

Appendix - BR&EDR

Conducted Test Data

Conducted Output Power

Test Result

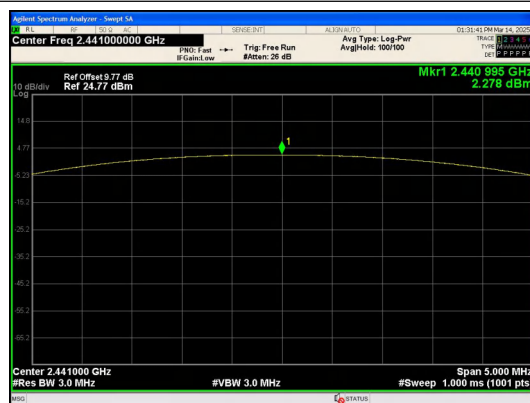
Modulation	Packet Type	Channel	Peak Output Power (dBm)	Peak Output Power (mW)	Max. Avg. Power (dBm)	Limit (dBm)	Result
GFSK	DH1	0	1.89	1.55	1.72	≤30	PASS
		39	2.28	1.69	1.83		PASS
		78	2.01	1.59	1.68		PASS
	DH3	0	1.91	1.55	1.49		PASS
		39	2.22	1.67	2.19		PASS
		78	1.99	1.58	1.39		PASS
	DH5	0	1.91	1.55	1.41		PASS
		39	2.28	1.69	1.66		PASS
		78	1.99	1.58	1.26		PASS
π/4DQPSK	2-DH1	0	1.28	1.34	-1.03		PASS
		39	1.63	1.45	-0.58		PASS
		78	1.32	1.35	-0.55		PASS
	2-DH3	0	1.29	1.35	-1.89		PASS
		39	1.61	1.45	-1.22		PASS
		78	1.31	1.35	-1.75		PASS
	2-DH5	0	1.28	1.34	-2.01		PASS
		39	1.61	1.45	-1.74		PASS
		78	1.27	1.34	-1.95		PASS
8DPSK	3-DH1	0	1.35	1.37	-1.02		PASS
		39	1.69	1.47	-0.08		PASS
		78	1.38	1.38	-1.06		PASS
	3-DH3	0	1.27	1.34	-1.92		PASS
		39	1.61	1.45	-1.35		PASS
		78	1.31	1.35	-1.79		PASS
	3-DH5	0	1.28	1.34	-1.90		PASS
		39	1.59	1.44	-1.60		PASS
		78	1.34	1.36	-1.92		PASS

Note: EIRP = $P_{out} + G_{ant}$, where P_{out} is the conducted output power (i.e., the Peak Output Power in the table), and G_{ant} is the antenna gain equal to 2.7 dBi.

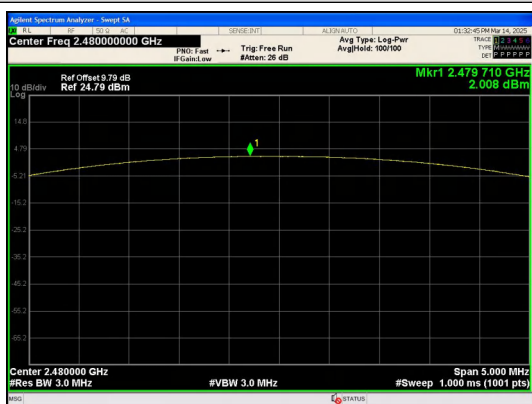
Test Graphs



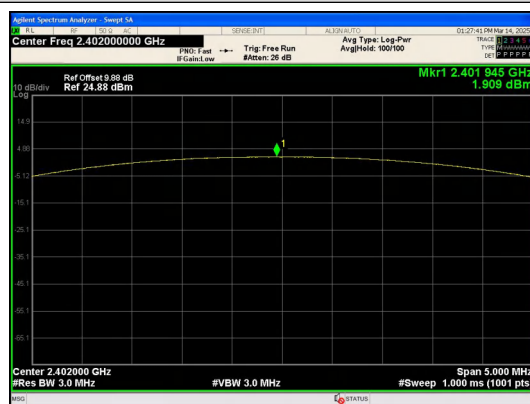
Peak Output Power
GFSK_Channel 0



Peak Output Power
GFSK_Channel 39



Peak Output Power
GFSK_Channel 78



Peak Output Power
GFSK_Channel 0



Peak Output Power
GFSK_Channel 39



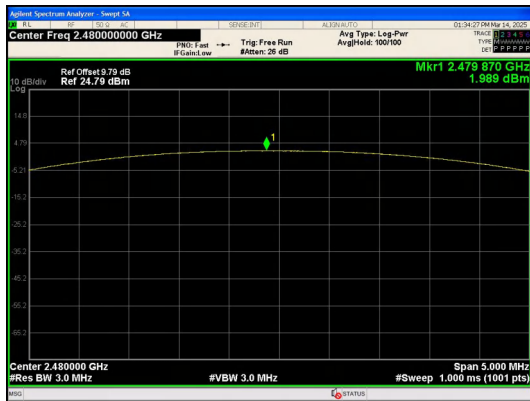
Peak Output Power
GFSK_Channel 78



Peak Output Power
GFSK_Channel 0



Peak Output Power
GFSK_Channel 39



Peak Output Power
GFSK_Channel 78



Peak Output Power
 $\pi/4$ DQPSK_Channel 0



Peak Output Power
 $\pi/4$ DQPSK_Channel 39



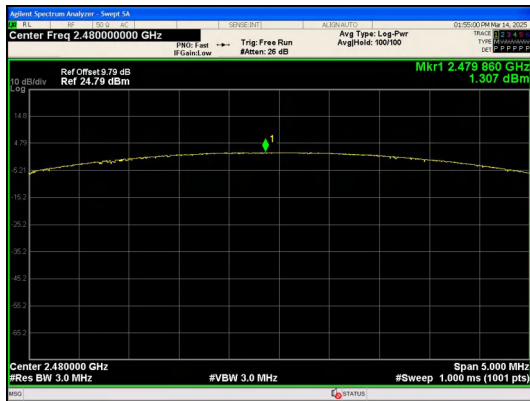
Peak Output Power
 $\pi/4$ DQPSK_Channel 78



Peak Output Power
 $\pi/4$ DQPSK_Channel 0



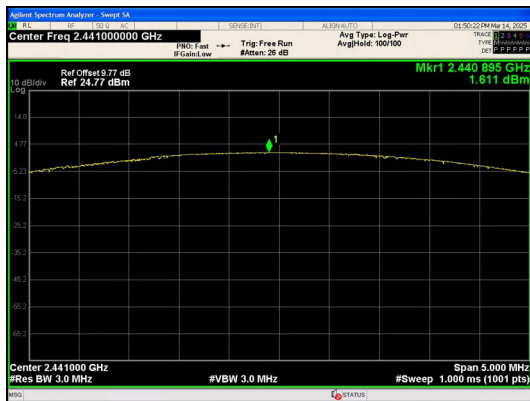
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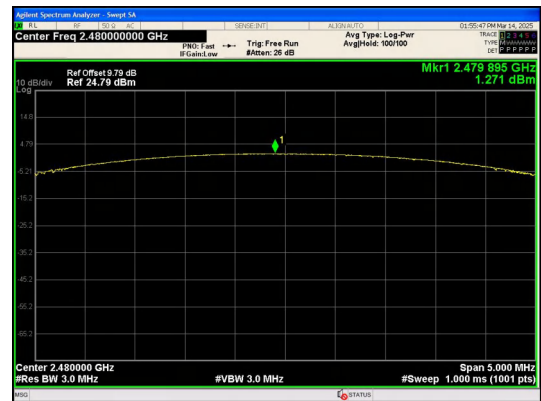
Peak Output Power
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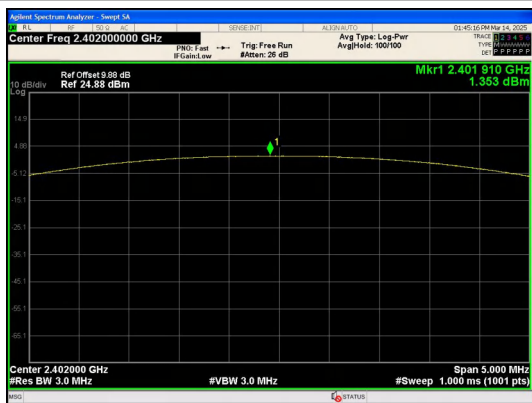
Peak Output Power
 $\pi/4$ DQPSK_Channel 0



Peak Output Power
 $\pi/4$ DQPSK_Channel 39



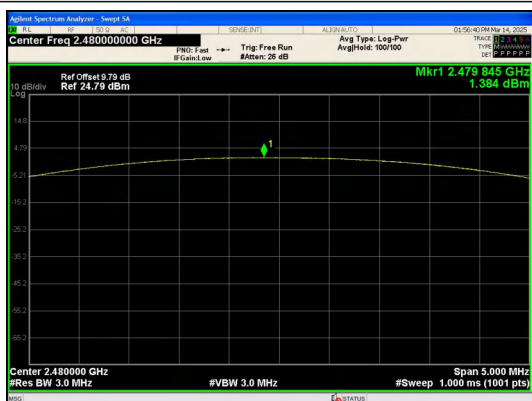
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 $\pi/4$ DQPSK_Channel 78



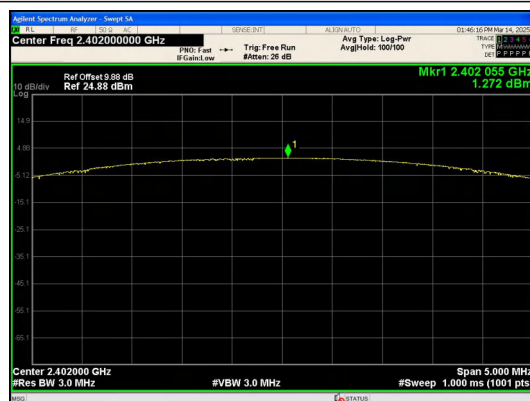
Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



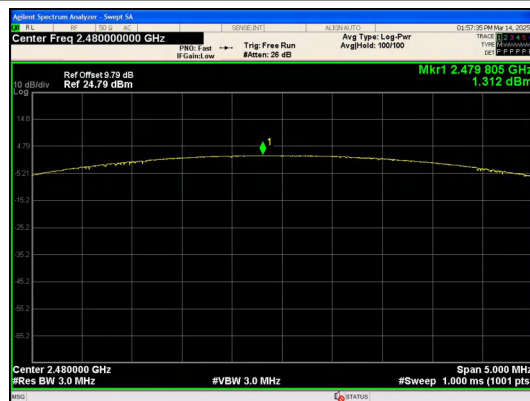
Peak Output Power
8DPSK_Channel 78



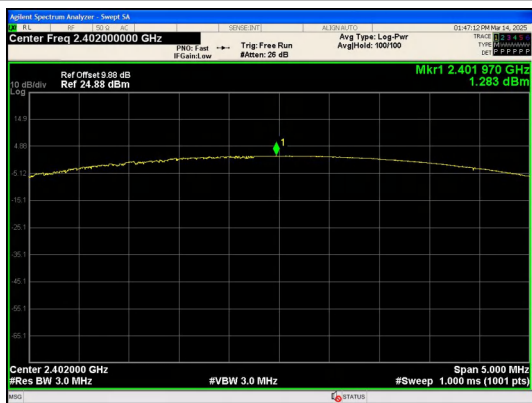
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8DPSK_Channel 0



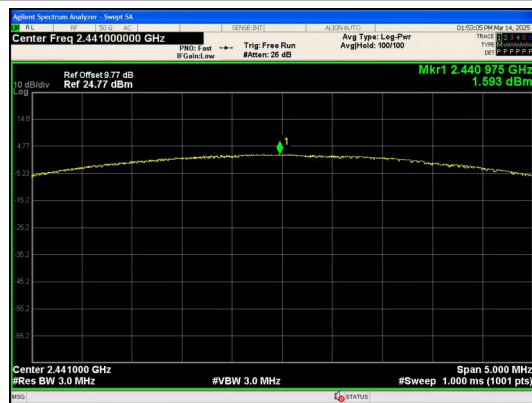
Peak Output Power
8DPSK_Channel 39



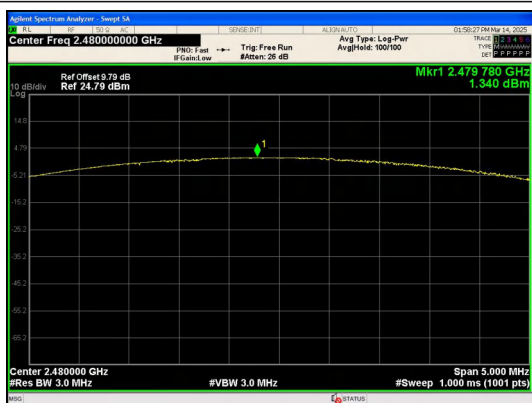
Peak Output Power
8DPSK_Channel 78



Peak Output Power
8DPSK_Channel 0



Peak Output Power
8DPSK_Channel 39



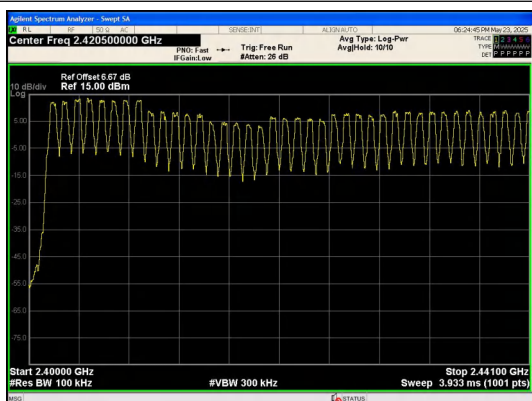
Peak Output Power
8DPSK_Channel 78

Number of Hopping Frequencies

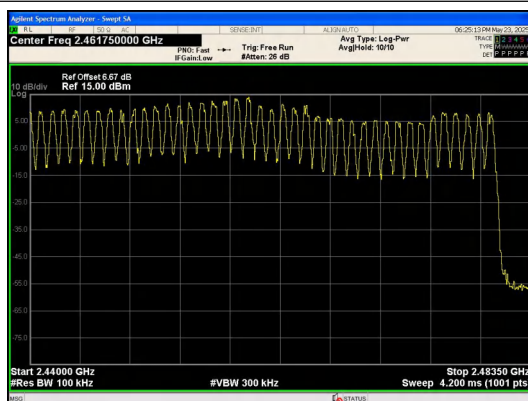
Test Result

Modulation	Packet	Number of Hopping Channel	Limit	Result
GFSK	DH1	79	15	PASS
GFSK	DH1	79	15	PASS
GFSK	DH1	79	15	PASS
GFSK	DH3	79	15	PASS
GFSK	DH3	79	15	PASS
GFSK	DH3	79	15	PASS
GFSK	DH5	79	15	PASS
GFSK	DH5	79	15	PASS
GFSK	DH5	79	15	PASS
$\pi/4$ DQPSK	2-DH1	79	15	PASS
$\pi/4$ DQPSK	2-DH1	79	15	PASS
$\pi/4$ DQPSK	2-DH1	79	15	PASS
$\pi/4$ DQPSK	2-DH3	79	15	PASS
$\pi/4$ DQPSK	2-DH3	79	15	PASS
$\pi/4$ DQPSK	2-DH3	79	15	PASS
$\pi/4$ DQPSK	2-DH5	79	15	PASS
$\pi/4$ DQPSK	2-DH5	79	15	PASS
$\pi/4$ DQPSK	2-DH5	79	15	PASS
8DPSK	3-DH1	79	15	PASS
8DPSK	3-DH1	79	15	PASS
8DPSK	3-DH1	79	15	PASS
8DPSK	3-DH3	79	15	PASS
8DPSK	3-DH3	79	15	PASS
8DPSK	3-DH3	79	15	PASS
8DPSK	3-DH5	79	15	PASS
8DPSK	3-DH5	79	15	PASS
8DPSK	3-DH5	79	15	PASS

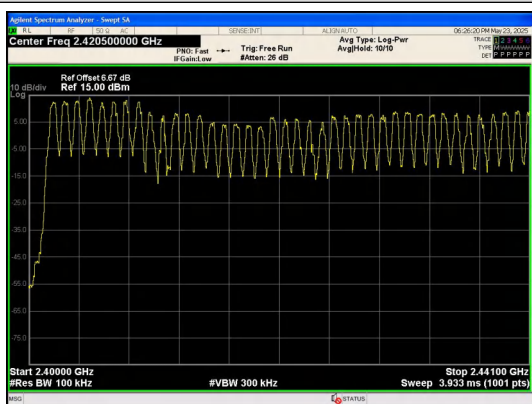
Test Graphs



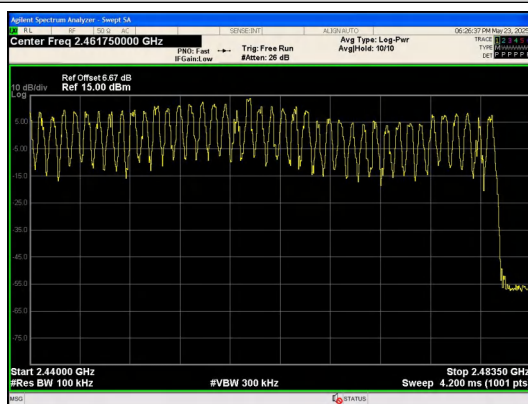
Low End Spectrum Channel Hopping Plot
GFSK



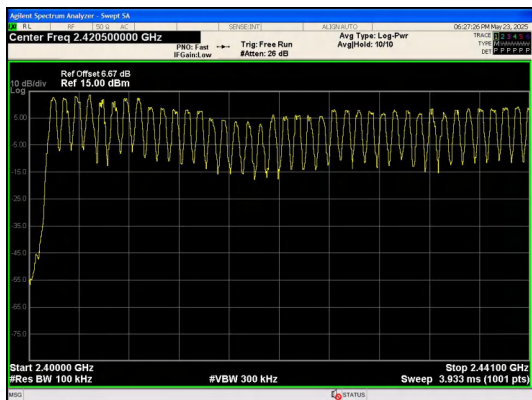
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GFSK



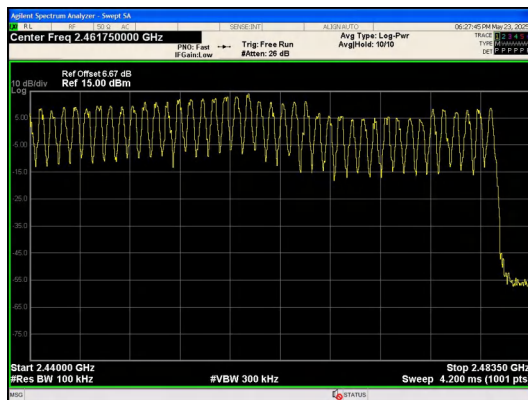
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GFSK



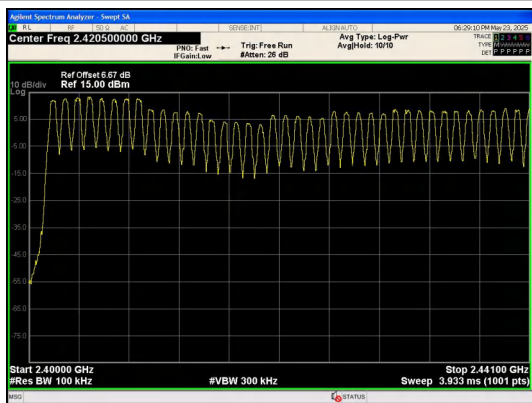
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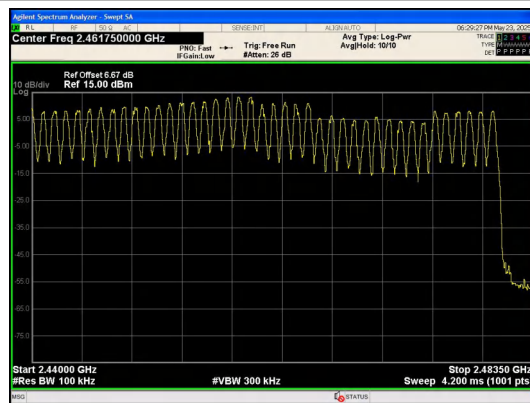
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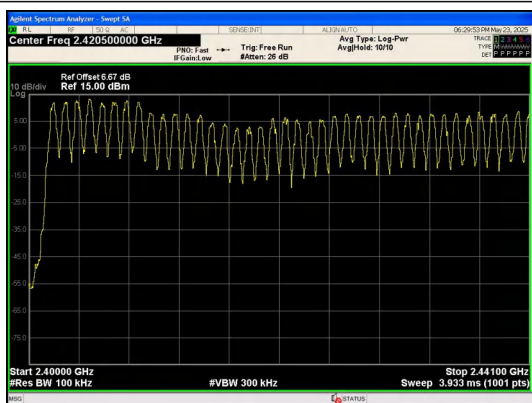
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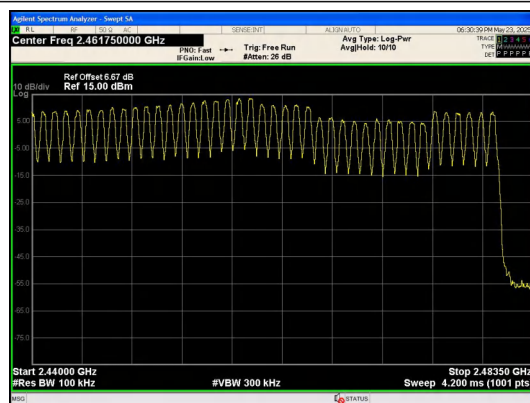
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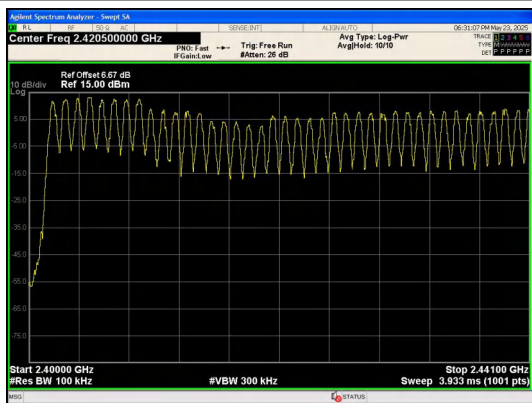
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GFSK



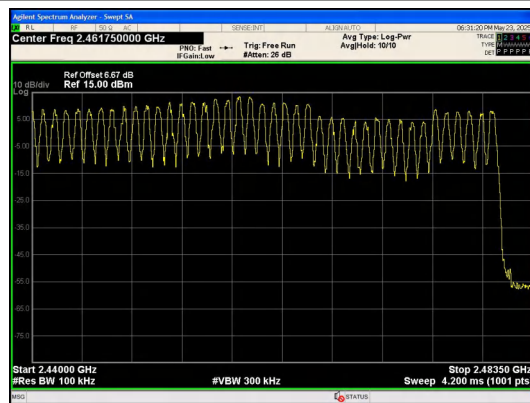
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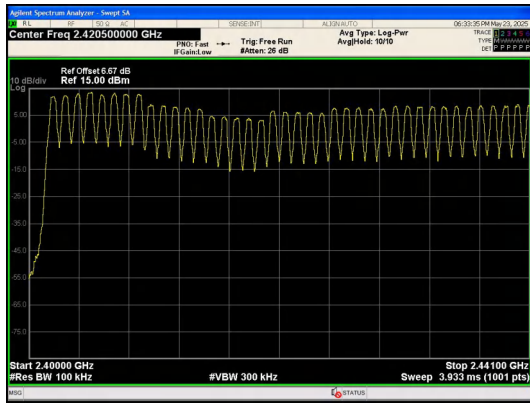
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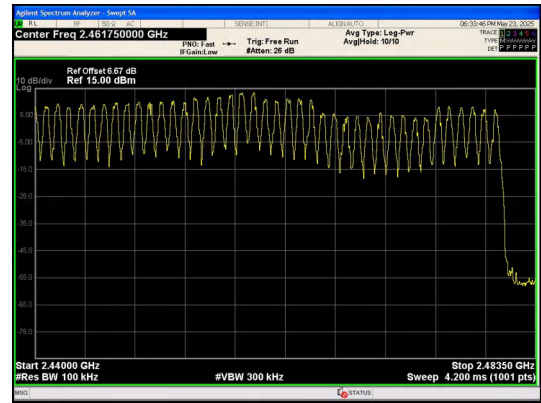
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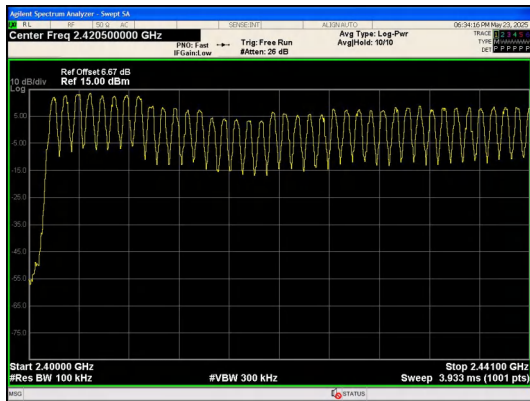
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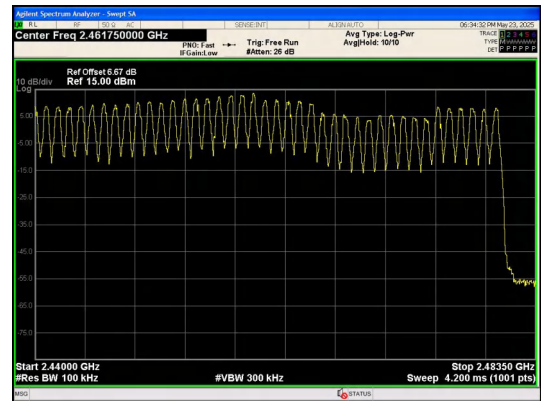
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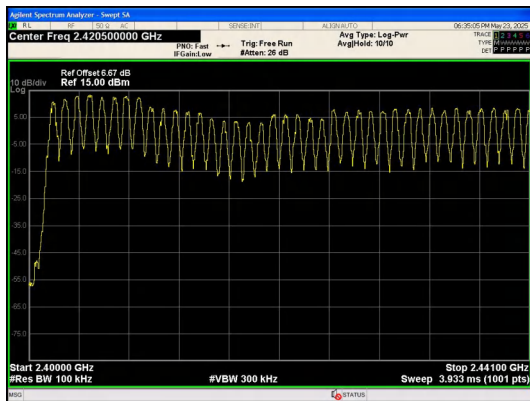
High End Spectrum Channel Hopping Plot
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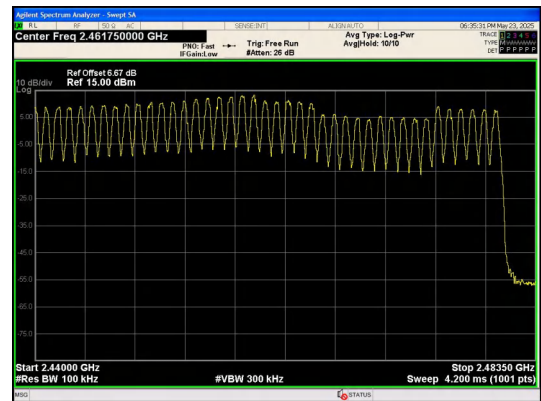
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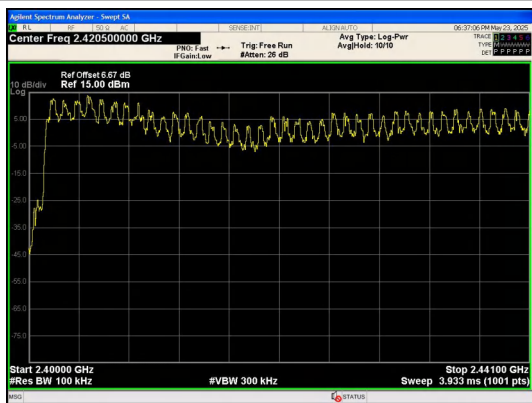
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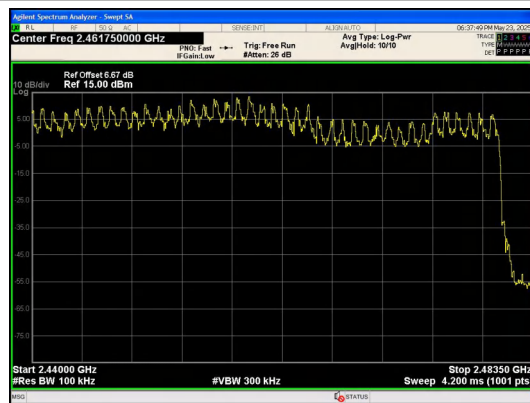
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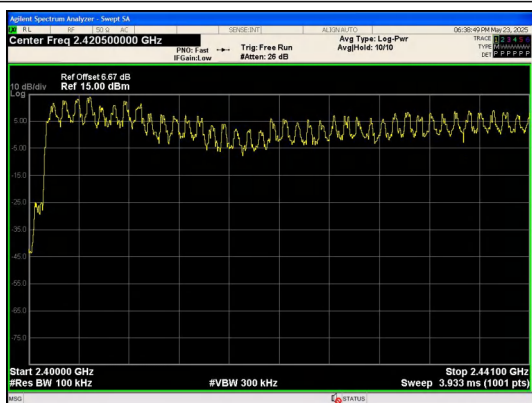
High End Spectrum Channel Hopping Plot
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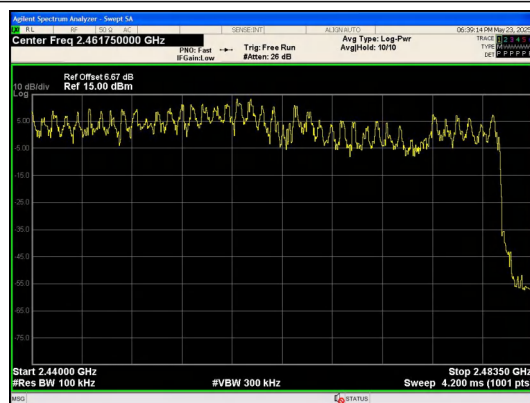
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



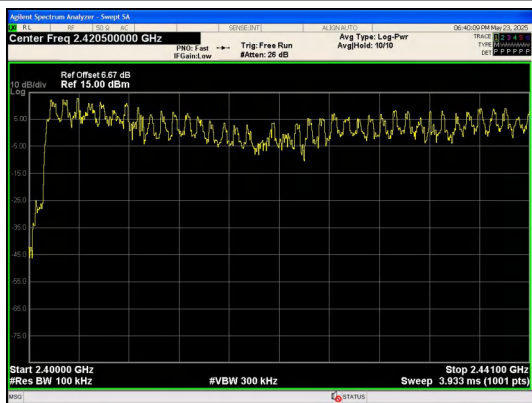
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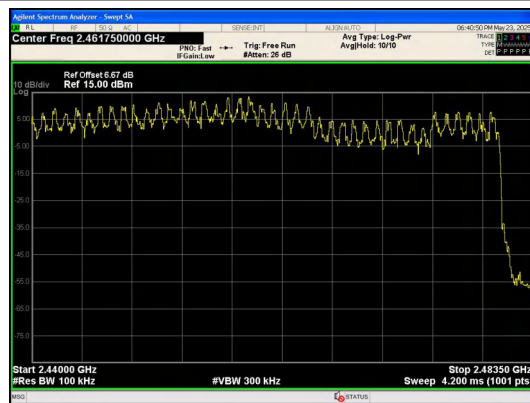
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 $\pi/4$ DQPSK



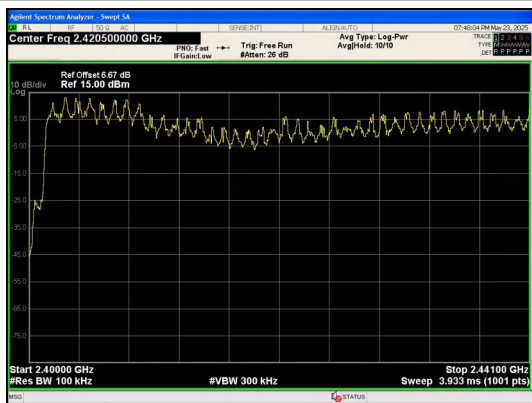
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 $\pi/4$ DQPSK



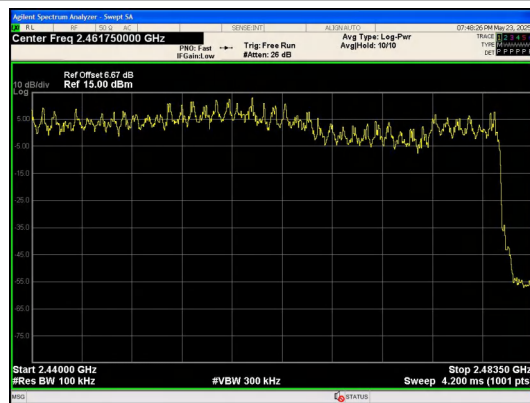
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



High End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



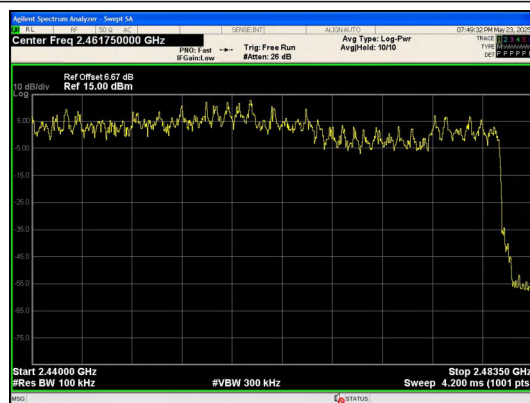
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



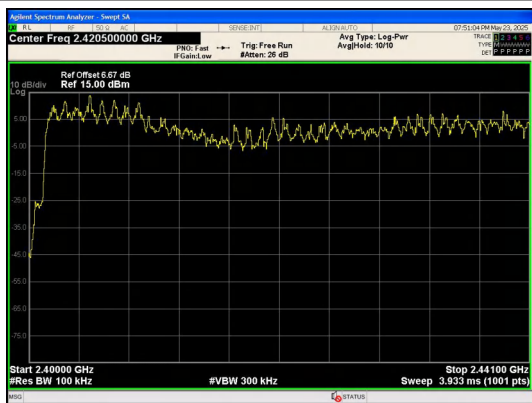
High End Spectrum Channel Hopping Plot
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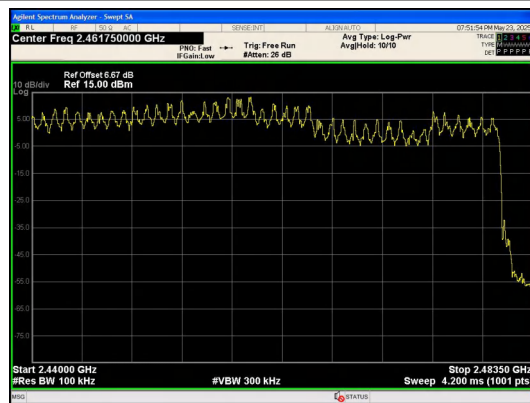
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



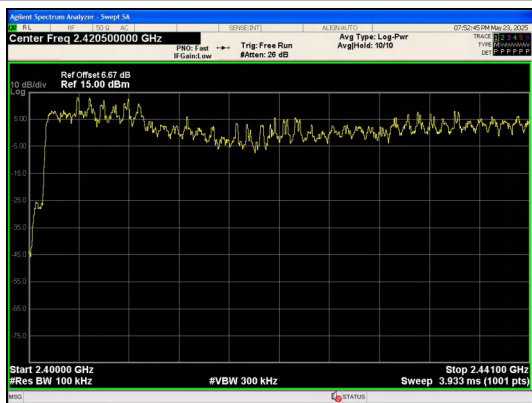
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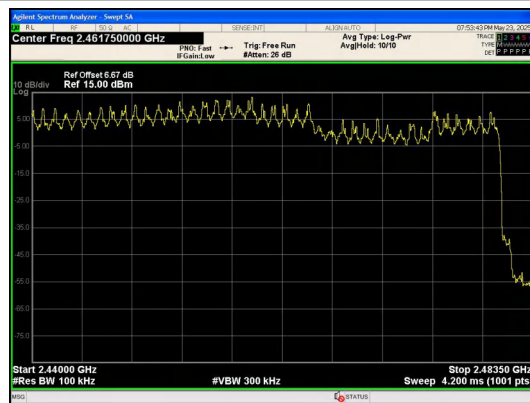
Low End Spectrum Channel Hopping Plot
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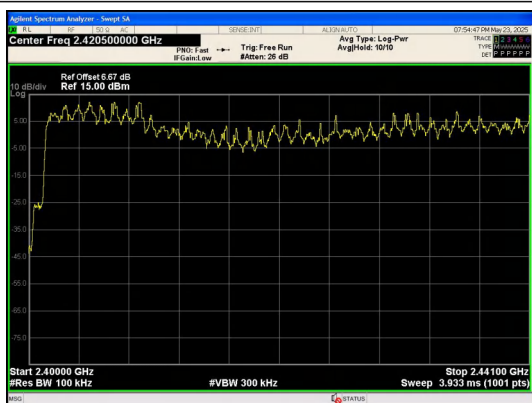
High End Spectrum Channel Hopping Plot
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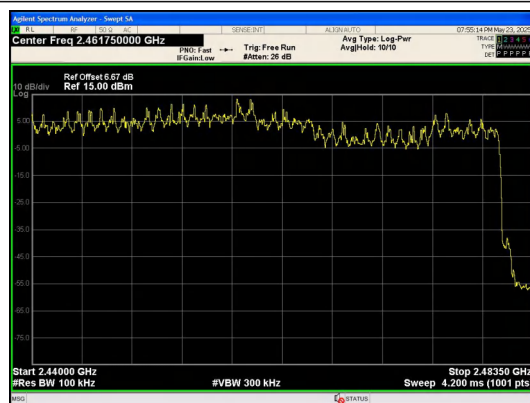
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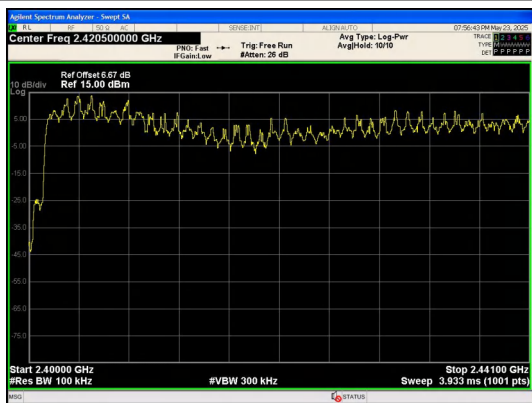
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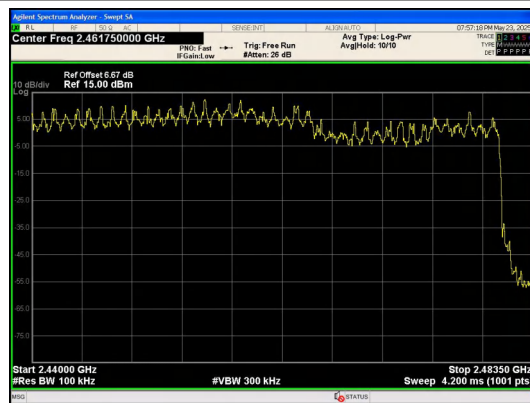
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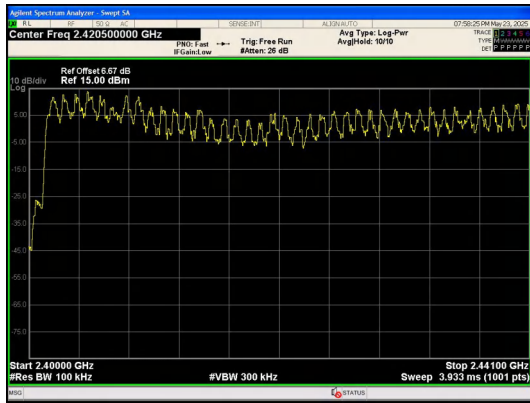
High End Spectrum Channel Hopping Plot
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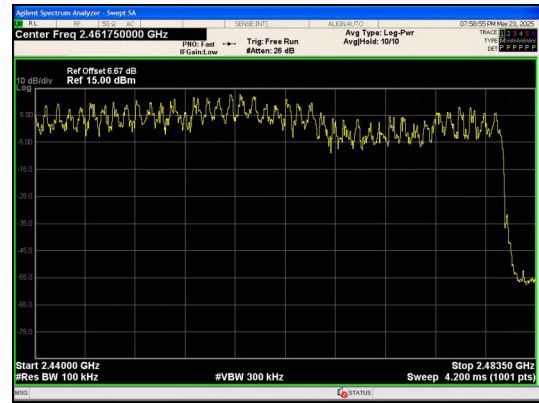
Low End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



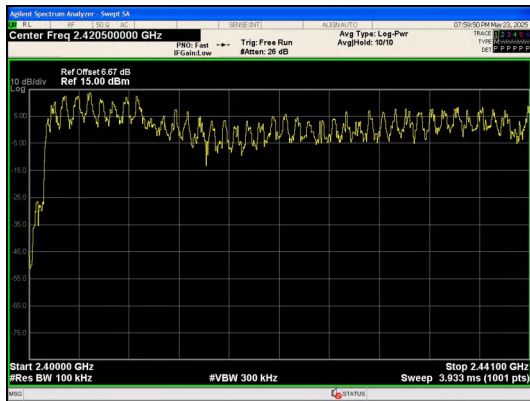
High End Spectrum Channel Hopping Plot
 $\pi/4$ DQPSK



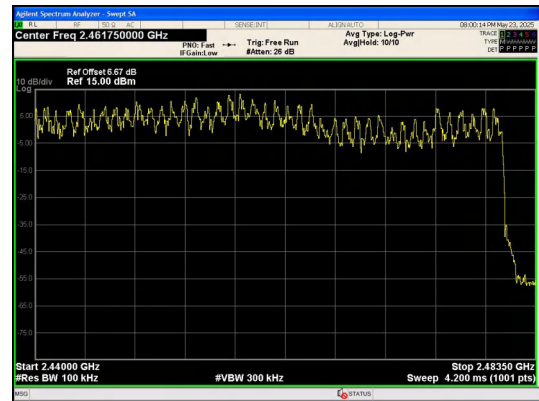
Low End Spectrum Channel Hopping Plot
8DPSK



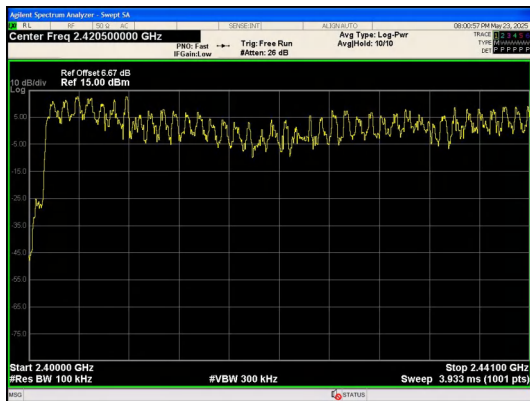
High End Spectrum Channel Hopping Plot
8DPSK



Low End Spectrum Channel Hopping Plot
8DPSK



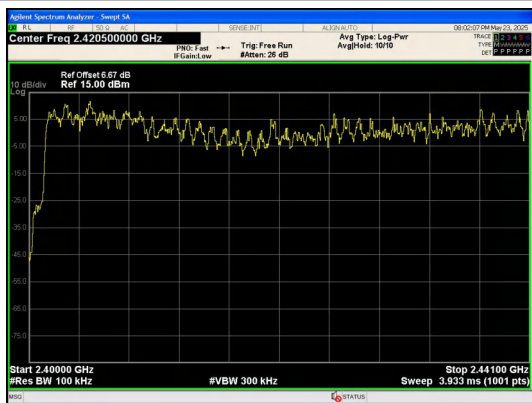
High End Spectrum Channel Hopping Plot
8DPSK



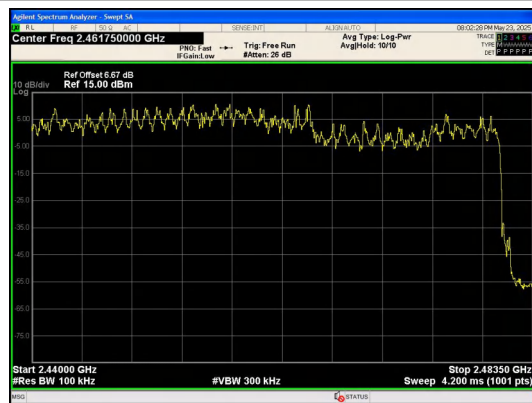
Low End Spectrum Channel Hopping Plot
8DPSK



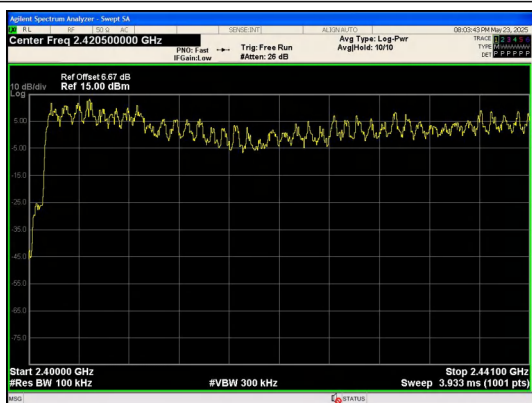
High End Spectrum Channel Hopping Plot
8DPSK



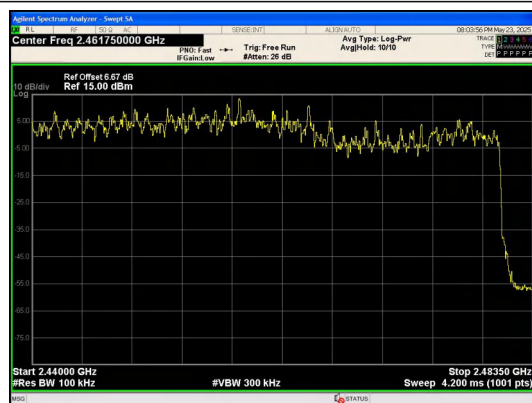
Low End Spectrum Channel Hopping Plot
8DPSK



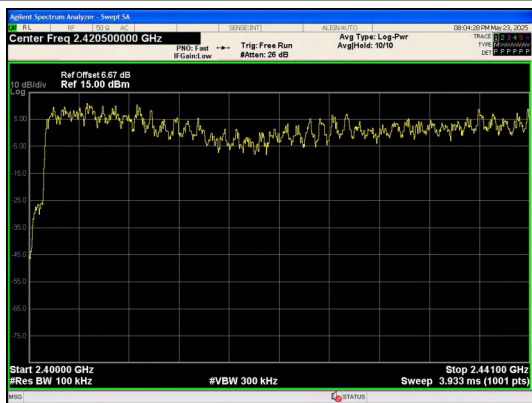
High End Spectrum Channel Hopping Plot
8DPSK



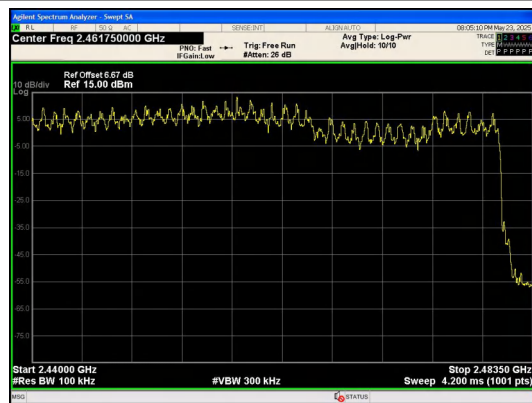
Low End Spectrum Channel Hopping Plot
8DPSK



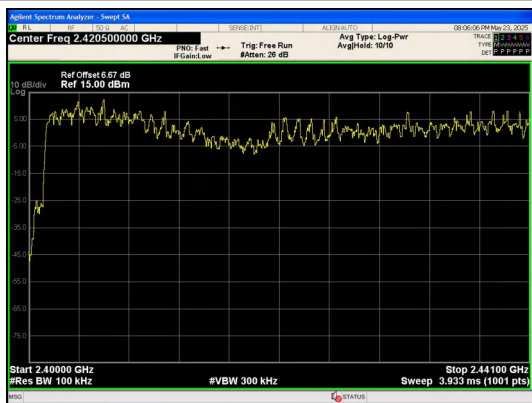
High End Spectrum Channel Hopping Plot
8DPSK



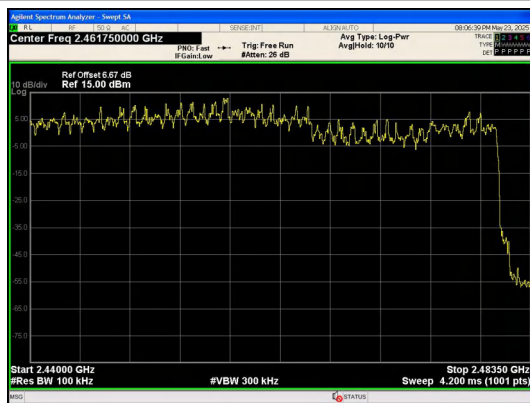
Low End Spectrum Channel Hopping Plot
8DPSK



High End Spectrum Channel Hopping Plot
8DPSK



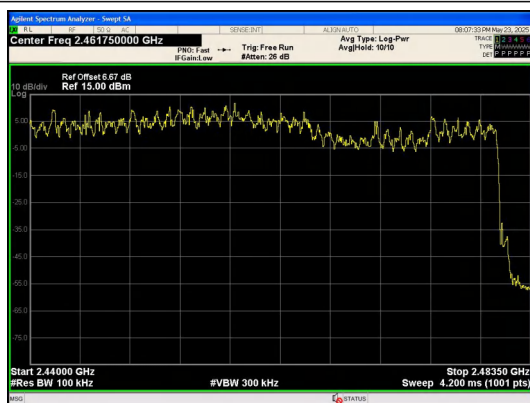
Low End Spectrum Channel Hopping Plot
8DPSK



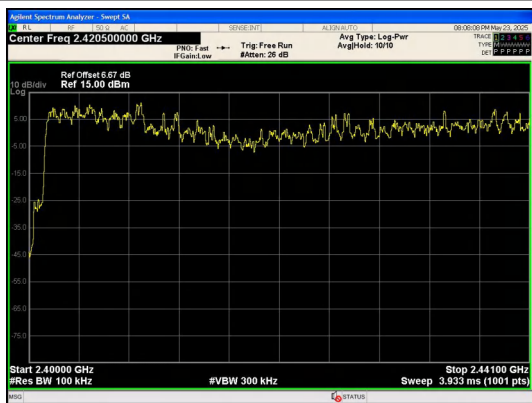
High End Spectrum Channel Hopping Plot
8DPSK



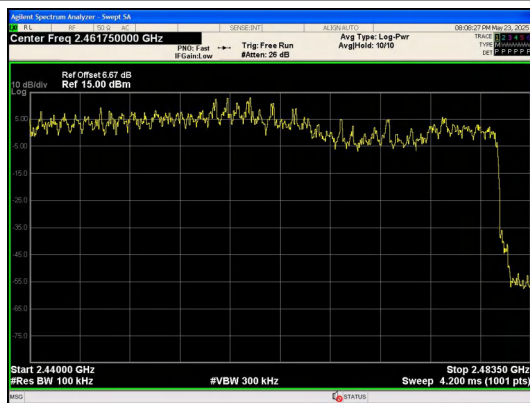
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Duty Cycle and Dwell Time

Duty Cycle Test Result

Modulation	Packets	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)	1/T
GFSK	DH1	0	0.377	1.250	30.20	0.3020	5.1999	2.6525
		39	0.377	1.247	30.21	0.3021	5.1985	2.6525
		78	0.377	1.249	30.16	0.3016	5.2057	2.6525
	DH3	0	1.632	3.747	43.56	0.4356	3.6091	0.6127
		39	1.632	3.747	43.56	0.4356	3.6091	0.6127
		78	1.632	3.749	43.53	0.4353	3.6121	0.6127
	DH5	0	2.880	6.249	46.09	0.4609	3.3639	0.3472
		39	2.880	6.246	46.11	0.4611	3.362	0.3472
		78	2.880	6.249	46.09	0.4609	3.3639	0.3472
$\pi/4$ DQPSK	2-DH1	0	0.385	1.250	30.77	0.3077	5.1187	2.5974
		39	0.385	1.250	30.77	0.3077	5.1187	2.5974
		78	0.385	1.250	30.77	0.3077	5.1187	2.5974
	2-DH3	0	1.636	3.749	43.64	0.4364	3.6012	0.6112
		39	1.634	3.747	43.62	0.4362	3.6031	0.6120
		78	1.636	3.749	43.65	0.4365	3.6002	0.6112
	2-DH5	0	2.883	6.249	46.14	0.4614	3.3592	0.3469
		39	2.883	6.249	46.14	0.4614	3.3592	0.3469
		78	2.886	6.249	46.18	0.4618	3.3555	0.3465
8DPSK	3-DH1	0	0.385	1.249	30.84	0.3084	5.1089	2.5974
		39	0.385	1.249	30.84	0.3084	5.1089	2.5974
		78	0.386	1.250	30.87	0.3087	5.1046	2.5907
	3-DH3	0	1.635	3.749	43.60	0.4360	3.6051	0.6116
		39	1.635	3.749	43.60	0.4360	3.6051	0.6116
		78	1.634	3.747	43.62	0.4362	3.6031	0.6120
	3-DH5	0	2.883	6.246	46.16	0.4616	3.3573	0.3469
		39	2.883	6.246	46.16	0.4616	3.3573	0.3469
		78	2.886	6.249	46.18	0.4618	3.3555	0.3465