Full Spectrum

Fig.58.　Radiated emission (Power): GFSK, low channel
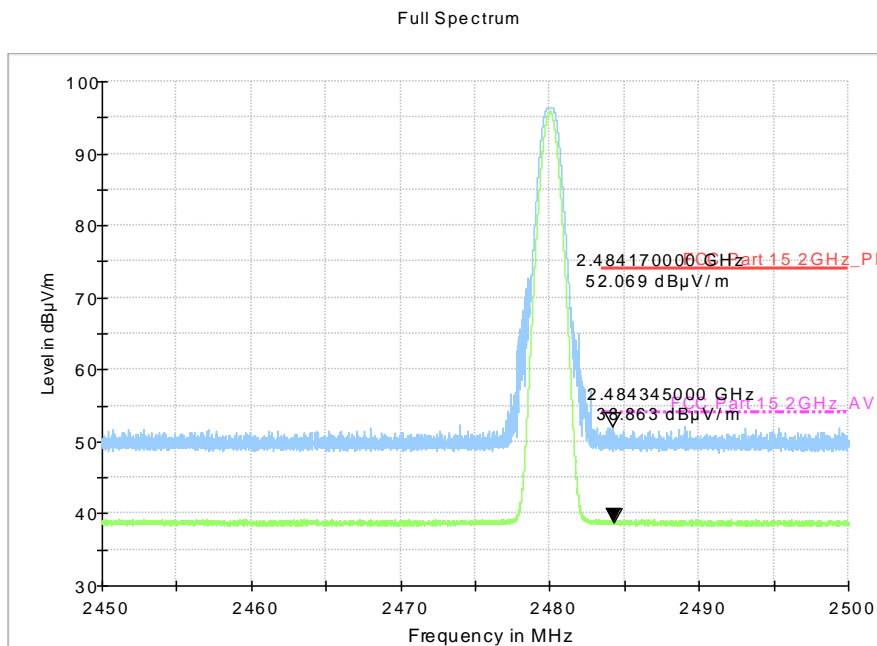
Full Spectrum

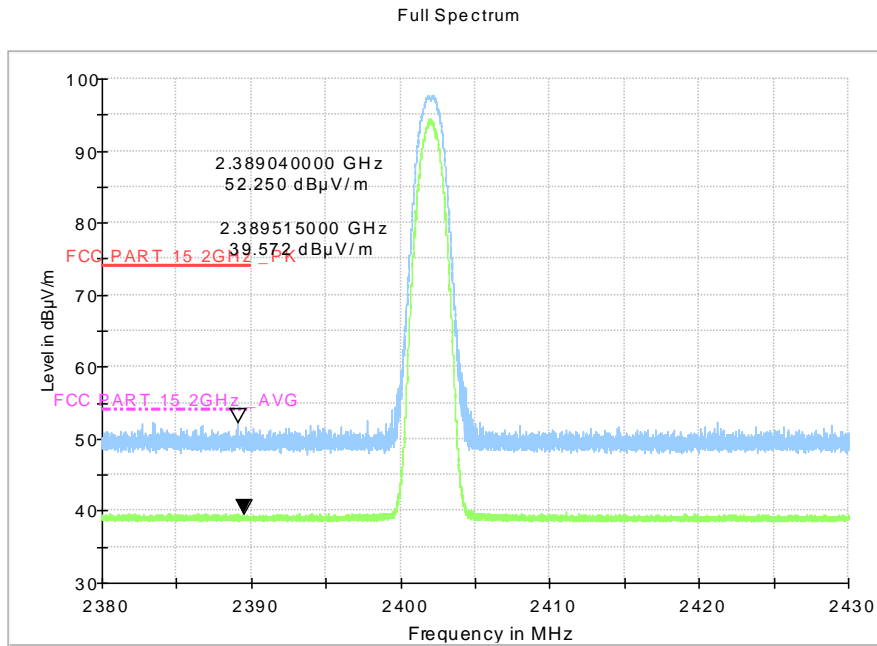Fig.59.　Radiated emission (Power) GFSK, high channel

Full Spectrum

Fig.60.   Radiated emission (Power): π/4 DQPSK, low channel

Full Spectrum
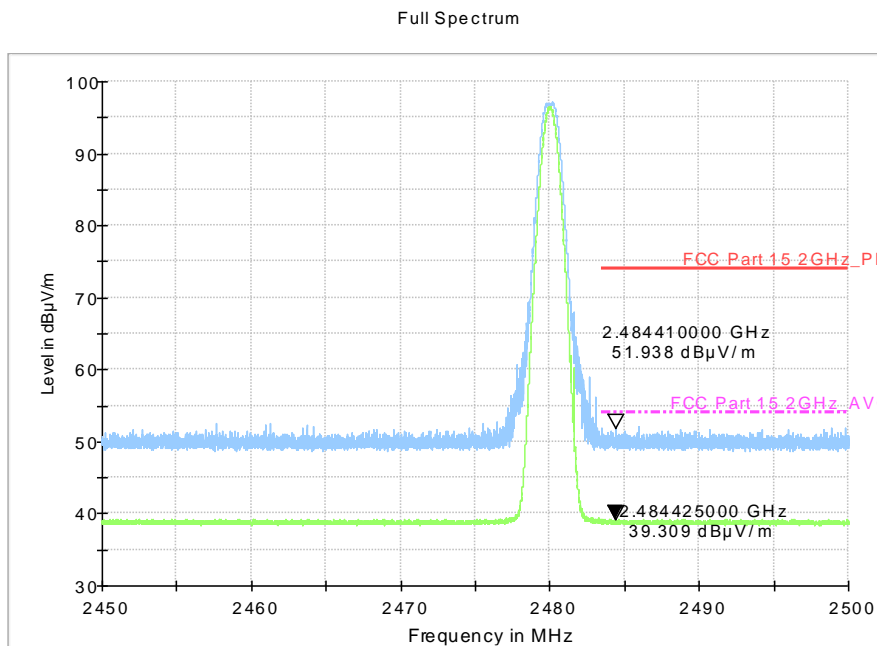
Fig.61.   Radiated emission (Power): π/4 DQPSK, high channel
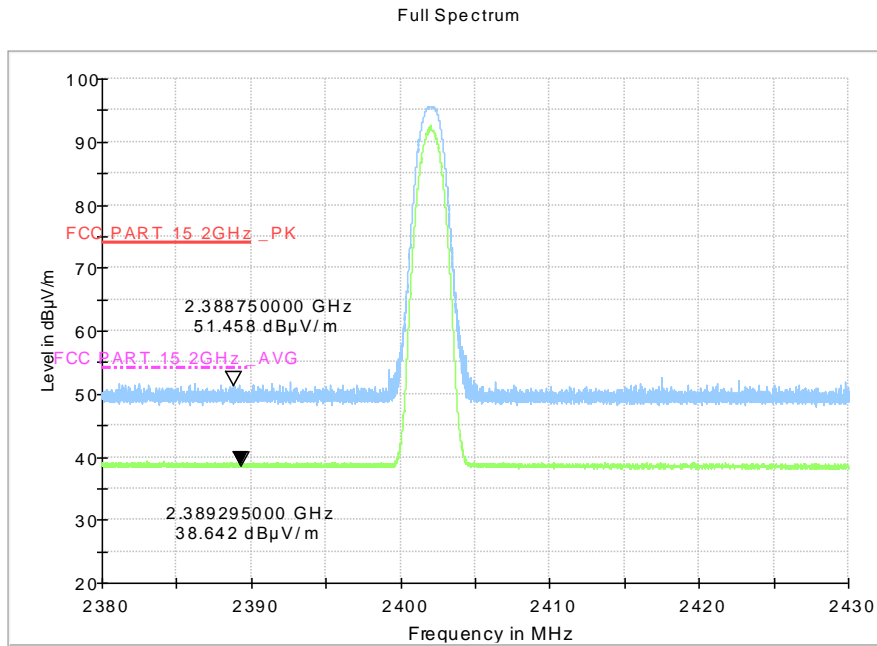
Full Spectrum

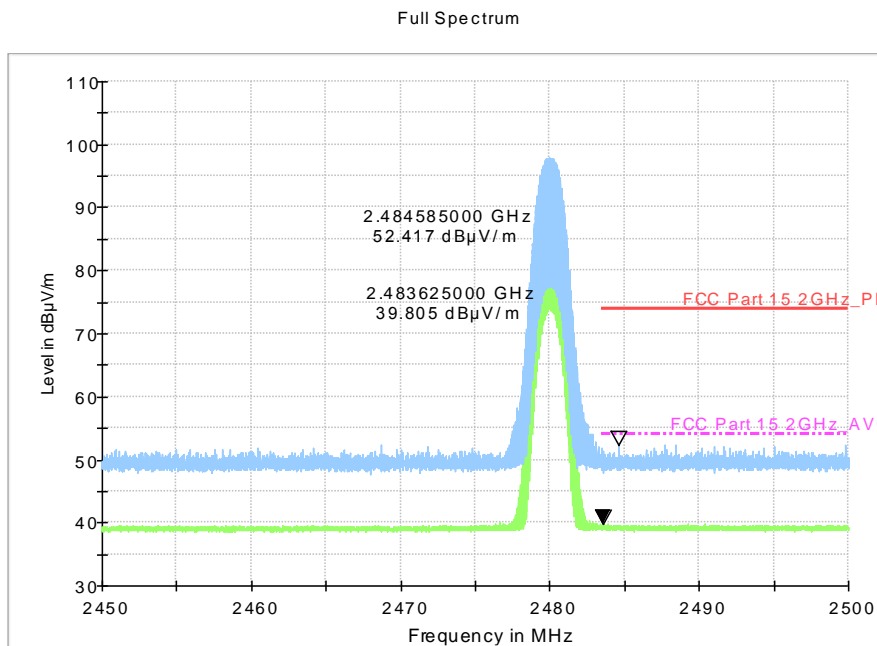Fig.62.   Radiated emission (Power): 8DPSK, low channel

Full Spectrum

Fig.63.   Radiated emission (Power): 8DPSK, high channel

A.6. Time of Occupancy (Dwell Time)

Method of Measurement: See ANSI C63.10-clause 7.8.4

The EUT must have its hopping function enabled. Use the following spectrum analyzer settings:

- Span = zero span, centered on a hopping channel

- RBW = 1 MHz

- VBW ≥ RBW

- Sweep = as necessary to capture the entire dwell time per hopping channel

- Detector function = peak

- Trace = max hold

Measure a pulse time in time domain at middle frequency and then count the hopping number in 31.6s(which equals with 0.4 multiply 79) of middle frequency ,then multiply the pulse time and hopping number and record them.

Measurement Limit:

Standard	Limit (ms)
FCC 47 CFR Part 15.247(a) (1)(iii)	< 400

Measurement Result:

For GFSK

Channel	Packet	Dwell Time (ms)		Conclusion
39	DH1	Fig.64	121.59	P
		Fig.65		
	DH3	Fig.66	147.36	P
		Fig.67		
	DH5	Fig.68	181.77	P
		Fig.69		

For π/4 DQPSK

Channel	Packet	Dwell Time (ms)		Conclusion
39	DH1	Fig.70	123.43	P
		Fig.71		
	DH3	Fig.72	155.70	P
		Fig.73		
	DH5	Fig.74	173.22	P
		Fig.75		

For 8DPSK

Channel	Packet	Dwell Time (ms)		Conclusion
39	DH1	Fig.76	122.22	P
		Fig.77		
	DH3	Fig.78	198.17	P

		Fig.79		
	DH5	Fig.80	190.67	P
		Fig.81		

Conclusion: PASS

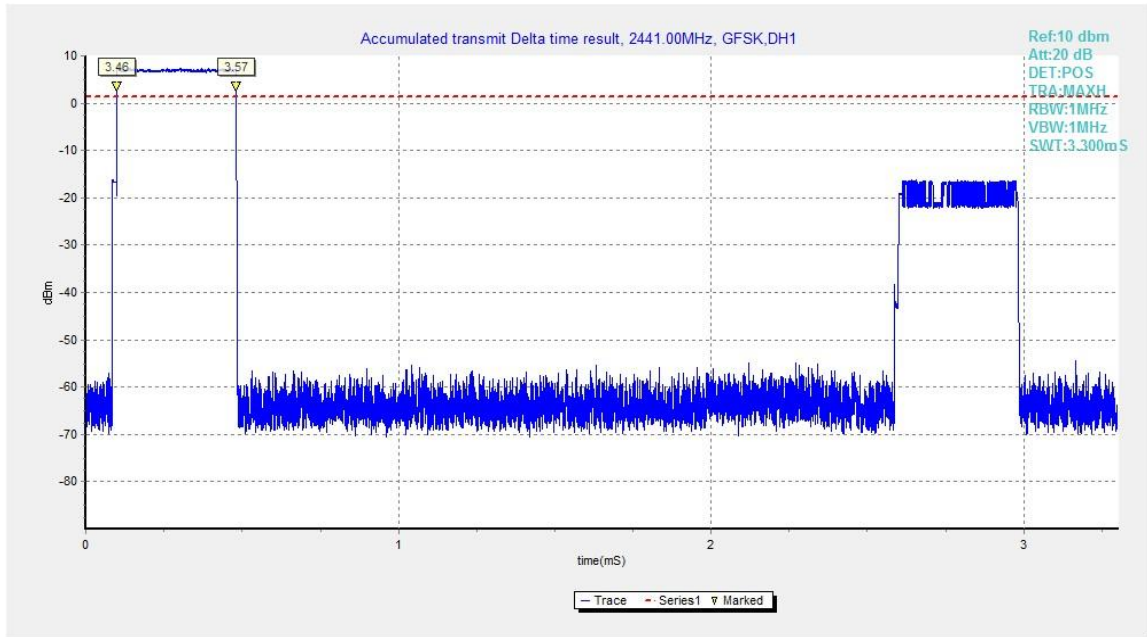**Test graphs as below:**

Fig.64.　Time of occupancy (Dwell Time): Channel 39, Packet DH1
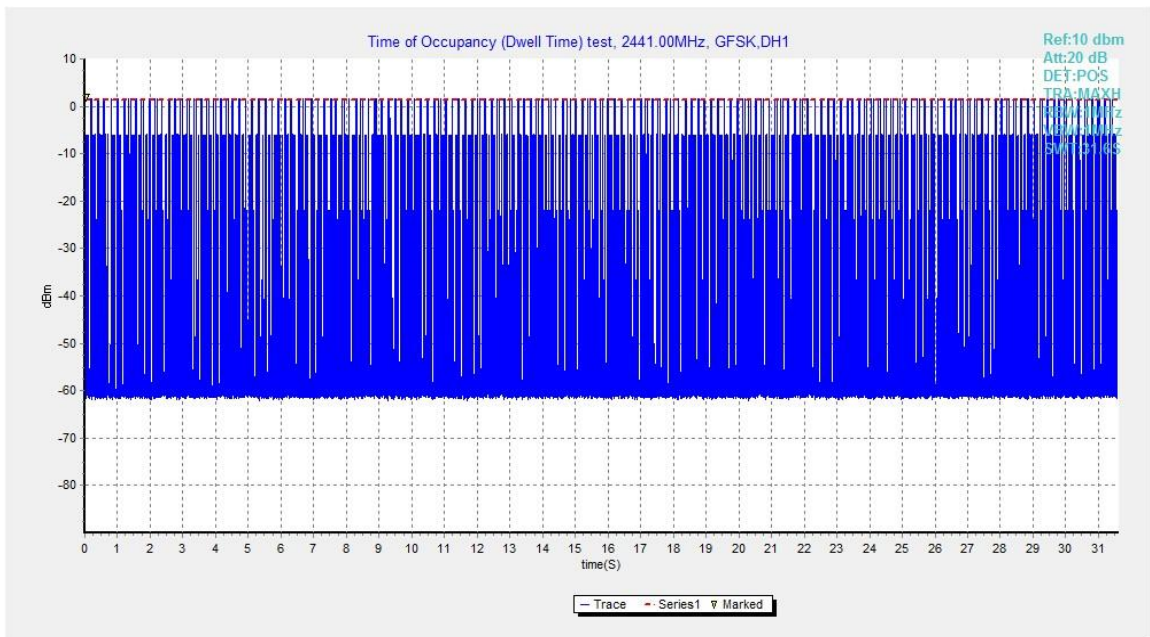

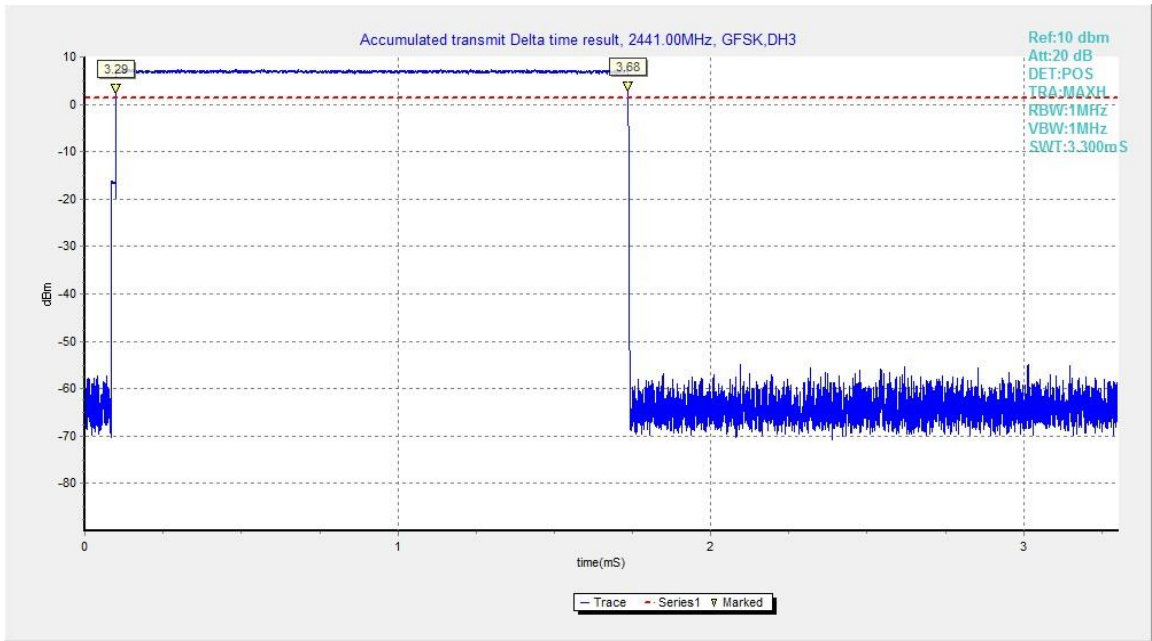Fig.65.　Number of Transmissions Measurement:Channel 39,Packet DH1

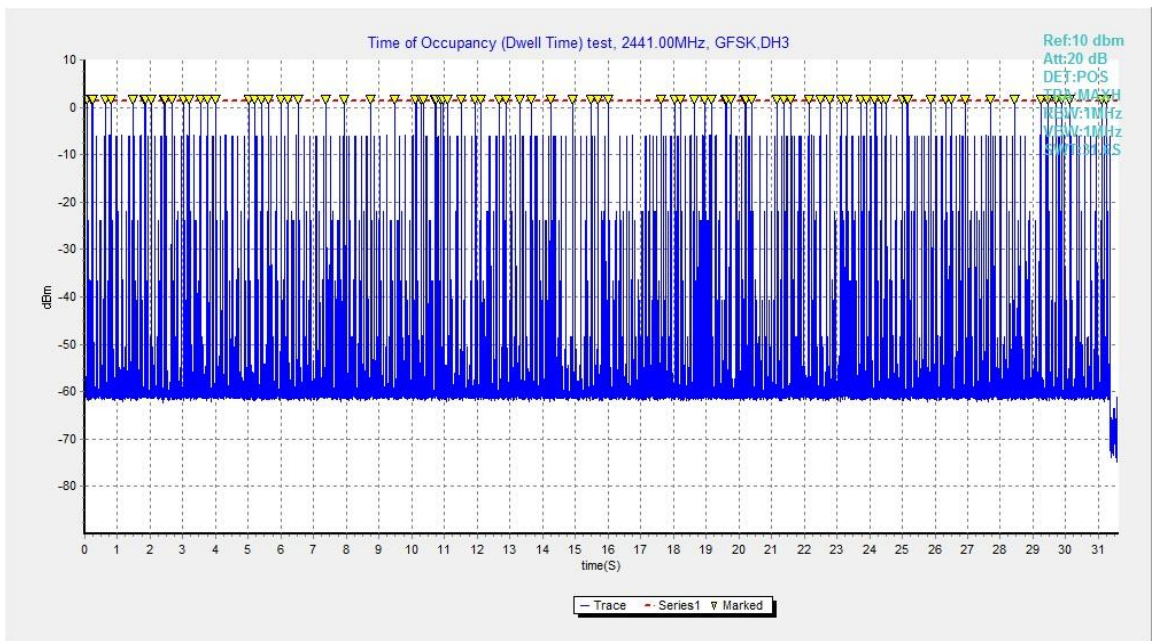Fig.66.　Time of occupancy (Dwell Time): Channel 39, Packet DH3

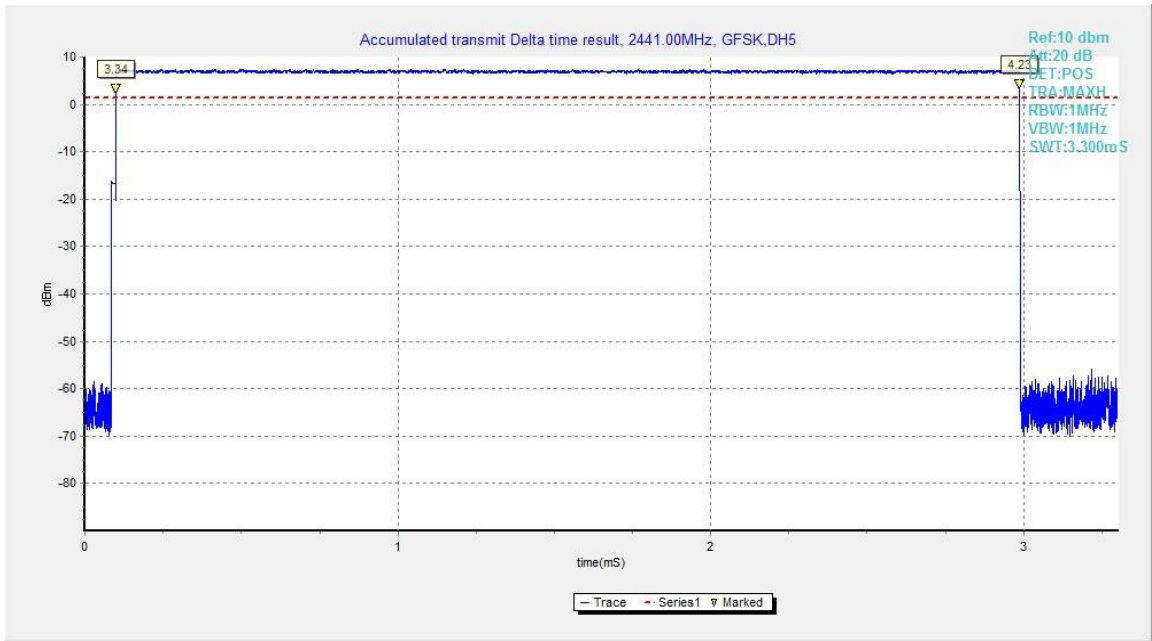Fig.67.　Number of Transmissions Measurement:Channel 39,Packet DH3

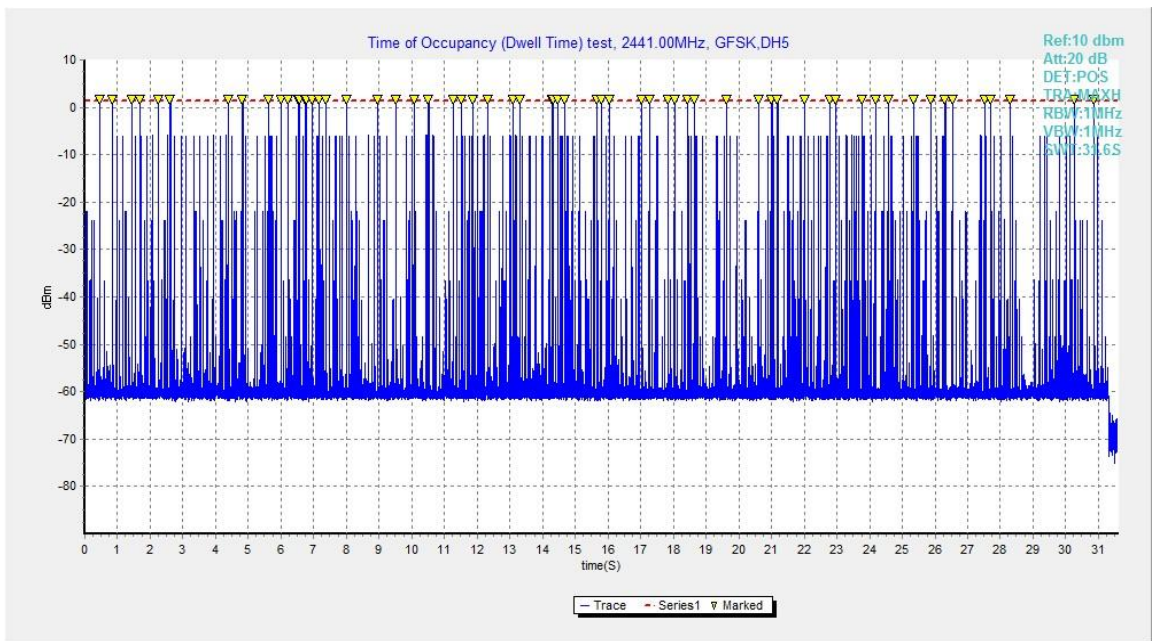Fig.68.   Time of occupancy (Dwell Time): Channel 39, Packet DH5

Fig.69.   Number of Transmissions Measurement:Channel 39,Packet DH5
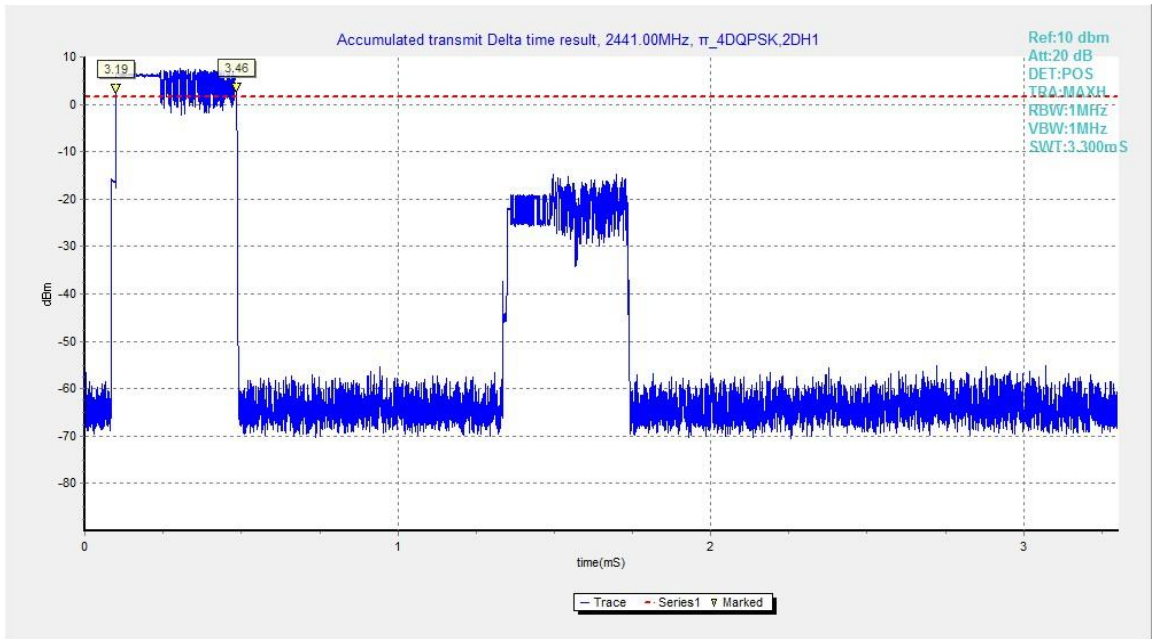
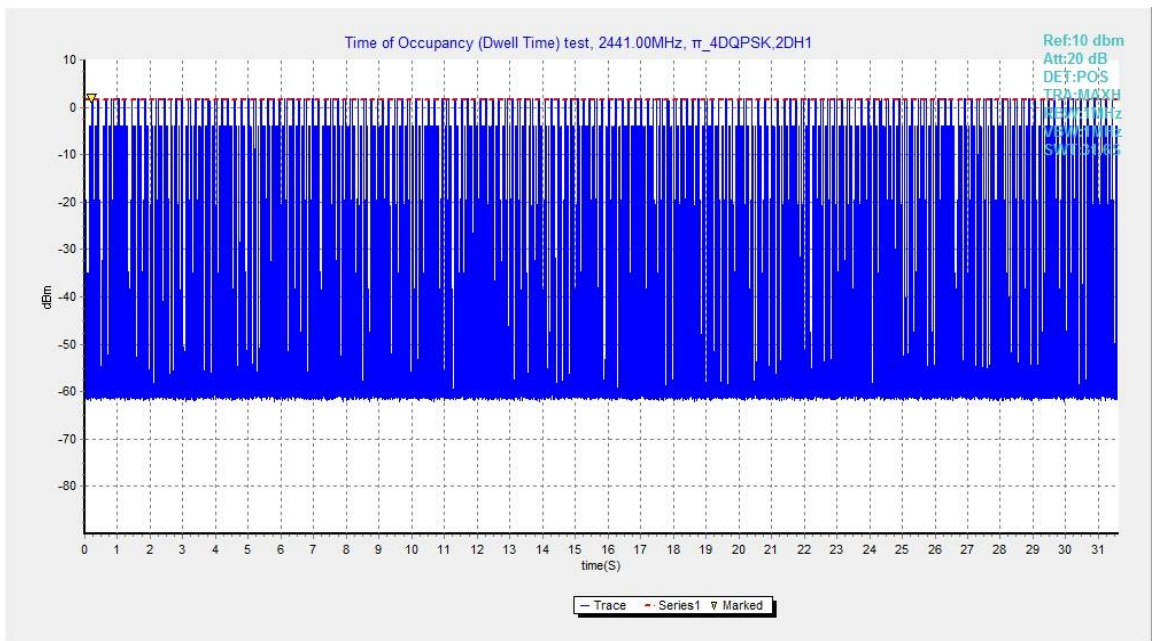Fig.70.　Time of occupancy (Dwell Time): Channel 39, Packet 2-DH1

Fig.71.　Number of Transmissions Measurement:Channel 39,Packet 2-DH1
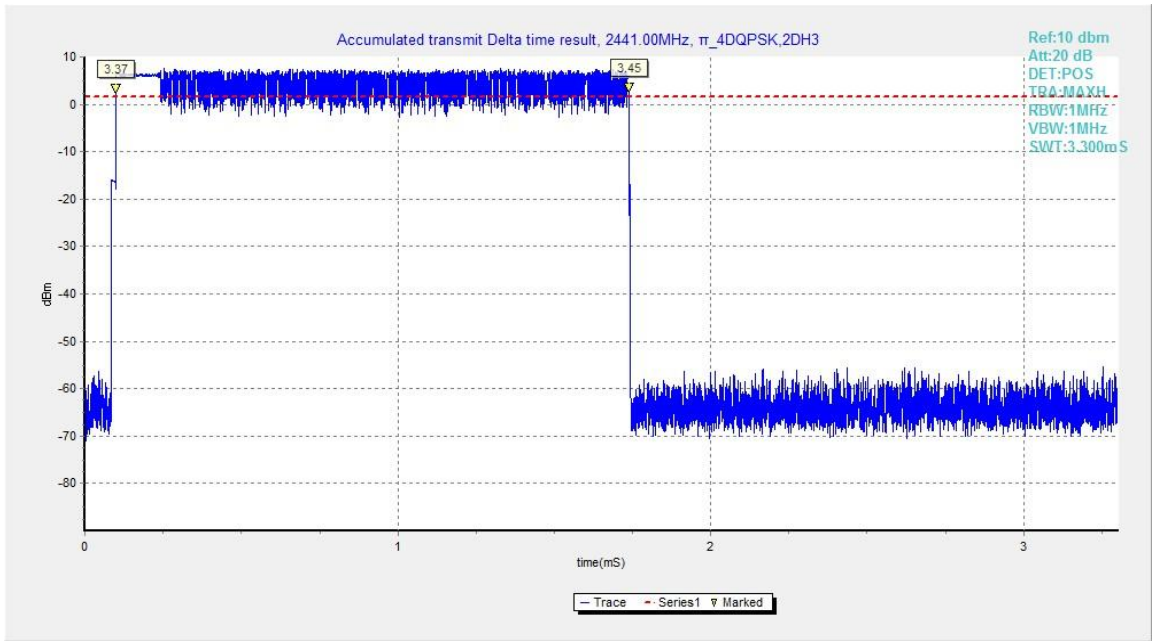
Fig.72.   Time of occupancy (Dwell Time): Channel 39, Packet 2-DH3
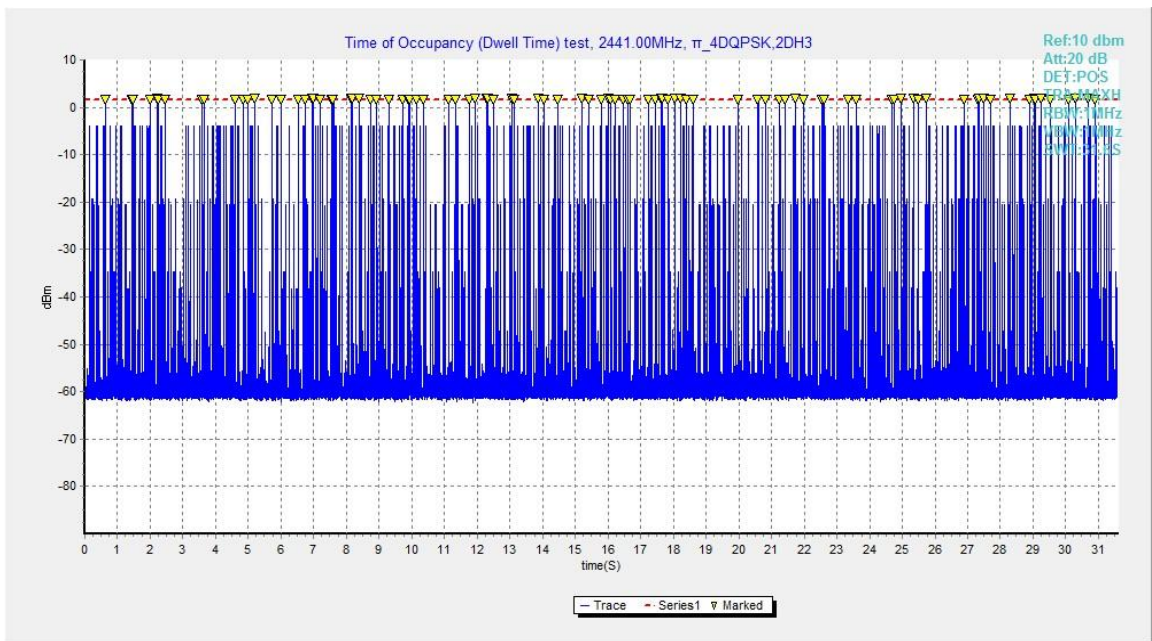

Fig.73.   Number of Transmissions Measurement:Channel 39,Packet 2-DH3
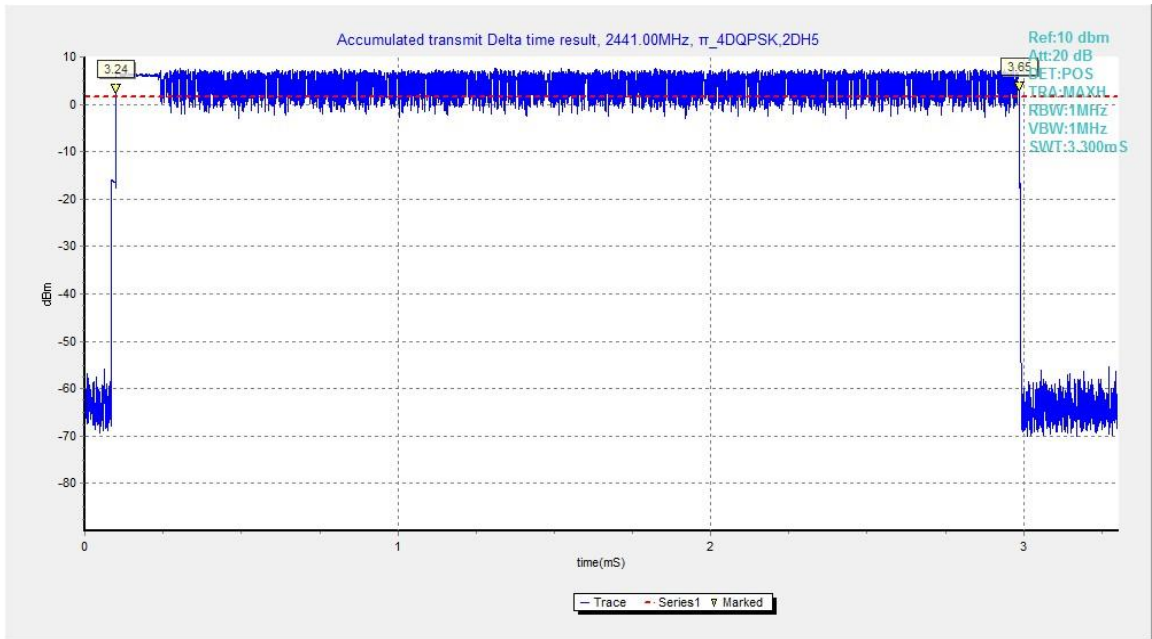
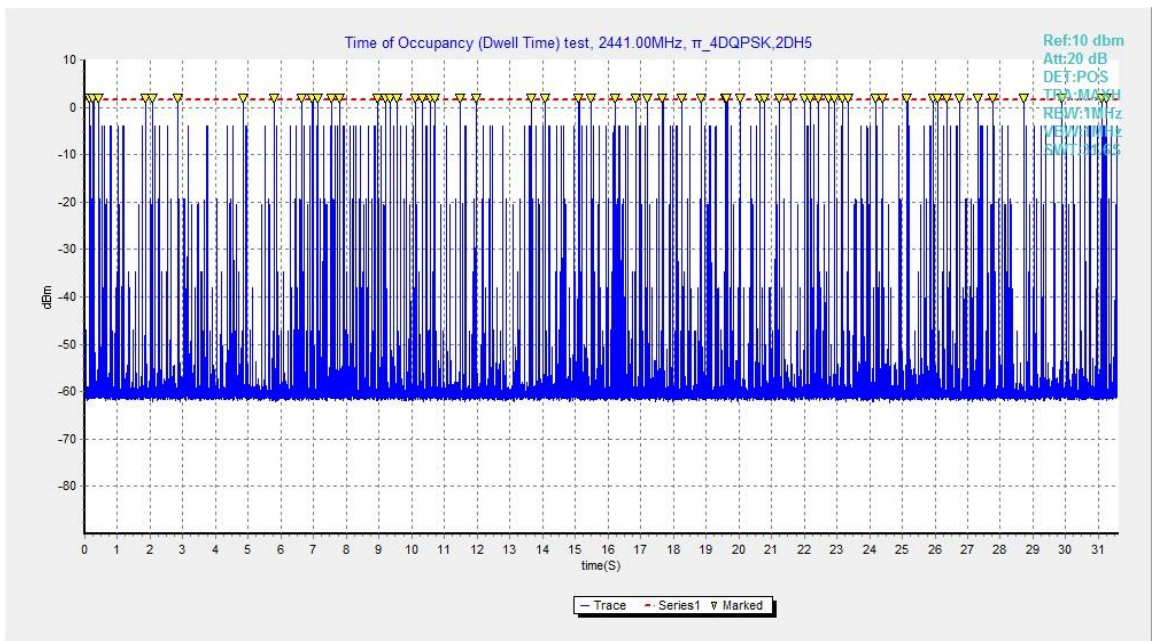Fig.74.　Time of occupancy (Dwell Time): Channel 39, Packet 2-DH5

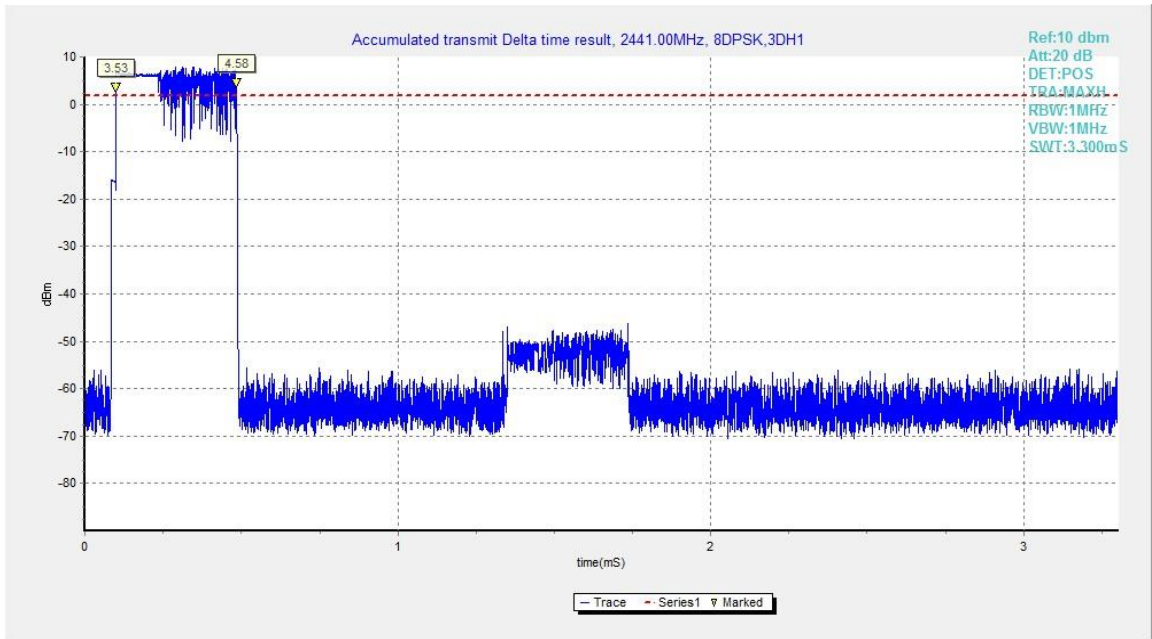Fig.75.　Number of Transmissions Measurement:Channel 39,Packet 2-DH5

Fig.76. Time of occupancy (Dwell Time): Channel 39, Packet 3-DH1
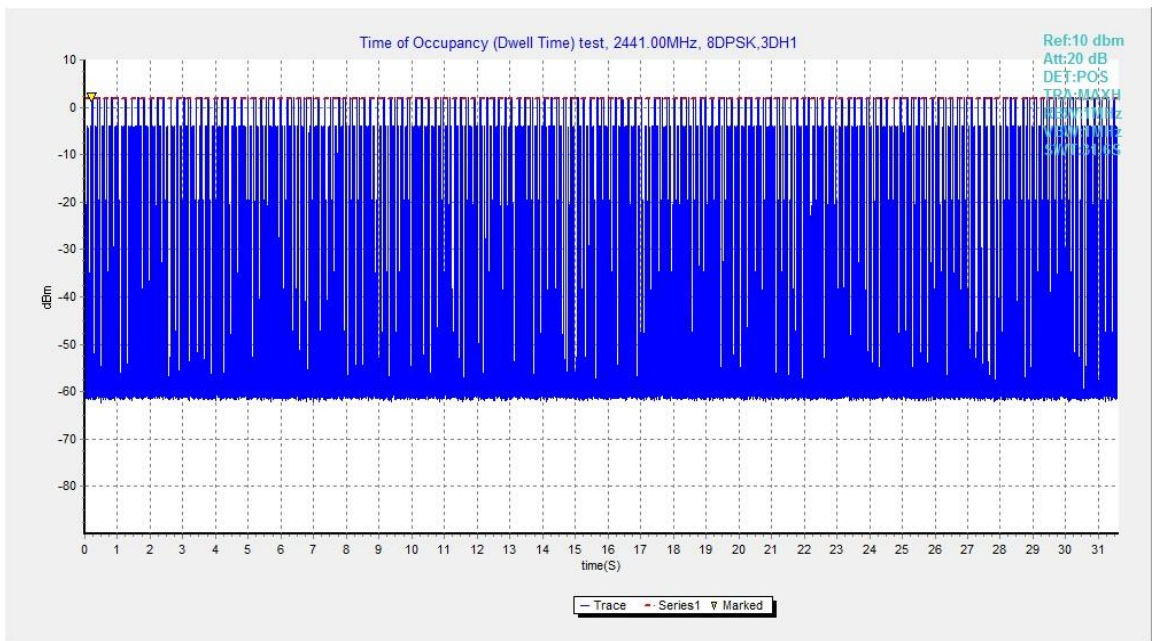

Fig.77. Number of Transmissions Measurement:Channel 39,Packet 3-DH1
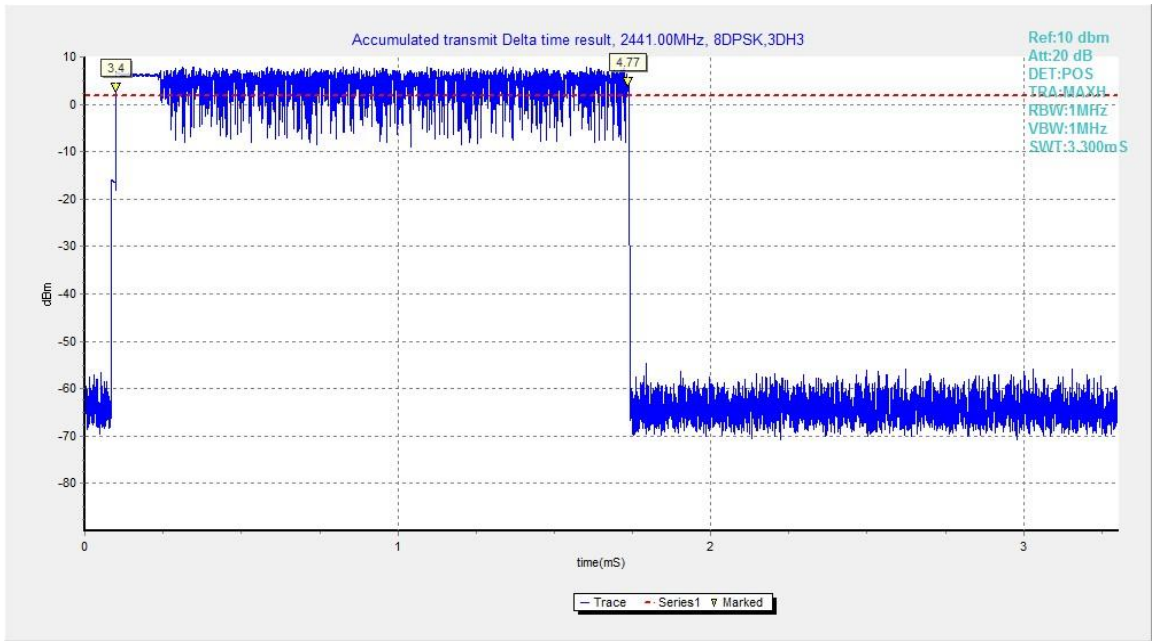
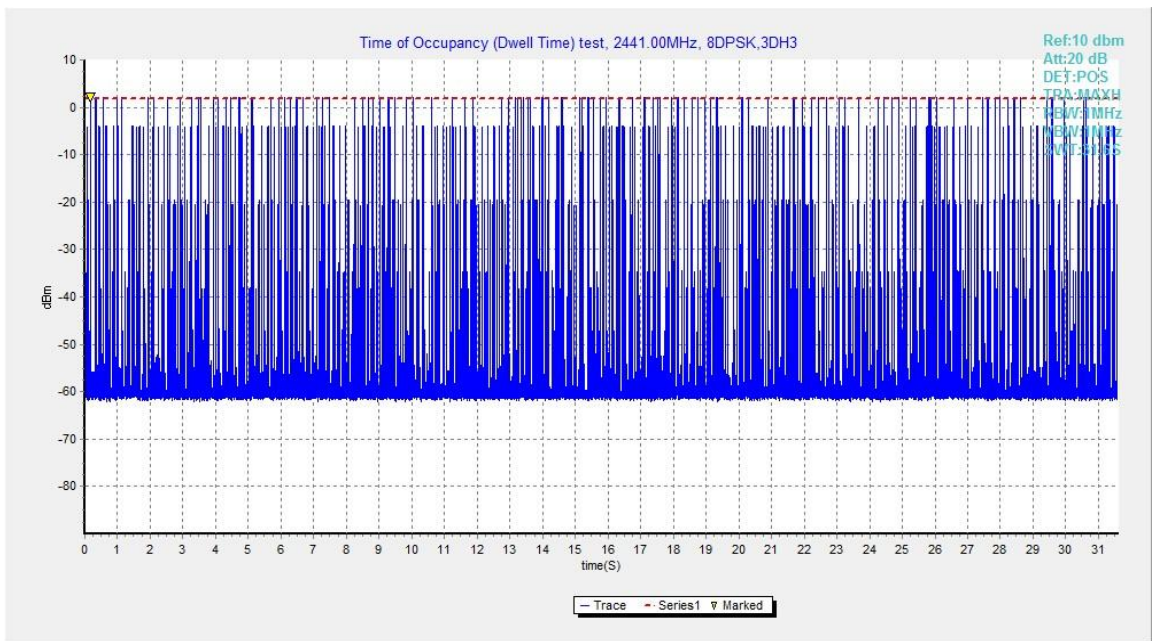Fig.78.   Time of occupancy (Dwell Time): Channel 39, Packet 3-DH3

Fig.79.   Number of Transmissions Measurement:Channel 39,Packet 3-DH3