

Appendix Test Data

Report No.:	18220WC40097101	Test Sample No.:	1-2-2
Start Test Date:	2024.5.17	Finish Test Date:	2024.6.13
Test Engineer:	Joker Wang	Auditor:	Justin Feng
Temperature:	25.7℃	Relative Humidity:	47%
Pressure:	101kPa		

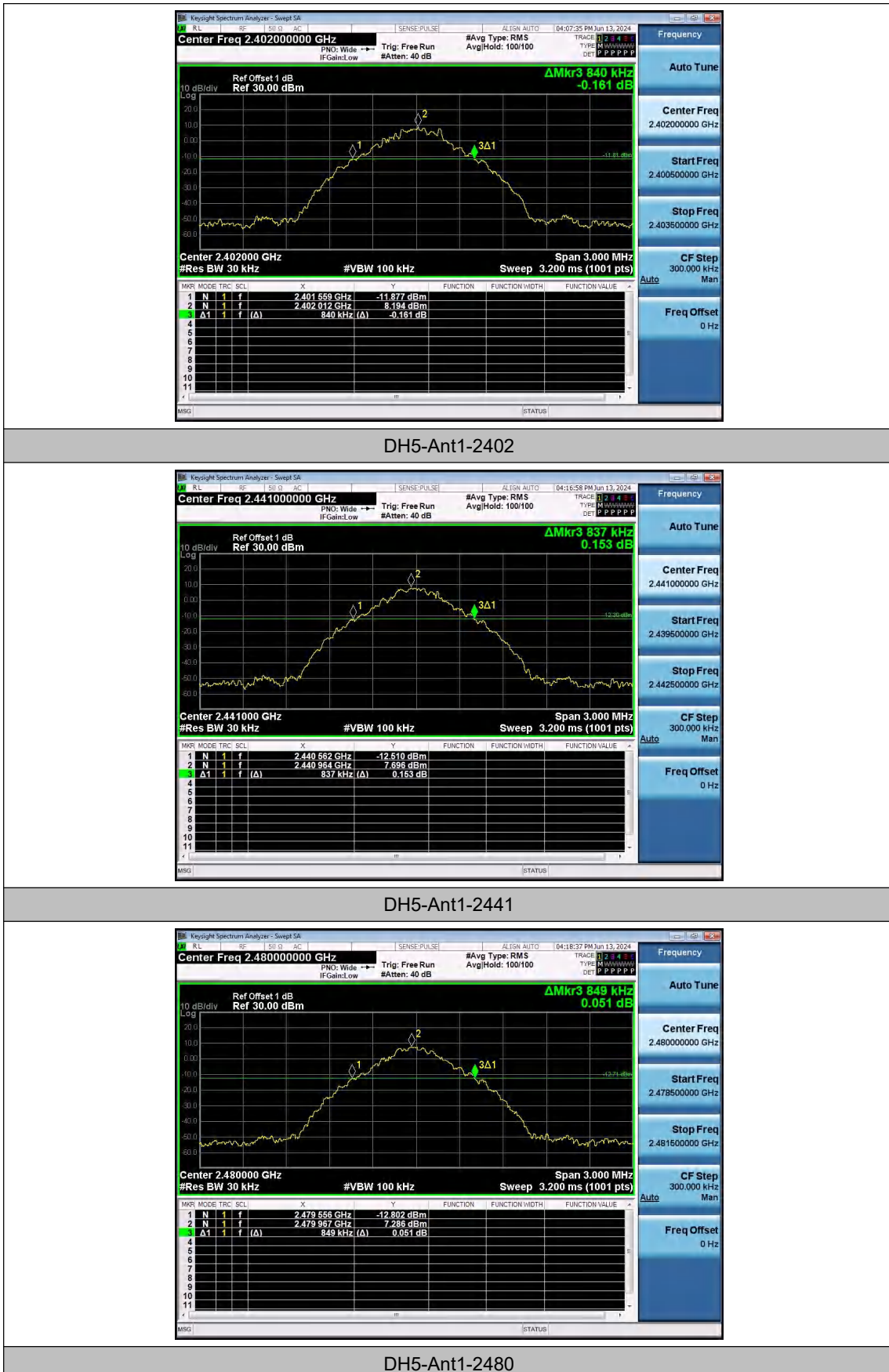
Appendix A: 20dB Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.840	2401.559	2402.399	---	---
DH5	Ant1	2441	0.837	2440.562	2441.399	---	---
DH5	Ant1	2480	0.849	2479.556	2480.405	---	---
2DH5	Ant1	2402	1.281	2401.355	2402.636	---	---
2DH5	Ant1	2441	1.269	2440.364	2441.633	---	---
2DH5	Ant1	2480	1.293	2479.352	2480.645	---	---
3DH5	Ant1	2402	1.284	2401.355	2402.639	---	---
3DH5	Ant1	2441	1.266	2440.355	2441.621	---	---
3DH5	Ant1	2480	1.275	2479.349	2480.624	---	---



Test Graphs

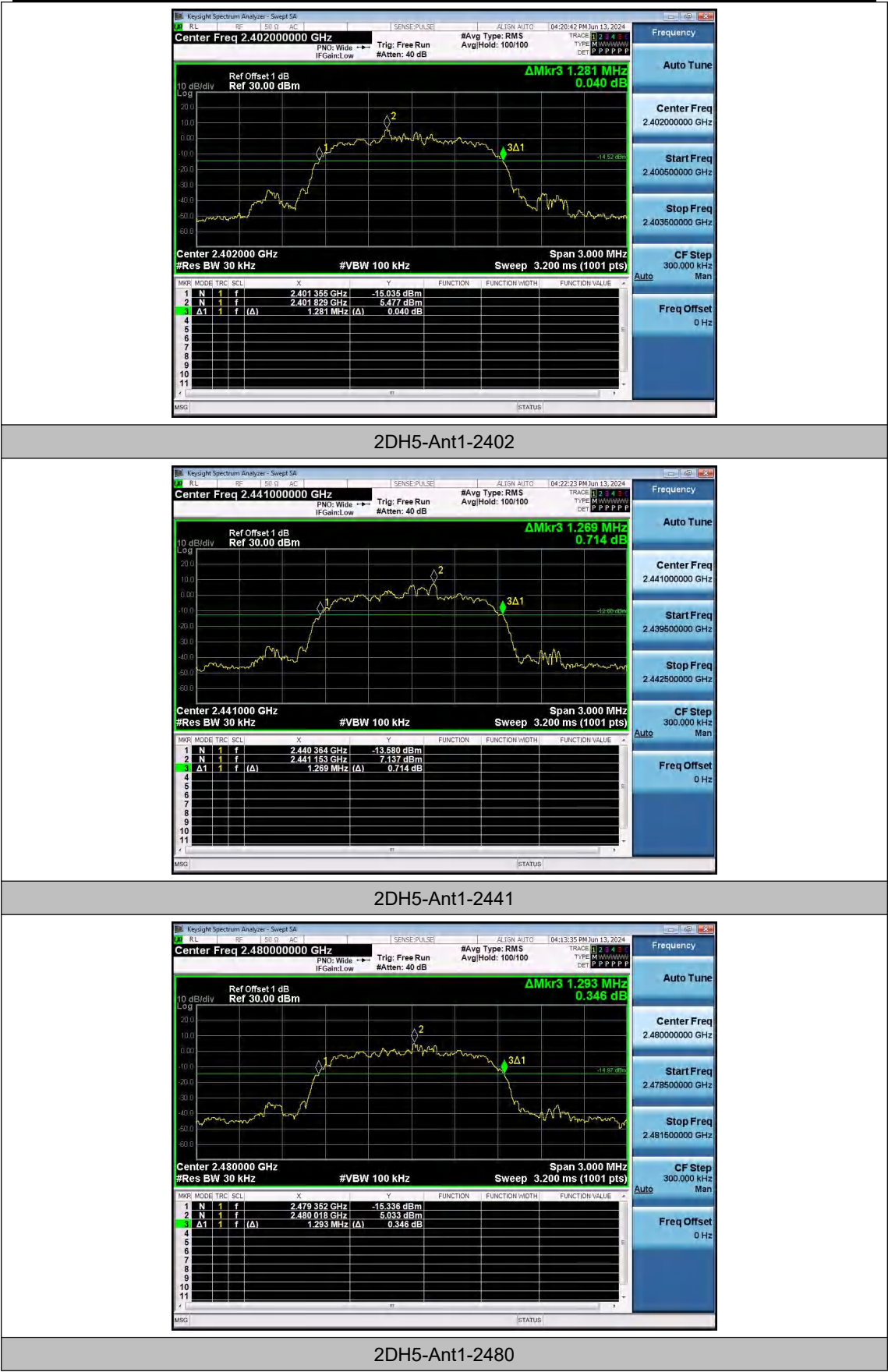


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3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.74800	2401.6253	2402.3733	---	---
DH5	Ant1	2441	0.75770	2440.6145	2441.3722	---	---
DH5	Ant1	2480	0.75035	2479.6178	2480.3682	---	---
2DH5	Ant1	2402	1.1630	2401.4071	2402.5701	---	---
2DH5	Ant1	2441	1.1640	2440.4066	2441.5706	---	---
2DH5	Ant1	2480	1.1654	2479.4079	2480.5733	---	---
3DH5	Ant1	2402	1.1742	2401.4029	2402.5771	---	---
3DH5	Ant1	2441	1.1680	2440.4077	2441.5757	---	---
3DH5	Ant1	2480	1.1861	2479.3971	2480.5832	---	---

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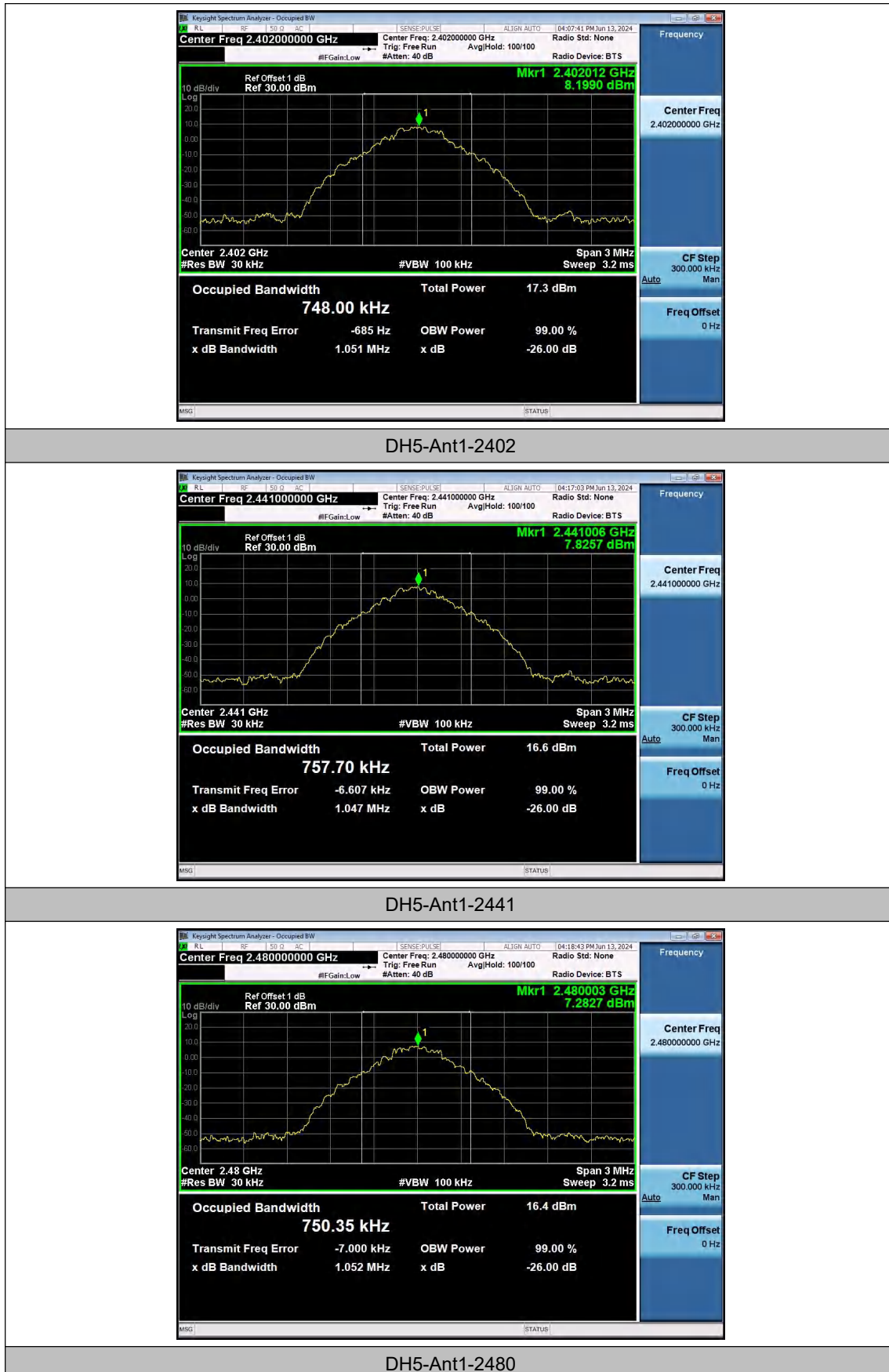
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Test Graphs

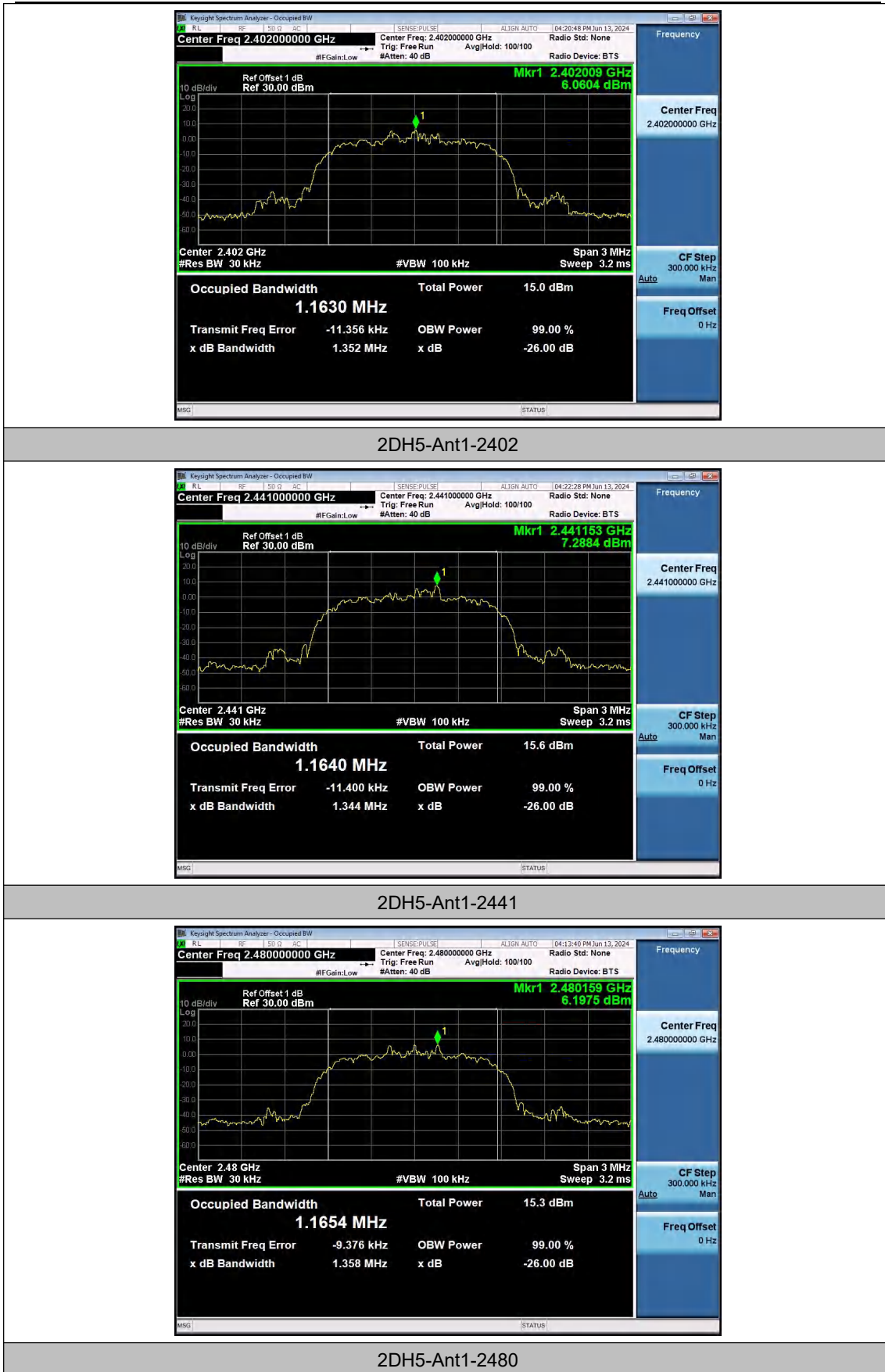


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3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



Appendix C: Maximum Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	10.92	≤20.97	PASS
DH5	Ant1	2441	10.41	≤20.97	PASS
DH5	Ant1	2480	10.06	≤20.97	PASS
2DH5	Ant1	2402	9.93	≤20.97	PASS
2DH5	Ant1	2441	10.49	≤20.97	PASS
2DH5	Ant1	2480	10.13	≤20.97	PASS
3DH5	Ant1	2402	10.02	≤20.97	PASS
3DH5	Ant1	2441	10.52	≤20.97	PASS
3DH5	Ant1	2480	10.16	≤20.97	PASS

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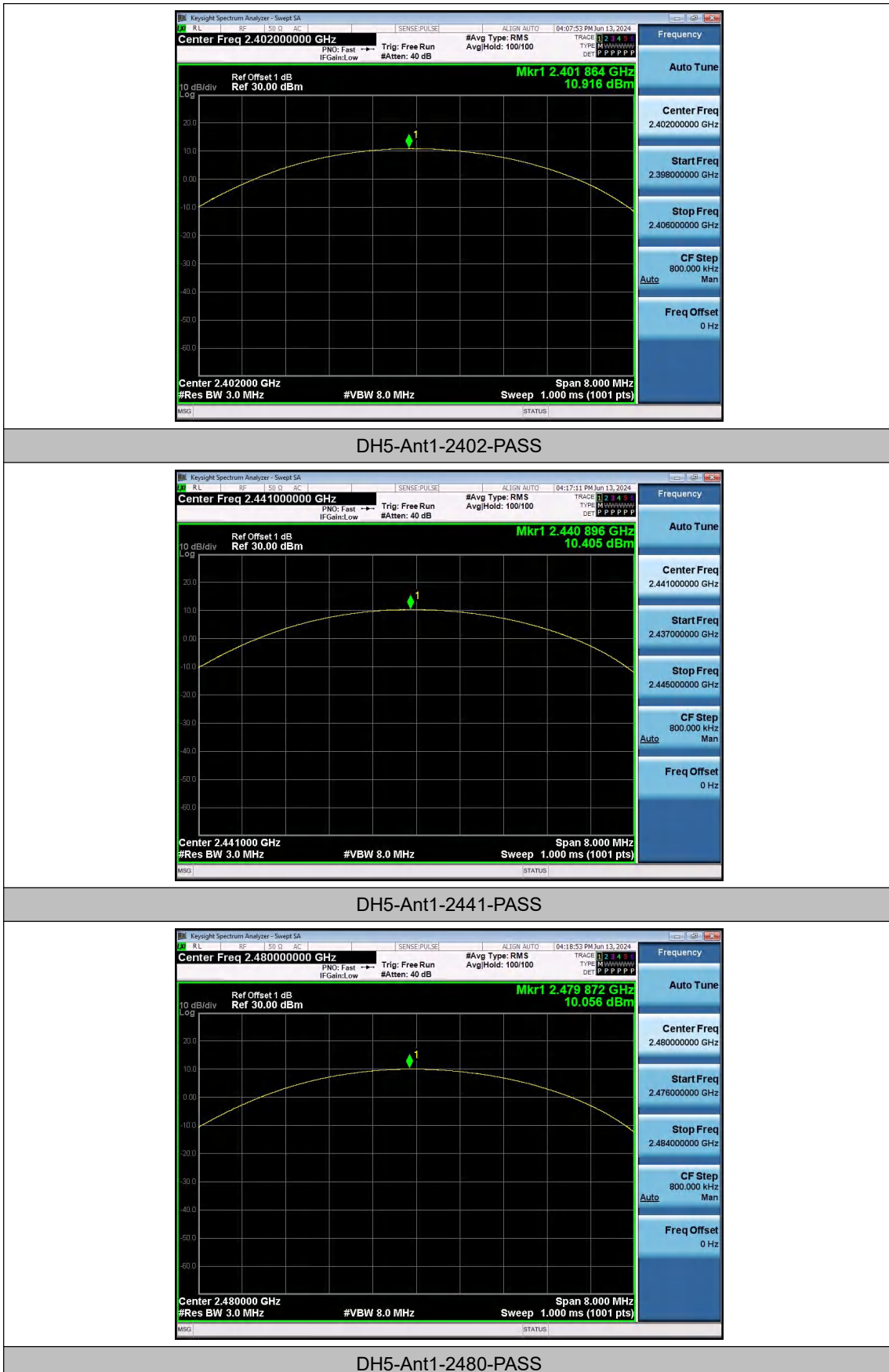
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Test Graphs



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2DH5-Ant1-2402-PASS

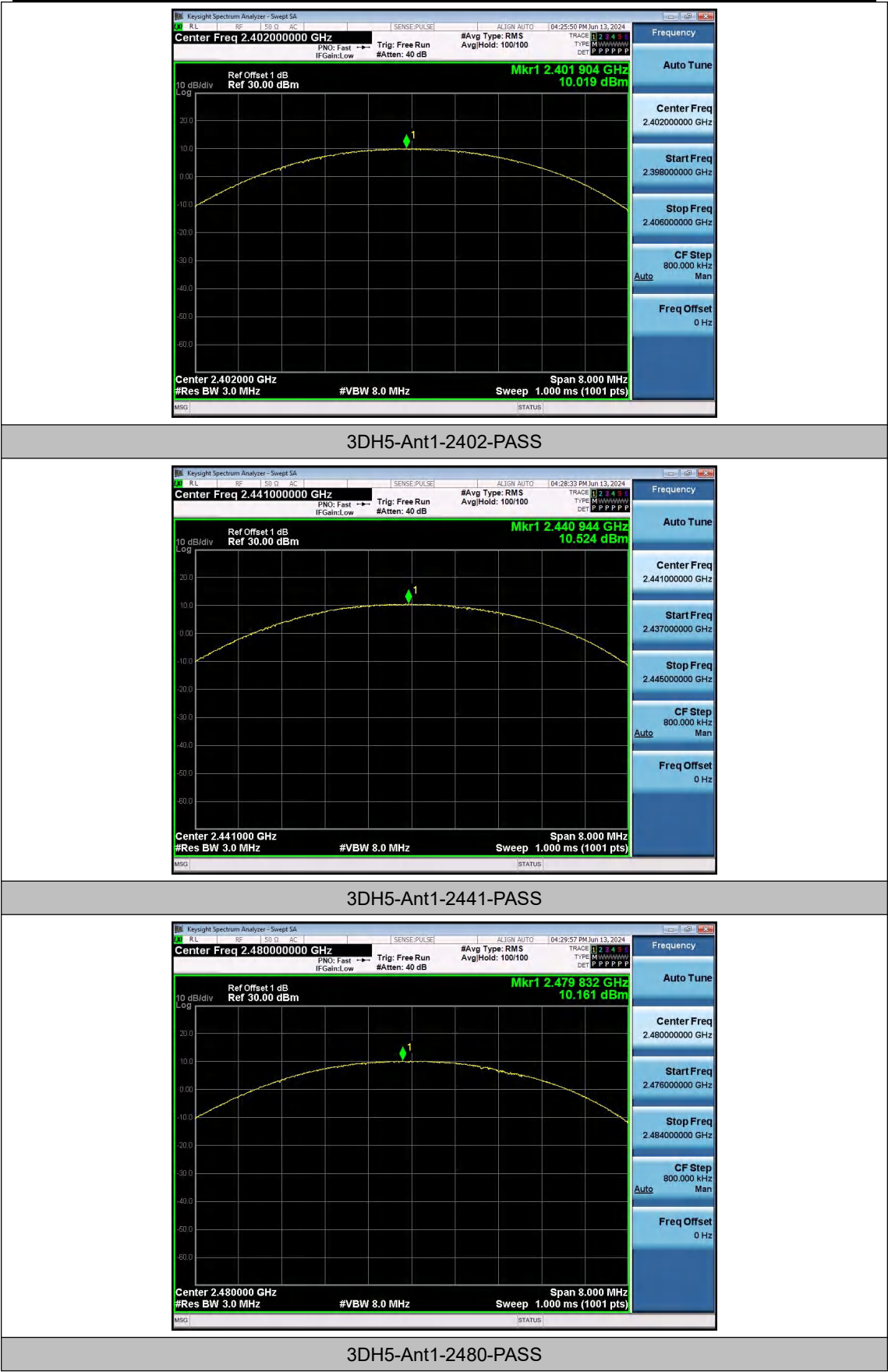


2DH5-Ant1-2441-PASS



2DH5-Ant1-2480-PASS





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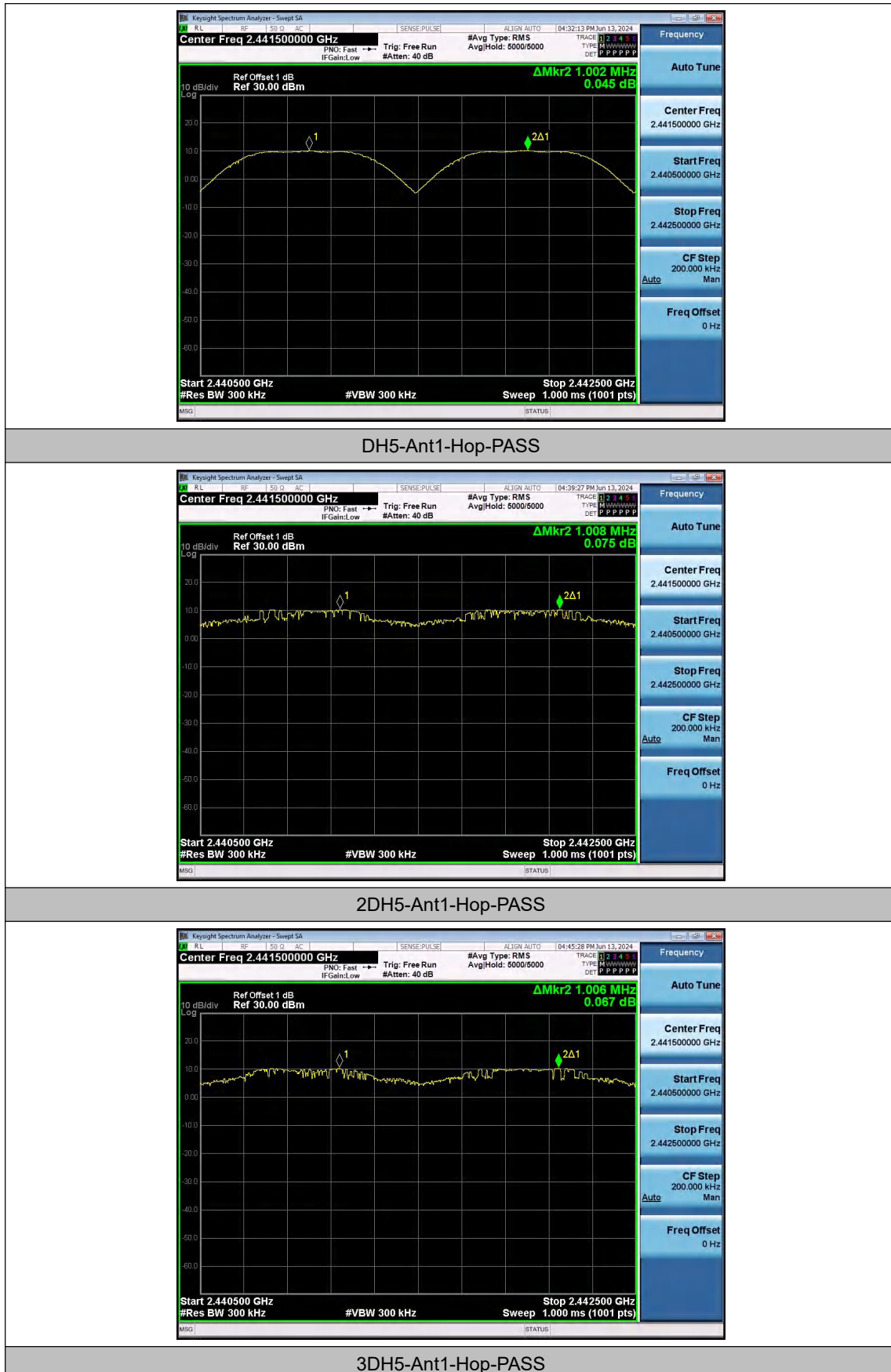
Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.002	≥ 0.849	PASS
2DH5	Ant1	Hop	1.008	≥ 0.862	PASS
3DH5	Ant1	Hop	1.006	≥ 0.856	PASS



Test Graphs



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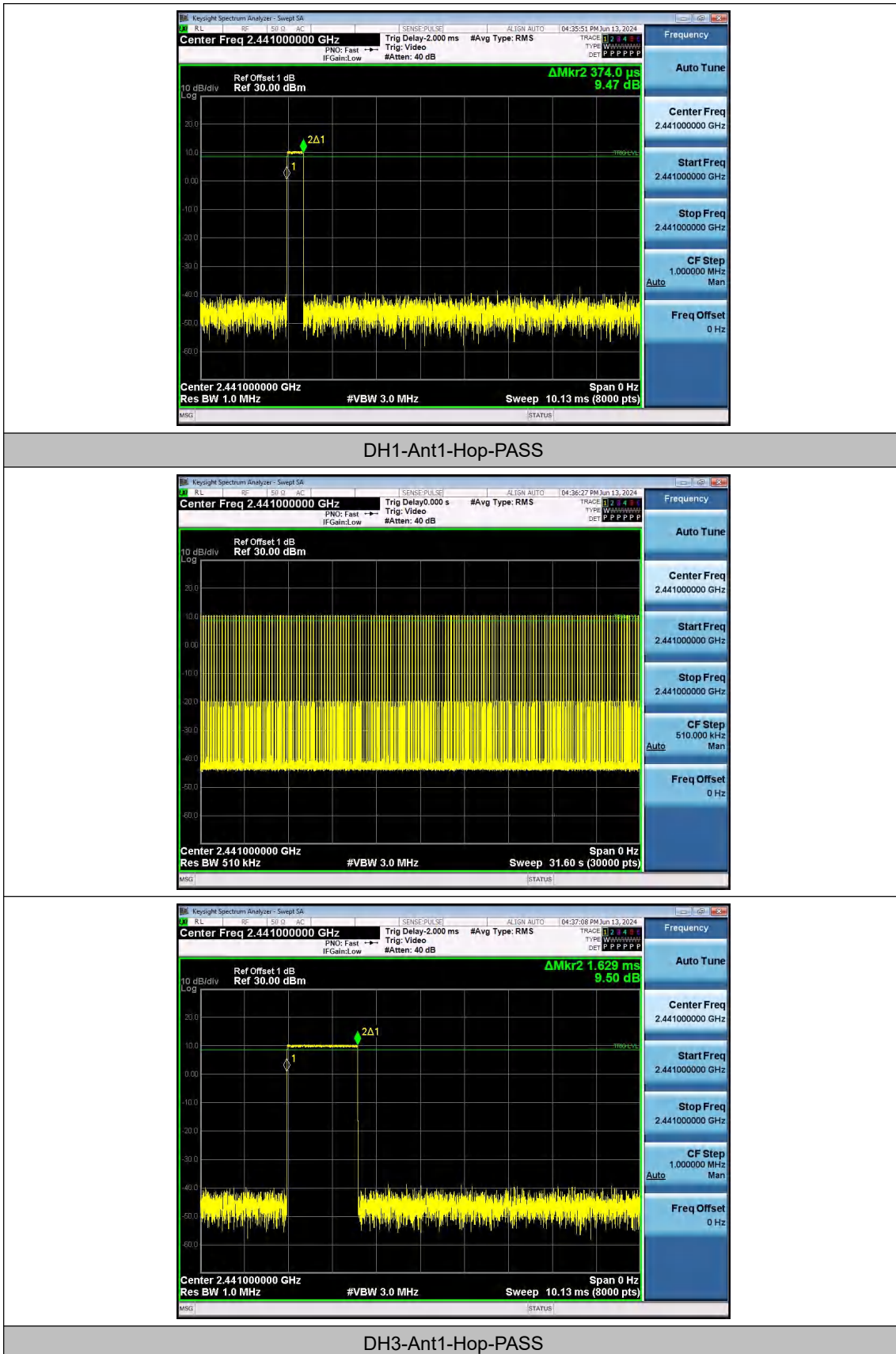
Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.374	314	0.117	≤0.4	PASS
DH3	Ant1	Hop	1.629	157	0.256	≤0.4	PASS
DH5	Ant1	Hop	2.878	110	0.317	≤0.4	PASS
2DH1	Ant1	Hop	0.383	312	0.119	≤0.4	PASS
2DH3	Ant1	Hop	1.634	156	0.255	≤0.4	PASS
2DH5	Ant1	Hop	2.882	113	0.326	≤0.4	PASS
3DH1	Ant1	Hop	0.381	313	0.119	≤0.4	PASS
3DH3	Ant1	Hop	1.634	158	0.258	≤0.4	PASS
3DH5	Ant1	Hop	2.884	110	0.317	≤0.4	PASS



Test Graphs

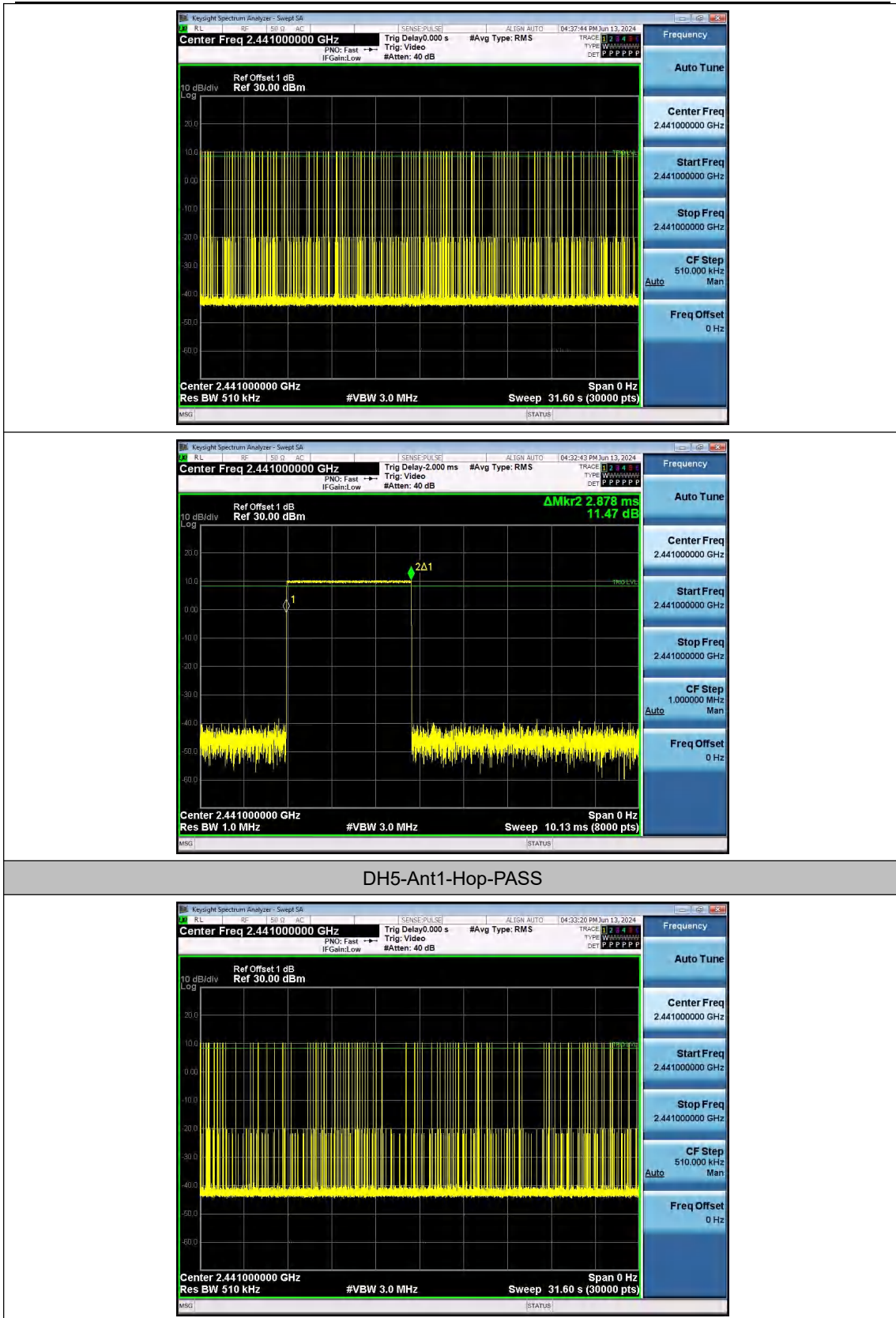


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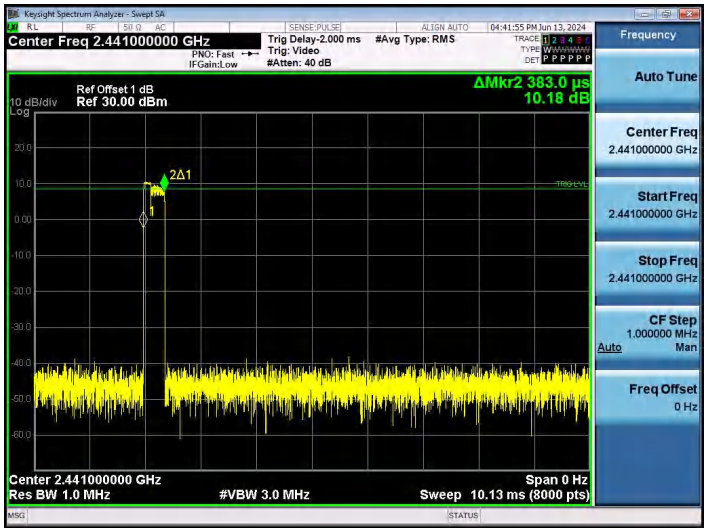
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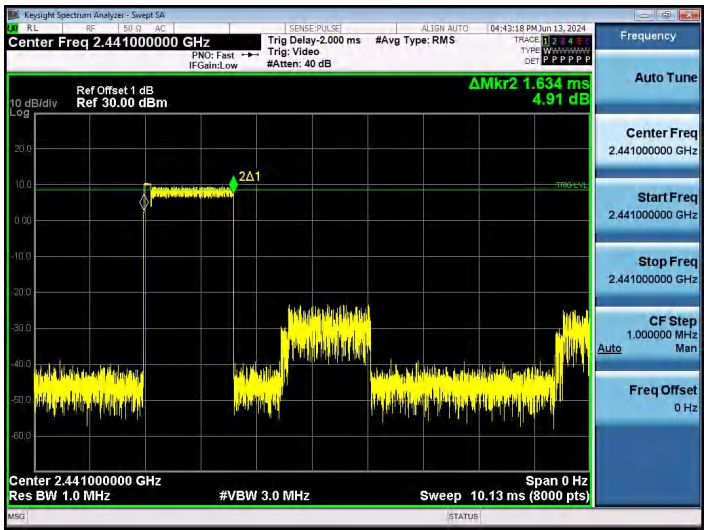
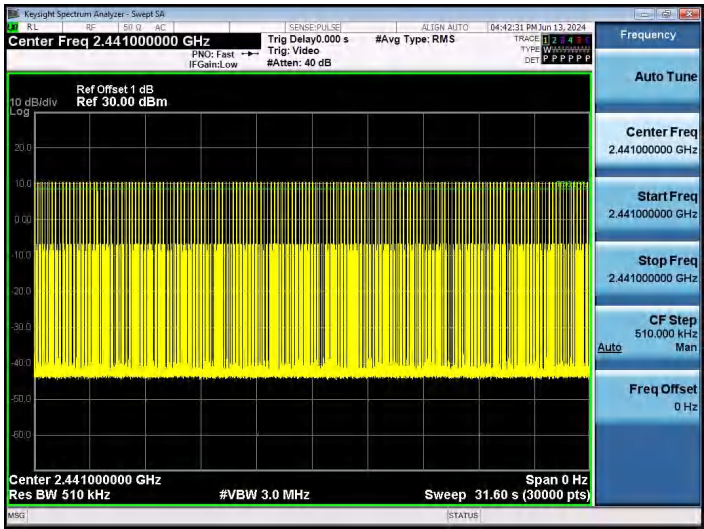


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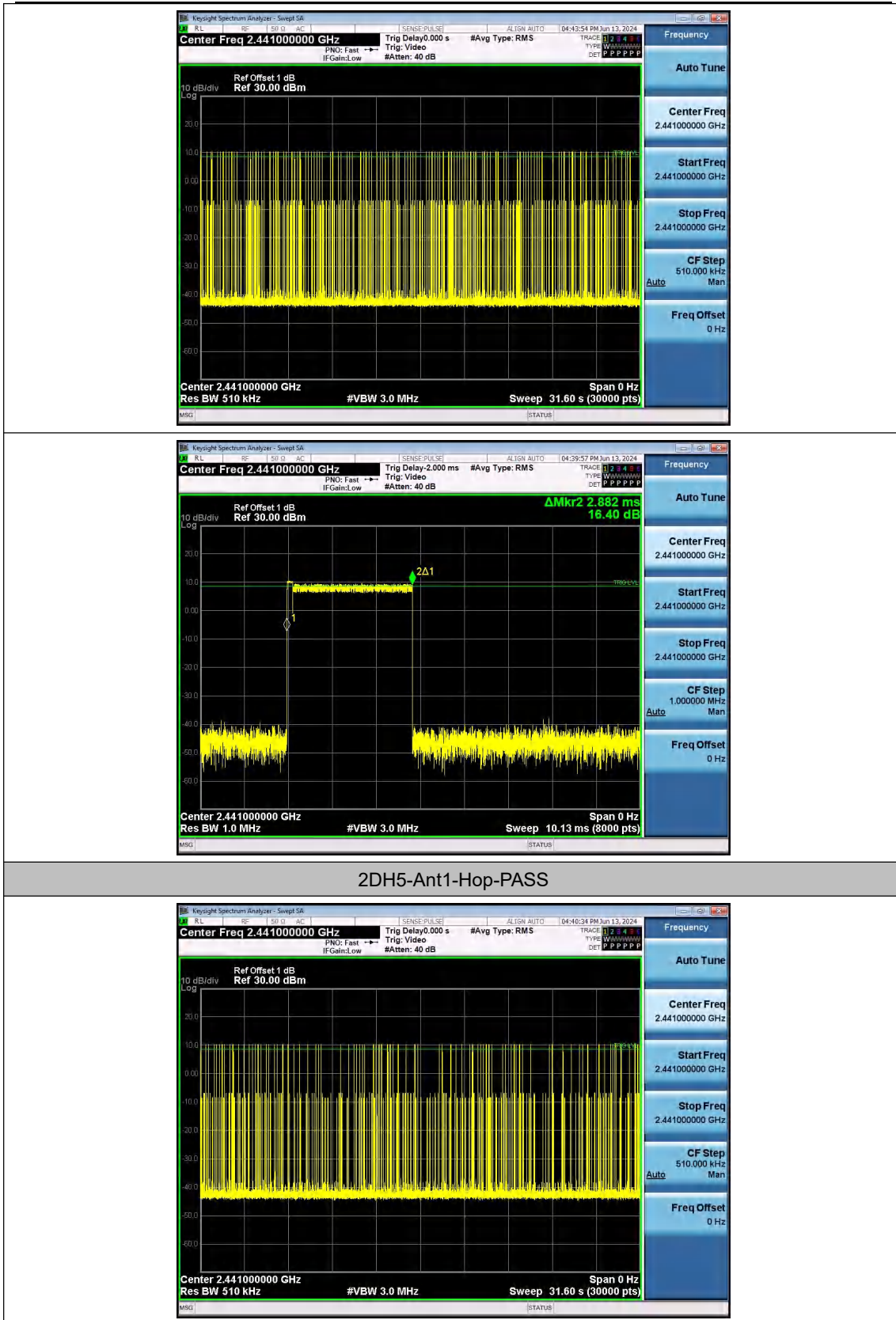


2DH1-Ant1-Hop-PASS



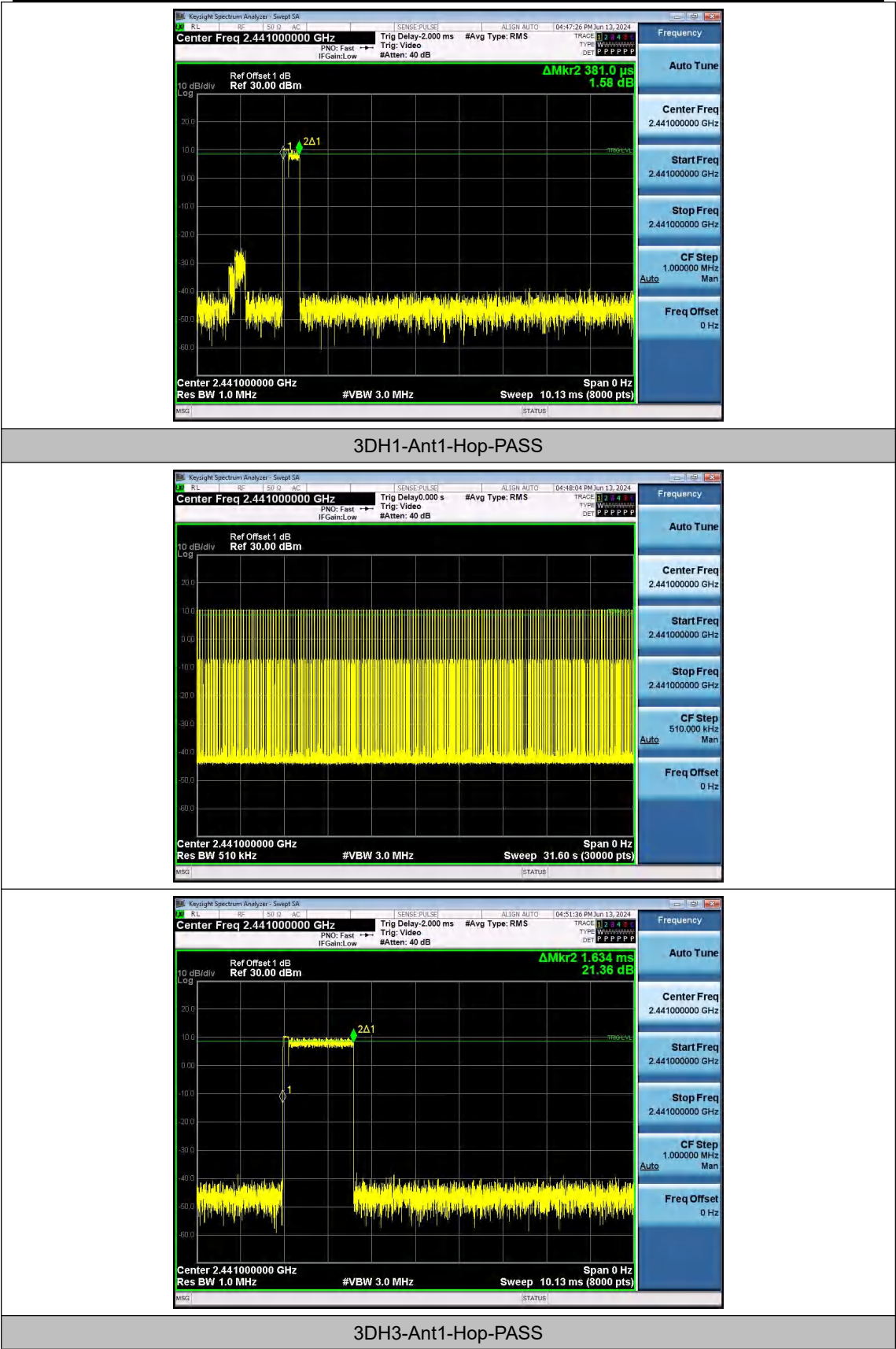
2DH3-Ant1-Hop-PASS

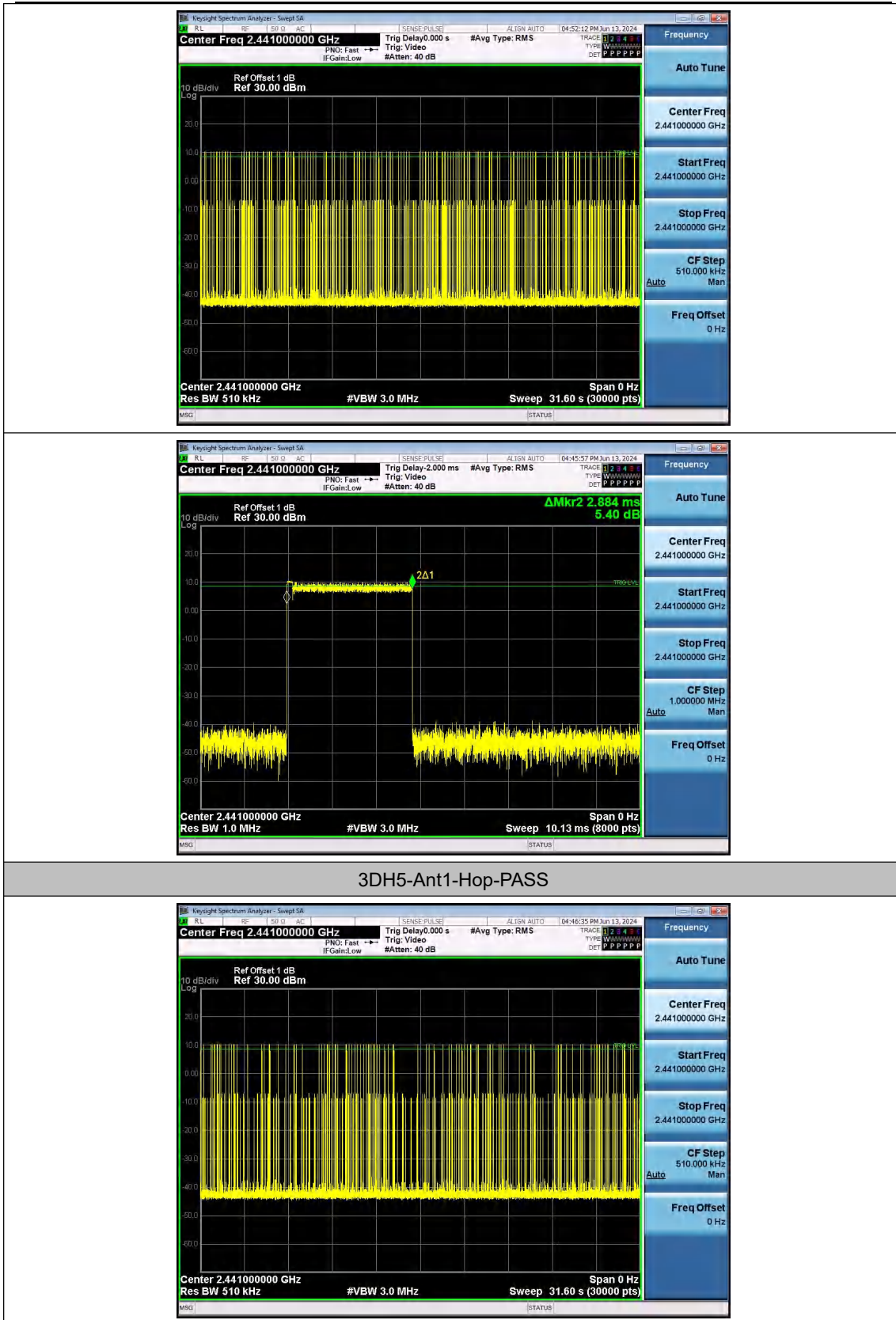




2DH5-Ant1-Hop-PASS







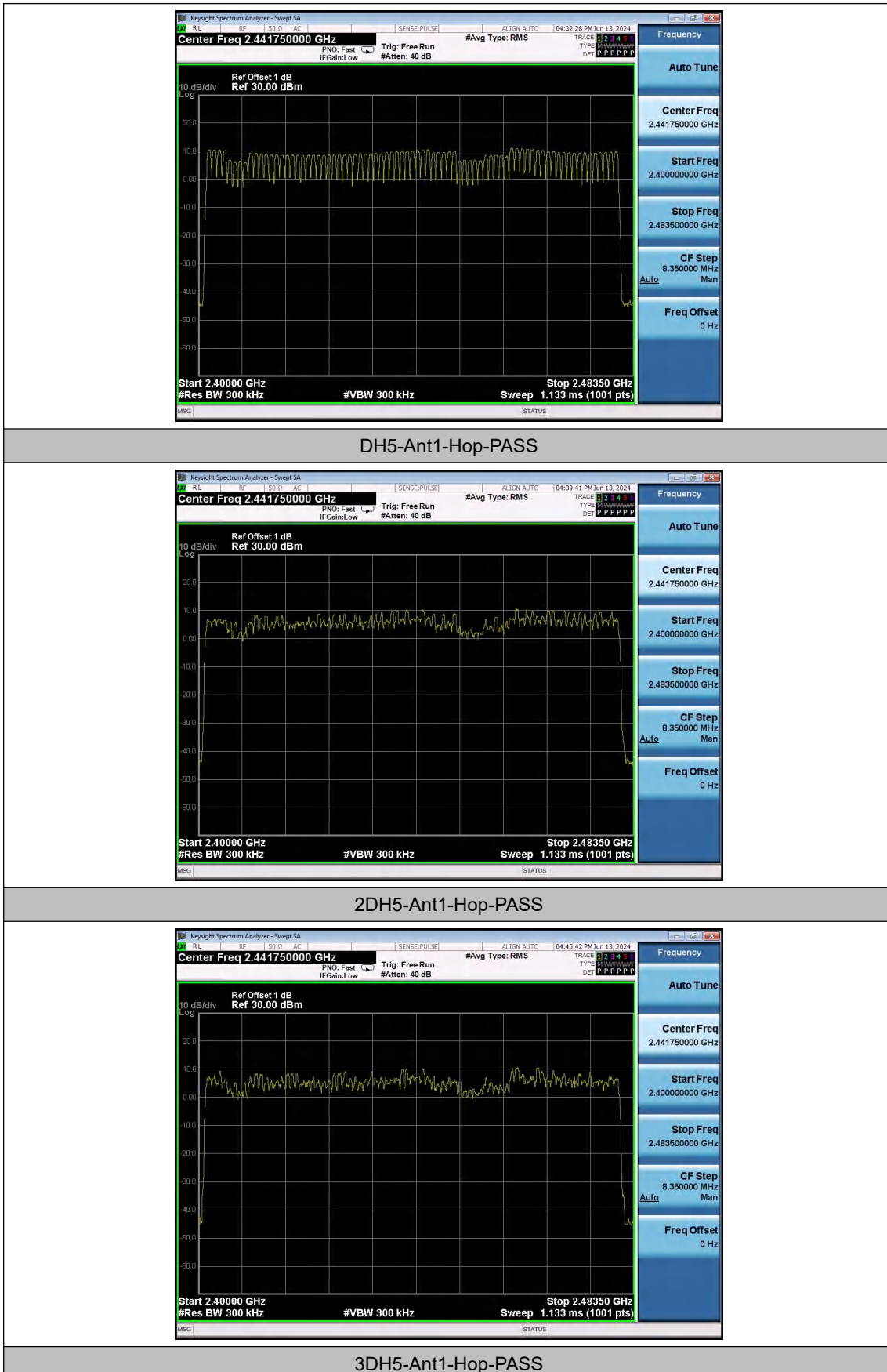
Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



Test Graphs



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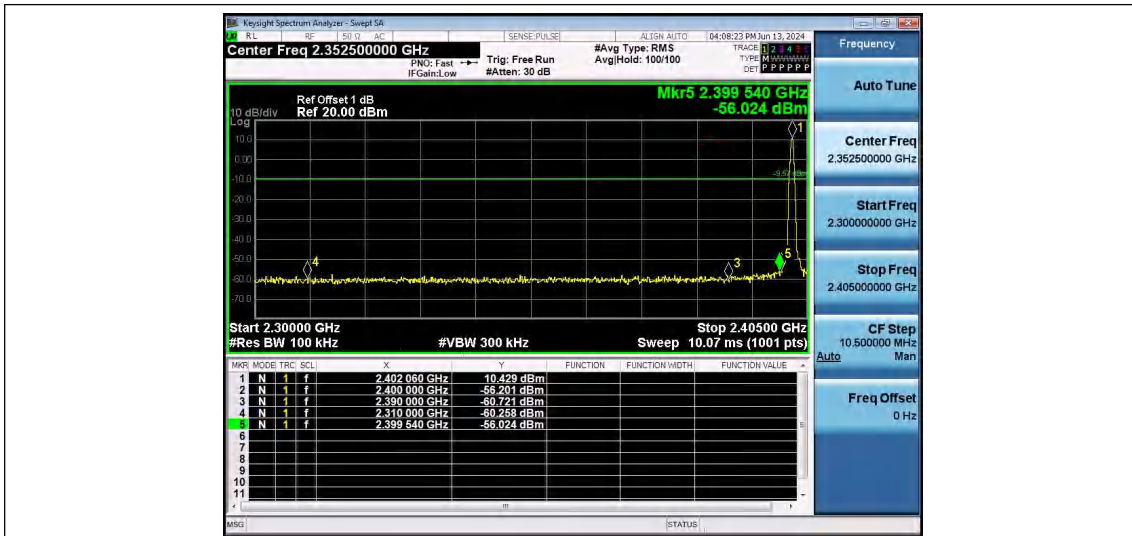
Appendix G: Conducted Band edge

Test Result

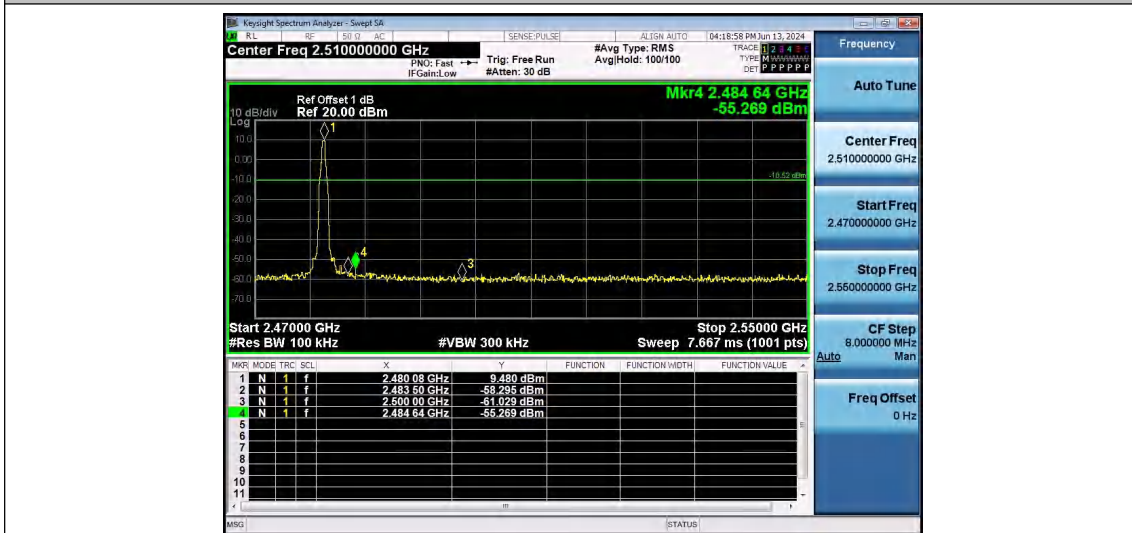
TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	10.43	-56.02	≤-9.57	PASS
DH5	Ant1	High	2480	9.48	-55.27	≤-10.52	PASS
DH5	Ant1	Low	Hop_2402	10.19	-56.87	≤-9.81	PASS
DH5	Ant1	High	Hop_2480	9.06	-56.20	≤-10.94	PASS
2DH5	Ant1	Low	2402	9.27	-51.91	≤-10.73	PASS
2DH5	Ant1	High	2480	6.42	-56.98	≤-13.58	PASS
2DH5	Ant1	Low	Hop_2402	6.71	-55.53	≤-13.29	PASS
2DH5	Ant1	High	Hop_2480	8.67	-56.11	≤-11.33	PASS
3DH5	Ant1	Low	2402	8.57	-50.56	≤-11.43	PASS
3DH5	Ant1	High	2480	8.69	-56.07	≤-11.31	PASS
3DH5	Ant1	Low	Hop_2402	8.36	-53.02	≤-11.64	PASS
3DH5	Ant1	High	Hop_2480	9.28	-56.49	≤-10.72	PASS



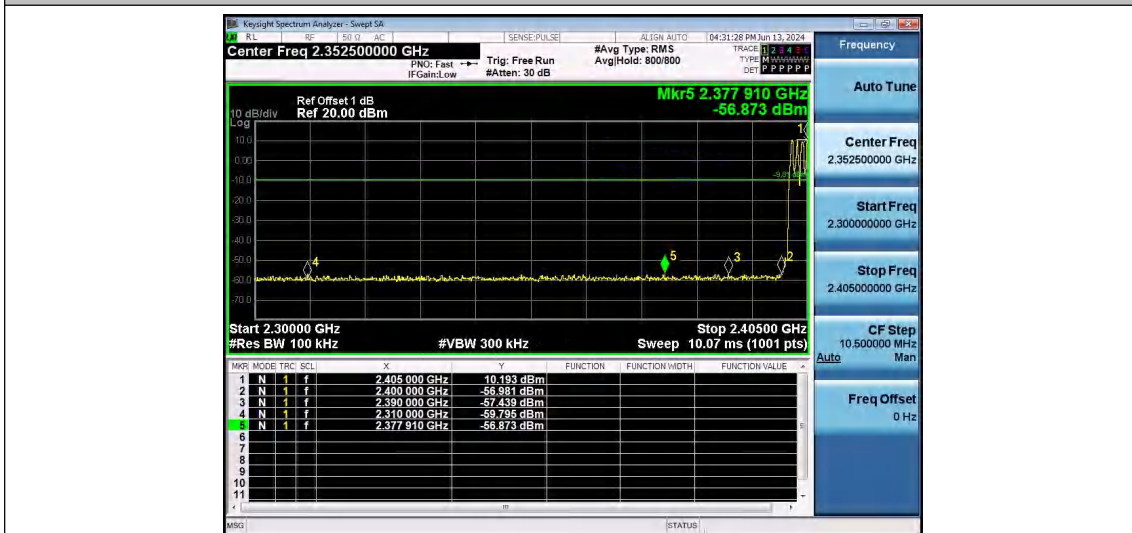
Test Graphs



DH5-Ant1-2402-PASS



DH5-Ant1-2480-PASS



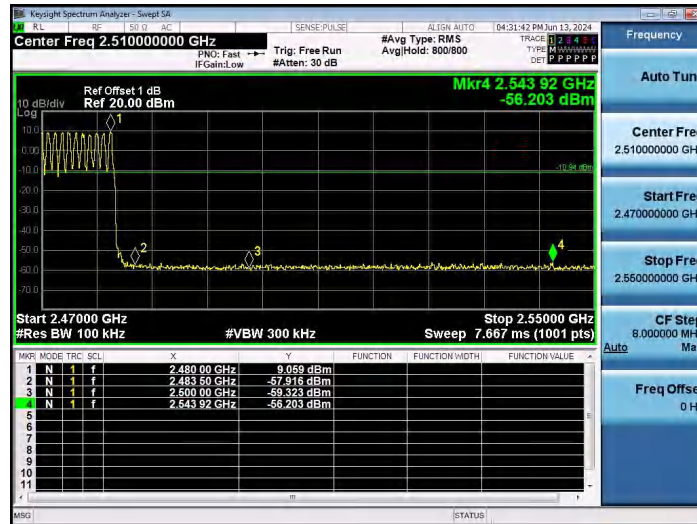
DH5-Ant1-Hop_2402-PASS

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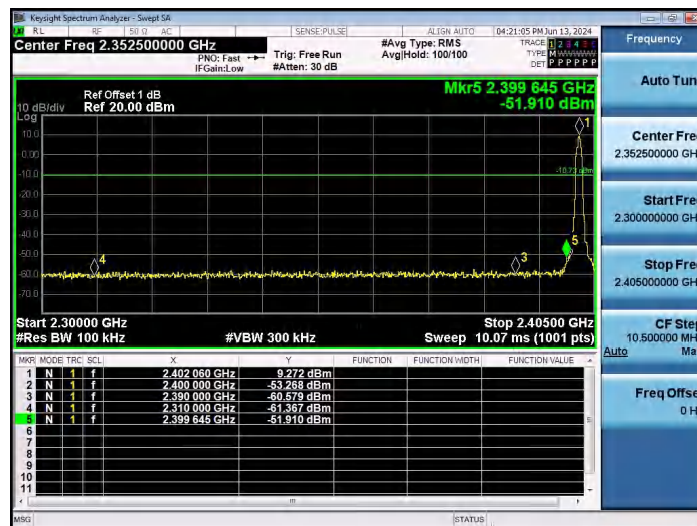
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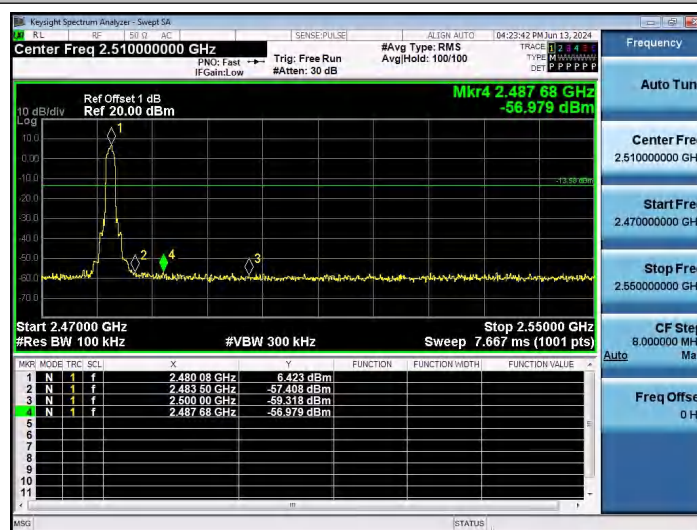




DH5-Ant1-Hop_2480-PASS

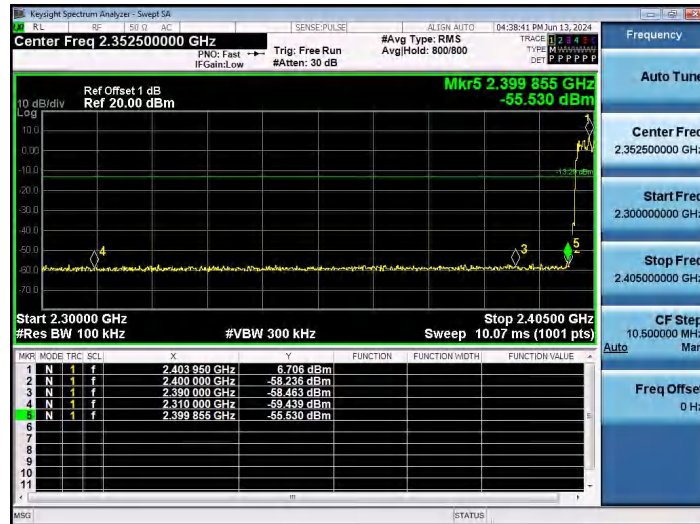


2DH5-Ant1-2402-PASS

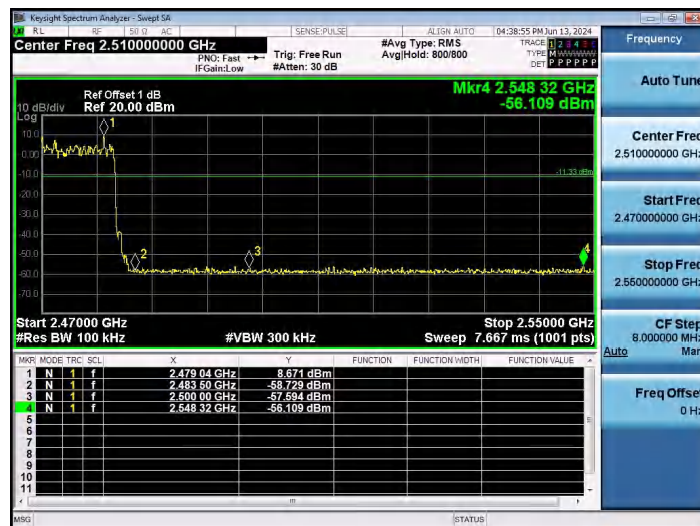


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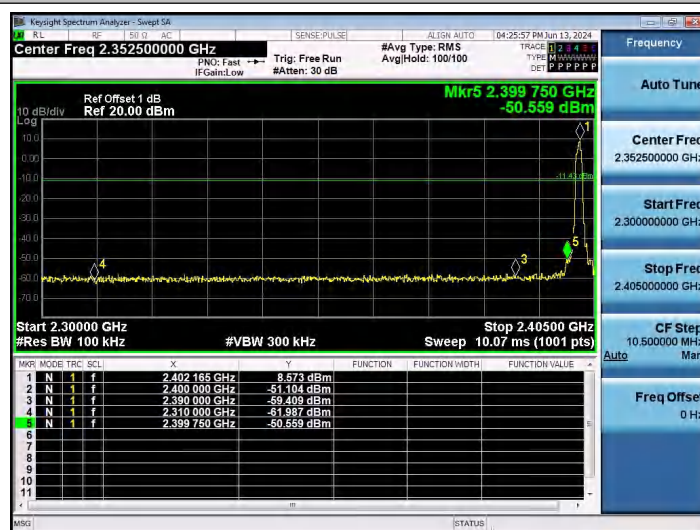




2DH5-Ant1-Hop_2402-PASS

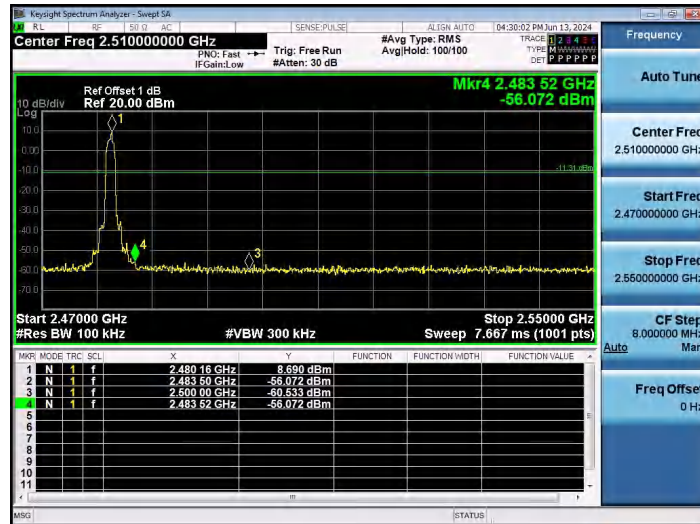


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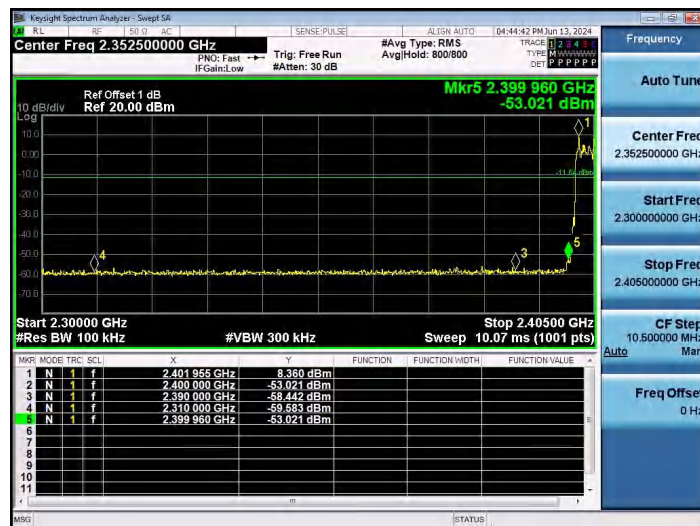


3DH5-Ant1-2402-PASS

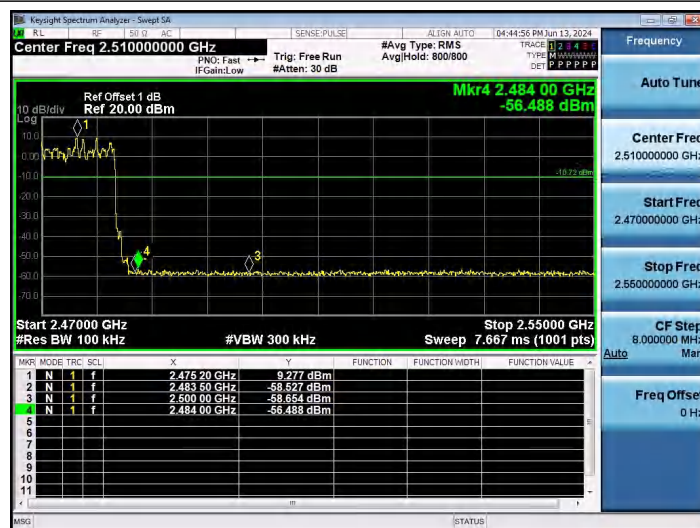




3DH5-Ant1-2480-PASS



3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



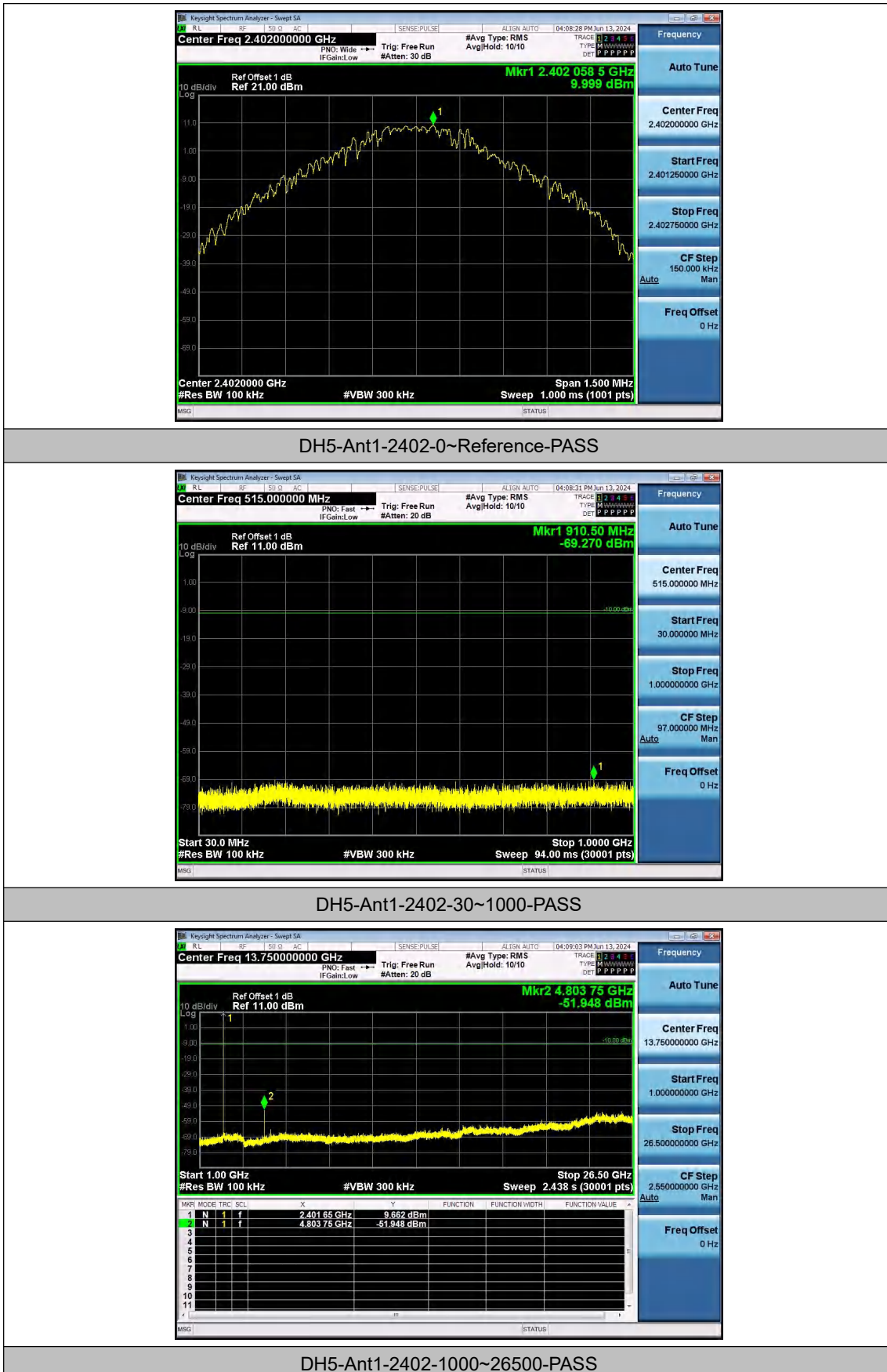
Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	10.00	10.00	---	PASS
DH5	Ant1	2402	30~1000	10.00	-69.27	≤-10	PASS
DH5	Ant1	2402	1000~26500	10.00	-51.95	≤-10	PASS
DH5	Ant1	2441	0~Reference	9.51	9.51	---	PASS
DH5	Ant1	2441	30~1000	9.51	-68.52	≤-10.49	PASS
DH5	Ant1	2441	1000~26500	9.51	-50.60	≤-10.49	PASS
DH5	Ant1	2480	0~Reference	9.18	9.18	---	PASS
DH5	Ant1	2480	30~1000	9.18	-68.78	≤-10.82	PASS
DH5	Ant1	2480	1000~26500	9.18	-50.62	≤-10.82	PASS
2DH5	Ant1	2402	0~Reference	7.08	7.08	---	PASS
2DH5	Ant1	2402	30~1000	7.08	-68.80	≤-12.92	PASS
2DH5	Ant1	2402	1000~26500	7.08	-53.59	≤-12.92	PASS
2DH5	Ant1	2441	0~Reference	9.47	9.47	---	PASS
2DH5	Ant1	2441	30~1000	9.47	-68.44	≤-10.53	PASS
2DH5	Ant1	2441	1000~26500	9.47	-53.15	≤-10.53	PASS
2DH5	Ant1	2480	0~Reference	9.06	9.06	---	PASS
2DH5	Ant1	2480	30~1000	9.06	-68.92	≤-10.94	PASS
2DH5	Ant1	2480	1000~26500	9.06	-51.82	≤-10.94	PASS
3DH5	Ant1	2402	0~Reference	9.62	9.62	---	PASS
3DH5	Ant1	2402	30~1000	9.62	-68.51	≤-10.38	PASS
3DH5	Ant1	2402	1000~26500	9.62	-54.06	≤-10.38	PASS
3DH5	Ant1	2441	0~Reference	9.38	9.38	---	PASS
3DH5	Ant1	2441	30~1000	9.38	-69.07	≤-10.62	PASS
3DH5	Ant1	2441	1000~26500	9.38	-53.84	≤-10.62	PASS
3DH5	Ant1	2480	0~Reference	8.16	8.16	---	PASS
3DH5	Ant1	2480	30~1000	8.16	-68.74	≤-11.84	PASS
3DH5	Ant1	2480	1000~26500	8.16	-52.04	≤-11.84	PASS



Test Graphs



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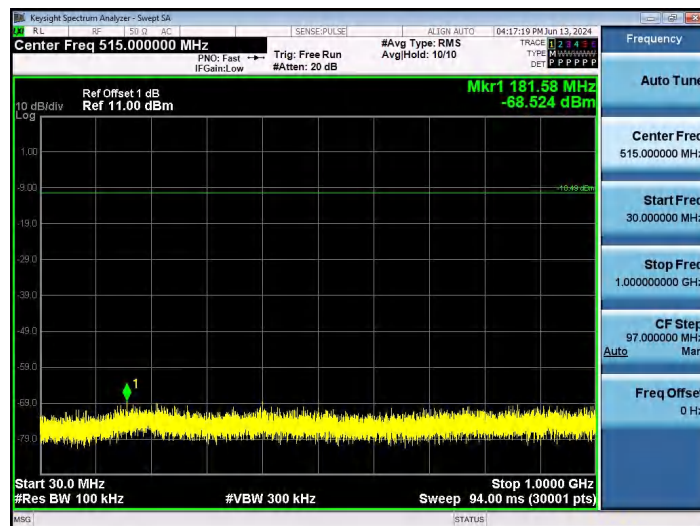
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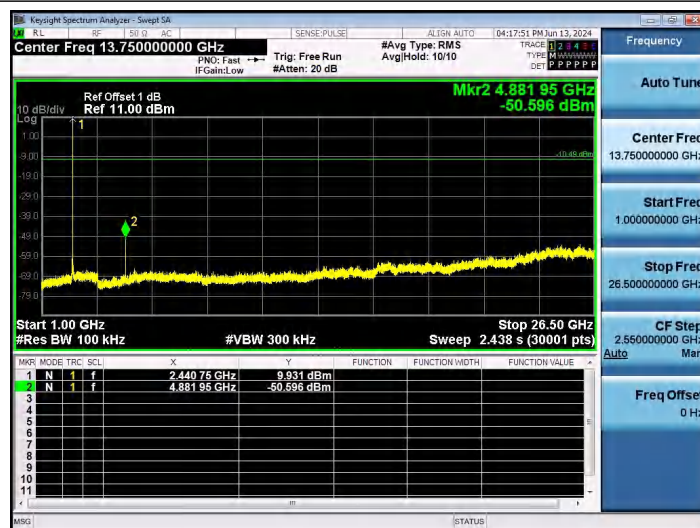




DH5-Ant1-2441-0~Reference-PASS



DH5-Ant1-2441-30~1000-PASS

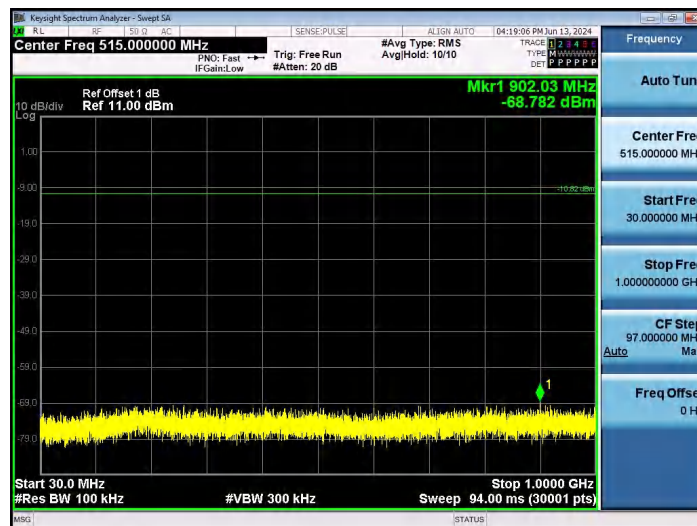


DH5-Ant1-2441-1000~26500-PASS

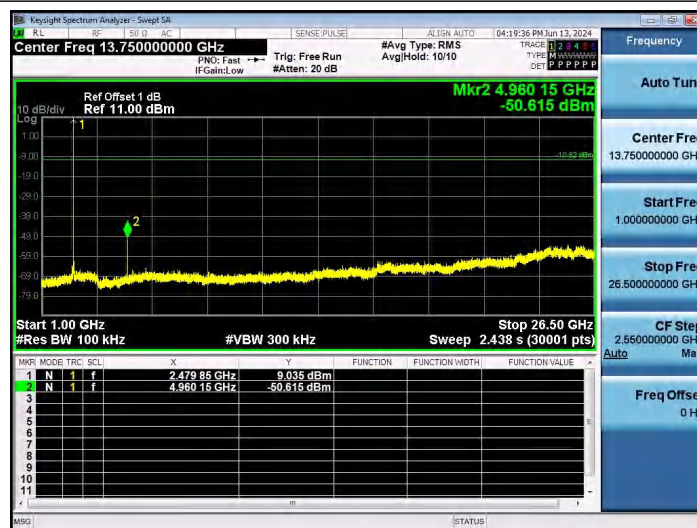




DH5-Ant1-2480-0~Reference-PASS



DH5-Ant1-2480-30~1000-PASS

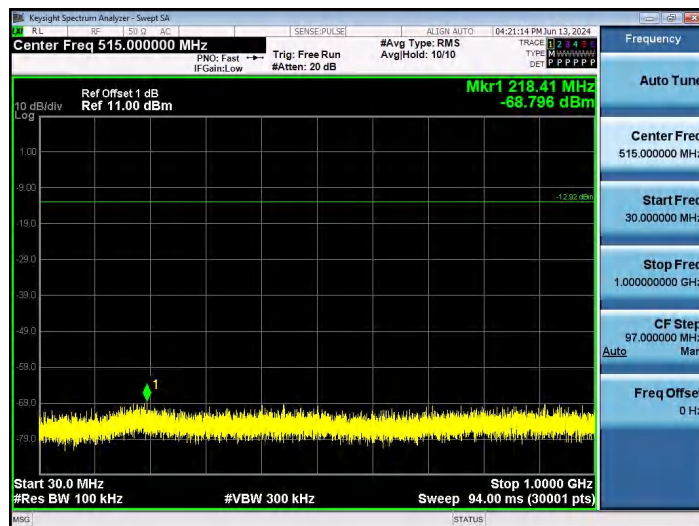


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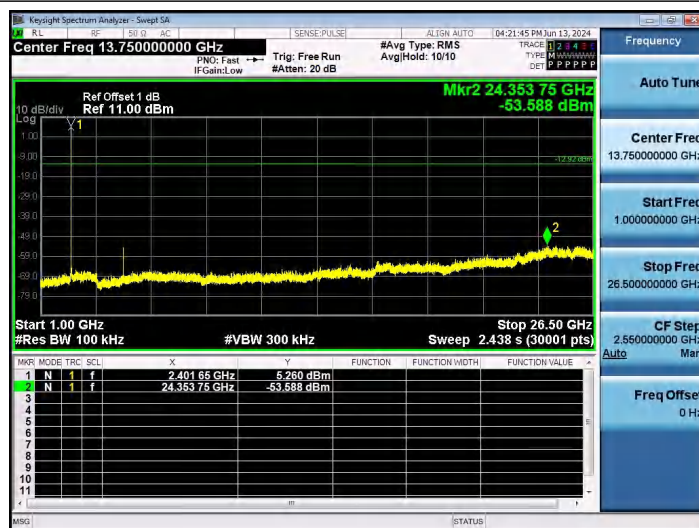




2DH5-Ant1-2402-0~Reference-PASS



2DH5-Ant1-2402-30~1000-PASS

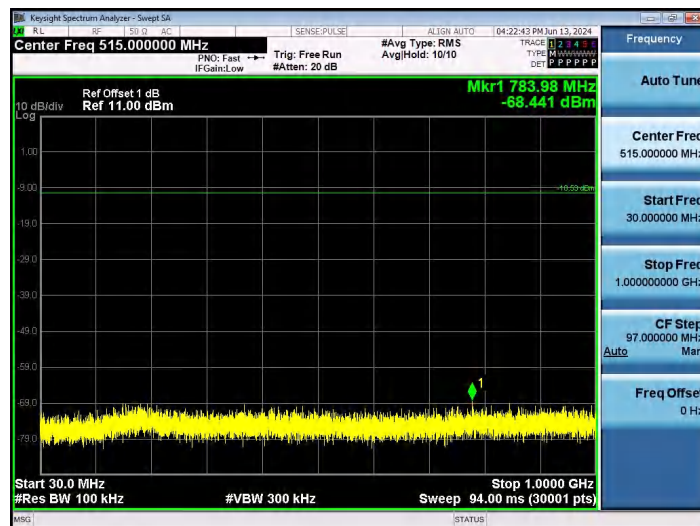


2DH5-Ant1-2402-1000~26500-PASS

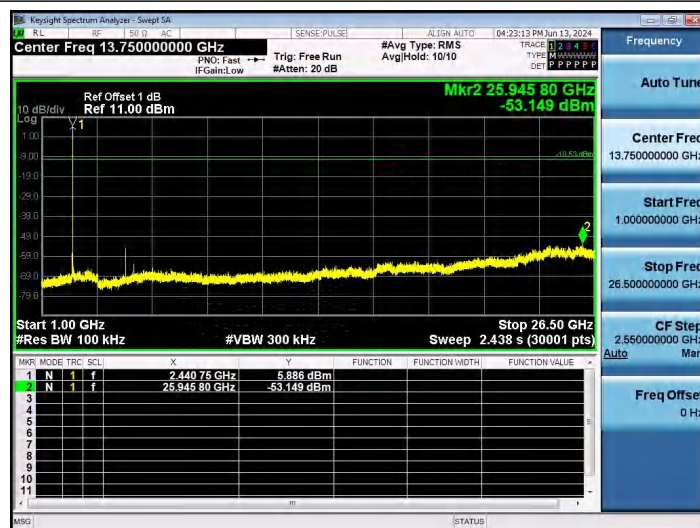




2DH5-Ant1-2441-0~Reference-PASS

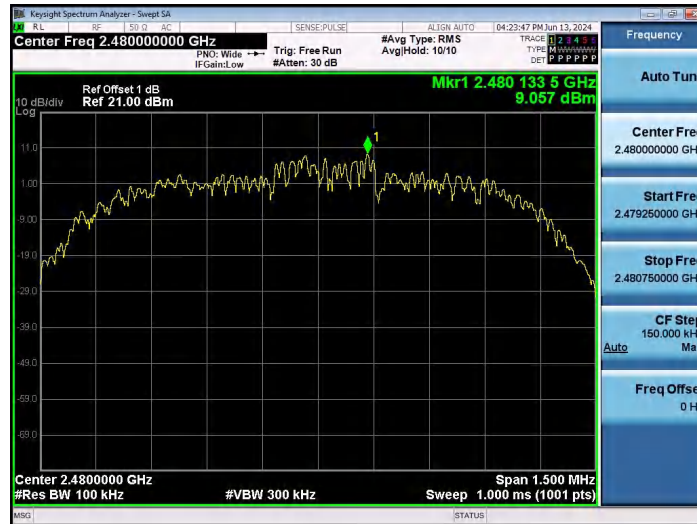


2DH5-Ant1-2441-30~1000-PASS

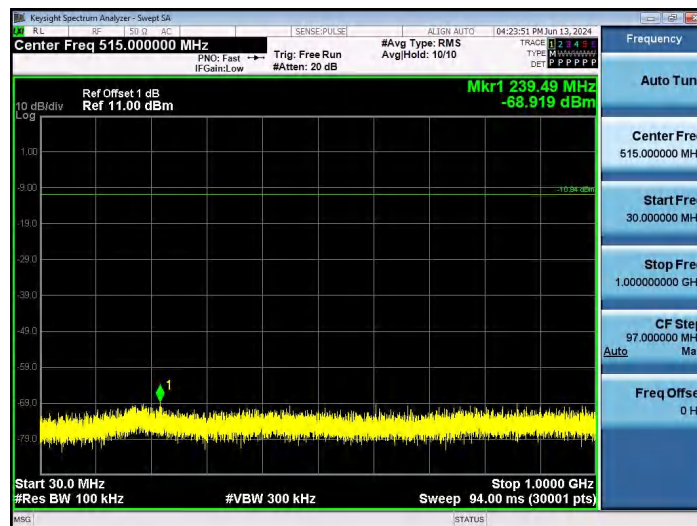


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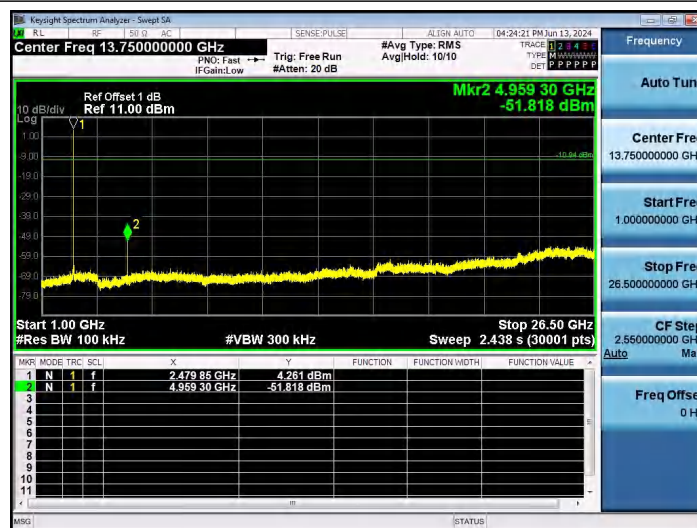




2DH5-Ant1-2480-0~Reference-PASS

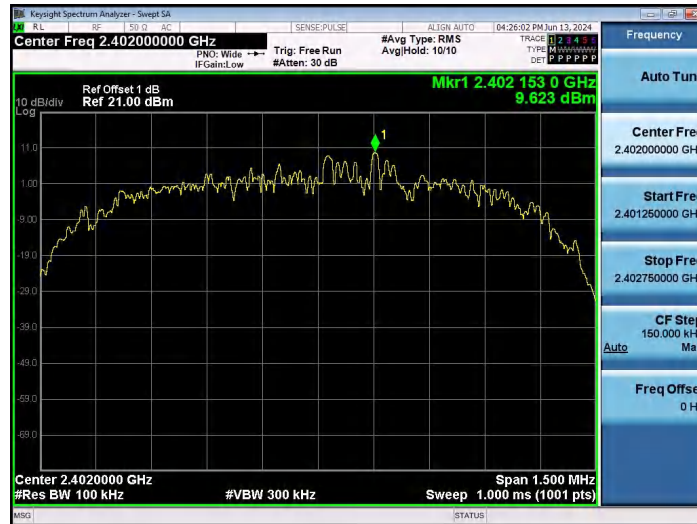


2DH5-Ant1-2480-30~1000-PASS

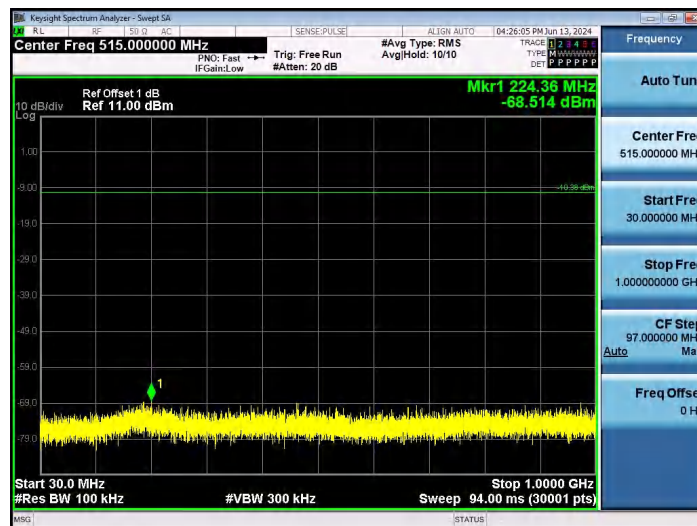


2DH5-Ant1-2480-1000~26500-PASS

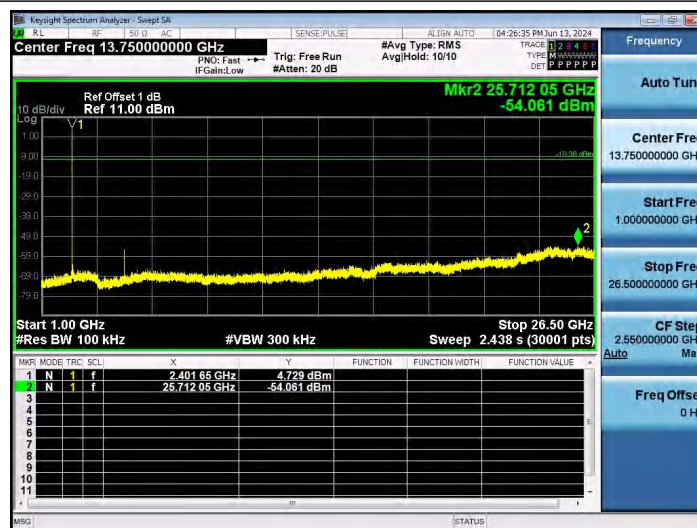




3DH5-Ant1-2402-0~Reference-PASS

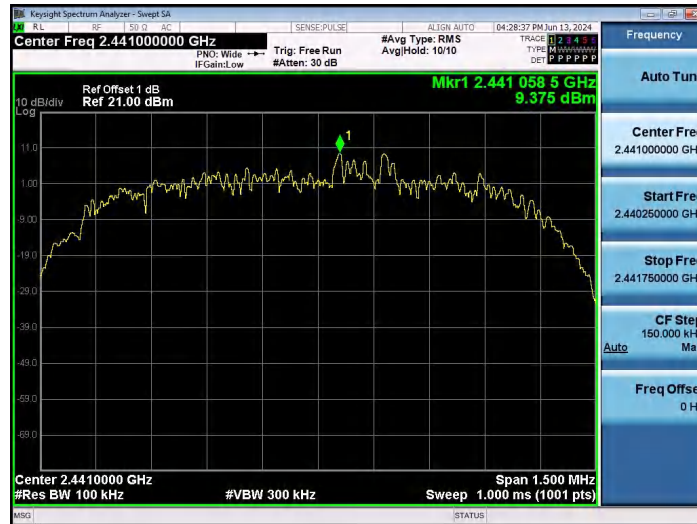


3DH5-Ant1-2402-30~1000-PASS

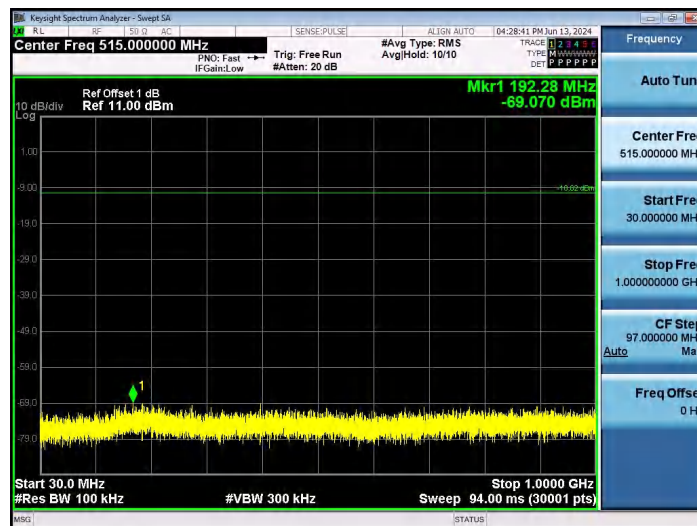


3DH5-Ant1-2402-1000~26500-PASS

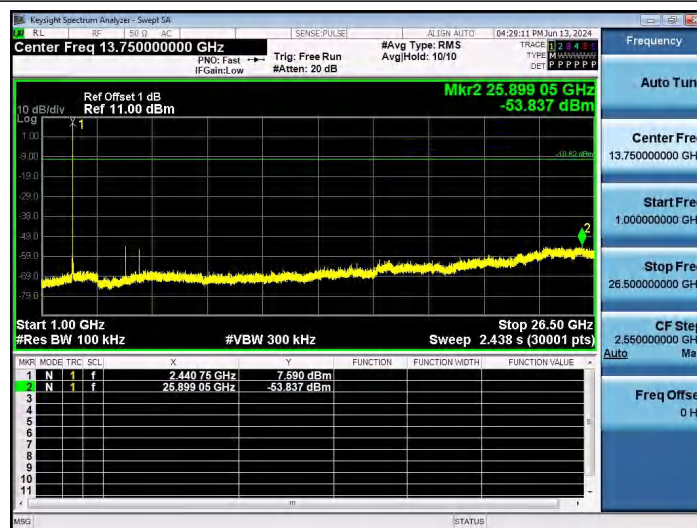




3DH5-Ant1-2441-0~Reference-PASS



3DH5-Ant1-2441-30~1000-PASS

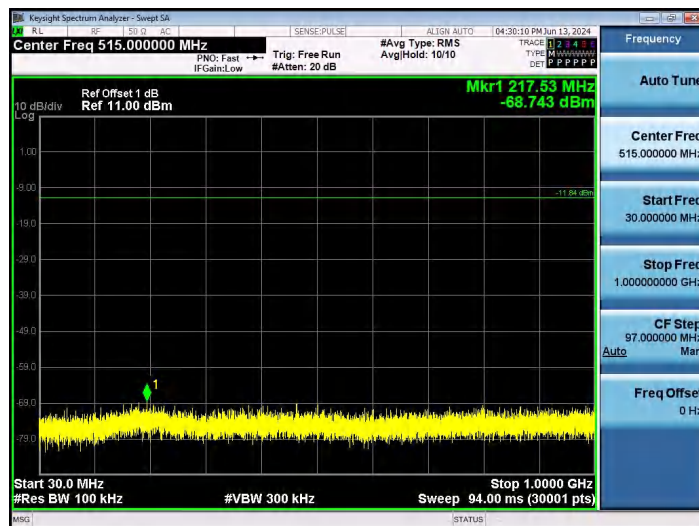


3DH5-Ant1-2441-1000~26500-PASS

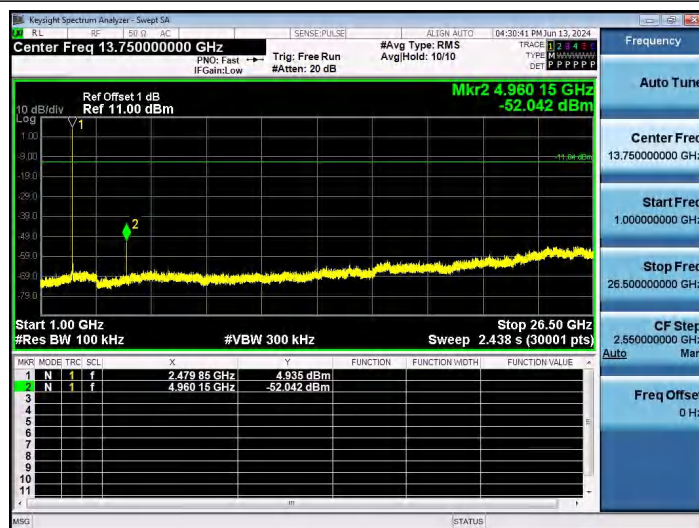




3DH5-Ant1-2480-0~Reference-PASS



3DH5-Ant1-2480-30~1000-PASS



3DH5-Ant1-2480-1000~26500-PASS



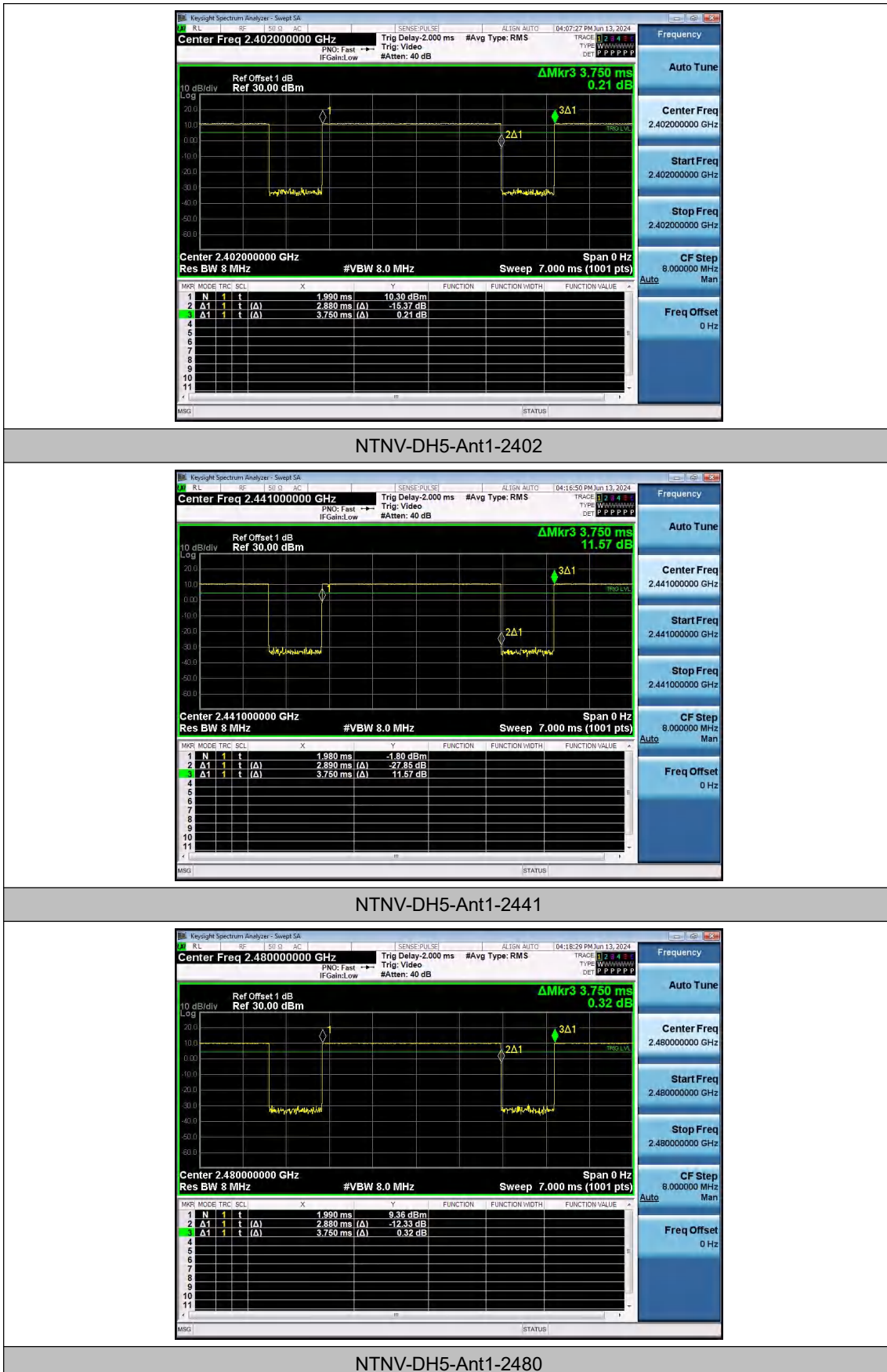
Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	2.88	3.75	76.80	1.15
DH5	Ant1	2441	2.89	3.75	77.07	1.13
DH5	Ant1	2480	2.88	3.75	76.80	1.15
2DH5	Ant1	2402	2.88	3.75	76.80	1.15
2DH5	Ant1	2441	2.88	3.75	76.80	1.15
2DH5	Ant1	2480	2.89	3.75	77.07	1.13
3DH5	Ant1	2402	2.88	3.75	76.80	1.15
3DH5	Ant1	2441	2.88	3.75	76.80	1.15
3DH5	Ant1	2480	2.89	3.75	77.07	1.13



Test Graphs

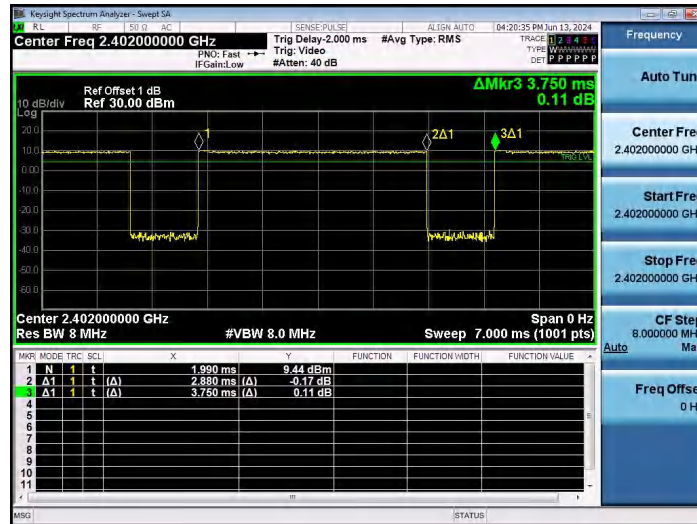


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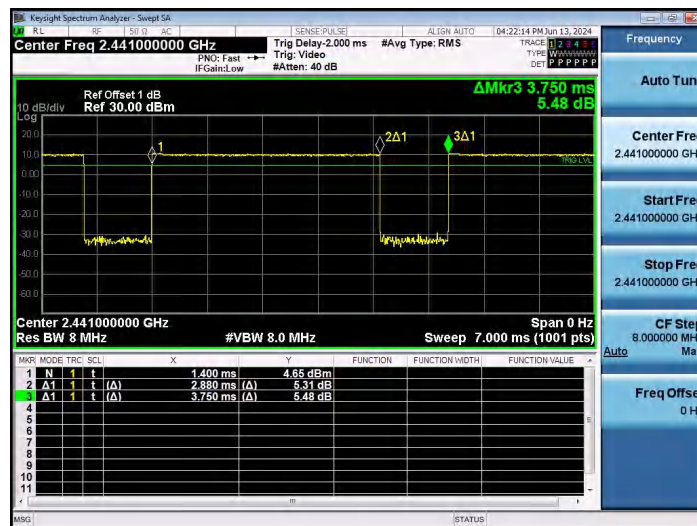
Address: Sogood Industrial Zone Laboratory & 1/F. of Building D, Sogood Science and Technology Park,
Sanwei Community, Hangcheng Subdistrict, Bao'an District, Shenzhen, Guangdong, China
Tel: (86) 0755-26066440 Email: service@anbotek.com

Hotline
400-003-0500
www.anbotek.com

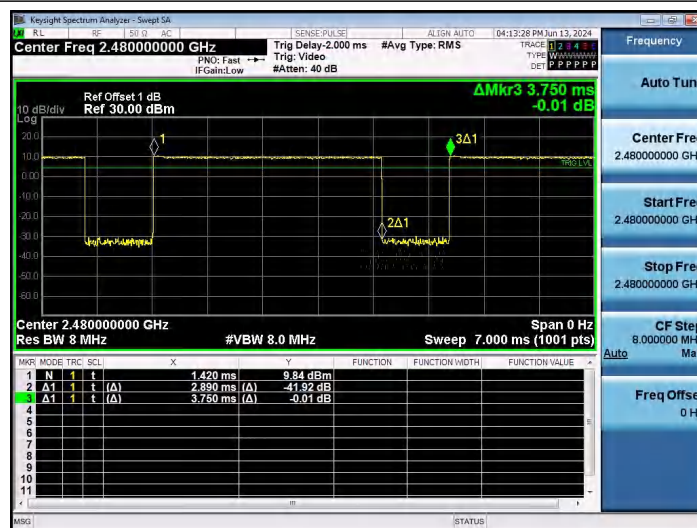




NTNV-2DH5-Ant1-2402

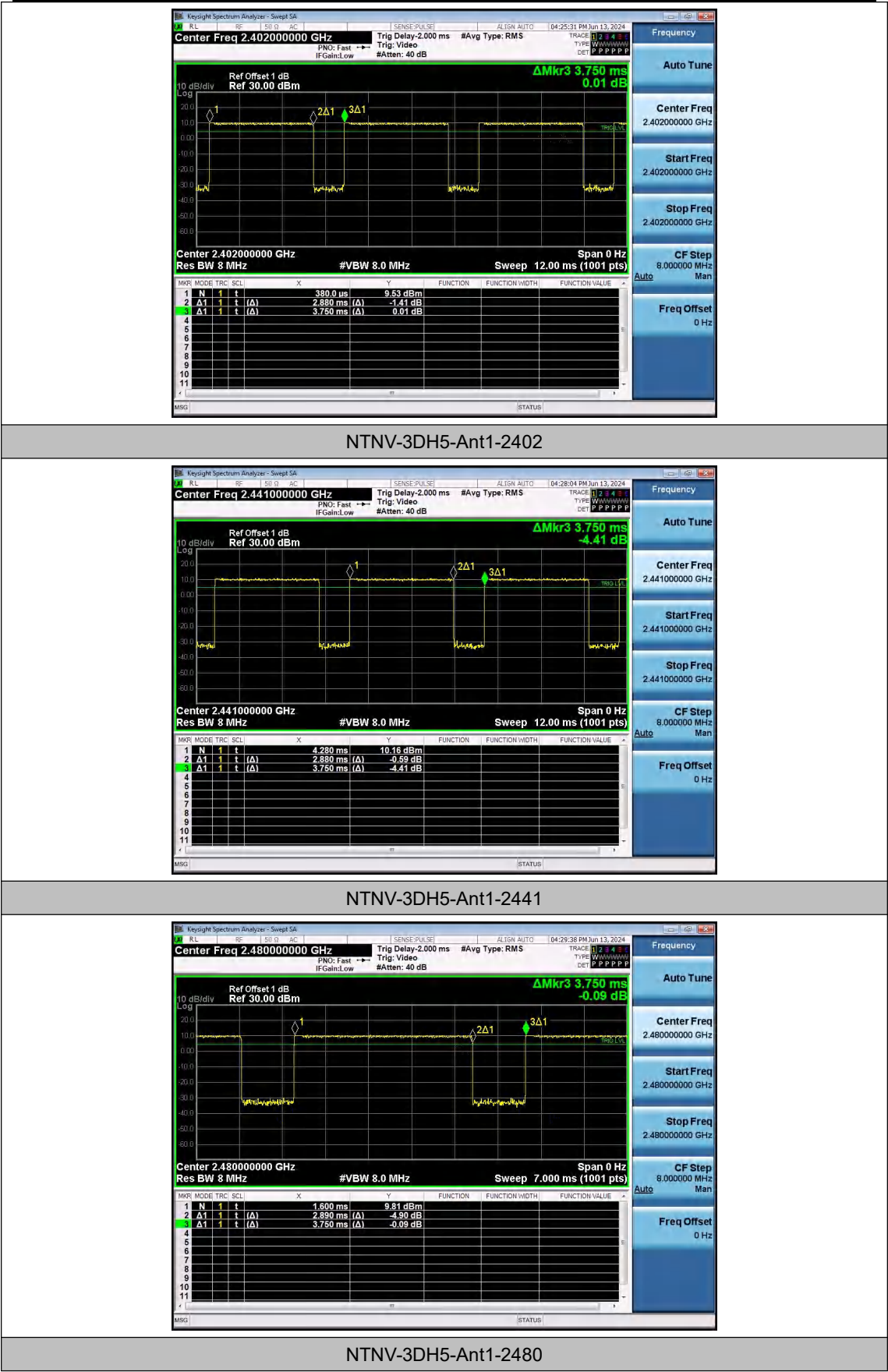


NTNV-2DH5-Ant1-2441



NTNV-2DH5-Ant1-2480





---End---

