

Appendix Test Data

Report No.:	18220WC20130701	Test Sample No.:	1-2-2
Start Test Date:	2022.6.20	Finish Test Date:	2022.6.25
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3°C	Relative Humidity:	56.5 %
Pressure:	1012 hPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	1.053	2401.436	2402.489	---	PASS
		2441	1.017	2440.469	2441.486	---	PASS
		2480	0.984	2479.502	2480.486	---	PASS

Test Graphs





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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.99975	2401.46 5	2402.465	---	PASS
		2441	0.98050	2440.48 5	2441.465	---	PASS
		2480	0.96065	2479.50 2	2480.463	---	PASS

Test Graphs





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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	4.37	≤20.97	PASS
		2441	4.51	≤20.97	PASS
		2480	4.42	≤20.97	PASS

Test Graphs



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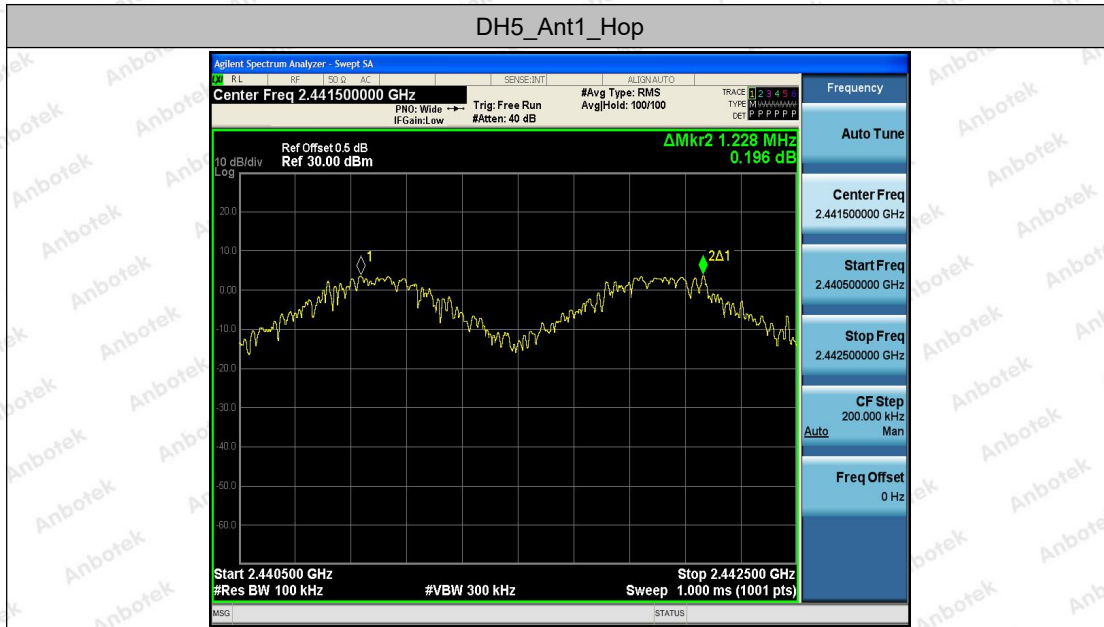
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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.228	≥ 0.702	PASS

Test Graphs



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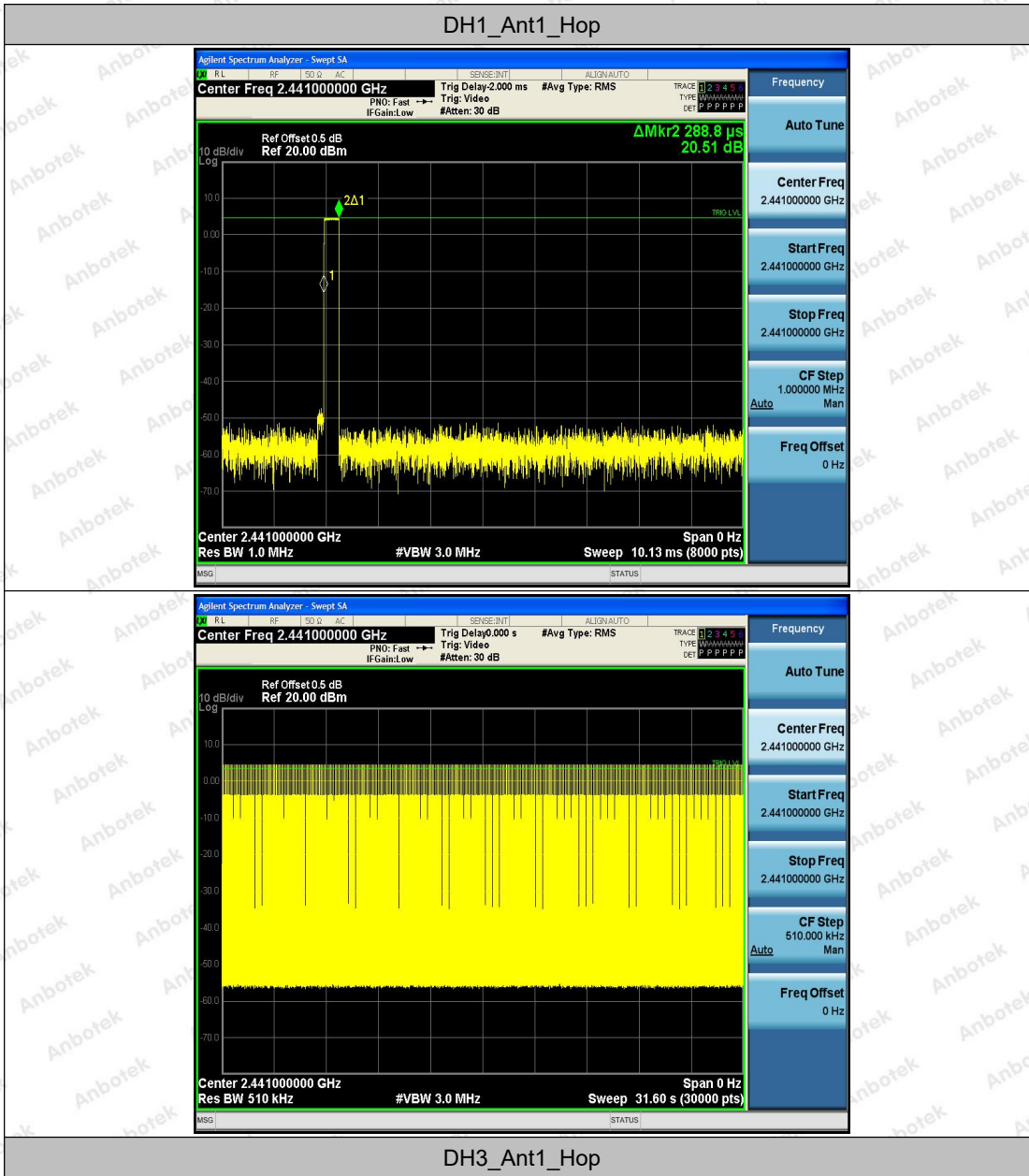
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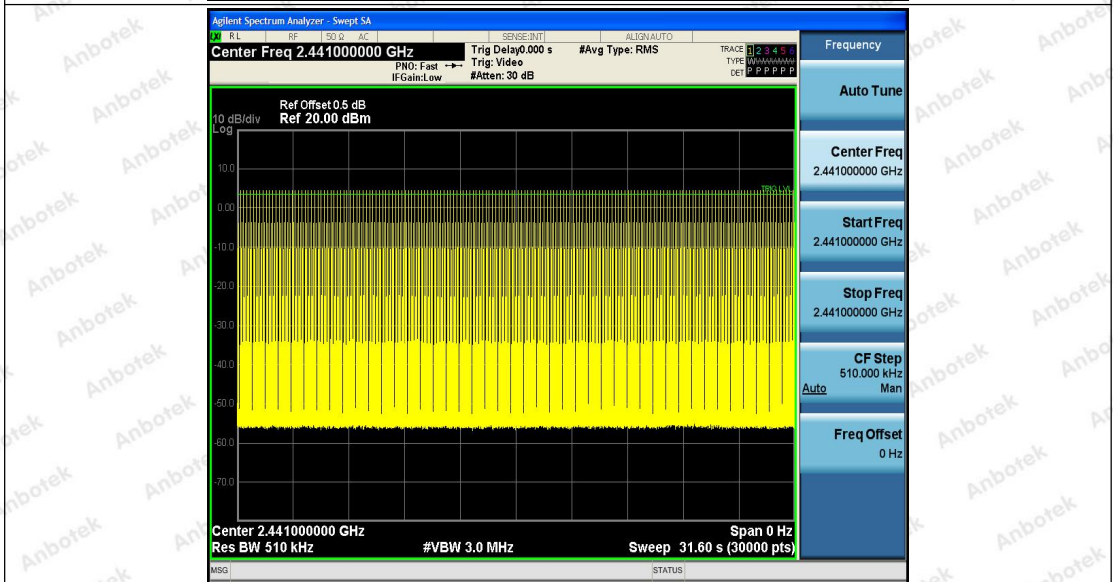
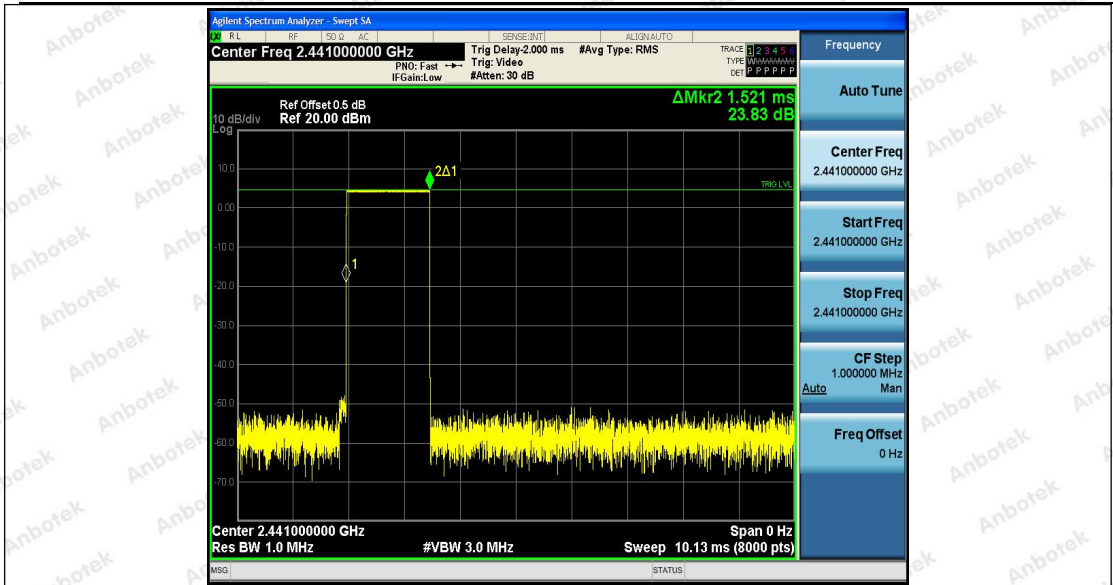
Appendix E: Time of occupancy

Test Result

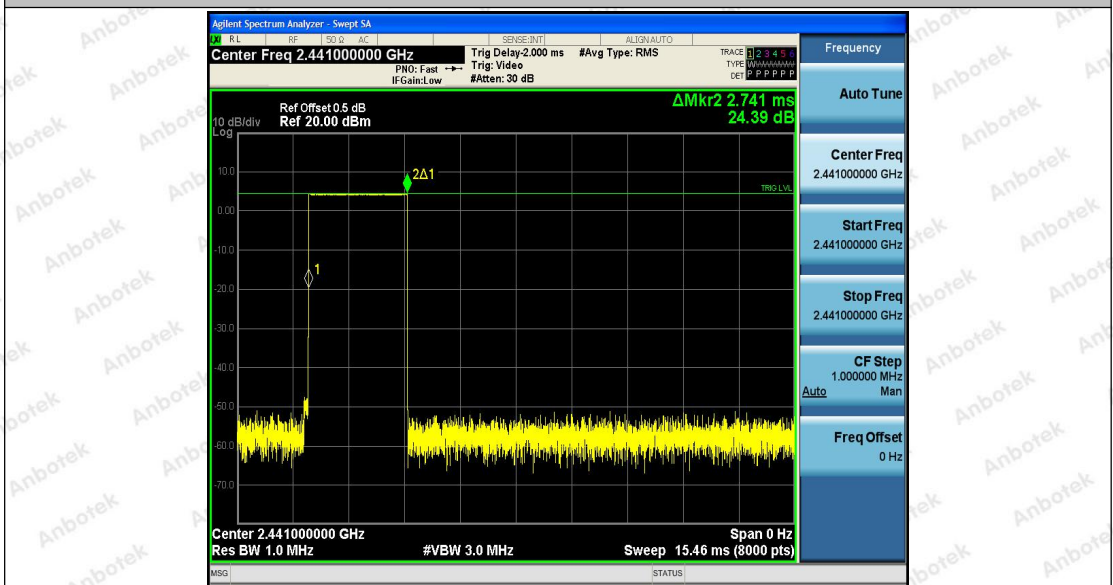
TestMode	Antenna	Channel	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.29	373	0.108	≤0.4	PASS
DH3	Ant1	Hop	1.52	172	0.262	≤0.4	PASS
DH5	Ant1	Hop	2.74	112	0.307	≤0.4	PASS

Test Graphs





DH5_Ant1_Hop

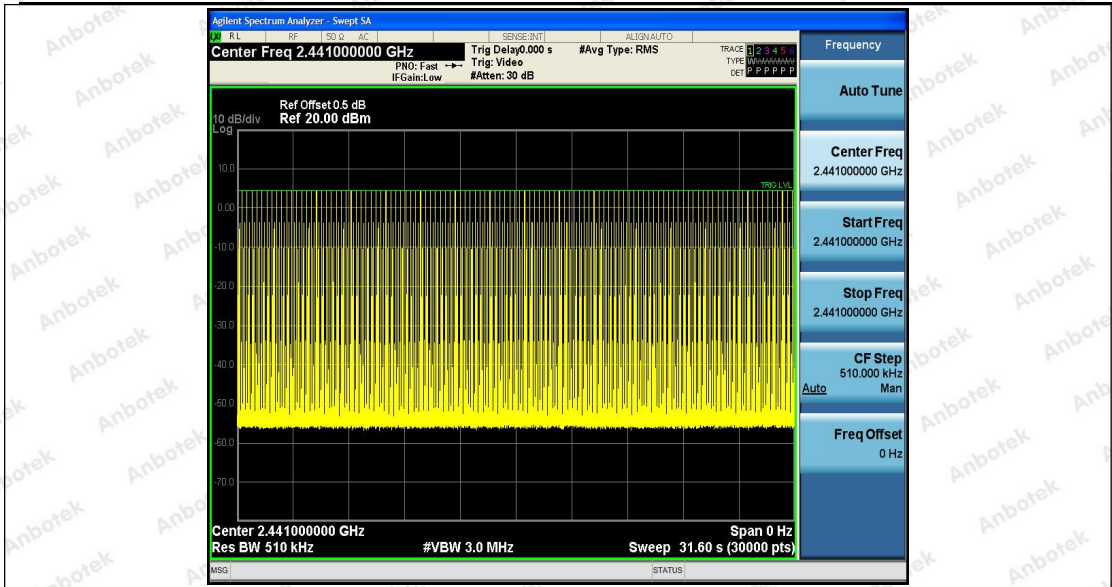


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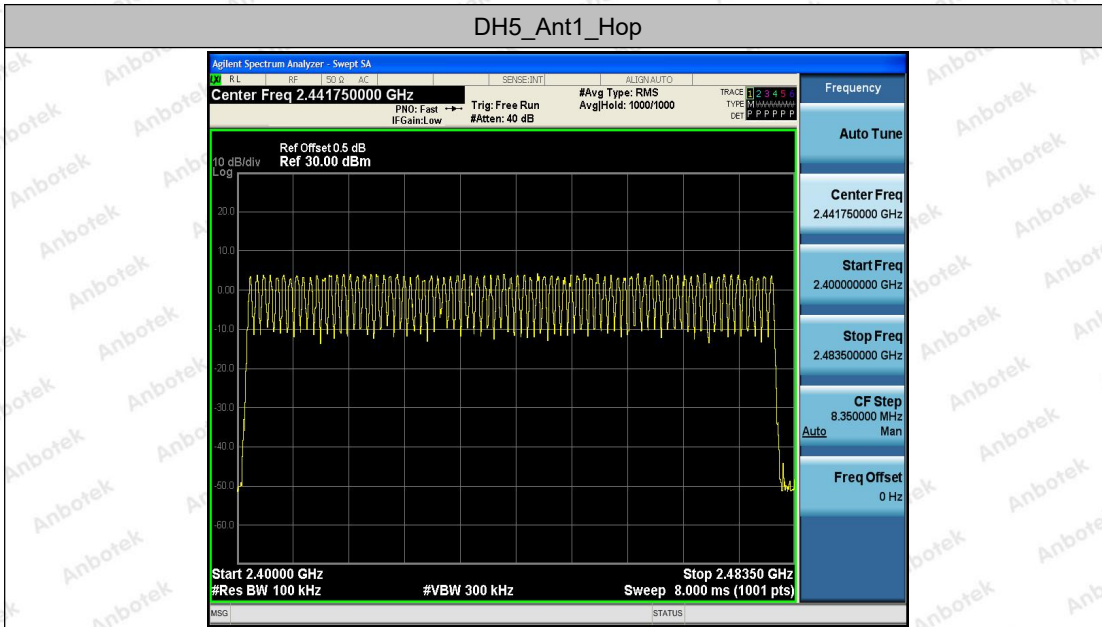
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Appendix F: Number of hopping channels

Test Result

TestMode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS

Test Graphs

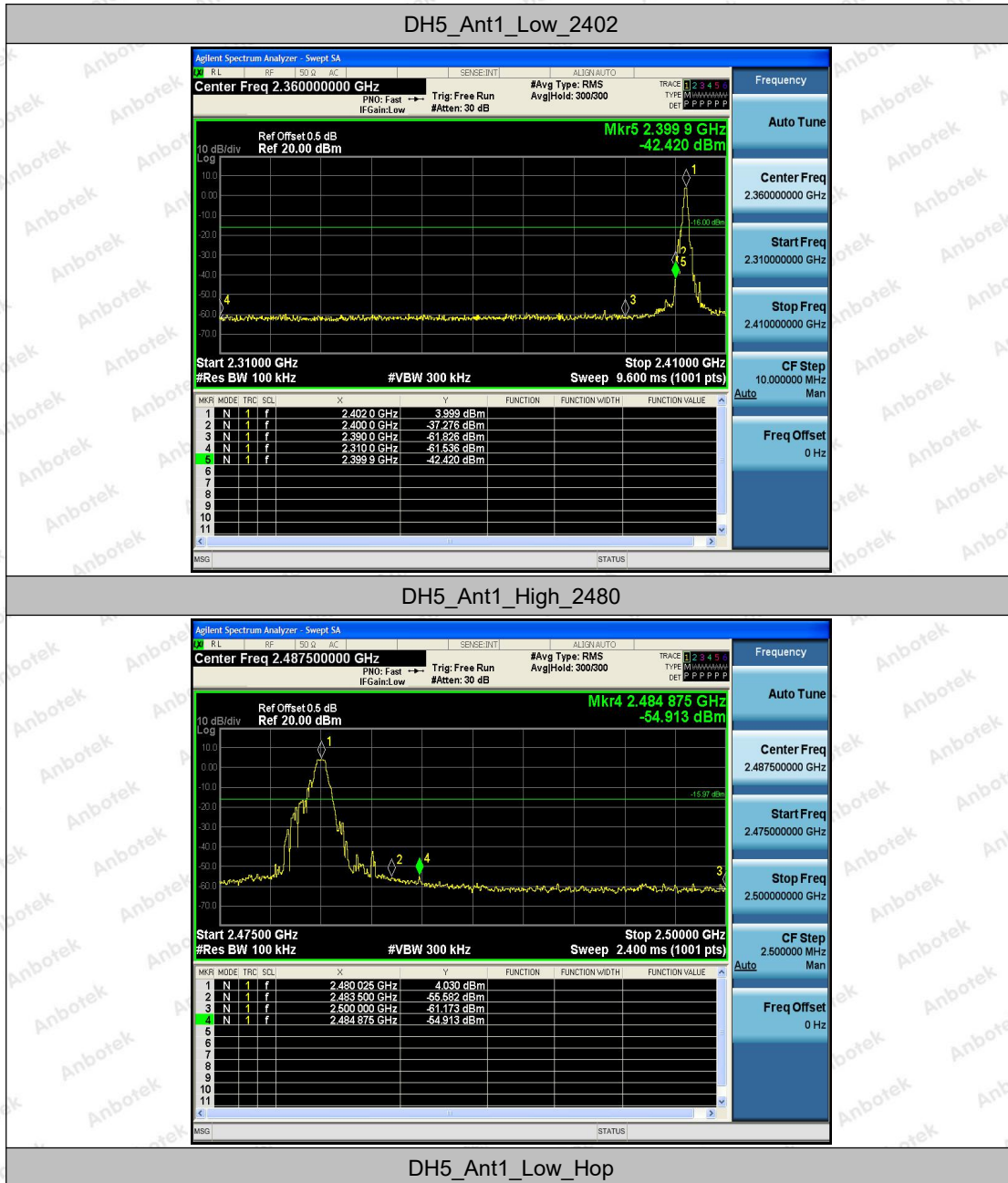


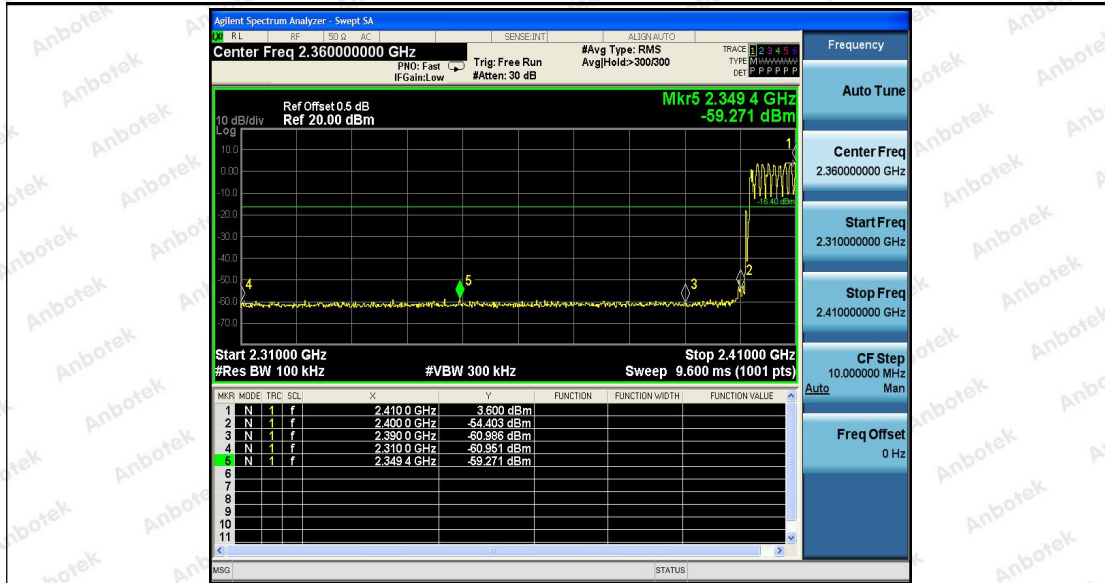
Appendix G: Band edge measurements

Test Result

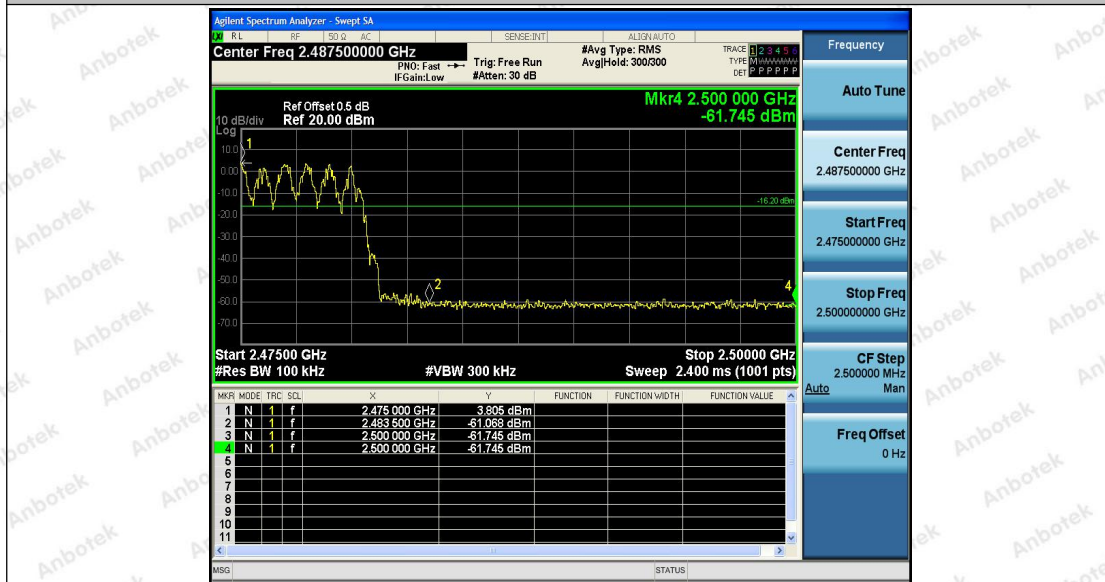
TestMode	Antenna	ChName	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	4.00	-42.42	≤-16	PASS
		High	2480	4.03	-54.91	≤-15.97	PASS
		Low	Hop	3.60	-59.27	≤-16.4	PASS
		High	Hop	3.81	-61.75	≤-16.2	PASS

Test Graphs





DH5_Ant1_High_Hop



Appendix H: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	3.60	3.60	---	PASS
			30~1000	3.60	-58.83	≤-16.4	PASS
			1000~26500	3.60	-41.61	≤-16.4	PASS
		2441	Reference	3.74	3.74	---	PASS
			30~1000	3.74	-59.42	≤-16.26	PASS
			1000~26500	3.74	-42.3	≤-16.26	PASS
		2480	Reference	3.63	3.63	---	PASS
			30~1000	3.63	-62.91	≤-16.37	PASS
			1000~26500	3.63	-39.28	≤-16.37	PASS

Test Graphs

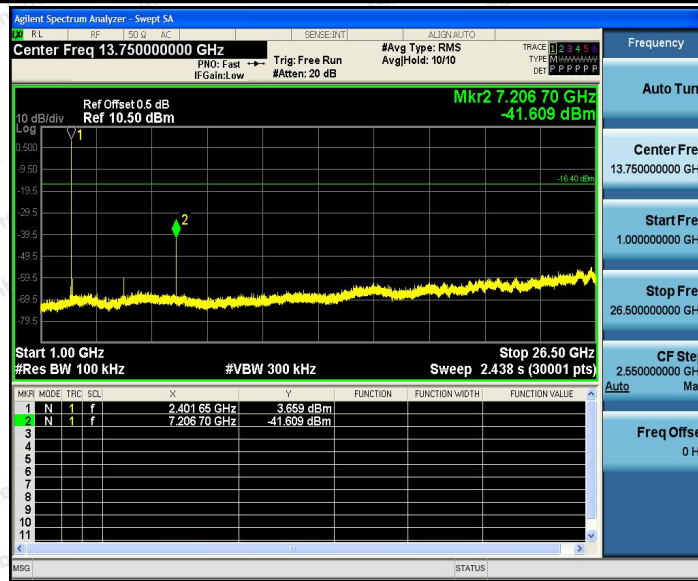


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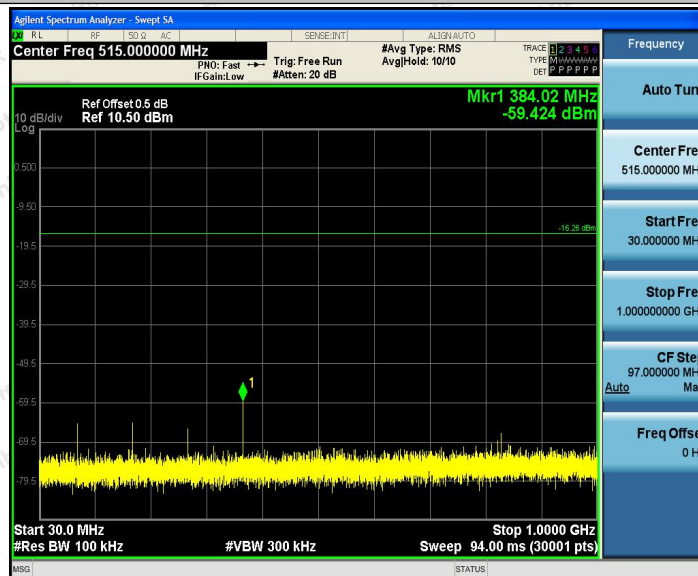
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DH5_Ant1_2441_0~Reference



DH5_Ant1_2441_30~1000

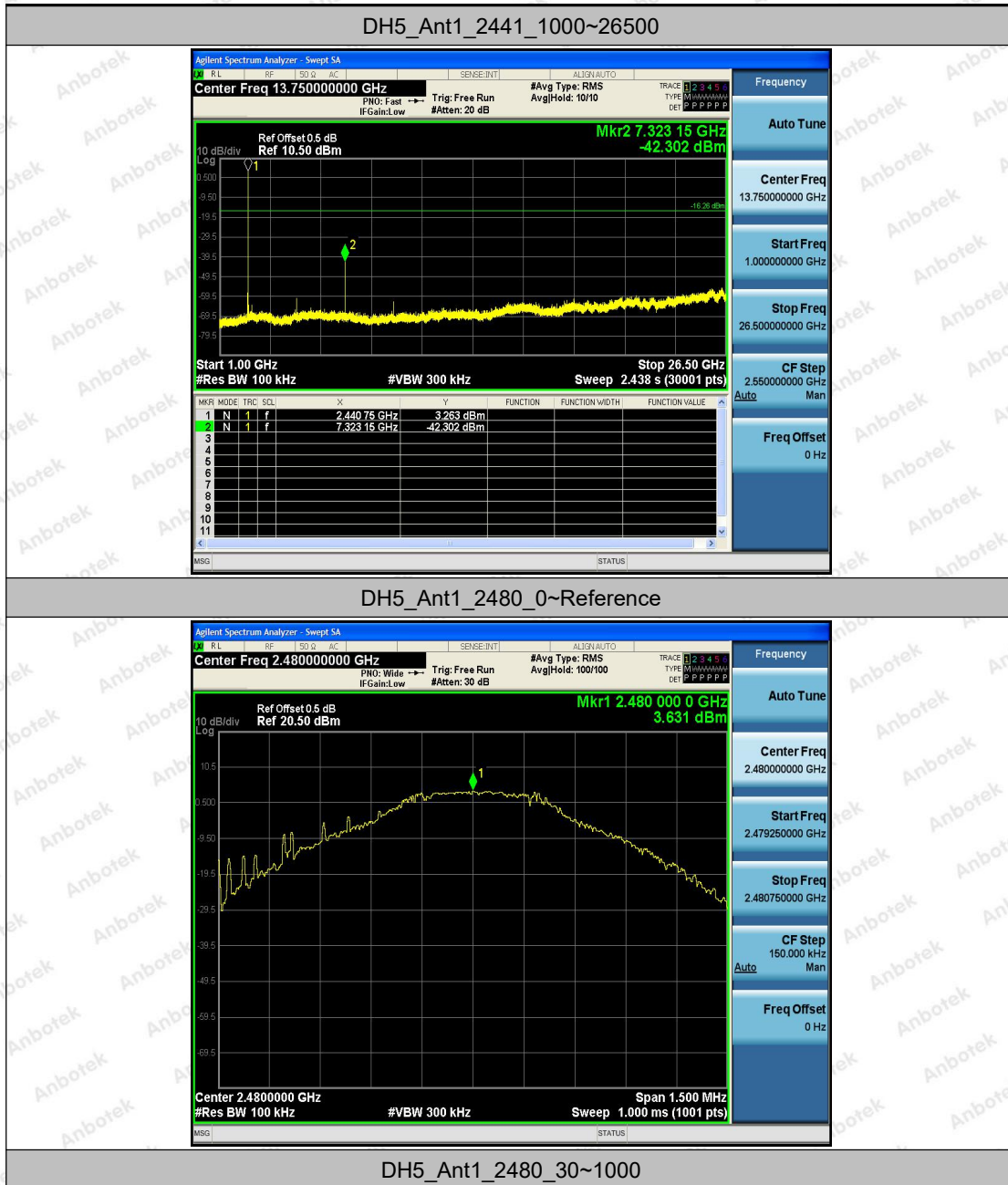


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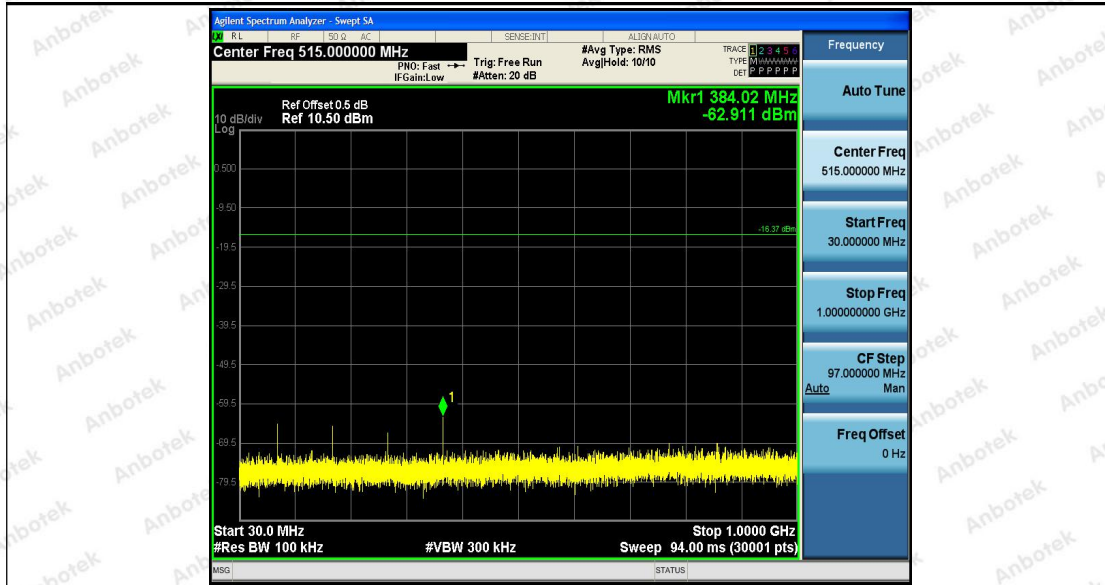


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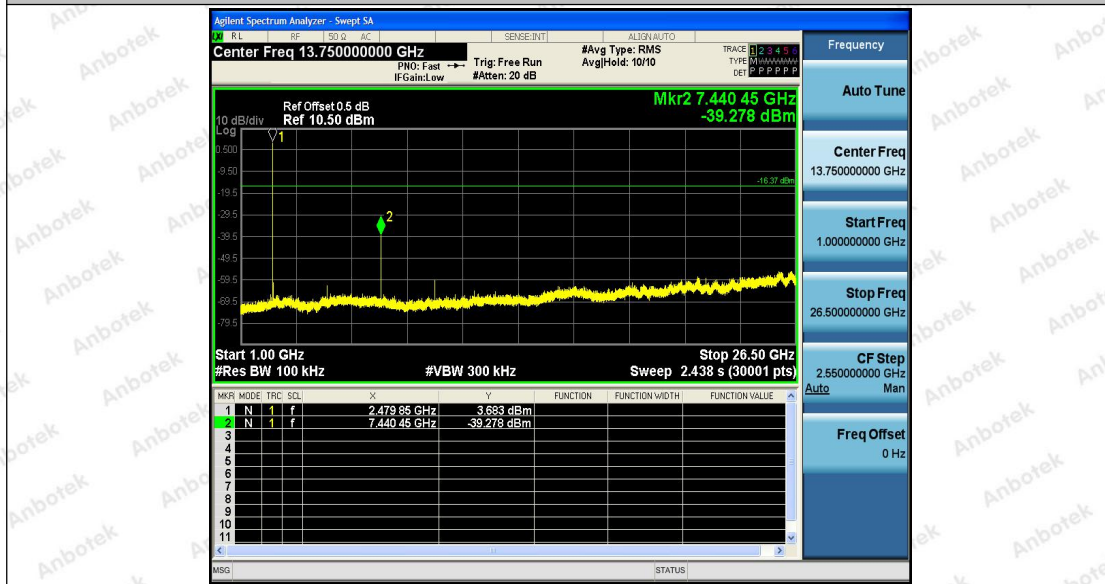
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DH5_Ant1_2480_1000~26500



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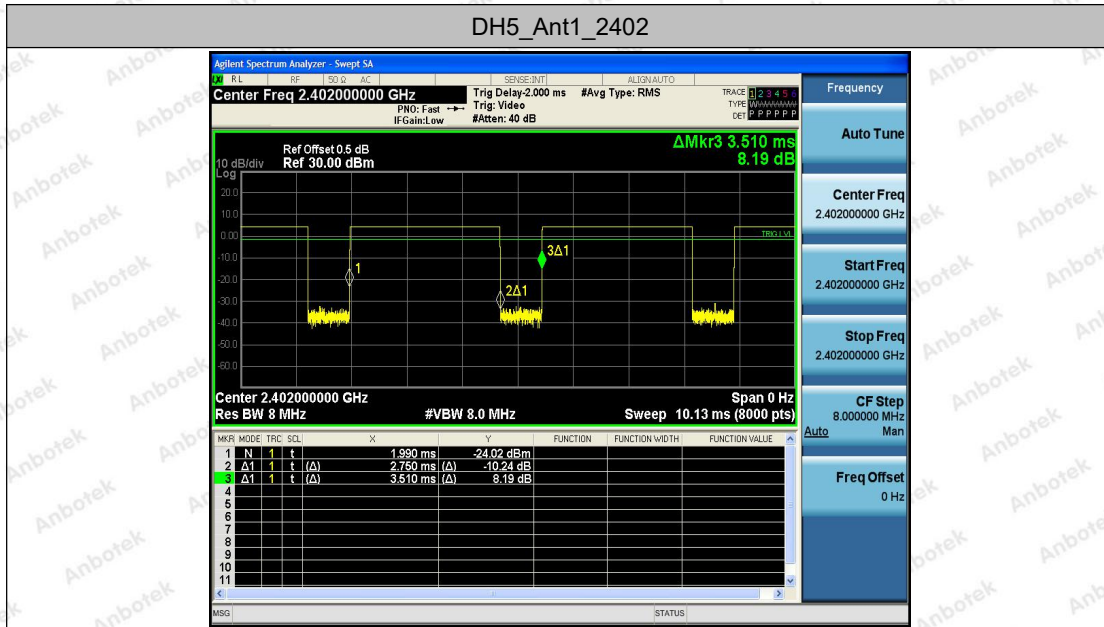
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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
DH5	Ant1	2402	2.75	3.51	0.783 5	78.35	1.06	---	PASS

Test Graphs



---End---

Test Graphs

Emissions in Restricted Bands measurements