

Appendix: Bluetooth Classic

Contents

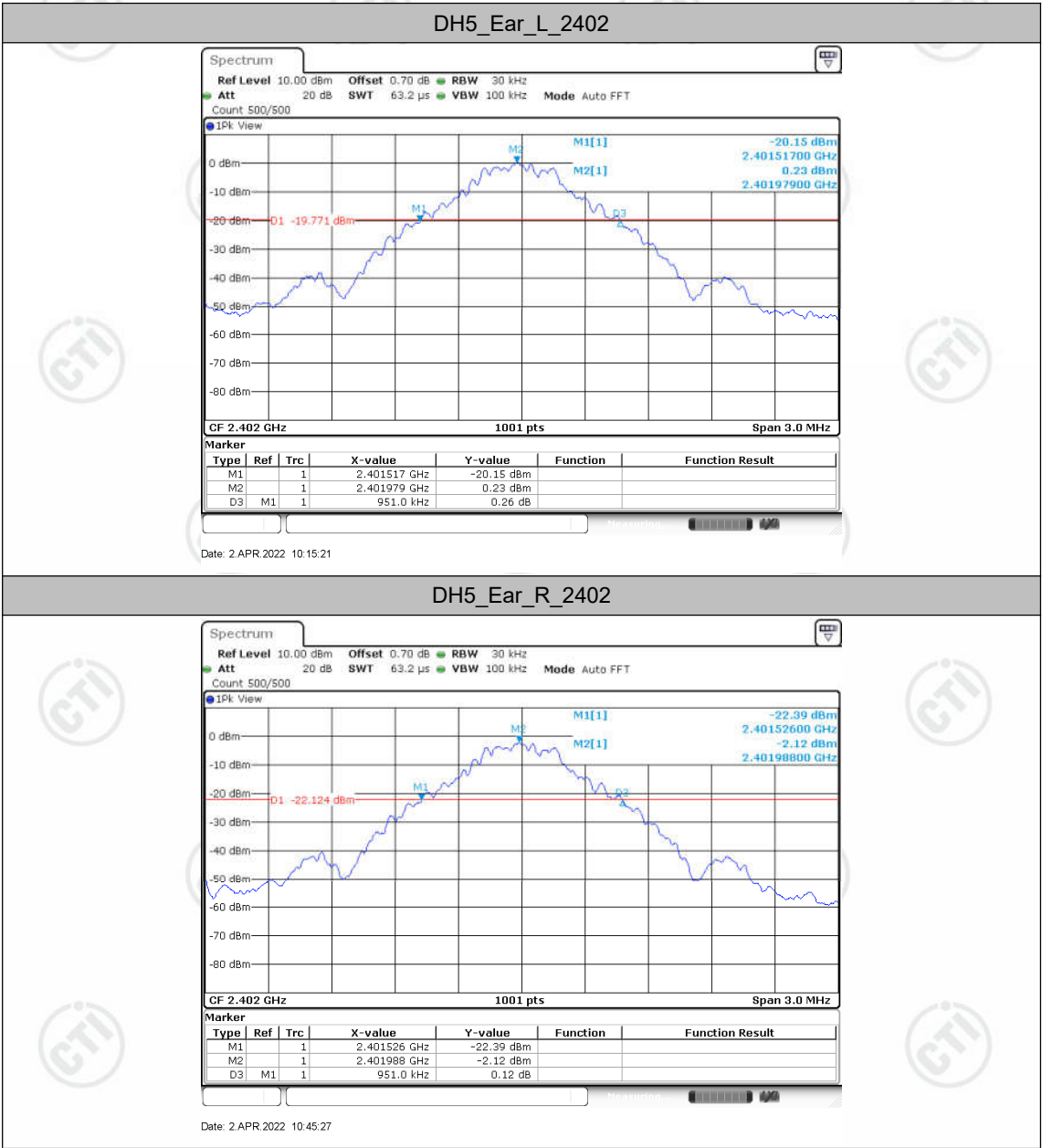
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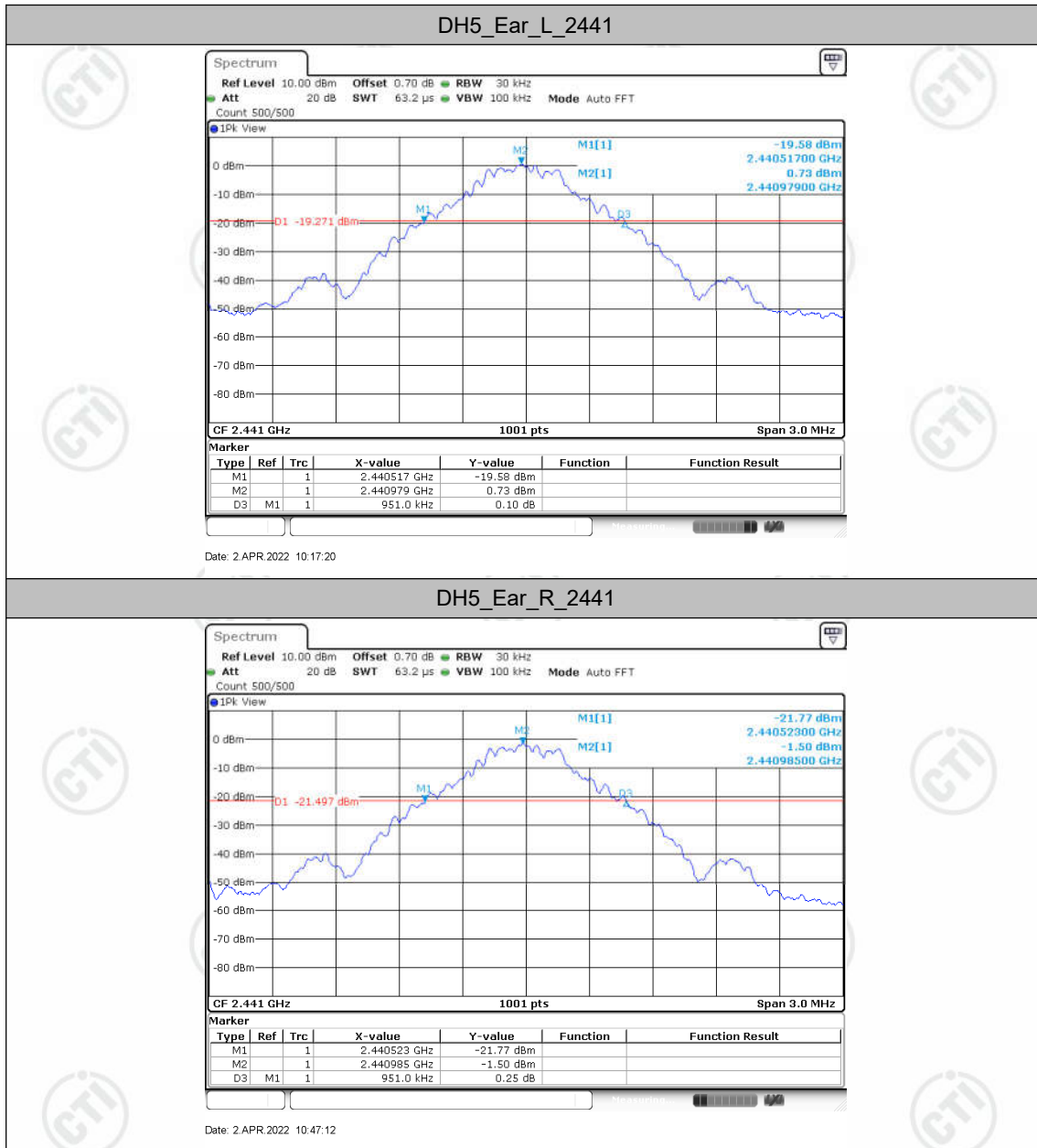
Appendix A: 20dB Emission Bandwidth

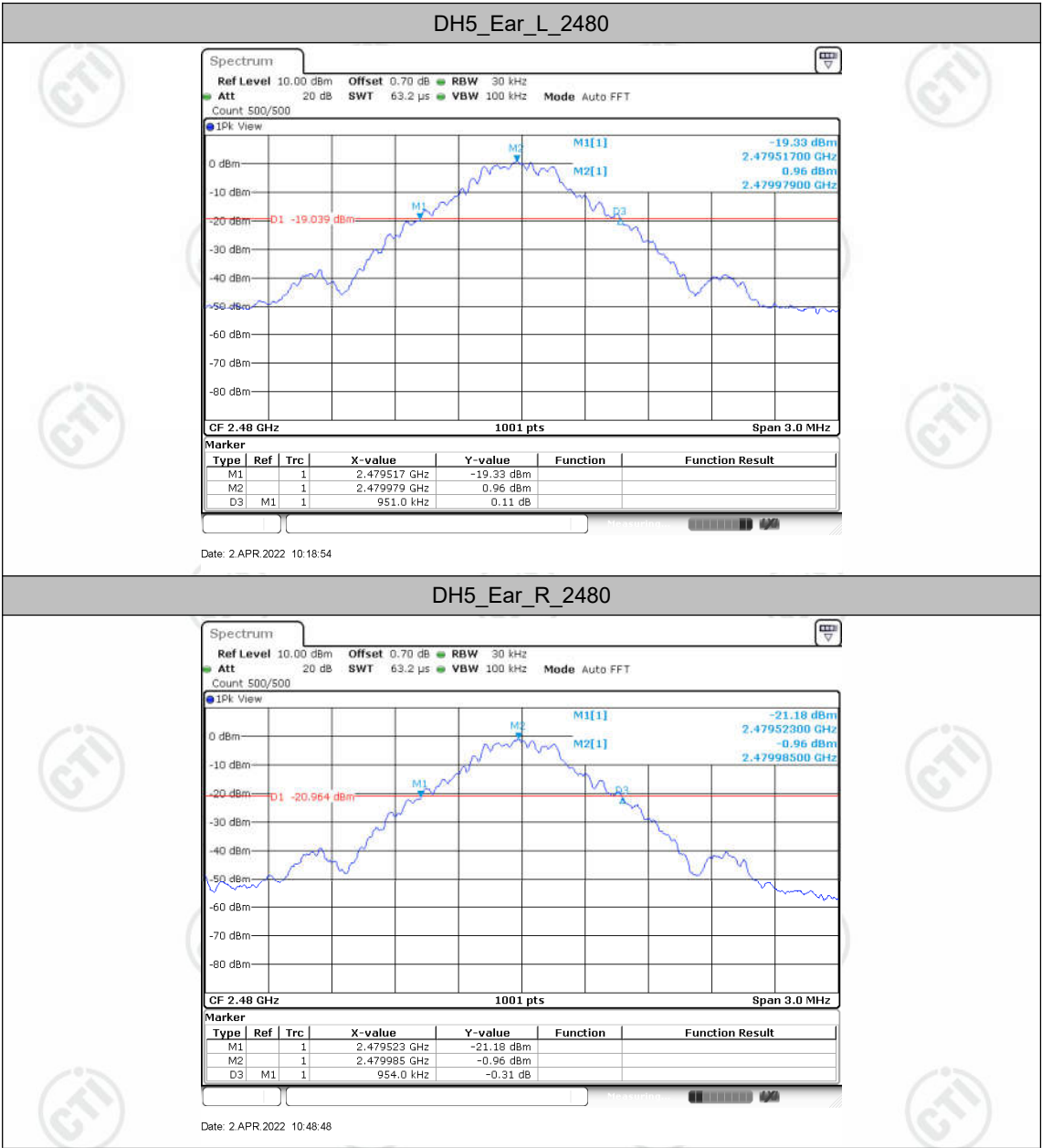
Test Result

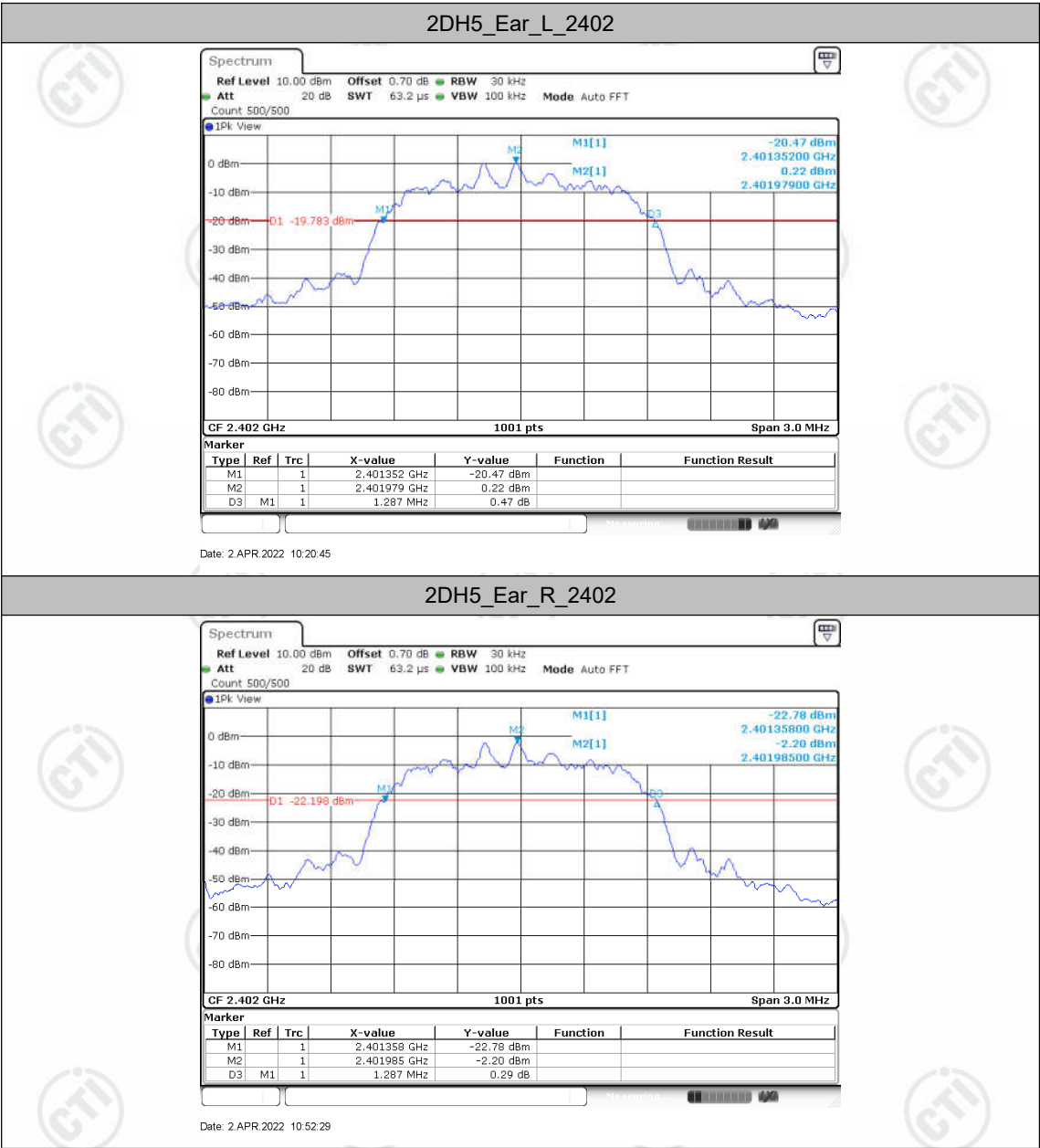
Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ear_L	2402	0.951	2401.517	2402.468	---	PASS
	Ear_R	2402	0.951	2401.526	2402.477	---	PASS
	Ear_L	2441	0.951	2440.517	2441.468	---	PASS
	Ear_R	2441	0.951	2440.523	2441.474	---	PASS
	Ear_L	2480	0.951	2479.517	2480.468	---	PASS
	Ear_R	2480	0.954	2479.523	2480.477	---	PASS
2DH5	Ear_L	2402	1.287	2401.352	2402.639	---	PASS
	Ear_R	2402	1.287	2401.358	2402.645	---	PASS
	Ear_L	2441	1.287	2440.352	2441.639	---	PASS
	Ear_R	2441	1.287	2440.358	2441.645	---	PASS
	Ear_L	2480	1.287	2479.352	2480.639	---	PASS
	Ear_R	2480	1.287	2479.358	2480.645	---	PASS

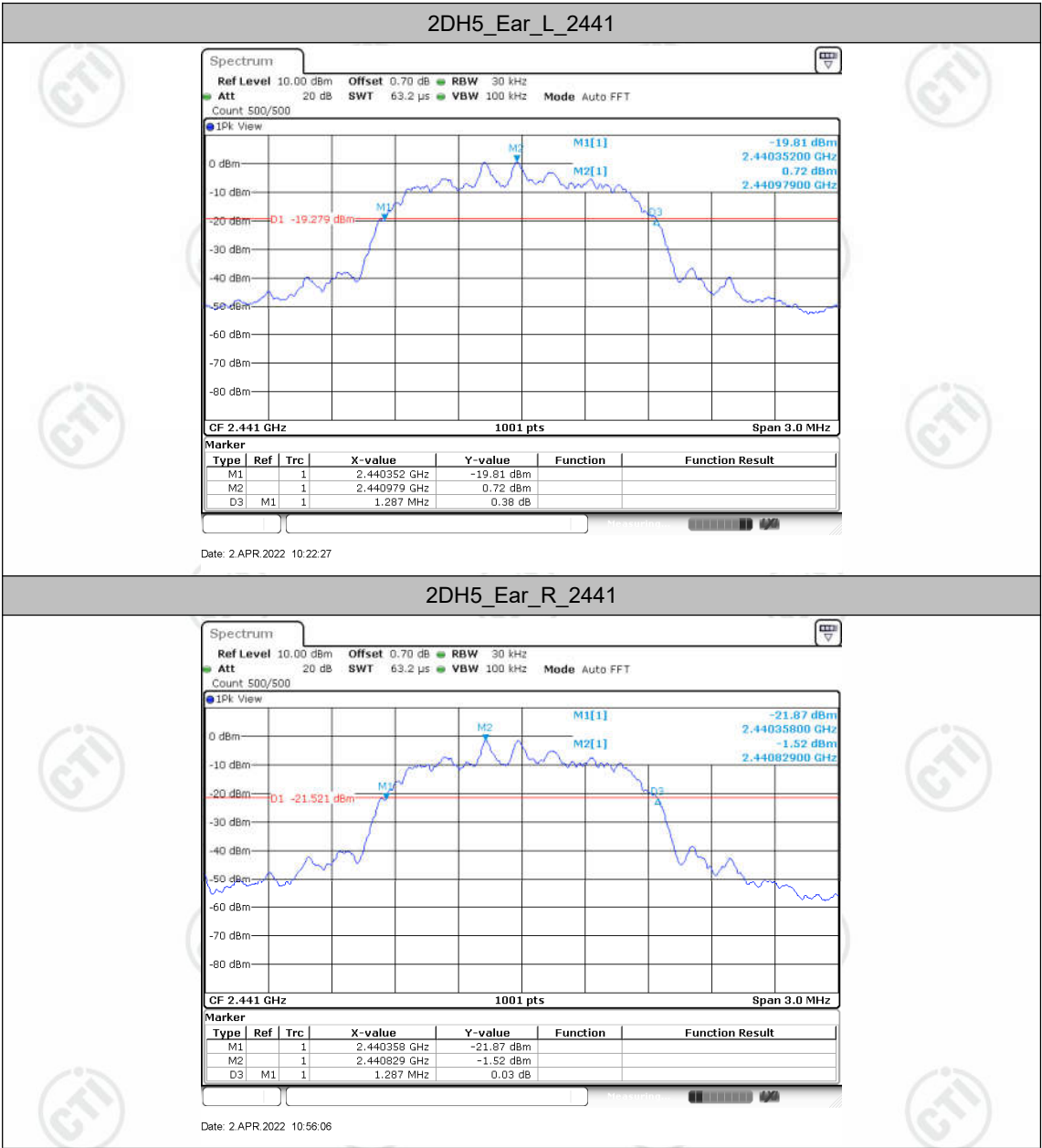
Test Graphs

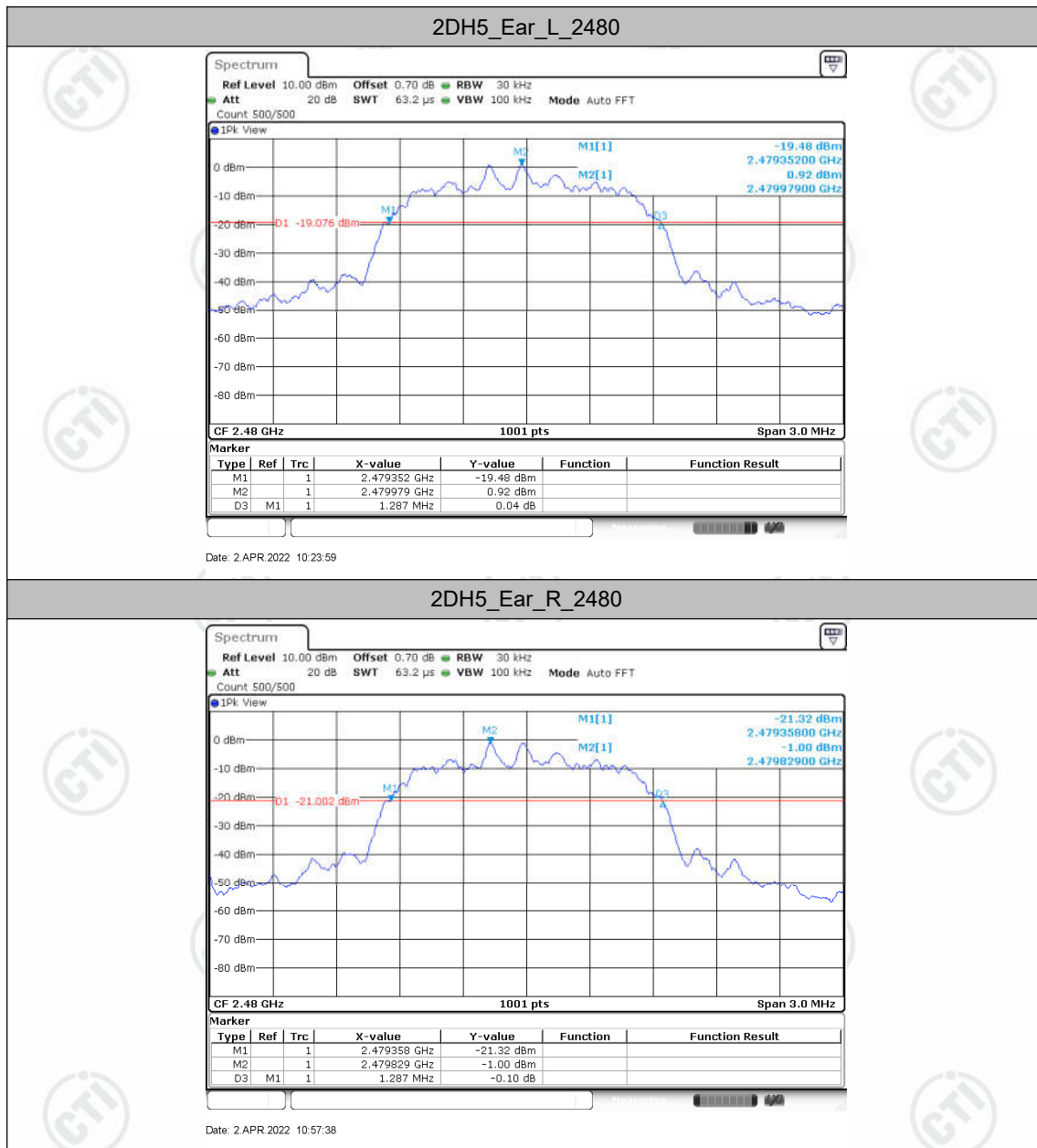










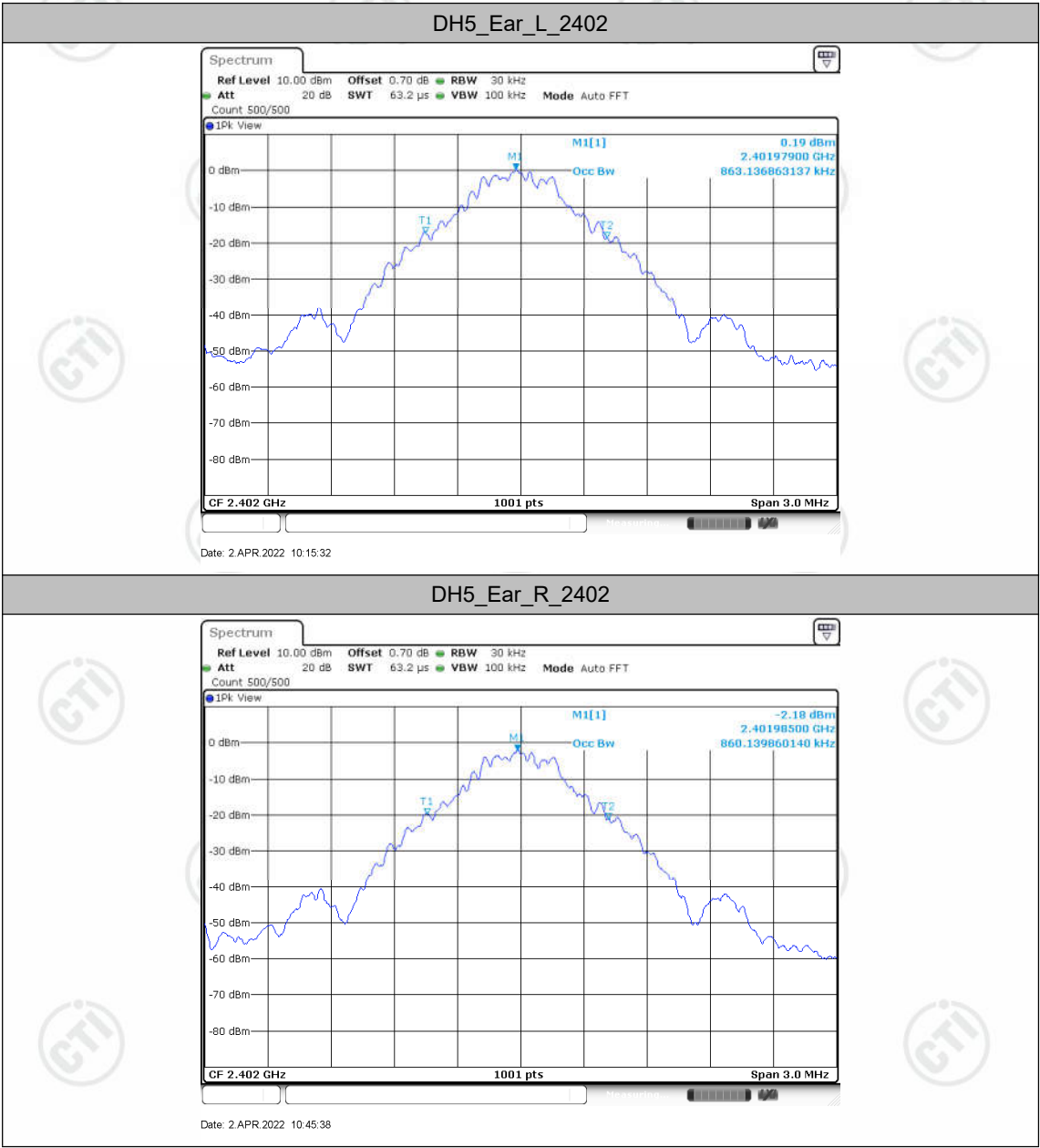


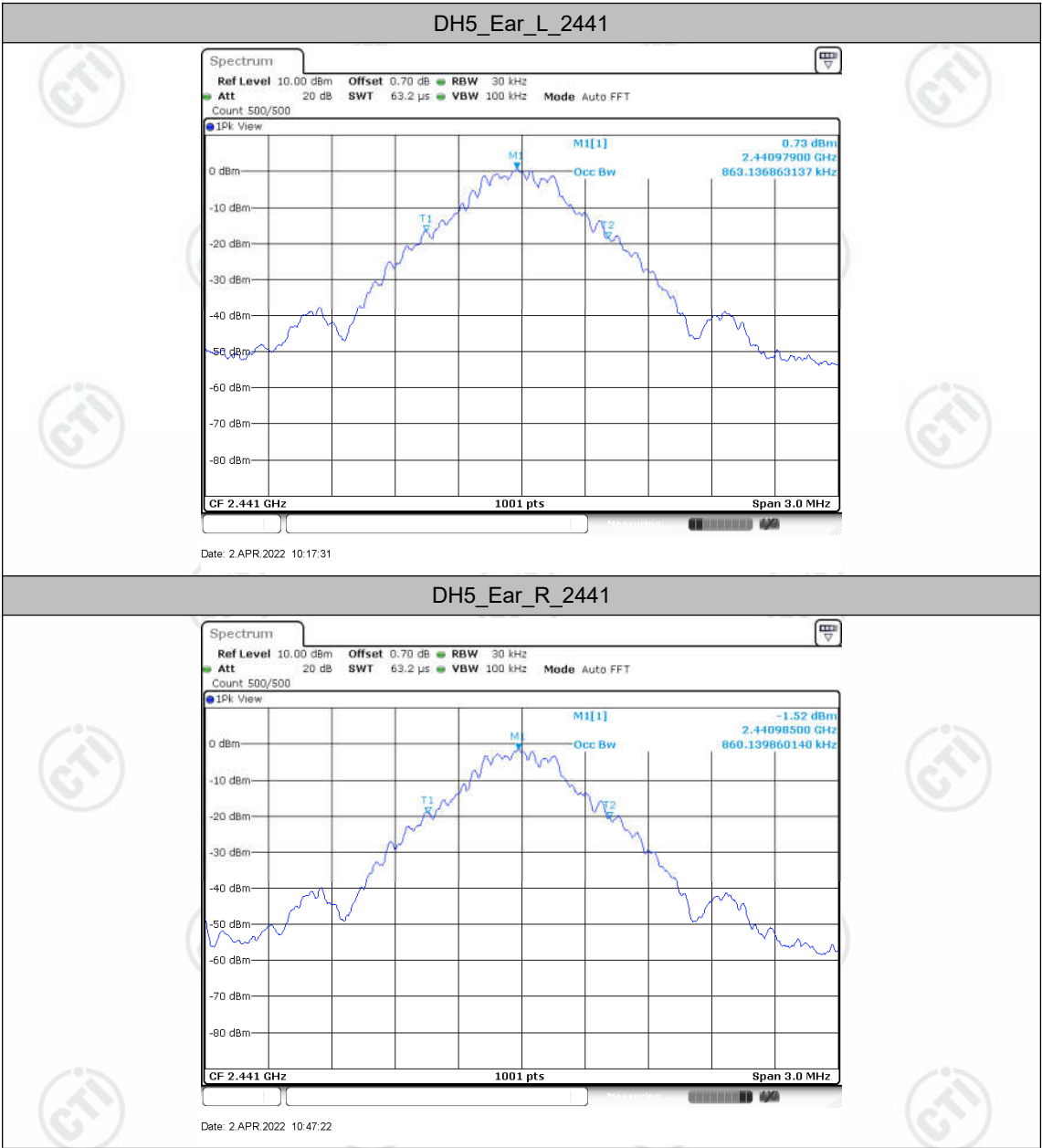
Appendix B: Occupied Channel Bandwidth

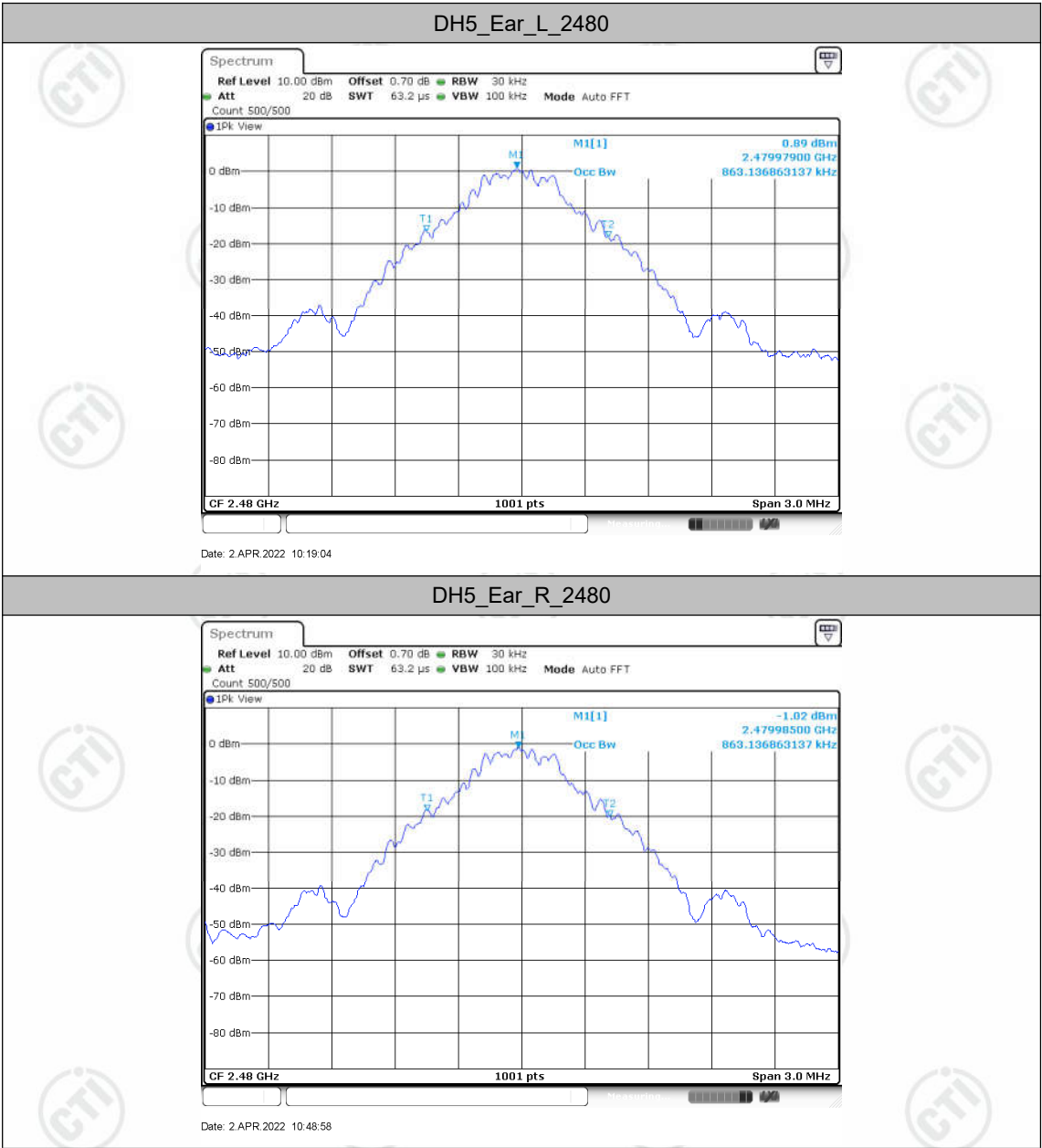
Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ear_L	2402	0.863	2401.547	2402.411	---	PASS
	Ear_R	2402	0.86	2401.556	2402.417	---	PASS
	Ear_L	2441	0.863	2440.547	2441.411	---	PASS
	Ear_R	2441	0.86	2440.556	2441.417	---	PASS
	Ear_L	2480	0.863	2479.547	2480.411	---	PASS
	Ear_R	2480	0.863	2479.553	2480.417	---	PASS
2DH5	Ear_L	2402	1.172	2401.395	2402.566	---	PASS
	Ear_R	2402	1.172	2401.401	2402.572	---	PASS
	Ear_L	2441	1.172	2440.395	2441.566	---	PASS
	Ear_R	2441	1.172	2440.401	2441.572	---	PASS
	Ear_L	2480	1.172	2479.395	2480.566	---	PASS
	Ear_R	2480	1.172	2479.401	2480.572	---	PASS

Test Graphs













Appendix C: Maximum conducted output power

Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ear_L	2402	2.57	<=20.97	PASS
	Ear_R	2402	0.34	<=20.97	PASS
	Ear_L	2441	3.07	<=20.97	PASS
	Ear_R	2441	1.01	<=20.97	PASS
	Ear_L	2480	3.26	<=20.97	PASS
	Ear_R	2480	1.52	<=20.97	PASS
2DH5	Ear_L	2402	3.51	<=20.97	PASS
	Ear_R	2402	1.24	<=20.97	PASS
	Ear_L	2441	4	<=20.97	PASS
	Ear_R	2441	1.93	<=20.97	PASS
	Ear_L	2480	4.17	<=20.97	PASS
	Ear_R	2480	2.44	<=20.97	PASS

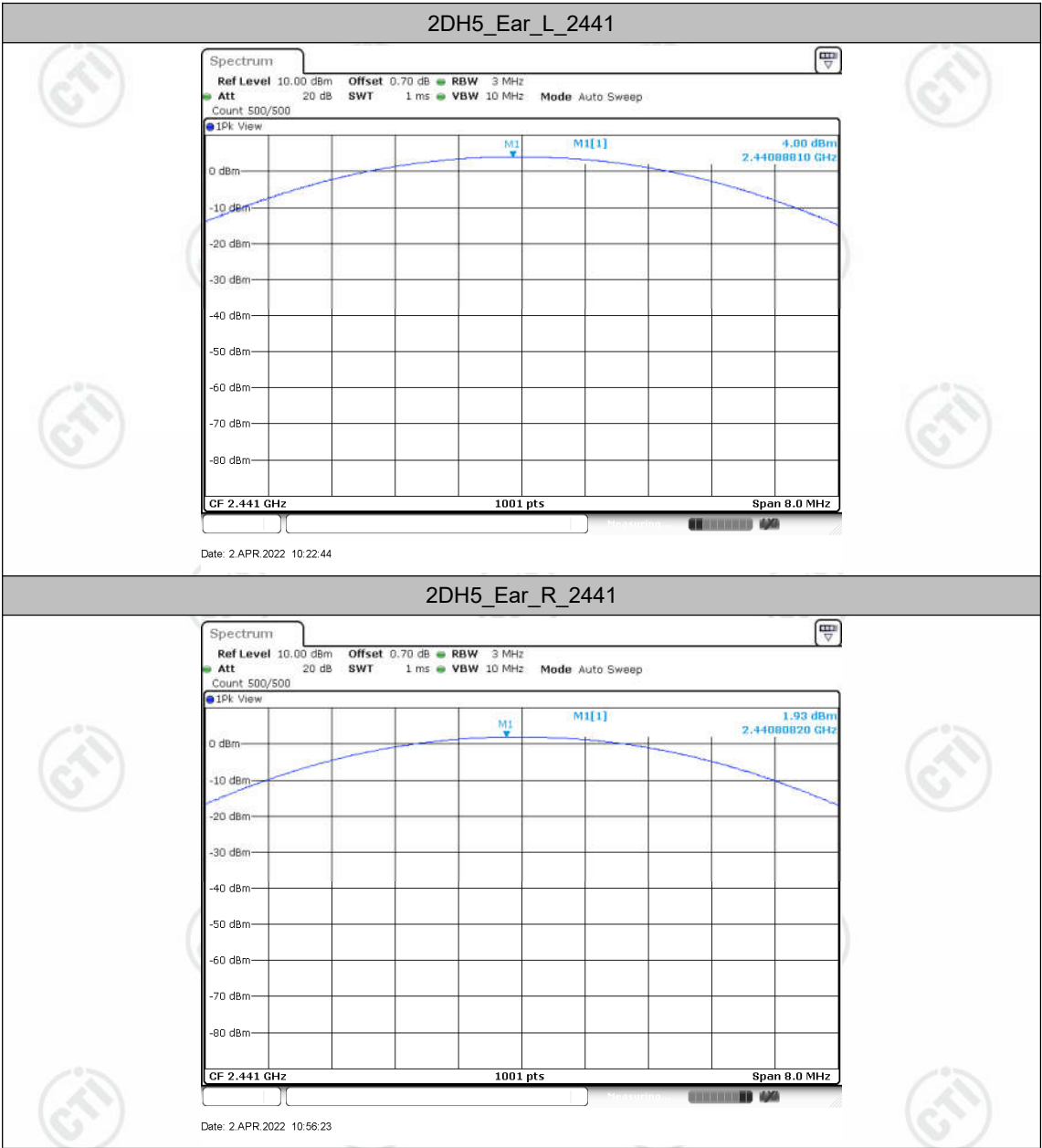
Test Graphs

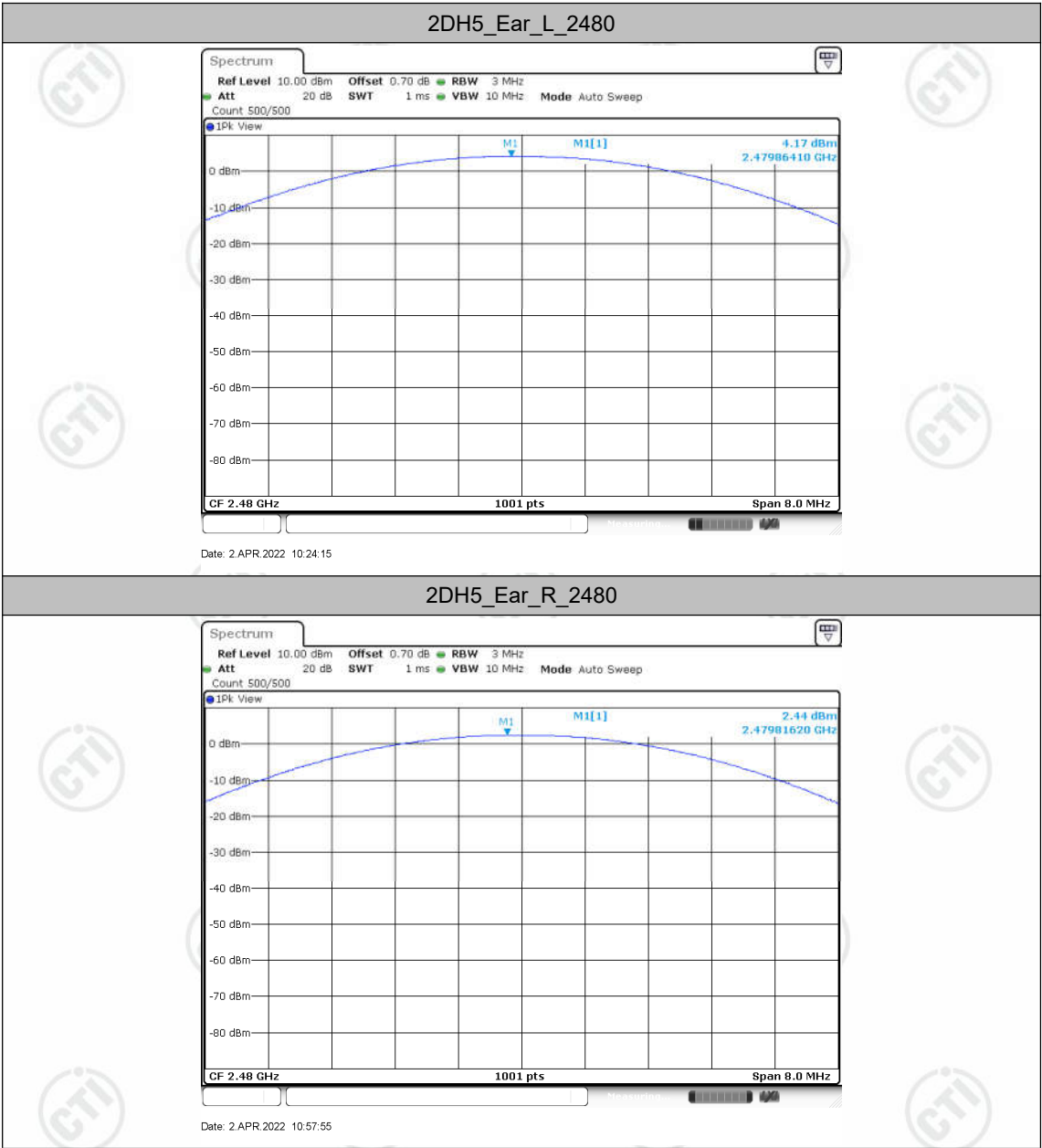












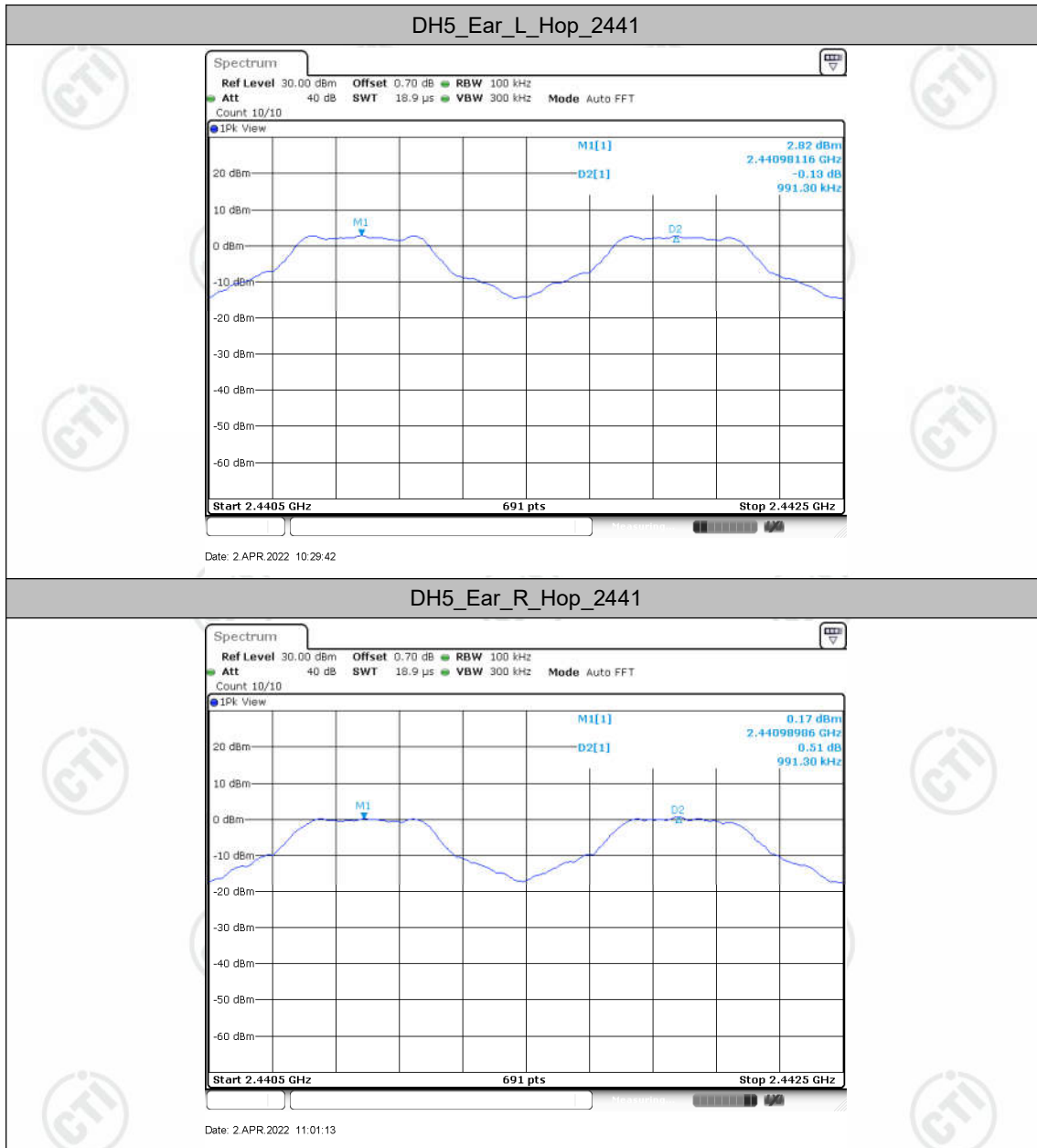
Appendix D: Carrier frequency separation

Test Result

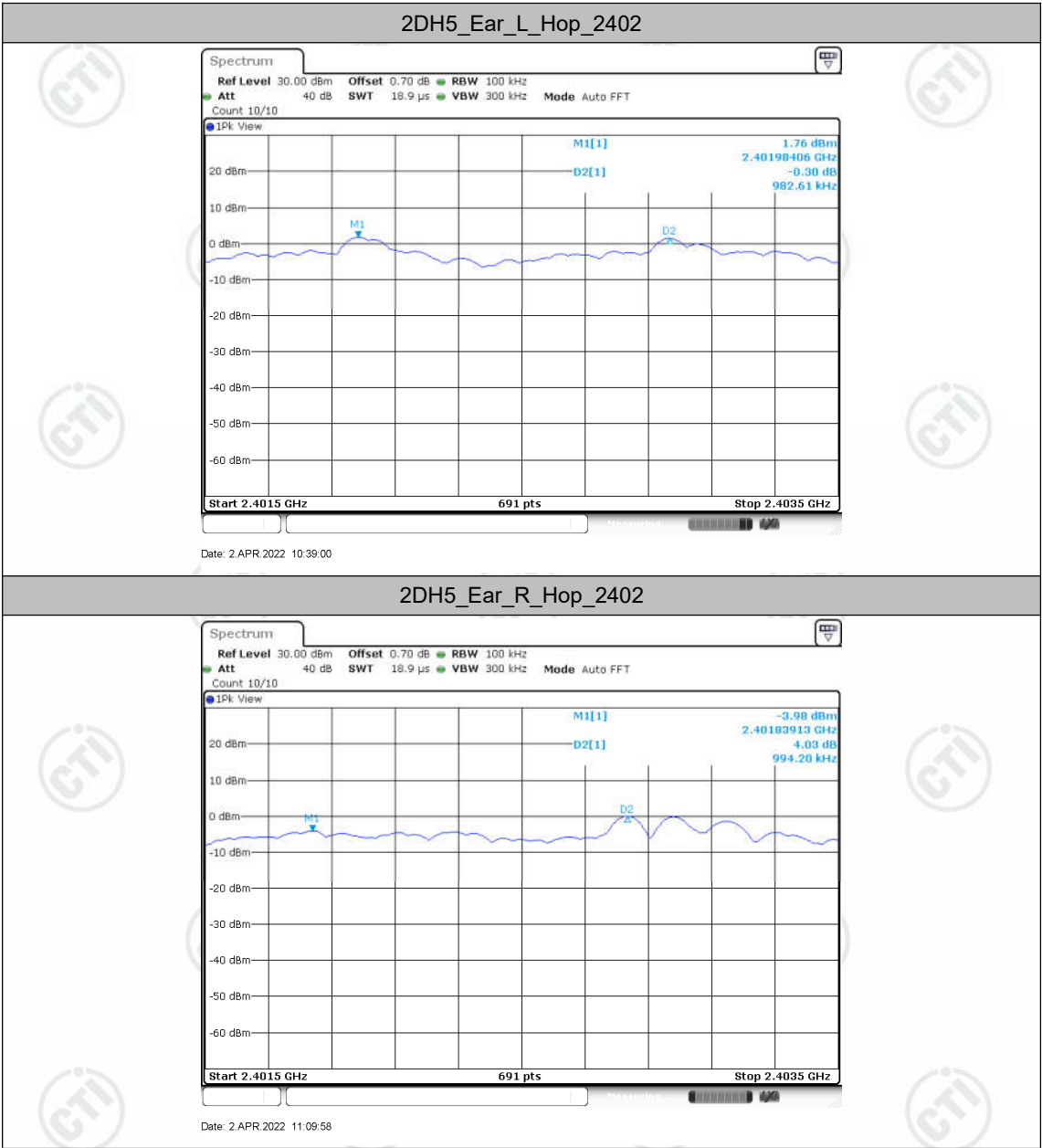
Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ear_L	Hop_2402	1.003	≥ 0.951	PASS
	Ear_R	Hop_2402	1.012	≥ 0.951	PASS
	Ear_L	Hop_2441	0.991	≥ 0.951	PASS
	Ear_R	Hop_2441	0.991	≥ 0.951	PASS
	Ear_L	Hop_2480	0.991	≥ 0.951	PASS
	Ear_R	Hop_2480	1.052	≥ 0.951	PASS
2DH5	Ear_L	Hop_2402	0.983	≥ 0.858	PASS
	Ear_R	Hop_2402	0.994	≥ 0.858	PASS
	Ear_L	Hop_2441	1.064	≥ 0.858	PASS
	Ear_R	Hop_2441	1.038	≥ 0.858	PASS
	Ear_L	Hop_2480	1.162	≥ 0.858	PASS
	Ear_R	Hop_2480	1.133	≥ 0.858	PASS

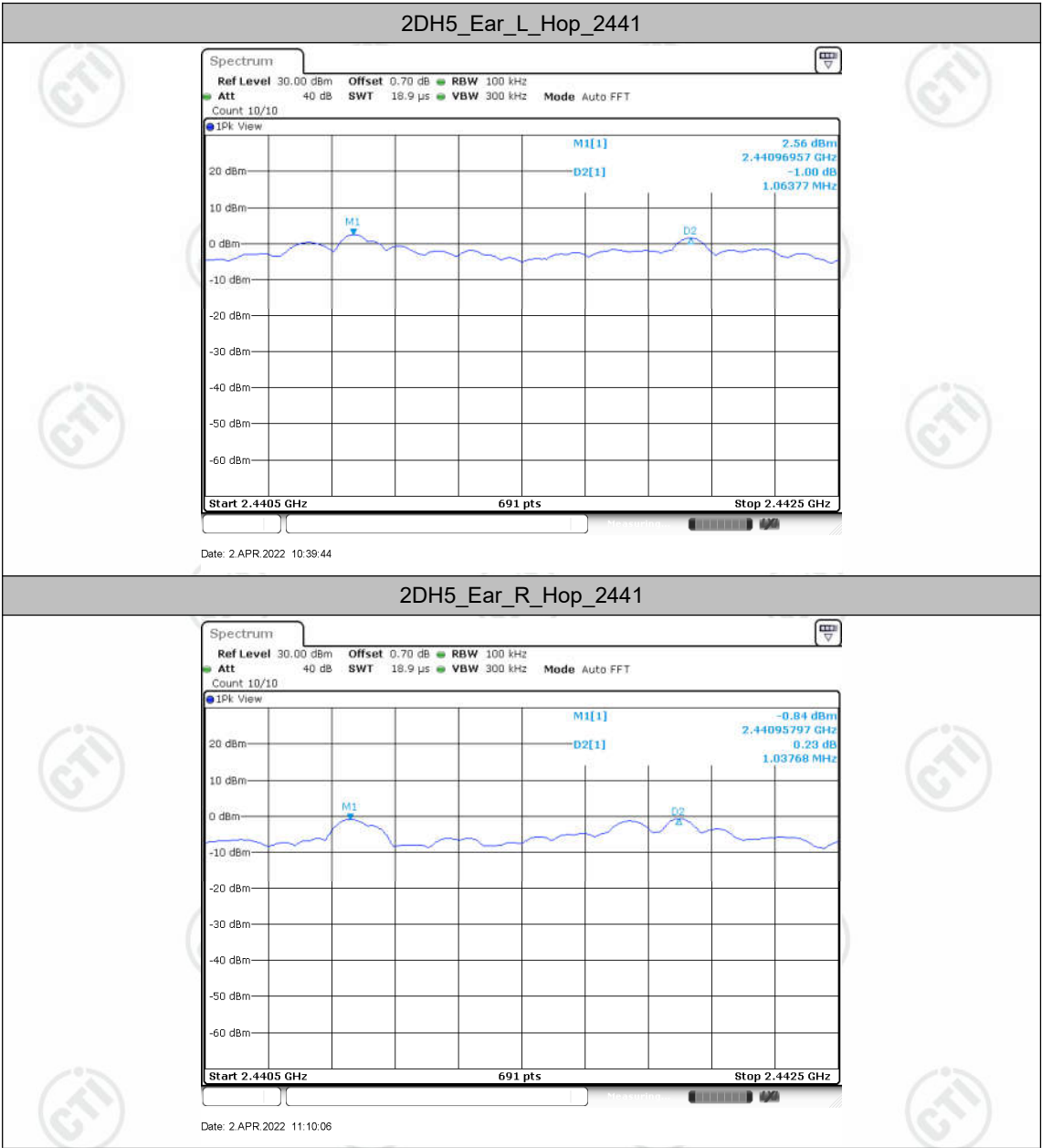
Test Graphs

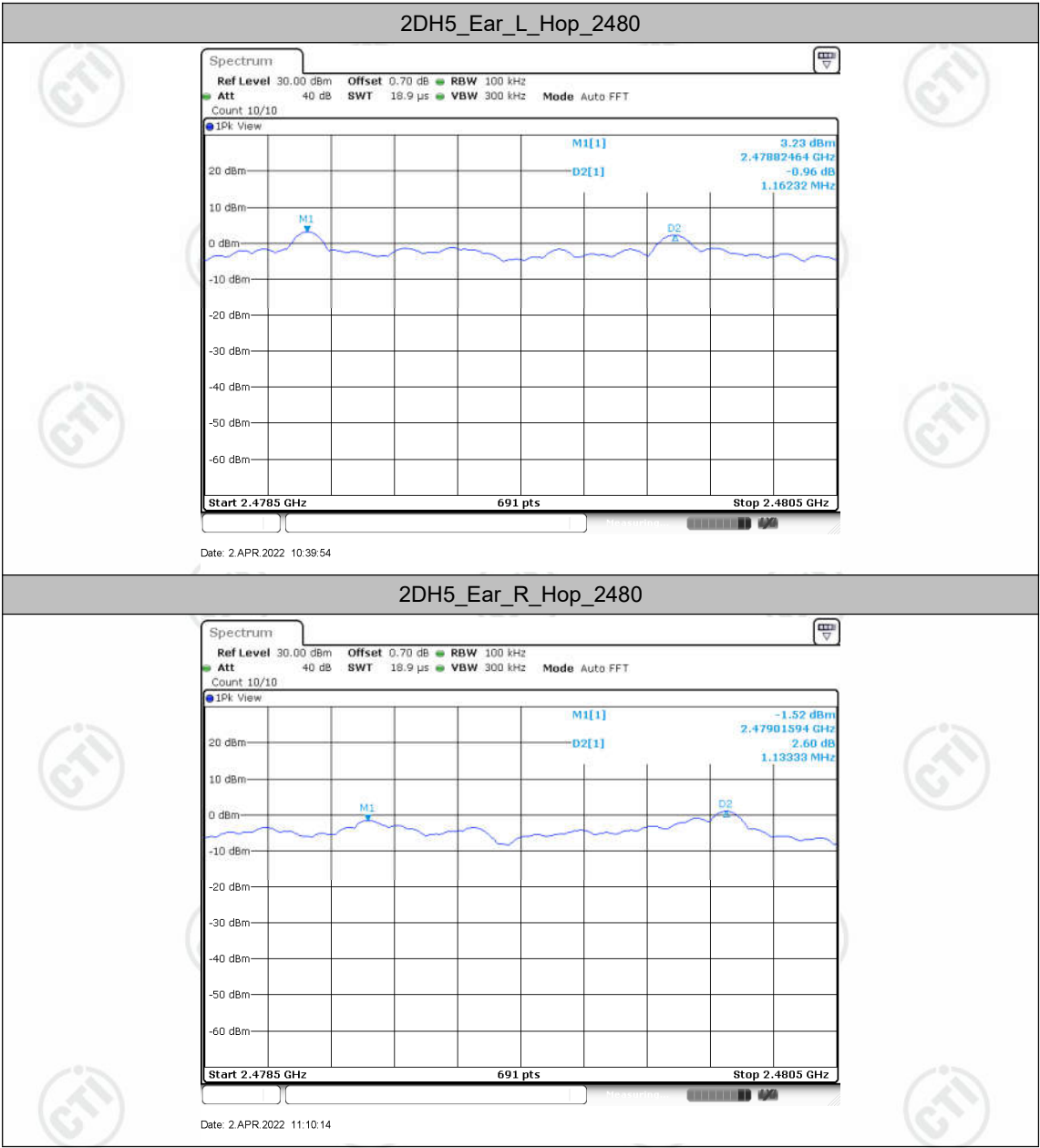










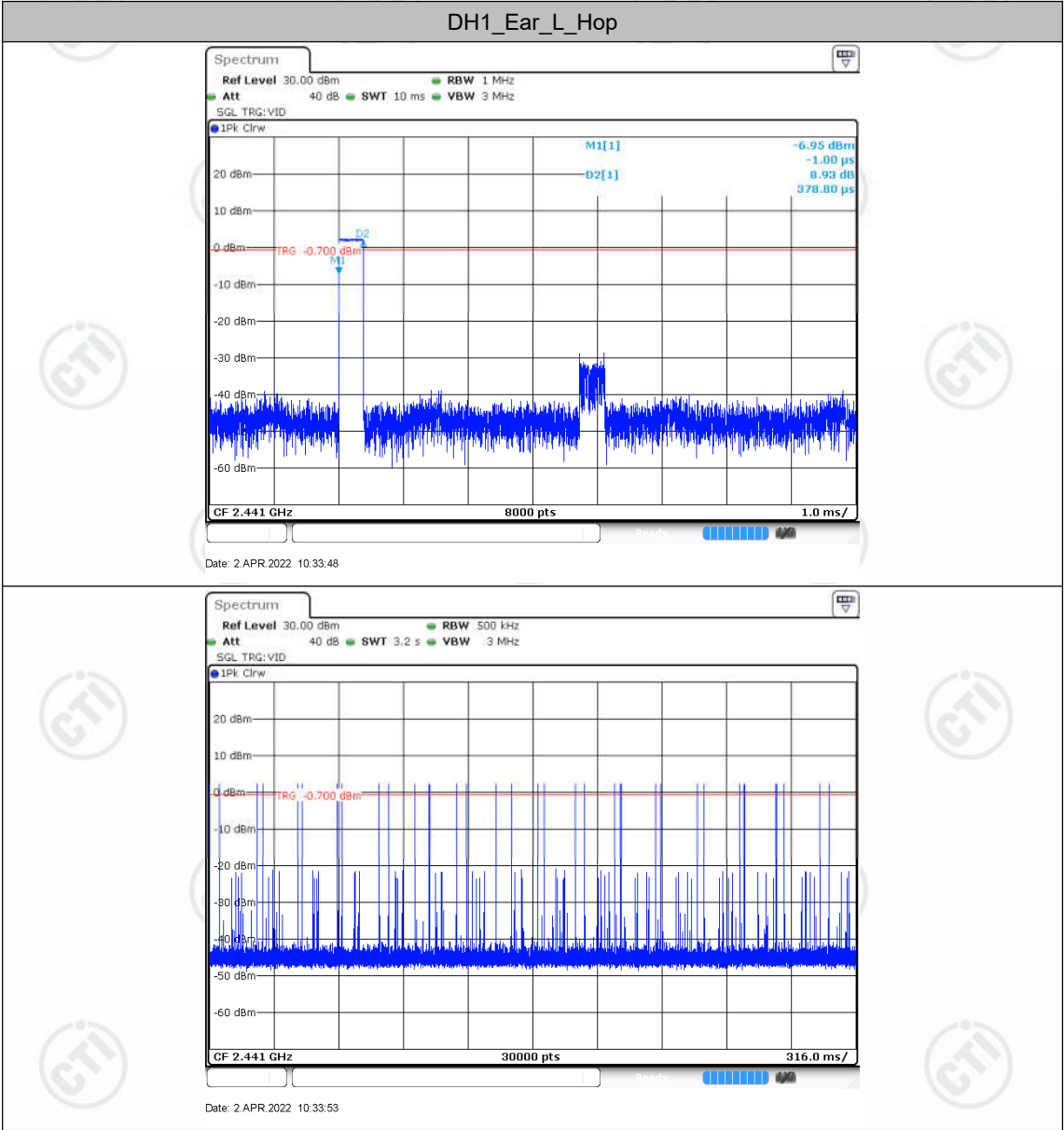


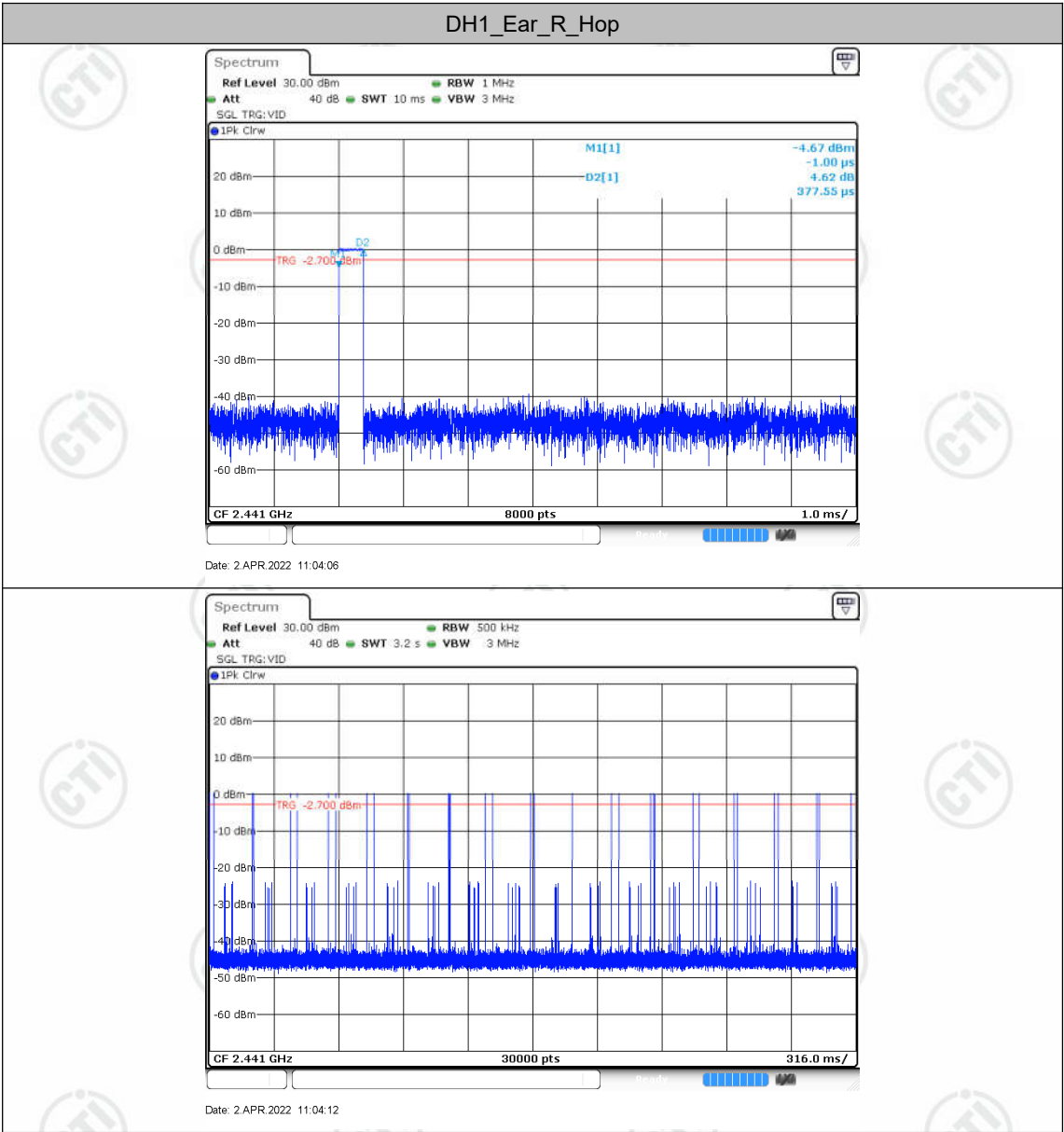
Appendix E: Time of occupancy

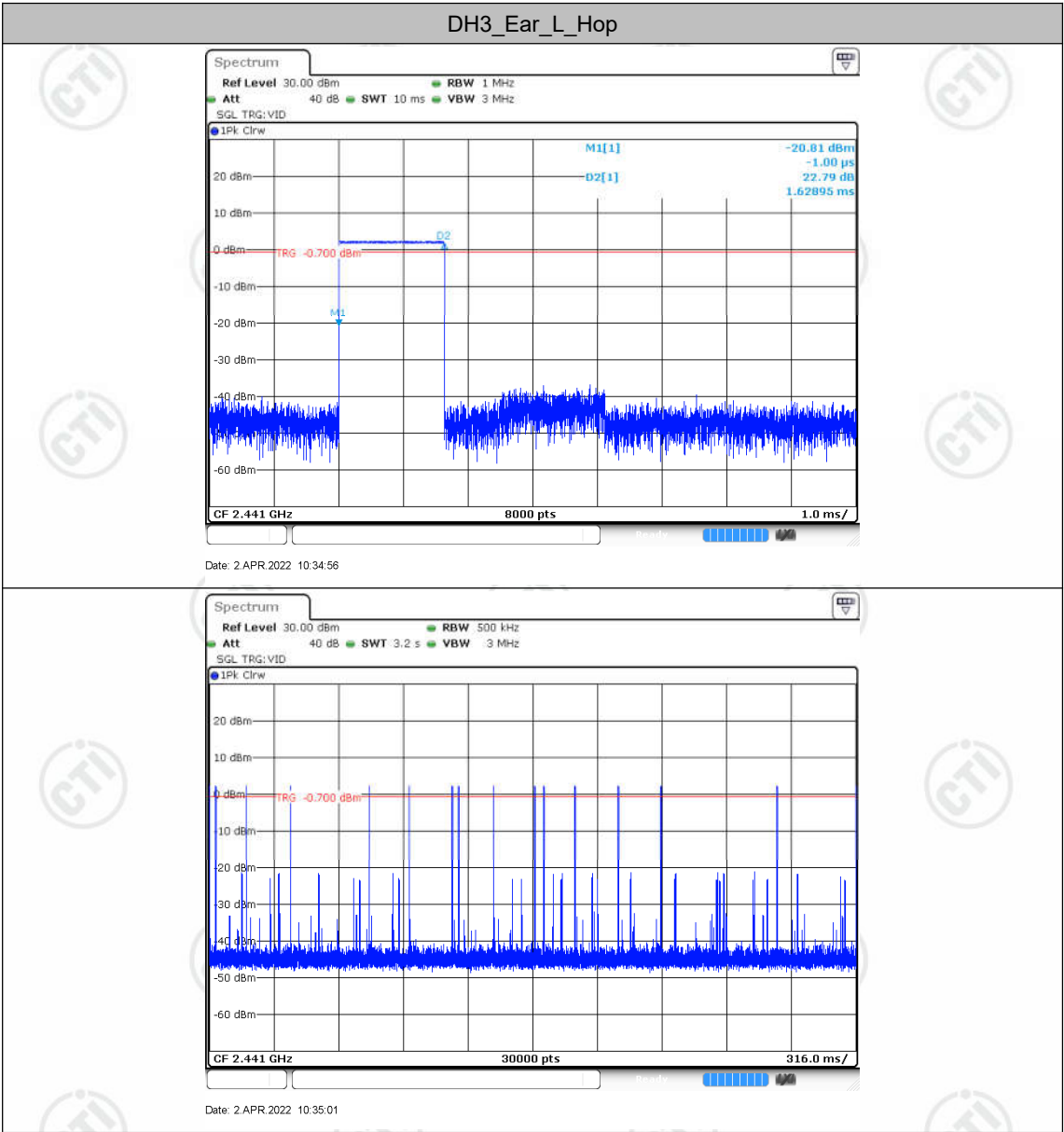
Test Result

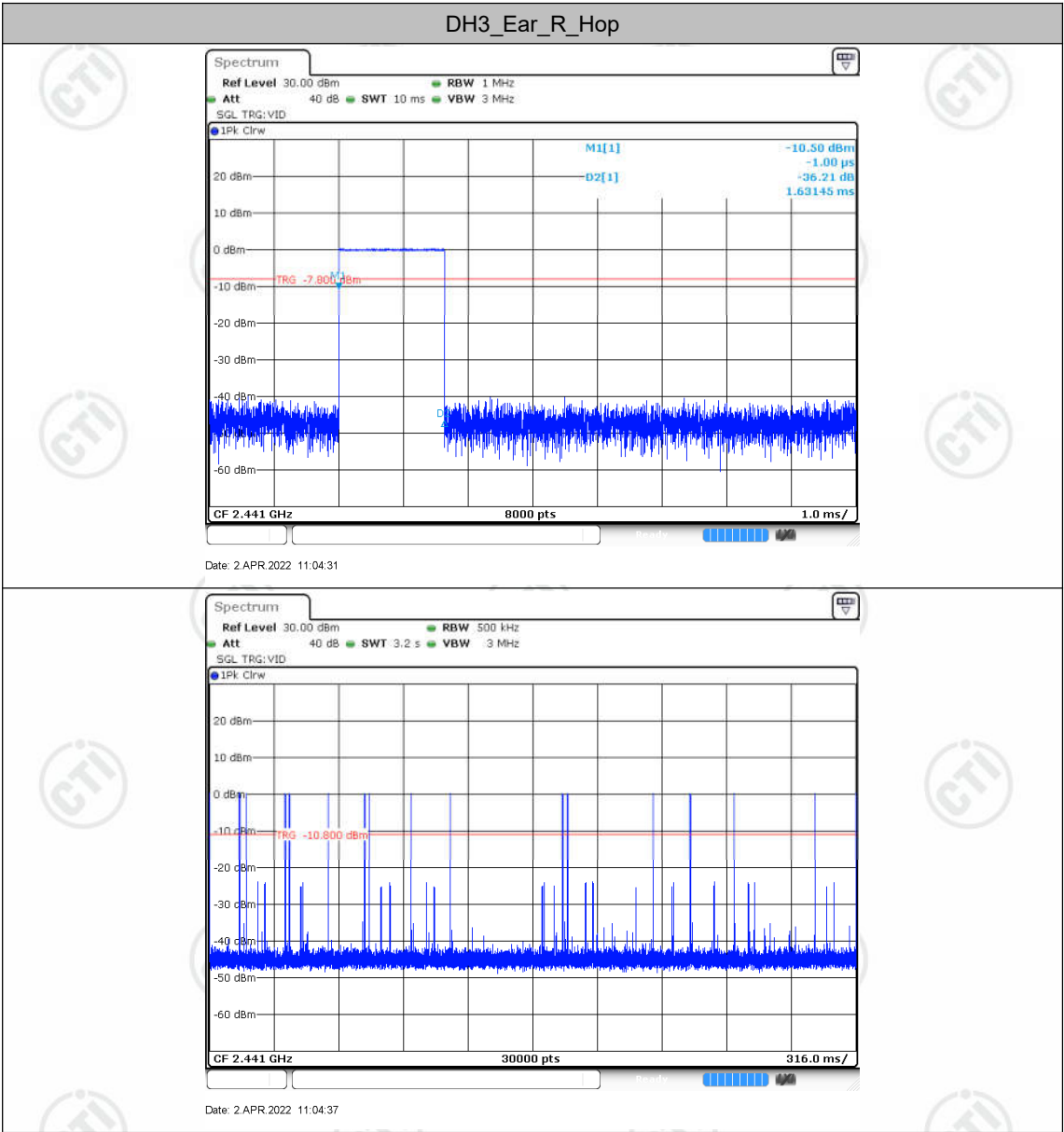
Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ear_L	Hop	0.38	320	0.121	<=0.4	PASS
	Ear_R	Hop	0.38	330	0.125	<=0.4	PASS
DH3	Ear_L	Hop	1.63	150	0.244	<=0.4	PASS
	Ear_R	Hop	1.63	160	0.261	<=0.4	PASS
DH5	Ear_L	Hop	2.87	110	0.316	<=0.4	PASS
	Ear_R	Hop	2.87	110	0.315	<=0.4	PASS
2DH1	Ear_L	Hop	0.39	330	0.128	<=0.4	PASS
	Ear_R	Hop	0.39	320	0.124	<=0.4	PASS
2DH3	Ear_L	Hop	1.63	180	0.294	<=0.4	PASS
	Ear_R	Hop	1.63	150	0.245	<=0.4	PASS
2DH5	Ear_L	Hop	2.87	110	0.316	<=0.4	PASS
	Ear_R	Hop	2.87	110	0.316	<=0.4	PASS

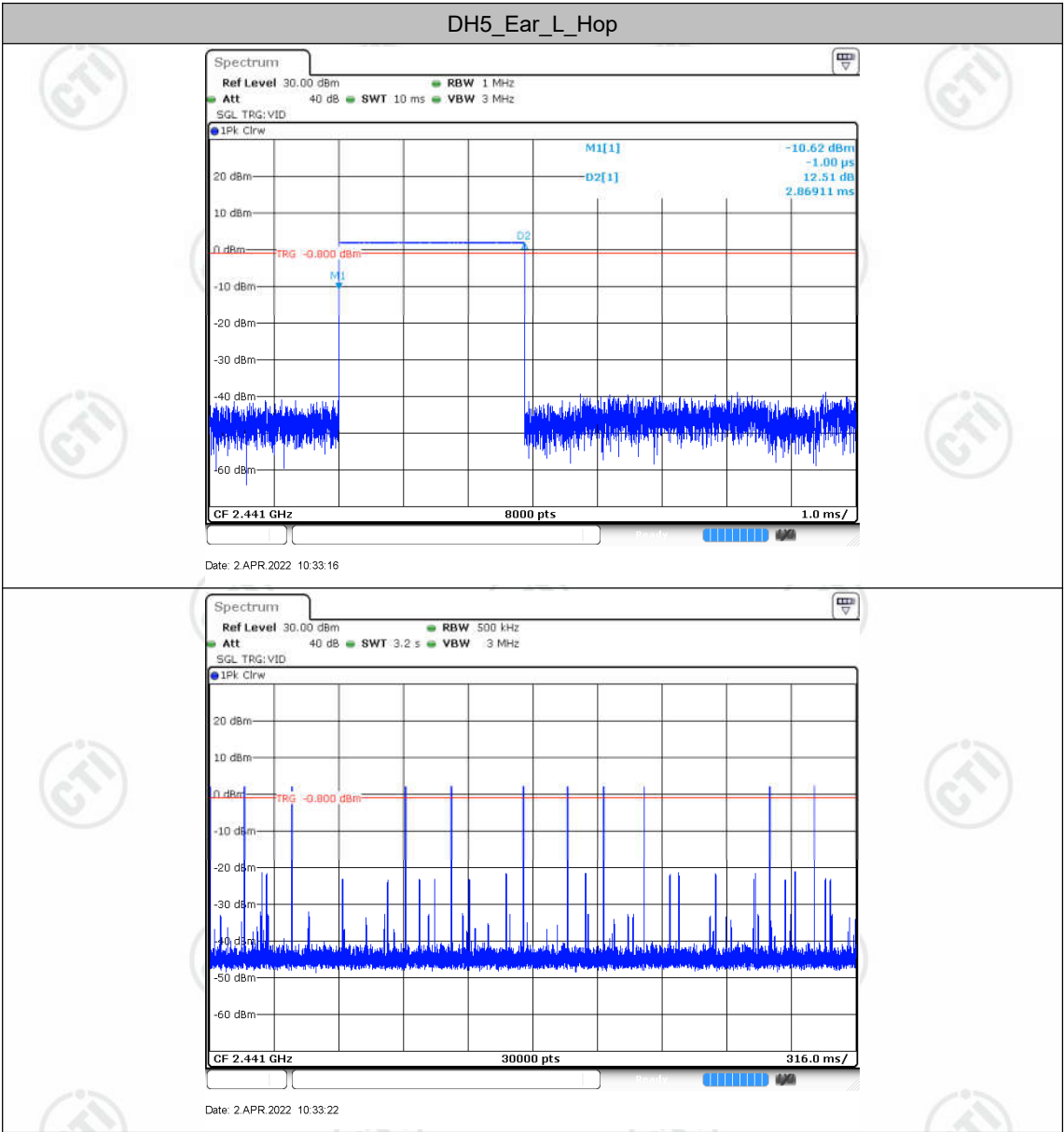
Test Graphs

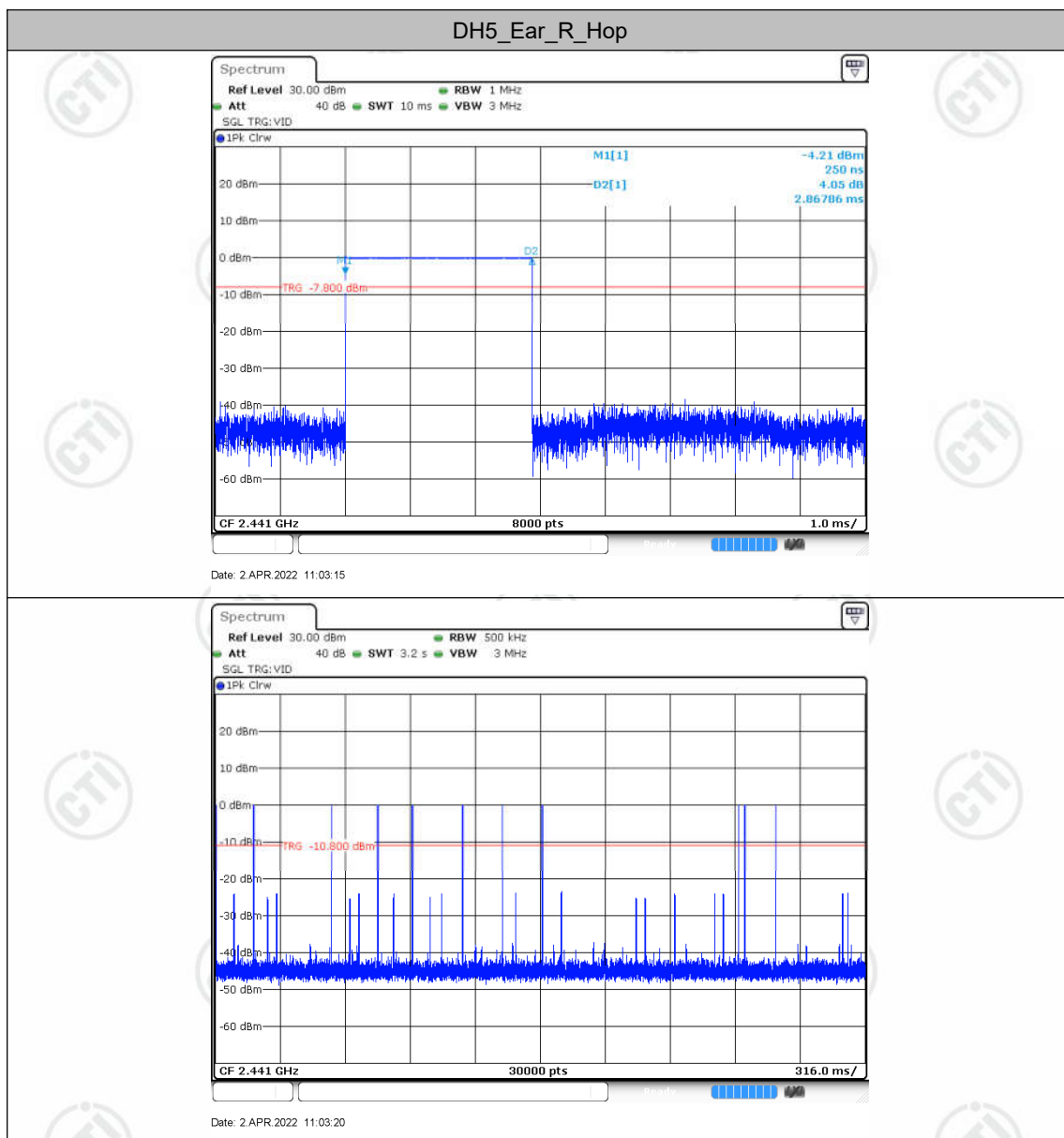


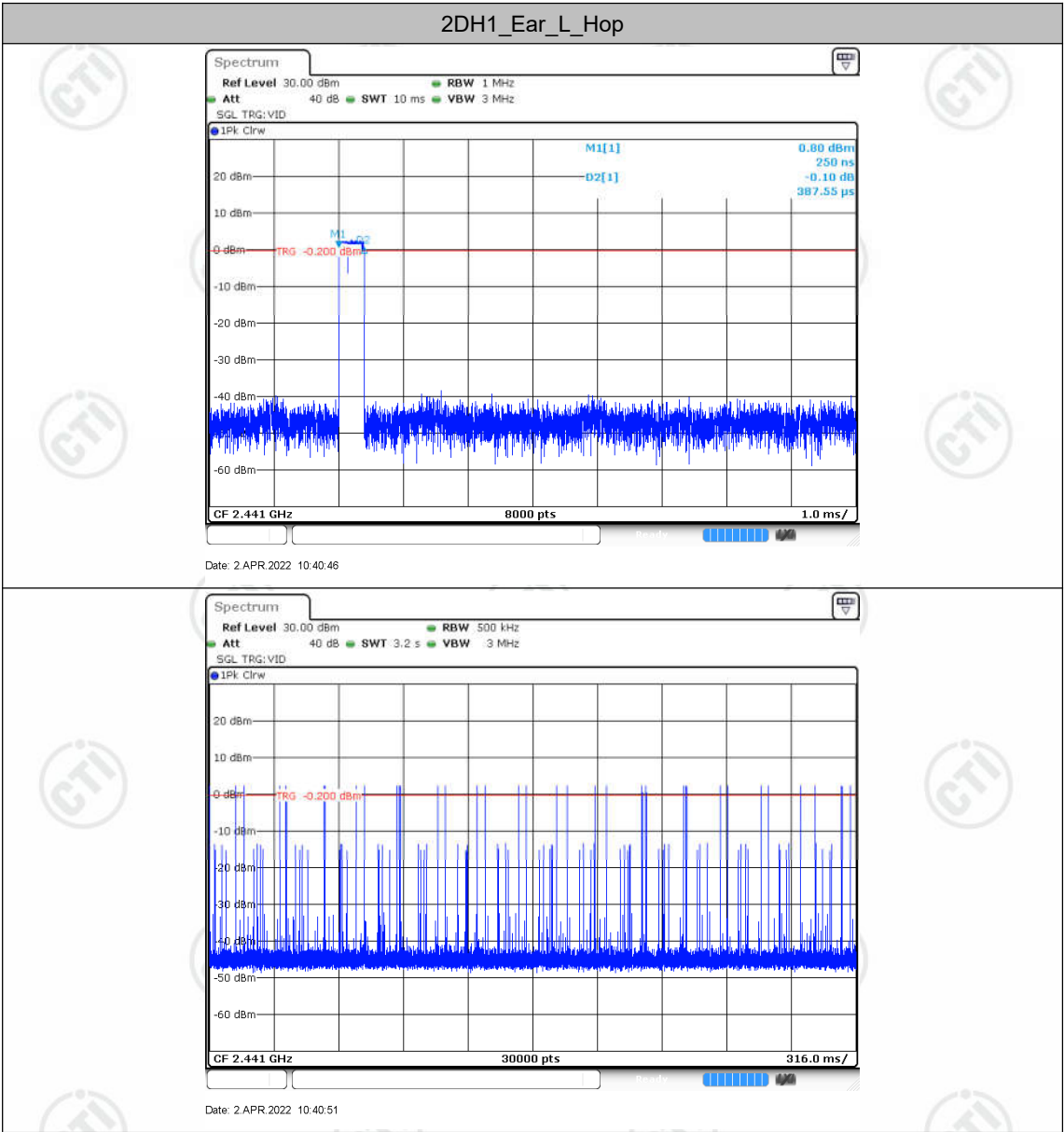


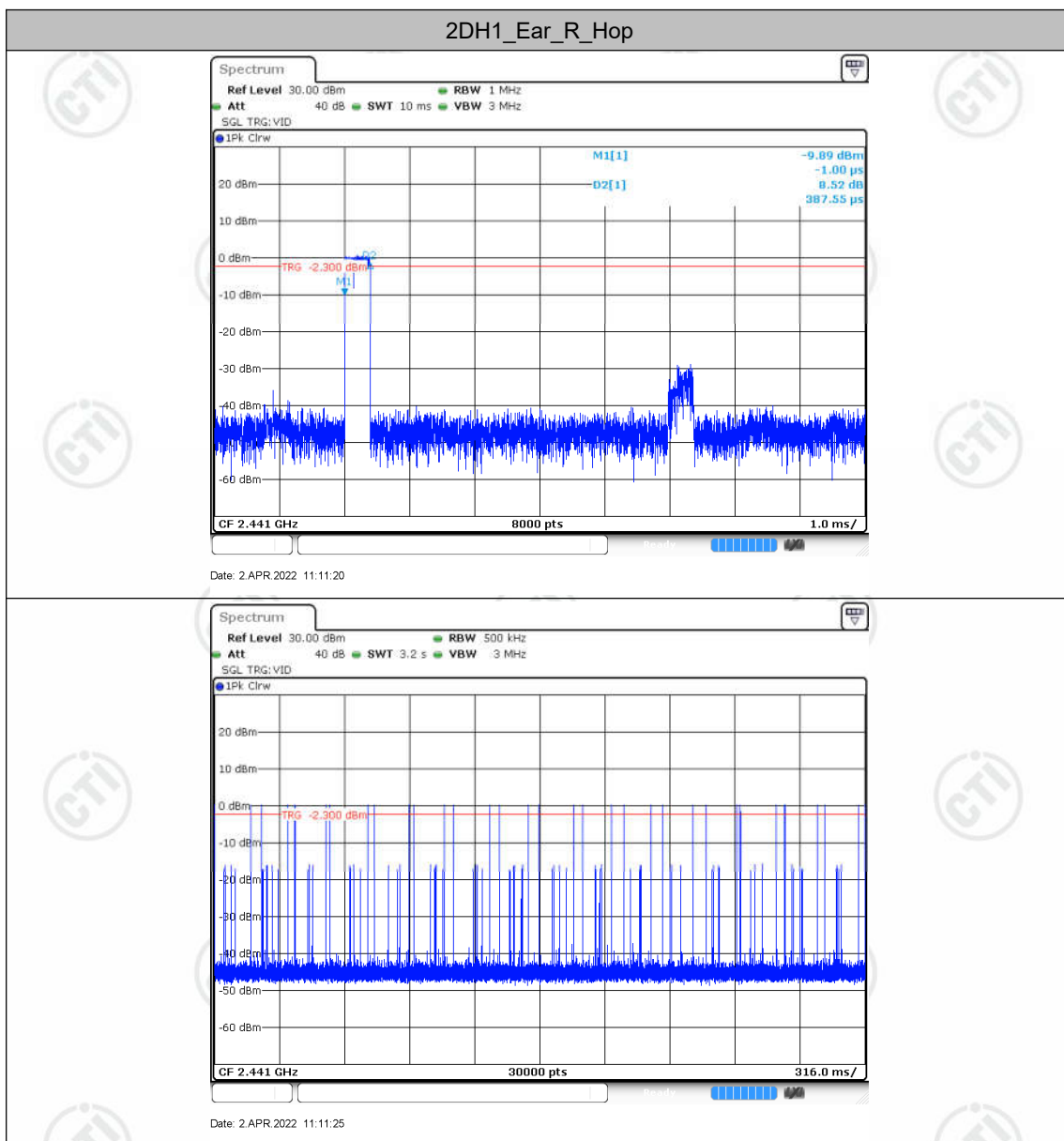


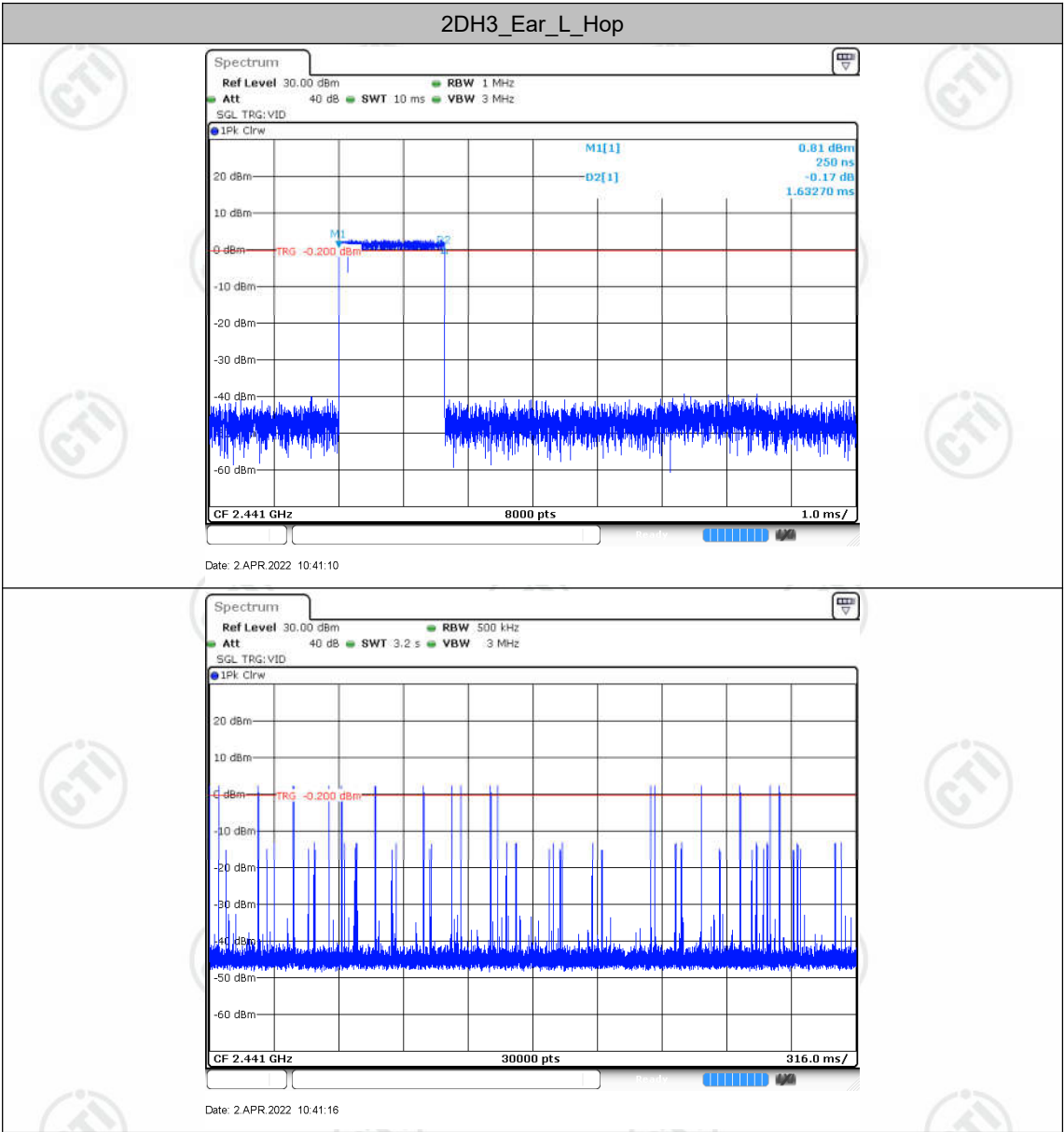


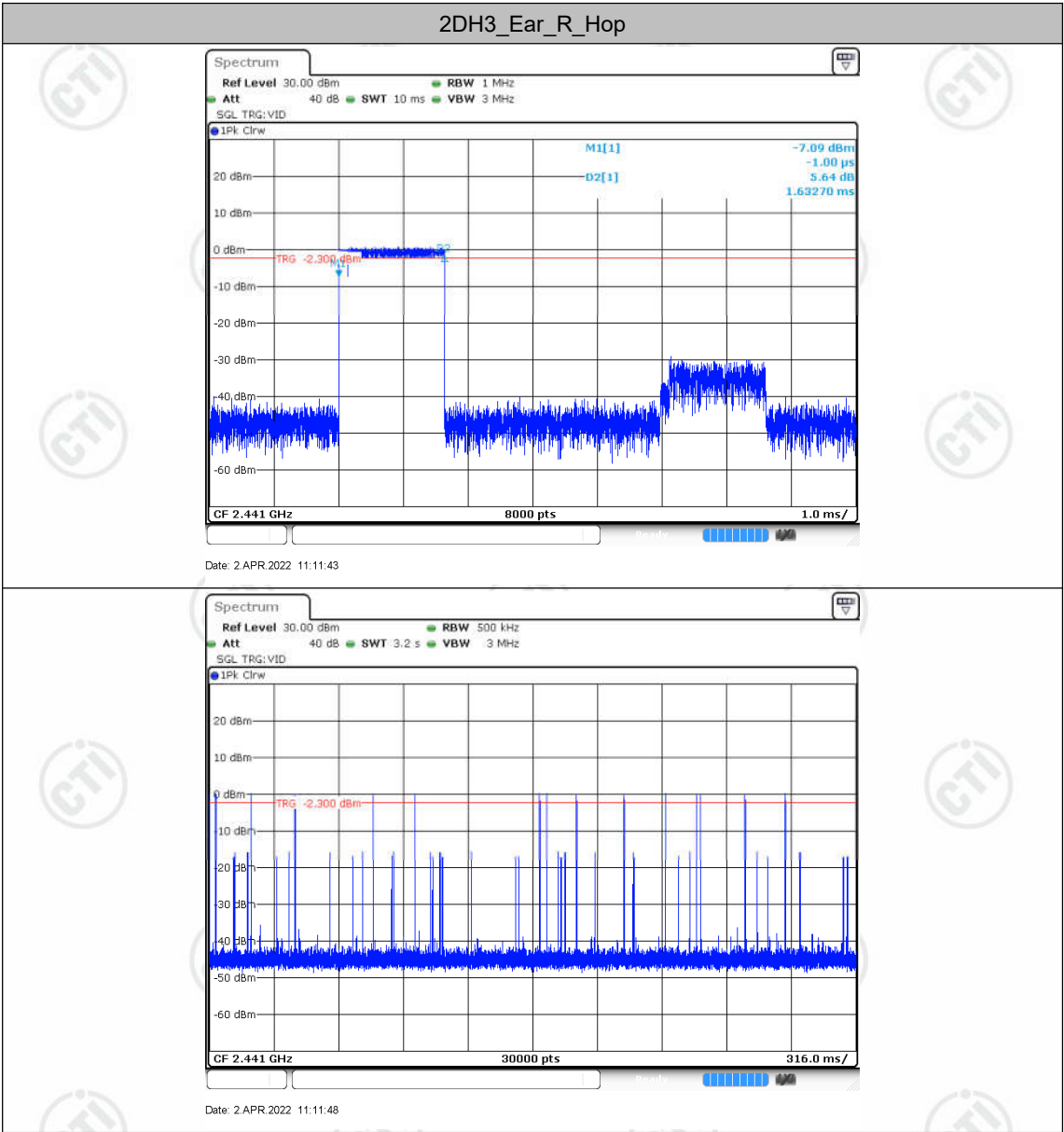


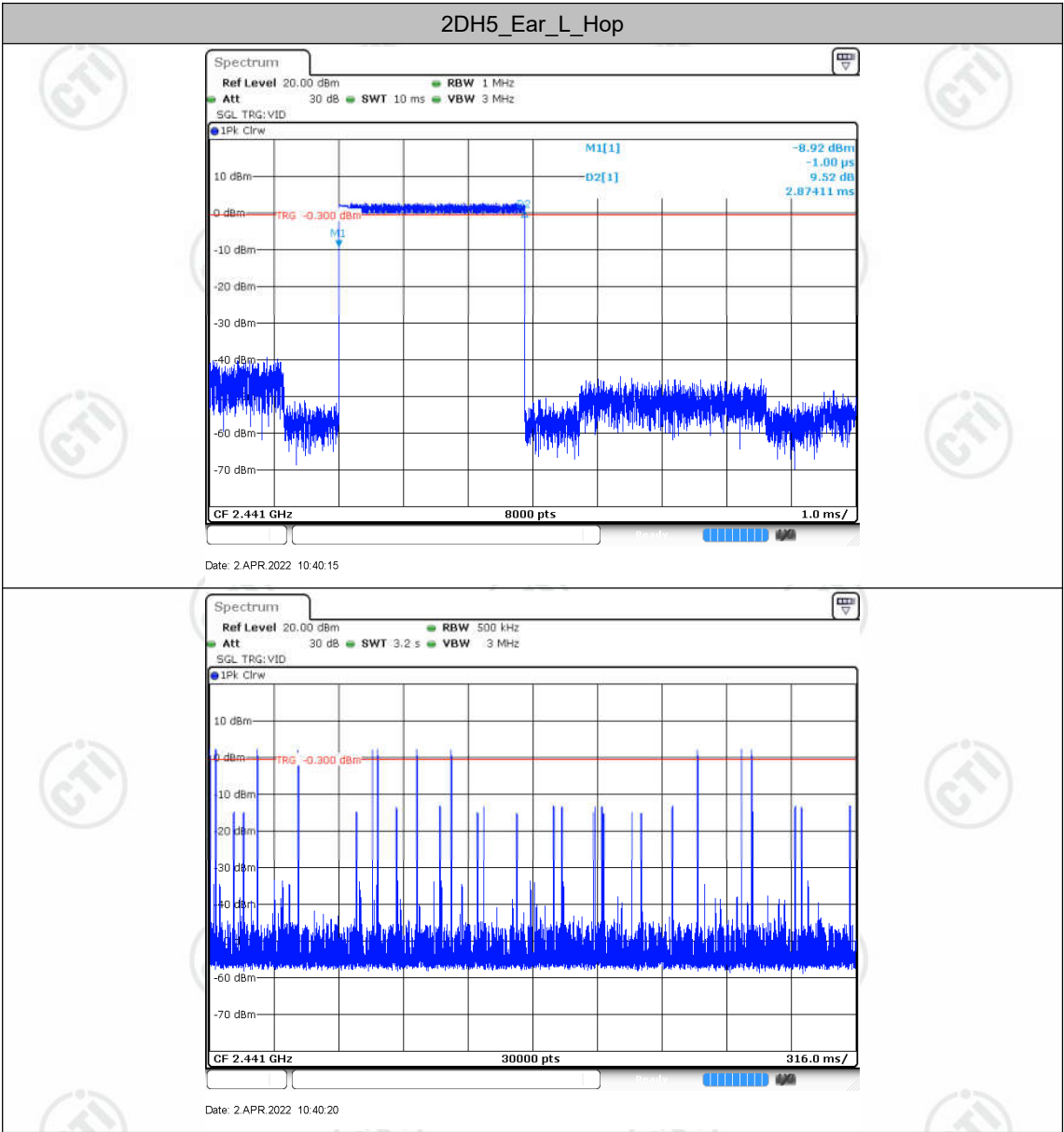


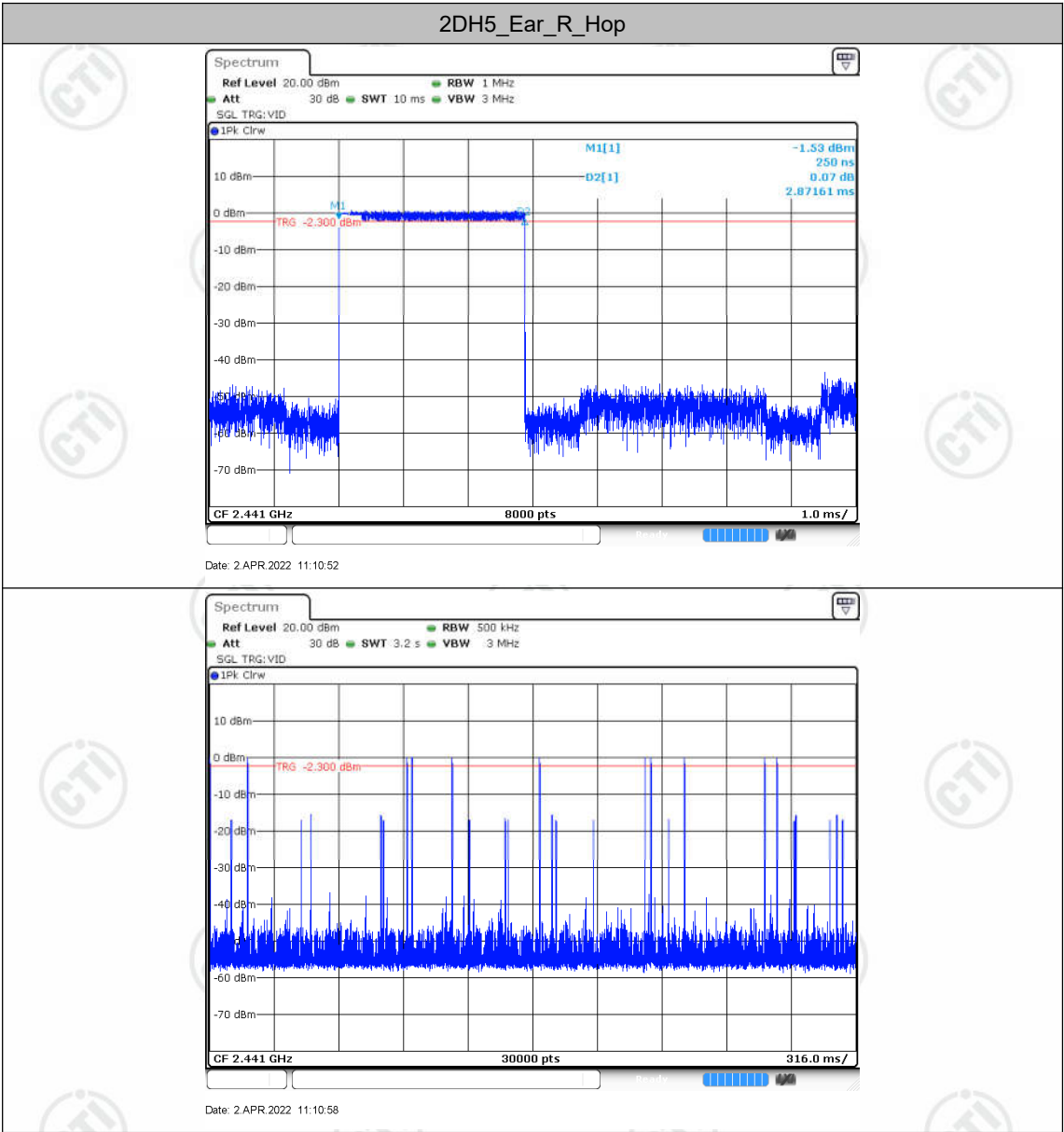










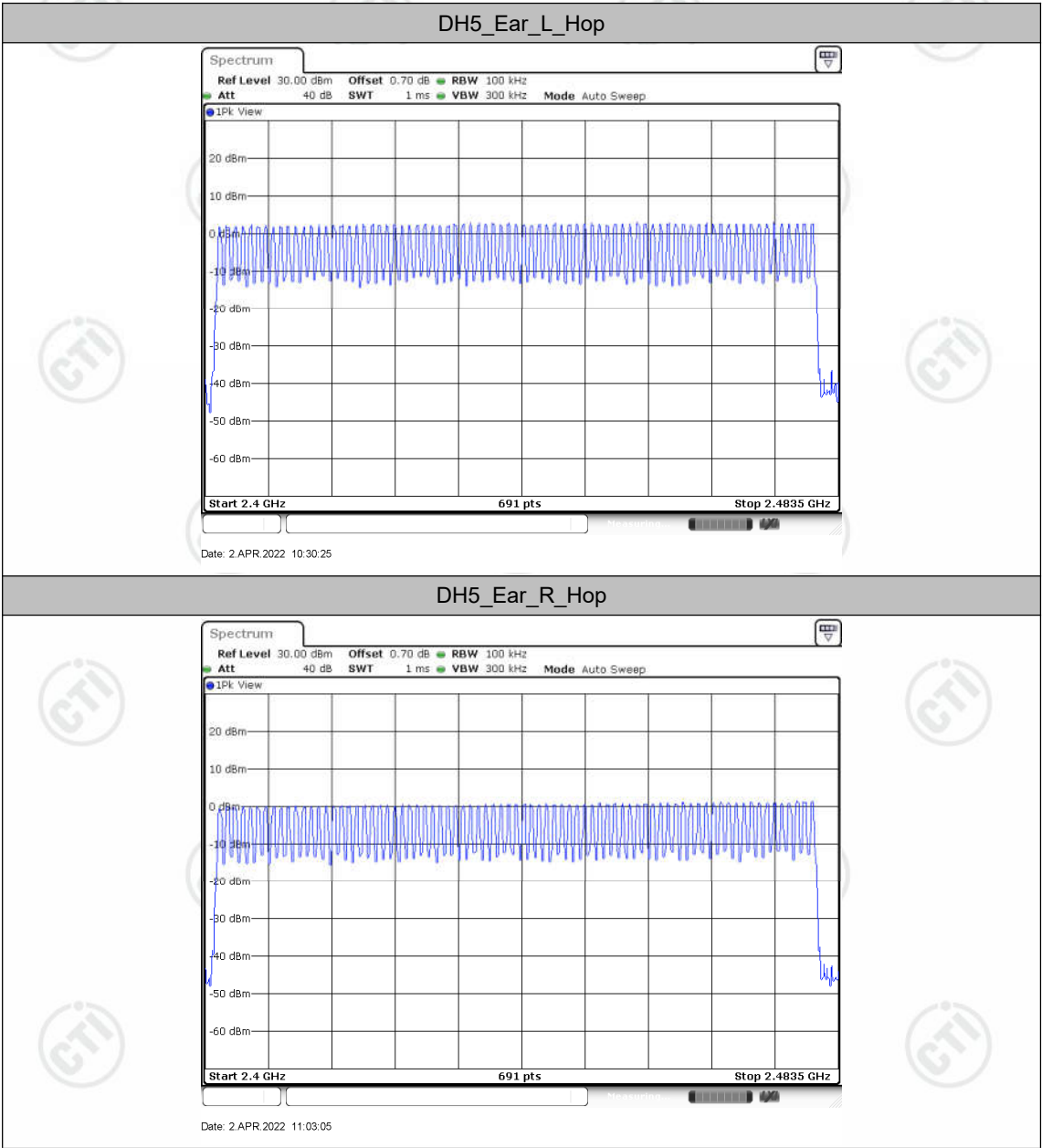


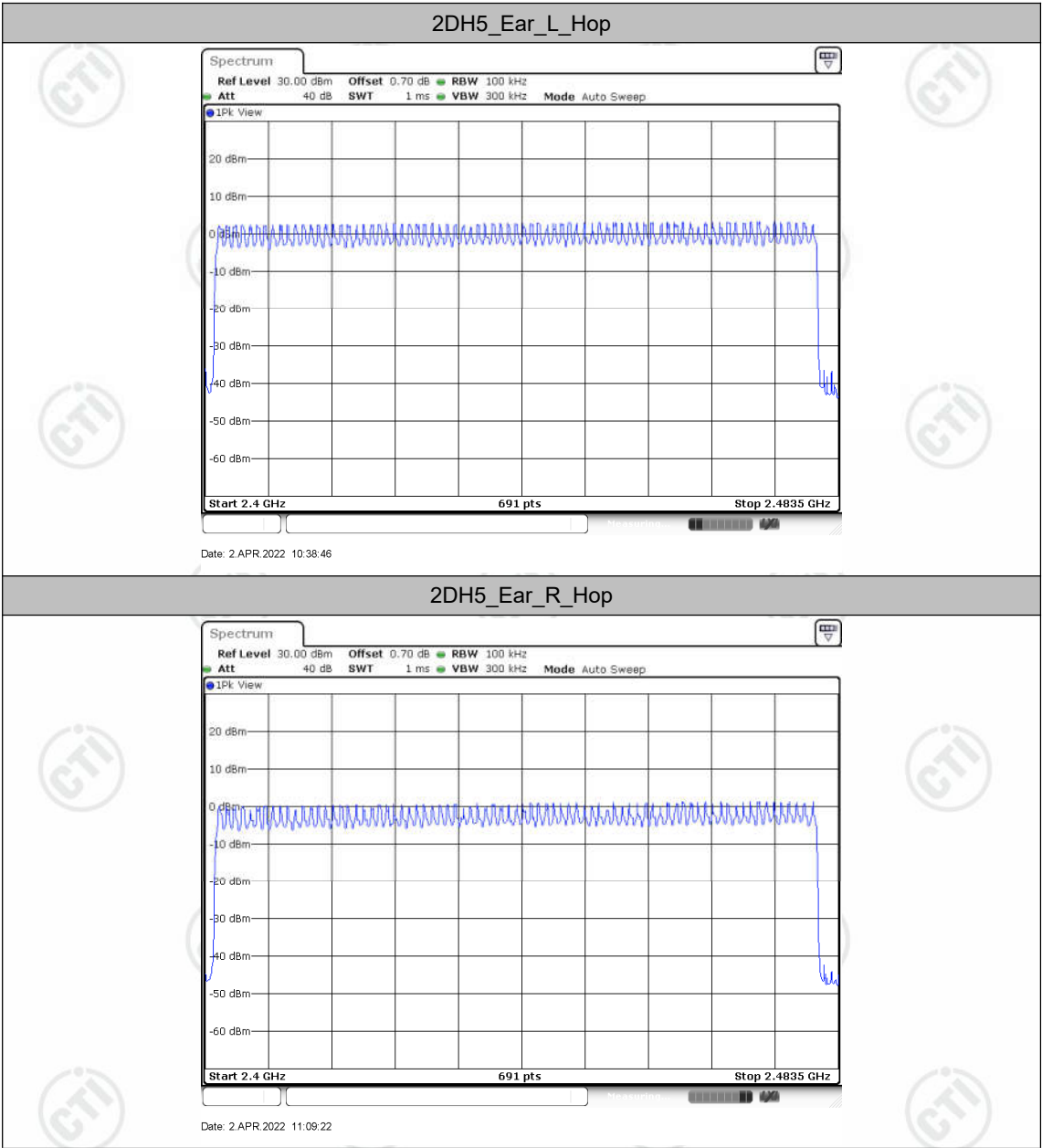
Appendix F: Number of hopping channels

Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ear_L	Hop	79	>=15	PASS
	Ear_R	Hop	79	>=15	PASS
2DH5	Ear_L	Hop	79	>=15	PASS
	Ear_R	Hop	79	>=15	PASS

Test Graphs



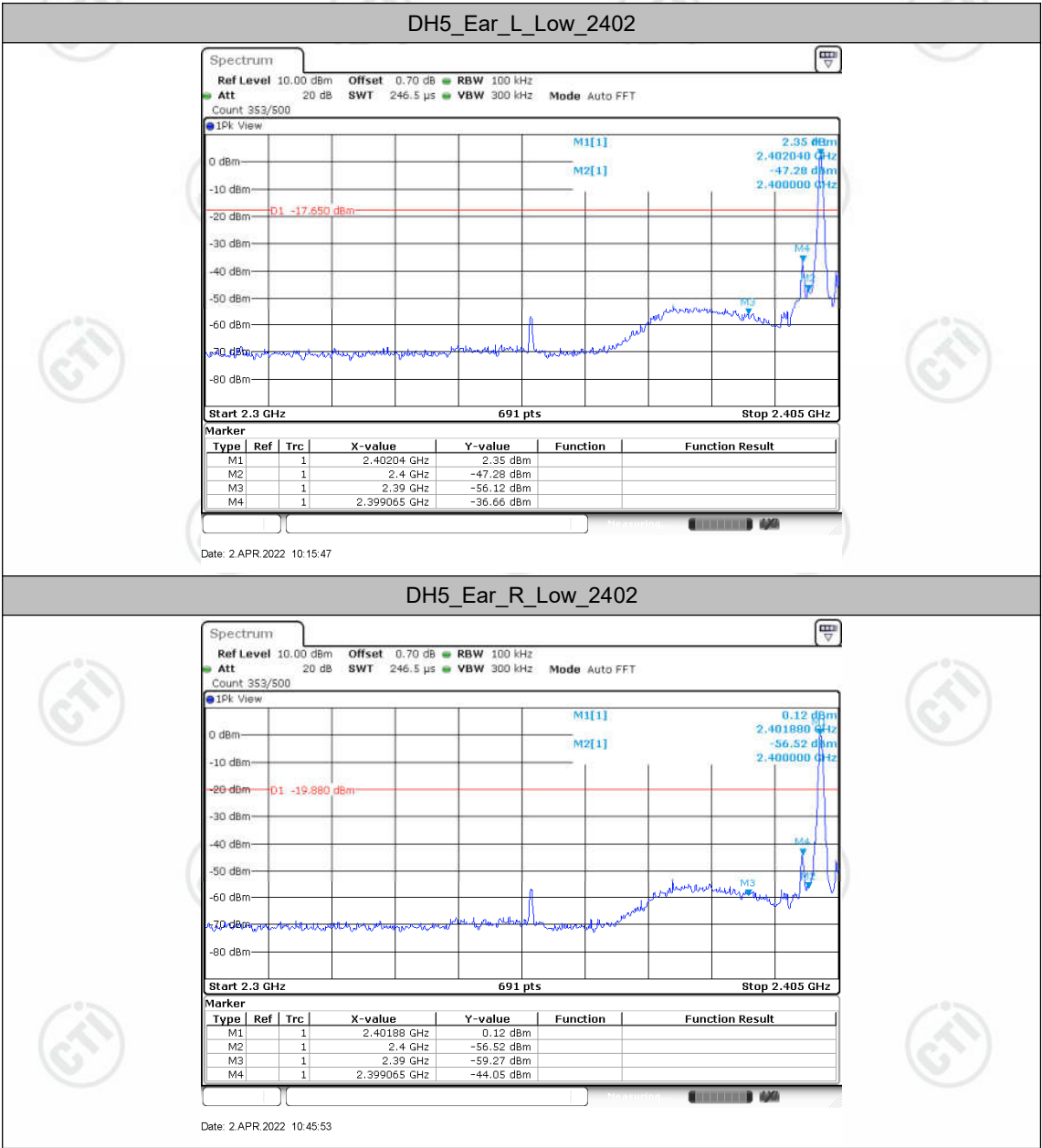


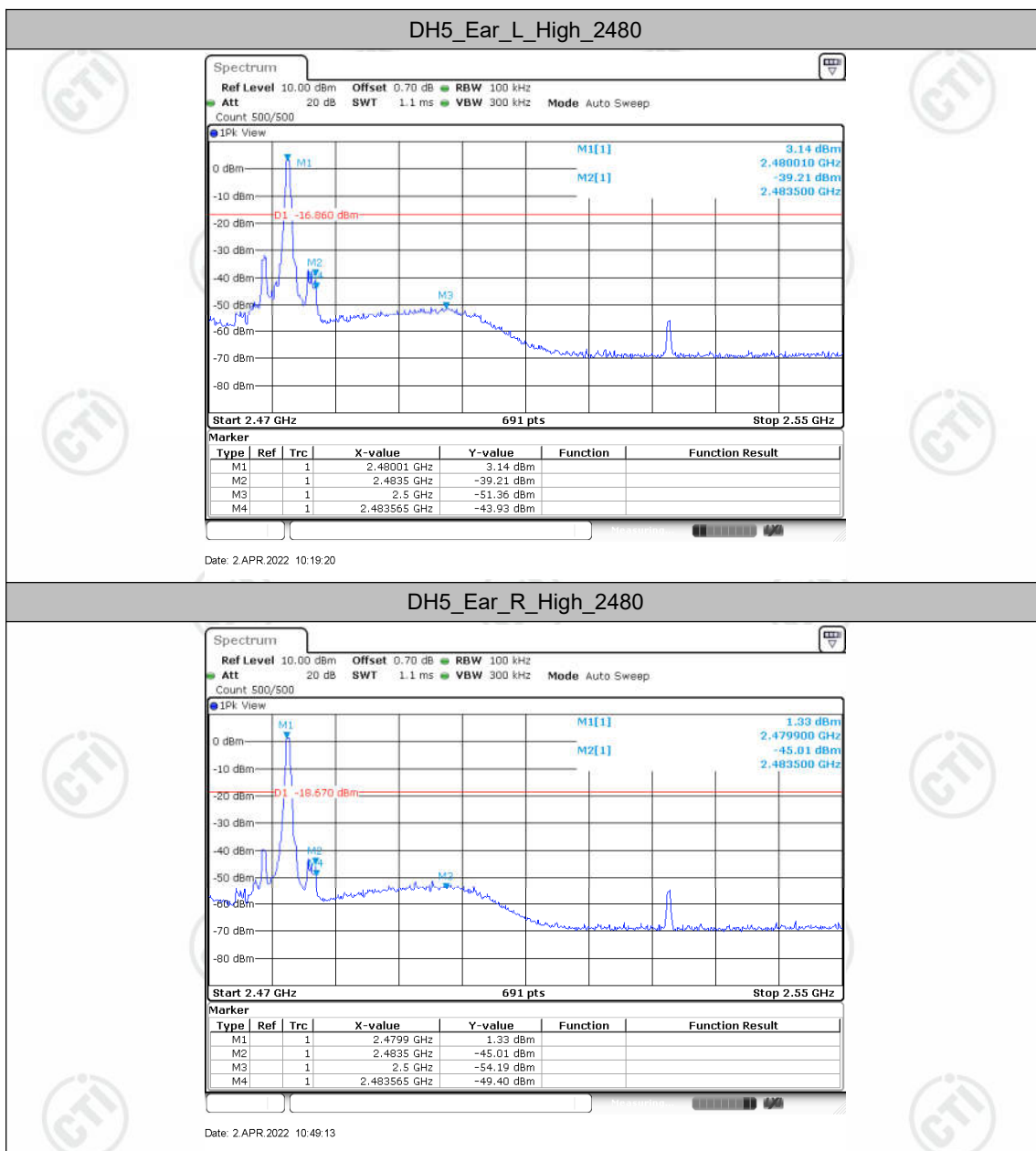
Appendix G:Band edge measurements

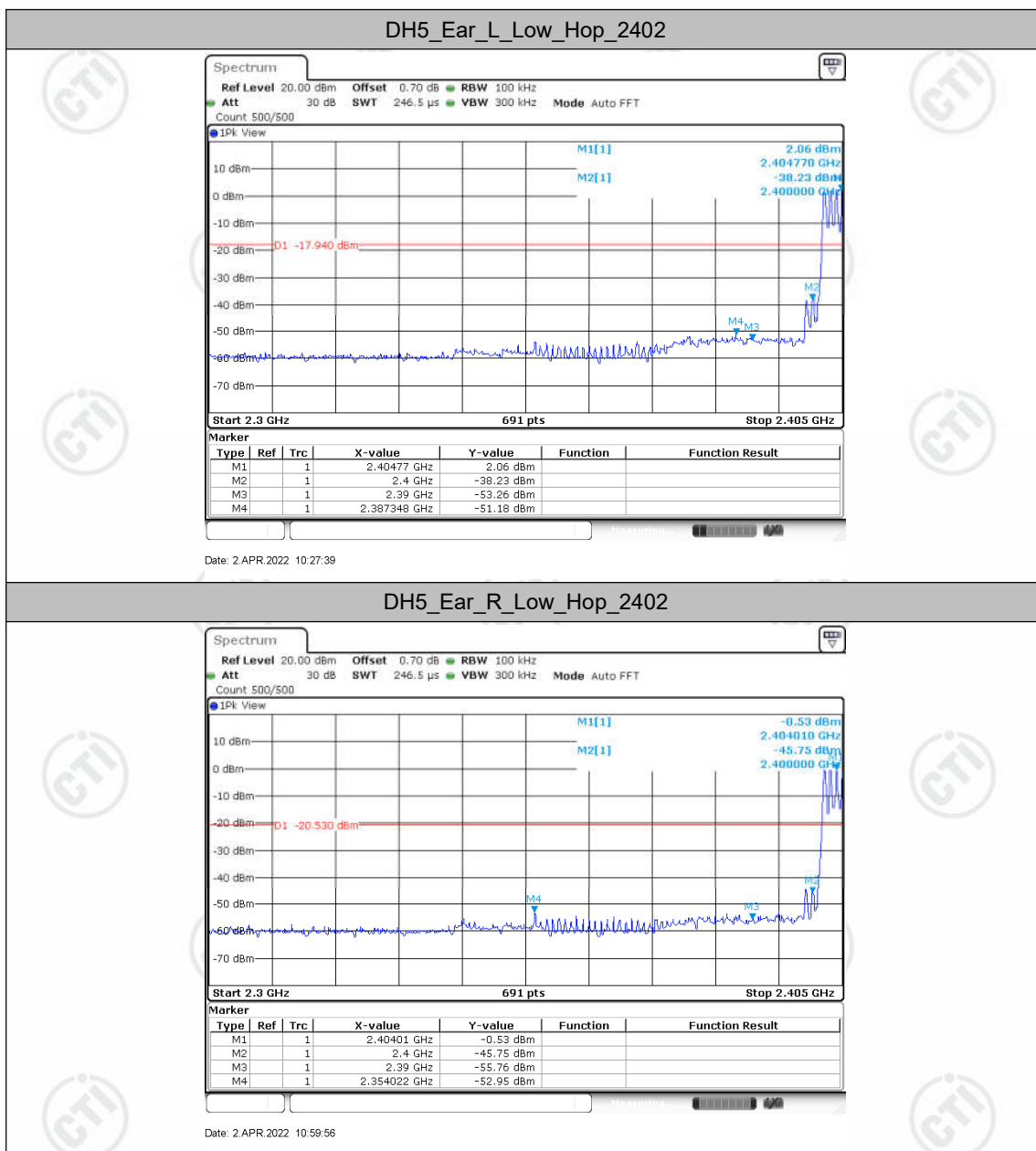
Test Result

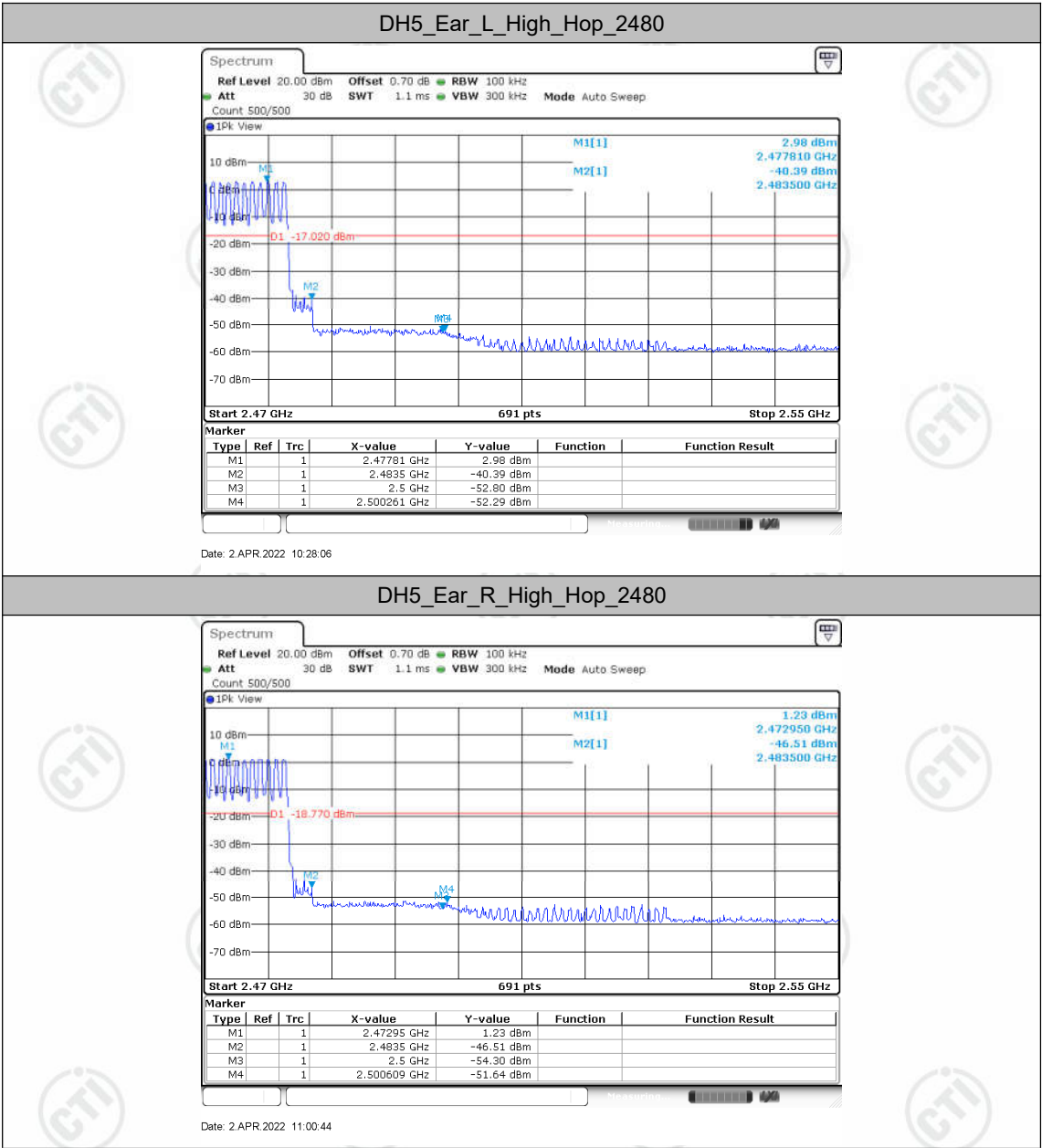
Test Mode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ear_L	Low	2402	2.35	-36.66	<=-17.65	PASS
	Ear_R	Low	2402	0.12	-44.05	<=-19.88	PASS
	Ear_L	High	2480	3.14	-43.93	<=-16.86	PASS
	Ear_R	High	2480	1.33	-49.4	<=-18.67	PASS
	Ear_L	Low	Hop_2402	2.06	-51.18	<=-17.94	PASS
	Ear_R	Low	Hop_2402	-0.53	-52.95	<=-20.53	PASS
	Ear_L	High	Hop_2480	2.98	-52.29	<=-17.02	PASS
	Ear_R	High	Hop_2480	1.23	-51.64	<=-18.77	PASS
2DH5	Ear_L	Low	2402	2.50	-36.81	<=-17.5	PASS
	Ear_R	Low	2402	-0.02	-44.1	<=-20.02	PASS
	Ear_L	High	2480	3.15	-44.9	<=-16.85	PASS
	Ear_R	High	2480	1.42	-50.63	<=-18.58	PASS
	Ear_L	Low	Hop_2402	1.26	-51.85	<=-18.74	PASS
	Ear_R	Low	Hop_2402	0.17	-53.24	<=-19.83	PASS
	Ear_L	High	Hop_2480	3.10	-52.1	<=-16.9	PASS
	Ear_R	High	Hop_2480	1.26	-53.55	<=-18.74	PASS

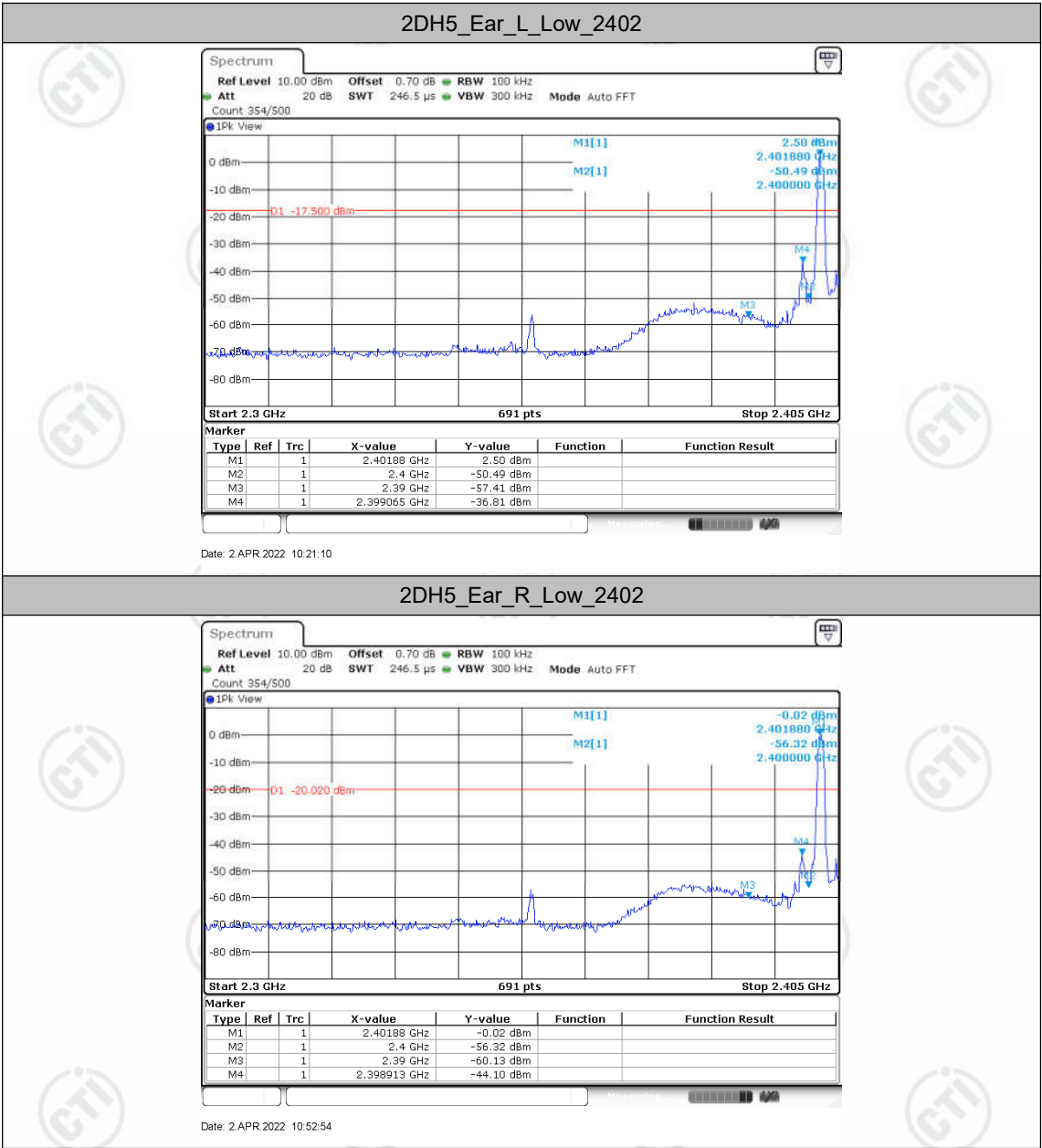
Test Graphs

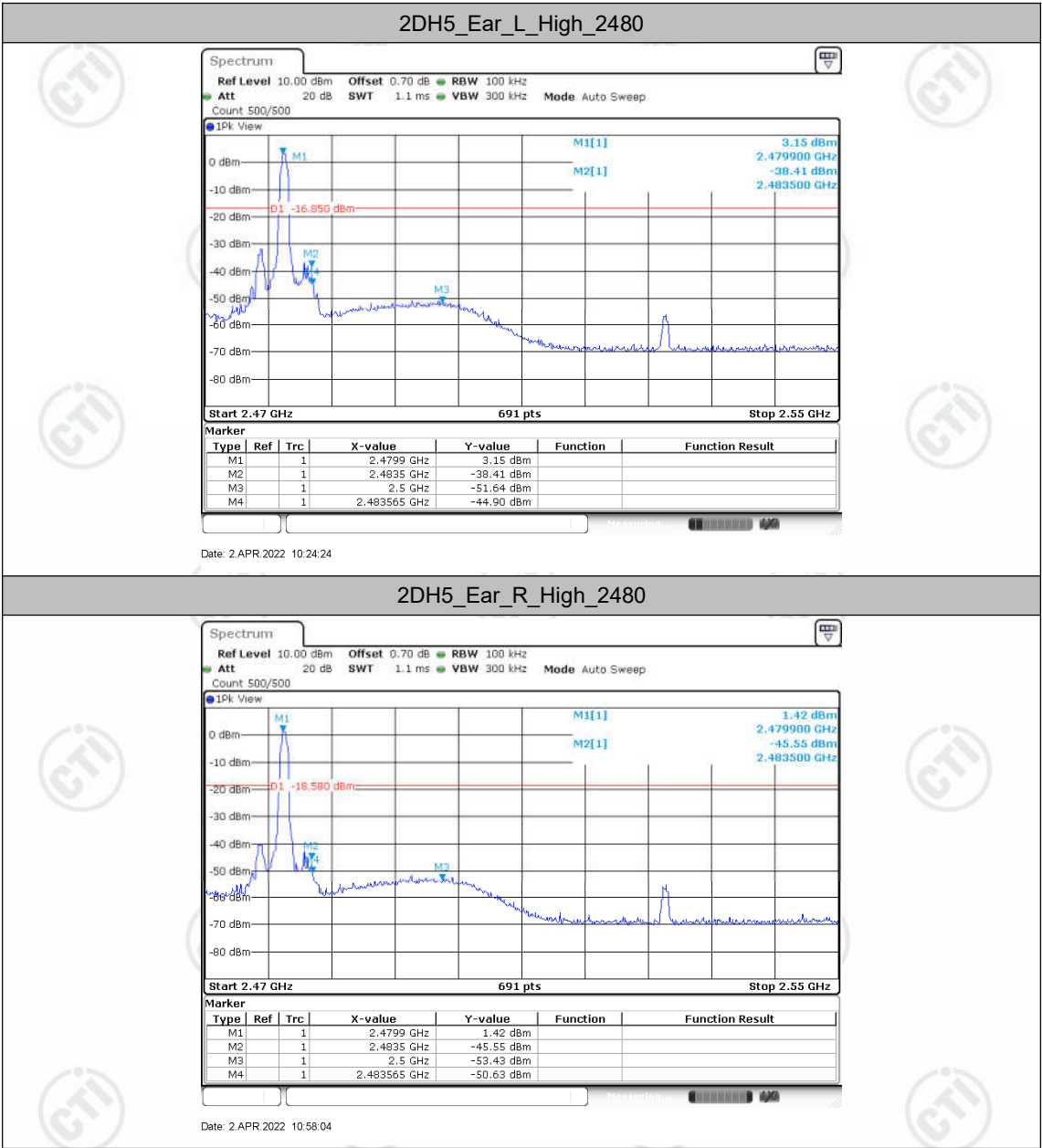


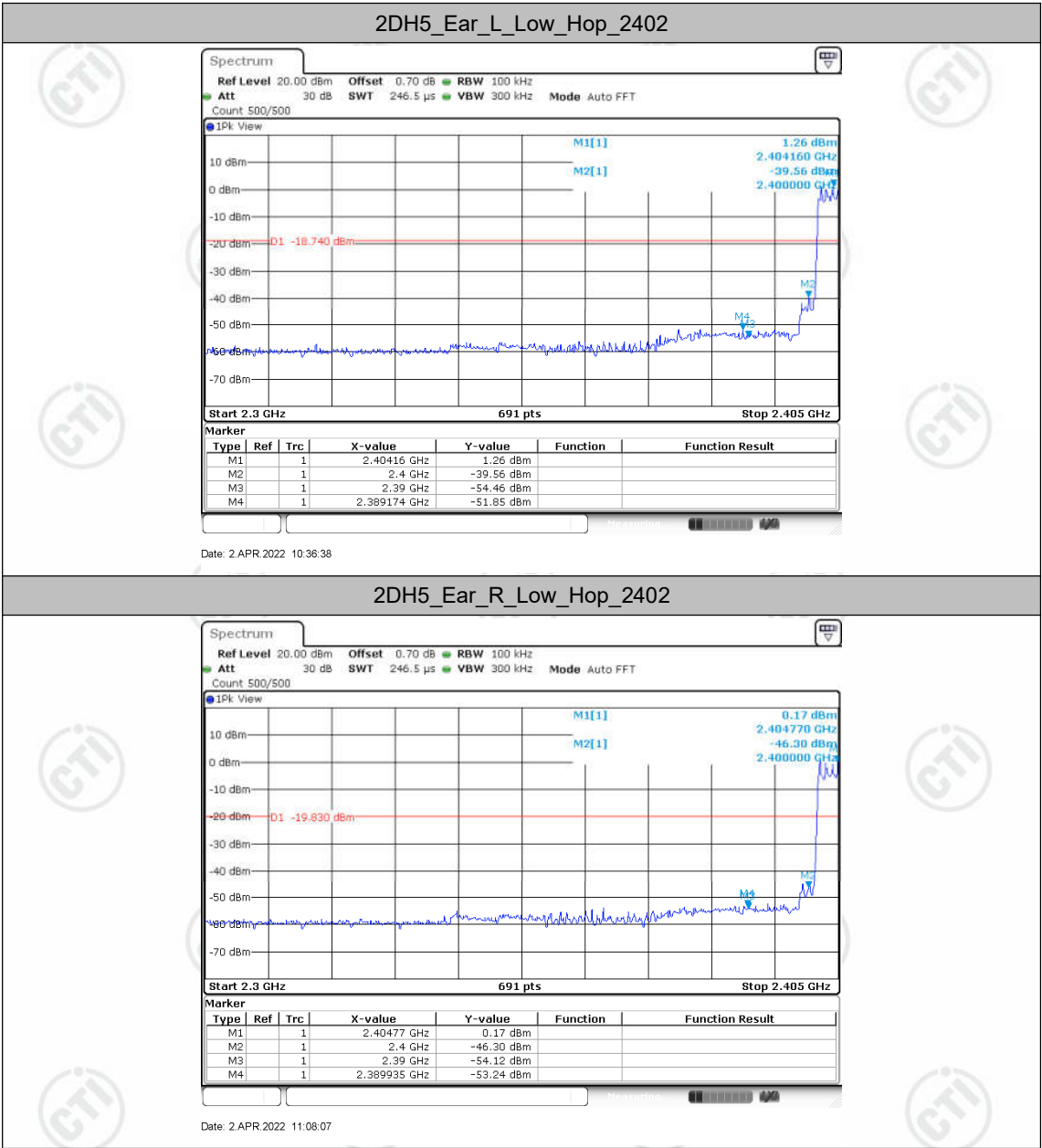


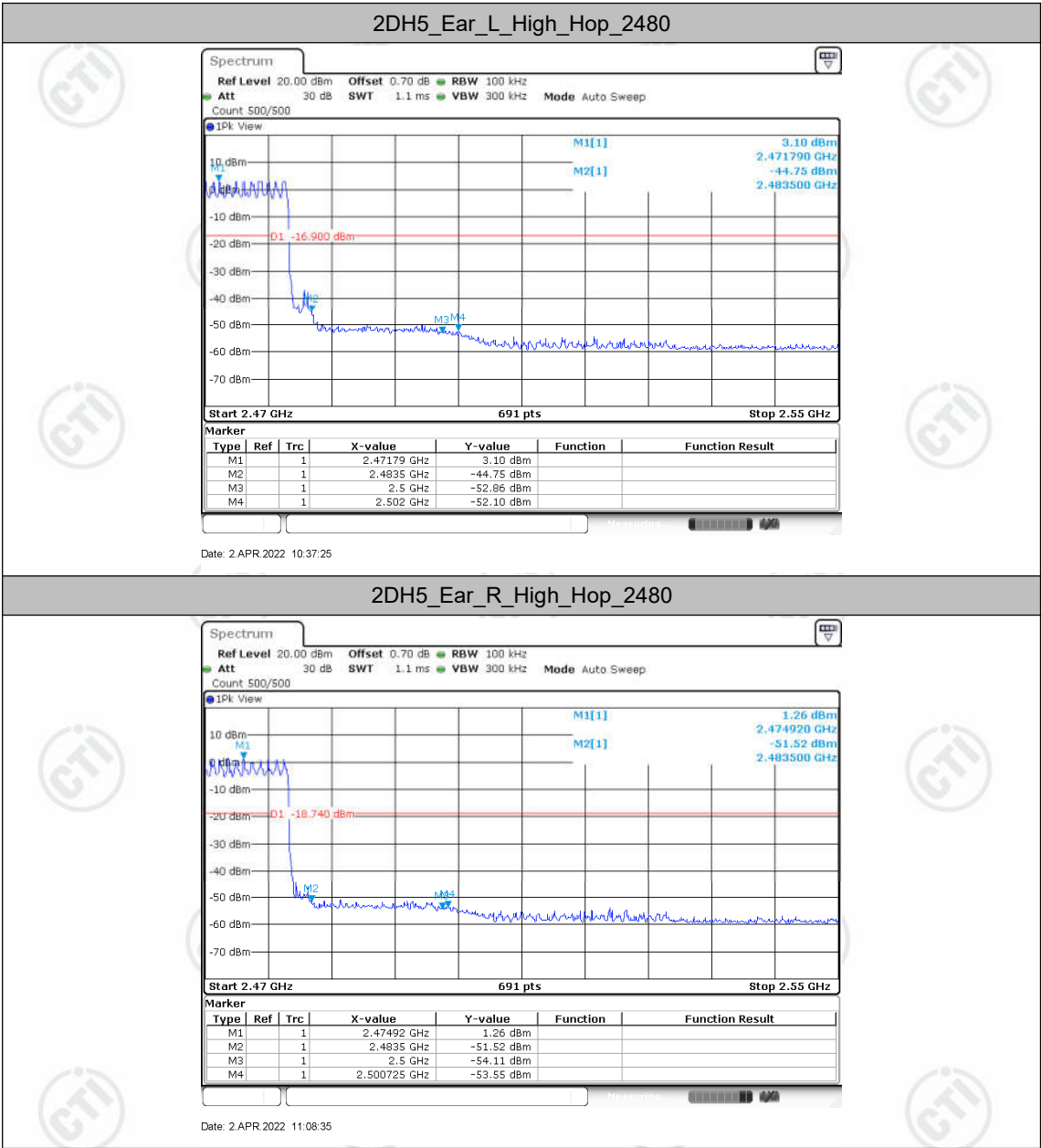












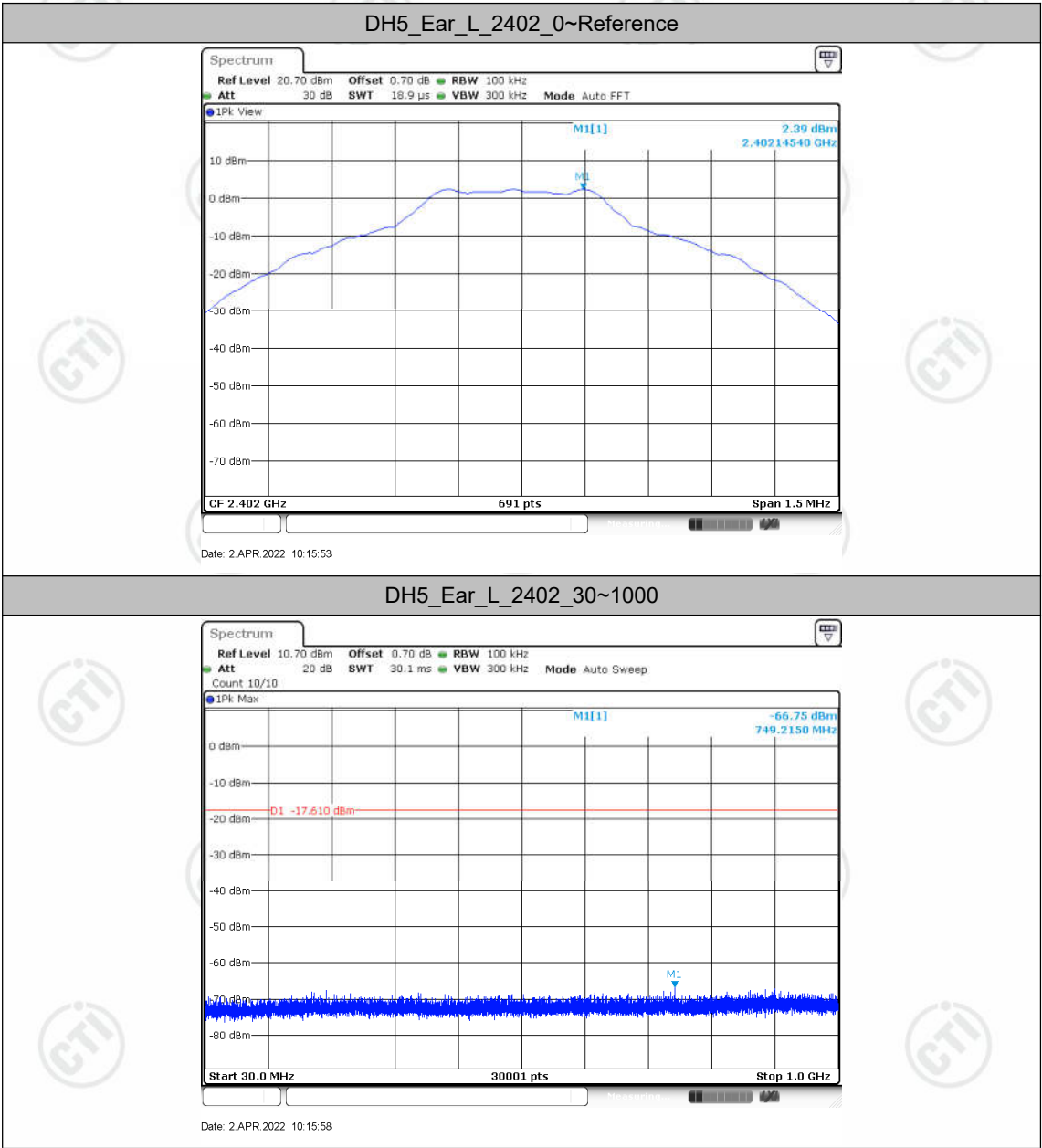
Appendix H:Conducted Spurious Emission

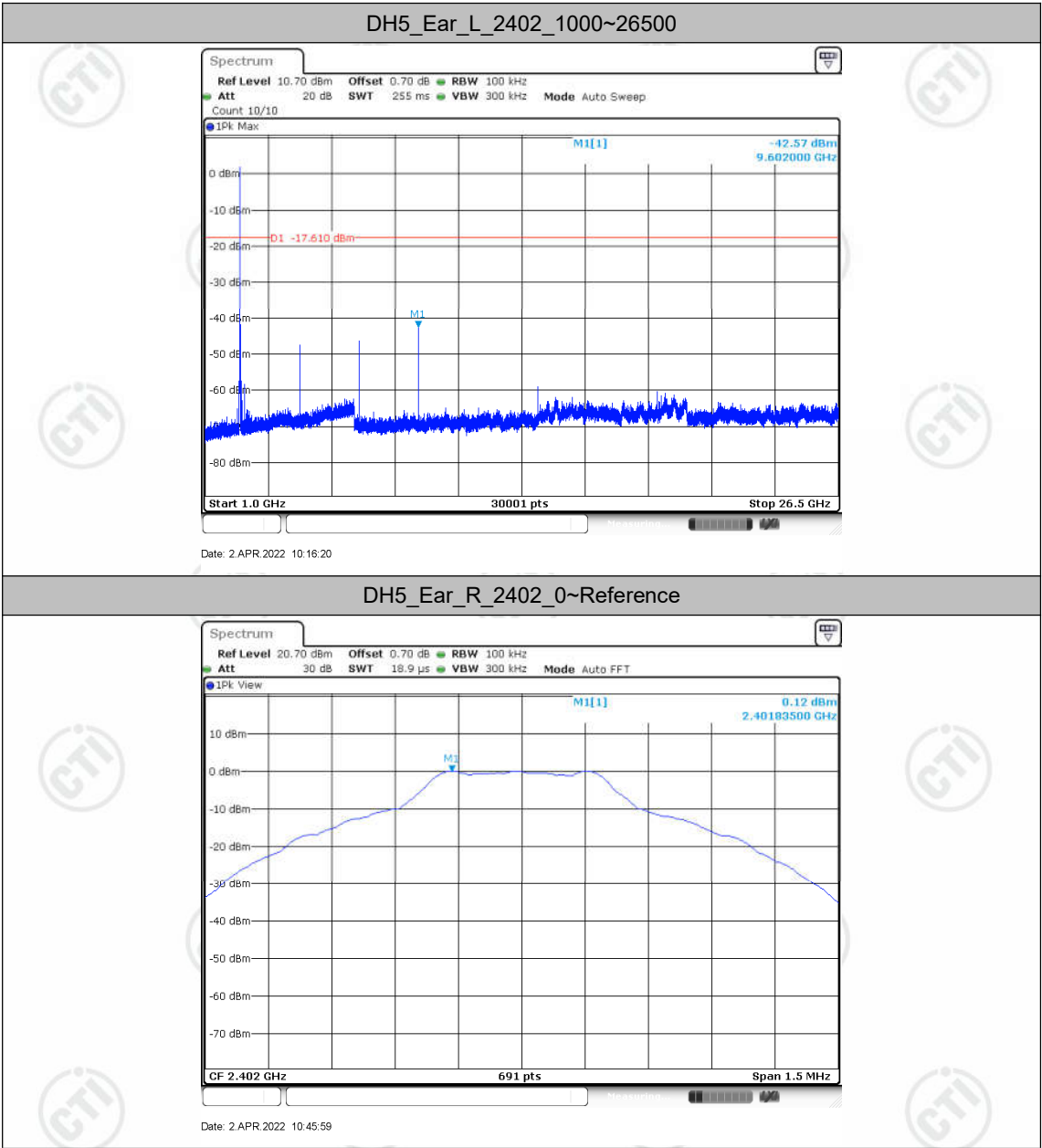
Test Result

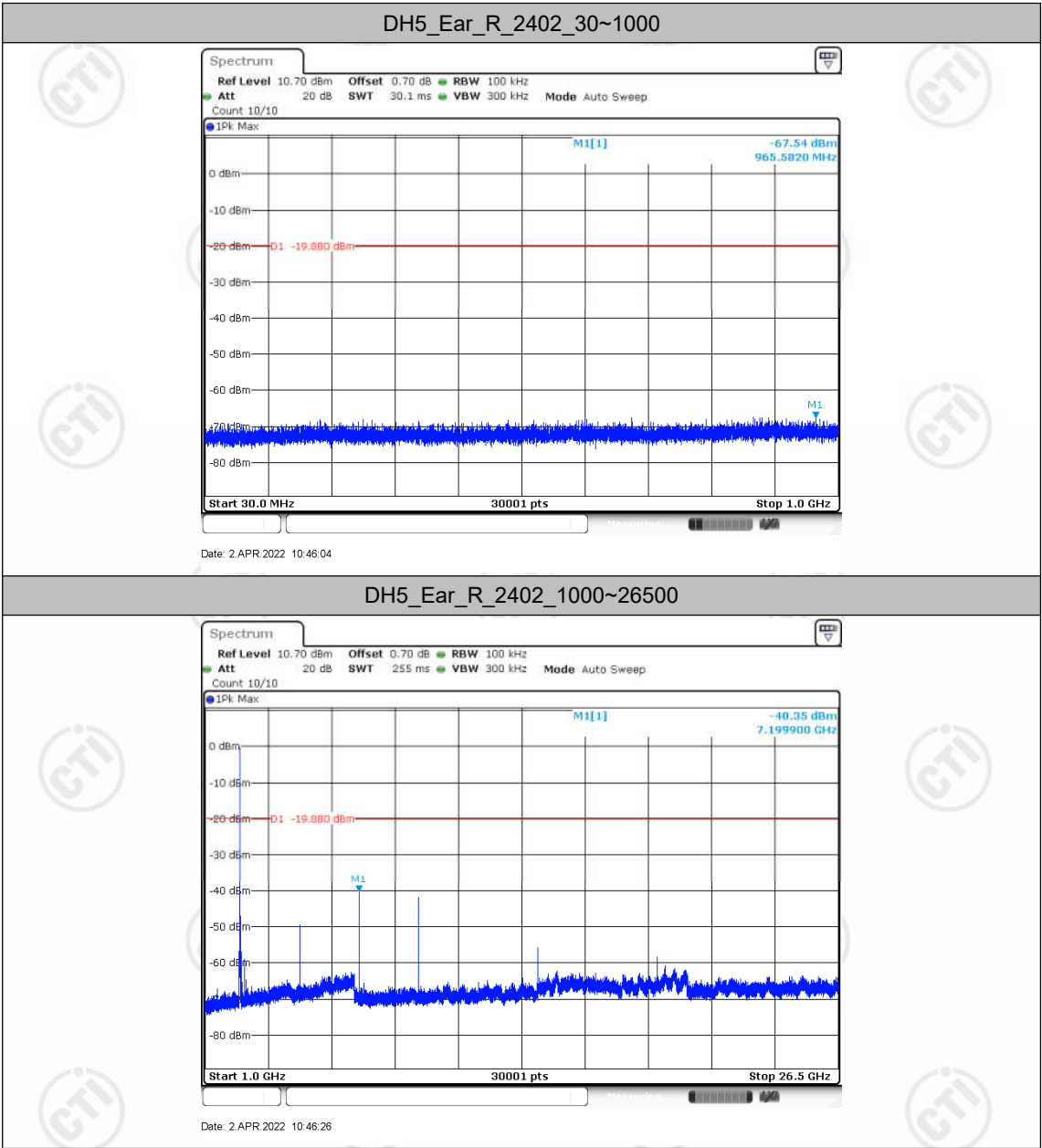
Test Mode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ear_L	2402	Reference	2.39	2.39	---	PASS
			30~1000	30~1000	-66.75	<=-17.61	PASS
			1000~26500	1000~26500	-42.57	<=-17.61	PASS
	Ear_R	2402	Reference	0.12	0.12	---	PASS
			30~1000	30~1000	-67.54	<=-19.88	PASS
			1000~26500	1000~26500	-40.35	<=-19.88	PASS
	Ear_L	2441	Reference	2.84	2.84	---	PASS
			30~1000	30~1000	-57.67	<=-17.16	PASS
			1000~26500	1000~26500	-44.43	<=-17.16	PASS
	Ear_R	2441	Reference	0.78	0.78	---	PASS
			30~1000	30~1000	-66.47	<=-19.22	PASS
			1000~26500	1000~26500	-38.44	<=-19.22	PASS
	Ear_L	2480	Reference	3.03	3.03	---	PASS
			30~1000	30~1000	-67.31	<=-16.97	PASS
			1000~26500	1000~26500	-43.82	<=-16.97	PASS
	Ear_R	2480	Reference	1.28	1.28	---	PASS
			30~1000	30~1000	-67.41	<=-18.72	PASS
			1000~26500	1000~26500	-37.14	<=-18.72	PASS
2DH5	Ear_L	2402	Reference	2.49	2.49	---	PASS
			30~1000	30~1000	-67.08	<=-17.51	PASS
			1000~26500	1000~26500	-42.46	<=-17.51	PASS
	Ear_R	2402	Reference	0.21	0.21	---	PASS
			30~1000	30~1000	-67.03	<=-19.79	PASS
			1000~26500	1000~26500	-42.1	<=-19.79	PASS
	Ear_L	2441	Reference	2.95	2.95	---	PASS
			30~1000	30~1000	-67.79	<=-17.05	PASS
			1000~26500	1000~26500	-44.41	<=-17.05	PASS
	Ear_R	2441	Reference	0.87	0.87	---	PASS
			30~1000	30~1000	-66.95	<=-19.13	PASS
			1000~26500	1000~26500	-39.19	<=-19.13	PASS
	Ear_L	2480	Reference	3.14	3.14	---	PASS
			30~1000	30~1000	-67.96	<=-16.86	PASS
			1000~26500	1000~26500	-44.15	<=-16.86	PASS
	Ear_R	2480	Reference	1.37	1.37	---	PASS
			30~1000	30~1000	-67.3	<=-18.63	PASS

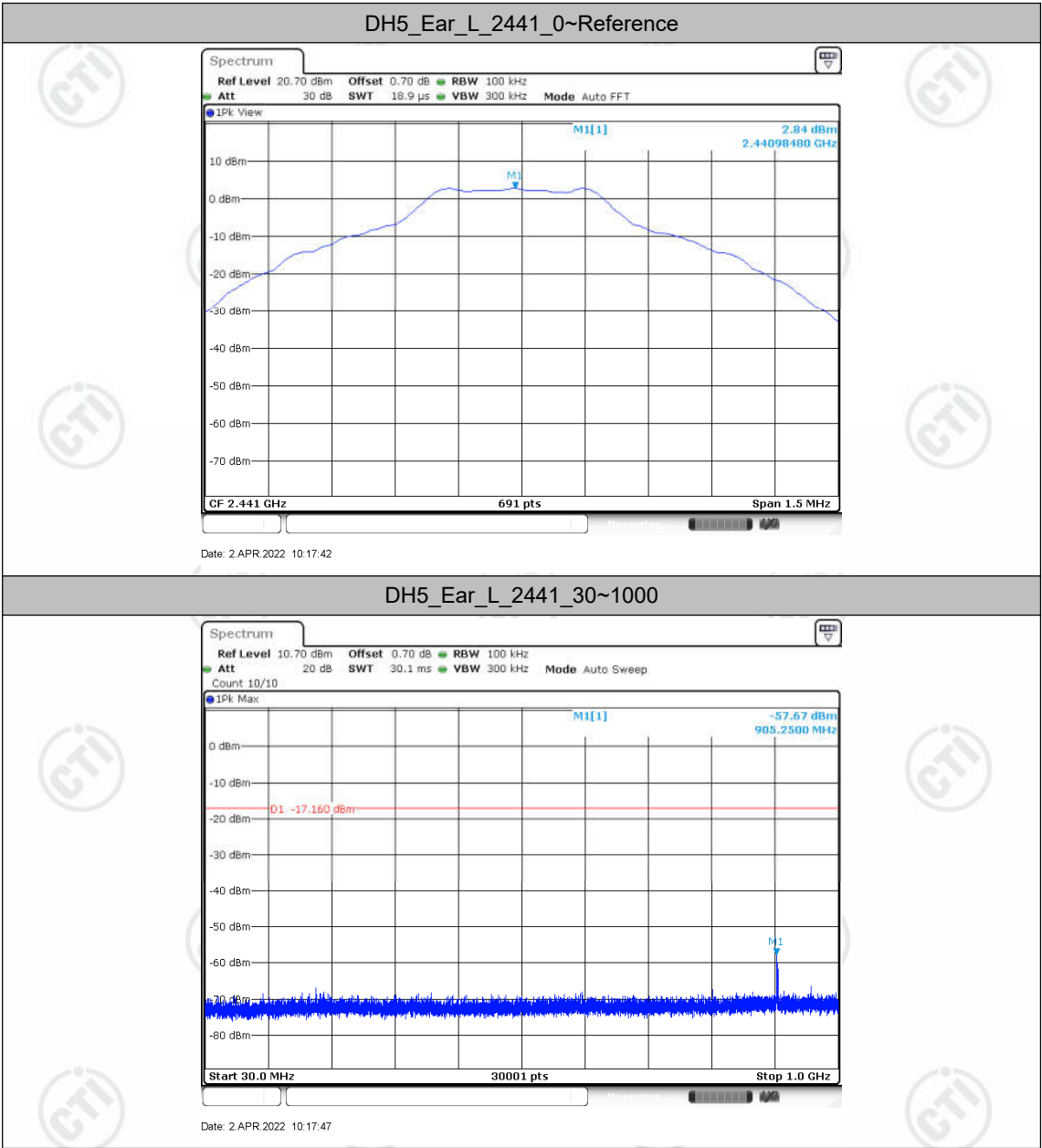
			1000~26500	1000~26500	-37.06	<=-18.63	PASS
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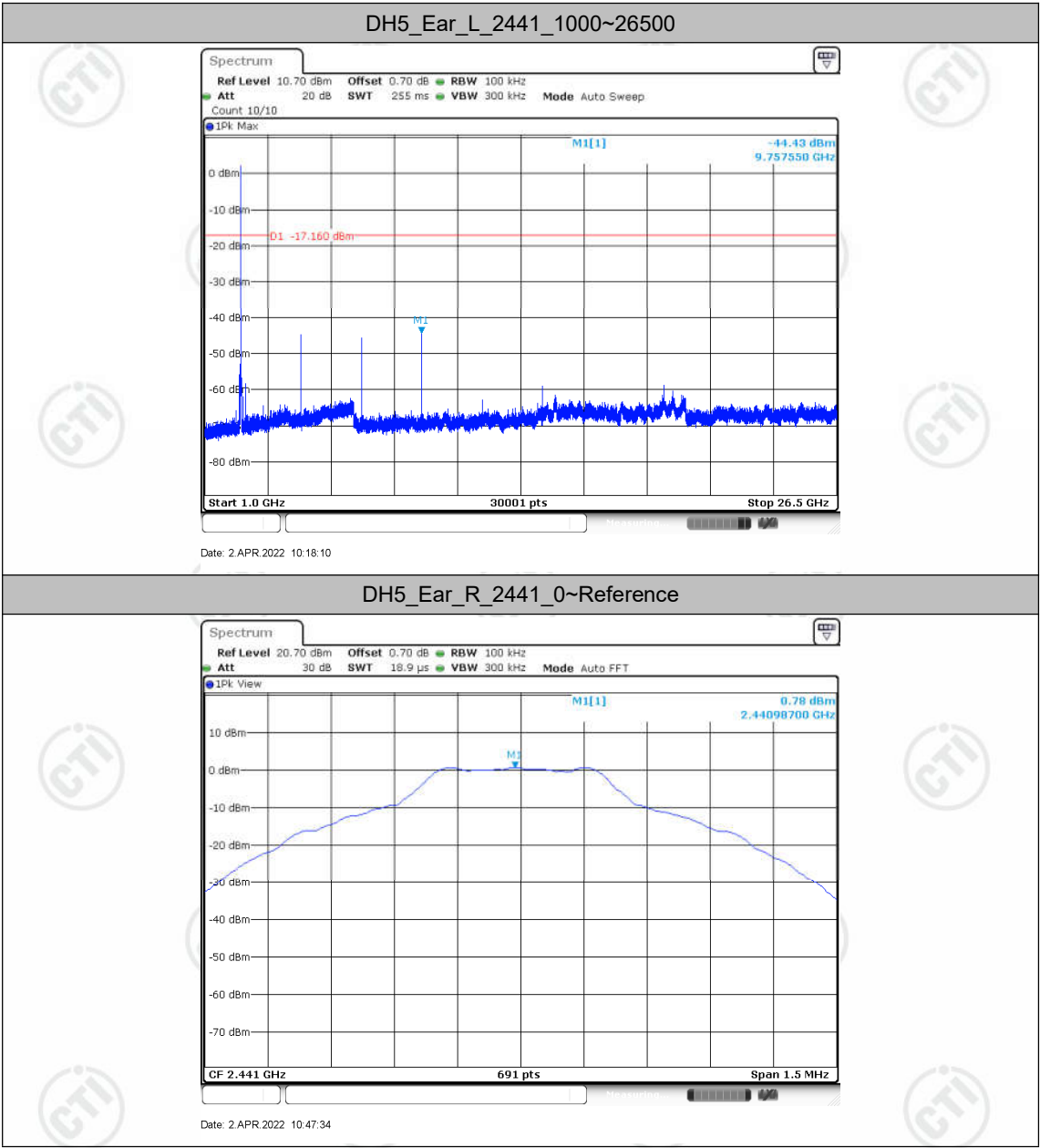
Test Graphs

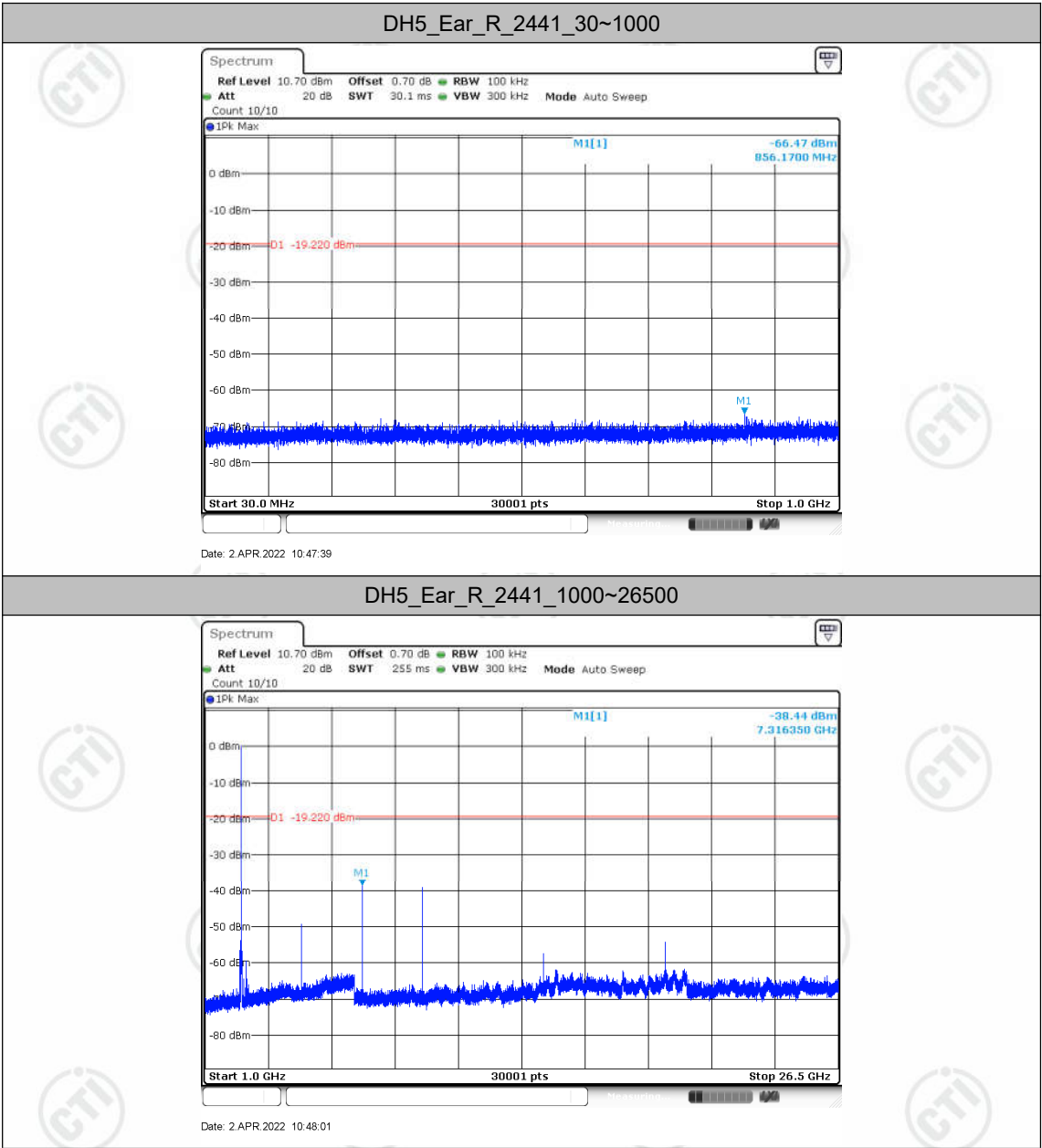


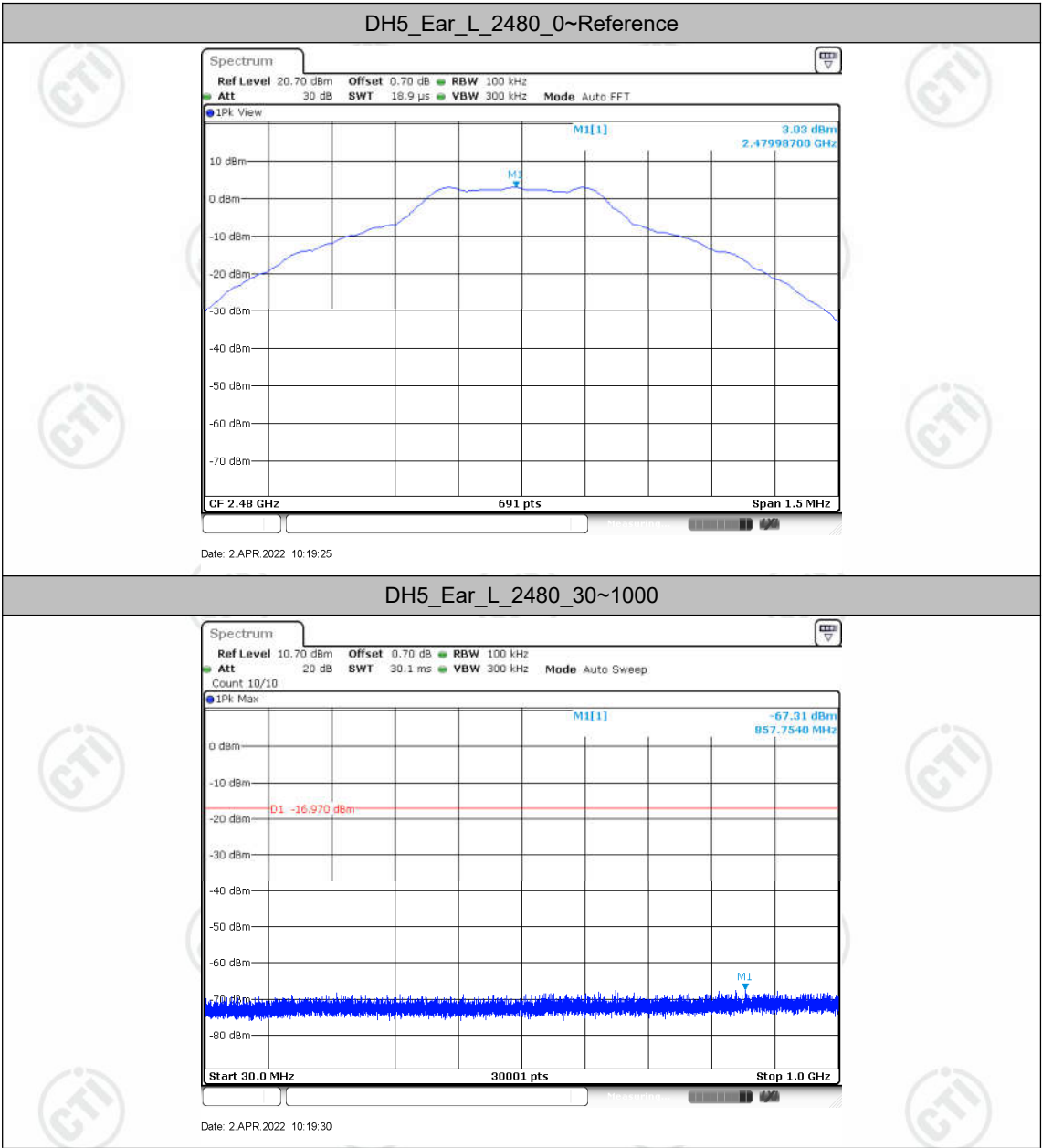


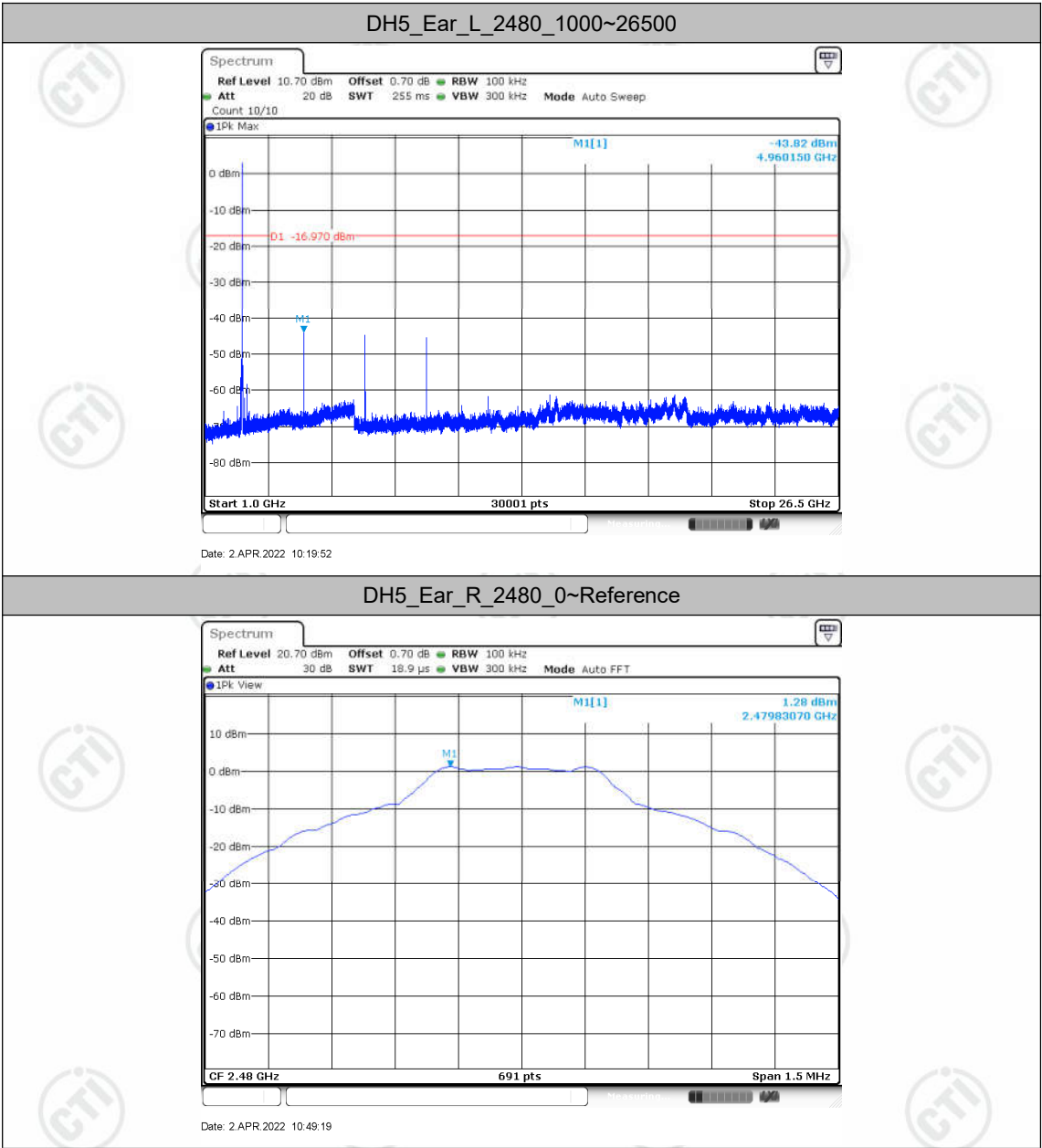


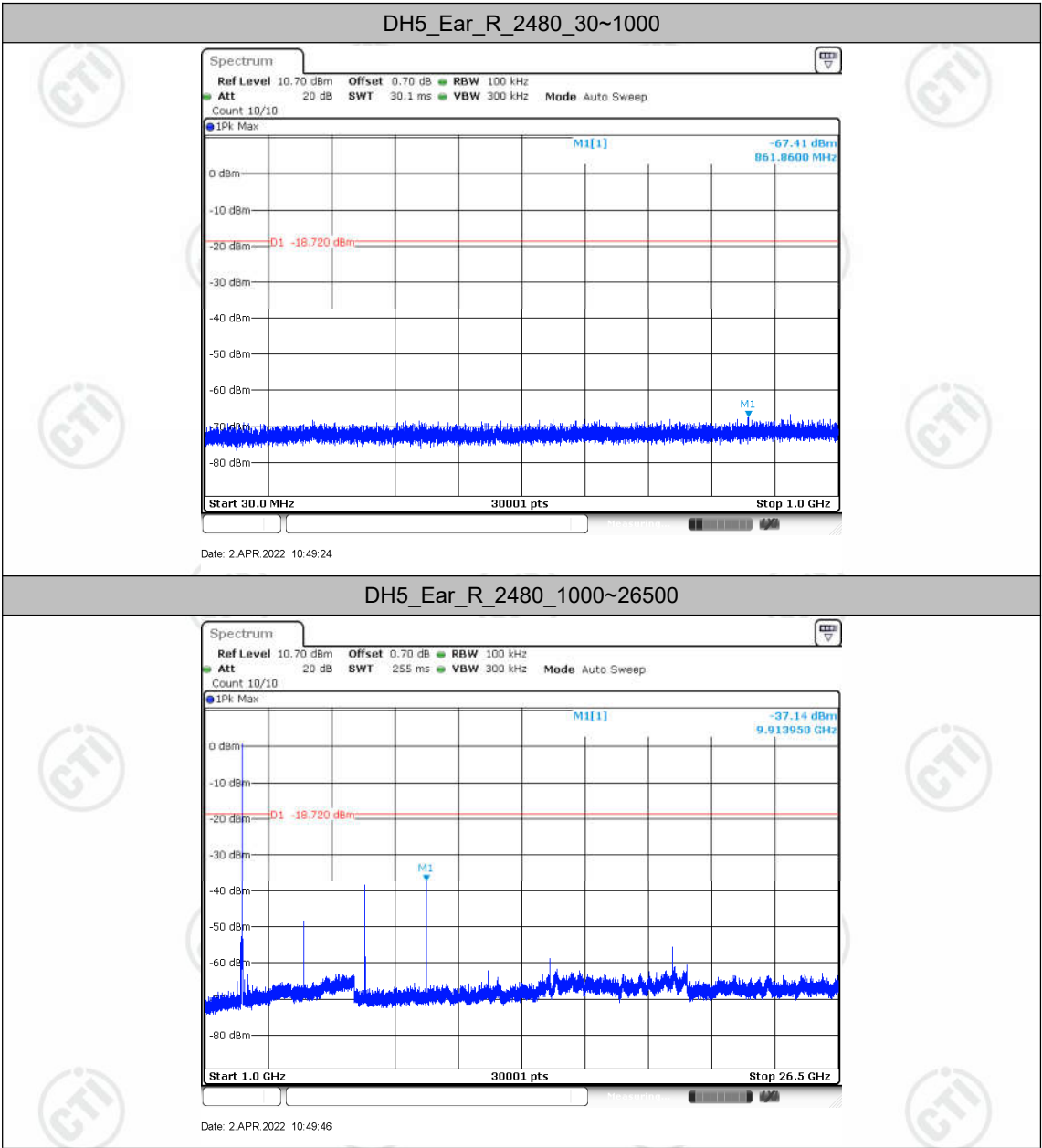


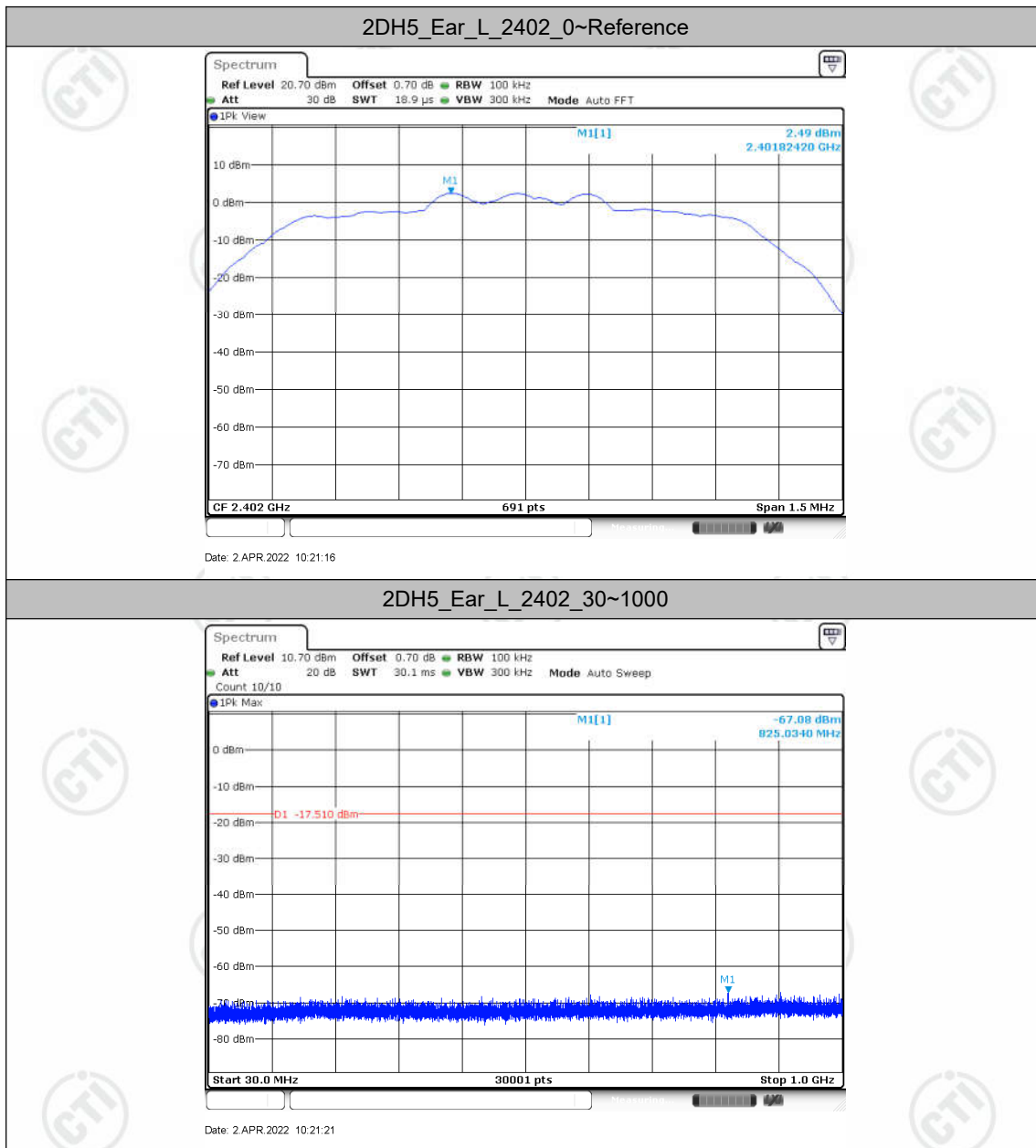


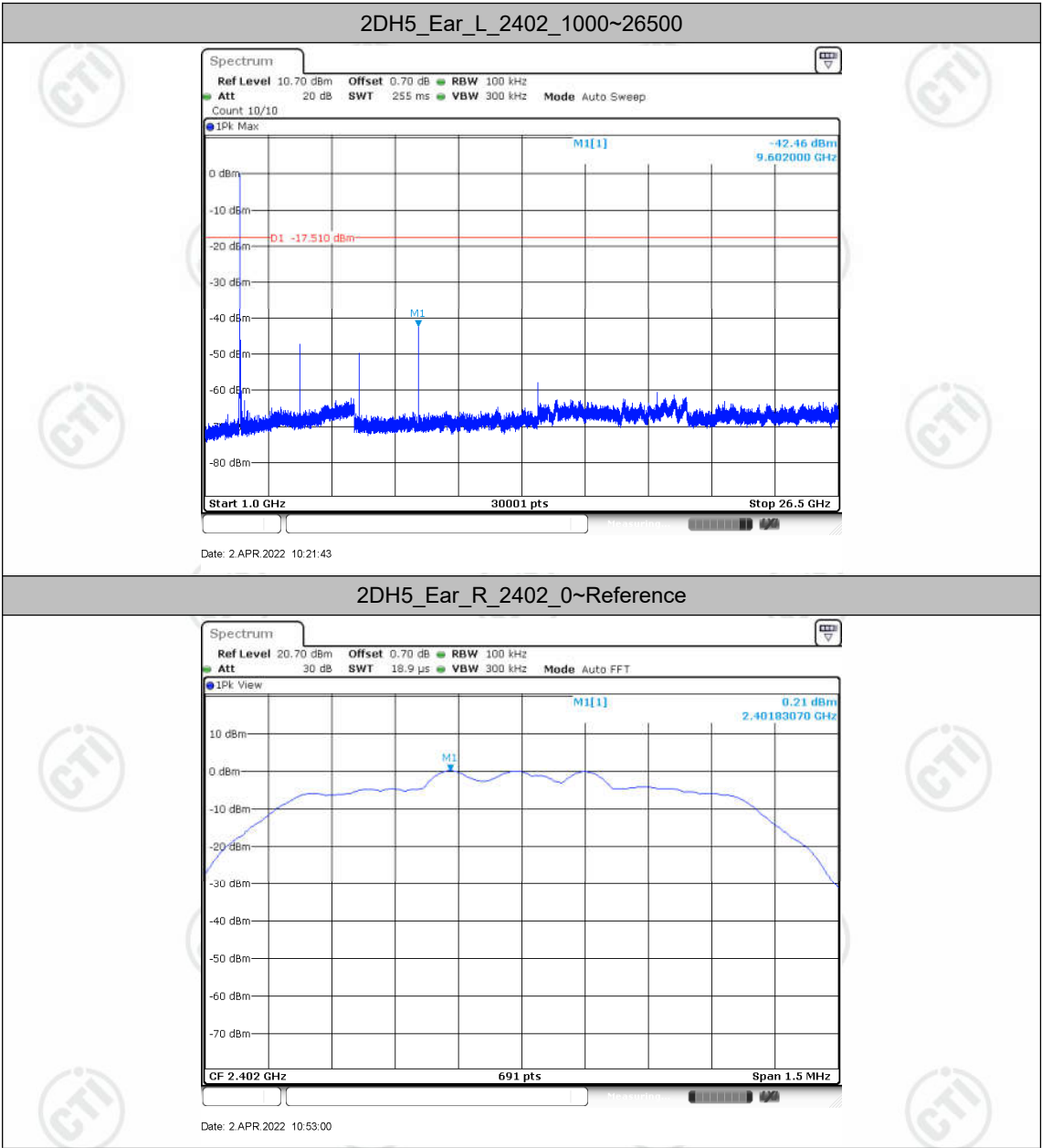


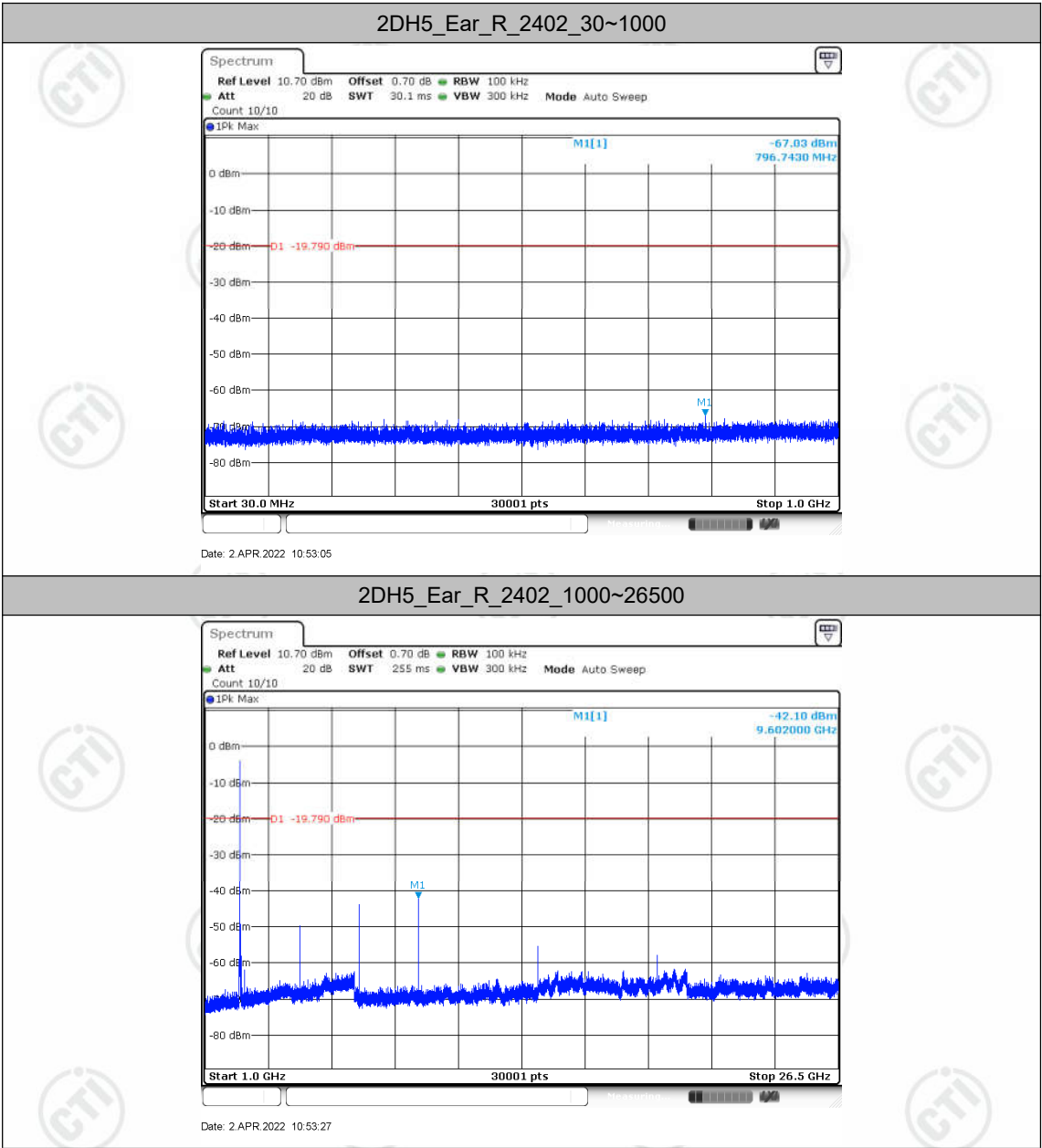


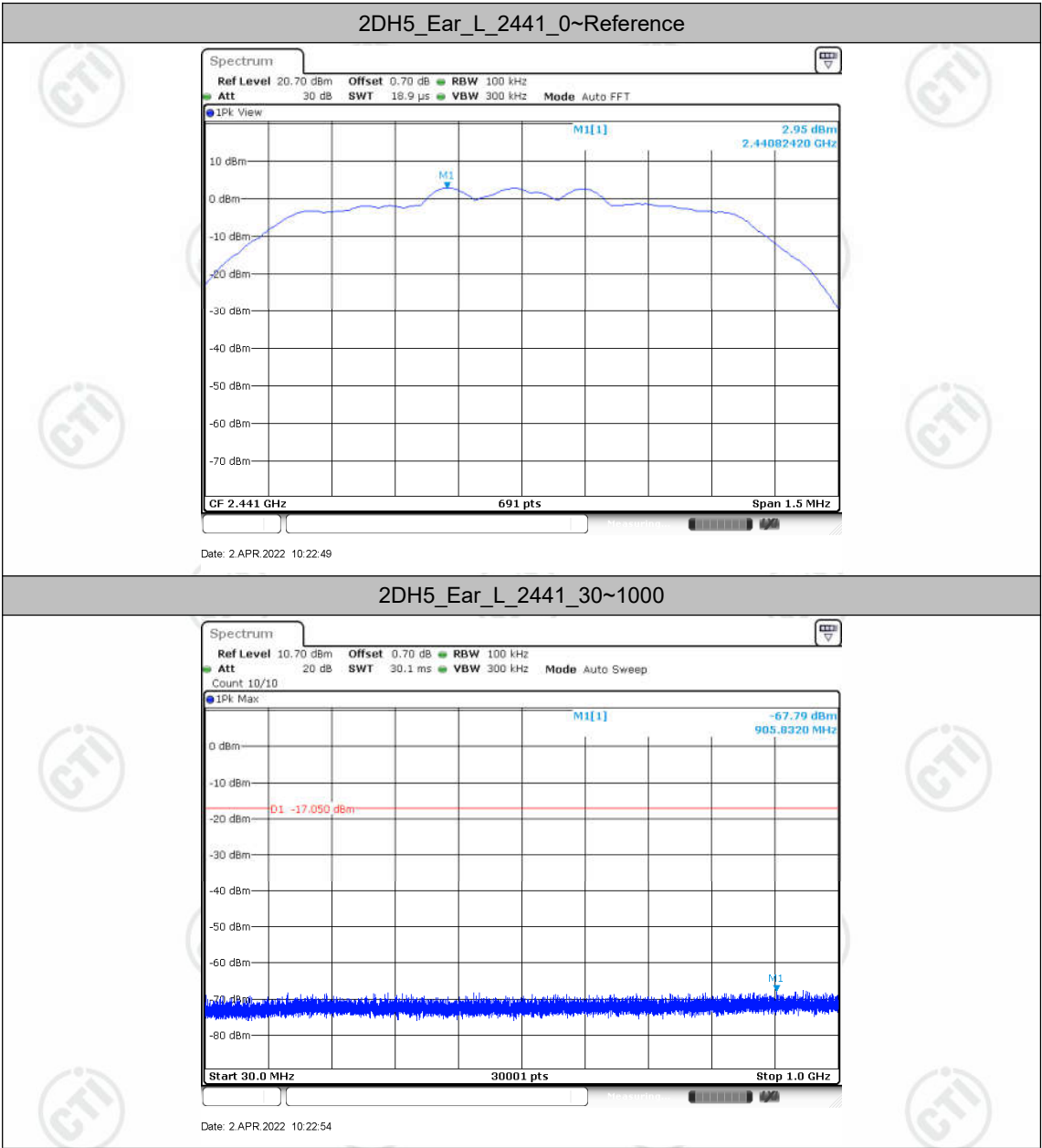


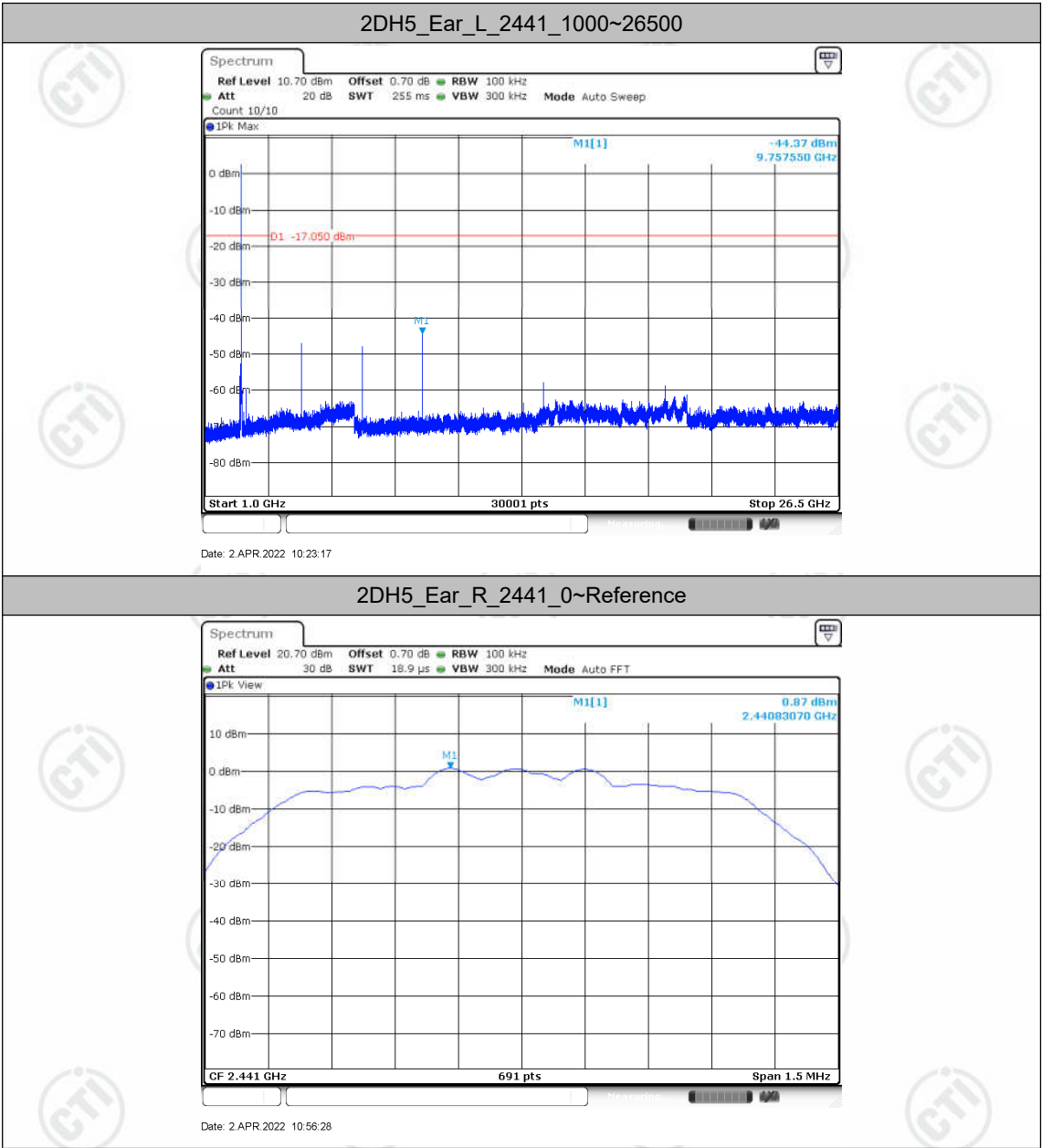


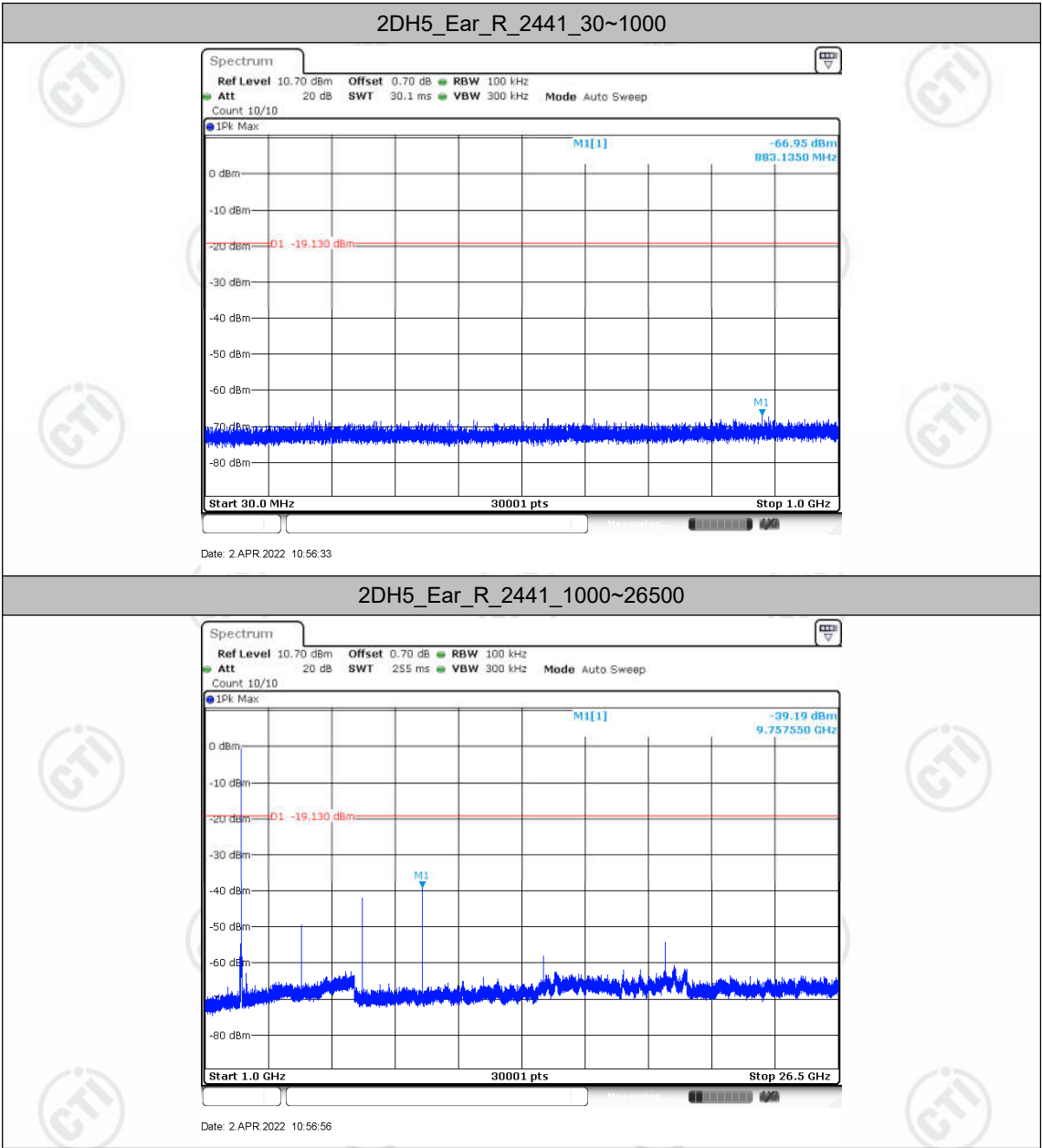


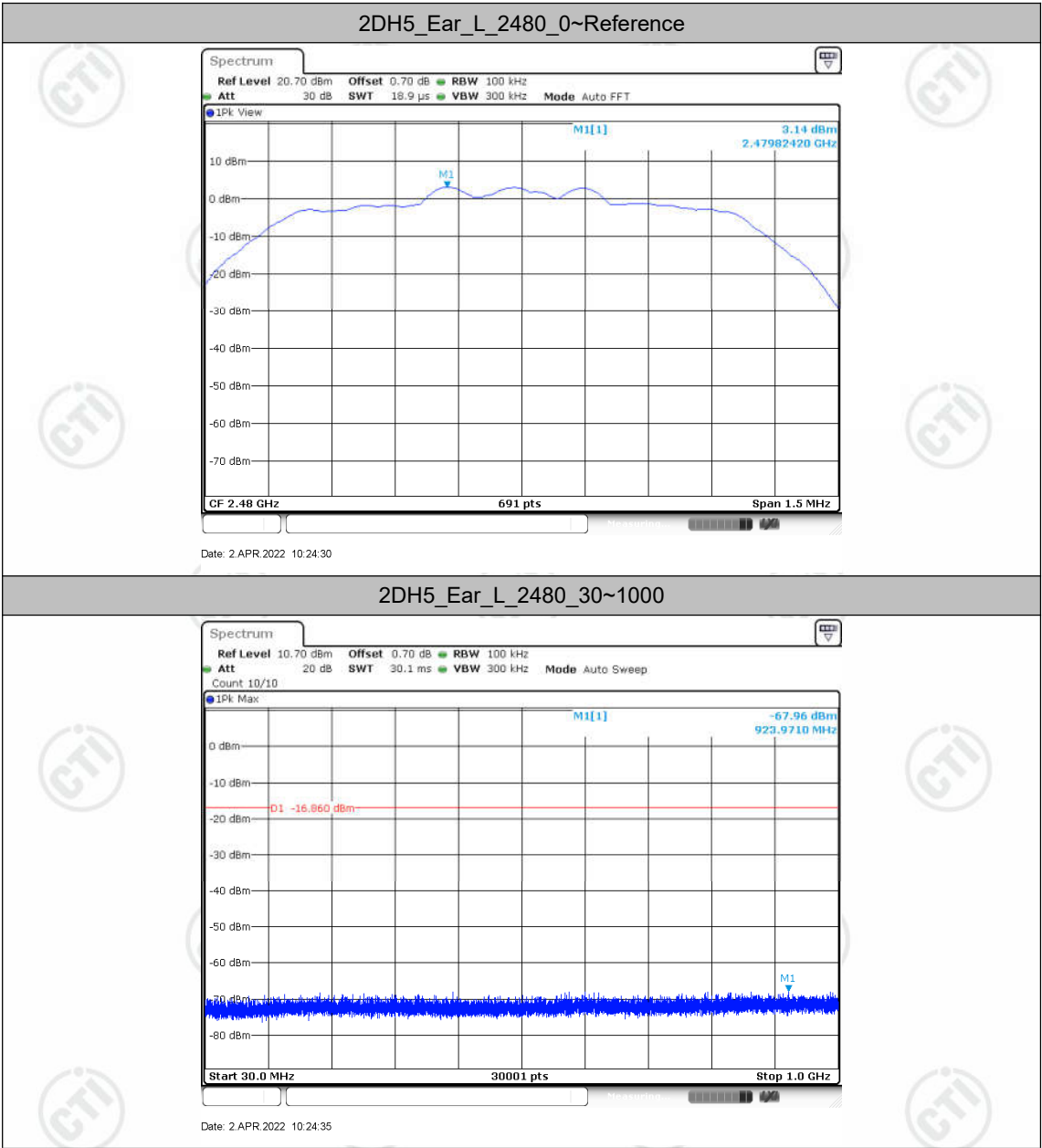


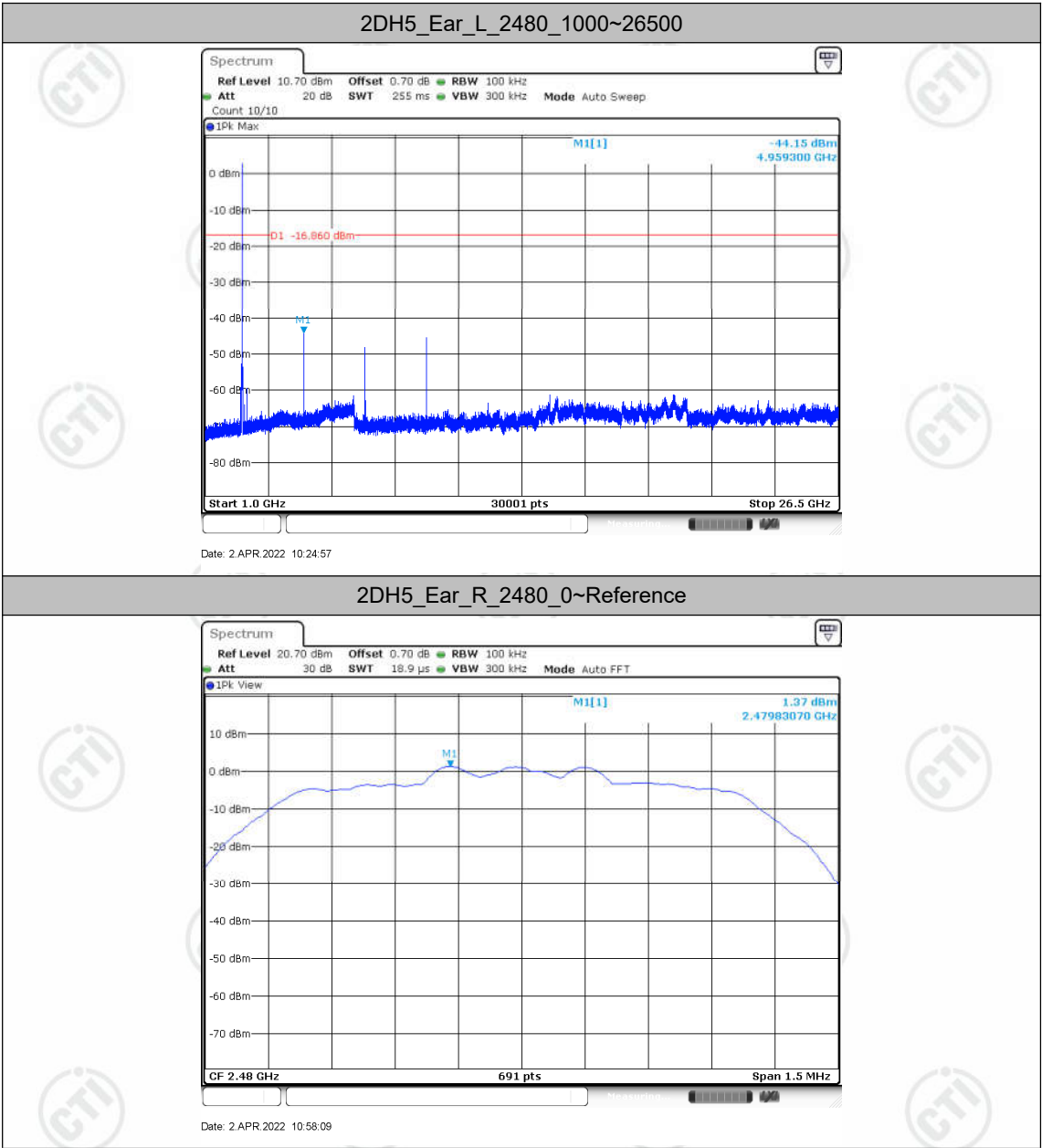


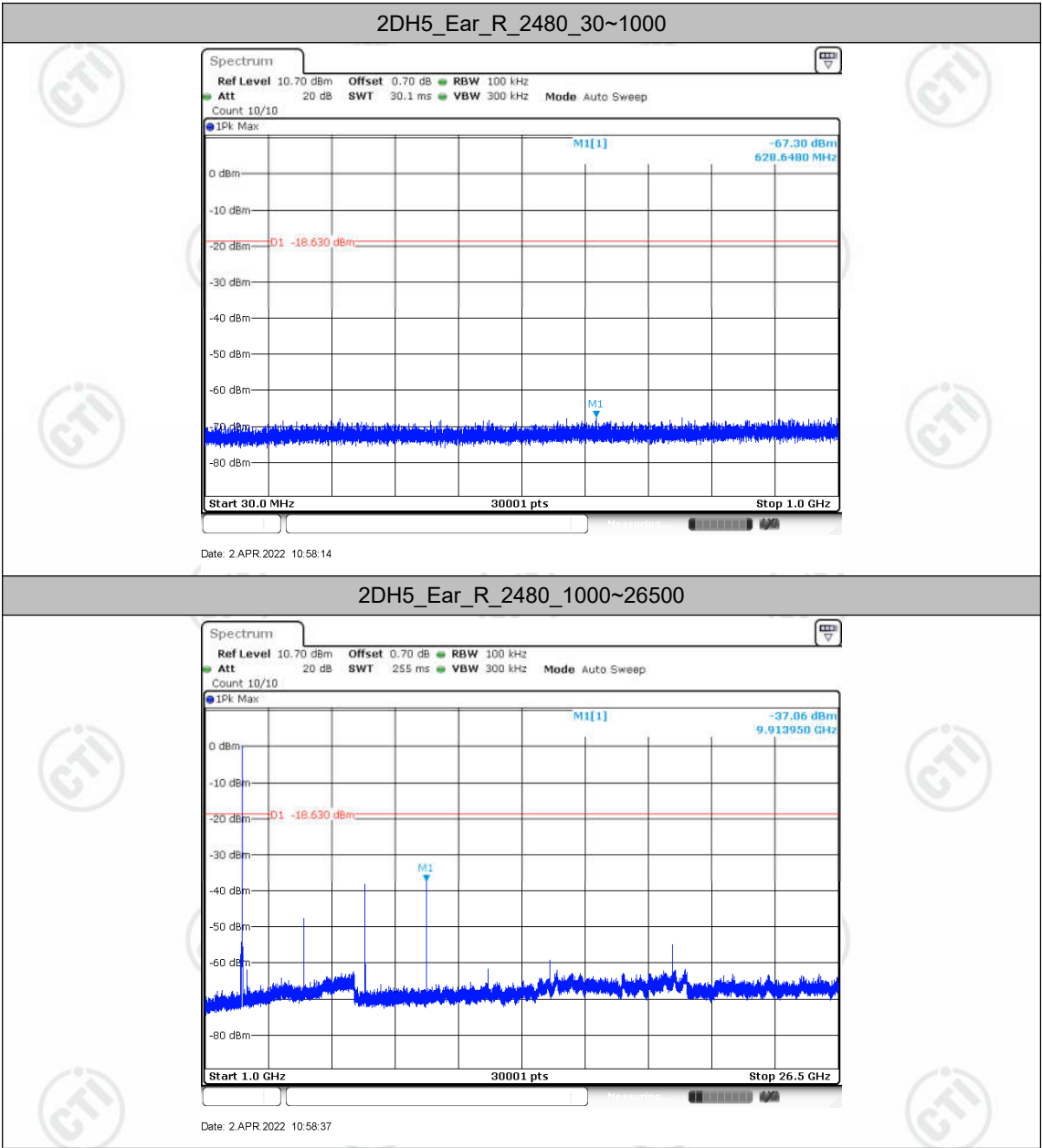










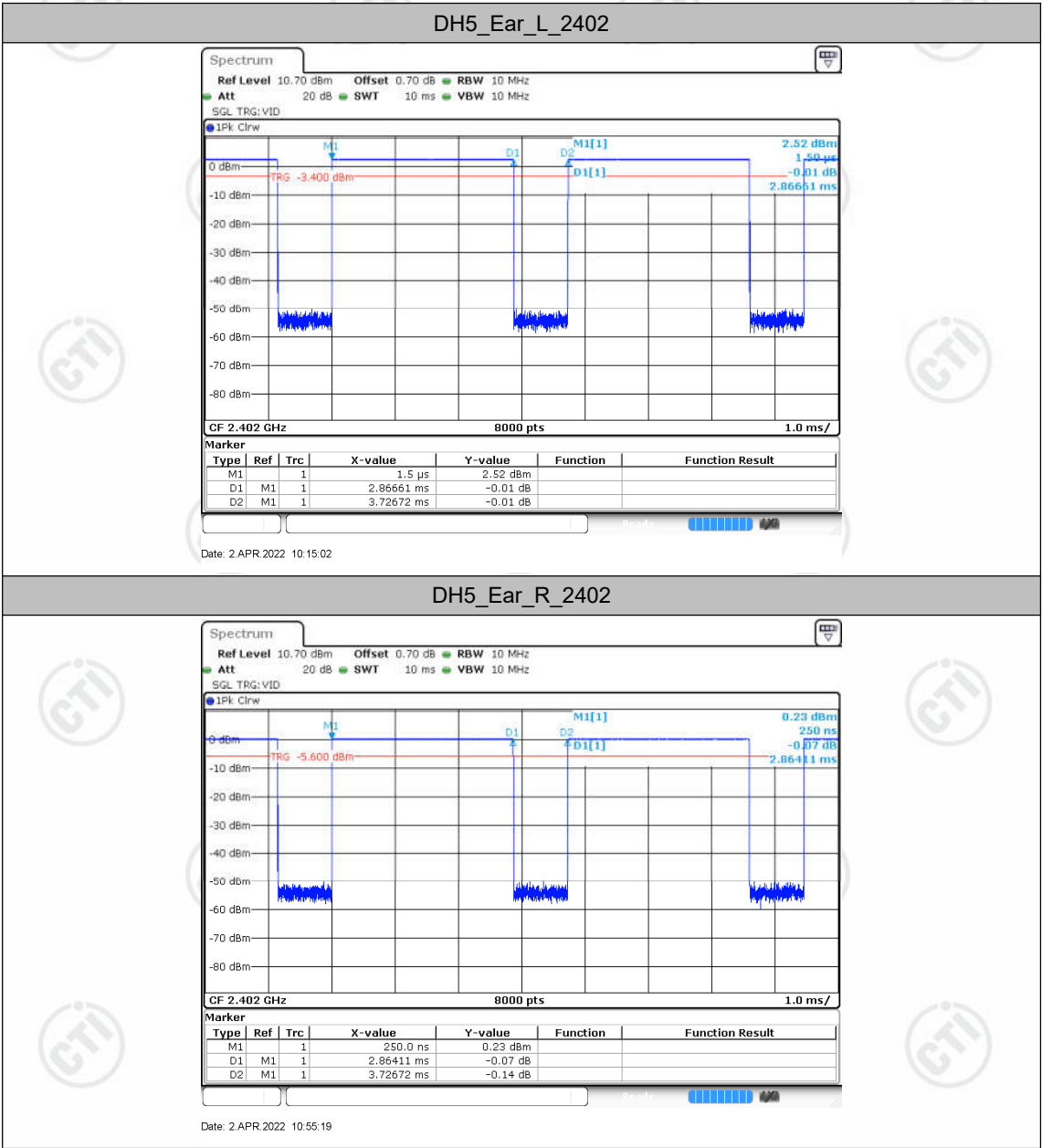


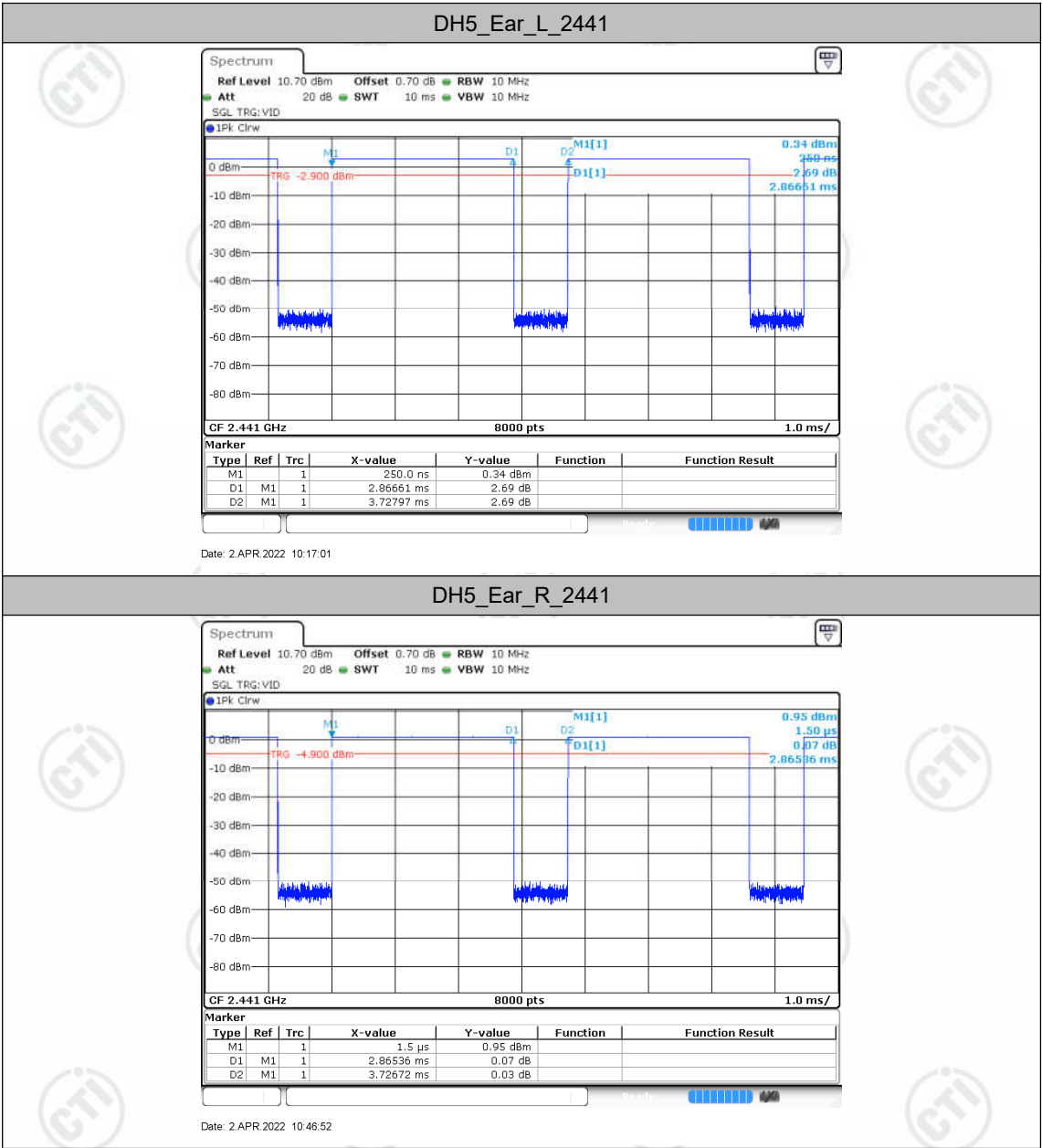
Appendix I: Duty Cycle

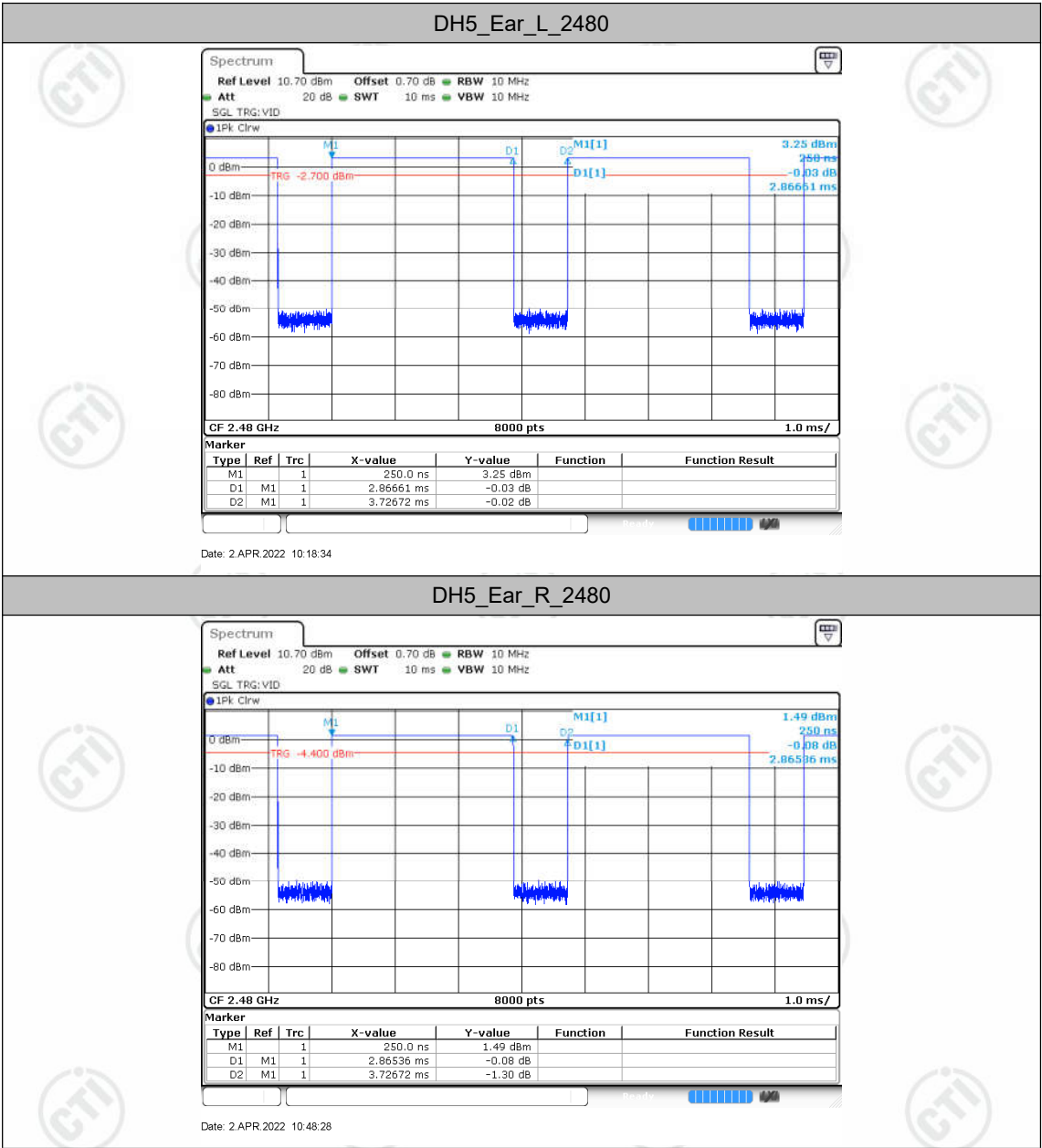
Test Result

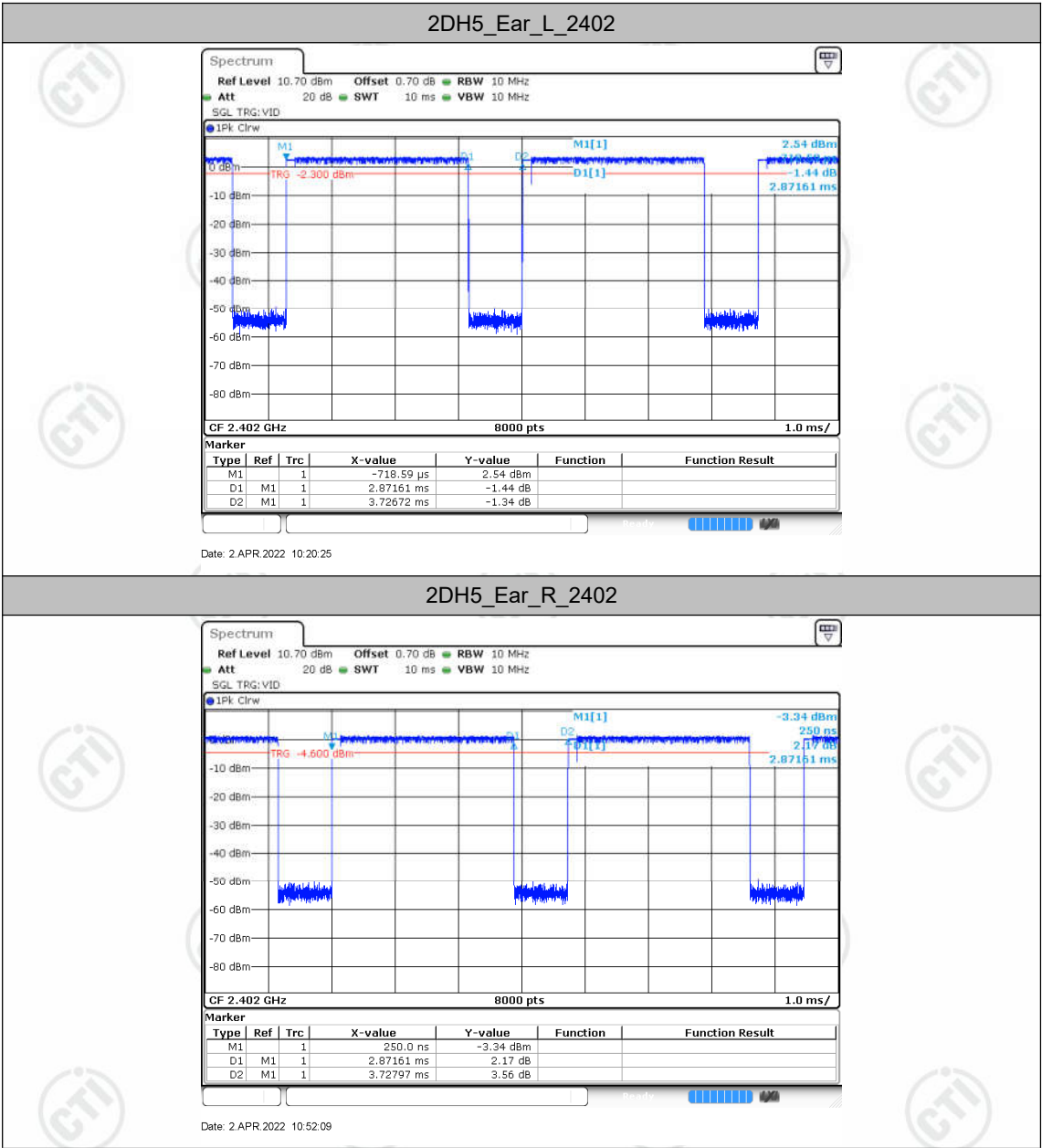
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ear_L	2402	2.87	3.73	76.92	---	PASS
	Ear_R	2402	2.86	3.73	76.85	---	PASS
	Ear_L	2441	2.87	3.73	76.89	---	PASS
	Ear_R	2441	2.87	3.73	76.89	---	PASS
	Ear_L	2480	2.87	3.73	76.92	---	PASS
	Ear_R	2480	2.87	3.73	76.89	---	PASS
2DH5	Ear_L	2402	2.87	3.73	77.05	---	PASS
	Ear_R	2402	2.87	3.73	77.03	---	PASS
	Ear_L	2441	2.87	3.73	77.05	---	PASS
	Ear_R	2441	2.87	3.73	77.03	---	PASS
	Ear_L	2480	2.87	3.73	77.05	---	PASS
	Ear_R	2480	2.87	3.73	77.05	---	PASS

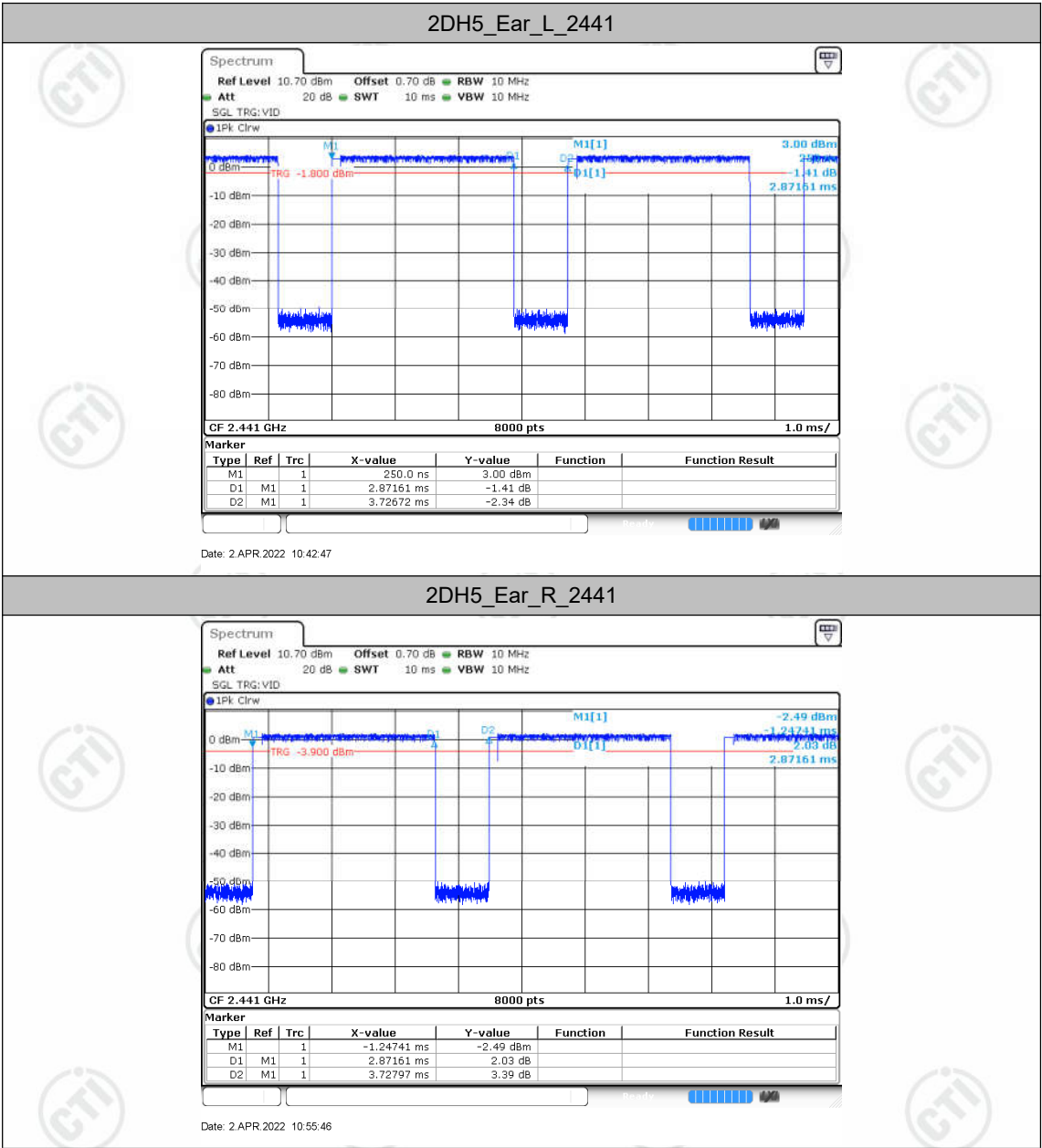
Test Graphs

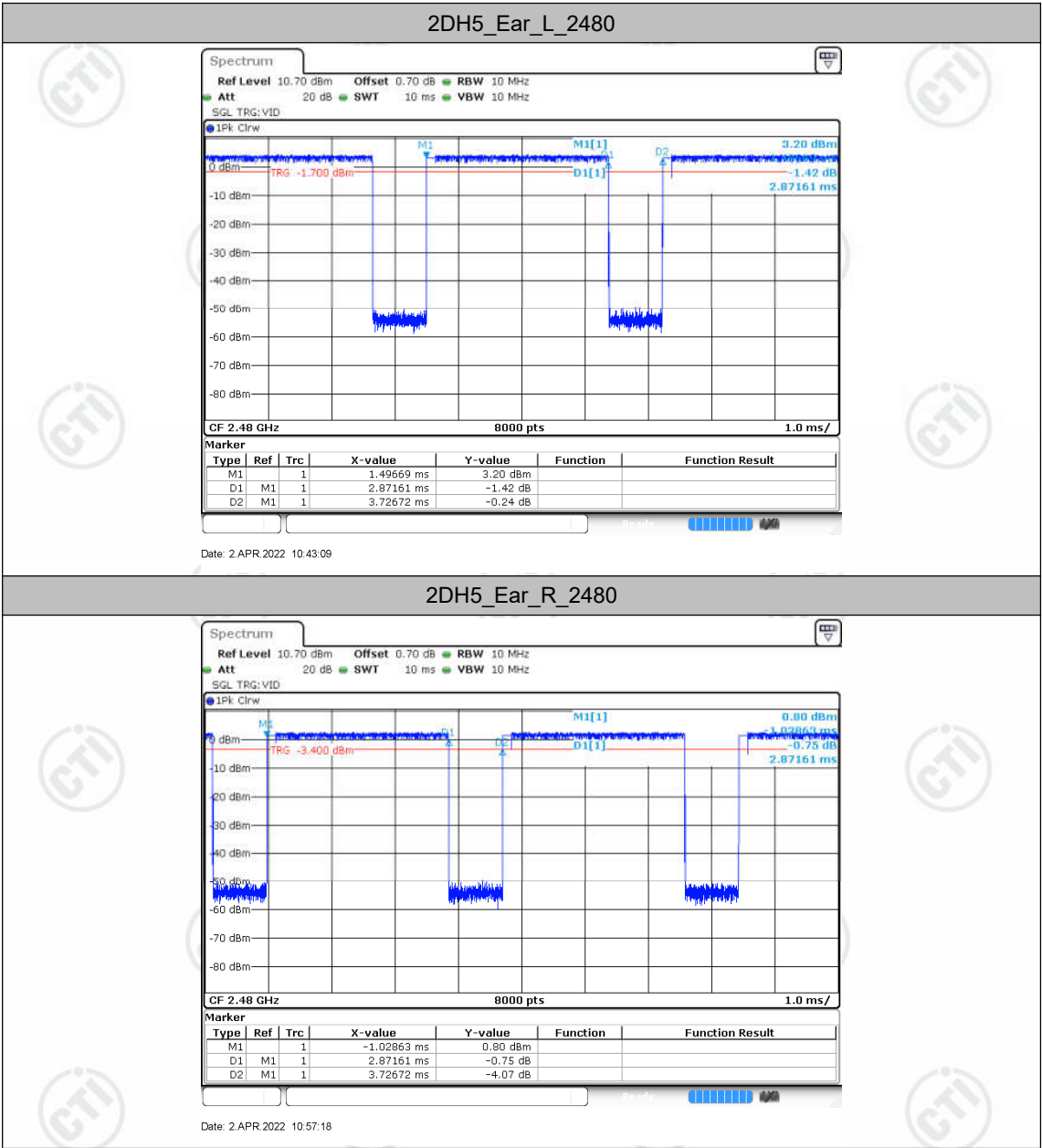












*** End of Report ***