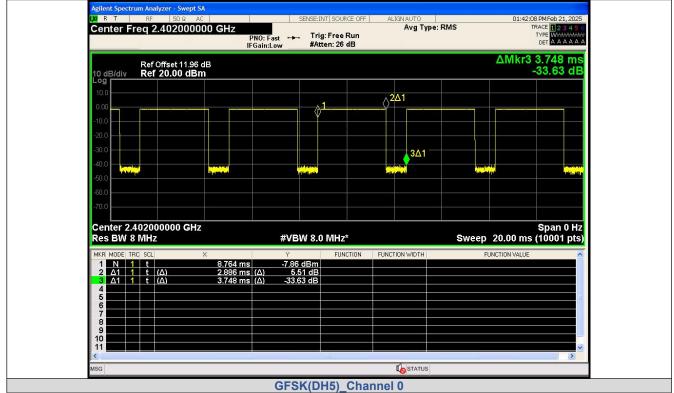


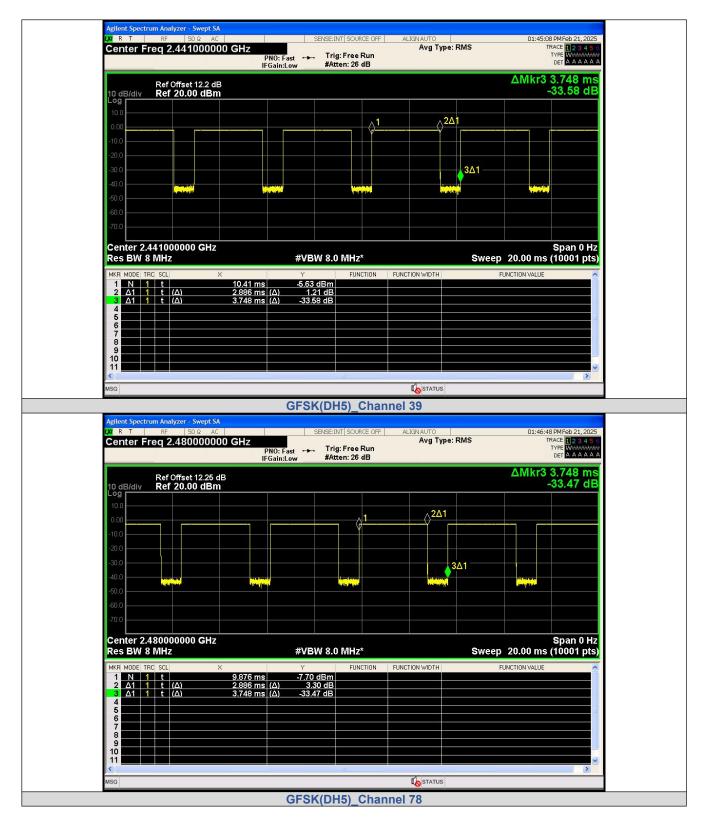
APPENDIX VI. Duty Cycle

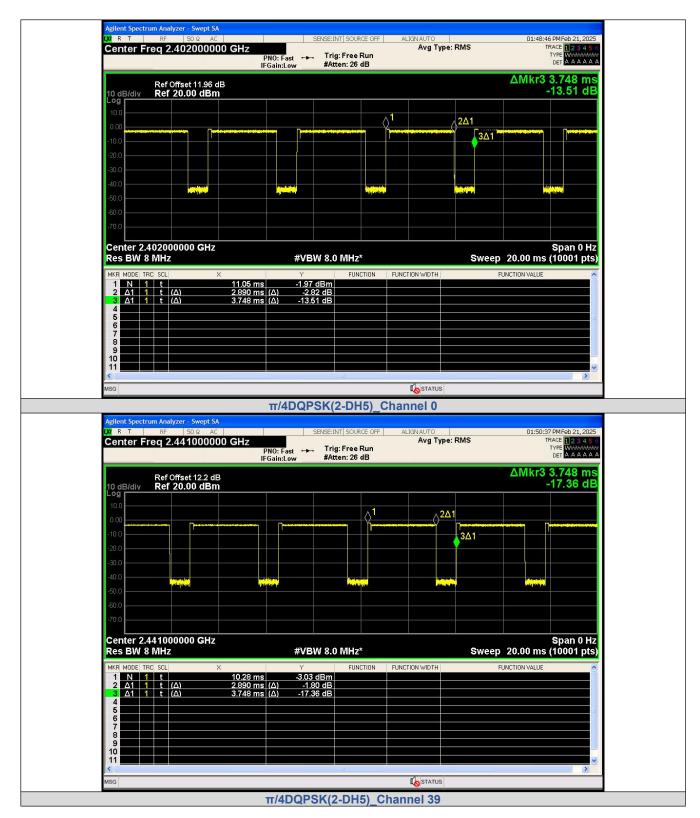
Test	Result

Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
GFSK		0	2.886	3.748	77.00	0.7700	1.1351
	DH5	39	2.886	3.748	77.00	0.7700	1.1351
		78	2.886	3.748	77.00	0.7700	1.1351
π/4DQPSK	2-DH5	0	2.890	3.748	77.11	0.7711	1.1289
		39	2.890	3.748	77.11	0.7711	1.1289
		78	2.890	3.748	77.11	0.7711	1.1289
8DPSK	3-DH5	0	2.892	3.748	77.16	0.7716	1.1261
		39	2.892	3.748	77.16	0.7716	1.1261
		78	2.892	3.748	77.16	0.7716	1.1261

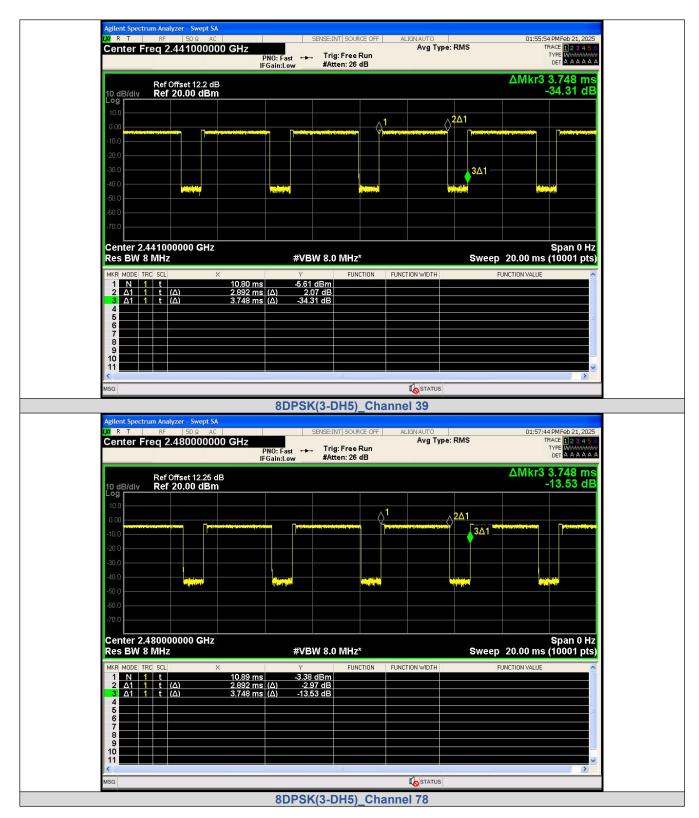
Test Graphs







	00 GHz PNO: Fast IFGain:Low #Atten: 26 d	Avg Type: RMS Run	01:52:21 PMFeb 21, 2025 TRACE 1 2 3 4 5 5 TYPE WWWWWW DET A A A A A A
Ref Offset 12.25 c 10 dB/div Ref 20.00 dBm	В		ΔMkr3 3.748 ms -21.25 dB
Log 10.0			
0.00		2Δ1	
-10.0		3∆1	
-20.0			
-40.0	a a a a a a a a a a a a a a a a a a a		
-50.0			
-70.0			
Center 2.480000000 GHz			Span 0 Hz
Res BW 8 MHz	#VBW 8.0 MHz*		p 20.00 ms (10001 pts)
MKR MODE TRC SCL	 Y FUNC 9.698 ms -4.22 dBm 2.890 ms (Δ) -0.97 dB 3.748 ms (Δ) -21.25 dB 	TION FUNCTION WIDTH	FUNCTION VALUE
3 Δ1 1 t (Δ) 4	3.748 ms (Δ) -0.97 dB		
5			
7 8 9			
10 11			✓
< /SG		STATUS	
	π/4DQPSK(2-DH		
		5)_Channel 78	
Agilent Spectrum Analyzer - Swept SA X R T RF 50Ω AC Center Freq 2.40200000	00 GHz PN0: Fast → Trig: Free F	E OFF ALIGNAUTO AVG Type: RMS	01:54:10 PM Feb 21, 2025 TRACE 1 2 3 4 5 6 TYPE WWWWWW DET & A A A A
X R T RF 50 Ω AC Center Freq 2.40200000	00 GHz PN0: Fast IFGain:Low #Atten: 26 d	E OFF ALIGNAUTO AVG Type: RMS	TRACE [] 2 3 4 5 5 TYPE W DET A A A A A A ΔMkr3 3.748 ms
XV/RT RF 50Ω AC	10 GHz PNO: Fast Trig: Free F IFGain:Low #Atten: 26 d	E OFF ALIGNAUTO AVG Type: RMS	TRACE 1 2 3 4 5 6 TYPE WWWWW DET A A A A A A
N R T RF 50 Ω AC Center Freq 2.40200000 Ref Offset 11.96 c Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm Ref 20.00 dBm 10 dB/div Ref 20.00 dBm Ref 20.00 dBm	10 GHz PNO: Fast Trig: Free F IFGain:Low #Atten: 26 d	E OFF ALIGNAUTO AVG Type: RMS	TRACE [] 2 3 4 5 5 TYPE W DET A A A A A A ΔMkr3 3.748 ms
R T RF 50 Ω AC Center Freq 2.40200000 Ref Offset 11.96 c Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm Ref 20.00 dBm	10 GHz PNO: Fast Trig: Free F IFGain:Low #Atten: 26 d	E OFF ALIGNAUTO AVg Type: RMS Run IB	ΔMkr3 3.748 ms -10.93 dB
R T RF 50.0. AC Center Freq 2.4020000(Ref Offset 11.96 c Ref Offset 11.96 c Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 0 00	10 GHz PNO: Fast Trig: Free F IFGain:Low #Atten: 26 d	E OFF ALIGNAUTO AVG Type: RMS Avg Type: RMS B	ΔMkr3 3.748 ms -10.93 dB
Ref 50 Ω AC Center Freq 2.40200000 Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm 10 0	10 GHz PNO: Fast Trig: Free F IFGain:Low #Atten: 26 d	E OFF ALIGNAUTO AVG Type: RMS Avg Type: RMS B	ΔMkr3 3.748 ms -10.93 dB
R T RF 50 Ω AC Center Freq 2.4020000(Ref Offset 11.96 α Ref Offset 11.96 α Ref Offset 11.96 α 10 dB/div Ref 20.00 dBm Ref 0.00 dBm Ref 0.00 dBm Ref 0.00 dBm 0 00	10 GHz PNO: Fast Trig: Free F IFGain:Low #Atten: 26 d	E OFF ALIGNAUTO AVG Type: RMS Avg Type: RMS B	ΔMkr3 3.748 ms -10.93 dB
R T RF 50 Ω AC Center Freq 2.4020000(Ref Offset 11.96 c Ref Offset 11.96 c Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 10 0	B	EE OFF ALIGNAUTO Avg Type: RMS Run IB	ΔMkr3 3.748 ms -10.93 dB
Ref 50 Ω AC Center Freq 2.40200000 Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm 00 Ref 20.00 dBm -100 Ref 20.00 dBm -200 Ref 20.00 dBm -300 Ref 20.00 dBm	B	EE OFF ALIGNAUTO Avg Type: RMS Run IB	ΔΜkr3 3.748 ms -10.93 dB
R T RF 50 Ω AC Center Freq 2.4020000(Ref Offset 11.96 c Ref Offset 11.96 c Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 10 0	B	E OFF ALIGNAUTO Avg Type: RMS an IB	ΔMkr3 3.748 ms -10.93 dB
R T RF 50 Ω AC Center Freq 2.40200000 Ref Offset 11.96 c 10 dB/div Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 10 0	B B B B B B B B B B B B B B	E OFF ALIGNAUTO Avg Type: RMS IB Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Aun Avg Type: RMS Aun Aun Aun Aun Aun Aun Aun Aun Aun Aun	ΔMkr3 3.748 ms -10.93 dB
Ref 50 Ω AC Center Freq 2.40200000 Ref Offset 11.96 c 10 B/div Ref 20.00 dB/div 100 B/div B/div 10.00 dB/div 100 B/div B/div 10.00 dB/div 100 B/div B/div 10.00 dB/div -200 B/div B/div 10.00 dB/div -300 B/div B/div 10.00 dB/div -600 B/div B/div 10.00 dB/div Center 2.4020000000 dB/div B/div 10.00 dB/div Center 2.40200000000 dB/div B/div 10.00 div	B B B B B B B B B B B B B B	E OFF ALIGNAUTO Avg Type: RMS IB Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Aun Avg Type: RMS Aun Aun Aun Aun Aun Aun Aun Aun Aun Aun	ΔΜkr3 3.748 ms -10.93 dB
K R T R 50 Ω AC Center Freq 2.40200000 Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm 10 B/div Ref 20.00 dBm 10 dB/div Ref 20.00 dBm 10 B/div Ref 20.00 dBm 10 dB/div 10 dB/div 10 dB/div 100 B/div Ref 20.00 dBm 10 dB/div 10 dB/div 10 dB/div 200 B/div B/div B/div 10 dB/div 10 dB/div -200 B/div B/div B/div 10 dB/div 10 dB/div 10 dB/div -200 B/div B/div B/div 10 dB/div 10 d	B We define the second seco	E OFF ALIGNAUTO Avg Type: RMS IB Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Aun Avg Type: RMS Aun Aun Aun Aun Aun Aun Aun Aun Aun Aun	ΔΜkr3 3.748 ms -10.93 dB
K R T RF 50 Ω AC Center Freq 2.40200000 Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm 10 dBm <t< td=""><td>B B B B B B B B B B B B B B</td><td>E OFF ALIGNAUTO Avg Type: RMS IB Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Aun Avg Type: RMS Aun Aun Aun Aun Aun Aun Aun Aun Aun Aun</td><td>ΔΜkr3 3.748 ms -10.93 dB -10.93 dB</td></t<>	B B B B B B B B B B B B B B	E OFF ALIGNAUTO Avg Type: RMS IB Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Aun Avg Type: RMS Aun Aun Aun Aun Aun Aun Aun Aun Aun Aun	ΔΜkr3 3.748 ms -10.93 dB
K R T RF 50.0. AC Center Freq 2.40200000 Ref Offset 11.96 c Ref Offset 11.96 c Ref Offset 11.96 c 10 dB/div Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm Ref 20.00 dBm 10 0	B B B B B B B B B B B B B B	E OFF ALIGNAUTO Avg Type: RMS IB Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun B Avg Type: RMS Aun Avg Type: RMS Aun Avg Type: RMS Aun Aun Avg Type: RMS Aun Aun Aun Aun Aun Aun Aun Aun Aun Aun	ΔΜkr3 3.748 ms -10.93 dB
N R T RF 50.0 AC Center Freq 2.40200000 Ref Offset 11.96 c No.000000000000000000000000000000000000	B B B B B B B B B B B B B B	E OFF ALIGNAUTO Avg Type: RMS an B Avg Type: RMS Au 201 201 201 201 201 201 201 201 201 201	ΔΜkr3 3.748 ms -10.93 dB
K R T RF 50 0 AC AC Center Freq 2.40200000 Ref Offset 11.96 c AC AC AC 10 dB/div Ref Offset 11.96 c AC AC </td <td>B B B B B B B B B B B B B B</td> <td>E OFF ALIGNAUTO Avg Type: RMS In IB ID ID ID ID ID ID ID ID ID ID ID ID ID</td> <td>AMKr3 3.748 ms -10.93 dB -10.93 dB -</td>	B B B B B B B B B B B B B B	E OFF ALIGNAUTO Avg Type: RMS In IB ID ID ID ID ID ID ID ID ID ID ID ID ID	AMKr3 3.748 ms -10.93 dB -10.93 dB -

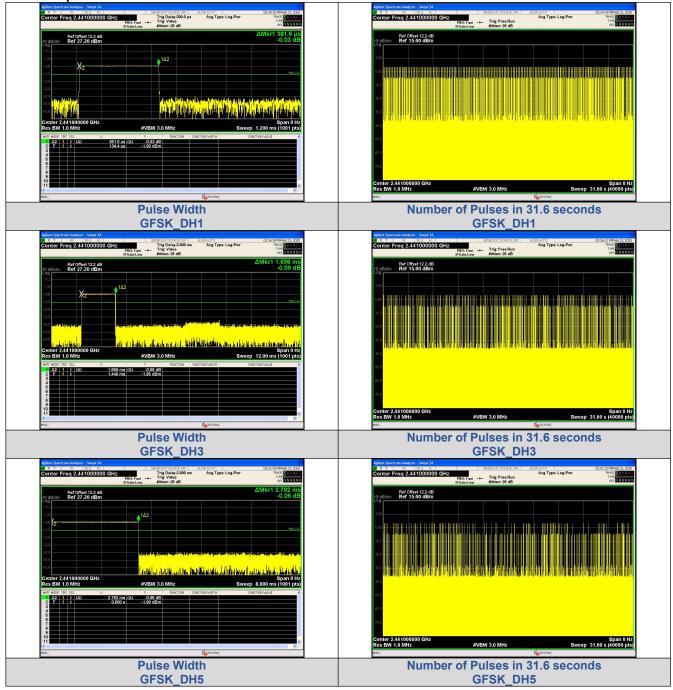


APPENDIX VII. Dwell Time

Test Result

Modulation	Packet	Channel	Pulse Width (ms)	Number of Pulses in 31.6 seconds	Dwell Time (ms)	Limit (ms)	Result
	DH1	CH39 (2441MHz)	0.3816	317	120.97	< 400	PASS
GFSK π/4DQPSK	DH3		1.656	165	273.24		PASS
	DH5		2.792	103	287.58		PASS
	2-DH1		0.3900	315	122.85		PASS
	2-DH3		1.656	163	269.93		PASS
	2-DH5		2.896	94	272.22		PASS
8DPSK	3-DH1		0.3888	315	122.47		PASS
	3-DH3		1.632	158	257.86		PASS
	3-DH5		2.880	106	305.28		PASS

Test Graphs



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