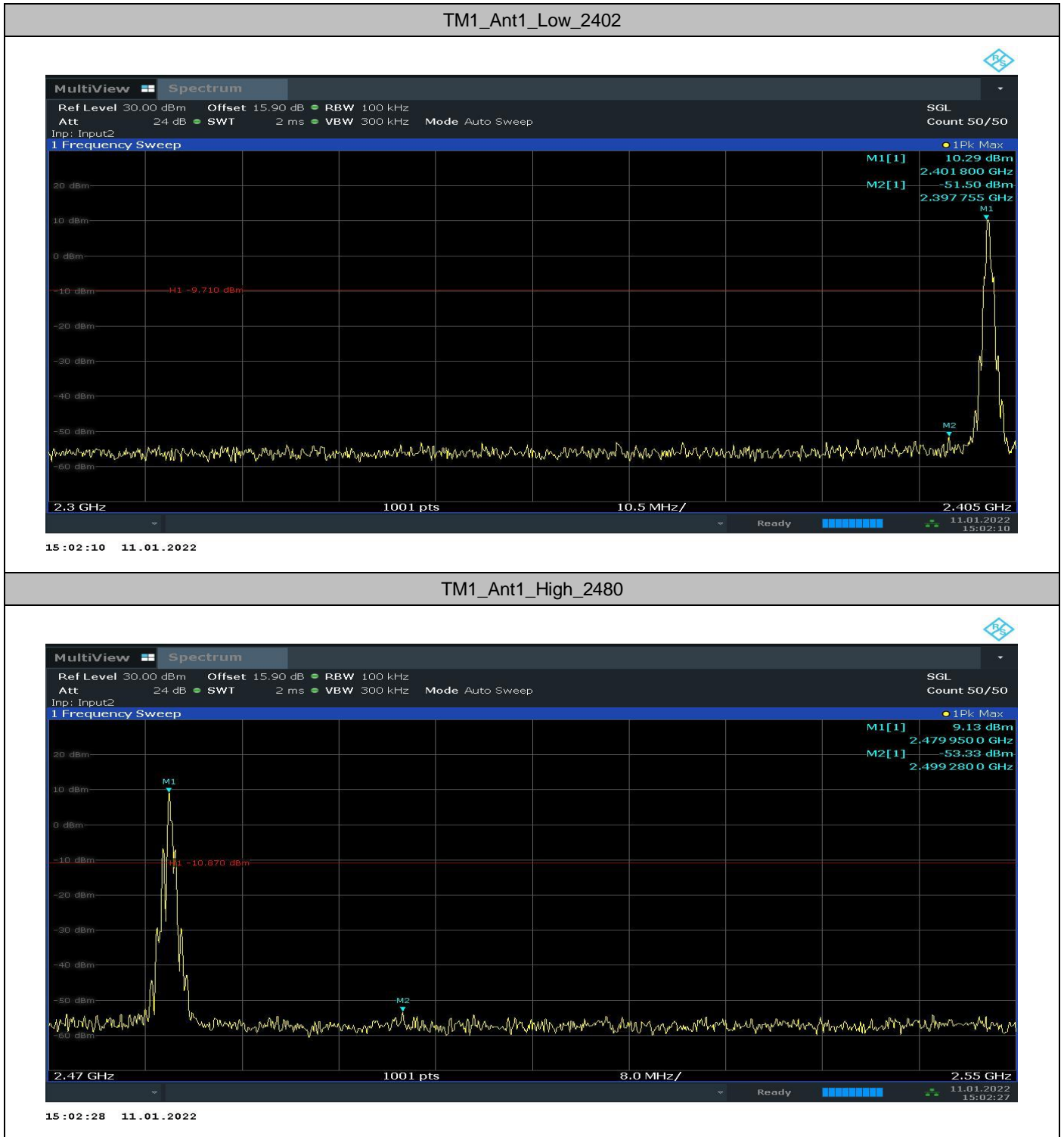


## 7. Appendix F: Band edge measurements

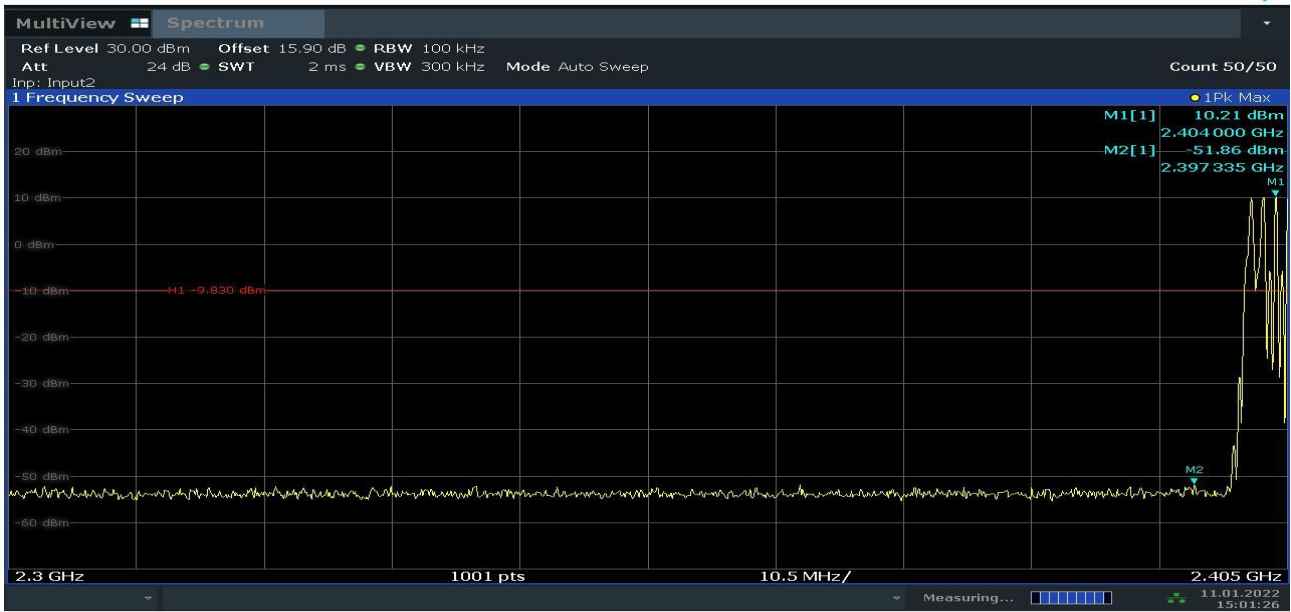
### 7.1 Test Result

TestMode	Antenna	Channel	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
TM1	Ant1	2402	10.29	-51.503	-9.71	PASS
		2480	9.13	-53.33	-10.87	PASS
		Hop_2402	10.17	-51.859	-9.83	PASS
		Hop_2480	9.78	-52.219	-10.22	PASS
TM2	Ant1	2402	8.21	-46.353	-11.79	PASS
		2480	5.58	-52.603	-14.42	PASS
		Hop_2402	6.16	-48.994	-13.84	PASS
		Hop_2480	6.6	-52.832	-13.4	PASS
TM3	Ant1	2402	6.3	-45.72	-13.7	PASS
		2480	4.15	-53.637	-15.85	PASS
		Hop_2402	5.94	-48.338	-14.06	PASS
		Hop_2480	5.88	-52.331	-14.12	PASS

### 7.2 Test Graphs

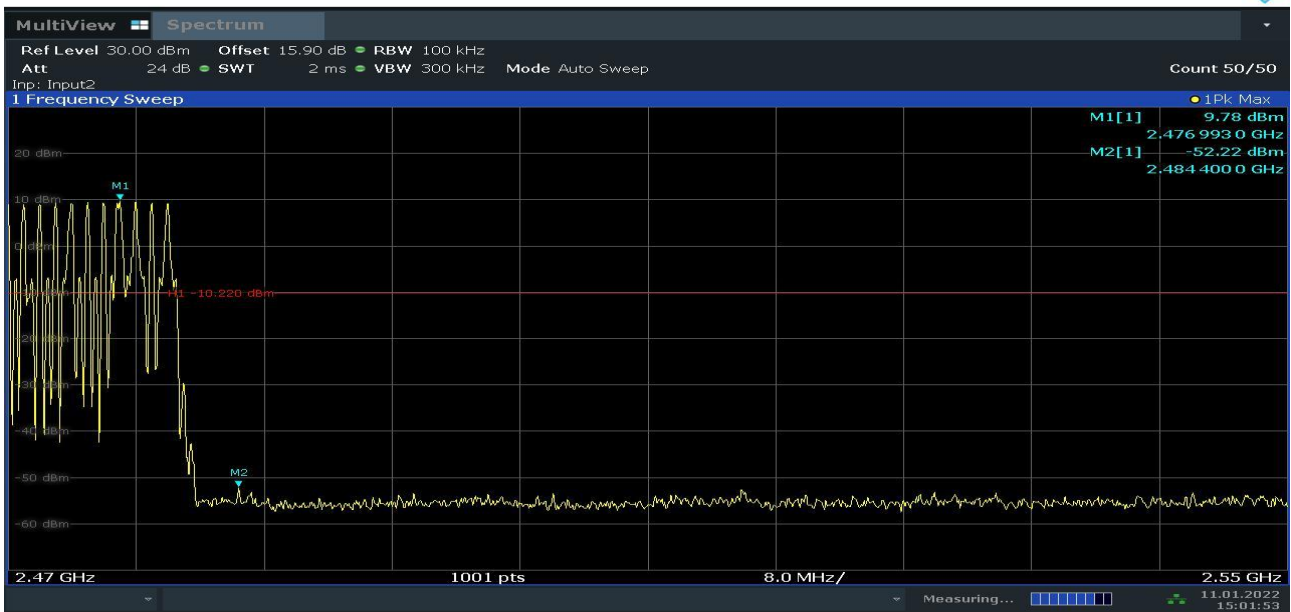


TM1\_Ant1\_Low\_Hop\_2402



15:01:27 11.01.2022

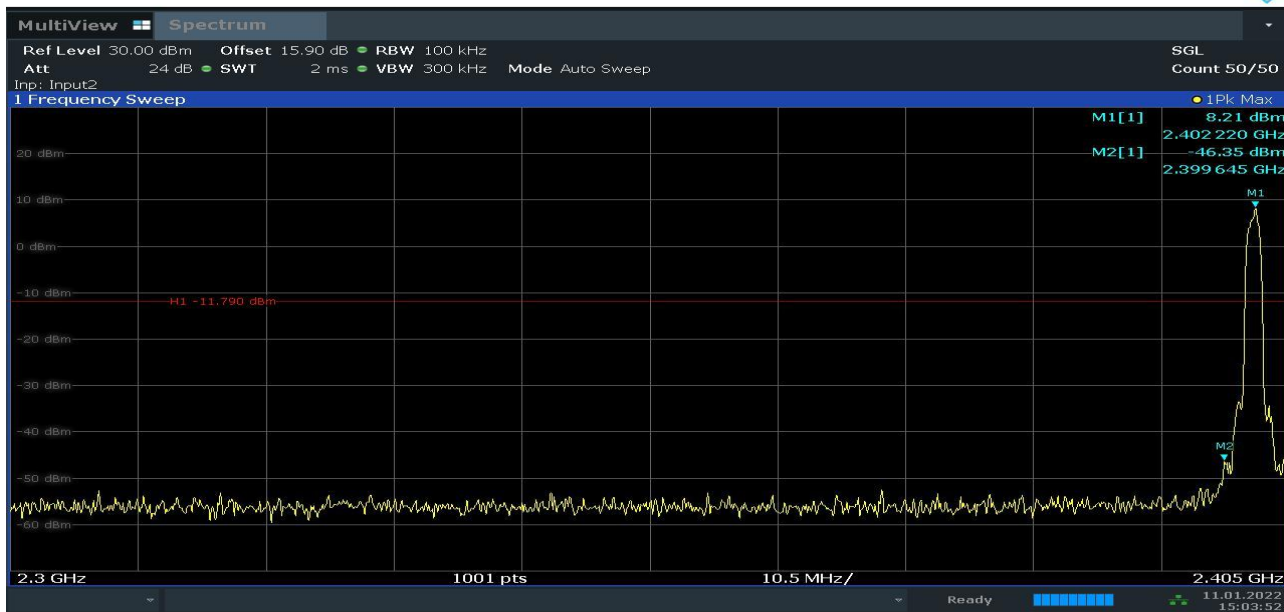
TM1\_Ant1\_High\_Hop\_2480



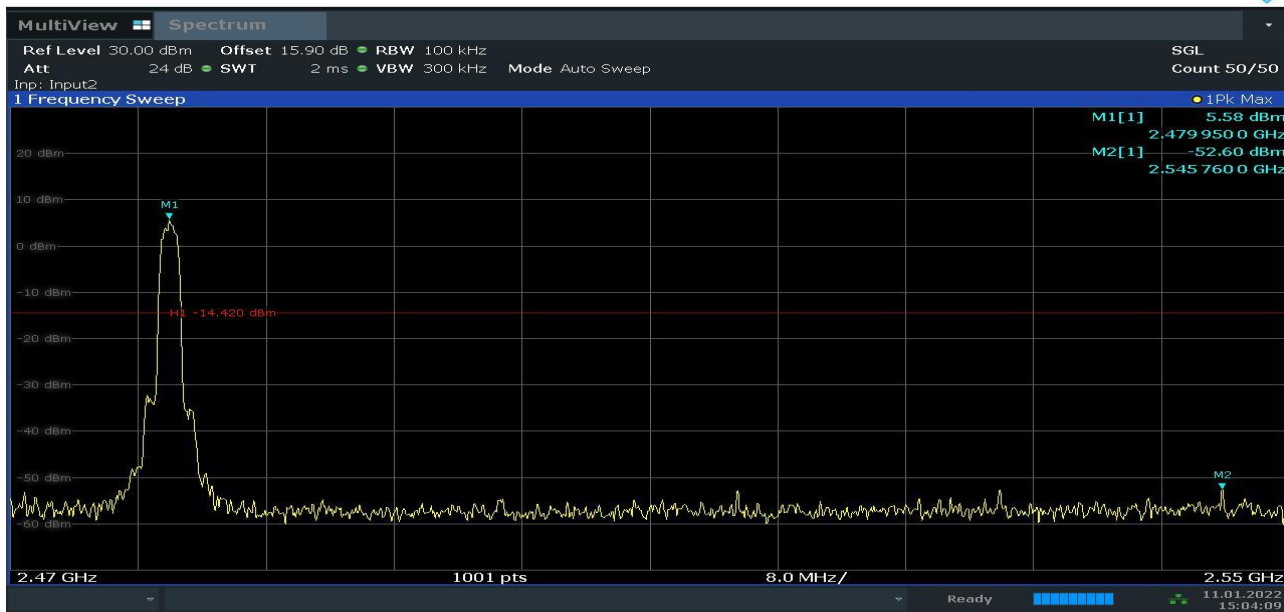
15:01:54 11.01.2022



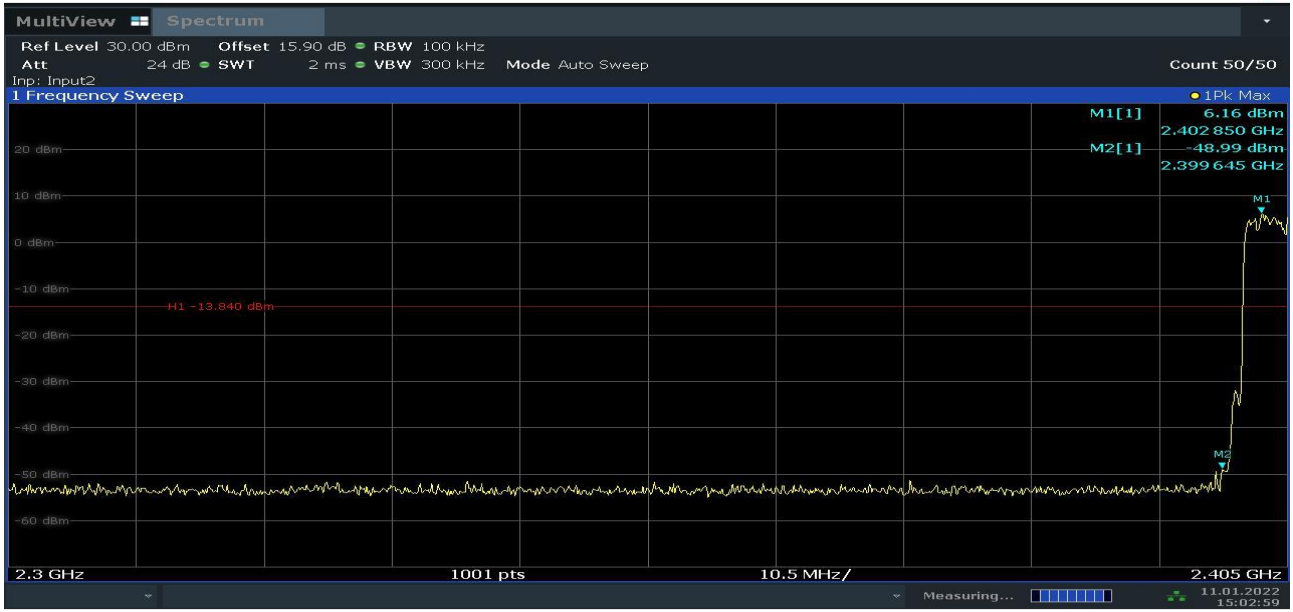
### TM2\_Ant1\_Low\_2402



### TM2\_Ant1\_High\_2480

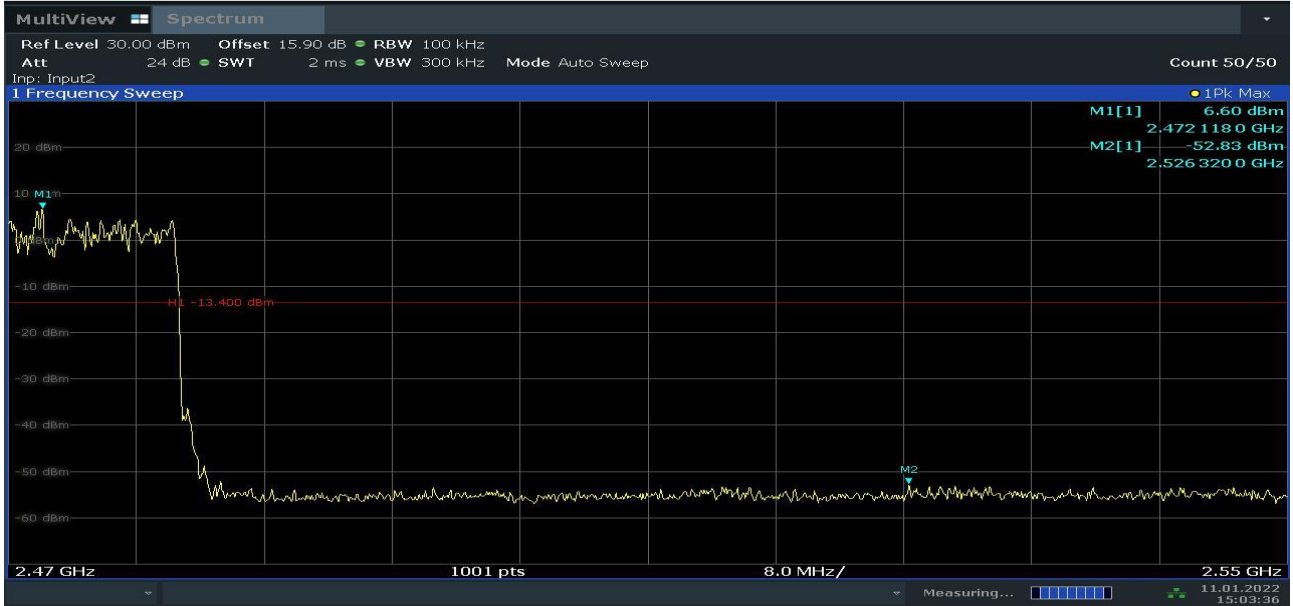


TM2\_Ant1\_Low\_Hop\_2402



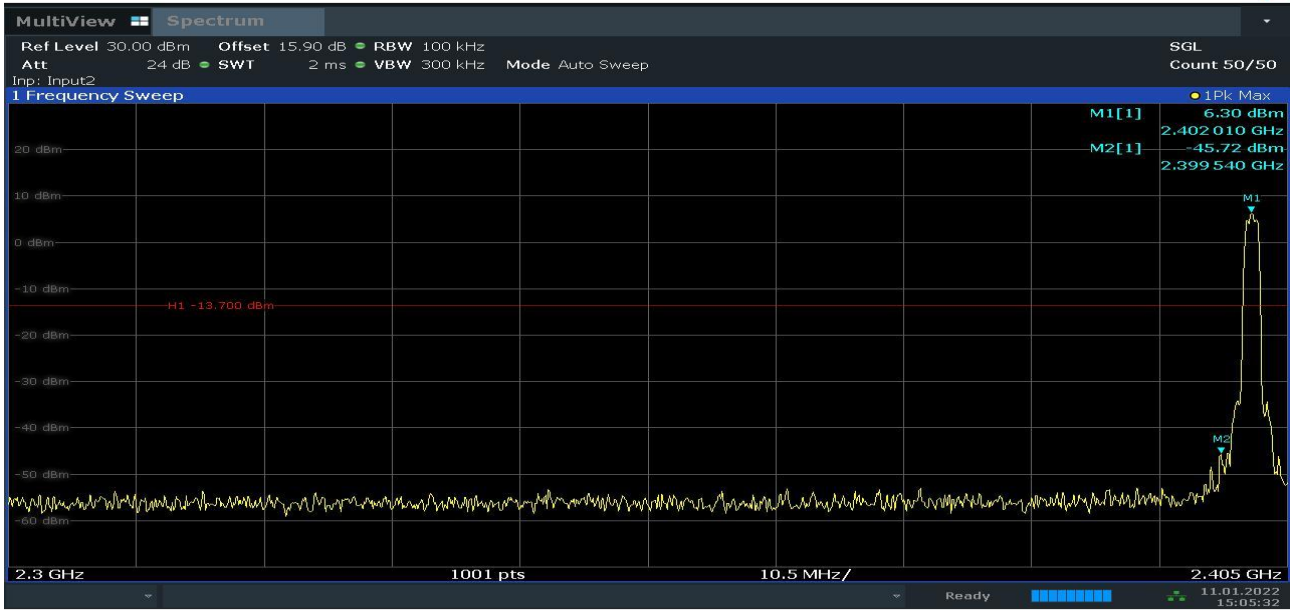
15:03:00 11.01.2022

TM2\_Ant1\_High\_Hop\_2480



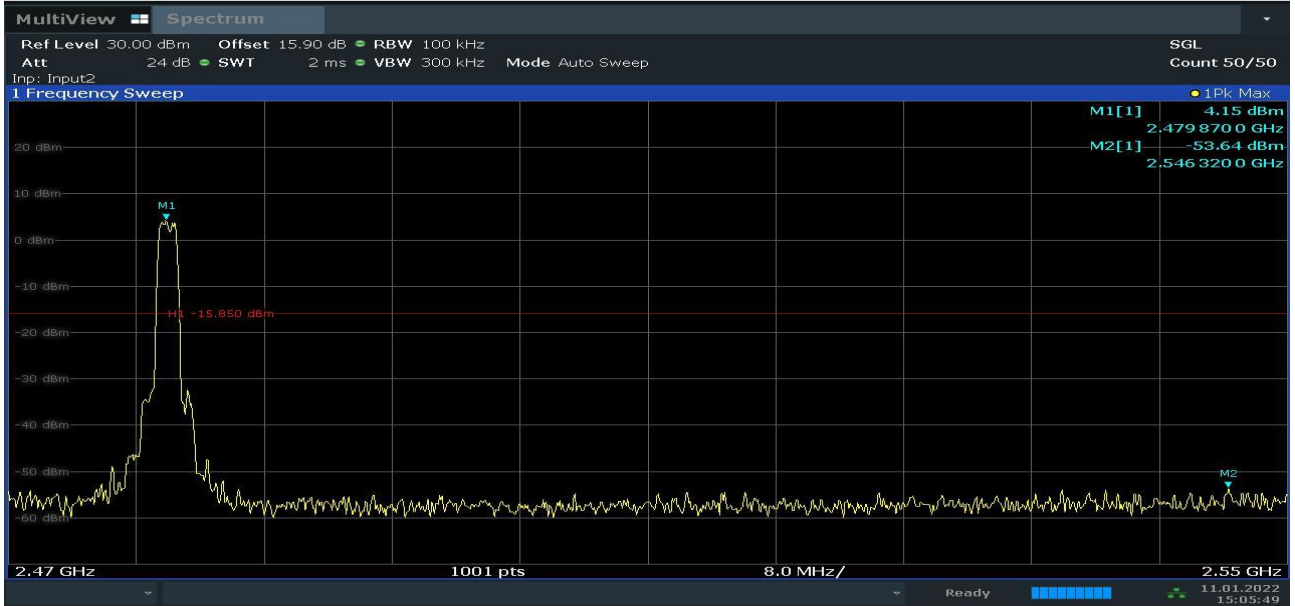
15:03:36 11.01.2022

TM3\_Ant1\_Low\_2402



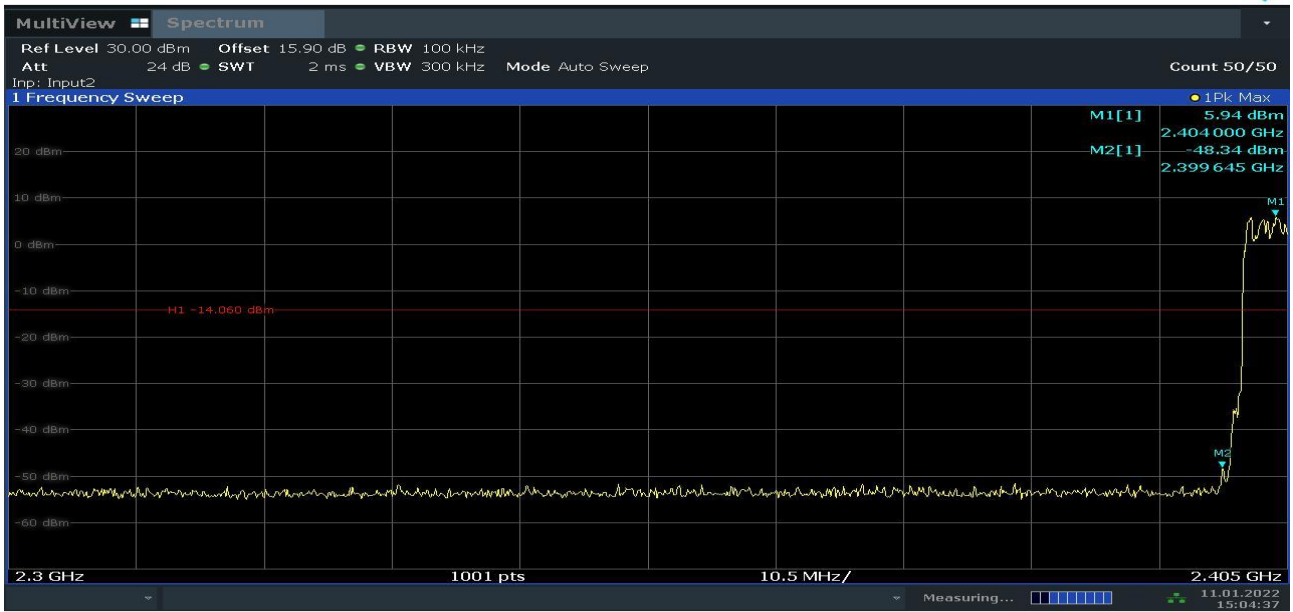
15:05:32 11.01.2022

TM3\_Ant1\_High\_2480



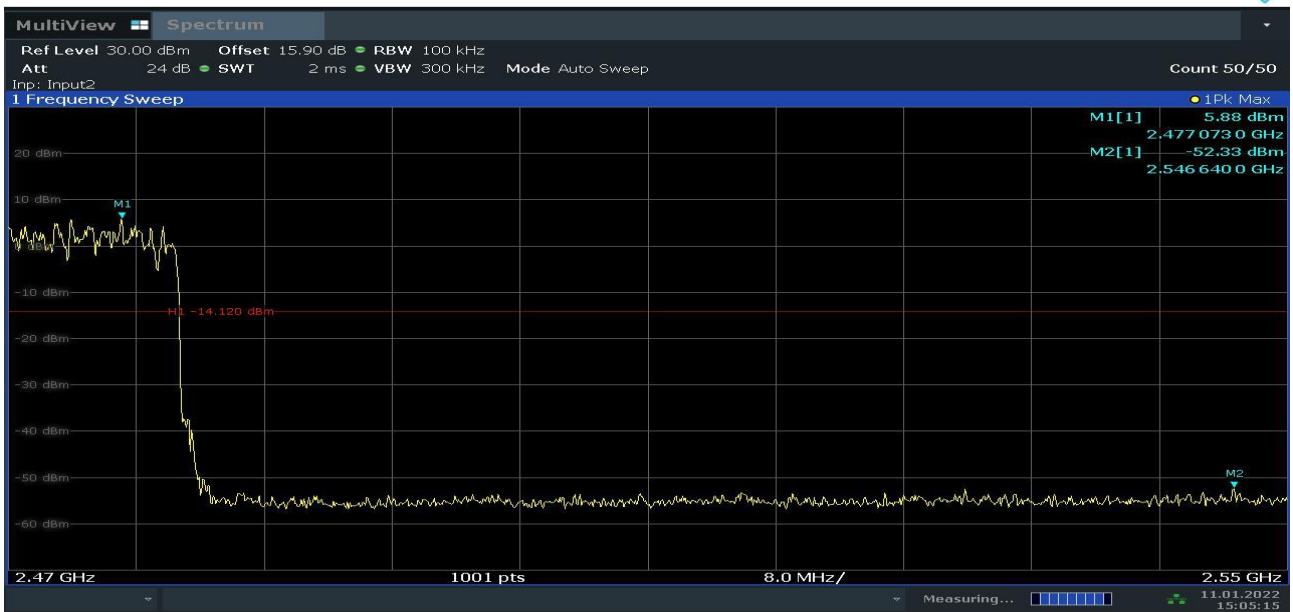
15:05:50 11.01.2022

TM3\_Ant1\_Low\_Hop\_2402



15:04:37 11.01.2022

TM3\_Ant1\_High\_Hop\_2480



15:05:16 11.01.2022

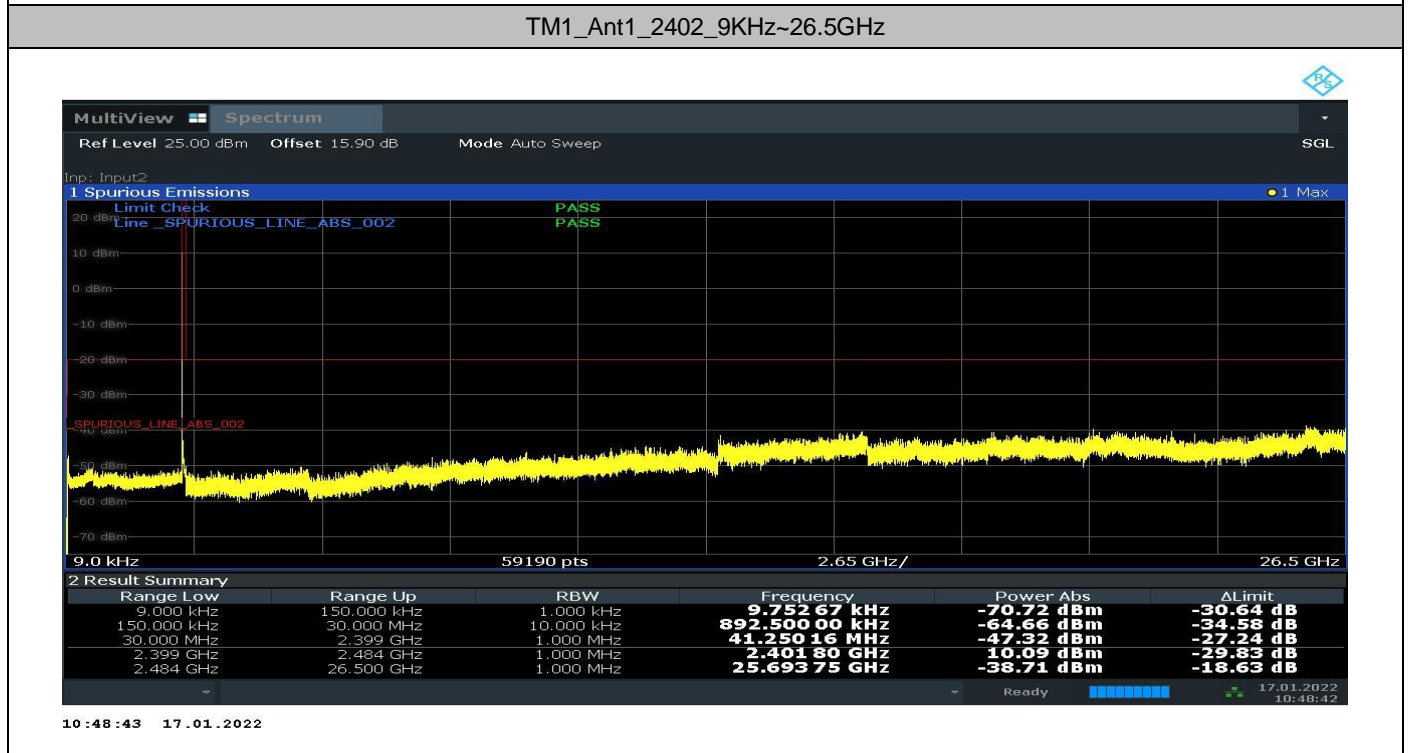
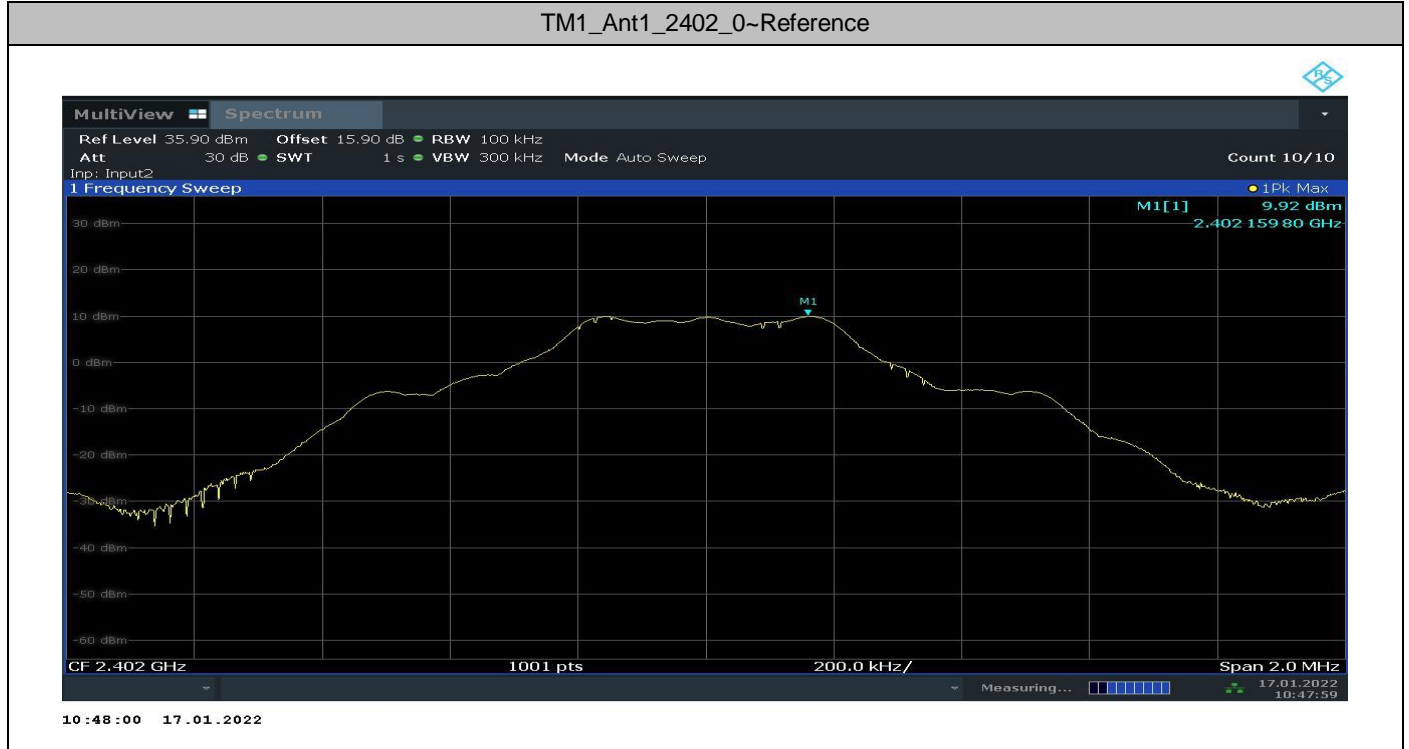


## 8. Appendix G: Conducted Spurious Emission

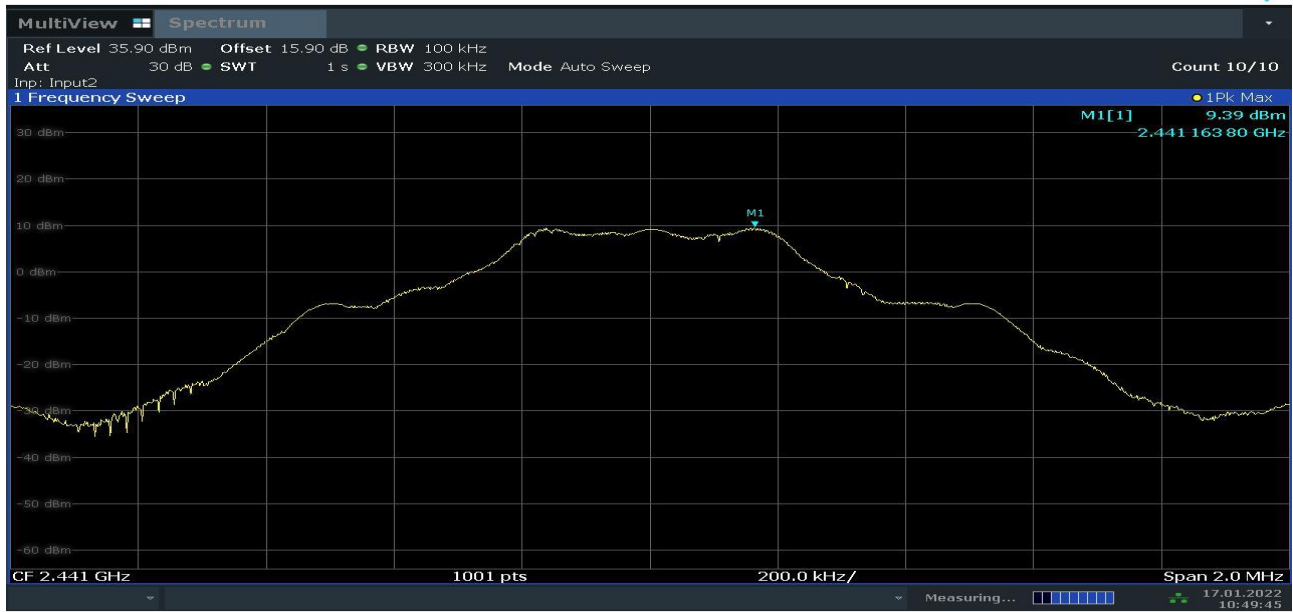
### 8.1 Test Result

TestMode	Antenna	Channel	RefLevel[dBm/100kHz]	Result[dBm]	Limit[dBm/100kHz]	Verdict
TM1	Ant1	2402	9.92	<Limit	-20.08	PASS
		2441	9.39	<Limit	-20.61	PASS
		2480	9.26	<Limit	-20.74	PASS
TM2	Ant1	2402	7.78	<Limit	-22.22	PASS
		2441	7.18	<Limit	-22.82	PASS
		2480	7.09	<Limit	-22.99	PASS
TM3	Ant1	2402	7.78	<Limit	-22.22	PASS
		2441	6.84	<Limit	-23.16	PASS
		2480	7.11	<Limit	-22.89	PASS

### 8.2 Test Graphs

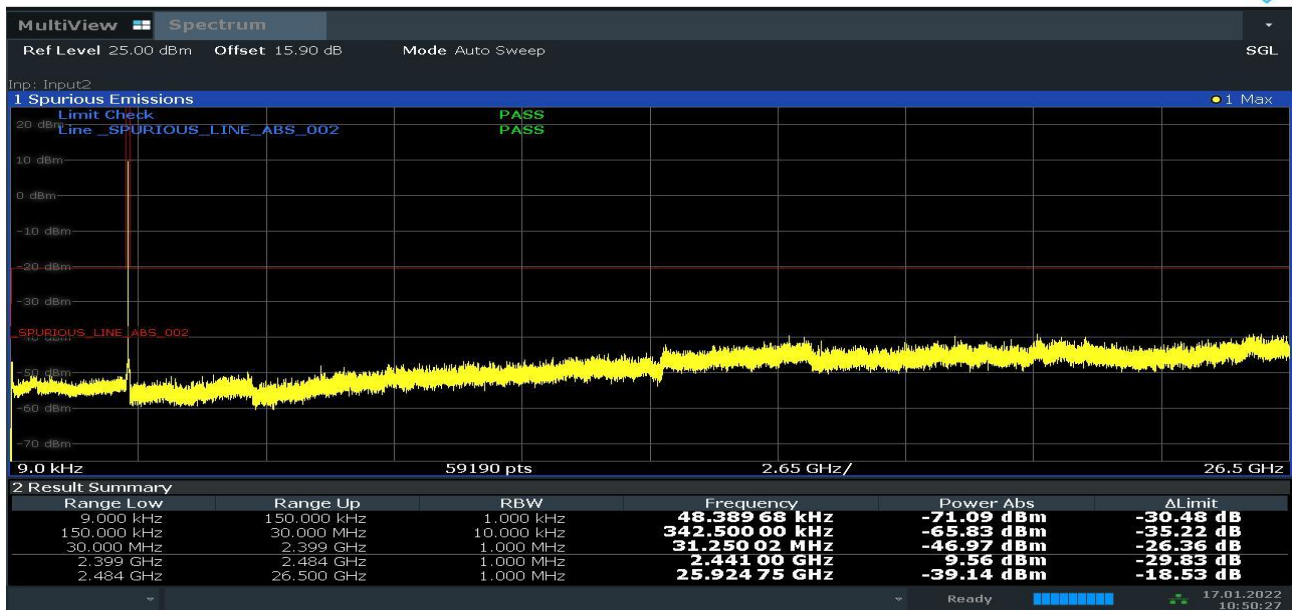


TM1\_Ant1\_2441\_0-Reference



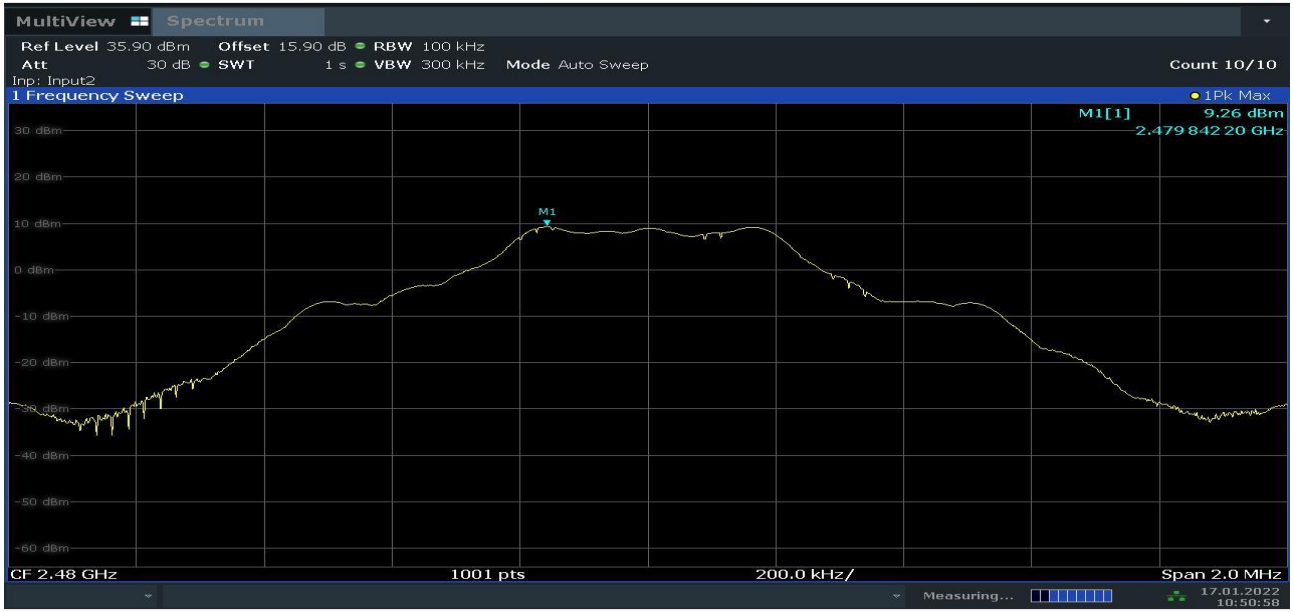
10:49:45 17.01.2022

TM1\_Ant1\_2441\_9KHz~26.5GHz



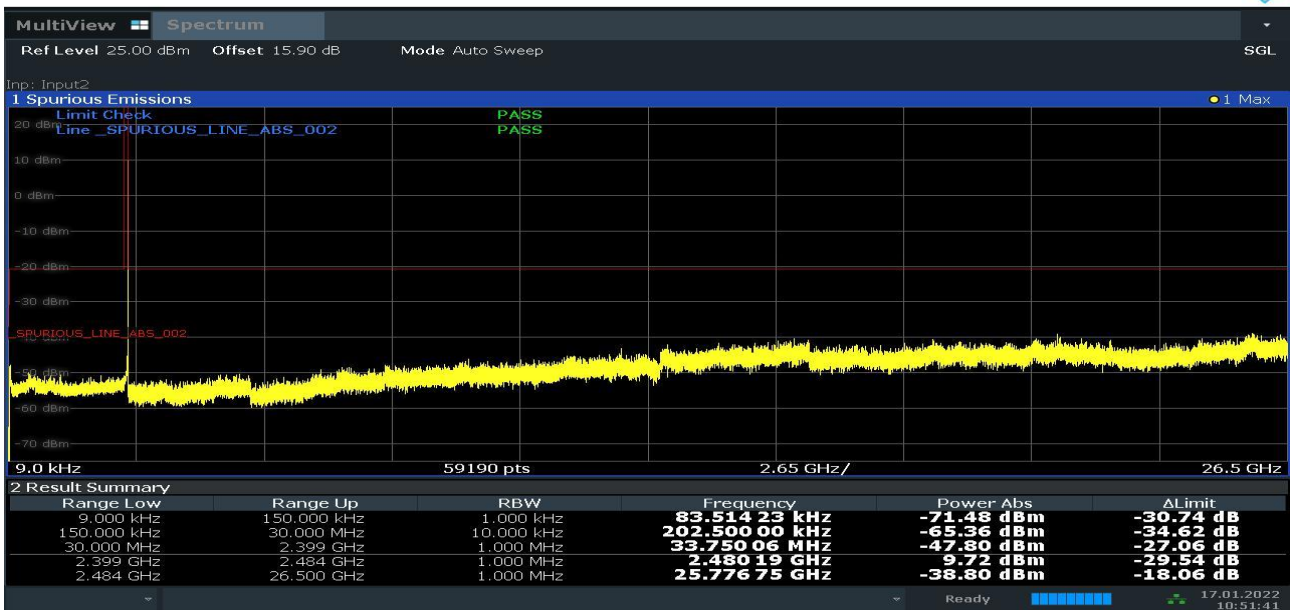
10:50:28 17.01.2022

TM1\_Ant1\_2480\_0-Reference



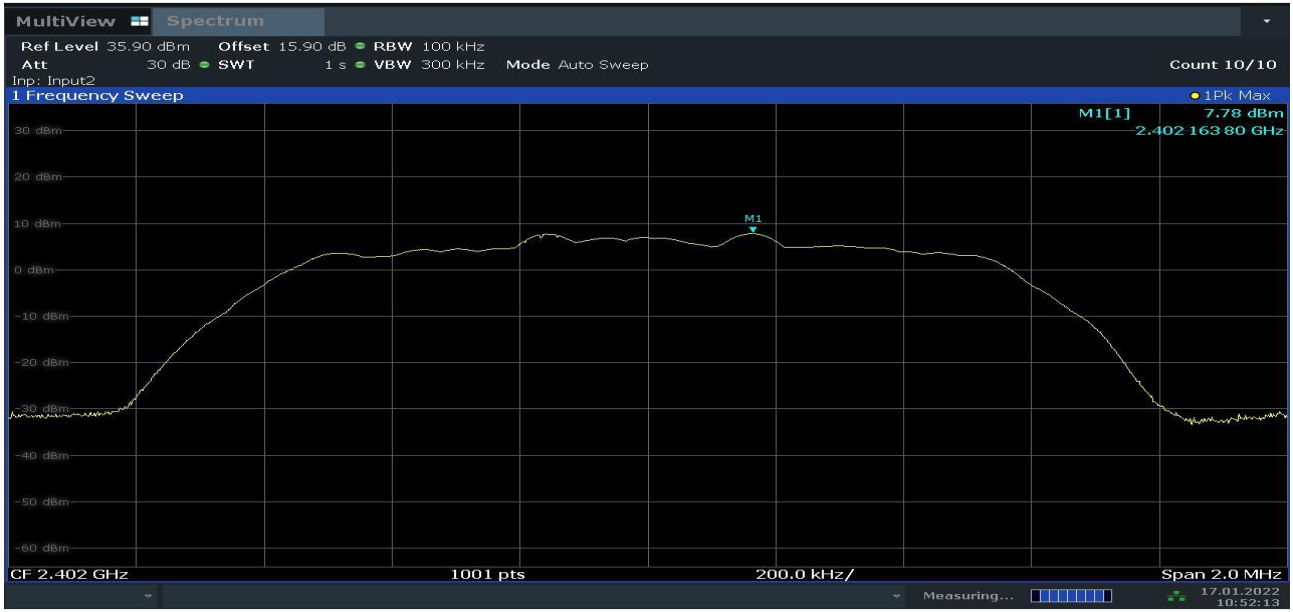
10:50:59 17.01.2022

TM1\_Ant1\_2480\_9KHz~26.5GHz



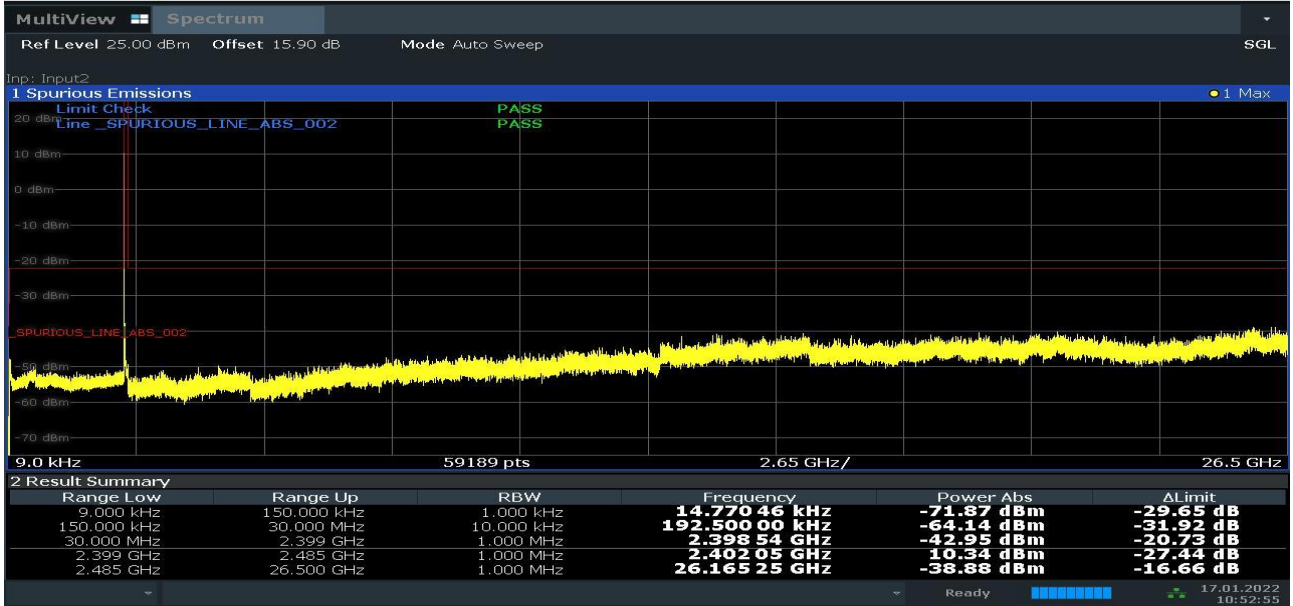
10:51:42 17.01.2022

TM2\_Ant1\_2402\_0-Reference



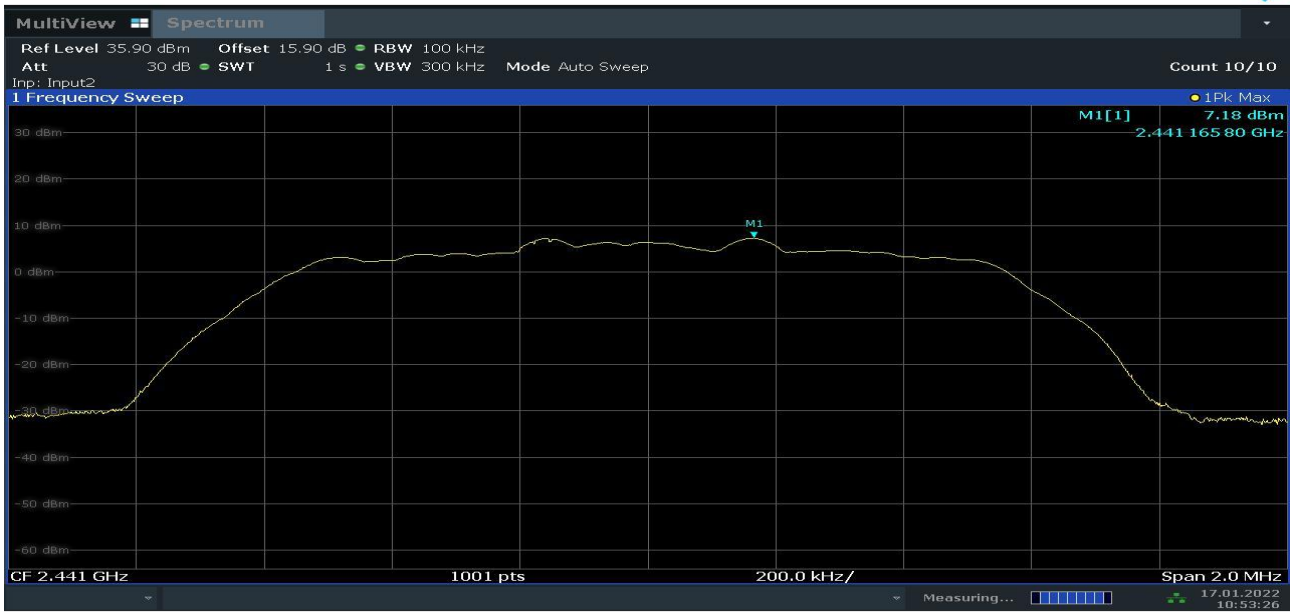
10:52:13 17.01.2022

TM2\_Ant1\_2402\_9KHz~26.5GHz



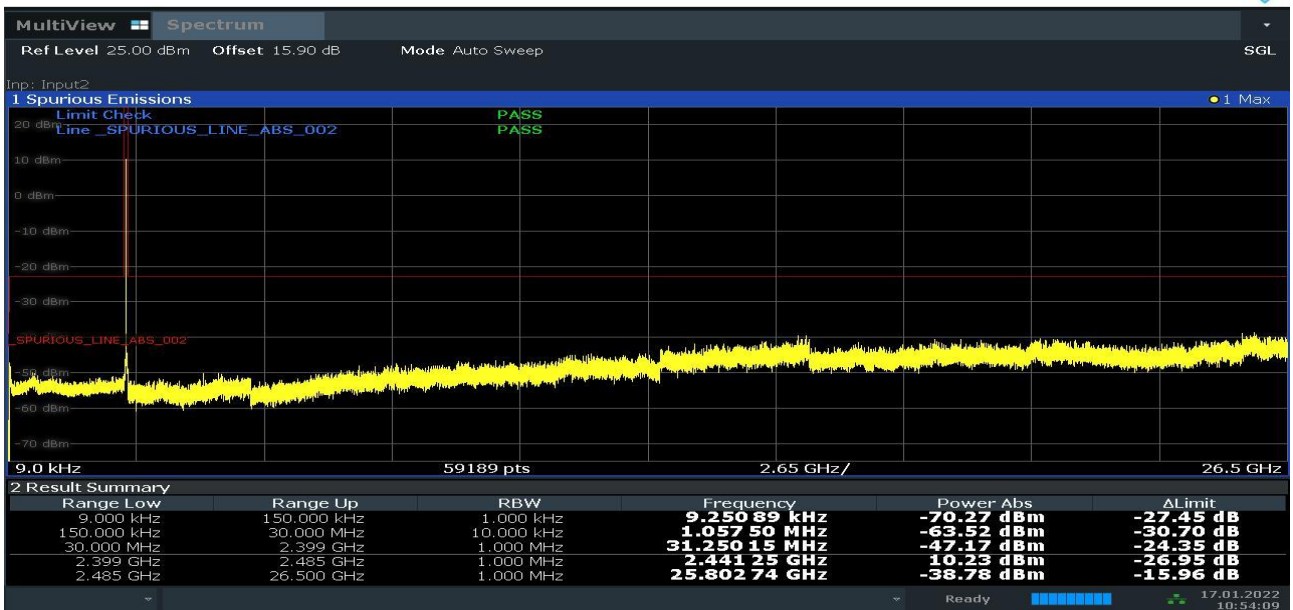
10:52:56 17.01.2022

TM2\_Ant1\_2441\_0-Reference



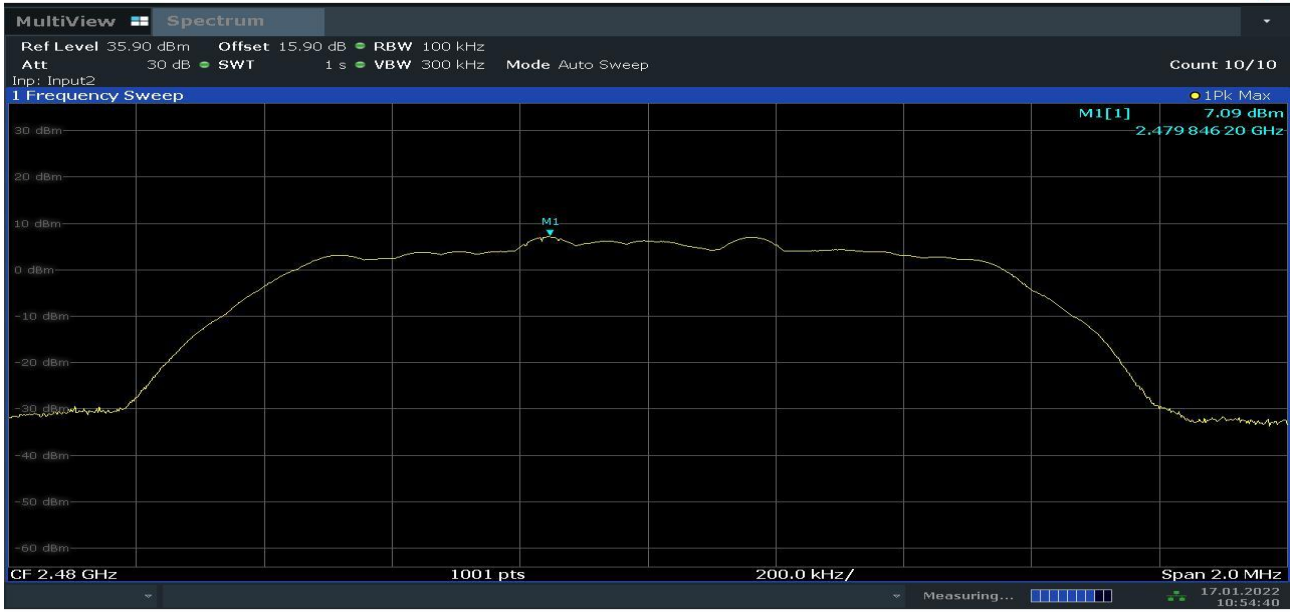
10:53:27 17.01.2022

TM2\_Ant1\_2441\_9KHz~26.5GHz



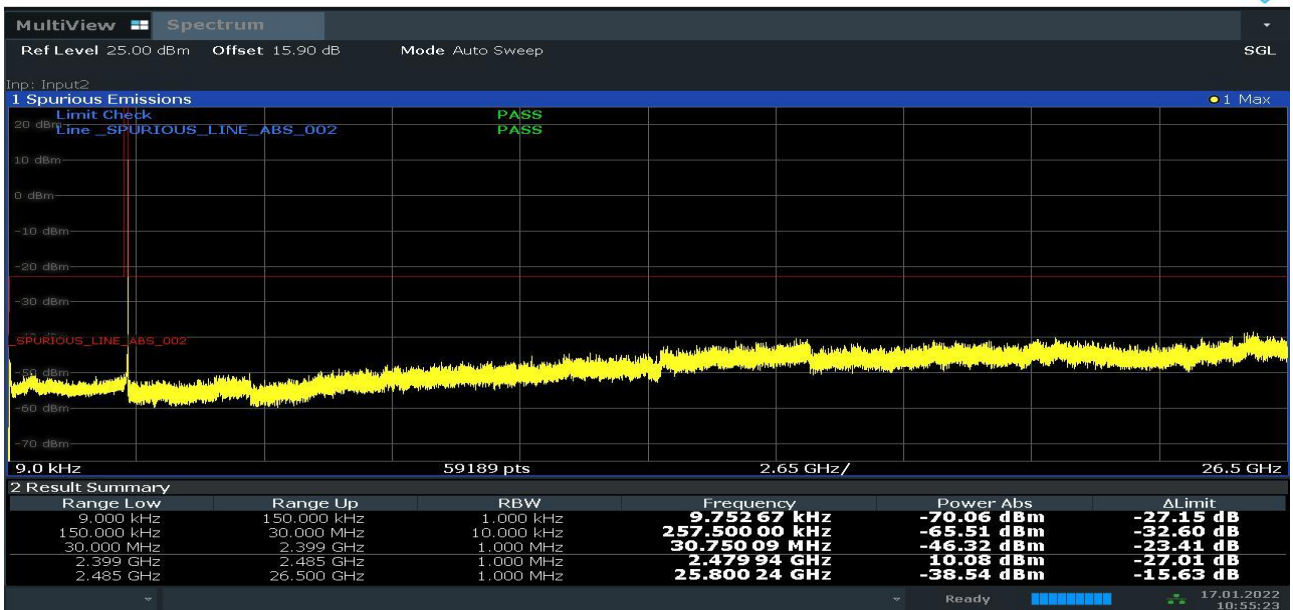
10:54:10 17.01.2022

TM2\_Ant1\_2480\_0-Reference



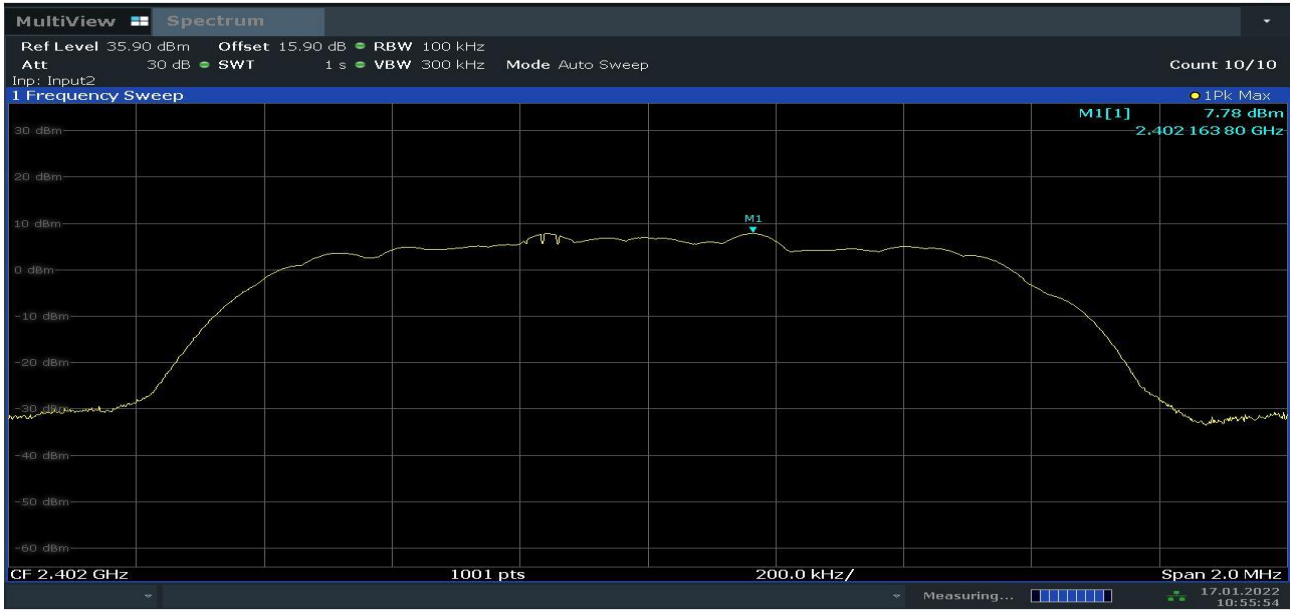
10:54:41 17.01.2022

TM2\_Ant1\_2480\_9KHz~26.5GHz



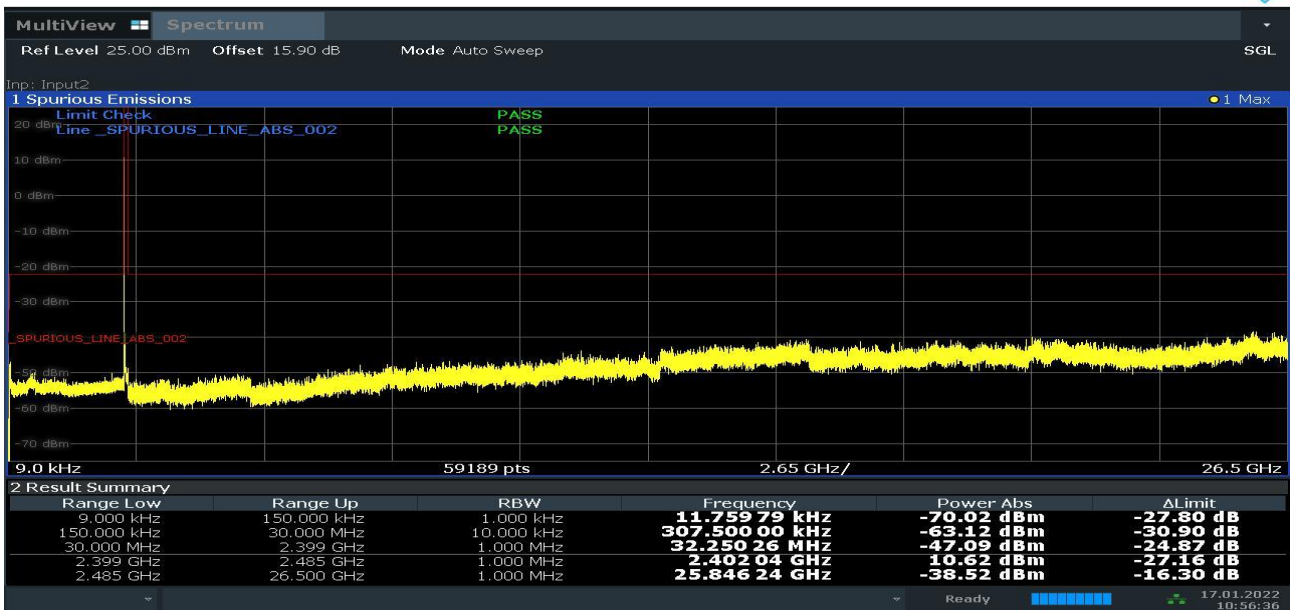
10:55:23 17.01.2022

TM3\_Ant1\_2402\_0-Reference



10:55:54 17.01.2022

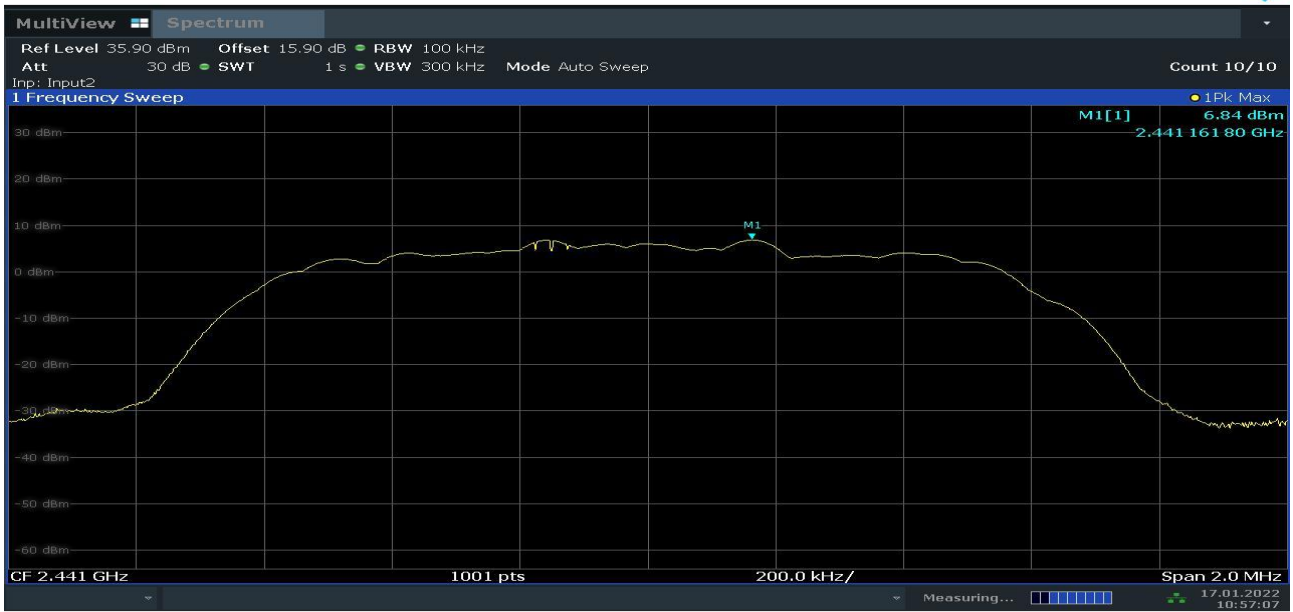
TM3\_Ant1\_2402\_9KHz~26.5GHz



10:56:37 17.01.2022

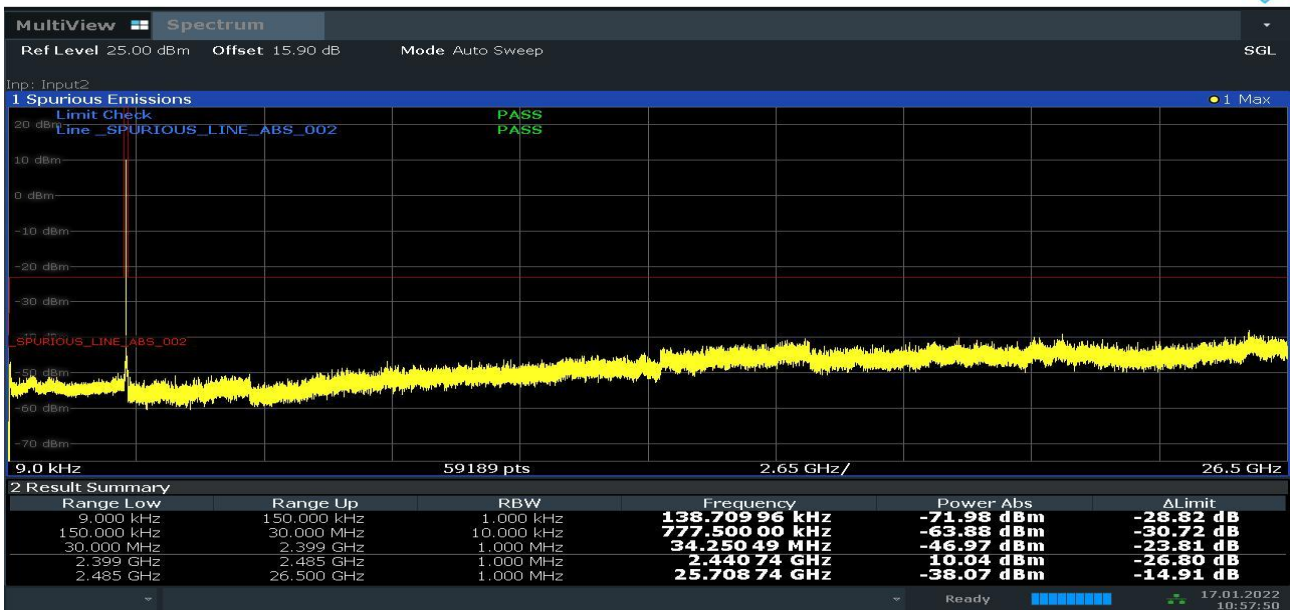


TM3\_Ant1\_2441\_0-Reference



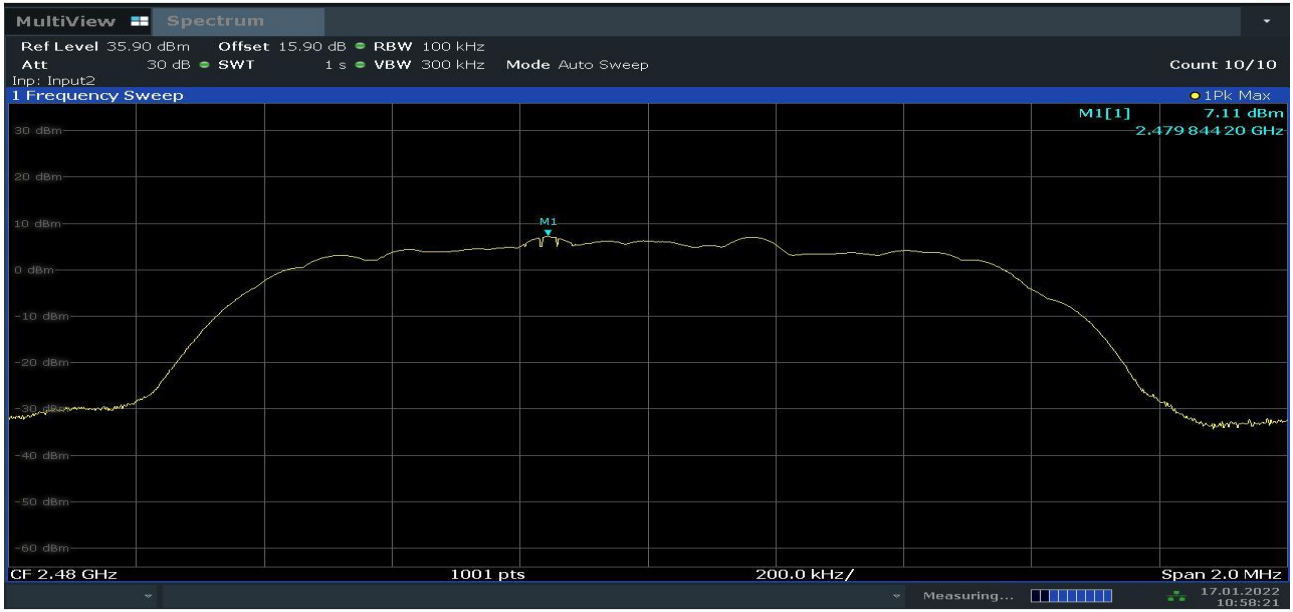
10:57:08 17.01.2022

TM3\_Ant1\_2441\_9KHz~26.5GHz



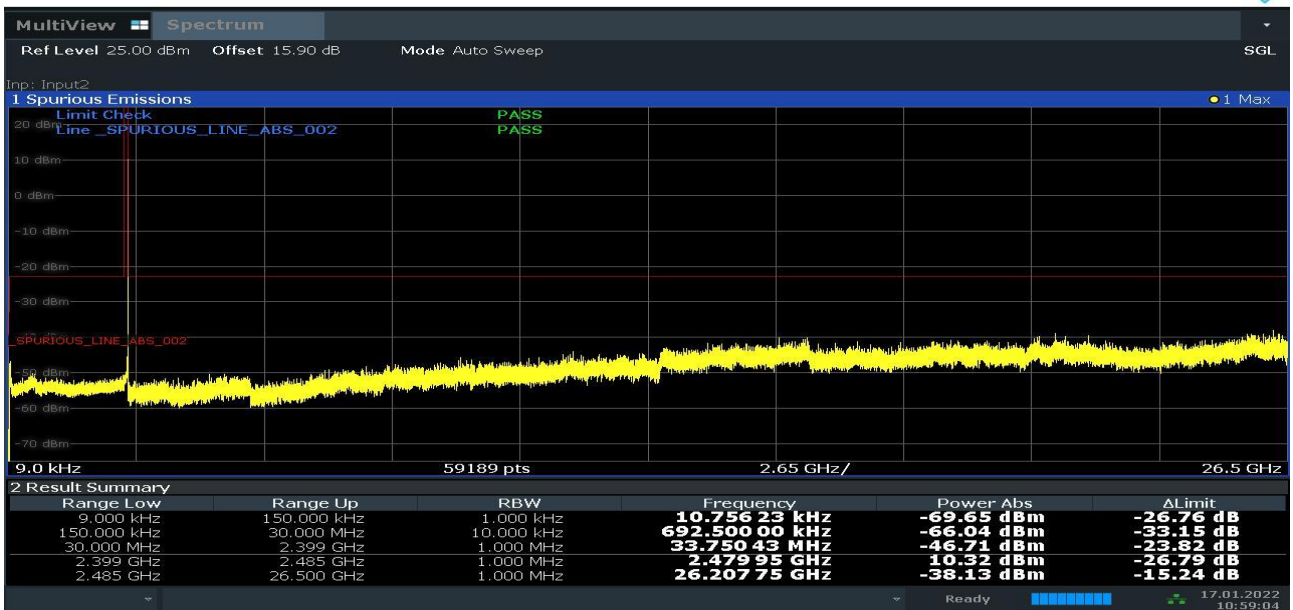
10:57:51 17.01.2022

TM3\_Ant1\_2480\_0-Reference



10:58:22 17.01.2022

TM3\_Ant1\_2480\_9KHz~26.5GHz



10:59:04 17.01.2022

## 9. Appendix H: Radiated Spurious Emission & Spurious in Restricted Band

Note:

1. We tested all modes & antennas, the data presented below is the worst case.
2. The simultaneous transmission has been considered
3. The whole testing range is from “9 KHz to 26.5 GHz (10th harmonics)” is divided into 5 parts according to the test site settings, which are:
  - (Part 1): Test range of “9 KHz to 30 MHz”, RBW =9 kHz, VBW = 30 kHz
  - (Part 2): Test range of “30 GHz to 1 GHz”, RBW = 100 kHz, VBW = 300 kHz.
  - (Part 3): Test range of “1 GHz to 3 GHz”. RBW = 1 MHz, VBW = 3 MHz.
  - (Part 4): Test range of “3 GHz to 18 GHz”, RBW = 1 MHz, VBW = 3 MHz.
  - (Part 5): Test range of “18 GHz to 26.5 GHz”. RBW = 1 MHz, VBW = 3 MHz.

### 9.1. Test Results

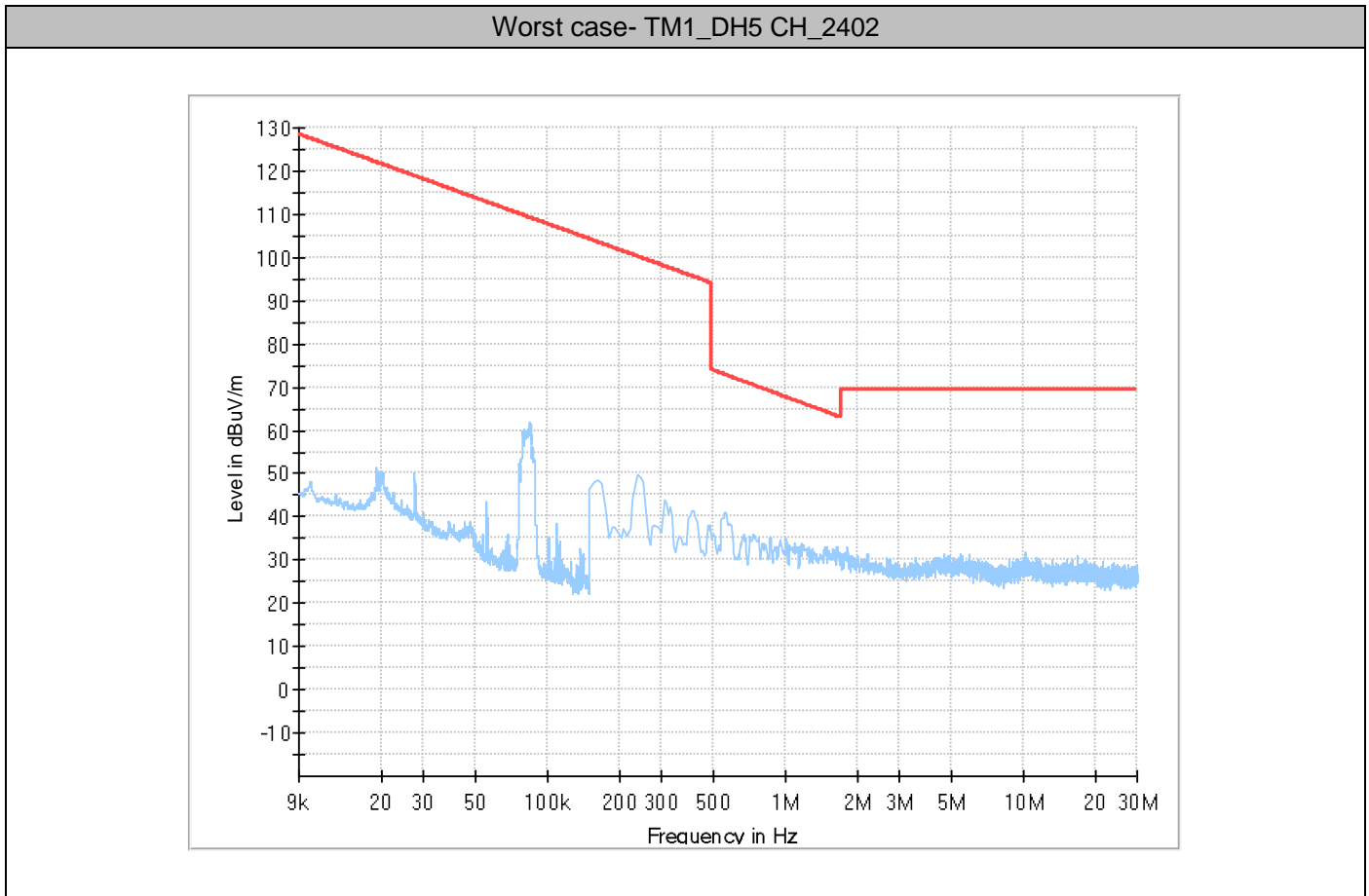
#### 9.1.1. BT-FHSS

Test Mode	Antenna	Test Channel	Spurious Emissions Result	Spurious Emissions Limit	Verdict
TM1_DH5	Ant1	2402	(see Test Graphs)	(see Test Graphs)	PASS
	Ant1	2480	(see Test Graphs)	(see Test Graphs)	PASS

## 9.2. Test Graphs

### 9.2.1. Part 1: Testing Range of “9 kHz to 30MHz”

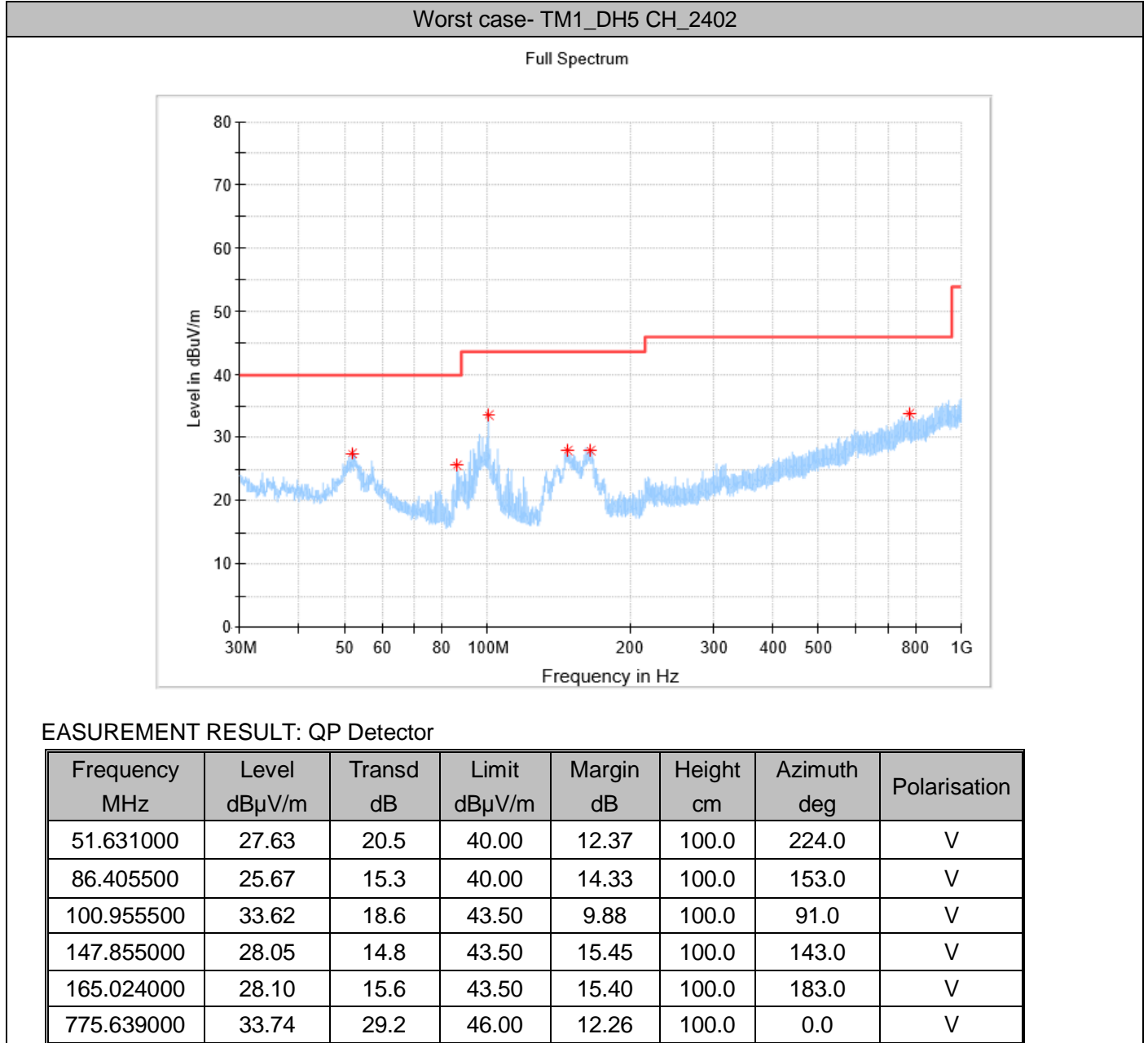
Note 1: The test results and plot for testing range of “9 kHz to 30MHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.



**9.2.2. Part 2: Testing Range of “30 MHz to 1 GHz”**

Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



**9.2.3. Part 3: Testing Range of “1 GHz to 3 GHz”**

Note 1: The testing range of “1 GHz to 3 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands. The test results and plot for testing range of “1 GHz to 3 GHz” showed as below is the WORST

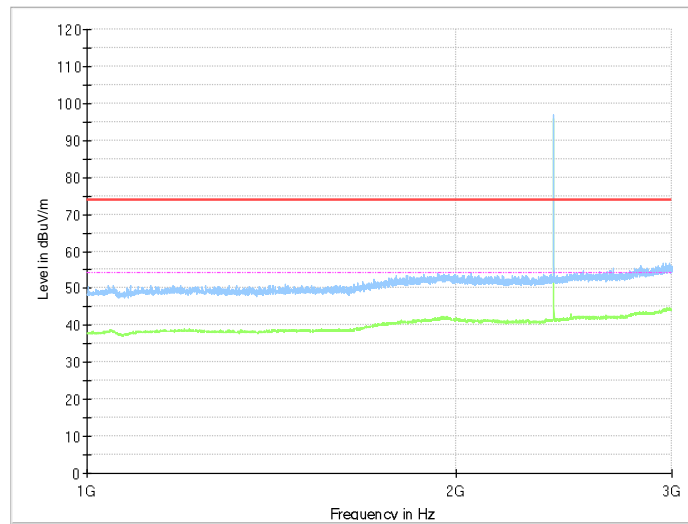
case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).

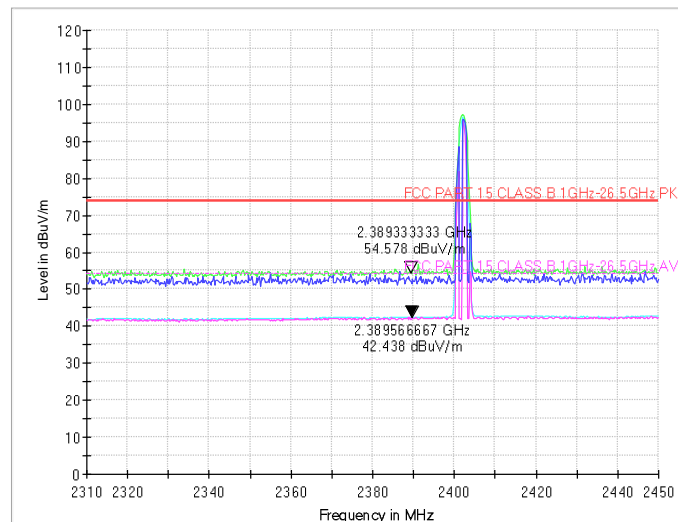
Note 3: The peak spike exceeds the limit line is EUT's operating frequency.

**9.2.3.1. TM1\_DH5**

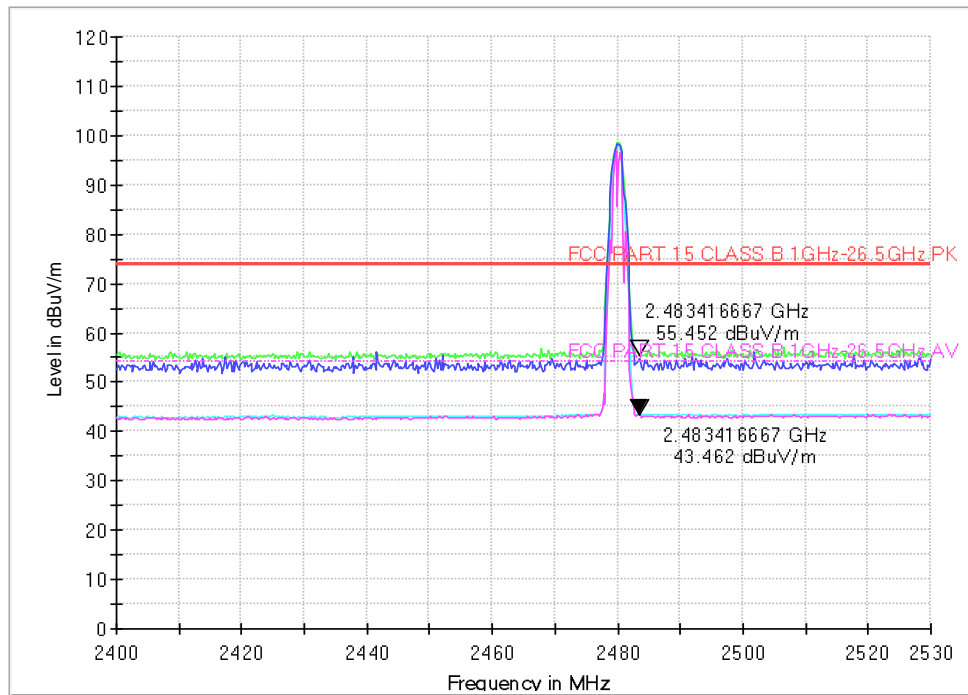
Worst case CH\_2480 (1 GHz to 3 GHz)



CH\_2402 (Band Edge)



CH\_2480 (Band Edge)

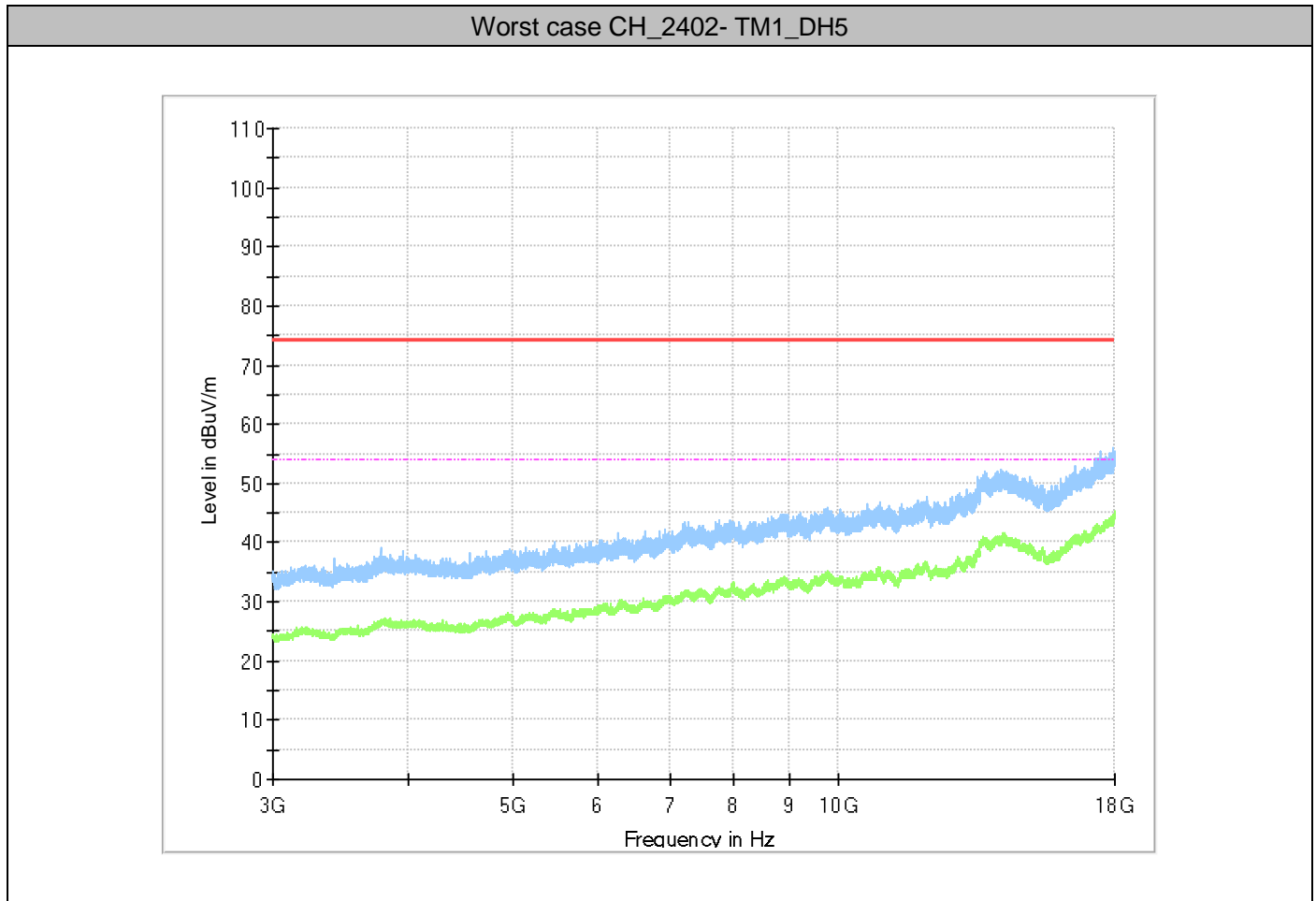


#### 9.2.4. Part 4: Testing Range of “3 GHz to 18 GHz”

Note 1: The test results and plot for testing range of “3 GHz to 18 GHz” showed as below is the worst case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The testing range of “3 GHz to 18 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).



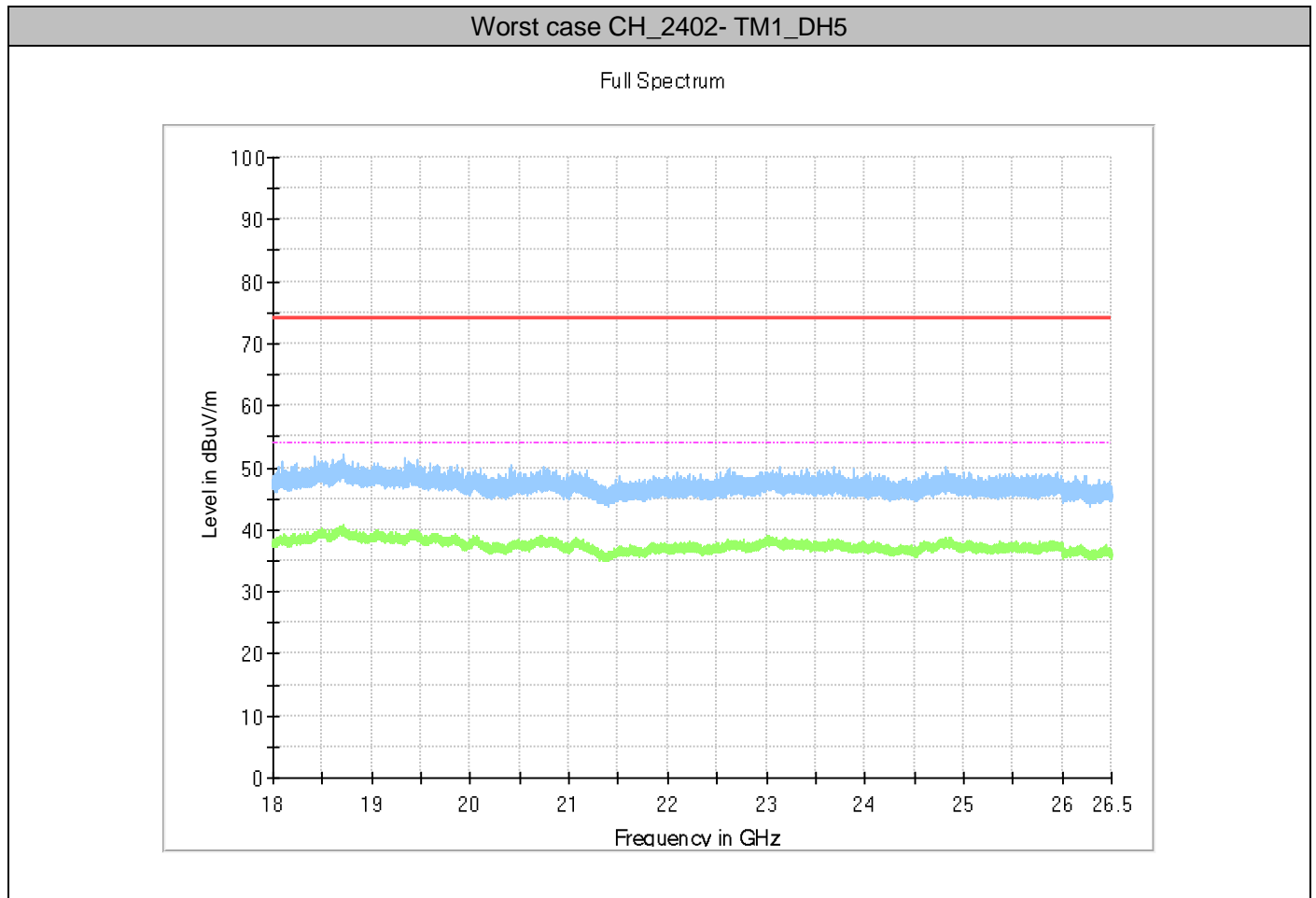


**9.2.5. Part 5: Testing Range of “18 GHz to 26.5 GHz”**

Note 1: The test results and plot for testing range of “18 GHz to 26.5 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The testing range of “18 GHz to 26.5 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB $\mu$ V/m) and Average Limit (54 dB $\mu$ V/m).



## 10. Appendix I: Conducted Emission at Power Port

Note 1: The test results and plot for testing range of “150 kHz to 30 MHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

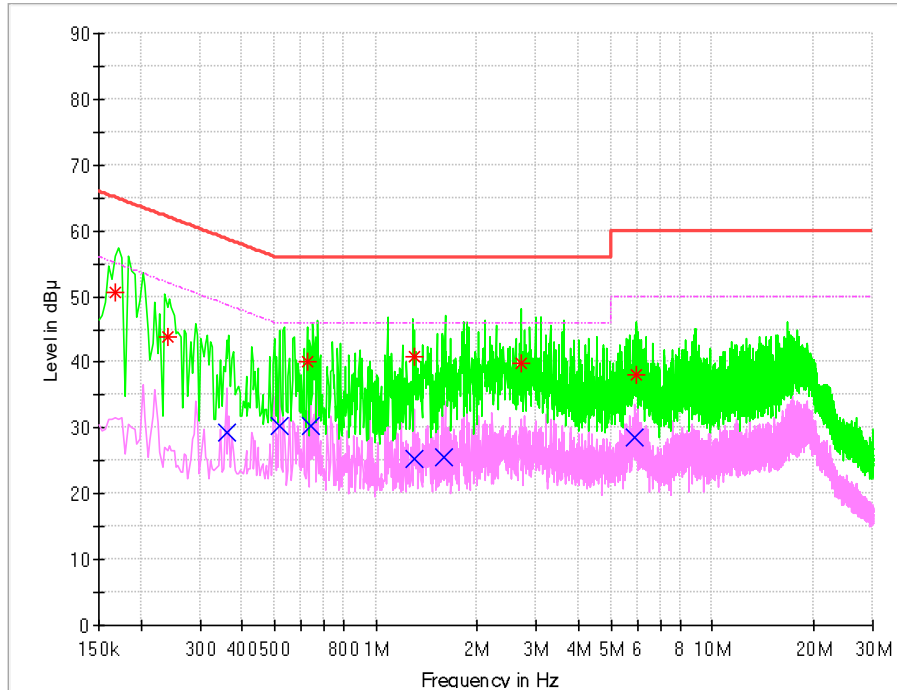
Note 2: RBW =9 kHz; VBW = 30 kHz

### 10.1. Test Results

Test Mode	Antenna	Test Channel	Maximum Emissions	Limit	Verdict
TM1_DH5	Ant1	2402	(see Test Graphs)	(see Test Graphs)	PASS

10.2. Test Graphs

Worst case CH\_2402- TM1\_DH5



MEASUREMENT RESULT: QP Detector

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Transd. (dB)	Margin (dB)	Line	PE
0.167945	50.64	65.06	9.6	14.42	L1	FLO
0.239897	43.96	62.1	9.6	18.15	L1	FLO
0.623101	40.06	56	9.6	15.94	L1	FLO
1.295944	40.81	56	9.6	15.19	L1	FLO
2.70459	39.90	56	9.6	16.10	L1	FLO
5.91884	38.03	60	9.8	21.97	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBµV)	Limit (dBµV)	Transd. (dB)	Margin (dB)	Line	PE
0.360516	29.32	48.72	9.6	19.40	L1	FLO
0.519566	30.27	46	9.6	15.73	L1	FLO
0.640303	30.24	46	9.6	15.76	L1	FLO
1.294875	25.44	46	9.6	20.56	L1	FLO
1.598686	25.66	46	9.6	20.34	L1	FLO
5.886816	28.46	50	9.8	21.54	L1	FLO

Note:

1, Level =Reading level by receiver + Transd (correcton factor + cable loss)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

---

END