

Appendix: Bluetooth BR&EDR

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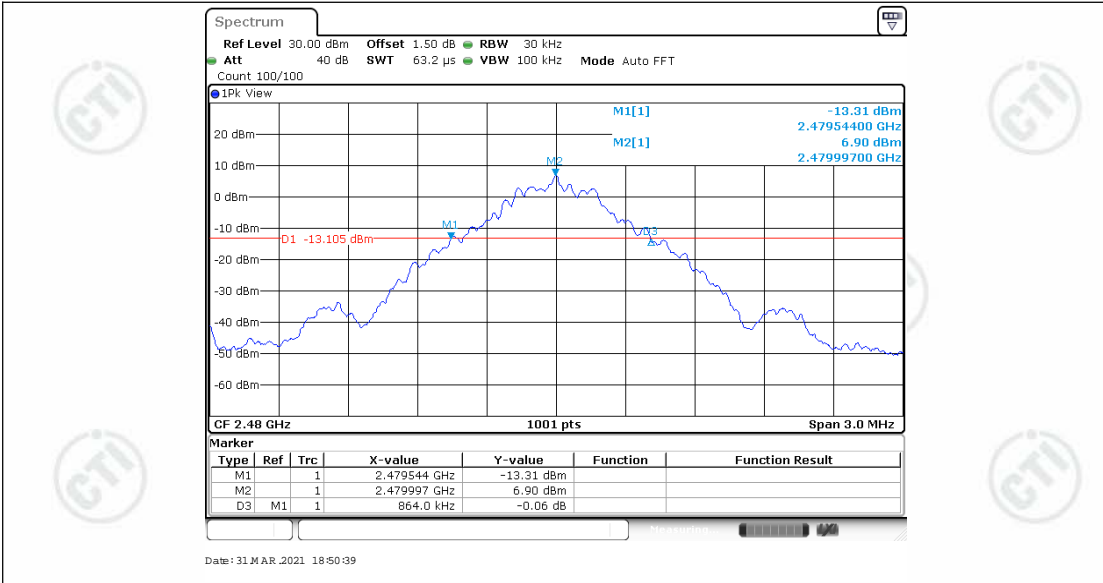
## Appendix A: 20dB Emission Bandwidth

### Test Result

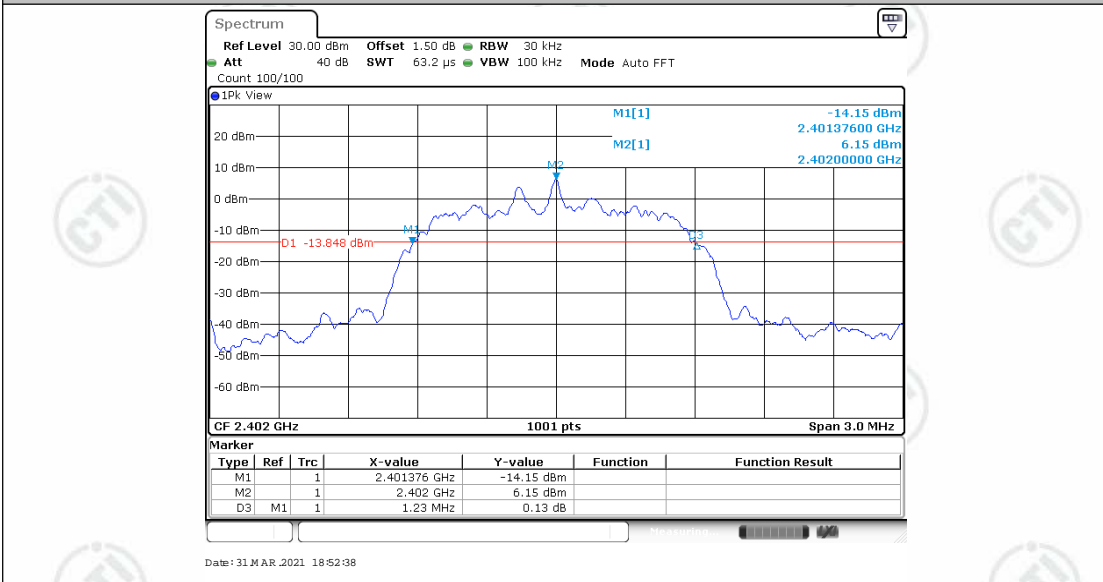
Test Mode	Antenna	Channel	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.861	2401.547	2402.408	---	PASS
		2441	0.861	2440.547	2441.408	---	PASS
		2480	0.864	2479.544	2480.408	---	PASS
2DH5	Ant1	2402	1.230	2401.376	2402.606	---	PASS
		2441	1.230	2440.376	2441.606	---	PASS
		2480	1.233	2479.376	2480.609	---	PASS

**Test Graphs**

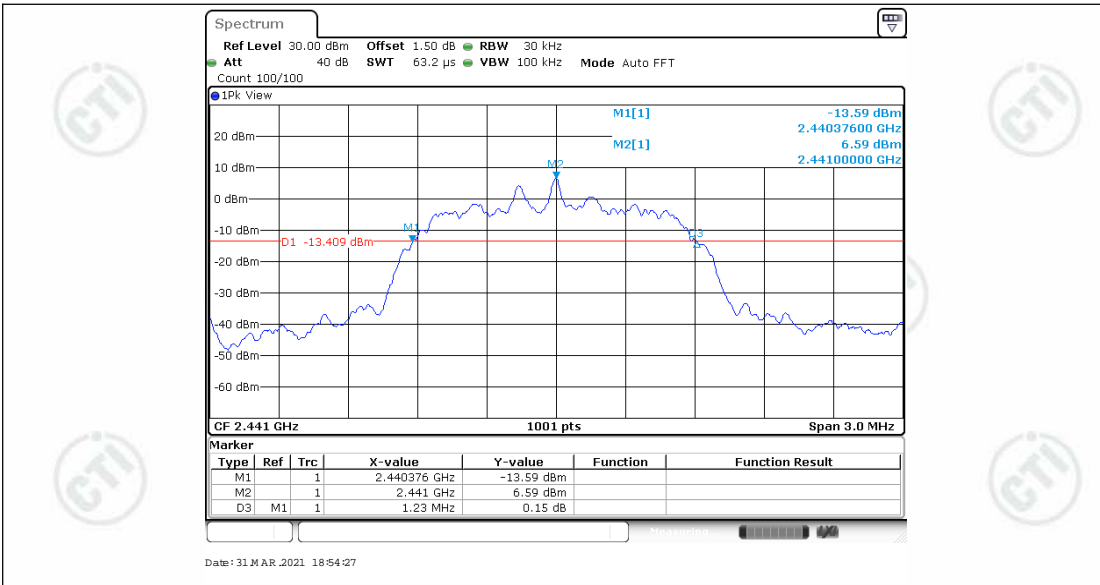




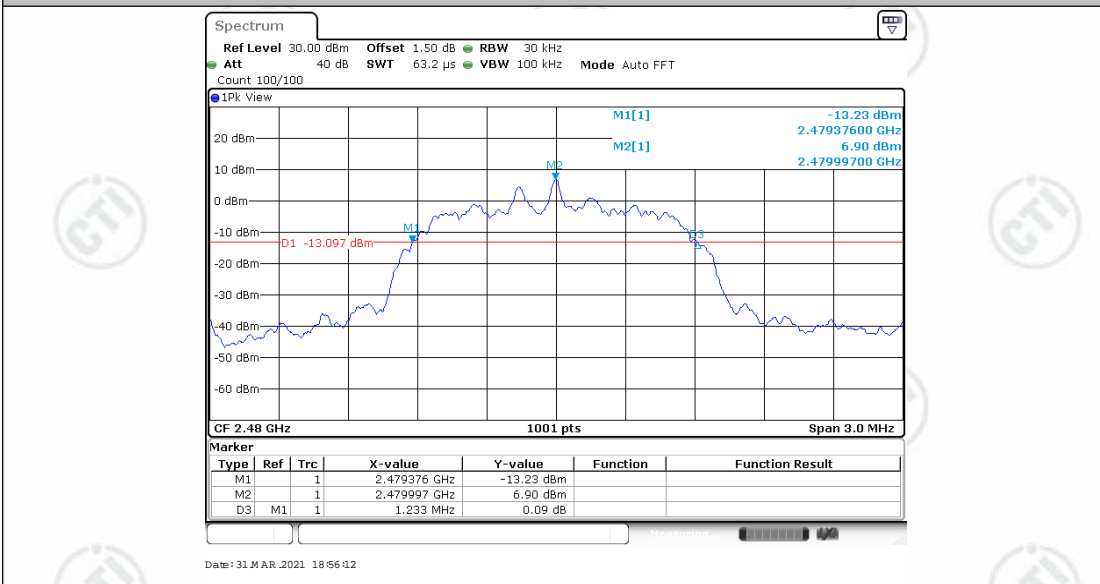
DH5\_Ant1\_2480



2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



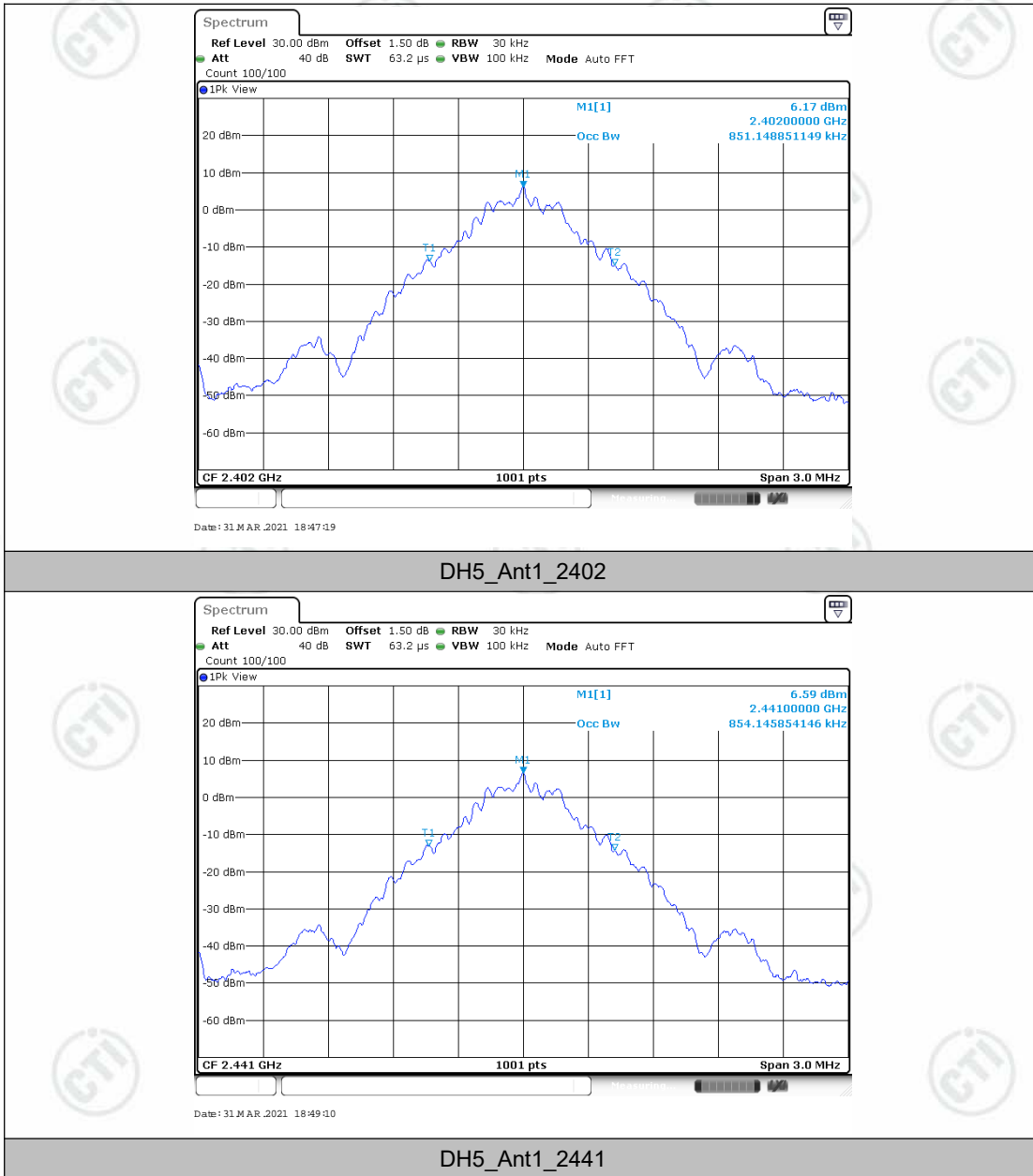
2DH5\_Ant1\_2480

## Appendix B: Occupied Channel Bandwidth

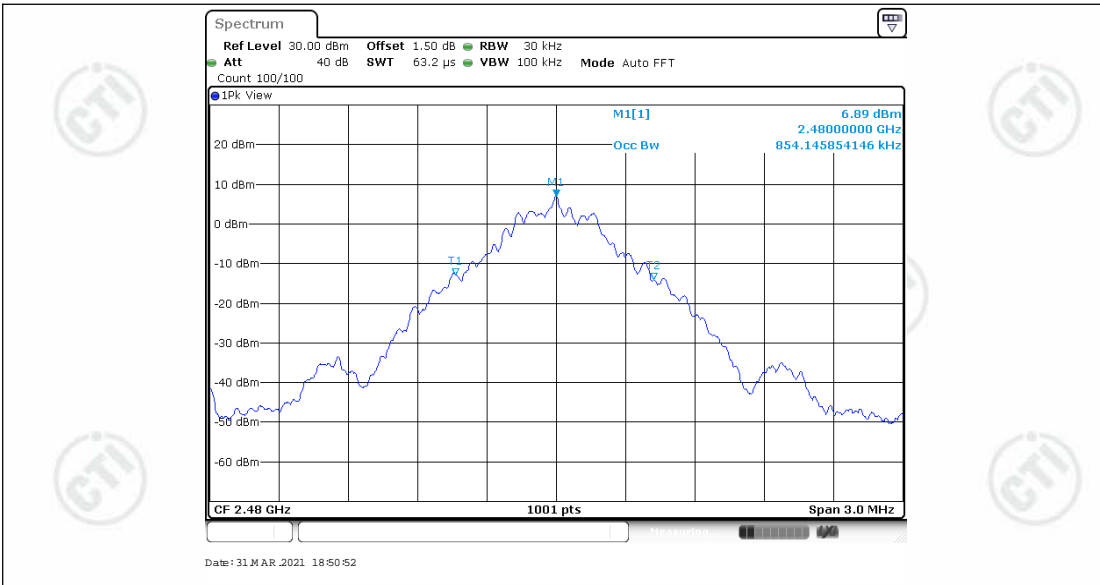
### Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.851	2401.56 8	2402.420	---	PASS
		2441	0.854	2440.56 5	2441.420	---	PASS
		2480	0.854	2479.56 5	2480.420	---	PASS
2DH5	Ant1	2402	1.166	2401.41 3	2402.578	---	PASS
		2441	1.169	2440.41 0	2441.578	---	PASS
		2480	1.172	2479.41 0	2480.581	---	PASS

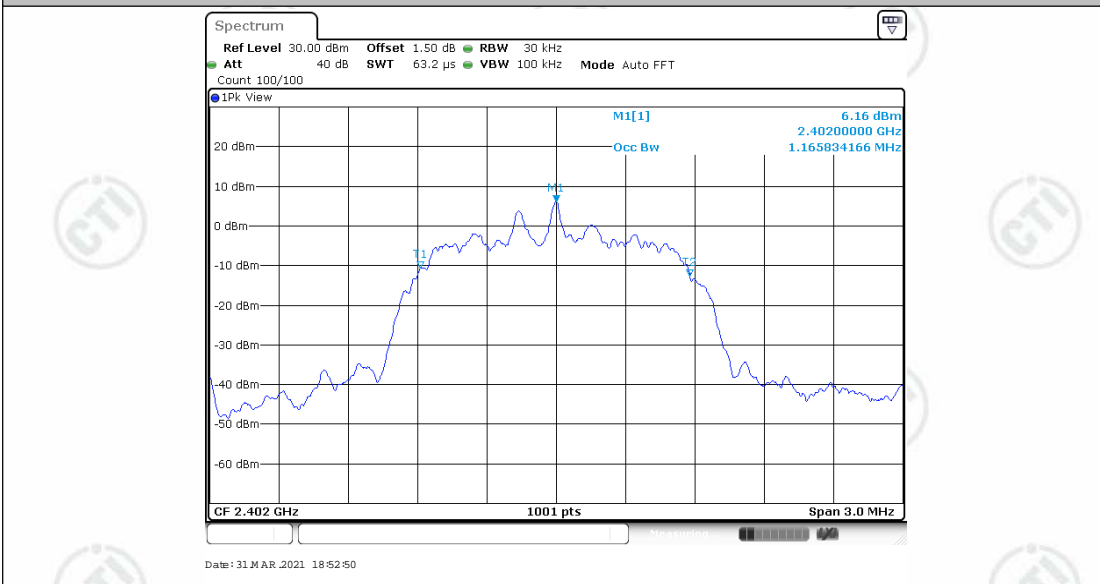
**Test Graphs**



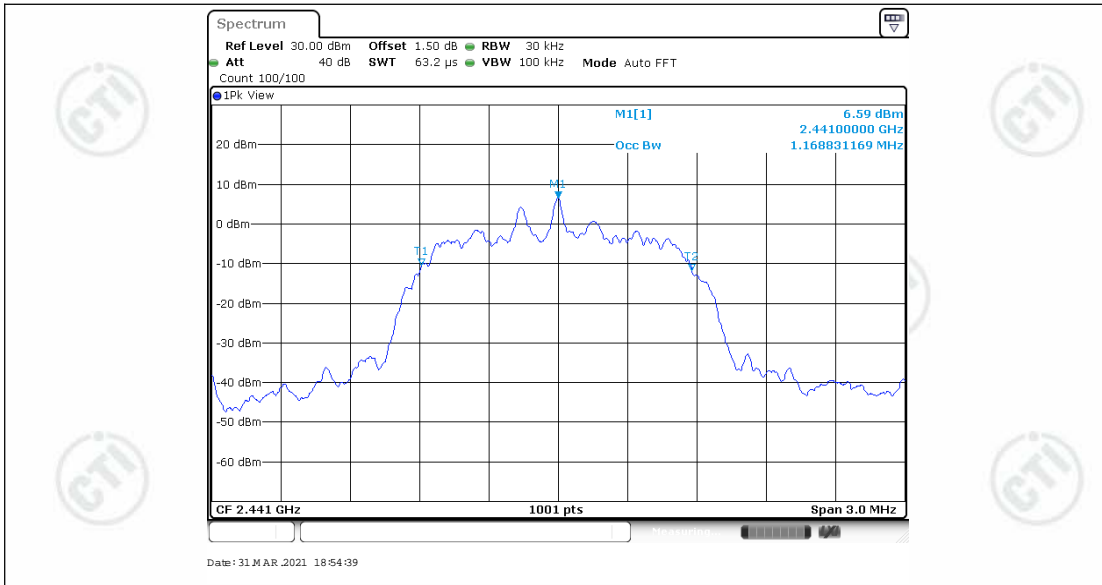




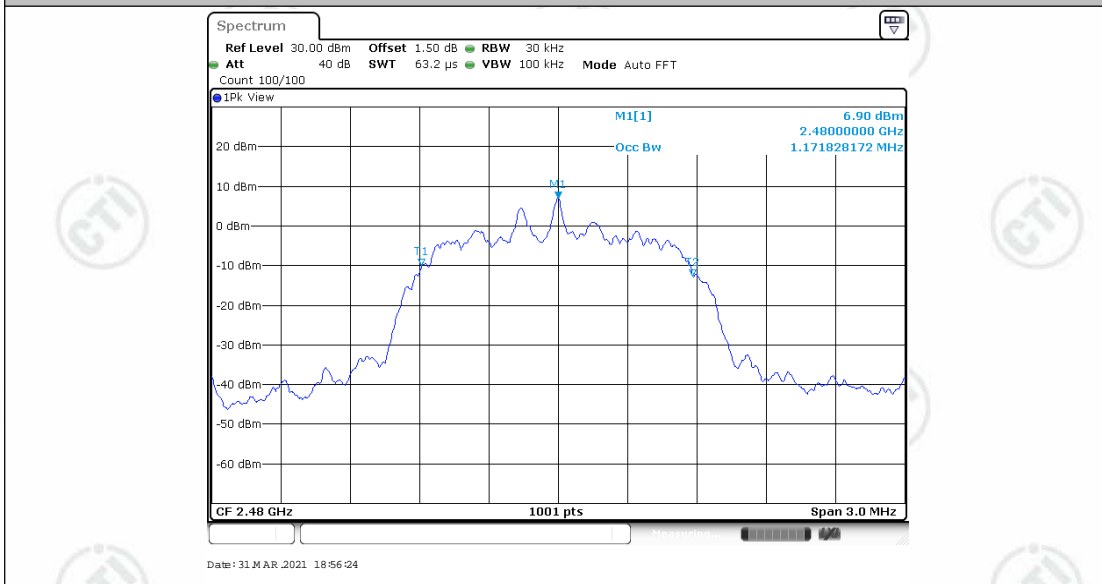
DH5\_Ant1\_2480



2DH5\_Ant1\_2402



2DH5\_Ant1\_2441



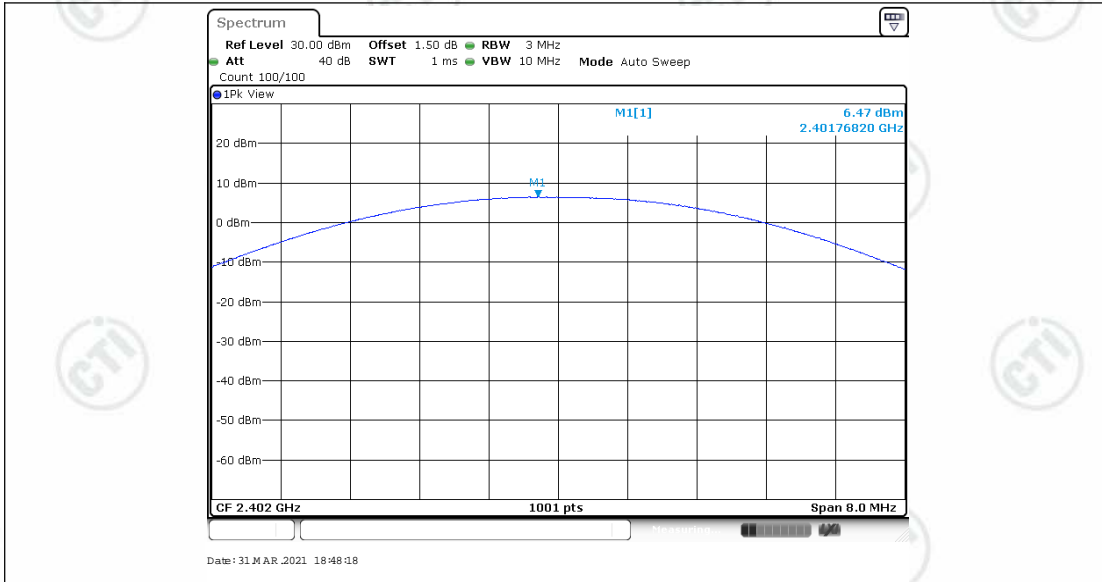
2DH5\_Ant1\_2480

## Appendix C: Maximum conducted output power

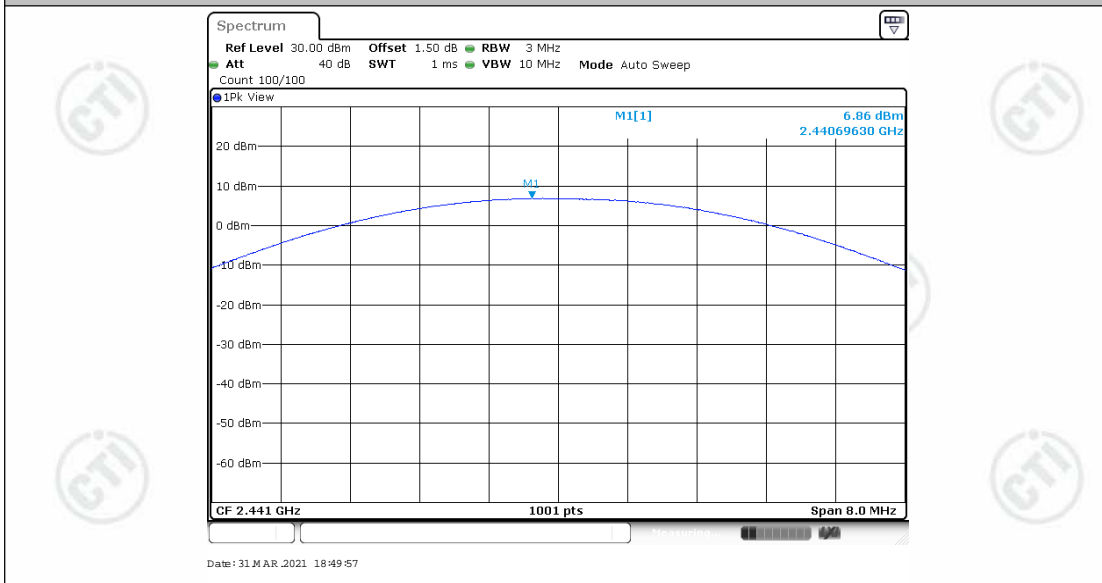
### Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	6.47	<=20.97	PASS
		2441	6.86	<=20.97	PASS
		2480	7.17	<=20.97	PASS
2DH5	Ant1	2402	7.31	<=20.97	PASS
		2441	7.64	<=20.97	PASS
		2480	7.95	<=20.97	PASS

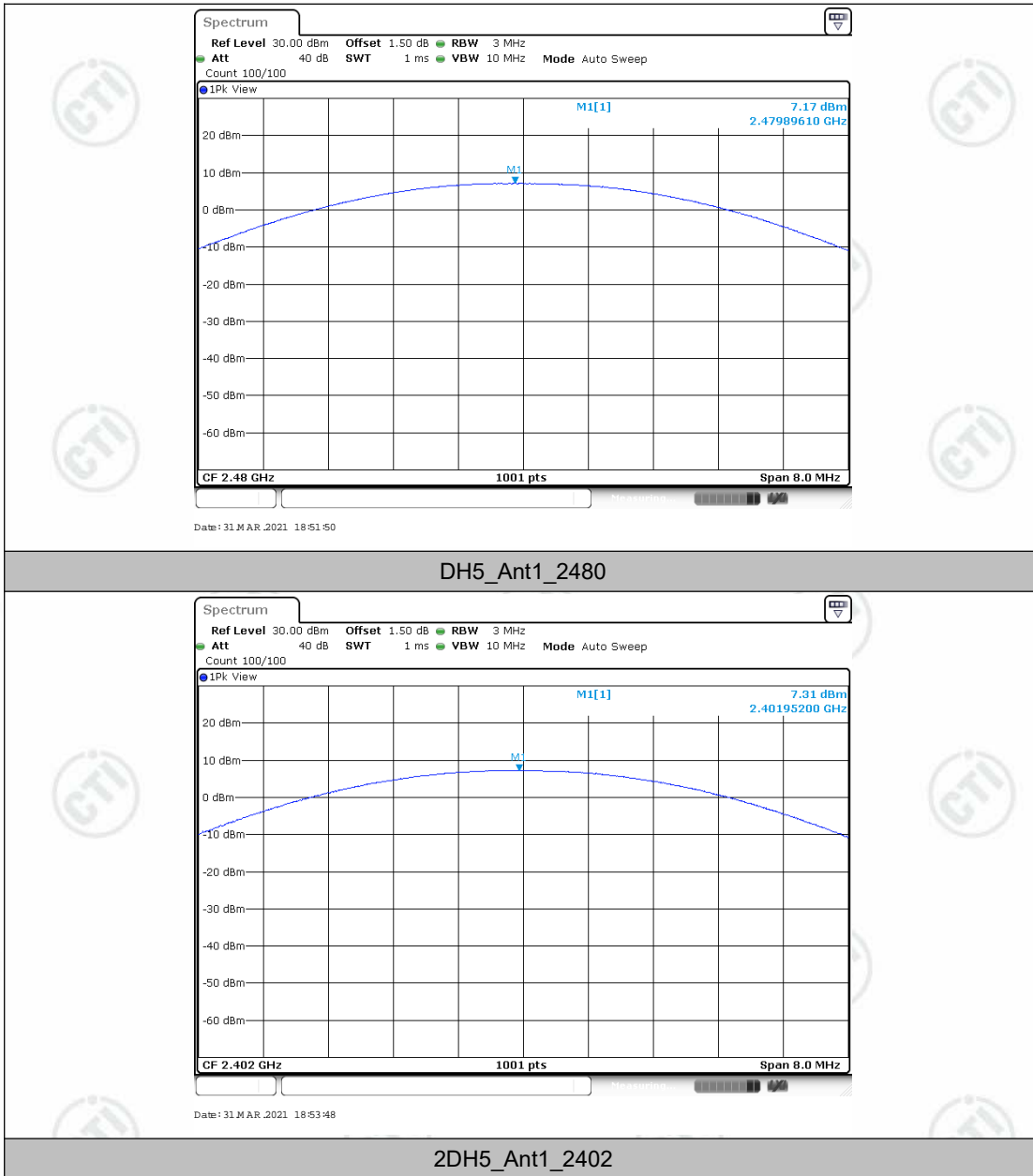
**Test Graphs**

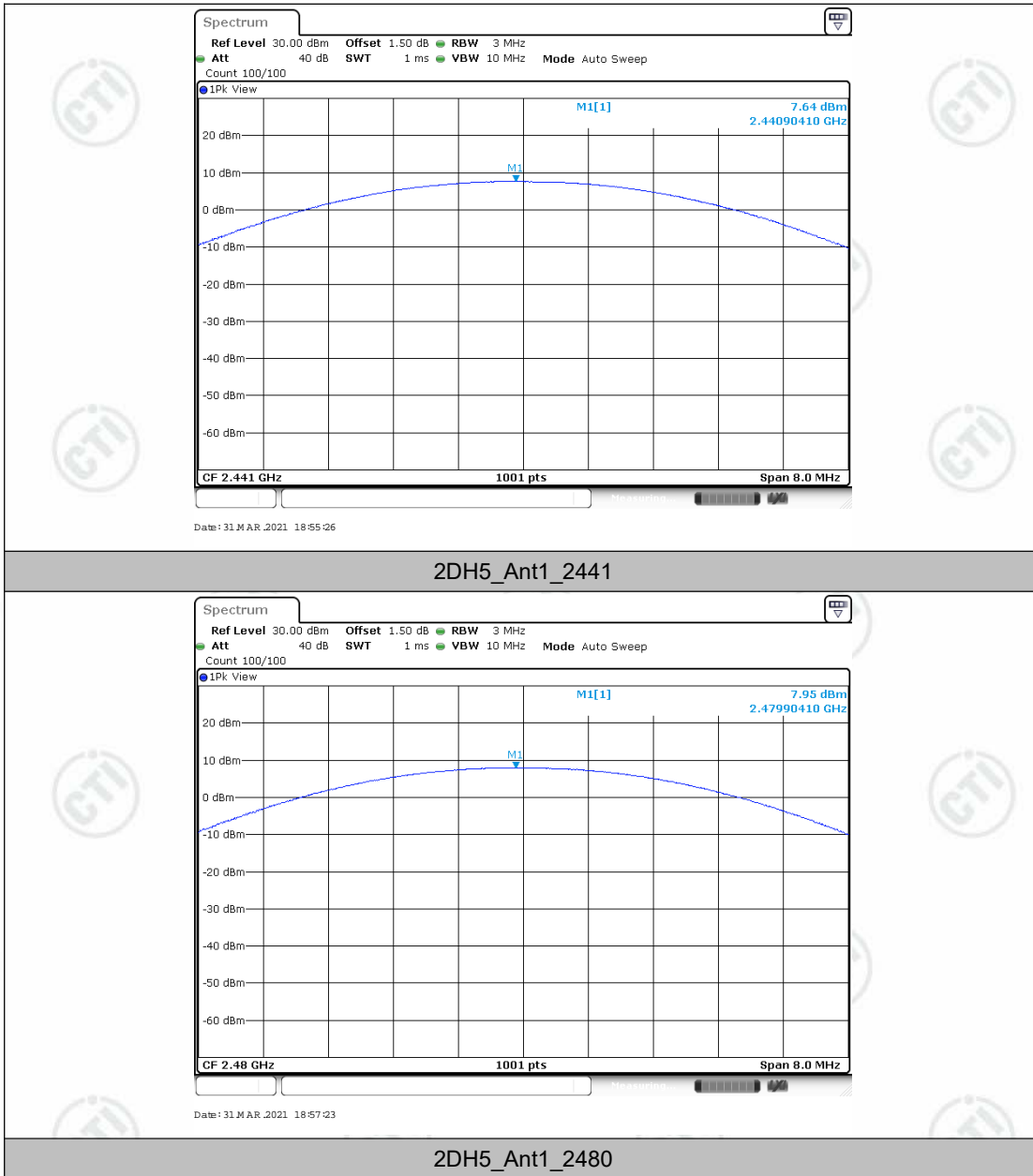


DH5\_Ant1\_2402



DH5\_Ant1\_2441



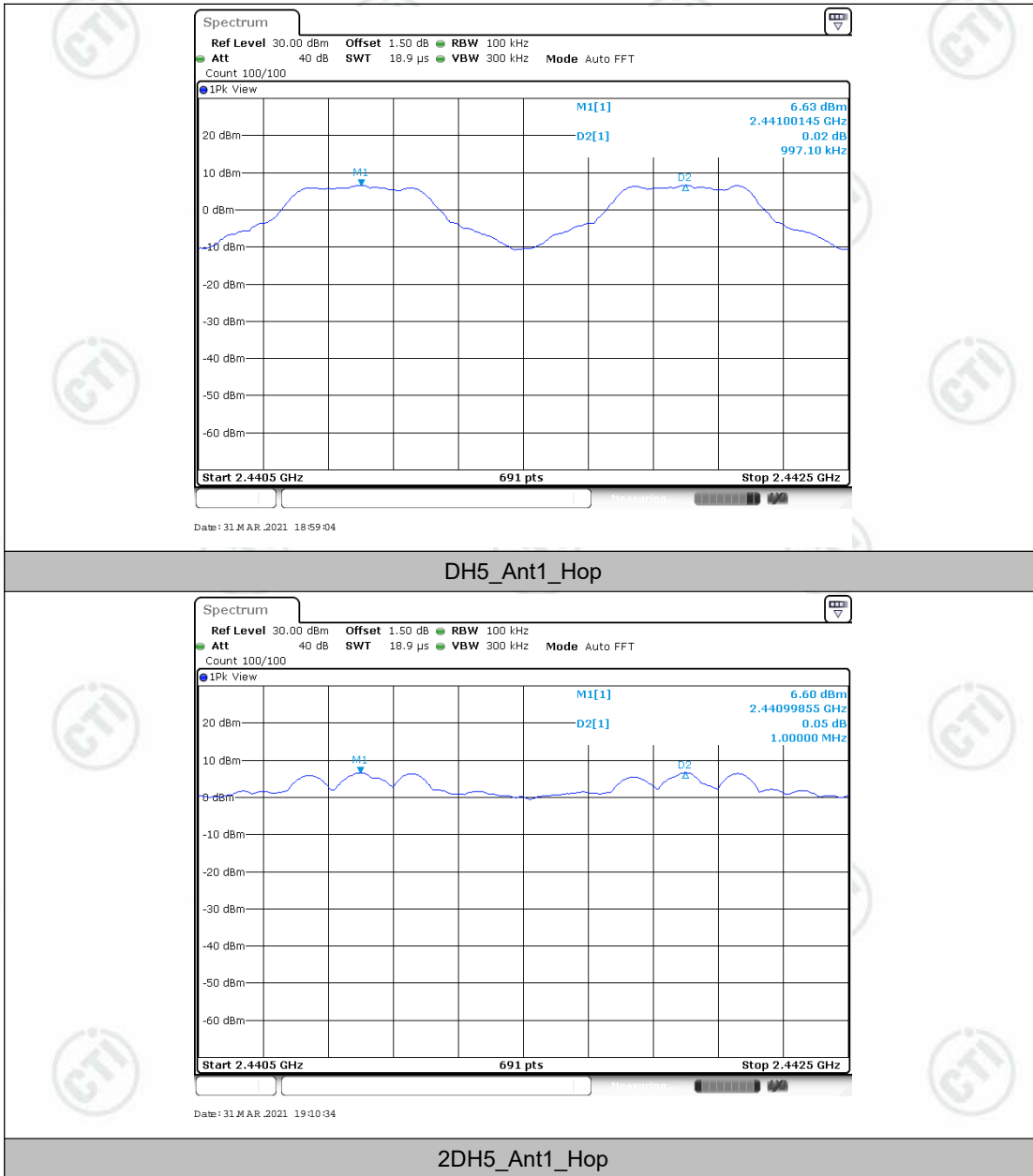


## Appendix D: Carrier frequency separation

### Test Result

Test Mode	Antenna	Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.997	$\geq 0.864$	PASS
2DH5	Ant1	Hop	1	$\geq 0.822$	PASS

**Test Graphs**



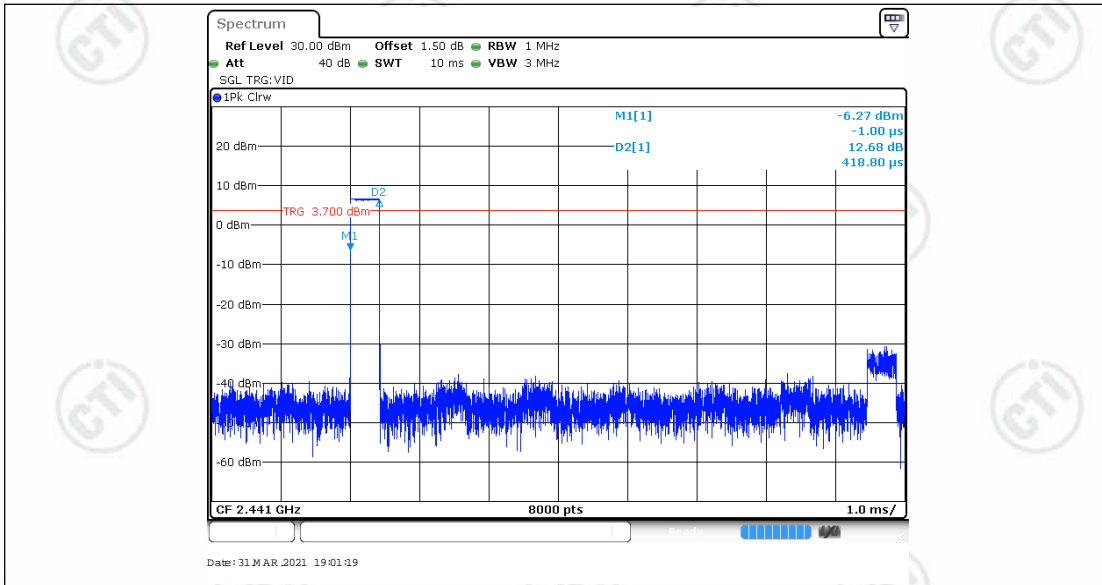


## Appendix E: Time of occupancy

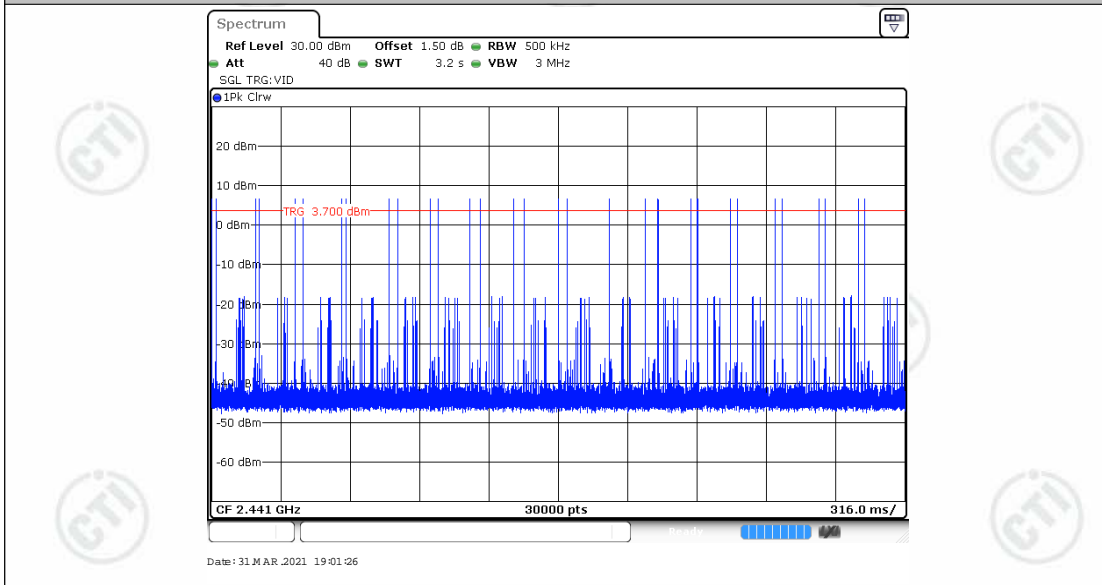
### Test Result

Test Mode	Antenna	Channel	Burst Width [ms]	Total Hops [Num]	Result[s]	Limit[s]	Verdict
DH1	Ant1	Hop	0.42	320	0.134	<=0.4	PASS
DH3	Ant1	Hop	1.67	170	0.283	<=0.4	PASS
DH5	Ant1	Hop	2.91	120	0.349	<=0.4	PASS
2DH1	Ant1	Hop	0.43	320	0.137	<=0.4	PASS
2DH3	Ant1	Hop	1.67	130	0.217	<=0.4	PASS
2DH5	Ant1	Hop	2.91	100	0.291	<=0.4	PASS

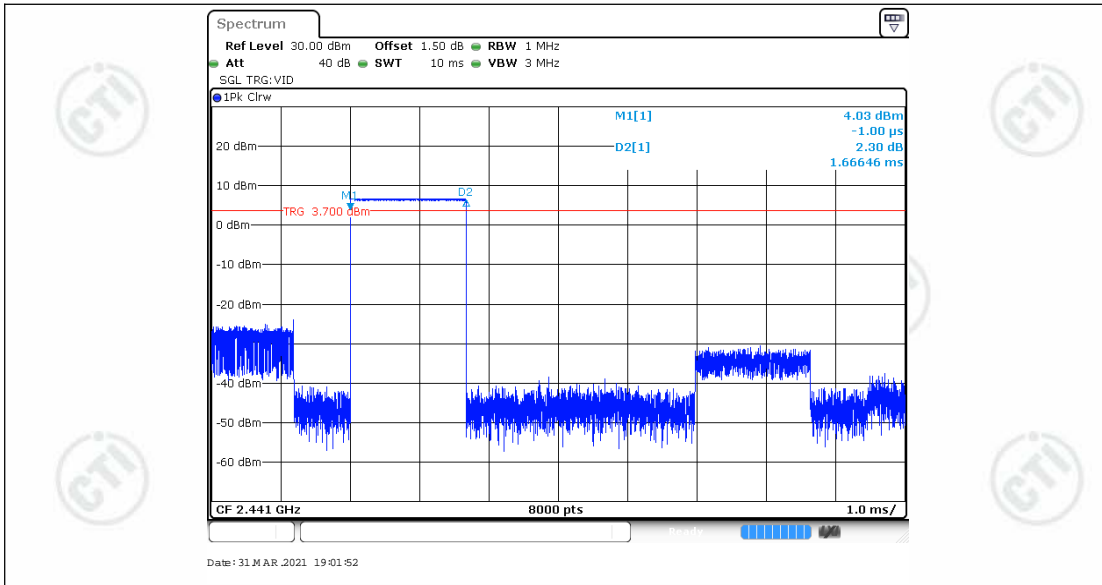
**Test Graphs**



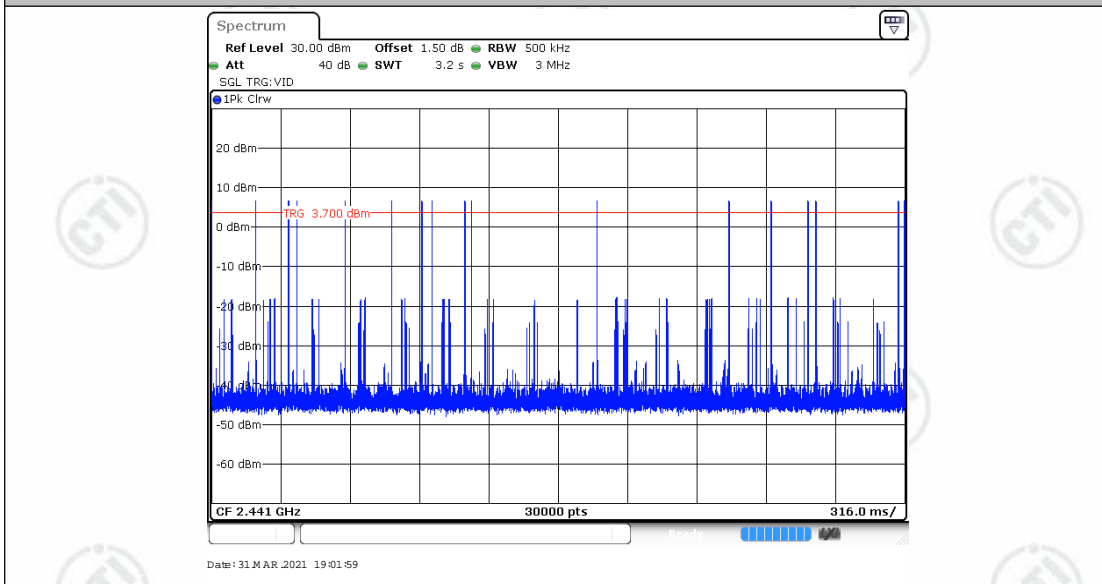
DH1\_Ant1\_Hop



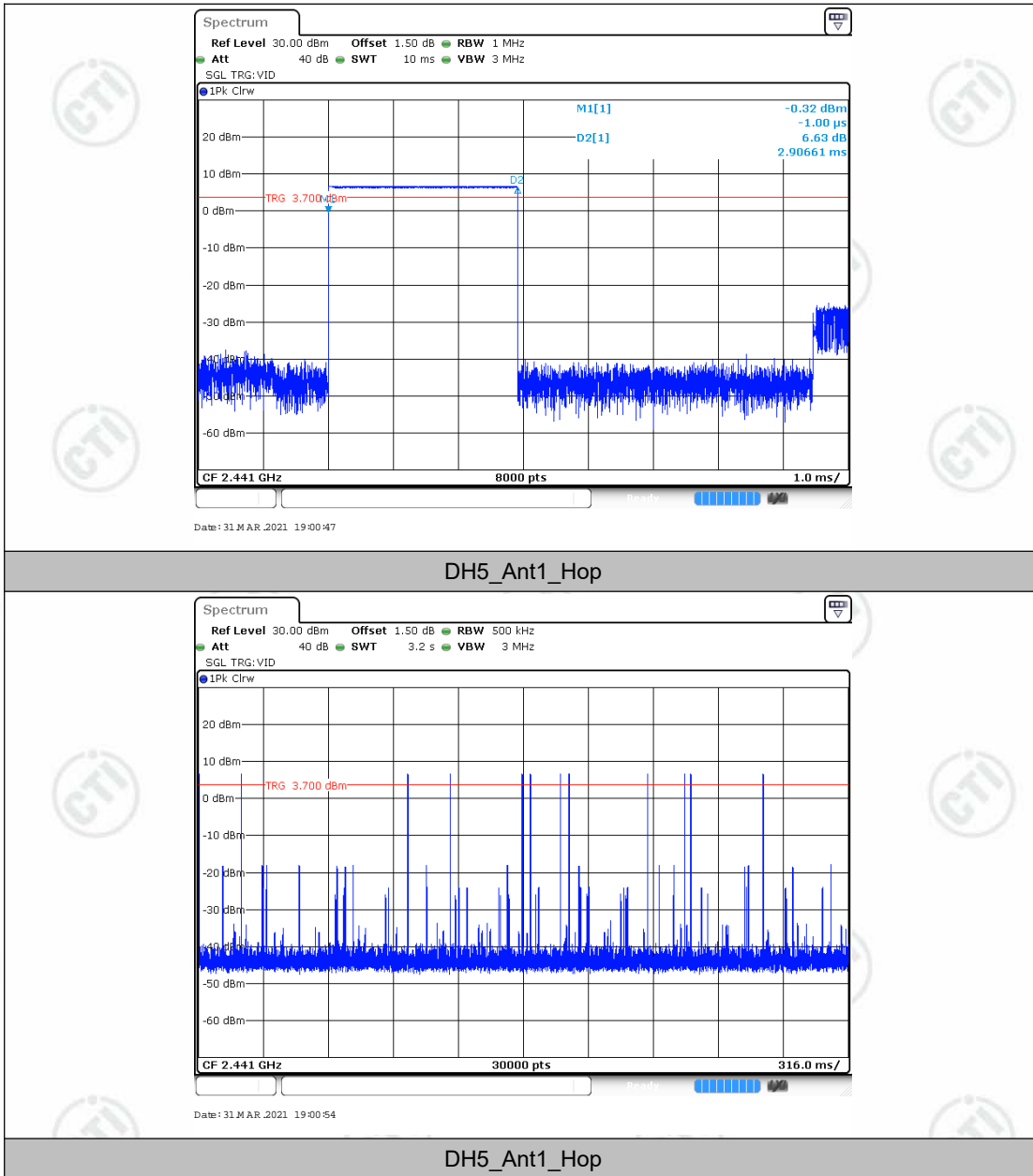
DH1\_Ant1\_Hop

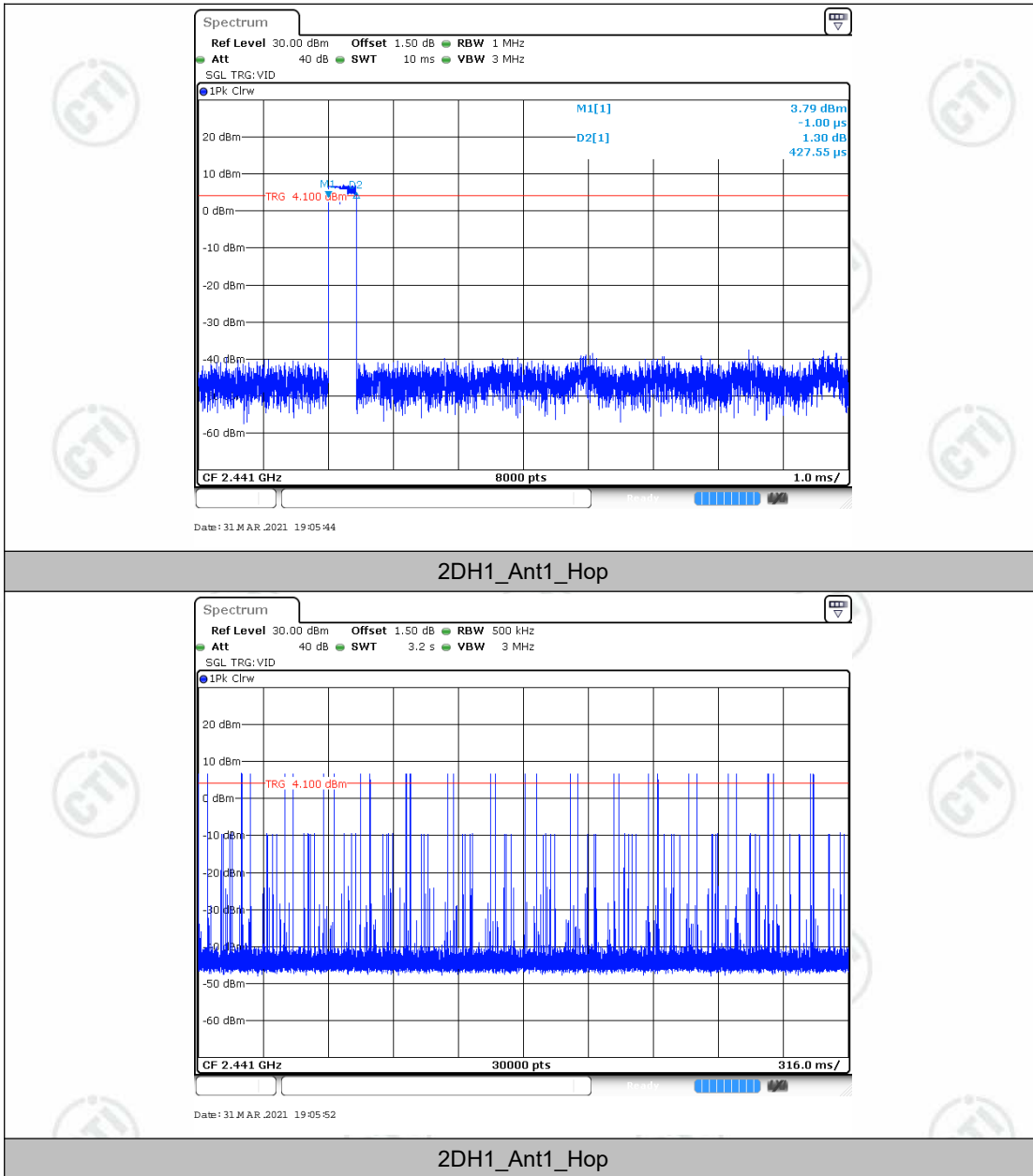


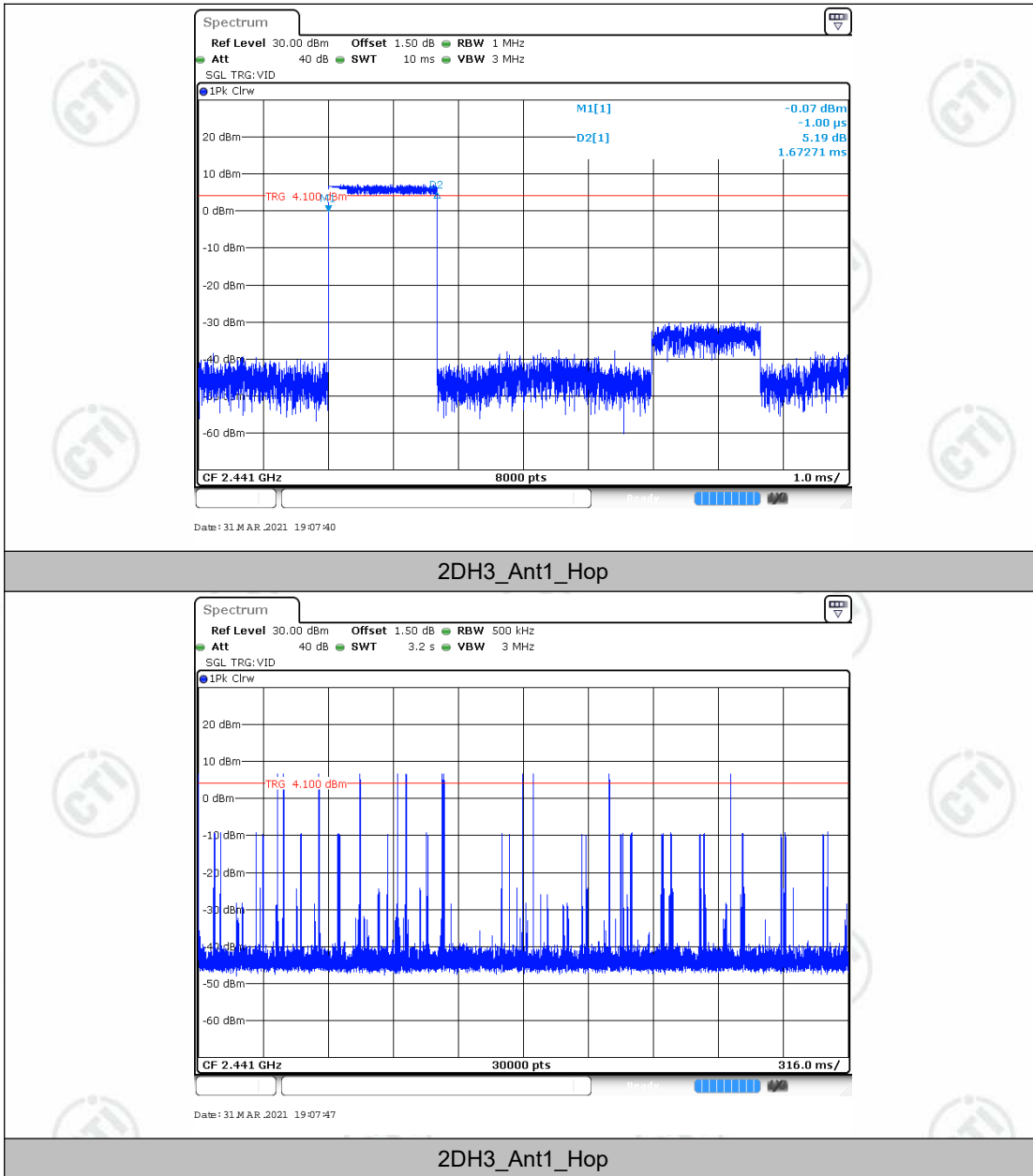
DH3\_Ant1\_Hop

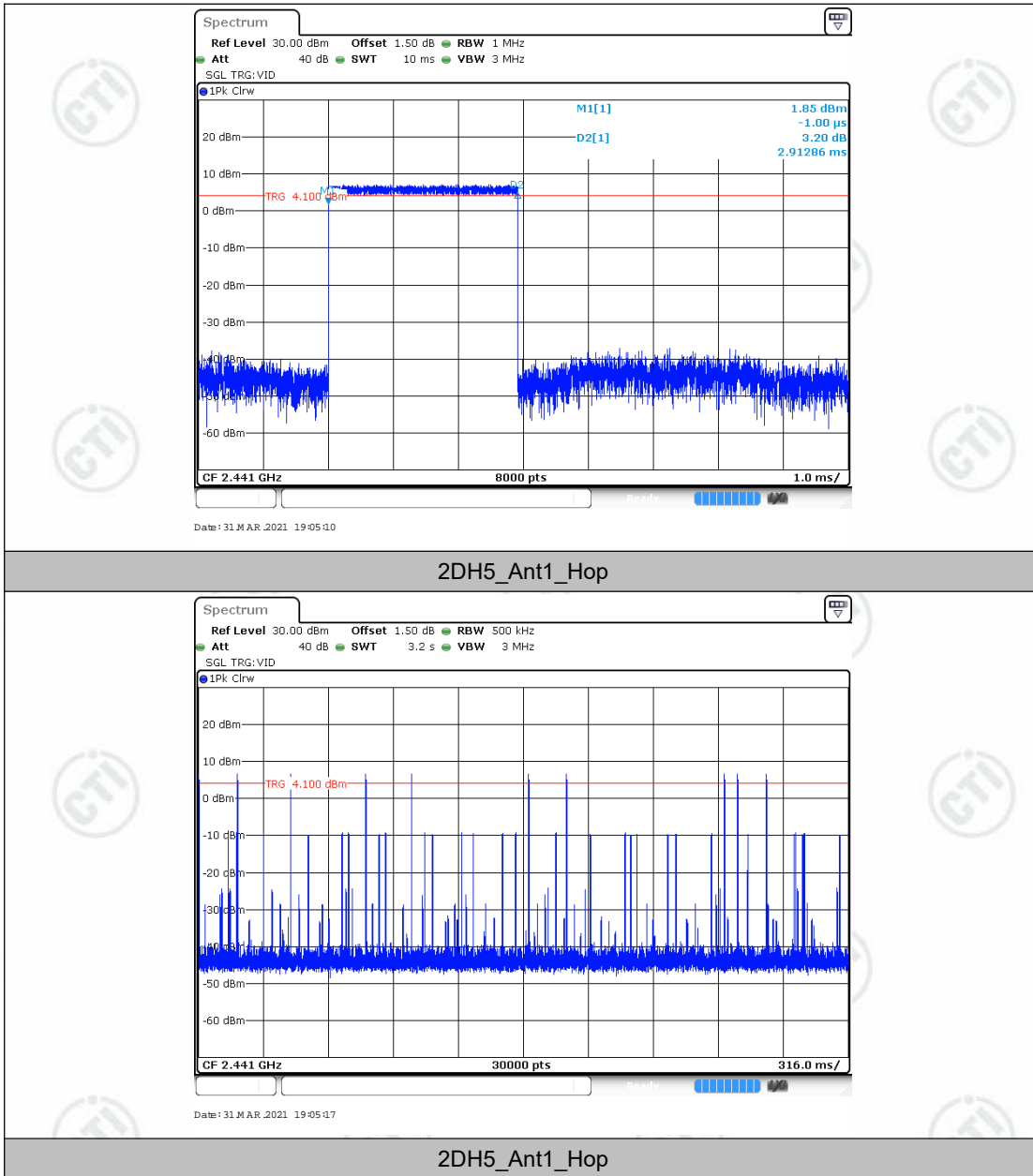


DH3\_Ant1\_Hop









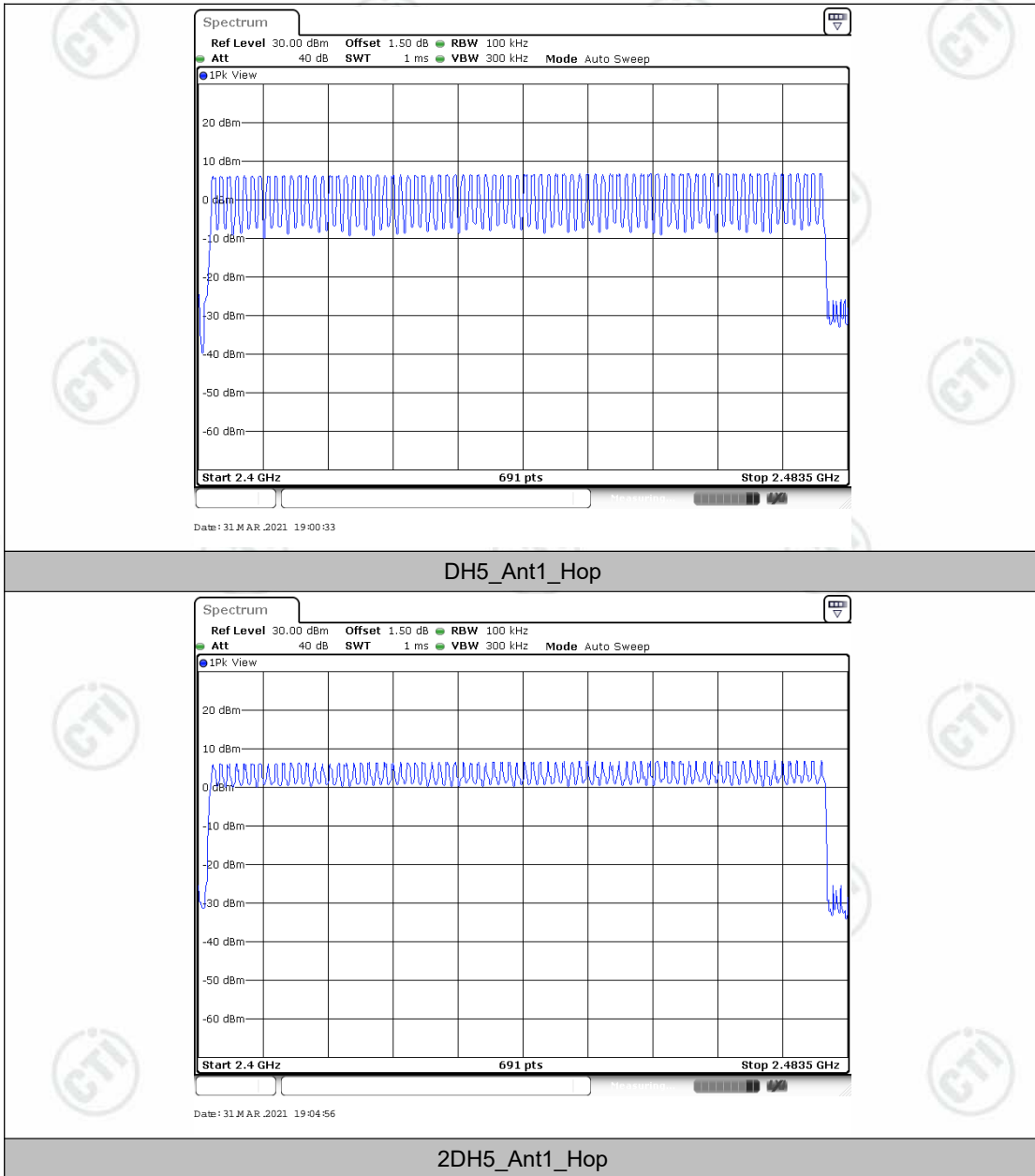
## Appendix F: Number of hopping channels

### Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	$\geq 15$	PASS
2DH5	Ant1	Hop	79	$\geq 15$	PASS



### Test Graphs

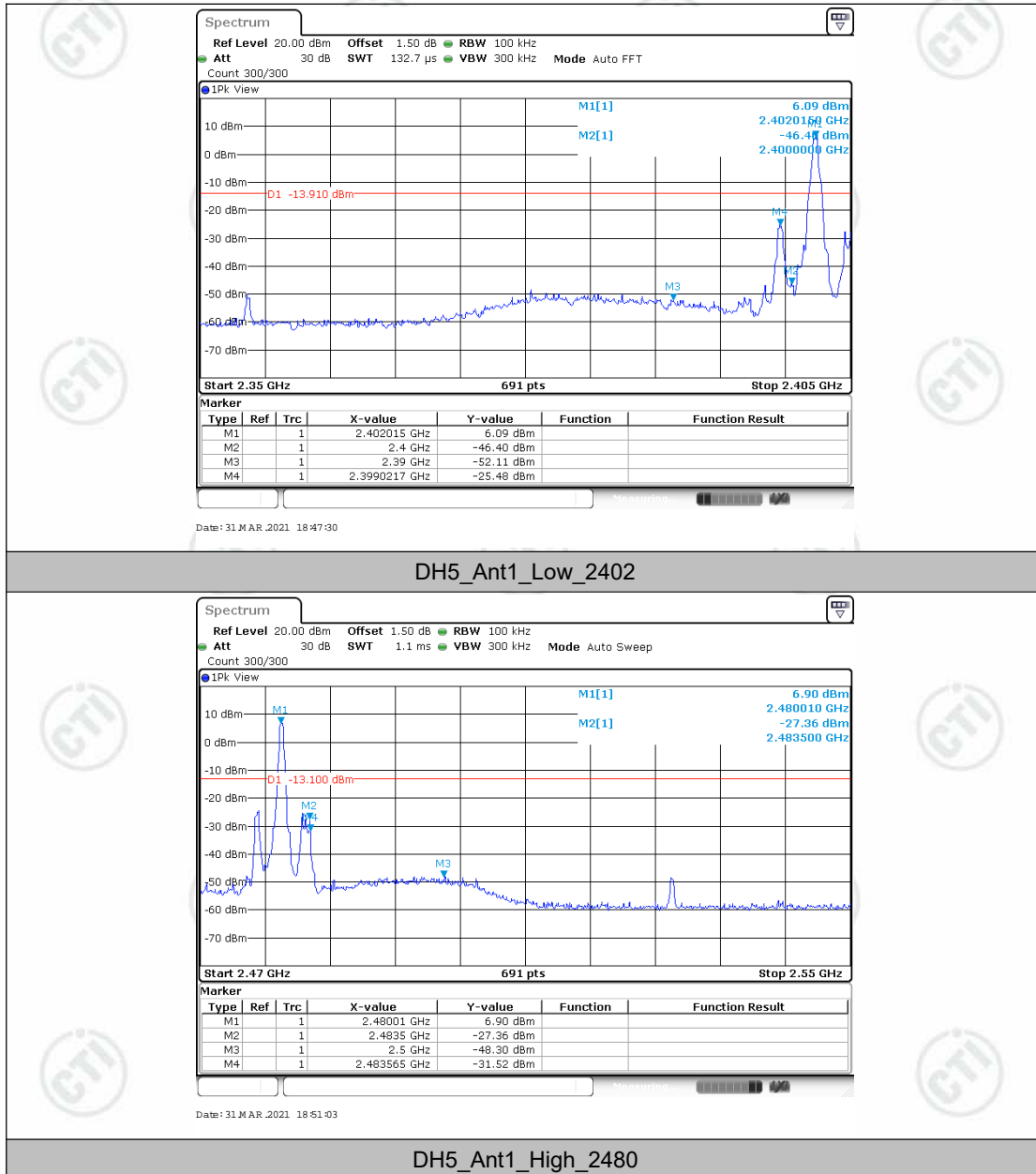


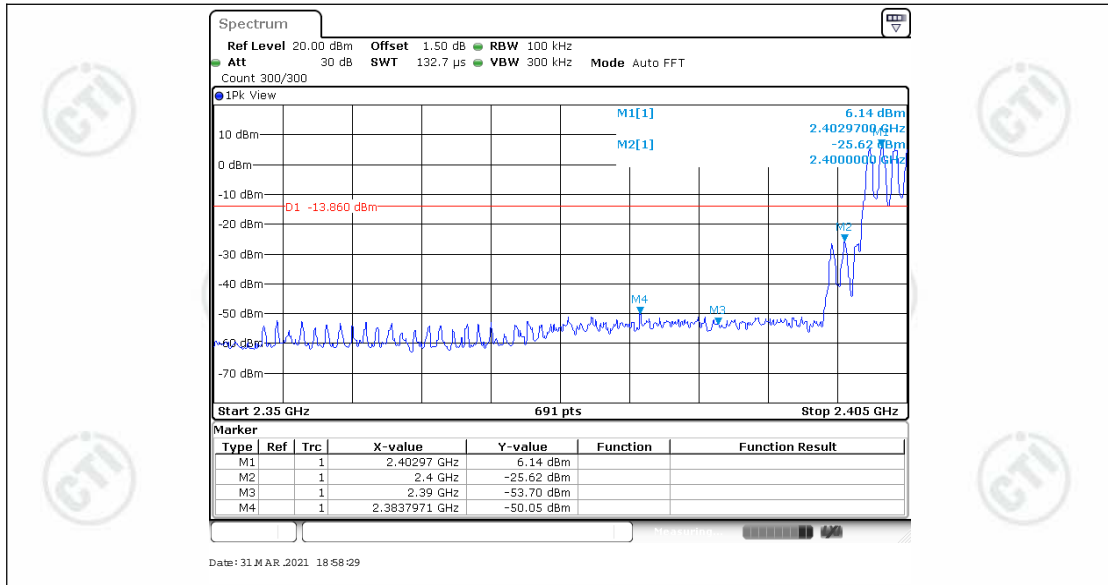
## Appendix G: Band edge measurements

### Test Result

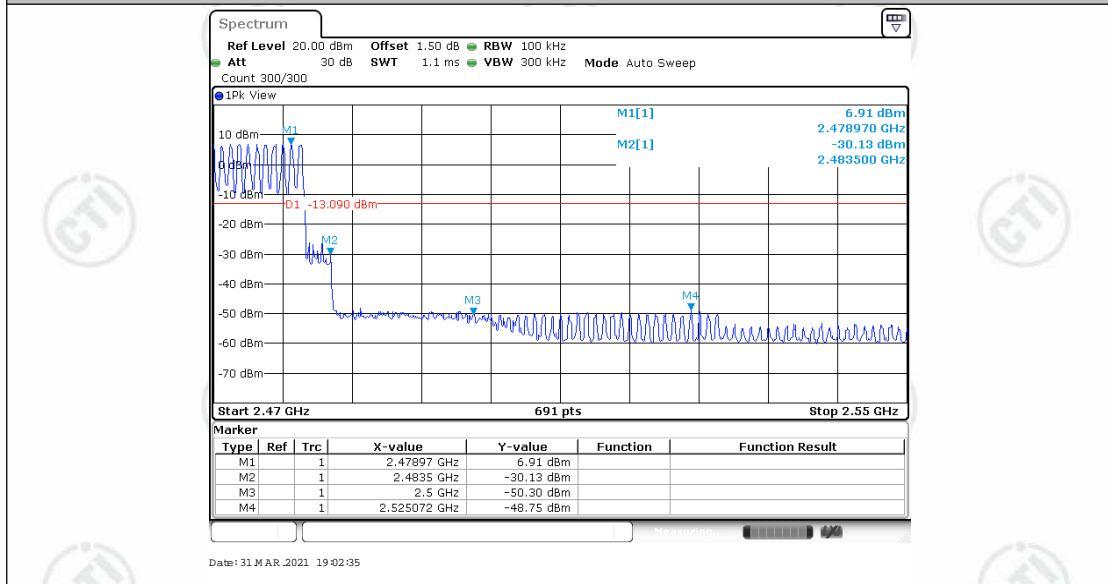
Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	6.09	-25.48	<=-13.91	PASS
		High	2480	6.90	-31.52	<=-13.1	PASS
		Low	Hop_2402	6.14	-50.05	<=-13.86	PASS
		High	Hop_2480	6.91	-48.75	<=-13.09	PASS
2DH5	Ant1	Low	2402	6.13	-24.77	<=-13.87	PASS
		High	2480	6.92	-31.78	<=-13.08	PASS
		Low	Hop_2402	6.16	-50.46	<=-13.84	PASS
		High	Hop_2480	6.86	-49.24	<=-13.14	PASS

**Test Graphs**

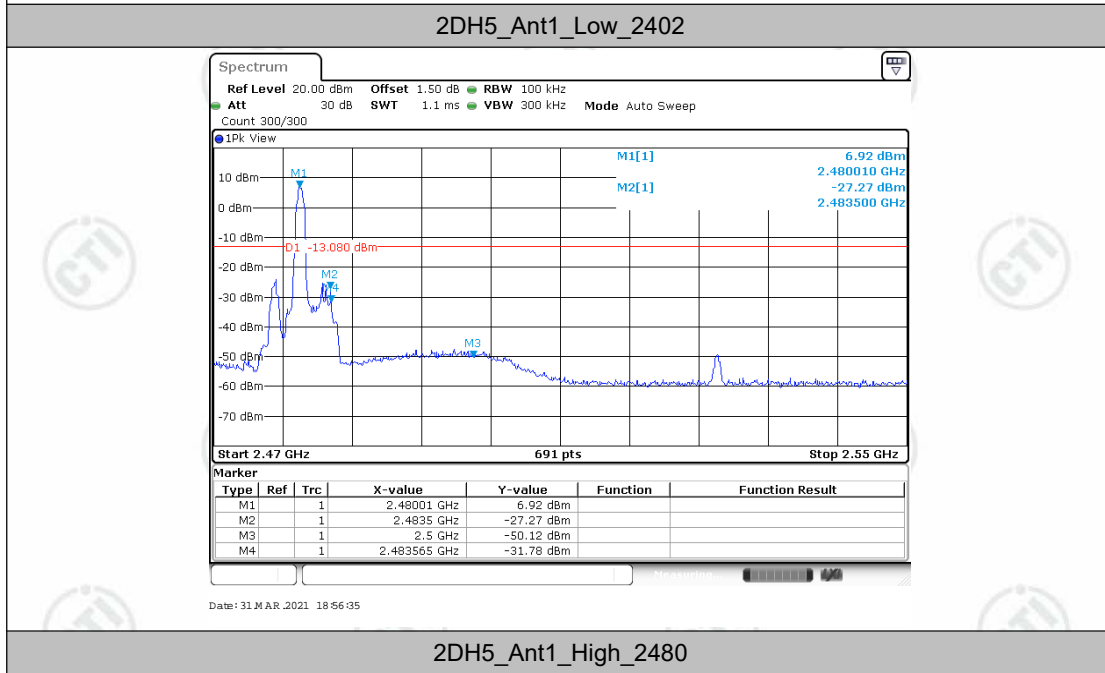
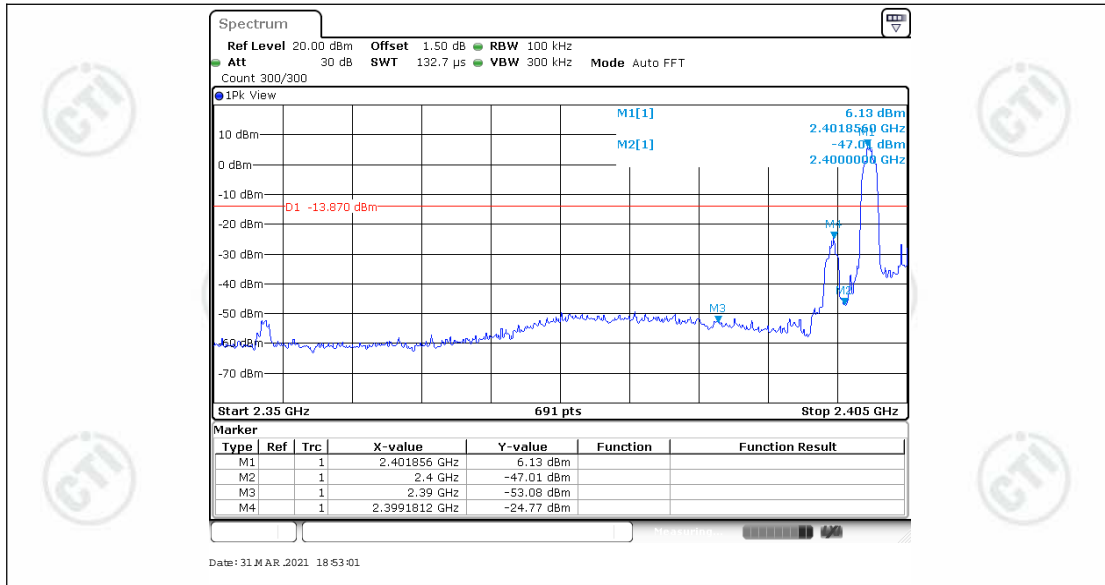


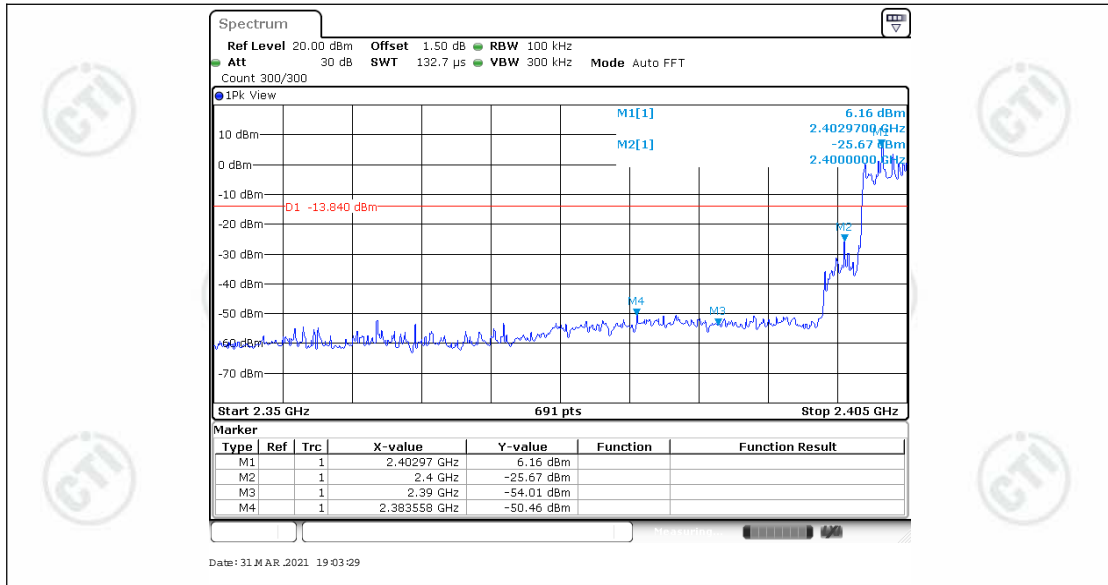


DH5\_Ant1\_Low\_Hop\_2402

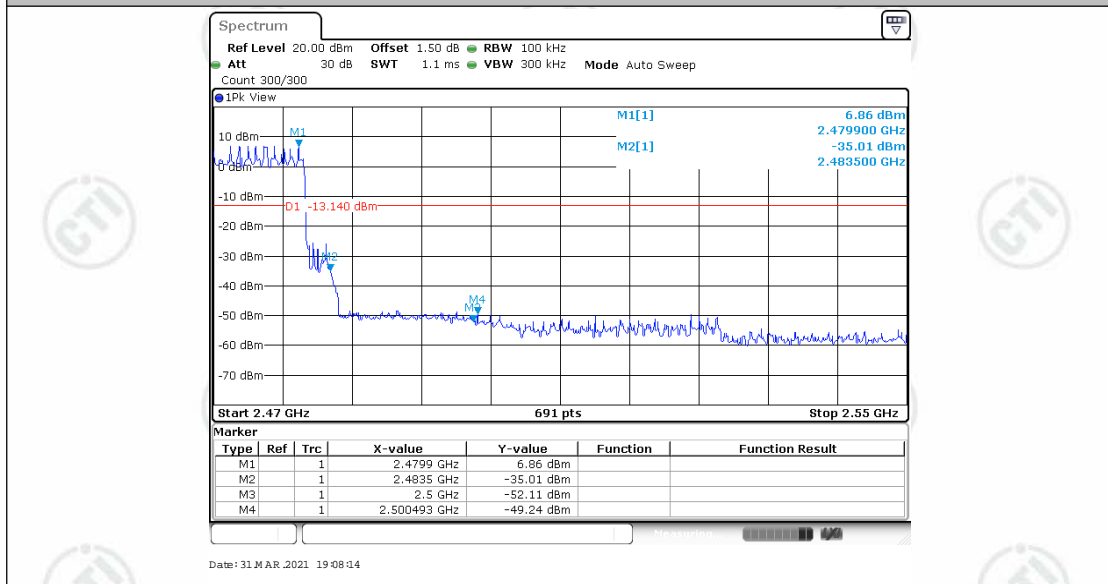


DH5\_Ant1\_High\_Hop\_2480





2DH5\_Ant1\_Low\_Hop\_2402



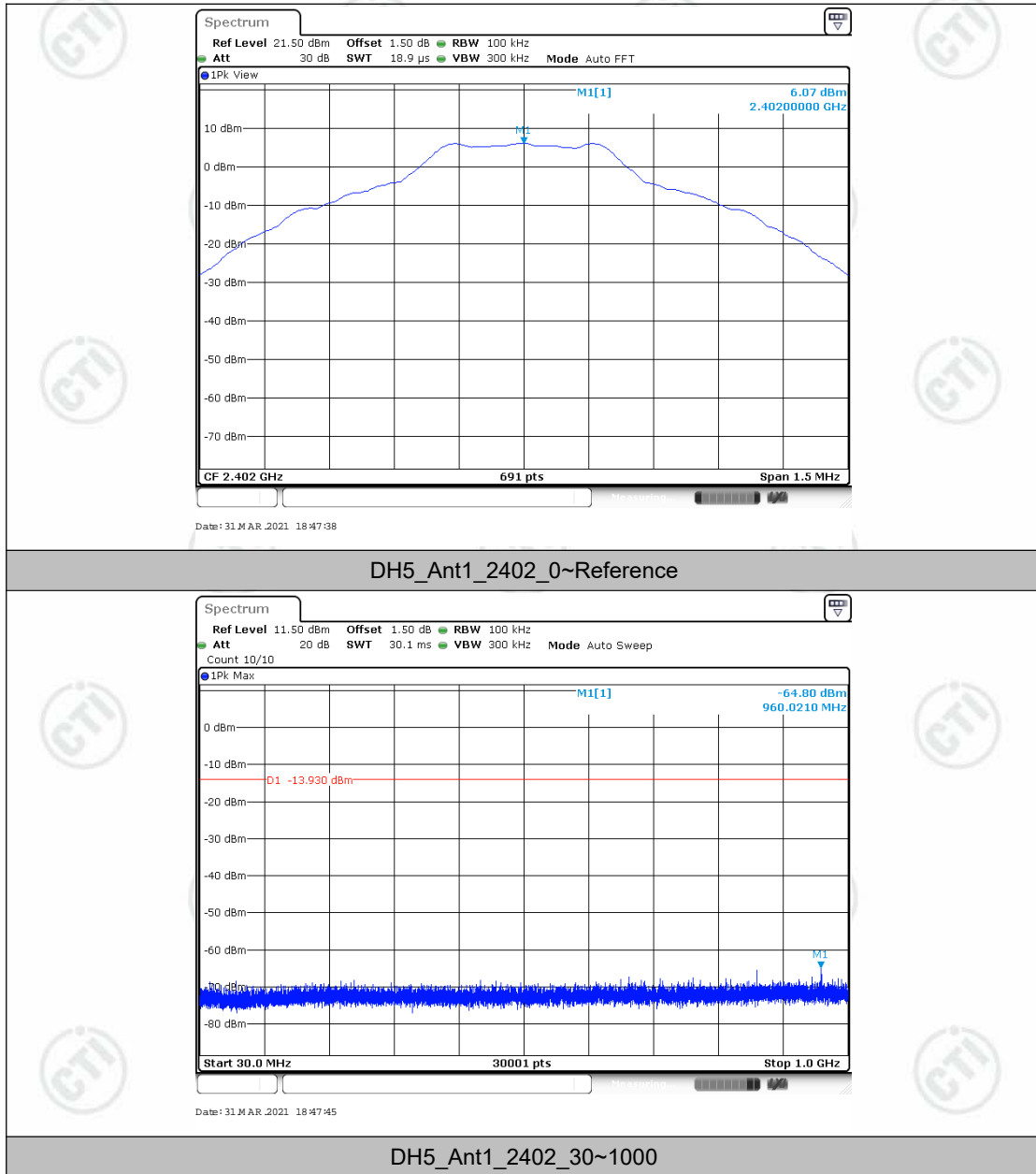
2DH5\_Ant1\_High\_Hop\_2480

## Appendix H: Conducted Spurious Emission

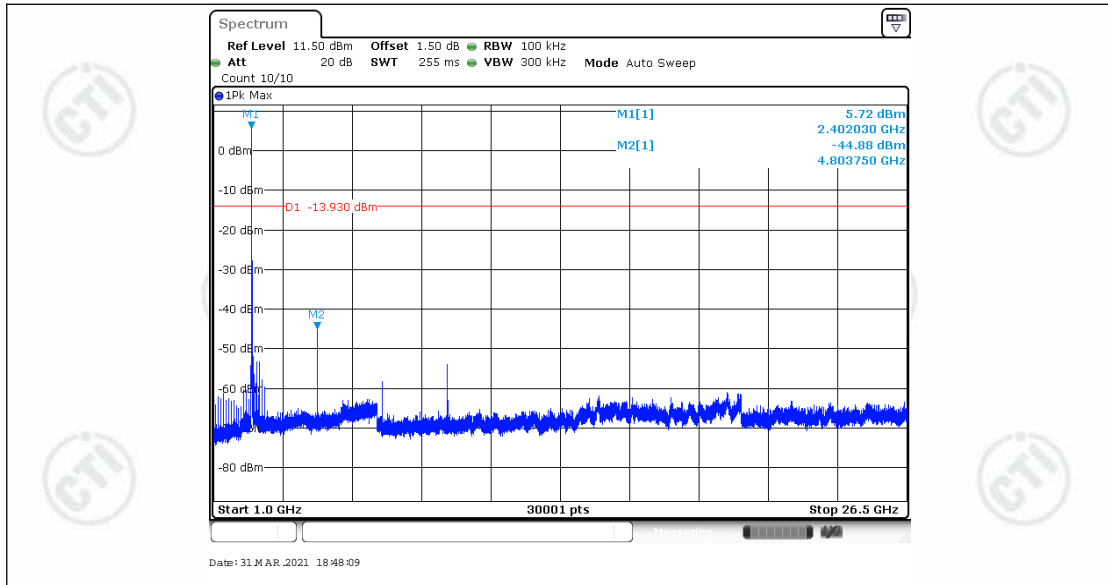
### Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	Reference	6.07	6.07	---	PASS
			30~1000	6.07	-64.8	<=-13.93	PASS
			1000~26500	6.07	-44.88	<=-13.93	PASS
		2441	Reference	6.48	6.48	---	PASS
			30~1000	6.48	-64.97	<=-13.52	PASS
			1000~26500	6.48	-40.7	<=-13.52	PASS
		2480	Reference	6.90	6.90	---	PASS
			30~1000	6.90	-64.91	<=-13.1	PASS
			1000~26500	6.90	-43.22	<=-13.1	PASS
2DH5	Ant1	2402	Reference	6.09	6.09	---	PASS
			30~1000	6.09	-62.12	<=-13.91	PASS
			1000~26500	6.09	-43.56	<=-13.91	PASS
		2441	Reference	6.52	6.52	---	PASS
			30~1000	6.52	-58.94	<=-13.48	PASS
			1000~26500	6.52	-45.74	<=-13.48	PASS
		2480	Reference	6.95	6.95	---	PASS
			30~1000	6.95	-63.21	<=-13.05	PASS
			1000~26500	6.95	-47.2	<=-13.05	PASS

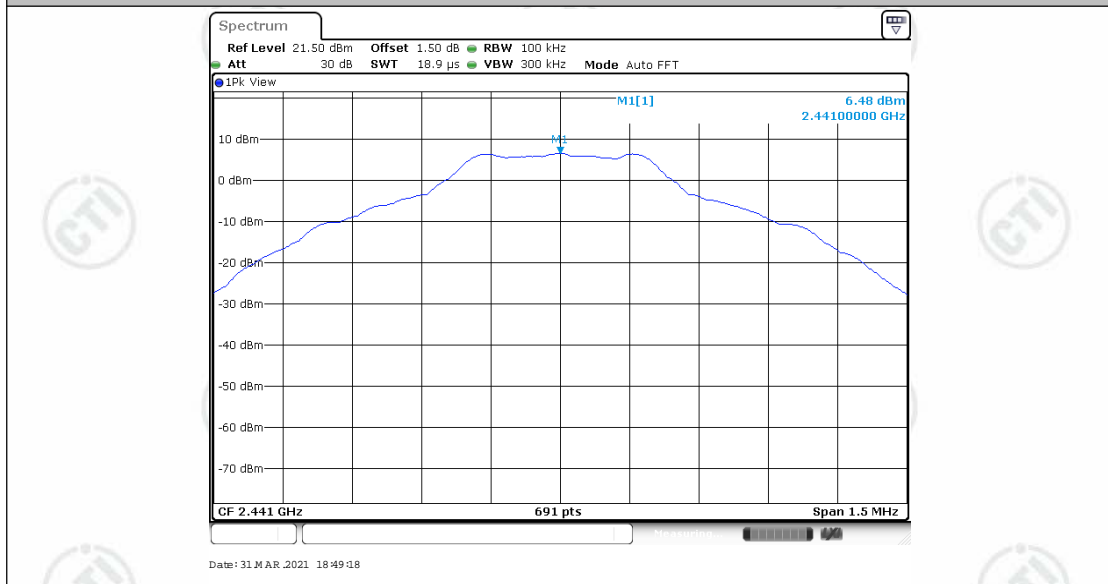
**Test Graphs**



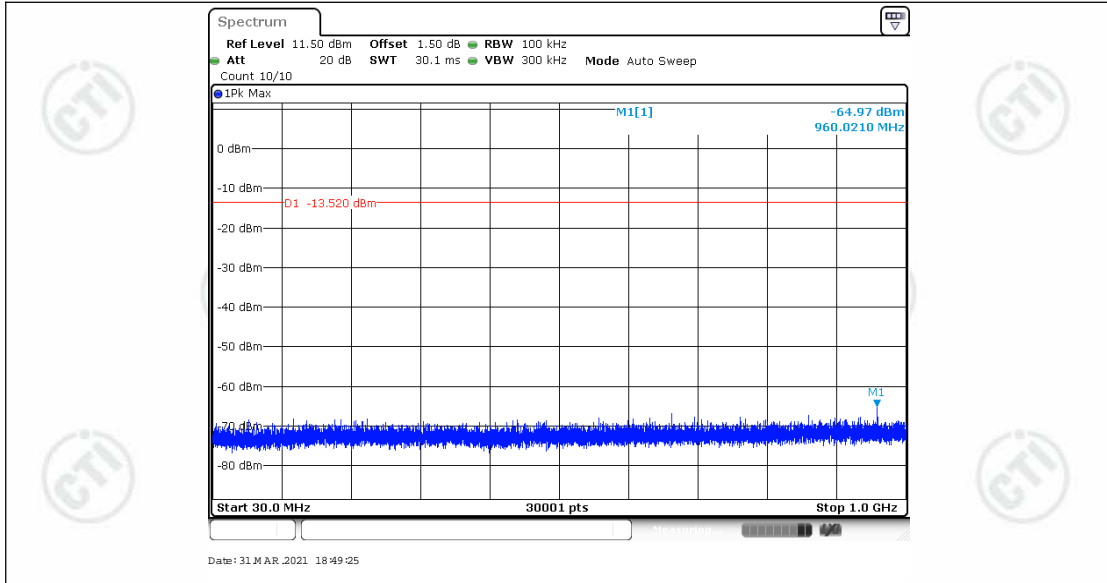




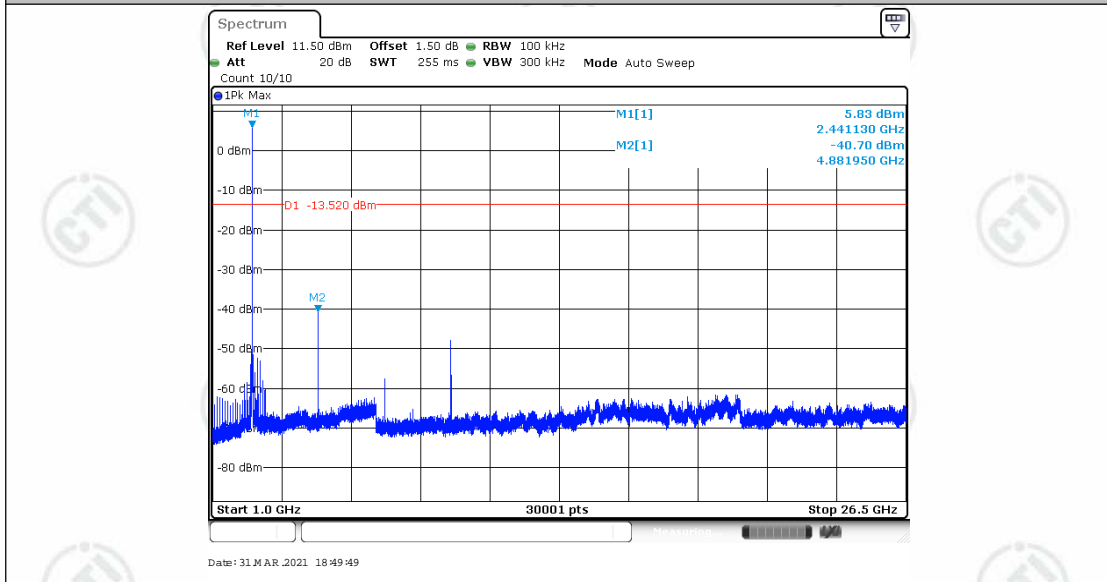
DH5\_Ant1\_2402\_1000~26500



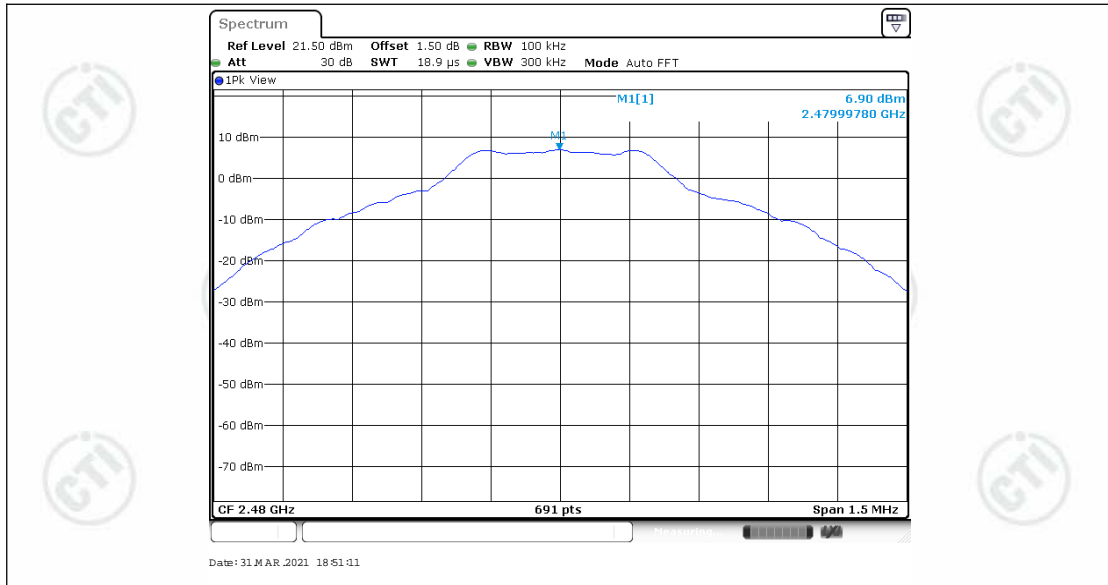
DH5\_Ant1\_2441\_0~Reference



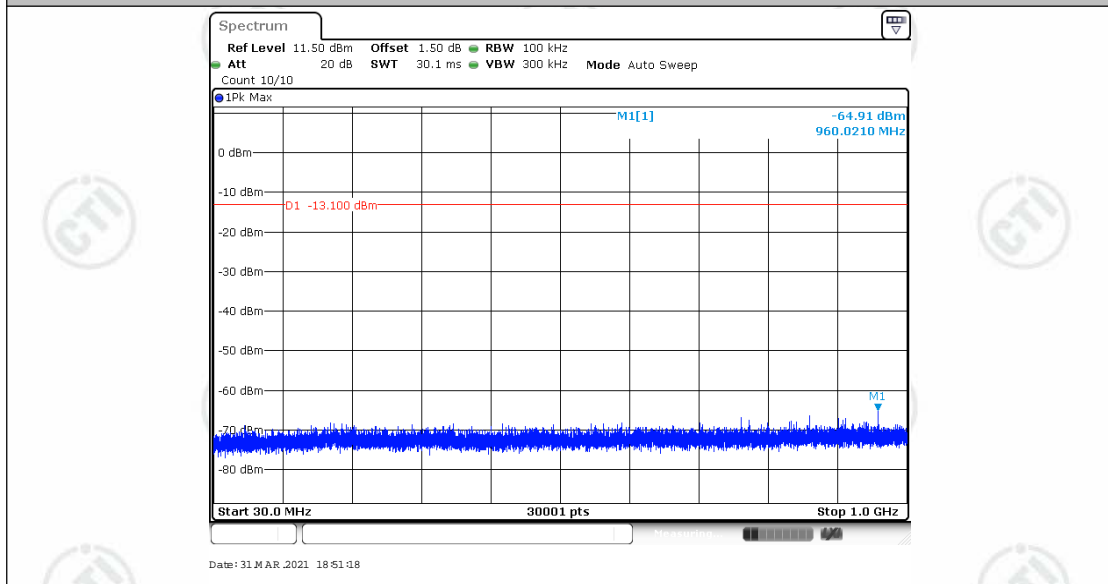
DH5\_Ant1\_2441\_30~1000



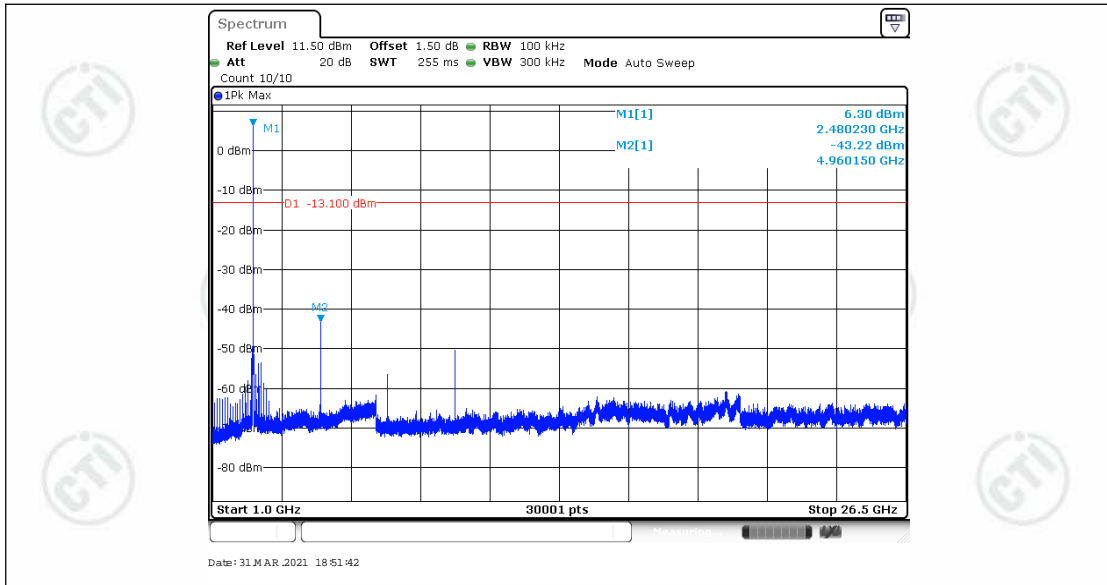
DH5\_Ant1\_2441\_1000~26500



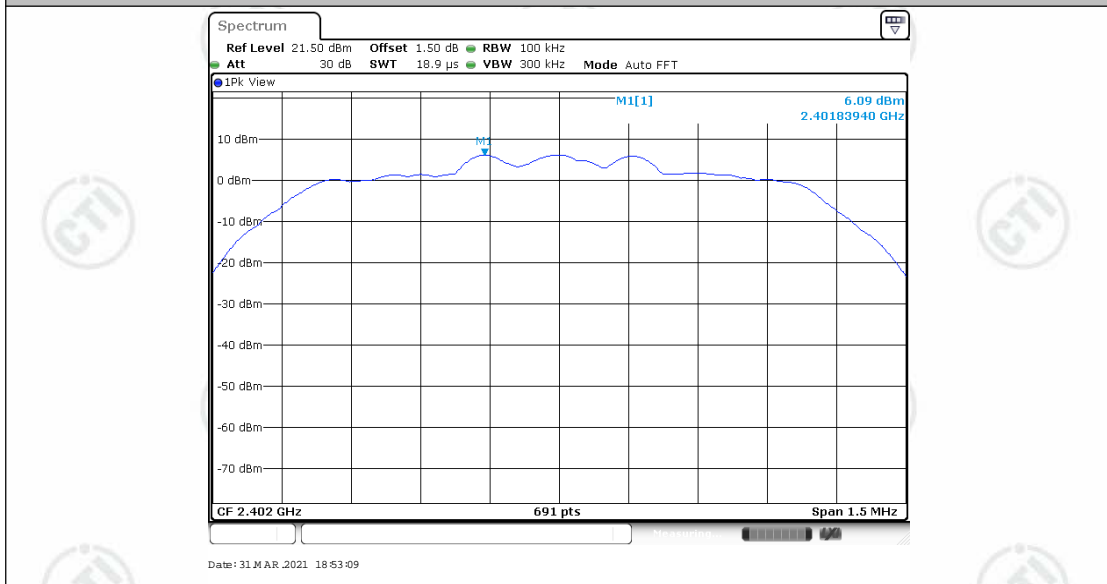
DH5\_Ant1\_2480\_0~Reference



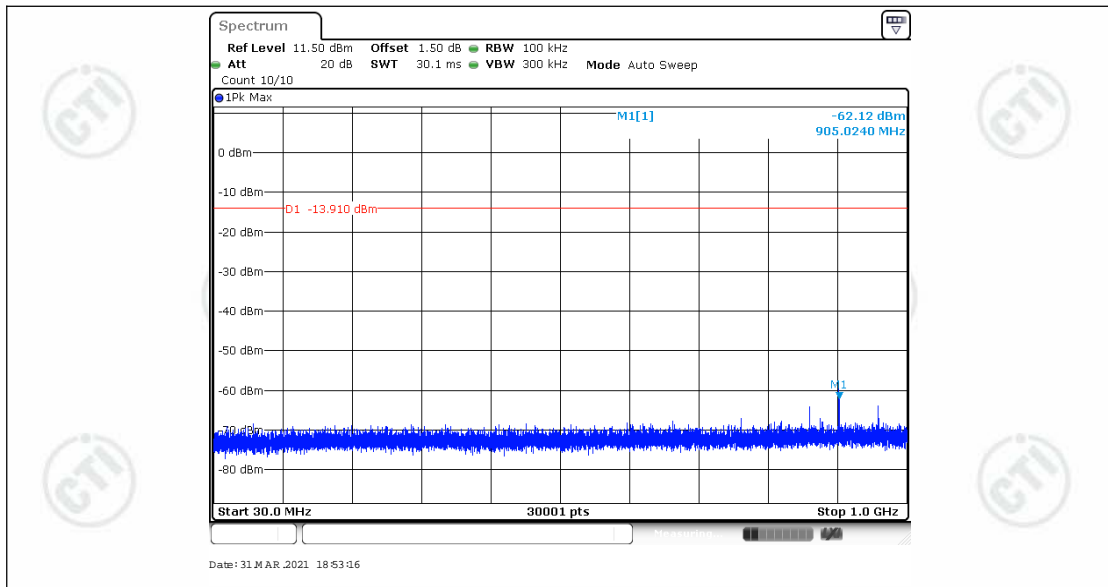
DH5\_Ant1\_2480\_30~1000



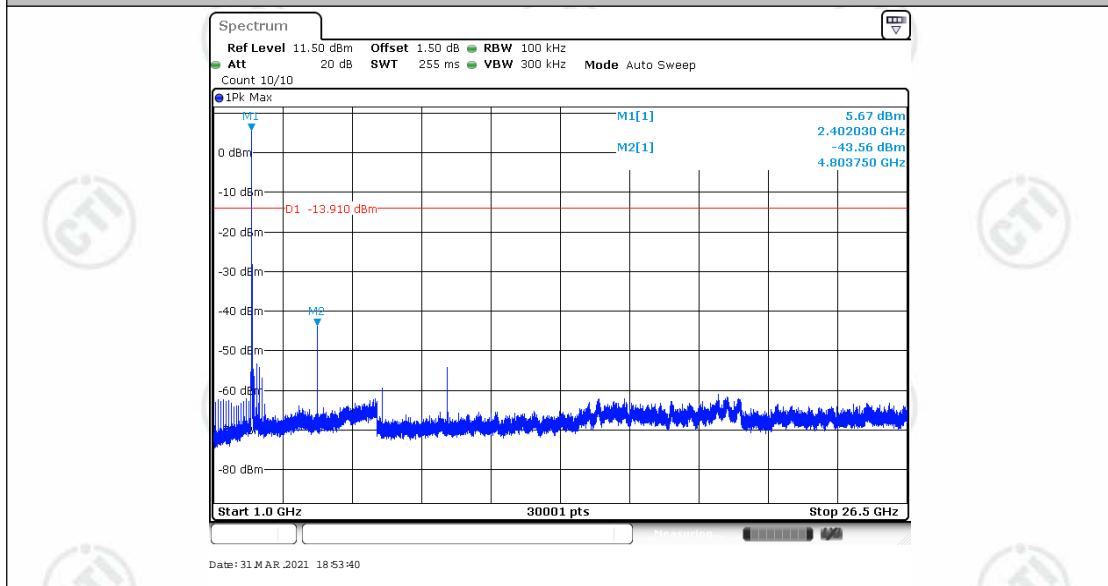
DH5\_Ant1\_2480\_1000~26500



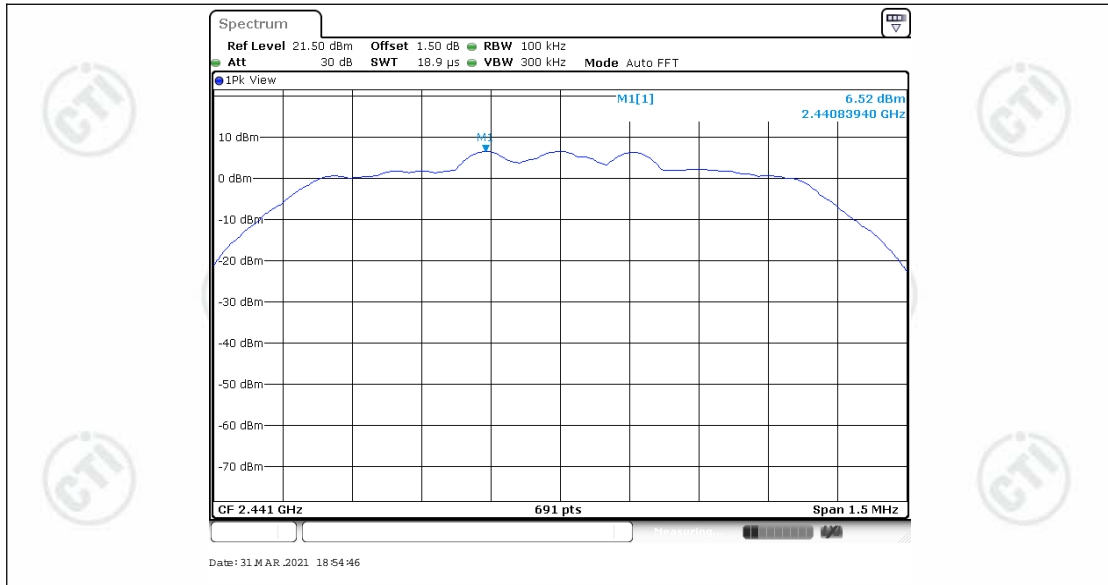
2DH5\_Ant1\_2402\_0~Reference



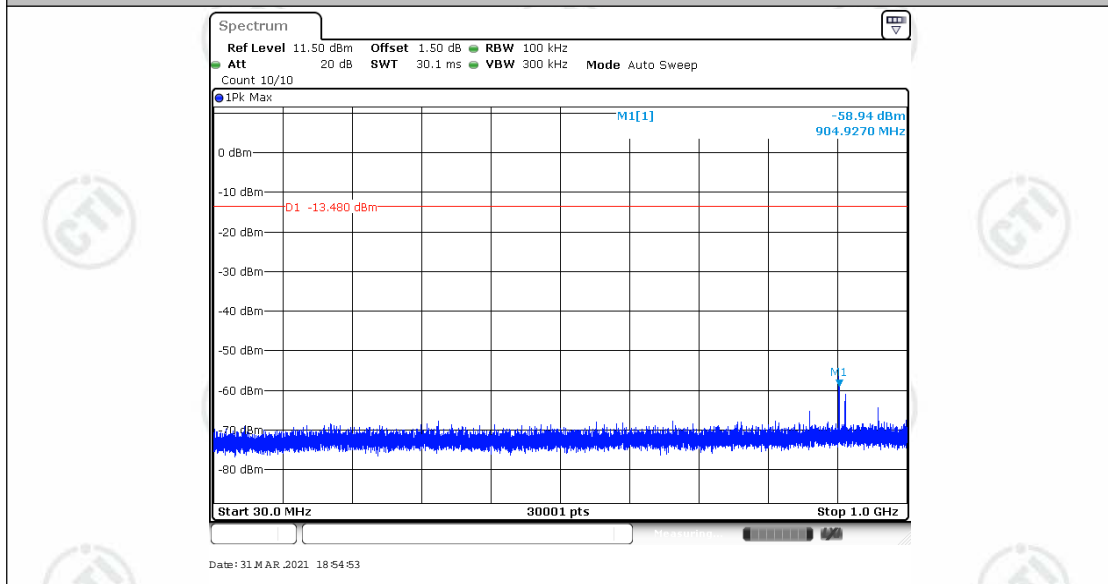
2DH5\_Ant1\_2402\_30~1000



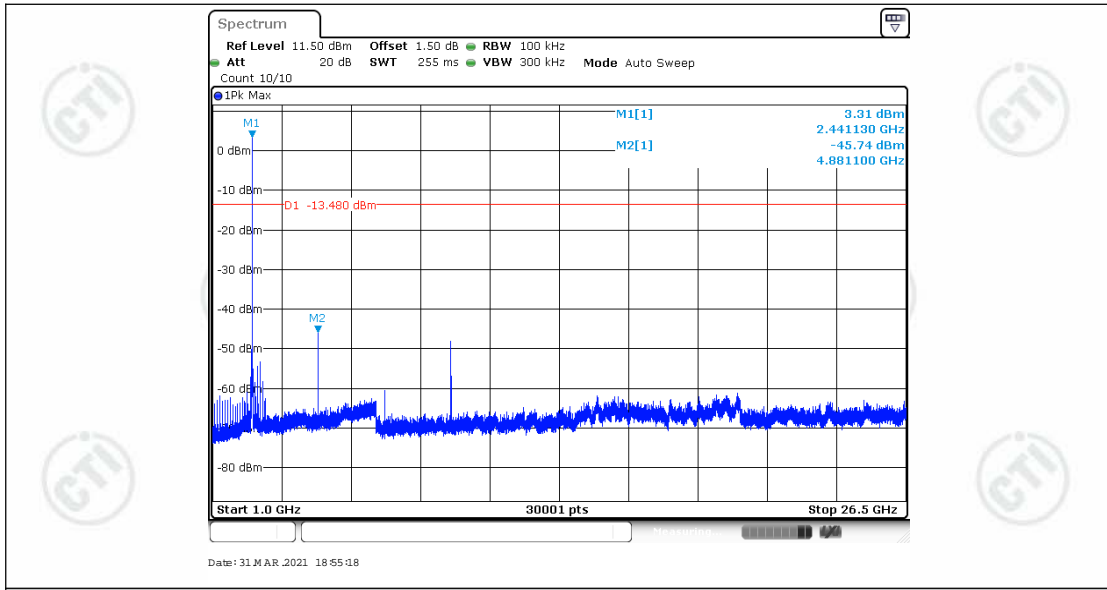
2DH5\_Ant1\_2402\_1000~26500



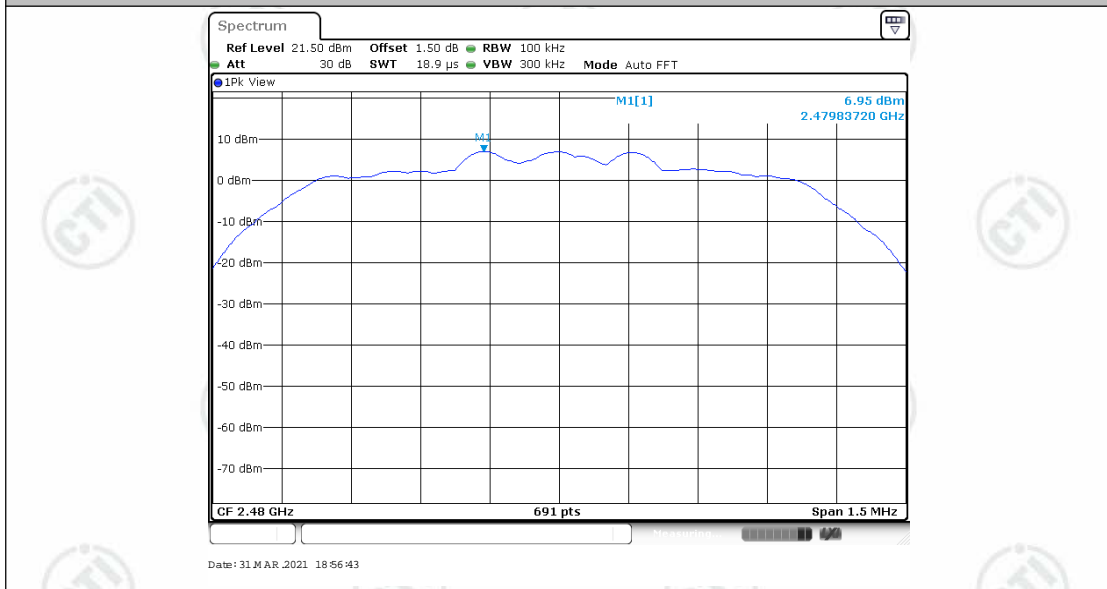
2DH5\_Ant1\_2441\_0~Reference



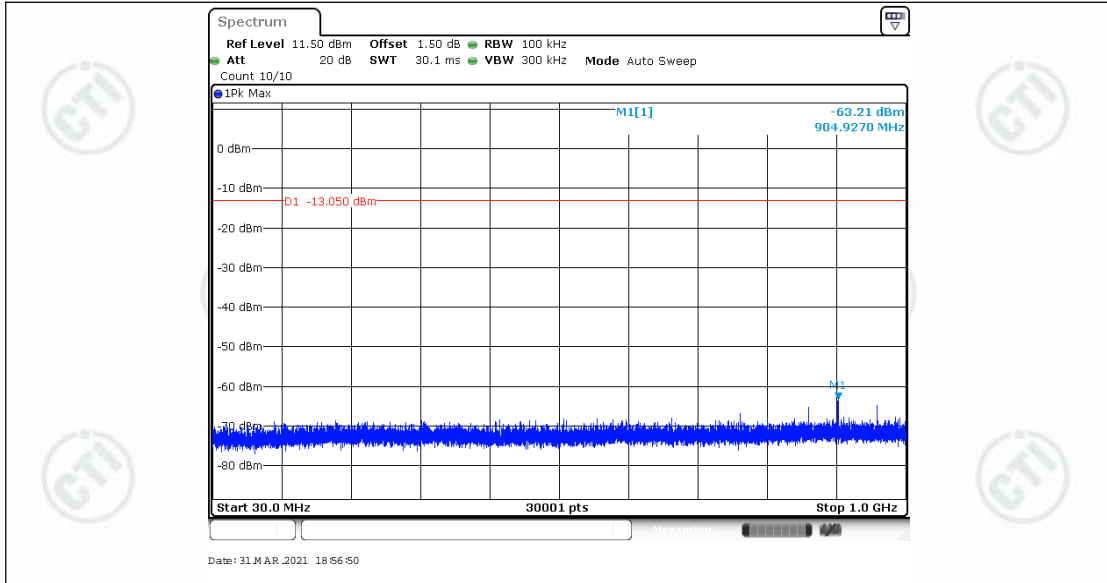
2DH5\_Ant1\_2441\_30~1000



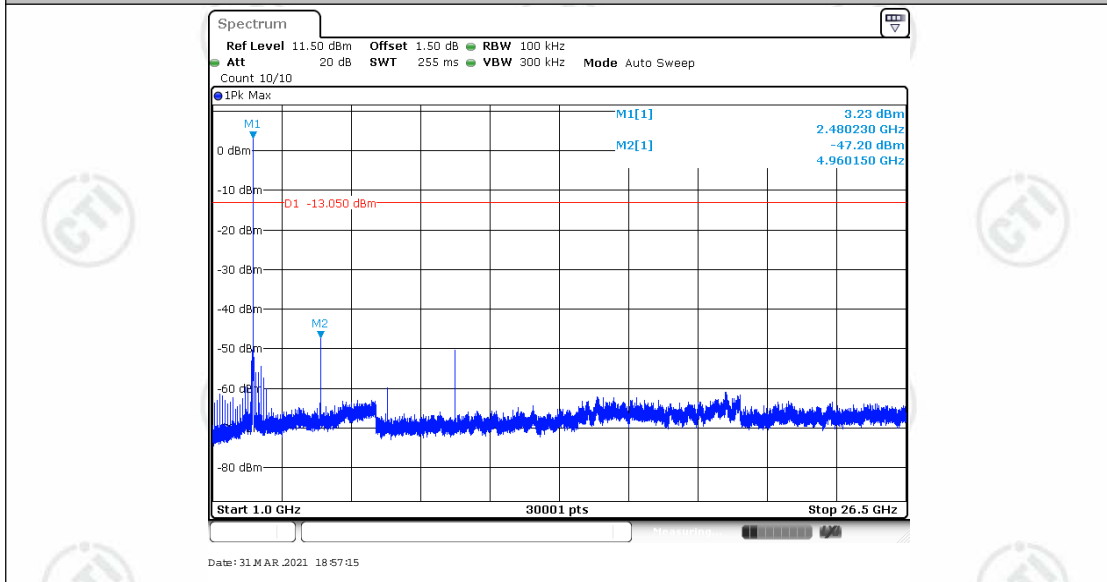
2DH5\_Ant1\_2441\_1000~26500



2DH5\_Ant1\_2480\_0~Reference



2DH5\_Ant1\_2480\_30~1000



2DH5\_Ant1\_2480\_1000~26500

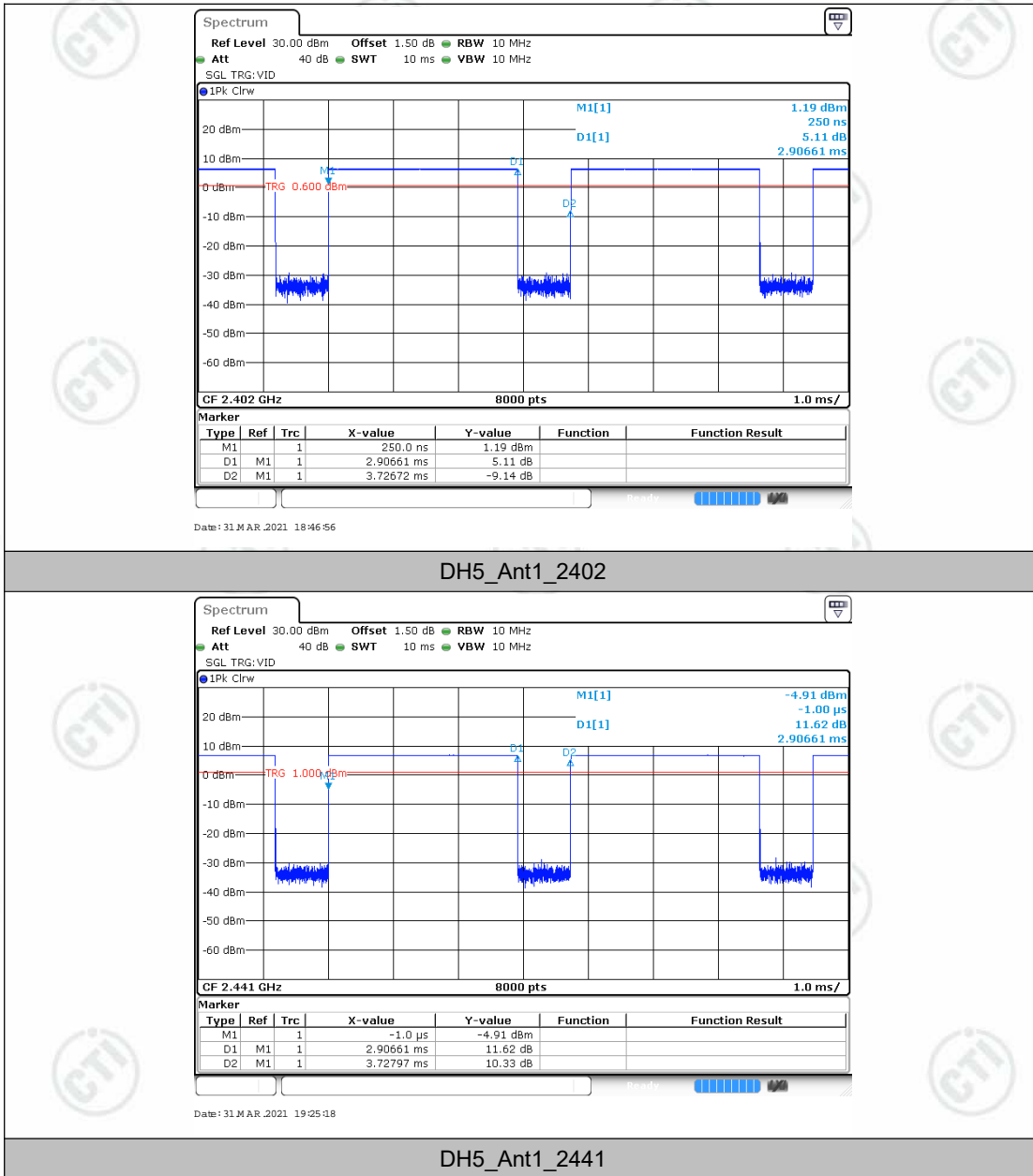


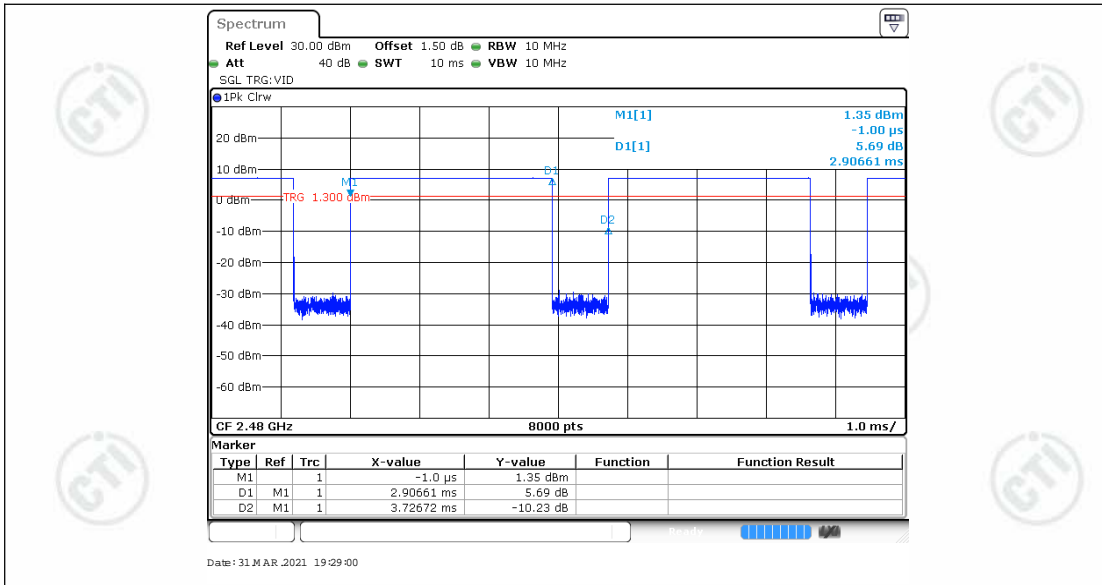
## Appendix I: Duty Cycle

### Test Result

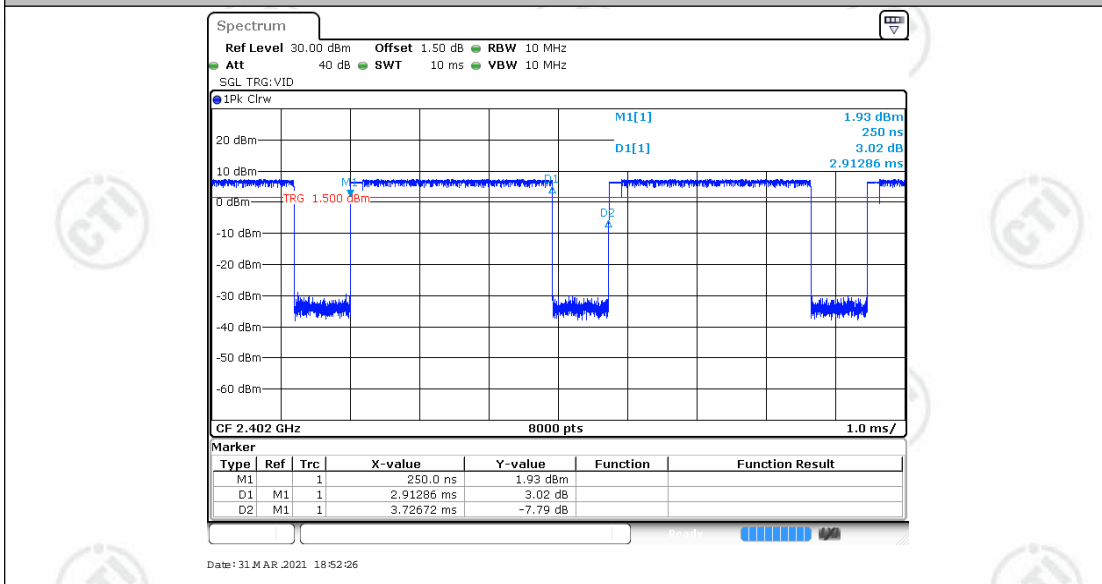
Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
DH5	Ant1	2402	2.91	3.73	78.02	---	PASS
		2441	2.91	3.73	78.02	---	PASS
		2480	2.91	3.73	78.02	---	PASS
2DH5	Ant1	2402	2.91	3.73	78.02	---	PASS
		2441	2.91	3.73	78.02	---	PASS
		2480	2.91	3.73	78.02	---	PASS

**Test Graphs**

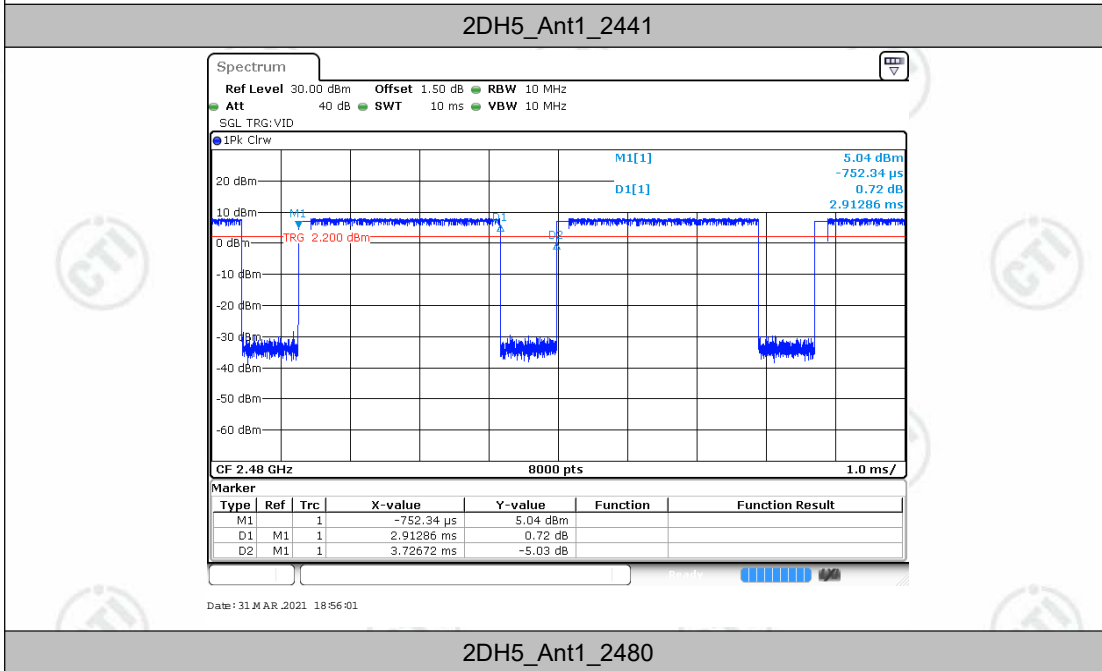
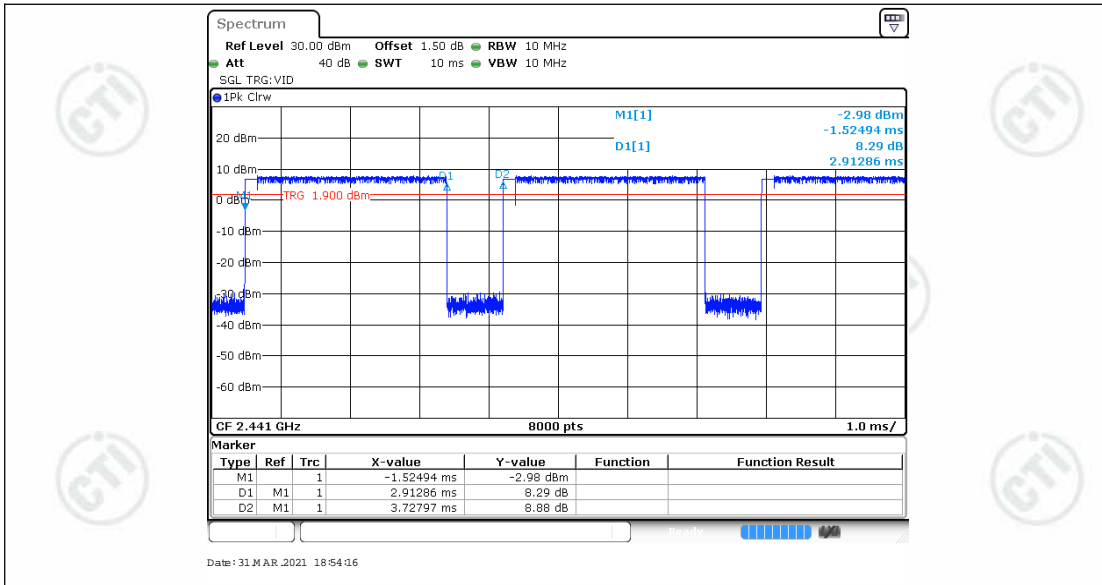




DH5\_Ant1\_2480



2DH5\_Ant1\_2402



\*\*\* End of Report \*\*\*