

FCC LTE Test Data

FCC ID: 2AP88-SC01

1. Peak-to-Average Ratio

NB-IoT Band 2 PAR [dB]				
Mode	Modulation	Subcarrier Space (KHz)	RB Configure	Middle
				P-A
Band 2 Standalone	BPSK	3.75	1@0	0.48
			1@47	0.46
		15	1@0	1.34
			1@11	1.35
	QPSK	3.75	1@0	0.49
			1@47	0.54
		15	1@0	1.37
			1@11	1.34
			3@3	2.98
Limit				≤13dB

NB-IoT Band 4 PAR [dB]				
Mode	Modulation	Subcarrier Space (KHz)	RB Configure	Middle
				P-A
Band 4 Standalone	BPSK	3.75	1@0	0.91
			1@47	0.58
		15	1@0	1.39
			1@11	1.39
	QPSK	3.75	1@0	0.61
			1@47	0.68
		15	1@0	1.41
			1@11	1.39
			3@3	3.26
Limit				≤13dB

NB-IoT Band 5 PAR [dB]				
Mode	Modulation	Subcarrier Space (KHz)	RB Configure	Middle
				P-A
Band 5 Standalone	BPSK	3.75	1@0	0.43
			1@47	0.40
		15	1@0	1.11
			1@11	1.12
	QPSK	3.75	1@0	0.32
			1@47	0.41
		15	1@0	1.11
			1@11	1.12
			3@3	2.63
Limit				≤13dB

NB-IoT Band 12 PAR [dB]				
Mode	Modulation	Subcarrier Space (KHz)	RB Configure	Middle
				P-A
Band 12 Standalone	BPSK	3.75	1@0	1.45
			1@47	1.50
		15	1@0	4.00
			1@11	0.15
	QPSK	3.75	1@0	1.45
			1@47	1.57
		15	1@0	0.82
			1@11	1.00
			3@3	0.79
Limit				≤13dB

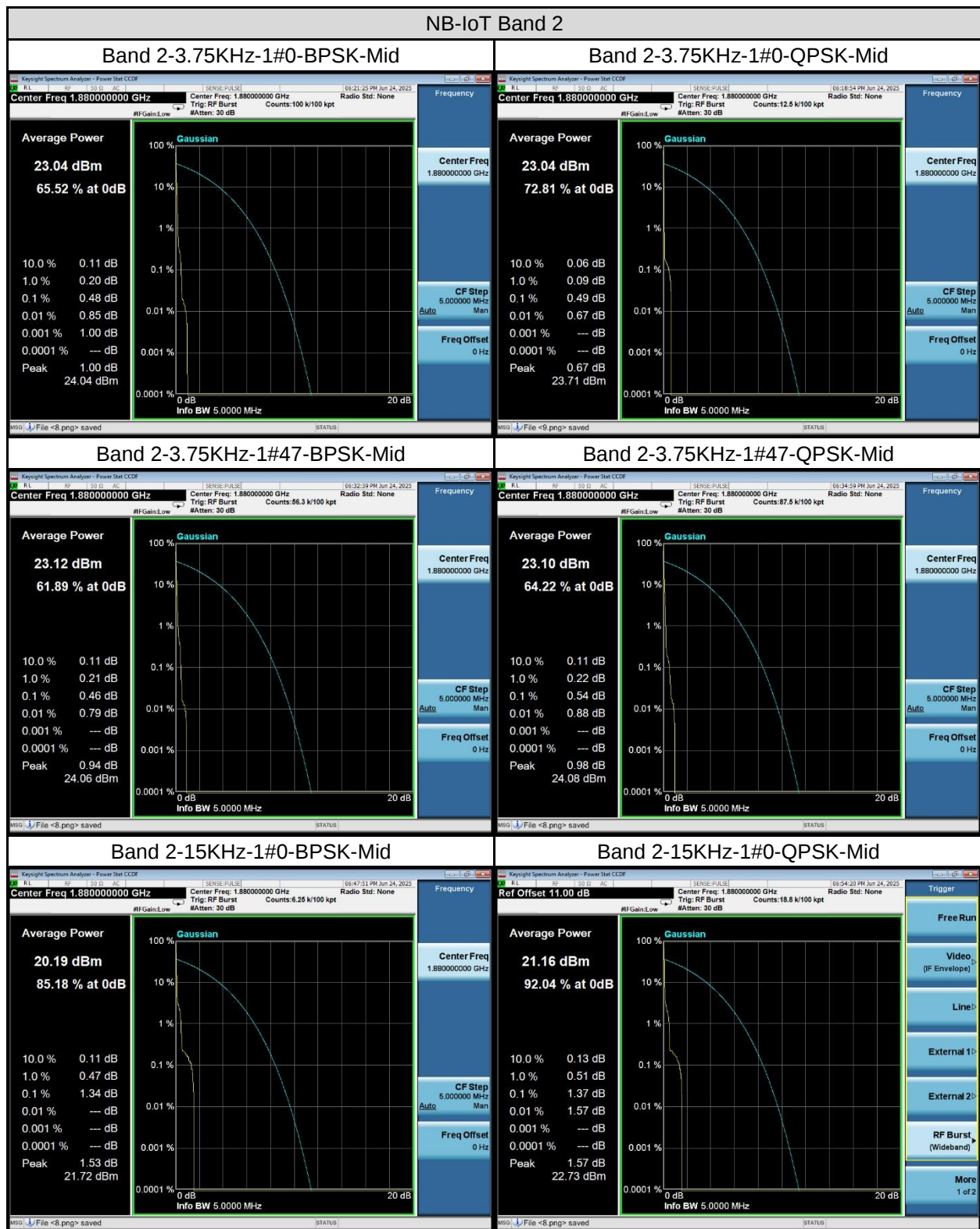
NB-IoT Band 13 PAR [dB]				
Mode	Modulation	Subcarrier Space (KHz)	RB Configure	Middle
				P-A
Band 13 Standalone	BPSK	3.75	1@0	0.42
			1@47	0.48
		15	1@0	1.08
			1@11	1.17
	QPSK	3.75	1@0	0.58
			1@47	0.61
		15	1@0	1.11
			1@11	1.11
			3@3	2.77
Limit				≤13dB

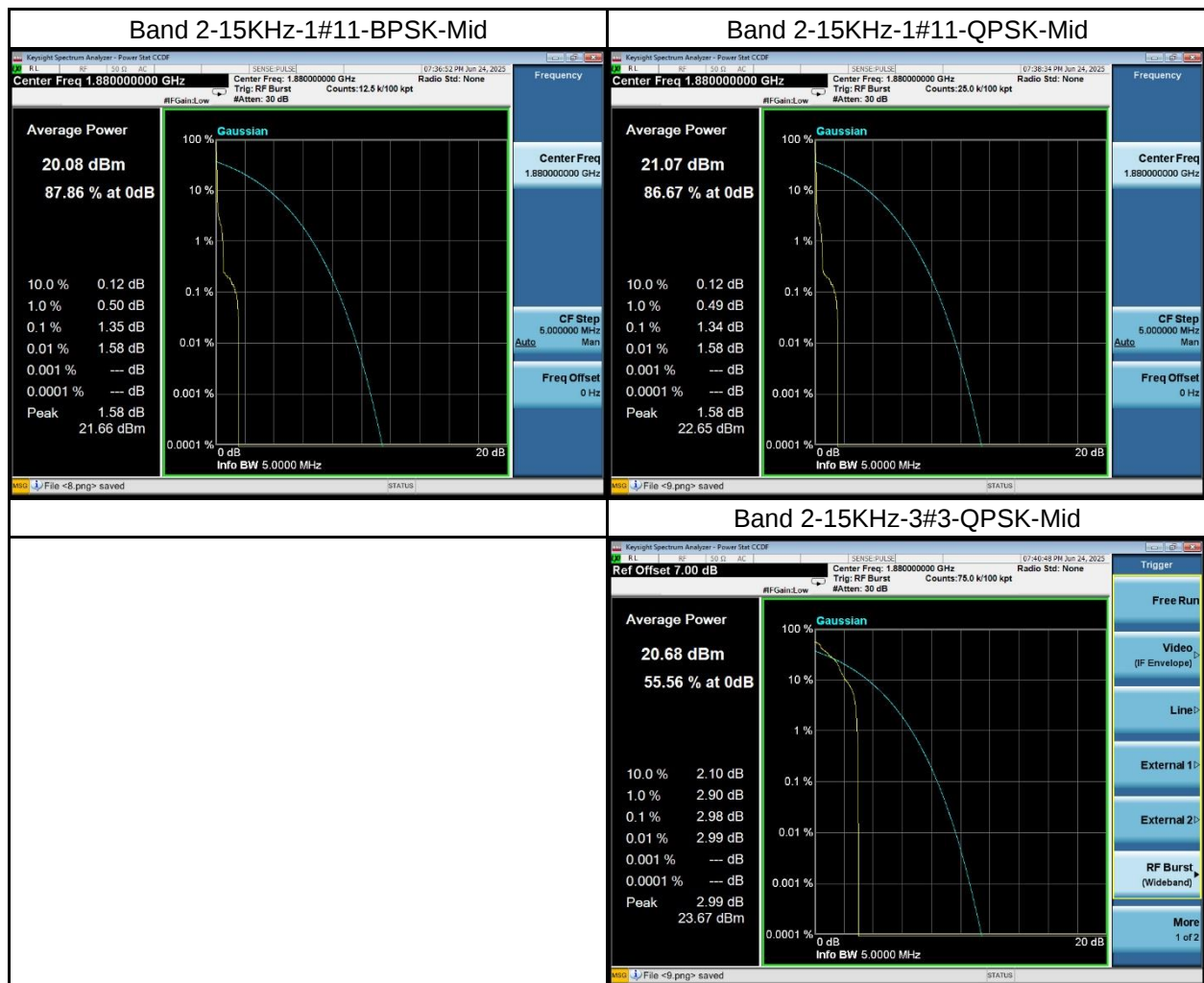
NB-IoT Band 17 PAR [dB]				
Mode	Modulation	Subcarrier Space (KHz)	RB Configure	Middle
				P-A
Band 17 Standalone	BPSK	3.75	1@0	0.77
			1@47	0.73
		15	1@0	1.54
			1@11	1.57
	QPSK	3.75	1@0	0.79
			1@47	0.77
		15	1@0	1.49
			1@11	1.62
			3@3	3.84
Limit				≤13dB

NB-IoT Band 26 PAR [dB]				
Mode	Modulation	Subcarrier Space (KHz)	RB Configure	Middle
				P-A
Band 26 Standalone	BPSK	3.75	1@0	0.42
			1@47	0.39
		15	1@0	1.04
			1@11	1.05
	QPSK	3.75	1@0	0.33
			1@47	0.38
		15	1@0	1.06
			1@11	1.08
			3@3	2.57
Limit				≤13dB

NB-IoT Band 66 PAR [dB]				
Mode	Modulation	Subcarrier Space (KHz)	RB Configure	Middle
				P-A
Band 66 Standalone	BPSK	3.75	1@0	0.62
			1@47	0.61
		15	1@0	1.56
			1@11	1.57
	QPSK	3.75	1@0	0.82
			1@47	0.74
		15	1@0	1.51
			1@11	1.61
			3@3	3.36
Limit				≤13dB

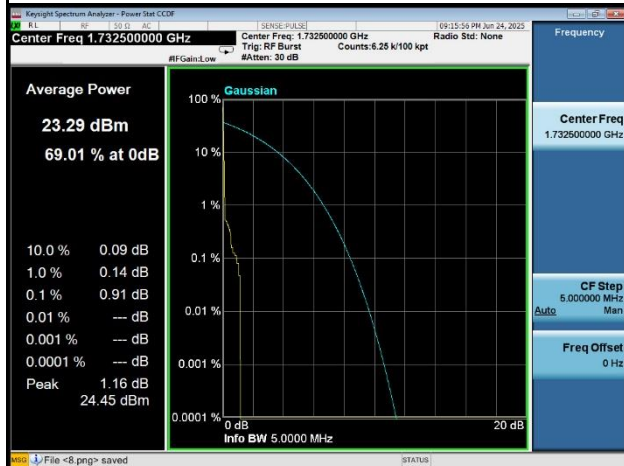
Peak-to-Average Ratio



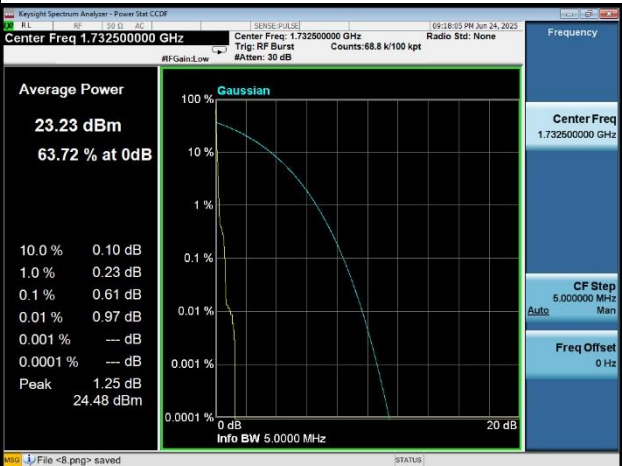


NB-IoT Band 4

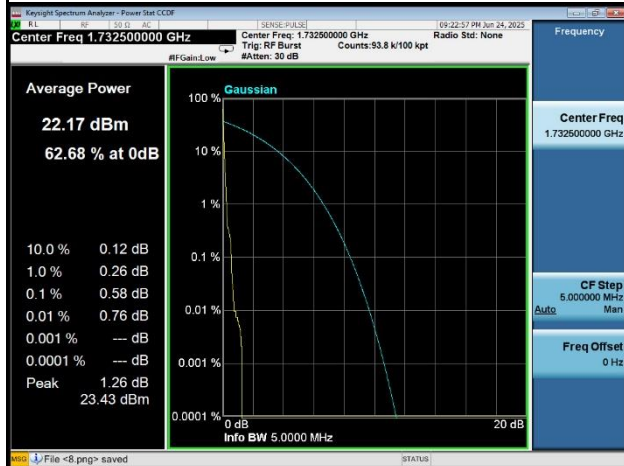
Band 4-3.75KHz-1#0-BPSK-Mid



Band 4-3.75KHz-1#0-QPSK-Mid



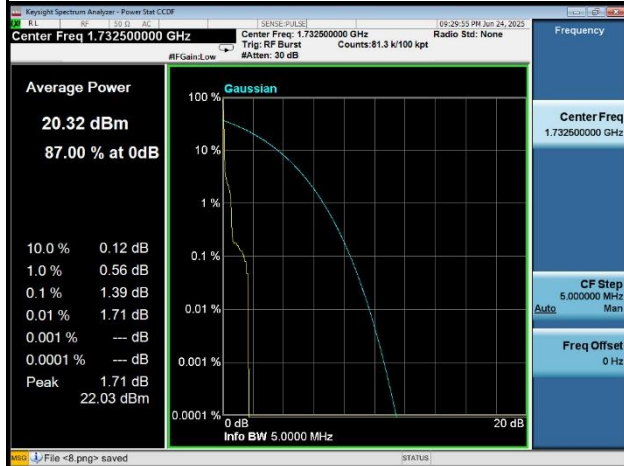
Band 4-3.75KHz-1#47-BPSK-Mid



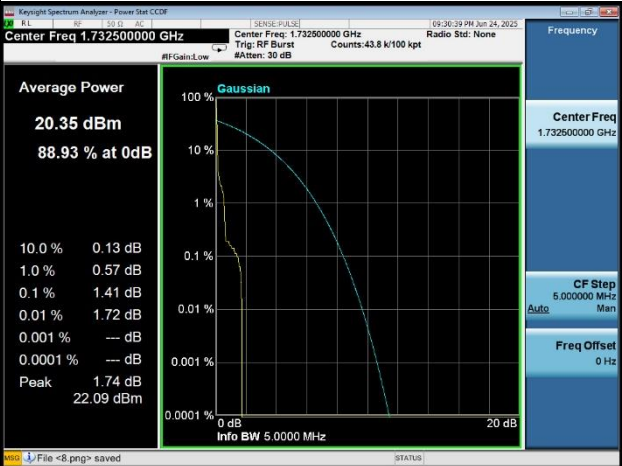
Band 4-3.75KHz-1#47-QPSK-Mid

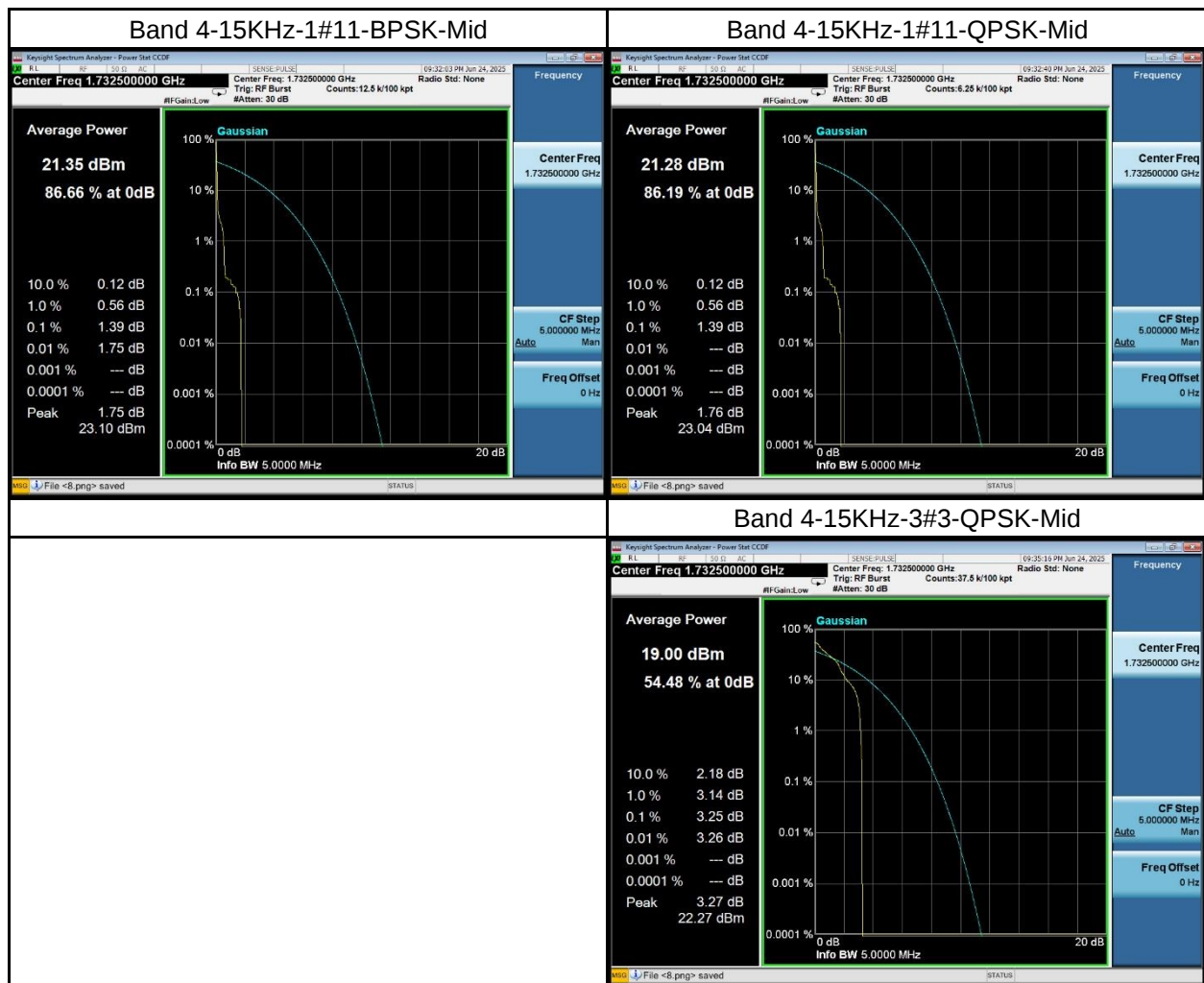


Band 4-15KHz-1#0-BPSK-Mid



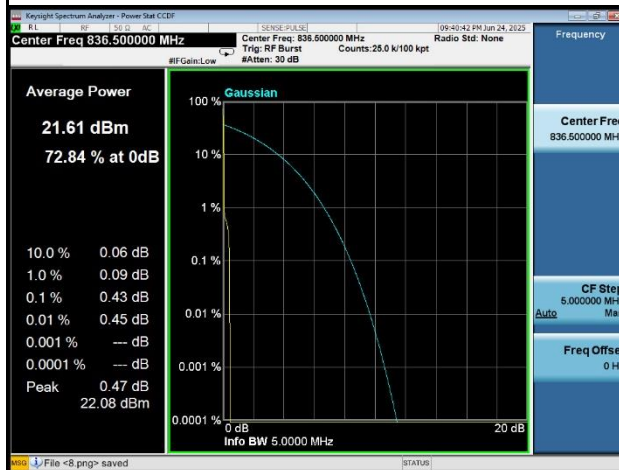
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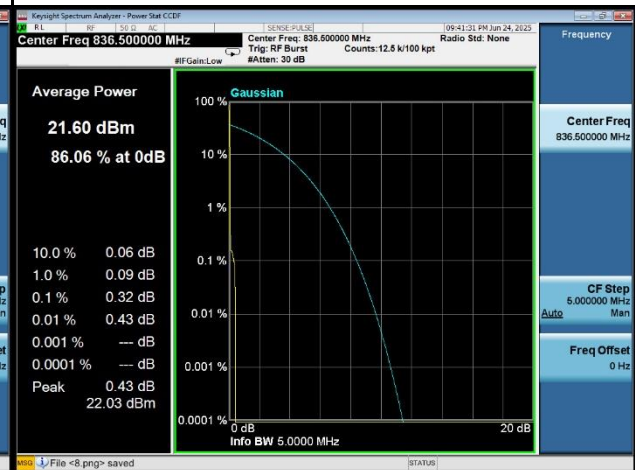


NB-IoT Band 5

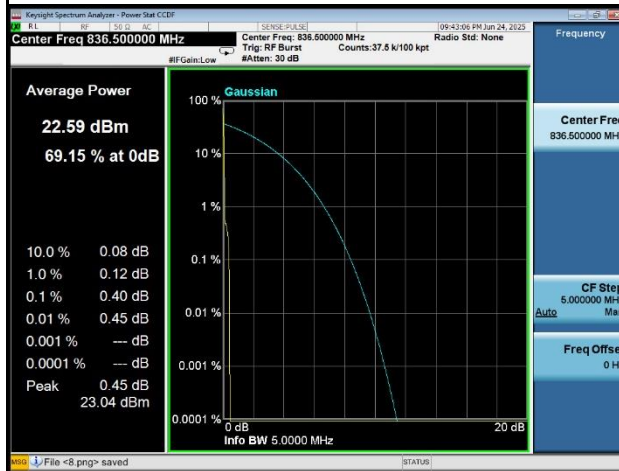
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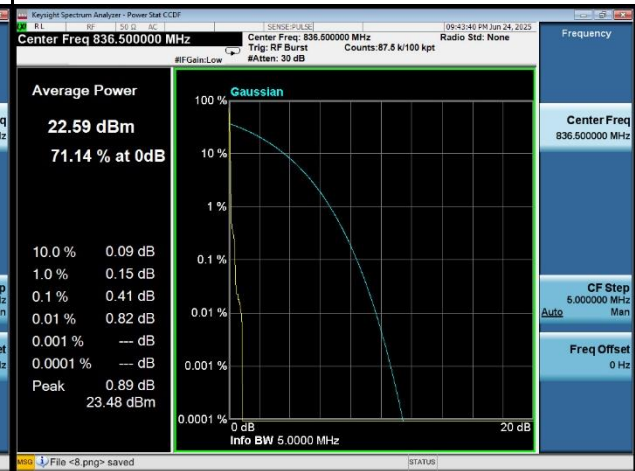
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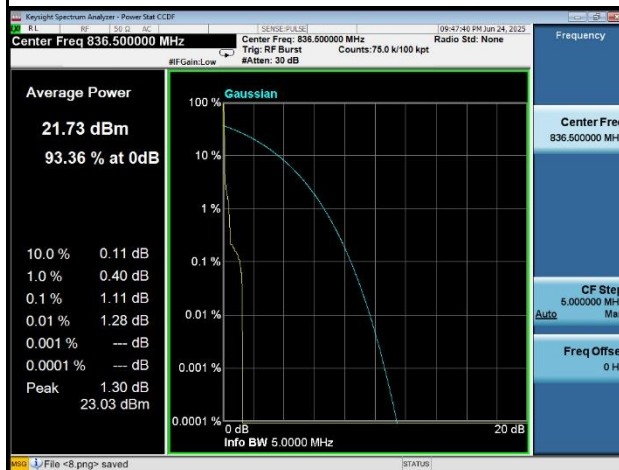
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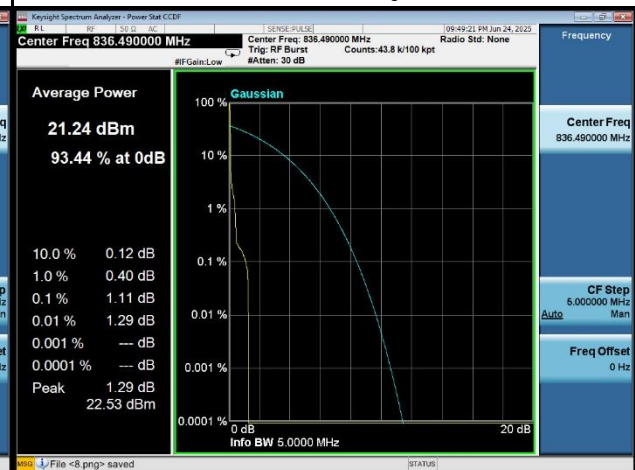
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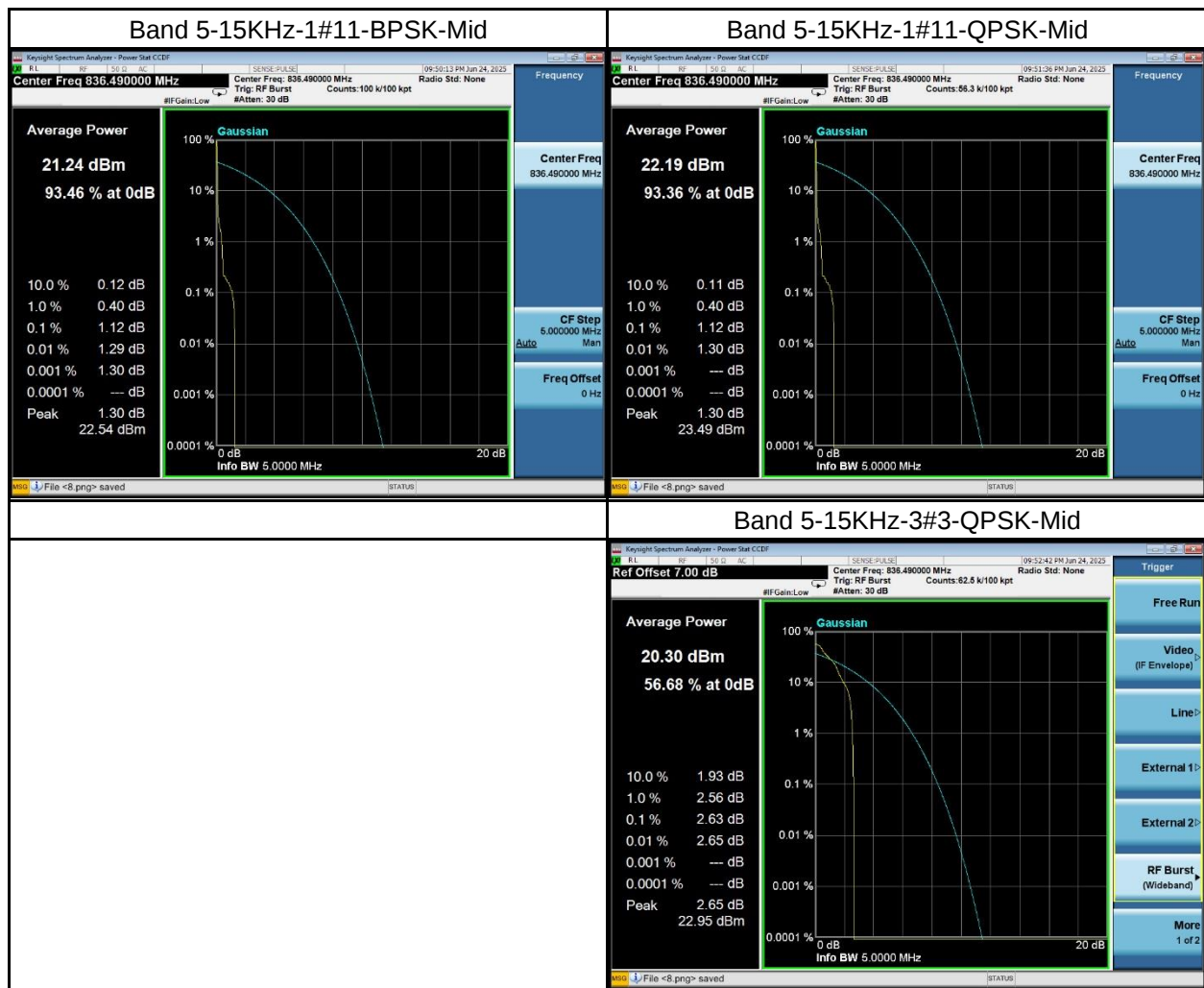


Band 5-15KHz-1#0-BPSK-Mid



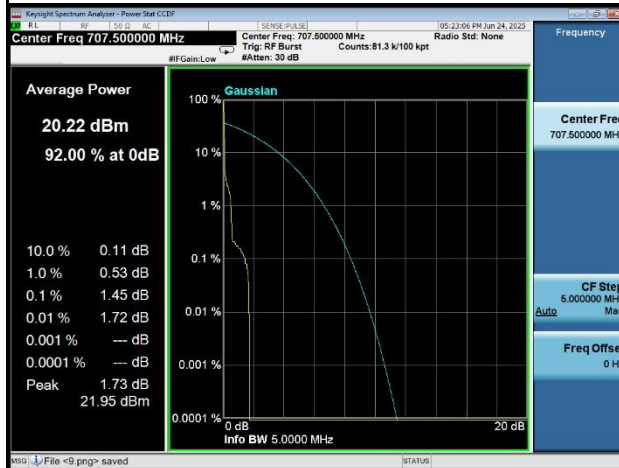
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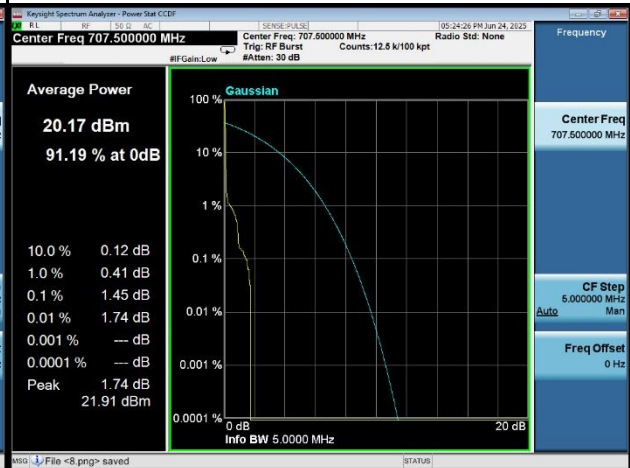


NB-IoT Band 12

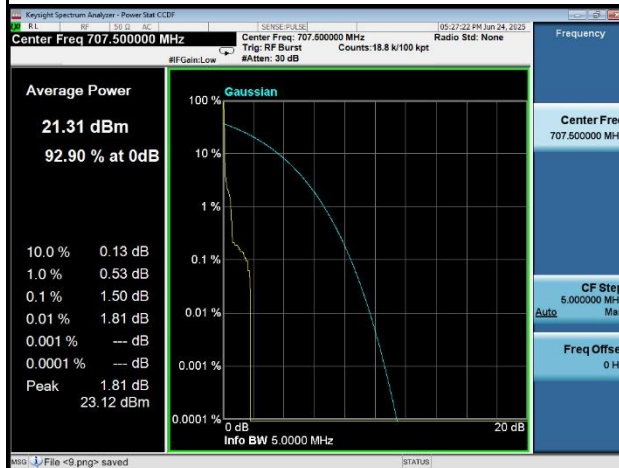
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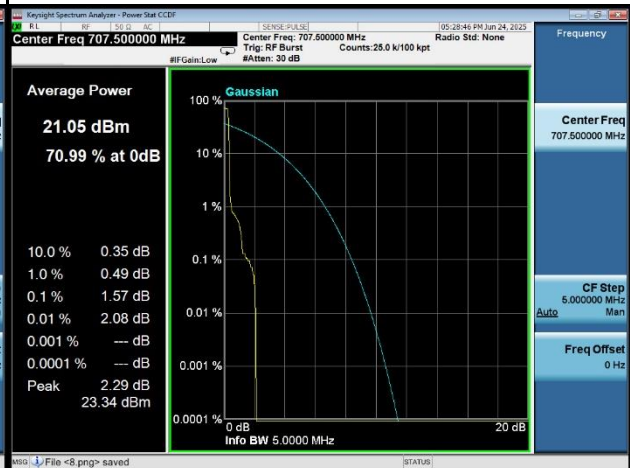
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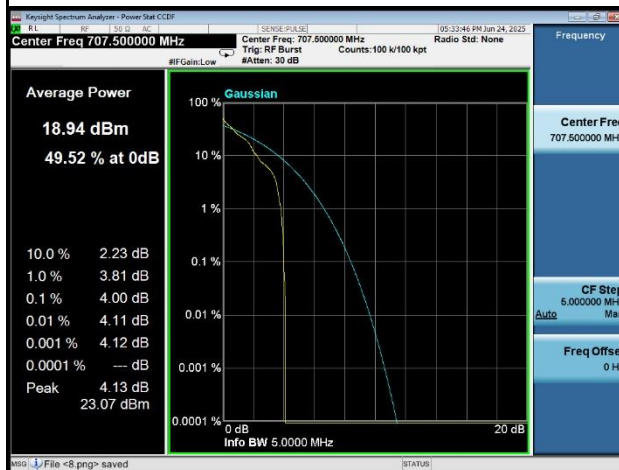
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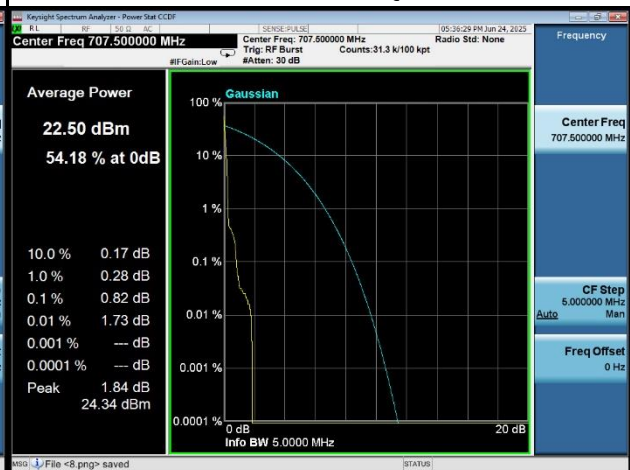
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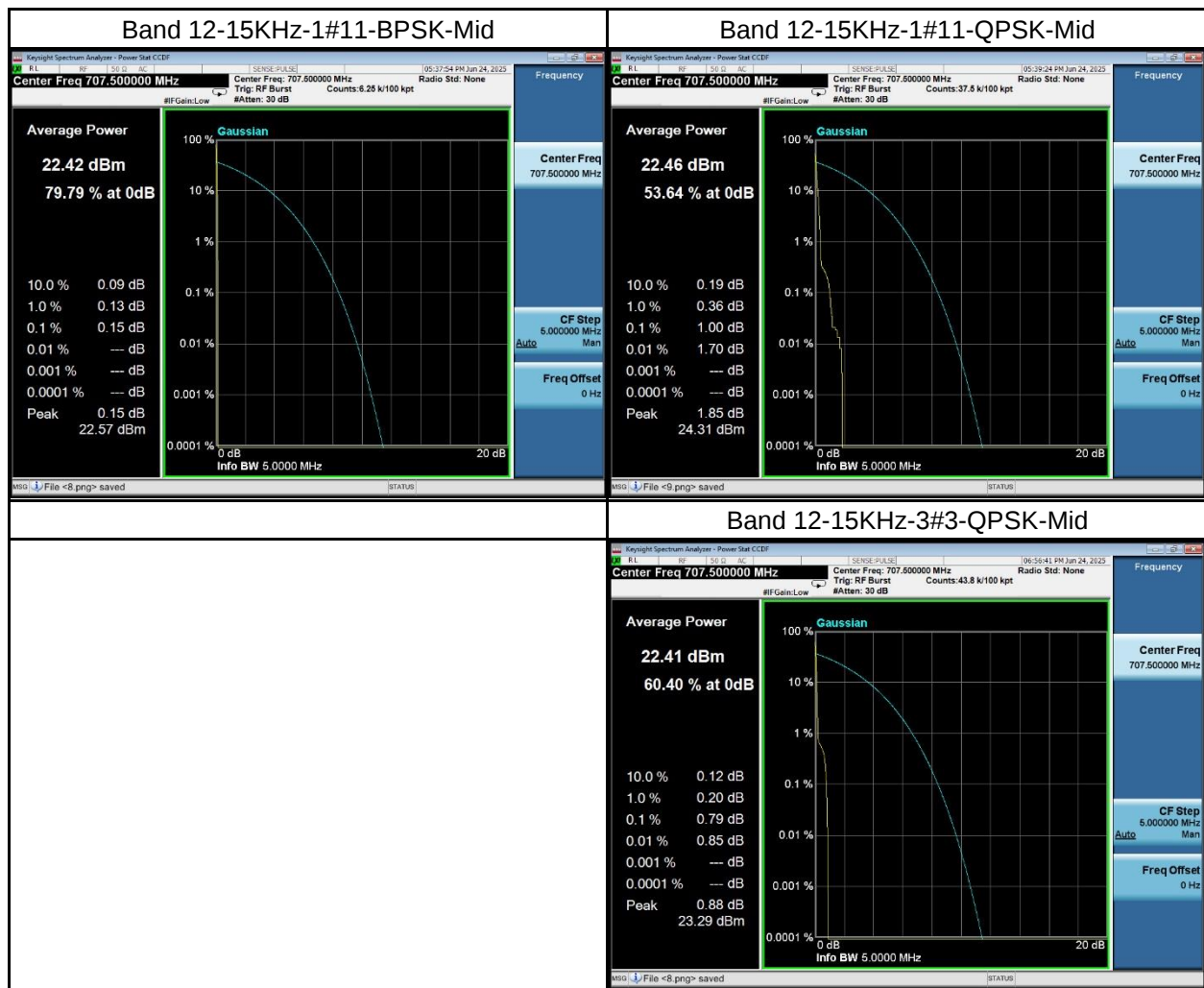


Band 12-15KHz-1#0-BPSK-Mid



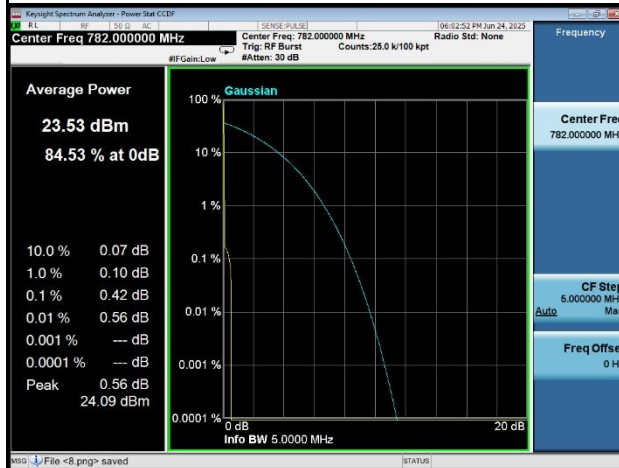
Band 12-15KHz-1#0-QPSK-Mid



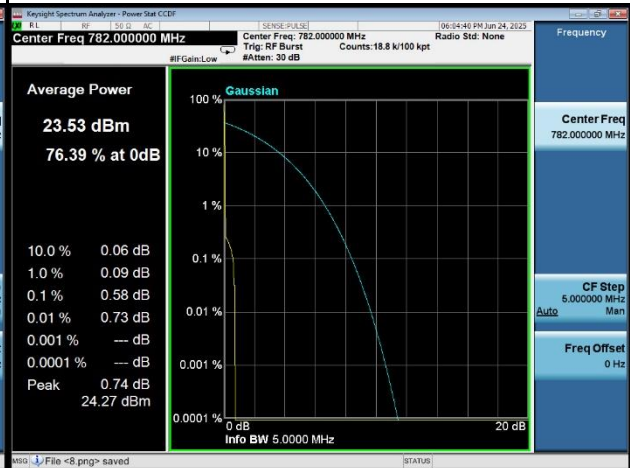


NB-IoT Band 13

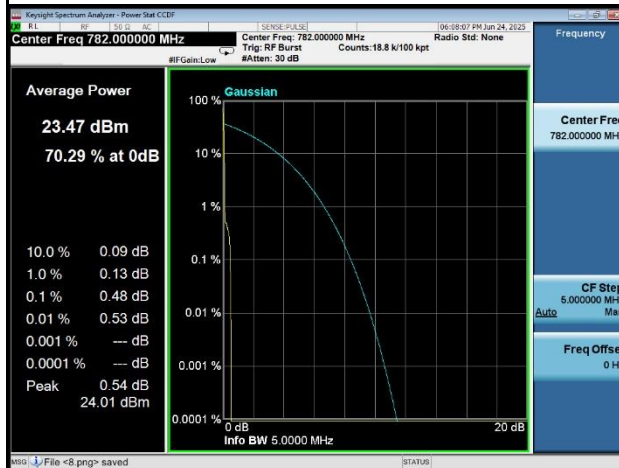
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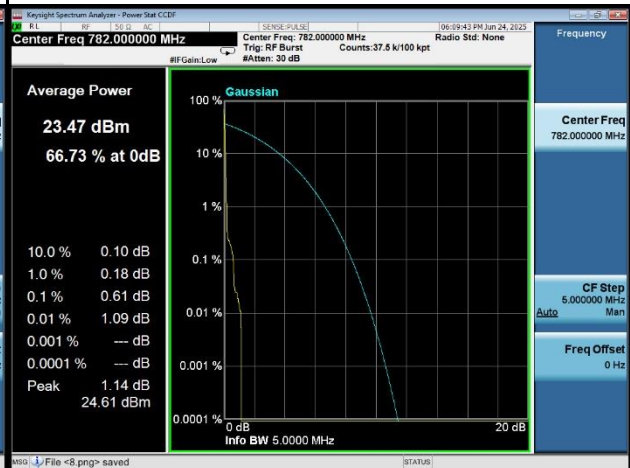
Band 13-3.75KHz-1#0-QPSK-Mid



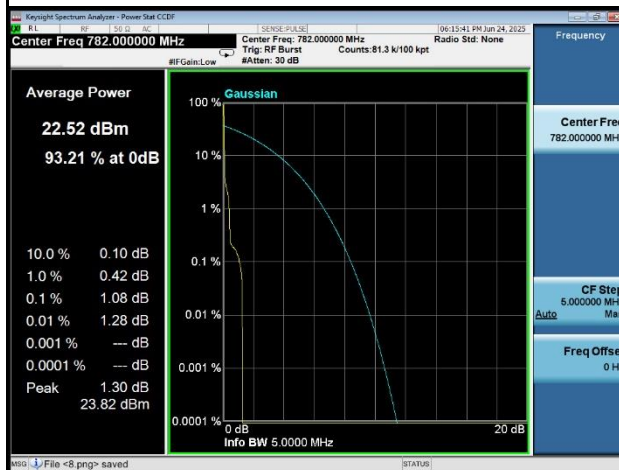
Band 13-3.75KHz-1#47-BPSK-Mid



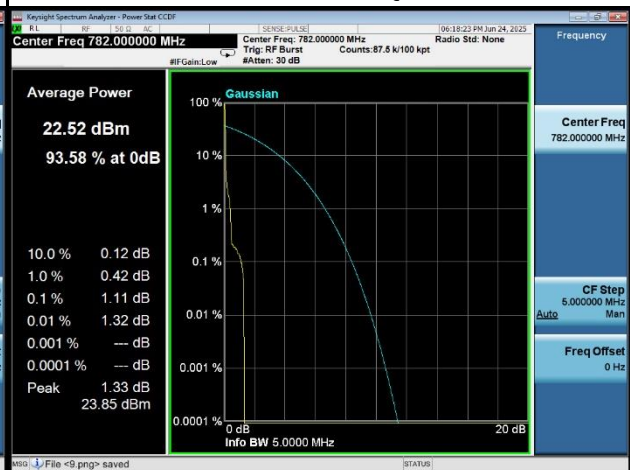
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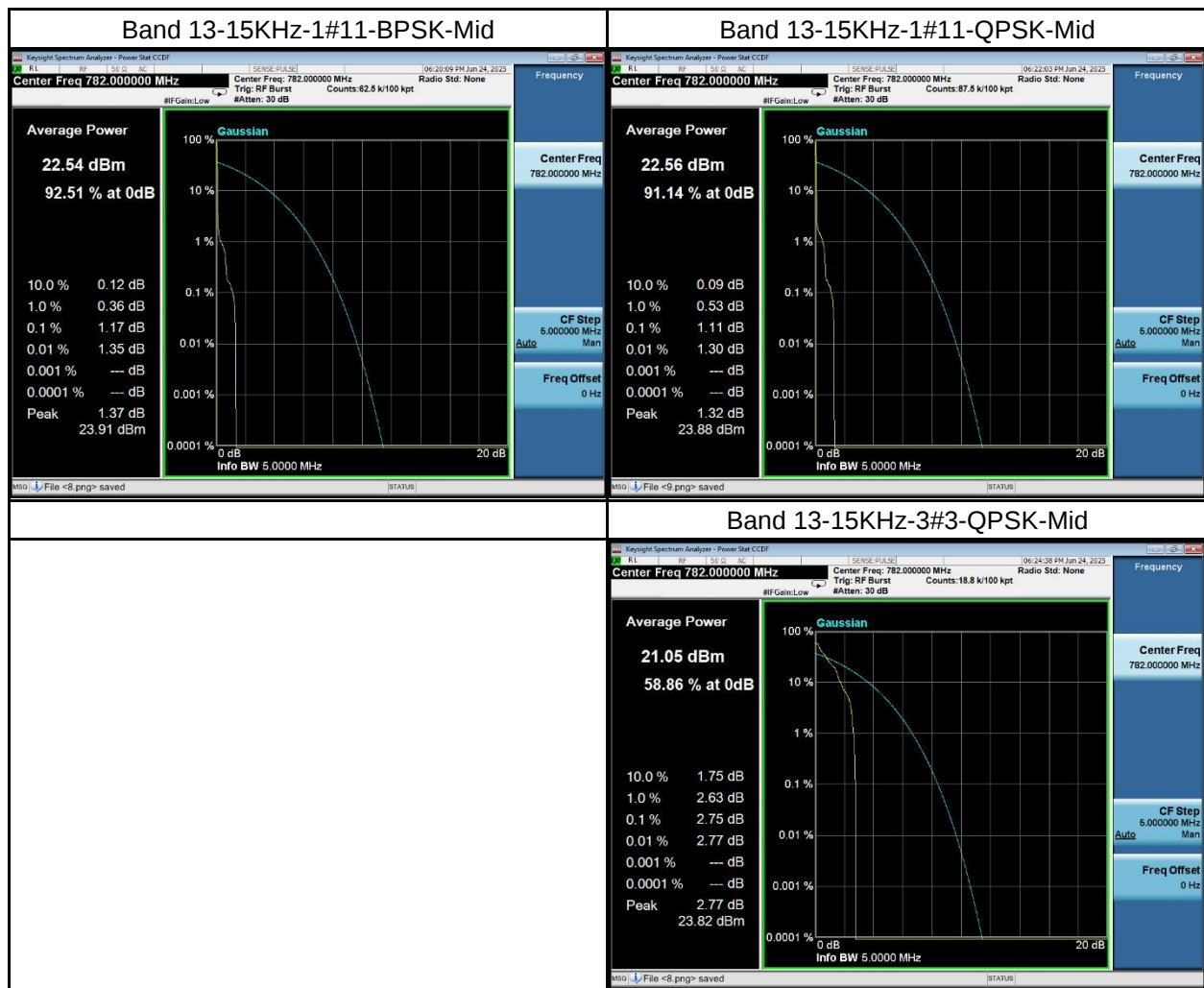


Band 13-15KHz-1#0-BPSK-Mid



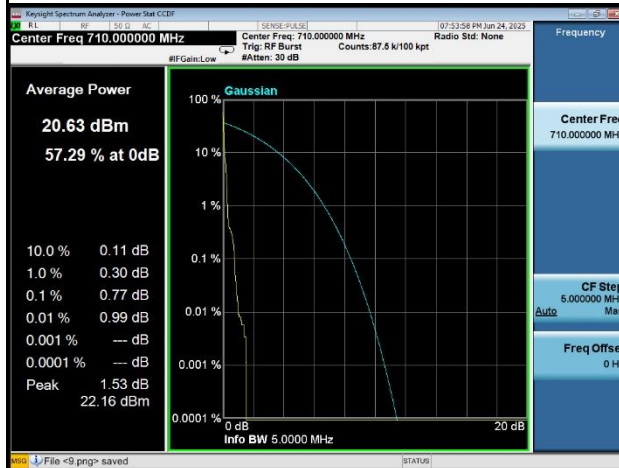
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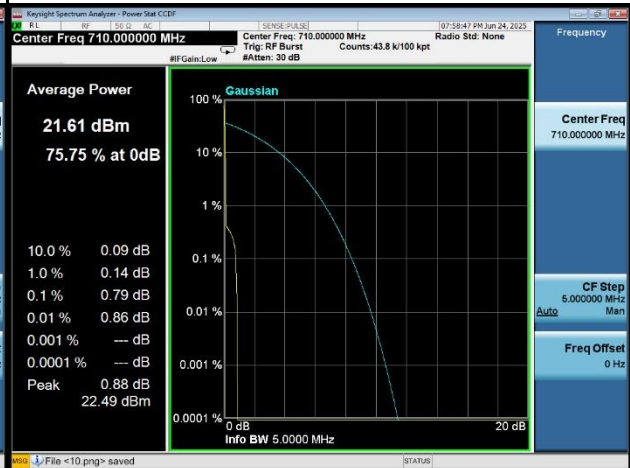


NB-IoT Band 17

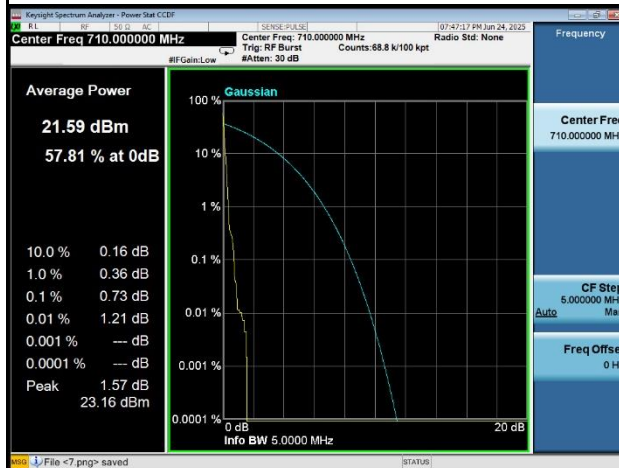
Band 17-3.75KHz-1#0-BPSK-Mid



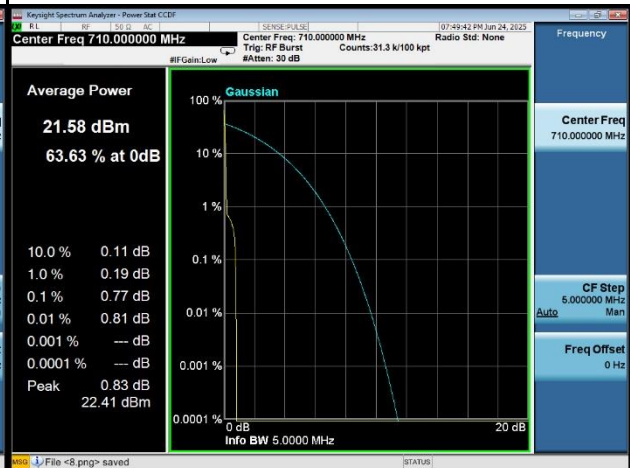
Band 17-3.75KHz-1#0-QPSK-Mid



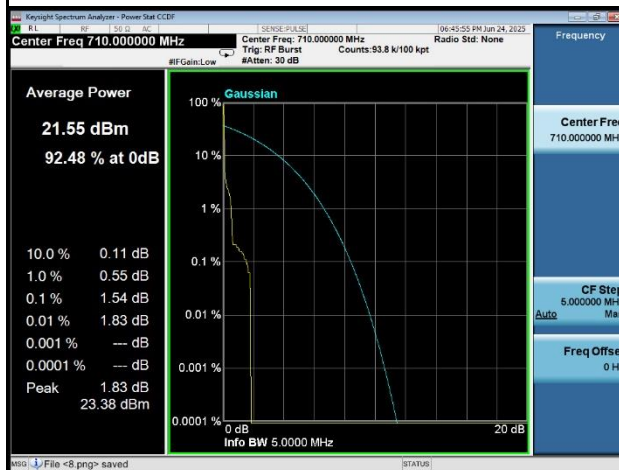
Band 17-3.75KHz-1#47-BPSK-Mid



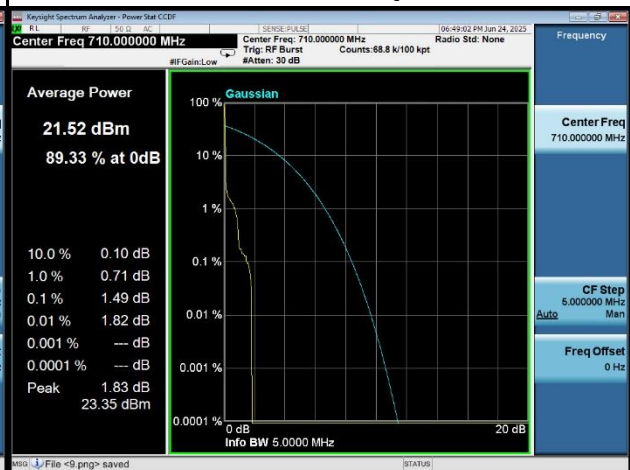
Band 17-3.75KHz-1#47-QPSK-Mid

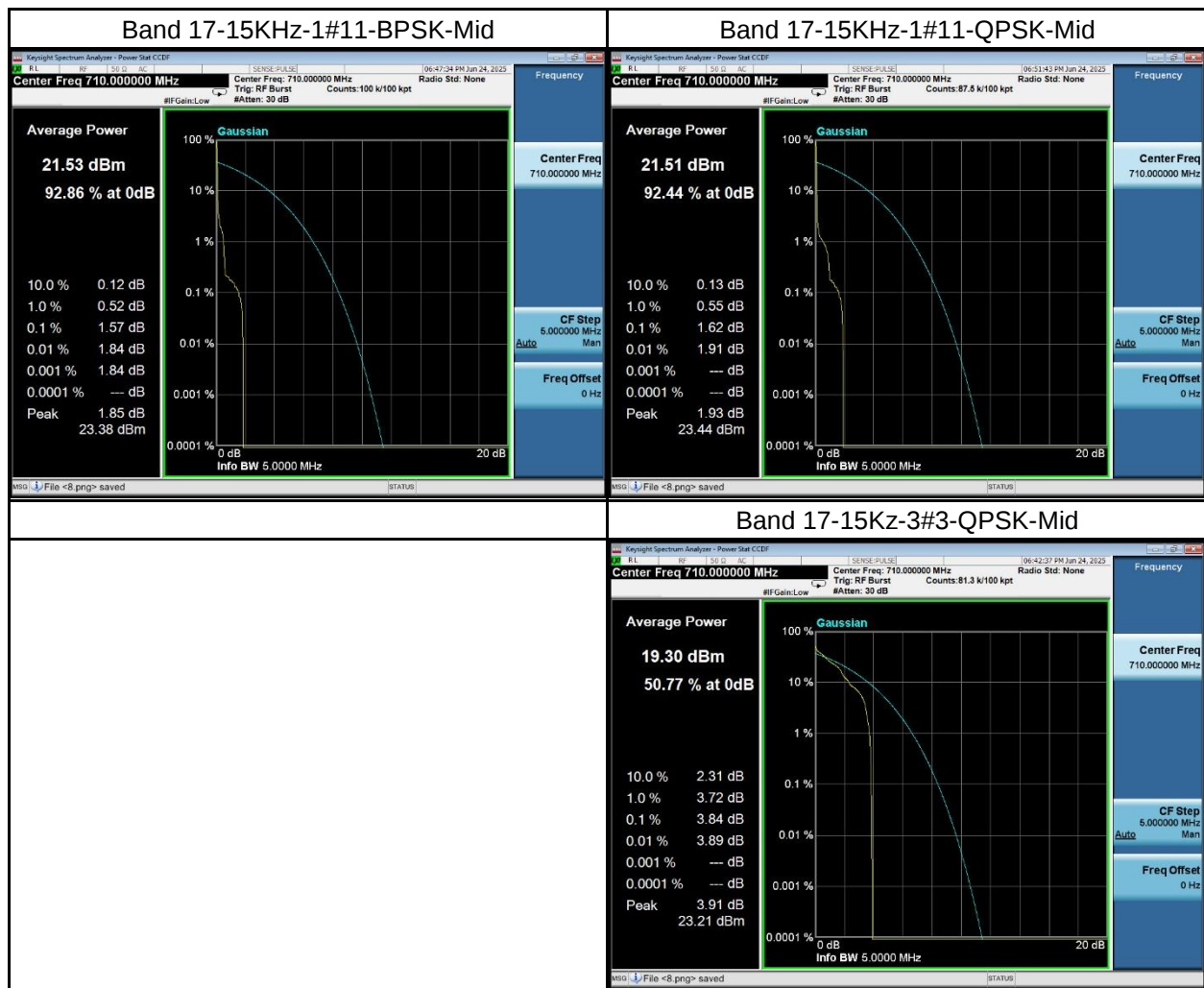


Band 17-15KHz-1#0-BPSK-Mid



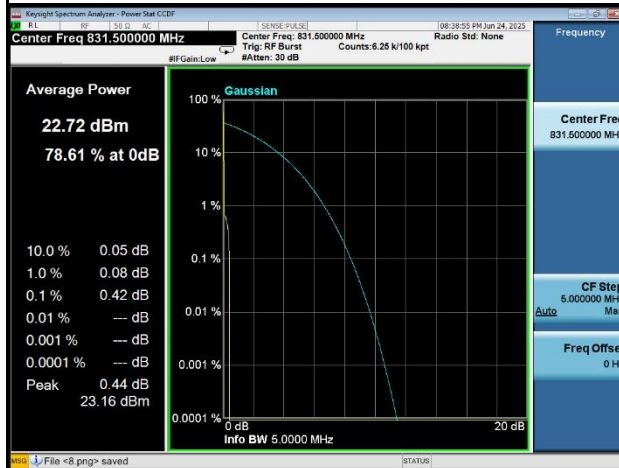
Band 17-15KHz-1#0-QPSK-Mid



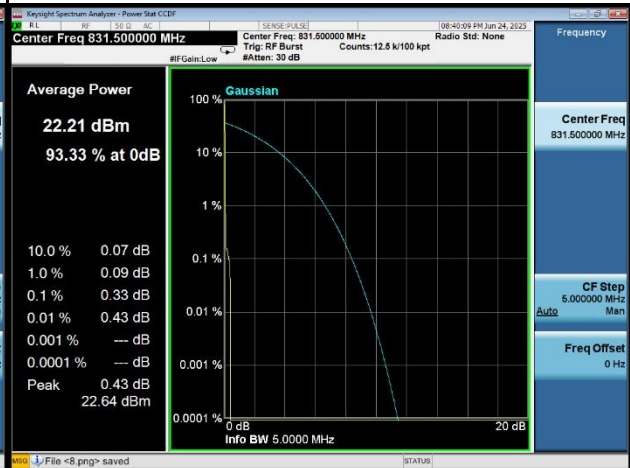


NB-IoT Band 26

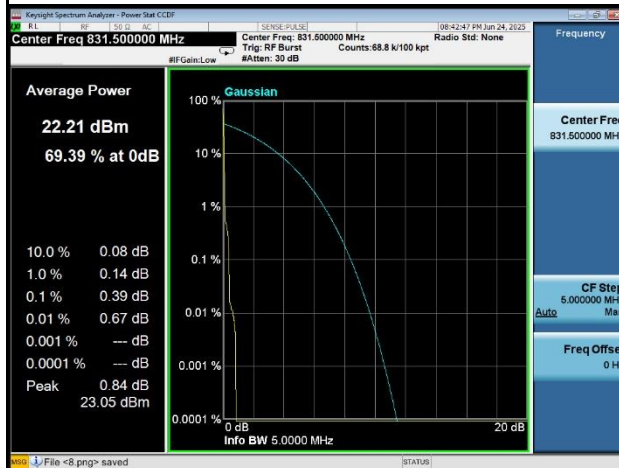
Band 26-3.75KHz-1#0-BPSK-Mid



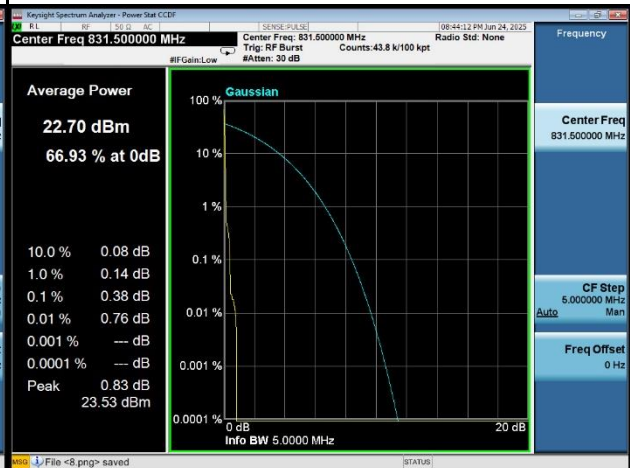
Band 26-3.75KHz-1#0-QPSK-Mid



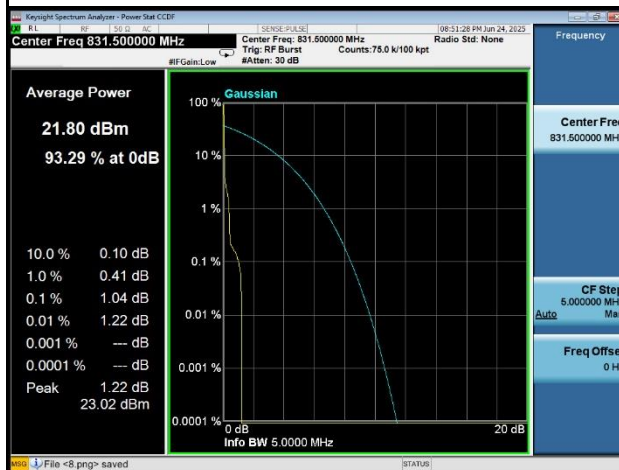
Band 26-3.75KHz-1#47-BPSK-Mid



Band 26-3.75KHz-1#47-QPSK-Mid

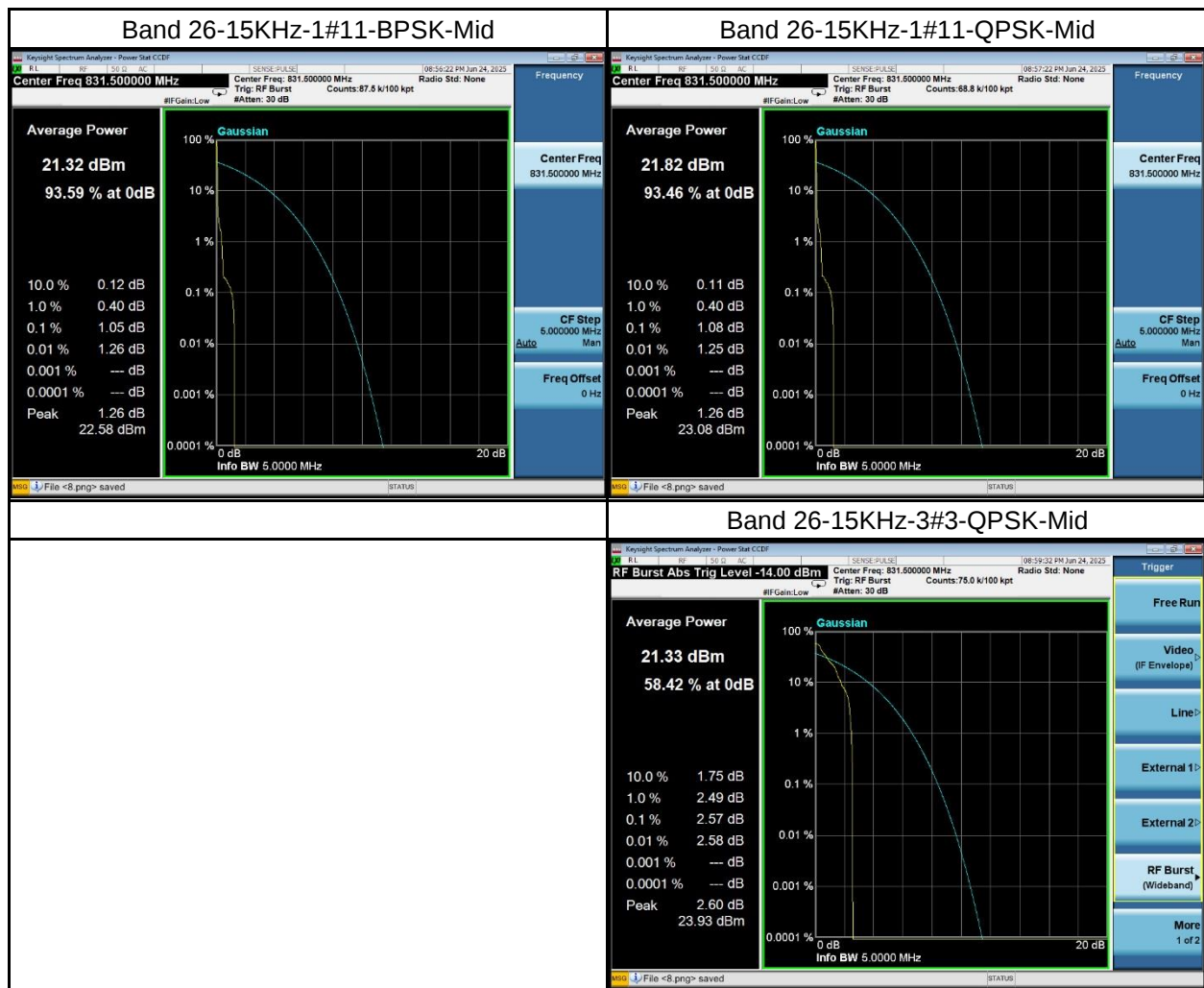


Band 26-15KHz-1#0-BPSK-Mid



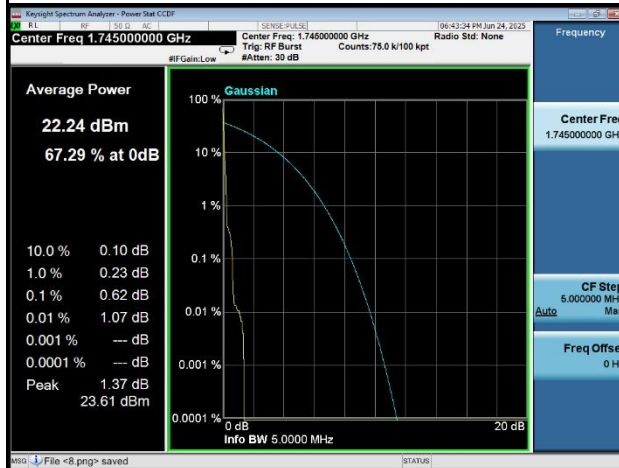
Band 26-15KHz-1#0-QPSK-Mid



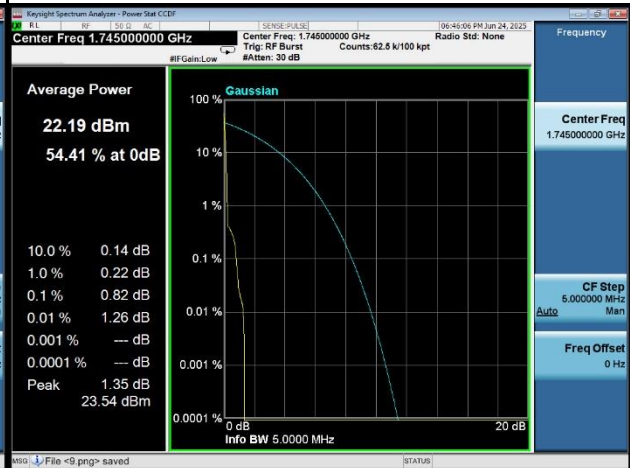


NB-IoT Band 66

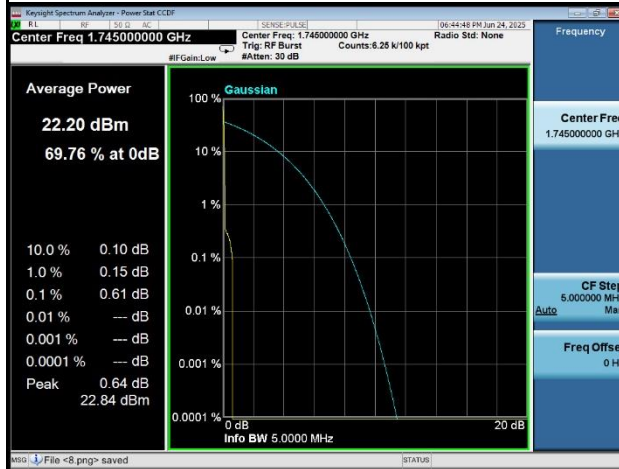
Band 66-3.75KHz-1#0-BPSK-Mid



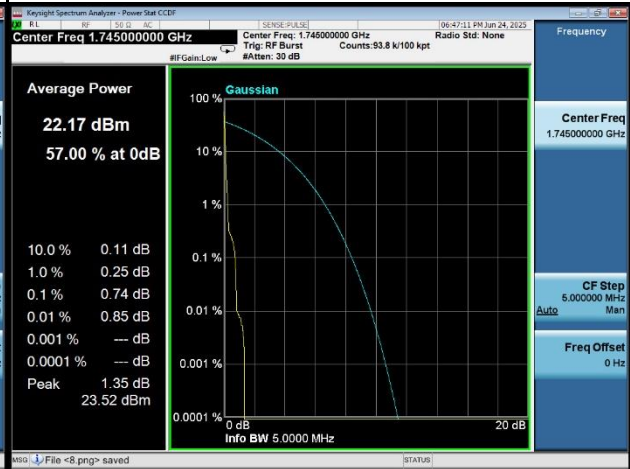
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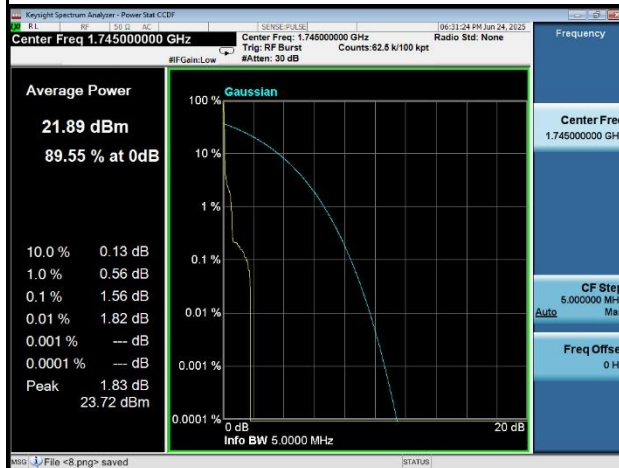
Band 66-3.75KHz-1#47-BPSK-Mid



Band 66-3.75KHz-1#47-QPSK-Mid



Band 66-15KHz-1#0-BPSK-Mid



Band 66-15KHz-1#0-QPSK-Mid

