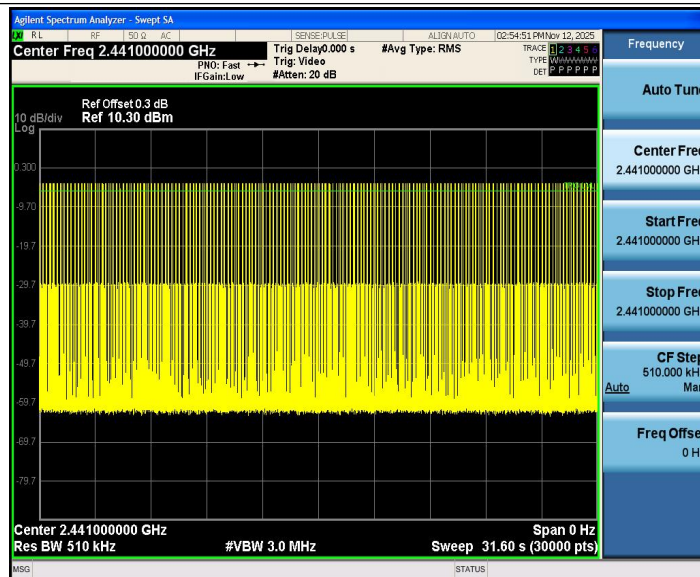
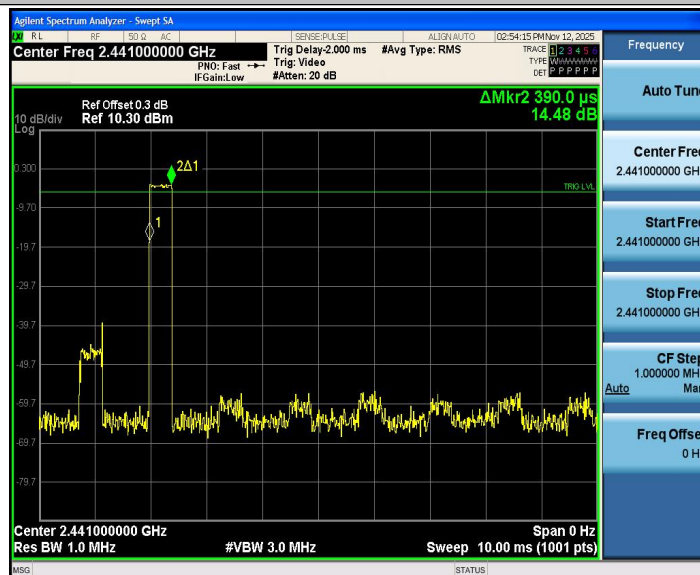


DH5_Ant1_Hop

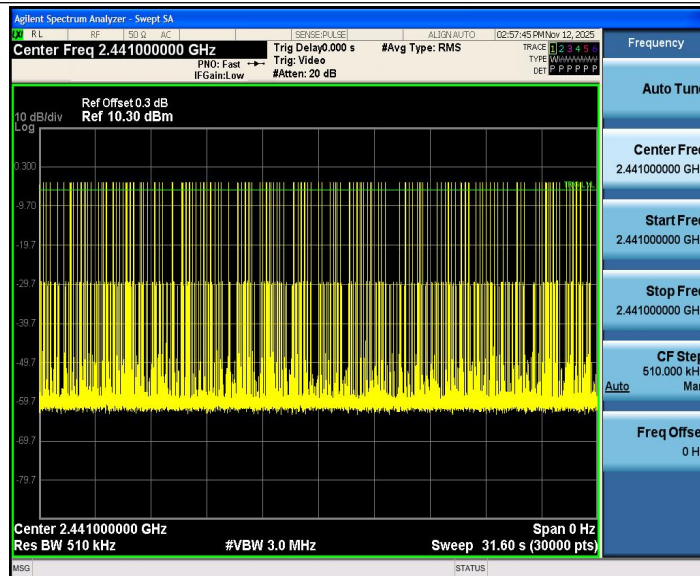




2DH1_Ant1_Hop



2DH3_Ant1_Hop



2DH5_Ant1_Hop

