

Fig. 59 Radiated Spurious Emission (All Channels, 18 GHz ~26.5 GHz)



A.5 20dB Bandwidth

Measurement Limit:

Standard	Limit (kHz)
FCC 47 CFR Part 15.247 (a) &	
RSS-247 Section 5.1	/

Measurement Result:

Mode	Channel	20dB Bandwidth (kHz)		conclusion
	0	Fig.60	1032.75	
GFSK	39	Fig.61	1031.25	/
	78	Fig.62	1029.00	
	0	Fig.63	1209.00	
π /4 DQPSK	39	Fig.64	1203.75	/
	78	Fig.65	1184.25	
8DPSK	0	Fig.66	1243.50	
	39	Fig.67	1245.00	/
	78	Fig.68	1245.00	

See below for test graphs.

Conclusion: PASS

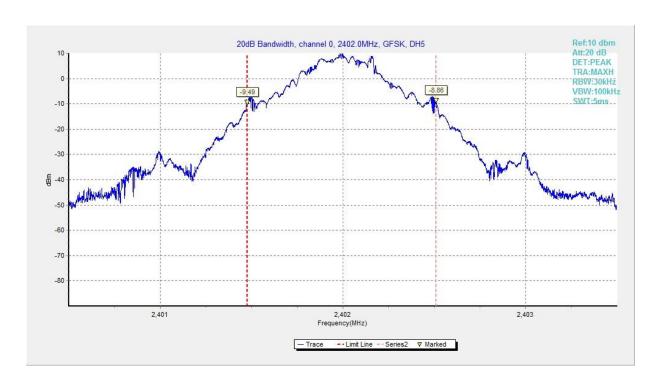


Fig. 60 20dB Bandwidth (GFSK, Ch 0)



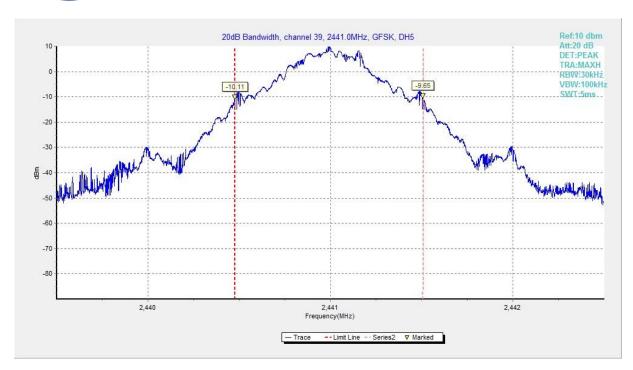


Fig. 61 20dB Bandwidth (GFSK, Ch 39)

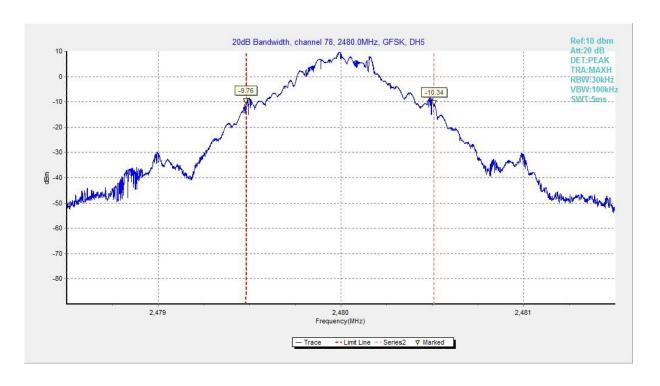


Fig. 62 20dB Bandwidth (GFSK, Ch 78)



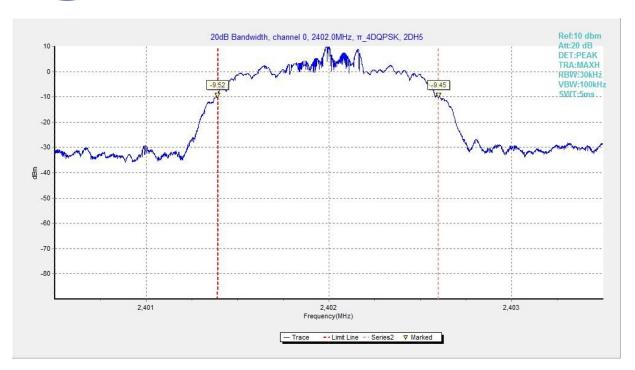


Fig. 63 20dB Bandwidth (π /4 DQPSK, Ch 0)

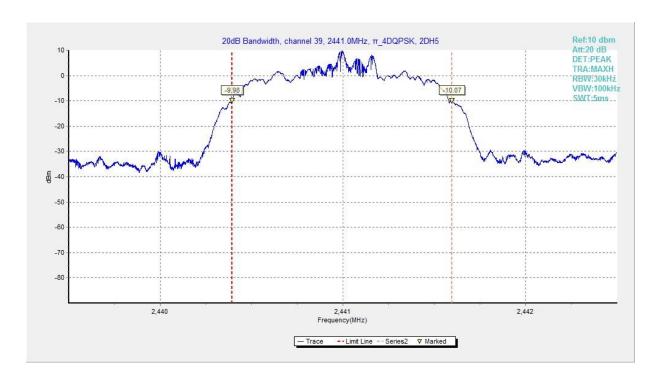


Fig. 64 20dB Bandwidth (π/4 DQPSK, Ch 39)



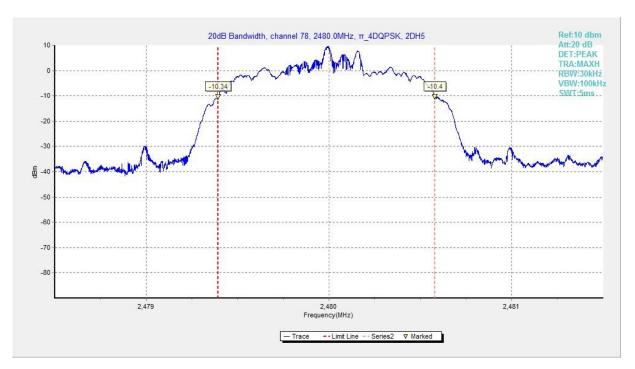


Fig. 65 20dB Bandwidth (π /4 DQPSK, Ch 78)

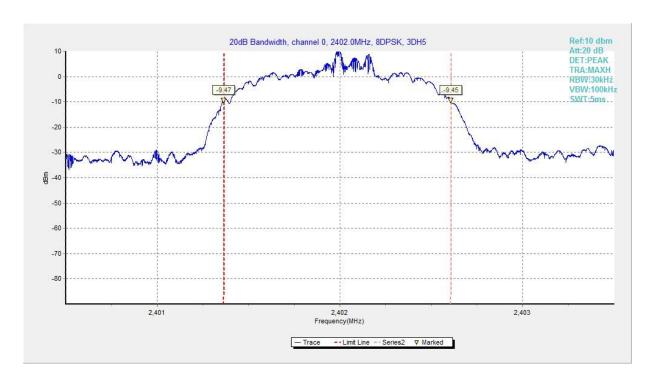


Fig. 66 20dB Bandwidth (8DPSK, Ch 0)



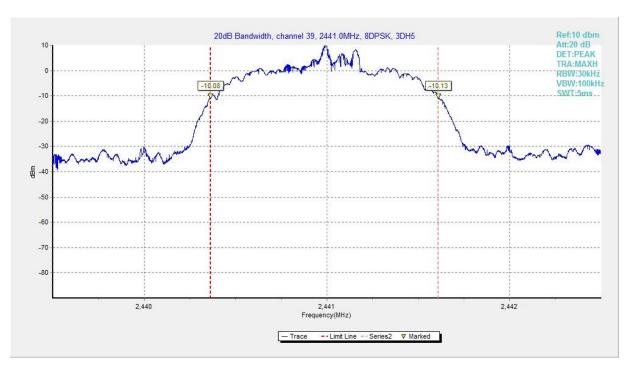


Fig. 67 20dB Bandwidth (8DPSK, Ch 39)

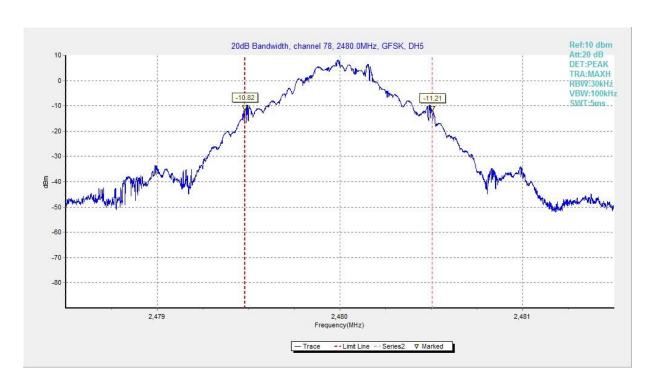


Fig. 68 20dB Bandwidth (8DPSK, Ch 78)



A.6 Time of Occupancy (Dwell Time)

Measurement Limit:

Standard	Limit	
FCC 47 CFR Part 15.247(a) &	< 400 ms	
RSS-247 Section 5.1	< 400 IIIS	

Measurement Results:

Mode	Channel	Packet	Dwell Time(ms)		Conclusion	
GFSK 39	20	DHE	Fig.69	212 11	Р	
	39	DH5	Fig.70	313.11	P	
π/4	π/4	2-DH5	Fig.71	272.22	В	
DQPSK 39	2-มิที่จ	Fig.72	273.33 P	P		
8DPSK	20	3 DHE	Fig.73	251.20	Р	
	39	3-DH5	Fig.74	251.30		

See below for test graphs.

Conclusion: Pass



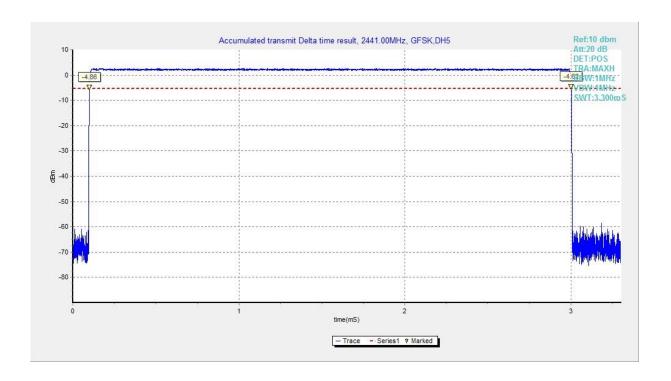


Fig. 69 Time of Occupancy(Dwell Time) (GFSK, Ch39)

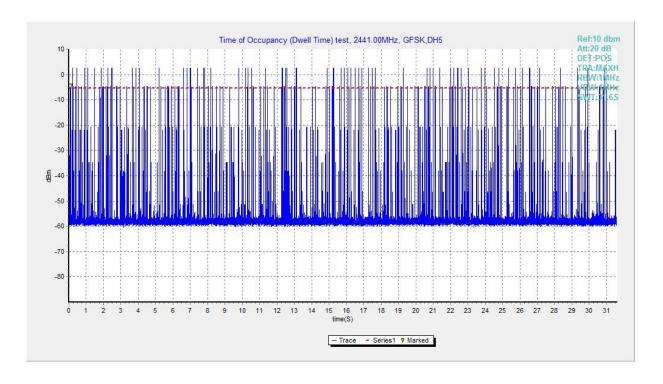


Fig. 70 Time of Occupancy(Dwell Time) (GFSK, Ch39)



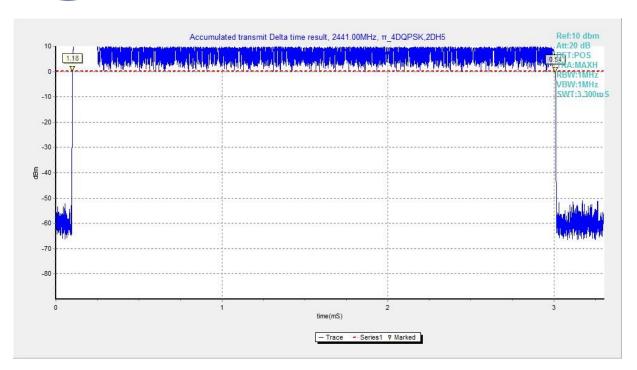


Fig. 71 Time of Occupancy(Dwell Time) (π /4 DQPSK, Ch39)

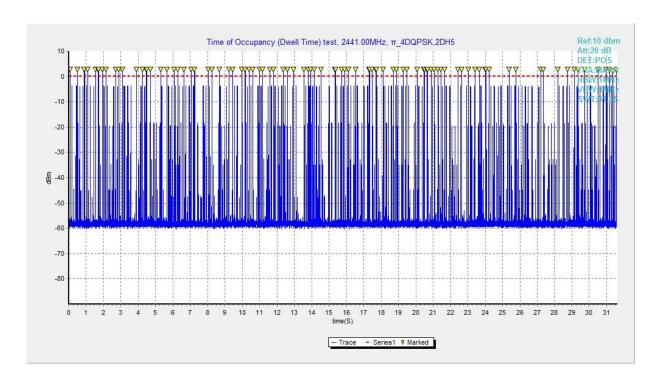


Fig. 72 Time of Occupancy(Dwell Time) (π/4 DQPSK, Ch39)



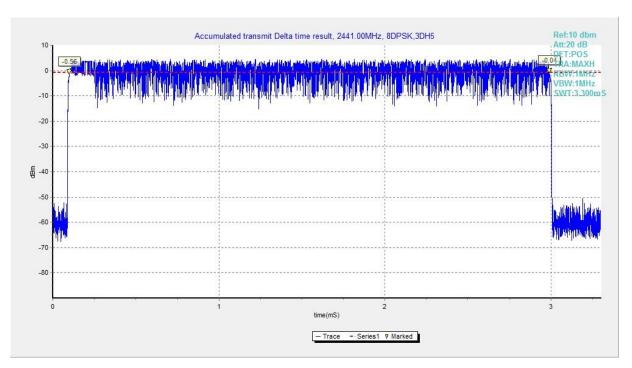


Fig. 73 Time of Occupancy(Dwell Time) (8DPSK, Ch39)

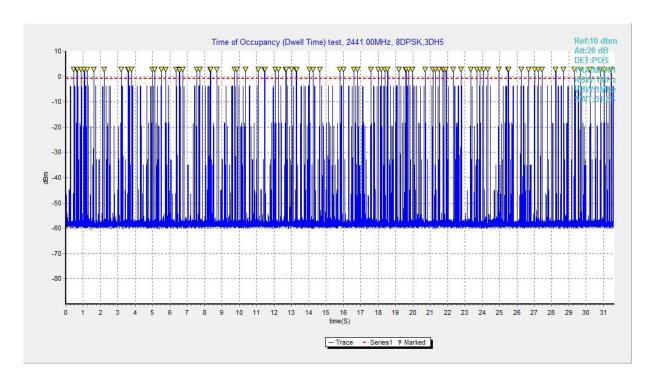


Fig. 74 Time of Occupancy(Dwell Time) (8DPSK, Ch39)



A.7 Number of Hopping Channels

Measurement Limit:

Standard	Limit	
FCC 47 CFR Part 15.247(a) &	At least 15 non averlanning channels	
RSS-247 Section 5.1	At least 15 non-overlapping channels	

Measurement Results:

Mode	Packet	Number of hopping		Test result	Conclusion
GFSK	DH5	Fig.75	Fig.76	79	Р
π/4 DQPSK	2-DH5	Fig.77	Fig.78	79	Р
8DPSK	3-DH5	Fig.79	Fig.80	79	Р

See below for test graphs.

Conclusion: Pass



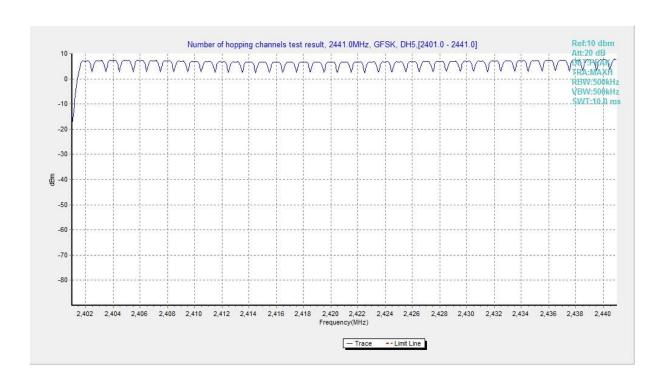


Fig. 75 Hopping channel ch0~39 (GFSK, Ch39)

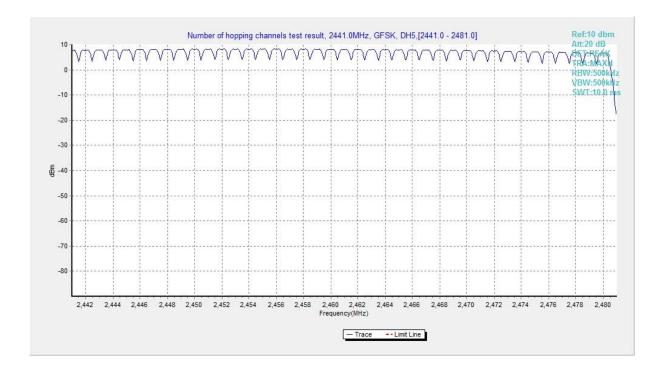


Fig. 76 Hopping channel ch39~78 (GFSK, Ch39)



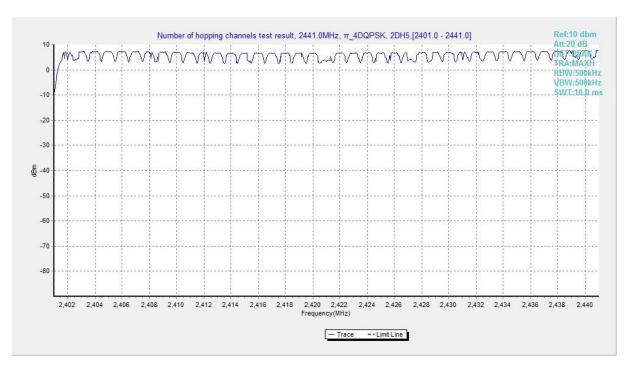


Fig. 77 Hopping channel ch0~39 (π /4 DQPSK, Ch39)

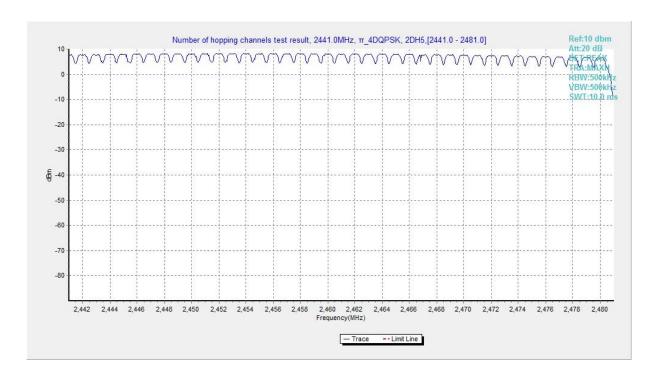


Fig. 78 Hopping channel ch39~78 (π /4 DQPSK, Ch39)



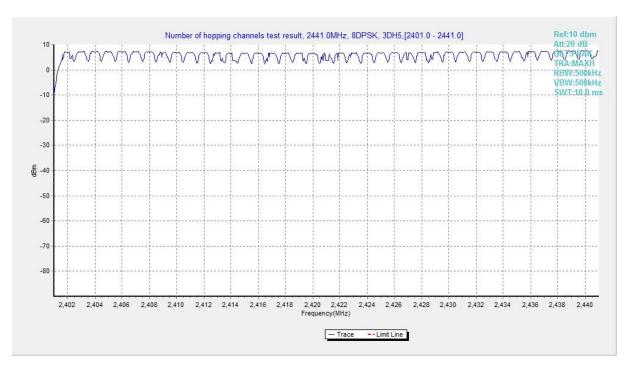


Fig. 79 Hopping channel ch0~39 (8DPSK, Ch39)

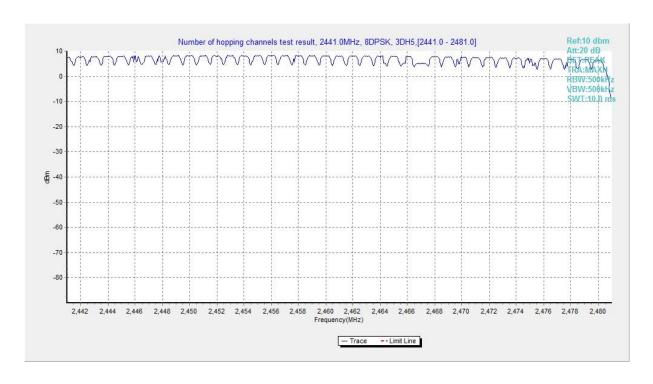


Fig. 80 Hopping channel ch39~78 (8DPSK, Ch39)



A.8 Carrier Frequency Separation

Measurement Limit:

Standard	Limit
FCC 47 CFR Part 15.247(a) & RSS-247 Section 5.1	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 (kHz)	Conclusion
GFSK	39	DH5	Fig.81	1010.50	Р
π /4 DQPSK	39	2-DH5	Fig.82	1010.25	Р
8DPSK	39	3-DH5	Fig.83	1190.50	Р

See below for test graphs.

Conclusion: Pass

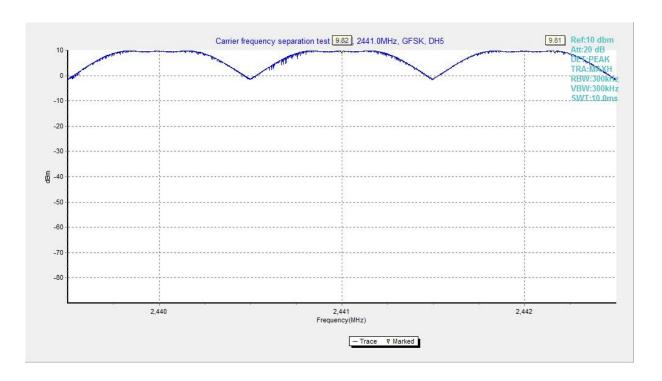


Fig. 81 Carrier Frequency Separation (GFSK, Ch39)



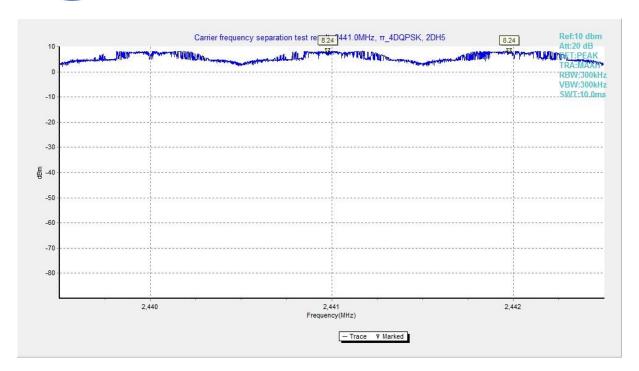


Fig. 82 Carrier Frequency Separation (π/4 DQPSK, Ch39)

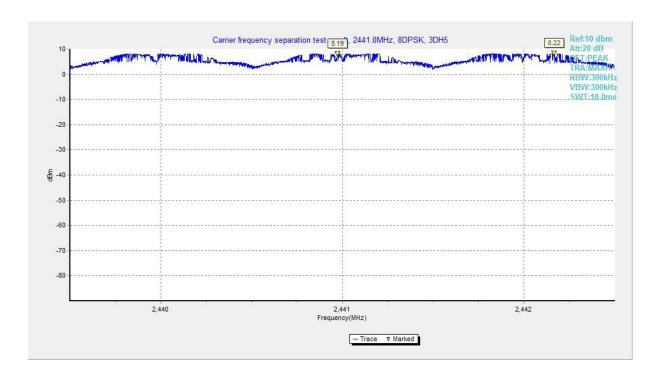


Fig. 83 Carrier Frequency Separation (8DPSK, Ch39)

END OF REPORT