



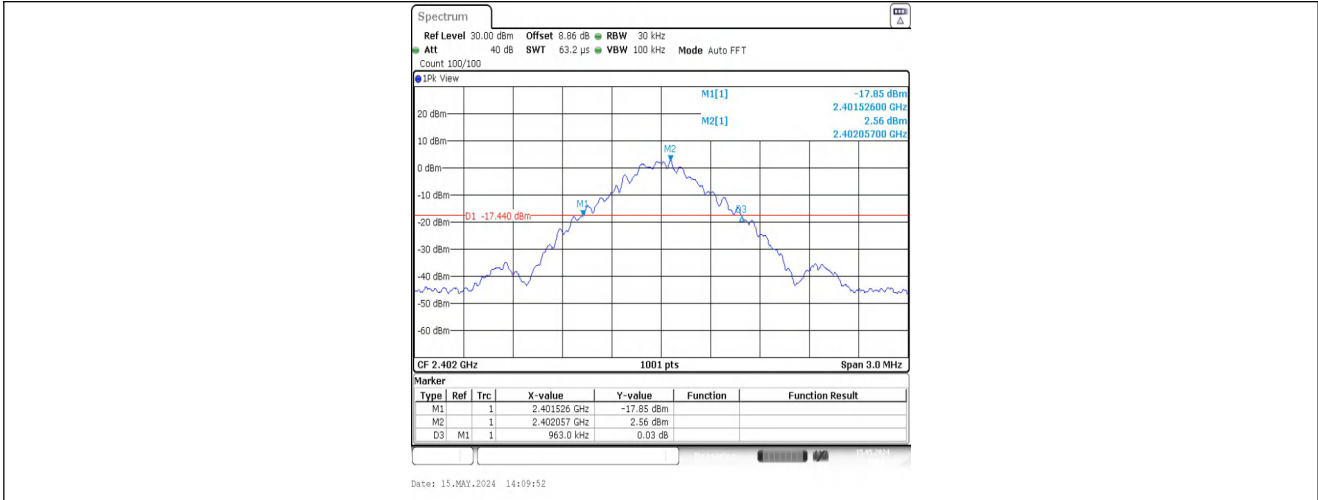
## Appendix A: 20dB Emission Bandwidth

### Test Result

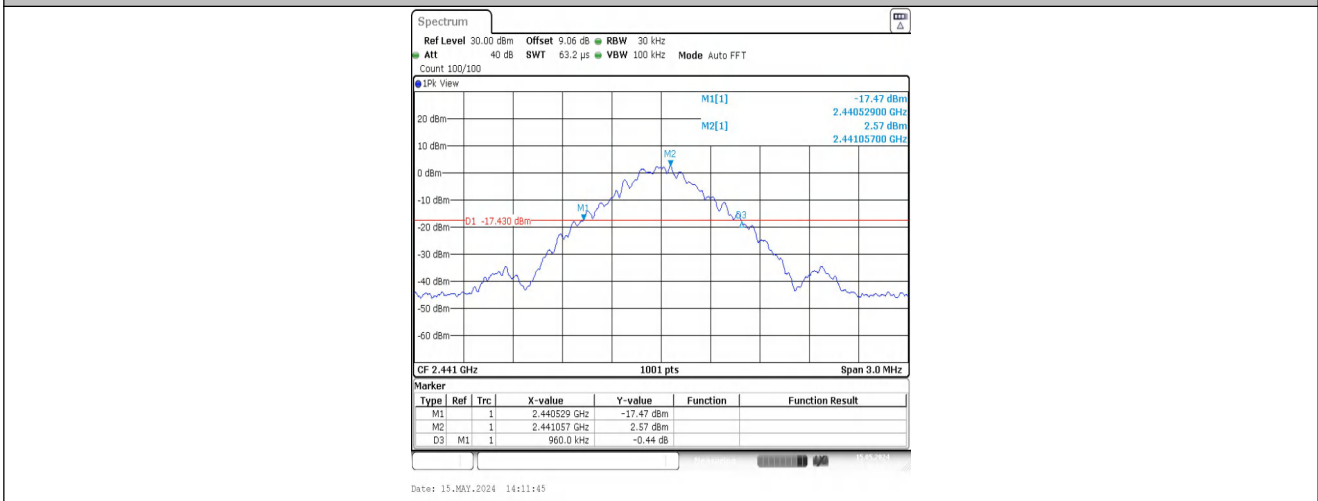
TestMode	Antenna	Frequency[MHz]	20db EBW[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.96	2401.53	2402.49	---	---
DH5	Ant1	2441	0.96	2440.53	2441.49	---	---
DH5	Ant1	2480	0.96	2479.53	2480.49	---	---
2DH5	Ant1	2402	1.37	2401.32	2402.68	---	---
2DH5	Ant1	2441	1.37	2440.32	2441.68	---	---
2DH5	Ant1	2480	1.37	2479.32	2480.68	---	---
3DH5	Ant1	2402	1.35	2401.32	2402.67	---	---
3DH5	Ant1	2441	1.35	2440.32	2441.67	---	---
3DH5	Ant1	2480	1.35	2479.32	2480.67	---	---



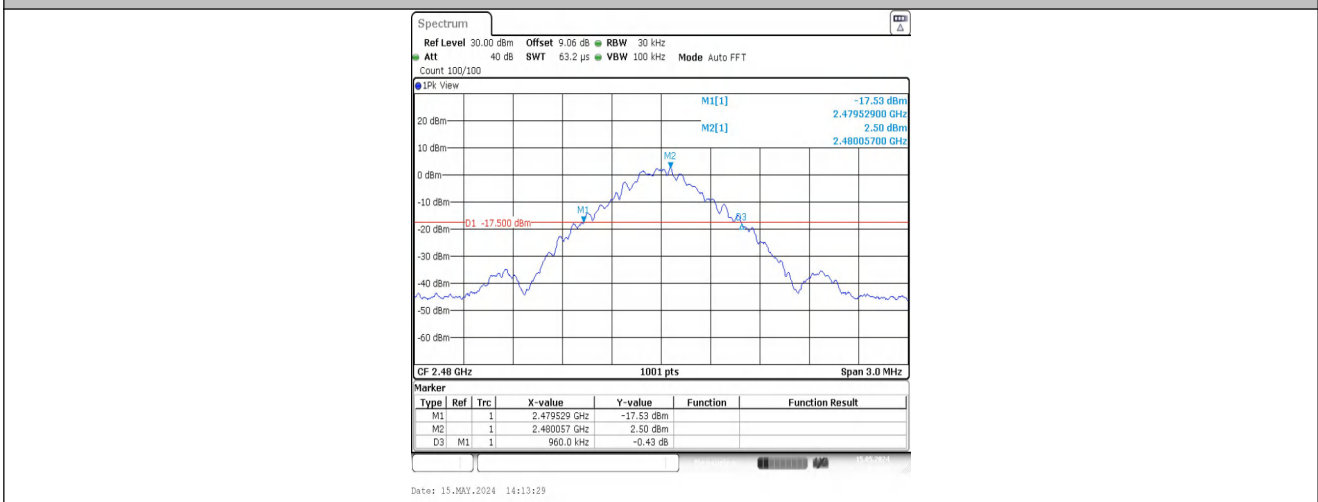
## Test Graphs



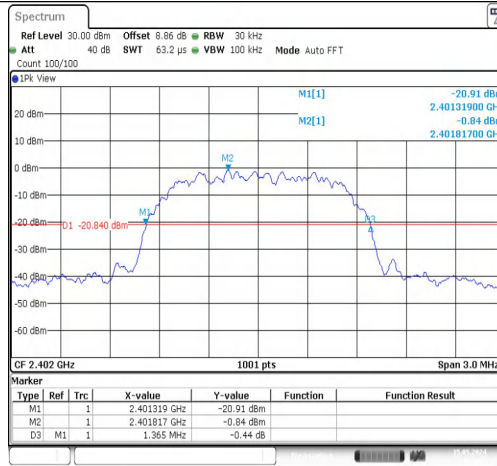
DH5-Ant1-2402



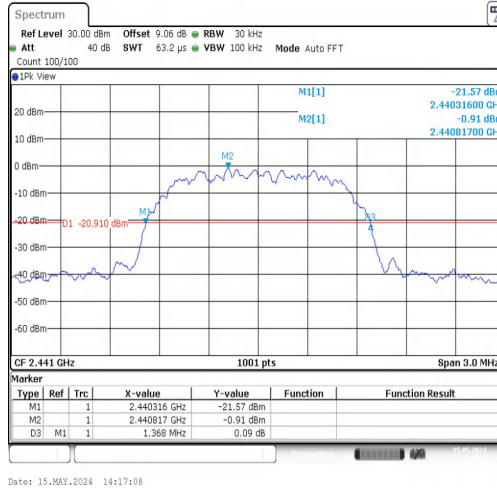
DH5-Ant1-2441



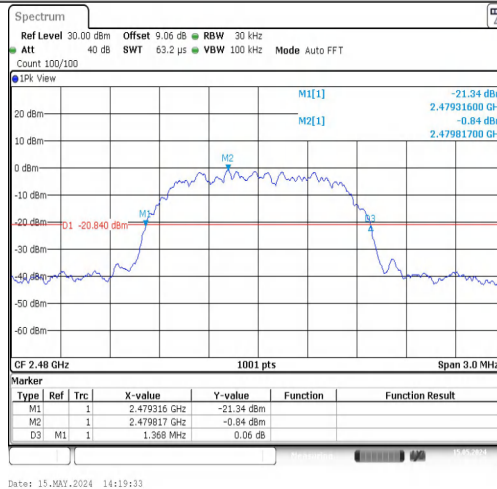
DH5-Ant1-2480



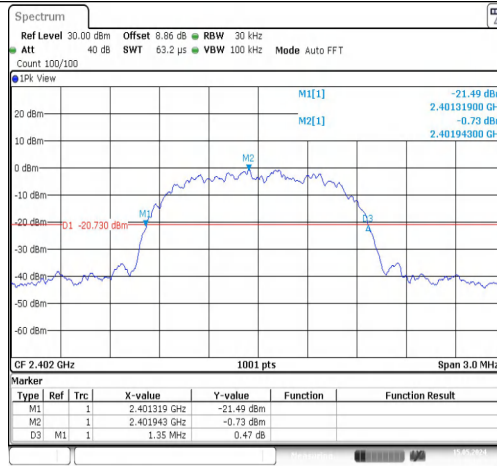
2DH5-Ant1-2402



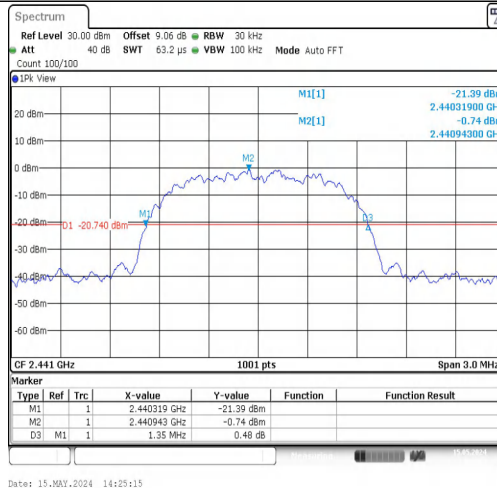
2DH5-Ant1-2441



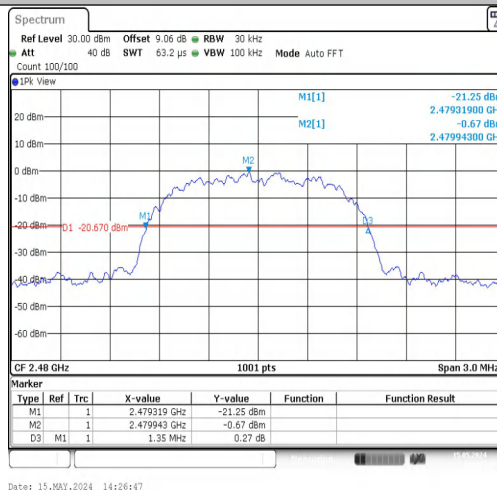
2DH5-Ant1-2480



3DH5-Ant1-2402



3DH5-Ant1-2441



3DH5-Ant1-2480



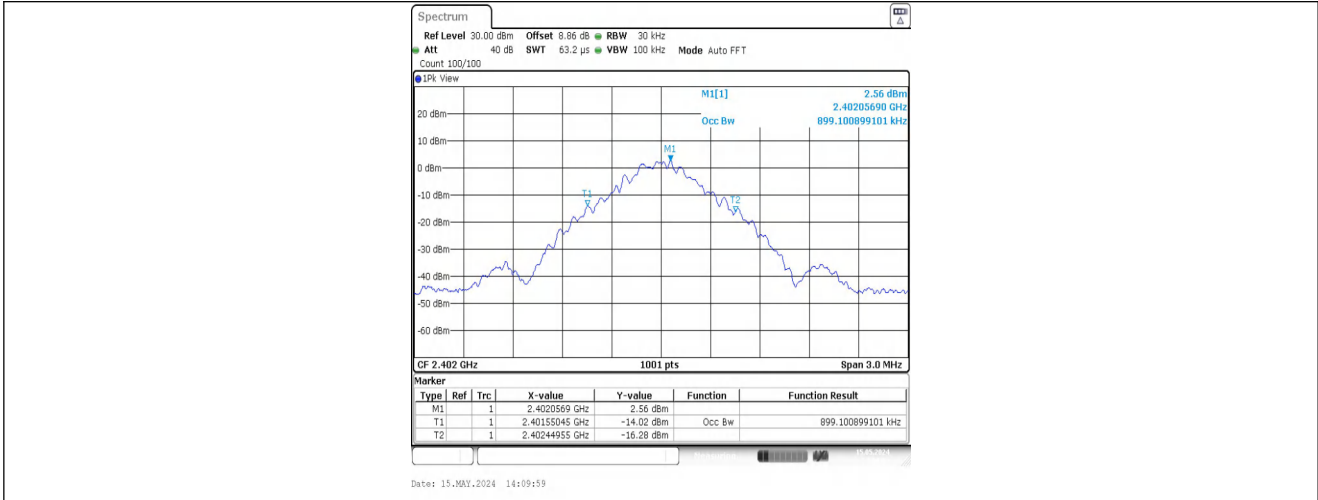
## Appendix B: Occupied Channel Bandwidth

### Test Result

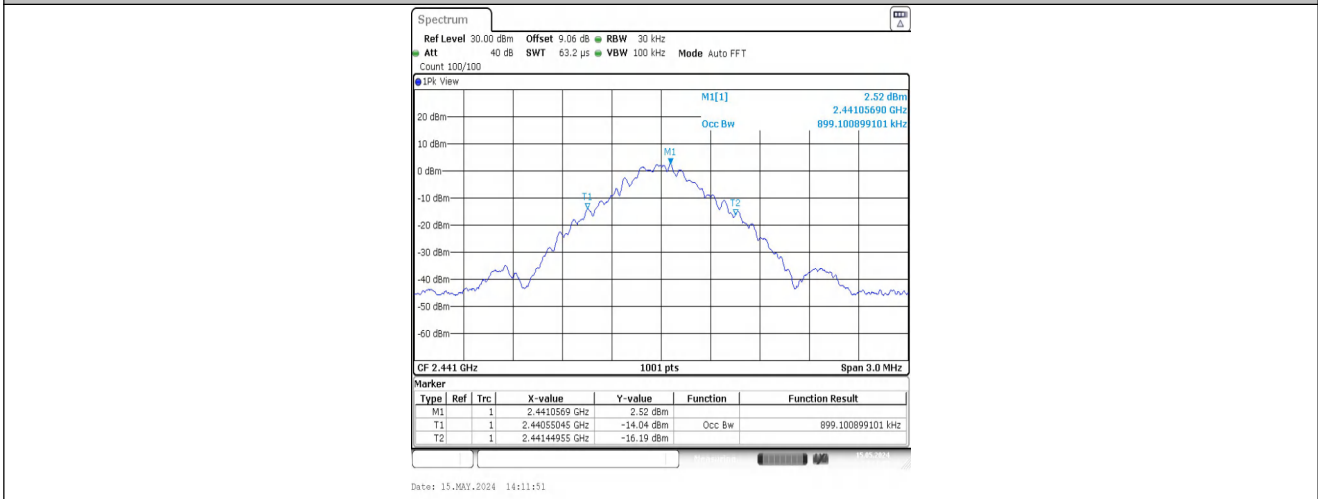
TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH5	Ant1	2402	0.899	2401.5504	2402.4496	---	---
DH5	Ant1	2441	0.899	2440.5504	2441.4496	---	---
DH5	Ant1	2480	0.899	2479.5504	2480.4496	---	---
2DH5	Ant1	2402	1.196	2401.4006	2402.5964	---	---
2DH5	Ant1	2441	1.196	2440.4006	2441.5964	---	---
2DH5	Ant1	2480	1.196	2479.4006	2480.5964	---	---
3DH5	Ant1	2402	1.202	2401.3946	2402.5964	---	---
3DH5	Ant1	2441	1.205	2440.3946	2441.5994	---	---
3DH5	Ant1	2480	1.205	2479.3946	2480.5994	---	---



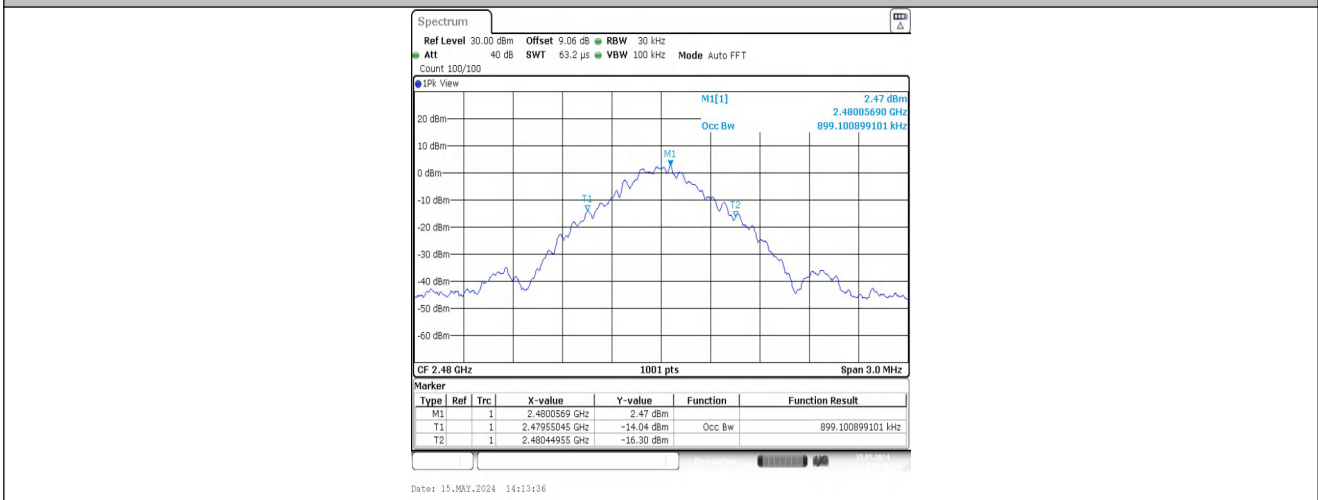
## Test Graphs



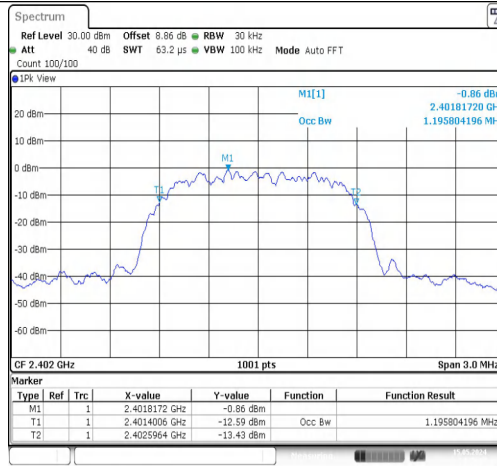
DH5-Ant1-2402



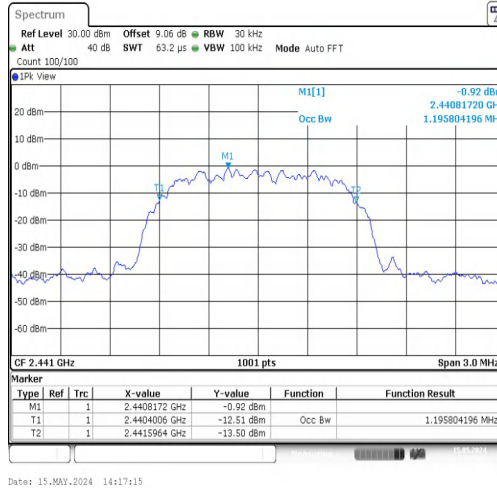
DH5-Ant1-2441



DH5-Ant1-2480



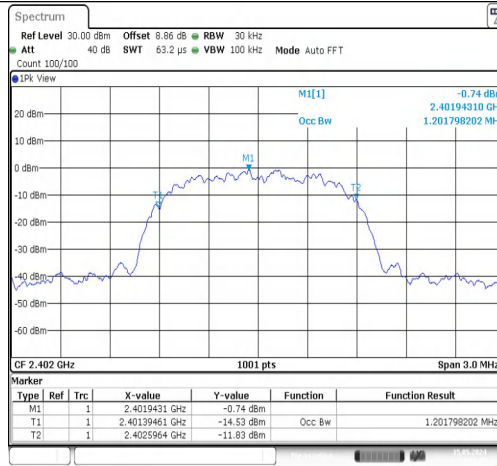
2DH5-Ant1-2402



2DH5-Ant1-2441

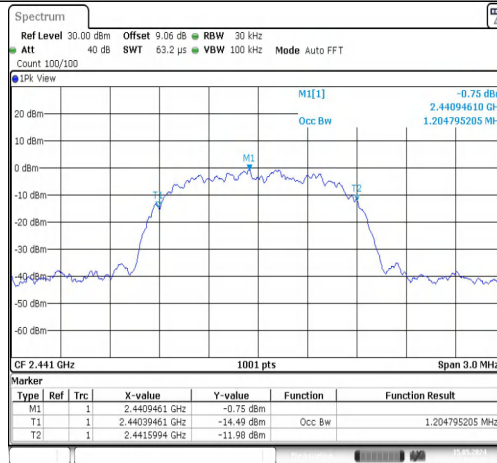


2DH5-Ant1-2480



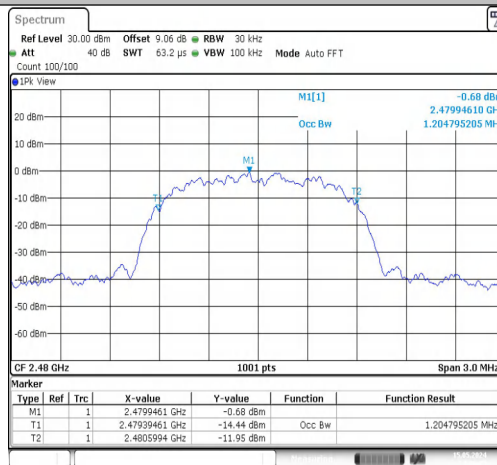
Date: 15.MAY.2024 14:21:27

### 3DH5-Ant1-2402



Date: 15.MAY.2024 14:25:22

### 3DH5-Ant1-2441



Date: 15.MAY.2024 14:26:53

### 3DH5-Ant1-2480





### 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	5.87	≤30.00	PASS
DH5	Ant1	2441	5.83	≤30.00	PASS
DH5	Ant1	2480	5.73	≤30.00	PASS
2DH5	Ant1	2402	7.71	≤20.97	PASS
2DH5	Ant1	2441	7.74	≤20.97	PASS
2DH5	Ant1	2480	7.73	≤20.97	PASS
3DH5	Ant1	2402	8.06	≤20.97	PASS
3DH5	Ant1	2441	8.00	≤20.97	PASS
3DH5	Ant1	2480	8.16	≤20.97	PASS



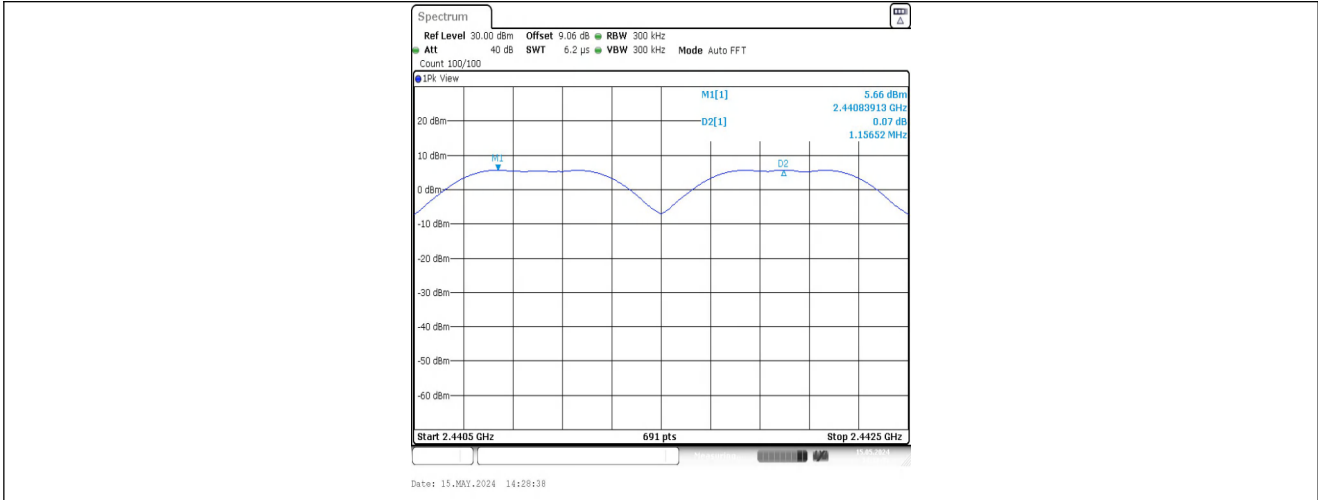
## Appendix D: Hopping Channel Separation

### Test Result

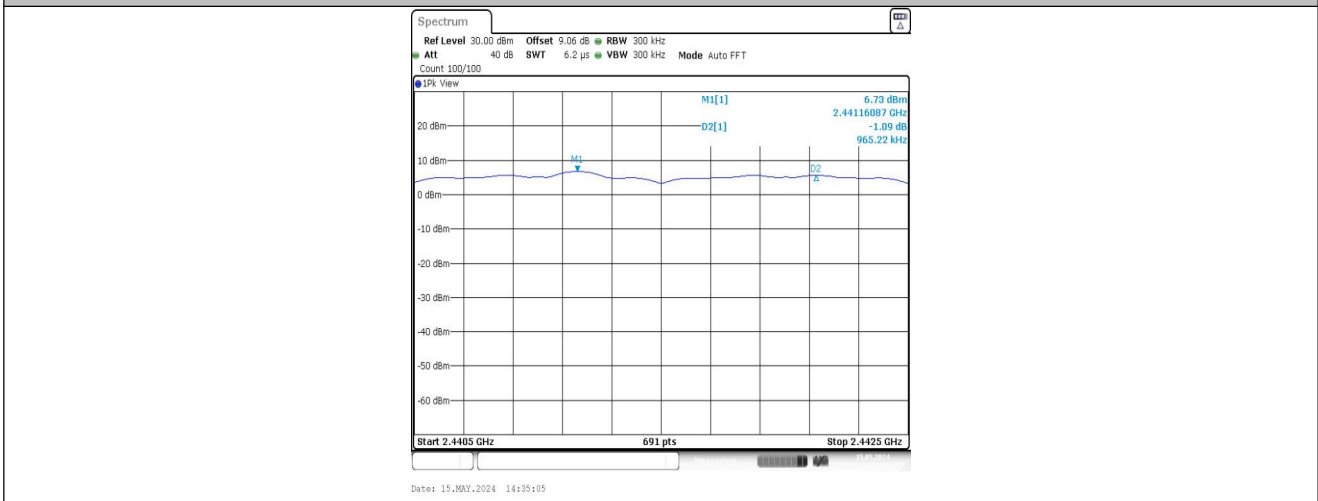
TestMode	Antenna	Frequency[MHz]	Result[MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	1.157	$\geq 0.960$	PASS
2DH5	Ant1	Hop	0.965	$\geq 0.913$	PASS
3DH5	Ant1	Hop	1.064	$\geq 0.900$	PASS



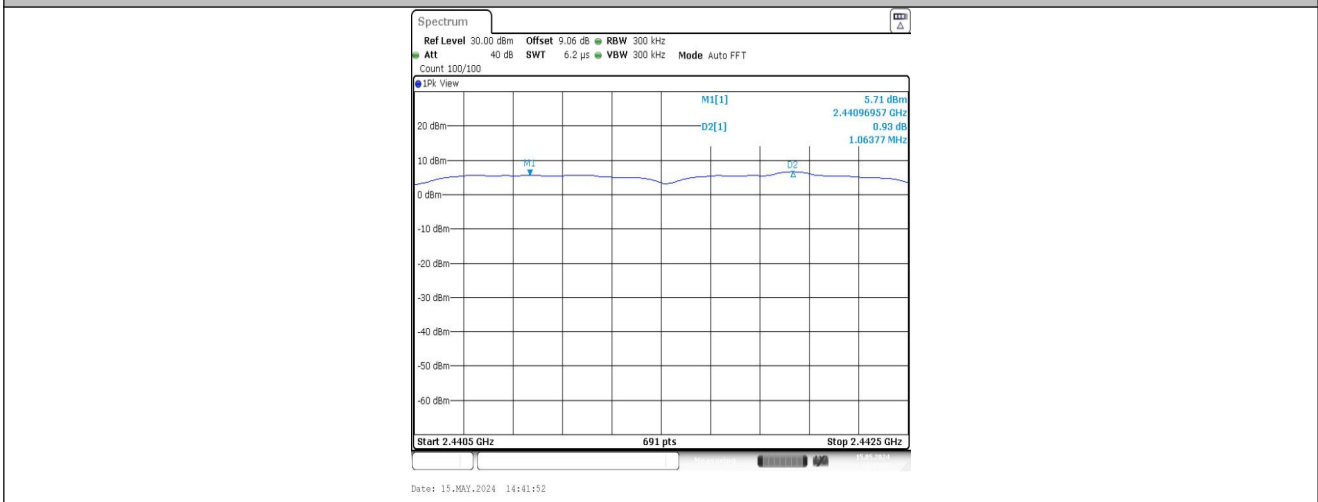
Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



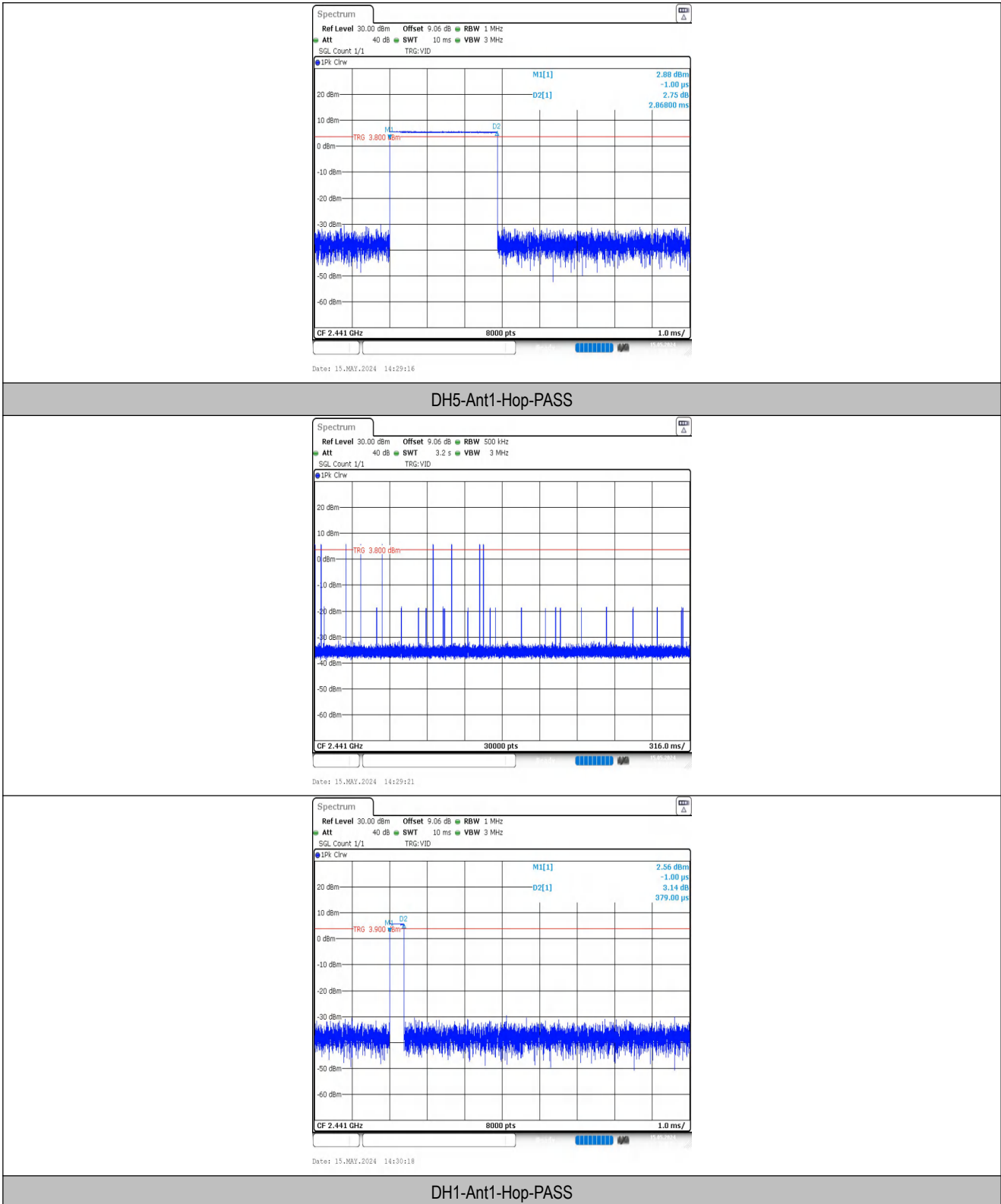
## Appendix E: Dell Time of Each Channel

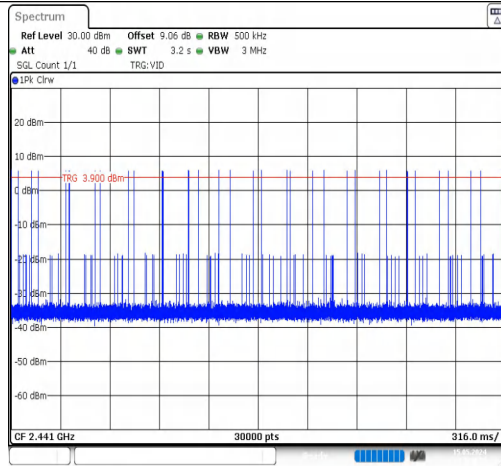
### Test Result

TestMode	Antenna	Frequency[MHz]	BurstWidth [ms]	TotalHops [Num]	Result[s]	Limit[s]	Verdict
DH5	Ant1	Hop	2.868	90	0.258	≤0.4	PASS
DH1	Ant1	Hop	0.379	330	0.125	≤0.4	PASS
DH3	Ant1	Hop	1.628	140	0.228	≤0.4	PASS
2DH5	Ant1	Hop	2.872	90	0.258	≤0.4	PASS
2DH1	Ant1	Hop	0.388	320	0.124	≤0.4	PASS
2DH3	Ant1	Hop	1.631	180	0.294	≤0.4	PASS
3DH5	Ant1	Hop	2.874	130	0.374	≤0.4	PASS
3DH1	Ant1	Hop	0.389	330	0.128	≤0.4	PASS
3DH3	Ant1	Hop	1.630	180	0.293	≤0.4	PASS

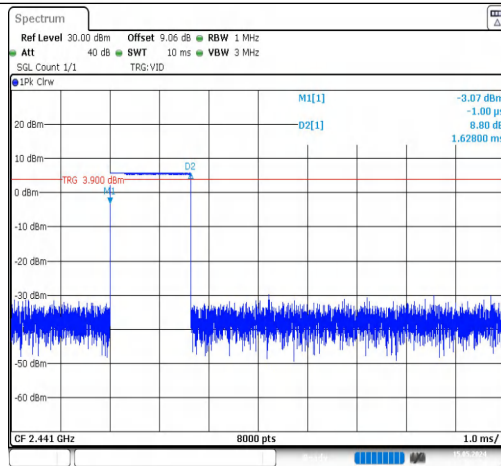


## Test Graphs



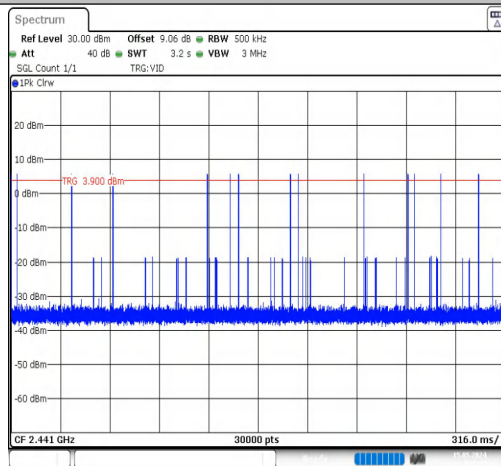


Date: 15.MAY.2024 14:30:24

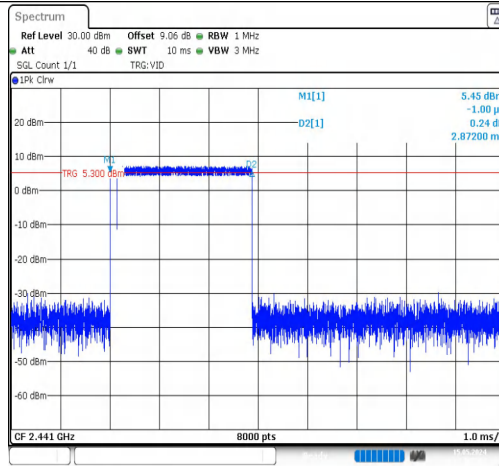


Date: 15.MAY.2024 14:31:20

### DH3-Ant1-Hop-PASS

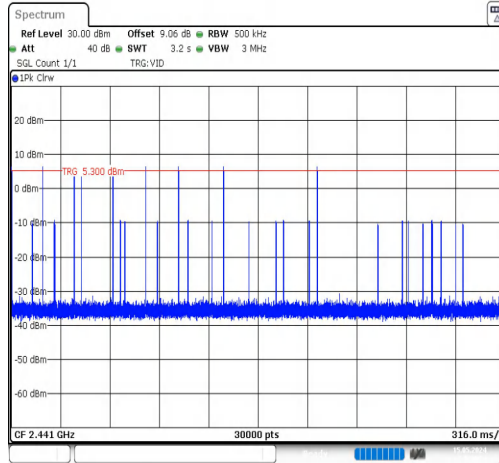


Date: 15.MAY.2024 14:31:26

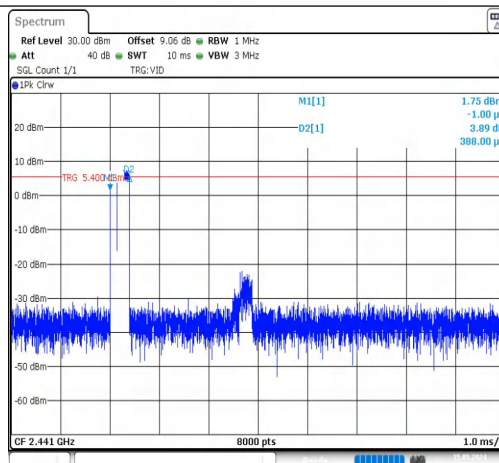


Date: 15.MAY.2024 14:37:55

## 2DH5-Ant1-Hop-PASS

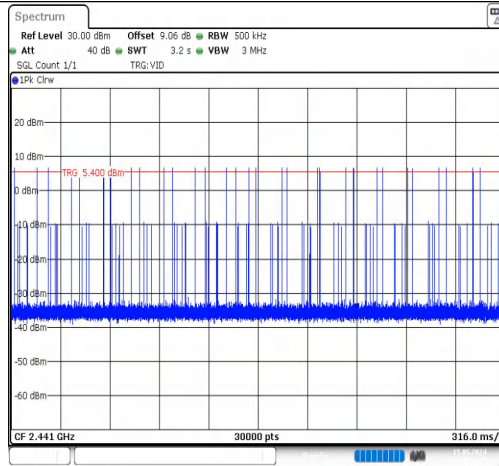


Date: 15.MAY.2024 14:38:00

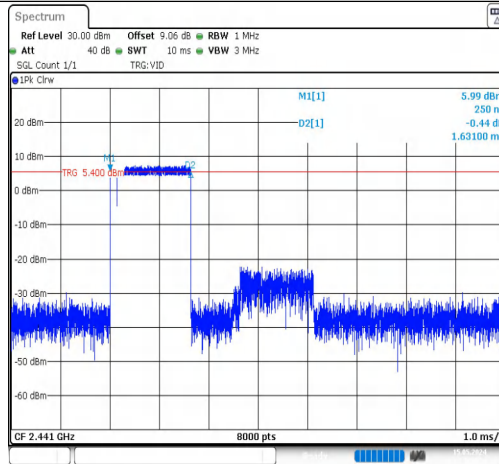


Date: 15.MAY.2024 14:38:31

## 2DH1-Ant1-Hop-PASS

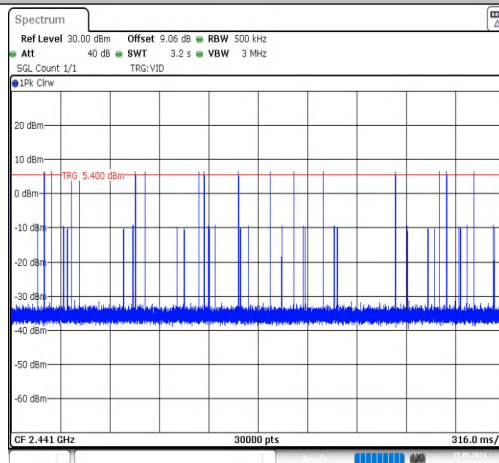


Date: 15.MAY.2024 14:38:37



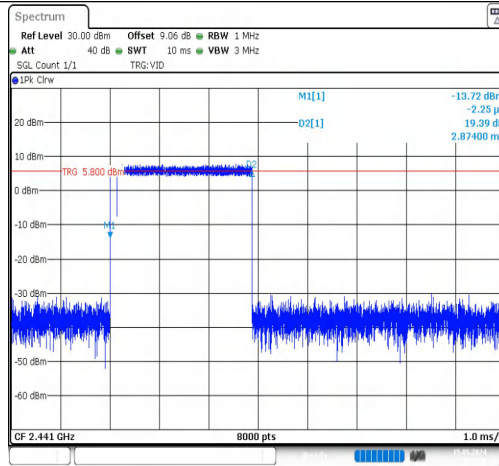
Date: 15.MAY.2024 14:39:08

## 2DH3-Ant1-Hop-PASS



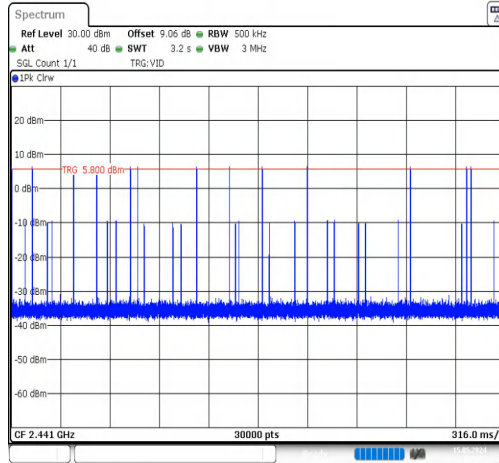
Date: 15.MAY.2024 14:39:13



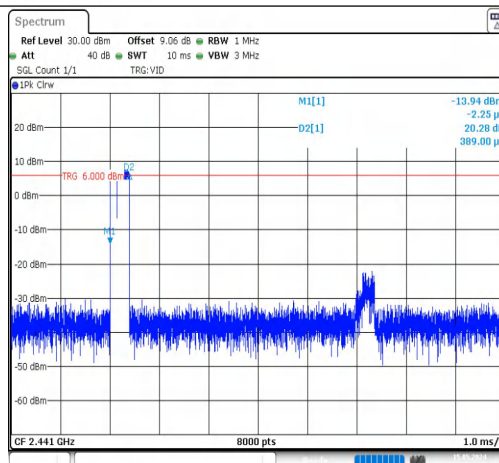


Date: 15.MAY.2024 14:43:37

### 3DH5-Ant1-Hop-PASS

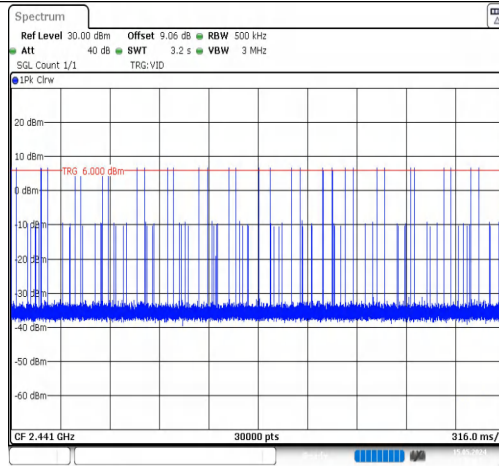


Date: 15.MAY.2024 14:43:42

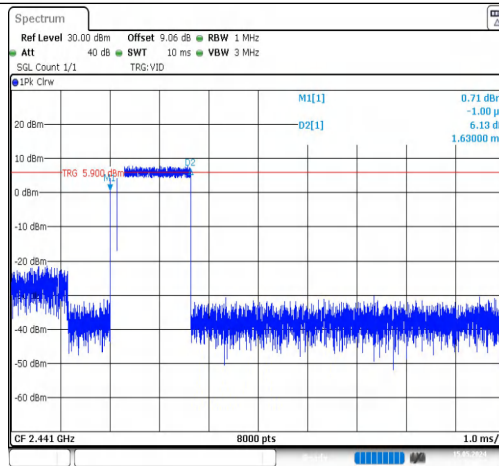


Date: 15.MAY.2024 14:44:13

### 3DH1-Ant1-Hop-PASS

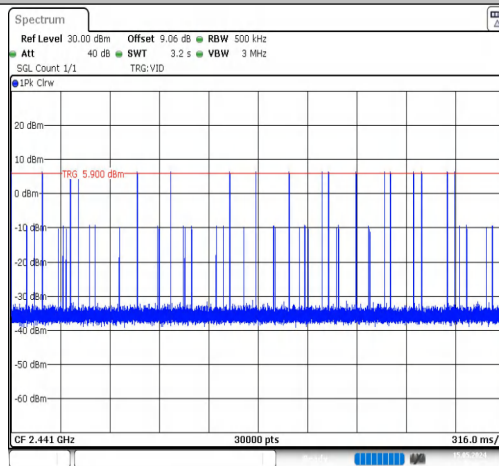


Date: 15.MAY.2024 14:44:18



Date: 15.MAY.2024 14:44:42

3DH3-Ant1-Hop-PASS



Date: 15.MAY.2024 14:44:47



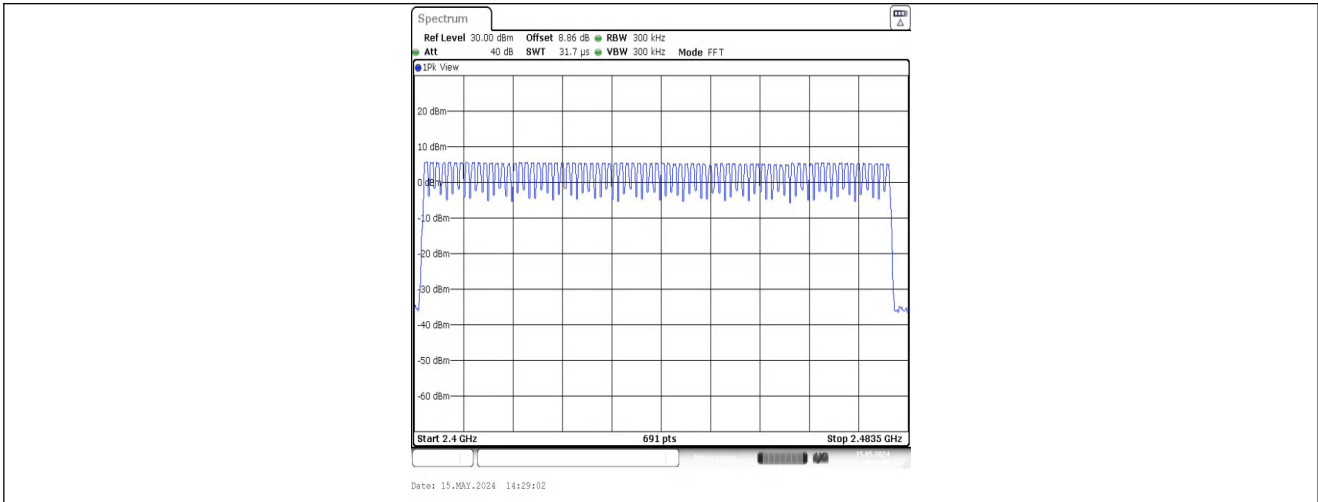
## Appendix F: Number of hopping channels

### Test Result

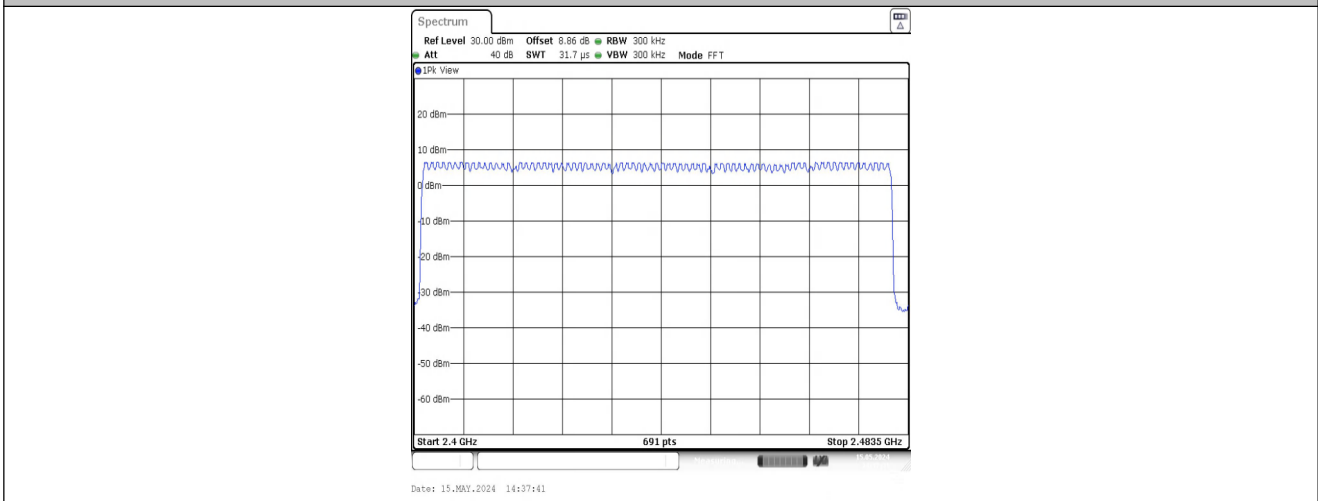
TestMode	Antenna	Frequency[MHz]	Result[Num]	Limit[Num]	Verdict
DH5	Ant1	Hop	79	≥15	PASS
2DH5	Ant1	Hop	79	≥15	PASS
3DH5	Ant1	Hop	79	≥15	PASS



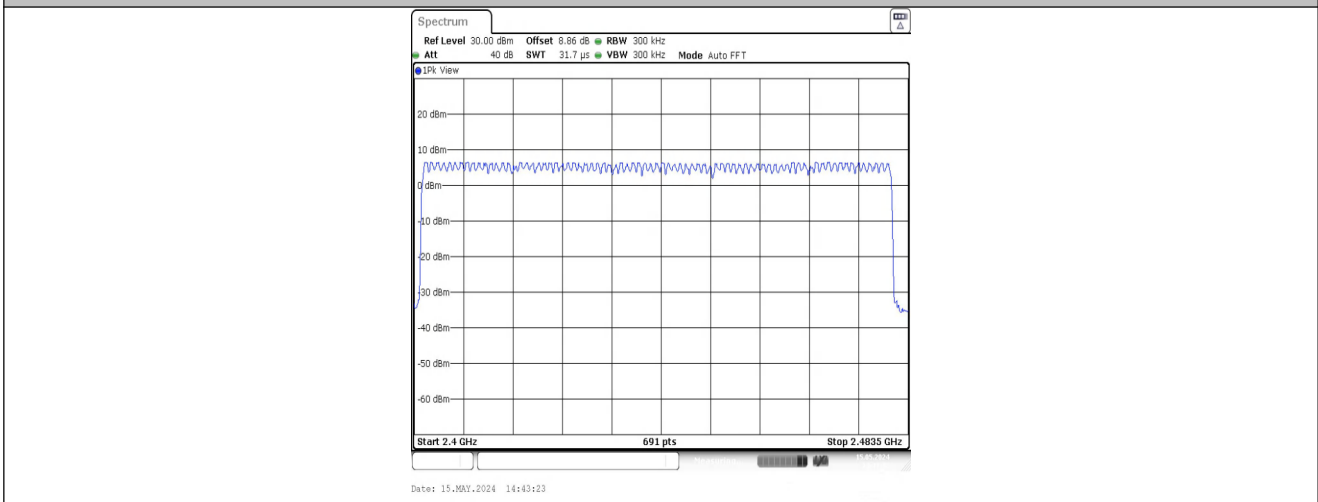
## Test Graphs



DH5-Ant1-Hop-PASS



2DH5-Ant1-Hop-PASS



3DH5-Ant1-Hop-PASS



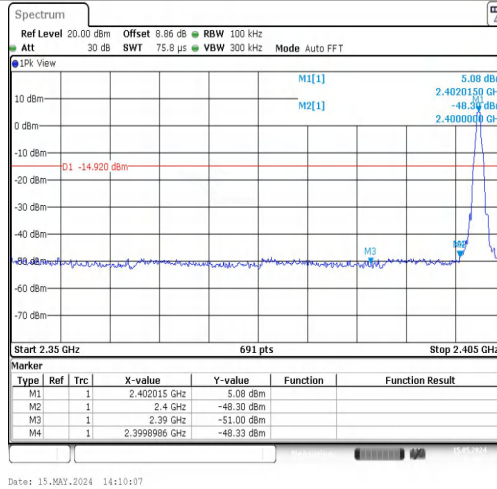
## Appendix G: Band edge measurements

### Test Result

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	Low	2402	5.08	-48.33	≤-14.92	PASS
DH5	Ant1	High	2480	4.97	-46.98	≤-15.03	PASS
2DH5	Ant1	Low	2402	3.93	-48.13	≤-16.07	PASS
2DH5	Ant1	High	2480	3.91	-47.25	≤-16.09	PASS
3DH5	Ant1	Low	2402	3.75	-47.66	≤-16.25	PASS
3DH5	Ant1	High	2480	3.81	-45.82	≤-16.19	PASS
DH5	Ant1	Low	Hop_2402	5.28	-47.94	≤-14.72	PASS
DH5	Ant1	High	Hop_2480	5.40	-47.19	≤-14.6	PASS
2DH5	Ant1	Low	Hop_2402	2.96	-48.31	≤-17.04	PASS
2DH5	Ant1	High	Hop_2480	4.02	-47.56	≤-15.98	PASS
3DH5	Ant1	Low	Hop_2402	3.24	-48.12	≤-16.76	PASS
3DH5	Ant1	High	Hop_2480	6.72	-46.89	≤-13.28	PASS

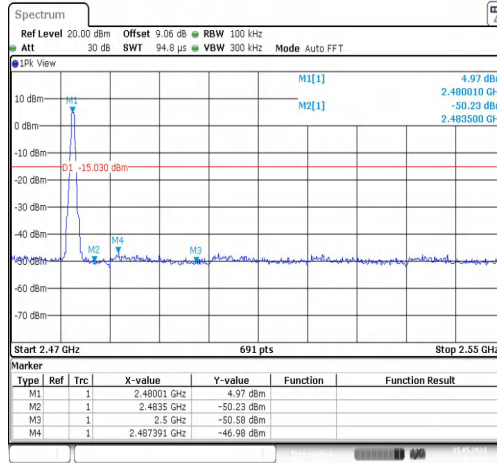


## Test Graphs



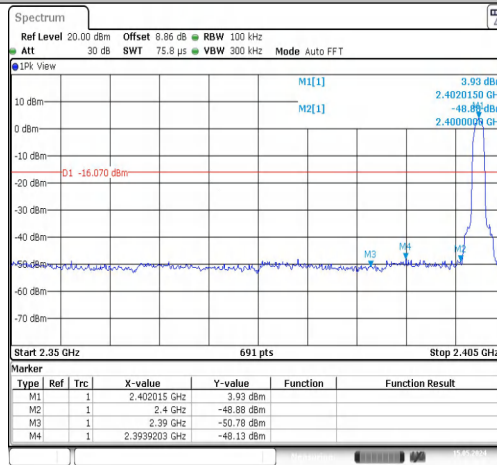
Date: 15.MAY.2024 14:10:07

DH5-Ant1-2402-PASS



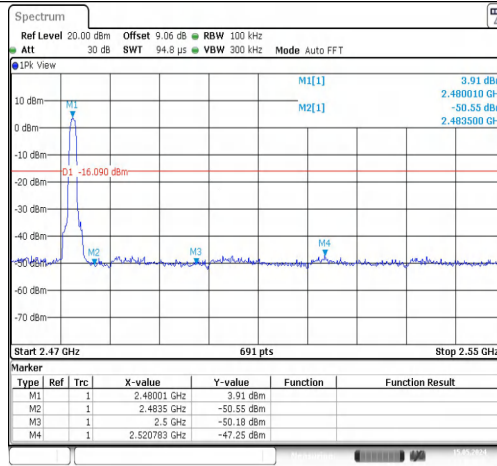
Date: 15.MAY.2024 14:13:44

DH5-Ant1-2480-PASS

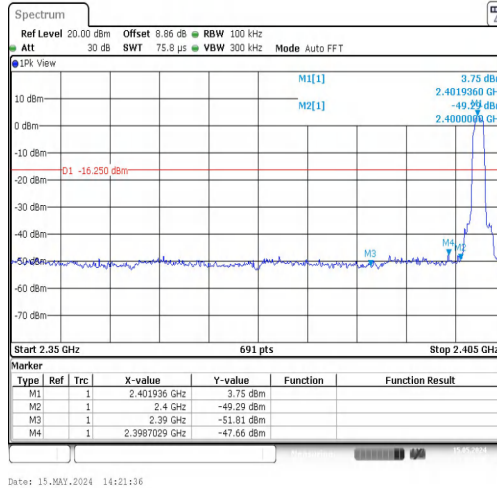


Date: 15.MAY.2024 14:15:46

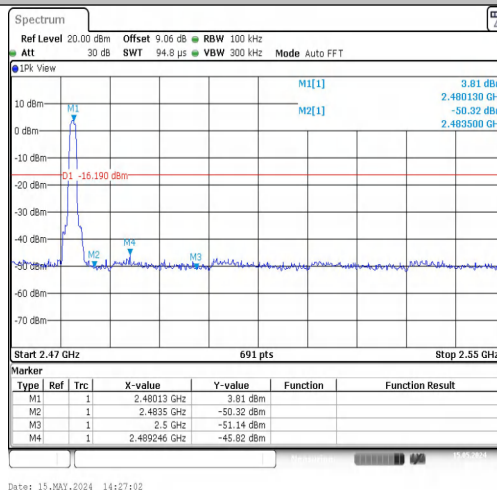
2DH5-Ant1-2402-PASS



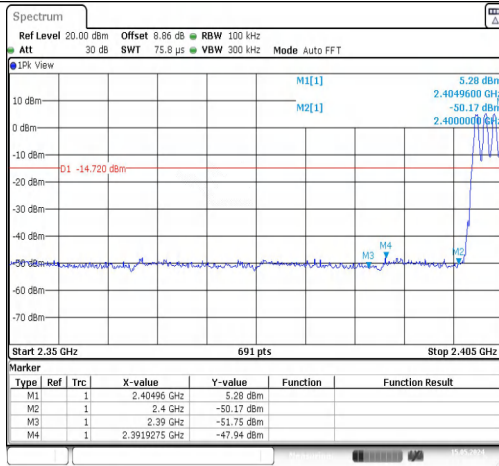
2DH5-Ant1-2480-PASS



3DH5-Ant1-2402-PASS

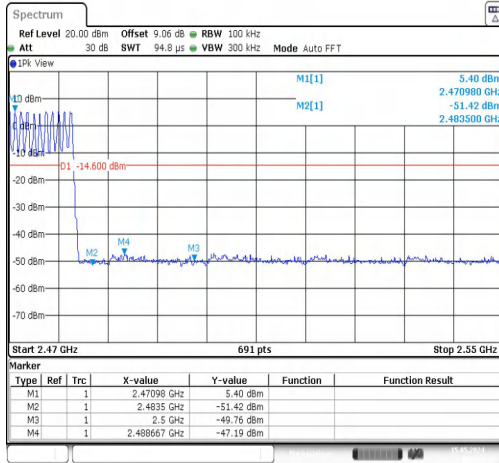


3DH5-Ant1-2480-PASS



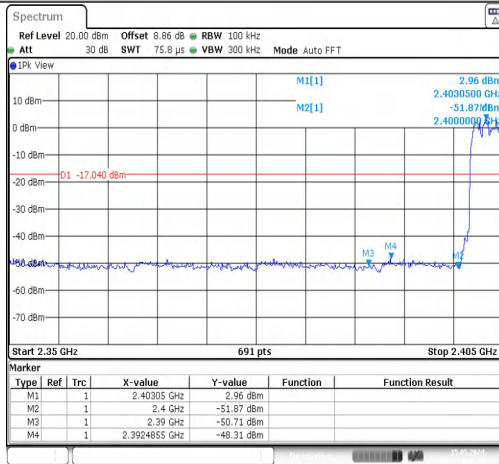
Date: 15.MAY.2024 14:28:28

### DH5-Ant1-Hop\_2402-PASS



Date: 15.MAY.2024 14:32:54

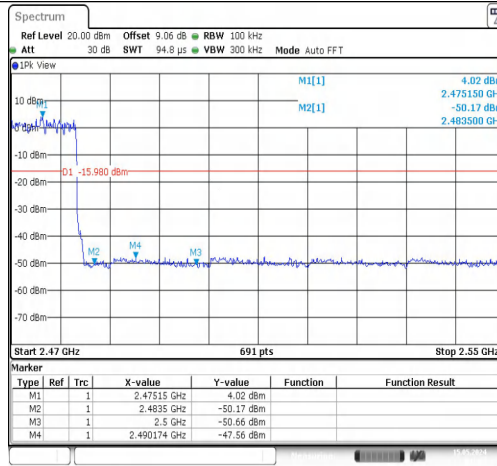
### DH5-Ant1-Hop\_2480-PASS



Date: 15.MAY.2024 14:33:14

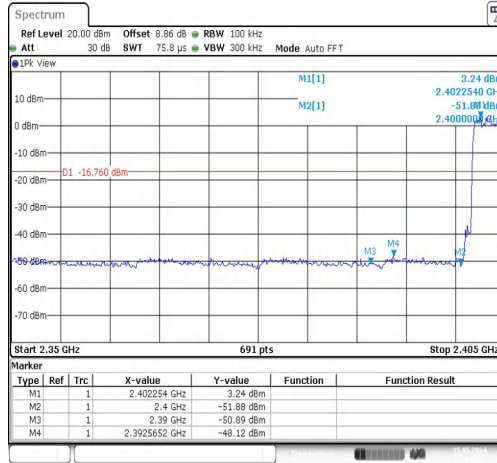
### 2DH5-Ant1-Hop\_2402-PASS





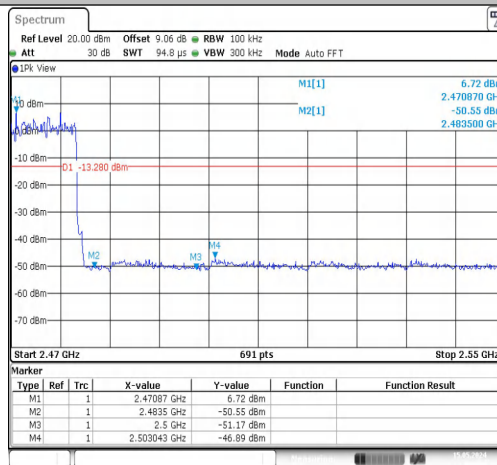
Date: 15.MAY.2024 14:41:02

### 2D H5-Ant1-Hop\_2480-PASS



Date: 15.MAY.2024 14:41:19

### 3D H5-Ant1-Hop\_2402-PASS



Date: 15.MAY.2024 14:45:07

### 3D H5-Ant1-Hop\_2480-PASS



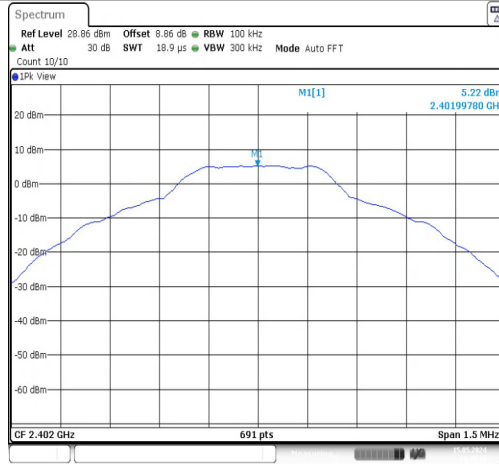
## Appendix H: Conducted Spurious Emission

### Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
DH5	Ant1	2402	0~Reference	5.22	5.22	---	PASS
DH5	Ant1	2402	30~1000	5.22	-57.12	≤-14.78	PASS
DH5	Ant1	2402	1000~26500	5.22	-47.19	≤-14.78	PASS
DH5	Ant1	2441	0~Reference	5.13	5.13	---	PASS
DH5	Ant1	2441	30~1000	5.13	-54.73	≤-14.87	PASS
DH5	Ant1	2441	1000~26500	5.13	-46.51	≤-14.87	PASS
DH5	Ant1	2480	0~Reference	4.99	4.99	---	PASS
DH5	Ant1	2480	30~1000	4.99	-57.07	≤-15.01	PASS
DH5	Ant1	2480	1000~26500	4.99	-48.14	≤-15.01	PASS
2DH5	Ant1	2402	0~Reference	4.04	4.04	---	PASS
2DH5	Ant1	2402	30~1000	4.04	-58.13	≤-15.96	PASS
2DH5	Ant1	2402	1000~26500	4.04	-48.07	≤-15.96	PASS
2DH5	Ant1	2441	0~Reference	3.92	3.92	---	PASS
2DH5	Ant1	2441	30~1000	3.92	-58.11	≤-16.08	PASS
2DH5	Ant1	2441	1000~26500	3.92	-47.47	≤-16.08	PASS
2DH5	Ant1	2480	0~Reference	3.92	3.92	---	PASS
2DH5	Ant1	2480	30~1000	3.92	-58.72	≤-16.08	PASS
2DH5	Ant1	2480	1000~26500	3.92	-47.65	≤-16.08	PASS
3DH5	Ant1	2402	0~Reference	3.91	3.91	---	PASS
3DH5	Ant1	2402	30~1000	3.91	-56.14	≤-16.09	PASS
3DH5	Ant1	2402	1000~26500	3.91	-47.95	≤-16.09	PASS
3DH5	Ant1	2441	0~Reference	3.86	3.86	---	PASS
3DH5	Ant1	2441	30~1000	3.86	-55.51	≤-16.14	PASS
3DH5	Ant1	2441	1000~26500	3.86	-47.14	≤-16.14	PASS
3DH5	Ant1	2480	0~Reference	3.87	3.87	---	PASS
3DH5	Ant1	2480	30~1000	3.87	-53.71	≤-16.13	PASS
3DH5	Ant1	2480	1000~26500	3.87	-47.04	≤-16.13	PASS

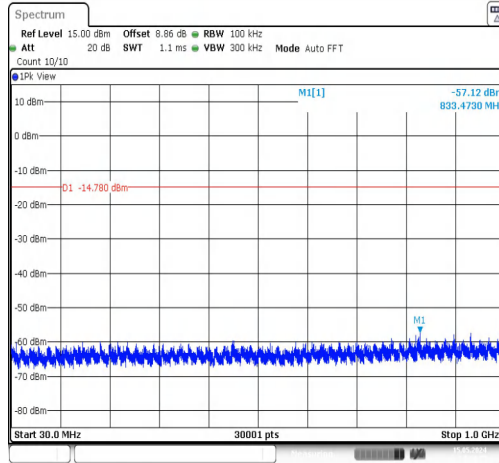


Test Graphs



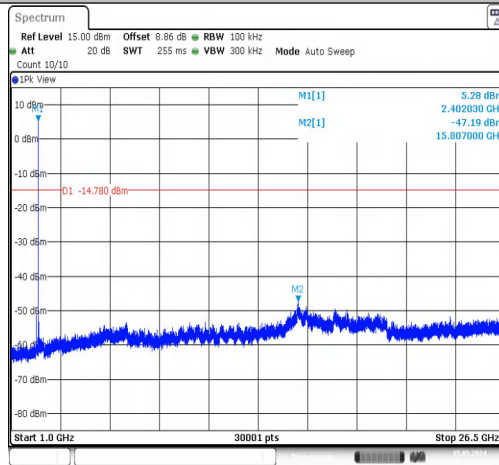
Date: 15.MAY.2024 14:10:16

DH5-Ant1-2402-0~Reference-PASS



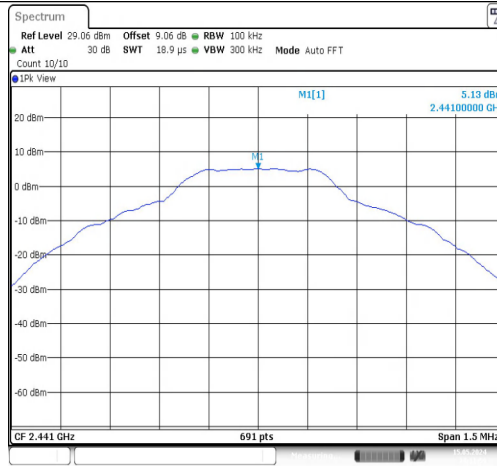
Date: 15.MAY.2024 14:10:27

DH5-Ant1-2402-30~1000-PASS



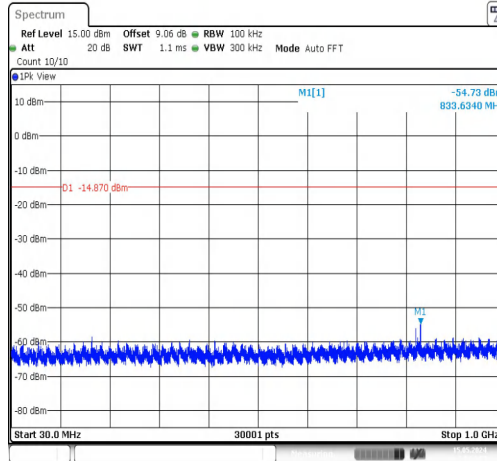
Date: 15.MAY.2024 14:11:04

DH5-Ant1-2402-1000~26500-PASS



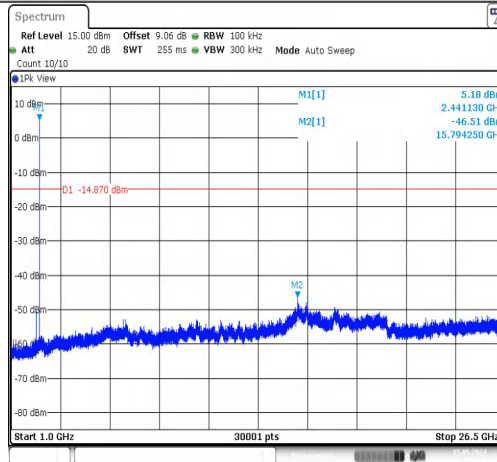
Date: 15.MAY.2024 14:11:59

DH5-Ant1-2441-0~Reference-PASS



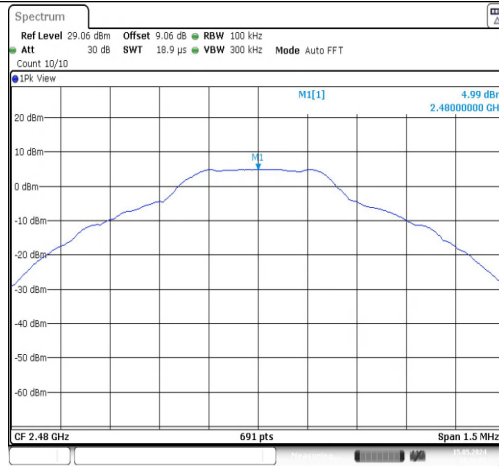
Date: 15.MAY.2024 14:12:11

DH5-Ant1-2441-30~1000-PASS



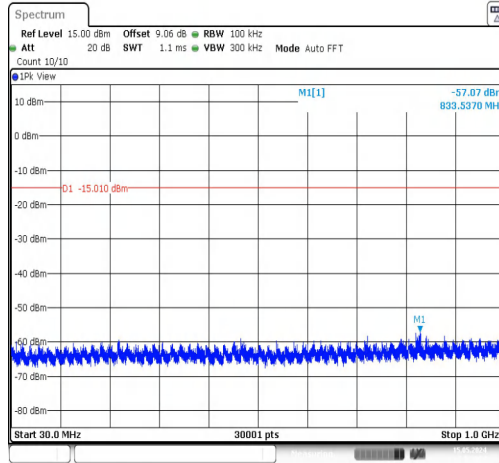
Date: 15.MAY.2024 14:12:48

DH5-Ant1-2441-1000~26500-PASS



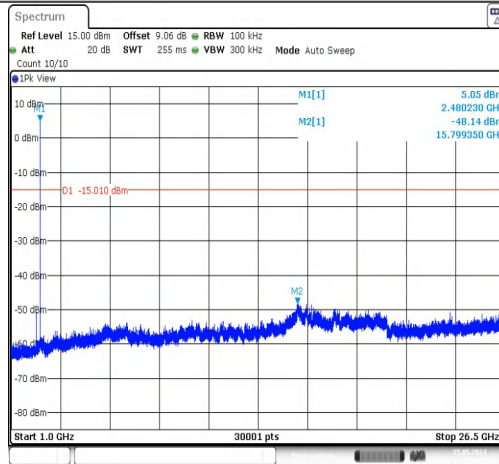
Date: 15.MAY.2024 14:13:53

DH5-Ant1-2480-0~Reference-PASS



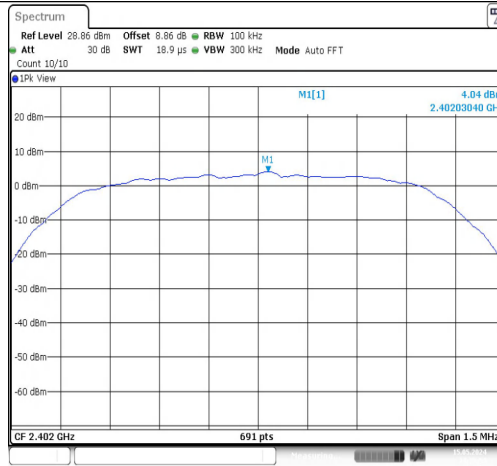
Date: 15.MAY.2024 14:14:04

DH5-Ant1-2480-30~1000-PASS



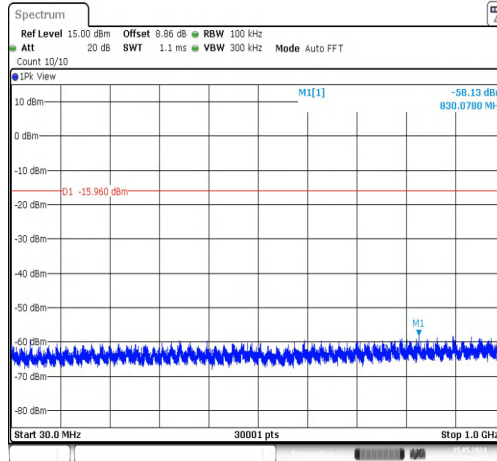
Date: 15.MAY.2024 14:14:41

DH5-Ant1-2480-1000~26500-PASS



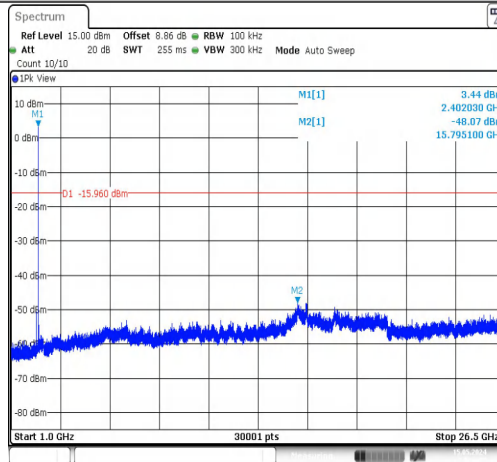
Date: 15.MAY.2024 14:15:54

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



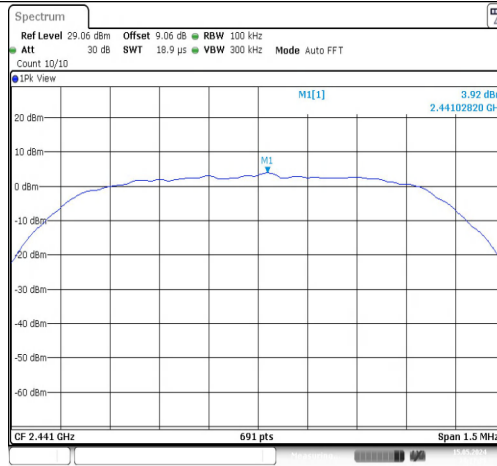
Date: 15.MAY.2024 14:16:05

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

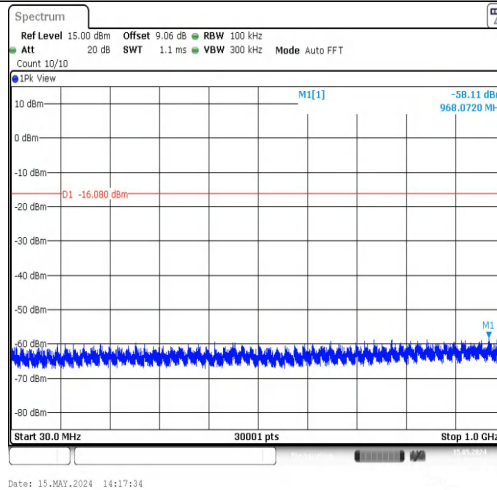


Date: 15.MAY.2024 14:16:42

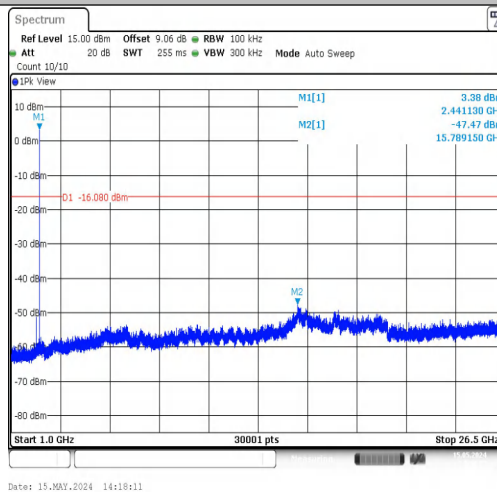
### 2DH5-Ant1-2402-1000~26500-PASS



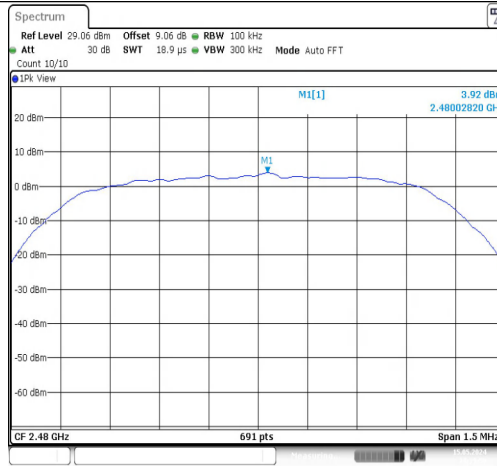
2DH5-Ant1-2441-0~Reference-PASS



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

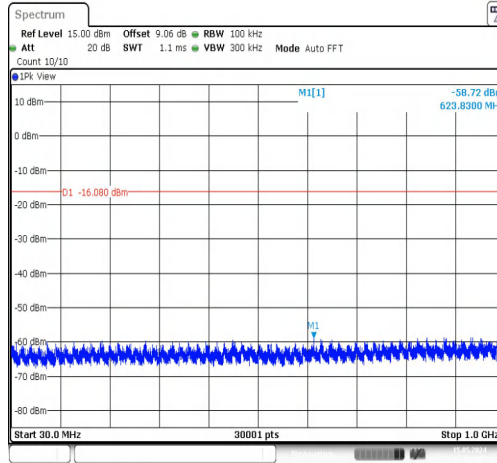


2DH5-Ant1-2441-1000~26500-PASS



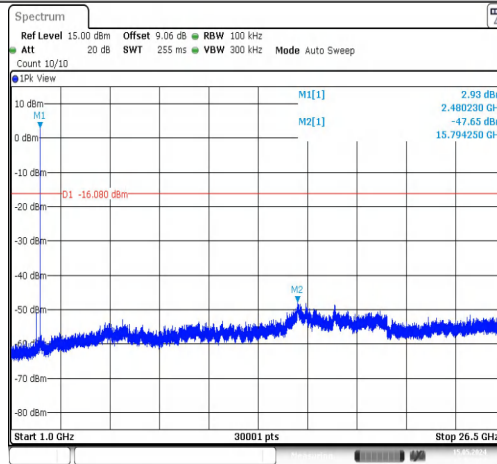
Date: 15.MAY.2024 14:19:56

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



Date: 15.MAY.2024 14:20:07

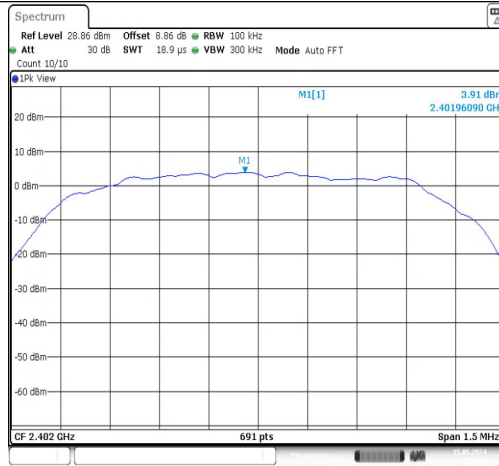
### 2DH5-Ant1-2480-30~1000-PASS



Date: 15.MAY.2024 14:20:44

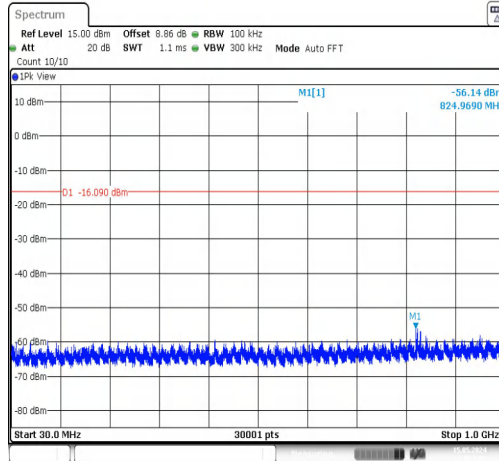
### 2DH5-Ant1-2480-1000~26500-PASS





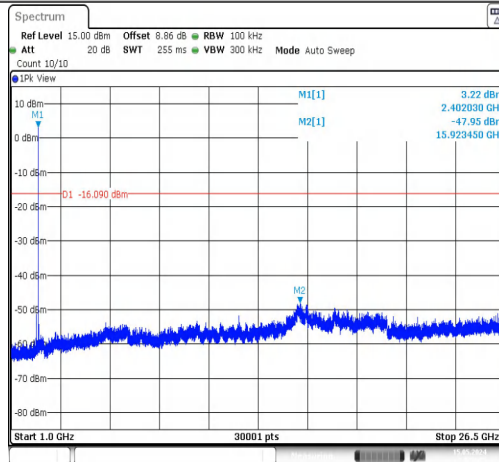
Date: 15.MAY.2024 14:21:44

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



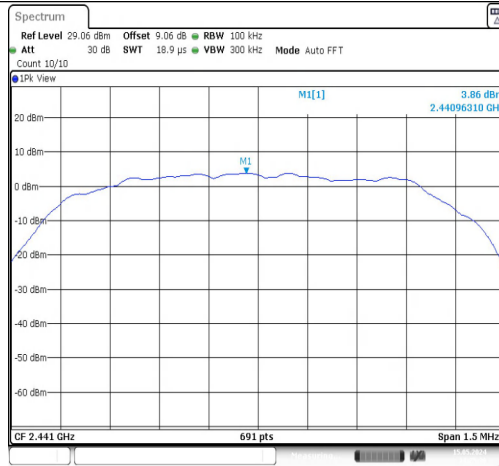
Date: 15.MAY.2024 14:21:56

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



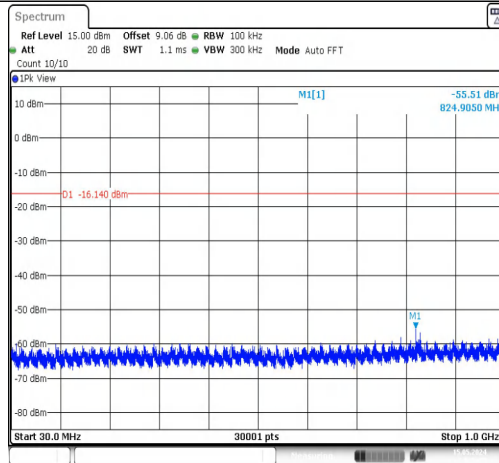
Date: 15.MAY.2024 14:22:33

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



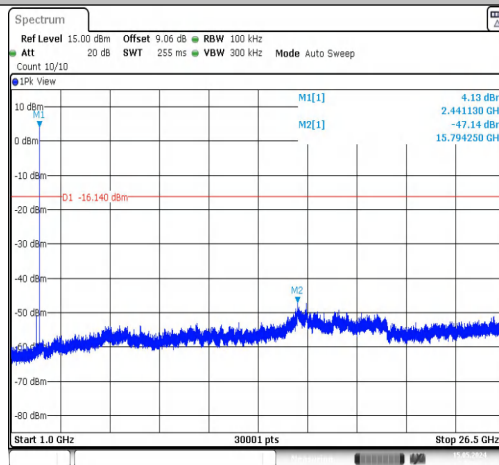
Date: 15.MAY.2024 14:25:30

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



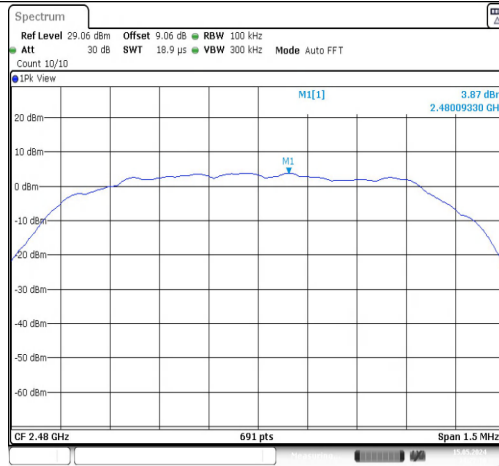
Date: 15.MAY.2024 14:25:41

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



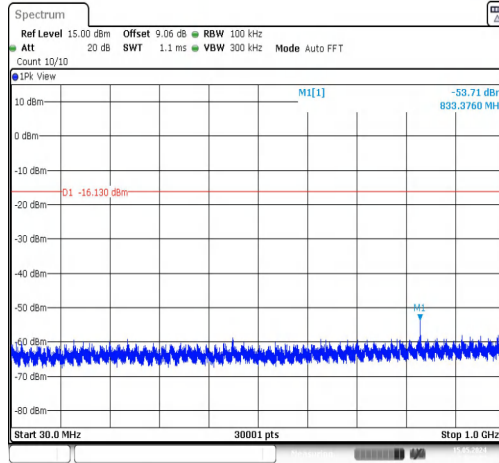
Date: 15.MAY.2024 14:26:18

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



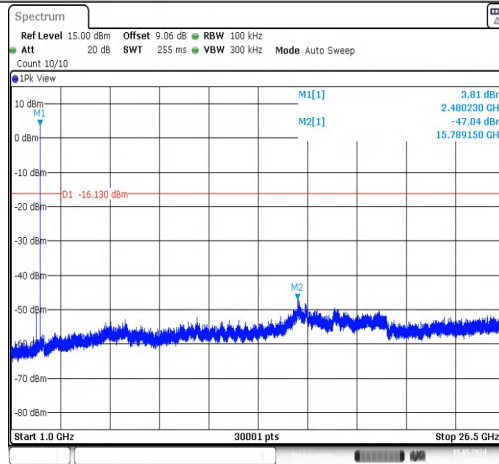
Date: 15.MAY.2024 14:27:11

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



Date: 15.MAY.2024 14:27:22

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



Date: 15.MAY.2024 14:27:59

3DH5-Ant1-2480-1000~26500-PASS



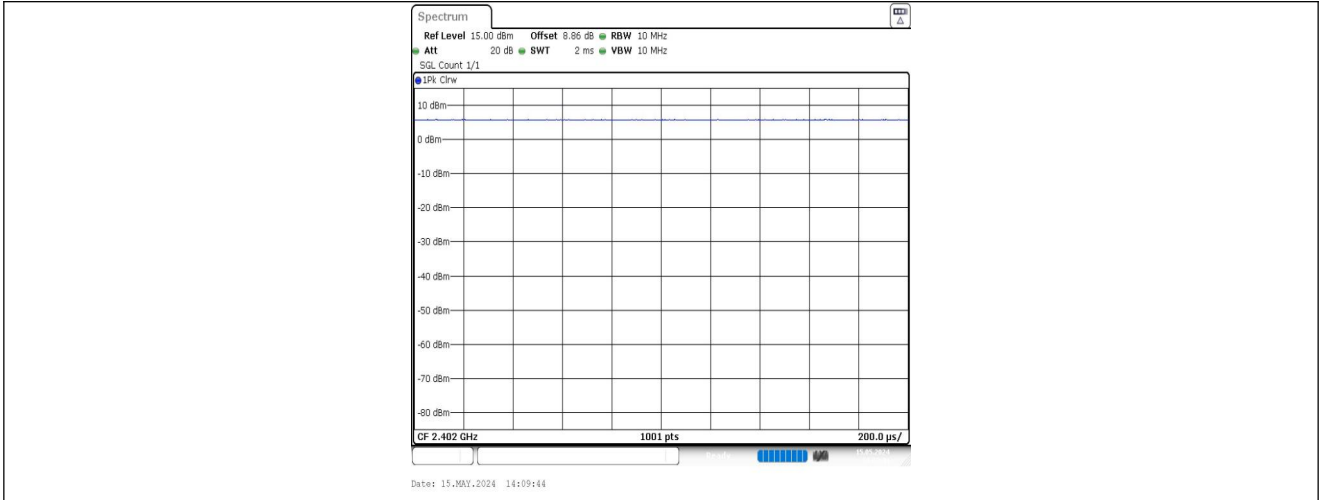
## Appendix I: Duty Cycle

### Test Result

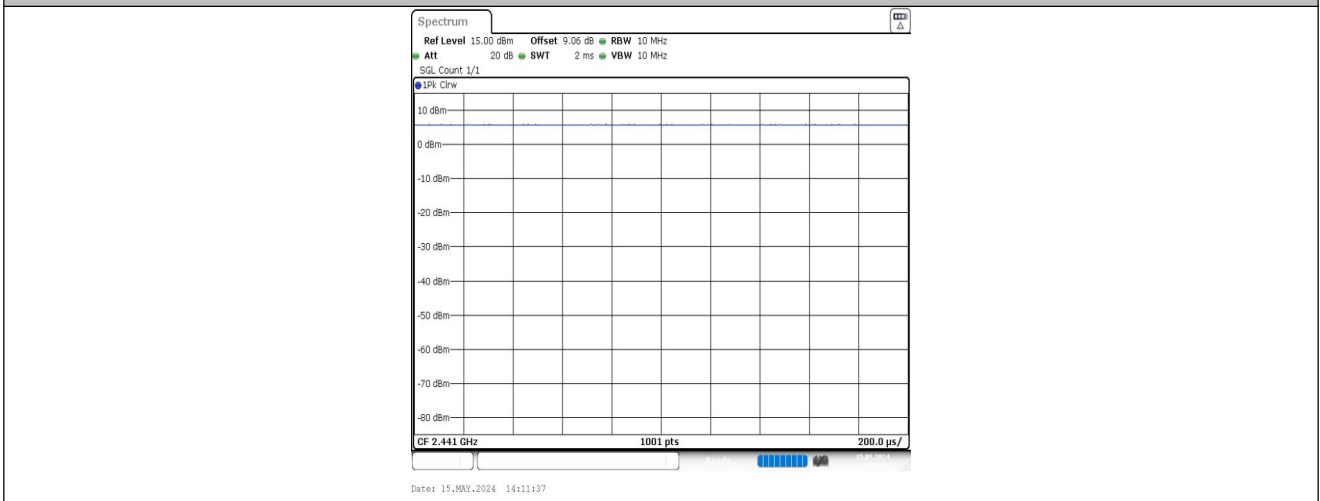
TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
DH5	Ant1	2402	0.00	0.00	100	NaN
DH5	Ant1	2441	0.00	0.00	100	NaN
DH5	Ant1	2480	0.00	0.00	100	NaN
2DH5	Ant1	2402	2.00	2.00	100	0.00
2DH5	Ant1	2441	2.00	2.00	100	0.00
2DH5	Ant1	2480	2.00	2.00	100	0.00
3DH5	Ant1	2402	2.00	2.00	100	0.00
3DH5	Ant1	2441	2.00	2.00	100	0.00
3DH5	Ant1	2480	2.00	2.00	100	0.00



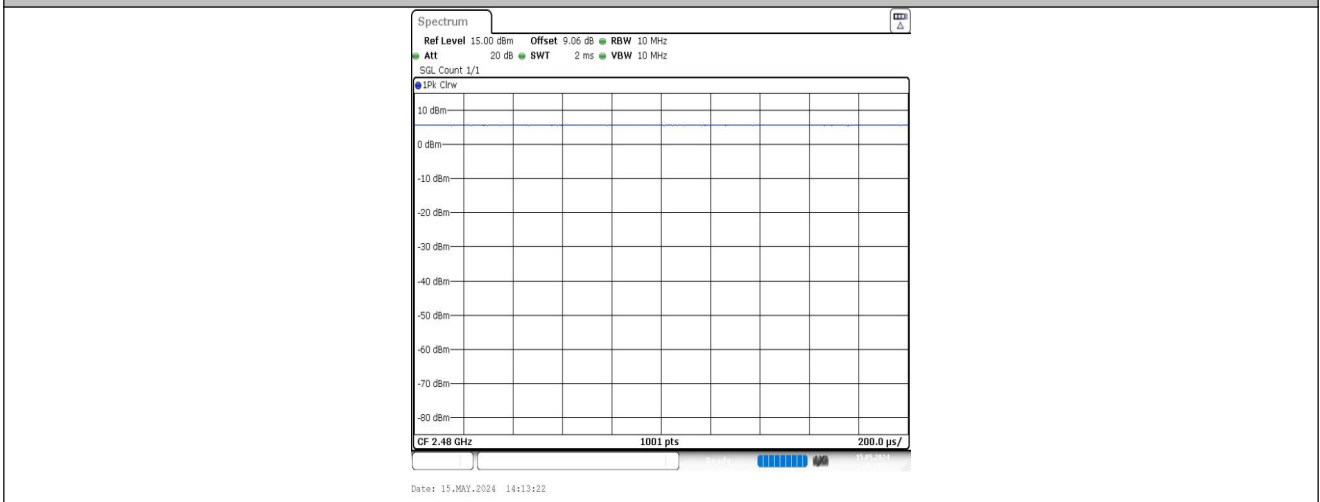
## Test Graphs



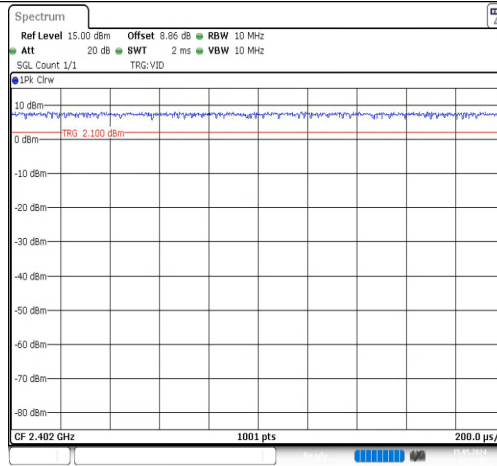
NTNV-DH5-Ant1-2402



NTNV-DH5-Ant1-2441

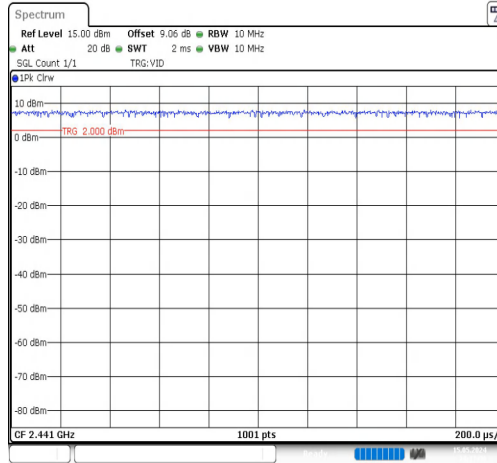


NTNV-DH5-Ant1-2480



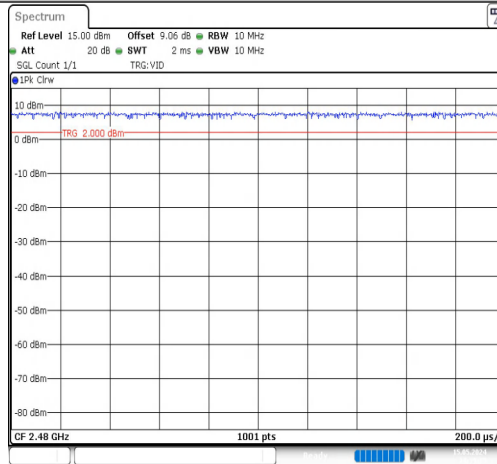
Date: 15.MAY.2024 14:15:23

NTNV-2DH5-Ant1-2402



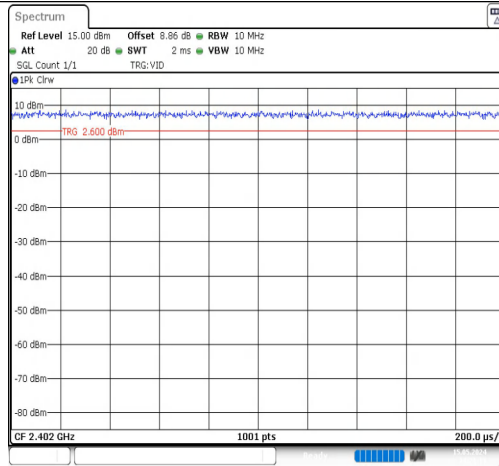
Date: 15.MAY.2024 14:17:00

NTNV-2DH5-Ant1-2441



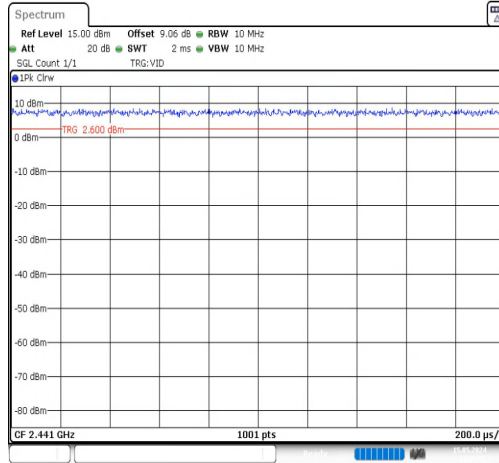
Date: 15.MAY.2024 14:19:25

NTNV-2DH5-Ant1-2480



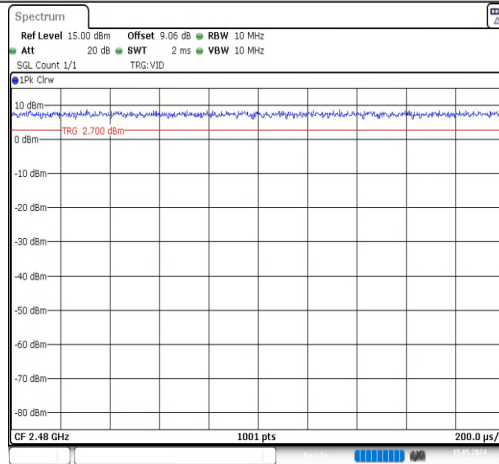
Date: 15.MAY.2024 14:21:13

### NTNV-3DH5-Ant1-2402



Date: 15.MAY.2024 14:25:07

### NTNV-3DH5-Ant1-2441



Date: 15.MAY.2024 14:26:39

### NTNV-3DH5-Ant1-2480