Appendix A

RF Test Data for BT V4.2 (BDR/EDR) (Conducted Measurement)

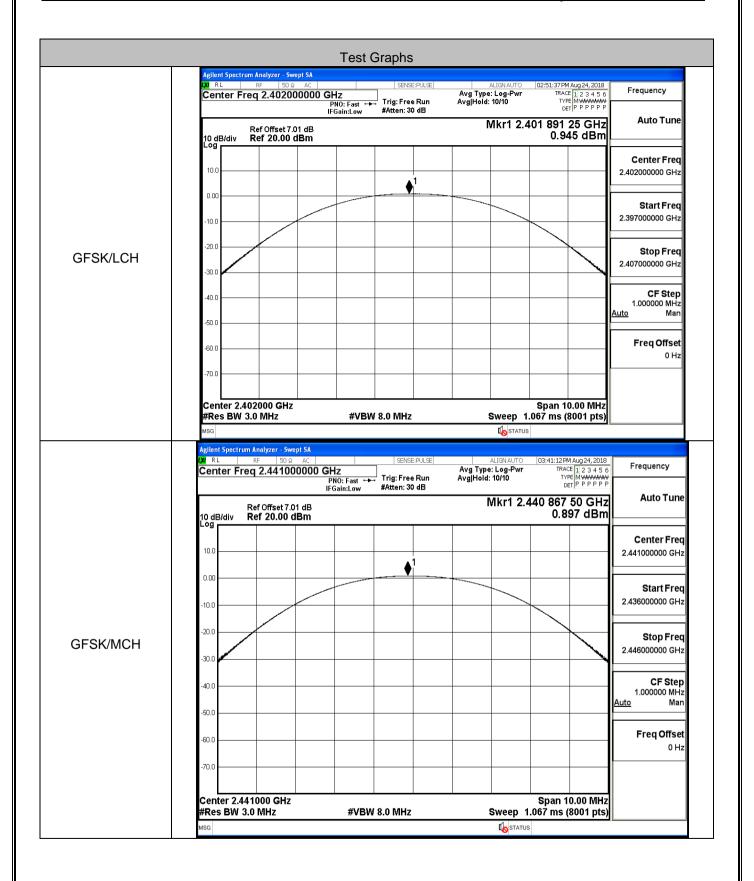
Product Name: smart media player
Trade Mark: ZIDOO
Test Model: Z9S

Environmental Conditions

| · | |
|--------------------|-------------|
| Temperature: | 24.3° C |
| Relative Humidity: | 54.2% |
| ATM Pressure: | 100.0 kPa |
| Test Engineer: | Tom.Liu |
| Supervised by: | Jayden.Zhuo |

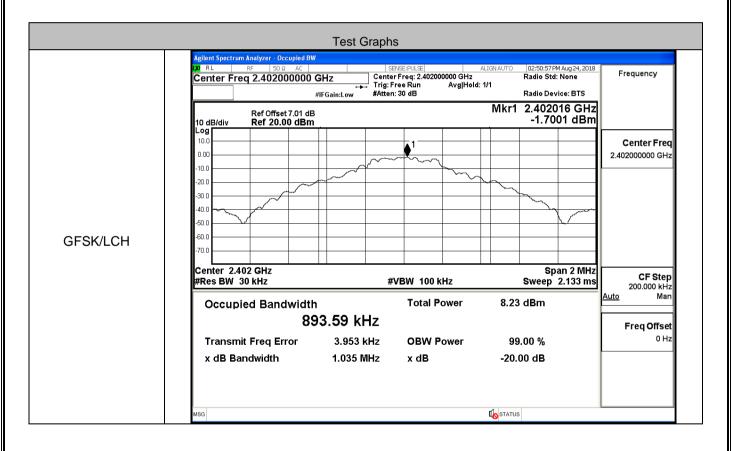
A.1 Maximum Conducted Peak Output Power

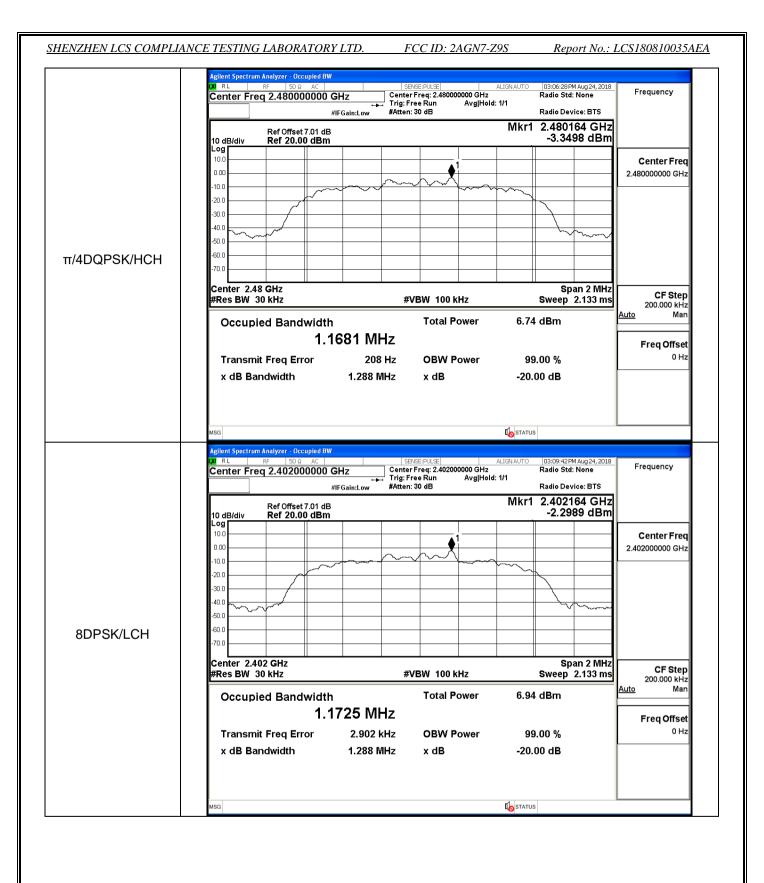
| Mode | Channel. | Maximum Peak Output Power [dBm] | Limit [dBm] | Verdict |
|----------|----------|---------------------------------|-------------|---------|
| | LCH | 0.945 | 30 | PASS |
| GFSK | MCH | 0.897 | 30 | PASS |
| | НСН | 0.767 | 30 | PASS |
| | LCH | 0.799 | 21 | PASS |
| π/4DQPSK | MCH | 0.721 | 21 | PASS |
| | НСН | 0.585 | 21 | PASS |
| | LCH | 0.969 | 21 | PASS |
| 8DPSK | MCH | 0.960 | 21 | PASS |
| | HCH | 0.783 | 21 | PASS |



A.2 99% and 20dB Bandwidth

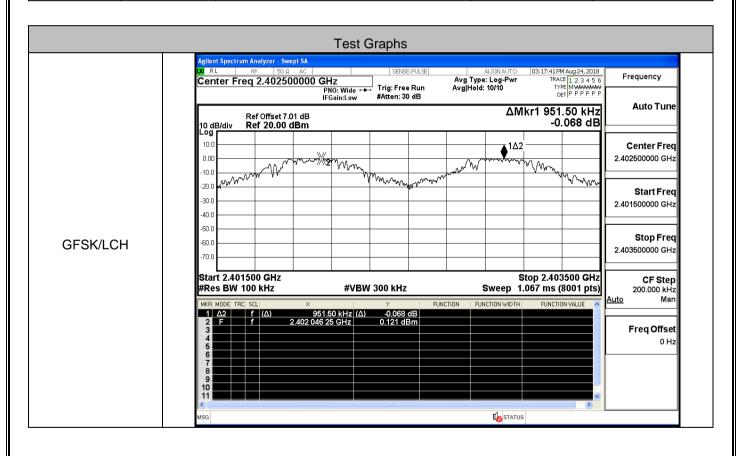
| Mode | Channel. | 99% Bandwidth [MHz] | 20dB Bandwidth [MHz] | Limit [MHz] | Verdict |
|----------|-----------------|---------------------|----------------------|---------------|---------|
| | LCH | 0.89359 | 1.035 | Not Specified | PASS |
| GFSK | MCH | 0.88990 | 1.026 | Not Specified | PASS |
| | НСН | 0.88985 | 1.027 | Not Specified | PASS |
| | LCH | 1.1711 | 1.292 | Not Specified | PASS |
| π/4DQPSK | MCH | 1.1681 | 1.286 | Not Specified | PASS |
| | HCH | 1.1681 | 1.288 | Not Specified | PASS |
| | LCH | 1.1725 | 1.288 | Not Specified | PASS |
| 8DPSK | OPSK MCH 1.1726 | | 1.293 | Not Specified | PASS |
| | HCH | 1.1721 | 1.291 | Not Specified | PASS |

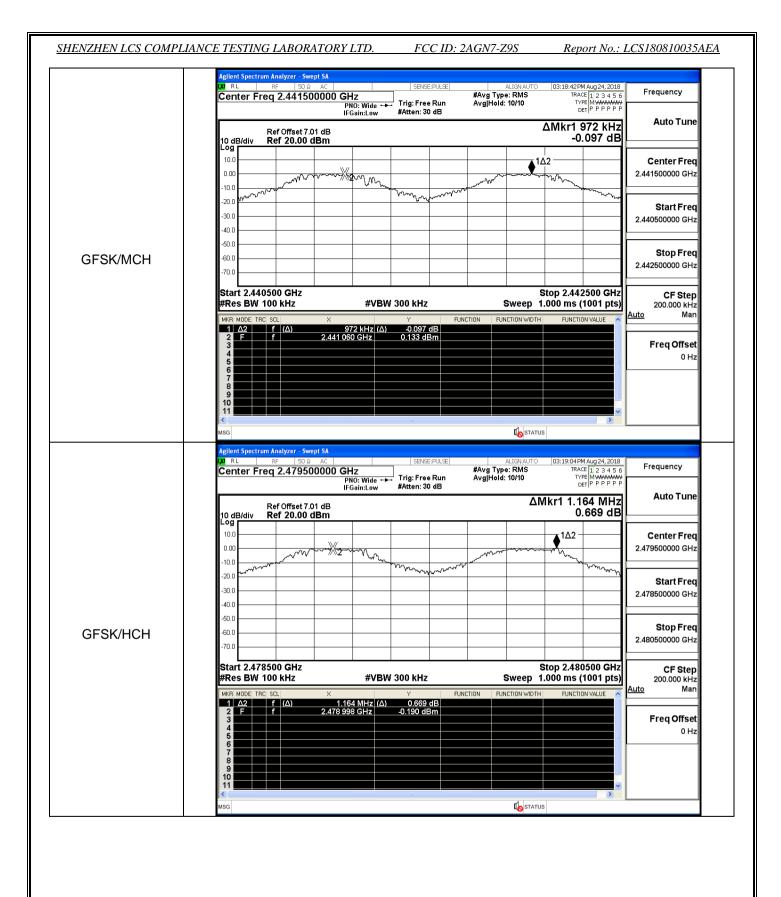


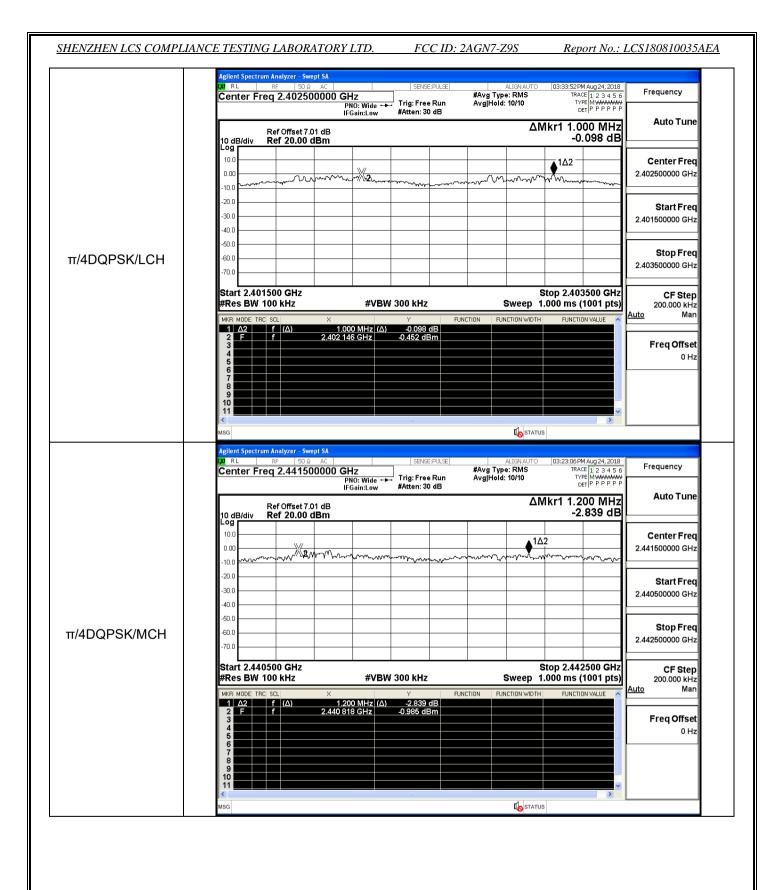


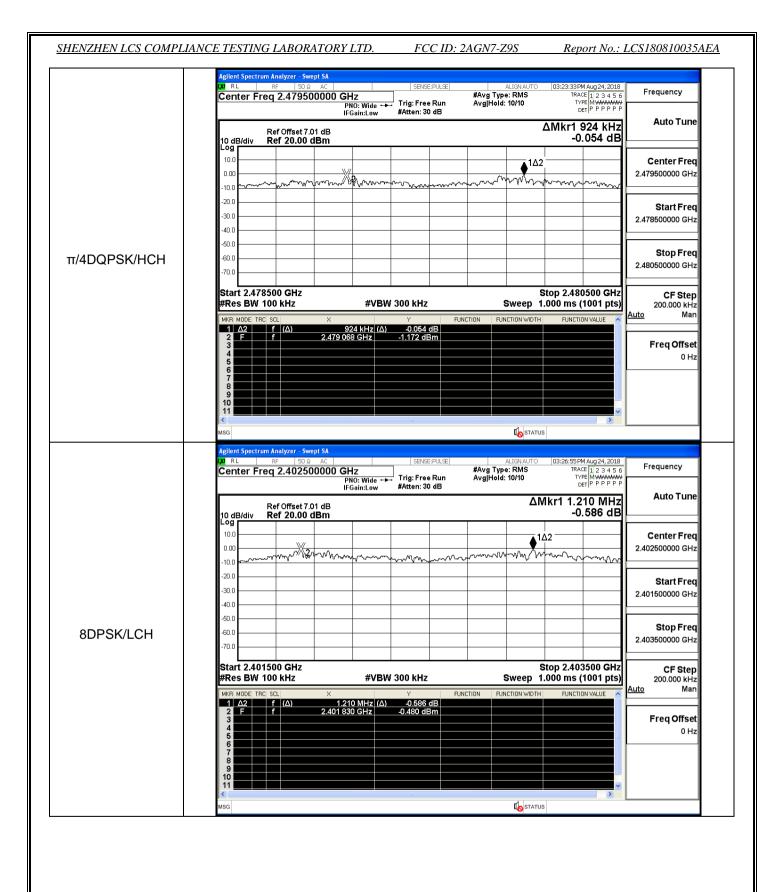
A.3 Carrier Frequency Separation

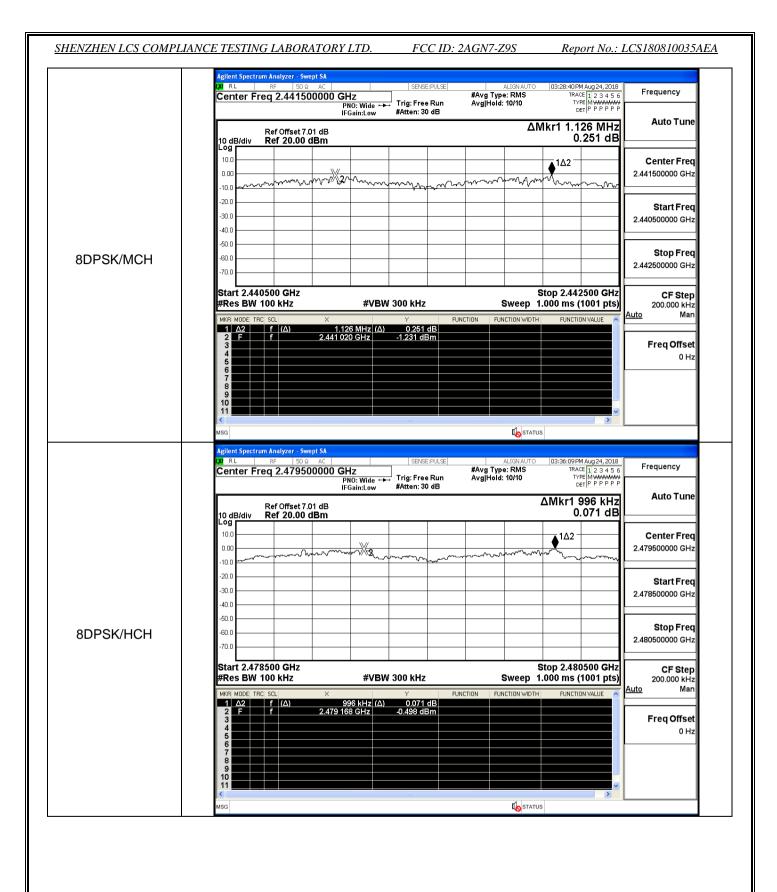
| Mode | Channel. | Carrier Frequency Separation [MHz] | Limit [MHz] | Verdict |
|----------|----------|------------------------------------|-------------|---------|
| | LCH | 0.952 | 0.690 | PASS |
| GFSK | MCH | 0.972 | 0.690 | PASS |
| | HCH | 1.164 | 0.690 | PASS |
| | LCH | 1.000 | 0.861 | PASS |
| π/4DQPSK | MCH | 1.200 | 0.861 | PASS |
| | HCH | 0.924 | 0.861 | PASS |
| | LCH | 1.210 | 0.862 | PASS |
| 8DPSK | MCH | 1.126 | 0.862 | PASS |
| | HCH | 0.996 | 0.862 | PASS |





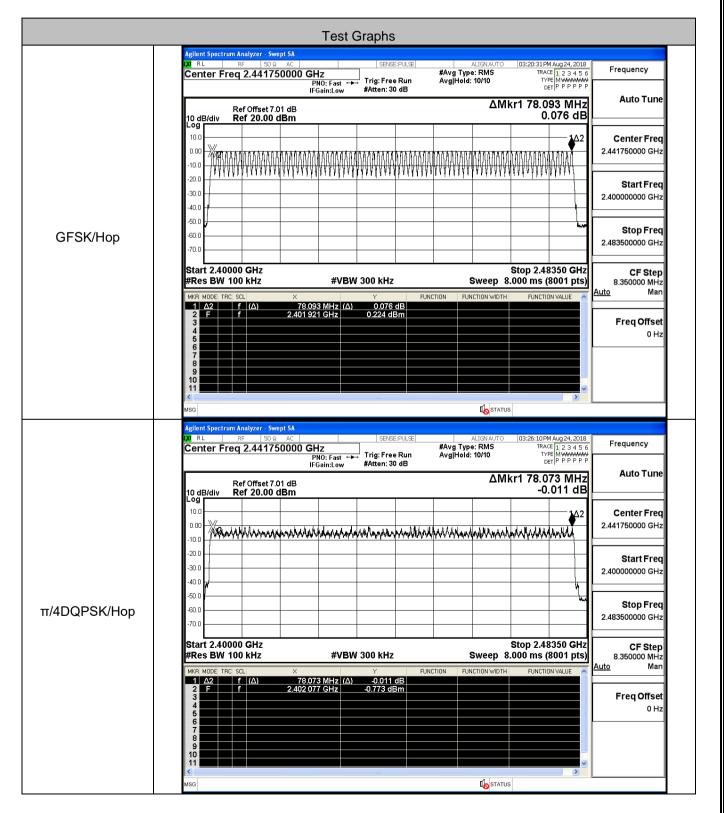






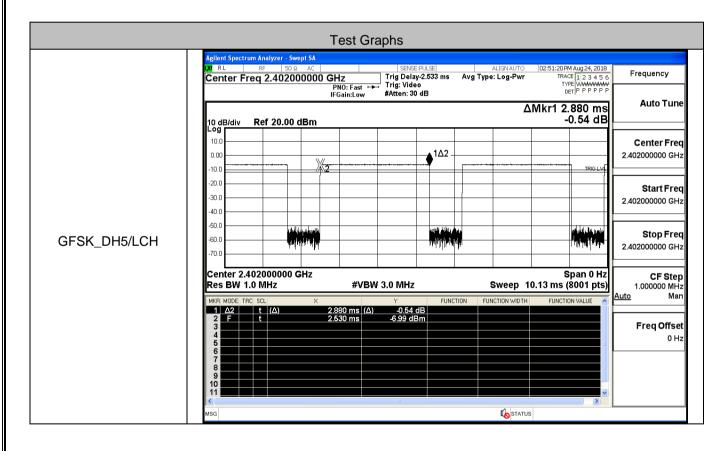
A.4 Hopping Channel Number

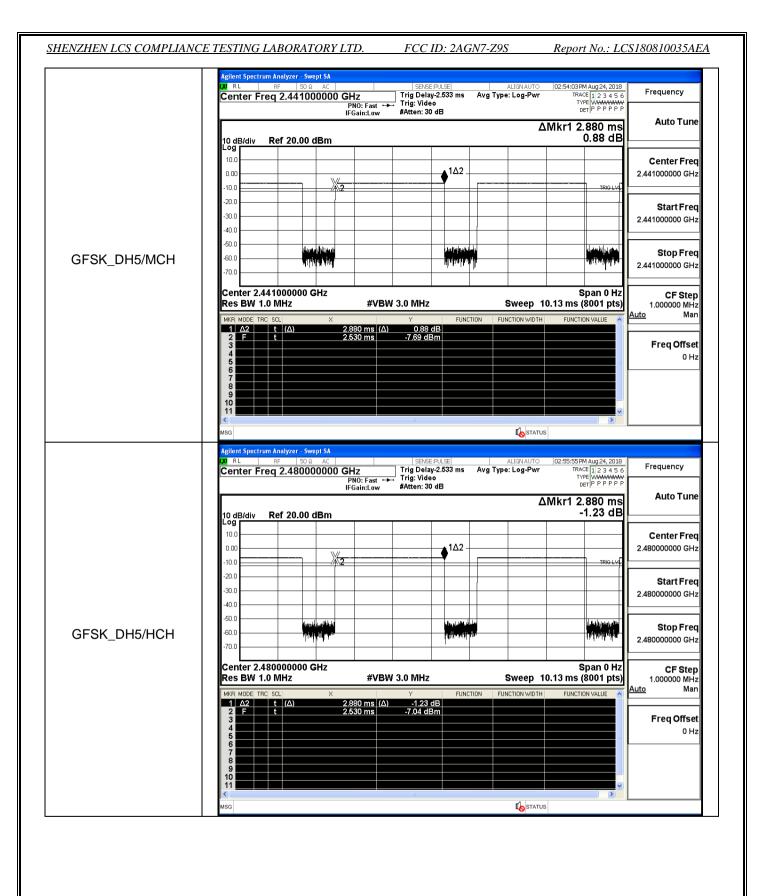
| Mode | Channel. | Number of Hopping Channel [N] | Limit [N] | Verdict |
|----------|----------|-------------------------------|-----------|---------|
| GFSK | Нор | 79 | >=15 | PASS |
| π/4DQPSK | Нор | 79 | >=15 | PASS |
| 8DPSK | Нор | 79 | >=15 | PASS |

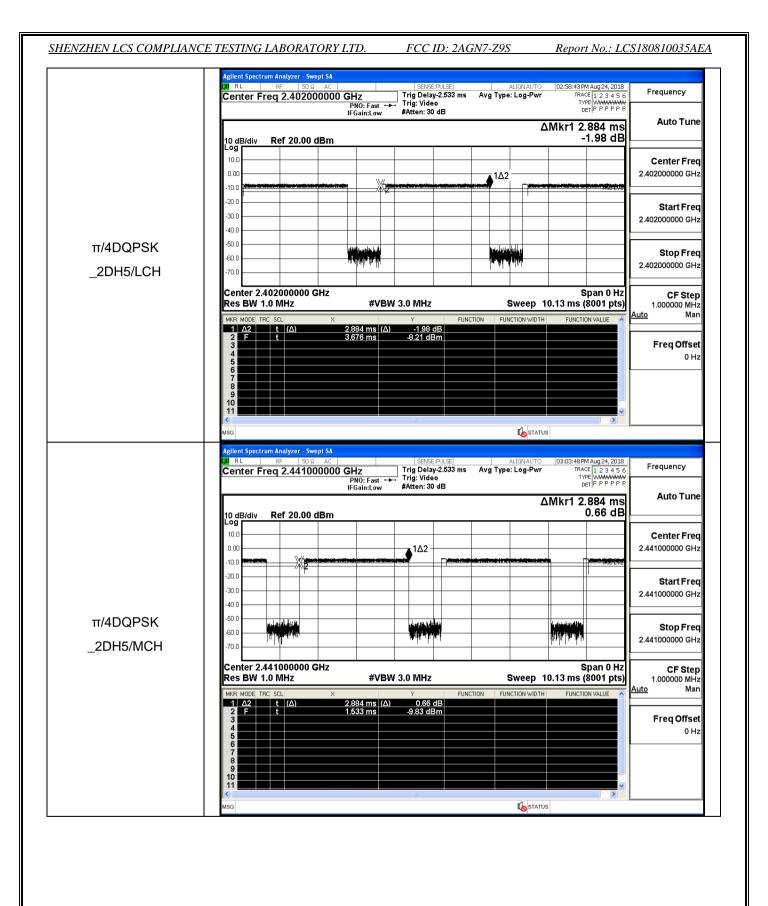


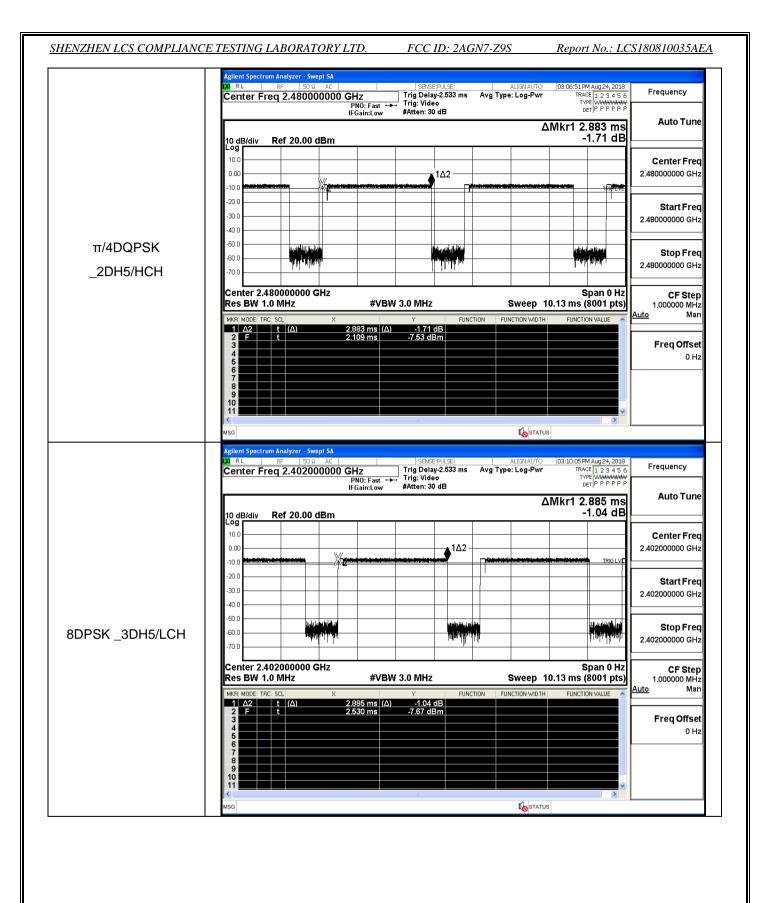
A.5 Dwell Time

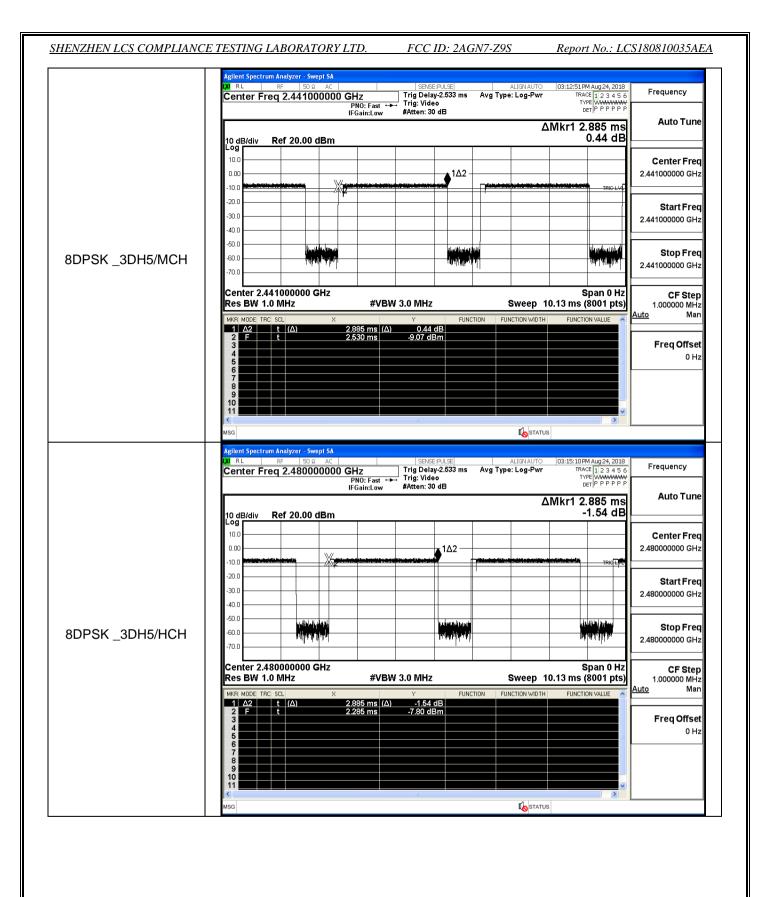
| Mode | Packet | Channel | Burst Width [ms/hop/ch] | Total Hops[hop*ch] | Dwell Time[s] | Limit [s] | Verdict |
|----------|--------------|---------|----------------------------|-----------------------|---------------|-----------|---------|
| | DH5 | LCH | 2.88 | 106.7 | 0.307 | 0.4 | PASS |
| GFSK | GFSK DH5 MCH | | 2.88 | 106.7 | 0.307 | 0.4 | PASS |
| | DH5 | HCH | 2.88 | 106.7 | 0.307 | 0.4 | PASS |
| | 2DH5 | LCH | 2.88 | 106.7 | 0.307 | 0.4 | PASS |
| π/4DQPSK | 2DH5 | MCH | 2.88 | 106.7 | 0.307 | 0.4 | PASS |
| | 2DH5 | HCH | 2.88 | 106.7 | 0.307 | 0.4 | PASS |
| | 3DH5 | LCH | 2.88 | 106.7 | 0.308 | 0.4 | PASS |
| 8DPSK | 3DH5 | MCH | 2.88 | 106.7 | 0.308 | 0.4 | PASS |
| | 3DH5 | HCH | 2.88 | 106.7 | 0.308 | 0.4 | PASS |





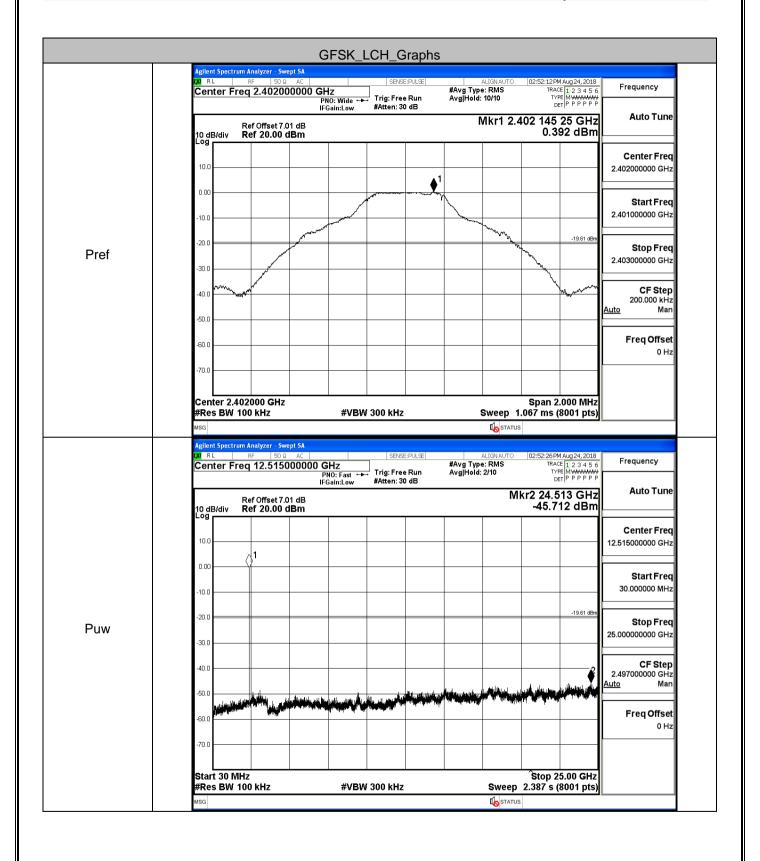


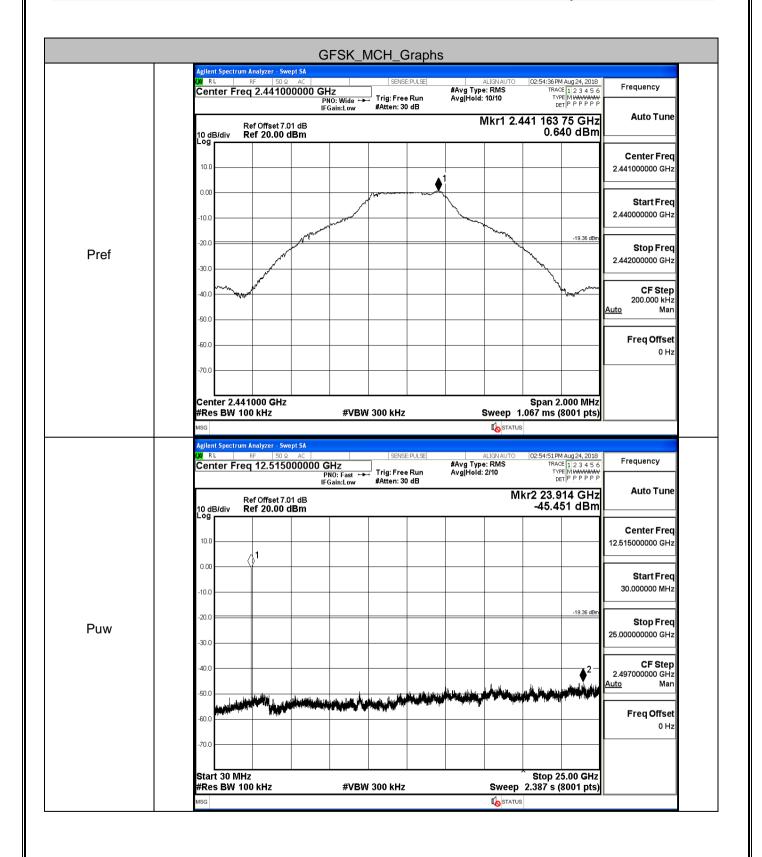


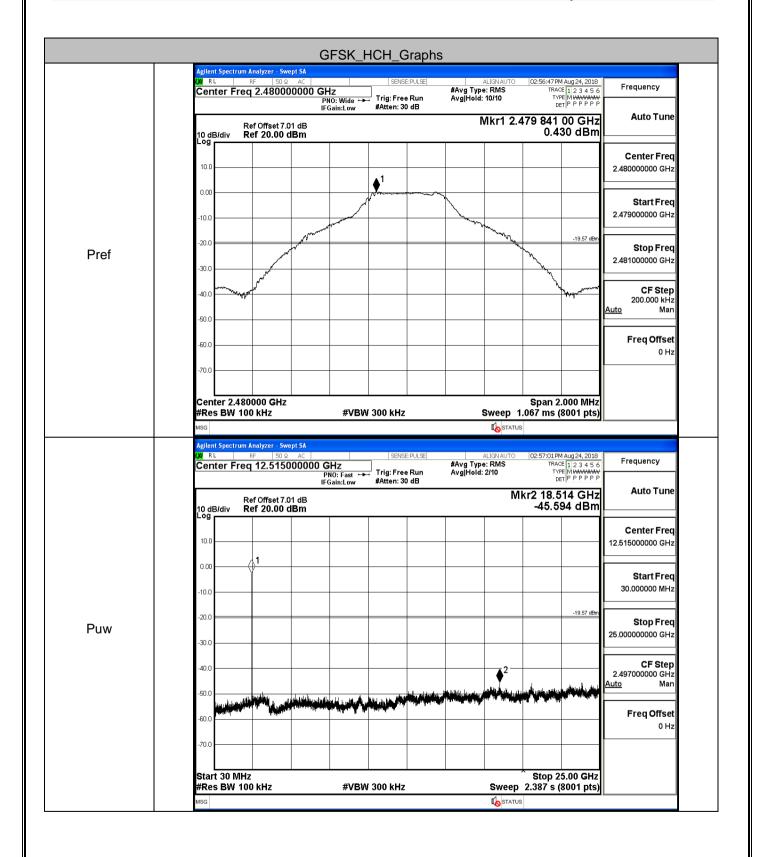


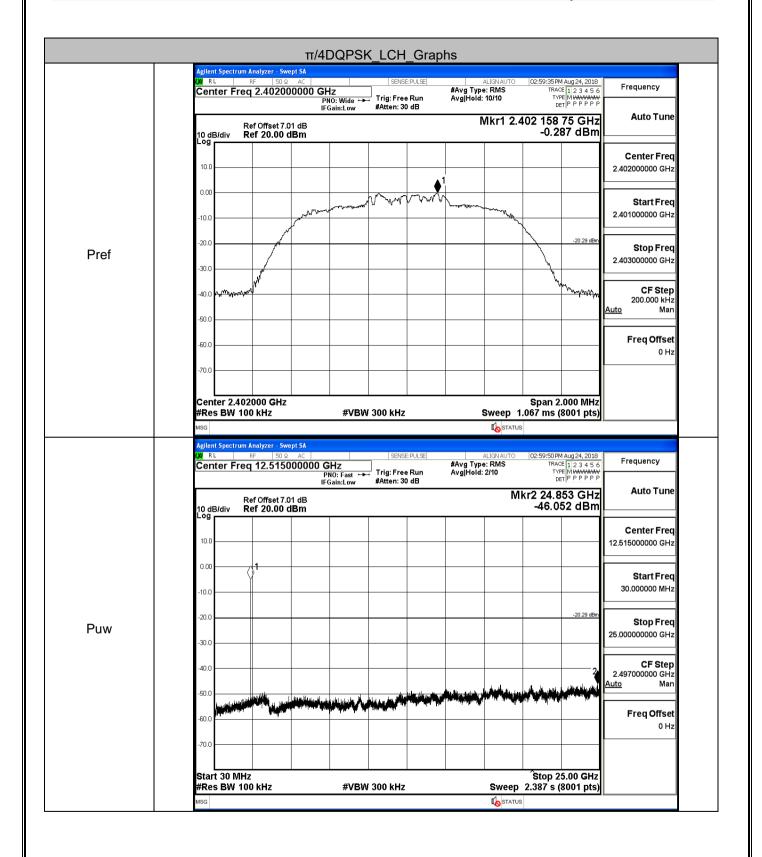
A.6 RF Conducted Spurious Emissions

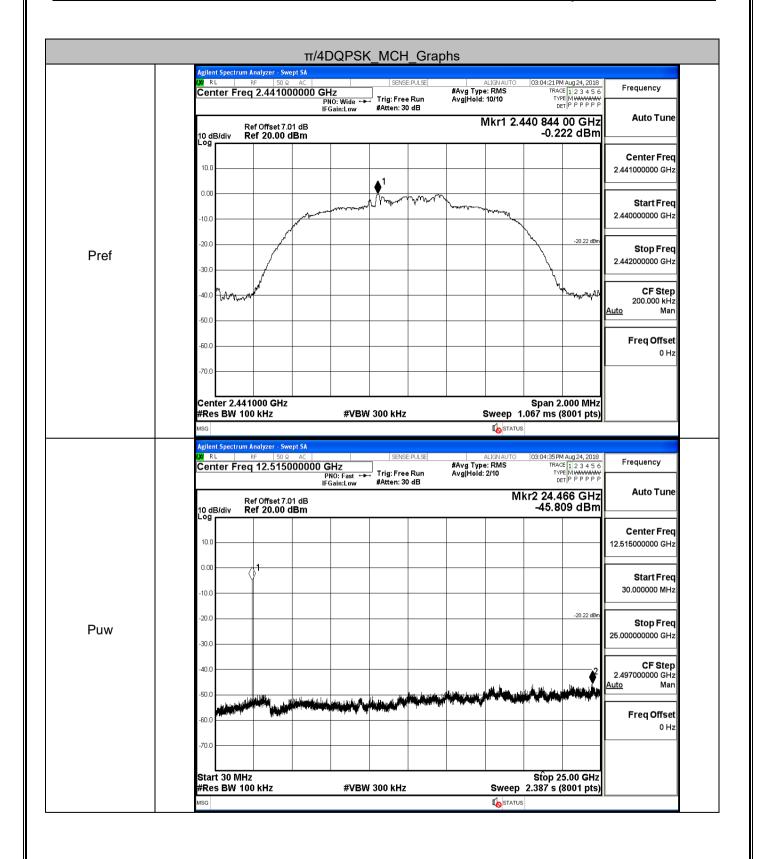
| Mode | Channel | Pref [dBm] | Max. Level [dBm] | Limit [dBm] | Verdict |
|----------|---------|------------|------------------|-------------|---------|
| | LCH | 0.392 | -45.712 | -19.608 | PASS |
| GFSK | MCH | 0.64 | -45.451 | -19.360 | PASS |
| | HCH | 0.43 | -45.594 | -19.570 | PASS |
| | LCH | -0.287 | -46.052 | -20.287 | PASS |
| π/4DQPSK | MCH | -0.222 | -45.809 | -20.222 | PASS |
| | НСН | -0.443 | -46.168 | -20.443 | PASS |
| | LCH | -0.193 | -46.228 | -20.193 | PASS |
| 8DPSK | MCH | -0.263 | -45.947 | -20.263 | PASS |
| | НСН | -0.477 | -45.902 | -20.477 | PASS |

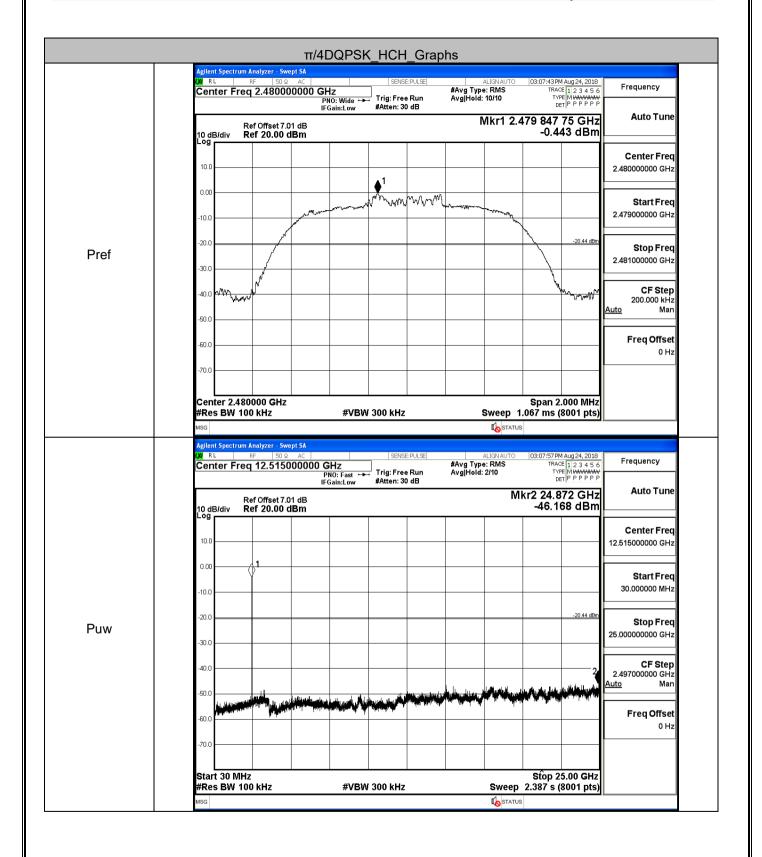


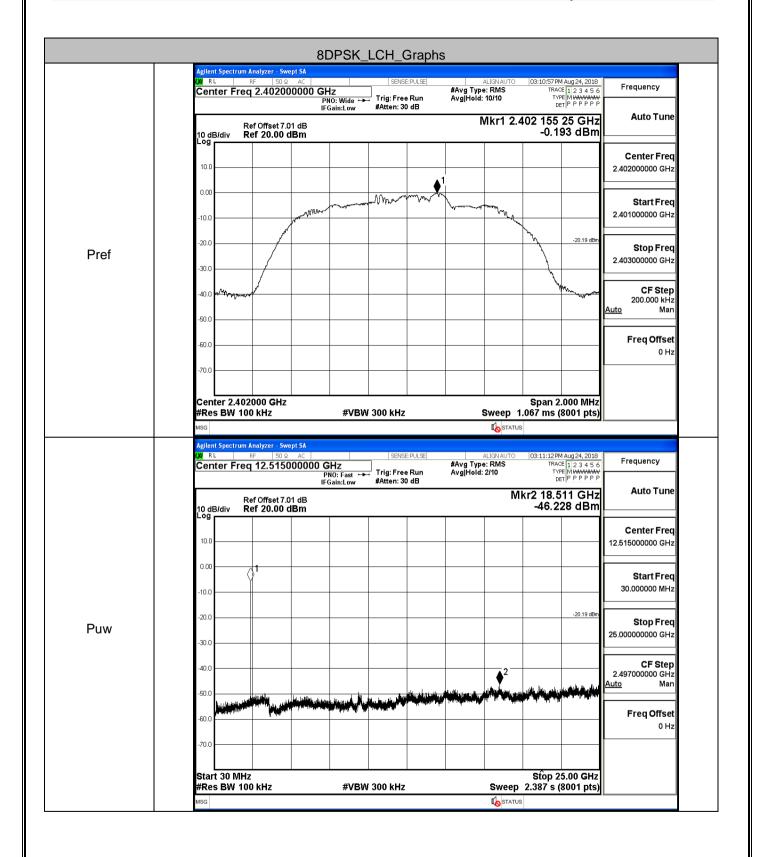


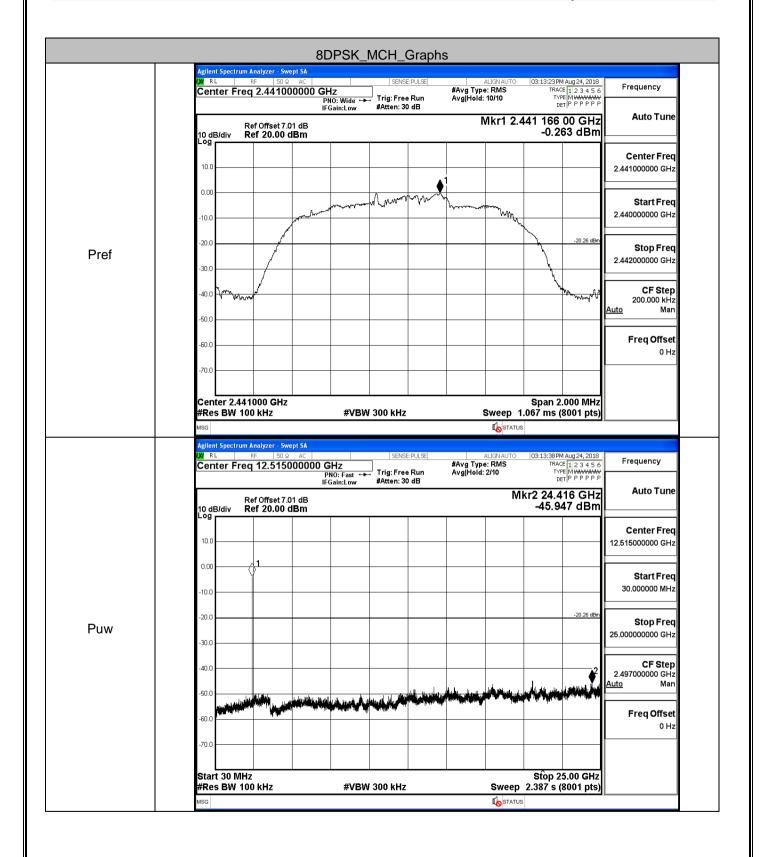


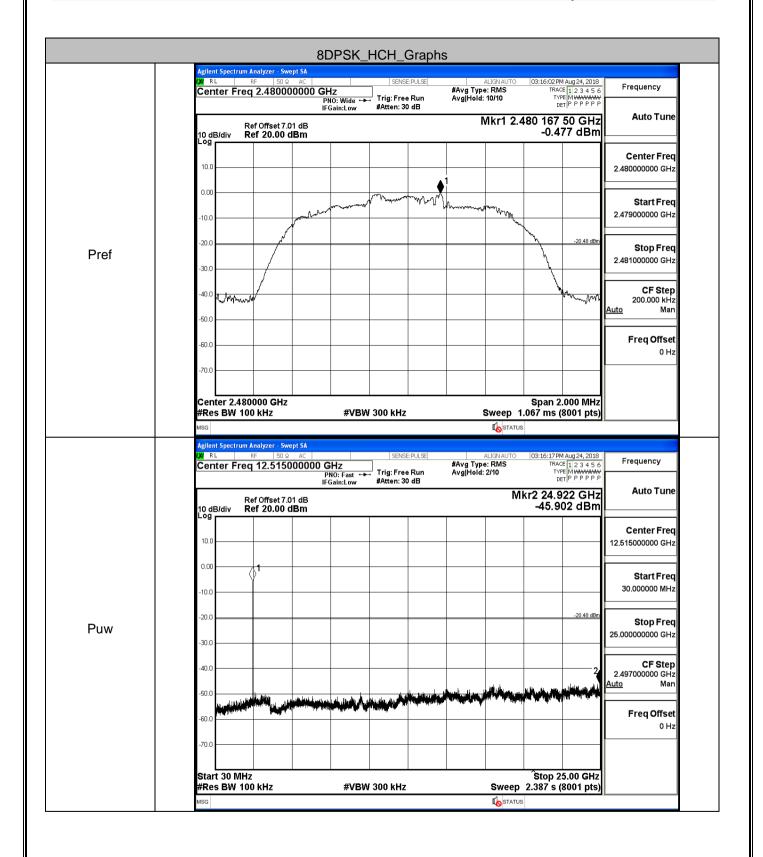






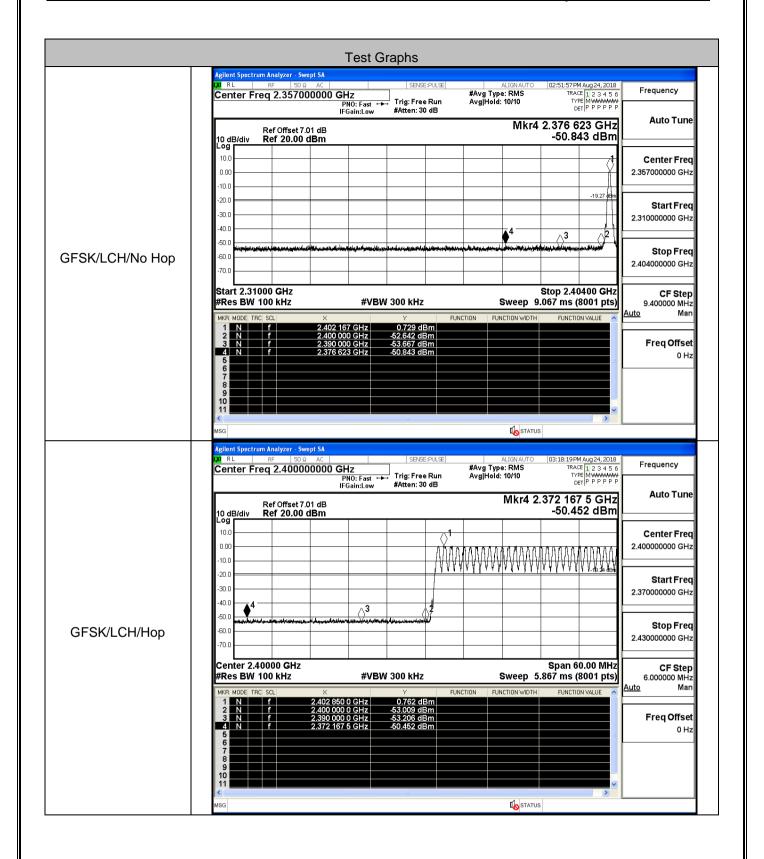


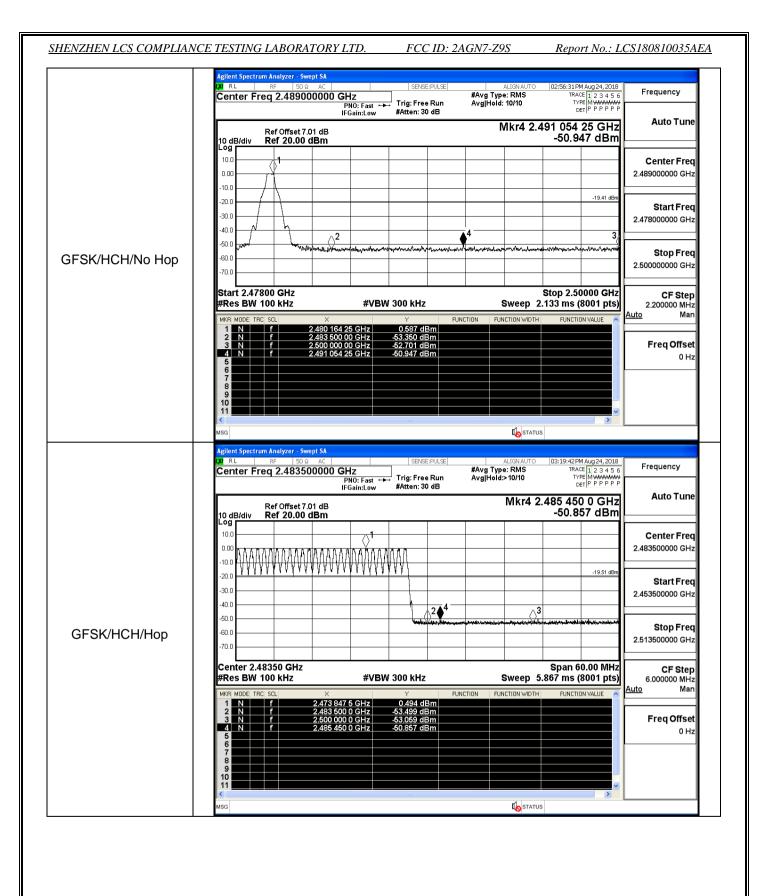


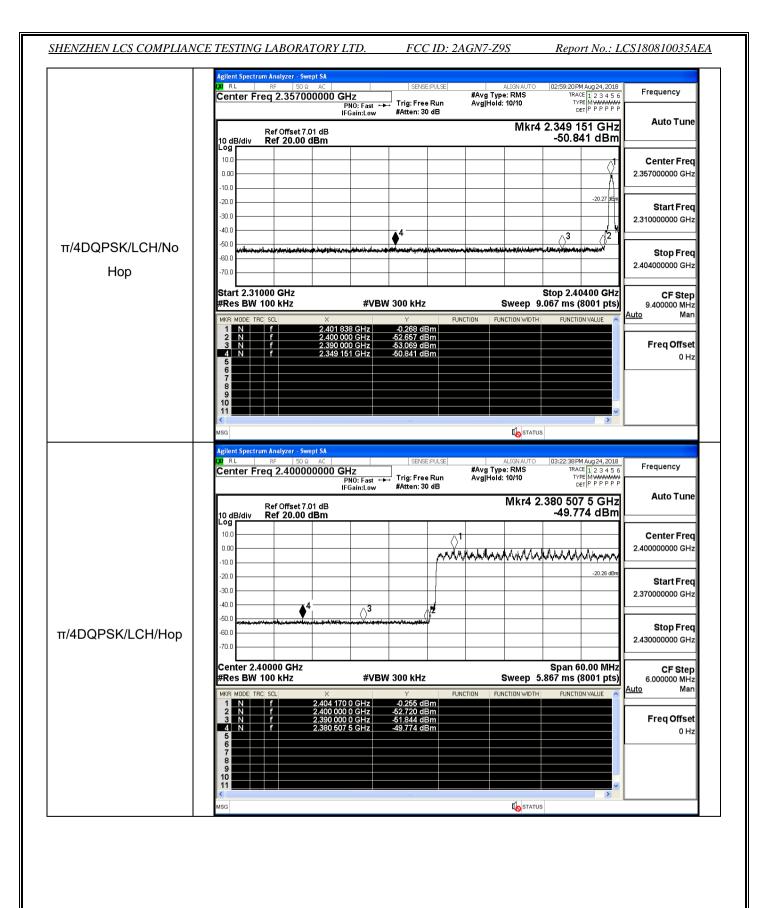


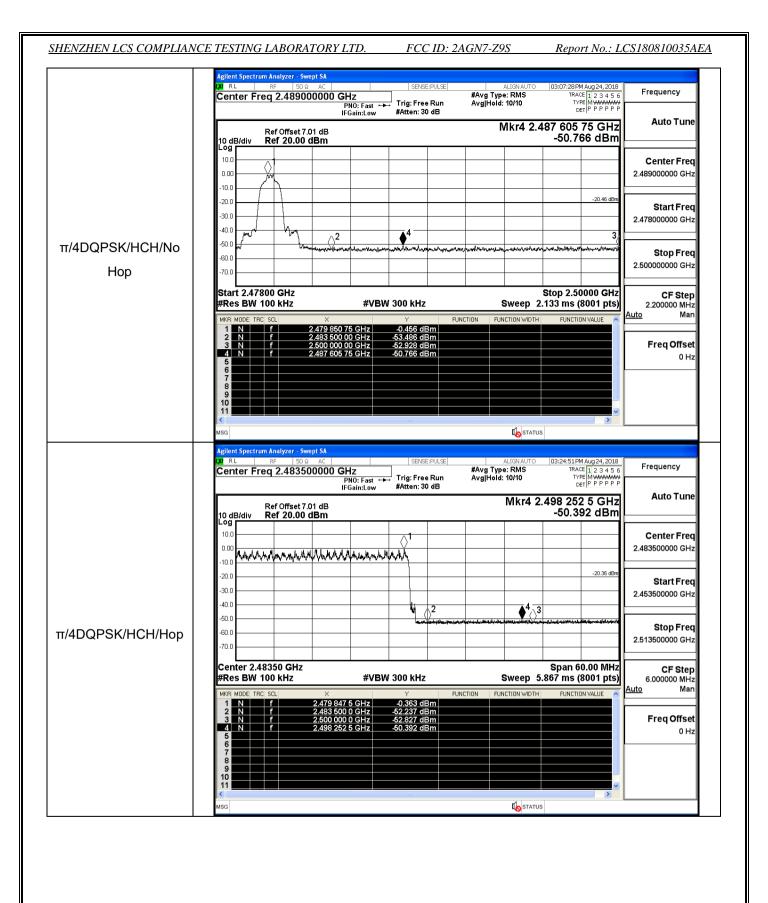
A.7 Band-edge for RF Conducted Emissions

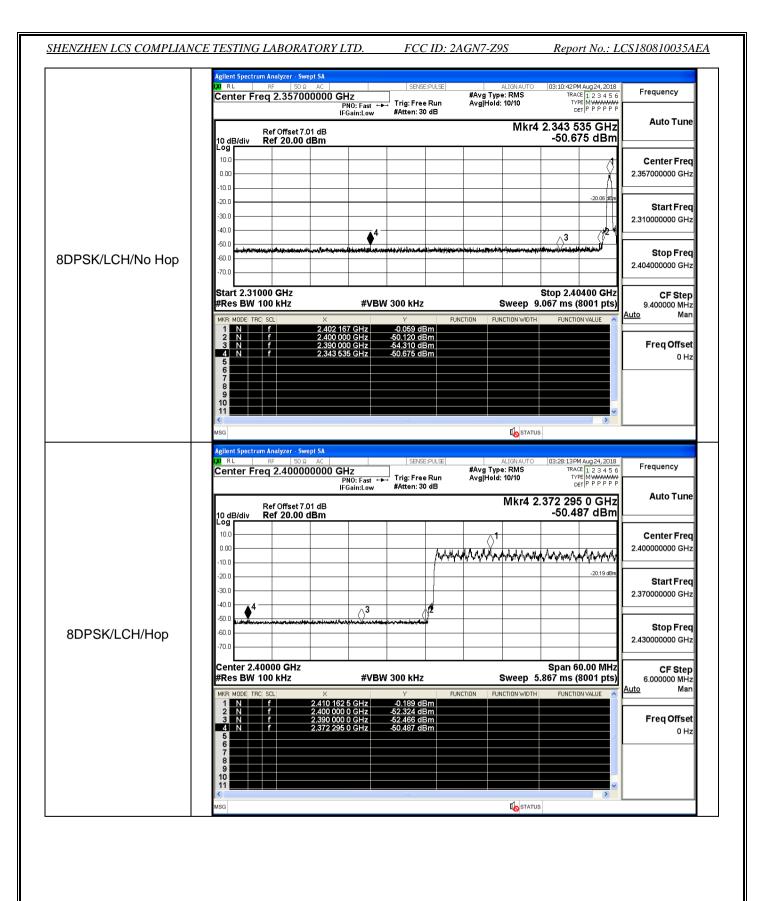
| Mode | Channel | Carrier Frequency [MHz] | Carrier Power [dBm] | Frequency Hopping | Max Spurious Level [dBm] | Limit [dBm] | Verdict |
|----------|---------|-------------------------------|---------------------------|----------------------|-----------------------------------|----------------|---------|
| | | 0.400 | 0.729 | Off | -50.843 | -19.27 | PASS |
| 2-21/ | LCH | 2402 | 0.762 | On | -50.452 | -19.24 | PASS |
| GFSK | НСН | 2480 | 0.587 | Off | -50.947 | -19.41 | PASS |
| | | | 0.494 | On | -50.857 | -19.51 | PASS |
| | LCH | | -0.268 | Off | -50.841 | -20.27 | PASS |
| | | 2402 | -0.255 | On | -49.774 | -20.26 | PASS |
| π/4DQPSK | НСН | | -0.456 | Off | -50.766 | -20.46 | PASS |
| | | :H 2480 | -0.363 | On | -50.392 | -20.36 | PASS |
| | | 2402 | -0.059 | Off | -50.675 | -20.06 | PASS |
| 8DPSK | LCH | | -0.189 | On | -50.487 | -20.19 | PASS |
| | | | -0.388 | Off | -50.397 | -20.39 | PASS |
| | HCH | 2480 | -0.291 | On | -50.223 | -20.29 | PASS |

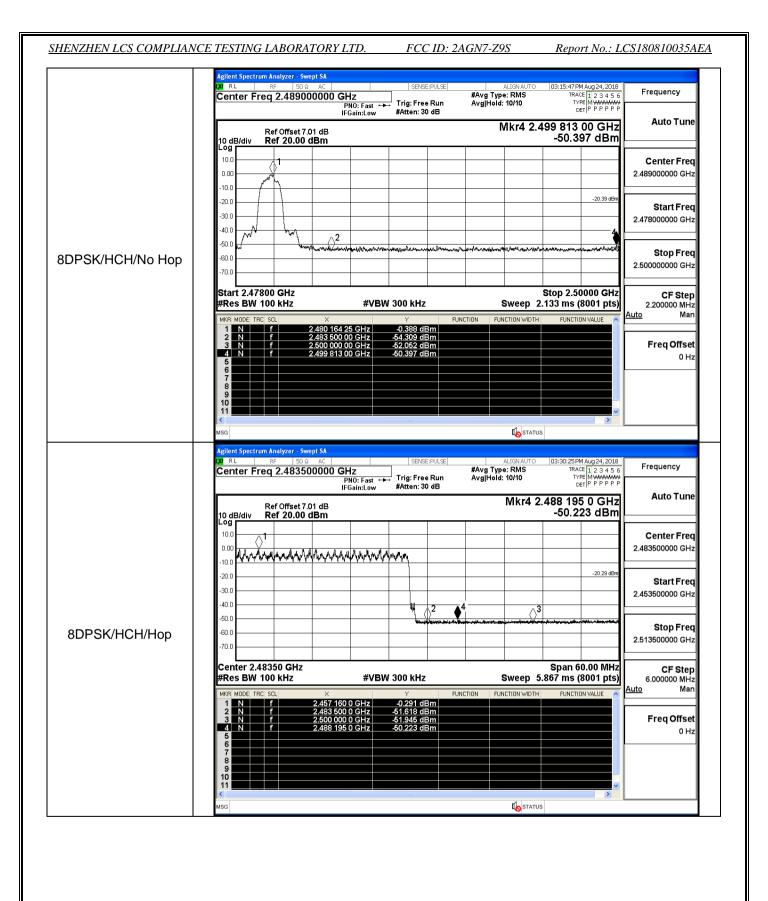








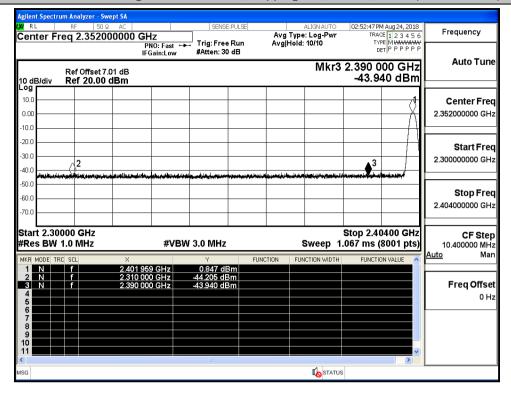




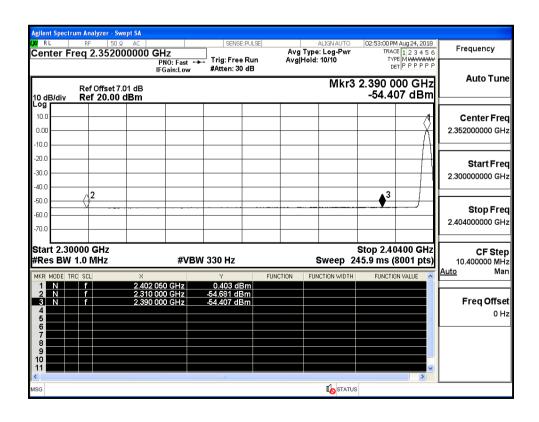
A.8 Restrict-band band-edge measurements

| Test Mode | Hopping | Freq. | Power [dBm] | Gain | Ground Factor | E [dBuV/m] | Detector | Limit [dBuV/m] | Verdict |
|--------------|---------|--------|----------------|------|------------------|---------------|----------|-------------------|---------|
| | Off | 2310.0 | -44.21 | 2.0 | 0 | 53.05 | PEAK | 74 | PASS |
| | Off | 2310.0 | -54.68 | 2.0 | 0 | 42.58 | AV | 54 | PASS |
| | Off | 2390.0 | -43.94 | 2.0 | 0 | 53.32 | PEAK | 74 | PASS |
| | Off | 2390.0 | -54.41 | 2.0 | 0 | 42.85 | AV | 54 | PASS |
| GFSK | Off | 2483.5 | -43.33 | 2.0 | 0 | 53.93 | PEAK | 74 | PASS |
| | Off | 2483.5 | -54.16 | 2.0 | 0 | 43.10 | AV | 54 | PASS |
| | Off | 2500.0 | -43.13 | 2.0 | 0 | 54.12 | PEAK | 74 | PASS |
| | Off | 2500.0 | -54.07 | 2.0 | 0 | 43.19 | AV | 54 | PASS |
| | Off | 2310.0 | -44.35 | 2.0 | 0 | 52.91 | PEAK | 74 | PASS |
| | Off | 2310.0 | -54.70 | 2.0 | 0 | 42.56 | AV | 54 | PASS |
| | Off | 2390.0 | -44.27 | 2.0 | 0 | 52.99 | PEAK | 74 | PASS |
| | Off | 2390.0 | -54.33 | 2.0 | 0 | 42.93 | AV | 54 | PASS |
| π/4DQPSK | Off | 2483.5 | -43.80 | 2.0 | 0 | 53.45 | PEAK | 74 | PASS |
| | Off | 2483.5 | -54.09 | 2.0 | 0 | 43.17 | AV | 54 | PASS |
| | Off | 2500.0 | -44.05 | 2.0 | 0 | 53.21 | PEAK | 74 | PASS |
| | Off | 2500.0 | -54.10 | 2.0 | 0 | 43.16 | AV | 54 | PASS |
| | Off | 2310.0 | -44.95 | 2.0 | 0 | 52.31 | PEAK | 74 | PASS |
| | Off | 2310.0 | -54.60 | 2.0 | 0 | 42.66 | AV | 54 | PASS |
| | Off | 2390.0 | -45.11 | 2.0 | 0 | 52.15 | PEAK | 74 | PASS |
| | Off | 2390.0 | -54.51 | 2.0 | 0 | 42.75 | AV | 54 | PASS |
| 8DPSK | Off | 2483.5 | -44.09 | 2.0 | 0 | 53.17 | PEAK | 74 | PASS |
| | Off | 2483.5 | -54.10 | 2.0 | 0 | 43.16 | AV | 54 | PASS |
| | Off | 2500.0 | -43.36 | 2.0 | 0 | 53.90 | PEAK | 74 | PASS |
| | Off | 2500.0 | -54.04 | 2.0 | 0 | 43.22 | AV | 54 | PASS |

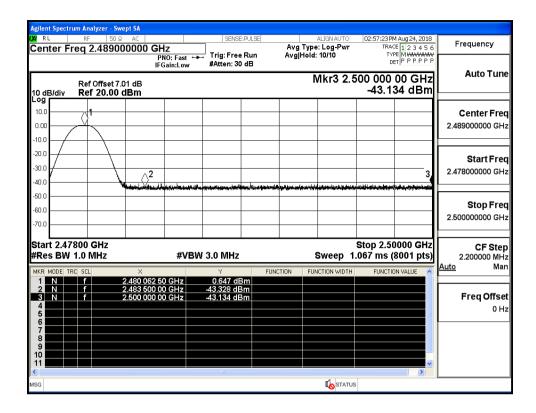
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (Low Channel)



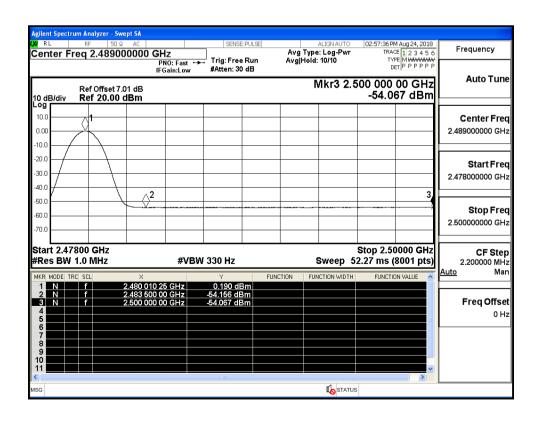
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (Low Channel)



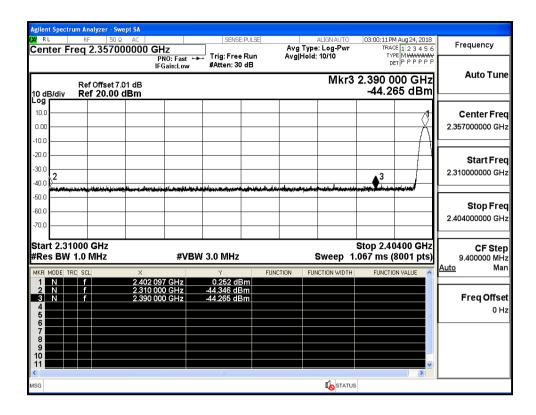
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK (High Channel)



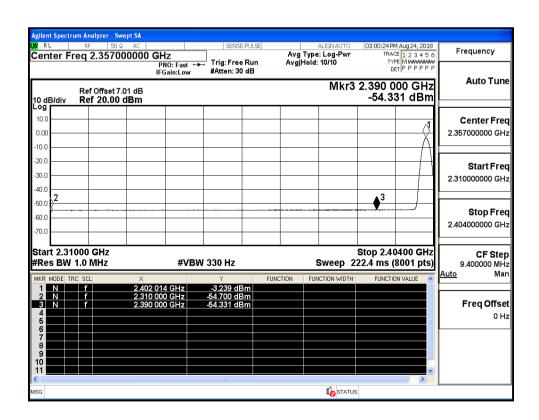
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average (High Channel)



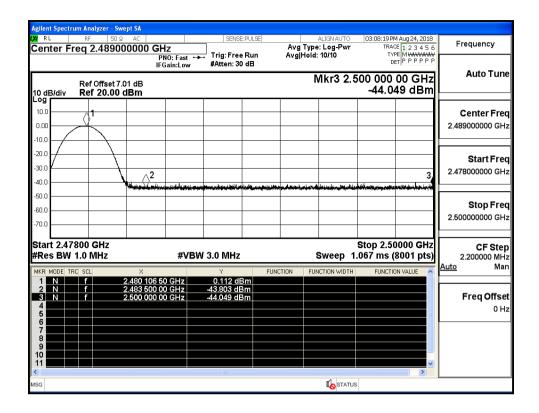
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (Low Channel)



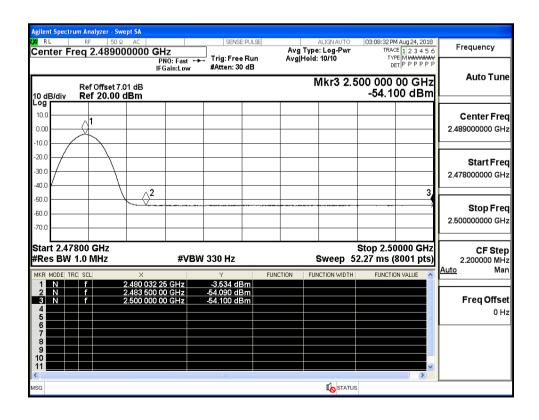
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (Low Channel)



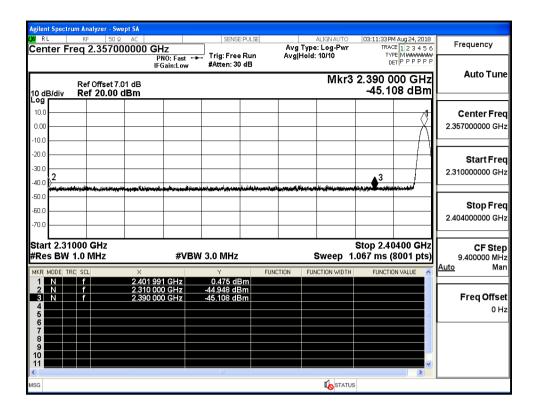
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



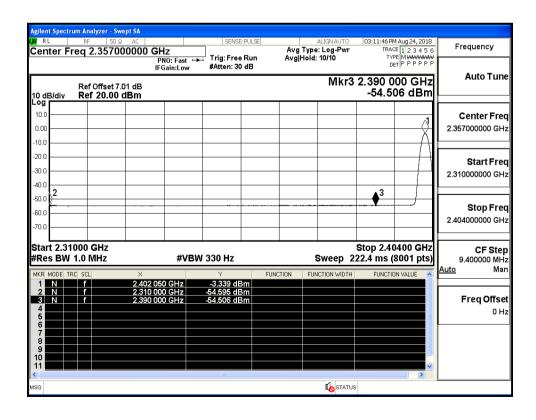
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



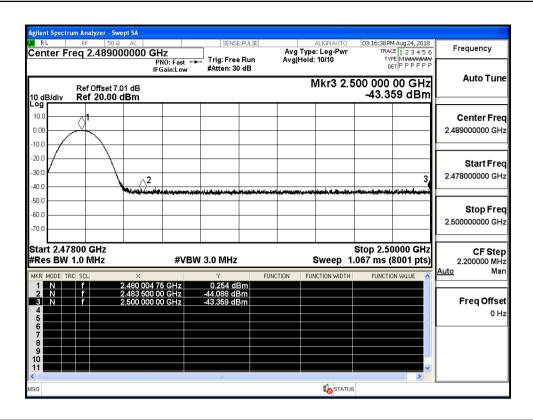
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (High Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (High Channel)

