

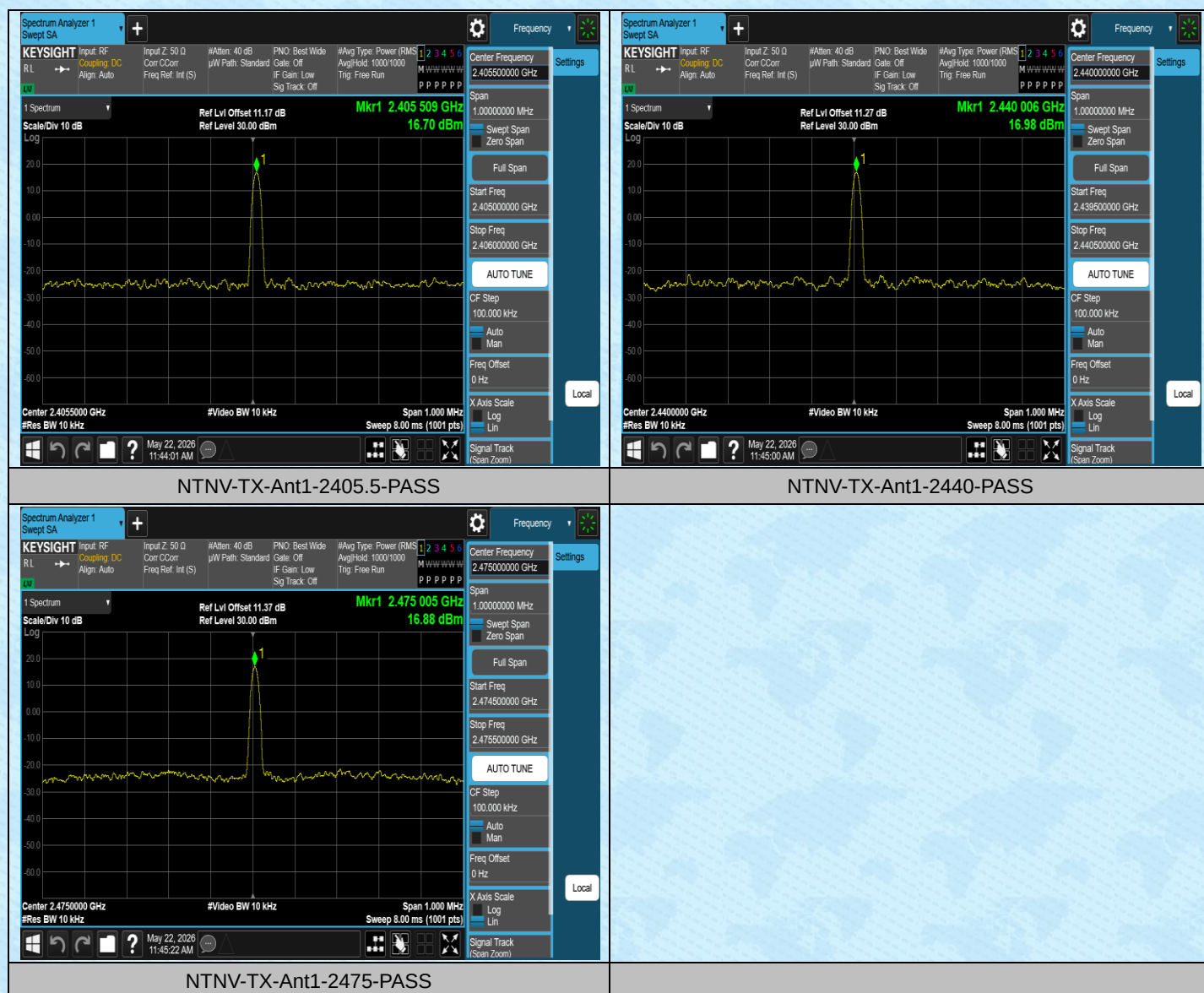
AppendixA: Frequency_Error

Test Result

Test Condition	Test Mode	Antenna	CenterFreq [MHz]	Frequency [MHz]	Result[ppm]	Limit[ppm]	Verdict
NTNV	TX	Ant1	2405.5	2405.509	3.74143	±50	PASS
NTNV	TX	Ant1	2440	2440.006	2.45902	±50	PASS
NTNV	TX	Ant1	2475	2475.005	2.02020	±50	PASS

Note:Result[ppm]= (CenterFreq - Frequency)/CenterFreq*1000000

Test Graphs



AppendixB: AntennaPower

Test Result

Test Condition	TestMode	Antenna	Frequency[MHz]	Result(dBm)	Result(mW)	Spread Bandwidth(MHz)	Result(mW/MHz)	Limit(mW/MHz)	Verdict
NTNV	TX	Ant1	Hop	17.16	51.9996	64.544	0.8056	≤3	PASS

Note: Result(mW) = $10^{(\text{Test Result(dBm)}/10)}$

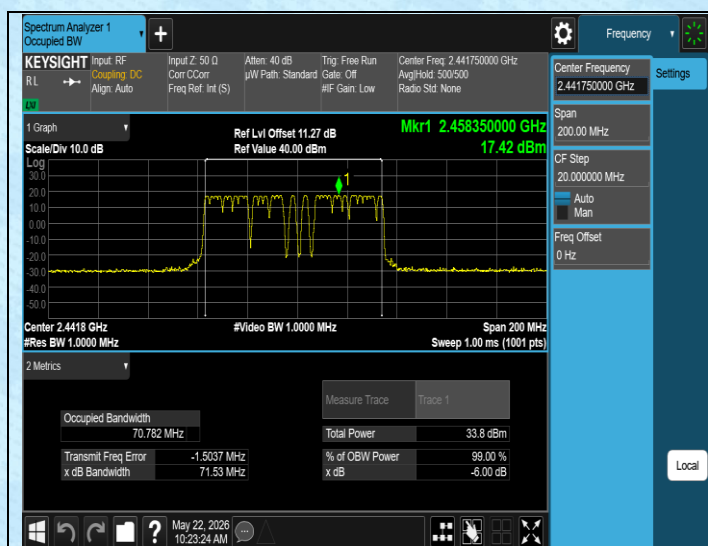
Test Condition	Test Mode	Antenna	Frequency[MHz]	Power (mW/MHz)	RatedPower (mW/MHz)	Result (%)	Limit (%)	Verdict
NTNV	TX	Ant1	Hop	0.8056	0.9	-10.49	+20	PASS

AppendixC: Occupied Bandwidth

Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	Result [MHz]	Limit [MHz]	Verdict
NTNV	TX	Ant1	Hop	70.782	≤83.5	PASS

Test Graphs



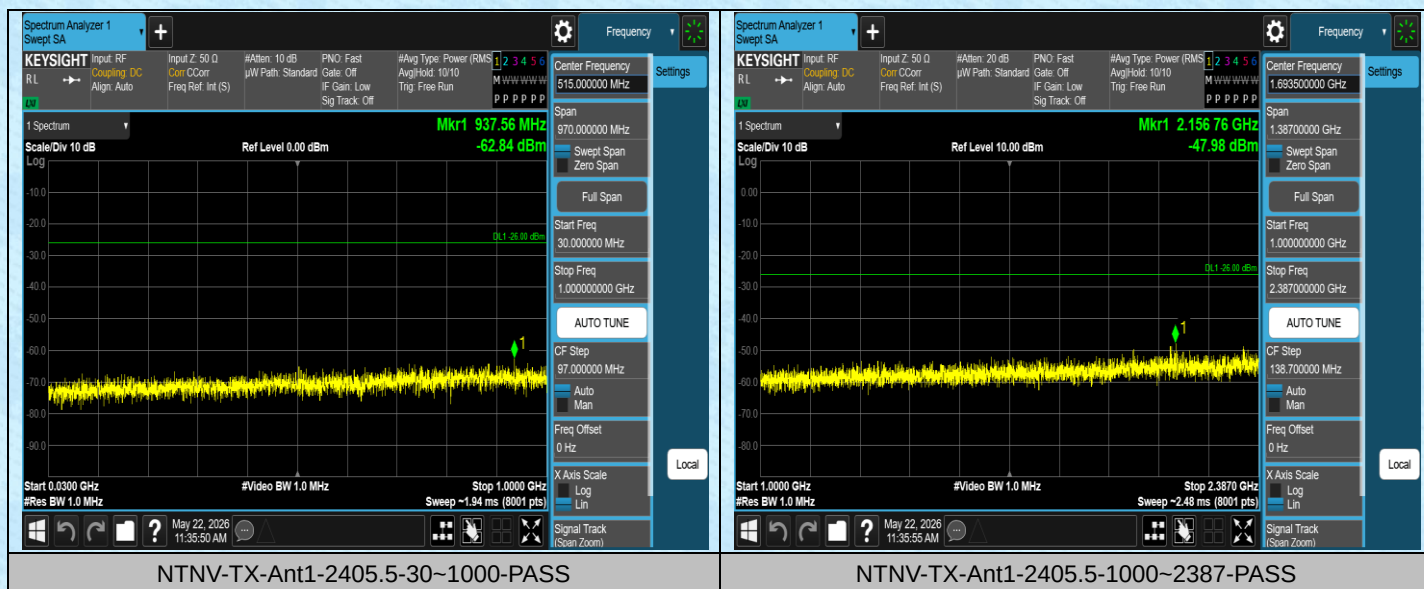
NTNV-TX-Ant1-Hop-PASS

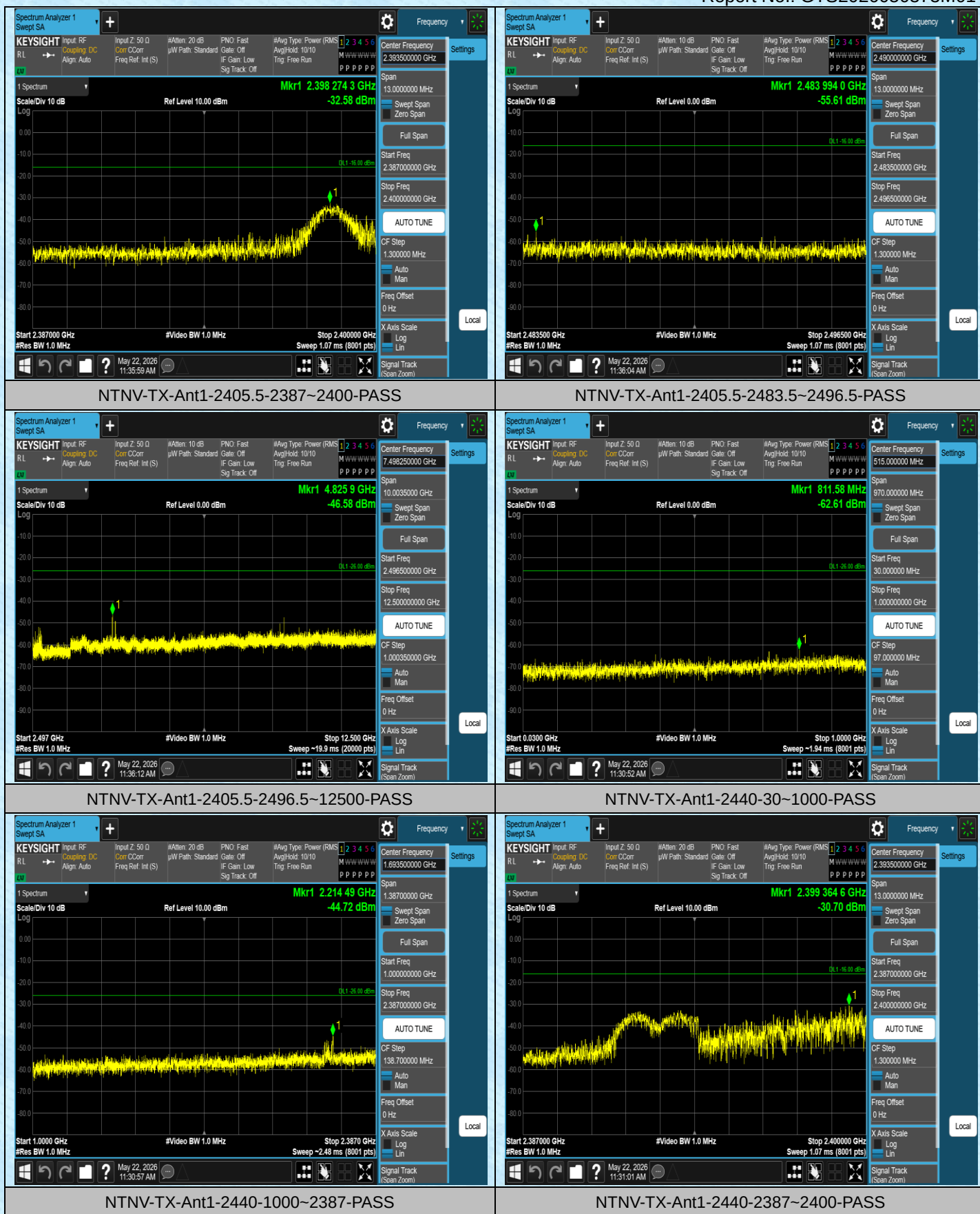
AppendixD:Spurious Emission of TX

Test Result

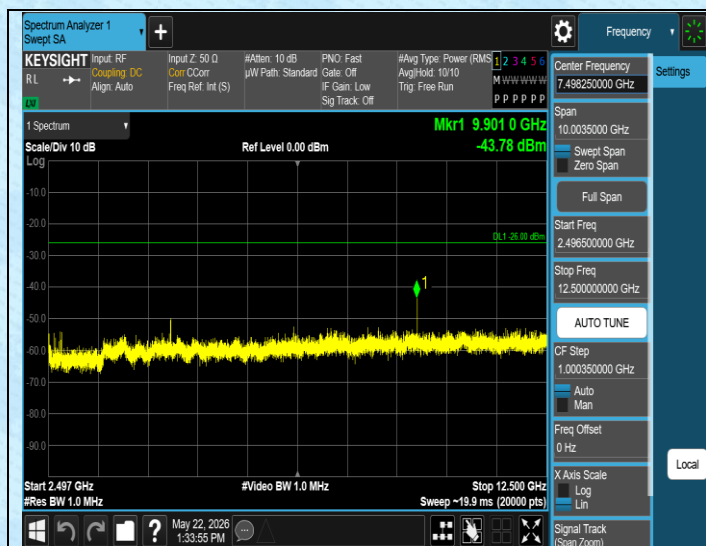
Test Condition	Test Mode	Antenna	Frequency[MHz]	Freq.Range [MHz]	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [μW]	Limit [μW]	Verdict
NTNV	TX	Ant1	2405.5	30~1000	937.56	-62.84	≤-26	0.00052	≤2.5	PASS
NTNV	TX	Ant1	2405.5	1000~2387	2156.76	-47.98	≤-26	0.01592	≤2.5	PASS
NTNV	TX	Ant1	2405.5	2387~2400	2398.27	-32.59	≤-16	0.55081	≤25	PASS
NTNV	TX	Ant1	2405.5	2483.5~2496.5	2483.99	-55.61	≤-16	0.00275	≤25	PASS
NTNV	TX	Ant1	2405.5	2496.5~12500	4825.93	-46.58	≤-26	0.02198	≤2.5	PASS
NTNV	TX	Ant1	2440	30~1000	811.58	-62.61	≤-26	0.00055	≤2.5	PASS
NTNV	TX	Ant1	2440	1000~2387	2214.49	-44.72	≤-26	0.03373	≤2.5	PASS
NTNV	TX	Ant1	2440	2387~2400	2399.36	-30.70	≤-16	0.85114	≤25	PASS
NTNV	TX	Ant1	2440	2483.5~2496.5	2486.25	-33.83	≤-16	0.41400	≤25	PASS
NTNV	TX	Ant1	2440	2496.5~12500	4814.93	-46.89	≤-26	0.02046	≤2.5	PASS
NTNV	TX	Ant1	2475	30~1000	865.29	-63.11	≤-26	0.00049	≤2.5	PASS
NTNV	TX	Ant1	2475	1000~2387	2219.35	-46.38	≤-26	0.02301	≤2.5	PASS
NTNV	TX	Ant1	2475	2387~2400	2387.67	-50.05	≤-16	0.00989	≤25	PASS
NTNV	TX	Ant1	2475	2483.5~2496.5	2484.38	-32.24	≤-16	0.59704	≤25	PASS
NTNV	TX	Ant1	2475	2496.5~12500	9900.96	-43.78	≤-26	0.04188	≤2.5	PASS

Test Graphs









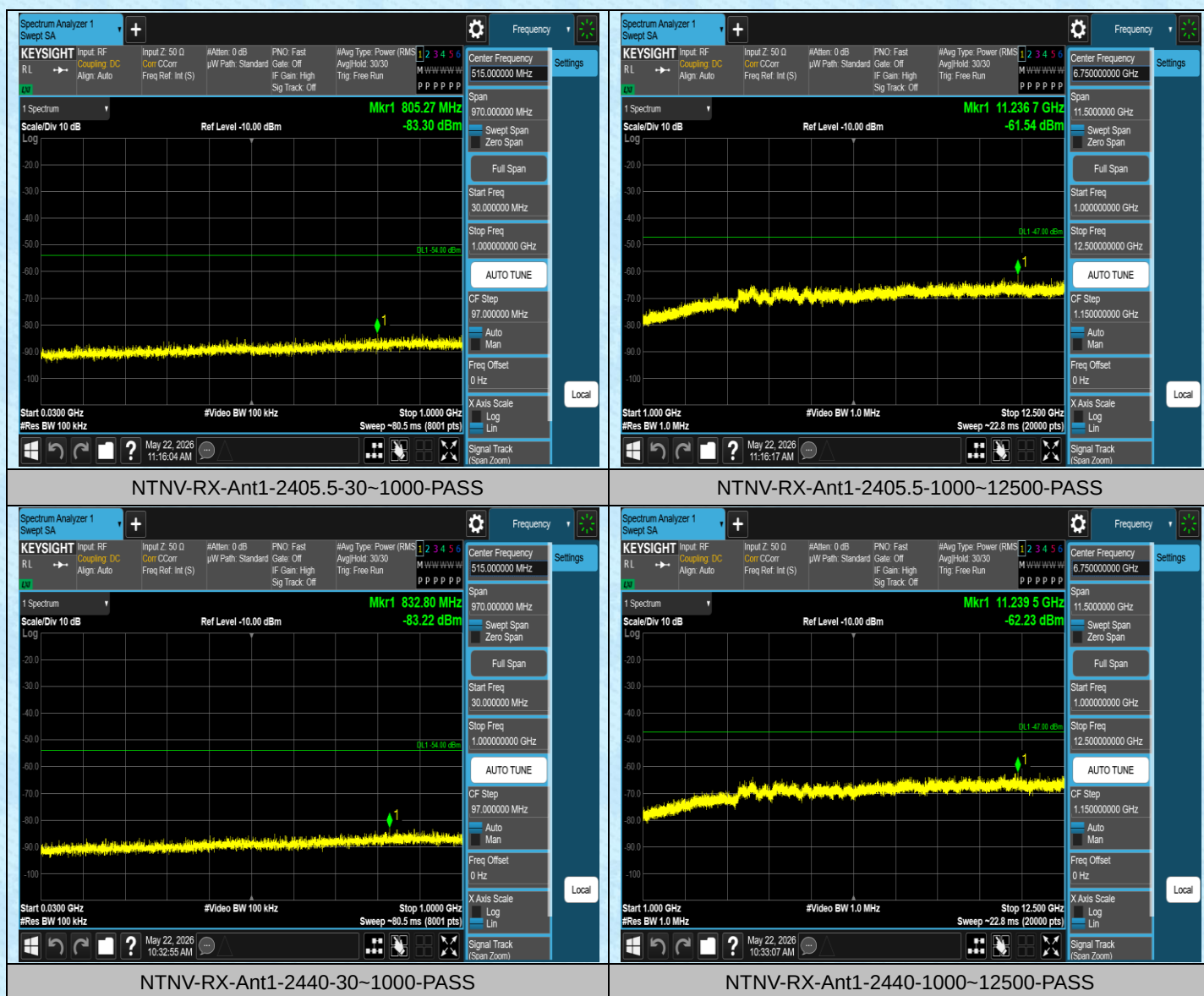
NTNV-TX-Ant1-2475-2496.5~12500-PASS

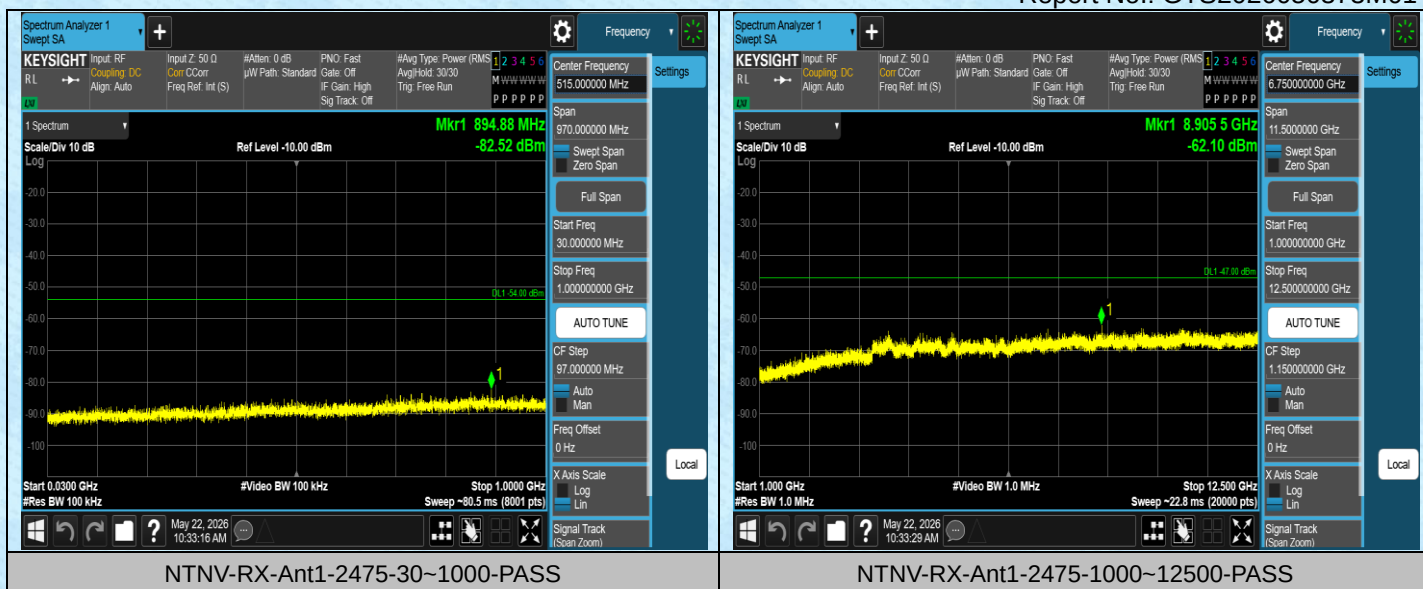
Appendix E: Spurious Emission of RX

Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Freq. Range [MHz]	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [nW]	Limit [nW]	Verdict
NTNV	RX	Ant1	2405.5	30~1000	805.27	-83.30	≤-54	0.00468	≤4	PASS
NTNV	RX	Ant1	2405.5	1000~12500	11236.66	-61.54	≤-47	0.70146	≤20	PASS
NTNV	RX	Ant1	2440	30~1000	832.80	-83.22	≤-54	0.00476	≤4	PASS
NTNV	RX	Ant1	2440	1000~12500	11239.54	-62.23	≤-47	0.59841	≤20	PASS
NTNV	RX	Ant1	2475	30~1000	894.88	-82.52	≤-54	0.00560	≤4	PASS
NTNV	RX	Ant1	2475	1000~12500	8905.50	-62.10	≤-47	0.61660	≤20	PASS

Test Graphs





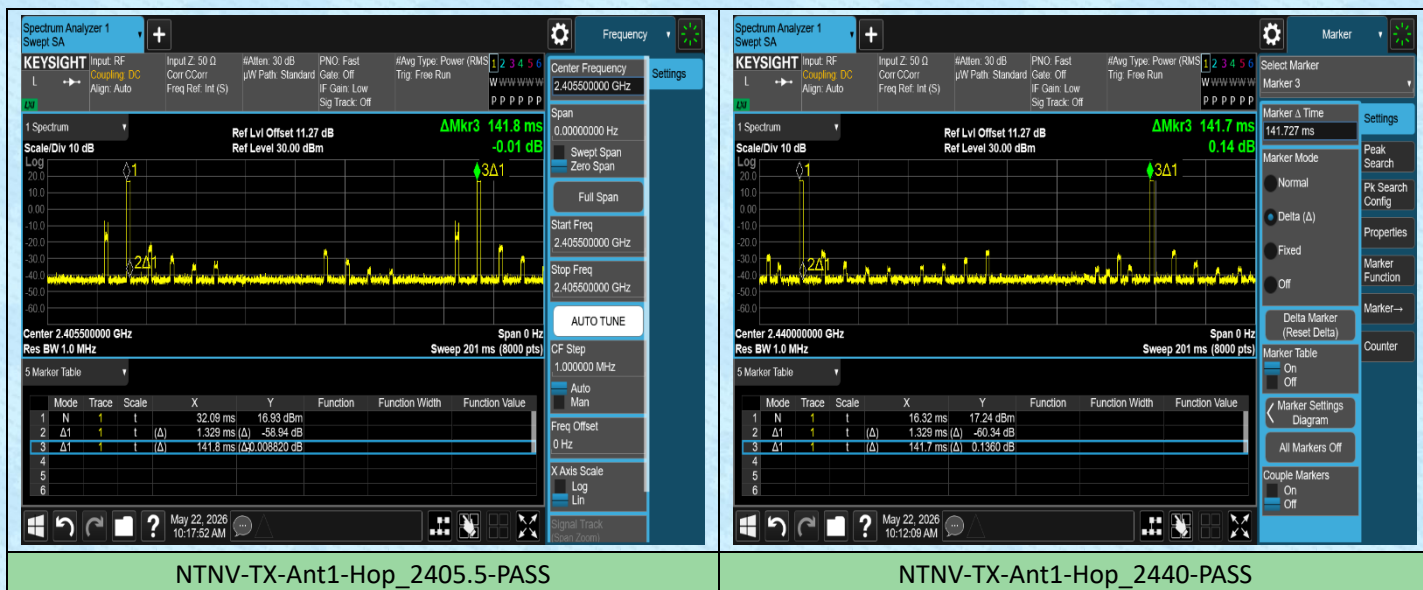
AppendixF:Dwell Time

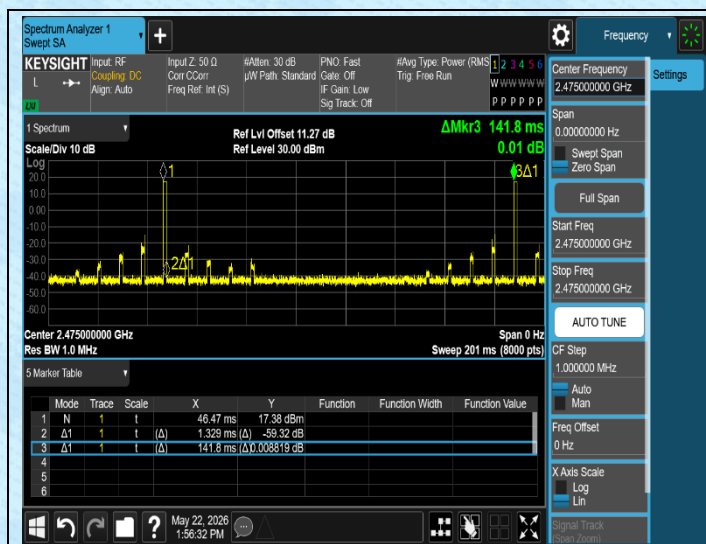
Test Result

Test Condition	TestMode	Test Channel [MHz]	Antenna	Spreading Rate	T_on [ms]	Period [ms]	Hopp Number	Dwell Time [s]	Limit [s]	Verdict
NTNV	TX	2405.5	ANT1	129.088	1.329	141.8	32	0.015	<=0.4	PASS
		2440	ANT1	129.088	1.329	141.7	32	0.015	<=0.4	PASS
		2475	ANT1	129.088	1.329	141.8	32	0.015	<=0.4	PASS

Note: Dwell time=0.4*Spreading Rate*T_on/(Period*Hopp Number)

Test Graphs





NTNV-TX-Ant1-Hop_2475-PASS

-----End-----