



## 8.4 Appendix D: Band Edge

### Test Result

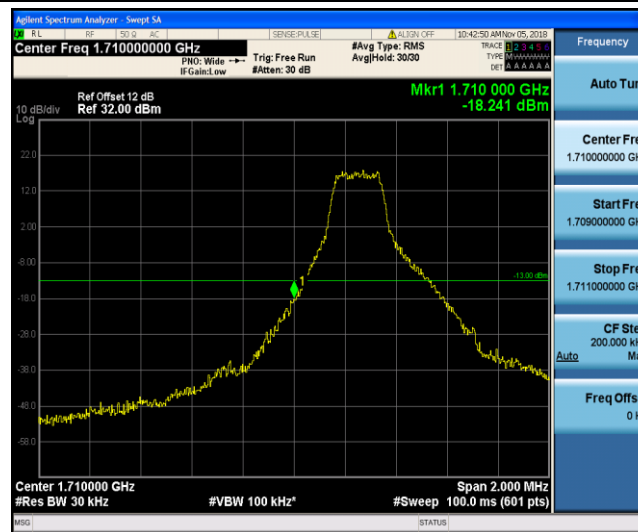
| Band  | Bandwidth | Modulation | Channel | RB Configuration | Result(dBm) | Verdict |
|-------|-----------|------------|---------|------------------|-------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | -18.24      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 6RB#0            | -26.03      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#5            | -19.31      | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 6RB#0            | -28.03      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | -17.69      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 6RB#0            | -26.79      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#5            | -20.62      | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 6RB#0            | -29.49      | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | -18.18      | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 15RB#0           | -32.03      | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#14           | -20.40      | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 15RB#0           | -31.72      | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 1RB#0            | -19.36      | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 15RB#0           | -31.48      | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 1RB#14           | -21.28      | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 15RB#0           | -32.66      | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 1RB#0            | -17.51      | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 25RB#0           | -19.88      | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 1RB#24           | -19.46      | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 25RB#0           | -21.67      | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 1RB#0            | -17.58      | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 25RB#0           | -19.99      | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 1RB#24           | -18.35      | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 25RB#0           | -21.62      | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 1RB#0            | -14.11      | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 50RB#0           | -27.39      | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 1RB#49           | -14.90      | PASS    |
| Band4 | 10MHz     | QPSK       | 20350   | 50RB#0           | -30.12      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 1RB#0            | -14.11      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20000   | 50RB#0           | -28.41      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 1RB#49           | -15.84      | PASS    |
| Band4 | 10MHz     | 16QAM      | 20350   | 50RB#0           | -31.41      | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 1RB#0            | -15.67      | PASS    |
| Band4 | 15MHz     | QPSK       | 20025   | 75RB#0           | -25.26      | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 1RB#74           | -16.74      | PASS    |
| Band4 | 15MHz     | QPSK       | 20325   | 75RB#0           | -28.83      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 1RB#0            | -15.80      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20025   | 75RB#0           | -26.94      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 1RB#74           | -16.93      | PASS    |
| Band4 | 15MHz     | 16QAM      | 20325   | 75RB#0           | -28.75      | PASS    |



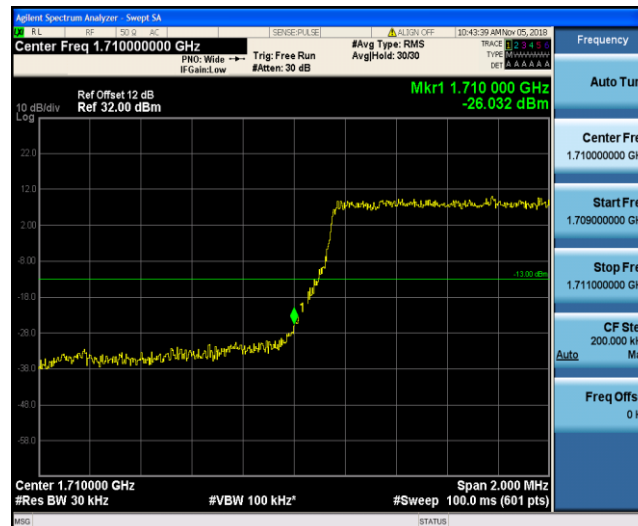
|       |       |       |       |         |        |      |
|-------|-------|-------|-------|---------|--------|------|
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0   | -16.98 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 100RB#0 | -30.11 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#99  | -17.61 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 100RB#0 | -33.14 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0   | -16.48 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 100RB#0 | -31.28 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#99  | -16.96 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 100RB#0 | -34.20 | PASS |



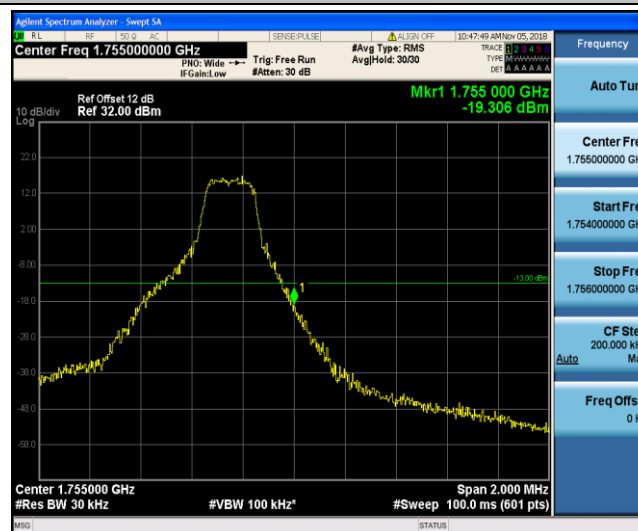
## Test Graphs



Band4\_1.4MHz\_QPSK\_19957\_1RB#0



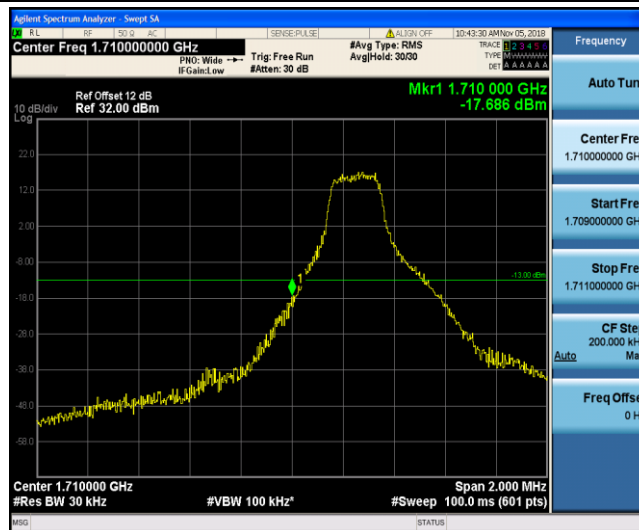
Band4\_1.4MHz\_QPSK\_19957\_6RB#0



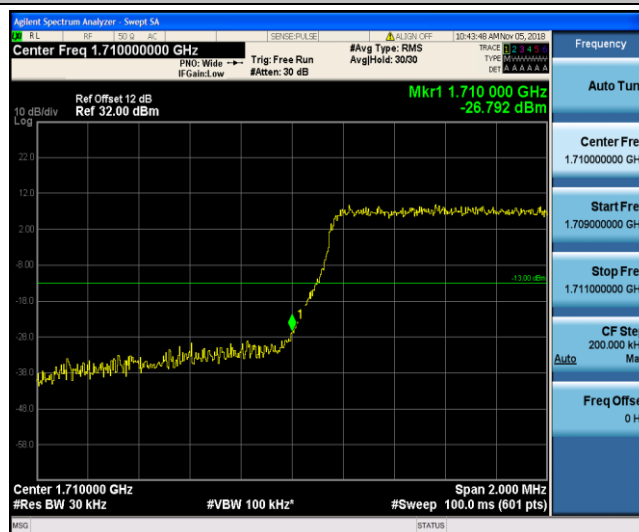
Band4\_1.4MHz\_QPSK\_20393\_1RB#5



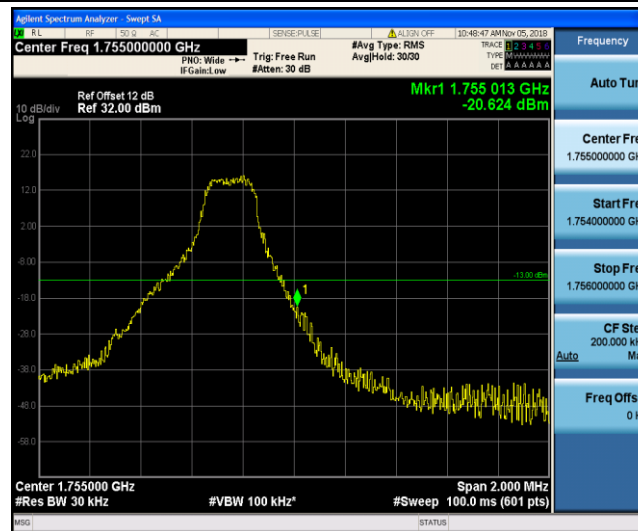
Band4\_1.4MHz\_QPSK\_20393\_6RB#0



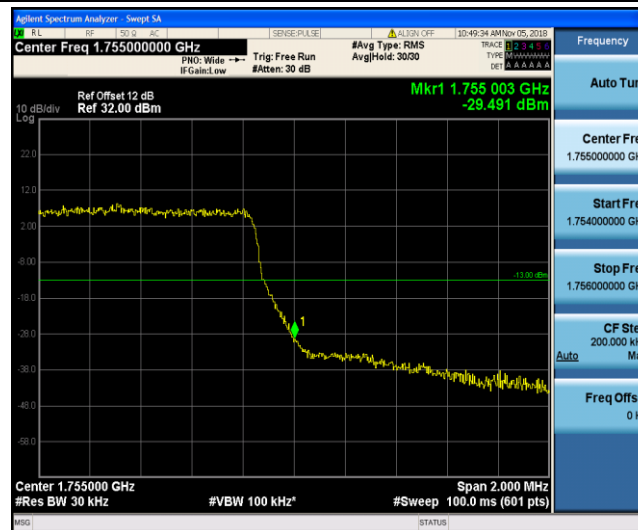
Band4\_1.4MHz\_16QAM\_19957\_1RB#0



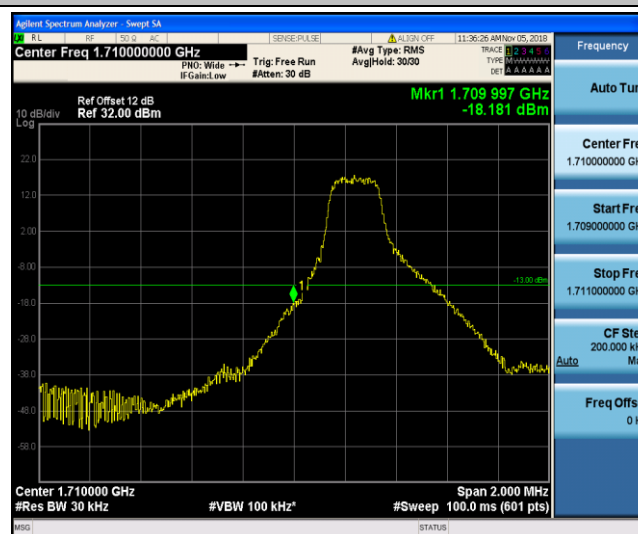
Band4\_1.4MHz\_16QAM\_19957\_6RB#0



Band4\_1.4MHz\_16QAM\_20393\_1RB#5



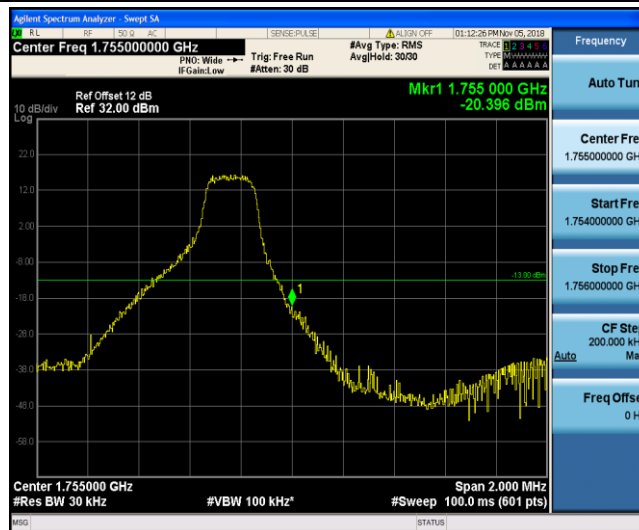
Band4\_1.4MHz\_16QAM\_20393\_6RB#0



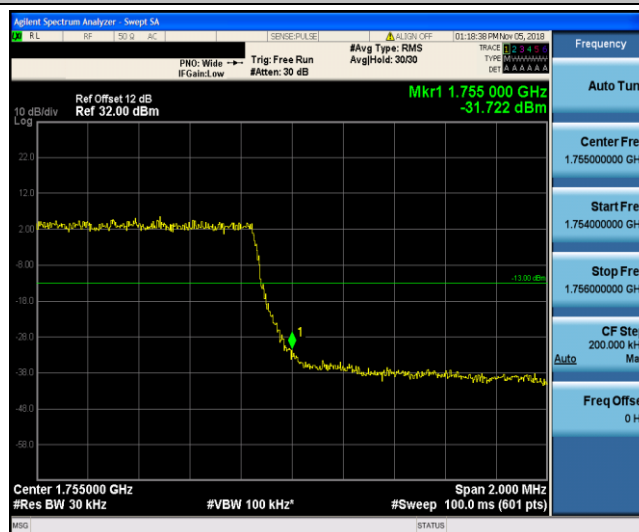
Band4\_3MHz\_QPSK\_19965\_1RB#0



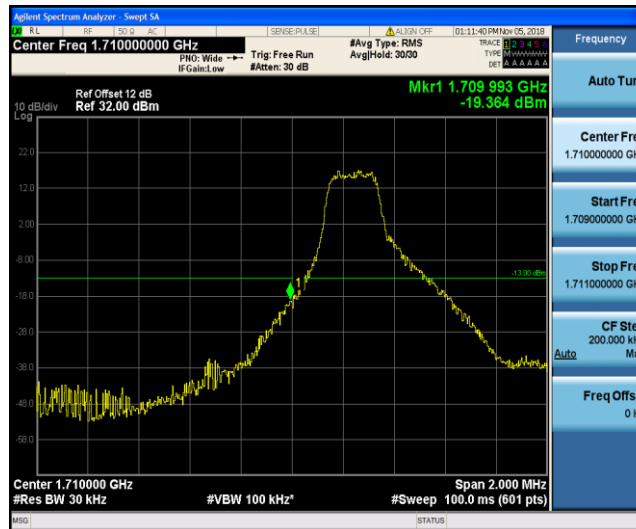
Band4\_3MHz\_QPSK\_19965\_15RB#0



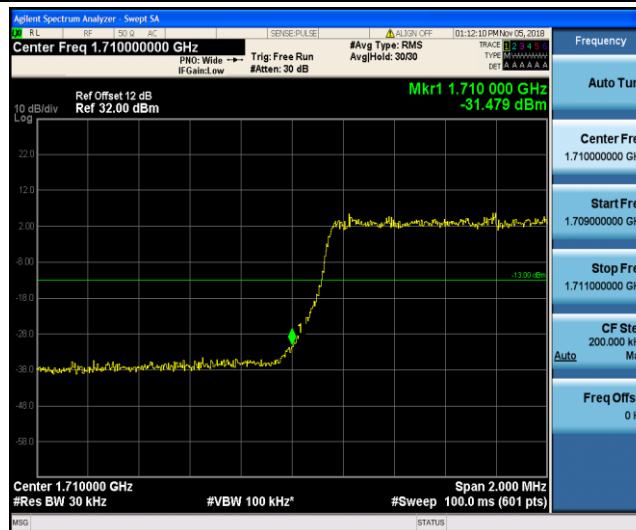
Band4\_3MHz\_QPSK\_20385\_1RB#14



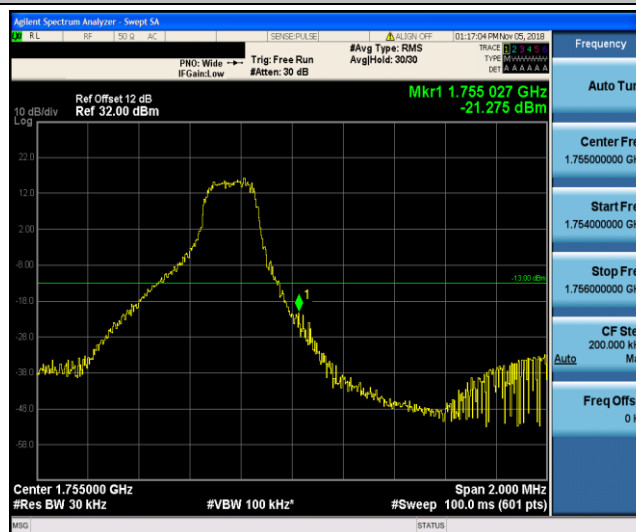
Band4\_3MHz\_QPSK\_20385\_15RB#0



Band4\_3MHz\_16QAM\_19965\_1RB#0



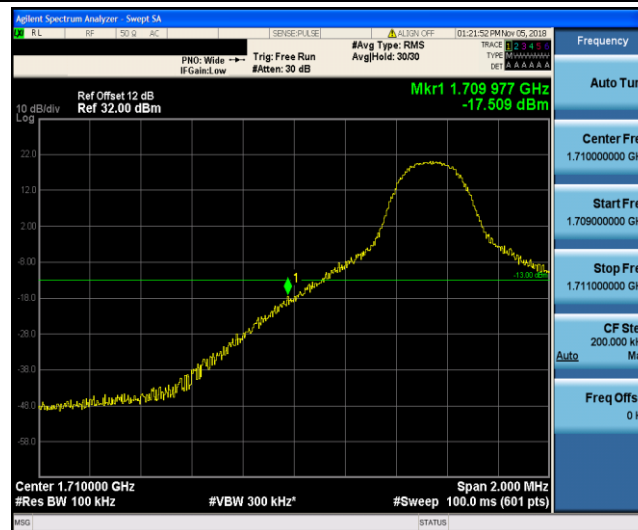
Band4\_3MHz\_16QAM\_19965\_15RB#0



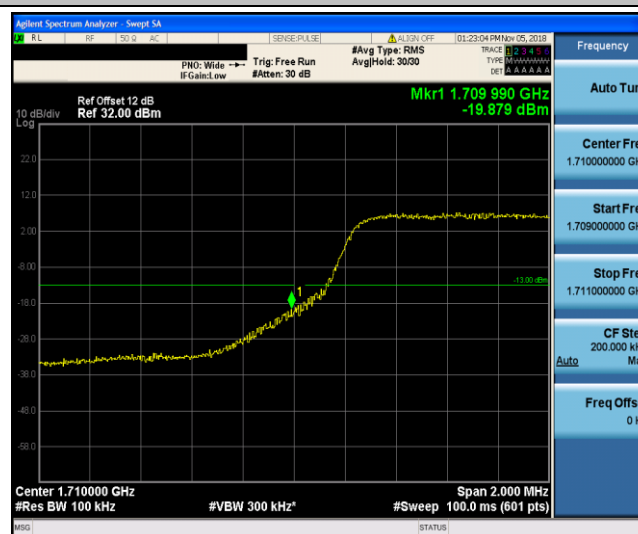
Band4\_3MHz\_16QAM\_20385\_1RB#14



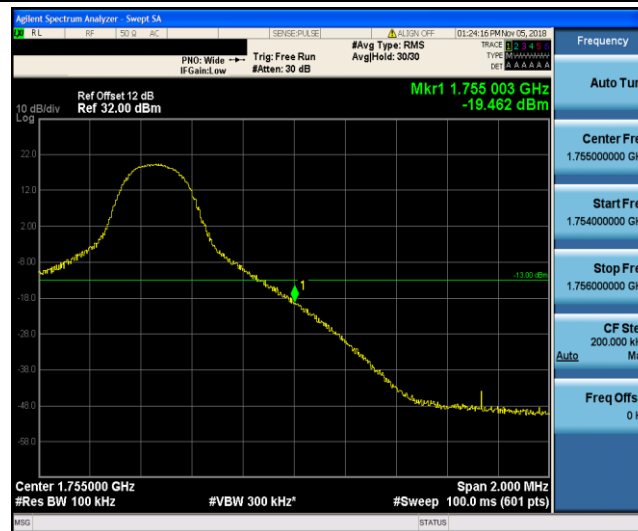
Band4\_3MHz\_16QAM\_20385\_15RB#0



Band4\_5MHz\_QPSK\_19975\_1RB#0



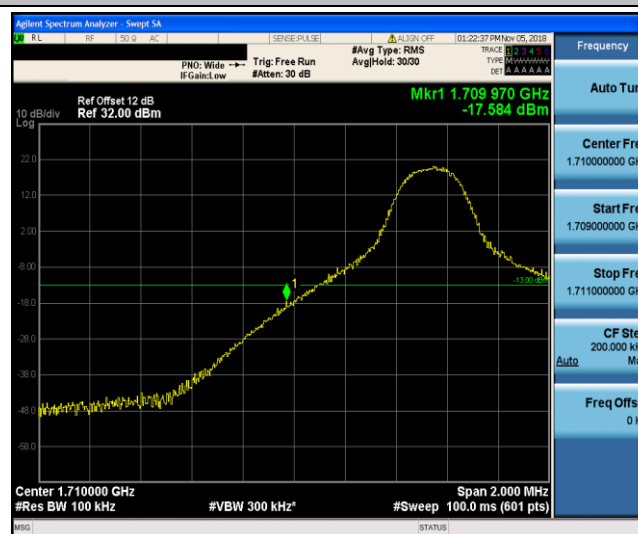
Band4\_5MHz\_QPSK\_19975\_25RB#0



Band4\_5MHz\_QPSK\_20375\_1RB#24



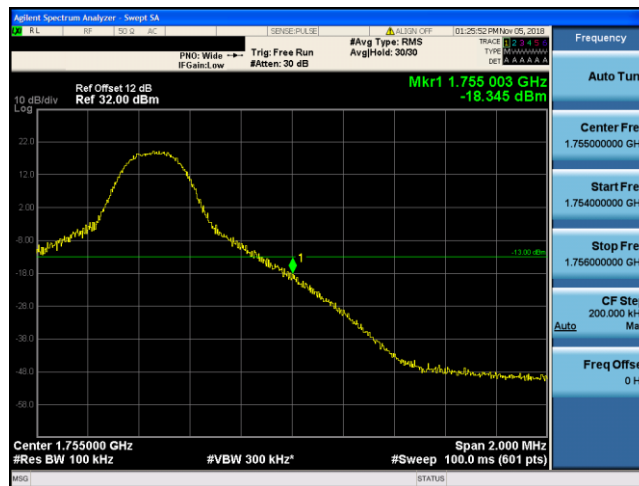
Band4\_5MHz\_QPSK\_20375\_25RB#0



Band4\_5MHz\_16QAM\_19975\_1RB#0



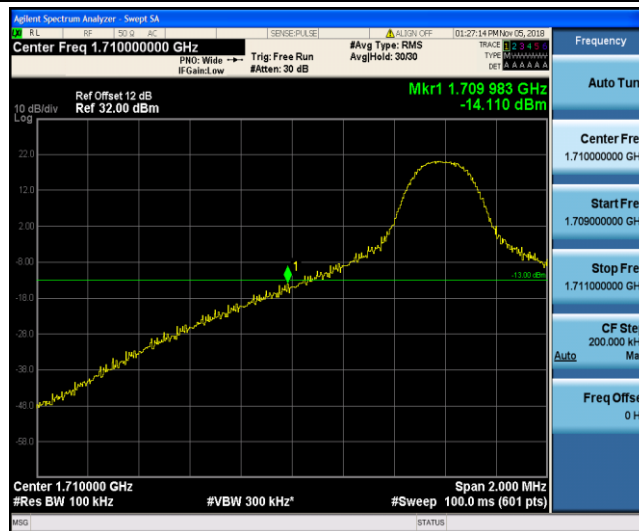
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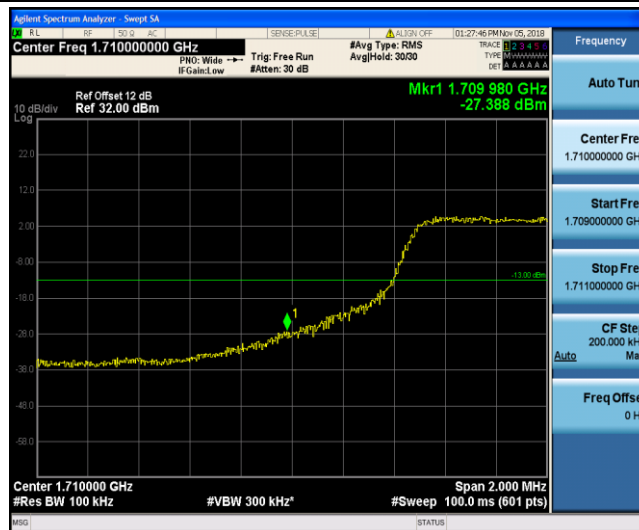
Band4\_5MHz\_16QAM\_20375\_1RB#24



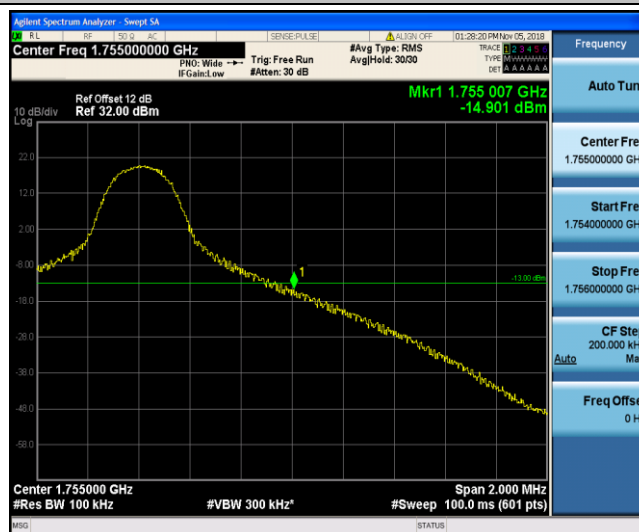
Band4\_5MHz\_16QAM\_20375\_25RB#0



Band4\_10MHz\_QPSK\_20000\_1RB#0



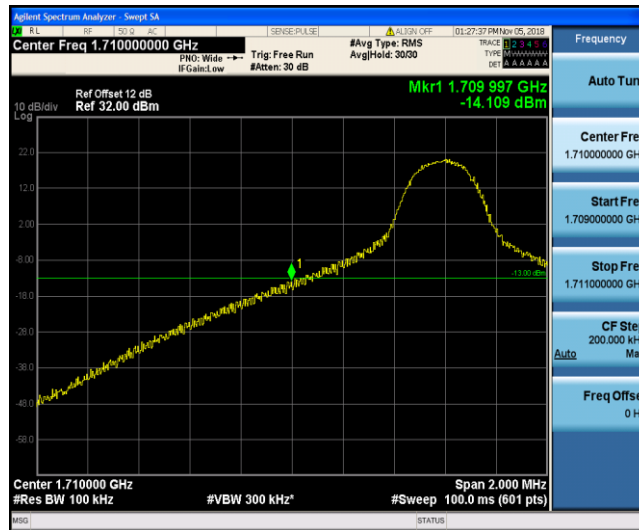
Band4\_10MHz\_QPSK\_20000\_50RB#0



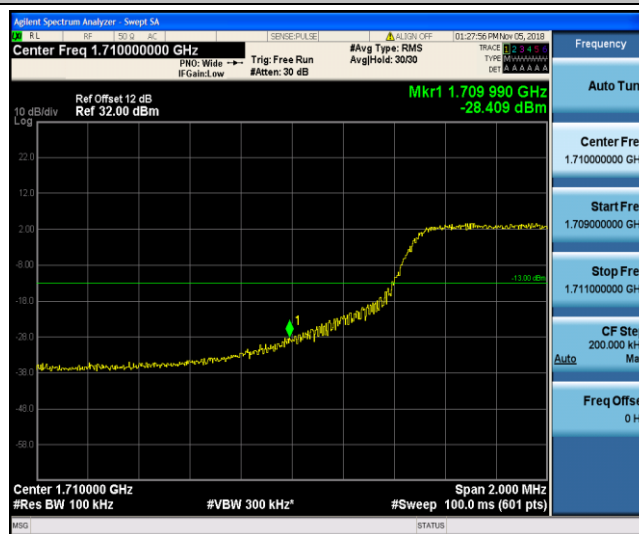
Band4\_10MHz\_QPSK\_20350\_1RB#49



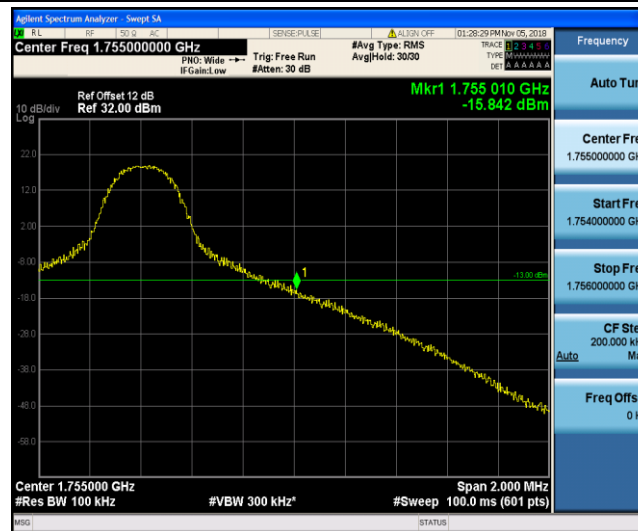
Band4\_10MHz\_QPSK\_20350\_50RB#0



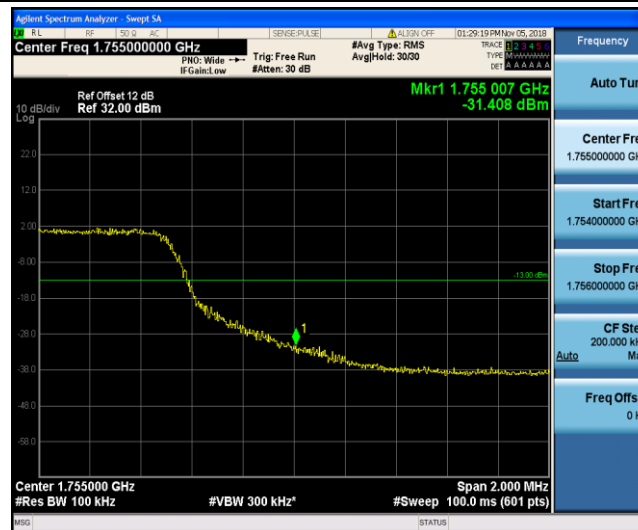
Band4\_10MHz\_16QAM\_20000\_1RB#0



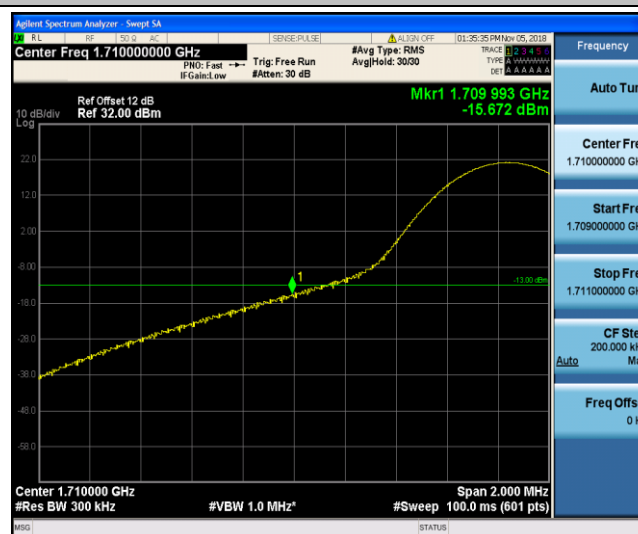
Band4\_10MHz\_16QAM\_20000\_50RB#0



Band4\_10MHz\_16QAM\_20350\_1RB#49



Band4\_10MHz\_16QAM\_20350\_50RB#0



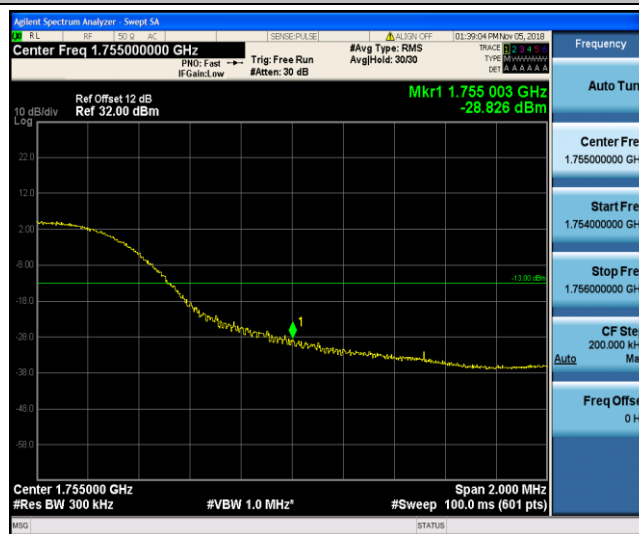
Band4\_15MHz\_QPSK\_20025\_1RB#0



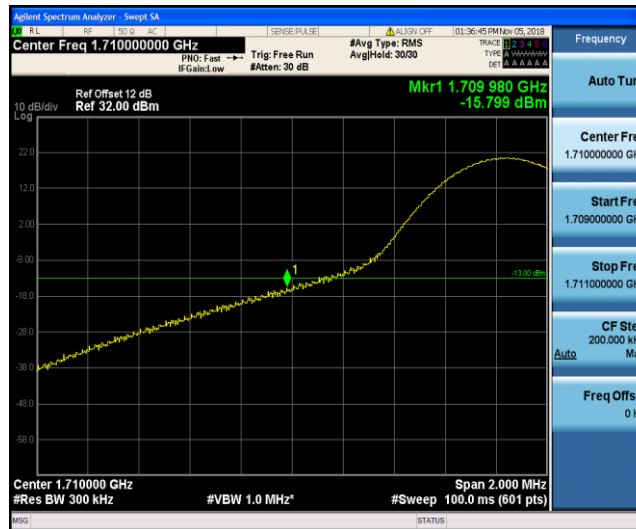
Band4\_15MHz\_QPSK\_20025\_75RB#0



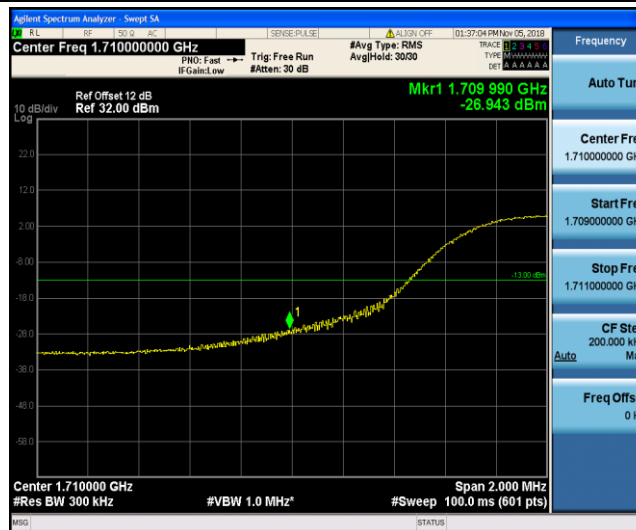
Band4\_15MHz\_QPSK\_20325\_1RB#74



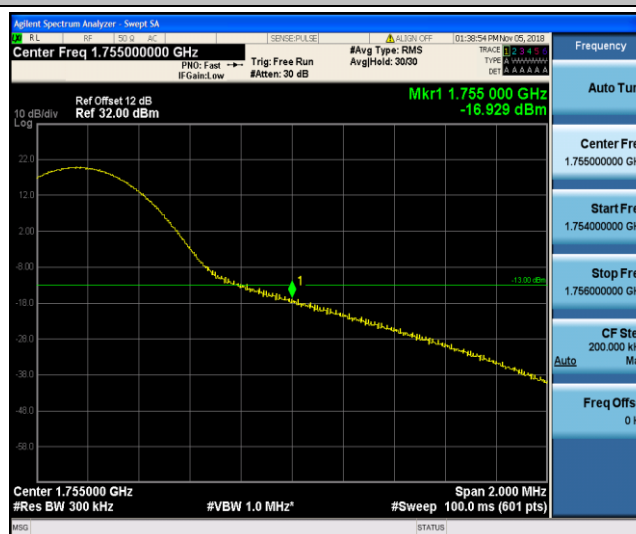
Band4\_15MHz\_QPSK\_20325\_75RB#0



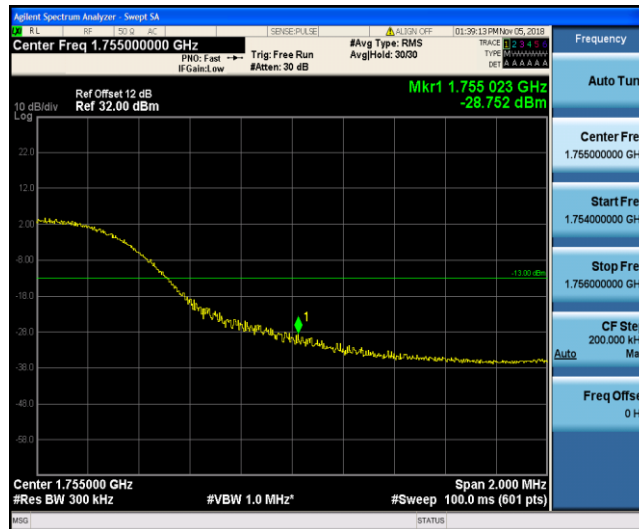
Band4\_15MHz\_16QAM\_20025\_1RB#0



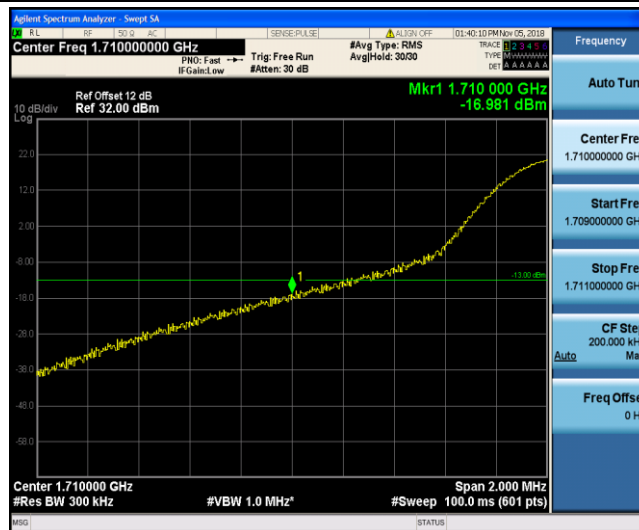
Band4\_15MHz\_16QAM\_20025\_75RB#0



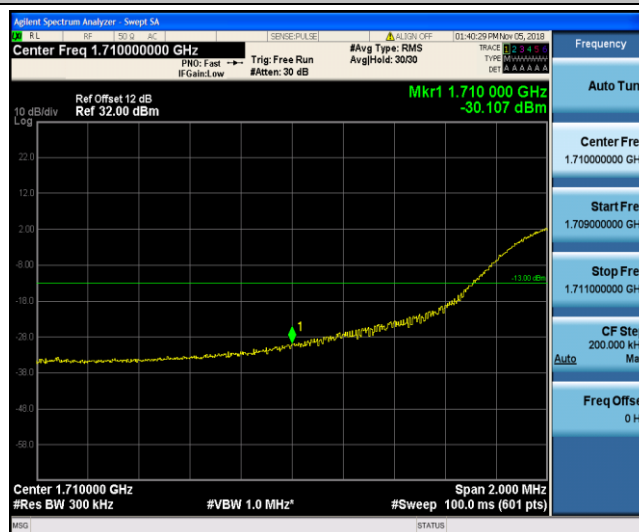
Band4\_15MHz\_16QAM\_20325\_1RB#74



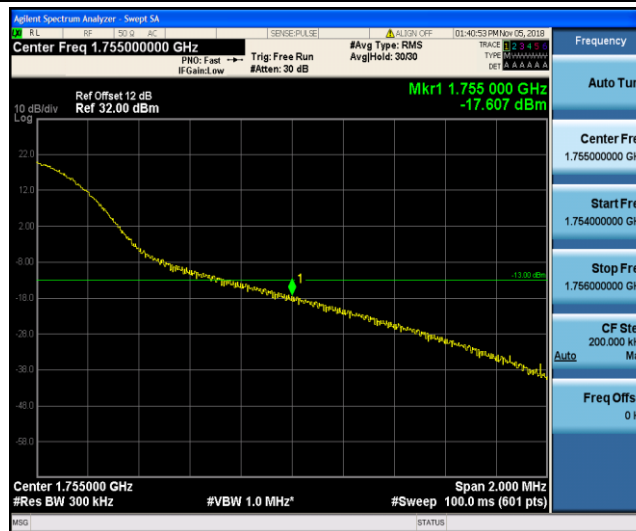
Band4\_15MHz\_16QAM\_20325\_75RB#0



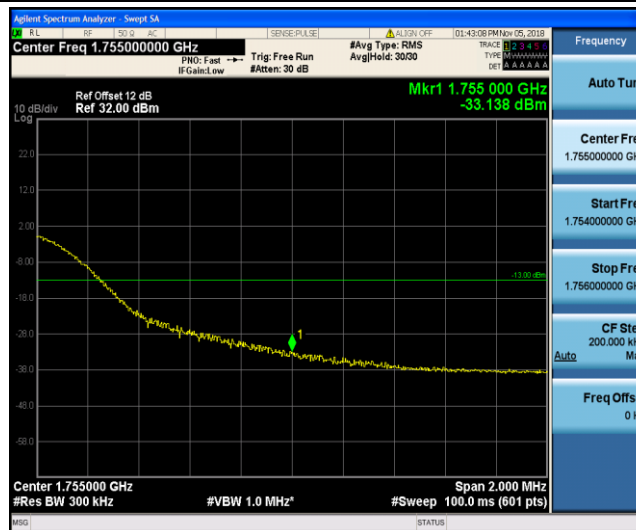
Band4\_20MHz\_QPSK\_20050\_1RB#0



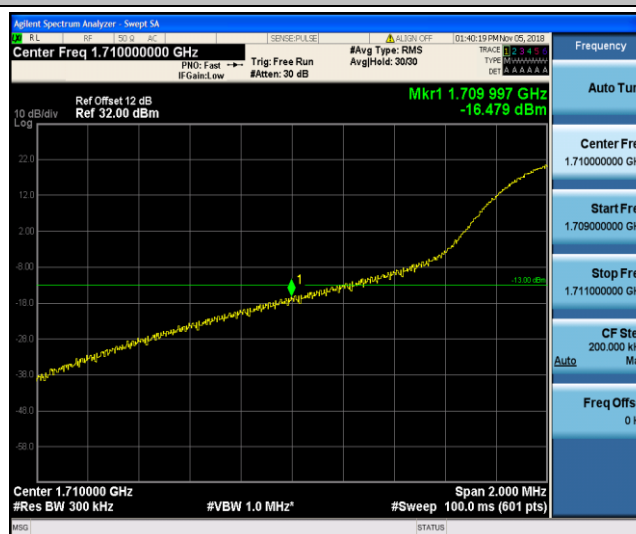
Band4\_20MHz\_QPSK\_20050\_100RB#0



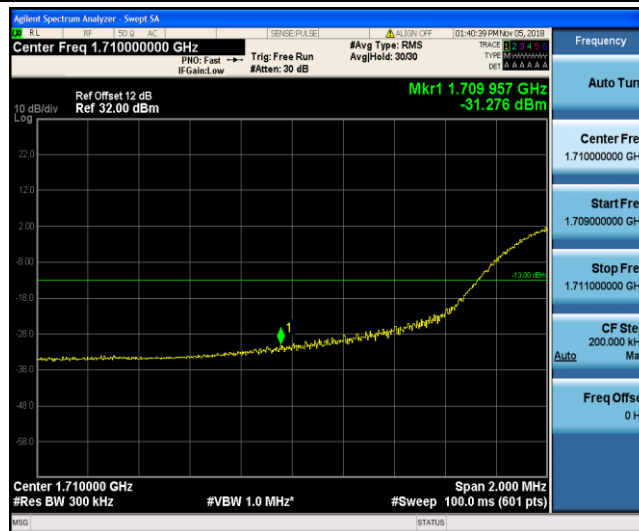
Band4\_20MHz\_QPSK\_20300\_1RB#99



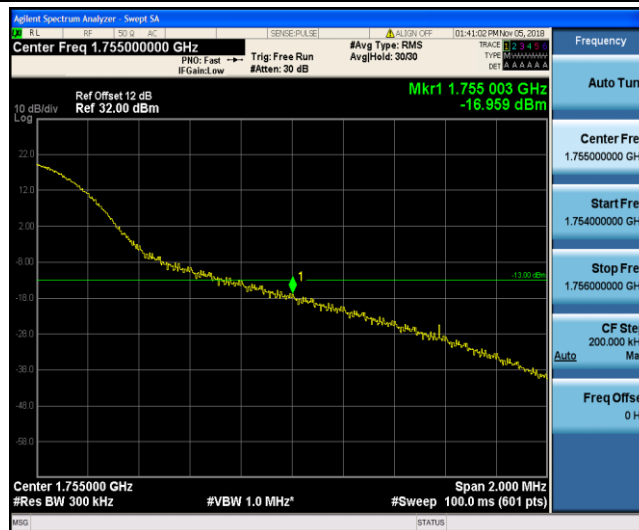
Band4\_20MHz\_QPSK\_20300\_100RB#0



Band4\_20MHz\_16QAM\_20050\_1RB#0



Band4\_20MHz\_16QAM\_20050\_100RB#0



Band4\_20MHz\_16QAM\_20300\_1RB#99



Band4\_20MHz\_16QAM\_20300\_100RB#0



## 8.5 Appendix E: Conducted Spurious Emission

### Test Result

| Band  | Bandwidth | Modulation | Channel | RB Configuration | Frequency Range      | Result (dBm) | Verdict |
|-------|-----------|------------|---------|------------------|----------------------|--------------|---------|
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | Range1:30~1000MHz    | -49.91       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 19957   | 1RB#0            | Range2:1000~26000MHz | -33.74       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | Range1:30~1000MHz    | -49.65       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20175   | 1RB#0            | Range2:1000~26000MHz | -33.41       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | Range1:30~1000MHz    | -50.01       | PASS    |
| Band4 | 1.4MHz    | QPSK       | 20393   | 1RB#0            | Range2:1000~26000MHz | -33.63       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | Range1:30~1000MHz    | -49.51       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 19957   | 1RB#0            | Range2:1000~26000MHz | -33.77       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | Range1:30~1000MHz    | -48.63       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20175   | 1RB#0            | Range2:1000~26000MHz | -33.70       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | Range1:30~1000MHz    | -49.57       | PASS    |
| Band4 | 1.4MHz    | 16QAM      | 20393   | 1RB#0            | Range2:1000~26000MHz | -33.76       | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | Range1:30~1000MHz    | -49.70       | PASS    |
| Band4 | 3MHz      | QPSK       | 19965   | 1RB#0            | Range2:1000~26000MHz | -33.77       | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 1RB#0            | Range1:30~1000MHz    | -49.80       | PASS    |
| Band4 | 3MHz      | QPSK       | 20175   | 1RB#0            | Range2:1000~26000MHz | -33.62       | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#0            | Range1:30~1000MHz    | -49.00       | PASS    |
| Band4 | 3MHz      | QPSK       | 20385   | 1RB#0            | Range2:1000~26000MHz | -33.62       | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 1RB#0            | Range1:30~1000MHz    | -49.27       | PASS    |
| Band4 | 3MHz      | 16QAM      | 19965   | 1RB#0            | Range2:1000~26000MHz | -33.75       | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 1RB#0            | Range1:30~1000MHz    | -50.00       | PASS    |
| Band4 | 3MHz      | 16QAM      | 20175   | 1RB#0            | Range2:1000~26000MHz | -33.89       | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 1RB#0            | Range1:30~1000MHz    | -49.47       | PASS    |
| Band4 | 3MHz      | 16QAM      | 20385   | 1RB#0            | Range2:1000~26000MHz | -33.78       | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 1RB#0            | Range1:30~1000MHz    | -49.55       | PASS    |
| Band4 | 5MHz      | QPSK       | 19975   | 1RB#0            | Range2:1000~26000MHz | -33.64       | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 1RB#0            | Range1:30~1000MHz    | -50.17       | PASS    |
| Band4 | 5MHz      | QPSK       | 20175   | 1RB#0            | Range2:1000~26000MHz | -33.71       | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 1RB#0            | Range1:30~1000MHz    | -49.39       | PASS    |
| Band4 | 5MHz      | QPSK       | 20375   | 1RB#0            | Range2:1000~26000MHz | -33.78       | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 1RB#0            | Range1:30~1000MHz    | -49.49       | PASS    |
| Band4 | 5MHz      | 16QAM      | 19975   | 1RB#0            | Range2:1000~26000MHz | -33.64       | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 1RB#0            | Range1:30~1000MHz    | -49.63       | PASS    |
| Band4 | 5MHz      | 16QAM      | 20175   | 1RB#0            | Range2:1000~26000MHz | -33.83       | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 1RB#0            | Range1:30~1000MHz    | -49.88       | PASS    |
| Band4 | 5MHz      | 16QAM      | 20375   | 1RB#0            | Range2:1000~26000MHz | -33.39       | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 1RB#0            | Range1:30~1000MHz    | -49.82       | PASS    |
| Band4 | 10MHz     | QPSK       | 20000   | 1RB#0            | Range2:1000~26000MHz | -33.76       | PASS    |
| Band4 | 10MHz     | QPSK       | 20175   | 1RB#0            | Range1:30~1000MHz    | -49.63       | PASS    |



|       |       |       |       |       |                      |        |      |
|-------|-------|-------|-------|-------|----------------------|--------|------|
| Band4 | 10MHz | QPSK  | 20175 | 1RB#0 | Range2:1000~26000MHz | -33.65 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0 | Range1:30~1000MHz    | -48.84 | PASS |
| Band4 | 10MHz | QPSK  | 20350 | 1RB#0 | Range2:1000~26000MHz | -33.72 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | Range1:30~1000MHz    | -49.53 | PASS |
| Band4 | 10MHz | 16QAM | 20000 | 1RB#0 | Range2:1000~26000MHz | -33.75 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | Range1:30~1000MHz    | -49.55 | PASS |
| Band4 | 10MHz | 16QAM | 20175 | 1RB#0 | Range2:1000~26000MHz | -33.70 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | Range1:30~1000MHz    | -49.55 | PASS |
| Band4 | 10MHz | 16QAM | 20350 | 1RB#0 | Range2:1000~26000MHz | -33.57 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0 | Range1:30~1000MHz    | -49.57 | PASS |
| Band4 | 15MHz | QPSK  | 20025 | 1RB#0 | Range2:1000~26000MHz | -33.92 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0 | Range1:30~1000MHz    | -49.81 | PASS |
| Band4 | 15MHz | QPSK  | 20175 | 1RB#0 | Range2:1000~26000MHz | -33.59 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0 | Range1:30~1000MHz    | -49.29 | PASS |
| Band4 | 15MHz | QPSK  | 20325 | 1RB#0 | Range2:1000~26000MHz | -33.78 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | Range1:30~1000MHz    | -49.84 | PASS |
| Band4 | 15MHz | 16QAM | 20025 | 1RB#0 | Range2:1000~26000MHz | -33.57 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | Range1:30~1000MHz    | -49.30 | PASS |
| Band4 | 15MHz | 16QAM | 20175 | 1RB#0 | Range2:1000~26000MHz | -33.80 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | Range1:30~1000MHz    | -49.77 | PASS |
| Band4 | 15MHz | 16QAM | 20325 | 1RB#0 | Range2:1000~26000MHz | -33.78 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0 | Range1:30~1000MHz    | -50.30 | PASS |
| Band4 | 20MHz | QPSK  | 20050 | 1RB#0 | Range2:1000~26000MHz | -33.76 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0 | Range1:30~1000MHz    | -49.80 | PASS |
| Band4 | 20MHz | QPSK  | 20175 | 1RB#0 | Range2:1000~26000MHz | -33.87 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0 | Range1:30~1000MHz    | -49.39 | PASS |
| Band4 | 20MHz | QPSK  | 20300 | 1RB#0 | Range2:1000~26000MHz | -33.46 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | Range1:30~1000MHz    | -49.14 | PASS |
| Band4 | 20MHz | 16QAM | 20050 | 1RB#0 | Range2:1000~26000MHz | -33.75 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | Range1:30~1000MHz    | -49.97 | PASS |
| Band4 | 20MHz | 16QAM | 20175 | 1RB#0 | Range2:1000~26000MHz | -33.76 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | Range1:30~1000MHz    | -49.52 | PASS |
| Band4 | 20MHz | 16QAM | 20300 | 1RB#0 | Range2:1000~26000MHz | -33.70 | PASS |