

Appendix Test Data

Report No.:	182512C400288101	Test Sample No.:	1-2-2
Start Test Date:	2024.7.9	Finish Test Date:	2024.7.16
Test Engineer:	Joker Huang	Auditor:	Justin Feng
Temperature:	25.5℃	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
2.4G	Ant1	2411	2.097	2409.926	2412.023	---	---
2.4G	Ant1	2441	1.377	2440.460	2441.837	---	---
2.4G	Ant1	2471	2.553	2469.500	2472.053	---	---



Test Graphs



2.4G-Ant1-2411



2.4G-Ant1-2441



2.4G-Ant1-2471

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	2411	2.1915	2409.7464	2411.9379	---	---
2.4G	Ant1	2441	1.8780	2439.9308	2441.8088	---	---
2.4G	Ant1	2471	2.3341	2469.6601	2471.9942	---	---

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Test Graphs



2.4G-Ant1-2411



2.4G-Ant1-2441



2.4G-Ant1-2471

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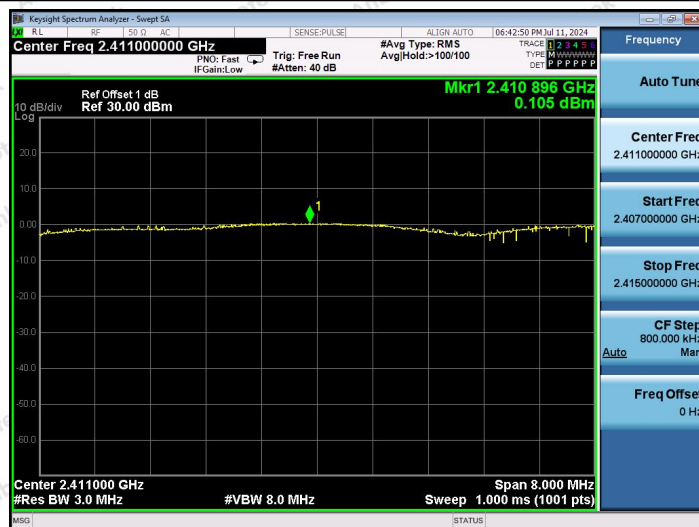
Appendix C: Maximum Conducted Output Power

Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
2.4G	Ant1	2411	-0.25	≤20.97	PASS
2.4G	Ant1	2441	-1.00	≤20.97	PASS
2.4G	Ant1	2471	-1.81	≤20.97	PASS



Test Graphs



2.4G-Ant1-2411-PASS



2.4G-Ant1-2441-PASS



2.4G-Ant1-2471-PASS

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Appendix D: Carrier frequency separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
2.4G	Ant1	Hop	2.005	≥ 1.702	PASS

Test Graphs

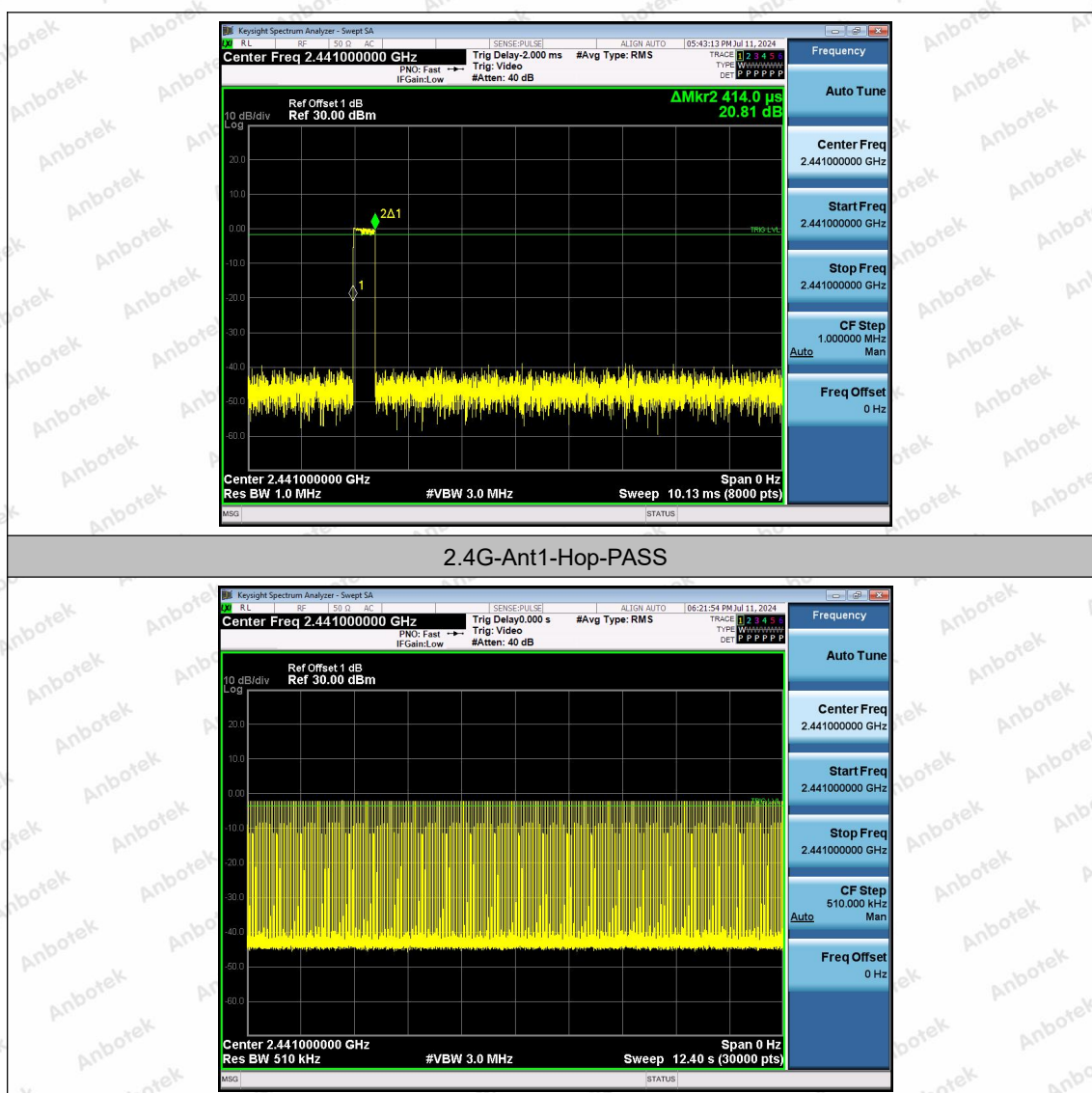


Appendix E: Dwell Time

Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
2.4G	Ant1	Hop	0.414	332	0.137	≤0.4	PASS

Test Graphs



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Appendix F: Number of Hopping Channel

Test Result

TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
2.4G	Ant1	Hop	31	≥15	PASS

Test Graphs



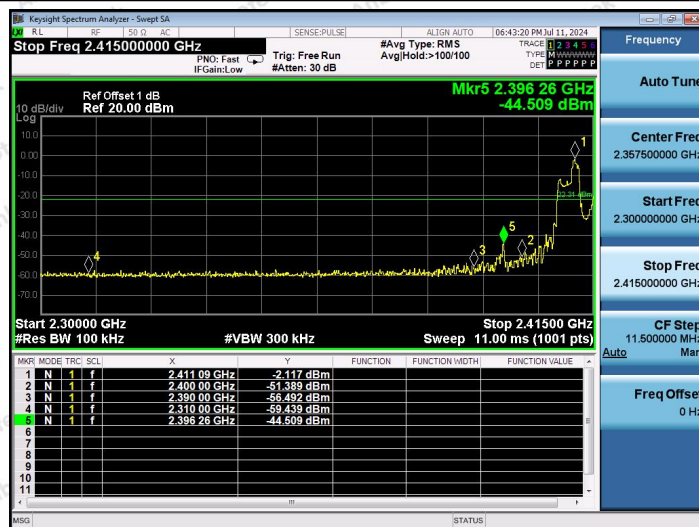
Appendix G: Conducted Band edge

Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	Low	2411	-2.31	-44.51	≤-22.31	PASS
2.4G	Ant1	High	2471	-3.70	-48.12	≤-23.7	PASS
2.4G	Ant1	Low	Hop_2411	-2.06	-46.86	≤-22.06	PASS
2.4G	Ant1	High	Hop_2471	-3.24	-38.85	≤-23.24	PASS



Test Graphs



2.4G-Ant1-2411-PASS



2.4G-Ant1-2471-PASS



2.4G-Ant1-Hop_2411-PASS

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Appendix H: Conducted Spurious Emission

Test Result

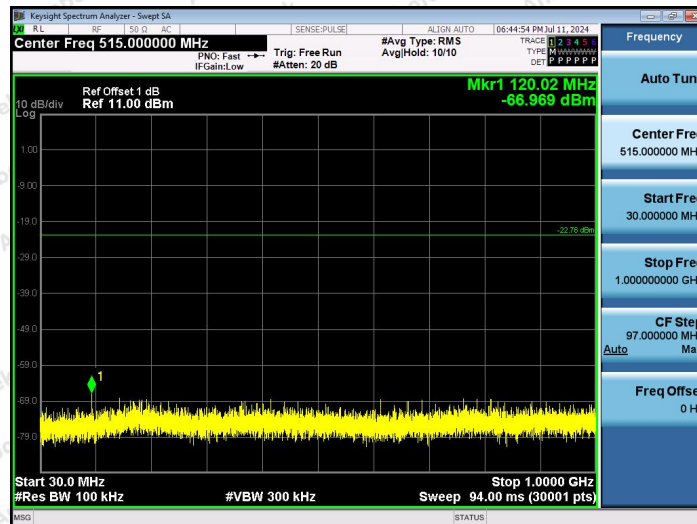
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G	Ant1	2411	0~Reference	-2.76	-2.76	---	PASS
2.4G	Ant1	2411	30~1000	-2.76	-66.97	≤-22.76	PASS
2.4G	Ant1	2411	1000~26500	-2.76	-38.15	≤-22.76	PASS
2.4G	Ant1	2441	0~Reference	-2.82	-2.82	---	PASS
2.4G	Ant1	2441	30~1000	-2.82	-67.29	≤-22.82	PASS
2.4G	Ant1	2441	1000~26500	-2.82	-36.99	≤-22.82	PASS
2.4G	Ant1	2471	0~Reference	-3.29	-3.29	---	PASS
2.4G	Ant1	2471	30~1000	-3.29	-68.02	≤-23.29	PASS
2.4G	Ant1	2471	1000~26500	-3.29	-37.38	≤-23.29	PASS



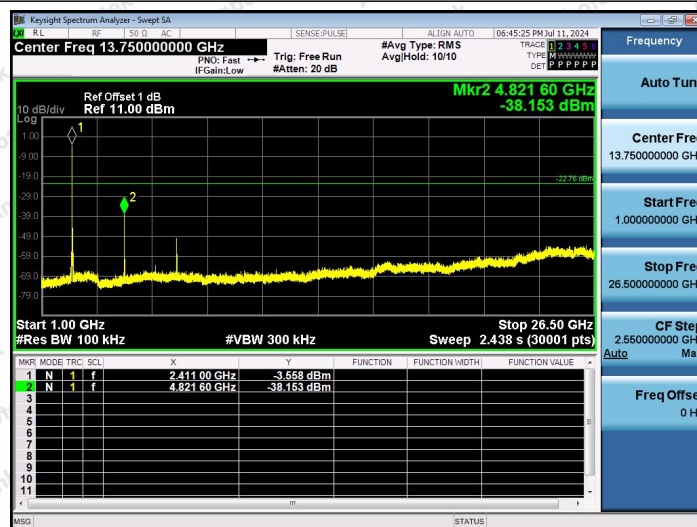
Test Graphs



2.4G-Ant1-2411-0~Reference-PASS



2.4G-Ant1-2411-30~1000-PASS



2.4G-Ant1-2411-1000~26500-PASS

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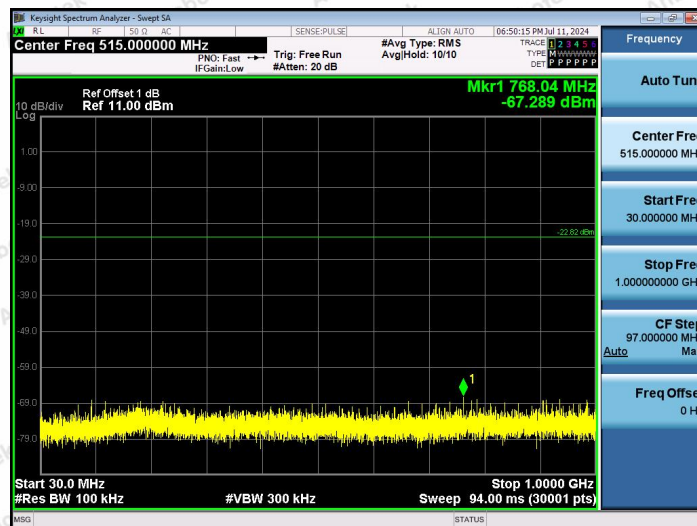


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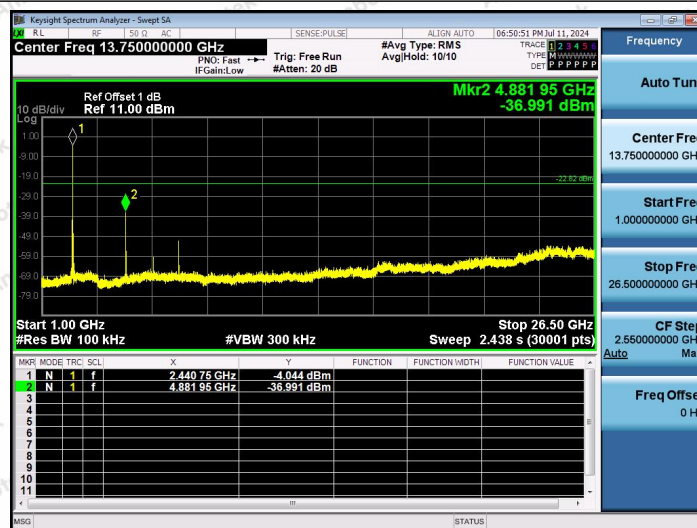




2.4G-Ant1-2441-0~Reference-PASS



2.4G-Ant1-2441-30~1000-PASS

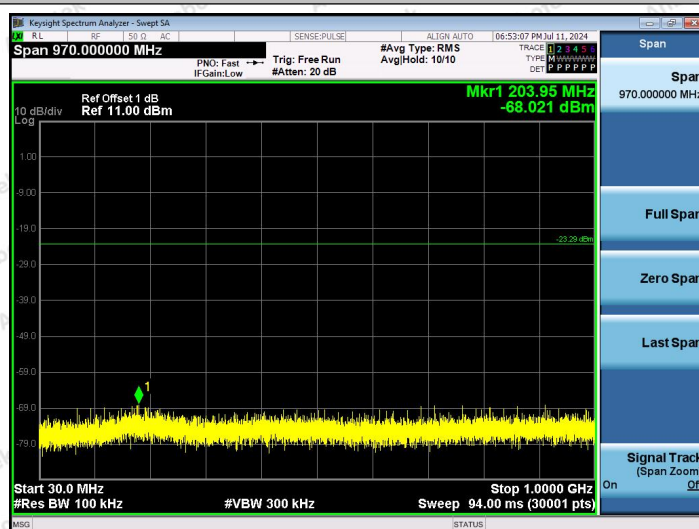


2.4G-Ant1-2441-1000~26500-PASS

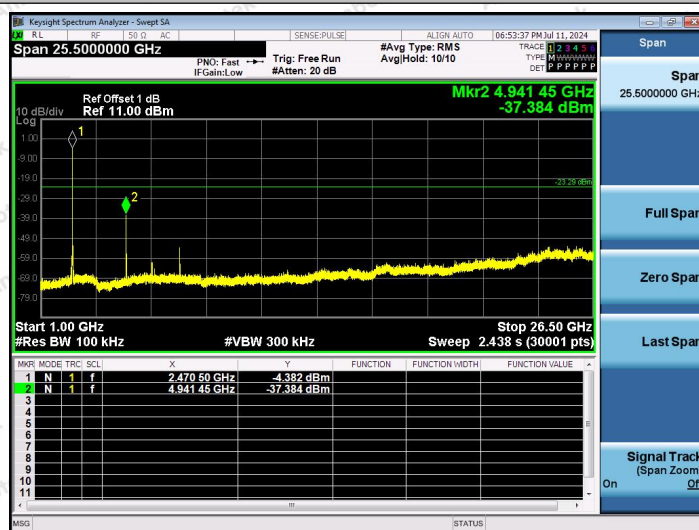




2.4G-Ant1-2471-0~Reference-PASS



2.4G-Ant1-2471-30~1000-PASS



2.4G-Ant1-2471-1000~26500-PASS

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Appendix I: Duty Cycle

Test Result

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
2.4G	Ant1	2411	0.50	1.21	41.32	3.84
2.4G	Ant1	2441	0.50	1.21	41.32	3.84
2.4G	Ant1	2471	0.50	1.14	43.86	3.58

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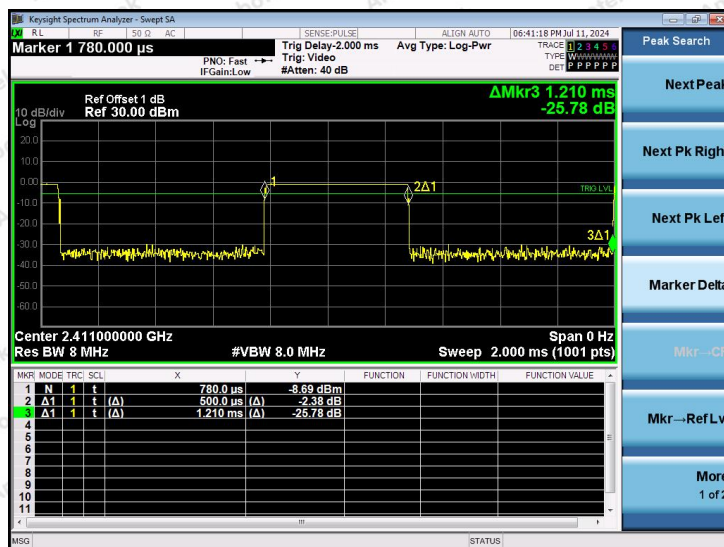
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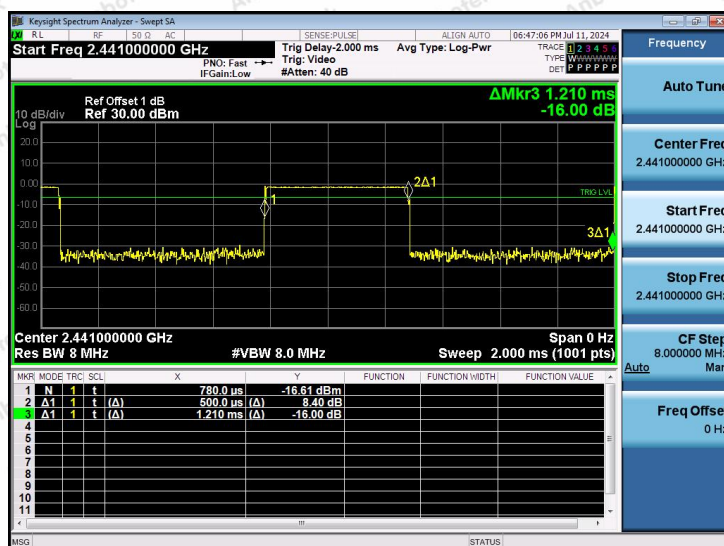
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Test Graphs

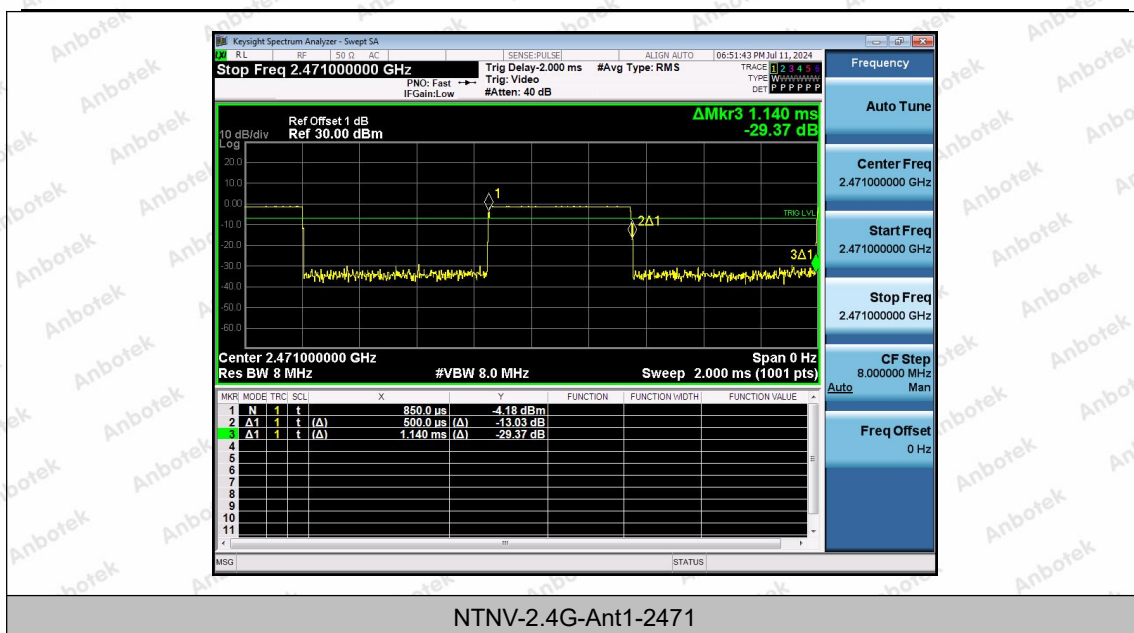


NTNV-2.4G-Ant1-2411



NTNV-2.4G-Ant1-2441





NTNV-2.4G-Ant1-2471

---End---

