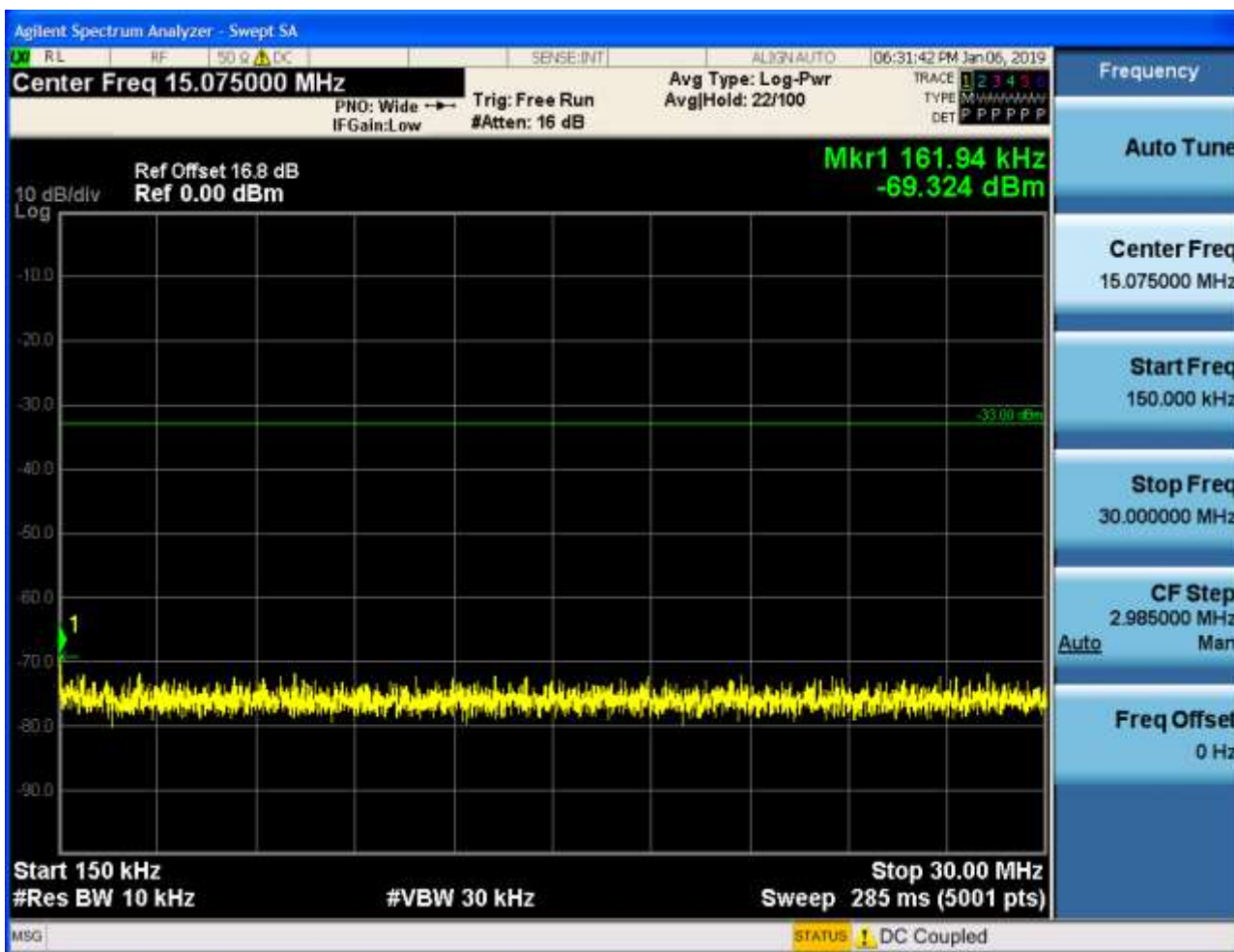




6.2.1.1.4.2 Test Channel = MCH

6.2.1.1.4.2.1 Test RB = RB1#0







6.2.1.1.4.3 Test Channel = HCH

6.2.1.1.4.3.1 Test RB = RB1#0





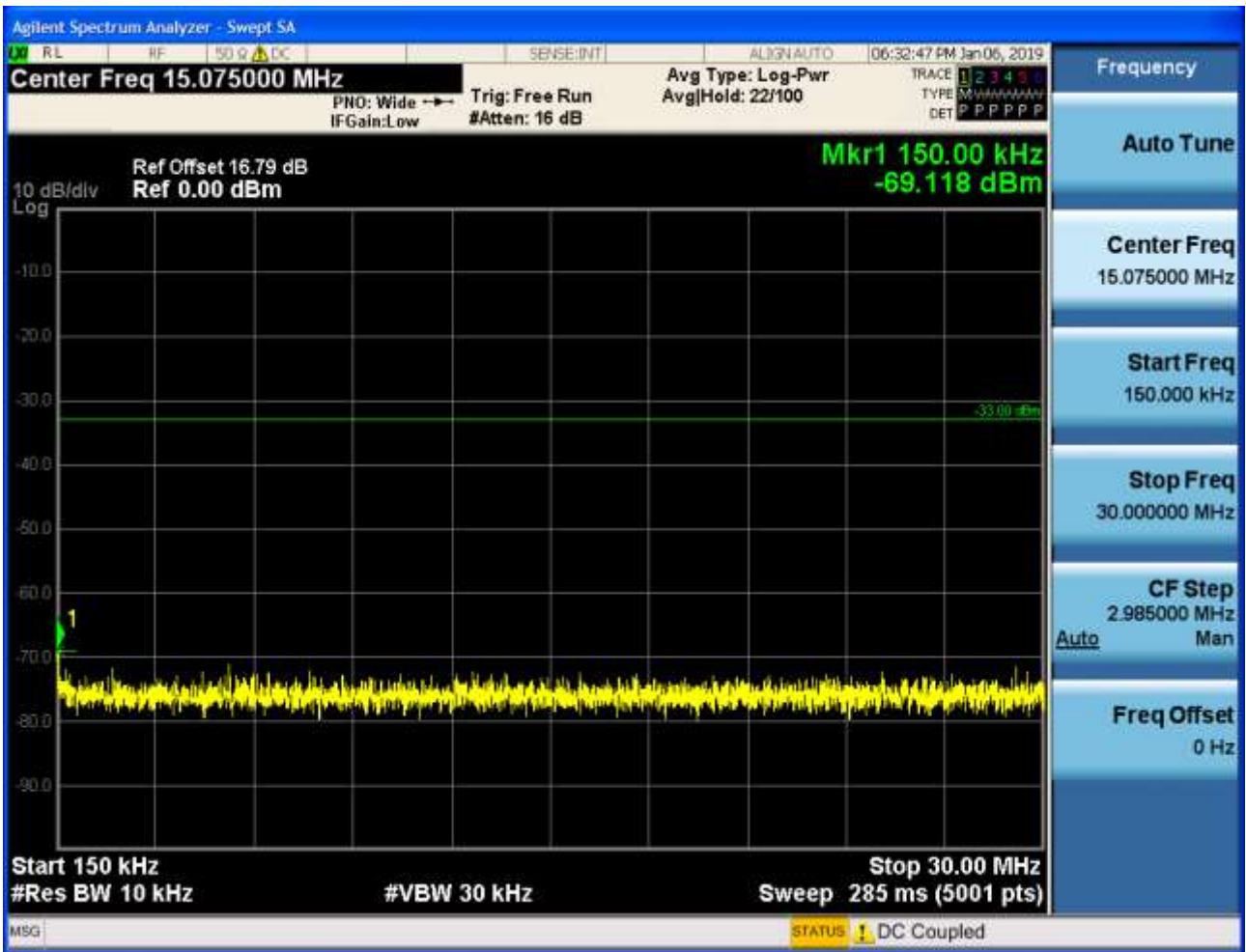


6.2.1.1.5 Test Bandwidth = 15

6.2.1.1.5.1 Test Channel = LCH

6.2.1.1.5.1.1 Test RB = RB1#0



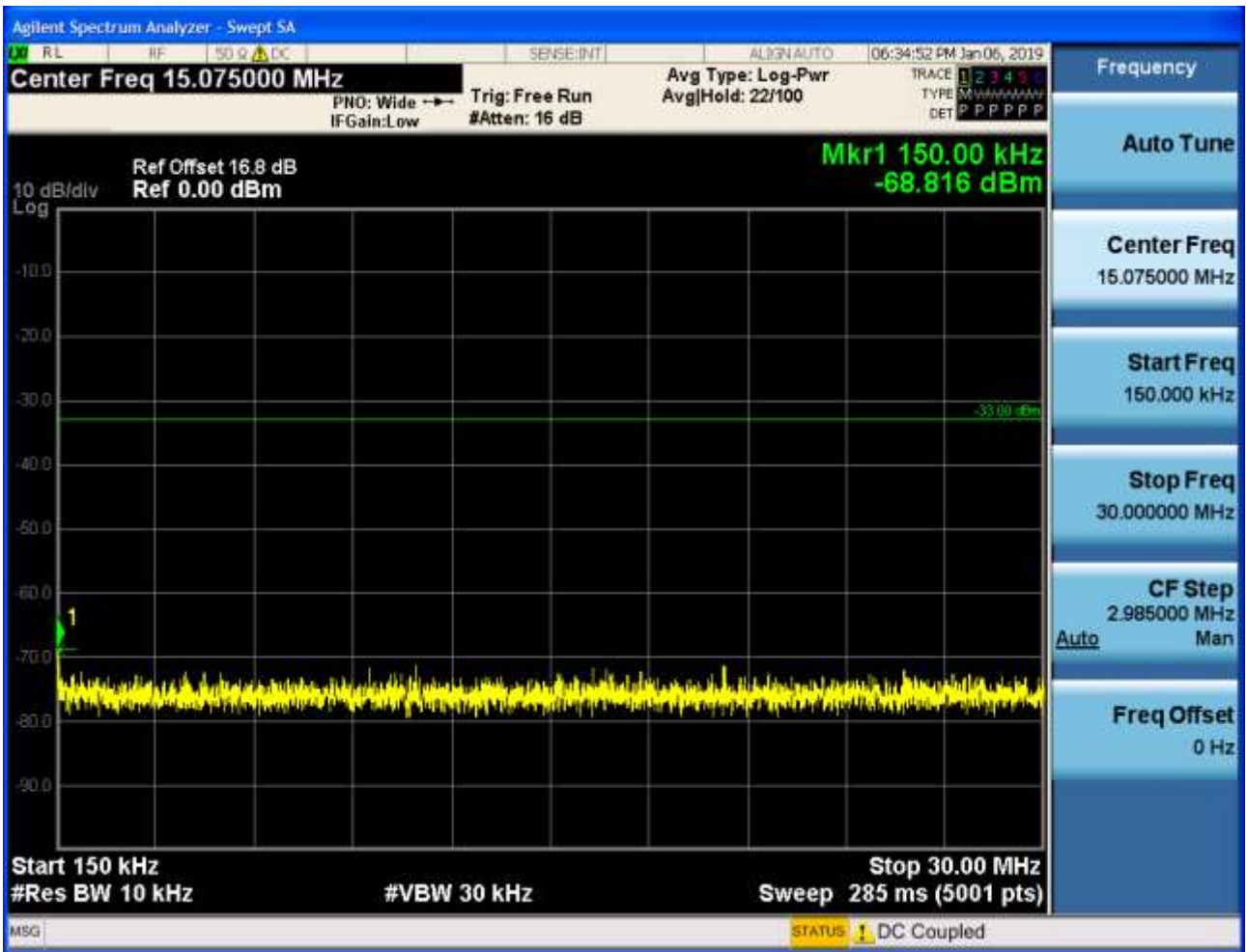


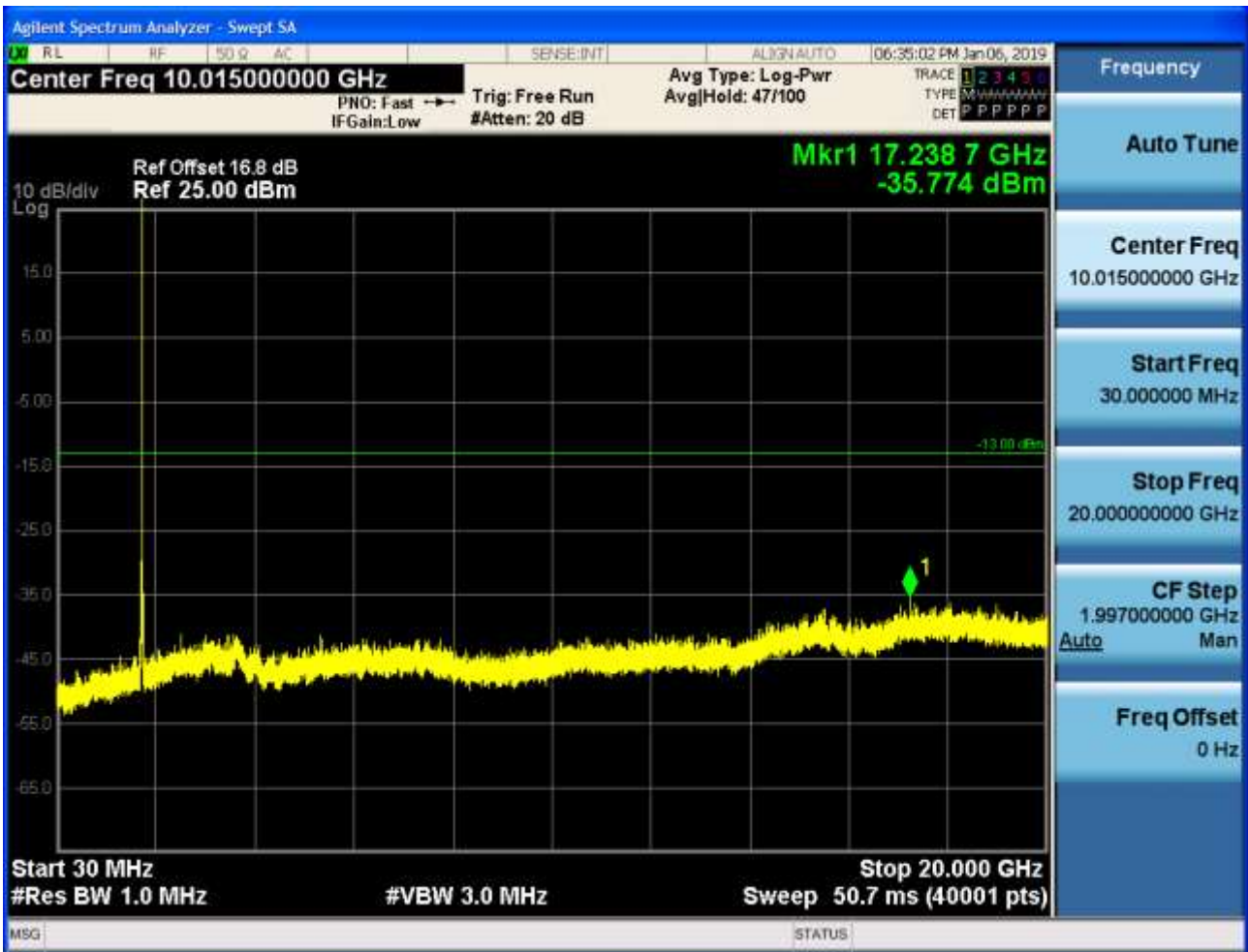


6.2.1.1.5.2 Test Channel = MCH

6.2.1.1.5.2.1 Test RB = RB1#0







6.2.1.1.5.3 Test Channel = HCH

6.2.1.1.5.3.1 Test RB = RB1#0



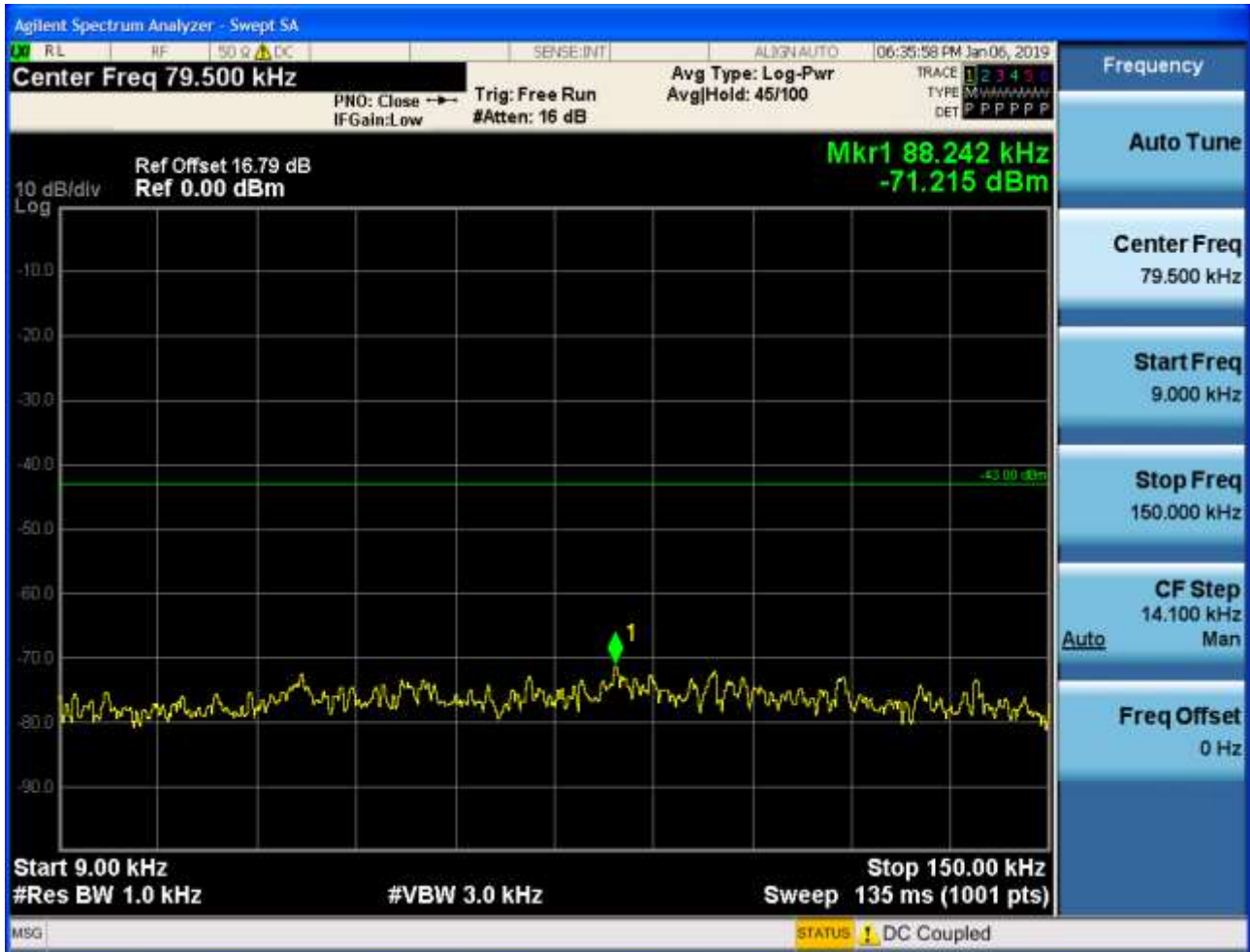


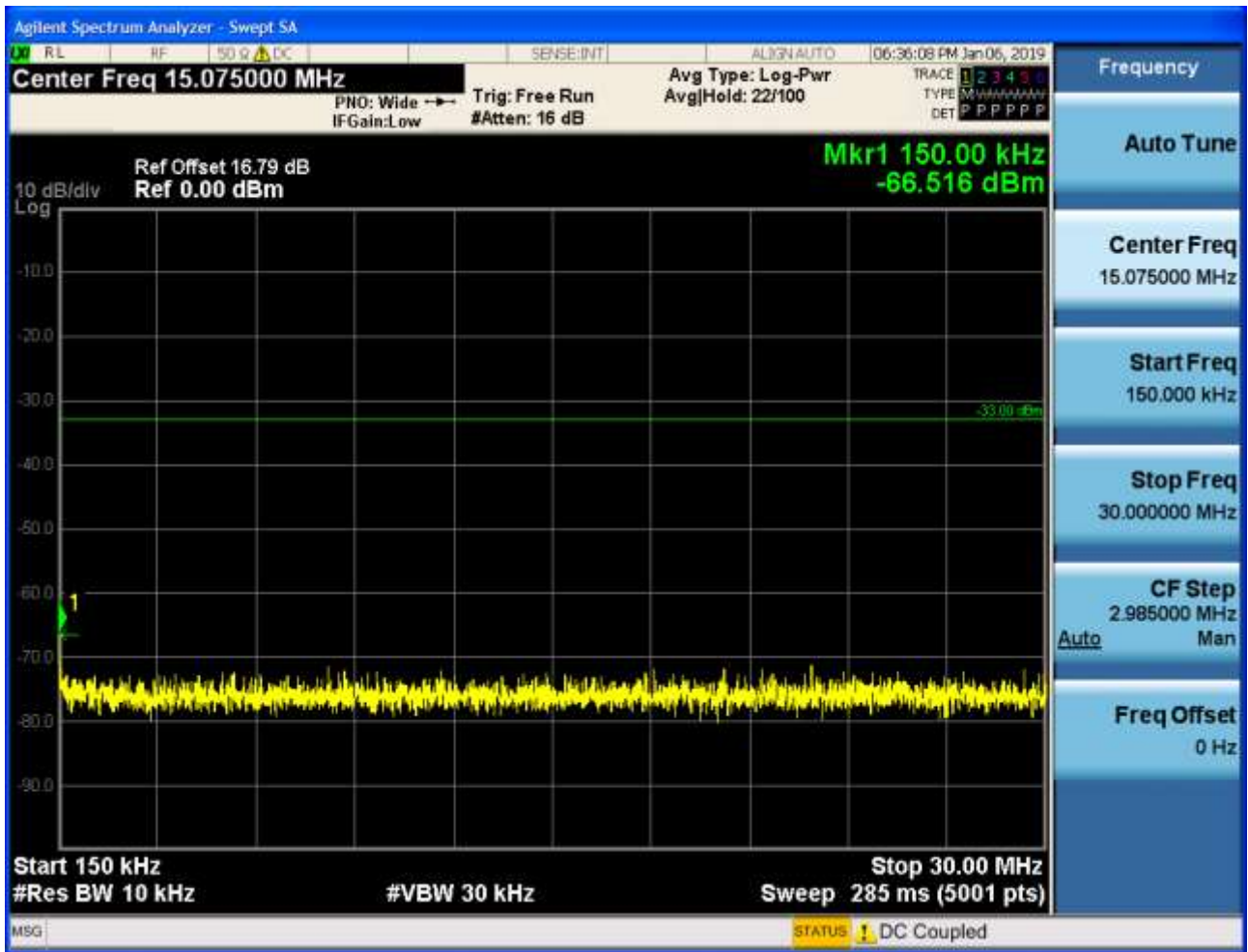


6.2.1.1.6 Test Bandwidth = 20

6.2.1.1.6.1 Test Channel = LCH

6.2.1.1.6.1.1 Test RB = RB1#0

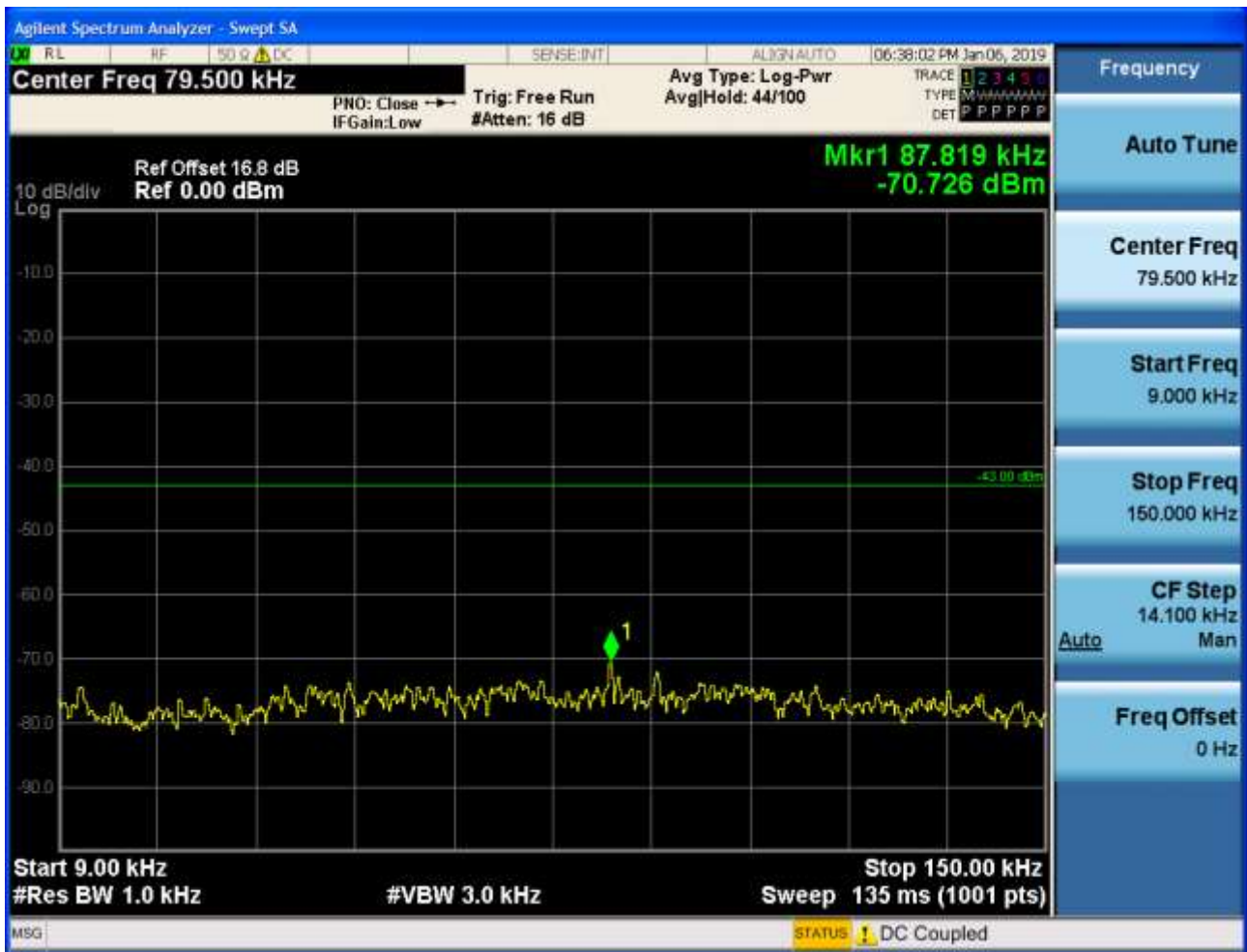


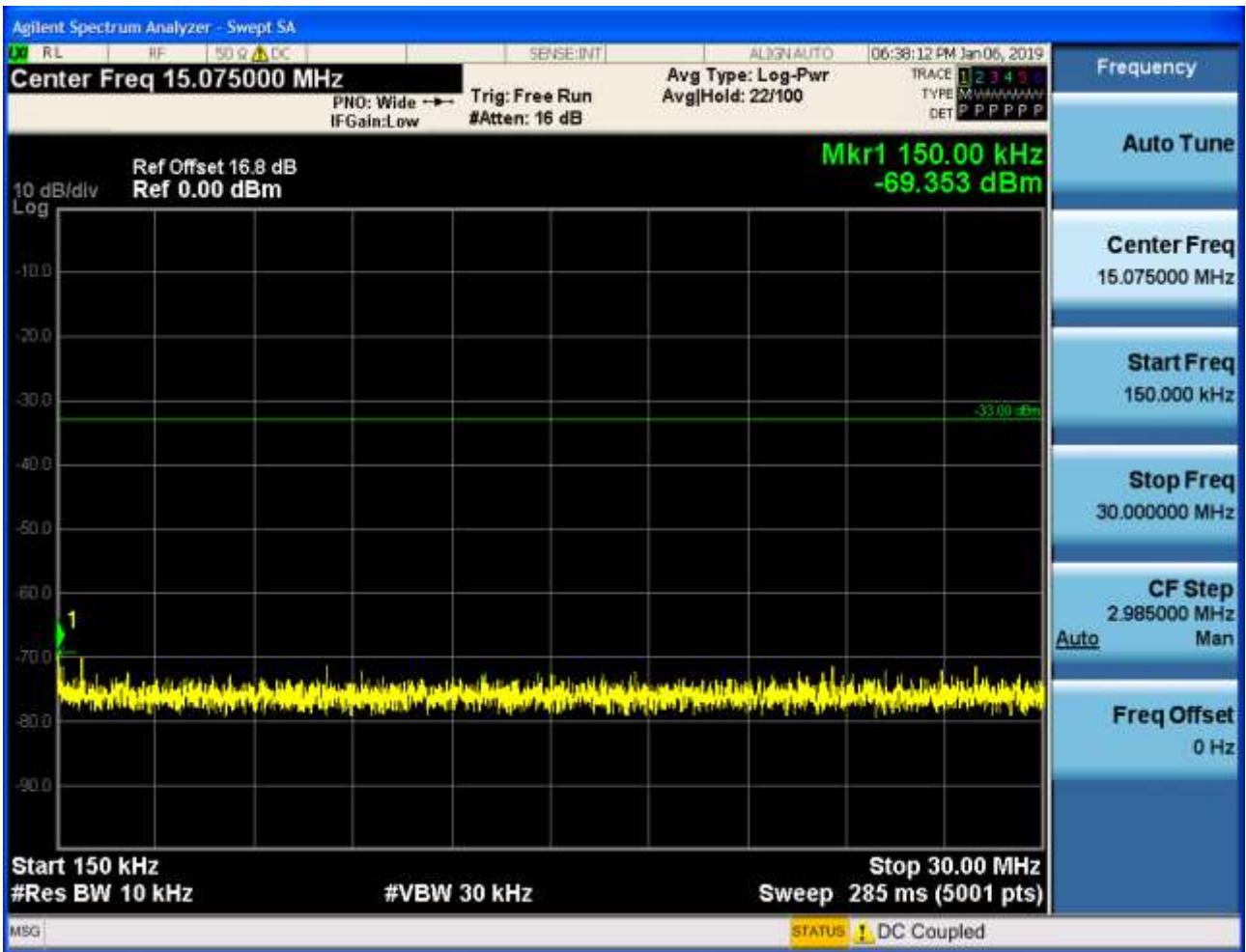


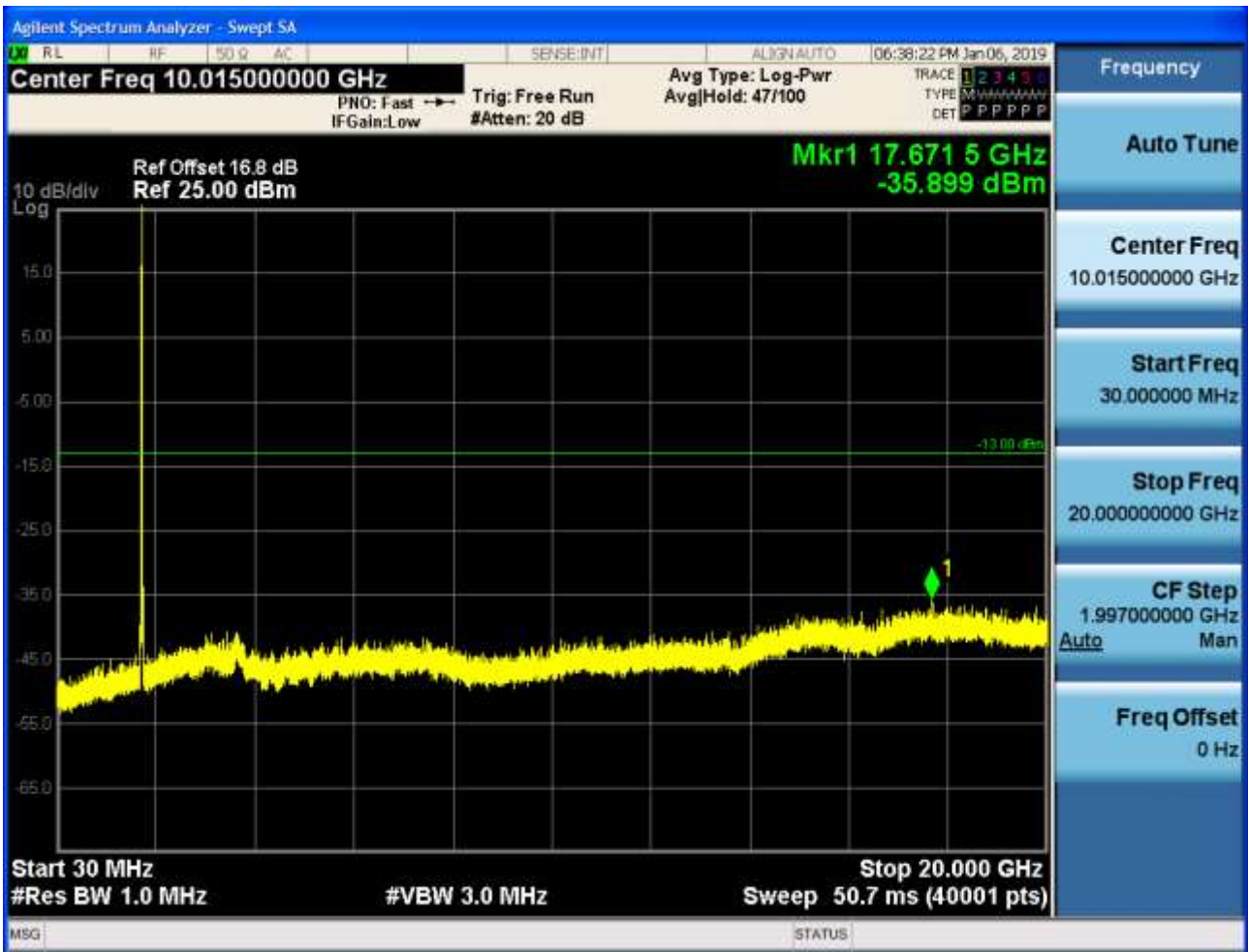


6.2.1.1.6.2 Test Channel = MCH

6.2.1.1.6.2.1 Test RB = RB1#0



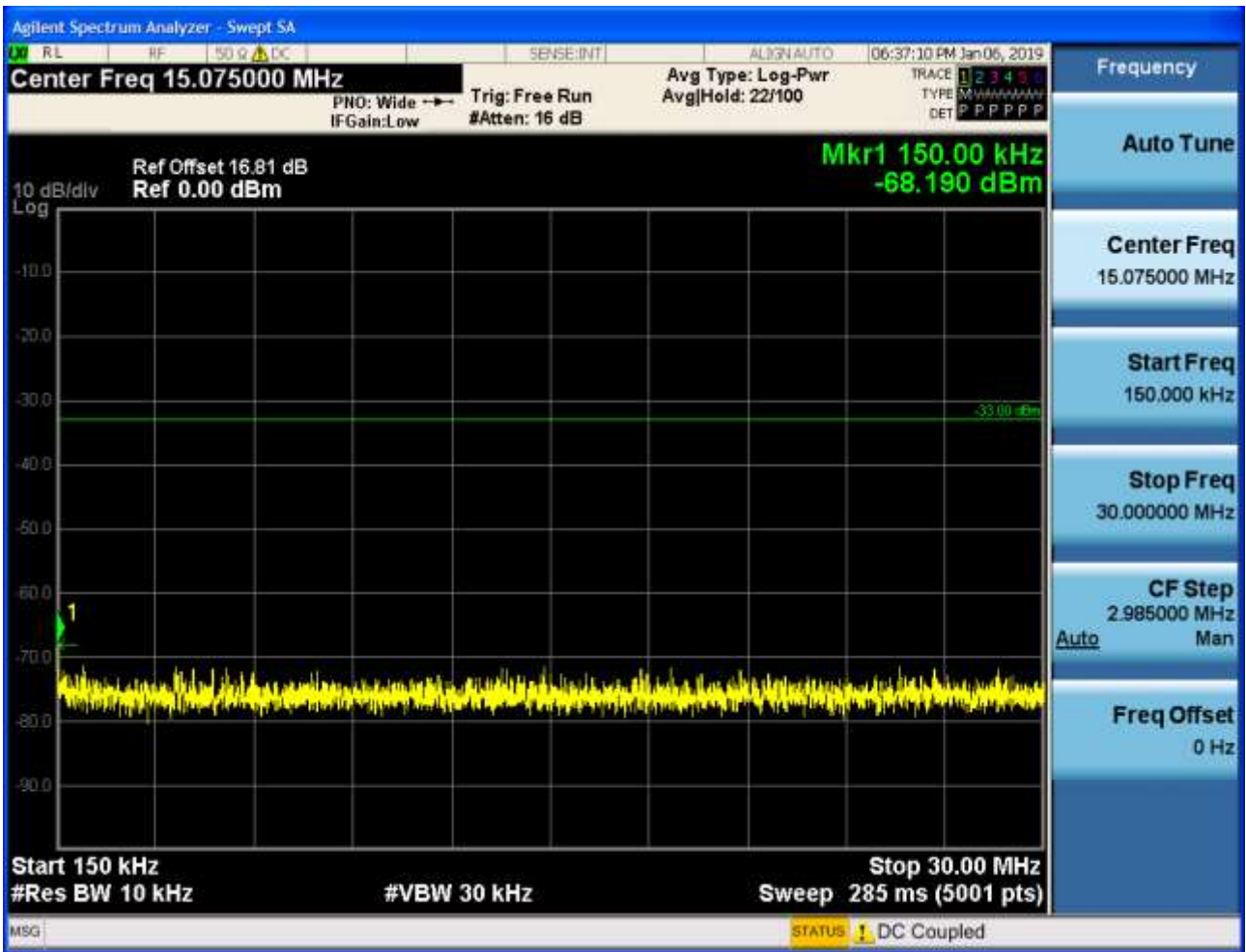




6.2.1.1.6.3 Test Channel = HCH

6.2.1.1.6.3.1 Test RB = RB1#0







6.2.1.2 Test Mode = LTE/TM2

6.2.1.2.1 Test Bandwidth = 1.4

6.2.1.2.1.1 Test Channel = LCH

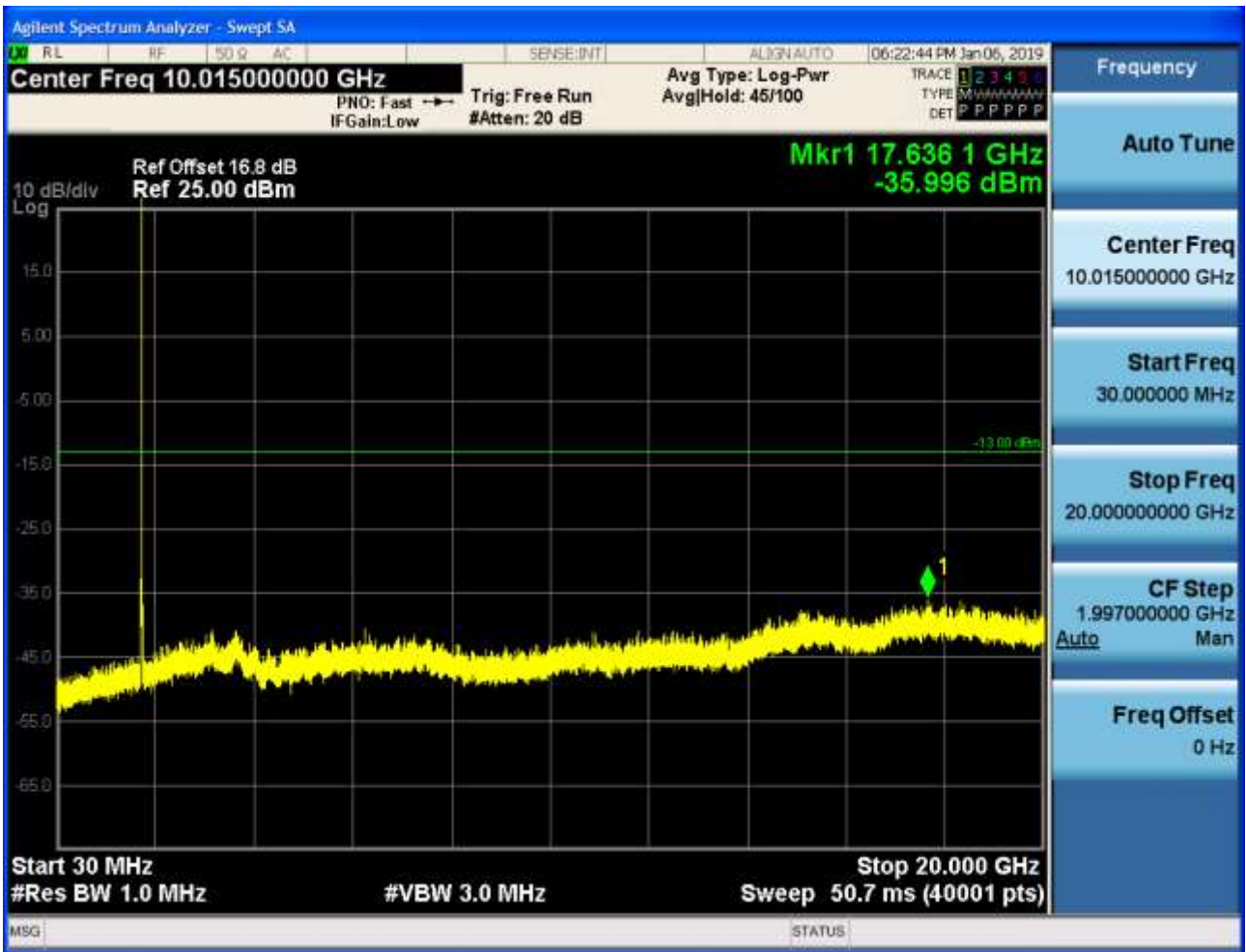
6.2.1.2.1.1.1 Test RB = RB1#0





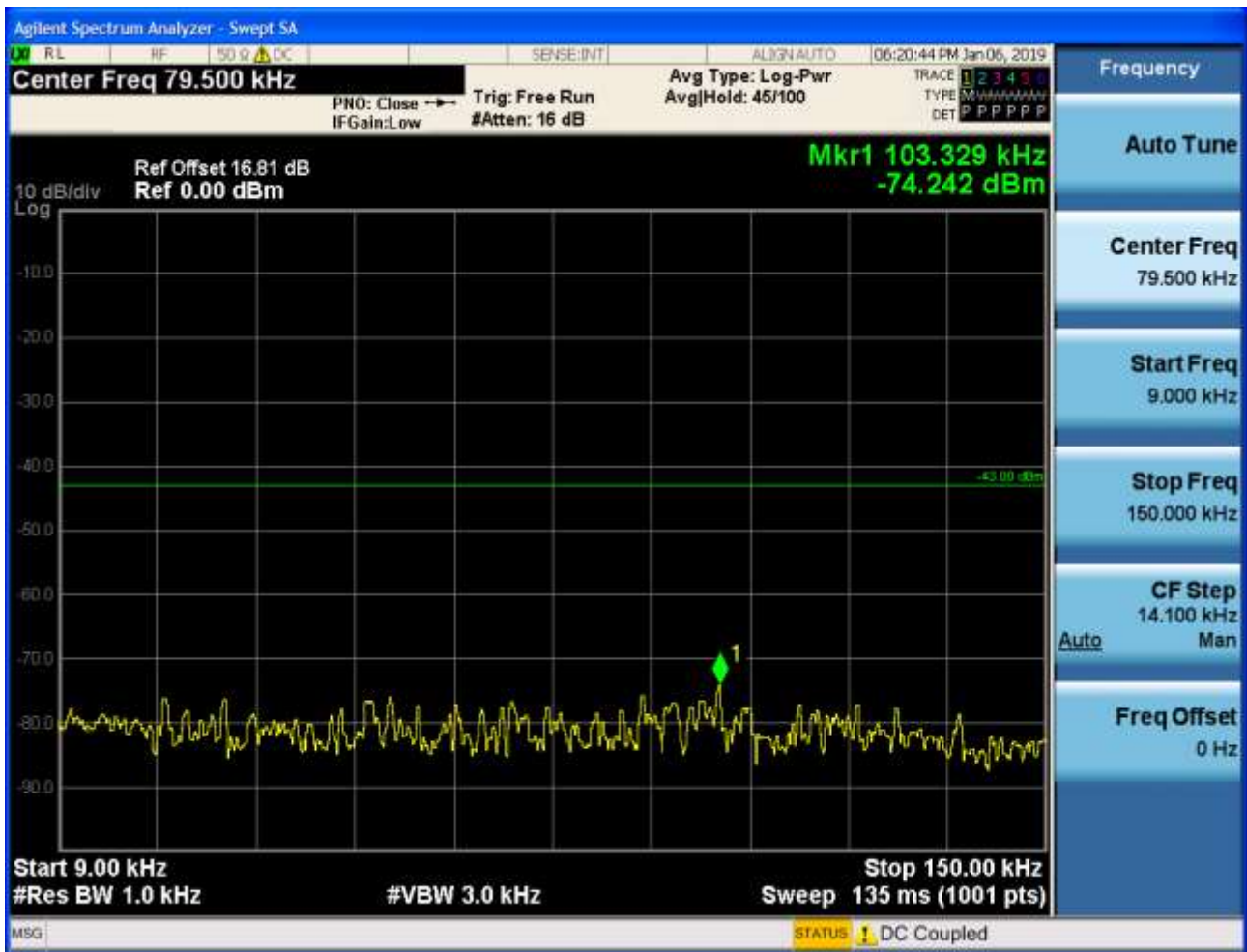


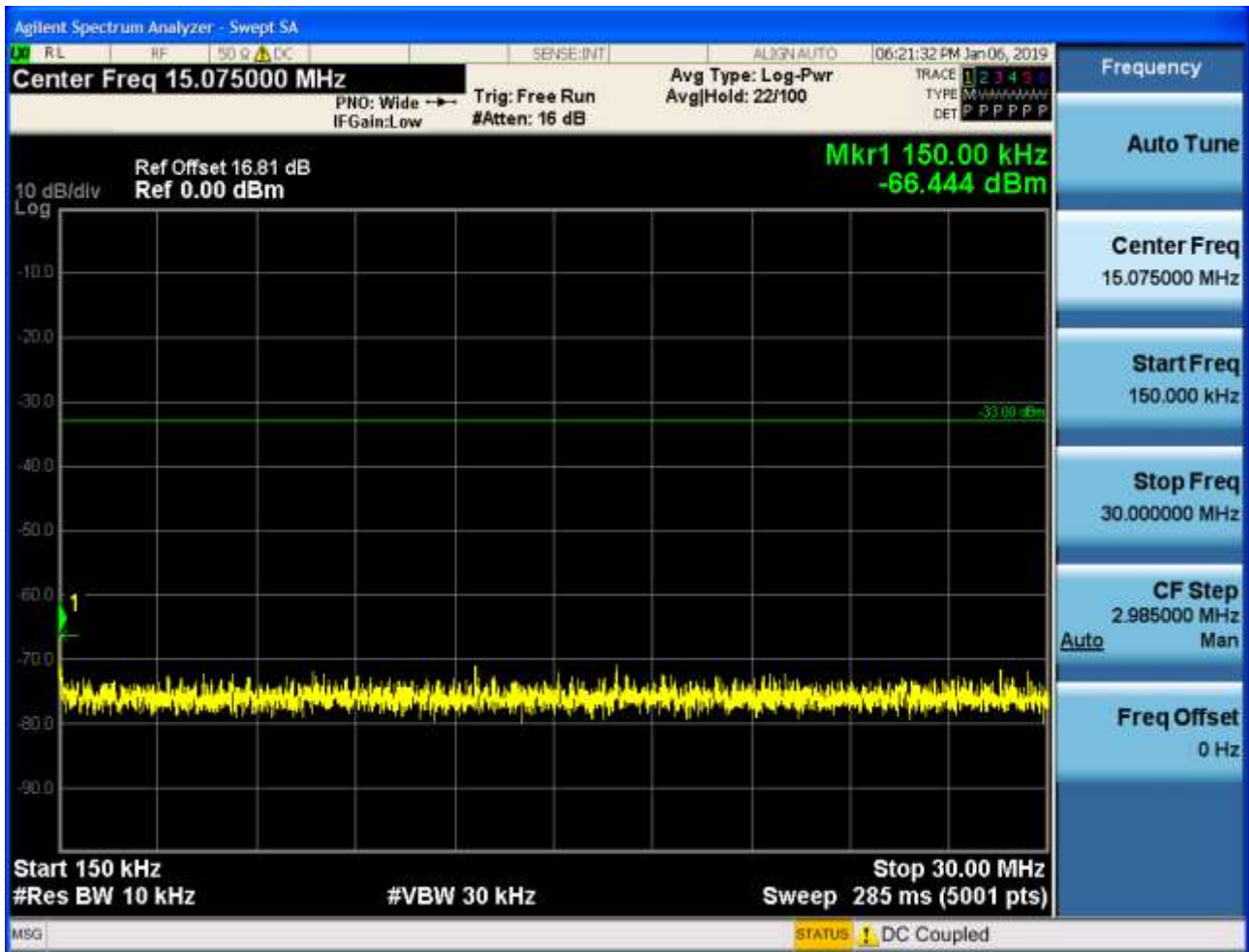




6.2.1.2.1.3 Test Channel = HCH

6.2.1.2.1.3.1 Test RB = RB1#0



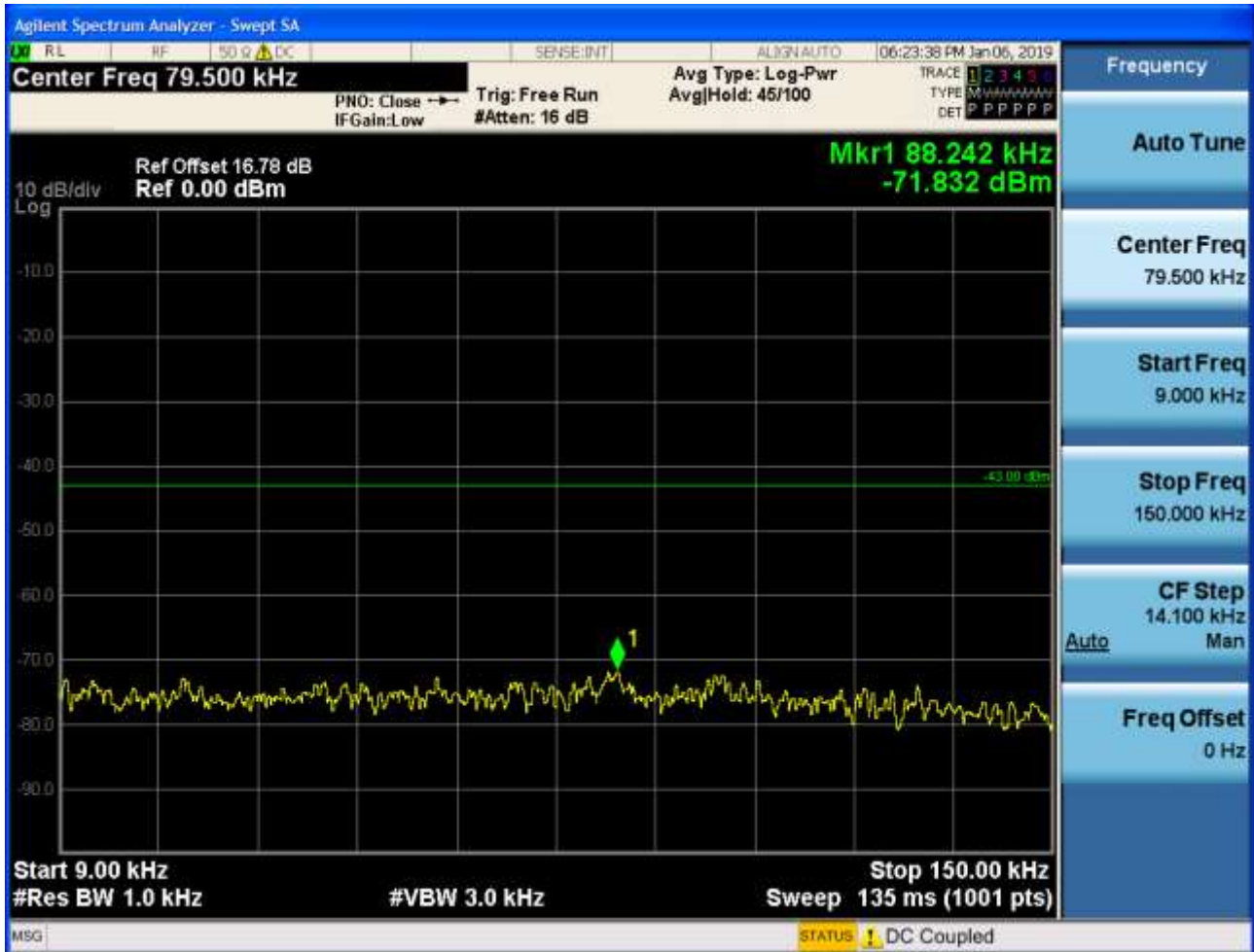


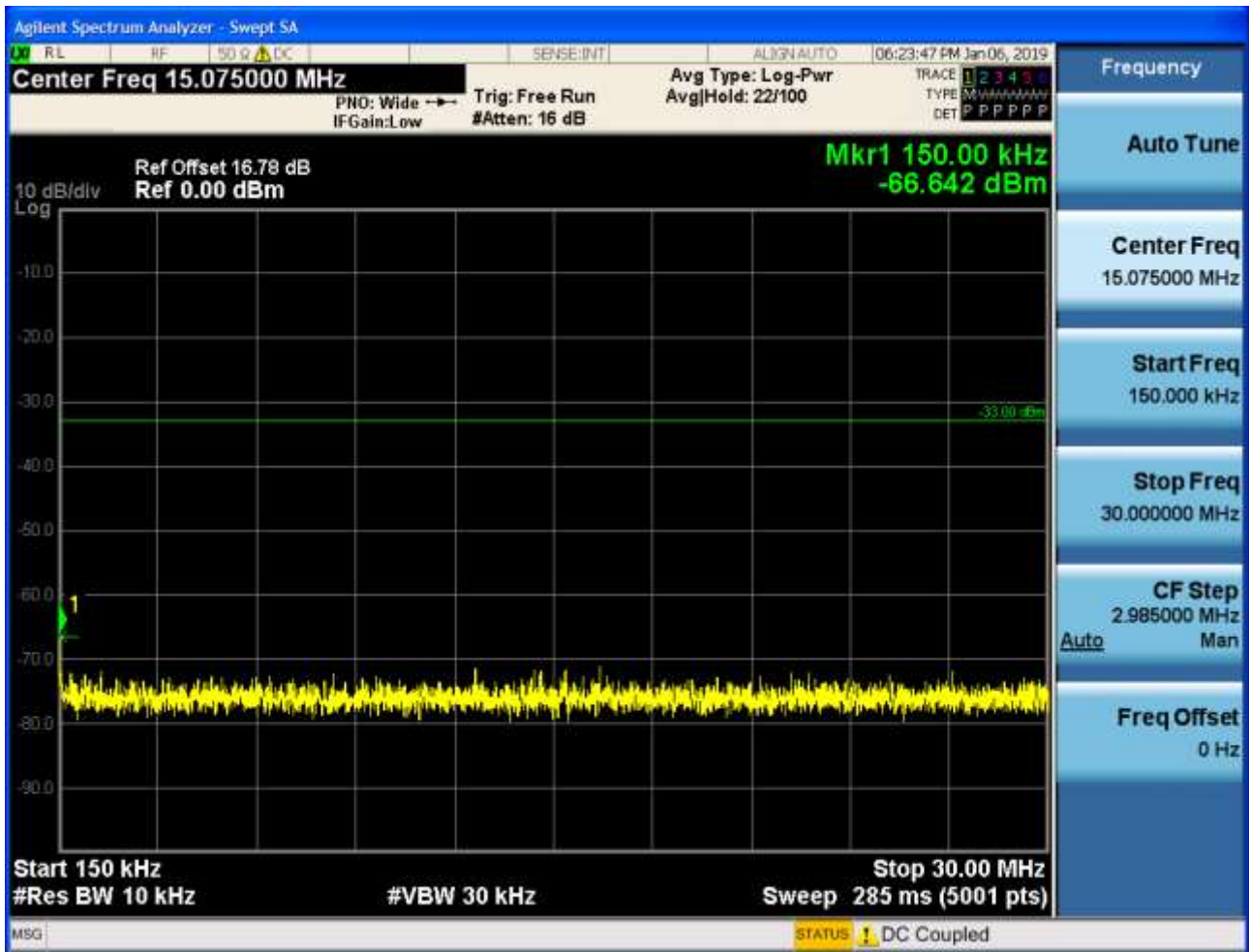


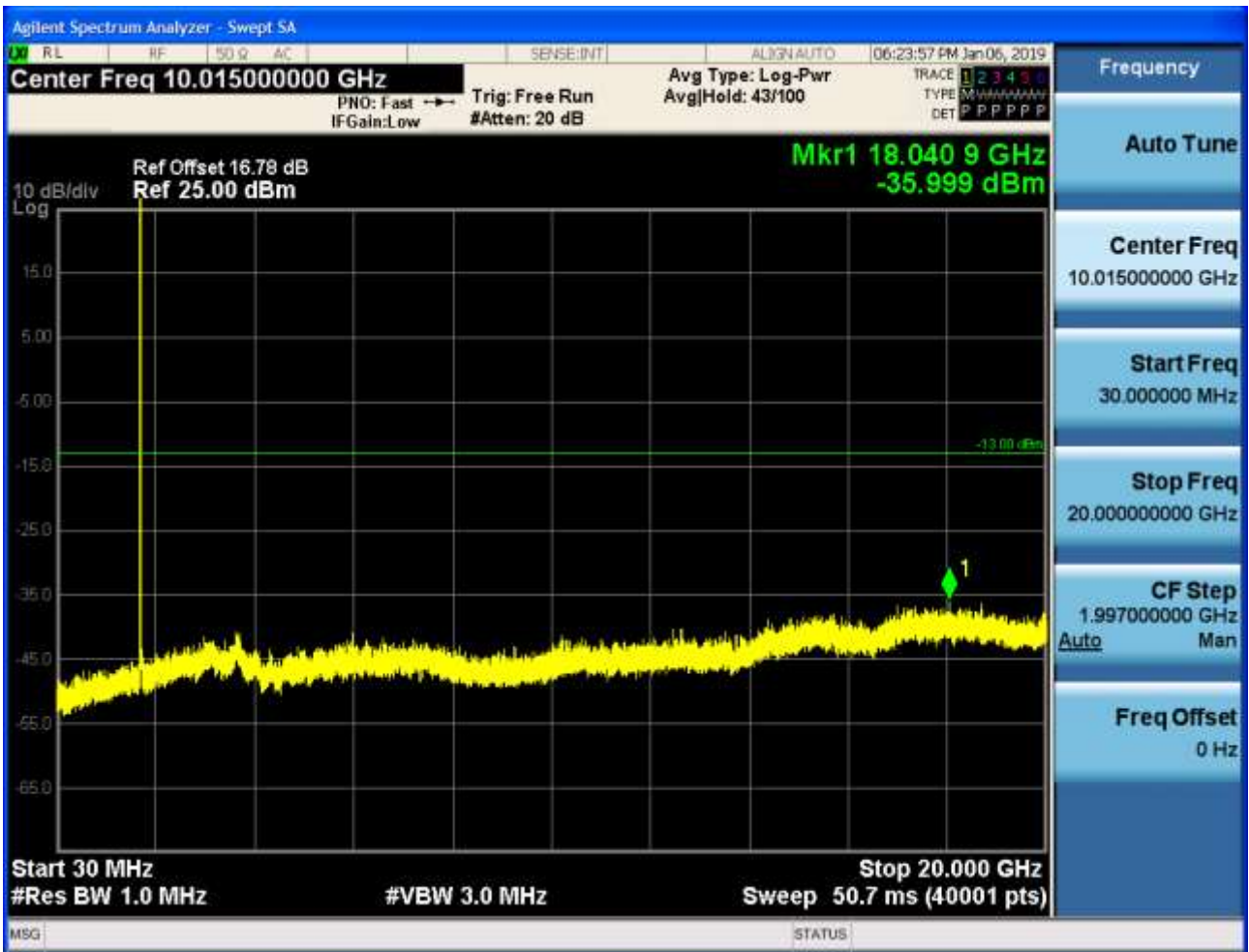
6.2.1.2.2 Test Bandwidth = 3

6.2.1.2.2.1 Test Channel = LCH

6.2.1.2.2.1.1 Test RB = RB1#0

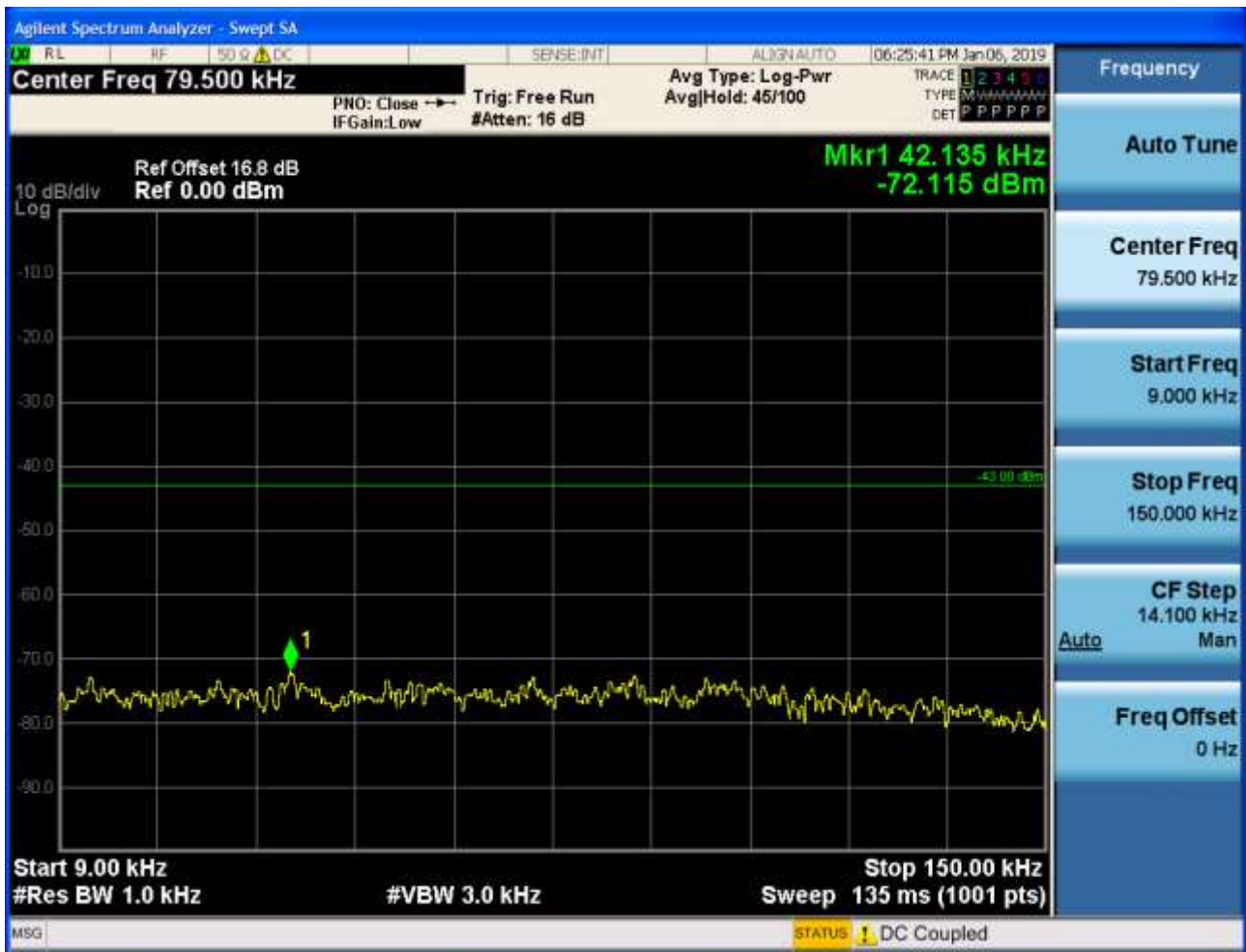


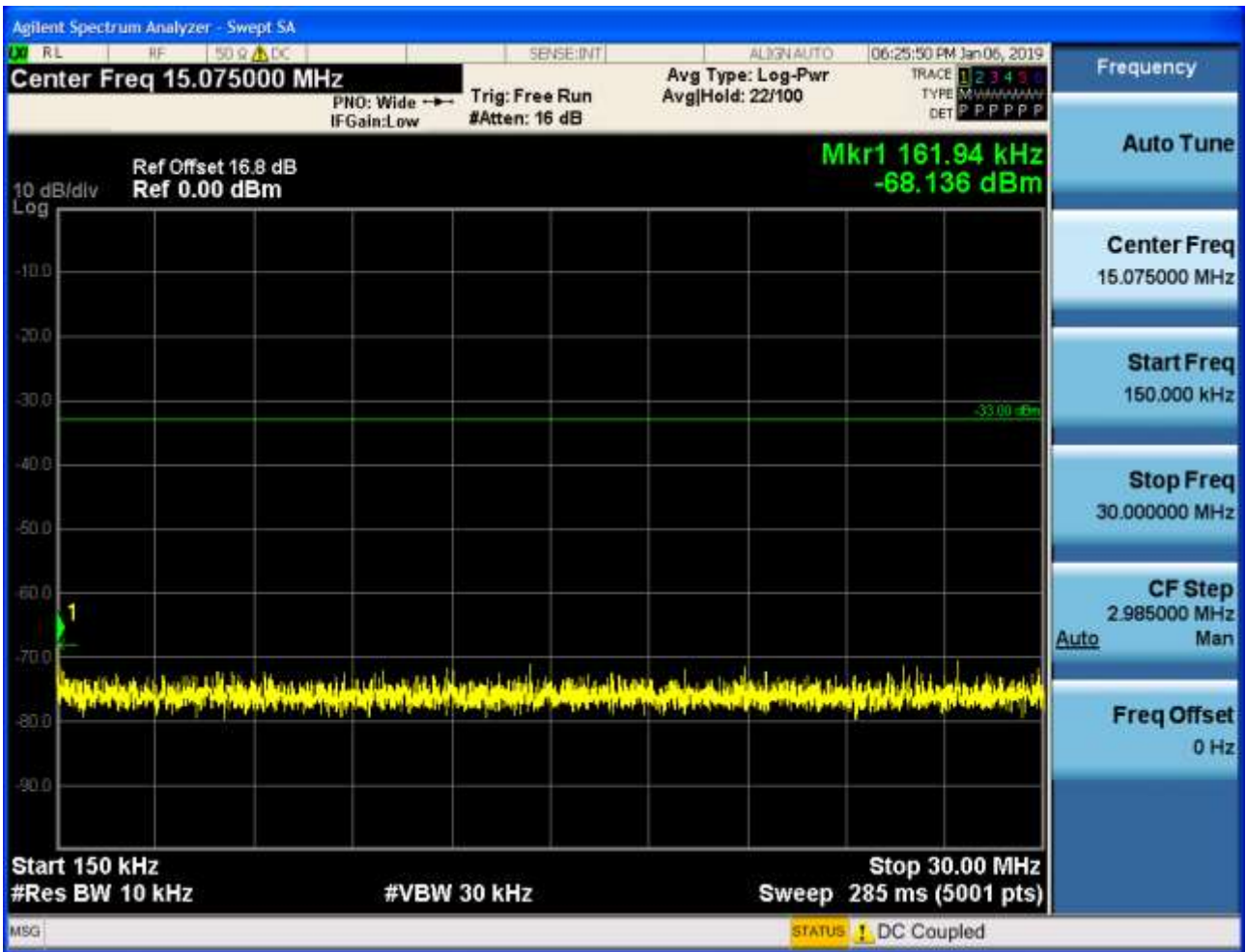




6.2.1.2.2.2 Test Channel = MCH

6.2.1.2.2.2.1 Test RB = RB1#0

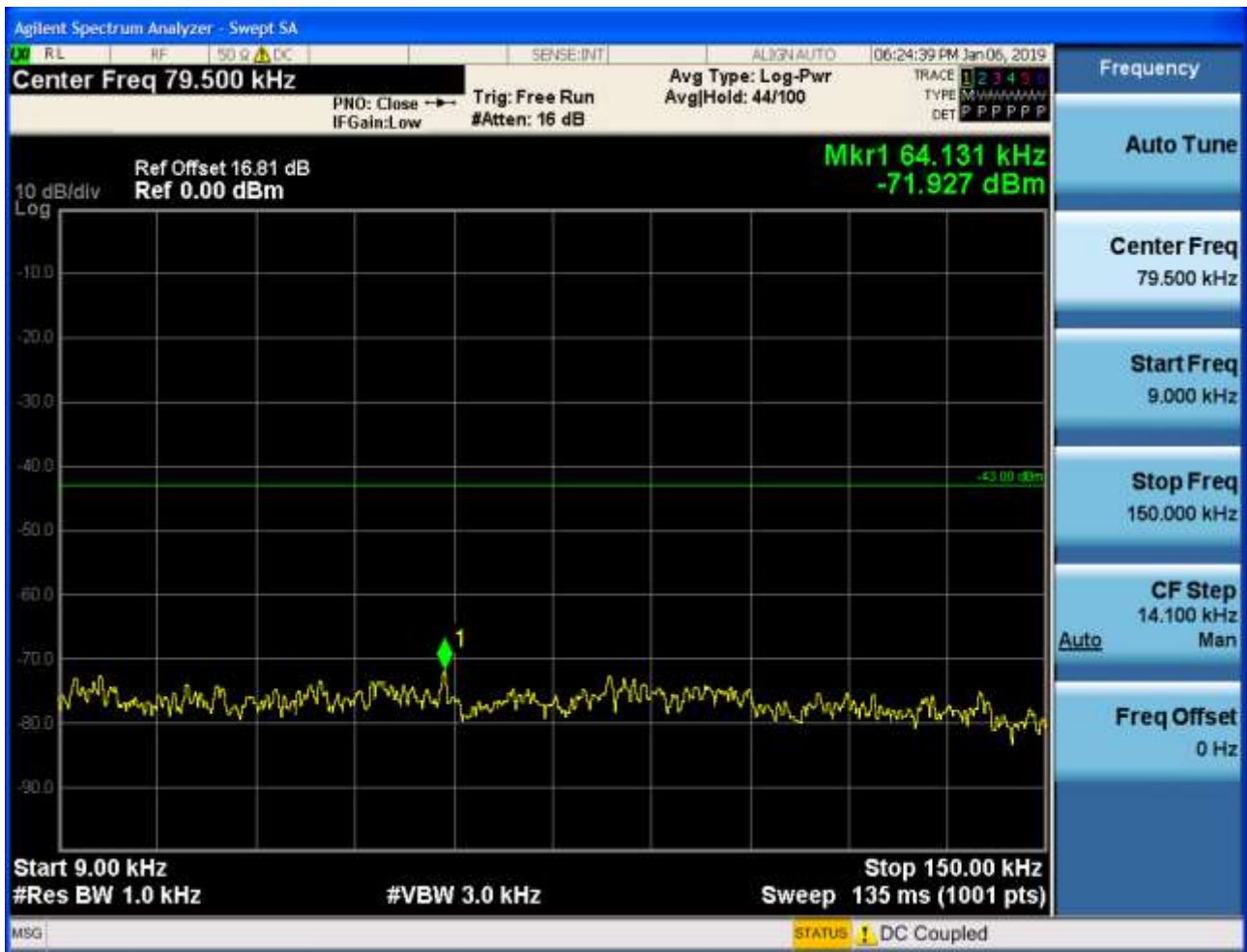


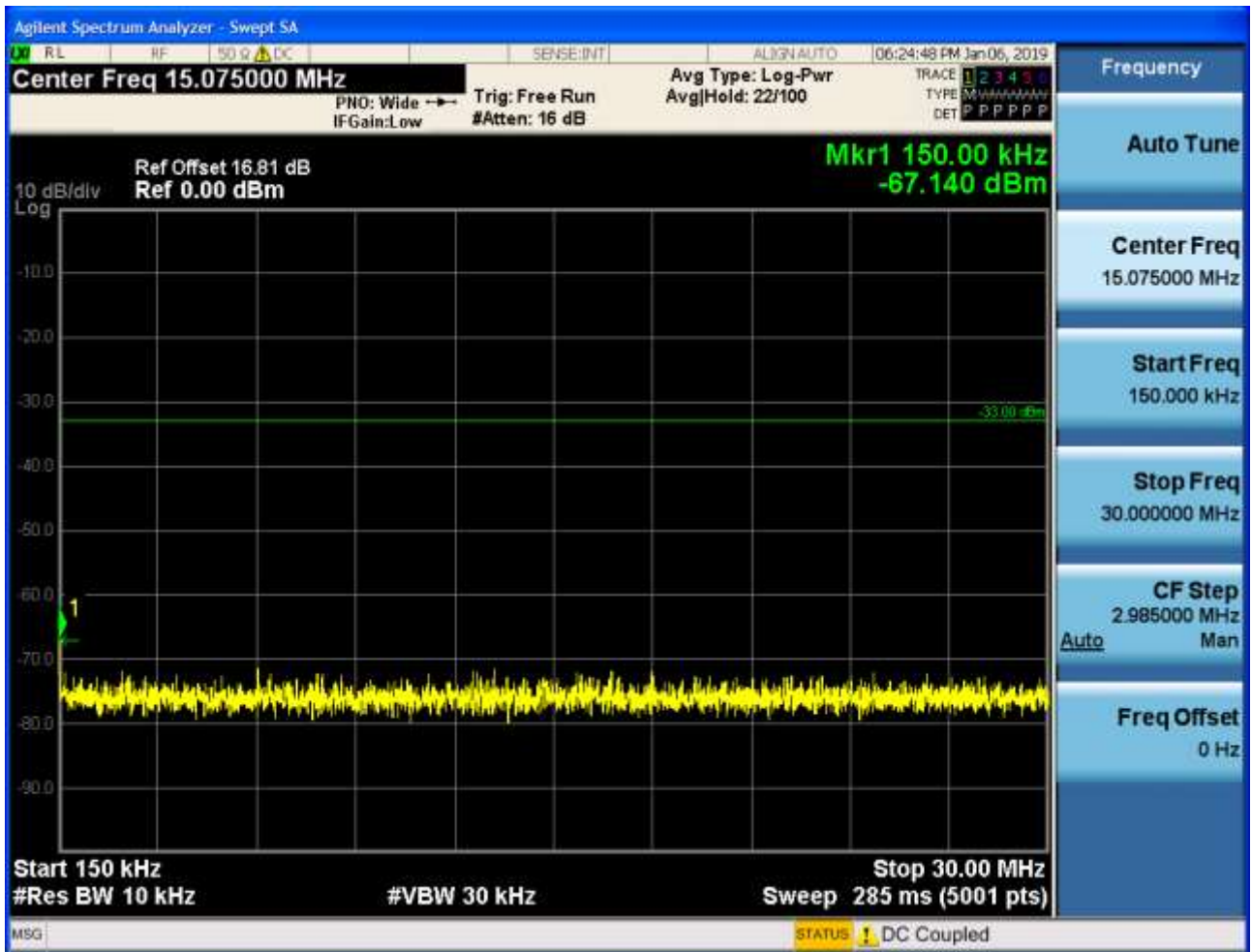


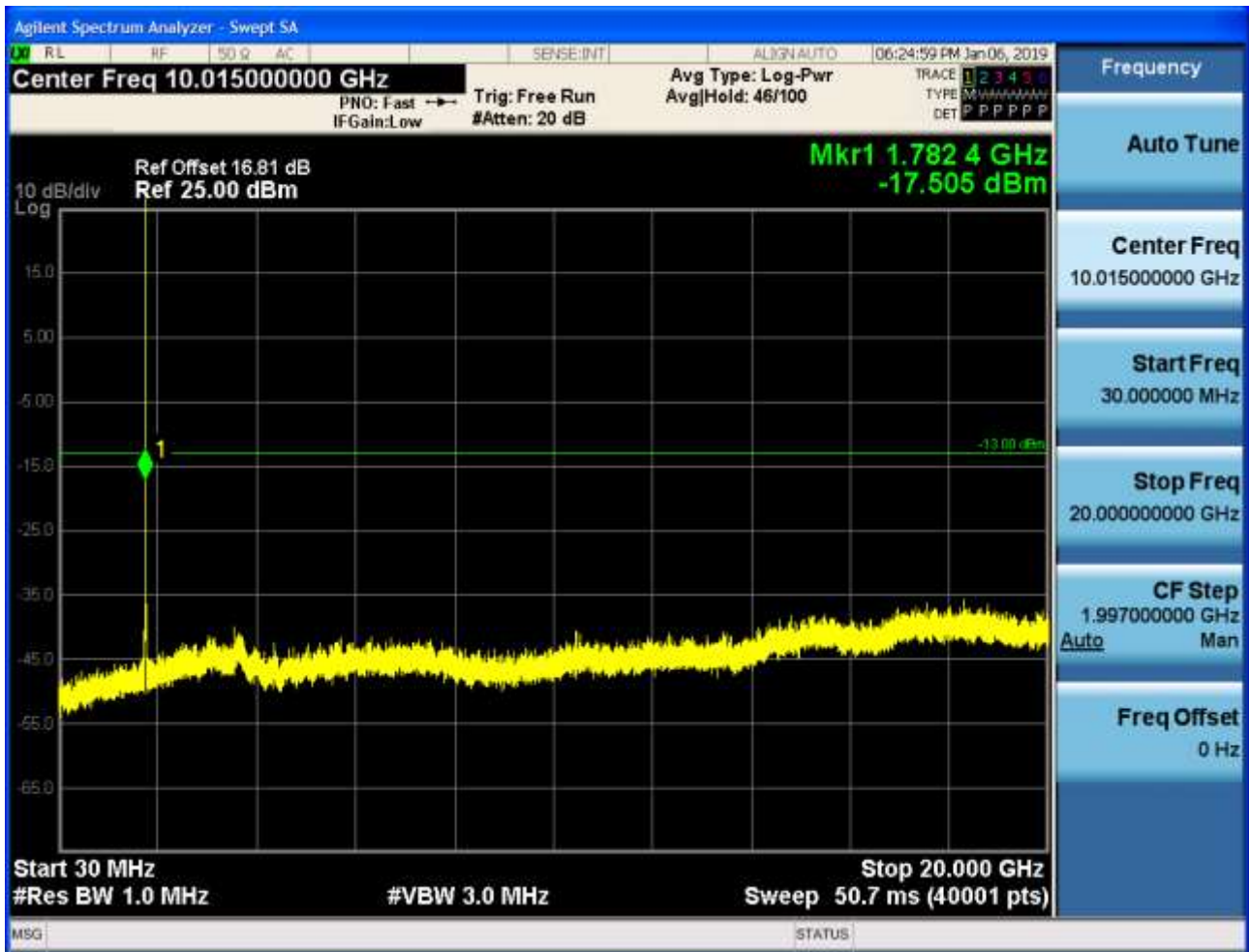


6.2.1.2.2.3 Test Channel = HCH

6.2.1.2.2.3.1 Test RB = RB1#0



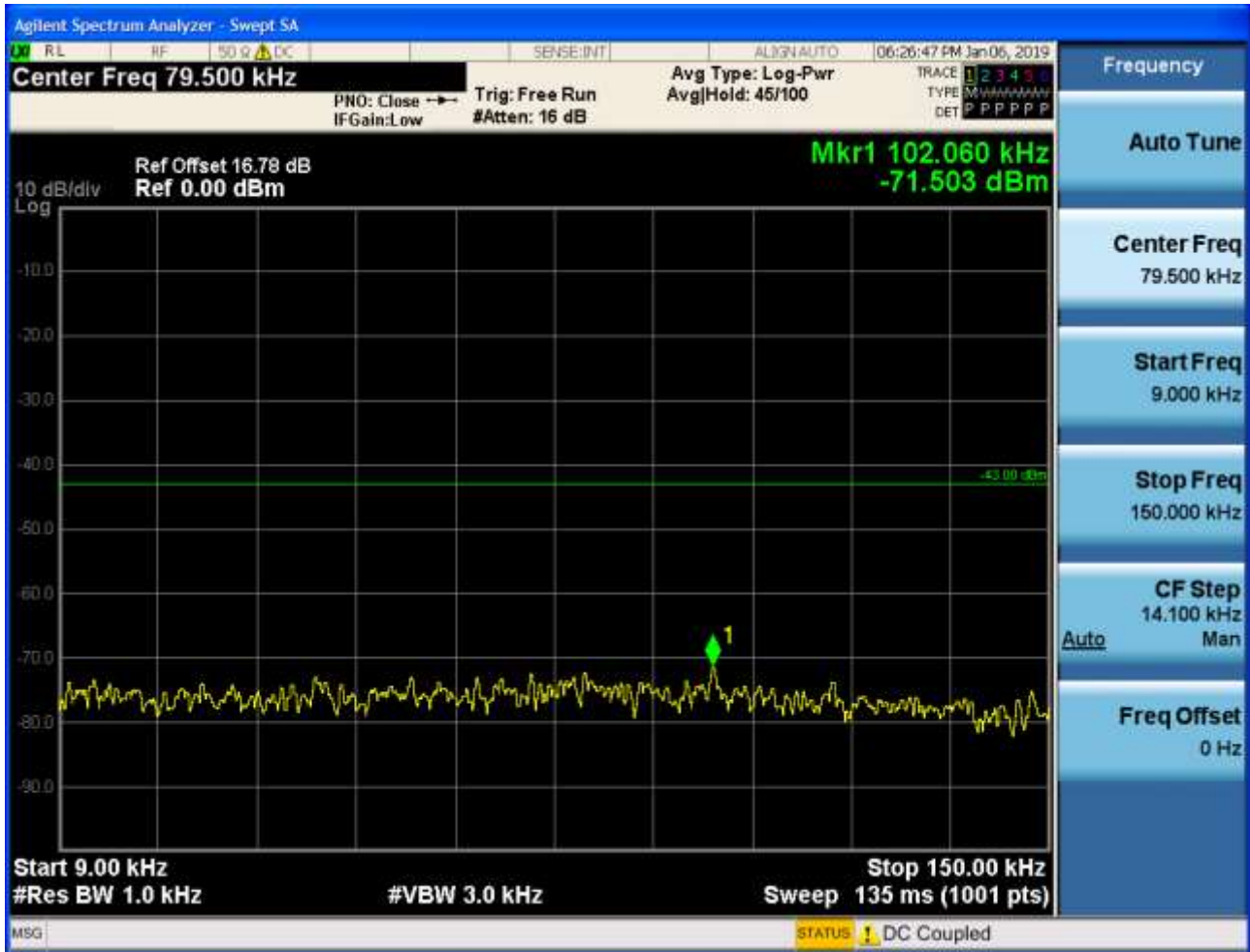


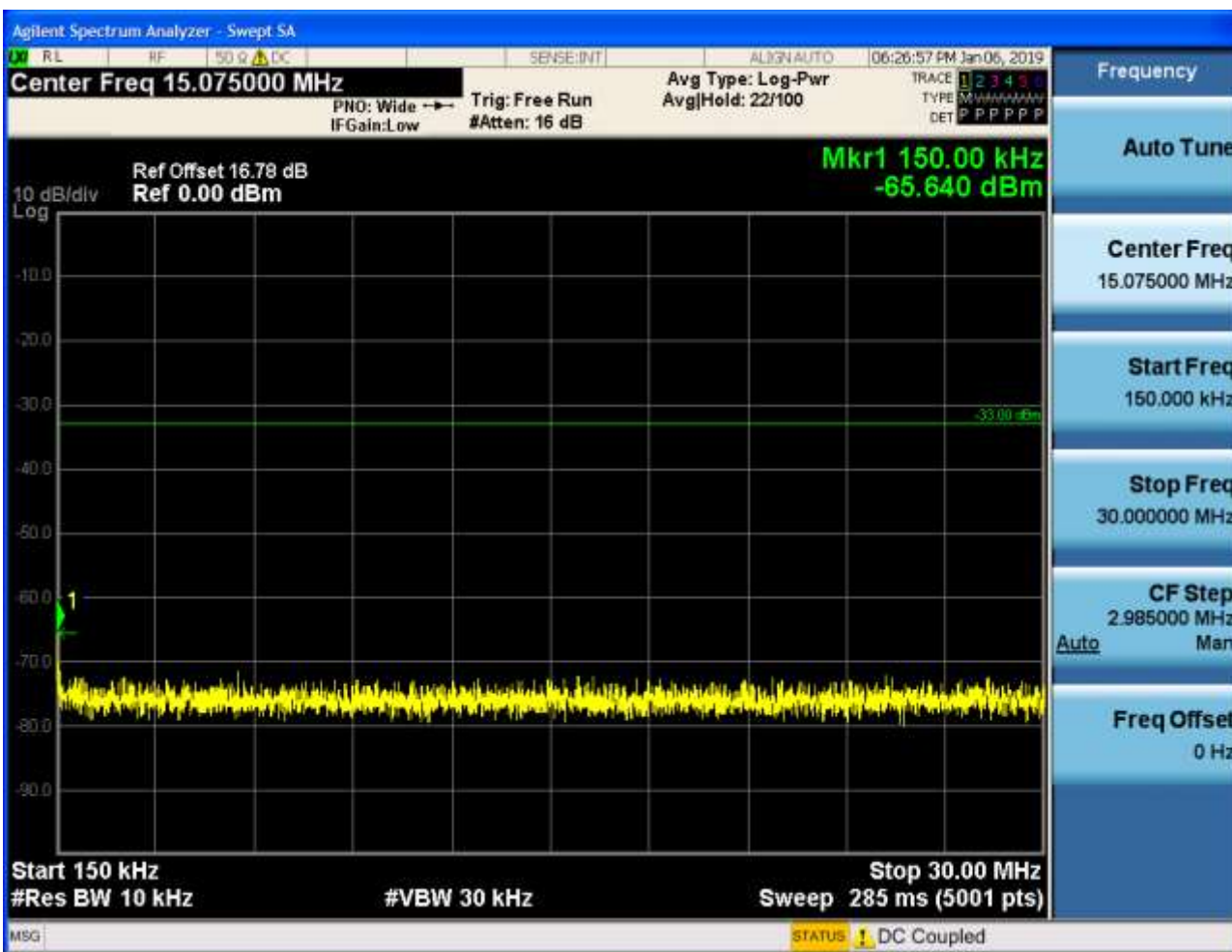


6.2.1.2.3 Test Bandwidth = 5

6.2.1.2.3.1 Test Channel = LCH

6.2.1.2.3.1.1 Test RB = RB1#0

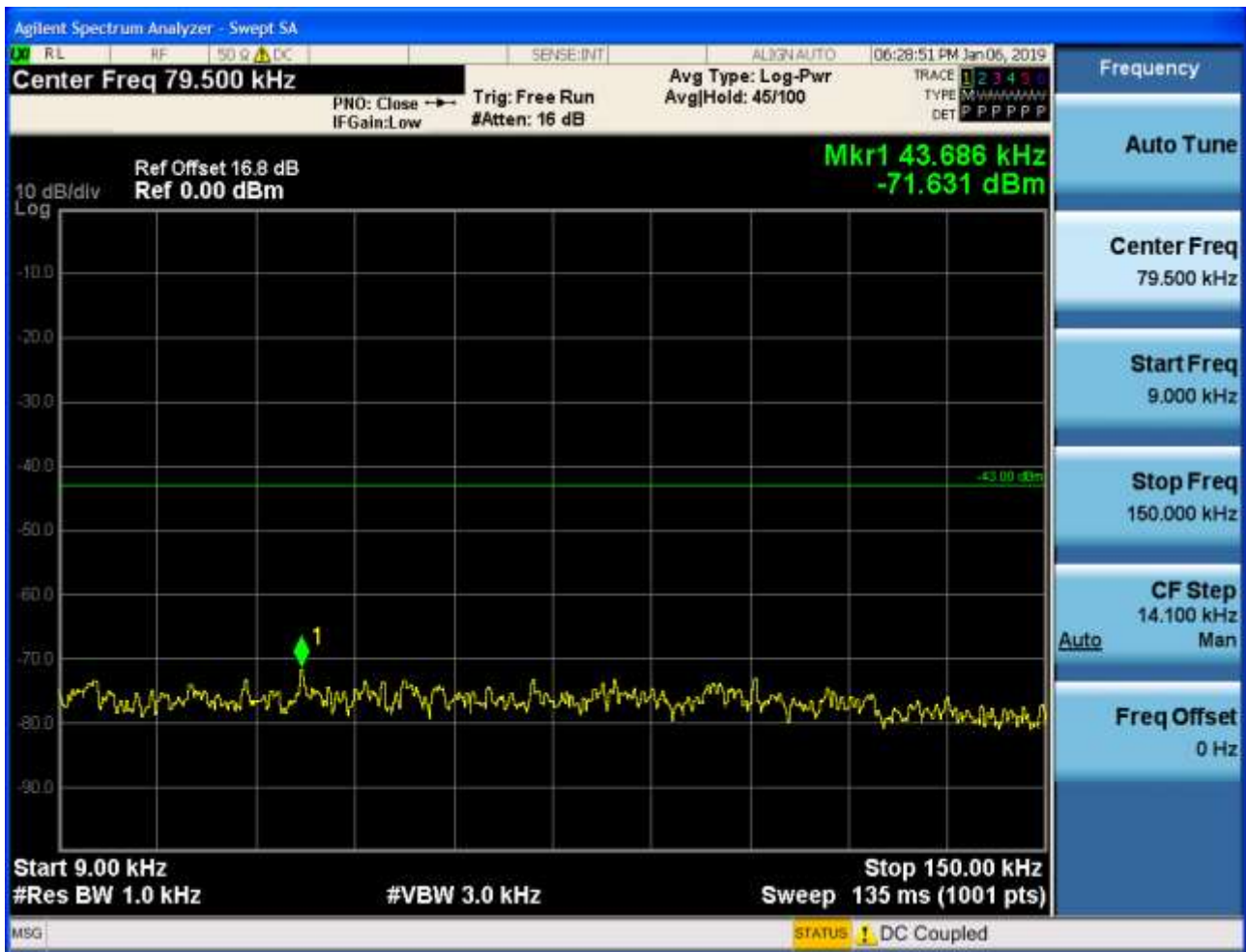


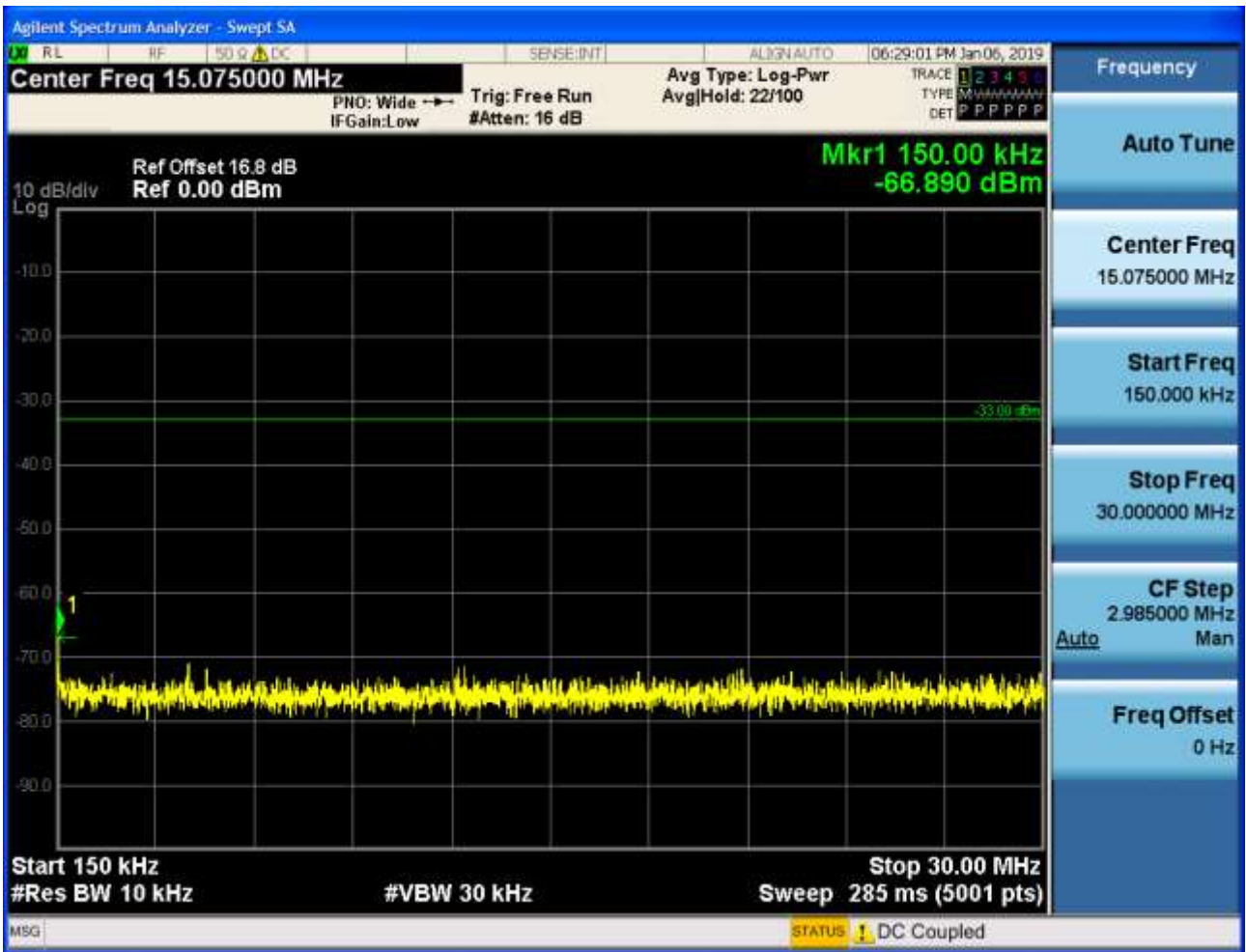




6.2.1.2.3.2 Test Channel = MCH

6.2.1.2.3.2.1 Test RB = RB1#0



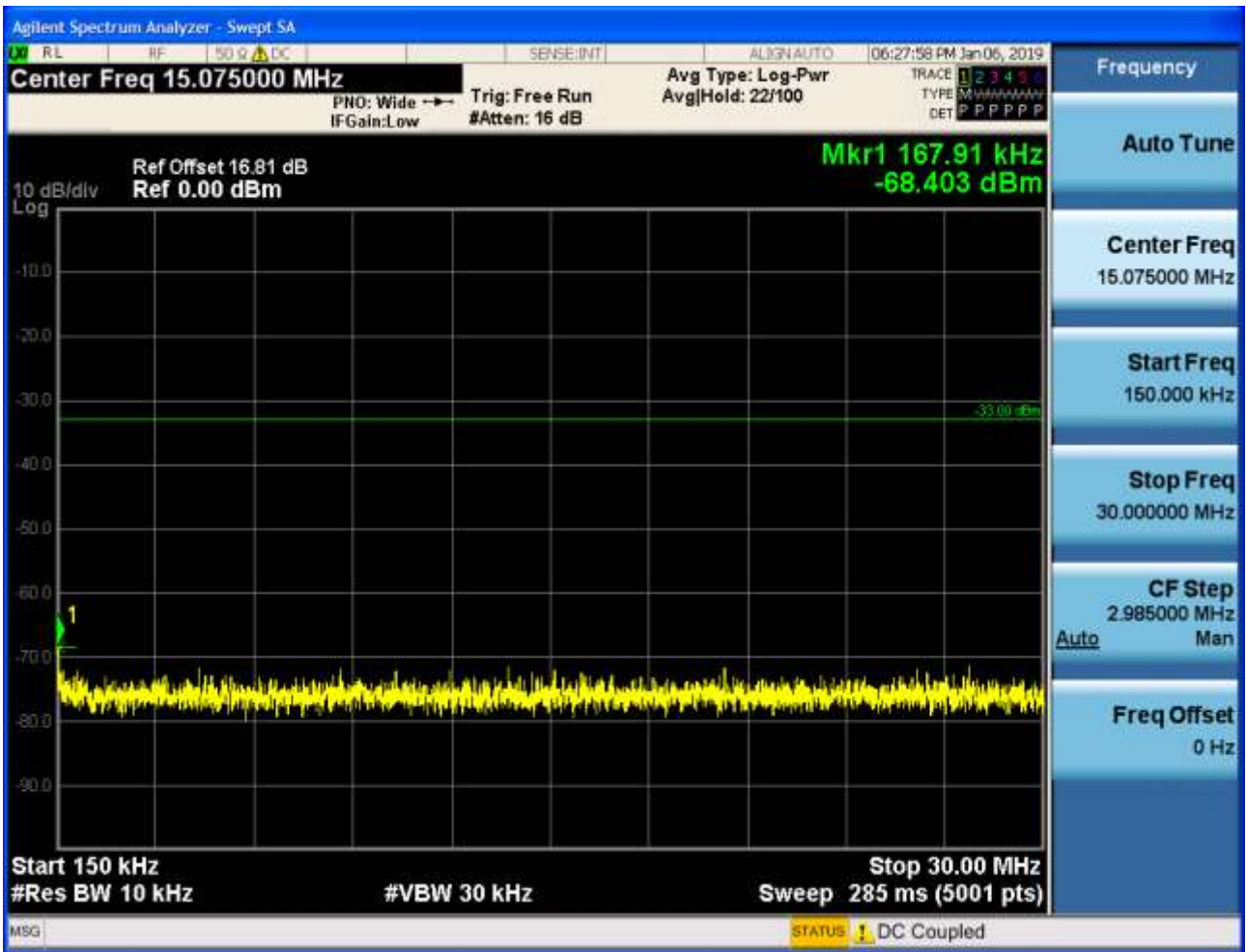




6.2.1.2.3.3 Test Channel = HCH

6.2.1.2.3.3.1 Test RB = RB1#0





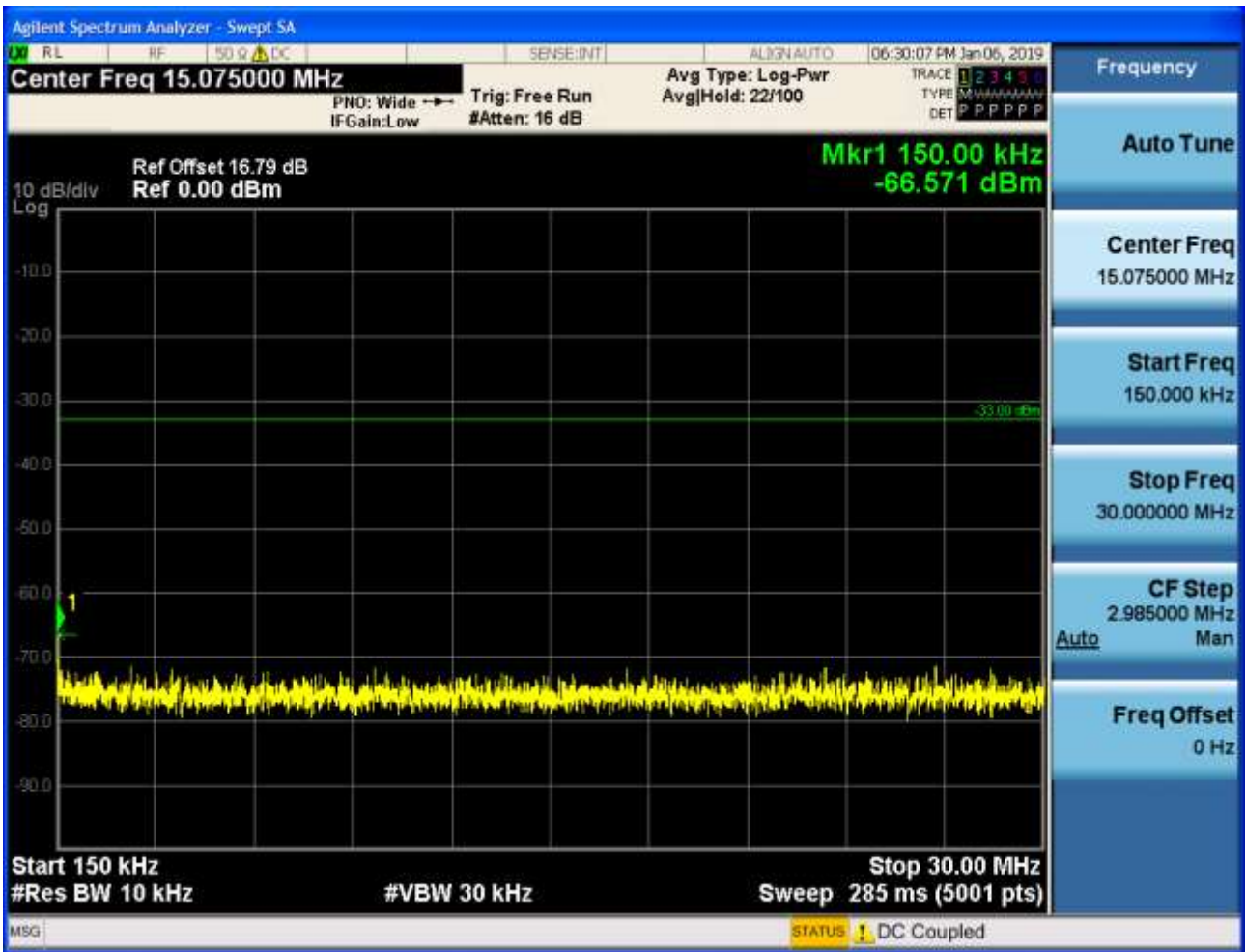


6.2.1.2.4 Test Bandwidth = 10

6.2.1.2.4.1 Test Channel = LCH

6.2.1.2.4.1.1 Test RB = RB1#0

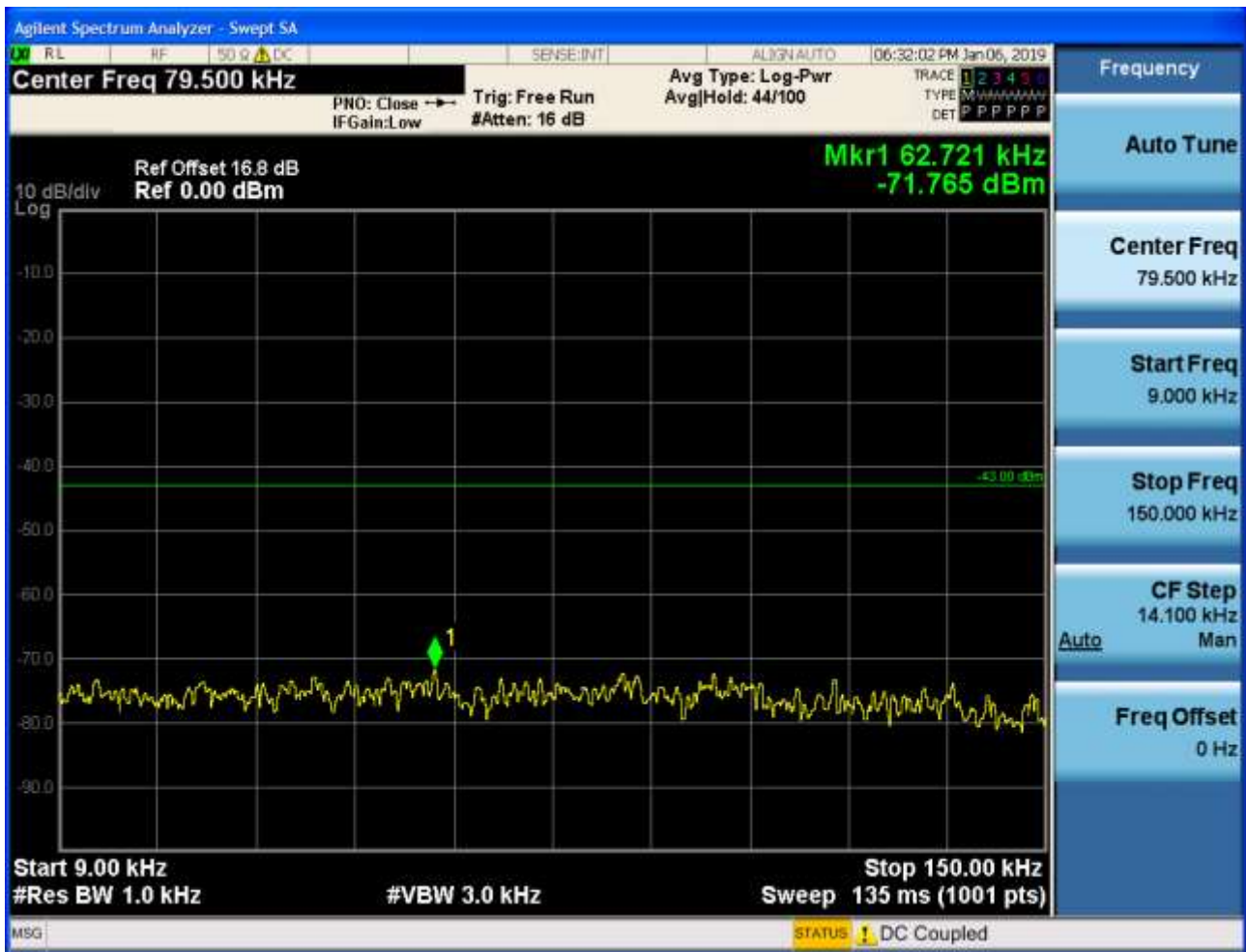


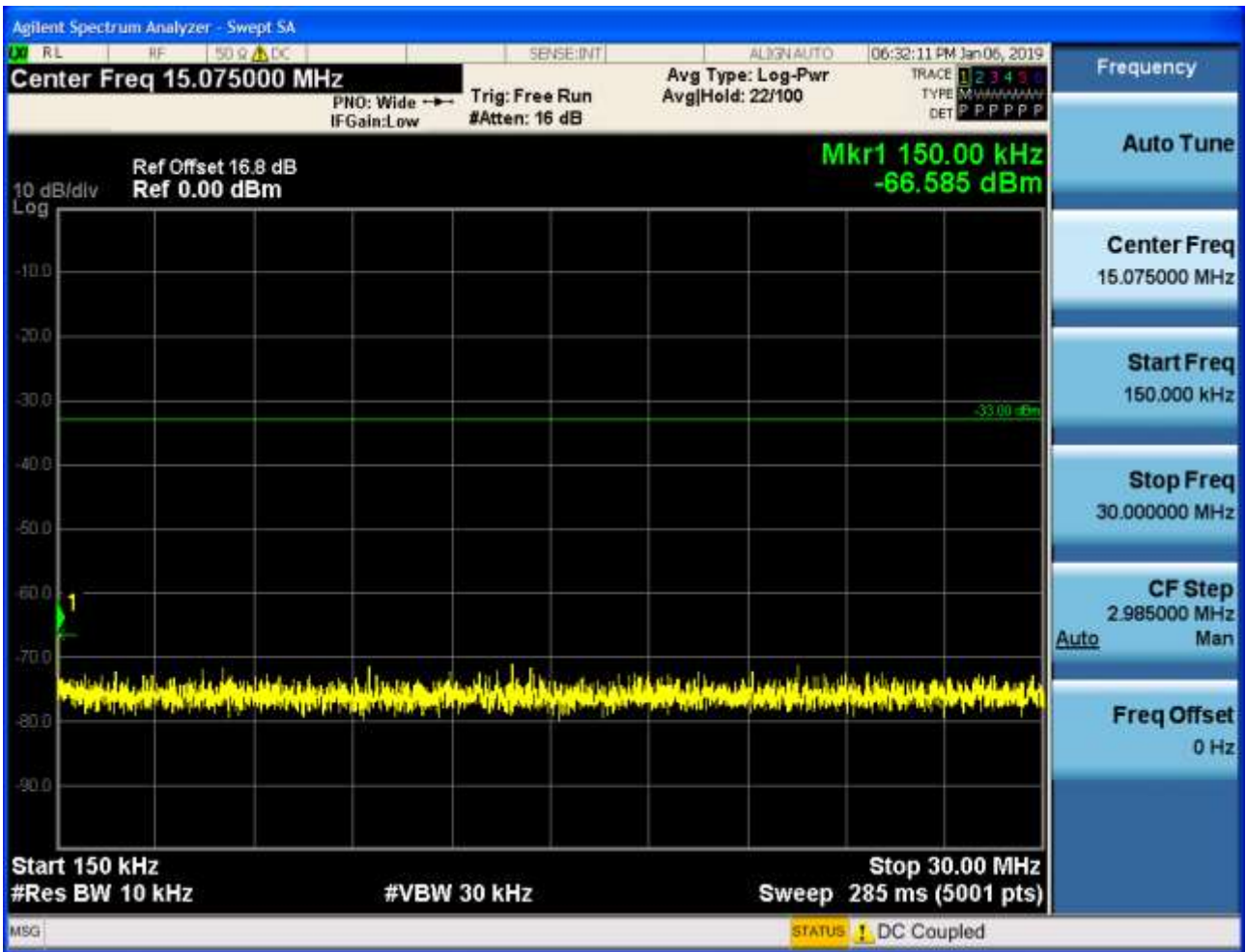


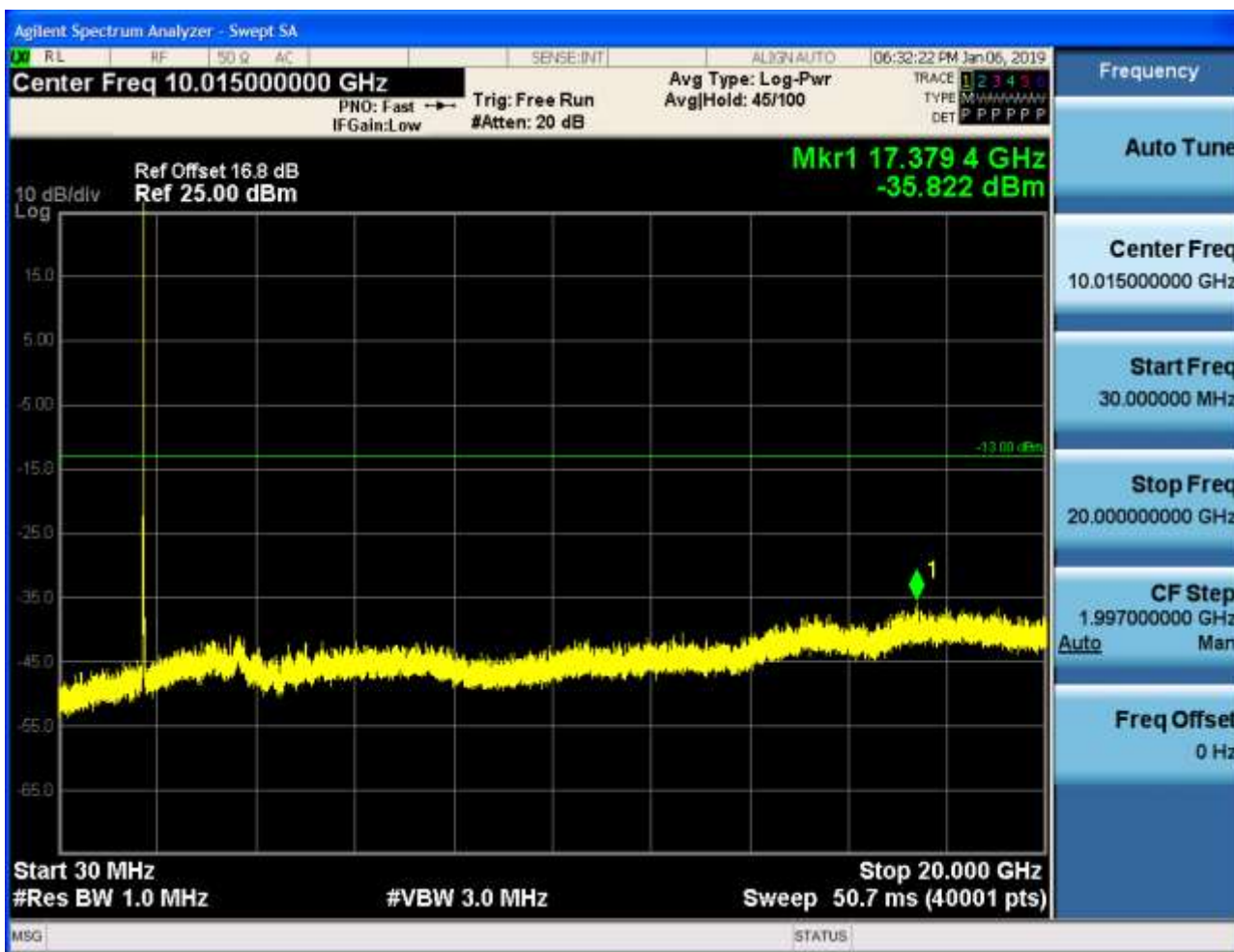


6.2.1.2.4.2 Test Channel = MCH

6.2.1.2.4.2.1 Test RB = RB1#0

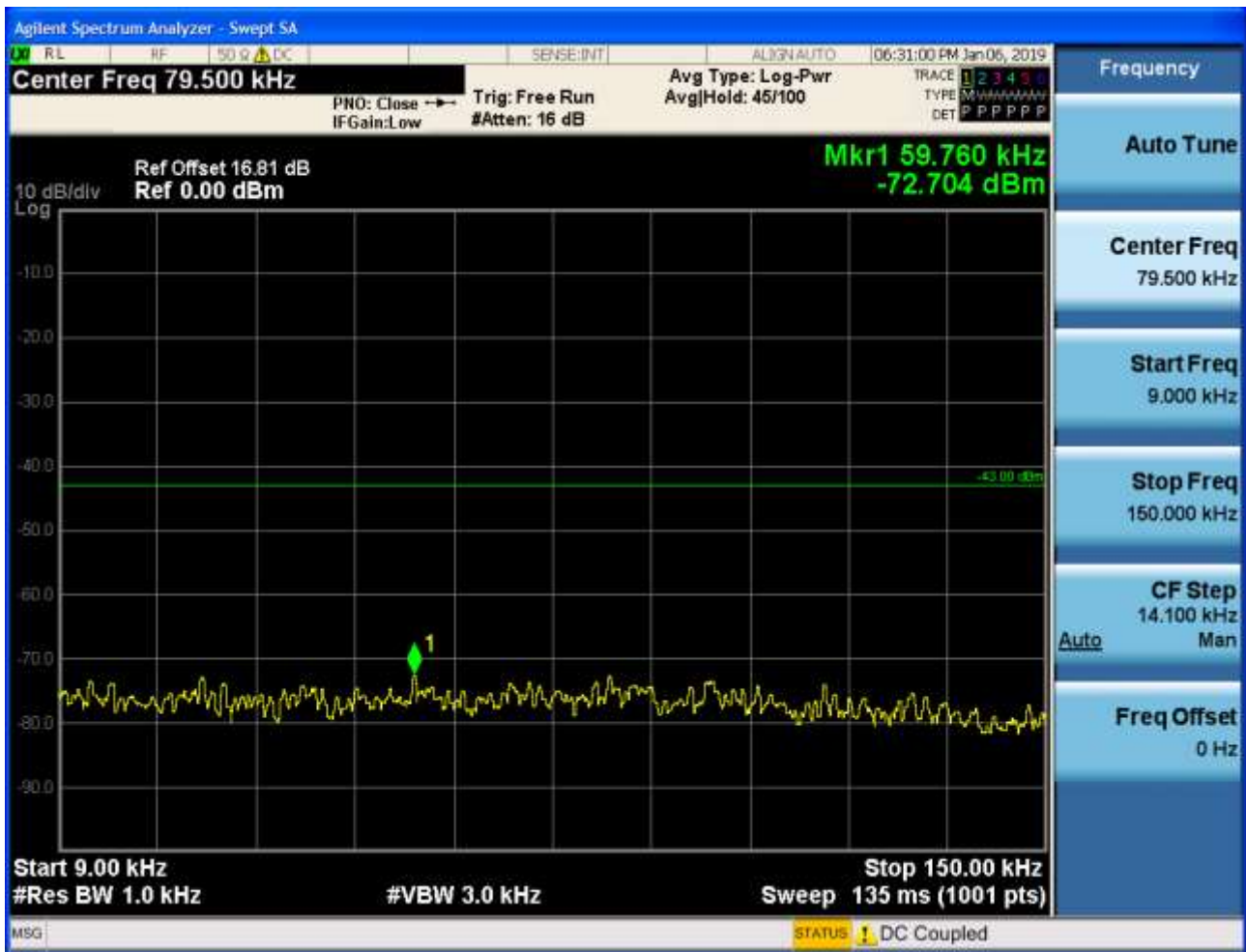




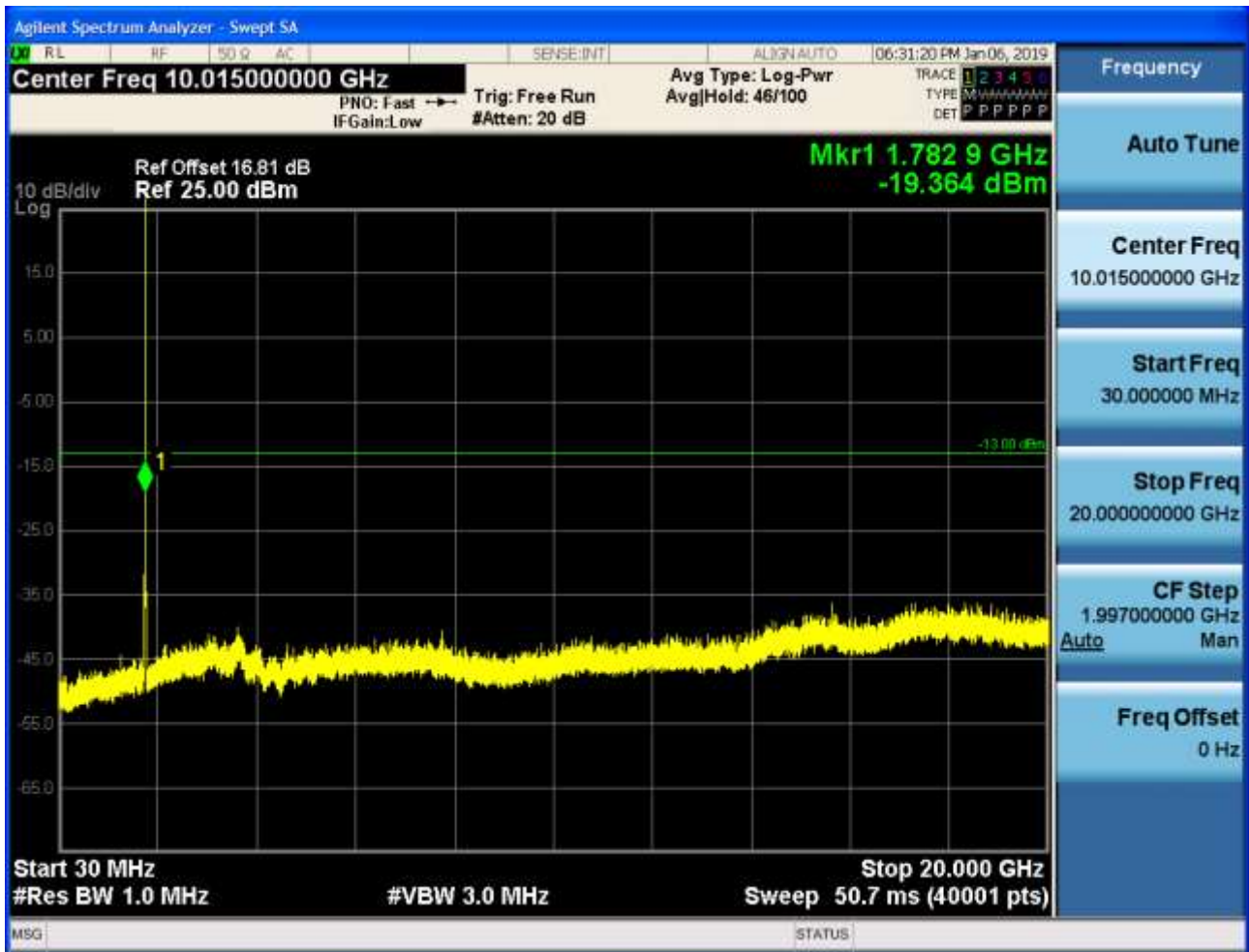


6.2.1.2.4.3 Test Channel = HCH

6.2.1.2.4.3.1 Test RB = RB1#0







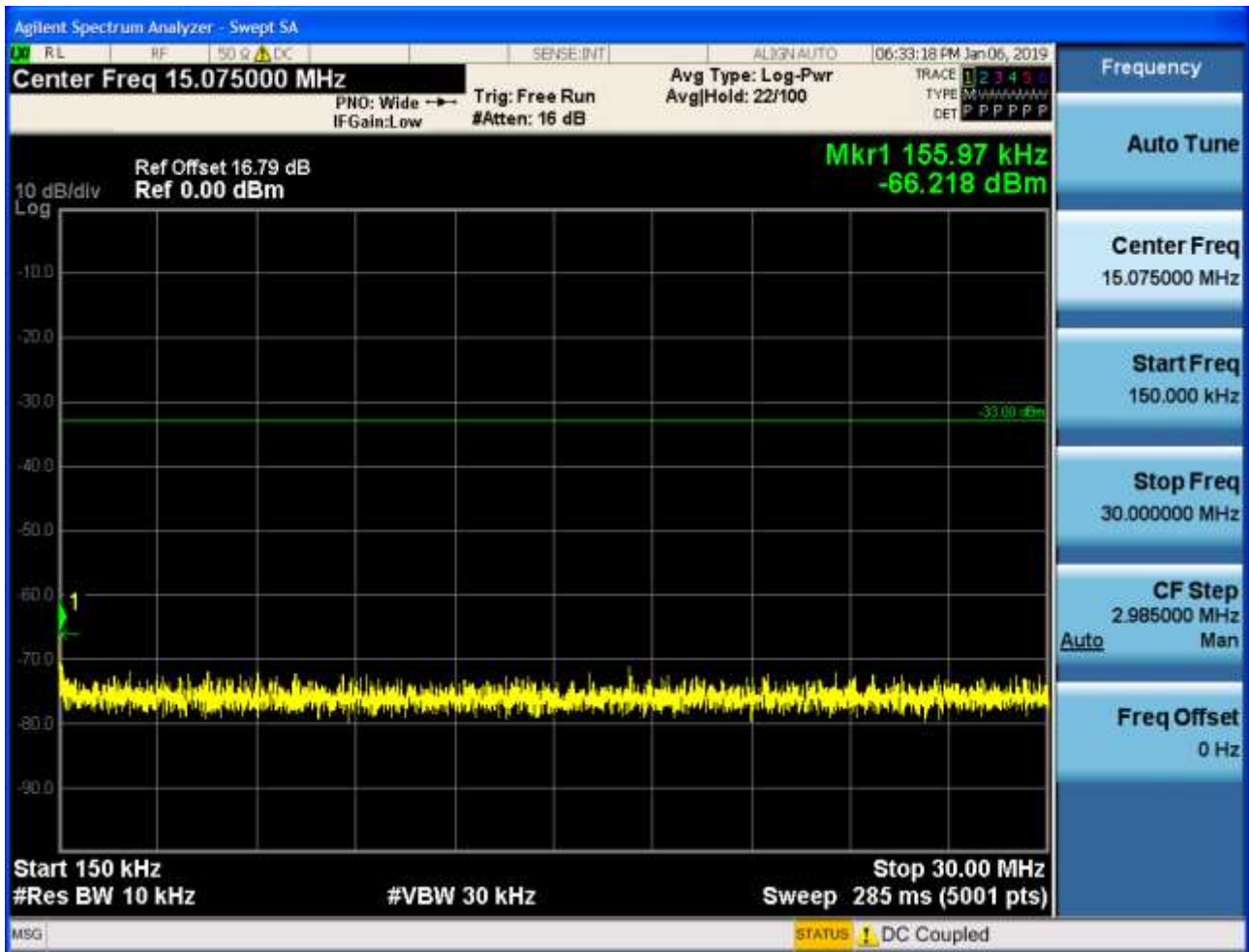


6.2.1.2.5 Test Bandwidth = 15

6.2.1.2.5.1 Test Channel = LCH

6.2.1.2.5.1.1 Test RB = RB1#0



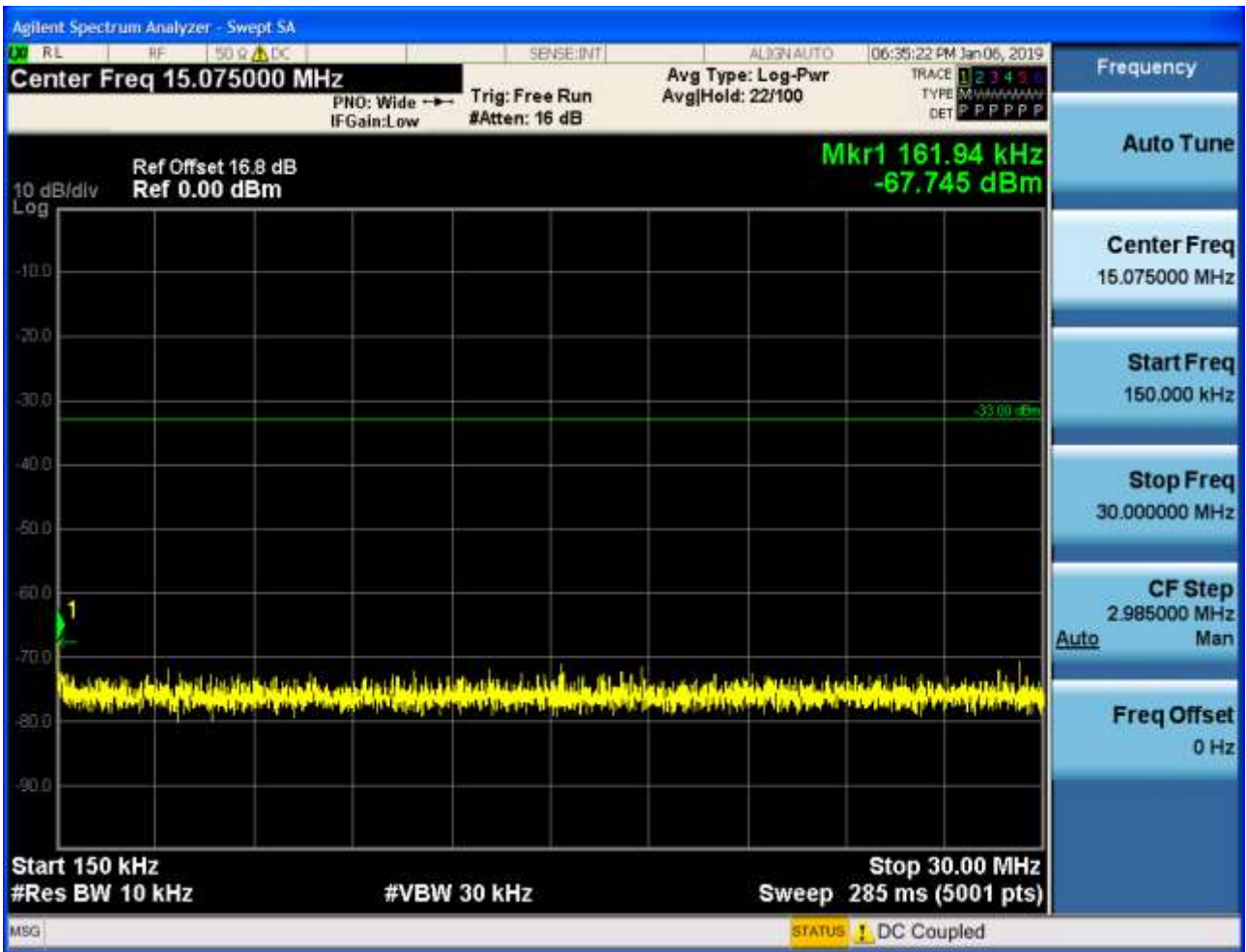




6.2.1.2.5.2 Test Channel = MCH

6.2.1.2.5.2.1 Test RB = RB1#0





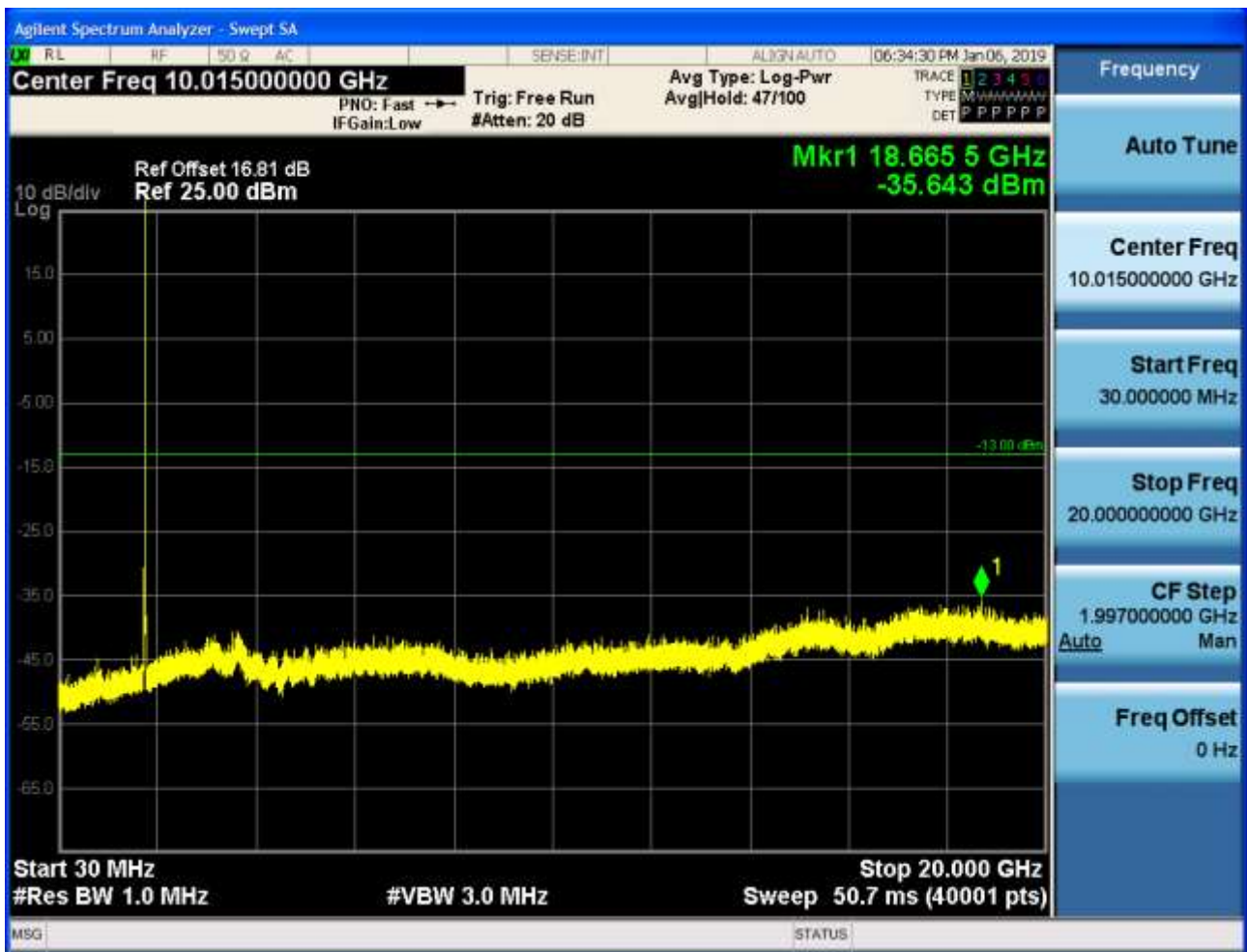


6.2.1.2.5.3 Test Channel = HCH

6.2.1.2.5.3.1 Test RB = RB1#0



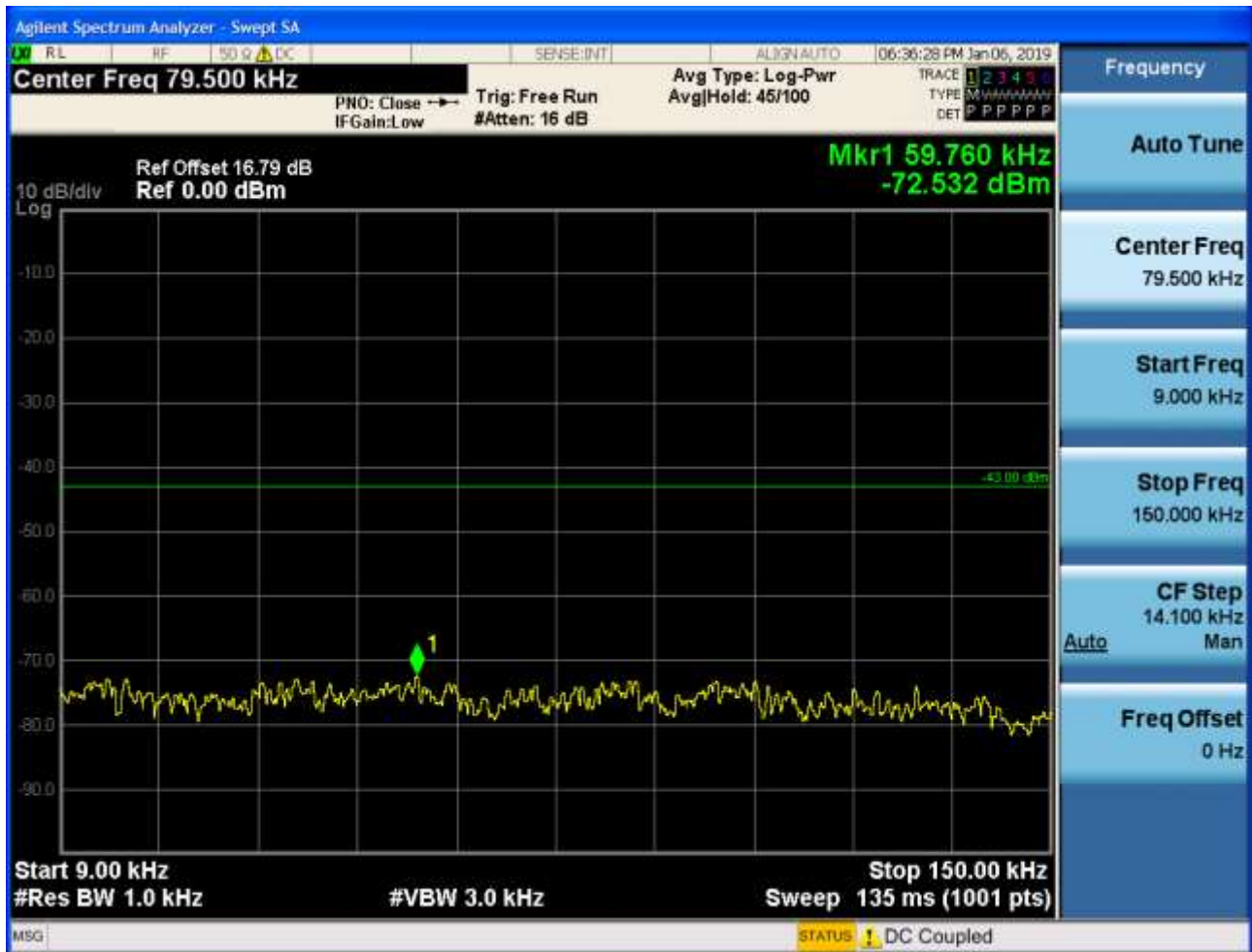




6.2.1.2.6 Test Bandwidth = 20

6.2.1.2.6.1 Test Channel = LCH

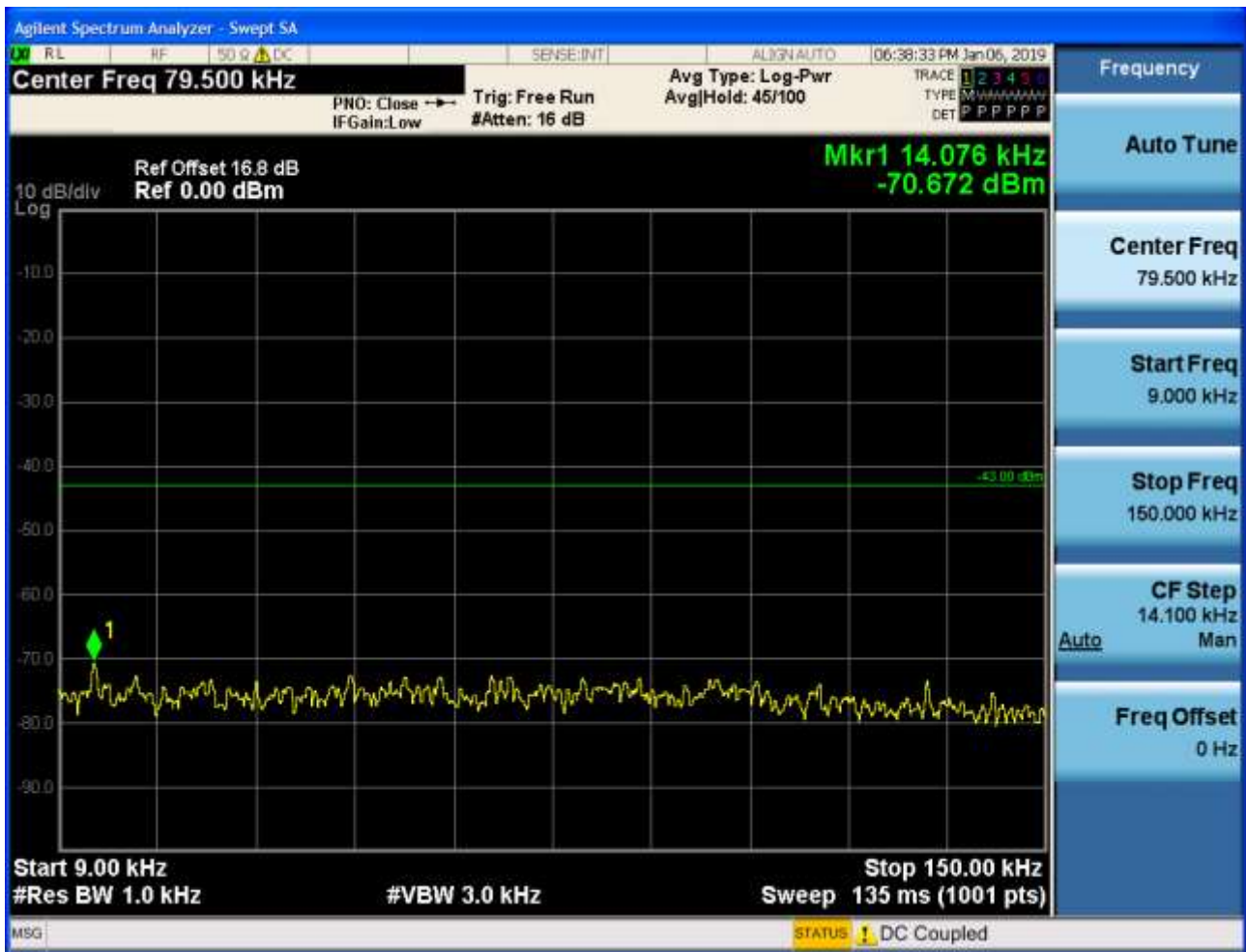
6.2.1.2.6.1.1 Test RB = RB1#0



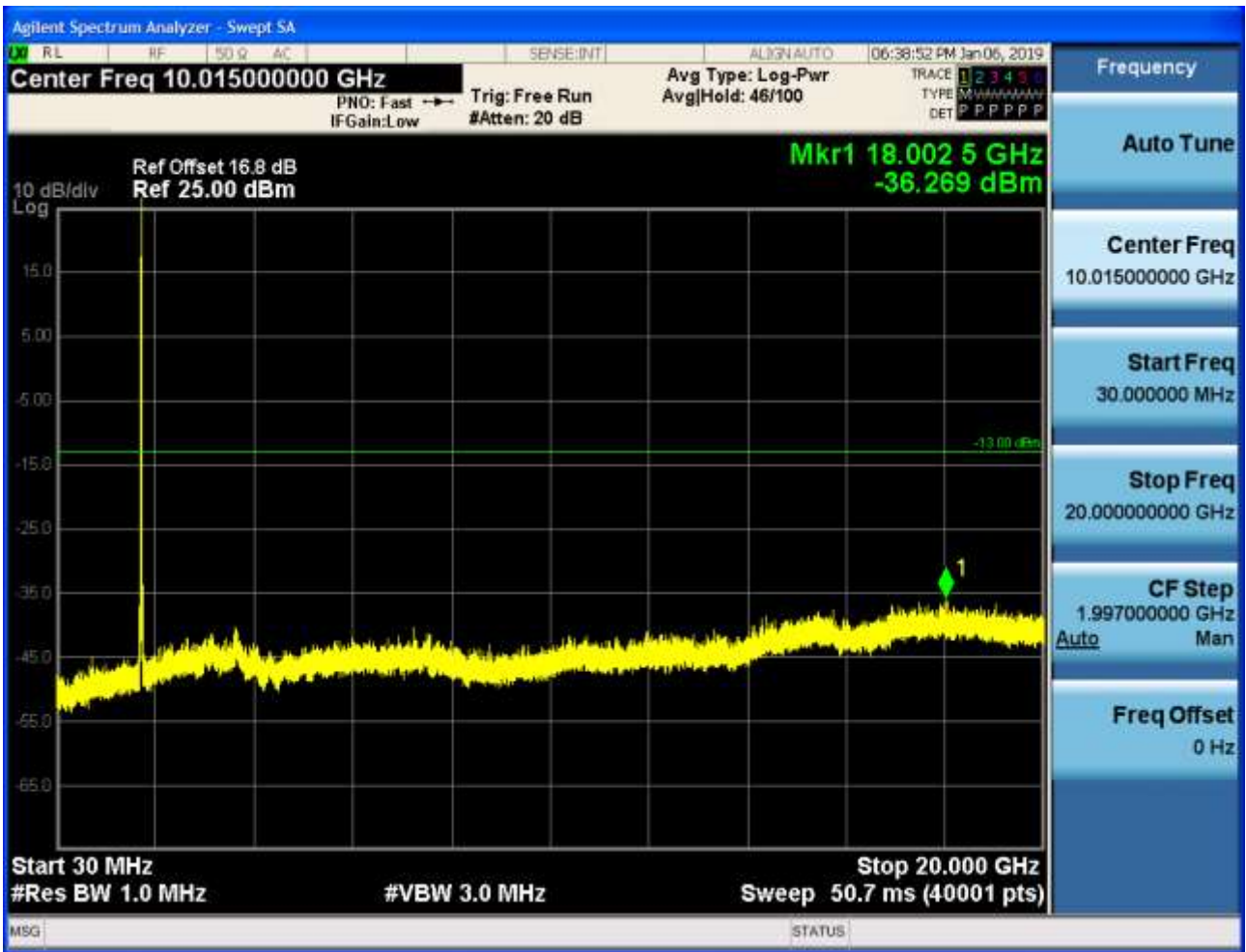


6.2.1.2.6.2 Test Channel = MCH

6.2.1.2.6.2.1 Test RB = RB1#0

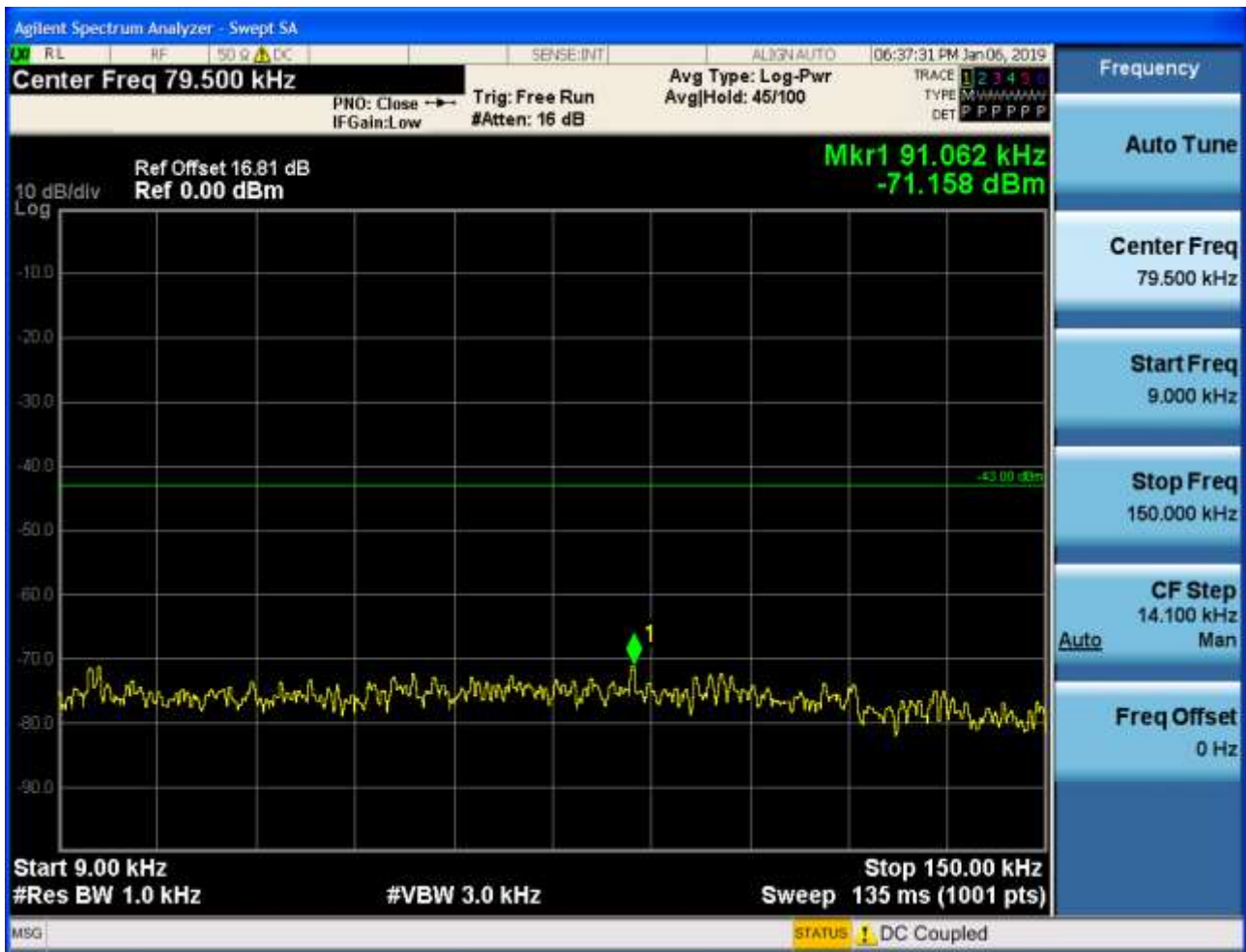






6.2.1.2.6.3 Test Channel = HCH

6.2.1.2.6.3.1 Test RB = RB1#0







7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, RBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, RBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

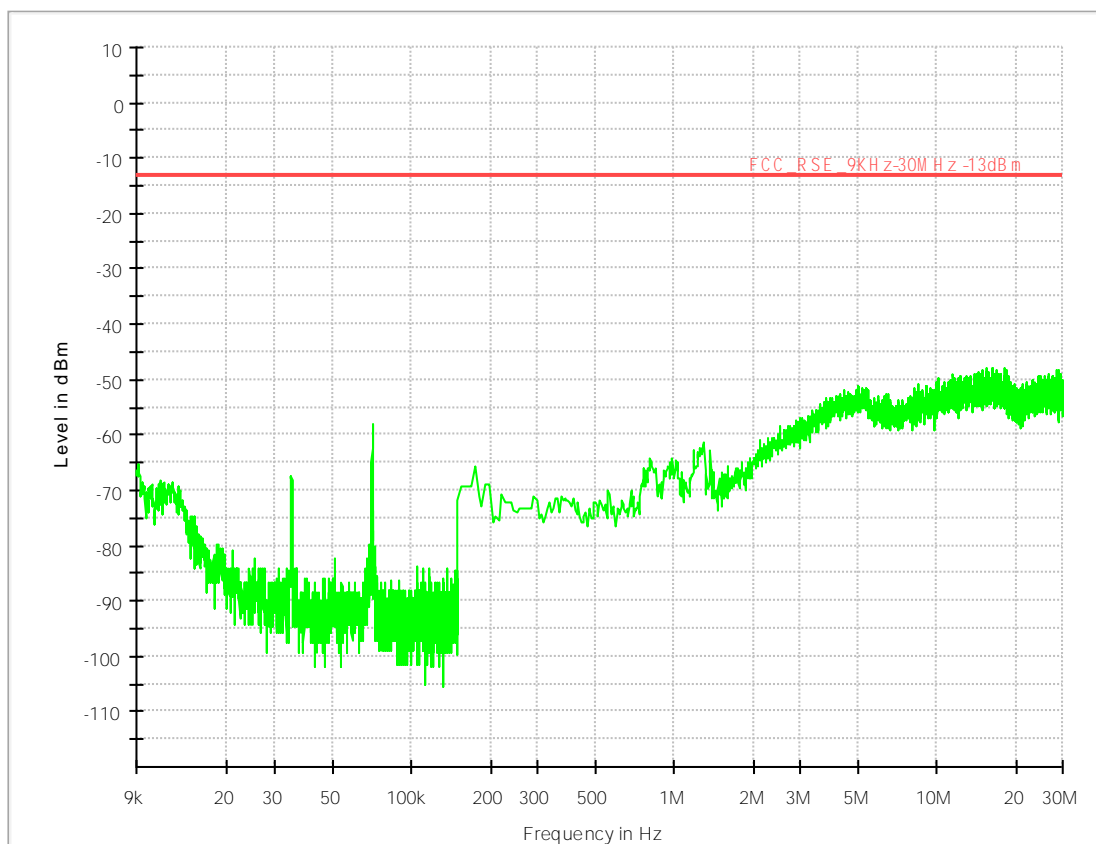
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz Detector: PK

Part I - Test Plots

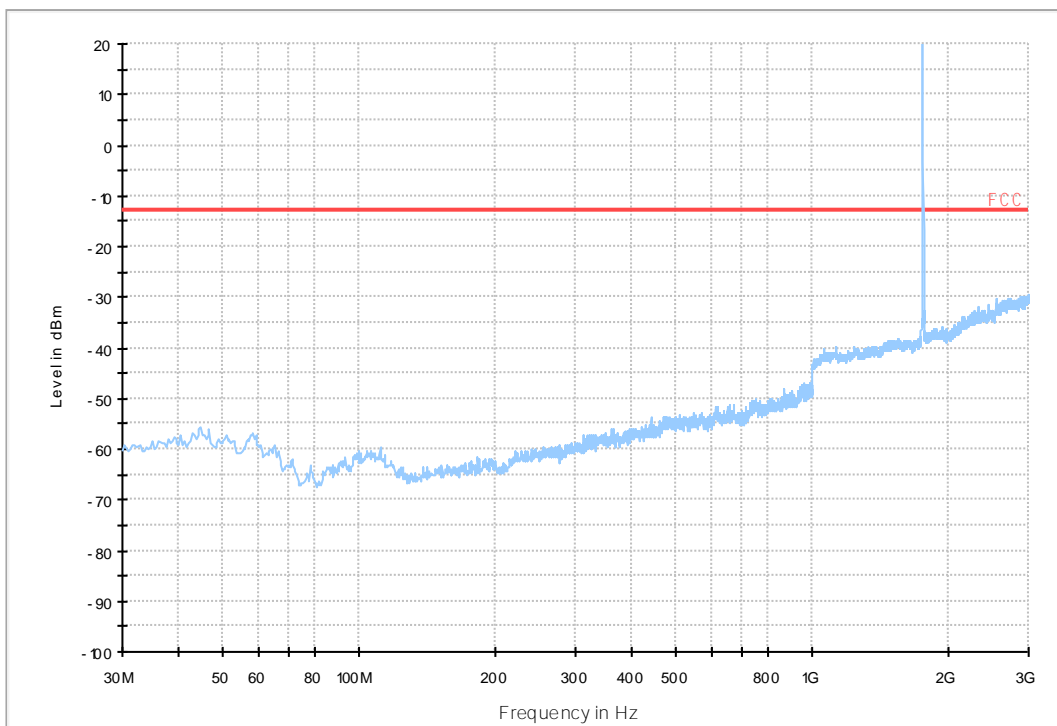
7.1 For LTE

7.1.1 Test Band = Band66_ANT1

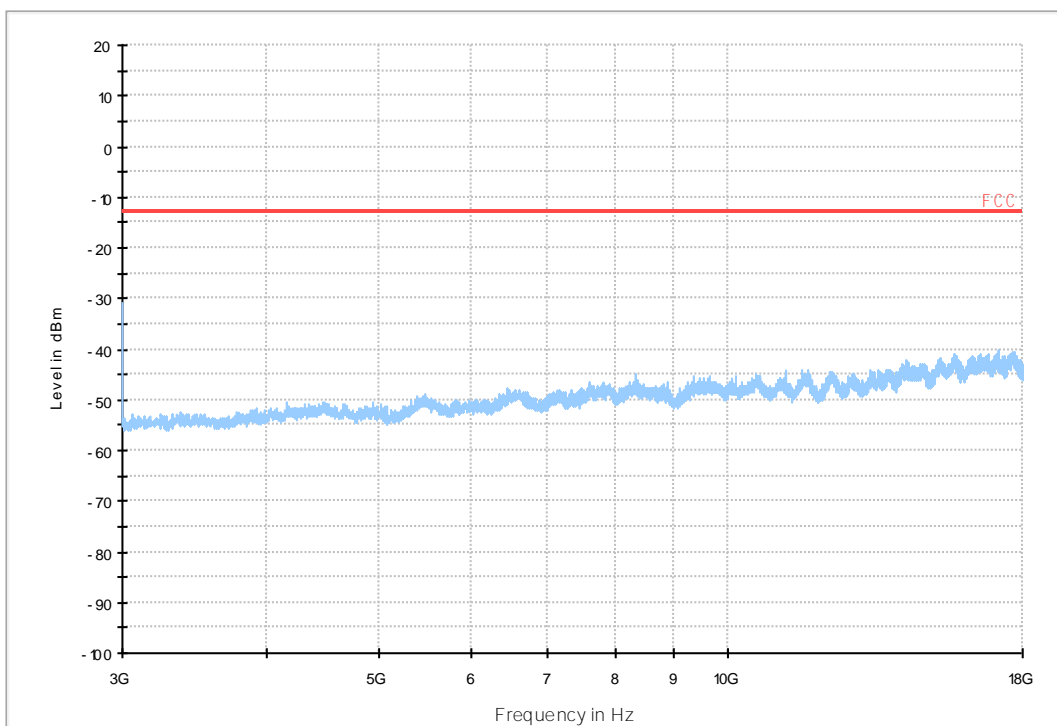
7.1.1.1 Test Bandwidth = 1.4



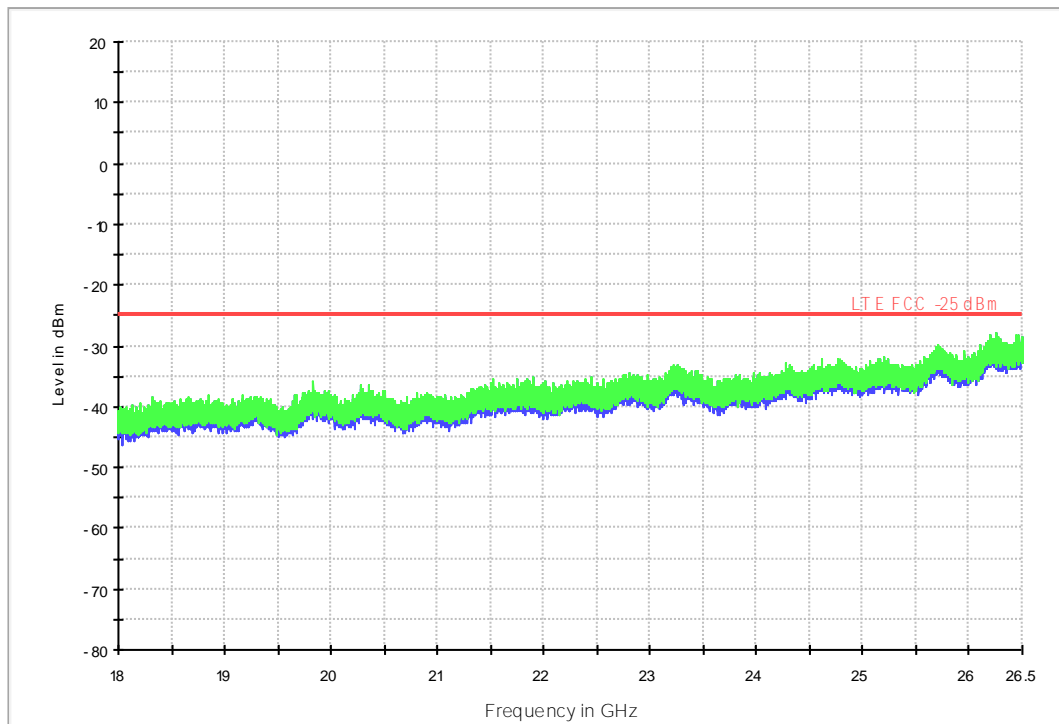
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



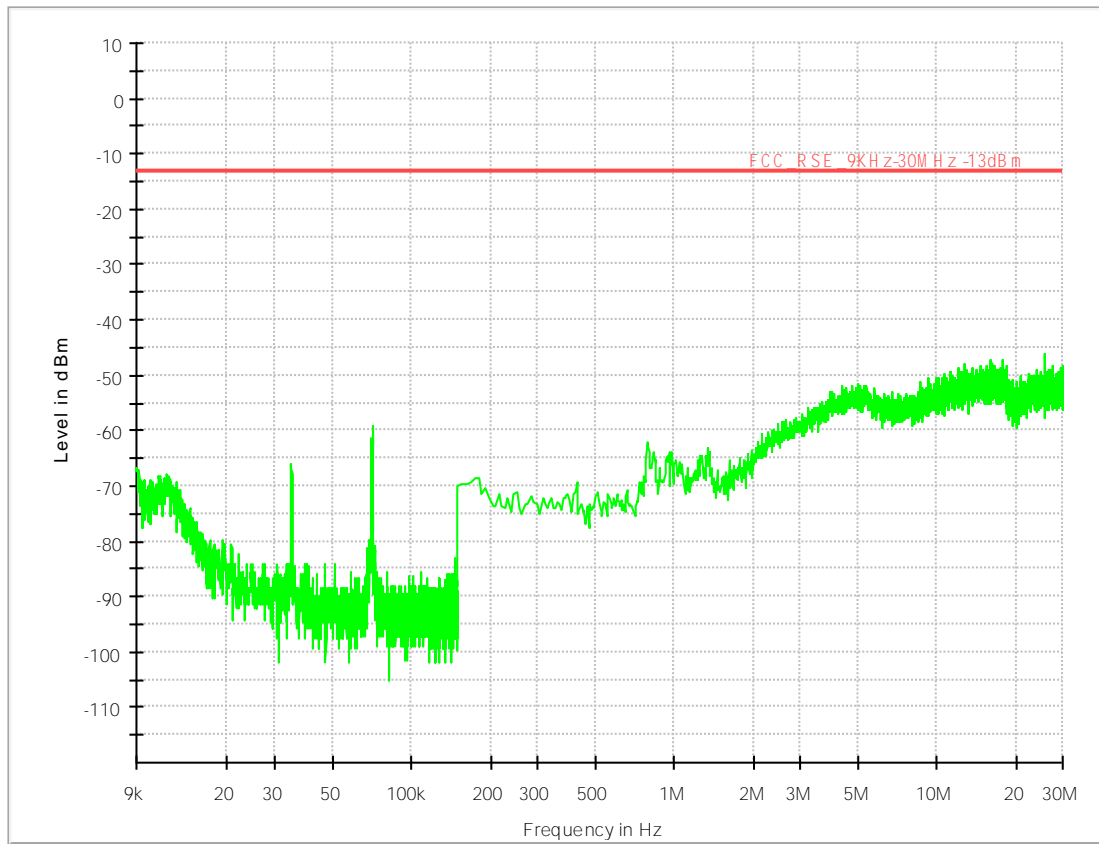
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



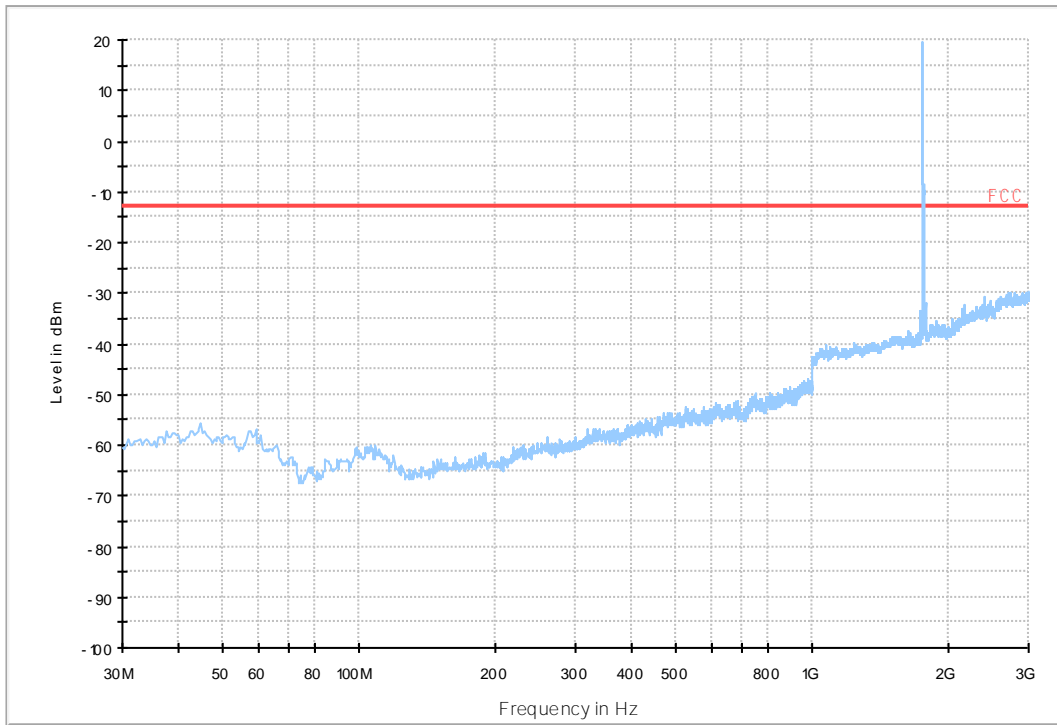
18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



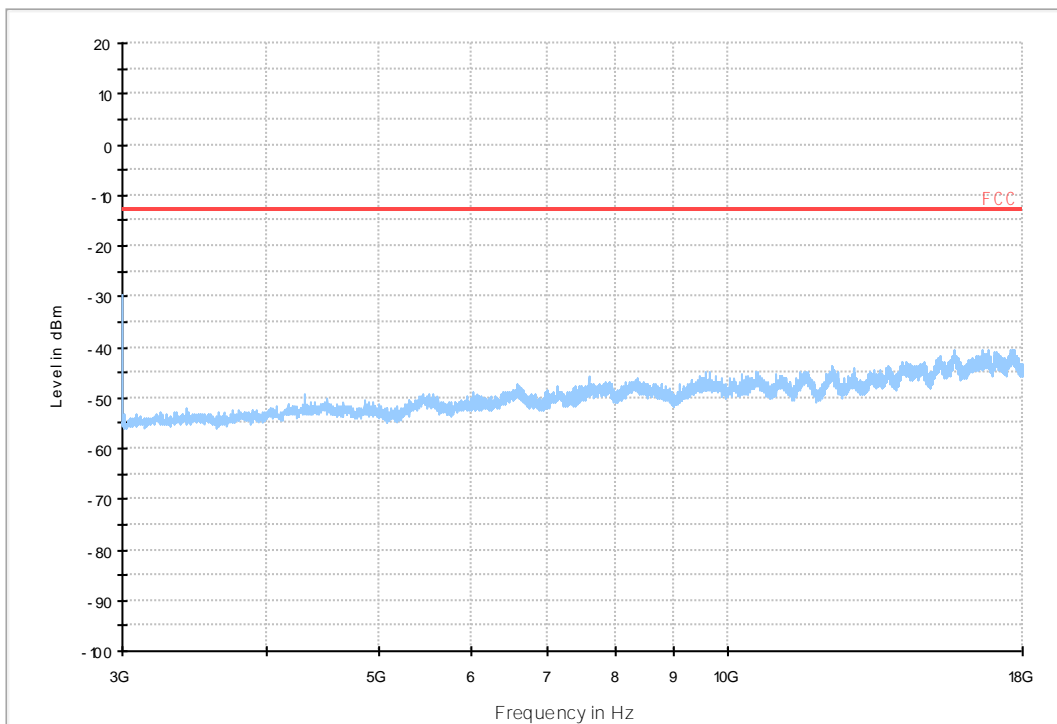
7.1.1.2 Test Bandwidth = 20



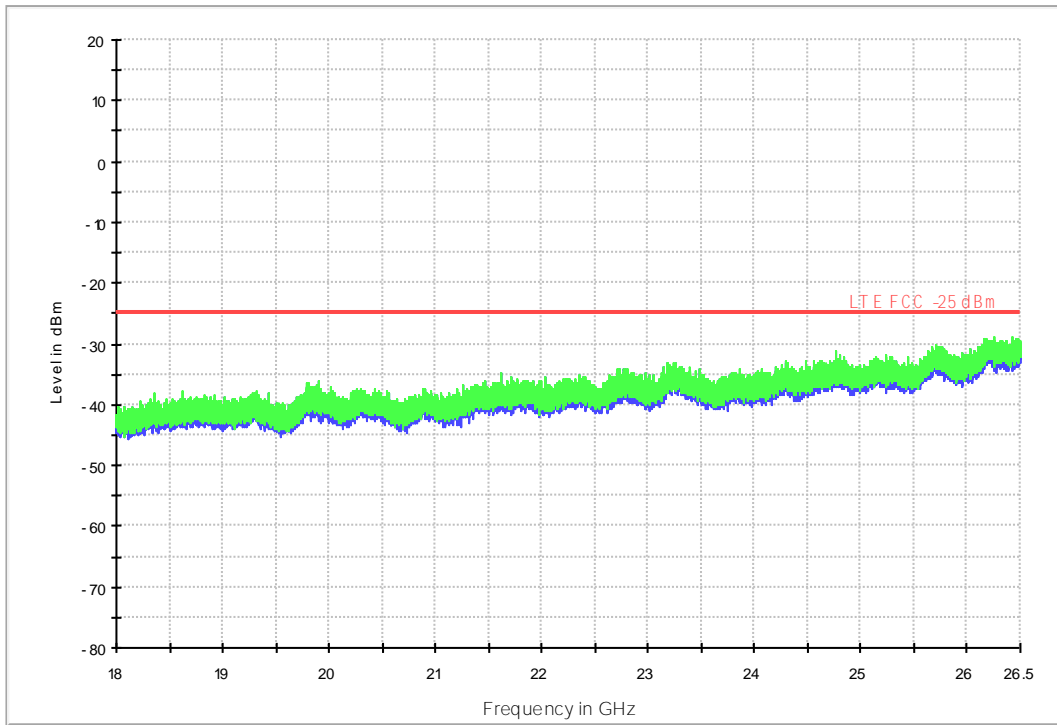
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H

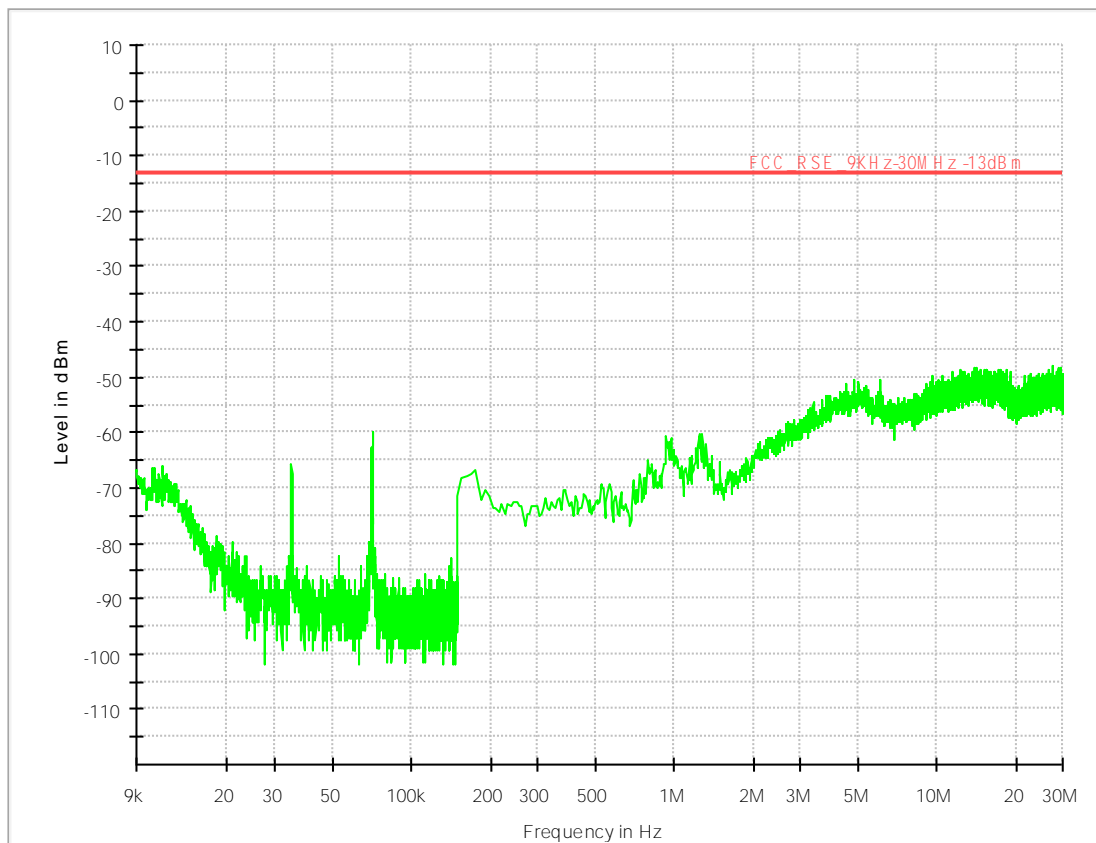


18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK

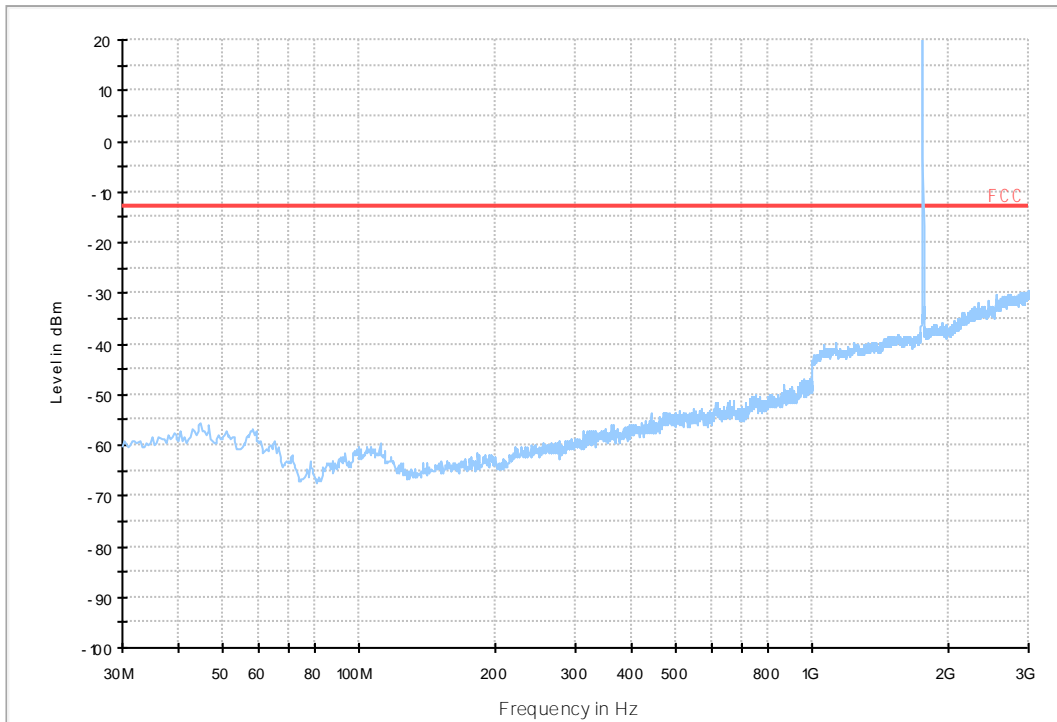


7.1.2 Test Band = Band66_ANT2

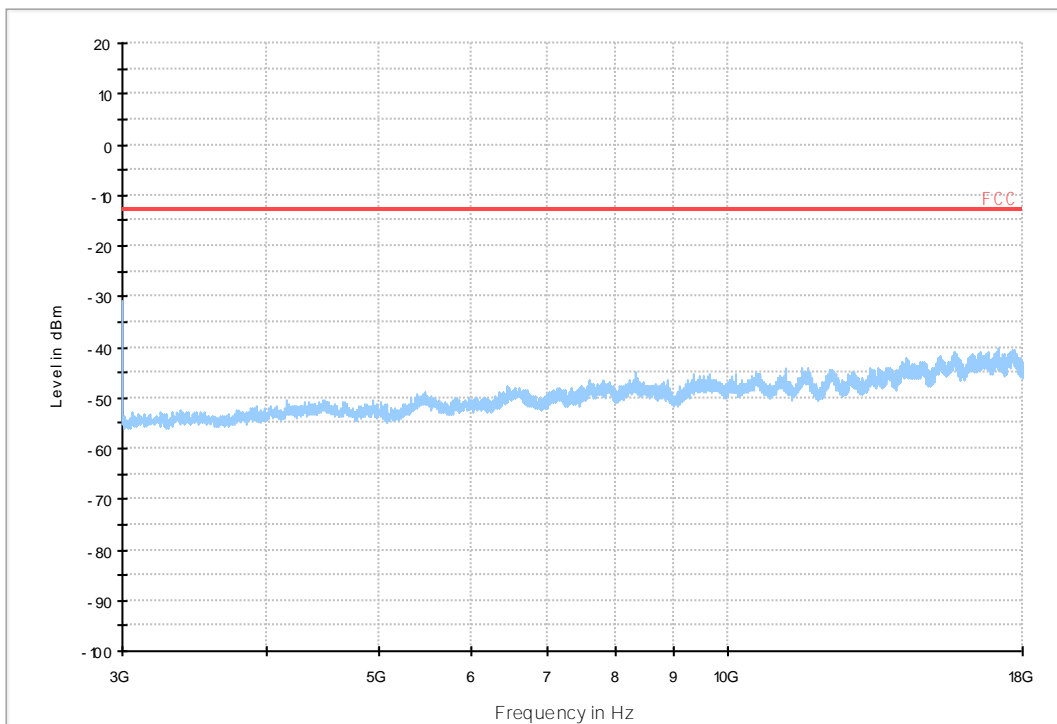
7.1.2.1 Test Bandwidth = 1.4



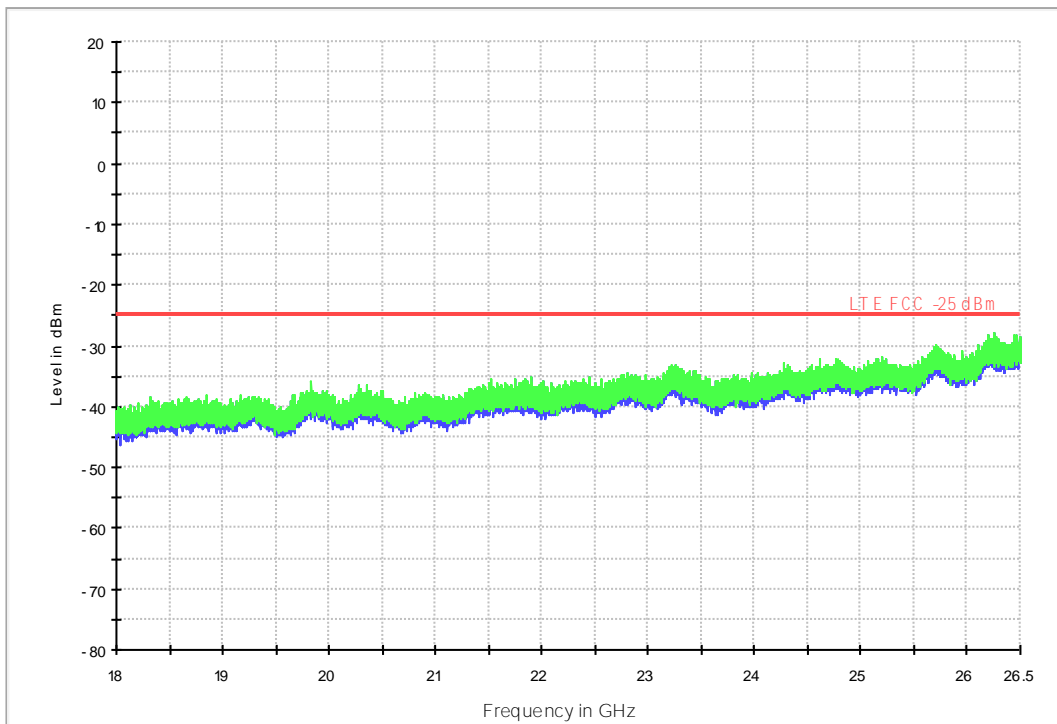
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



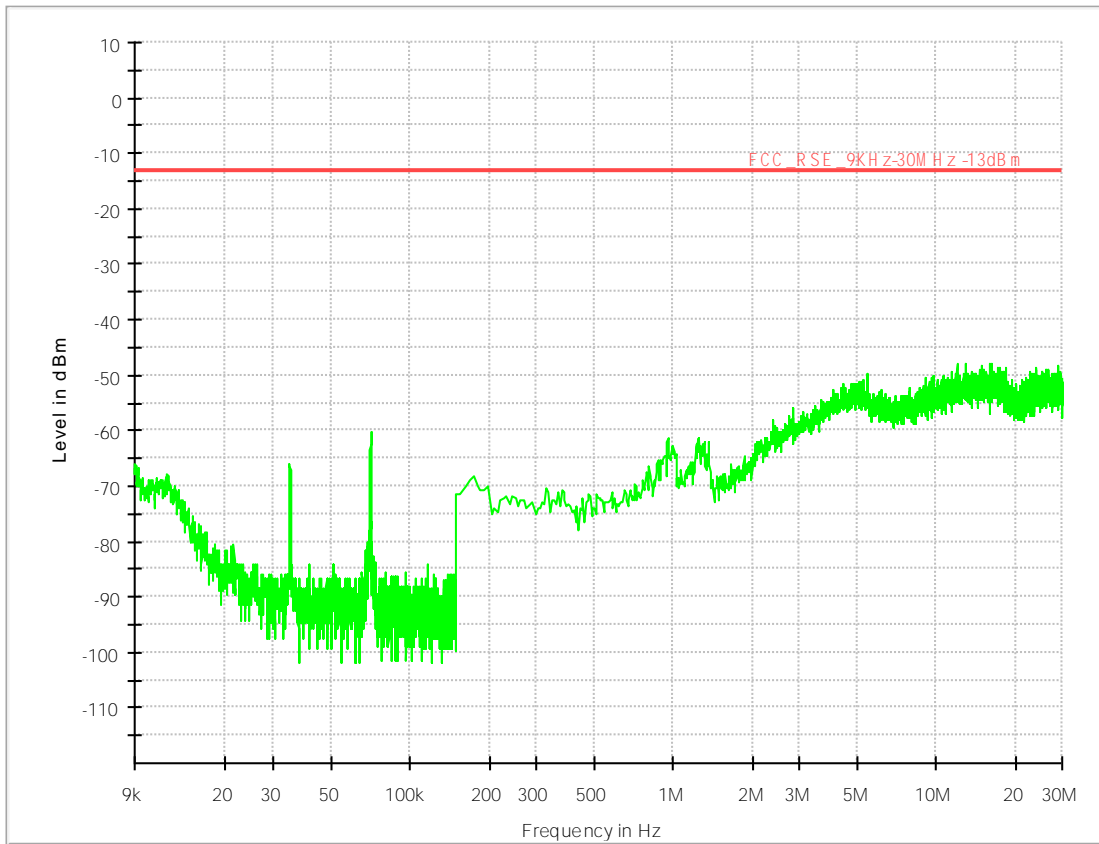
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



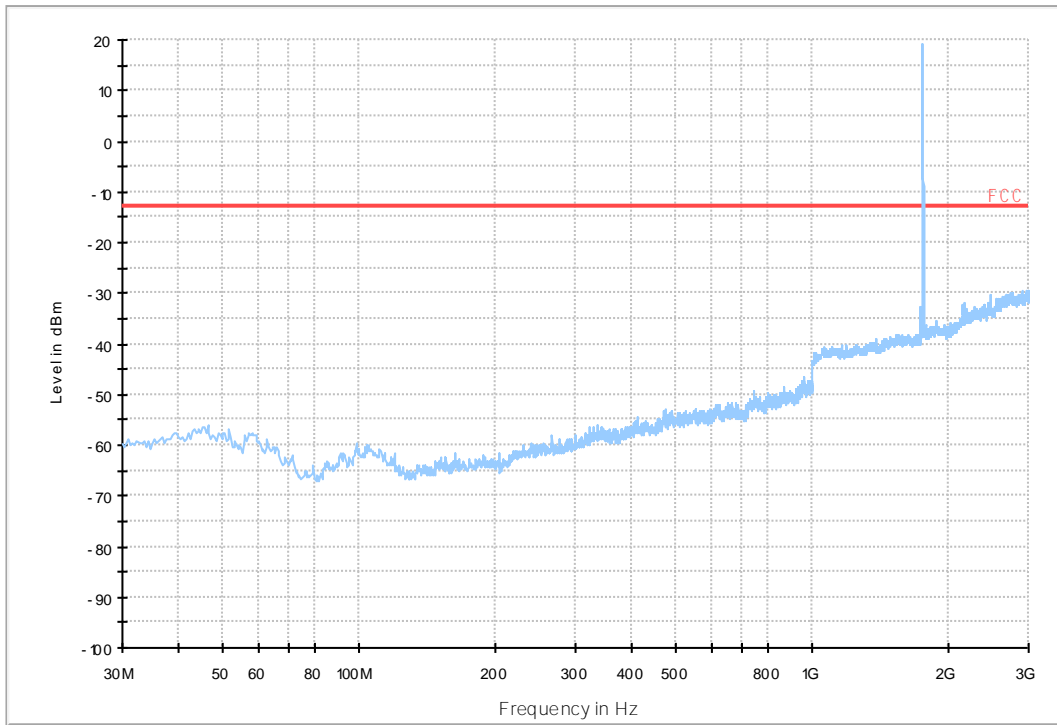
18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



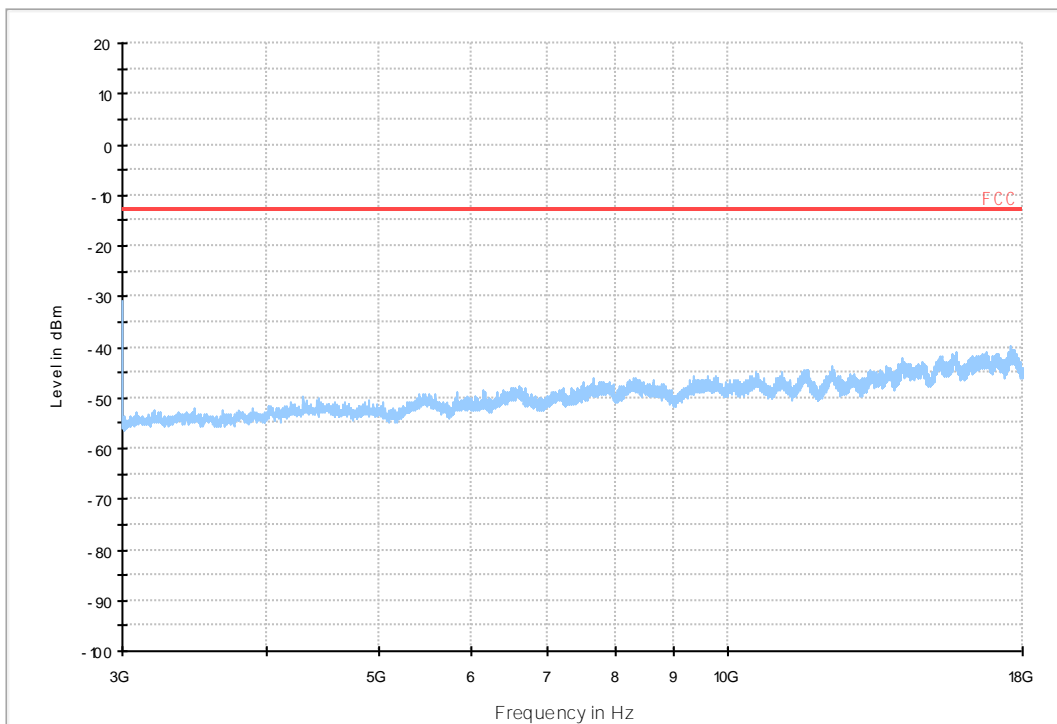
7.1.2.2 Test Bandwidth = 20



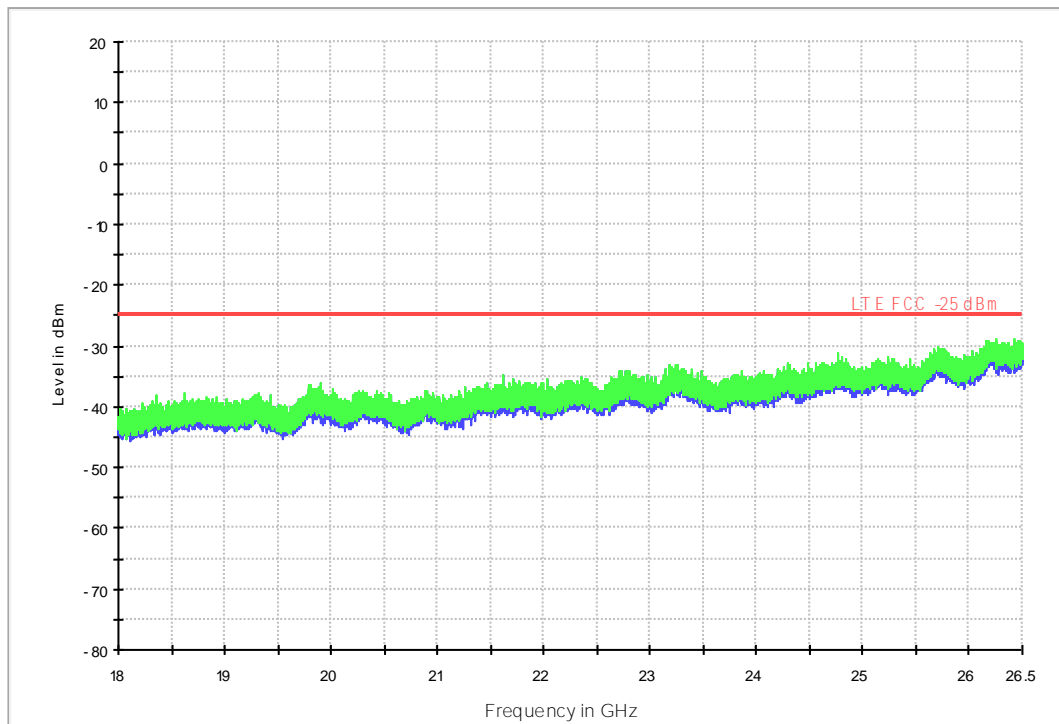
LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_L



LTE FDD RSE-TX-DIRECTOR ABOVE 1.5G_H



18G-26.5G RSE-TX-DIRECTOR ABOVE 1.5G PK



8Appendix_H: Frequency Stability

8.1 For LTE

8.1.1Frequency Error vs. Voltage:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| Band66 | LTE/TM1 | 1.4 | LCH | TN | VL | 33.11634 | 0.01936 | PASS |
| | | | | | VN | 135.12610 | 0.07899 | PASS |
| | | | | | VH | 22.08710 | 0.01291 | PASS |
| | | | MCH | TN | VL | 55.03178 | 0.03154 | PASS |
| | | | | | VN | -73.31371 | -0.04201 | PASS |
| | | | | | VH | -133.89590 | -0.07673 | PASS |
| | | | HCH | TN | VL | -245.47580 | -0.13796 | PASS |
| | | | | | VN | -56.74839 | -0.03189 | PASS |
| | | | | | VH | 29.02508 | 0.01631 | PASS |
| | | 3 | LCH | TN | VL | -2.40326 | -0.00140 | PASS |
| | | | | | VN | 2.67506 | 0.00156 | PASS |
| | | | | | VH | 1.48773 | 0.00087 | PASS |
| | | | MCH | TN | VL | -0.35763 | -0.00020 | PASS |
| | | | | | VN | -9.09805 | -0.00521 | PASS |
| | | | | | VH | -3.23296 | -0.00185 | PASS |
| | | | HCH | TN | VL | -5.29289 | -0.00298 | PASS |
| | | | | | VN | -6.09398 | -0.00343 | PASS |
| | | | | | VH | -0.51498 | -0.00029 | PASS |
| | | 5 | LCH | TN | VL | -7.83920 | -0.00458 | PASS |
| | | | | | VN | 4.63486 | 0.00271 | PASS |
| | | | | | VH | -2.14577 | -0.00125 | PASS |
| | | | MCH | TN | VL | 1.38760 | 0.00080 | PASS |
| | | | | | VN | -4.96387 | -0.00284 | PASS |
| | | | | | VH | -0.41485 | -0.00024 | PASS |
| | | | HCH | TN | VL | -2.13146 | -0.00120 | PASS |
| | | | | | VN | -4.56333 | -0.00257 | PASS |
| | | | | | VH | -2.36034 | -0.00133 | PASS |
| | | 10 | LCH | TN | VL | -6.26564 | -0.00365 | PASS |
| | | | | | VN | -1.28746 | -0.00075 | PASS |
| | | | | | VH | -2.67506 | -0.00156 | PASS |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | | 15 | MCH | TN | VL | -1.63078 | -0.00093 | PASS |
| | | | | | VN | -4.52042 | -0.00259 | PASS |
| | | | | | VH | 0.11444 | 0.00007 | PASS |
| | | | HCH | TN | VL | -4.24862 | -0.00239 | PASS |
| | | | | | VN | -1.53065 | -0.00086 | PASS |
| | | | | | VH | -1.53065 | -0.00086 | PASS |
| | | | LCH | TN | VL | -2.97546 | -0.00173 | PASS |
| | | | | | VN | -0.97275 | -0.00057 | PASS |
| | | | | | VH | 0.97275 | 0.00057 | PASS |
| | | | MCH | TN | VL | 0.10014 | 0.00006 | PASS |
| | | | | | VN | -0.47207 | -0.00027 | PASS |
| | | | | | VH | 0.48637 | 0.00028 | PASS |
| | | HCH | TN | VL | -0.75817 | -0.00043 | PASS | |
| | | | | VN | -2.00272 | -0.00113 | PASS | |
| | | | | VH | -0.17166 | -0.00010 | PASS | |
| | | 20 | LCH | TN | VL | -9.55582 | -0.00556 | PASS |
| | | | | | VN | -3.56197 | -0.00207 | PASS |
| | | | | | VH | -5.52177 | -0.00321 | PASS |
| | | | MCH | TN | VL | -1.24455 | -0.00071 | PASS |
| | | | | | VN | -1.87397 | -0.00107 | PASS |
| | | | | | VH | -0.50068 | -0.00029 | PASS |
| | | | HCH | TN | VL | -1.67370 | -0.00095 | PASS |
| | | | | | VN | -3.30448 | -0.00187 | PASS |
| | | | | | VH | -4.27723 | -0.00242 | PASS |
| | | 1.4 | LCH | TN | VL | 67.20543 | 0.03929 | PASS |
| | | | | | VN | 69.83757 | 0.04082 | PASS |
| | | | | | VH | -7.49588 | -0.00438 | PASS |
| | | | MCH | TN | VL | -16.66546 | -0.00955 | PASS |
| | | | | | VN | -101.90960 | -0.05840 | PASS |
| | | | | | VH | -108.16100 | -0.06198 | PASS |
| | | | HCH | TN | VL | 32.25803 | 0.01813 | PASS |
| | | | | | VN | -12.24518 | -0.00688 | PASS |
| | | | | | VH | -177.66950 | -0.09985 | PASS |
| | | 3 | LCH | TN | VL | 0.62943 | 0.00037 | PASS |
| | | | | | VN | -2.54631 | -0.00149 | PASS |
| | | | | | VH | -4.62055 | -0.00270 | PASS |
| | | | MCH | TN | VL | -7.58171 | -0.00434 | PASS |
| | | | | | VN | -7.28130 | -0.00417 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|----------|------|
| | | 5 | HCH | TN | VH | -8.75473 | -0.00502 | PASS | |
| | | | | | VL | -3.56197 | -0.00200 | PASS | |
| | | | | | VN | -7.32422 | -0.00412 | PASS | |
| | | | | | VH | -4.54903 | -0.00256 | PASS | |
| | | | LCH | TN | VL | -2.86102 | -0.00167 | PASS | |
| | | | | | VN | 1.47343 | 0.00086 | PASS | |
| | | | | | VH | -6.73771 | -0.00393 | PASS | |
| | | | | MCH | TN | VL | 1.33038 | 0.00076 | PASS |
| | | | | | | VN | -3.50475 | -0.00201 | PASS |
| | | | | | | VH | 0.42915 | 0.00025 | PASS |
| | | | HCH | TN | VL | -6.00815 | -0.00338 | PASS | |
| | | | | | VN | -5.52177 | -0.00311 | PASS | |
| | | VH | | | -4.87804 | -0.00274 | PASS | | |
| | | 10 | LCH | TN | VL | -3.80516 | -0.00222 | PASS | |
| | | | | | VN | -5.19276 | -0.00303 | PASS | |
| | | | | | VH | -10.70023 | -0.00624 | PASS | |
| | | | MCH | TN | VL | 2.43187 | 0.00139 | PASS | |
| | | | | | VN | -3.66211 | -0.00210 | PASS | |
| | | | | | VH | -0.97275 | -0.00056 | PASS | |
| | | | HCH | TN | VL | 0.35763 | 0.00020 | PASS | |
| | | | | | VN | -5.42164 | -0.00305 | PASS | |
| | | | | | VH | -2.67506 | -0.00151 | PASS | |
| | | | 15 | LCH | TN | VL | -0.08583 | -0.00005 | PASS |
| | | | | | | VN | -0.81539 | -0.00047 | PASS |
| | | | | | | VH | -2.33173 | -0.00136 | PASS |
| | | MCH | | TN | VL | 2.34604 | 0.00134 | PASS | |
| | | | | | VN | -2.38895 | -0.00137 | PASS | |
| | | | | | VH | -0.34332 | -0.00020 | PASS | |
| | | HCH | | TN | VL | 0.72956 | 0.00041 | PASS | |
| | | | | | VN | -2.93255 | -0.00165 | PASS | |
| | | | | | VH | -1.08719 | -0.00061 | PASS | |
| | | 20 | LCH | TN | VL | -4.39167 | -0.00255 | PASS | |
| | | | | | VN | -7.85351 | -0.00457 | PASS | |
| | | | | | VH | -6.30856 | -0.00367 | PASS | |
| | | | MCH | TN | VL | 0.78678 | 0.00045 | PASS | |
| | | | | | VN | -2.76089 | -0.00158 | PASS | |
| | | | | | VH | 0.57220 | 0.00033 | PASS | |
| | | | HCH | TN | VL | 0.77248 | 0.00044 | PASS | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Temp. | Test Volt. | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|------------|------------------|-----------------------|---------|
| | | | | | VN | -5.00679 | -0.00283 | PASS |
| | | | | | VH | -1.75953 | -0.00099 | PASS |

8.1.2 Frequency Error vs. Temperature:

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| Band66 | LTE/TM1 | 1.4 | LCH | VN | -30 | 62.74223 | 0.03668 | PASS |
| | | | | | -20 | 90.52277 | 0.05292 | PASS |
| | | | | | -10 | 23.71788 | 0.01386 | PASS |
| | | | | | 0 | 127.68750 | 0.07464 | PASS |
| | | | | | 10 | -124.11120 | -0.07255 | PASS |
| | | | | | 20 | 135.12610 | 0.07899 | PASS |
| | | | | | 30 | 13.79013 | 0.00806 | PASS |
| | | | | | 40 | 4.00543 | 0.00234 | PASS |
| | | | 50 | 28.49579 | 0.01666 | PASS | | |
| | | | MCH | VN | -30 | -8.88348 | -0.00509 | PASS |
| | | | | | -20 | -11.11507 | -0.00637 | PASS |
| | | | | | -10 | 30.54142 | 0.01750 | PASS |
| | | | | | 0 | -4.67777 | -0.00268 | PASS |
| | | | | | 10 | -142.76500 | -0.08181 | PASS |
| | | | | | 20 | -73.31371 | -0.04201 | PASS |
| | | | | | 30 | 70.71018 | 0.04052 | PASS |
| | | | | | 40 | -107.94640 | -0.06186 | PASS |
| | | | 50 | -52.94323 | -0.03034 | PASS | | |
| | | | HCH | VN | -30 | -31.87180 | -0.01791 | PASS |
| | | | | | -20 | -8.75473 | -0.00492 | PASS |
| | | | | | -10 | -18.48221 | -0.01039 | PASS |
| | | | | | 0 | 62.55627 | 0.03516 | PASS |
| | | | | | 10 | -247.65010 | -0.13918 | PASS |
| | | | | | 20 | -56.74839 | -0.03189 | PASS |
| | | 30 | | | -11.48701 | -0.00646 | PASS | |
| | | 40 | | | -2.14577 | -0.00121 | PASS | |
| | | 50 | 27.90928 | 0.01569 | PASS | | | |
| | | 3 | LCH | VN | -30 | -3.06129 | -0.00179 | PASS |
| | | | | | -20 | 2.97546 | 0.00174 | PASS |
| | | | | | -10 | -5.47886 | -0.00320 | PASS |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | | |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|----------|----------|------|
| | | | | | 0 | -0.71526 | -0.00042 | PASS | | | |
| | | | | | 10 | -1.93119 | -0.00113 | PASS | | | |
| | | | | | 20 | 2.67506 | 0.00156 | PASS | | | |
| | | | | | 30 | -3.01838 | -0.00176 | PASS | | | |
| | | | | | 40 | -1.74522 | -0.00102 | PASS | | | |
| | | | | | 50 | 2.07424 | 0.00121 | PASS | | | |
| | | | MCH | VN | -30 | -3.49045 | -0.00200 | PASS | | | |
| | | | | | -20 | -7.72476 | -0.00443 | PASS | | | |
| | | | | | -10 | -4.13418 | -0.00237 | PASS | | | |
| | | | | | 0 | -3.34740 | -0.00192 | PASS | | | |
| | | | | | 10 | -4.59194 | -0.00263 | PASS | | | |
| | | | | | 20 | -9.09805 | -0.00521 | PASS | | | |
| | | | | | 30 | -3.83377 | -0.00220 | PASS | | | |
| | | | | | 40 | -7.13825 | -0.00409 | PASS | | | |
| | | | HCH | VN | 50 | -3.41892 | -0.00196 | PASS | | | |
| | | | | | -30 | -11.31535 | -0.00636 | PASS | | | |
| | | | | | -20 | -5.79357 | -0.00326 | PASS | | | |
| | | | | | -10 | -2.74658 | -0.00154 | PASS | | | |
| | | | | | 0 | -7.36713 | -0.00414 | PASS | | | |
| | | | | | 10 | -10.31399 | -0.00580 | PASS | | | |
| | | | | | 20 | -6.09398 | -0.00343 | PASS | | | |
| | | | | | 30 | -5.17845 | -0.00291 | PASS | | | |
| | | | 5 | LCH | VN | 40 | 1.20163 | 0.00068 | PASS | | |
| | | | | | | 50 | -2.88963 | -0.00162 | PASS | | |
| | | | | | | -30 | -2.57492 | -0.00150 | PASS | | |
| | | | | | | -20 | 1.13010 | 0.00066 | PASS | | |
| | | | | | | -10 | 1.70231 | 0.00099 | PASS | | |
| | | | | | | 0 | 1.74522 | 0.00102 | PASS | | |
| | | | | | | 10 | 0.71526 | 0.00042 | PASS | | |
| | | | | MCH | VN | 20 | 4.63486 | 0.00271 | PASS | | |
| | | | | | | 30 | -1.41621 | -0.00083 | PASS | | |
| | | | | | | 40 | 2.57492 | 0.00150 | PASS | | |
| | | | | | | 50 | -3.23296 | -0.00189 | PASS | | |
| | | | | | | -30 | -6.48022 | -0.00371 | PASS | | |
| | | | | | | -20 | -4.77791 | -0.00274 | PASS | | |
| | | | | | | -10 | -6.92368 | -0.00397 | PASS | | |
| | | | | | | | | 0 | -3.26157 | -0.00187 | PASS |
| | | | | | | | | 10 | -3.04699 | -0.00175 | PASS |
| | | | | | | | | 20 | -4.96387 | -0.00284 | PASS |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| | | | | | 30 | -4.57764 | -0.00262 | PASS |
| | | | | | 40 | 0.57220 | 0.00033 | PASS |
| | | | | | 50 | -4.89235 | -0.00280 | PASS |
| | | | HCH | VN | -30 | -8.32558 | -0.00468 | PASS |
| | | | | | -20 | -1.28746 | -0.00072 | PASS |
| | | | | | -10 | -3.41892 | -0.00192 | PASS |
| | | | | | 0 | -2.05994 | -0.00116 | PASS |
| | | | | | 10 | -3.07560 | -0.00173 | PASS |
| | | | | | 20 | -4.56333 | -0.00257 | PASS |
| | | | | | 30 | -4.22001 | -0.00237 | PASS |
| | | | | | 40 | -3.30448 | -0.00186 | PASS |
| | | | | | 50 | -5.46455 | -0.00307 | PASS |
| | | | LCH | VN | -30 | 0.28610 | 0.00017 | PASS |
| | | | | | -20 | 0.44346 | 0.00026 | PASS |
| | | | | | -10 | -1.67370 | -0.00098 | PASS |
| | | 0 | | | 0.95844 | 0.00056 | PASS | |
| | | 10 | | | 0.38624 | 0.00023 | PASS | |
| | | 20 | | | -1.28746 | -0.00075 | PASS | |
| | | 30 | | | 2.57492 | 0.00150 | PASS | |
| | | 40 | | | 2.18868 | 0.00128 | PASS | |
| | | 50 | | | -0.77248 | -0.00045 | PASS | |
| | | MCH | VN | -30 | -1.08719 | -0.00062 | PASS | |
| | | | | -20 | -1.88827 | -0.00108 | PASS | |
| | | | | -10 | -2.77519 | -0.00159 | PASS | |
| | | | | 0 | -0.31471 | -0.00018 | PASS | |
| | | | | 10 | -2.33173 | -0.00134 | PASS | |
| | | | | 20 | -4.52042 | -0.00259 | PASS | |
| | | | | 30 | -2.94685 | -0.00169 | PASS | |
| | | | | 40 | 0.18597 | 0.00011 | PASS | |
| | | | | 50 | -2.98977 | -0.00171 | PASS | |
| | | HCH | VN | -30 | -4.64916 | -0.00262 | PASS | |
| | | | | -20 | 2.01702 | 0.00114 | PASS | |
| | | | | -10 | -2.00272 | -0.00113 | PASS | |
| | | | | 0 | 0.11444 | 0.00006 | PASS | |
| | | | | 10 | -0.18597 | -0.00010 | PASS | |
| | | | | 20 | -1.53065 | -0.00086 | PASS | |
| 30 | 0.75817 | | | 0.00043 | PASS | | | |
| 40 | -2.03133 | | | -0.00114 | PASS | | | |
| 50 | -1.28746 | | | -0.00073 | PASS | | | |
| | | 10 | | | | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| | | 15 | LCH | VN | -30 | -2.61784 | -0.00152 | PASS |
| | | | | | -20 | 1.43051 | 0.00083 | PASS |
| | | | | | -10 | -4.70638 | -0.00274 | PASS |
| | | | | | 0 | -2.67506 | -0.00156 | PASS |
| | | | | | 10 | -1.15871 | -0.00067 | PASS |
| | | | | | 20 | -0.97275 | -0.00057 | PASS |
| | | | | | 30 | -1.14441 | -0.00067 | PASS |
| | | | | | 40 | 0.30041 | 0.00017 | PASS |
| | | | | | 50 | -1.75953 | -0.00102 | PASS |
| | | | MCH | VN | -30 | -5.55039 | -0.00318 | PASS |
| | | | | | -20 | -1.77383 | -0.00102 | PASS |
| | | | | | -10 | -3.01838 | -0.00173 | PASS |
| | | | | | 0 | -3.84808 | -0.00221 | PASS |
| | | | | | 10 | -3.81947 | -0.00219 | PASS |
| | | | | | 20 | -0.47207 | -0.00027 | PASS |
| | | | | | 30 | -1.04427 | -0.00060 | PASS |
| | | | | | 40 | 1.02997 | 0.00059 | PASS |
| | | | | | 50 | -2.08855 | -0.00120 | PASS |
| | | | HCH | VN | -30 | -5.03540 | -0.00284 | PASS |
| | | | | | -20 | -0.88692 | -0.00050 | PASS |
| | | | | | -10 | -3.93391 | -0.00222 | PASS |
| | | | | | 0 | -1.13010 | -0.00064 | PASS |
| | | | | | 10 | -7.66754 | -0.00433 | PASS |
| | | | | | 20 | -2.00272 | -0.00113 | PASS |
| | | 30 | | | -1.50204 | -0.00085 | PASS | |
| | | 40 | | | -0.14305 | -0.00008 | PASS | |
| | | 50 | | | -5.24998 | -0.00296 | PASS | |
| | | 20 | LCH | VN | -30 | -1.10149 | -0.00064 | PASS |
| | | | | | -20 | -1.37329 | -0.00080 | PASS |
| | | | | | -10 | -3.40462 | -0.00198 | PASS |
| | | | | | 0 | -1.70231 | -0.00099 | PASS |
| | | | | | 10 | -5.24998 | -0.00305 | PASS |
| | | | | | 20 | -3.56197 | -0.00207 | PASS |
| | | | | | 30 | -0.14305 | -0.00008 | PASS |
| | | | | | 40 | -1.35899 | -0.00079 | PASS |
| | | | | | 50 | -1.65939 | -0.00096 | PASS |
| MCH | VN | | -30 | -0.45776 | -0.00026 | PASS | | |
| | | | -20 | 1.53065 | 0.00088 | PASS | | |
| | | | -10 | -2.97546 | -0.00171 | PASS | | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict |
|-----------|------------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|
| | | | | | 0 | -1.02997 | -0.00059 | PASS |
| | | | | | 10 | -2.18868 | -0.00125 | PASS |
| | | | | | 20 | -1.87397 | -0.00107 | PASS |
| | | | | | 30 | -1.48773 | -0.00085 | PASS |
| | | | | | 40 | 0.41485 | 0.00024 | PASS |
| | | | | | 50 | -0.87261 | -0.00050 | PASS |
| | | | HCH | VN | -30 | -2.01702 | -0.00114 | PASS |
| | | | | | -20 | -2.63214 | -0.00149 | PASS |
| | | | | | -10 | -3.80516 | -0.00215 | PASS |
| | | | | | 0 | -0.58651 | -0.00033 | PASS |
| | | | | | 10 | -4.92096 | -0.00278 | PASS |
| | | | | | 20 | -3.30448 | -0.00187 | PASS |
| | | | | | 30 | -0.14305 | -0.00008 | PASS |
| | | | | | 40 | -0.32902 | -0.00019 | PASS |
| | | | | | 50 | 0.67234 | 0.00038 | PASS |
| | LCH | VN | -30 | -0.34332 | -0.00020 | PASS | | |
| | | | -20 | 2.56062 | 0.00150 | PASS | | |
| | | | -10 | -3.91960 | -0.00229 | PASS | | |
| | | | 0 | -49.05224 | -0.02867 | PASS | | |
| | | | 10 | 77.67677 | 0.04541 | PASS | | |
| | | | 20 | 69.83757 | 0.04082 | PASS | | |
| | | | 30 | 17.13753 | 0.01002 | PASS | | |
| | | | 40 | -1.25885 | -0.00074 | PASS | | |
| | | | 50 | -23.28873 | -0.01361 | PASS | | |
| | | | MCH | VN | -30 | -24.23286 | -0.01389 | PASS |
| | | | | | -20 | -18.35346 | -0.01052 | PASS |
| | | | | | -10 | -38.62381 | -0.02213 | PASS |
| | | | | | 0 | -11.83033 | -0.00678 | PASS |
| | | | | | 10 | -124.06830 | -0.07110 | PASS |
| | | | | | 20 | -101.90960 | -0.05840 | PASS |
| 30 | -262.16980 | -0.15024 | | | PASS | | | |
| 40 | -81.69651 | -0.04682 | | | PASS | | | |
| 50 | -127.93060 | -0.07331 | | | PASS | | | |
| HCH | VN | -30 | -4.73499 | -0.00266 | PASS | | | |
| | | -20 | -108.71890 | -0.06110 | PASS | | | |
| | | -10 | -115.34210 | -0.06482 | PASS | | | |
| | | 0 | 34.81865 | 0.01957 | PASS | | | |
| | | 10 | -87.01801 | -0.04891 | PASS | | | |
| | | 20 | -12.24518 | -0.00688 | PASS | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | | |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|-----------|----------|------|
| | | | | | 30 | -44.64626 | -0.02509 | PASS | | | |
| | | | | | 40 | 21.65794 | 0.01217 | PASS | | | |
| | | | | | 50 | 64.65912 | 0.03634 | PASS | | | |
| | | | | 3 | LCH | VN | -30 | -5.13554 | -0.00300 | PASS | |
| | | | | | | | -20 | -4.37737 | -0.00256 | PASS | |
| | | | | | | | -10 | -6.56605 | -0.00384 | PASS | |
| | | | | | | | 0 | -7.69615 | -0.00450 | PASS | |
| | | | | | | | 10 | -7.78198 | -0.00455 | PASS | |
| | | | | | | | 20 | -2.54631 | -0.00149 | PASS | |
| | | | | | | | 30 | -3.34740 | -0.00196 | PASS | |
| | | | | | | | 40 | -1.73092 | -0.00101 | PASS | |
| | | | | | | | 50 | -2.53200 | -0.00148 | PASS | |
| | | | | | MCH | | VN | -30 | -7.86781 | -0.00451 | PASS |
| | | | | | | | | -20 | -3.81947 | -0.00219 | PASS |
| | | | | | | | | -10 | -7.52449 | -0.00431 | PASS |
| | | | | | | | | 0 | -12.15935 | -0.00697 | PASS |
| | | | | | | | | 10 | -4.94957 | -0.00284 | PASS |
| | | | | | | | | 20 | -7.28130 | -0.00417 | PASS |
| | | | | | | | | 30 | -7.38144 | -0.00423 | PASS |
| | | | | | | | | 40 | -9.36985 | -0.00537 | PASS |
| | | | | | | | | 50 | -7.16686 | -0.00411 | PASS |
| | | | | HCH | VN | -30 | -8.06808 | -0.00454 | PASS | | |
| | | | | | | -20 | -5.63621 | -0.00317 | PASS | | |
| | | | | | | -10 | -11.85894 | -0.00667 | PASS | | |
| | | | | | | 0 | -10.08511 | -0.00567 | PASS | | |
| | | | | | | 10 | -2.83241 | -0.00159 | PASS | | |
| | | | | | | 20 | -7.32422 | -0.00412 | PASS | | |
| | | | | | | 30 | -4.00543 | -0.00225 | PASS | | |
| | | | | | | 40 | -5.23567 | -0.00294 | PASS | | |
| | | | | | | 50 | -3.11851 | -0.00175 | PASS | | |
| | | | | 5 | LCH | VN | -30 | -5.03540 | -0.00294 | PASS | |
| | | | | | | | -20 | 2.27451 | 0.00133 | PASS | |
| | | | | | | | -10 | -4.39167 | -0.00256 | PASS | |
| 0 | -1.83106 | | | | | | -0.00107 | PASS | | | |
| 10 | -2.80380 | | | | | | -0.00164 | PASS | | | |
| 20 | 1.47343 | | | | | | 0.00086 | PASS | | | |
| 30 | -0.18597 | -0.00011 | PASS | | | | | | | | |
| 40 | 0.62943 | 0.00037 | PASS | | | | | | | | |
| 50 | -5.40733 | -0.00316 | PASS | | | | | | | | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|------|
| | | | MCH | VN | -30 | -4.83513 | -0.00277 | PASS | |
| | | | | | -20 | -4.23431 | -0.00243 | PASS | |
| | | | | | -10 | 1.70231 | 0.00098 | PASS | |
| | | | | | 0 | -2.04563 | -0.00117 | PASS | |
| | | | | | 10 | -4.17709 | -0.00239 | PASS | |
| | | | | | 20 | -3.50475 | -0.00201 | PASS | |
| | | | | | 30 | -3.89099 | -0.00223 | PASS | |
| | | | | | 40 | -1.31607 | -0.00075 | PASS | |
| | | | | | 50 | -4.39167 | -0.00252 | PASS | |
| | | | HCH | VN | -30 | -8.96931 | -0.00505 | PASS | |
| | | | | | -20 | -5.80788 | -0.00327 | PASS | |
| | | | | | -10 | -4.80652 | -0.00270 | PASS | |
| | | | | | 0 | -4.20570 | -0.00237 | PASS | |
| | | | | | 10 | -1.43051 | -0.00080 | PASS | |
| | | | | | 20 | -5.52177 | -0.00311 | PASS | |
| | | | | | 30 | -3.77655 | -0.00212 | PASS | |
| | | | | | 40 | -8.98361 | -0.00505 | PASS | |
| | | | | | 50 | -8.65459 | -0.00487 | PASS | |
| | | | 10 | LCH | VN | -30 | -6.98090 | -0.00407 | PASS |
| | | | | | | -20 | -2.27451 | -0.00133 | PASS |
| | | | | | | -10 | -5.23567 | -0.00305 | PASS |
| | | 0 | | | | -2.58923 | -0.00151 | PASS | |
| | | 10 | | | | -4.66347 | -0.00272 | PASS | |
| | | 20 | | | | -5.19276 | -0.00303 | PASS | |
| | | 30 | | | | -0.67234 | -0.00039 | PASS | |
| | | 40 | | | | -3.36170 | -0.00196 | PASS | |
| | | 50 | | | | -4.43459 | -0.00259 | PASS | |
| | | MCH | | VN | -30 | -2.57492 | -0.00148 | PASS | |
| | | | | | -20 | -0.58651 | -0.00034 | PASS | |
| | | | | | -10 | -1.83106 | -0.00105 | PASS | |
| | | | | | 0 | -3.40462 | -0.00195 | PASS | |
| | | | | | 10 | -2.68936 | -0.00154 | PASS | |
| | | | | | 20 | -3.66211 | -0.00210 | PASS | |
| | | | | | 30 | 2.00272 | 0.00115 | PASS | |
| | | | | | 40 | 0.85831 | 0.00049 | PASS | |
| | | | | | 50 | -3.44753 | -0.00198 | PASS | |
| | | HCH | | VN | -30 | -7.52449 | -0.00424 | PASS | |
| | | | | | -20 | 2.78950 | 0.00157 | PASS | |
| | | | | | -10 | -4.62055 | -0.00260 | PASS | |



| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|----------|----------|------|
| | | | | | 0 | -3.10421 | -0.00175 | PASS | | |
| | | | | | 10 | -2.43187 | -0.00137 | PASS | | |
| | | | | | 20 | -5.42164 | -0.00305 | PASS | | |
| | | | | | 30 | -1.30177 | -0.00073 | PASS | | |
| | | | | | 40 | -2.00272 | -0.00113 | PASS | | |
| | | | | | 50 | -4.07696 | -0.00230 | PASS | | |
| | | 15 | LCH | VN | -30 | -8.05378 | -0.00469 | PASS | | |
| | | | | | -20 | -3.96252 | -0.00231 | PASS | | |
| | | | | | -10 | -7.25269 | -0.00422 | PASS | | |
| | | | | | 0 | -7.79629 | -0.00454 | PASS | | |
| | | | | | 10 | -6.30856 | -0.00367 | PASS | | |
| | | | | | 20 | -0.81539 | -0.00047 | PASS | | |
| | | | | | 30 | -2.51770 | -0.00147 | PASS | | |
| | | | | | 40 | -3.71933 | -0.00217 | PASS | | |
| | | | | | 50 | -8.12531 | -0.00473 | PASS | | |
| | | | | | MCH | VN | -30 | -2.68936 | -0.00154 | PASS |
| | | | | | | | -20 | -2.53200 | -0.00145 | PASS |
| | | | | | | | -10 | -2.20299 | -0.00126 | PASS |
| | | | 0 | -2.16007 | | | -0.00124 | PASS | | |
| | | | 10 | -3.94821 | | | -0.00226 | PASS | | |
| | | | 20 | -2.38895 | | | -0.00137 | PASS | | |
| | | | 30 | -0.87261 | | | -0.00050 | PASS | | |
| | | | 40 | 0.78678 | | | 0.00045 | PASS | | |
| | | | HCH | VN | -30 | -5.04971 | -0.00285 | PASS | | |
| | | | | | -20 | -2.76089 | -0.00156 | PASS | | |
| | | | | | -10 | -2.51770 | -0.00142 | PASS | | |
| | | | | | 0 | -4.67777 | -0.00264 | PASS | | |
| | | | | | 10 | -5.30720 | -0.00299 | PASS | | |
| | | | | | 20 | -2.93255 | -0.00165 | PASS | | |
| | | | | | 30 | -1.83106 | -0.00103 | PASS | | |
| | | 40 | | | -2.37465 | -0.00134 | PASS | | | |
| | | 20 | LCH | VN | -30 | -5.42164 | -0.00315 | PASS | | |
| | | | | | -20 | -4.84943 | -0.00282 | PASS | | |
| | | | | | -10 | -8.96931 | -0.00521 | PASS | | |
| | | | | | 0 | -6.39439 | -0.00372 | PASS | | |
| | | | | | 10 | -9.85622 | -0.00573 | PASS | | |
| | | | | | 20 | -7.85351 | -0.00457 | PASS | | |

| Test Band | Test Mode | Test Bandwidth (MHz) | Test Channel | Test Volt. | Test Temp | Freq. Error [Hz] | Freq. vs. rated [ppm] | Verdict | | | |
|-----------|-----------|----------------------|--------------|------------|-----------|------------------|-----------------------|---------|----------|----------|------|
| | | | | | 30 | -3.91960 | -0.00228 | PASS | | | |
| | | | | | 40 | -6.05106 | -0.00352 | PASS | | | |
| | | | | | 50 | -5.12123 | -0.00298 | PASS | | | |
| | | | MCH | VN | | | | -30 | -1.53065 | -0.00088 | PASS |
| | | | | | | | | -20 | 0.08583 | 0.00005 | PASS |
| | | | | | | | | -10 | -5.53608 | -0.00317 | PASS |
| | | | | | | | | 0 | -1.18732 | -0.00068 | PASS |
| | | | | | | | | 10 | -3.23296 | -0.00185 | PASS |
| | | | | | | | | 20 | -2.76089 | -0.00158 | PASS |
| | | | | | | | | 30 | -1.07288 | -0.00061 | PASS |
| | | | | | | | | 40 | -1.75953 | -0.00101 | PASS |
| | | | | | | | | 50 | -2.43187 | -0.00139 | PASS |
| | | | | | | | | HCH | VN | | |
| | | | -20 | -1.73092 | -0.00098 | PASS | | | | | |
| | | | -10 | -6.13689 | -0.00347 | PASS | | | | | |
| | | | 0 | -2.70367 | -0.00153 | PASS | | | | | |
| | | | 10 | -4.64916 | -0.00263 | PASS | | | | | |
| | | | 20 | -5.00679 | -0.00283 | PASS | | | | | |
| | | | 30 | -1.73092 | -0.00098 | PASS | | | | | |
| | | | 40 | -4.09126 | -0.00231 | PASS | | | | | |
| | | | 50 | -2.28882 | -0.00129 | PASS | | | | | |

END