

Fig. 73 Time of Occupancy (Dwell Time) ( $\pi/4$  DQPSK, Ch39)

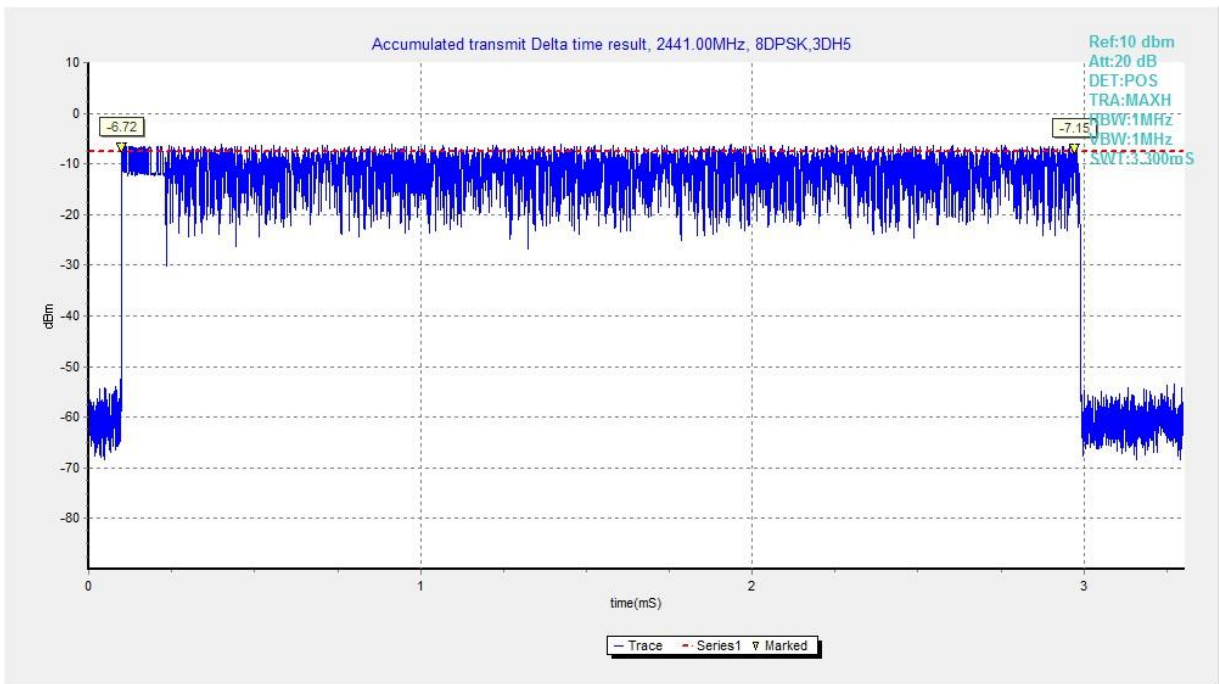


Fig. 74 Time of Occupancy (Dwell Time) (8DPSK, Ch39)

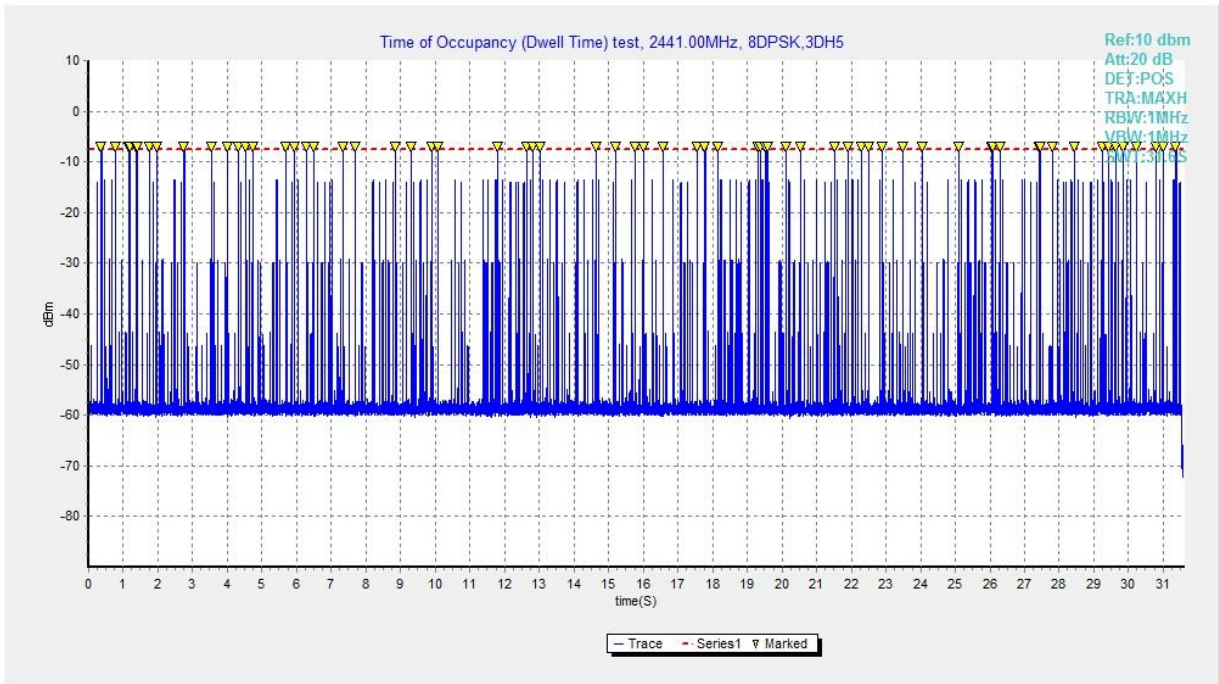


Fig. 75 Time of Occupancy (Dwell Time) (8DPSK, Ch39)

### A.7 Number of Hopping Channels

Measurement Limit:

| Standard                  | Limit                                |
|---------------------------|--------------------------------------|
| FCC 47 CFR Part 15.247(a) | At least 15 non-overlapping channels |

Measurement Results:

| Mode          | Packet | Number of hopping channels |        | Test result | Conclusion |
|---------------|--------|----------------------------|--------|-------------|------------|
| GFSK          | DH5    | Fig.76                     | Fig.77 | 79          | <b>P</b>   |
| $\pi/4$ DQPSK | 2-DH5  | Fig.78                     | Fig.79 | 79          | <b>P</b>   |
| 8DPSK         | 3-DH5  | Fig.80                     | Fig.81 | 79          | <b>P</b>   |

See below for test graphs.

Conclusion: Pass

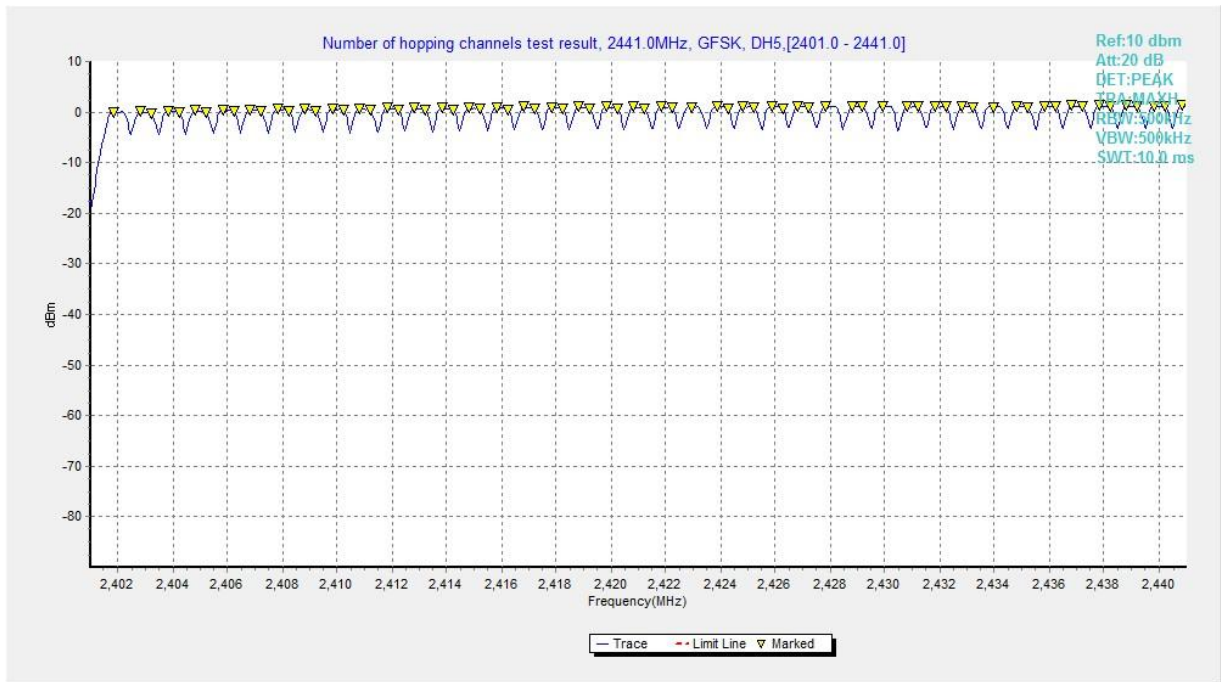


Fig. 76 Hopping channel ch0~39 (GFSK, Ch39)

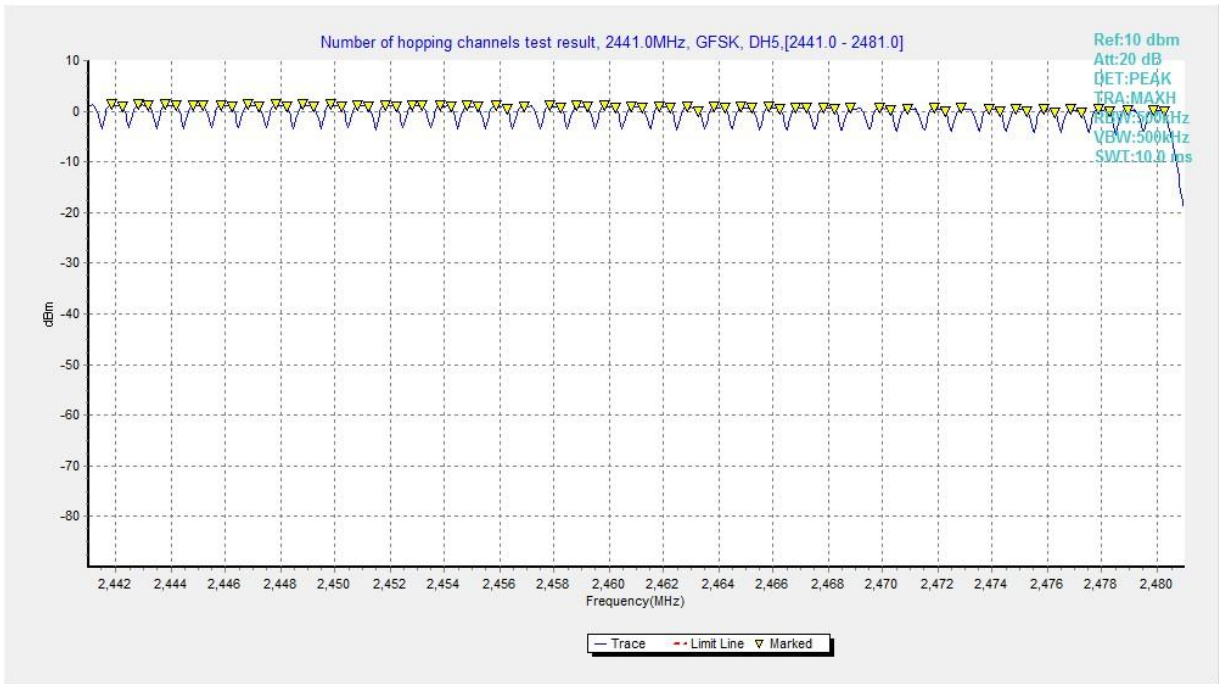


Fig. 77 Hopping channel ch40~78 (GFSK, Ch39)

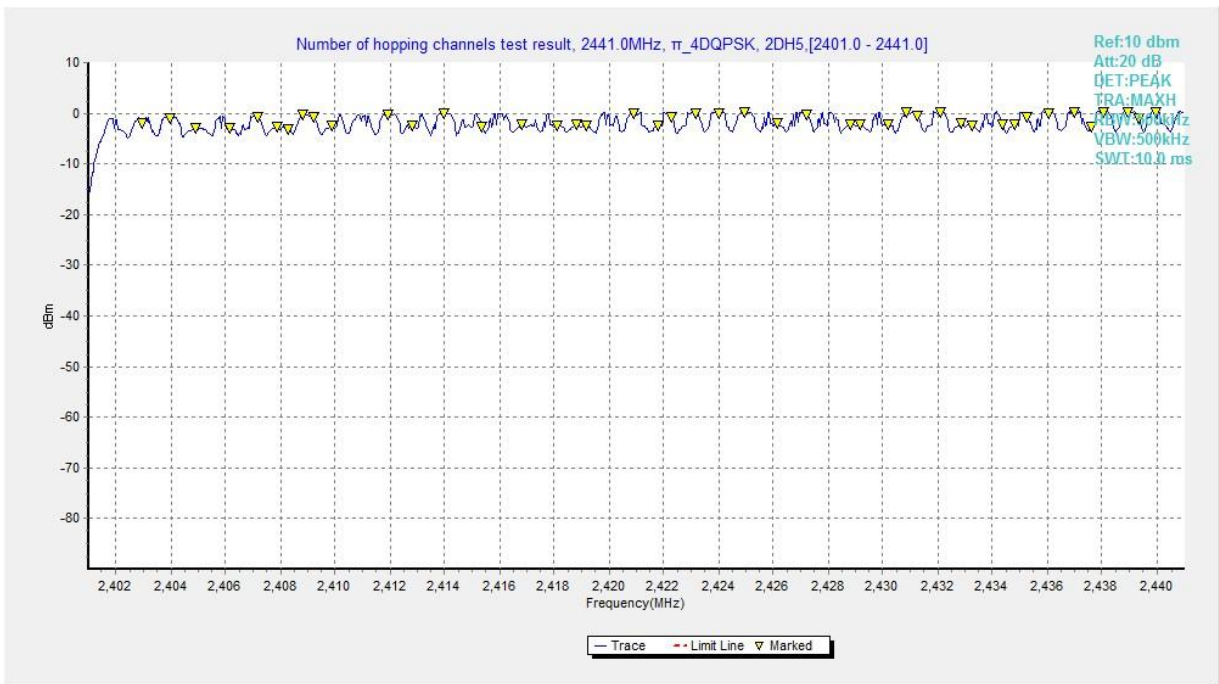


Fig. 78 Hopping channel ch0~39 ( $\pi/4$  DQPSK, Ch39)



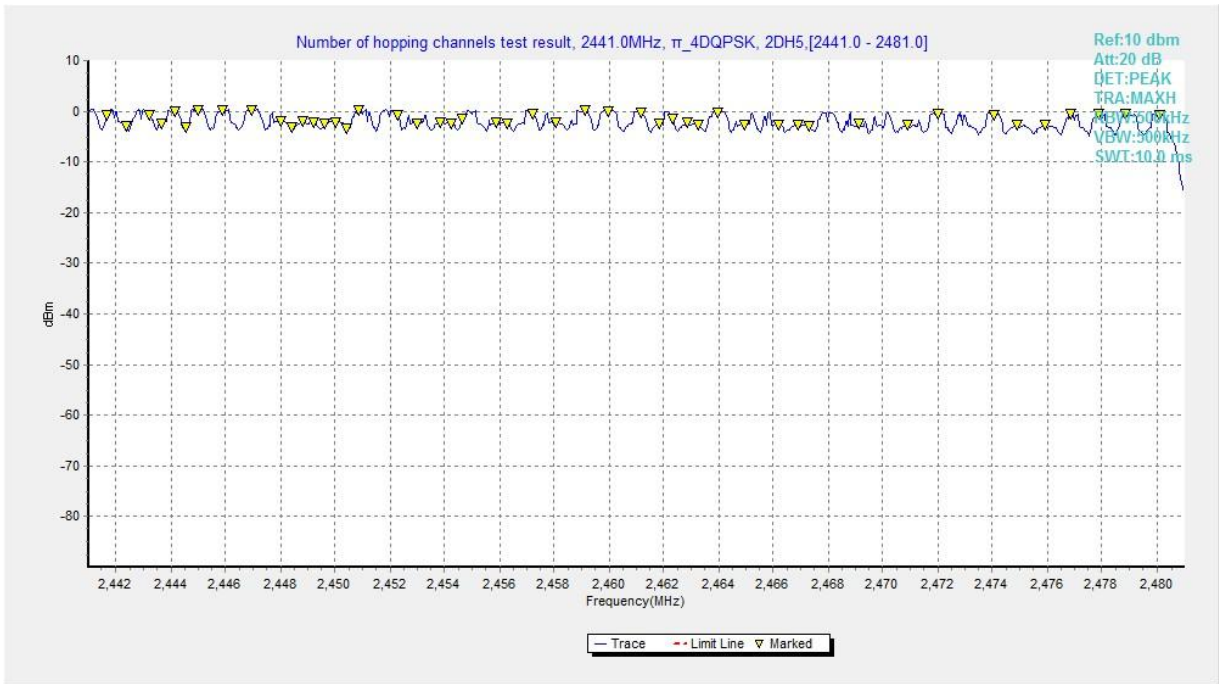


Fig. 79 Hopping channel ch40~78 ( $\pi/4$  DQPSK, Ch39)

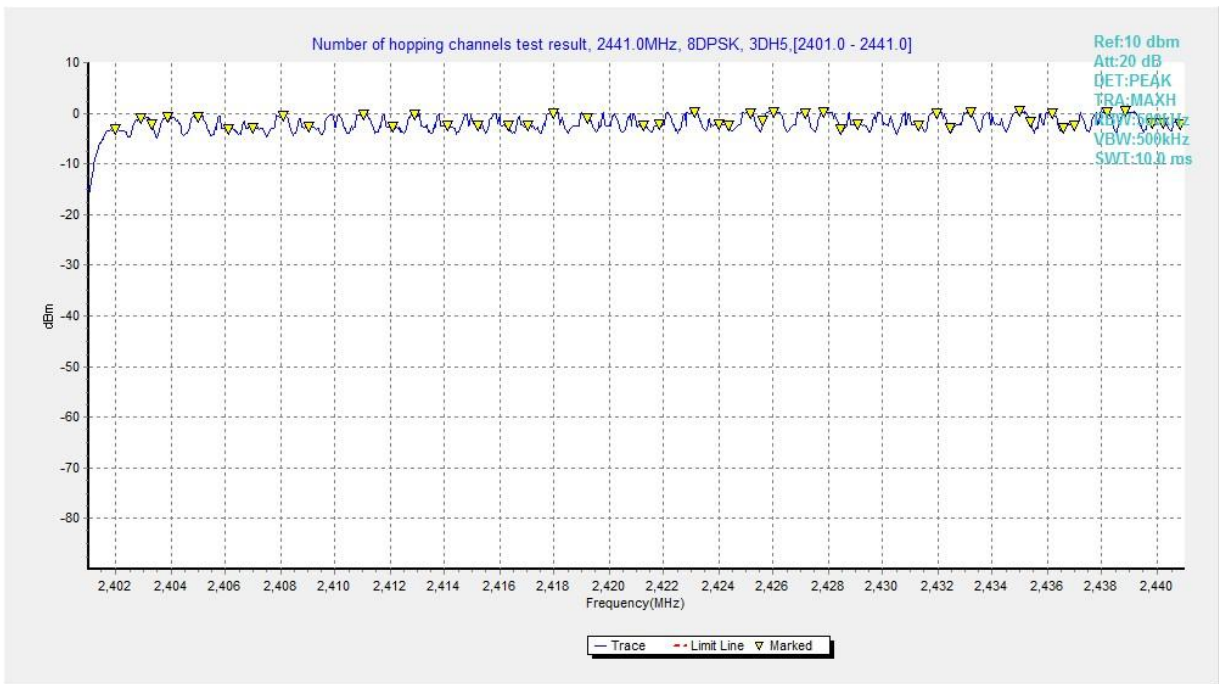


Fig. 80 Hopping channel ch0~39 (8DPSK, Ch39)

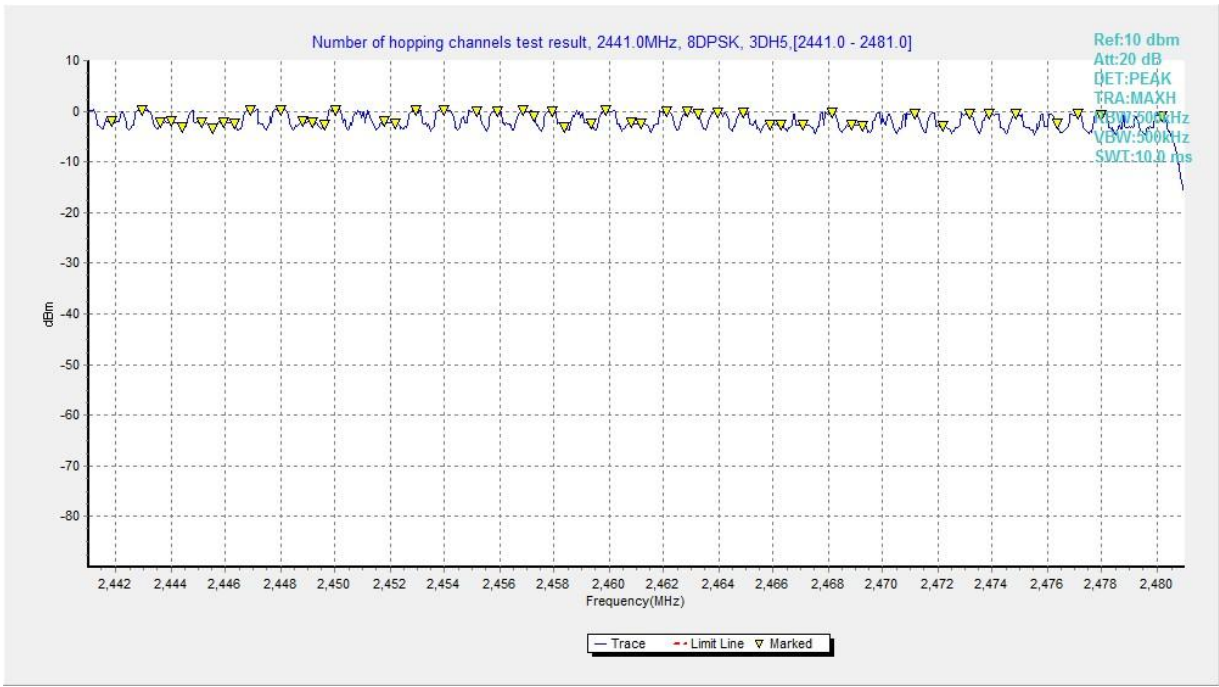


Fig. 81 Hopping channel ch40~78 (8DPSK, Ch39)

### A.8 Carrier Frequency Separation

Measurement Limit:

| Standard                  | Limit                                                                                                    |
|---------------------------|----------------------------------------------------------------------------------------------------------|
| FCC 47 CFR Part 15.247(a) | By a minimum of 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater |

Measurement Results:

| Mode          | Channel | Packet | Separation of hopping channels | Test result (MHz) | Conclusion |
|---------------|---------|--------|--------------------------------|-------------------|------------|
| GFSK          | 39      | DH5    | Fig.82                         | 1.00              | <b>P</b>   |
| $\pi/4$ DQPSK | 39      | 2-DH5  | Fig.83                         | 1.00              | <b>P</b>   |
| 8DPSK         | 39      | 3-DH5  | Fig.84                         | 1.00              | <b>P</b>   |

See below for test graphs.

Conclusion: Pass

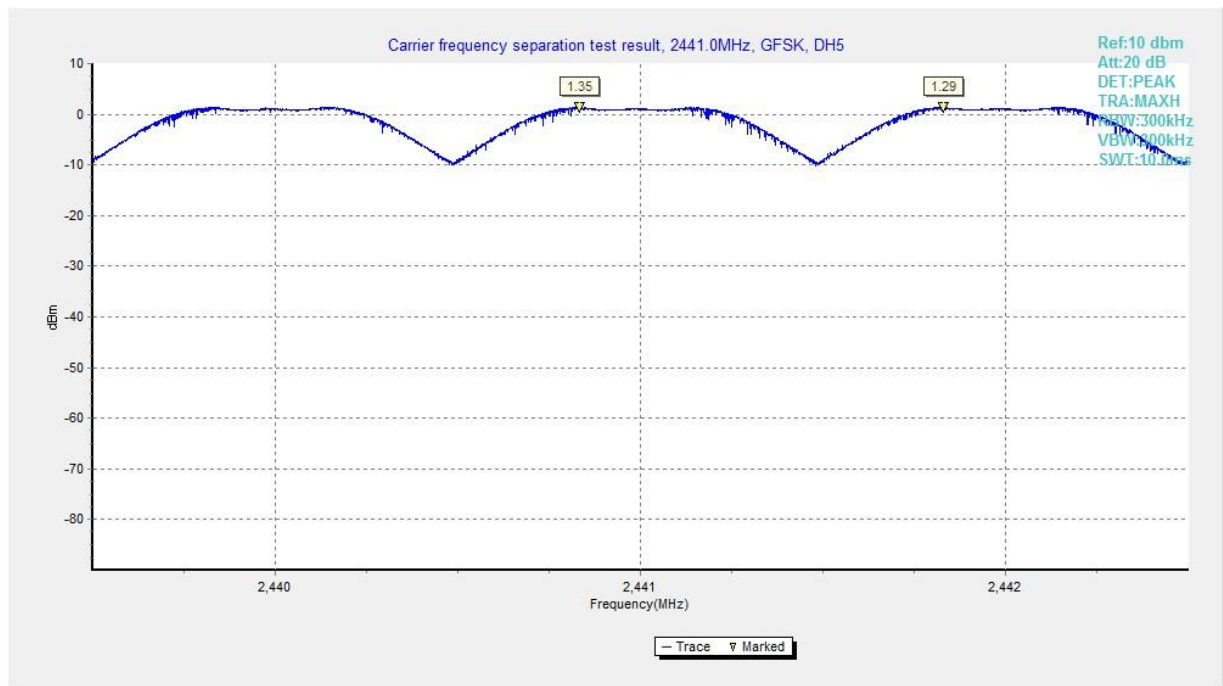


Fig. 82 Carrier Frequency Separation (GFSK, Ch39)

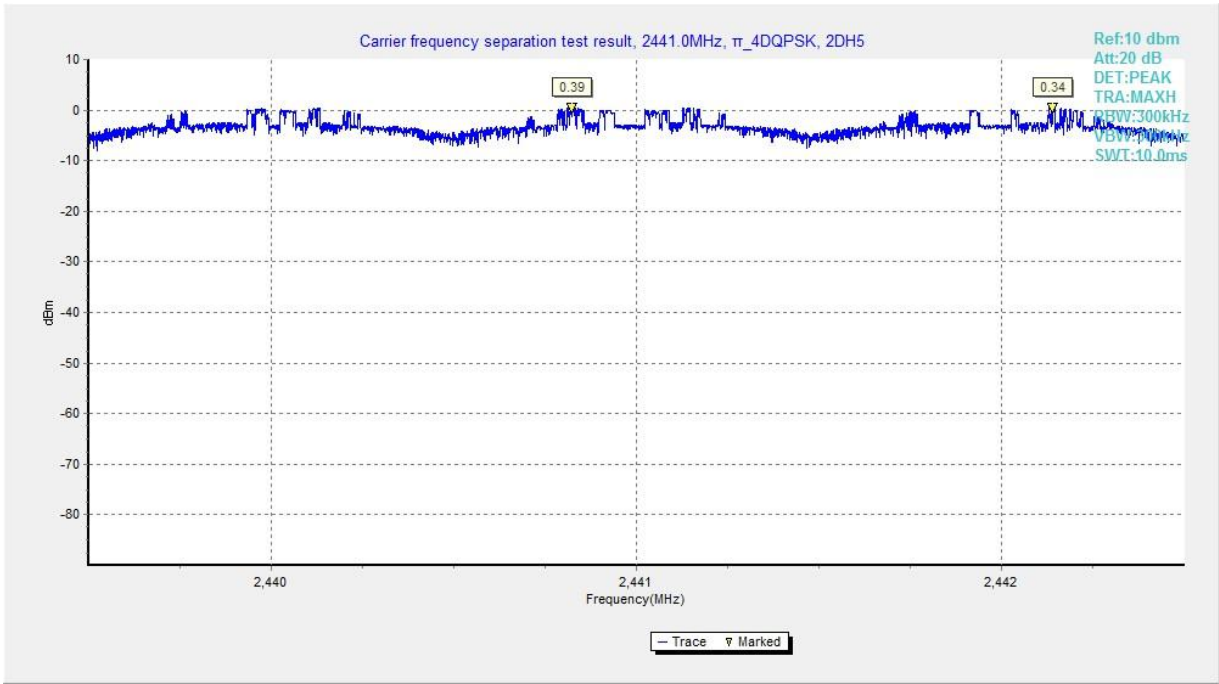


Fig. 83 Carrier Frequency Separation ( $\pi/4$  DQPSK, Ch39)

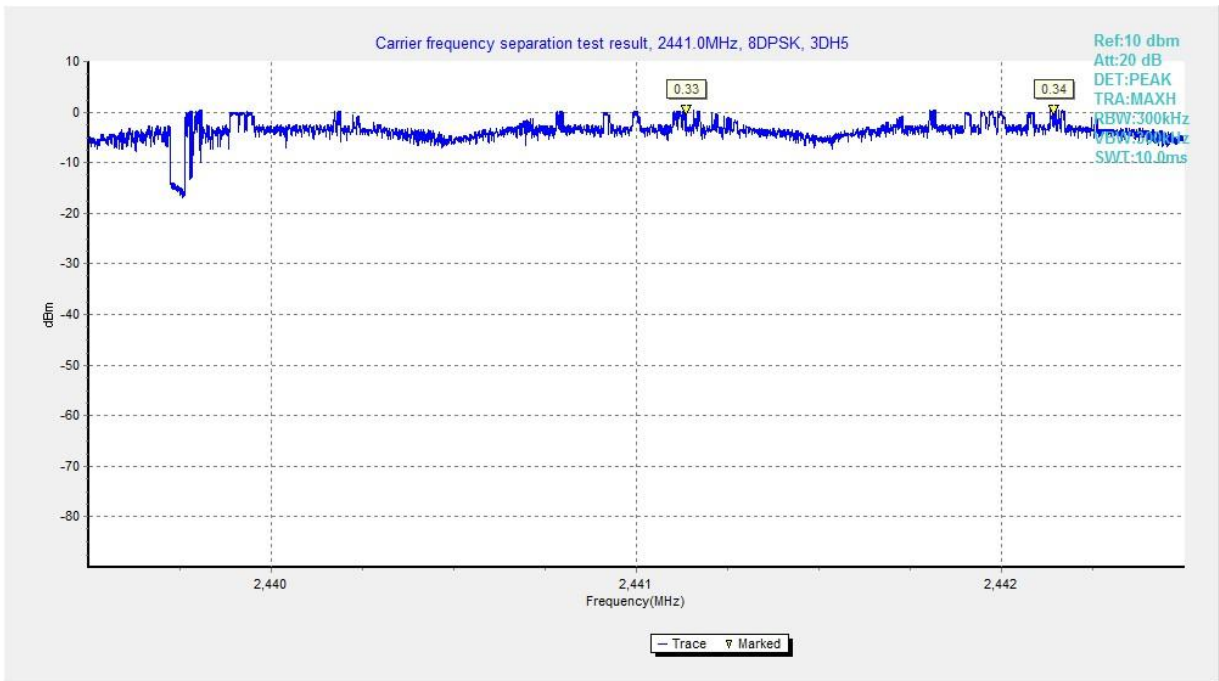


Fig. 84 Carrier Frequency Separation (8DPSK, Ch39)



## A.9 AC Power line Conducted Emission

### Test Condition:

| Voltage (V) | Frequency (Hz) |
|-------------|----------------|
| 120         | 60             |

### Measurement Result and limit:

BT (Quasi-peak Limit) - AE2

| Frequency range (MHz) | Quasi-peak Limit (dB $\mu$ V) | Result (dB $\mu$ V) |        | Conclusion |
|-----------------------|-------------------------------|---------------------|--------|------------|
|                       |                               | Traffic             | Idle   |            |
| 0.15 to 0.5           | 66 to 56                      | Fig.85              | Fig.86 | <b>P</b>   |
| 0.5 to 5              | 56                            |                     |        |            |
| 5 to 30               | 60                            |                     |        |            |

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

BT (Average Limit) - AE2

| Frequency range (MHz) | Average-peak Limit (dB $\mu$ V) | Result (dB $\mu$ V) |        | Conclusion |
|-----------------------|---------------------------------|---------------------|--------|------------|
|                       |                                 | Traffic             | Idle   |            |
| 0.15 to 0.5           | 56 to 46                        | Fig.85              | Fig.86 | <b>P</b>   |
| 0.5 to 5              | 46                              |                     |        |            |
| 5 to 30               | 50                              |                     |        |            |

Note: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Note: The measurement results include the L1 and N measurements.

**See below for test graphs.**

**Conclusion: Pass**

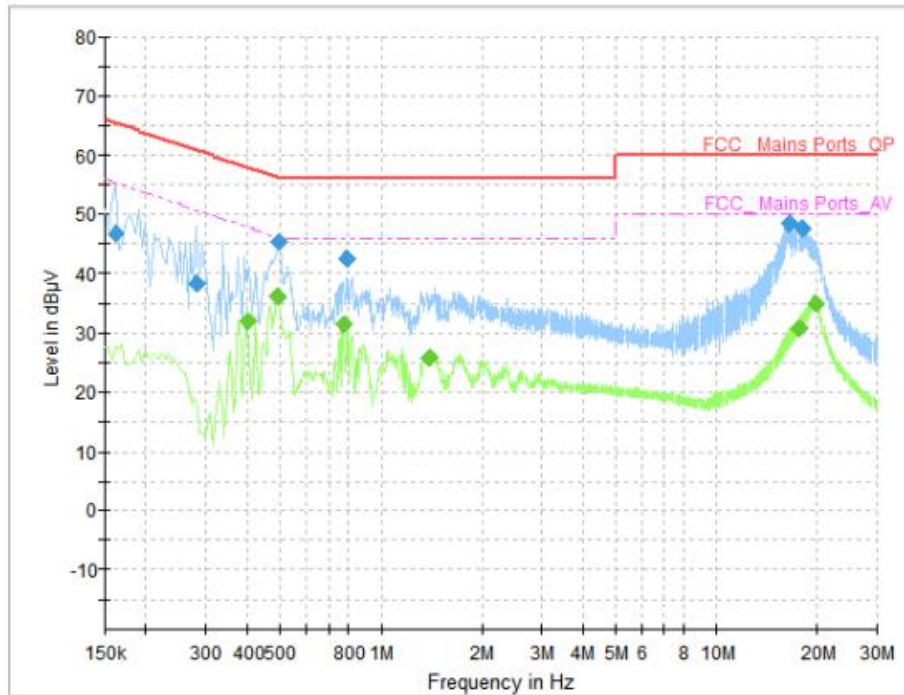


Fig. 85 AC Powerline Conducted Emission (Traffic, AE2, 120V)

**Measurement Results: Quasi Peak**

| Frequency (MHz) | Quasi Peak (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|-------------------|--------------|-------------|------|--------|------------|
| 0.162000        | 46.74             | 65.36        | 18.62       | L1   | ON     | 10         |
| 0.282000        | 38.49             | 60.76        | 22.27       | N    | ON     | 10         |
| 0.498000        | 45.28             | 56.03        | 10.76       | N    | ON     | 10         |
| 0.794000        | 42.48             | 56.00        | 13.52       | L1   | ON     | 10         |
| 16.482000       | 48.50             | 60.00        | 11.50       | L1   | ON     | 10         |
| 18.078000       | 47.57             | 60.00        | 12.43       | L1   | ON     | 10         |

**Measurement Results: Average**

| Frequency (MHz) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|----------------|--------------|-------------|------|--------|------------|
| 0.402000        | 31.84          | 47.81        | 15.98       | L1   | ON     | 10         |
| 0.490000        | 36.28          | 46.17        | 9.89        | L1   | ON     | 10         |
| 0.774000        | 31.53          | 46.00        | 14.47       | L1   | ON     | 10         |
| 1.394000        | 25.77          | 46.00        | 20.23       | L1   | ON     | 10         |
| 17.530000       | 30.90          | 50.00        | 19.10       | N    | ON     | 11         |
| 19.694000       | 34.96          | 50.00        | 15.04       | L1   | ON     | 10         |

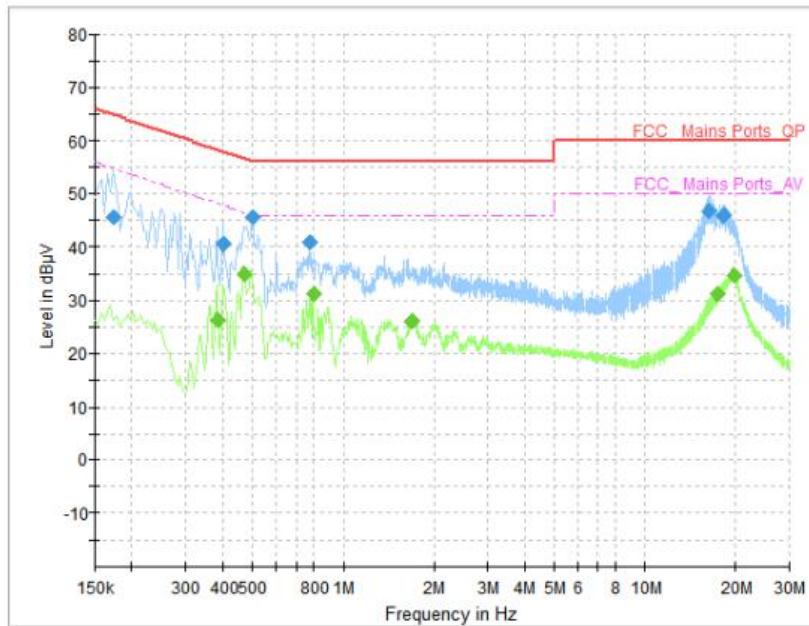


Fig. 86 AC Power line Conducted Emission (Idle, AE2, 120V)

**Measurement Results: Quasi Peak**

| Frequency (MHz) | Quasi Peak (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|-------------------|--------------|-------------|------|--------|------------|
| 0.174000        | 45.58             | 64.77        | 19.19       | L1   | ON     | 10         |
| 0.402000        | 40.64             | 57.81        | 17.18       | L1   | ON     | 10         |
| 0.502000        | 45.54             | 56.00        | 10.46       | L1   | ON     | 10         |
| 0.778000        | 40.92             | 56.00        | 15.08       | L1   | ON     | 10         |
| 16.322000       | 46.72             | 60.00        | 13.28       | L1   | ON     | 10         |
| 18.142000       | 46.04             | 60.00        | 13.96       | L1   | ON     | 10         |

**Measurement Results: Average**

| Frequency (MHz) | Average (dBµV) | Limit (dBµV) | Margin (dB) | Line | Filter | Corr. (dB) |
|-----------------|----------------|--------------|-------------|------|--------|------------|
| 0.382000        | 26.38          | 48.24        | 21.86       | L1   | ON     | 10         |
| 0.470000        | 34.91          | 46.51        | 11.61       | L1   | ON     | 10         |
| 0.798000        | 31.15          | 46.00        | 14.85       | L1   | ON     | 10         |
| 1.690000        | 26.01          | 46.00        | 19.99       | L1   | ON     | 10         |
| 17.518000       | 30.98          | 50.00        | 19.02       | N    | ON     | 11         |
| 19.738000       | 34.64          | 50.00        | 15.36       | N    | ON     | 10         |



## **ANNEX B: Spot Check of Output Power**

**Company Name:** TCL Communication Ltd.

**Product Name:** Tablet PC

**Model Name:** 9160G, 9460G

### **Spot Check of Different Mode**

| <b>Model</b> | <b>Mode</b> | <b>Frequency (MHz)</b> | <b>Conducted Power (dBm)</b> |
|--------------|-------------|------------------------|------------------------------|
| 9160G        | LE 1M       | 2440 (CH19)            | -2.17                        |
|              | BR (GFSK)   | 2441 (CH39)            | 1.56                         |
|              | 802.11b     | 2437 (CH6)             | 17.48                        |
|              | 802.11a     | 5280 (Ch56)            | 16.81                        |
|              |             | 5745 (CH149)           | 16.55                        |
| 9460G        | LE 1M       | 2440 (CH19)            | -2.24                        |
|              | BR (GFSK)   | 2441 (CH39)            | 1.48                         |
|              | 802.11b     | 2437 (CH6)             | 17.38                        |
|              | 802.11a     | 5280 (Ch56)            | 16.76                        |
|              |             | 5745 (CH149)           | 16.44                        |

Note: Spot check test data included for the variants based on worst-case results reported in the original FCC ID filing. From the above data, it can be concluded that the conducted output power of the variant is less than or near to the original. And the variant test data can refer to the original report. This condition applies to the reports I21N04177.



## ANNEX H: Spot Check of Transmitter unwanted emissions in the spurious domain

**Company Name:** TCL Communication Ltd

**Product Name:** Tablet PC

**Model Name:**9460G(FCC ID: 2ACCJB179)

### Differences between models

| Model Differences | 9160G (Initial Model) | 9460G (Record Model) |
|-------------------|-----------------------|----------------------|
| Model Name        | 9160G                 | 9460G                |
| GSM/WCDMA/LTE     | Support               | Nonsupport           |

### Spot Check of Different Mode

| Model Name               | The Mode of the worst data of Original report | Frequency (MHz) | The worst result of Radiated Emission (dB $\mu$ V/m) | The worst Margin(dB) |
|--------------------------|-----------------------------------------------|-----------------|------------------------------------------------------|----------------------|
| 9160G<br>(Initial Model) | $\pi$ /4 DQPSK                                | 2440 (CH39)     | 40.97                                                | 13.03                |
|                          | BLE 1M                                        | 2440(CH19)      | 40.76                                                | 13.24                |
|                          | 802.11a                                       | 5745(CH149)     | 40.51                                                | 13.49                |
|                          | 802.11b                                       | 2412(CH1)       | 41.01                                                | 12.99                |
| 9460G<br>(Record Model)  | $\pi$ /4 DQPSK                                | 2440 (CH39)     | 40.62                                                | 13.38                |
|                          | BLE 1M                                        | 2440(CH19)      | 40.51                                                | 13.49                |
|                          | 802.11a                                       | 5745(CH149)     | 40.33                                                | 13.67                |
|                          | 802.11b                                       | 2412(CH1)       | 40.78                                                | 13.22                |

Spot check test data included for the variants based on worst-case results reported in the original FCC ID filing.

From the above data, it can be concluded that the Radiated Emission of the variant is better than that of the original. And the variant test data can refer to the original report.

This condition applies to the reports **I21N04177** and **I22N00681**.

**\*\*\*END OF REPORT\*\*\***