

Appendix Test Data

Report No:	182513C400031101	Test Sample NO:	1-2-2
Start Test Date:	2024.6.24	Finish Test Date:	2024.6.26
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	26.3°C	Relative Humidity:	45%
Pressure:	101 kPa		

Appendix A: 20dB Emission Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.95	2401.52	2402.47	---	---
DH5	Ant1	2441	0.94	2440.52	2441.46	---	---
DH5	Ant1	2480	0.94	2479.51	2480.46	---	---
2DH5	Ant1	2402	1.31	2401.34	2402.65	---	---
2DH5	Ant1	2441	1.32	2440.34	2441.66	---	---
2DH5	Ant1	2480	1.32	2479.33	2480.65	---	---
3DH5	Ant1	2402	1.34	2401.32	2402.65	---	---
3DH5	Ant1	2441	1.36	2440.31	2441.66	---	---
3DH5	Ant1	2480	1.35	2479.31	2480.66	---	---

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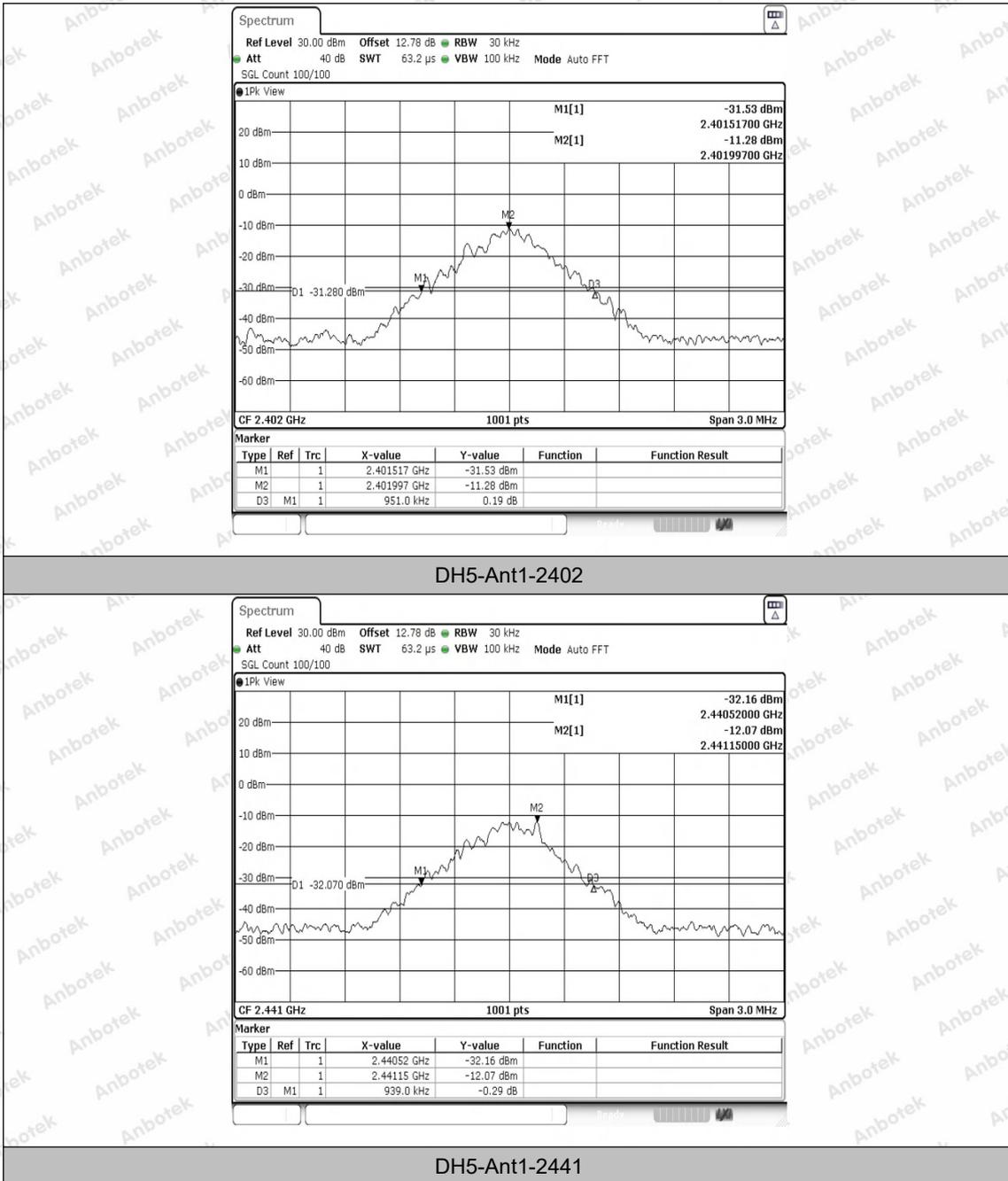
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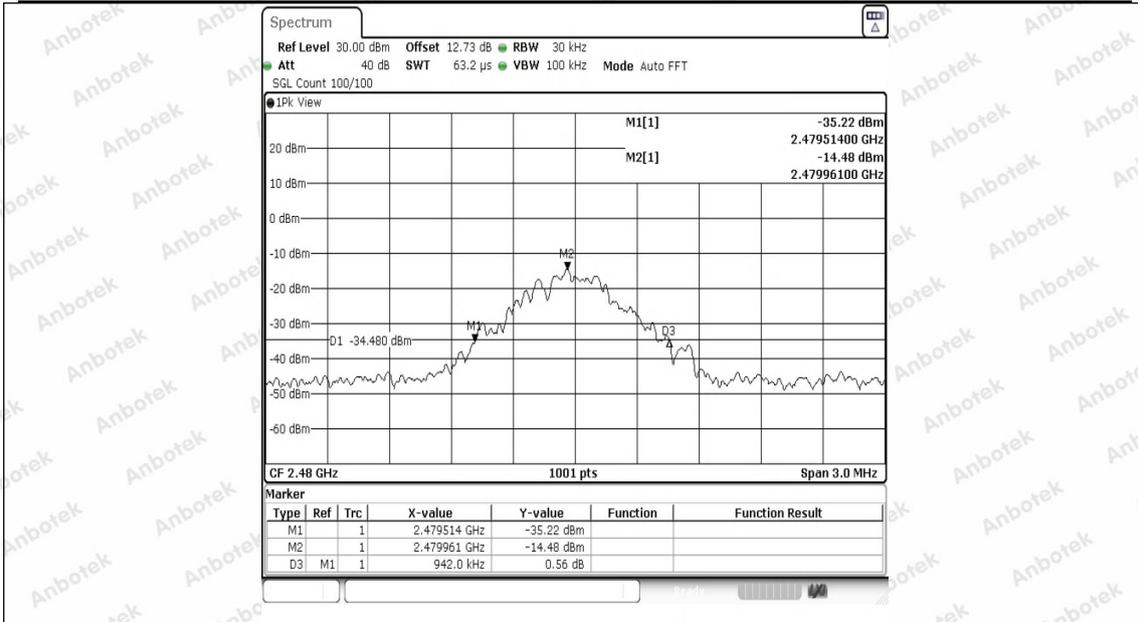


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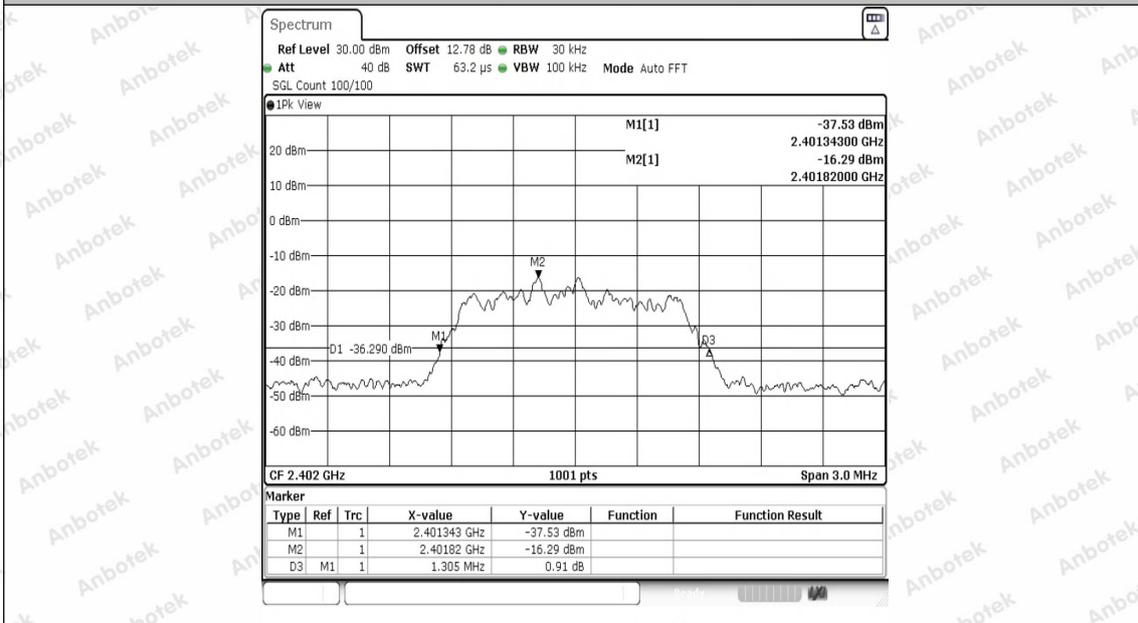


Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402

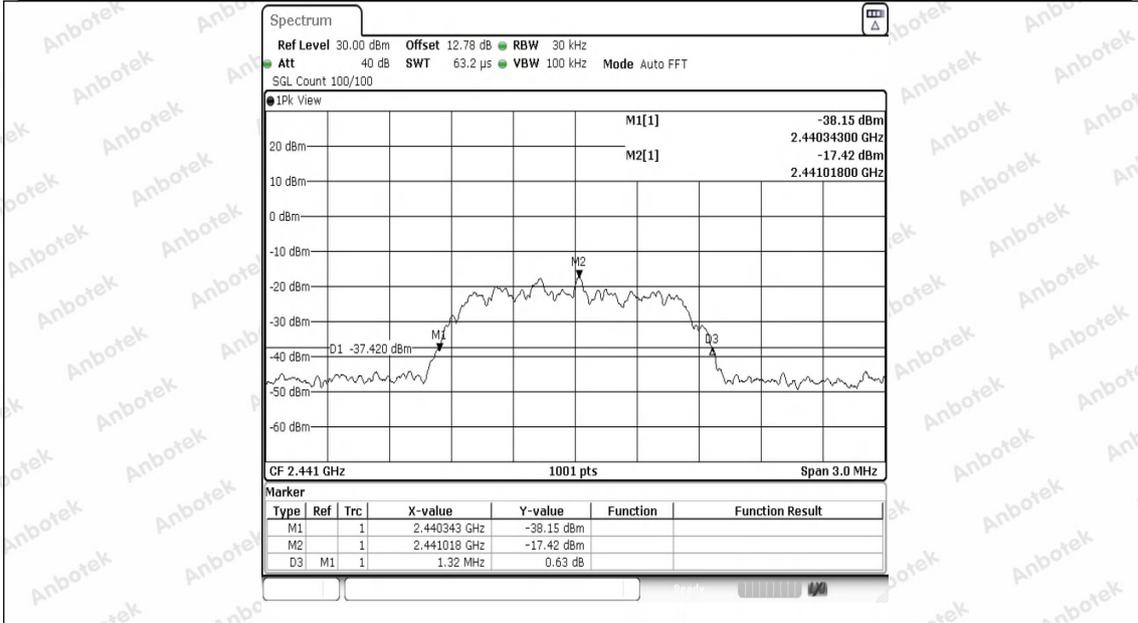
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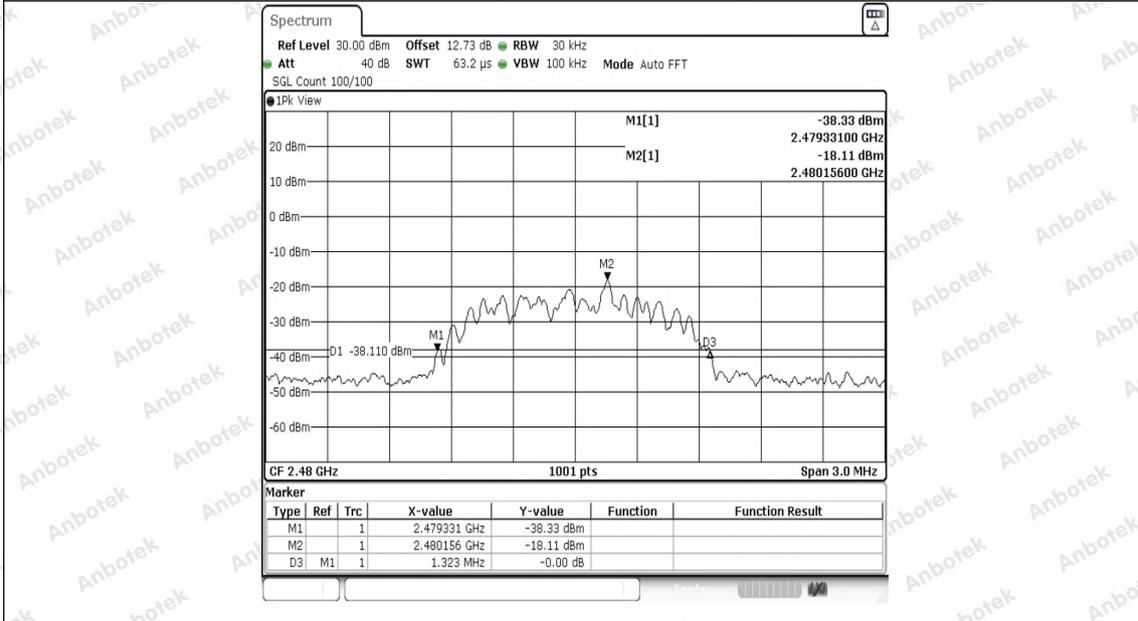


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2DH5-Ant1-2441



2DH5-Ant1-2480

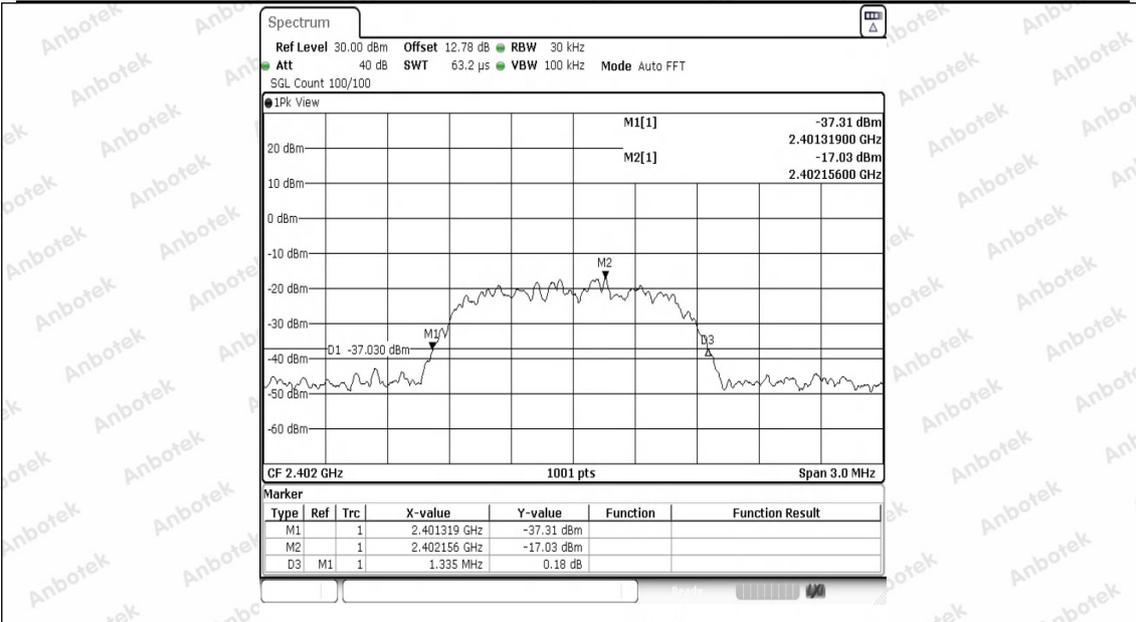
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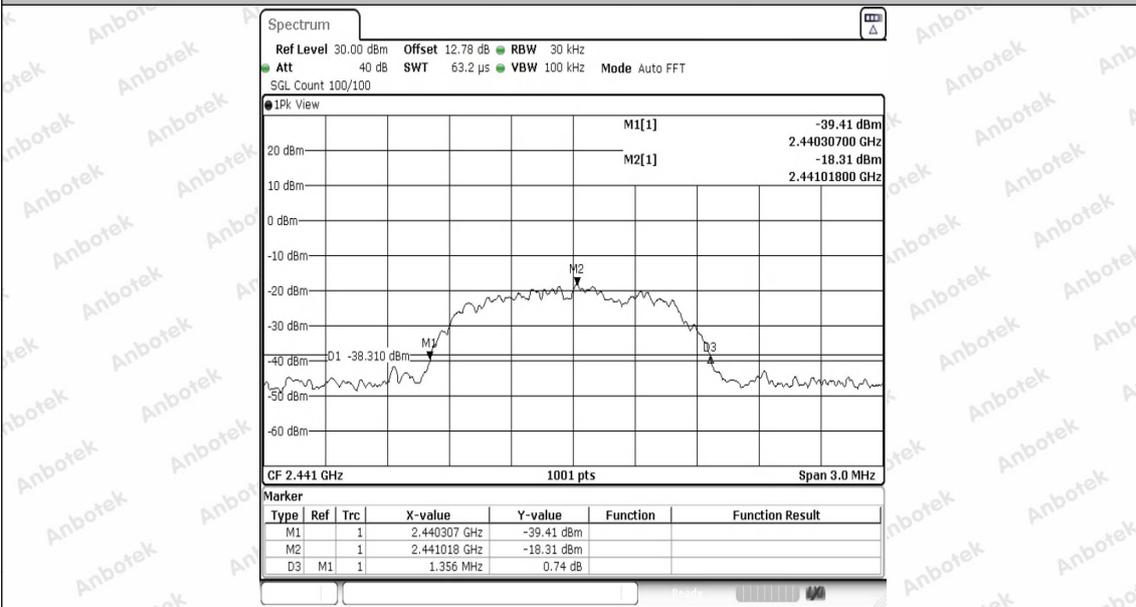


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3DH5-Ant1-2402



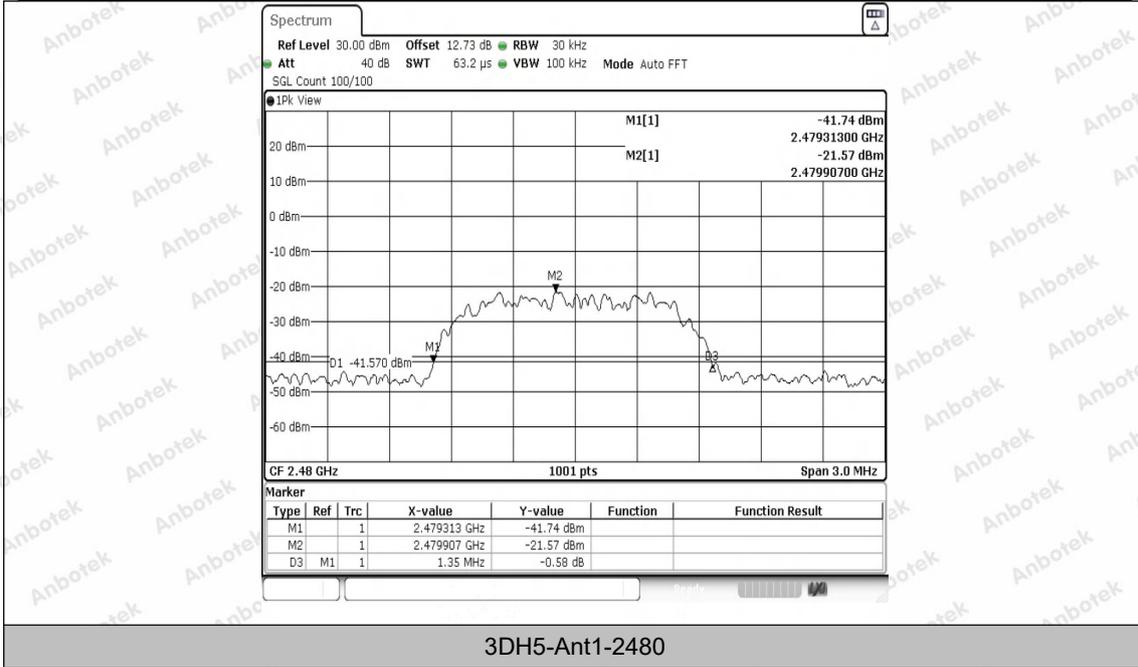
3DH5-Ant1-2441

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3DH5-Ant1-2480

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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.938	2401.5265	2402.4645	---	---
DH5	Ant1	2441	0.935	2440.5235	2441.4585	---	---
DH5	Ant1	2480	1.046	2479.4605	2480.5065	---	---
2DH5	Ant1	2402	1.253	2401.3706	2402.6234	---	---
2DH5	Ant1	2441	1.256	2440.3676	2441.6234	---	---
2DH5	Ant1	2480	1.349	2479.3227	2480.6713	---	---
3DH5	Ant1	2402	1.244	2401.3616	2402.6054	---	---
3DH5	Ant1	2441	1.253	2440.3616	2441.6144	---	---
3DH5	Ant1	2480	1.313	2479.3407	2480.6533	---	---

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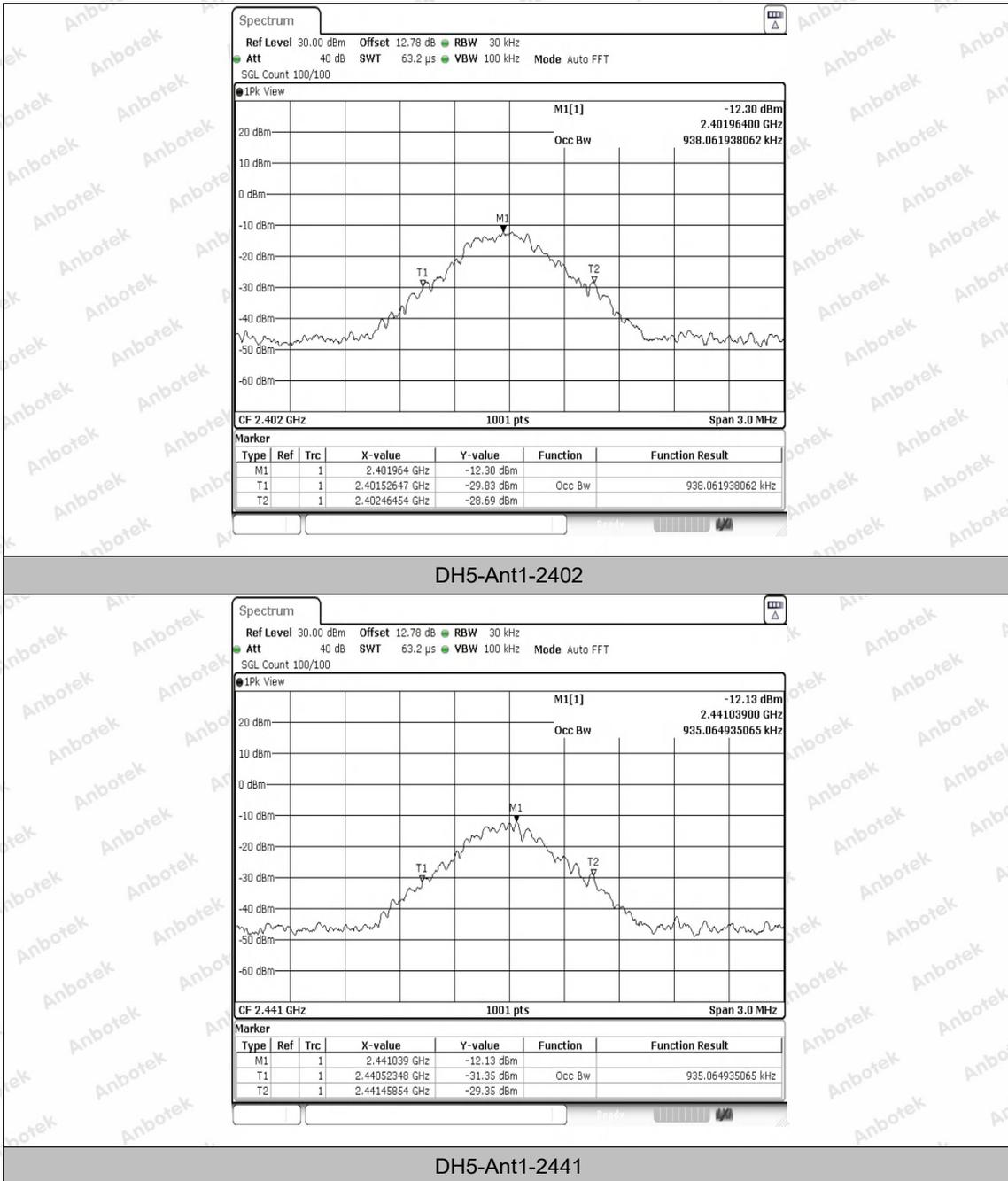
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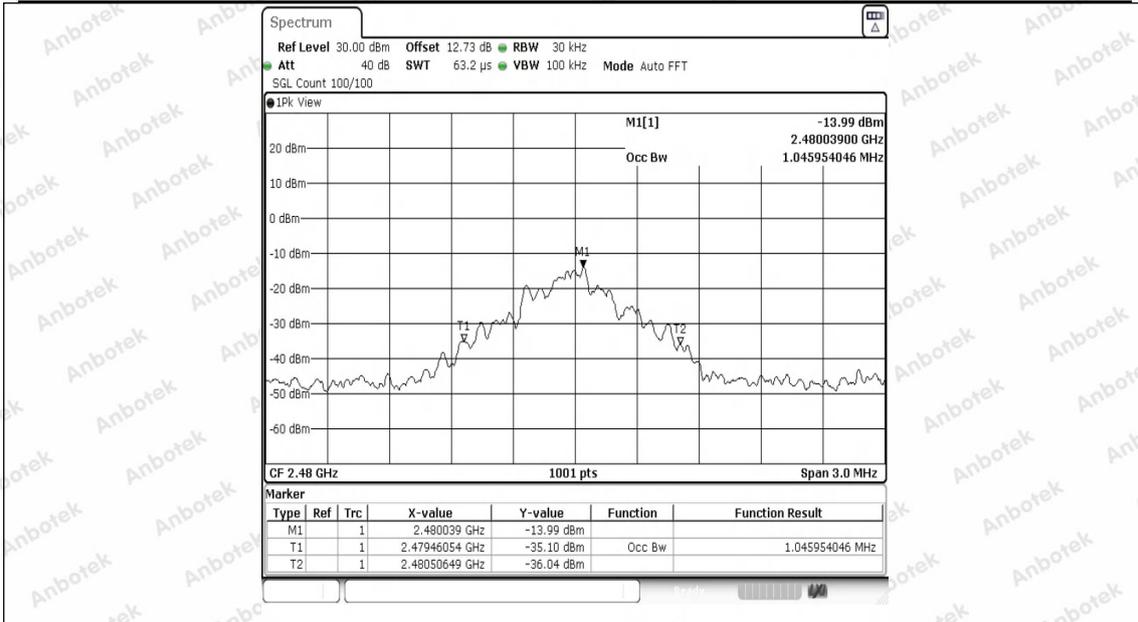


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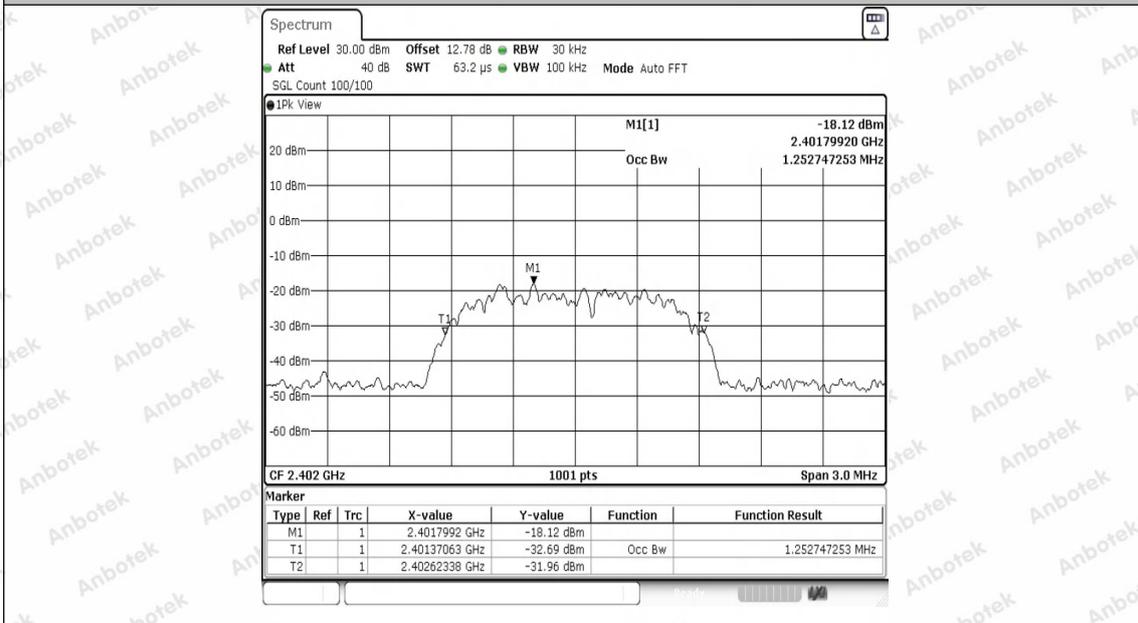


Test Graphs





DH5-Ant1-2480



2DH5-Ant1-2402

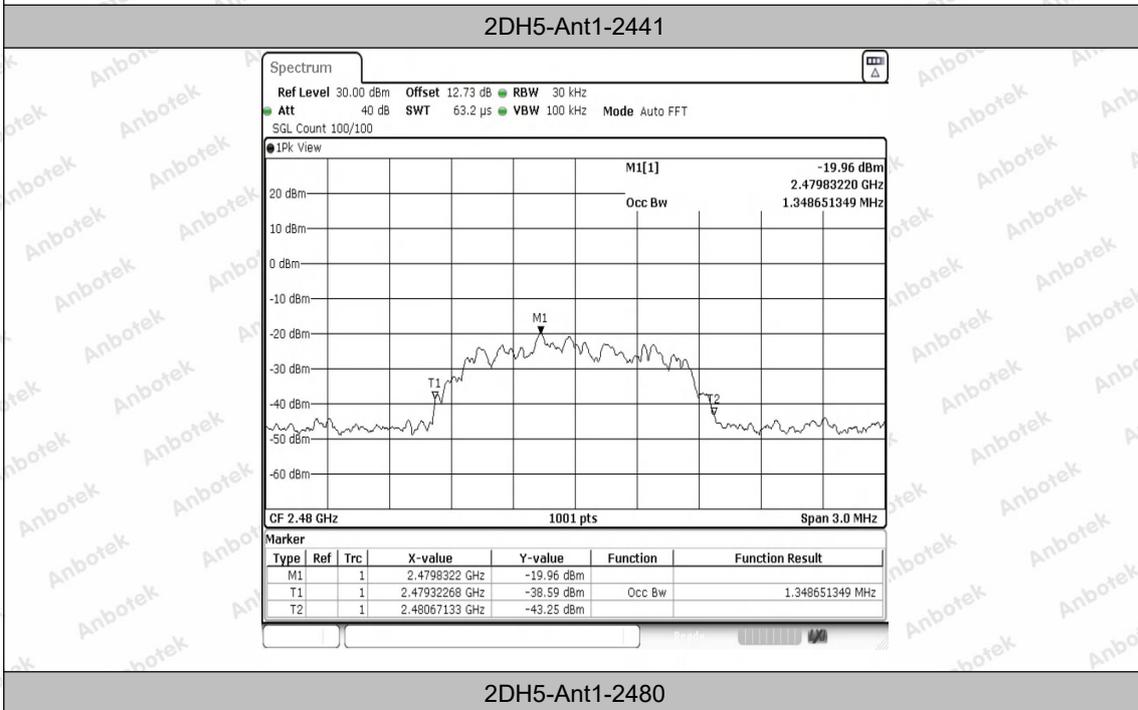
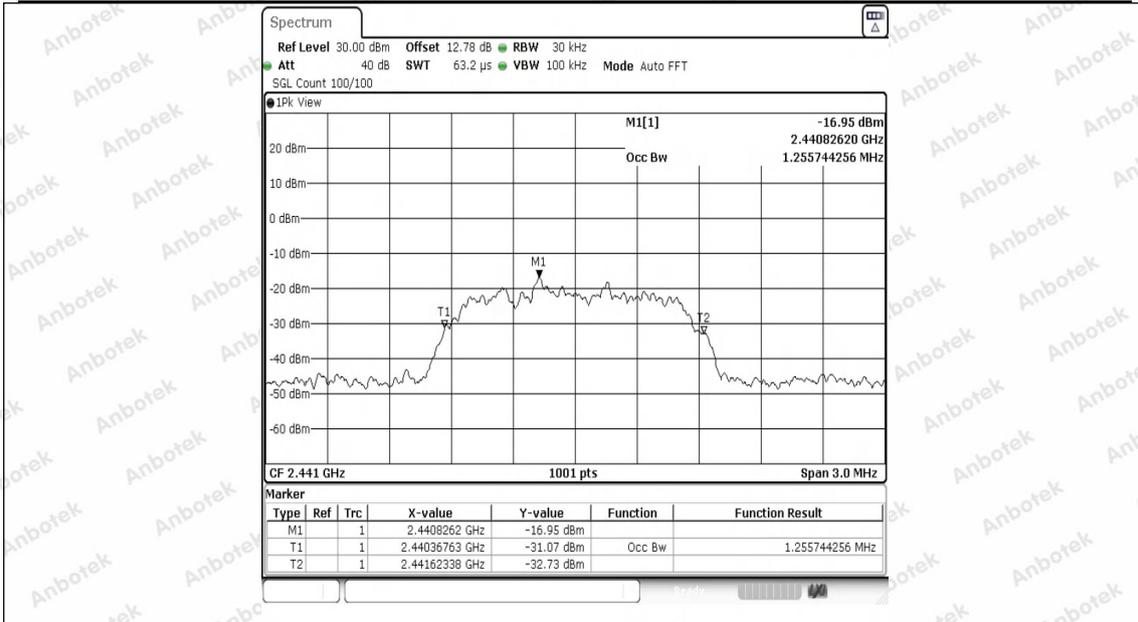
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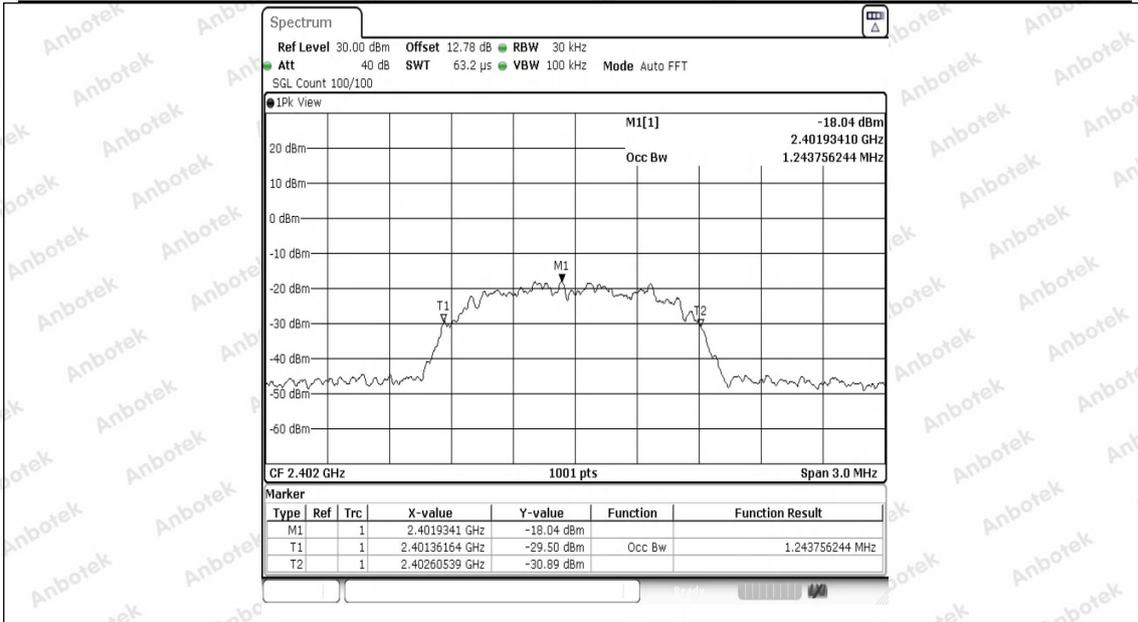
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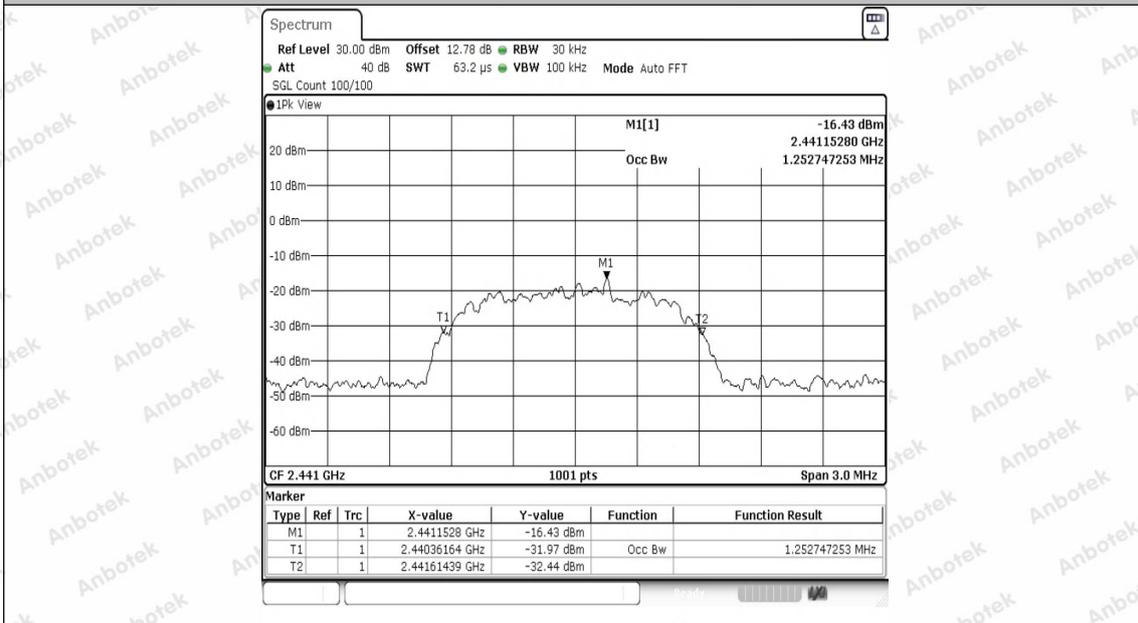


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3DH5-Ant1-2402



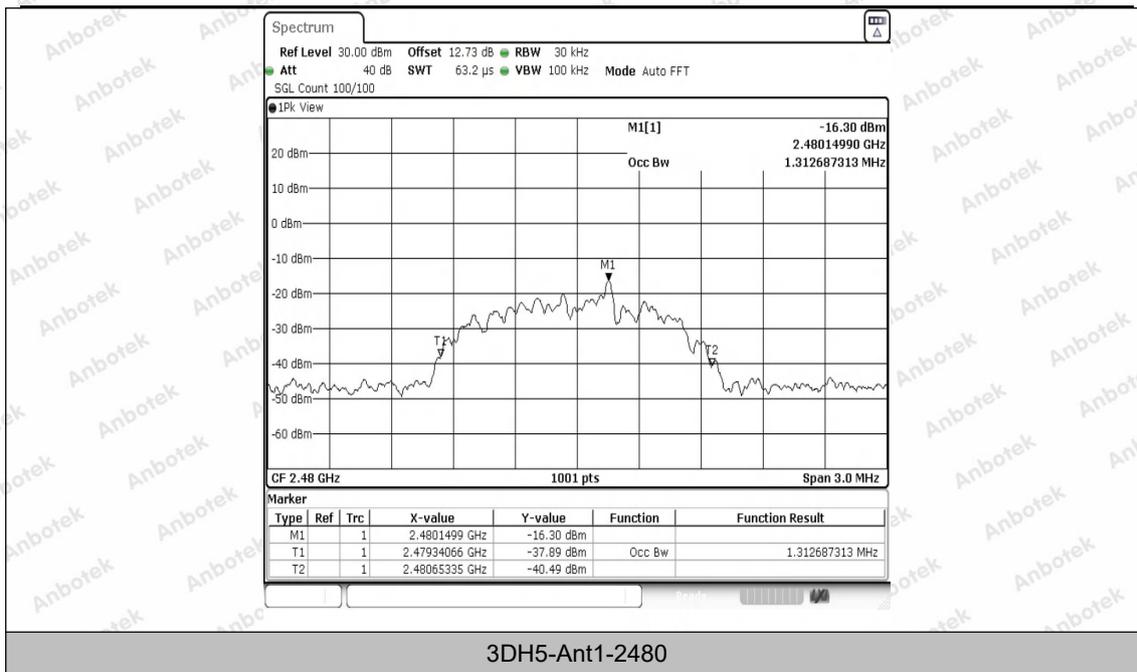
3DH5-Ant1-2441

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3DH5-Ant1-2480

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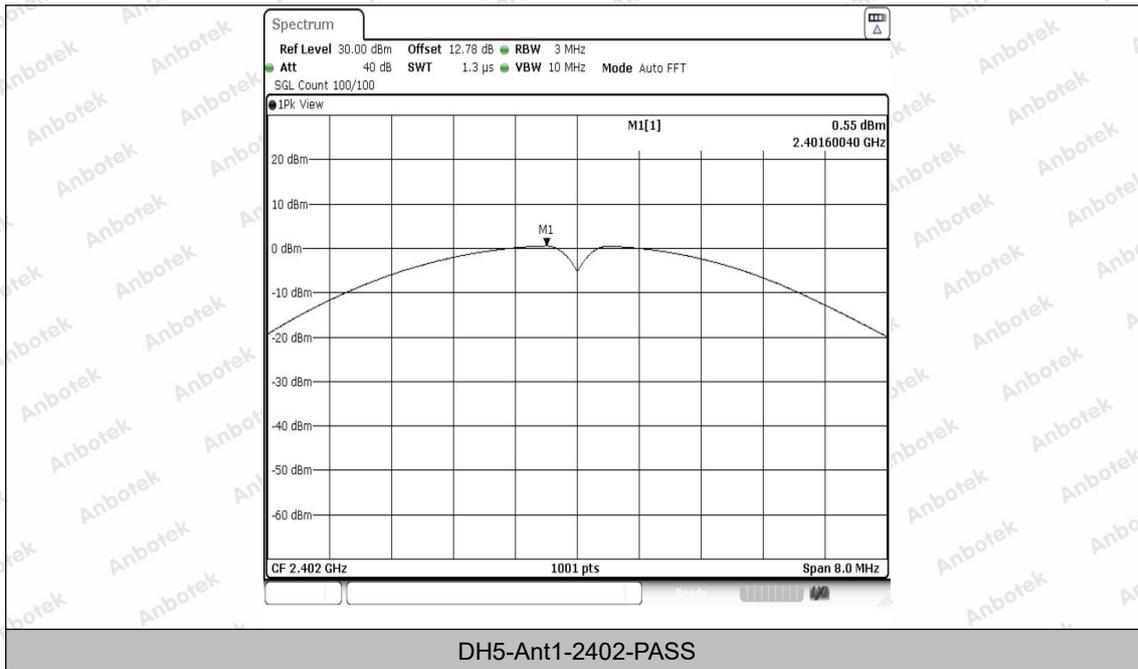


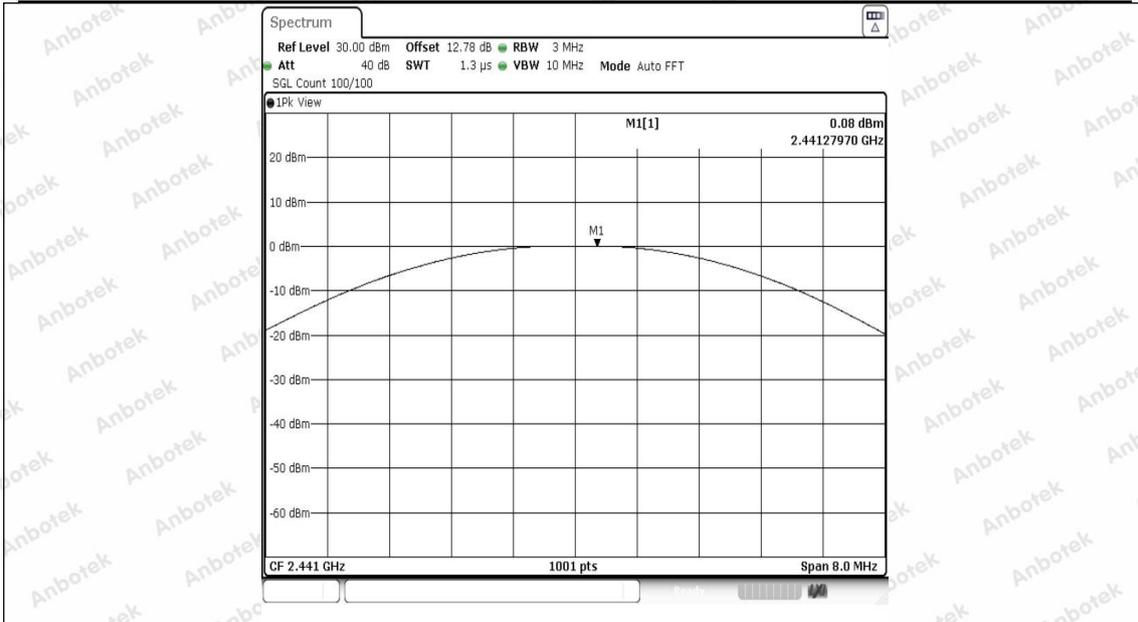
Appendix C: Maximum conducted output power

Test Result Peak

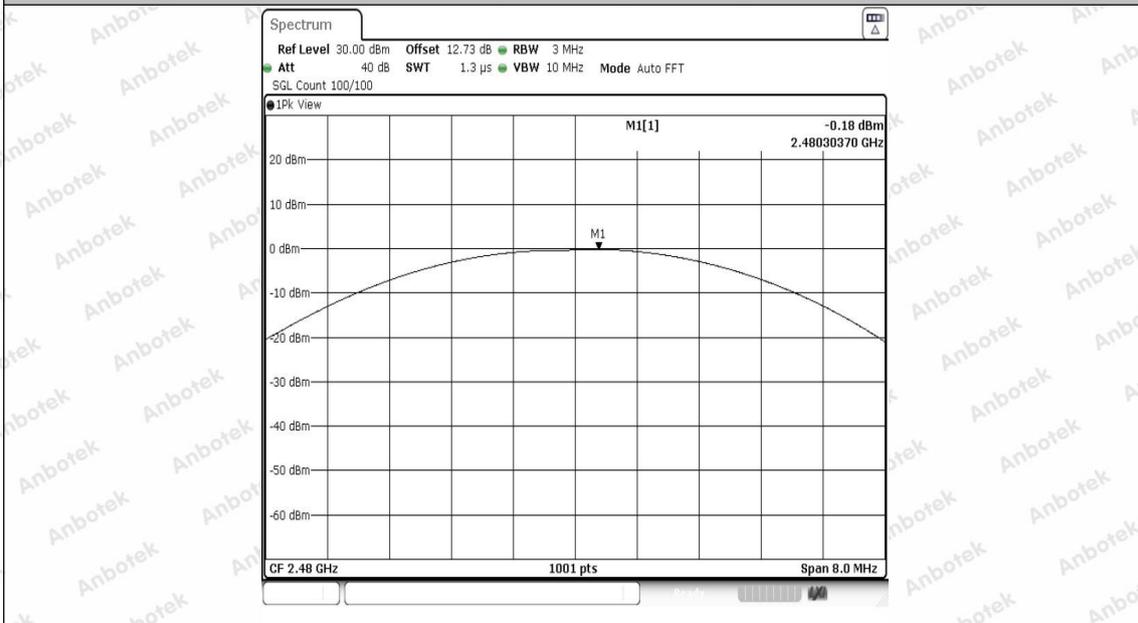
Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
DH5	Ant1	2402	0.55	≤20.97	PASS
DH5	Ant1	2441	0.08	≤20.97	PASS
DH5	Ant1	2480	-0.18	≤20.97	PASS
2DH5	Ant1	2402	2.21	≤20.97	PASS
2DH5	Ant1	2441	2.19	≤20.97	PASS
2DH5	Ant1	2480	1.70	≤20.97	PASS
3DH5	Ant1	2402	2.42	≤20.97	PASS
3DH5	Ant1	2441	2.85	≤20.97	PASS
3DH5	Ant1	2480	1.59	≤20.97	PASS

Test Graphs



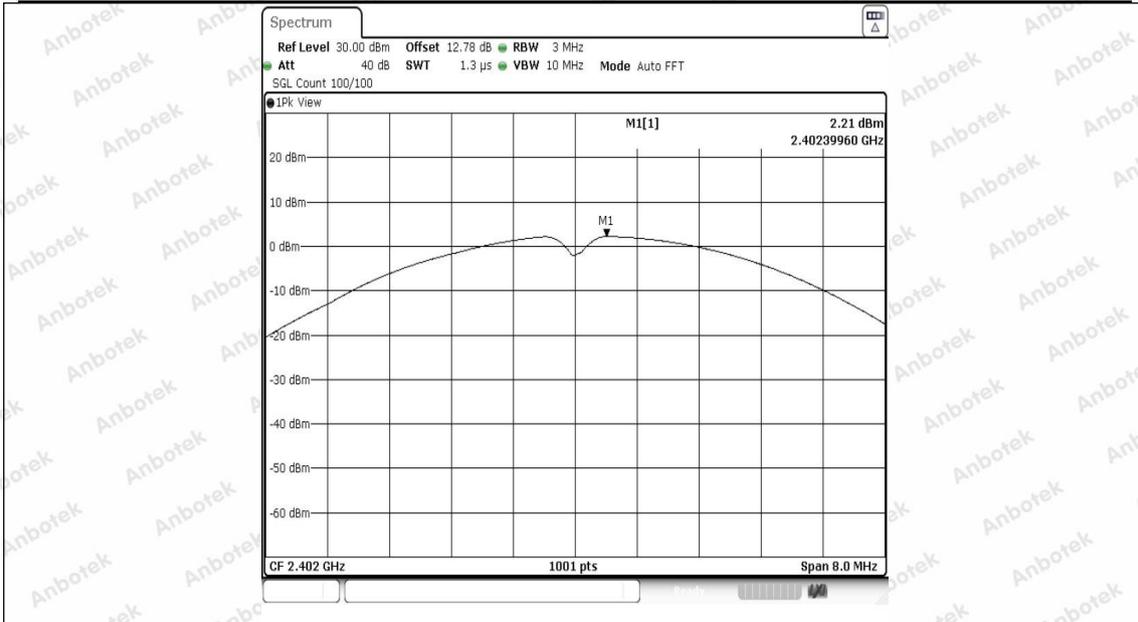


DH5-Ant1-2441-PASS

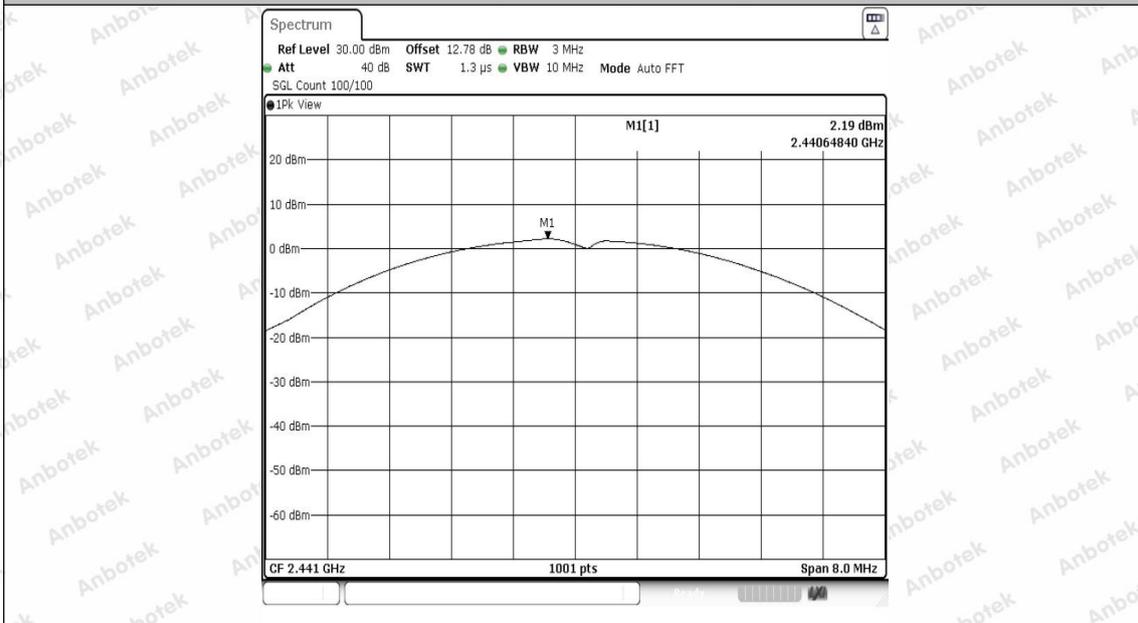


DH5-Ant1-2480-PASS



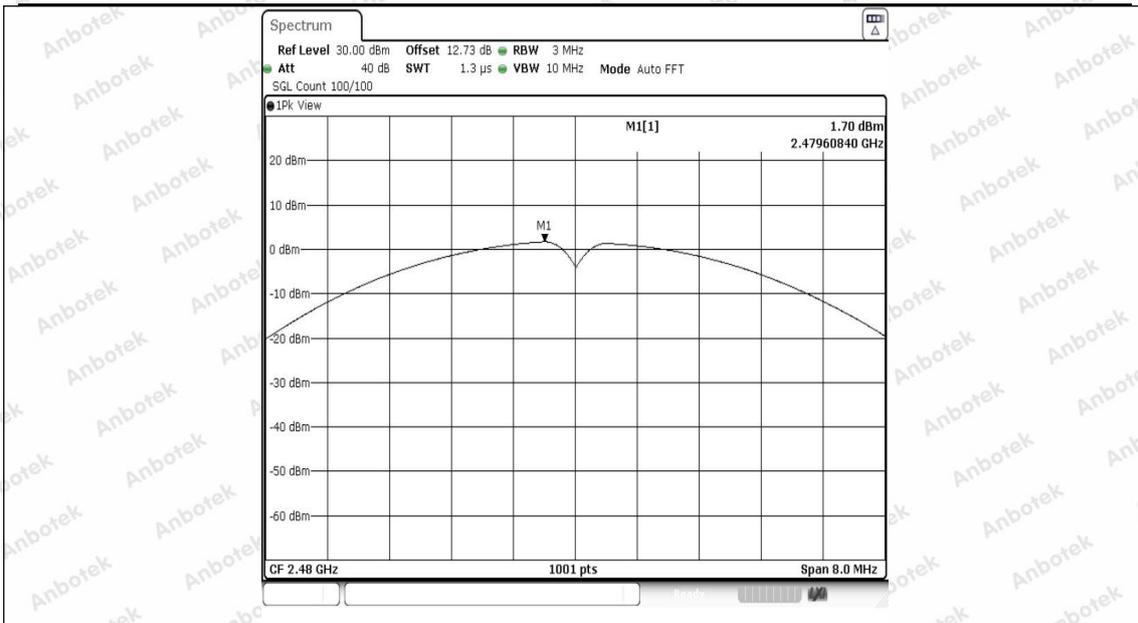


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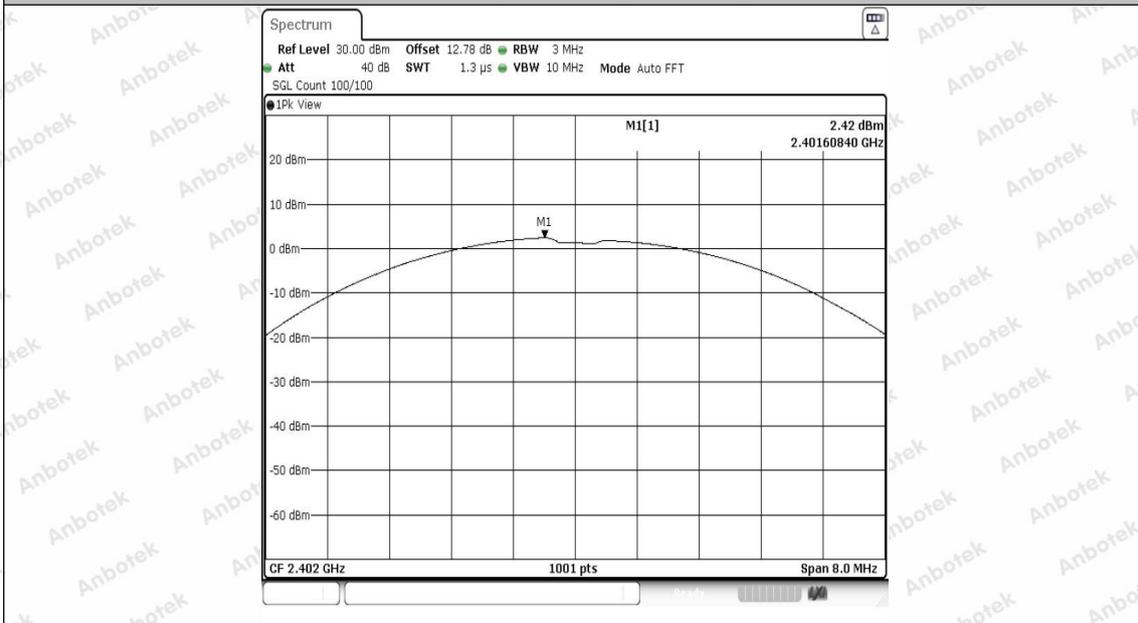


2DH5-Ant1-2441-PASS





2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS

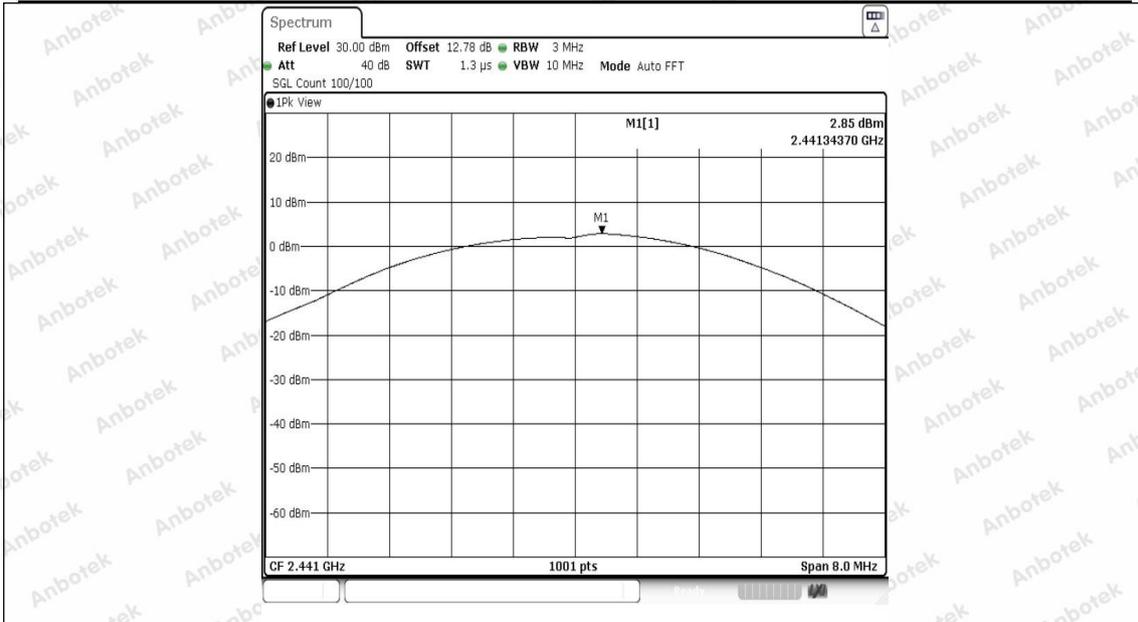
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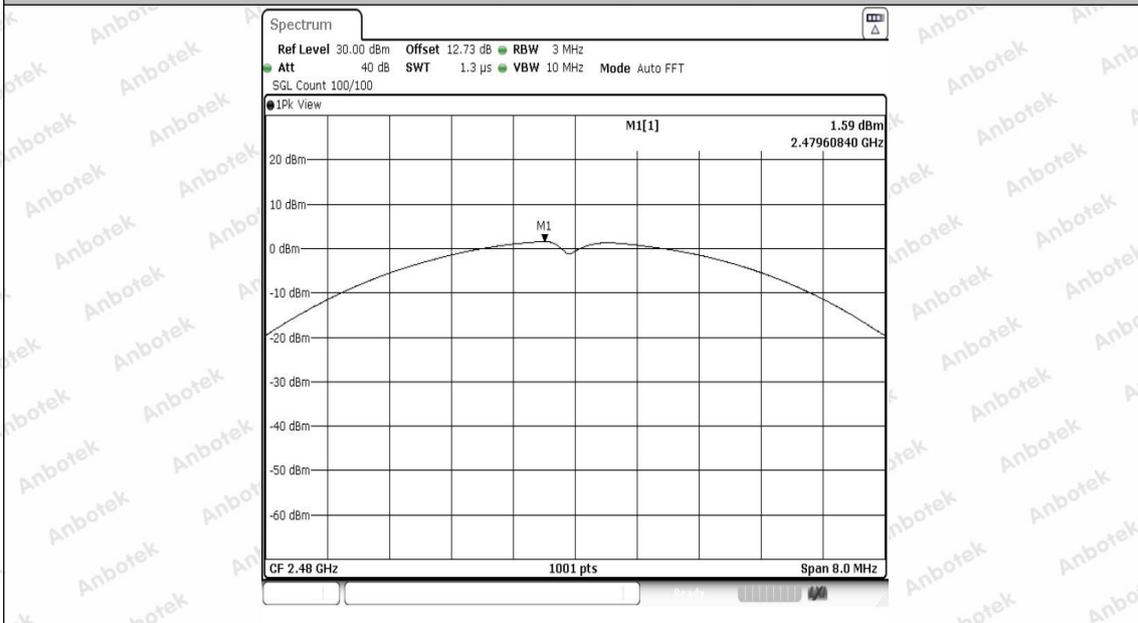


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3DH5-Ant1-2441-PASS



3DH5-Ant1-2480-PASS

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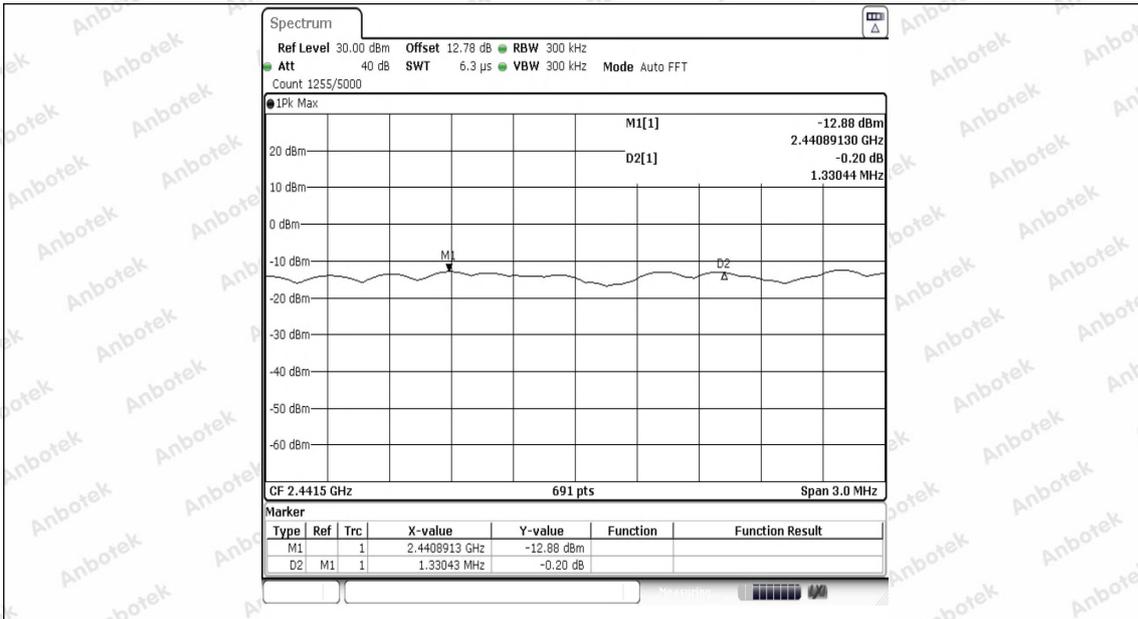
Appendix D: Carrier frequency separation

Test Result

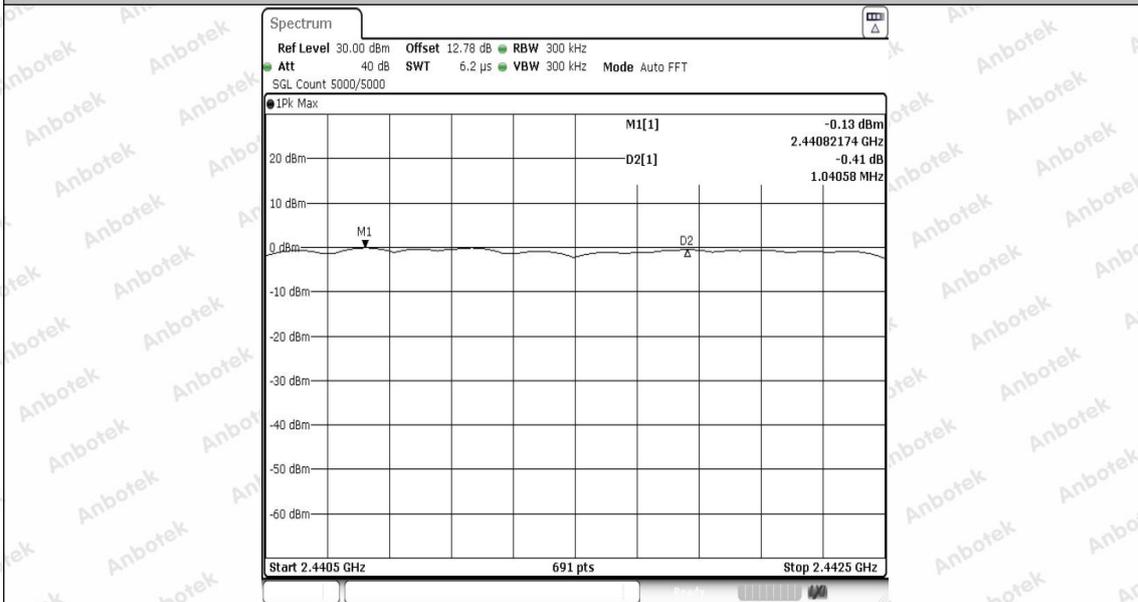
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.330	≥ 0.633	PASS
2DH5	Ant1	Hop	1.041	≥ 0.880	PASS
3DH5	Ant1	Hop	0.991	≥ 0.907	PASS



Test Graphs

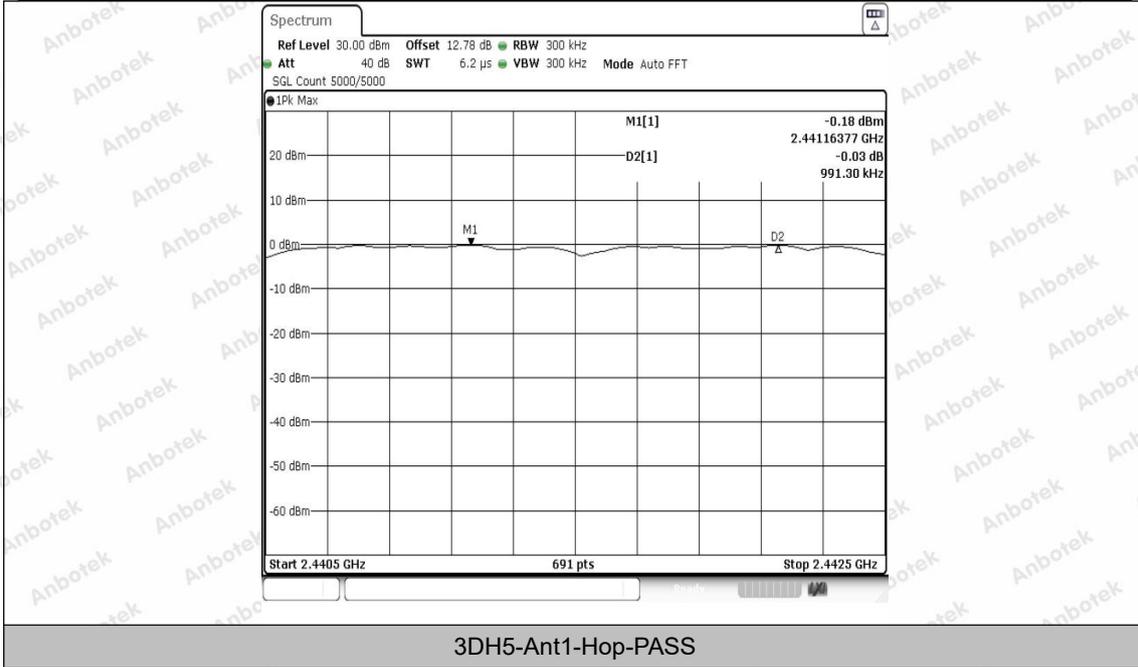


DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS





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Appendix E: Time of occupancy

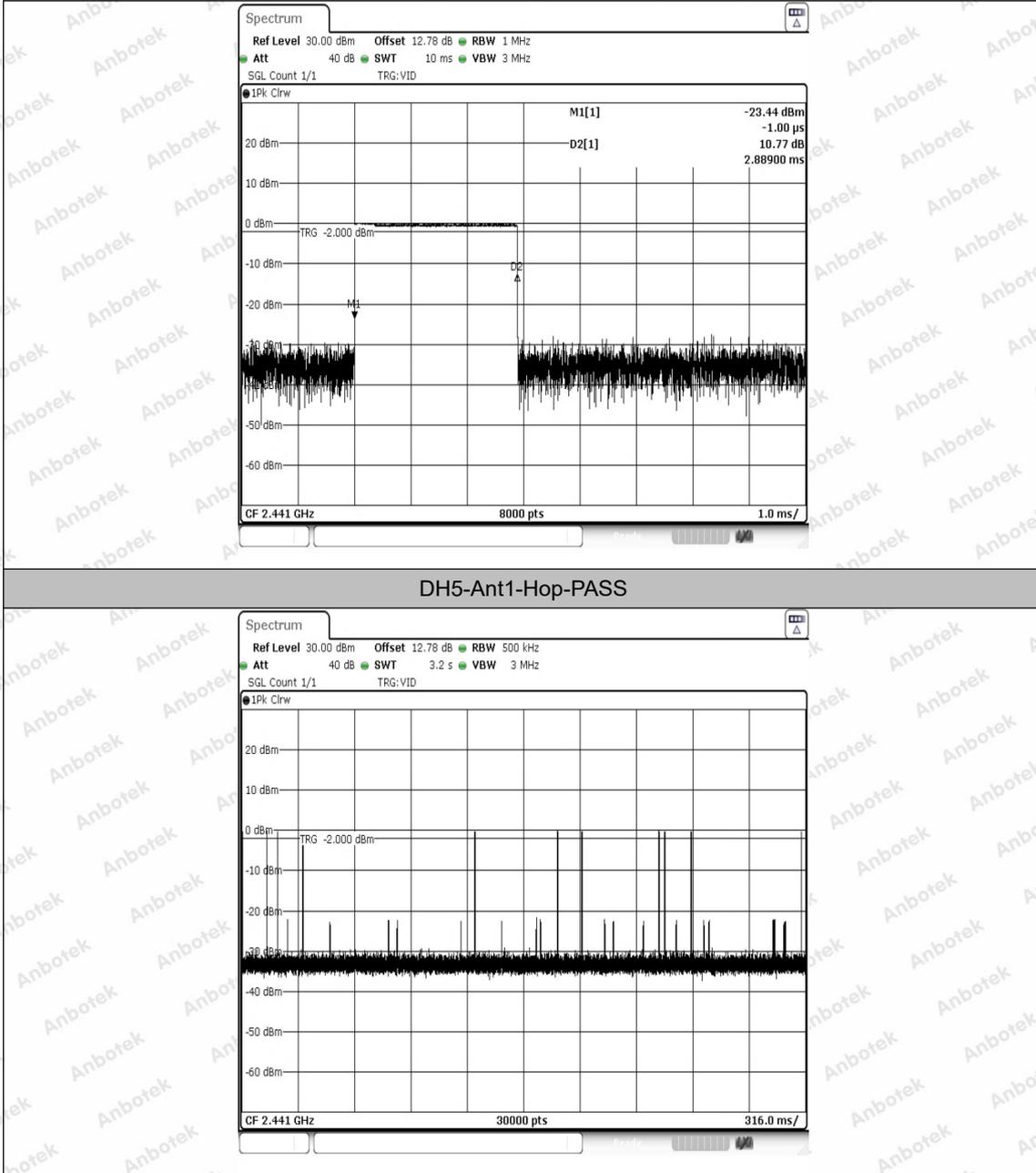
Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.889	110	0.318	≤0.4	PASS
2DH5	Ant1	Hop	2.884	100	0.288	≤0.4	PASS
3DH5	Ant1	Hop	2.889	130	0.376	≤0.4	PASS

Note: Only the worst data of each mode is tested.



Test Graphs

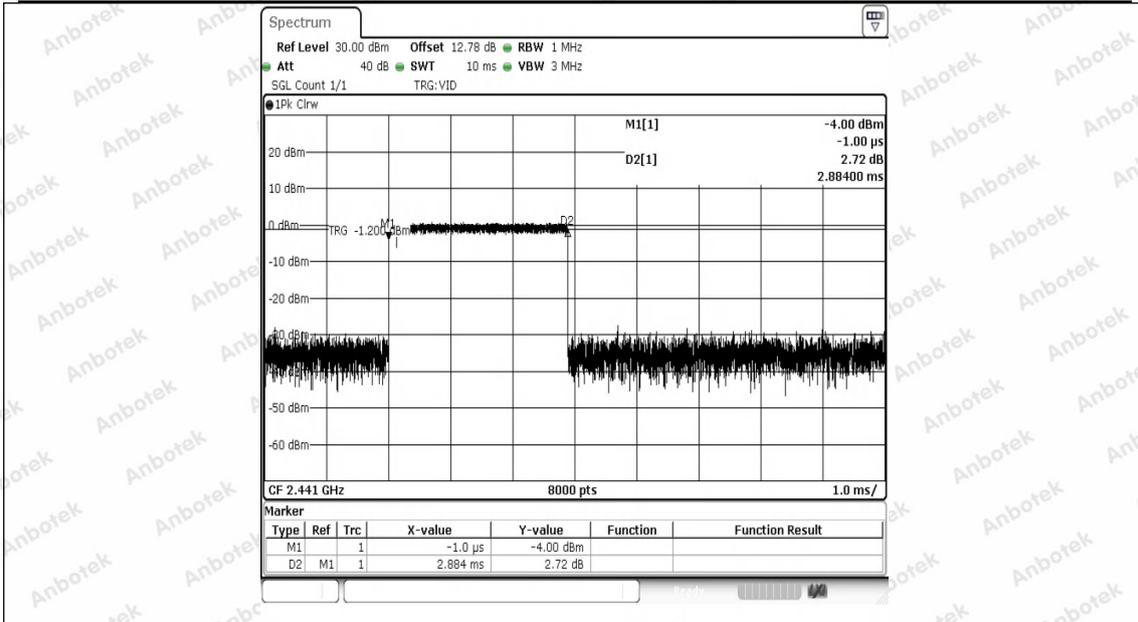


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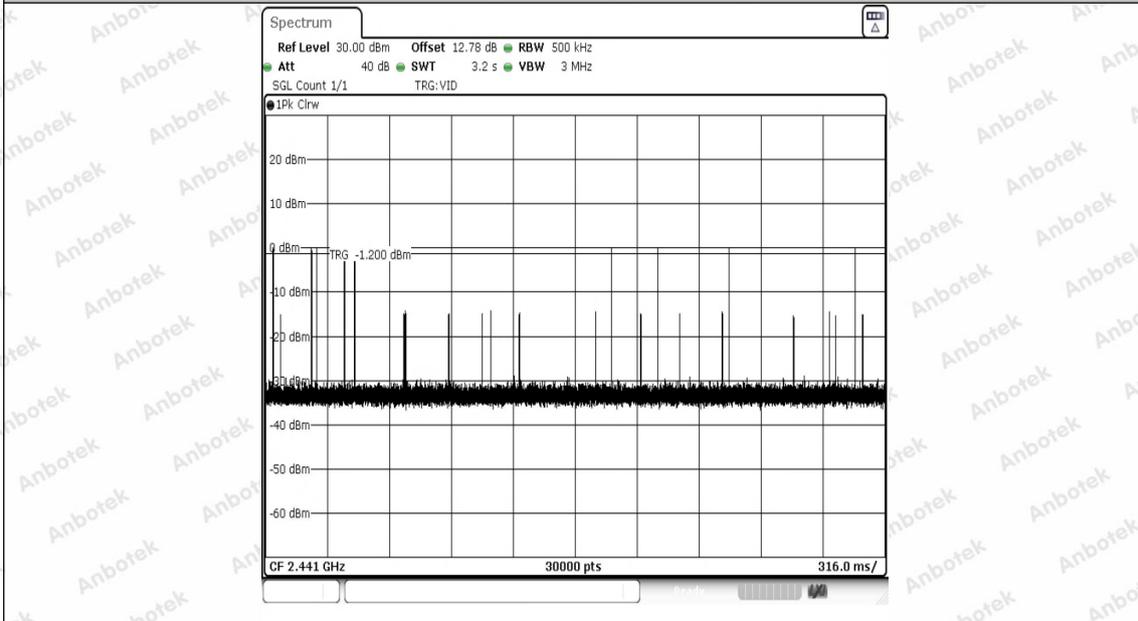
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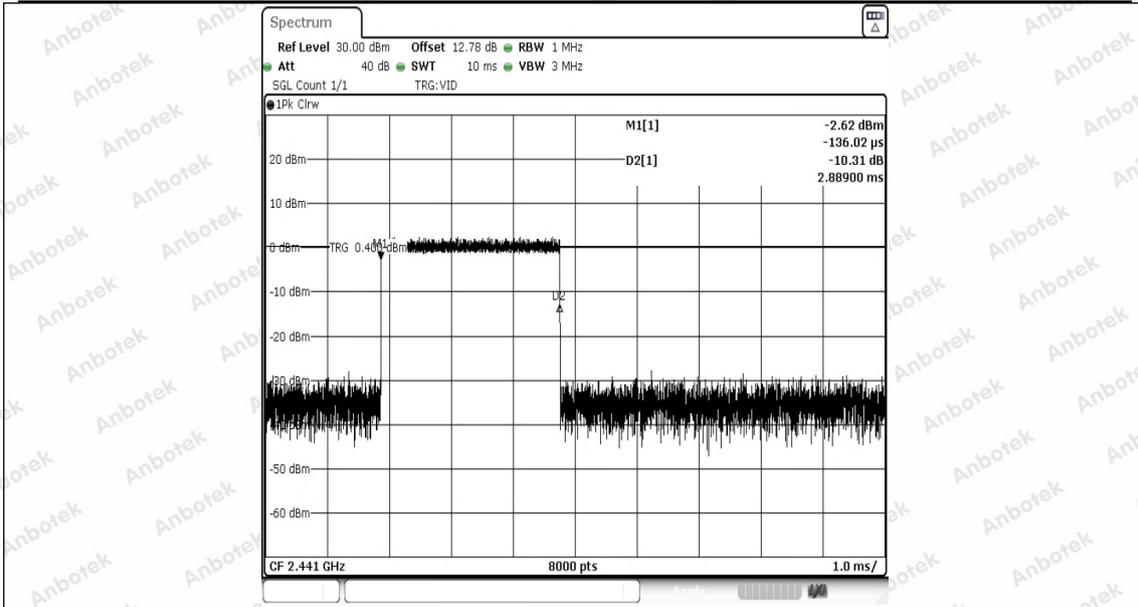
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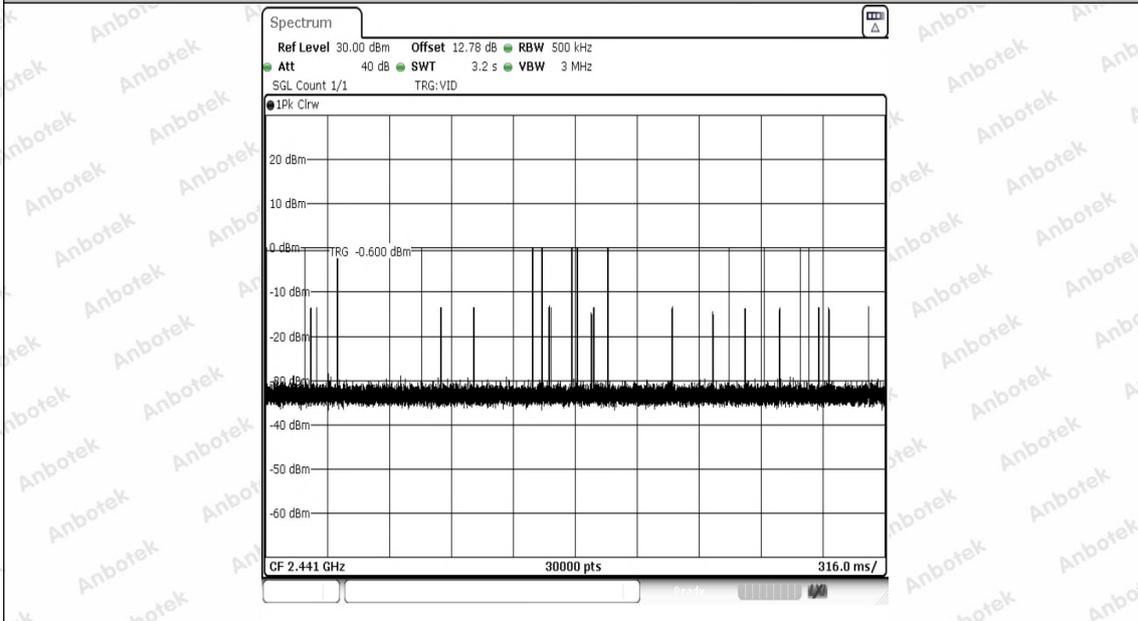


2DH5-Ant1-Hop-PASS





3DH5-Ant1-Hop-PASS



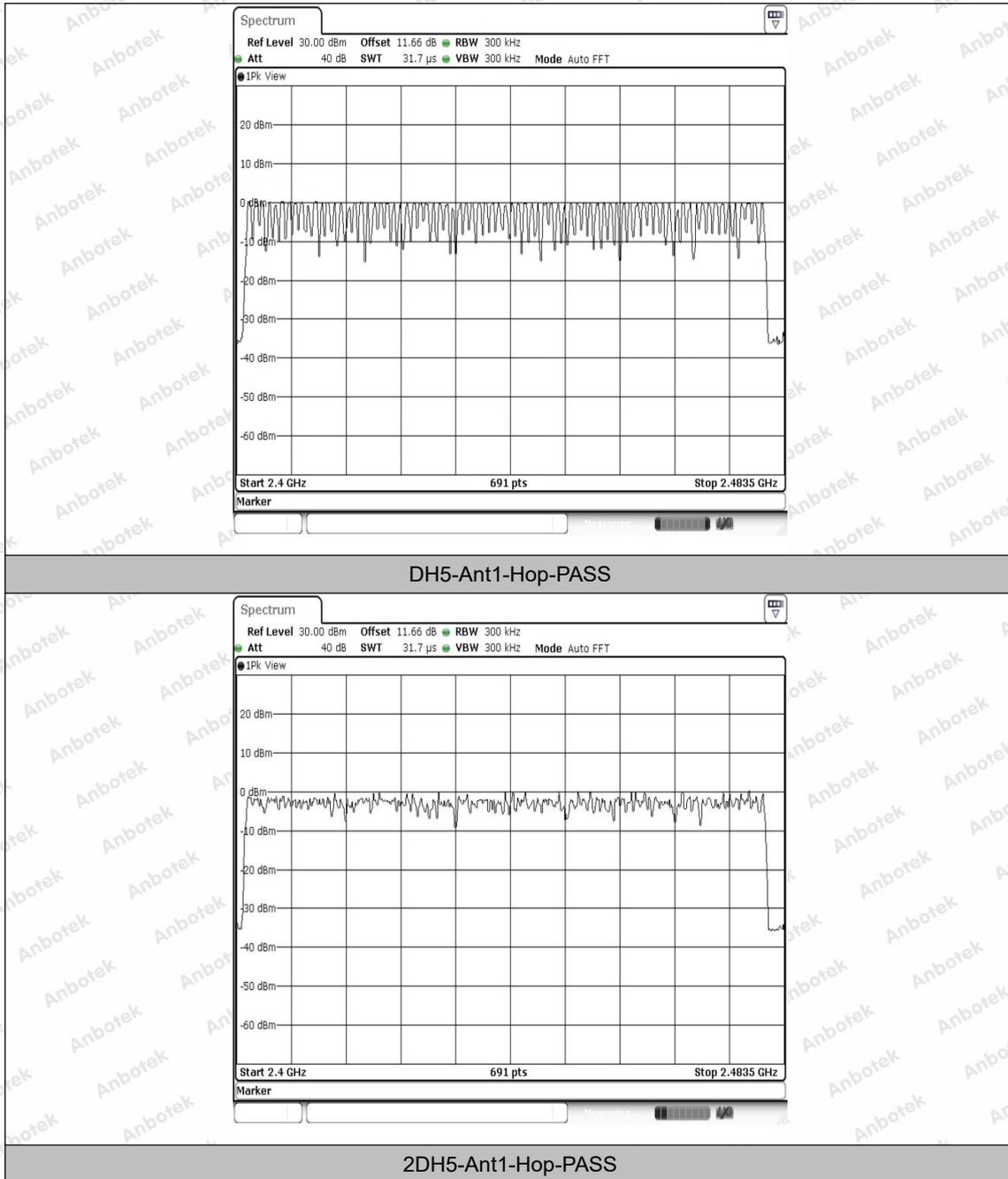
Appendix F: Number of hopping channels

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

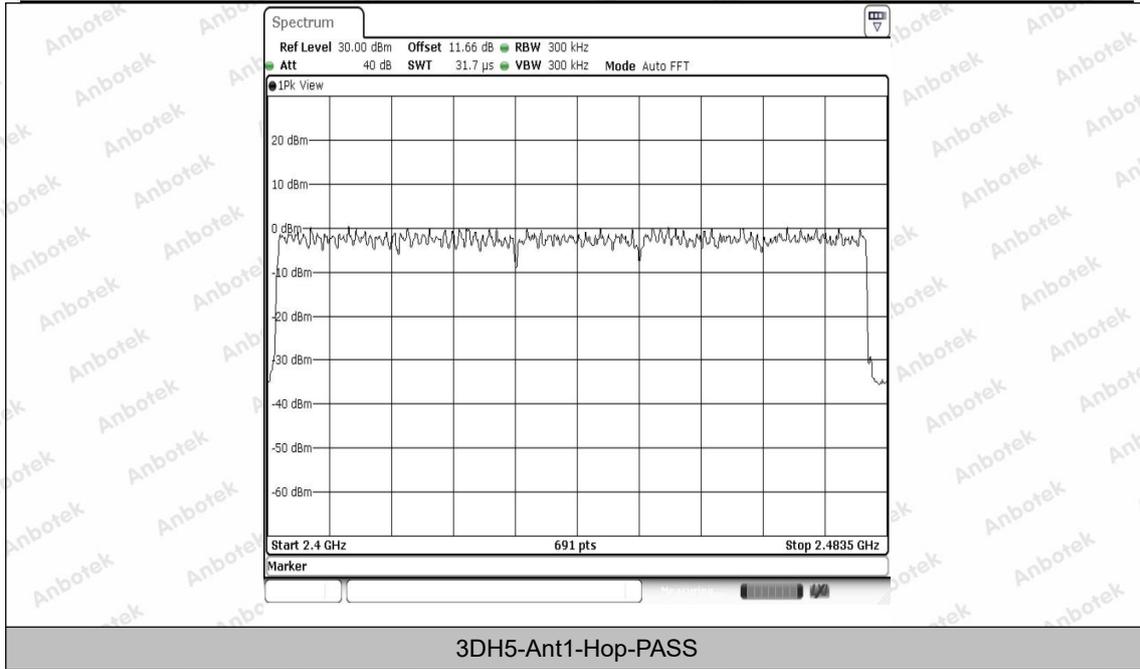


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Appendix G: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	-8.12	-46.79	≤-28.12	PASS
DH5	Ant1	High	2480	-12.15	-46.4	≤-32.15	PASS
DH5	Ant1	Low	Hop_2402	-12.41	-47.21	≤-32.41	PASS
DH5	Ant1	High	Hop_2480	-8.79	-46.53	≤-28.79	PASS
2DH5	Ant1	Low	2402	-14.31	-47.22	≤-34.31	PASS
2DH5	Ant1	High	2480	-17.87	-46.3	≤-37.87	PASS
2DH5	Ant1	Low	Hop_2402	-1.31	-46.83	≤-21.31	PASS
2DH5	Ant1	High	Hop_2480	-1.76	-45.93	≤-21.76	PASS
3DH5	Ant1	Low	2402	-13.01	-47.23	≤-33.01	PASS
3DH5	Ant1	High	2480	-14.70	-46.5	≤-34.7	PASS
3DH5	Ant1	Low	Hop_2402	-1.05	-46.24	≤-21.05	PASS
3DH5	Ant1	High	Hop_2480	-2.77	-46.42	≤-22.77	PASS

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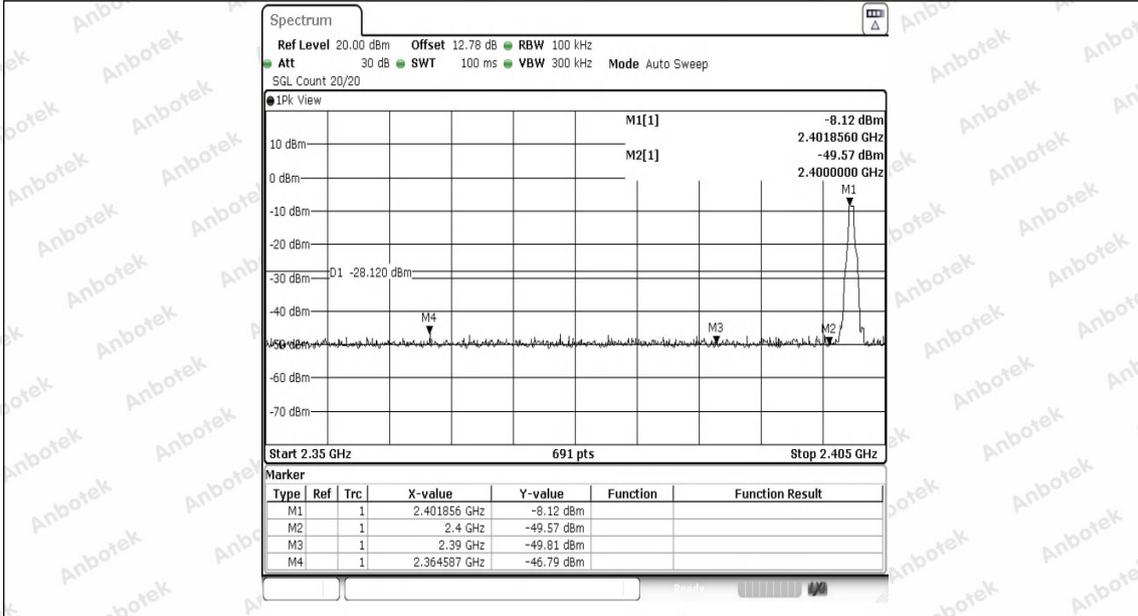
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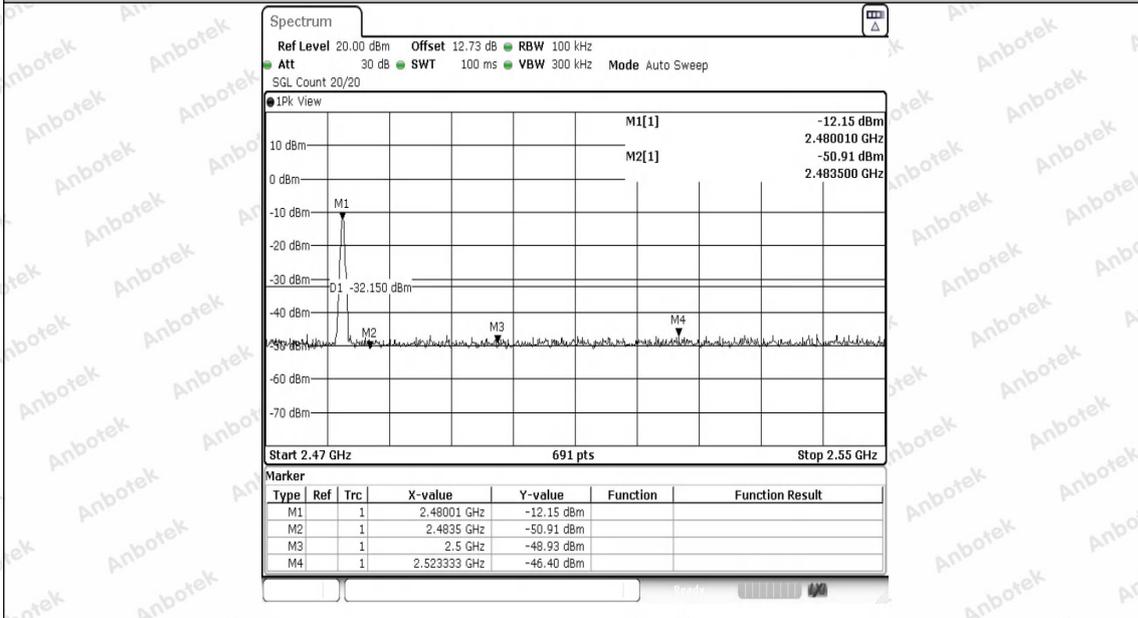
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Test Graphs

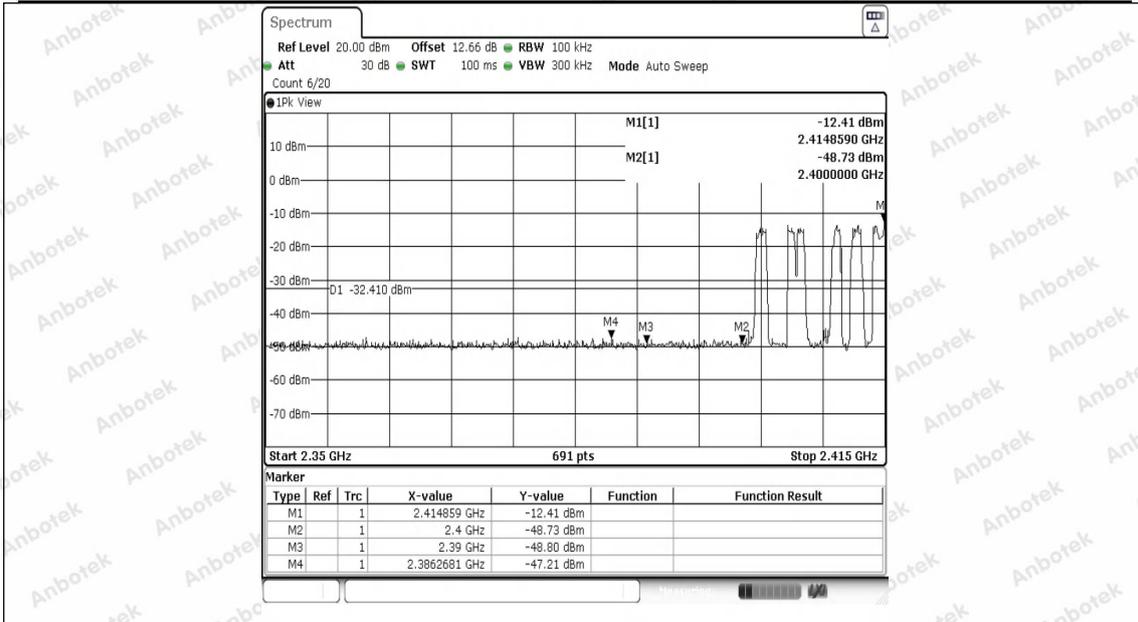


DH5-Ant1-2402-PASS

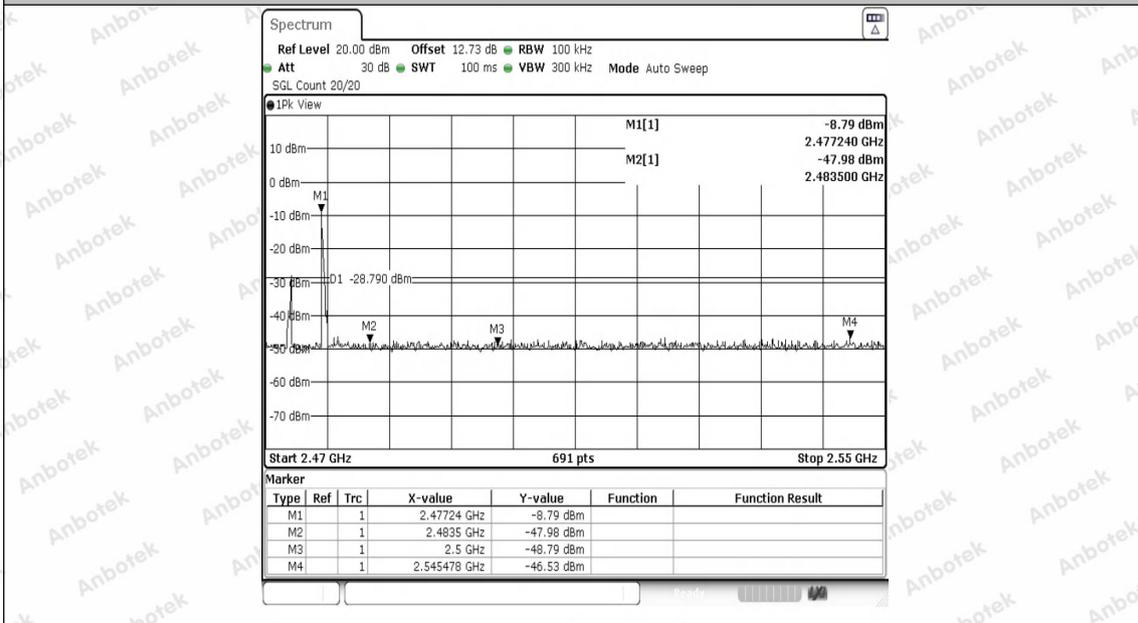


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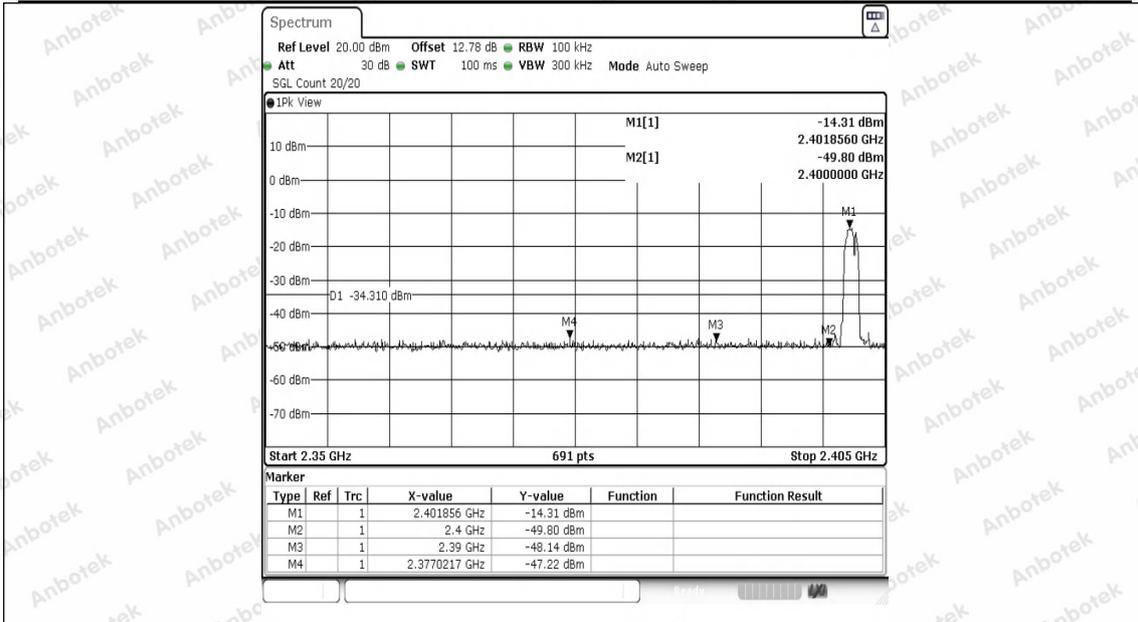


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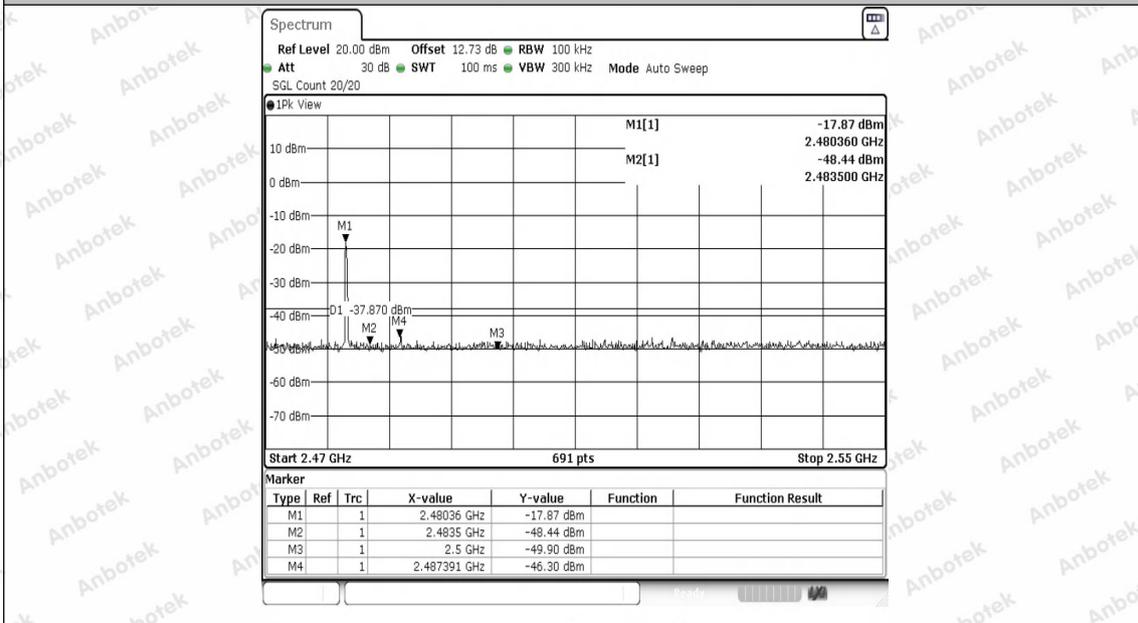


DH5-Ant1-Hop_2480-PASS



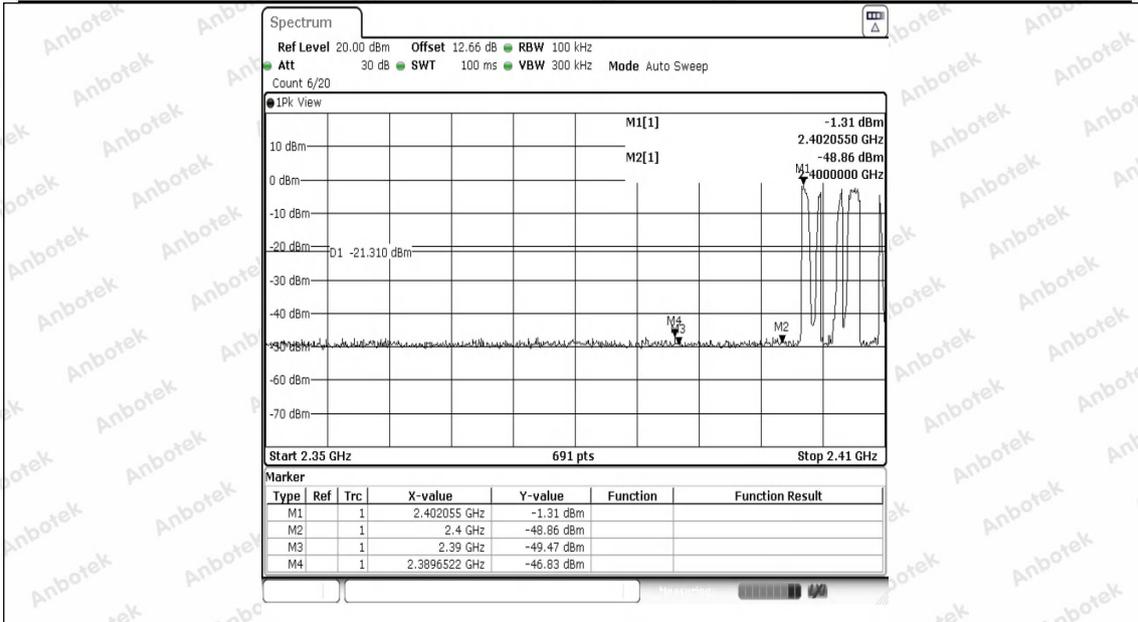


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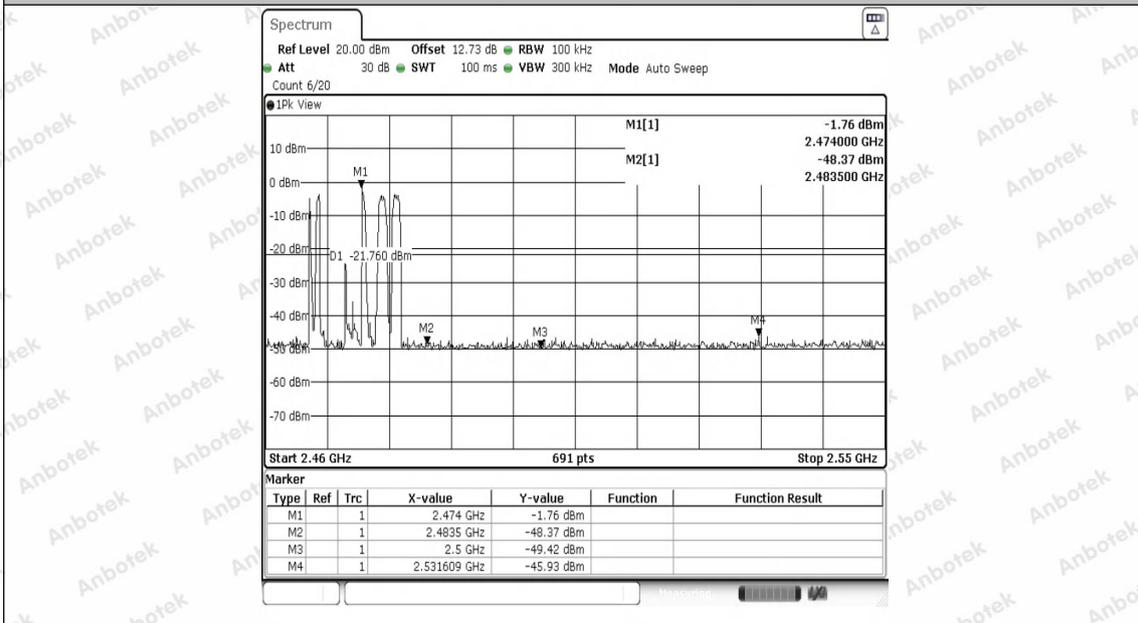


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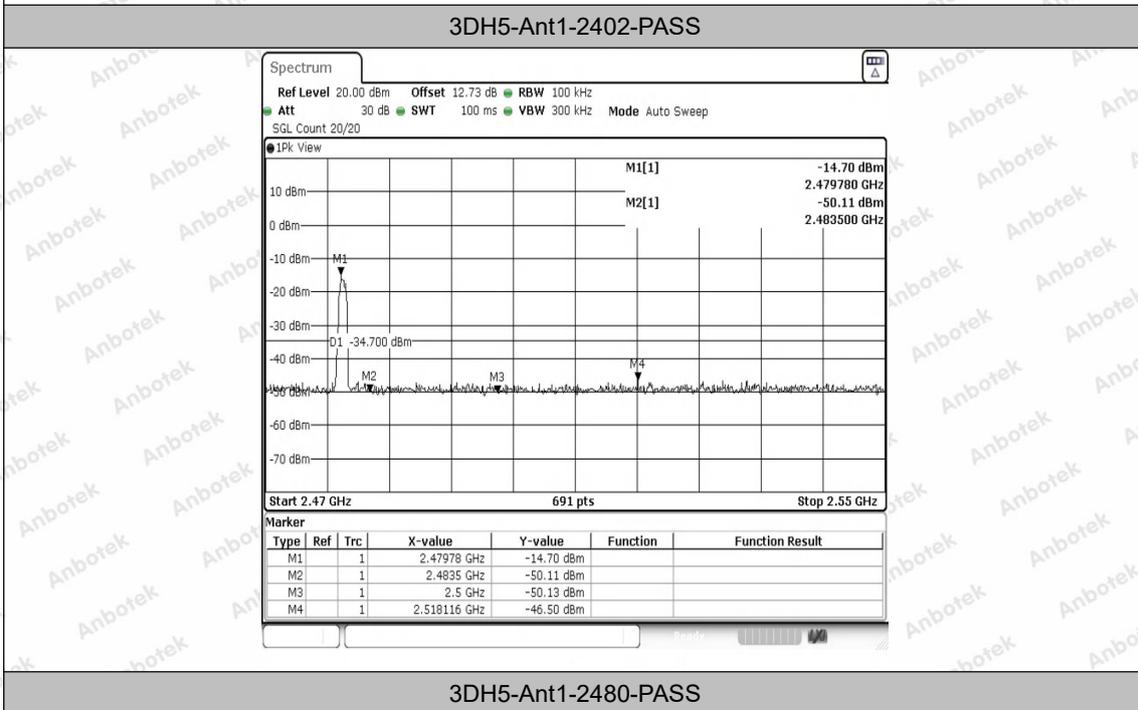
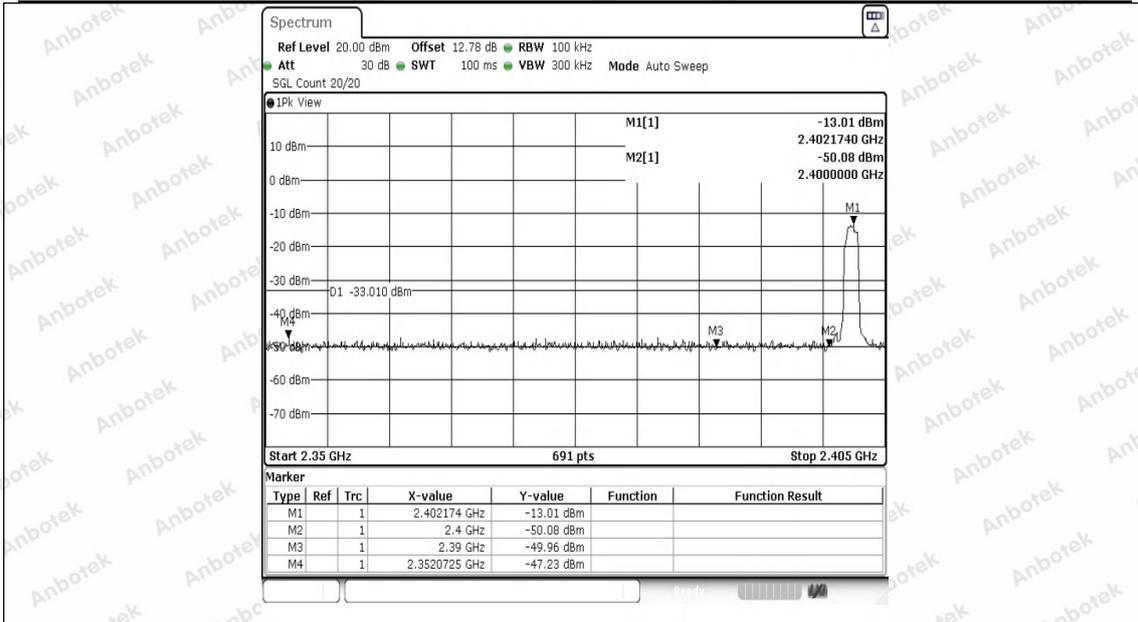


2DH5-Ant1-Hop_2402-PASS



2DH5-Ant1-Hop_2480-PASS





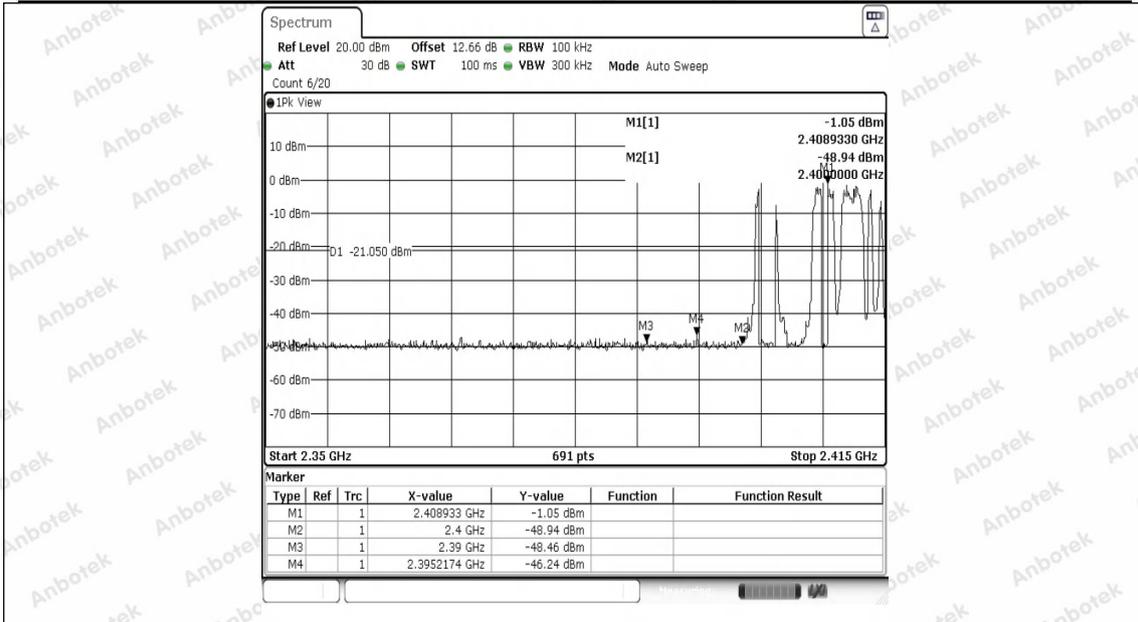
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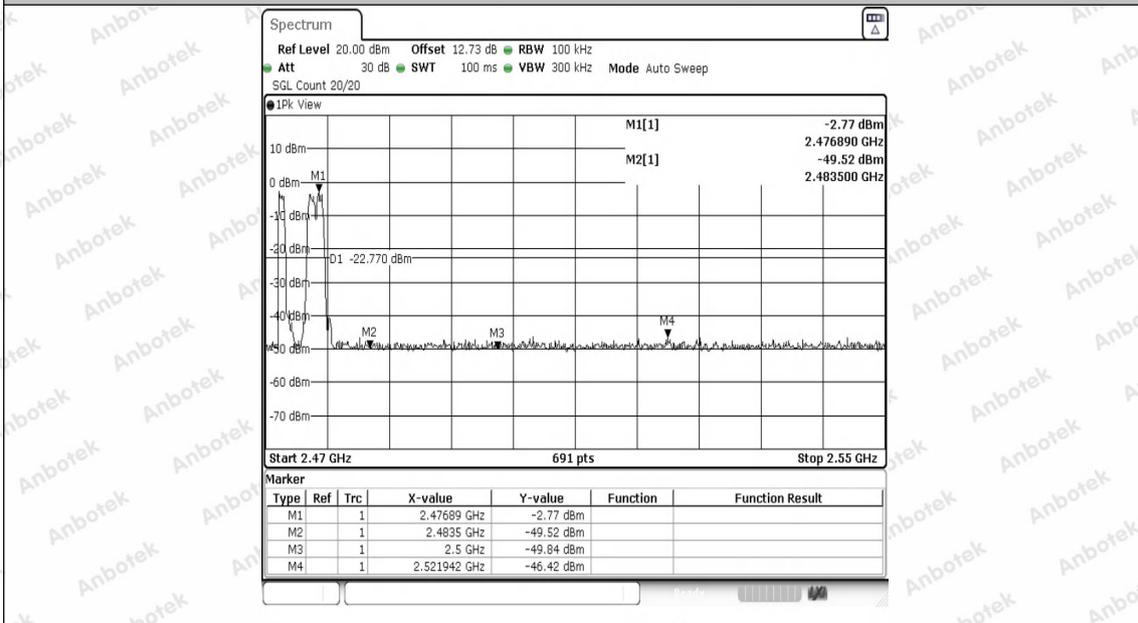


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3DH5-Ant1-Hop_2402-PASS



3DH5-Ant1-Hop_2480-PASS



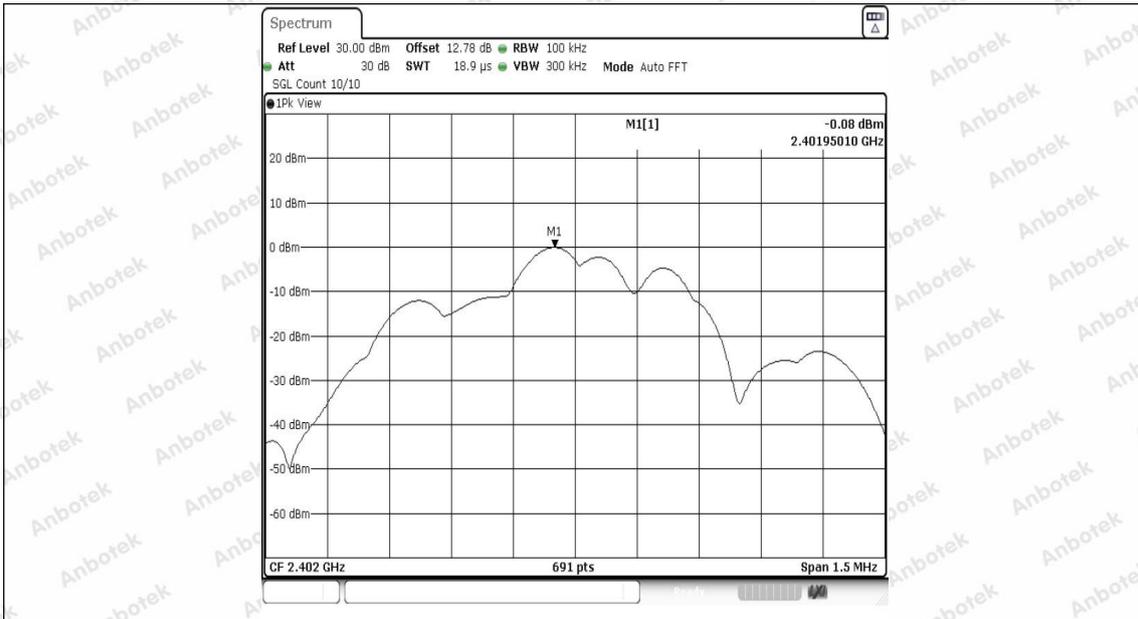
Appendix H: Conducted Spurious Emission

Test Result

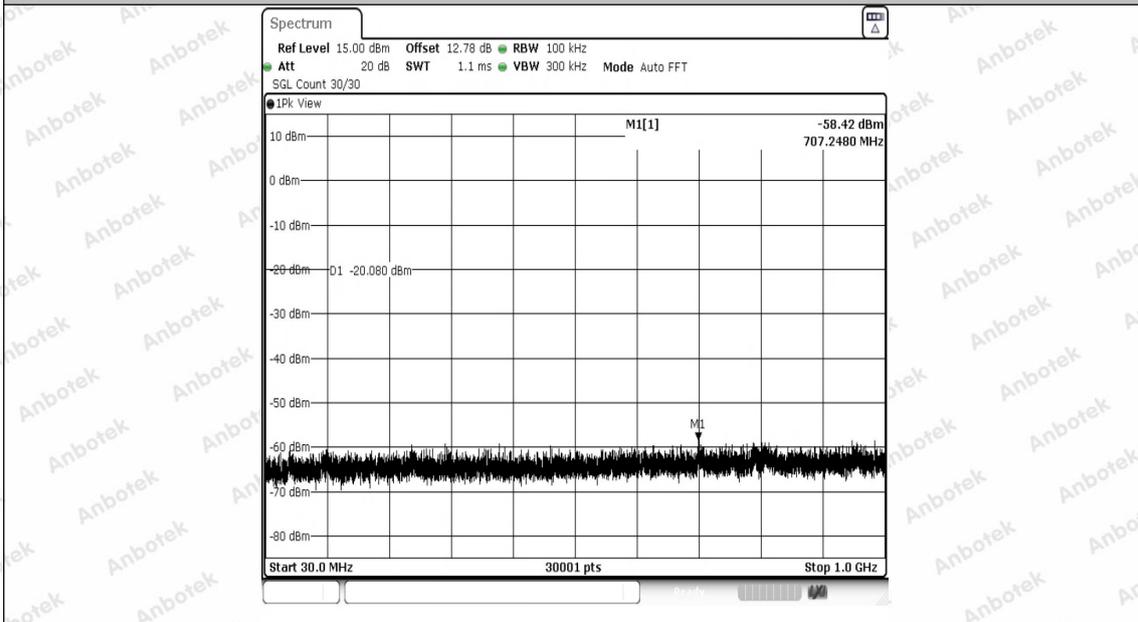
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	-0.08	-0.08	---	PASS
DH5	Ant1	2402	30~1000	-0.08	-58.42	≤-20.08	PASS
DH5	Ant1	2402	1000~26500	-0.08	-50.98	≤-20.08	PASS
DH5	Ant1	2441	0~Reference	-9.99	-9.99	---	PASS
DH5	Ant1	2441	30~1000	-9.99	-57.65	≤-29.99	PASS
DH5	Ant1	2441	1000~26500	-9.99	-50.83	≤-29.99	PASS
DH5	Ant1	2480	0~Reference	-12.22	-12.22	---	PASS
DH5	Ant1	2480	30~1000	-12.22	-57.88	≤-32.22	PASS
DH5	Ant1	2480	1000~26500	-12.22	-50.22	≤-32.22	PASS
2DH5	Ant1	2402	0~Reference	-13.78	-13.78	---	PASS
2DH5	Ant1	2402	30~1000	-13.78	-58.95	≤-33.78	PASS
2DH5	Ant1	2402	1000~26500	-13.78	-50.5	≤-33.78	PASS
2DH5	Ant1	2441	0~Reference	-16.38	-16.38	---	PASS
2DH5	Ant1	2441	30~1000	-16.38	-57.38	≤-36.38	PASS
2DH5	Ant1	2441	1000~26500	-16.38	-50.62	≤-36.38	PASS
2DH5	Ant1	2480	0~Reference	-21.28	-21.28	---	PASS
2DH5	Ant1	2480	30~1000	-21.28	-57.69	≤-41.28	PASS
2DH5	Ant1	2480	1000~26500	-21.28	-50.3	≤-41.28	PASS
3DH5	Ant1	2402	0~Reference	-14.49	-14.49	---	PASS
3DH5	Ant1	2402	30~1000	-14.49	-57.28	≤-34.49	PASS
3DH5	Ant1	2402	1000~26500	-14.49	-49.95	≤-34.49	PASS
3DH5	Ant1	2441	0~Reference	-15.80	-15.80	---	PASS
3DH5	Ant1	2441	30~1000	-15.80	-58.23	≤-35.8	PASS
3DH5	Ant1	2441	1000~26500	-15.80	-50.35	≤-35.8	PASS
3DH5	Ant1	2480	0~Reference	-16.69	-16.69	---	PASS
3DH5	Ant1	2480	30~1000	-16.69	-57.09	≤-36.69	PASS
3DH5	Ant1	2480	1000~26500	-16.69	-50.23	≤-36.69	PASS



Test Graphs

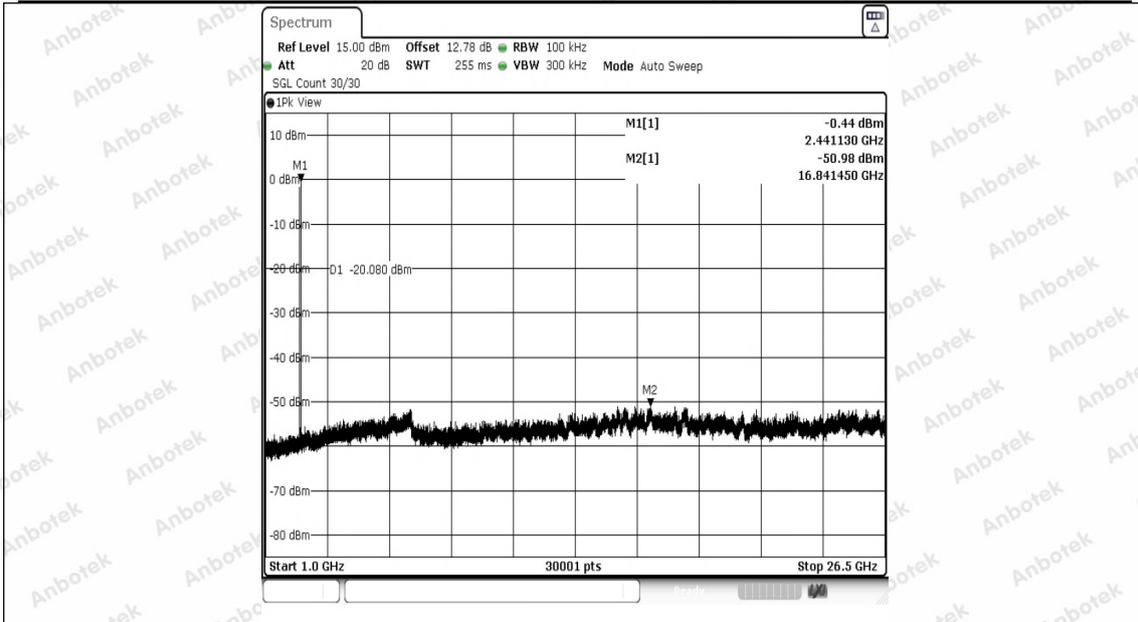


DH5-Ant1-2402-0~Reference-PASS

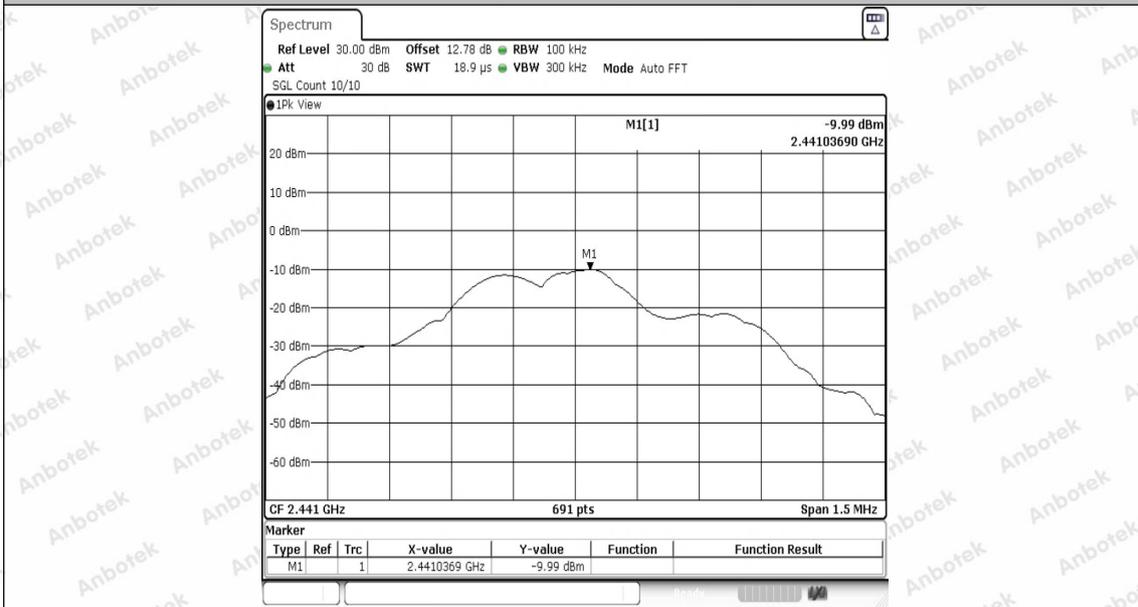


DH5-Ant1-2402-30~1000-PASS



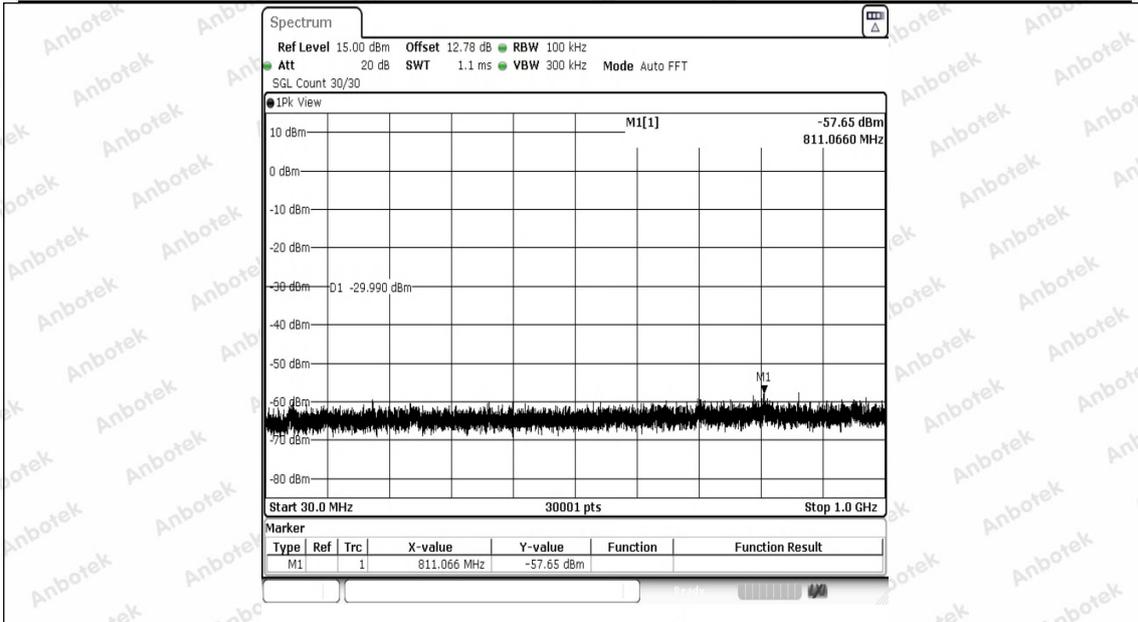


DH5-Ant1-2402-1000~26500-PASS

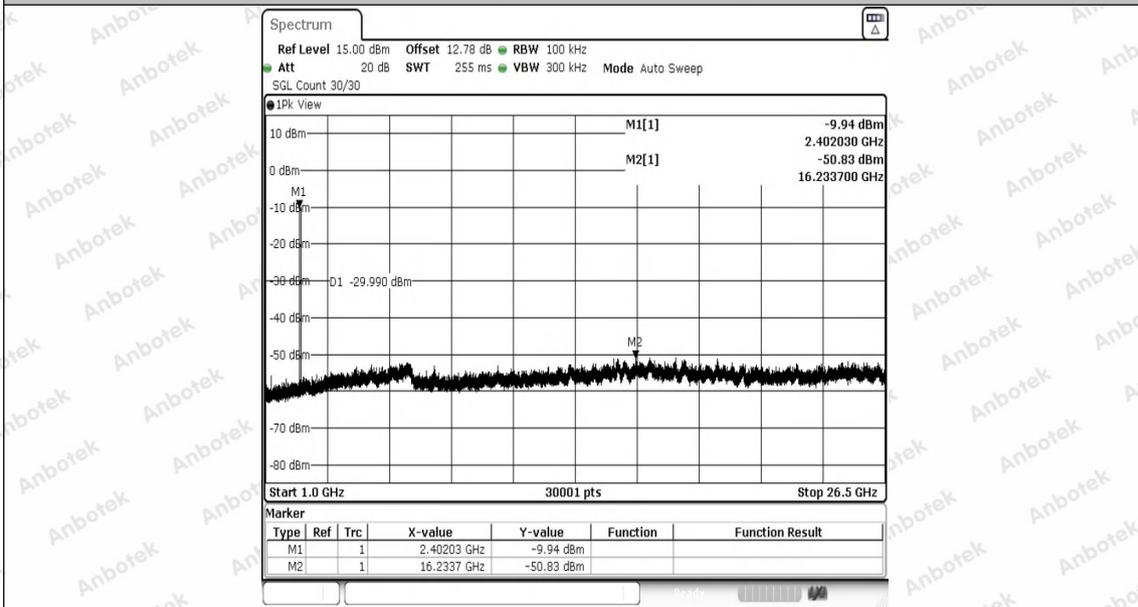


DH5-Ant1-2441-0~Reference-PASS



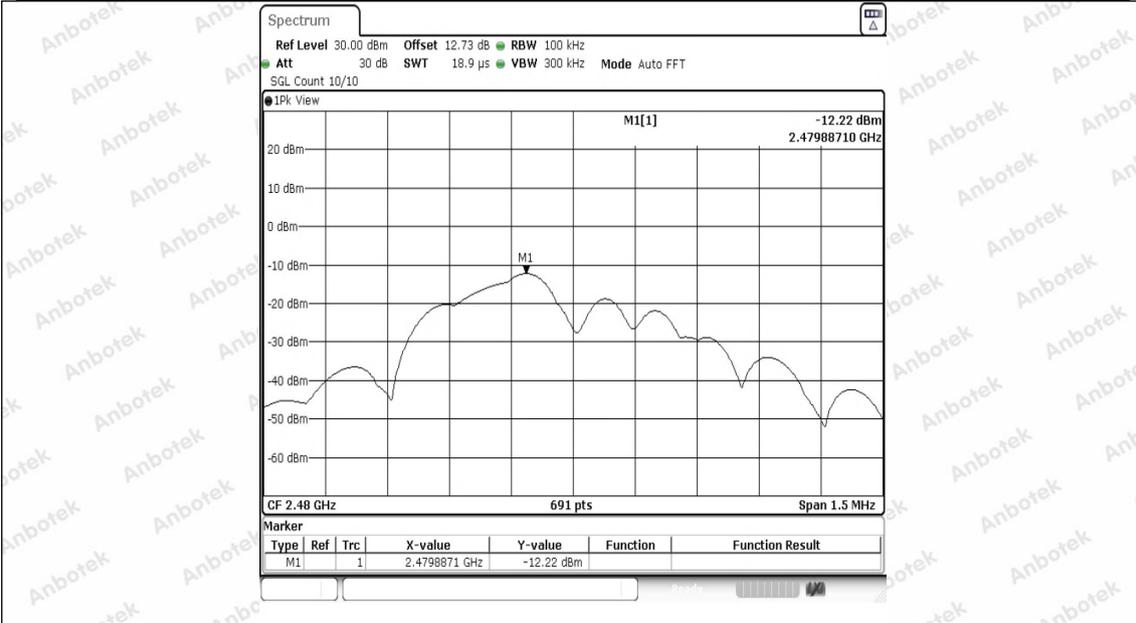


DH5-Ant1-2441-30~1000-PASS

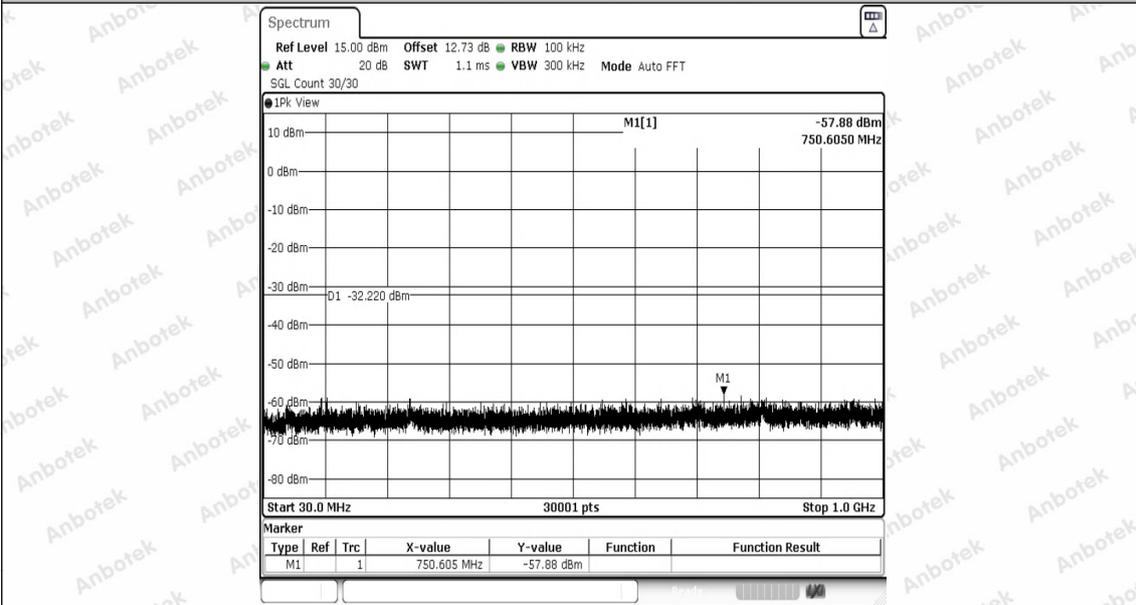


DH5-Ant1-2441-1000~26500-PASS



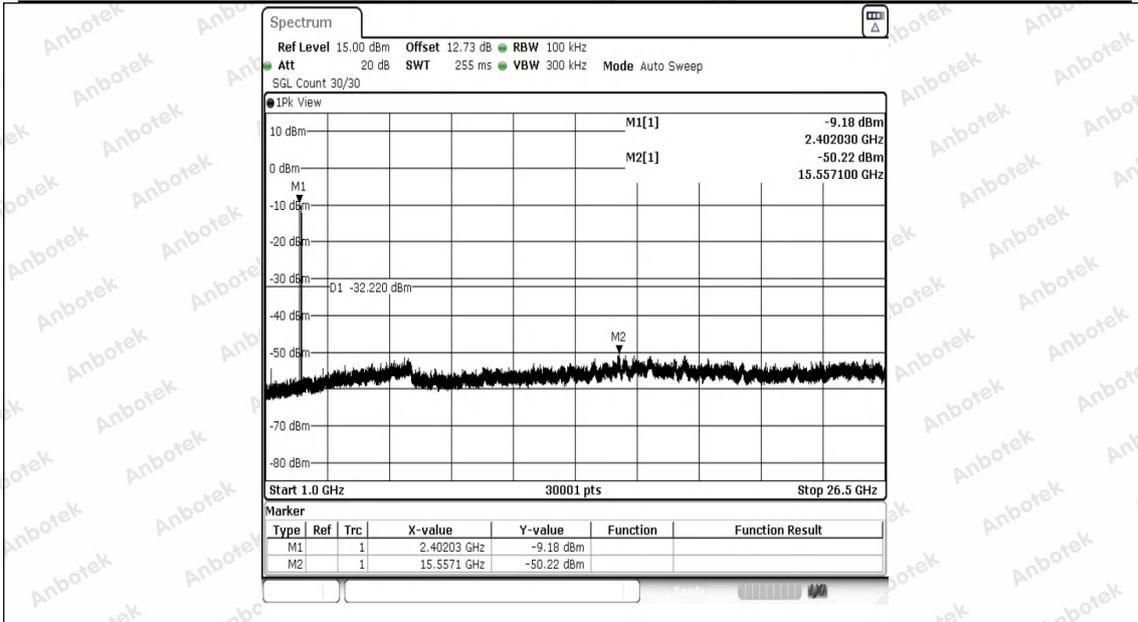


DH5-Ant1-2480-0~Reference-PASS

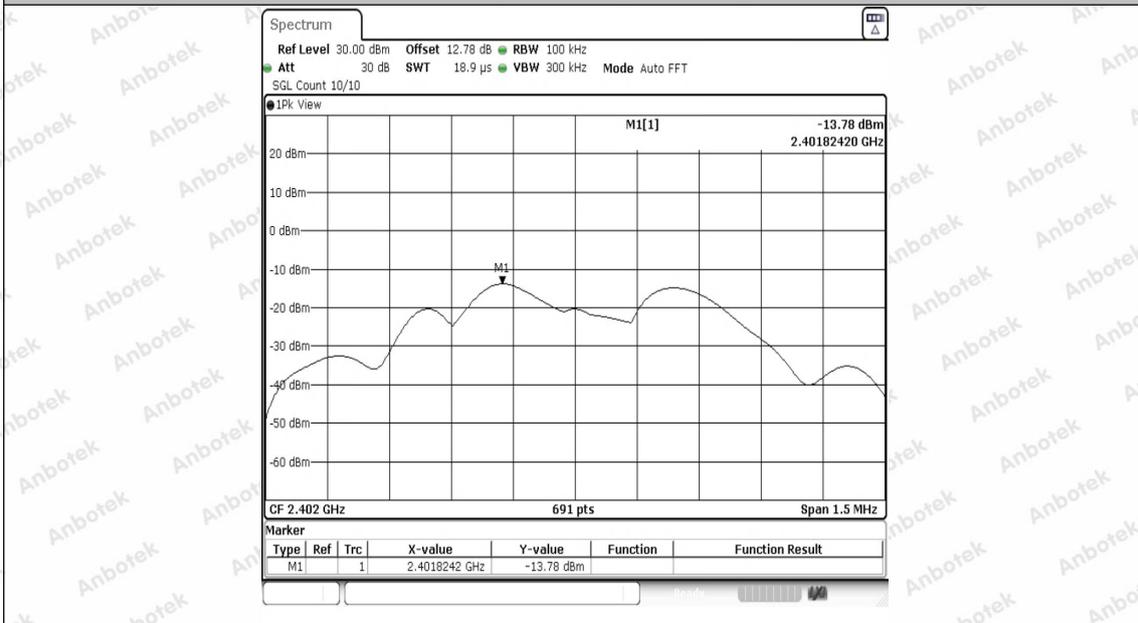


DH5-Ant1-2480-30~1000-PASS



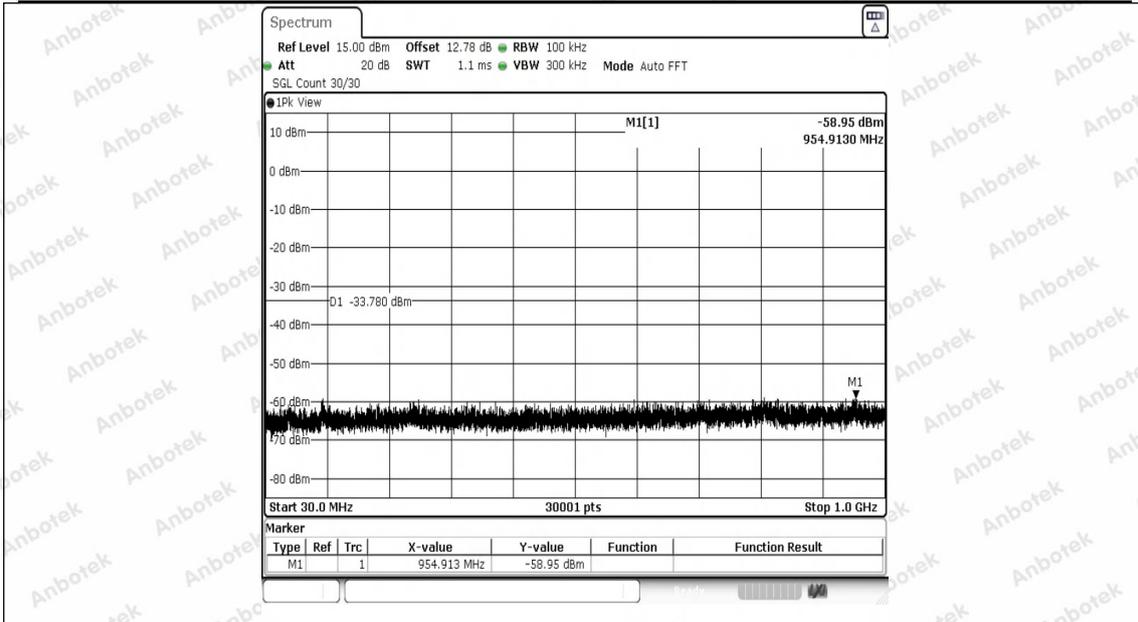


DH5-Ant1-2480-1000~26500-PASS

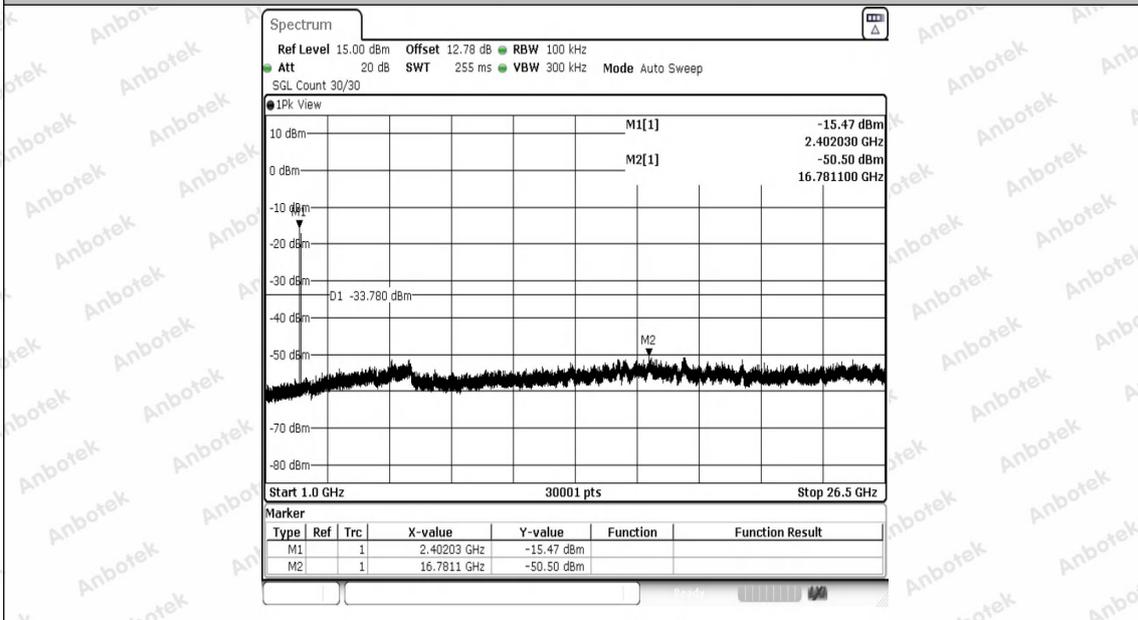


2DH5-Ant1-2402-0~Reference-PASS



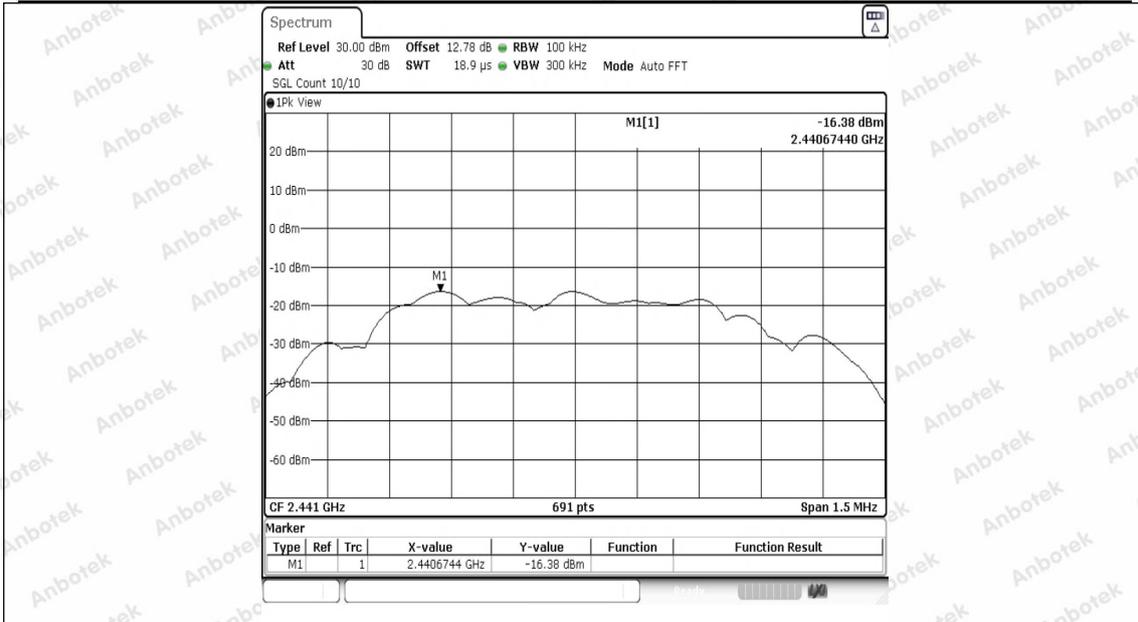


2DH5-Ant1-2402-30~1000-PASS

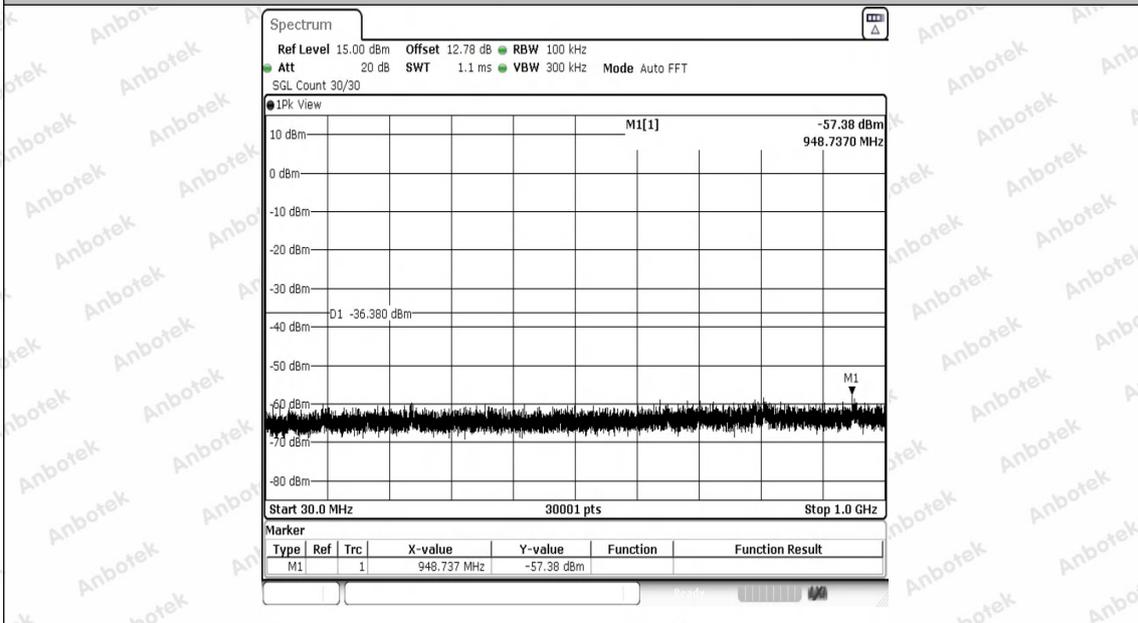


2DH5-Ant1-2402-1000~26500-PASS



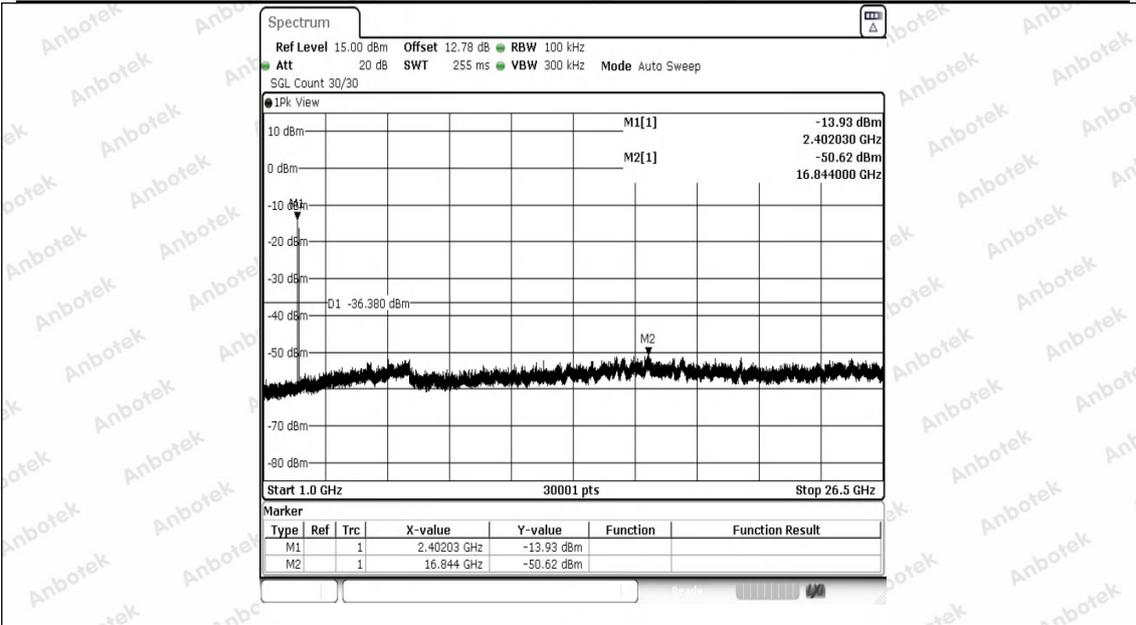


2DH5-Ant1-2441-0~Reference-PASS

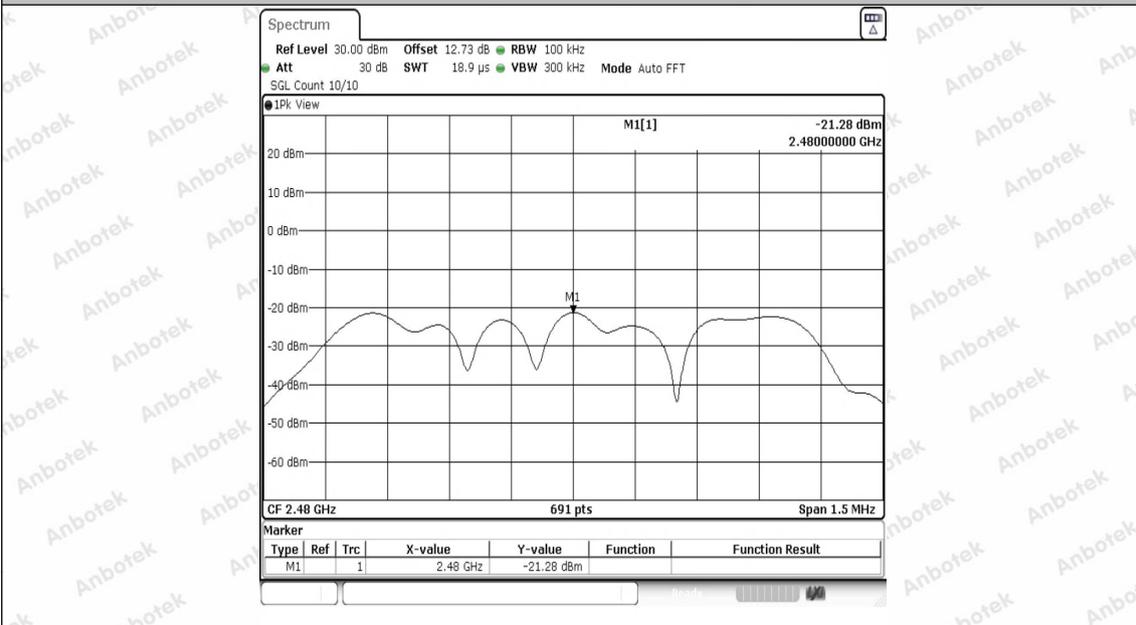


2DH5-Ant1-2441-30~1000-PASS



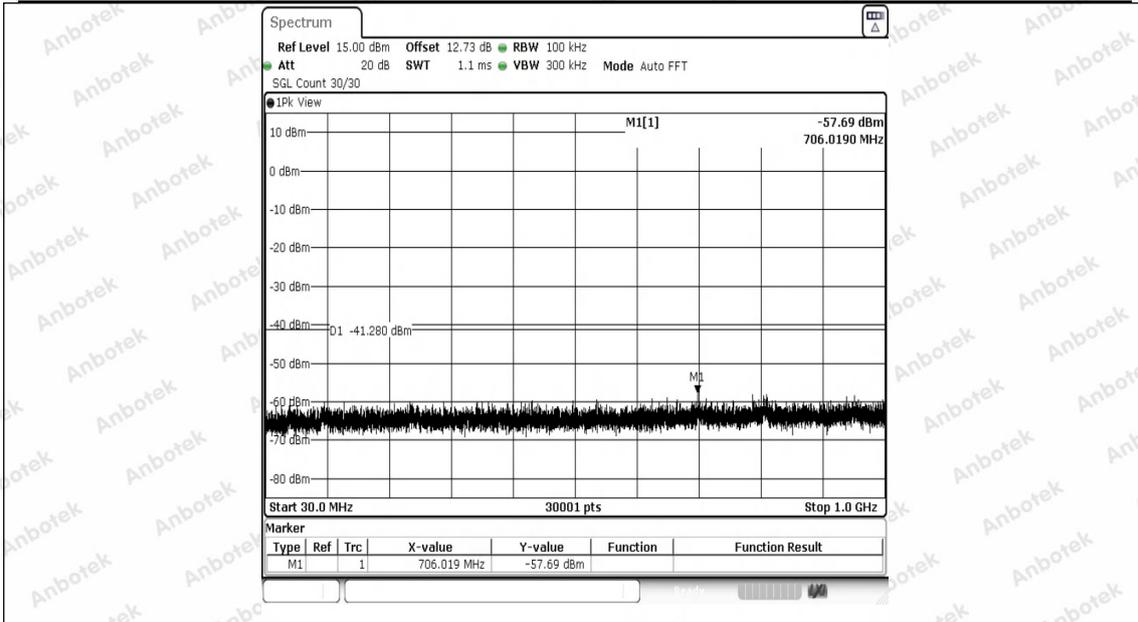


2DH5-Ant1-2441-1000~26500-PASS

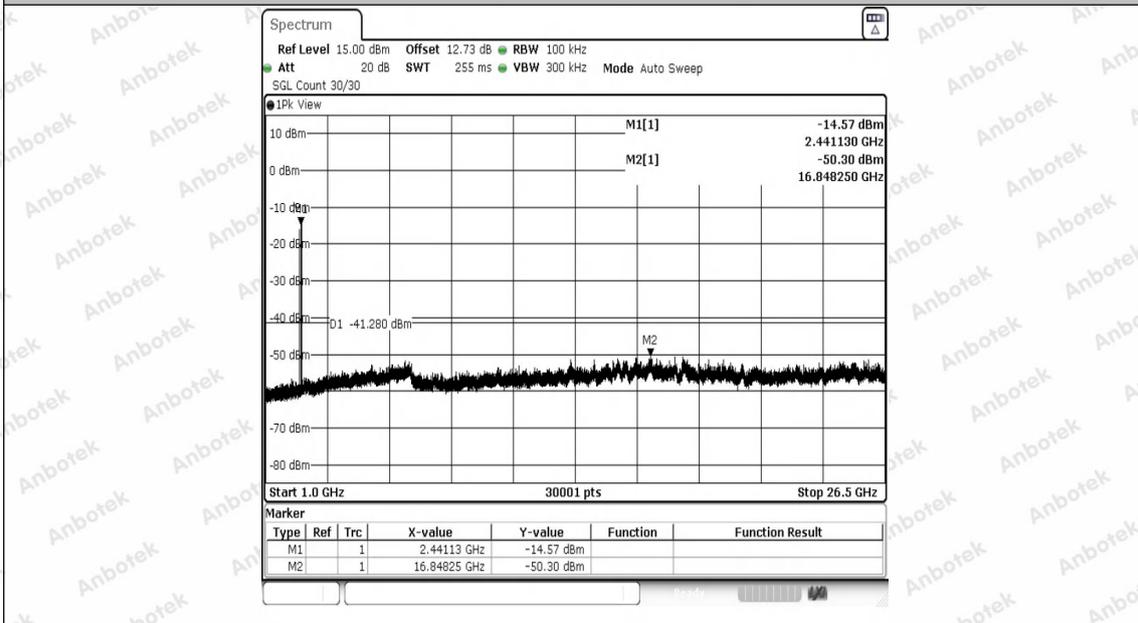


2DH5-Ant1-2480-0~Reference-PASS



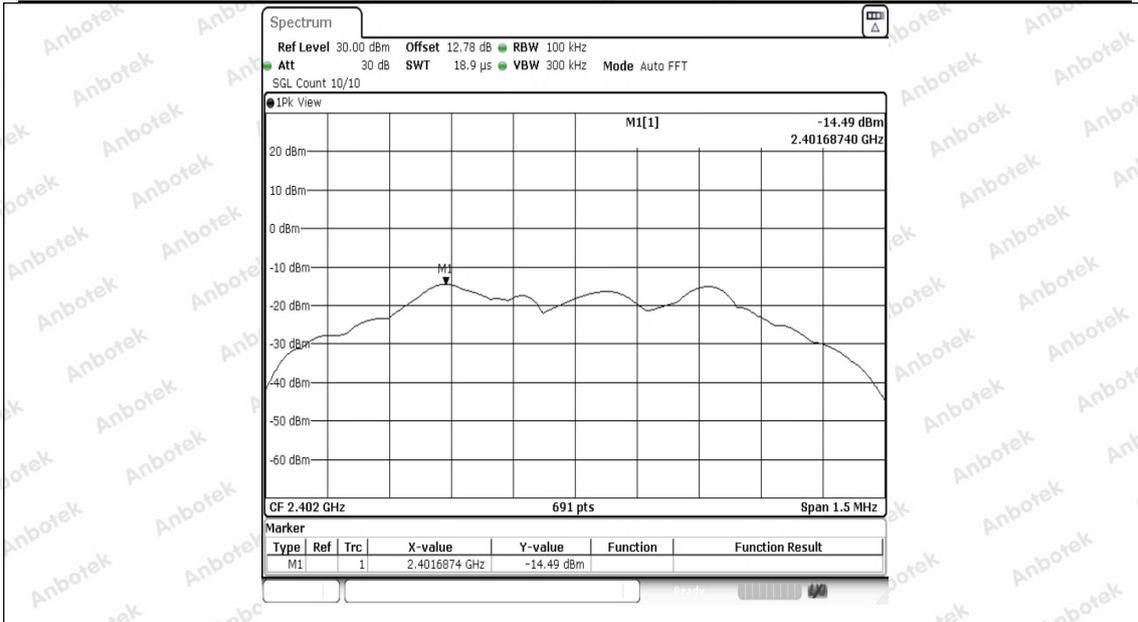


2DH5-Ant1-2480-30~1000-PASS

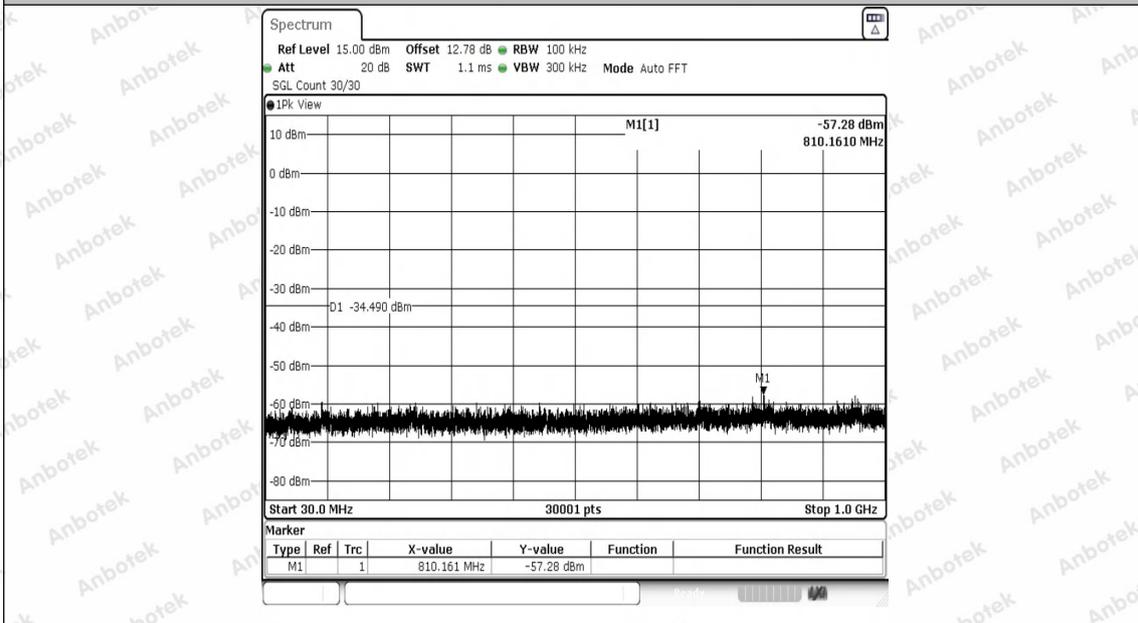


2DH5-Ant1-2480-1000~26500-PASS



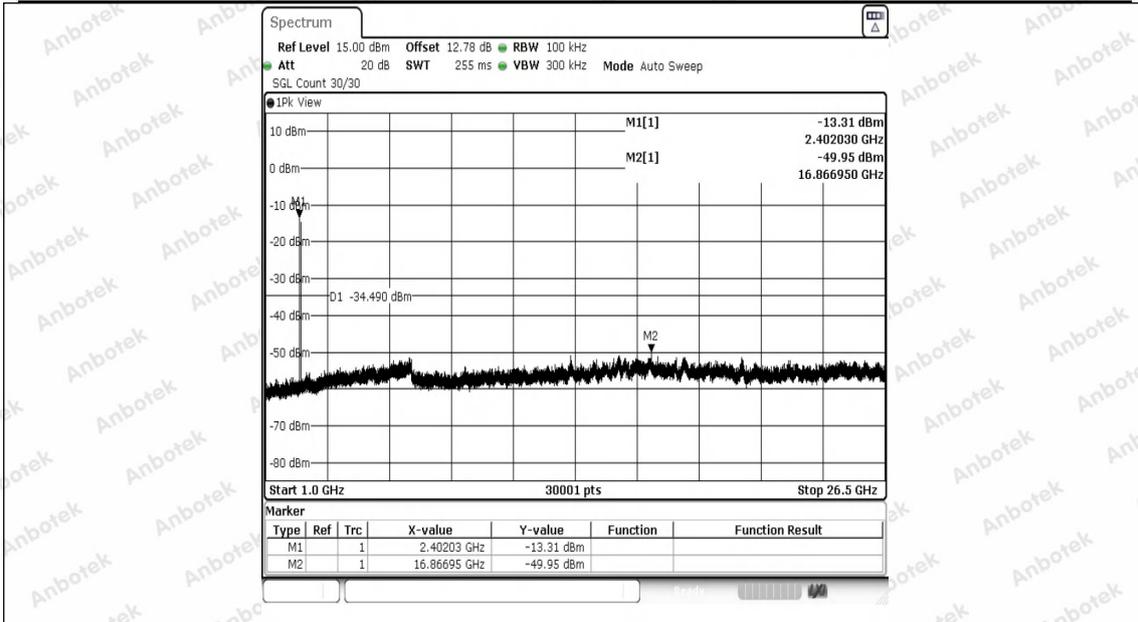


3DH5-Ant1-2402-0~Reference-PASS

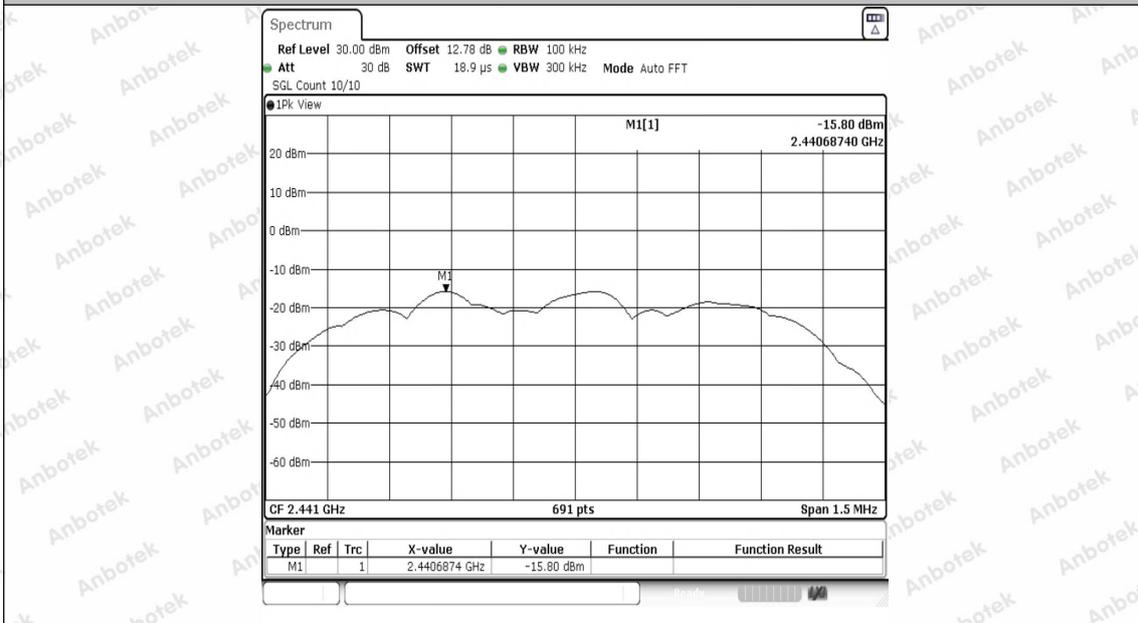


3DH5-Ant1-2402-30~1000-PASS



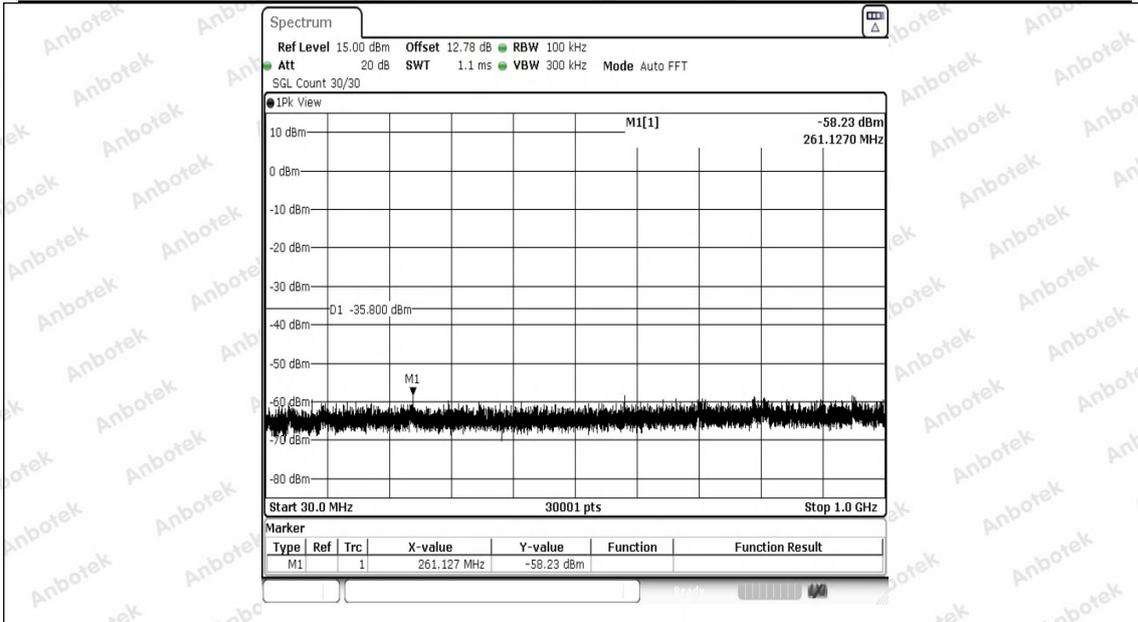


3DH5-Ant1-2402-1000~26500-PASS

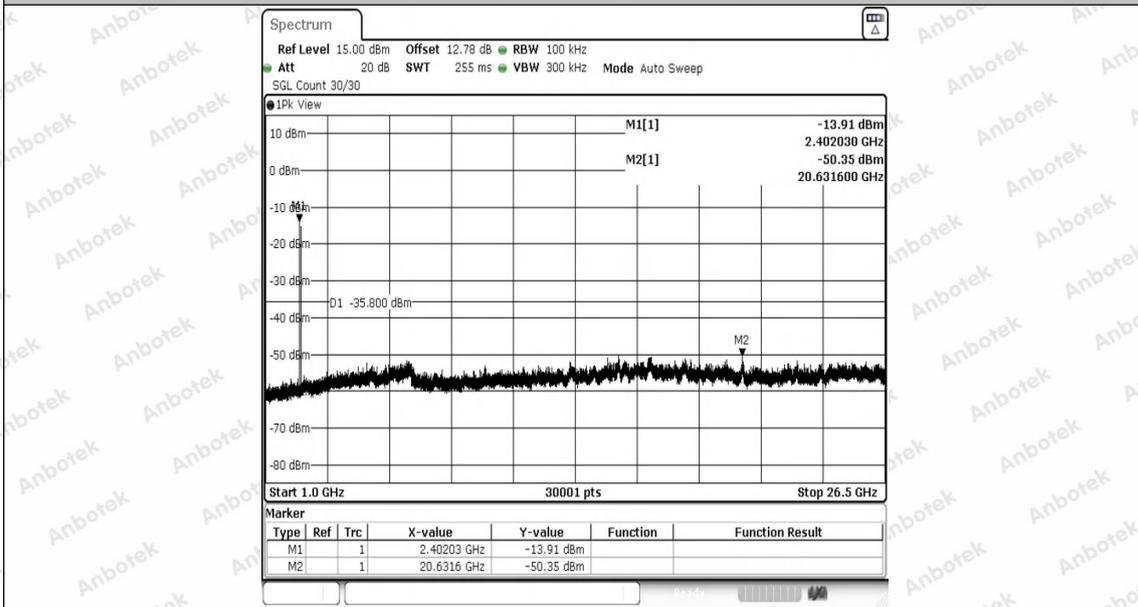


3DH5-Ant1-2441-0~Reference-PASS



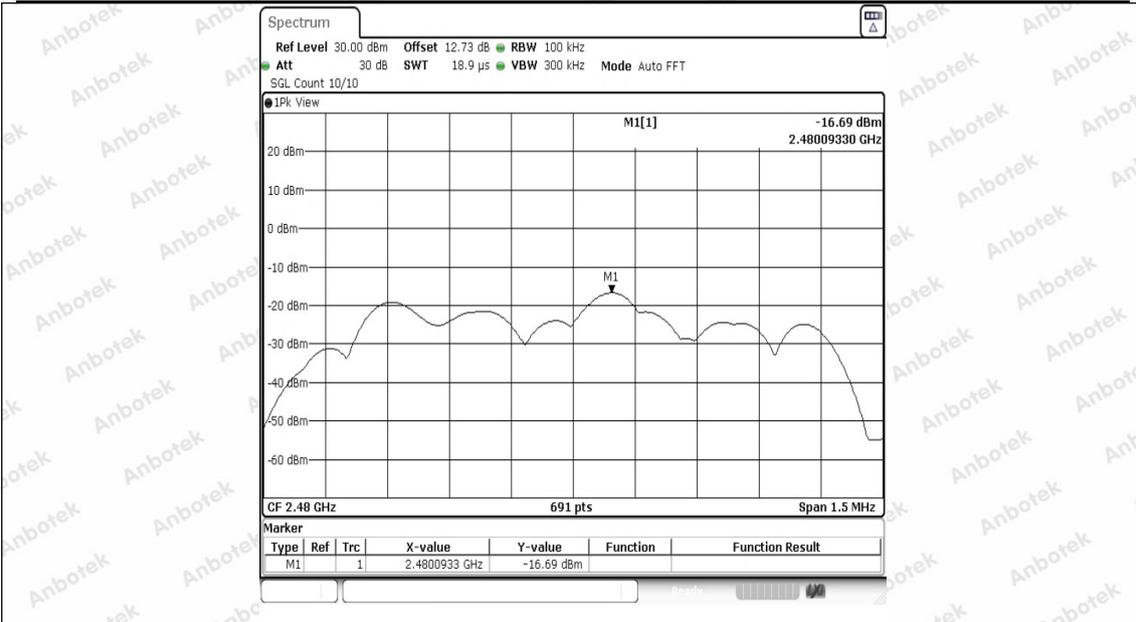


3DH5-Ant1-2441-30~1000-PASS

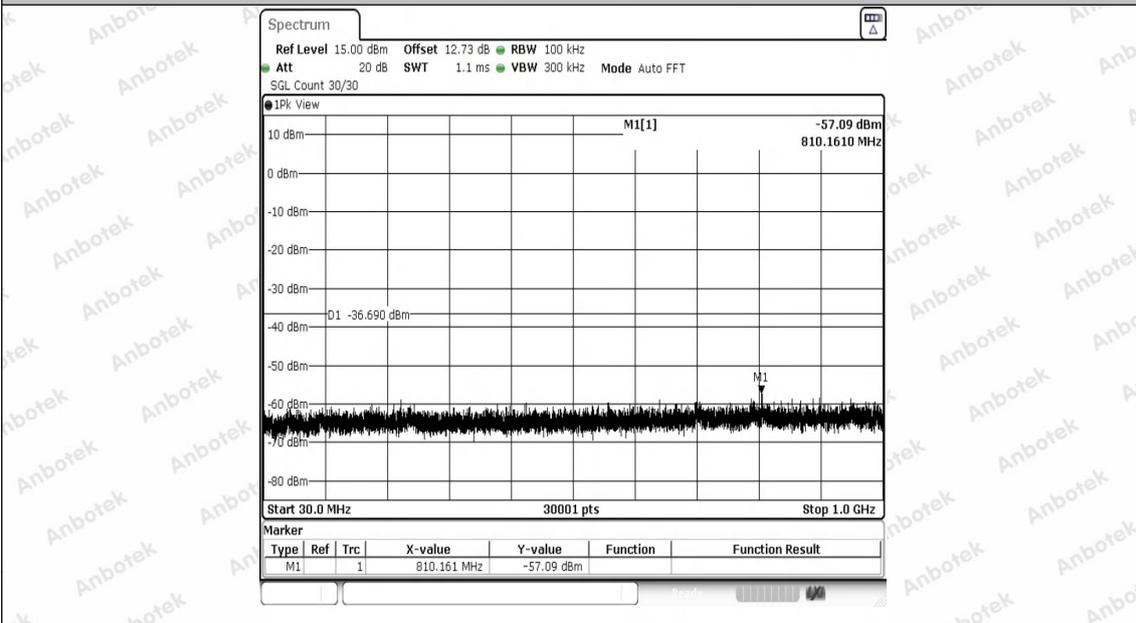


3DH5-Ant1-2441-1000~26500-PASS



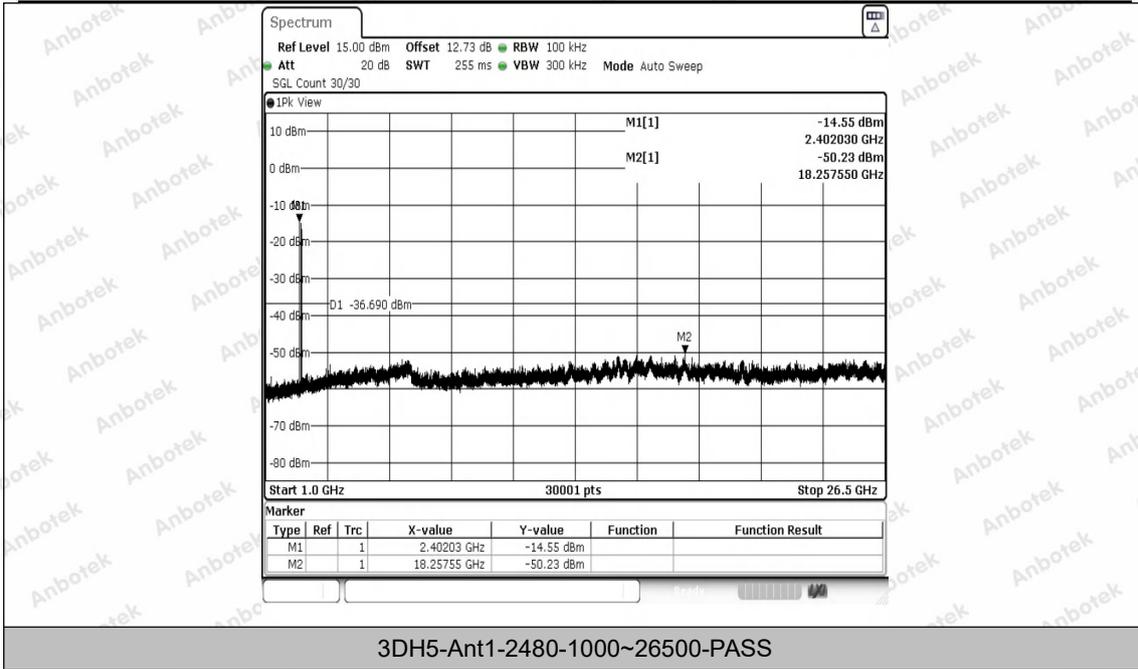


3DH5-Ant1-2480-0~Reference-PASS



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





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