

# APPENDIX REPORT

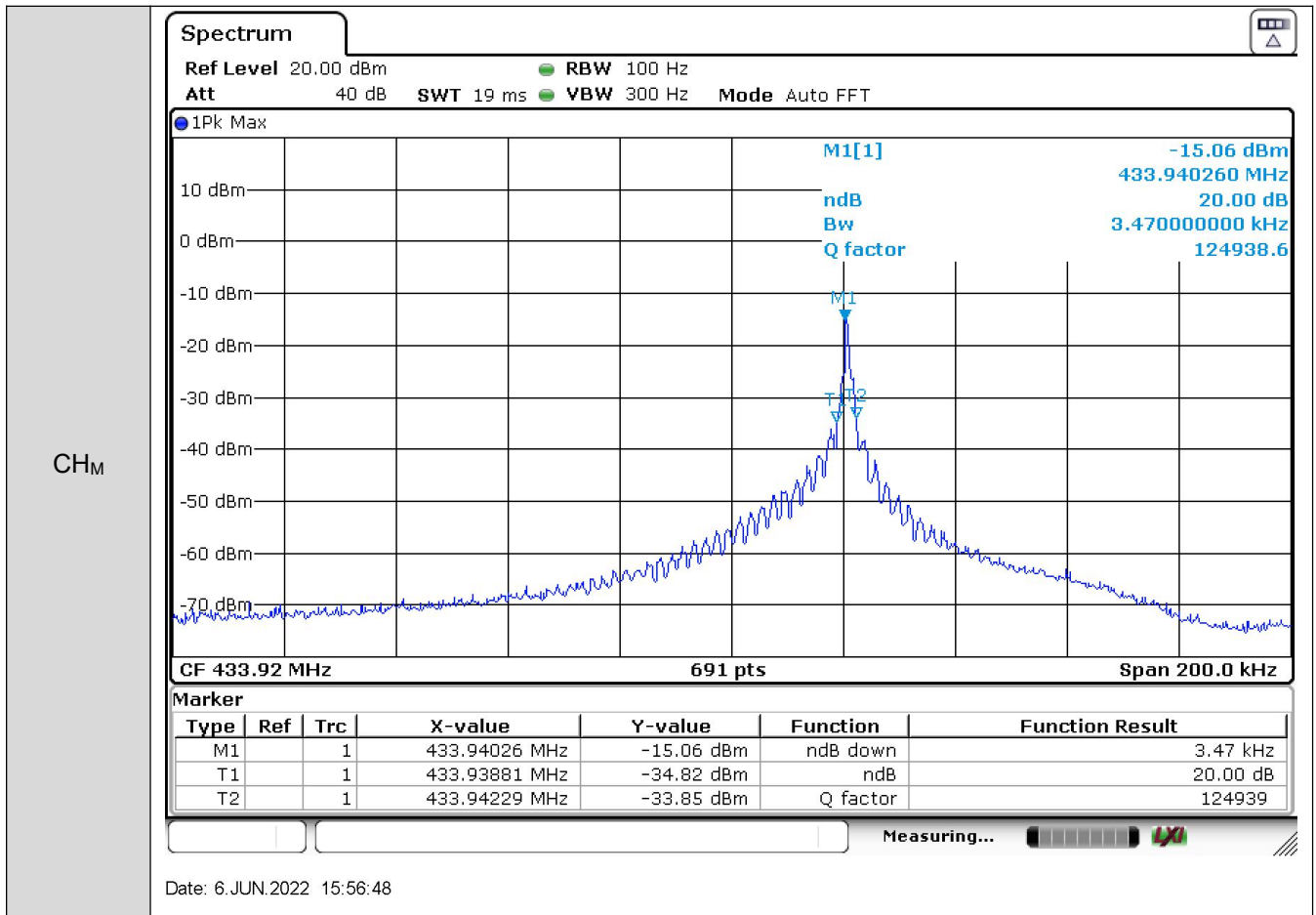
|                 |                 |             |               |
|-----------------|-----------------|-------------|---------------|
| Project No.     | SHT2205096101EW |             |               |
| Test sample No. | YPHT22050961001 | Model No.   | RM05          |
| Start test date | 2022-06-06      | Finish date | 2022-06-07    |
| Temperature     | 26.1℃           | Humidity    | 37%           |
| Test Engineer   | Hailey Chen     | Auditor     | Xiaodong Zheo |

| Appendix clause | Test item                   | Result |
|-----------------|-----------------------------|--------|
| A               | 20dB Bandwidth              | PASS   |
| B               | 99% Occupied Bandwidth      | PASS   |
| C               | Deactivation Time           | PASS   |
| D               | Duty Cycle Corrected Factor | PASS   |

**Appendix A: 20dB bandwidth**

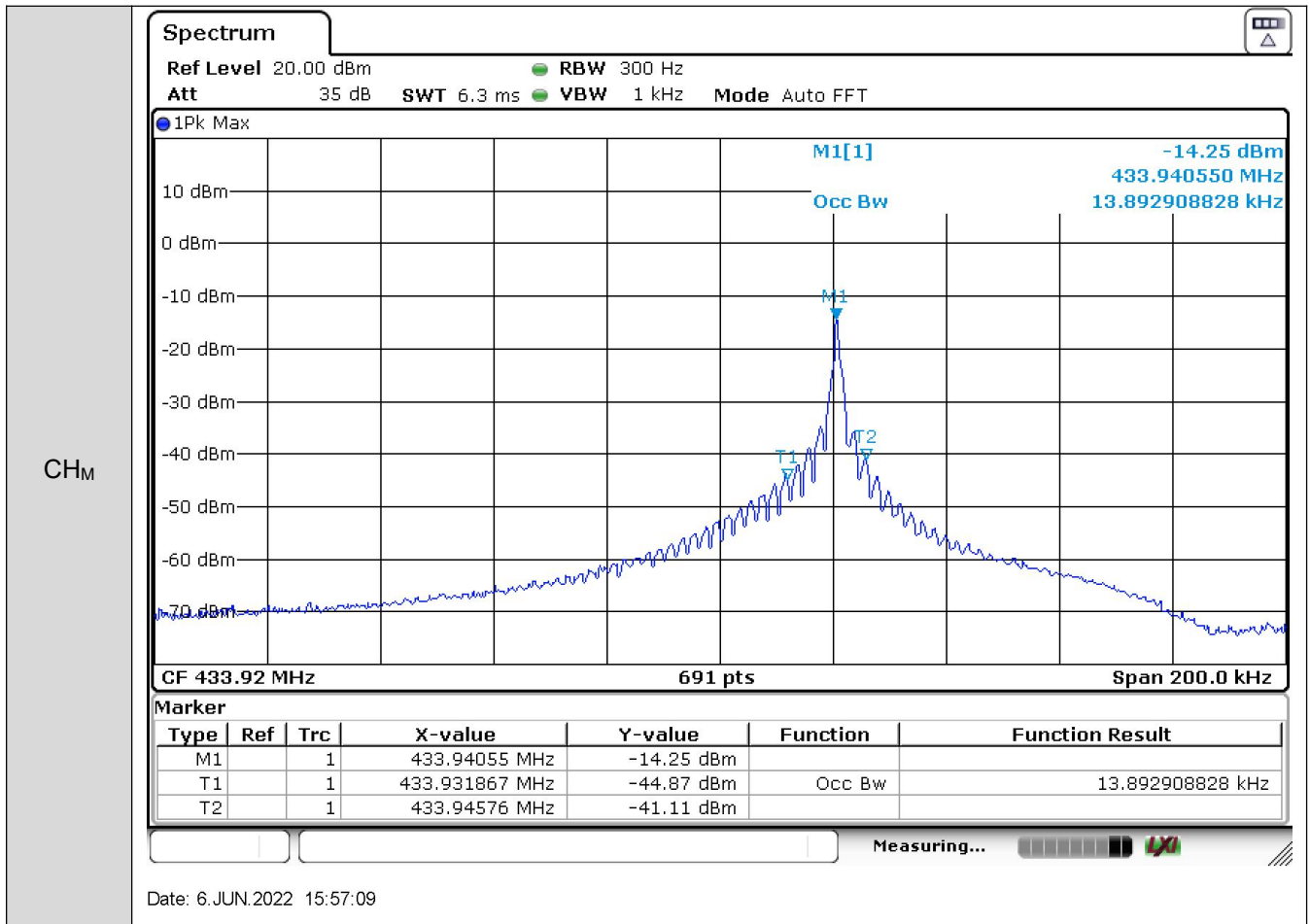
| Test Channel    | 20dB Bandwidth (kHz) | Limit (kHz) | Result |
|-----------------|----------------------|-------------|--------|
| CH <sub>M</sub> | 3.47                 | 1084.80     | Pass   |

NOTE:Limit=0.25%\*Center Frequency=1084.80 kHz



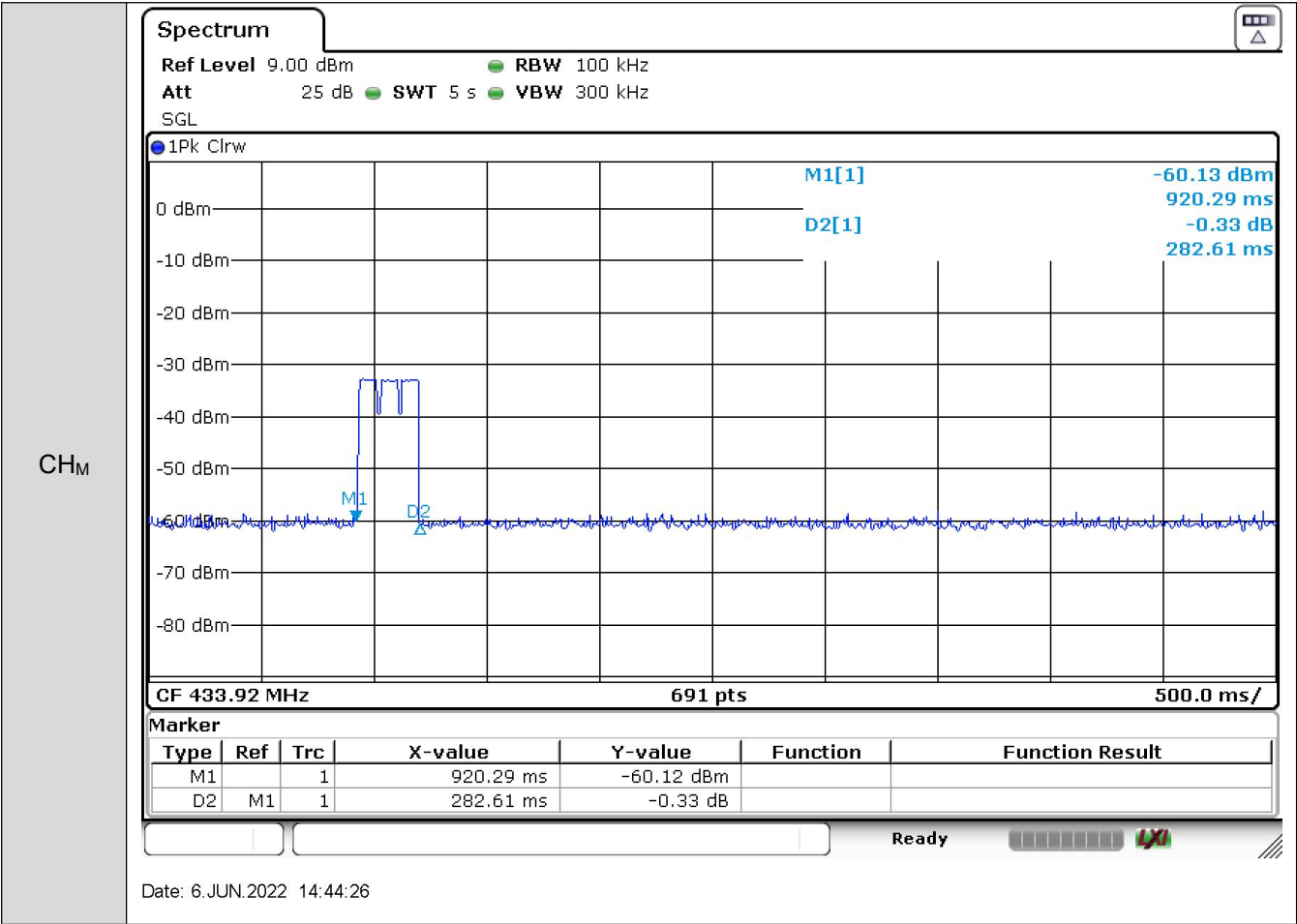
**Appendix B: 99% Occupied Bandwidth**

| Test Channel    | 99% Occupied Bandwidth (kHz) | Limit (kHz) | Result |
|-----------------|------------------------------|-------------|--------|
| CH <sub>M</sub> | 13.89                        | -           | Pass   |



Appendix C: Deactivation Time

| Transmission time (second) | Limit (second) | Result |
|----------------------------|----------------|--------|
| 0.28261                    | 5              | Pass   |

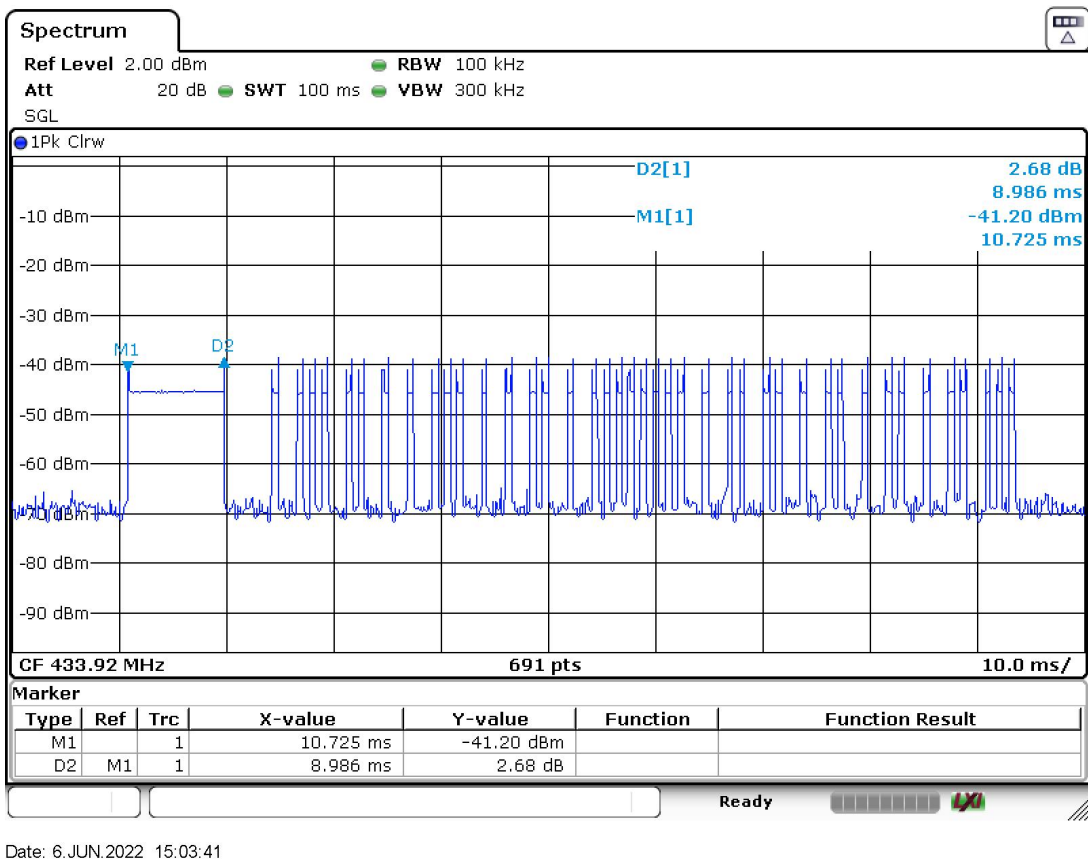


**Appendix D: Duty Cycle Corrected Factor**

|                              |                                                                           |
|------------------------------|---------------------------------------------------------------------------|
| T <sub>ON1</sub> (ms) :      | 8.9860                                                                    |
| T <sub>ON1</sub> number      | 1                                                                         |
| T <sub>ON2</sub> (ms) :      | 0.5797                                                                    |
| T <sub>ON2</sub> number      | 37                                                                        |
| T <sub>ON3</sub> (ms) :      | 0.4348                                                                    |
| T <sub>ON3</sub> number      | 4                                                                         |
| Period (ms) :                | 100                                                                       |
| Duty Cycle :                 | $= (8.9860 \times 1 + 0.5797 \times 37 + 0.4348 \times 4) / 100 = 0.3217$ |
| Duty Cycle Corrected Factor: | $= 20 \times \log(0.3217) = -9.85$                                        |

Note:

- 1) Duty cycle=  $T_{on1} \times T_{ON1 \text{ number}} + T_{on2} \times T_{ON2 \text{ number}} + T_{on3} \times T_{ON3 \text{ number}} / T_{period}$
- 2) Duty Cycle Corrected Factor/DCCF= $20 \times \log (\text{Duty Cycle})$

T<sub>ON1</sub> (ms) :T<sub>ON2</sub> (ms) :