

13. GFSK.50 kbps Condition 3

13.1. Appendix A3: DUTY CYCLE

13.1.1. Test Result

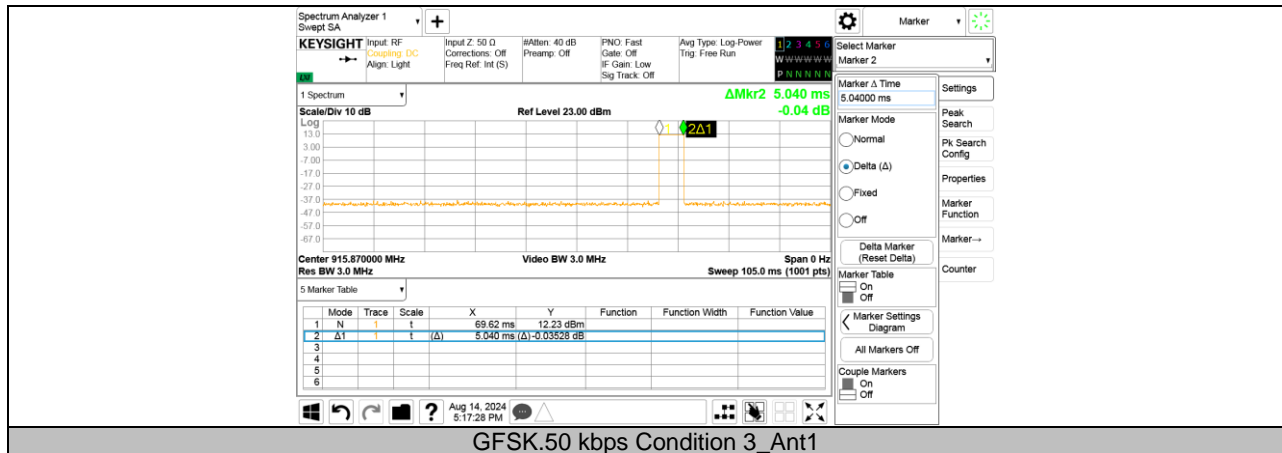
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
GFSK.50 kbps Condition 3	5.04	100	0.0504	5.04	-25.95

Note:

Duty Cycle Correction Factor=20log (x).

Where: x is Duty Cycle (Linear)

13.1.2. Test Graphs

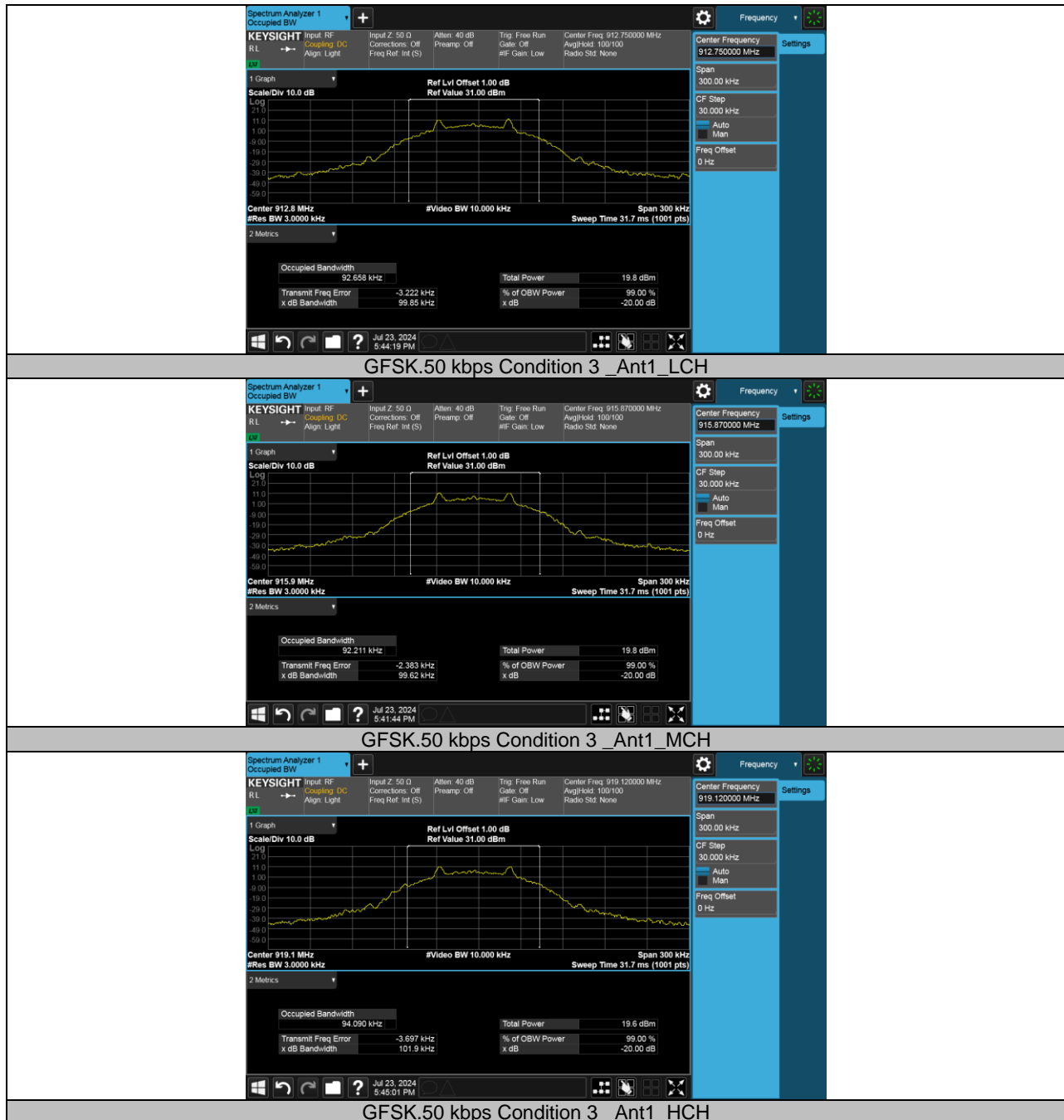


13.2. Appendix B3: 20DB BANDWIDTH & OCCUPIED CHANNEL BANDWIDTH

13.2.1. Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	OCB [MHz]	Verdict
GFSK.50 kbps Condition 3	Ant1	LCH	0.09985	0.092658	PASS
		MCH	0.09962	0.092211	PASS
		HCH	0.10190	0.094090	PASS

13.2.2. Test Graphs



13.3. Appendix C3: CONDUCTED OUTPUT POWER

13.3.1. Test Result

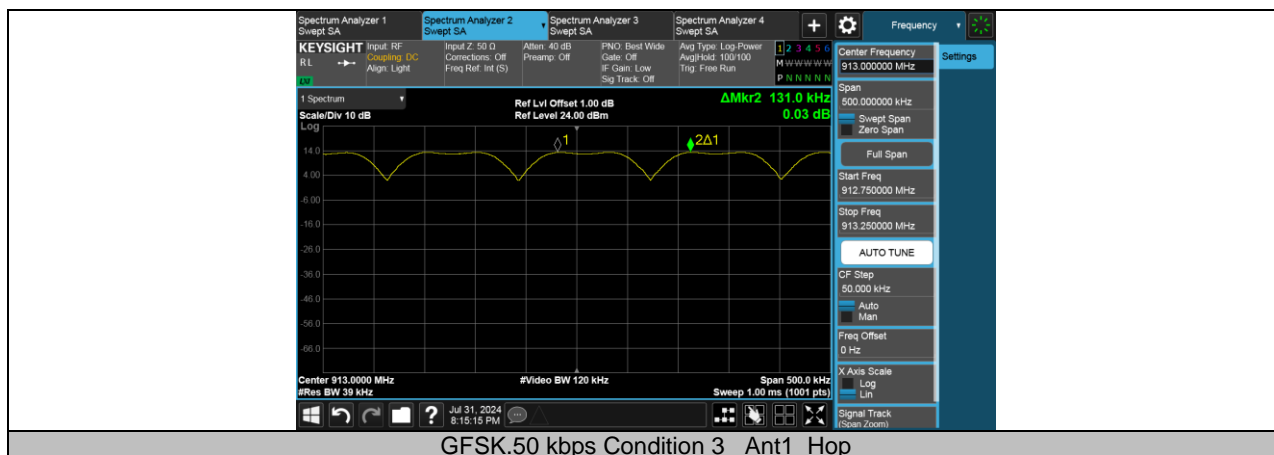
Test Mode	Antenna	Channel	PEAK Result[dBm]	Limit[dBm]	Verdict
GFSK.50 kbps Condition 3	Ant1	LCH	13.31	≤30	PASS
		MCH	13.28	≤30	PASS
		HCH	13.35	≤30	PASS

13.4. Appendix D3: CARRIER FREQUENCY SEPARATION

13.4.1. Test Result

Test Mode	Antenna	Channel	Result [MHz]	Limit[MHz]	Verdict
GFSK.50 kbps Condition 3	Ant1	Hop	0.1310	≥ 0.10190	PASS

13.4.2. Test Graphs

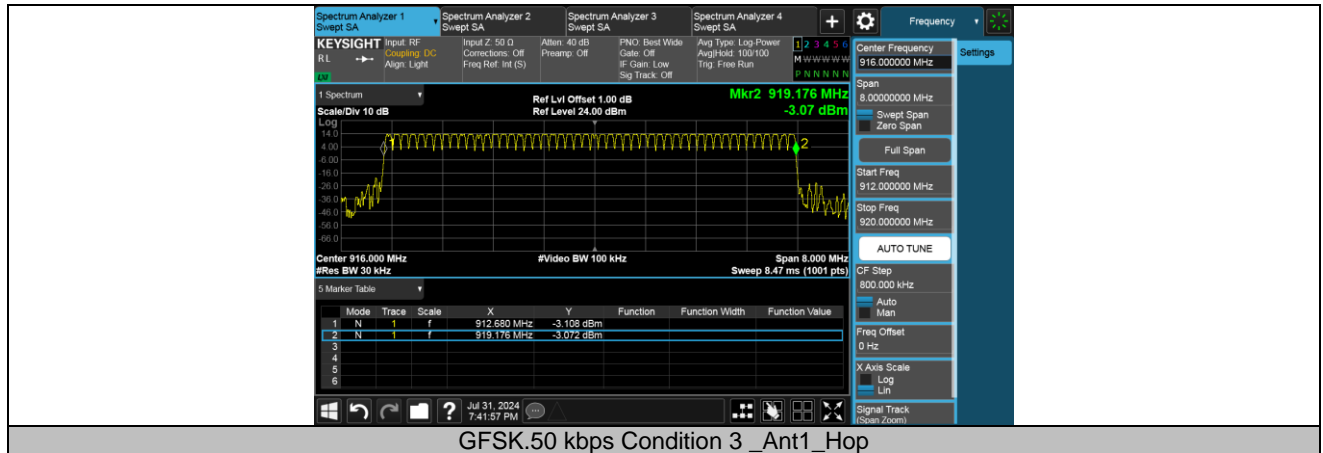


13.5. Appendix E3: NUMBER OF HOPPING FREQUENCIES

13.5.1. Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
GFSK.50 kbps Condition 3	Ant1	Hop	50	≥50	PASS

13.5.2. Test Graphs



13.6. Appendix F3: TIME OF OCCUPANCY (DWELL TIME)

13.6.1. Test Result

Test Mode	Antenna	Channel	Time of single slot 1 [ms]	The number of hop channel appear	Burst Width 1 [ms/hop/ch]
GFSK.50 kbps Condition 3	Ant1	Hop	5.58	28	156.24

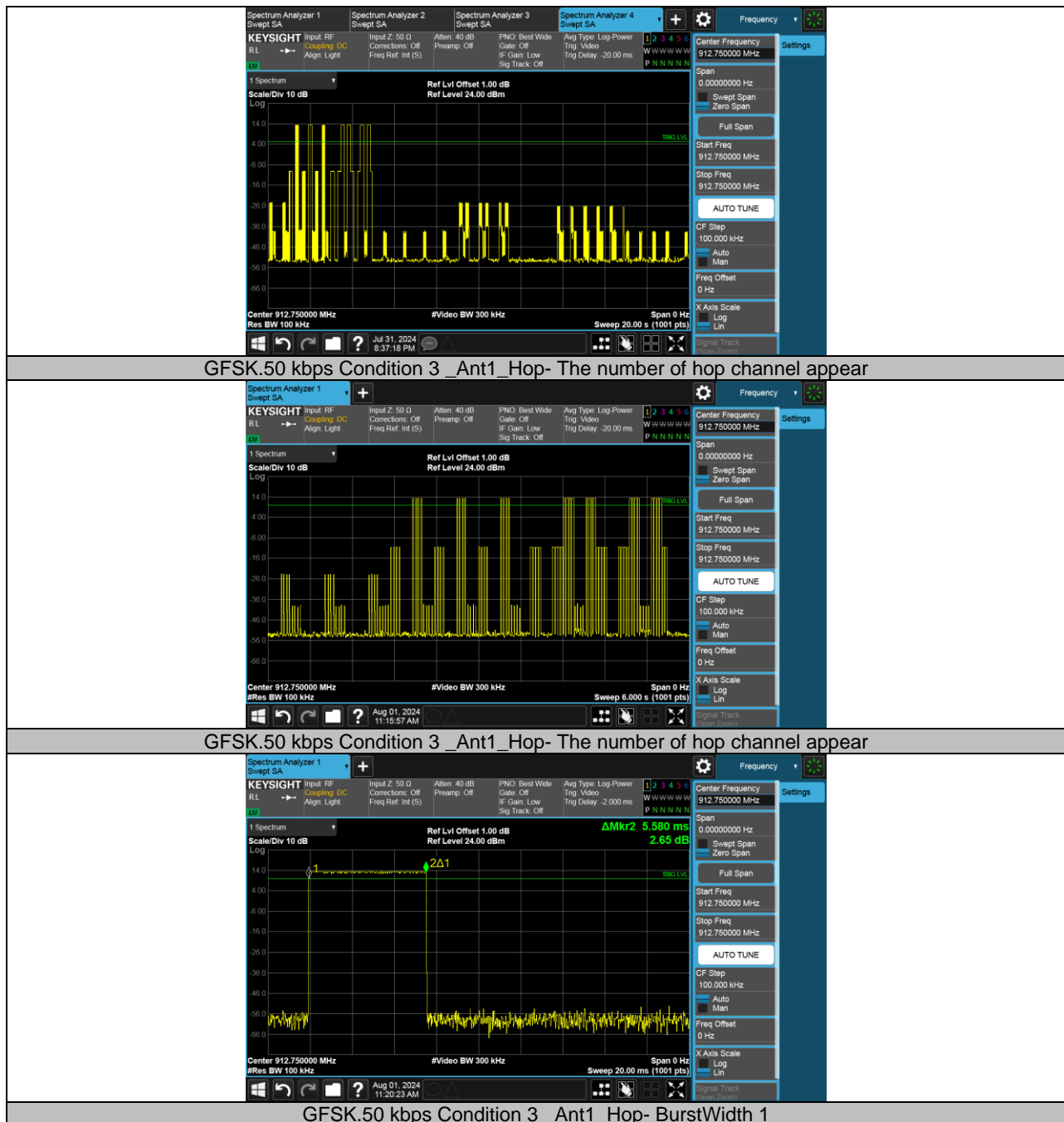
Test Mode	Antenna	Channel	Dwell Time [ms]	Limit [ms]	Results
GFSK.50 kbps Condition 3	Ant1	Hop	156.34	400	PASS

Note:

GFSK.50 kbps Condition 3: The dwell time = Time of single slot * The number of hop channel appear within 20s

BurstWidth =Time of single slot*number of single slot

13.6.2. Test Graphs



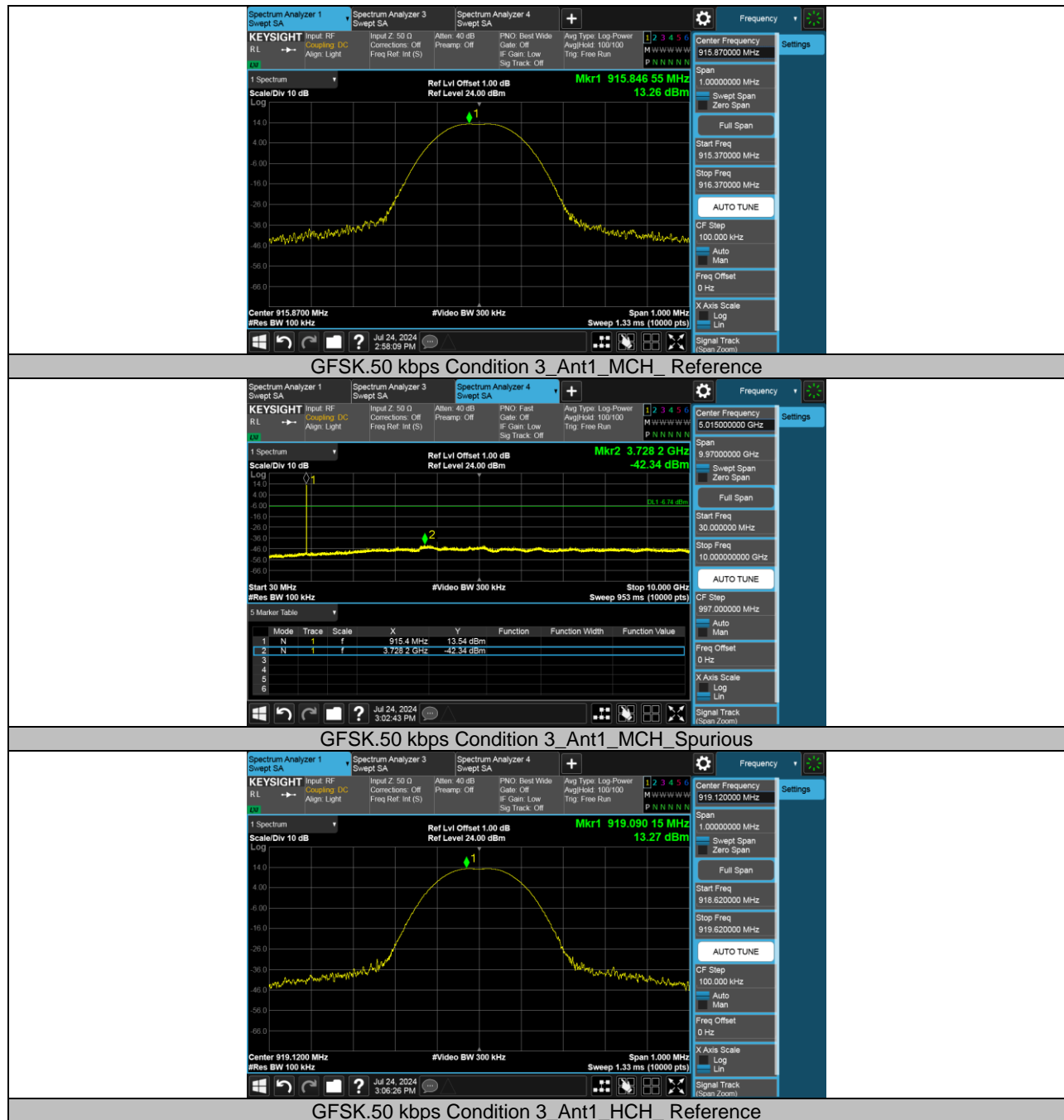
13.7. Appendix G3: CONDUCTED BAND EDGE AND SPURIOUS EMISSION

13.7.1. Test Result

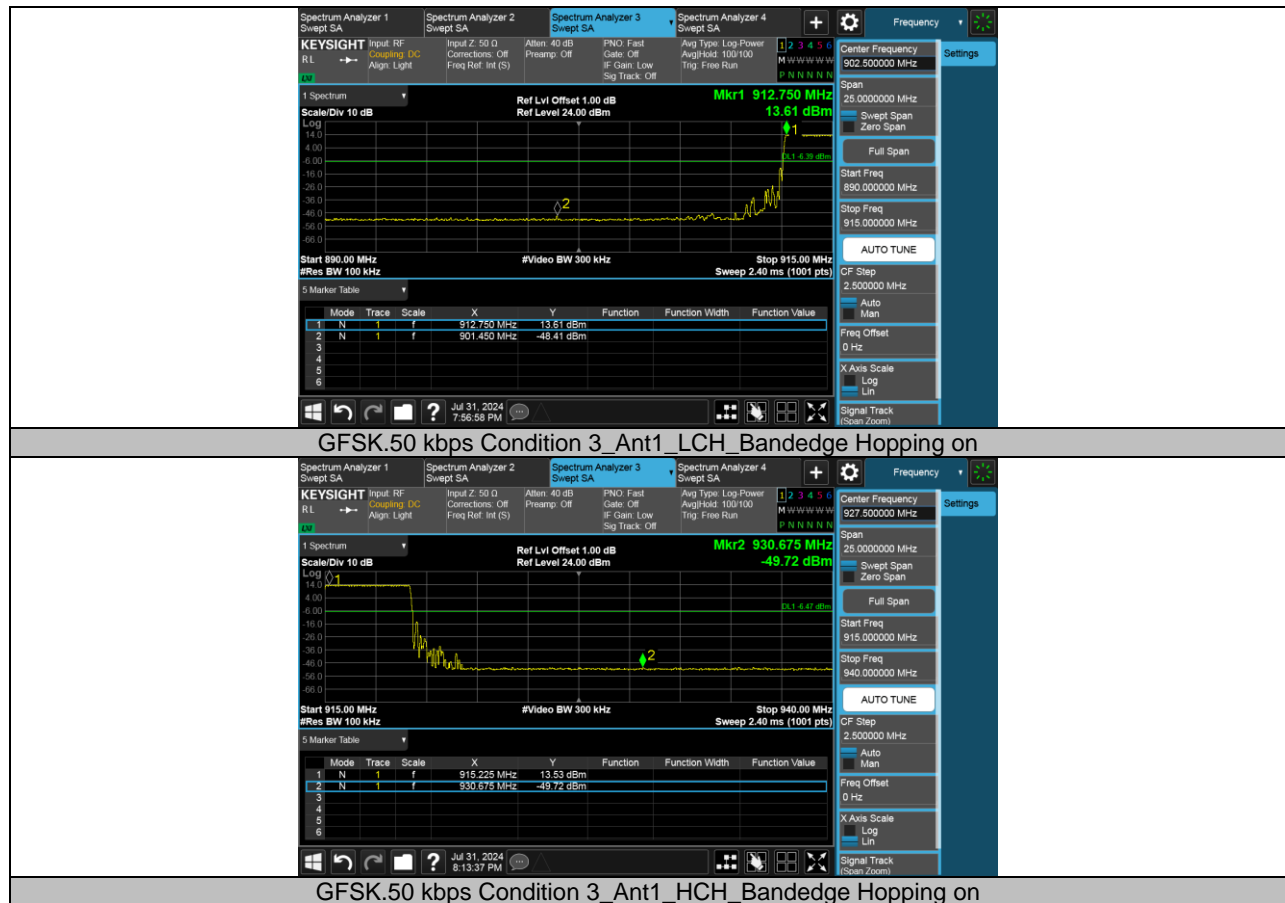
Test Mode	Antenna	ChName	Result [dBm]	Verdict
GFSK.50 kbps Condition 3	Ant1	LCH	See the below graphs	PASS
		MCH		PASS
		HCH		PASS
		Hop_ LCH		PASS
		Hop_ HCH		PASS

13.7.2. Test Graphs









14. GFSK.50 kbps Condition 4**14.1. Appendix A4: DUTY CYCLE****14.1.1. Test Result**

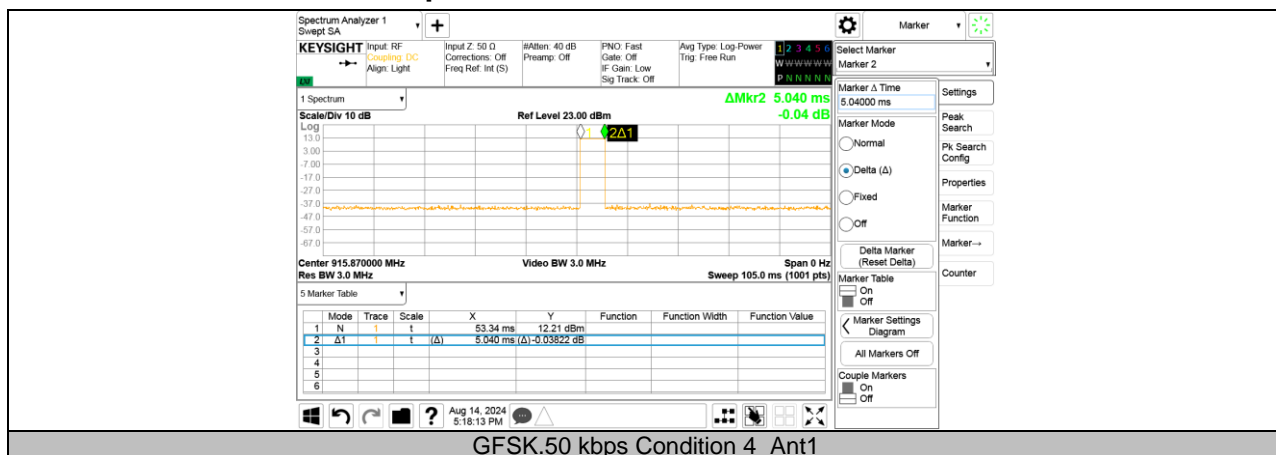
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
GFSK.50 kbps Condition 4	5.04	100	0.0504	5.04	-25.95

Note:

Duty Cycle Correction Factor=20log (1/x).

Where: x is Duty Cycle (Linear)

14.1.2. Test Graphs

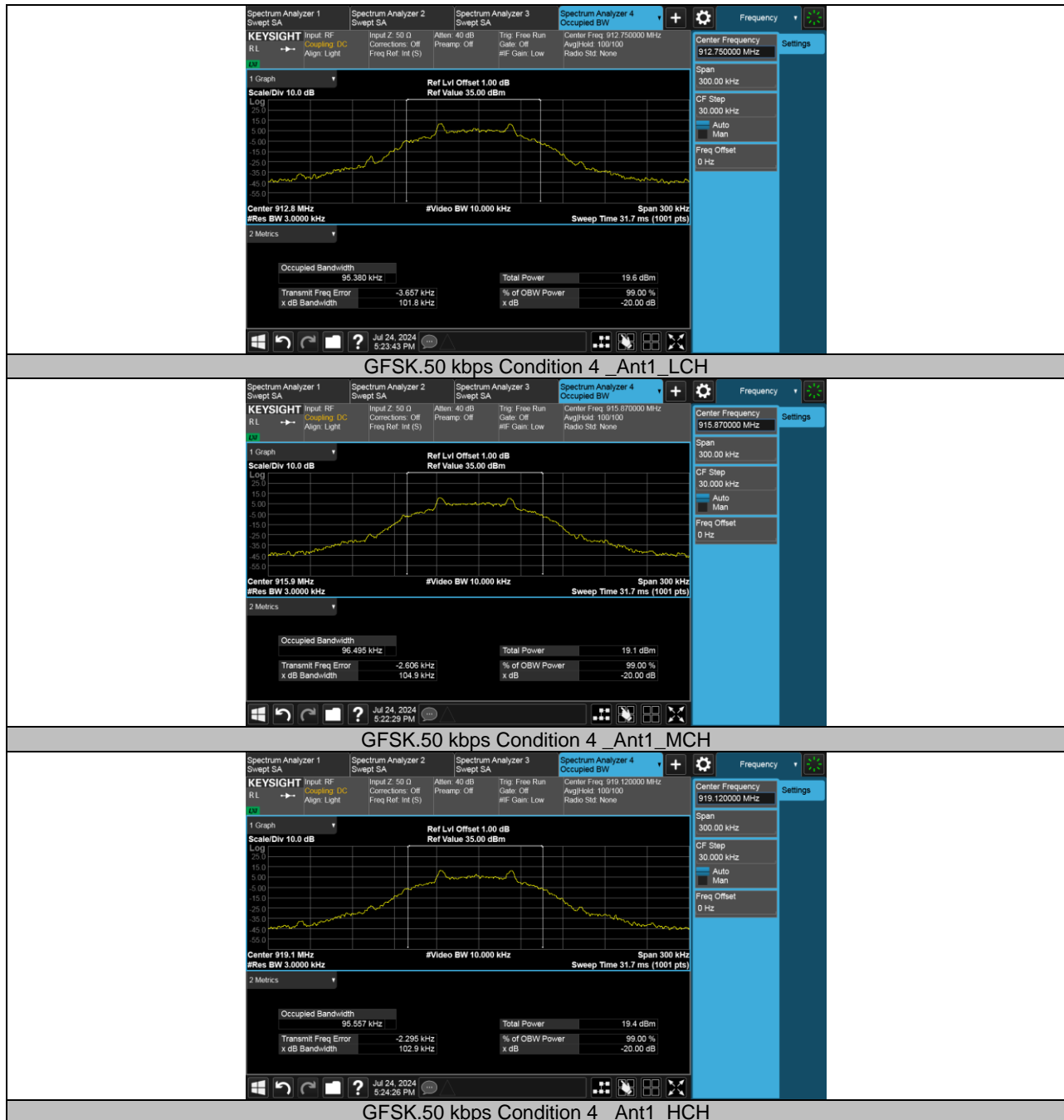


14.2. Appendix B4: 20DB BANDWIDTH & OCCUPIED CHANNEL BANDWIDTH

14.2.1. Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	OCB [MHz]	Verdict
GFSK.50 kbps Condition 4	Ant1	LCH	0.10180	0.095380	PASS
		MCH	0.10490	0.096495	PASS
		HCH	0.10290	0.095557	PASS

14.2.2. Test Graphs



14.3. Appendix C4: CONDUCTED OUTPUT POWER

14.3.1. Test Result

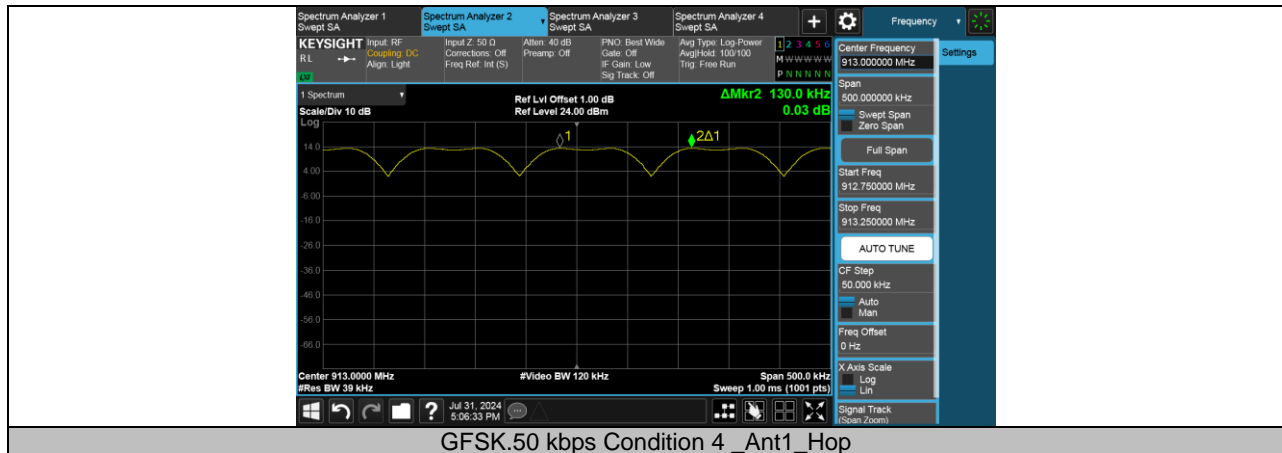
Test Mode	Antenna	Channel	PEAK Result[dBm]	Limit[dBm]	Verdict
GFSK.50 kbps Condition 4	Ant1	LCH	13.26	≤30	PASS
		MCH	13.22	≤30	PASS
		HCH	13.32	≤30	PASS

14.4. Appendix D4: CARRIER FREQUENCY SEPARATION

14.4.1. Test Result

Test Mode	Antenna	Channel	Result [MHz]	Limit[MHz]	Verdict
GFSK.50 kbps Condition 4	Ant1	Hop	0.1300	≥ 0.10490	PASS

14.4.2. Test Graphs

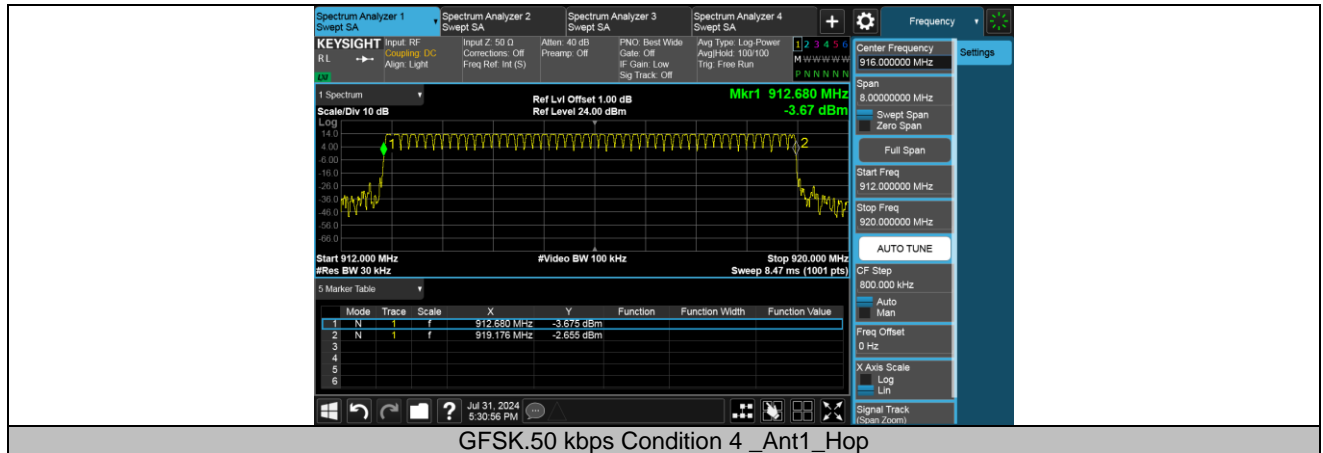


14.5. Appendix E4: NUMBER OF HOPPING FREQUENCIES

14.5.1. Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
GFSK.50 kbps Condition 4	Ant1	Hop	50	≥50	PASS

14.5.2. Test Graphs



14.6. Appendix F4: TIME OF OCCUPANCY (DWELL TIME)

14.6.1. Test Result

Test Mode	Antenna	Channel	Time of single slot 1 [ms]	The number of hop channel appear	Burst Width 1 [ms/hop/ch]
GFSK.50 kbps Condition 4	Ant1	Hop	5.58	28	156.24

Test Mode	Antenna	Channel	Dwell Time [ms]	Limit [ms]	Results
GFSK.50 kbps Condition 4	Ant1	Hop	156.34	400	PASS

Note:

GFSK.50 kbps Condition 4: The dwell time = Time of single slot * The number of hop channel appear within 20s

BurstWidth =Time of single slot*number of single slot

14.6.2. Test Graphs

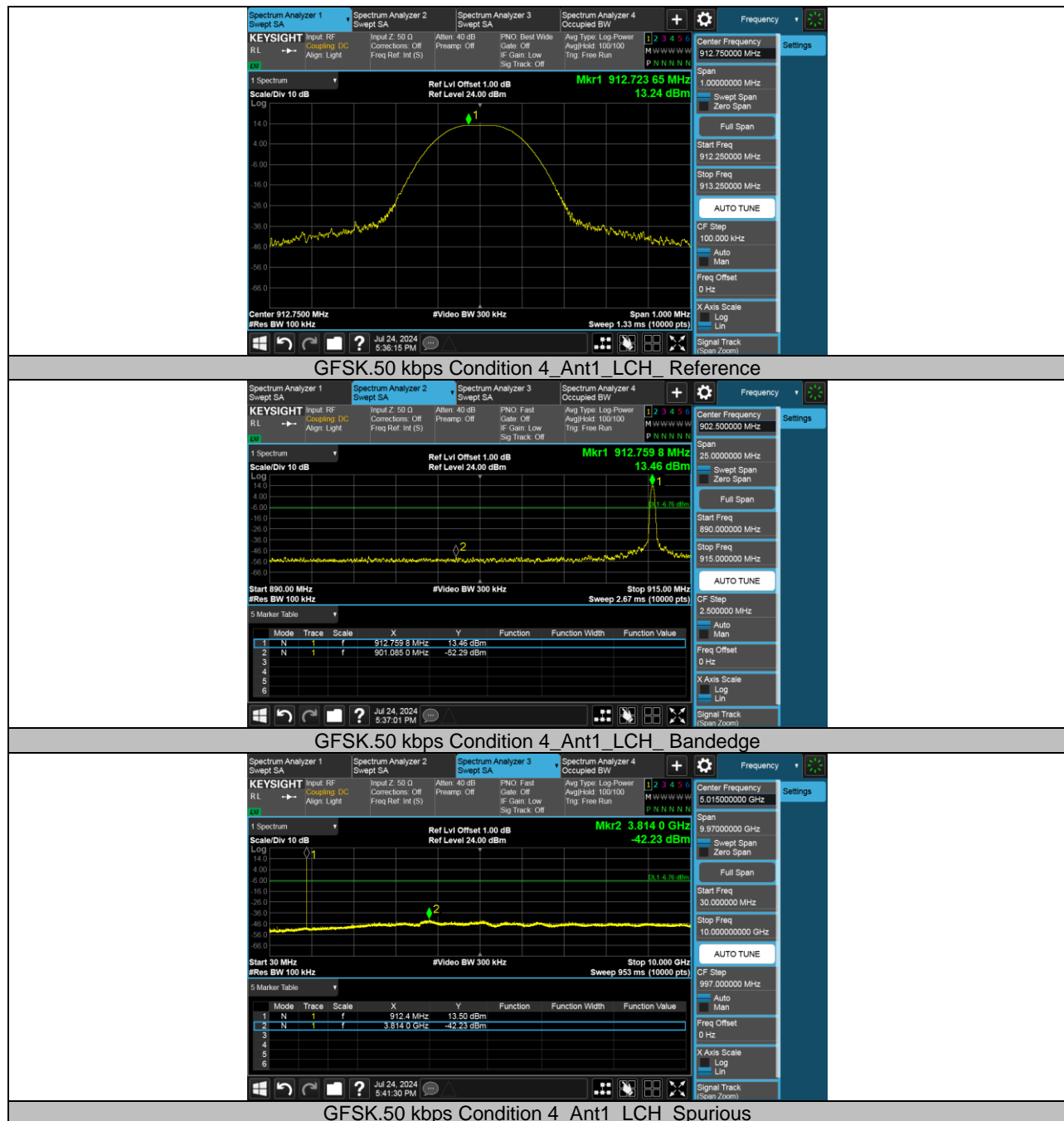


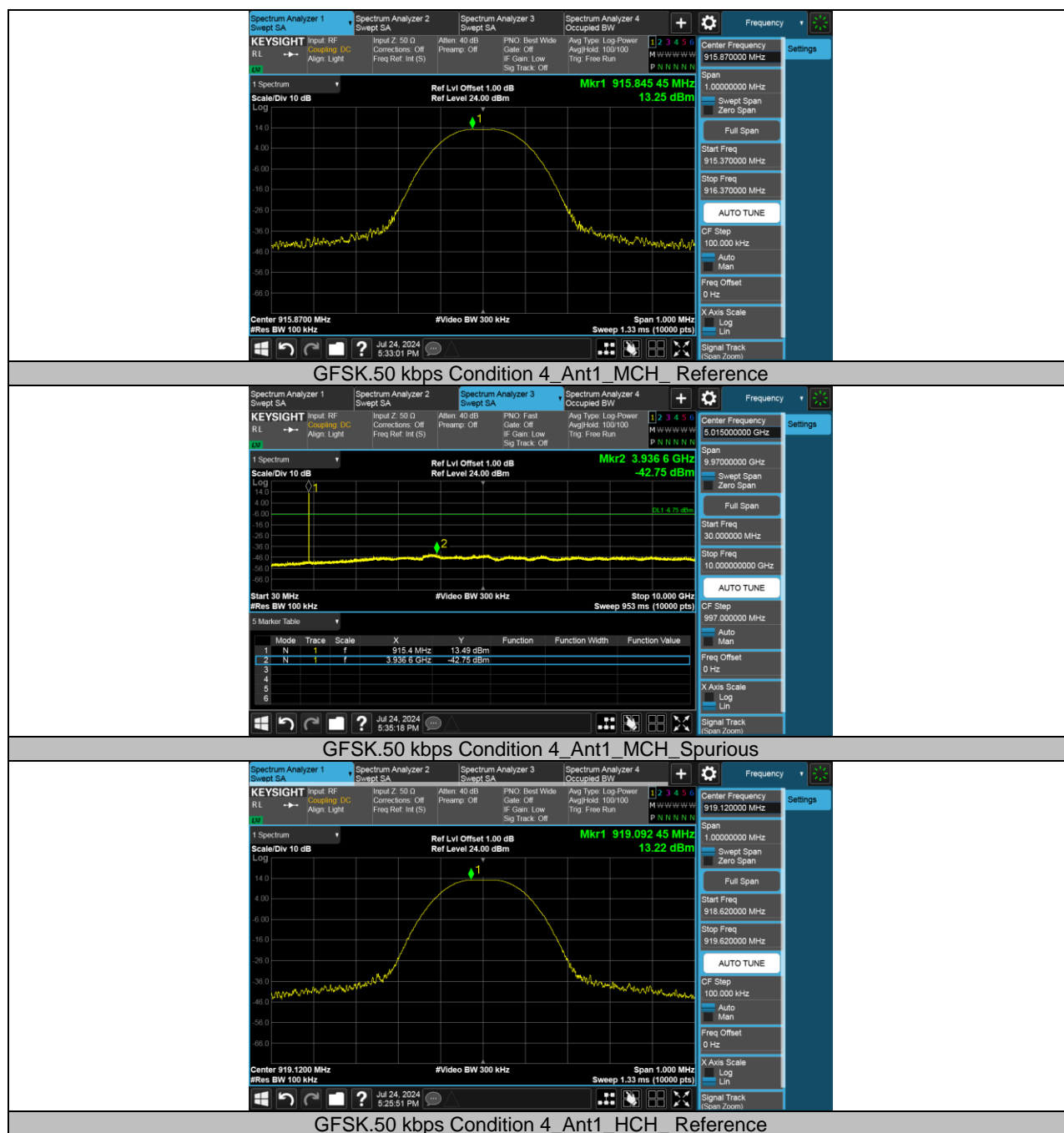
14.7. Appendix G4: CONDUCTED BAND EDGE AND SPURIOUS EMISSION

14.7.1. Test Result

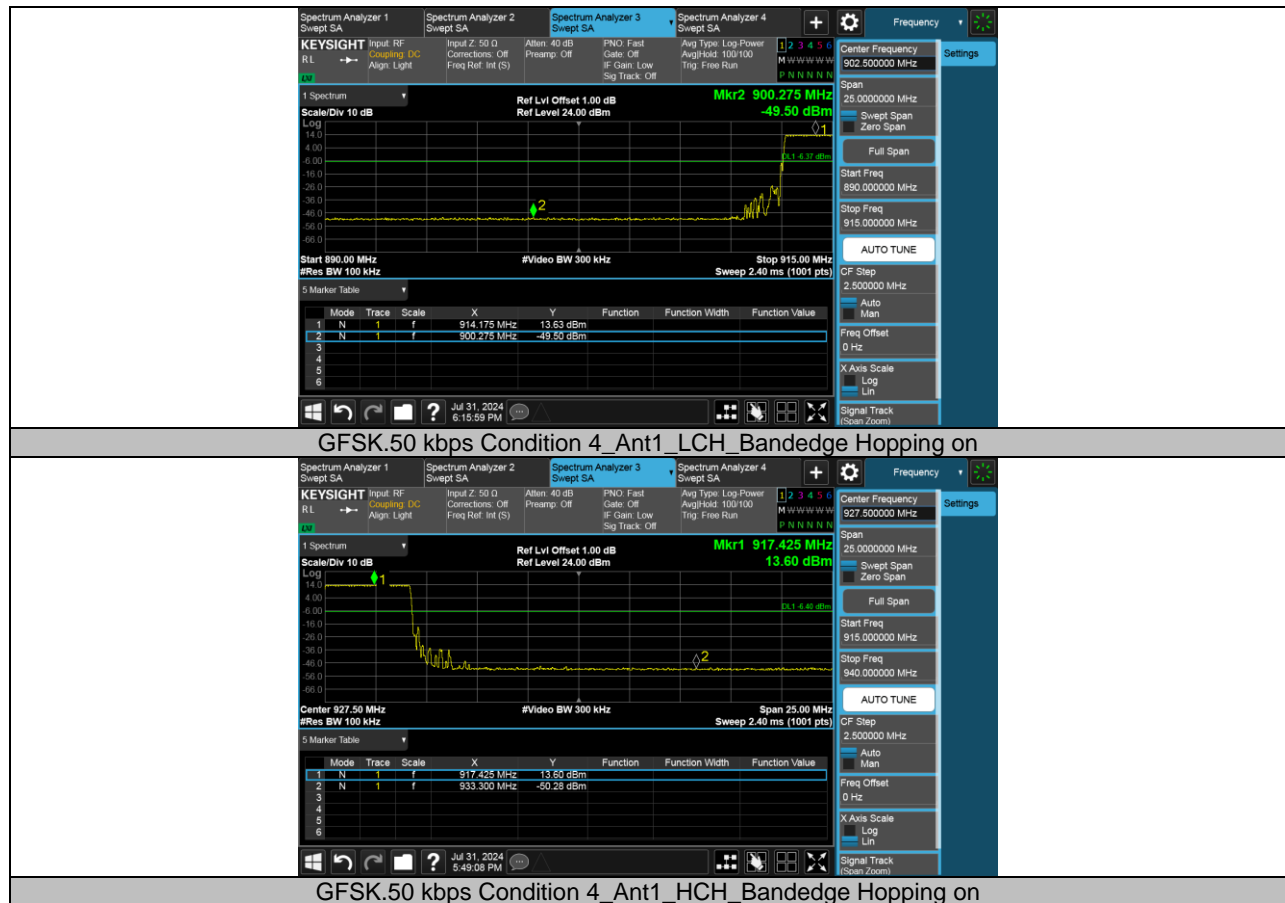
Test Mode	Antenna	ChName	Result [dBm]	Verdict
GFSK.50 kbps Condition 4	Ant1	LCH	See the below graphs	PASS
		MCH		PASS
		HCH		PASS
		Hop_ LCH		PASS
		Hop_ HCH		PASS

14.7.2. Test Graphs









15. GFSK.50 kbps Condition 5**15.1. Appendix A5: DUTY CYCLE****15.1.1. Test Result**

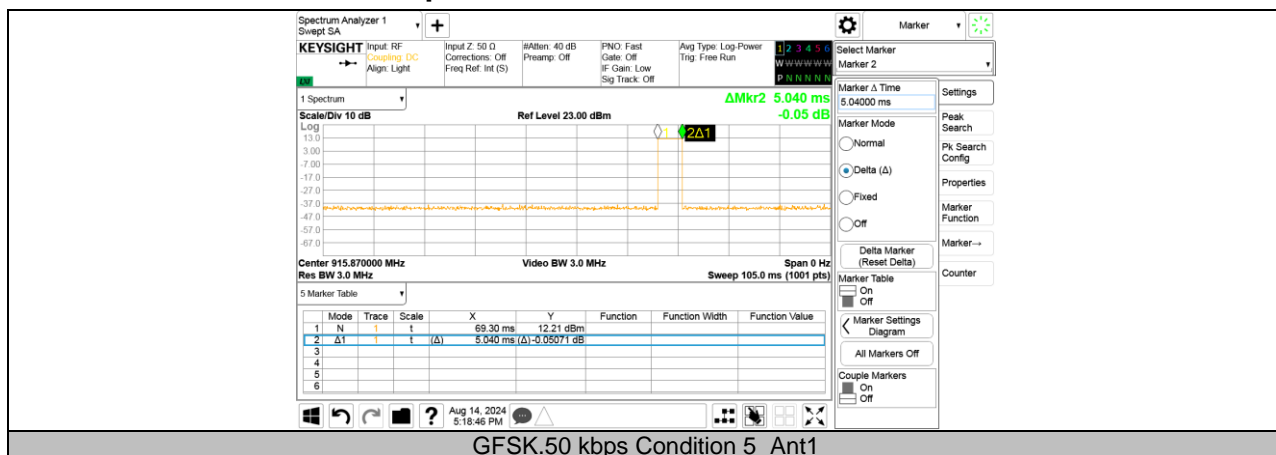
Test Mode	On Time (msec)	Period (msec)	Duty Cycle x (Linear)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
GFSK.50 kbps Condition 5	5.04	100	0.0504	5.04	-25.95

Note:

Duty Cycle Correction Factor=20log (x).

Where: x is Duty Cycle (Linear)

15.1.2. Test Graphs

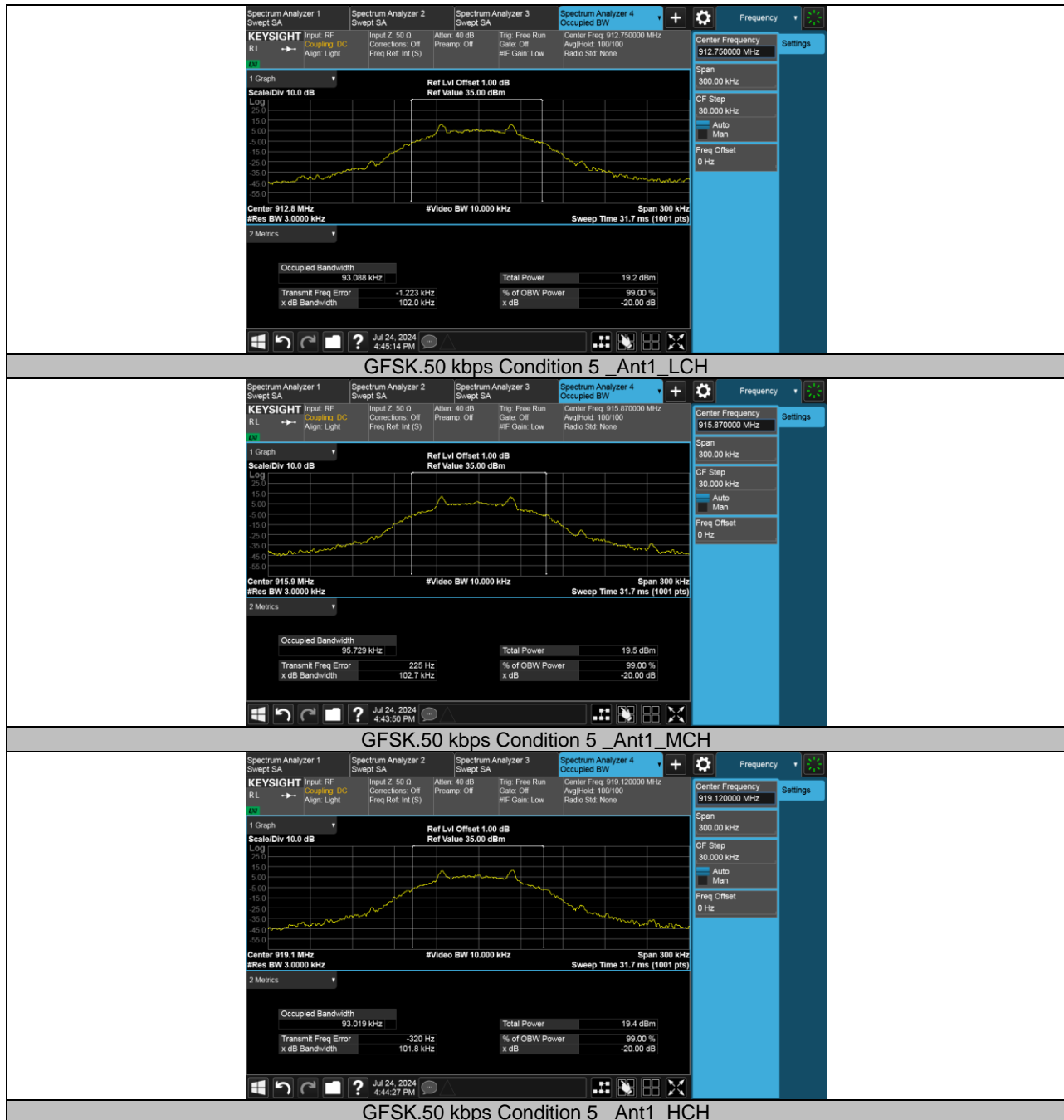


15.2. Appendix B5: 20DB BANDWIDTH & OCCUPIED CHANNEL BANDWIDTH

15.2.1. Test Result

Test Mode	Antenna	Channel	20db EBW[MHz]	OCB [MHz]	Verdict
GFSK.50 kbps Condition 5	Ant1	LCH	0.10200	0.093088	PASS
		MCH	0.10270	0.095729	PASS
		HCH	0.10180	0.093019	PASS

15.2.2. Test Graphs



15.3. Appendix C5: CONDUCTED OUTPUT POWER

15.3.1. Test Result

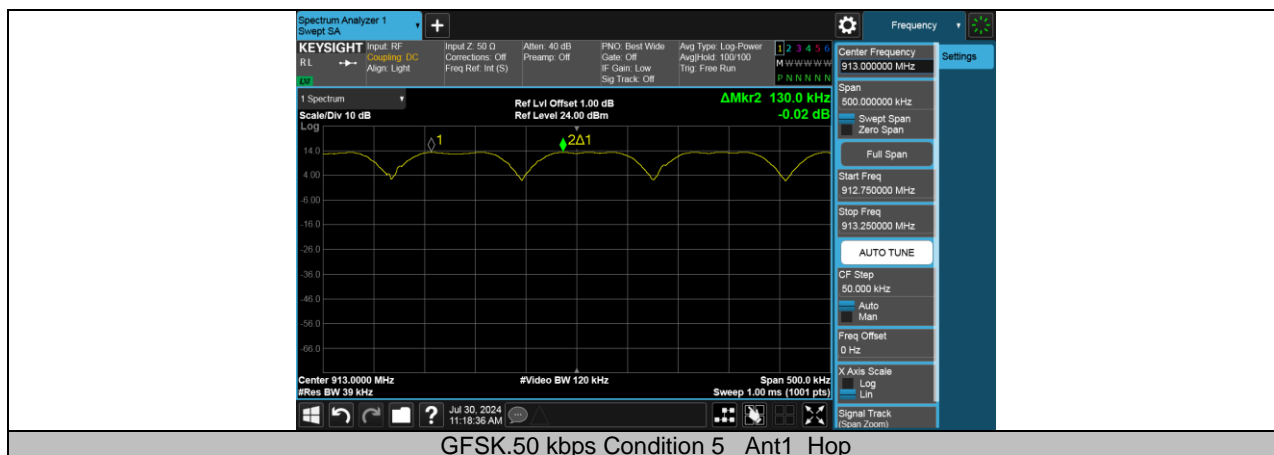
Test Mode	Antenna	Channel	PEAK Result[dBm]	Limit[dBm]	Verdict
GFSK.50 kbps Condition 5	Ant1	LCH	13.22	≤30	PASS
		MCH	13.20	≤30	PASS
		HCH	13.27	≤30	PASS

15.4. Appendix D5: CARRIER FREQUENCY SEPARATION

15.4.1. Test Result

Test Mode	Antenna	Channel	Result [MHz]	Limit[MHz]	Verdict
GFSK.50 kbps Condition 5	Ant1	Hop	0.1300	≥ 0.10270	PASS

15.4.2. Test Graphs

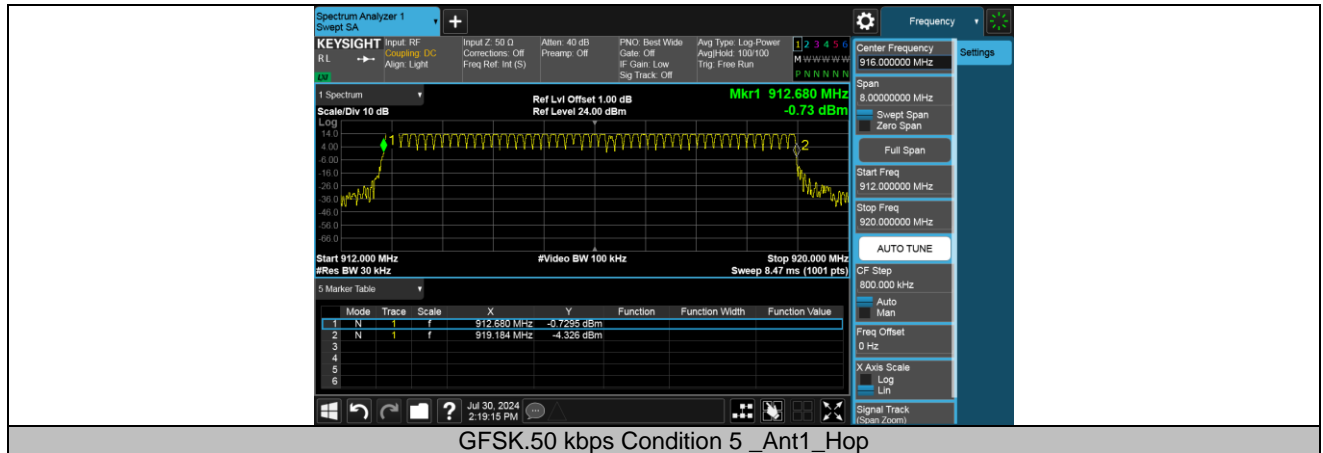


15.5. Appendix E5: NUMBER OF HOPPING FREQUENCIES

15.5.1. Test Result

Test Mode	Antenna	Channel	Result[Num]	Limit[Num]	Verdict
GFSK.50 kbps Condition 5	Ant1	Hop	50	≥50	PASS

15.5.2. Test Graphs



15.6. Appendix F5: TIME OF OCCUPANCY (DWELL TIME)

15.6.1. Test Result

Test Mode	Antenna	Channel	Time of single slot 1 [ms]	The number of hop channel appear	Burst Width 1 [ms/hop/ch]
GFSK.50 kbps Condition 5	Ant1	Hop	5.58	28	156.24

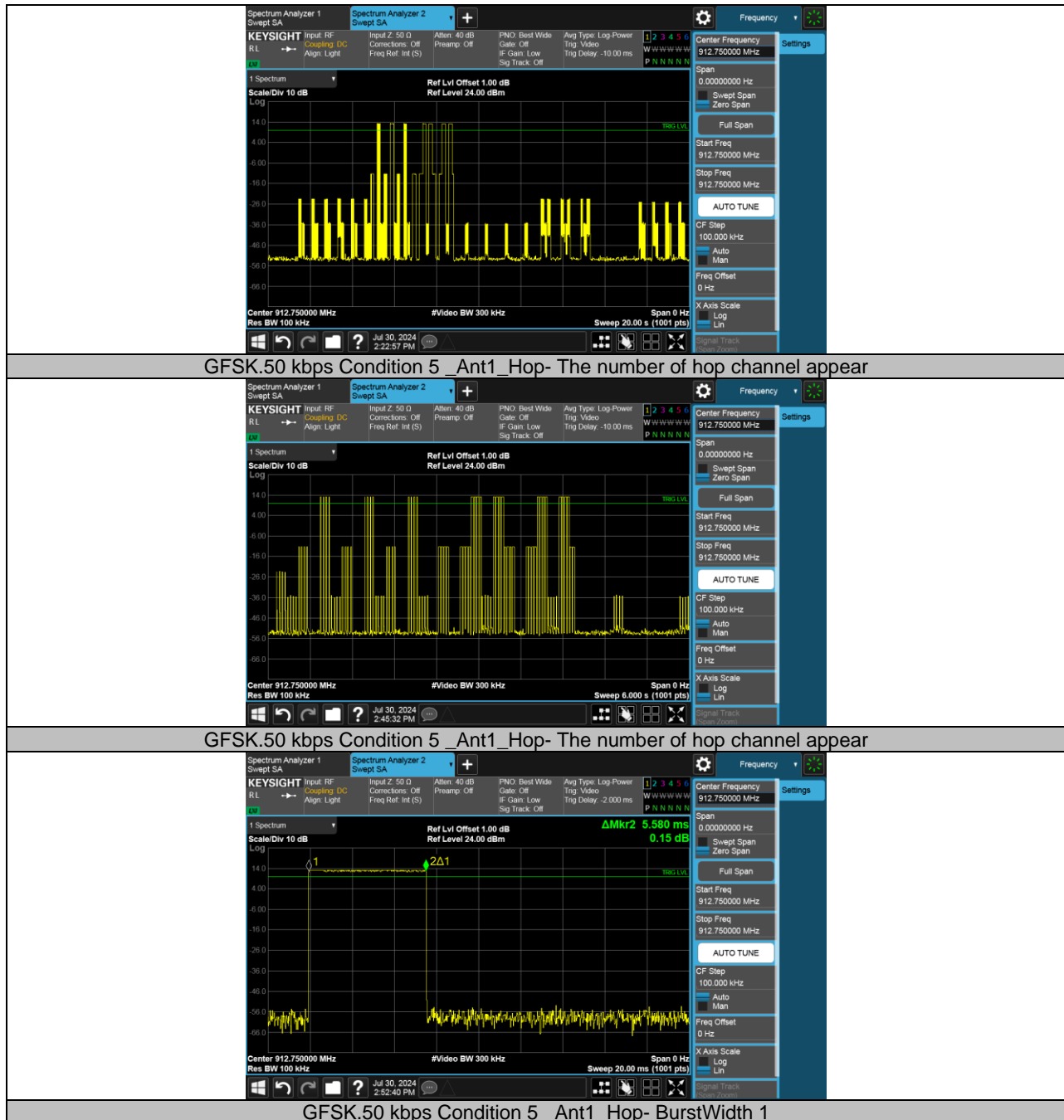
Test Mode	Antenna	Channel	Dwell Time [ms]	Limit [ms]	Results
GFSK.50 kbps Condition 5	Ant1	Hop	156.34	400	PASS

Note:

GFSK.50 kbps Condition 5: The dwell time = Time of single slot * The number of hop channel appear within 20s

BurstWidth = Time of single slot * number of single slot

15.6.2. Test Graphs



15.7. Appendix G5: CONDUCTED BAND EDGE AND SPURIOUS EMISSION

15.7.1. Test Result

Test Mode	Antenna	ChName	Result [dBm]	Verdict
GFSK.50 kbps Condition 5	Ant1	LCH	See the below graphs	PASS
		MCH		PASS
		HCH		PASS
		Hop_ LCH		PASS
		Hop_ HCH		PASS

15.7.2. Test Graphs





