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FCC LTE-Cat M1 Band66 Test Data

General Description of EUT	
Product Name:	AirSuite Sense LTE
Test Model:	SSCM860
Sample ID:	202303-0011-01-02#
Environmental Conditions	
Temperature:	25℃
Relative Humidity:	55%
Test Voltage:	DC 5V
Test Engineer:	Huang jian ping
Note: For a more detailed features description, please refer to the report **TBR-C-202303-0011-101.** The report only show the worst case data.	

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1: Conducted Power Output Data for M1

1.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NBIndex	Result(dBm)	Verdict
Band66	1.4MHz	131979	QPSK	1	0	Low	23.61	PASS
Band66	1.4MHz	131979	QPSK	1	5	Low	23.83	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	21.82	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	23.64	PASS
Band66	1.4MHz	132322	QPSK	1	5	Low	23.91	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	21.78	PASS
Band66	1.4MHz	132665	QPSK	1	0	High	23.59	PASS
Band66	1.4MHz	132665	QPSK	1	5	High	23.80	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	21.58	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	22.65	PASS
Band66	1.4MHz	131979	16QAM	1	5	Low	22.87	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	21.82	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	22.55	PASS
Band66	1.4MHz	132322	16QAM	1	5	Low	22.78	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	21.79	PASS
Band66	1.4MHz	132665	16QAM	1	0	High	22.62	PASS
Band66	1.4MHz	132665	16QAM	1	5	High	22.80	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	21.58	PASS
Band66	3MHz	131987	QPSK	1	0	Low	23.61	PASS
Band66	3MHz	131987	QPSK	1	5	Low	23.83	PASS
Band66	3MHz	131987	QPSK	6	0	Low	21.75	PASS
Band66	3MHz	132322	QPSK	1	0	Low	23.72	PASS
Band66	3MHz	132322	QPSK	1	5	Low	23.90	PASS
Band66	3MHz	132322	QPSK	6	0	Low	21.75	PASS
Band66	3MHz	132657	QPSK	1	0	High	23.61	PASS
Band66	3MHz	132657	QPSK	1	5	High	23.78	PASS
Band66	3MHz	132657	QPSK	6	0	High	21.76	PASS
Band66	3MHz	131987	16QAM	1	0	Low	22.72	PASS
Band66	3MHz	131987	16QAM	1	5	Low	22.82	PASS
Band66	3MHz	131987	16QAM	6	0	Low	21.76	PASS
Band66	3MHz	132322	16QAM	1	0	Low	22.52	PASS
Band66	3MHz	132322	16QAM	1	5	Low	22.86	PASS
Band66	3MHz	132322	16QAM	6	0	Low	21.67	PASS
Band66	3MHz	132657	16QAM	1	0	High	22.65	PASS
Band66	3MHz	132657	16QAM	1	5	High	22.80	PASS
Band66	3MHz	132657	16QAM	6	0	High	21.61	PASS
Band66	5MHz	131997	QPSK	1	0	Low	23.47	PASS
Band66	5MHz	131997	QPSK	1	5	Low	23.69	PASS
Band66	5MHz	131997	QPSK	6	0	Low	22.76	PASS
Band66	5MHz	132322	QPSK	1	0	Low	23.56	PASS

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Band66	5MHz	132322	QPSK	1	5	Low	23.87	PASS
Band66	5MHz	132322	QPSK	6	0	Low	22.72	PASS
Band66	5MHz	132647	QPSK	1	0	High	23.57	PASS
Band66	5MHz	132647	QPSK	1	5	High	23.65	PASS
Band66	5MHz	132647	QPSK	6	0	High	22.66	PASS
Band66	5MHz	131997	16QAM	1	0	Low	22.73	PASS
Band66	5MHz	131997	16QAM	1	5	Low	23.13	PASS
Band66	5MHz	131997	16QAM	6	0	Low	22.77	PASS
Band66	5MHz	132322	16QAM	1	0	Low	22.72	PASS
Band66	5MHz	132322	16QAM	1	5	Low	22.85	PASS
Band66	5MHz	132322	16QAM	6	0	Low	22.72	PASS
Band66	5MHz	132647	16QAM	1	0	High	22.72	PASS
Band66	5MHz	132647	16QAM	1	5	High	23.02	PASS
Band66	5MHz	132647	16QAM	6	0	High	22.60	PASS
Band66	10MHz	132022	QPSK	1	0	Low	23.53	PASS
Band66	10MHz	132022	QPSK	1	5	Low	23.59	PASS
Band66	10MHz	132022	QPSK	6	0	Low	22.67	PASS
Band66	10MHz	132322	QPSK	1	0	Low	23.60	PASS
Band66	10MHz	132322	QPSK	1	5	Low	23.82	PASS
Band66	10MHz	132322	QPSK	6	0	Low	22.67	PASS
Band66	10MHz	132622	QPSK	1	0	High	23.55	PASS
Band66	10MHz	132622	QPSK	1	5	High	23.69	PASS
Band66	10MHz	132622	QPSK	6	0	High	22.65	PASS
Band66	10MHz	132022	16QAM	1	0	Low	22.74	PASS
Band66	10MHz	132022	16QAM	1	5	Low	22.98	PASS
Band66	10MHz	132022	16QAM	6	0	Low	22.56	PASS
Band66	10MHz	132322	16QAM	1	0	Low	22.79	PASS
Band66	10MHz	132322	16QAM	1	5	Low	22.90	PASS
Band66	10MHz	132322	16QAM	6	0	Low	22.68	PASS
Band66	10MHz	132622	16QAM	1	0	High	22.65	PASS
Band66	10MHz	132622	16QAM	1	5	High	22.97	PASS
Band66	10MHz	132622	16QAM	6	0	High	22.65	PASS
Band66	15MHz	132047	QPSK	1	0	Low	23.58	PASS
Band66	15MHz	132047	QPSK	1	5	Low	23.60	PASS
Band66	15MHz	132047	QPSK	6	0	Low	23.75	PASS
Band66	15MHz	132322	QPSK	1	0	Low	23.64	PASS
Band66	15MHz	132322	QPSK	1	5	Low	23.82	PASS
Band66	15MHz	132322	QPSK	6	0	Low	23.76	PASS
Band66	15MHz	132597	QPSK	1	0	High	23.59	PASS
Band66	15MHz	132597	QPSK	1	5	High	23.68	PASS
Band66	15MHz	132597	QPSK	6	0	High	23.60	PASS
Band66	15MHz	132047	16QAM	1	0	Low	22.77	PASS
Band66	15MHz	132047	16QAM	1	5	Low	23.02	PASS
Band66	15MHz	132047	16QAM	6	0	Low	23.75	PASS
Band66	15MHz	132322	16QAM	1	0	Low	22.81	PASS

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Band66	15MHz	132322	16QAM	1	5	Low	22.91	PASS
Band66	15MHz	132322	16QAM	6	0	Low	23.77	PASS
Band66	15MHz	132597	16QAM	1	0	High	22.75	PASS
Band66	15MHz	132597	16QAM	1	5	High	22.97	PASS
Band66	15MHz	132597	16QAM	6	0	High	23.59	PASS
Band66	20MHz	132072	QPSK	1	0	Low	23.56	PASS
Band66	20MHz	132072	QPSK	1	5	Low	23.66	PASS
Band66	20MHz	132072	QPSK	6	0	Low	23.74	PASS
Band66	20MHz	132322	QPSK	1	0	Low	23.62	PASS
Band66	20MHz	132322	QPSK	1	5	Low	23.86	PASS
Band66	20MHz	132322	QPSK	6	0	Low	23.67	PASS
Band66	20MHz	132572	QPSK	1	0	High	23.53	PASS
Band66	20MHz	132572	QPSK	1	5	High	23.68	PASS
Band66	20MHz	132572	QPSK	6	0	High	23.60	PASS
Band66	20MHz	132072	16QAM	1	0	Low	22.72	PASS
Band66	20MHz	132072	16QAM	1	5	Low	23.03	PASS
Band66	20MHz	132072	16QAM	6	0	Low	23.74	PASS
Band66	20MHz	132322	16QAM	1	0	Low	22.82	PASS
Band66	20MHz	132322	16QAM	1	5	Low	22.85	PASS
Band66	20MHz	132322	16QAM	6	0	Low	23.67	PASS
Band66	20MHz	132572	16QAM	1	0	High	22.62	PASS
Band66	20MHz	132572	16QAM	1	5	High	23.00	PASS
Band66	20MHz	132572	16QAM	6	0	High	23.60	PASS

2: Peak-to-Average Ratio(CCDF) for M1

2.1 Test Result

Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NBIndex	Result(dB)	Limit(dB)	Verdict
Band66	1.4MHz	131979	QPSK	1	0	Low	9.41	<=13	PASS
Band66	1.4MHz	131979	QPSK	6	0	Low	12.51	<=13	PASS
Band66	1.4MHz	132322	QPSK	1	0	Low	9.24	<=13	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	10.03	<=13	PASS
Band66	1.4MHz	132665	QPSK	1	0	High	9.62	<=13	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	10.21	<=13	PASS
Band66	1.4MHz	131979	16QAM	1	0	Low	11.79	<=13	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	10.50	<=13	PASS
Band66	1.4MHz	132322	16QAM	1	0	Low	10.63	<=13	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	9.54	<=13	PASS
Band66	1.4MHz	132665	16QAM	1	0	High	9.52	<=13	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	9.64	<=13	PASS
Band66	3MHz	131987	QPSK	1	0	Low	8.95	<=13	PASS
Band66	3MHz	131987	QPSK	6	0	Low	9.86	<=13	PASS
Band66	3MHz	132322	QPSK	1	0	Low	9.37	<=13	PASS
Band66	3MHz	132322	QPSK	6	0	Low	9.53	<=13	PASS
Band66	3MHz	132657	QPSK	1	0	High	8.70	<=13	PASS
Band66	3MHz	132657	QPSK	6	0	High	9.28	<=13	PASS
Band66	3MHz	131987	16QAM	1	0	Low	10.43	<=13	PASS
Band66	3MHz	131987	16QAM	6	0	Low	10.87	<=13	PASS
Band66	3MHz	132322	16QAM	1	0	Low	10.43	<=13	PASS
Band66	3MHz	132322	16QAM	6	0	Low	9.46	<=13	PASS
Band66	3MHz	132657	16QAM	1	0	High	10.33	<=13	PASS
Band66	3MHz	132657	16QAM	6	0	High	9.93	<=13	PASS
Band66	5MHz	131997	QPSK	1	0	Low	9.59	<=13	PASS
Band66	5MHz	131997	QPSK	6	0	Low	9.53	<=13	PASS
Band66	5MHz	132322	QPSK	1	0	Low	9.09	<=13	PASS
Band66	5MHz	132322	QPSK	6	0	Low	9.15	<=13	PASS
Band66	5MHz	132647	QPSK	1	0	High	8.78	<=13	PASS
Band66	5MHz	132647	QPSK	6	0	High	10.91	<=13	PASS
Band66	5MHz	131997	16QAM	1	0	Low	11.51	<=13	PASS
Band66	5MHz	131997	16QAM	6	0	Low	9.56	<=13	PASS
Band66	5MHz	132322	16QAM	1	0	Low	11.16	<=13	PASS
Band66	5MHz	132322	16QAM	6	0	Low	9.35	<=13	PASS
Band66	5MHz	132647	16QAM	1	0	High	10.11	<=13	PASS
Band66	5MHz	132647	16QAM	6	0	High	11.83	<=13	PASS
Band66	10MHz	132022	QPSK	1	0	Low	9.39	<=13	PASS
Band66	10MHz	132022	QPSK	6	0	Low	9.04	<=13	PASS
Band66	10MHz	132322	QPSK	1	0	Low	8.49	<=13	PASS
Band66	10MHz	132322	QPSK	6	0	Low	11.51	<=13	PASS
Band66	10MHz	132622	QPSK	1	0	High	9.31	<=13	PASS

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Band66	10MHz	132622	QPSK	6	0	High	8.89	<=13	PASS
Band66	10MHz	132022	16QAM	1	0	Low	11.76	<=13	PASS
Band66	10MHz	132022	16QAM	6	0	Low	9.13	<=13	PASS
Band66	10MHz	132322	16QAM	1	0	Low	9.46	<=13	PASS
Band66	10MHz	132322	16QAM	6	0	Low	9.51	<=13	PASS
Band66	10MHz	132622	16QAM	1	0	High	10.74	<=13	PASS
Band66	10MHz	132622	16QAM	6	0	High	9.55	<=13	PASS
Band66	15MHz	132047	QPSK	1	0	Low	9.41	<=13	PASS
Band66	15MHz	132047	QPSK	6	0	Low	9.41	<=13	PASS
Band66	15MHz	132322	QPSK	1	0	Low	10.28	<=13	PASS
Band66	15MHz	132322	QPSK	6	0	Low	9.35	<=13	PASS
Band66	15MHz	132597	QPSK	1	0	High	9.37	<=13	PASS
Band66	15MHz	132597	QPSK	6	0	High	9.98	<=13	PASS
Band66	15MHz	132047	16QAM	1	0	Low	10.81	<=13	PASS
Band66	15MHz	132047	16QAM	6	0	Low	9.68	<=13	PASS
Band66	15MHz	132322	16QAM	1	0	Low	10.25	<=13	PASS
Band66	15MHz	132322	16QAM	6	0	Low	10.07	<=13	PASS
Band66	15MHz	132597	16QAM	1	0	High	9.51	<=13	PASS
Band66	15MHz	132597	16QAM	6	0	High	10.56	<=13	PASS
Band66	20MHz	132072	QPSK	1	0	Low	10.87	<=13	PASS
Band66	20MHz	132072	QPSK	6	0	Low	9.43	<=13	PASS
Band66	20MHz	132322	QPSK	1	0	Low	9.23	<=13	PASS
Band66	20MHz	132322	QPSK	6	0	Low	7.76	<=13	PASS
Band66	20MHz	132572	QPSK	1	0	High	8.19	<=13	PASS
Band66	20MHz	132572	QPSK	6	0	High	10.84	<=13	PASS
Band66	20MHz	132072	16QAM	1	0	Low	10.57	<=13	PASS
Band66	20MHz	132072	16QAM	6	0	Low	9.46	<=13	PASS
Band66	20MHz	132322	16QAM	1	0	Low	11.27	<=13	PASS
Band66	20MHz	132322	16QAM	6	0	Low	9.07	<=13	PASS
Band66	20MHz	132572	16QAM	1	0	High	10.46	<=13	PASS
Band66	20MHz	132572	16QAM	6	0	High	9.86	<=13	PASS

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2.2 Test Graphs
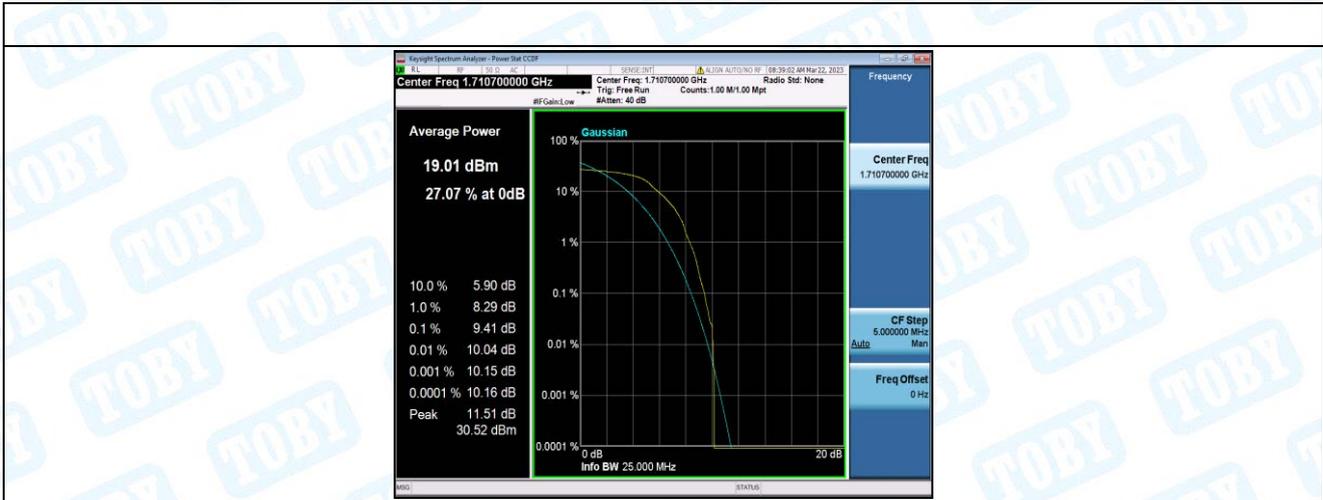
Band66-1.4MHz-QPSK-131979-1-0-Low-9.41-<=13-PASS
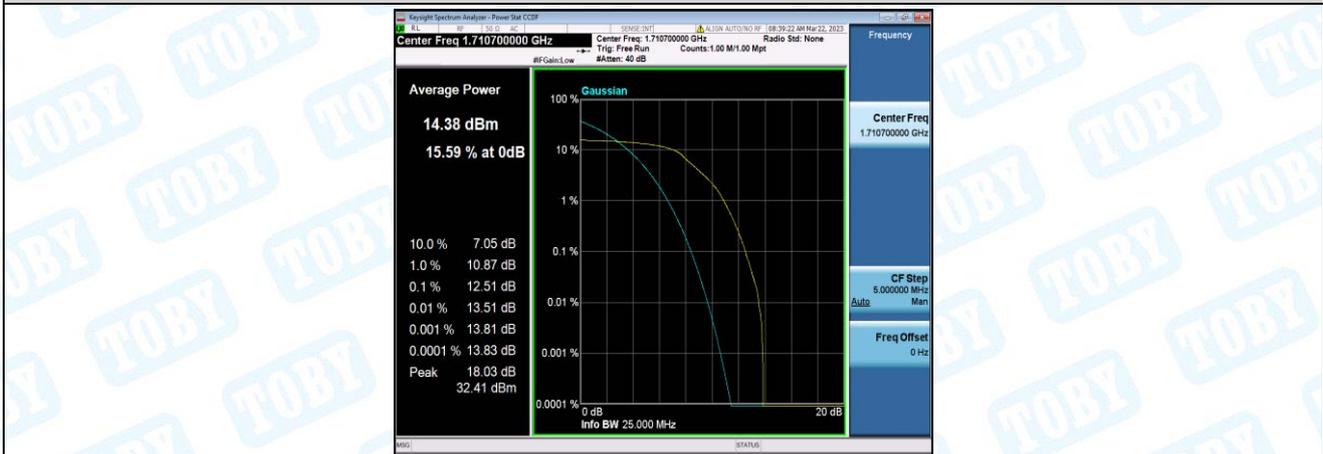
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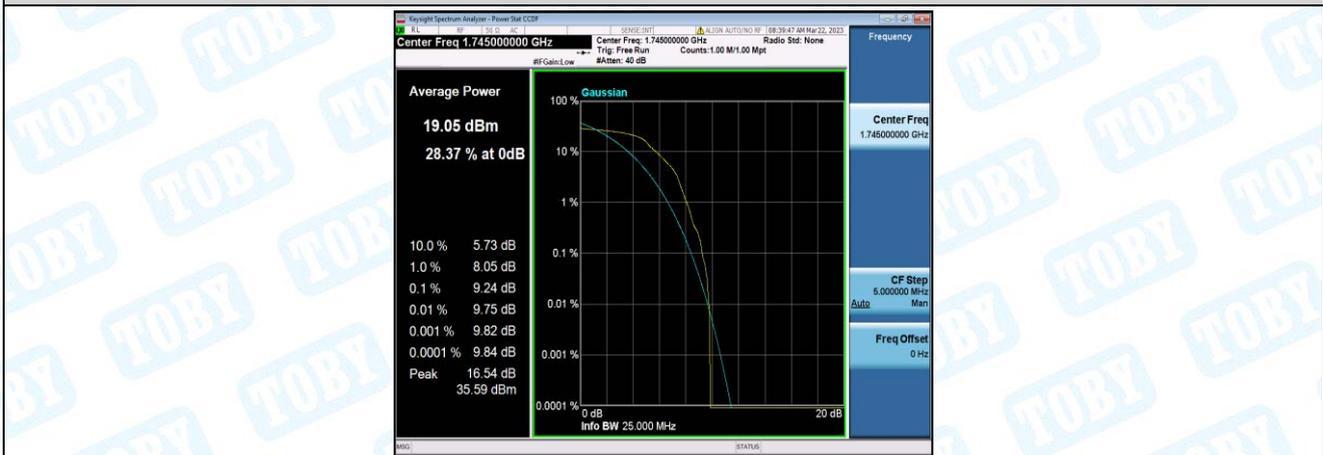
Band66-1.4MHz-QPSK-132322-1-0-Low-9.24-<=13-PASS

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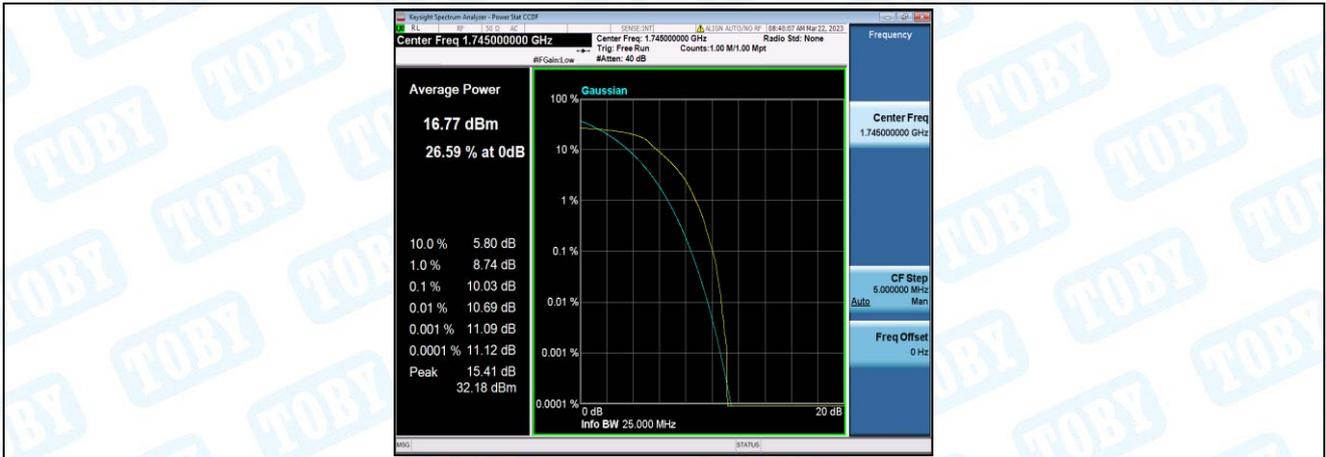
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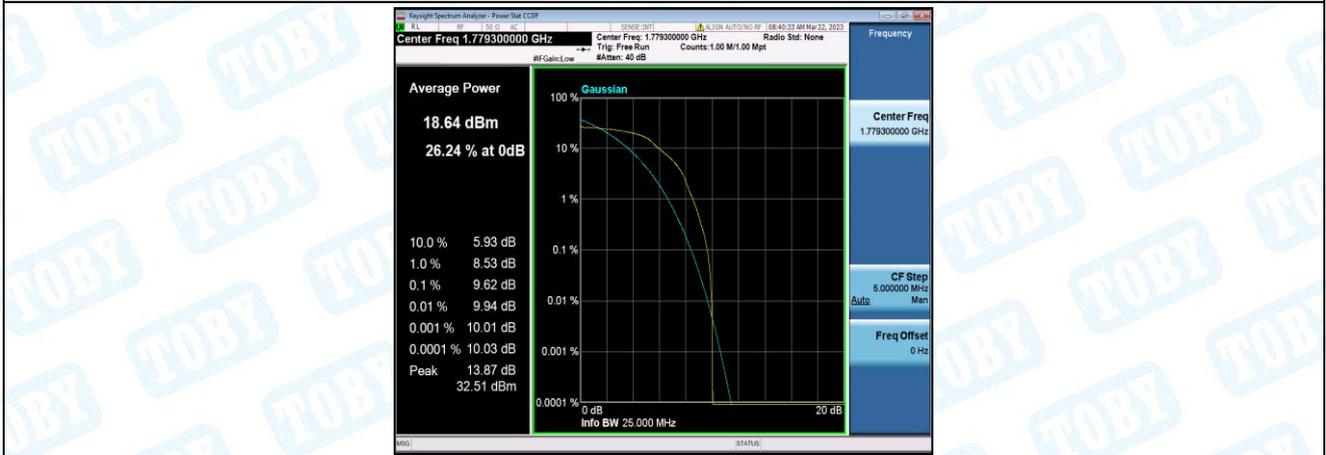
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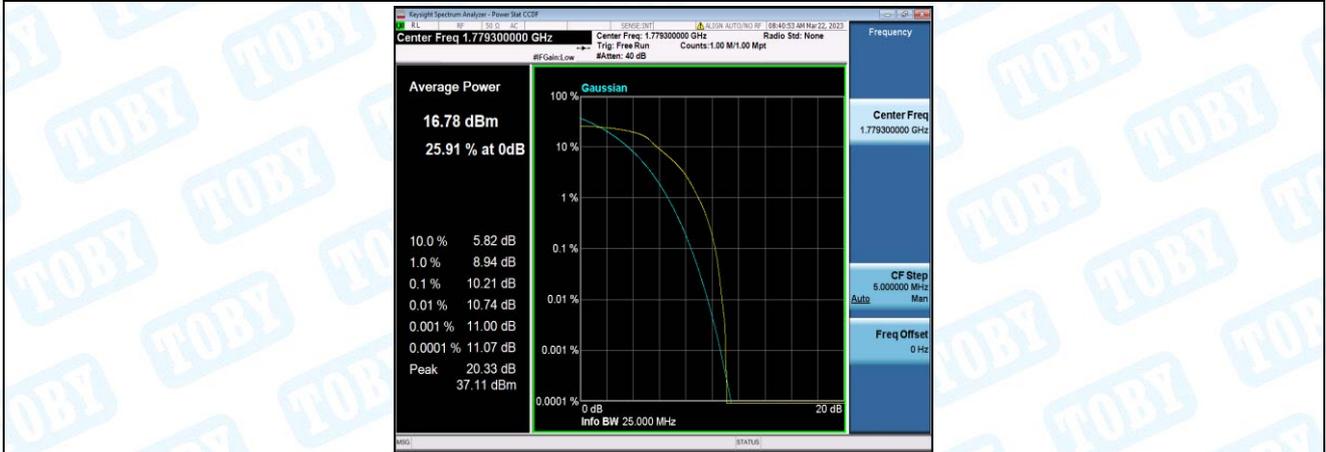
Band66-1.4MHz-QPSK-132665-6-0-High-10.21-<=13-PASS

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Band66-1.4MHz-16QAM-131979-1-0-Low-11.79-<=13-PASS
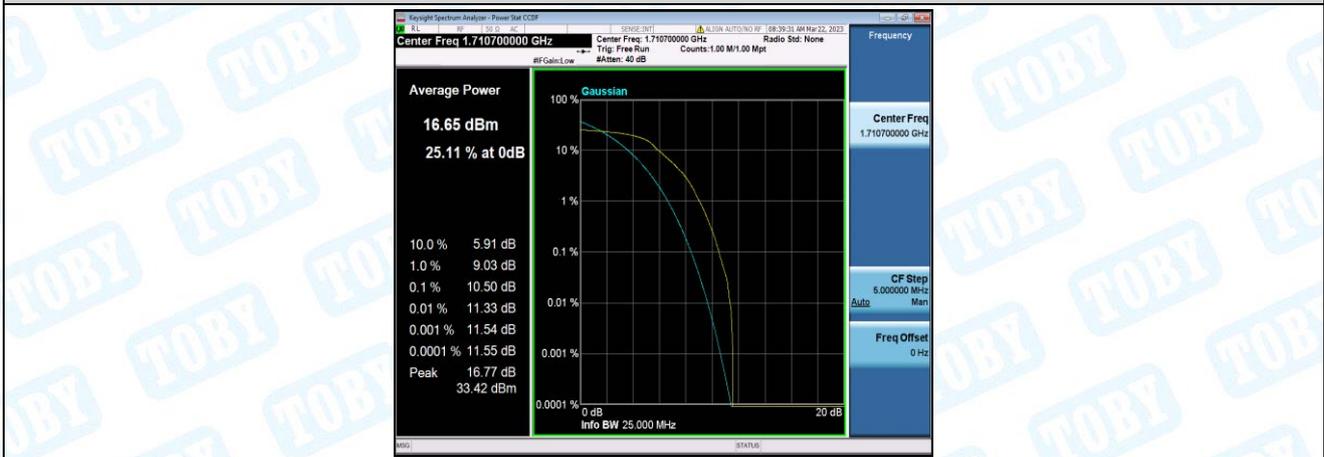
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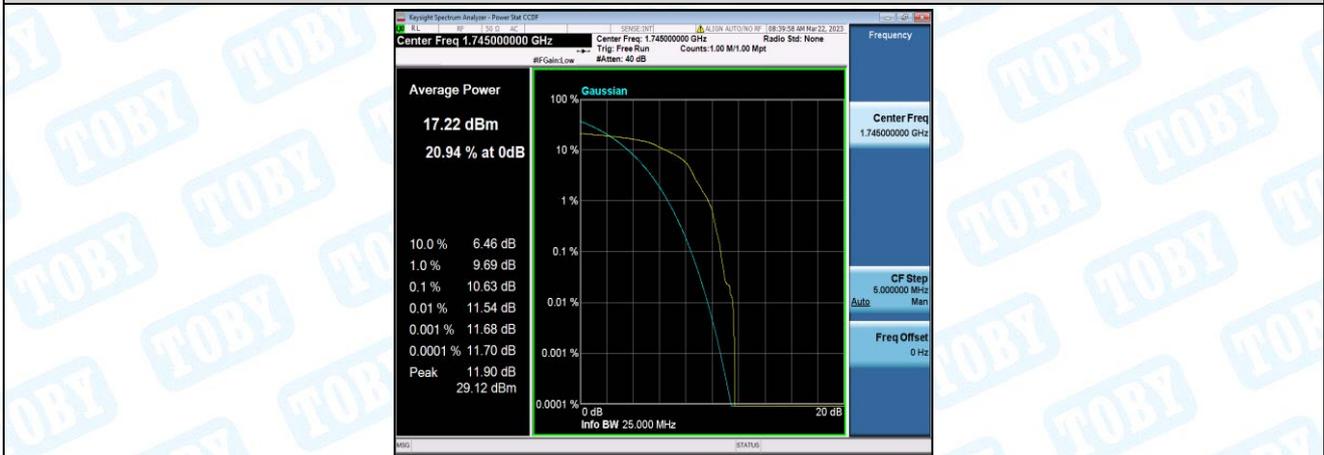
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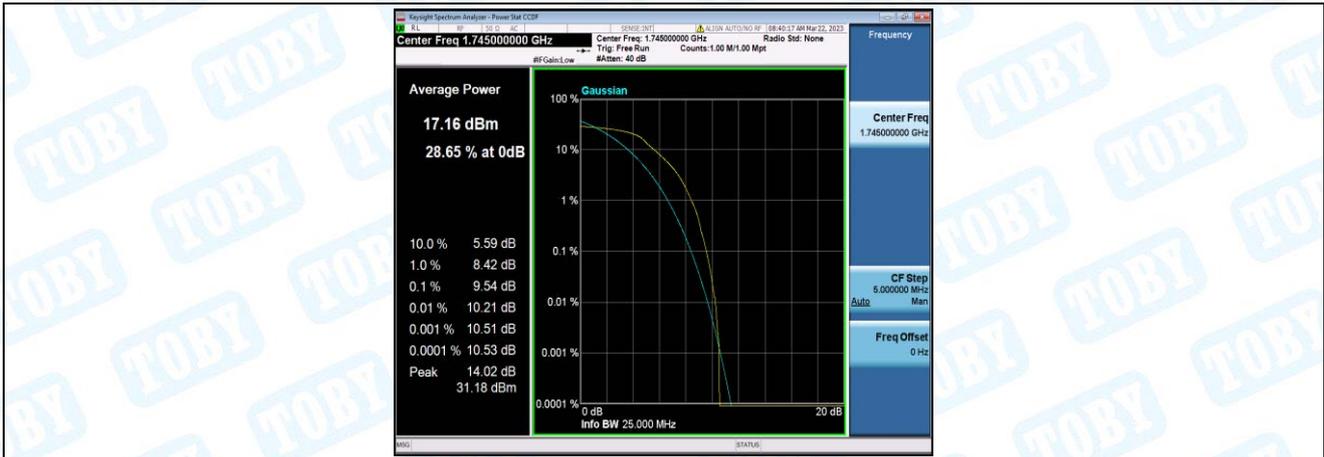
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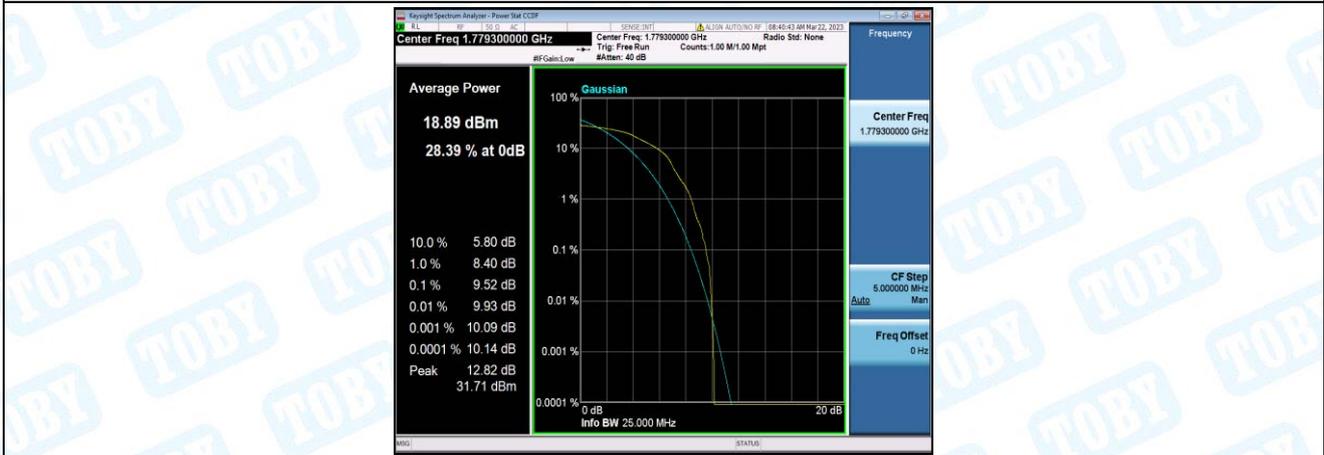
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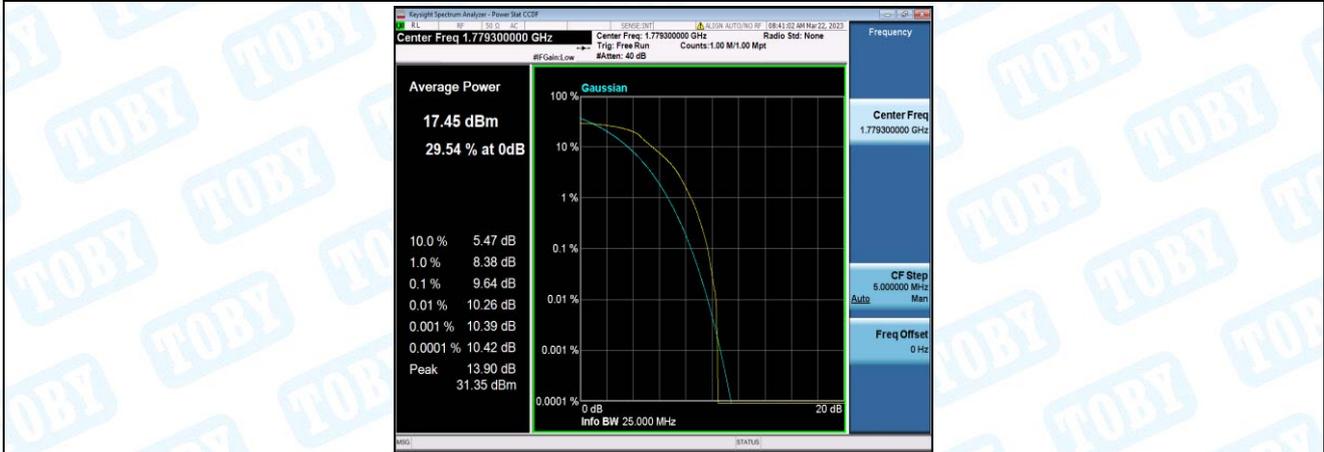
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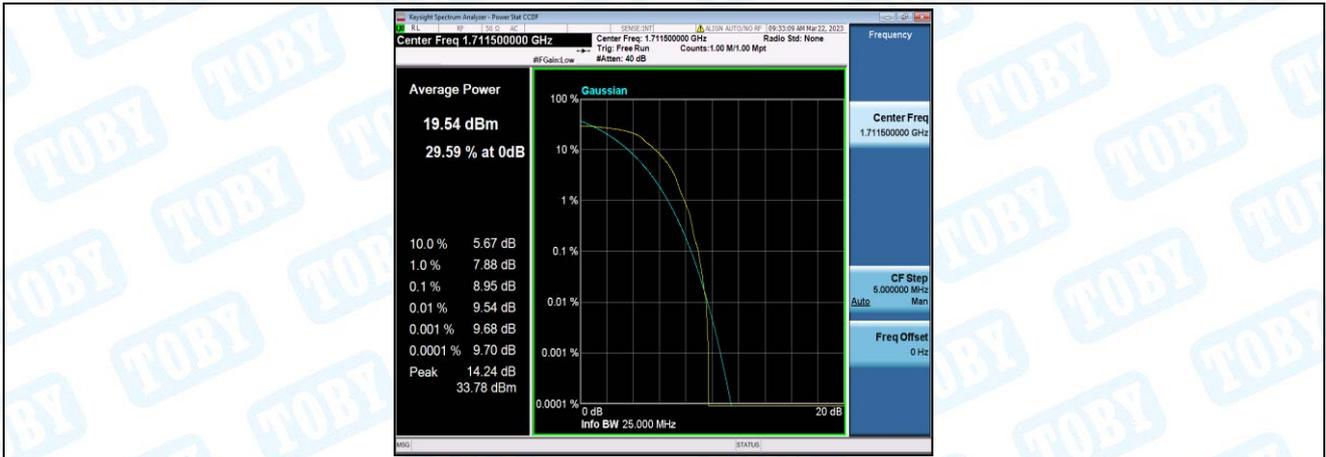
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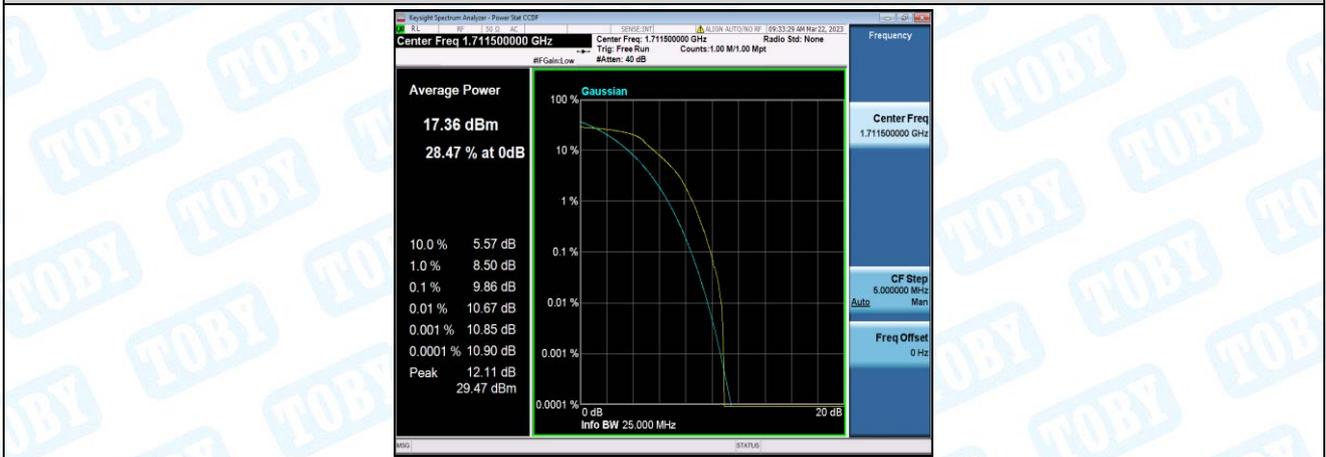
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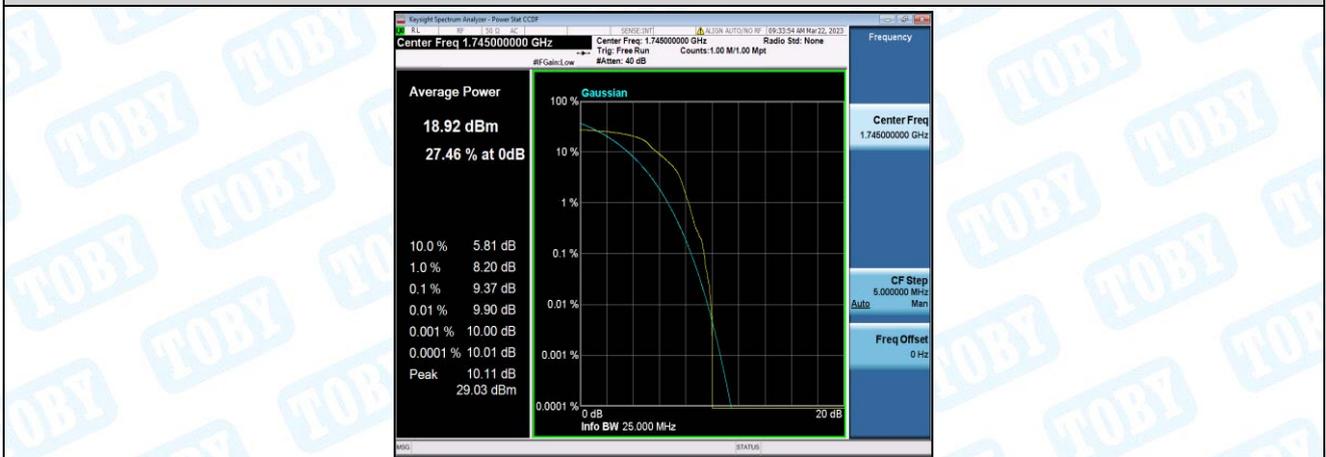
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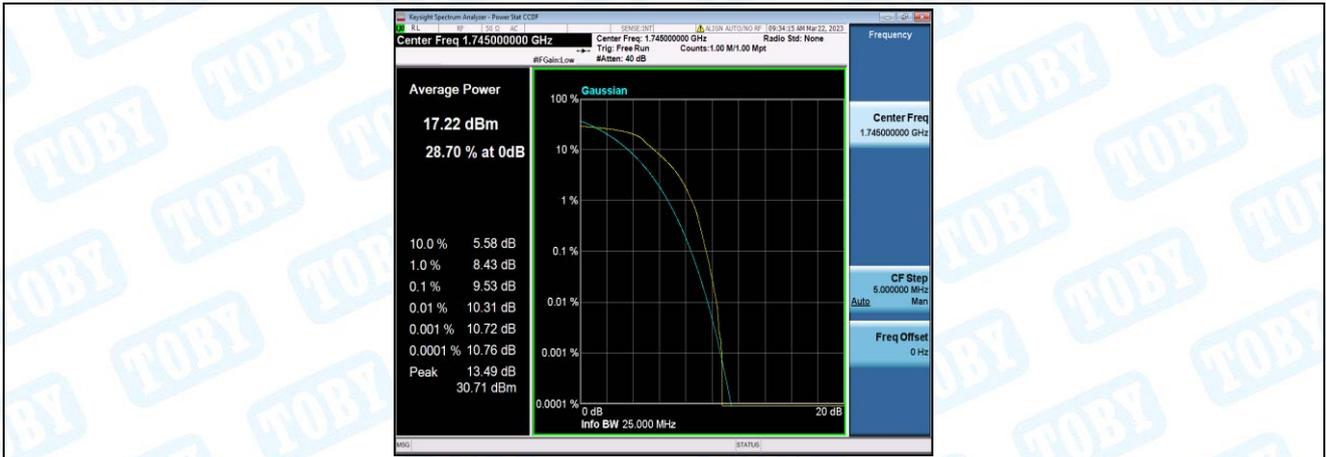
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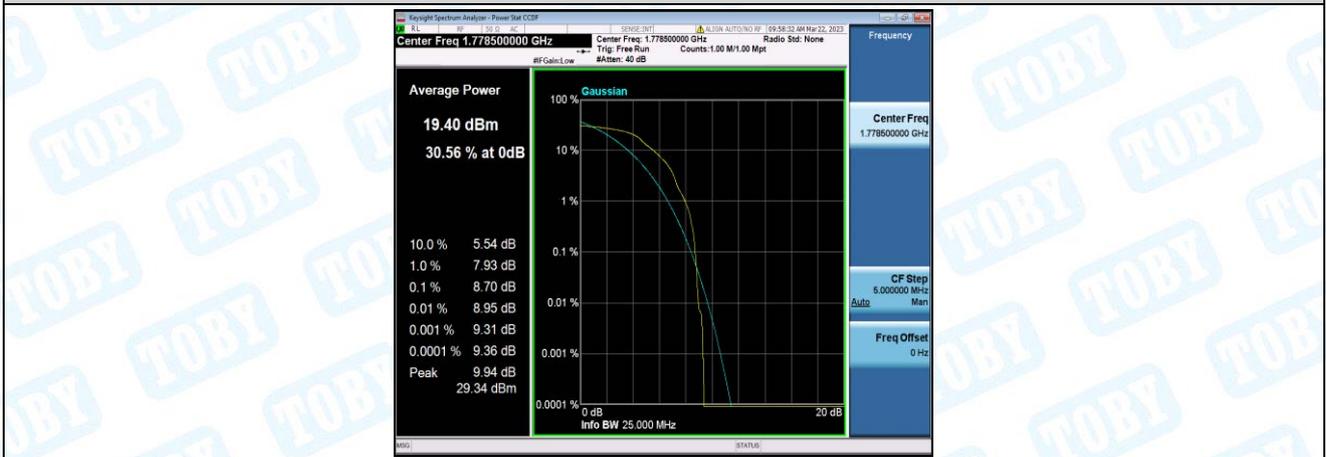
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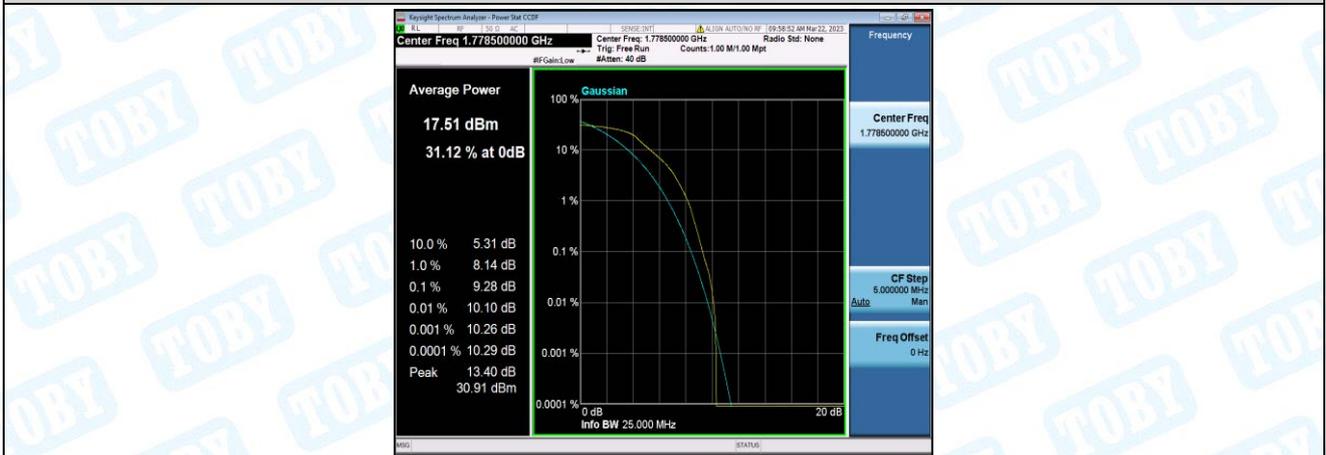
Band66-3MHz-QPSK-132657-6-0-High-9.28-<=13-PASS

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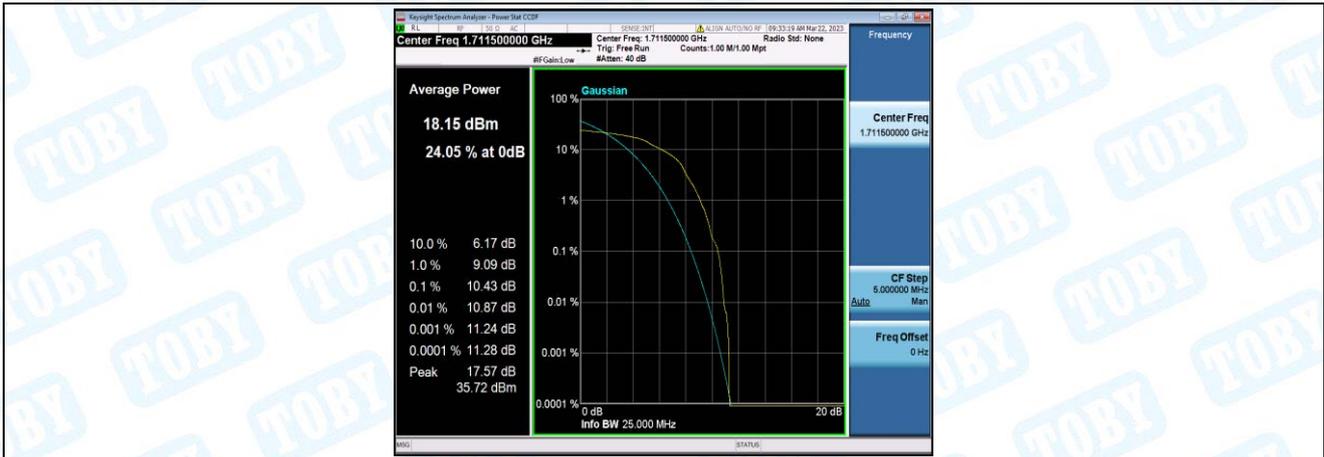
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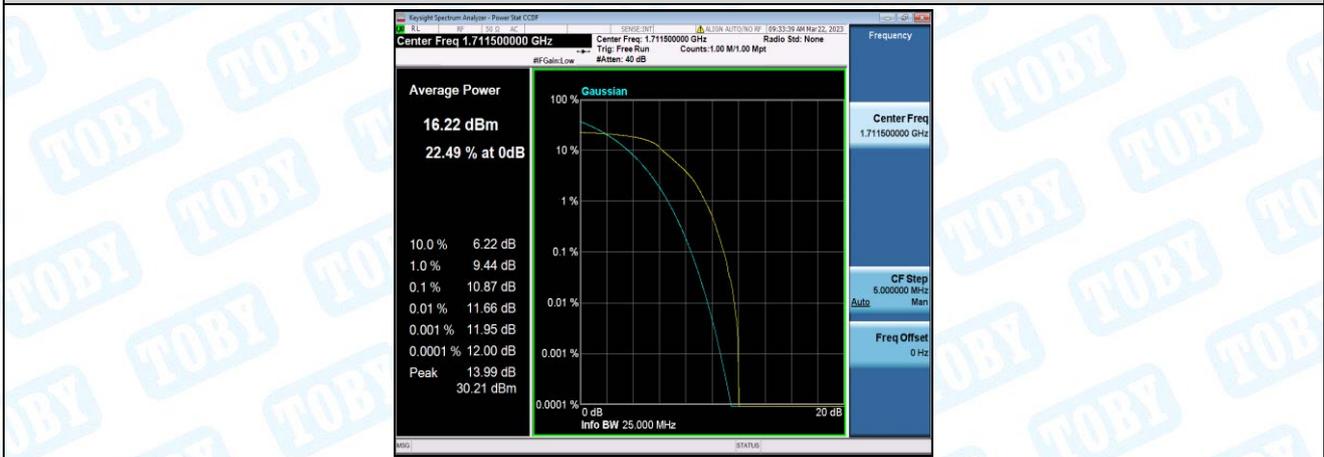
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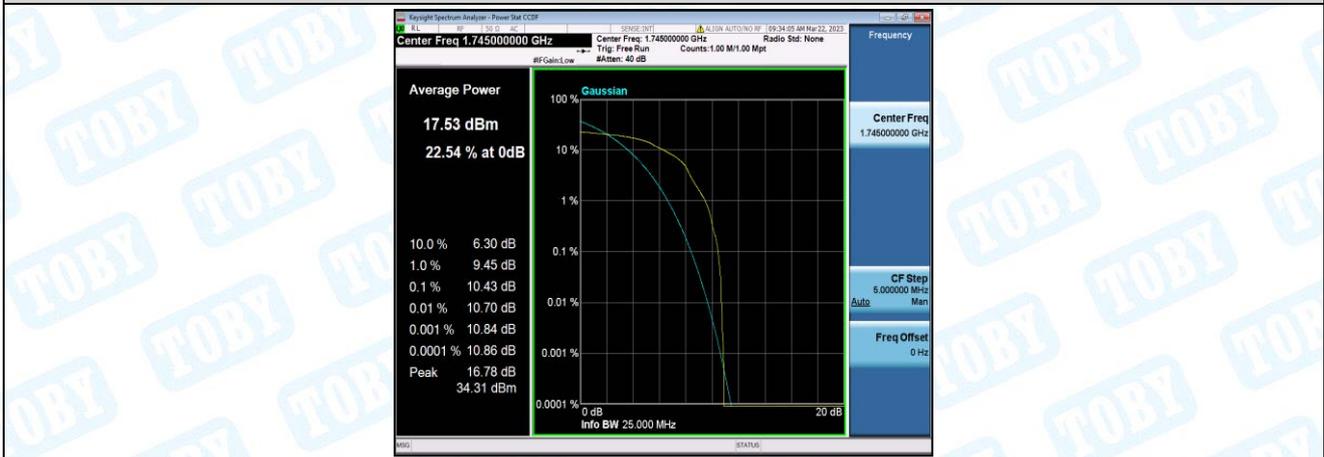
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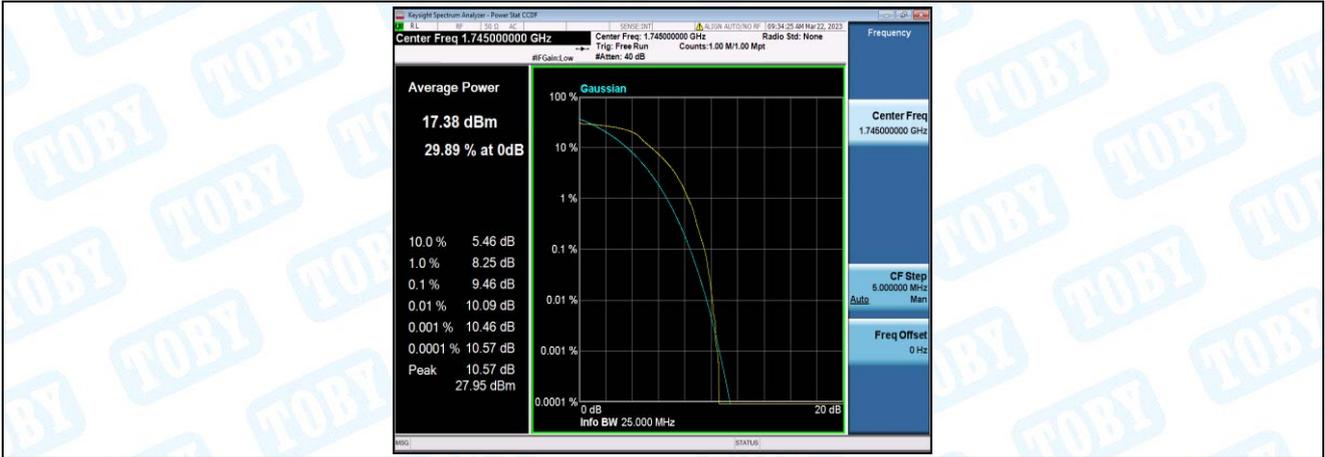
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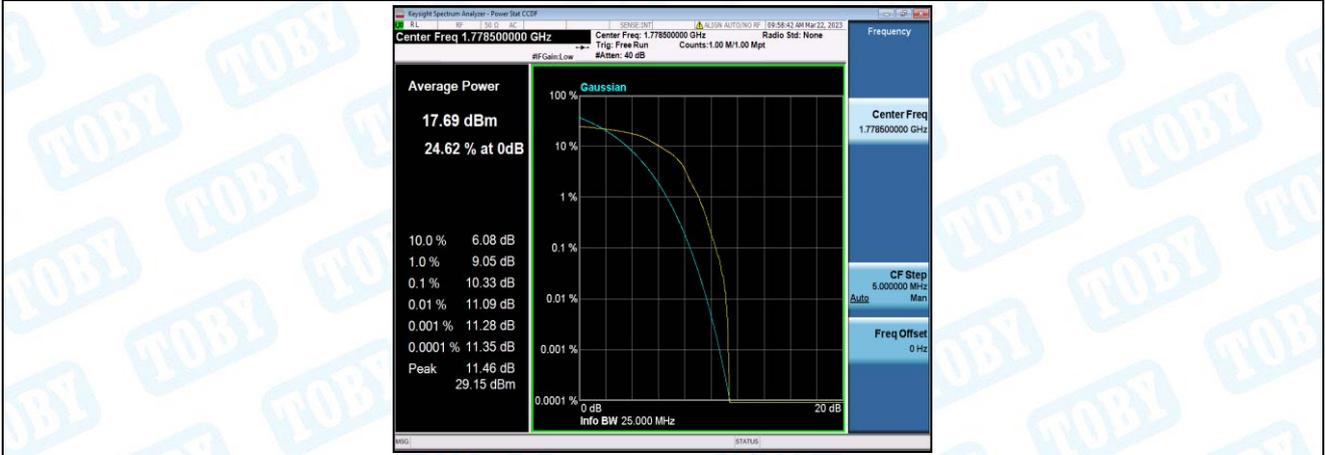
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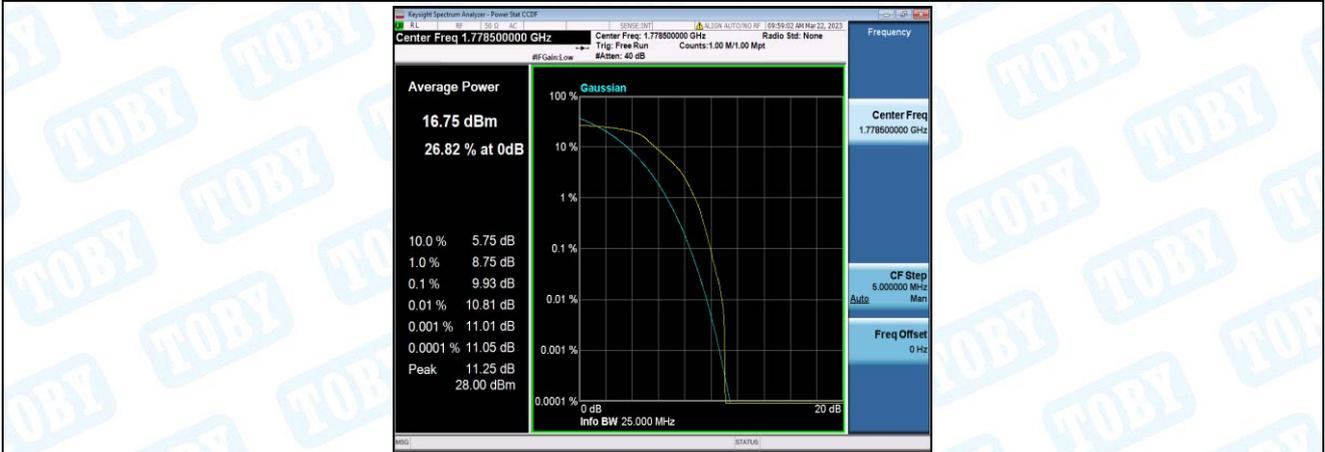
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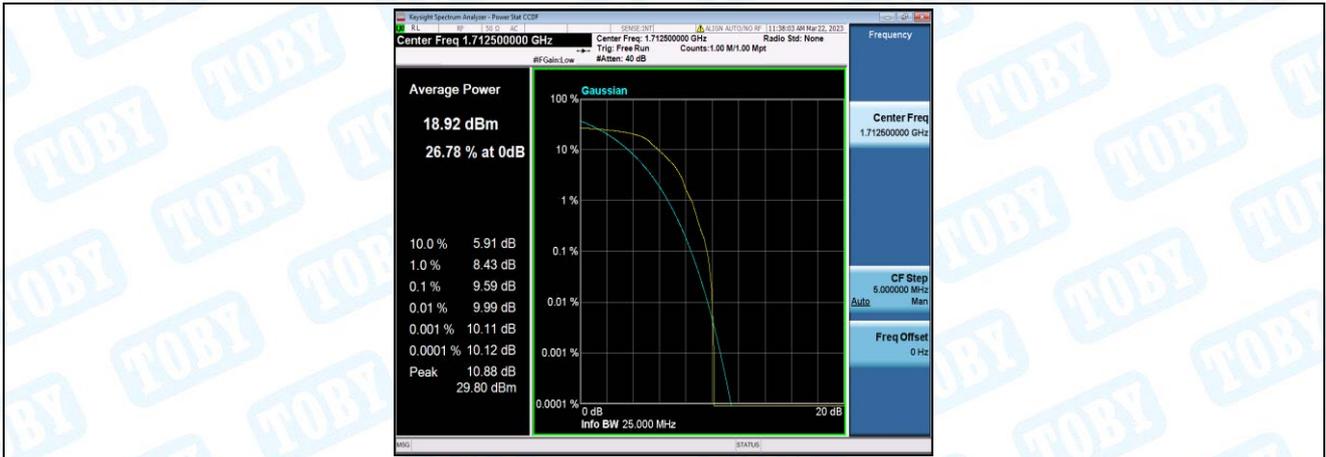
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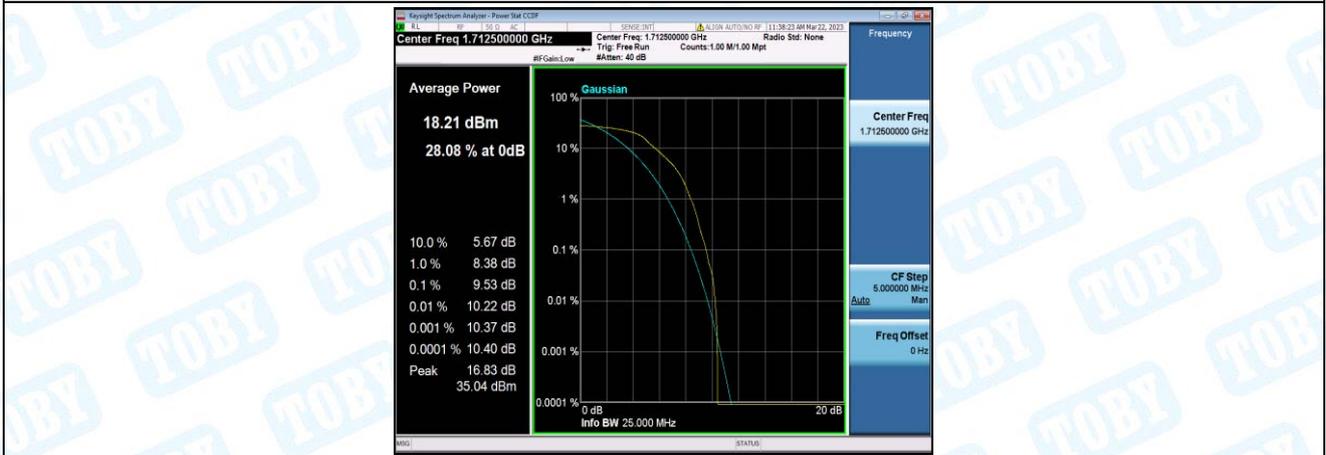
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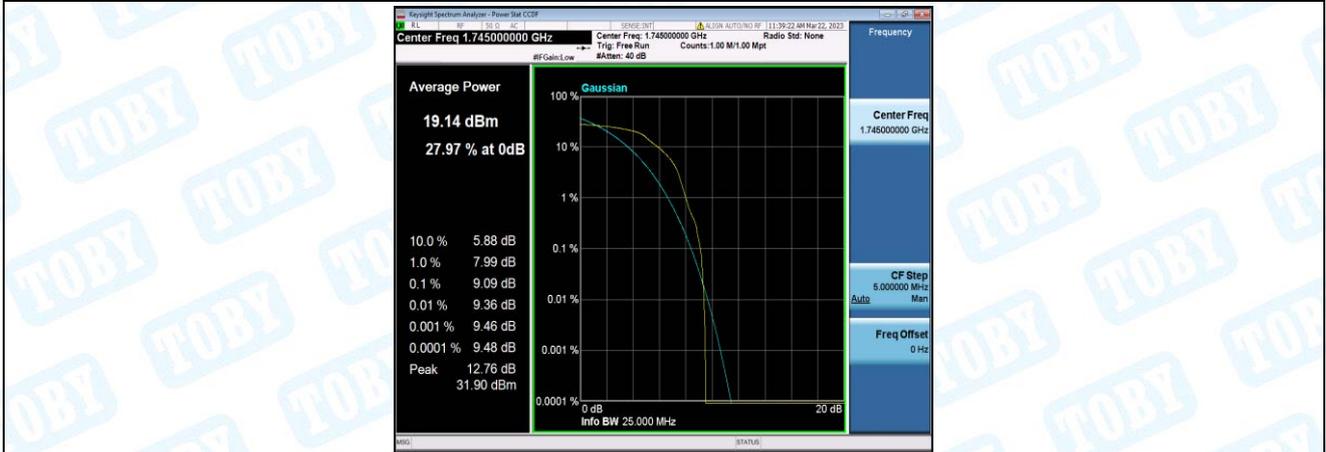
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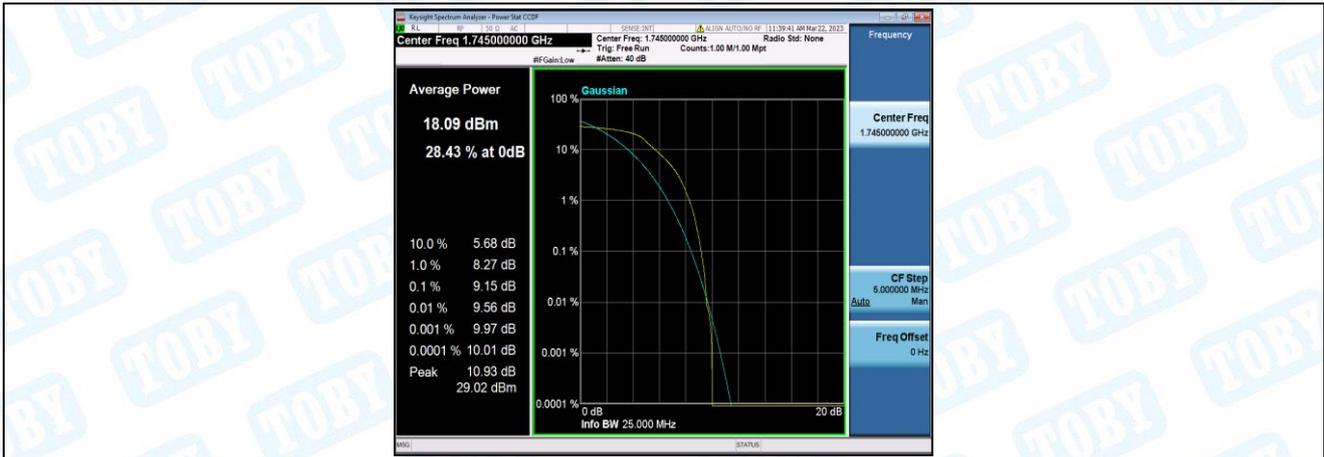
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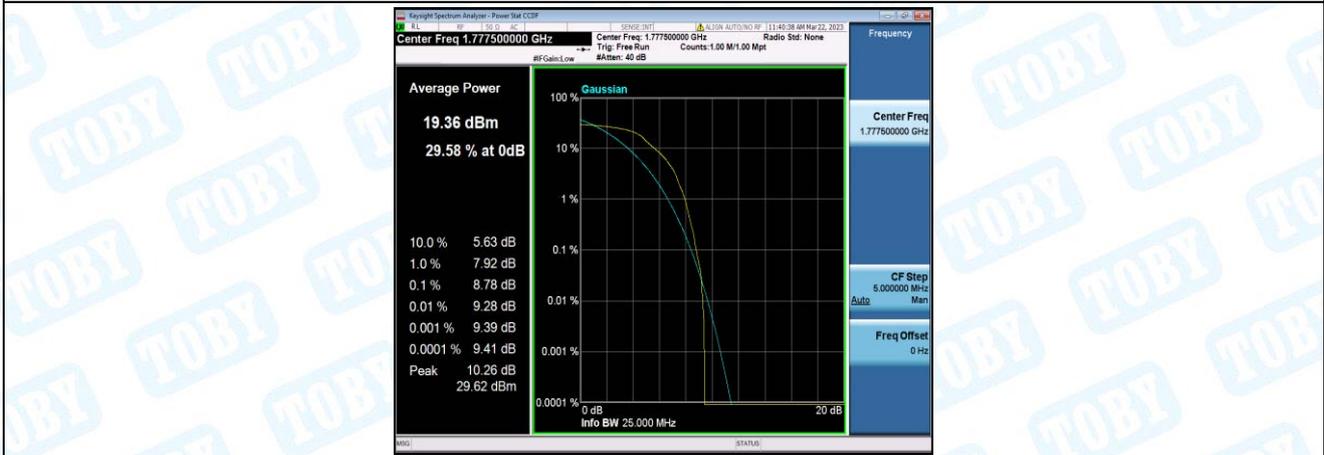
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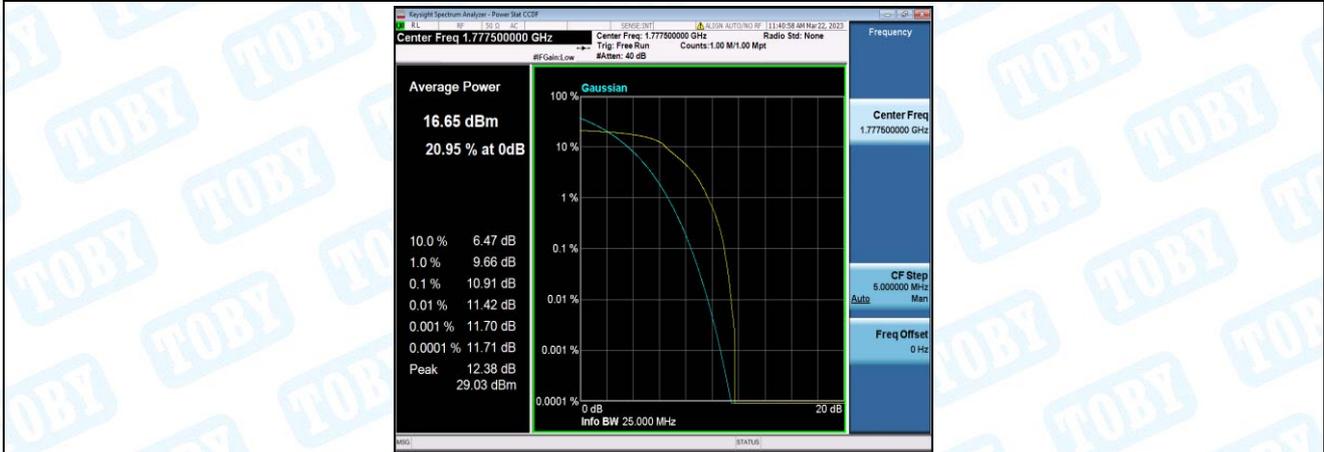
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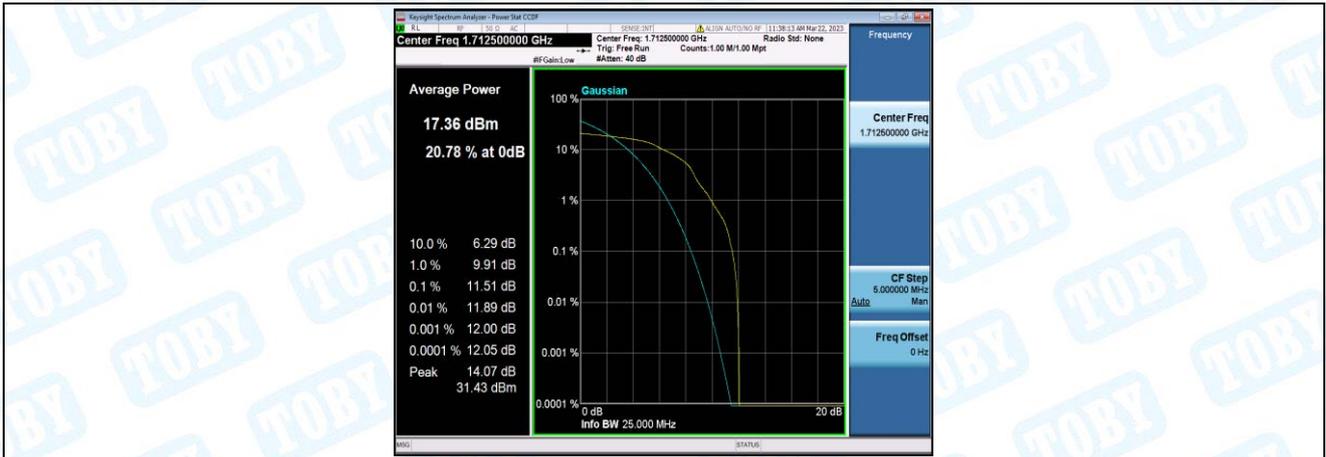
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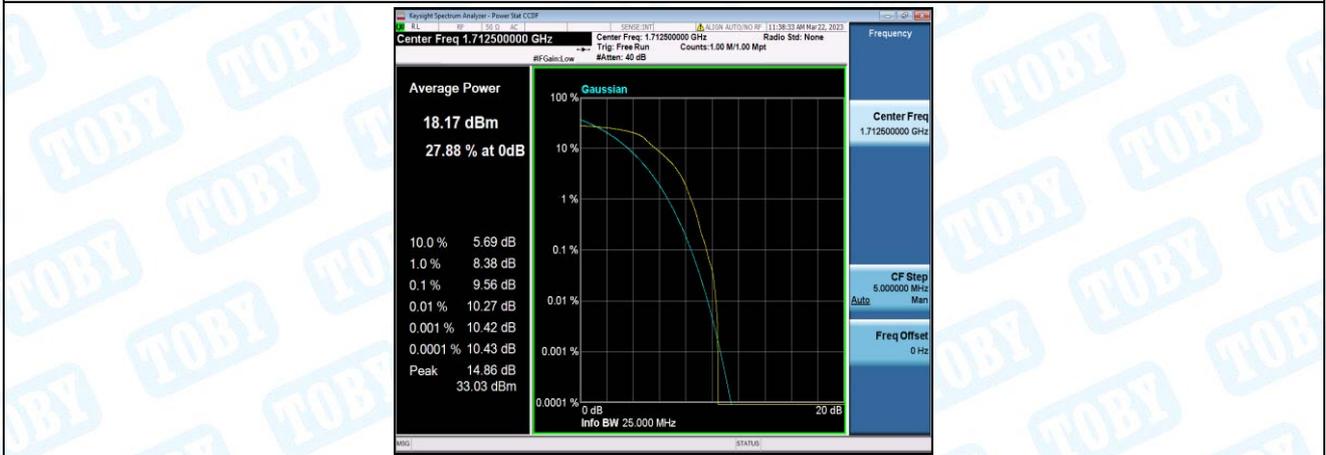
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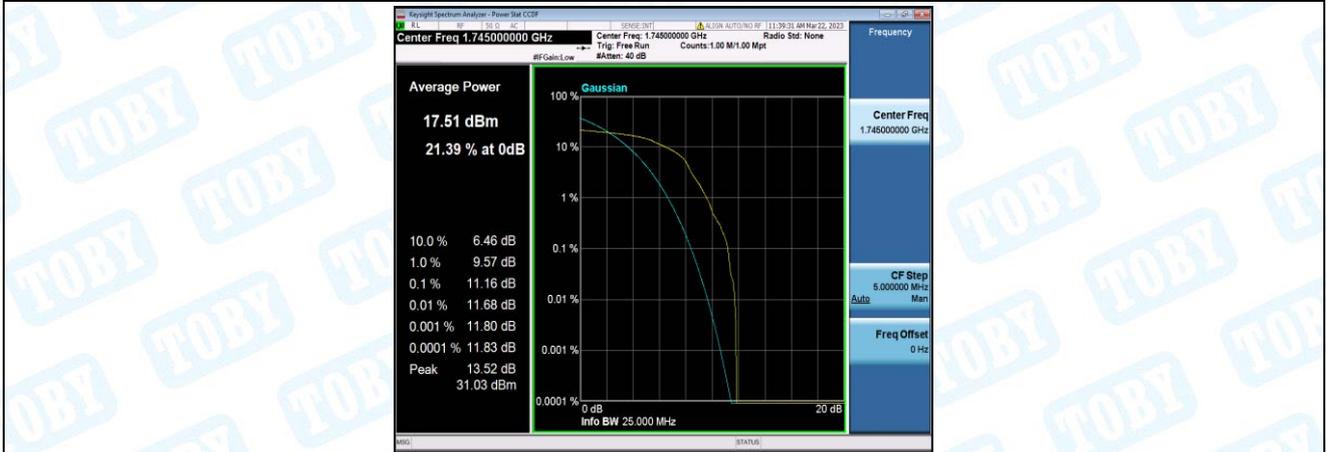
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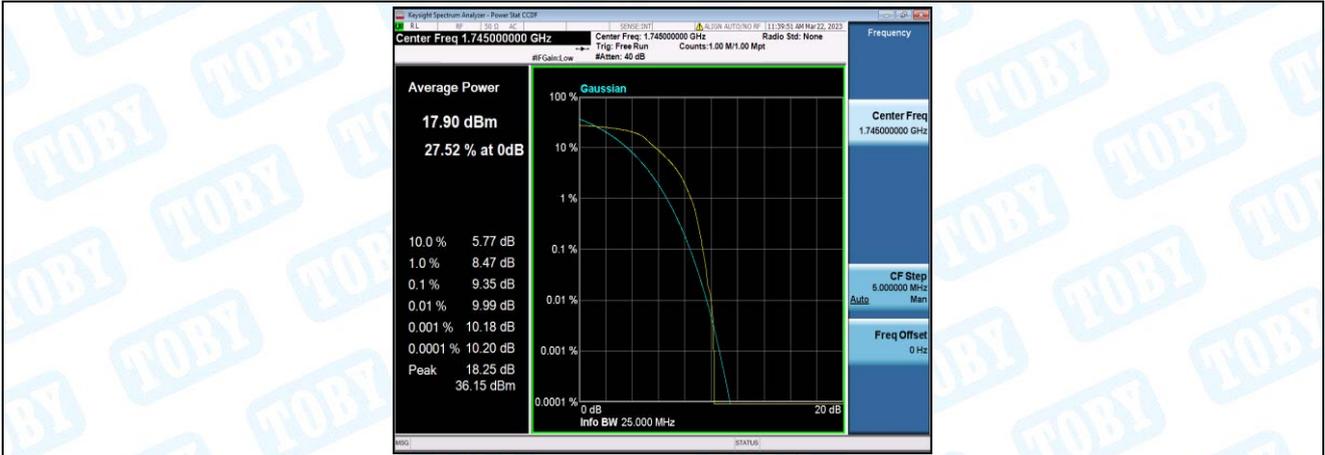
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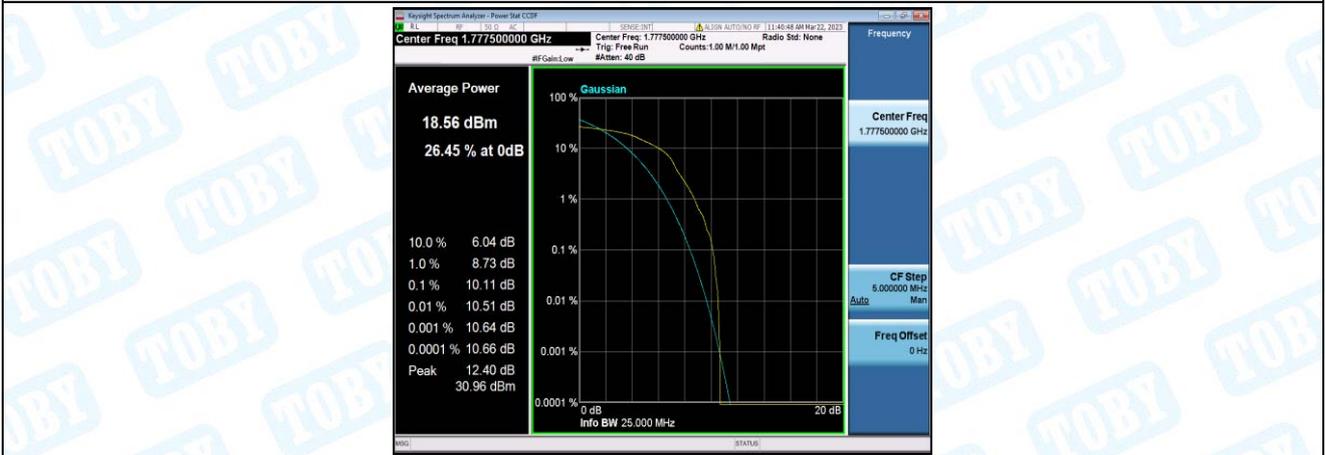
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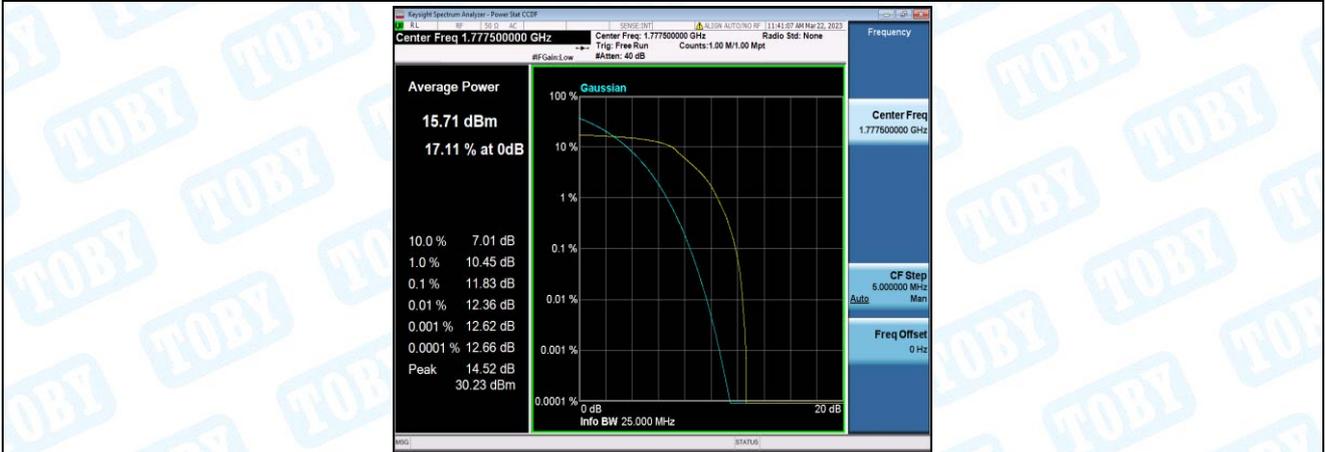
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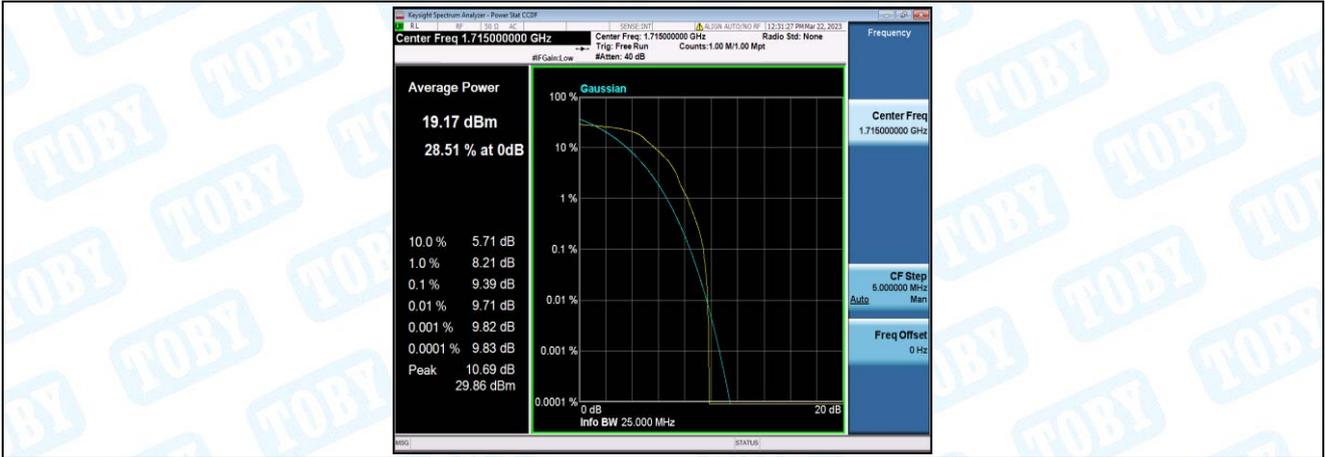
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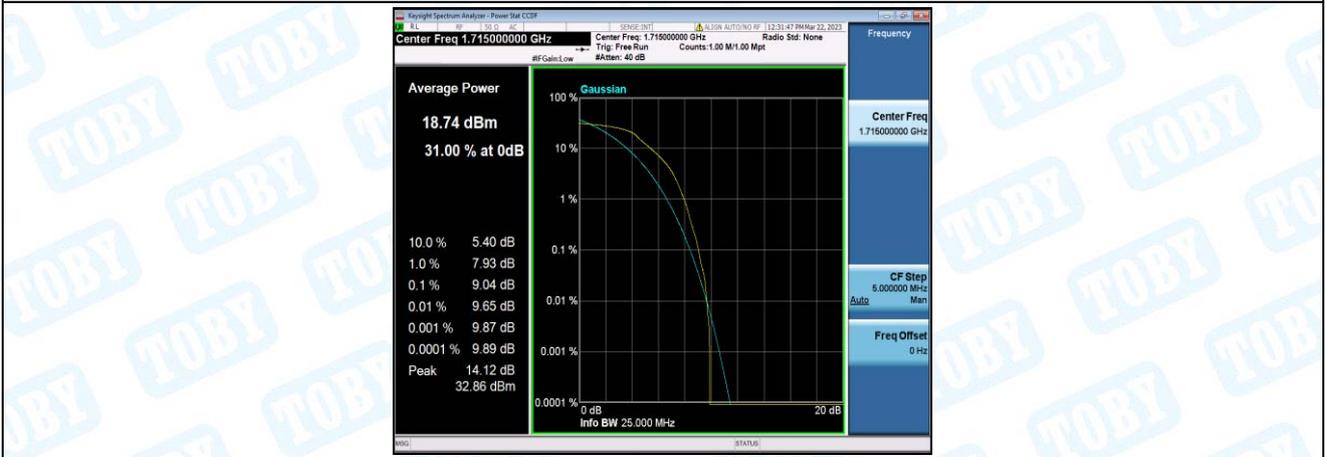
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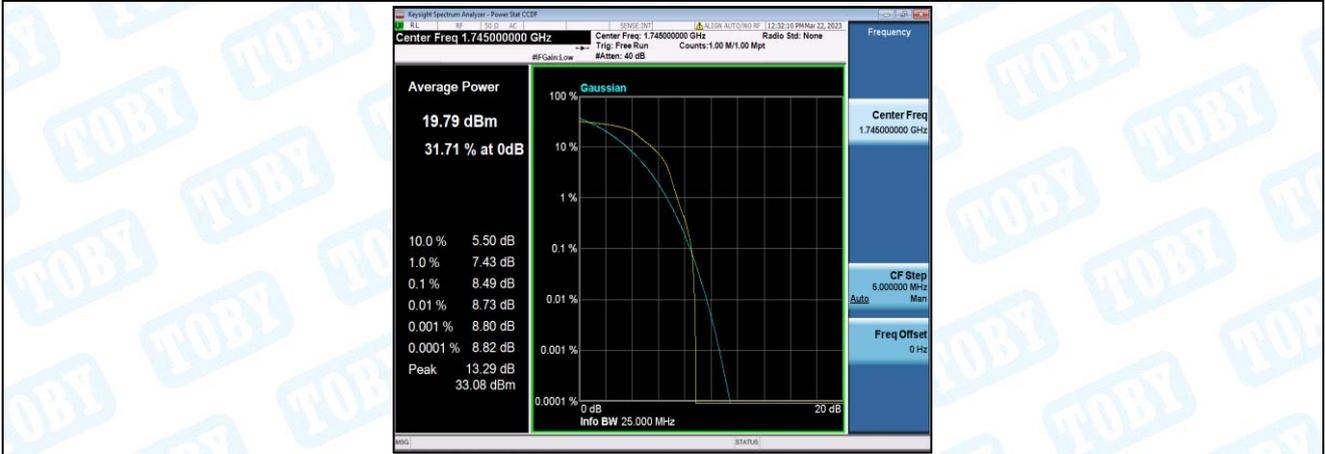
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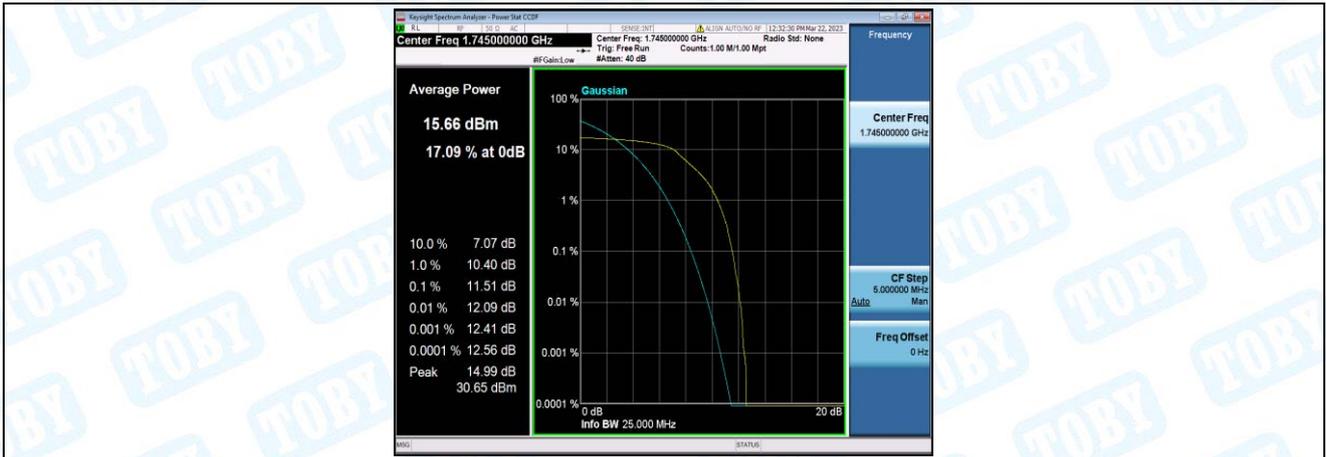
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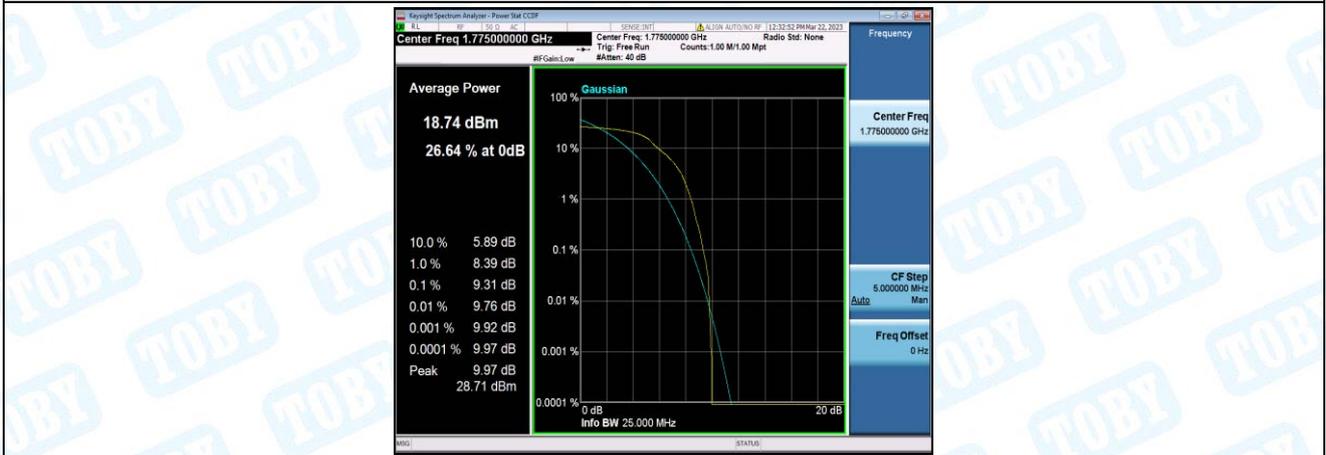
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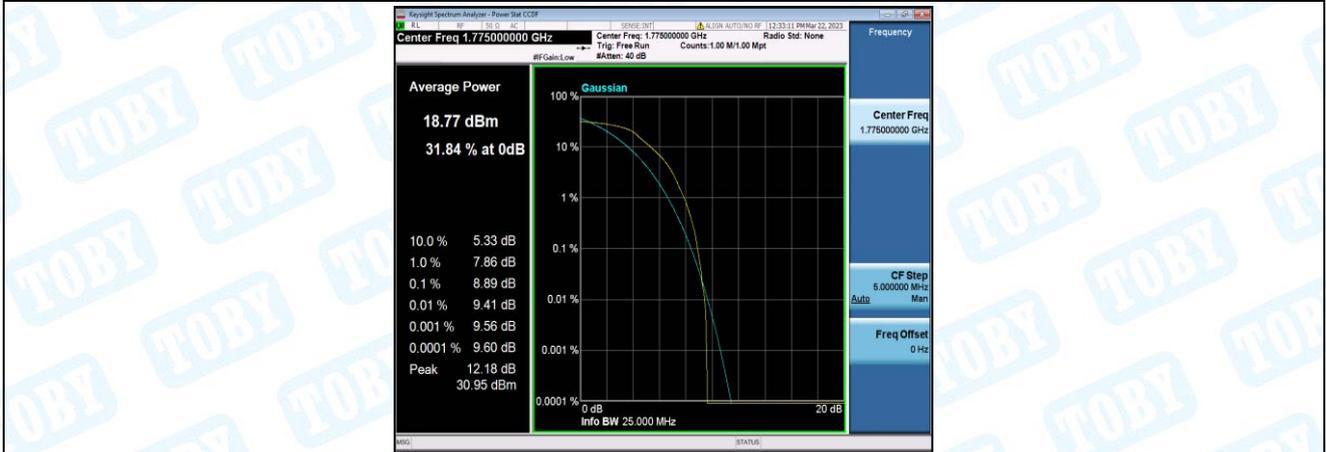
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Band66-10MHz-16QAM-132022-1-0-Low-11.76-<=13-PASS
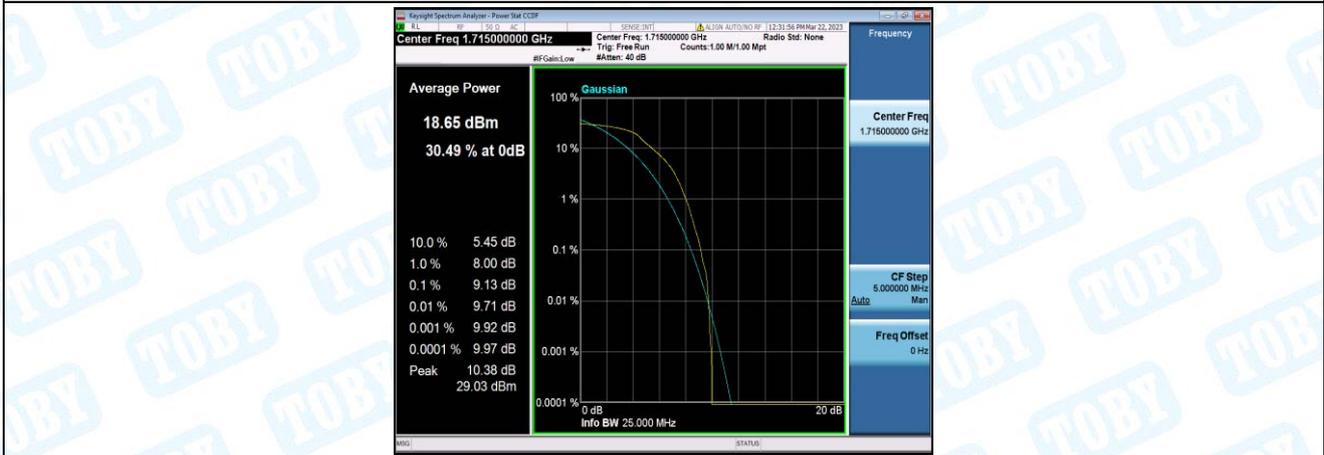
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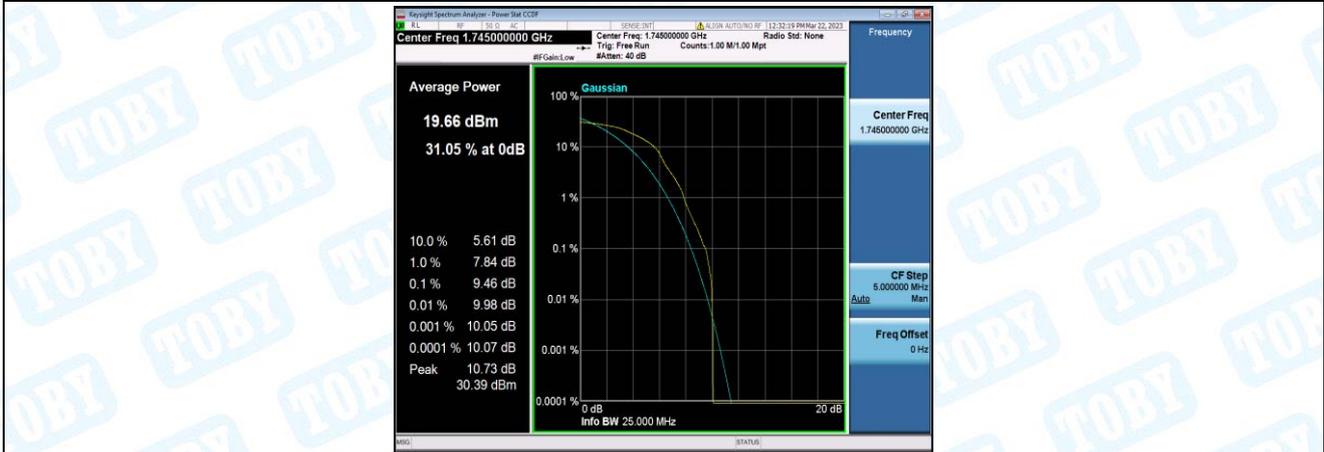
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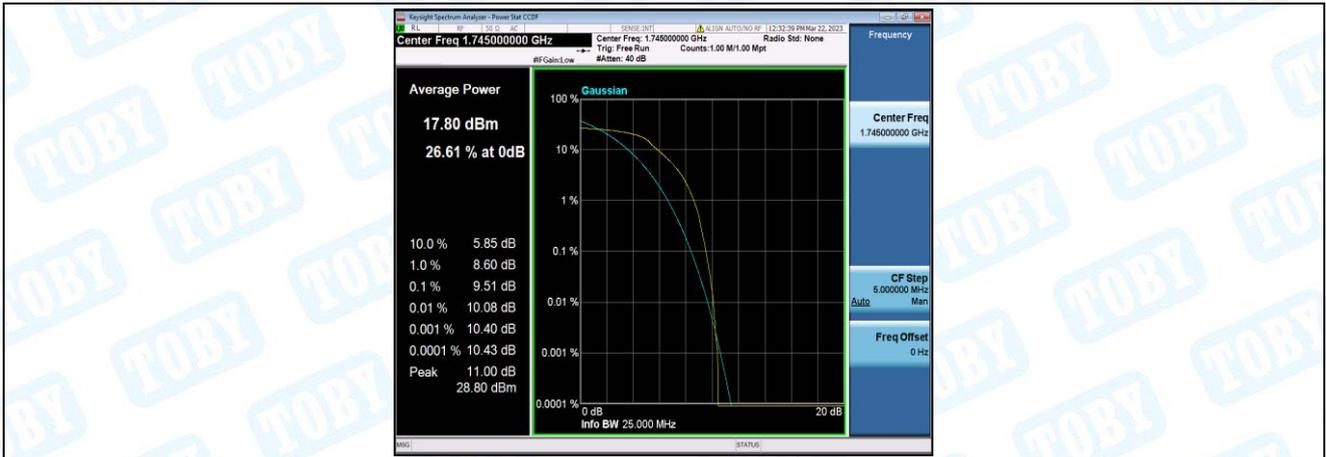
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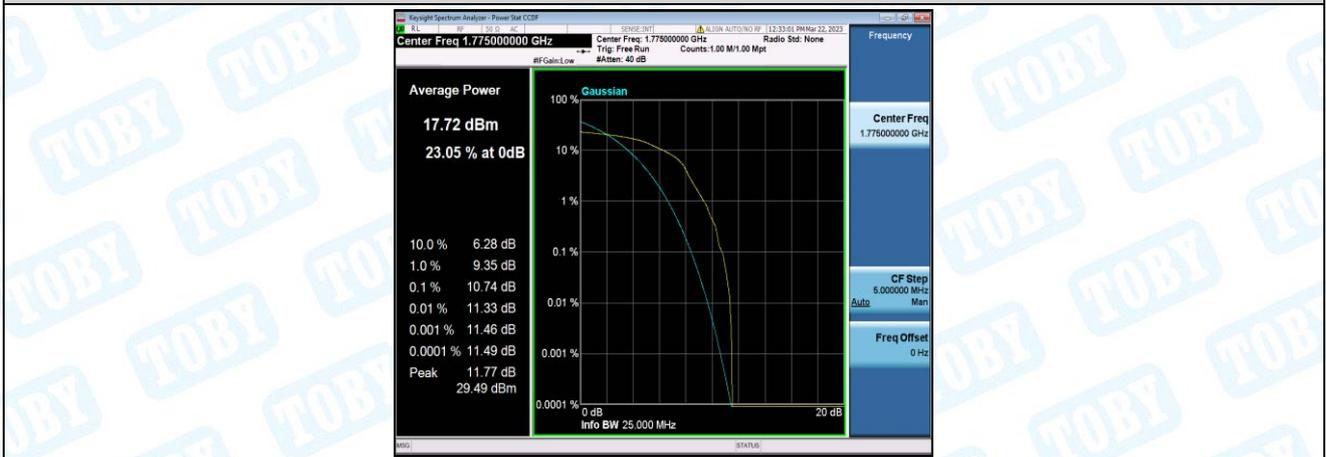
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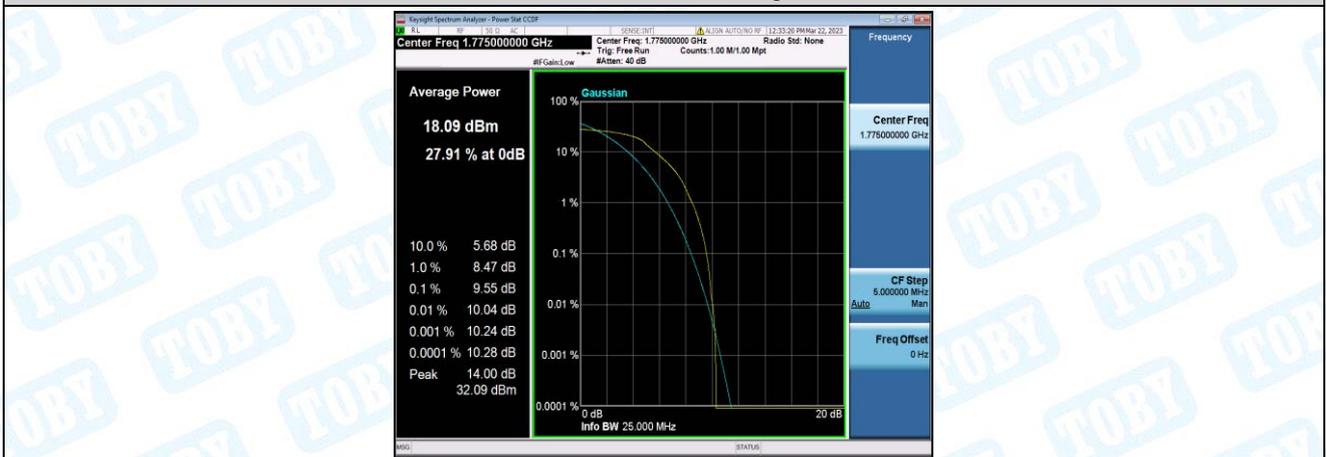
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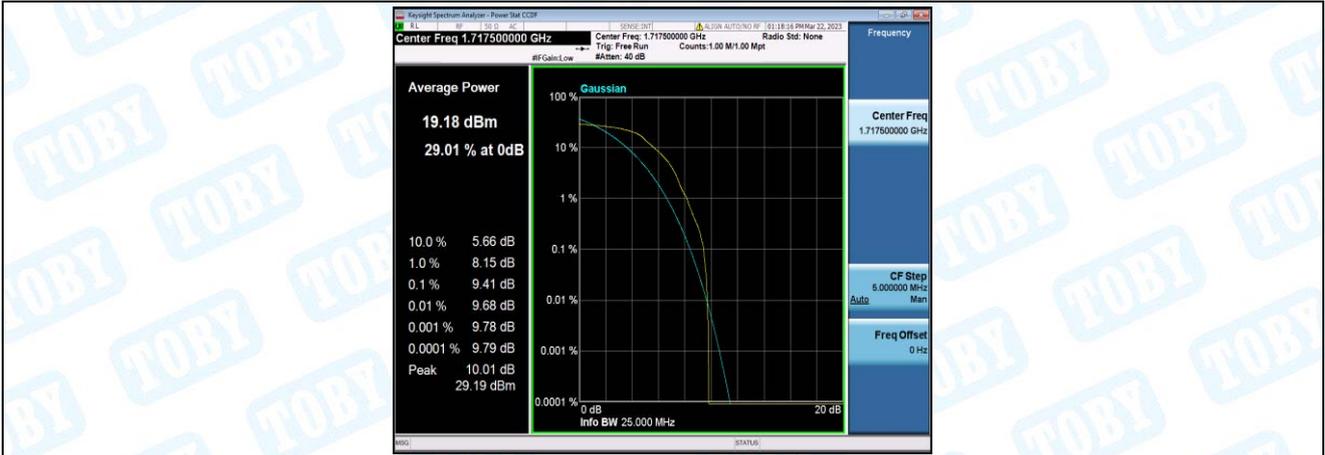
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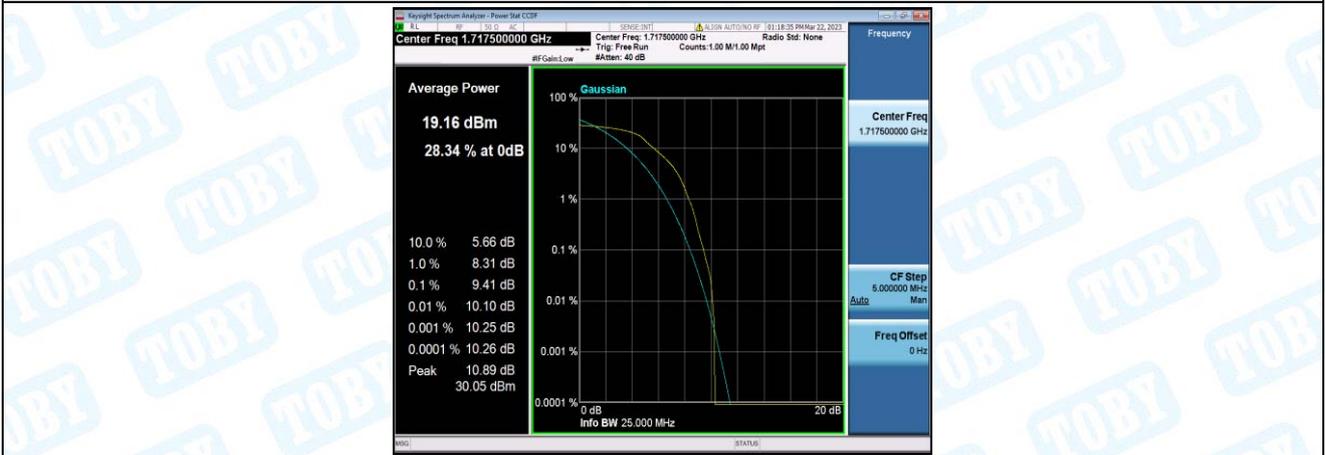
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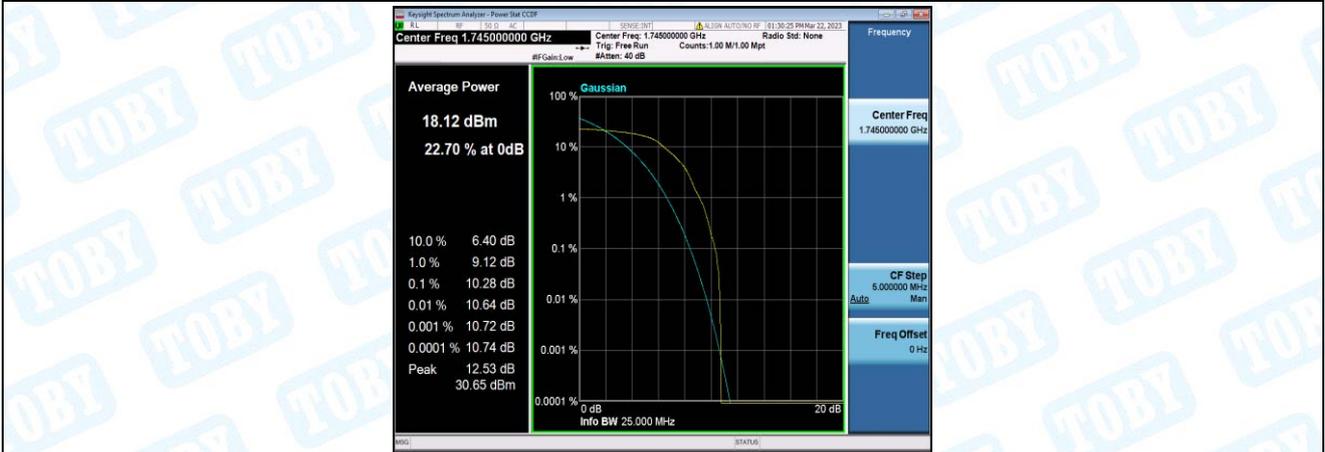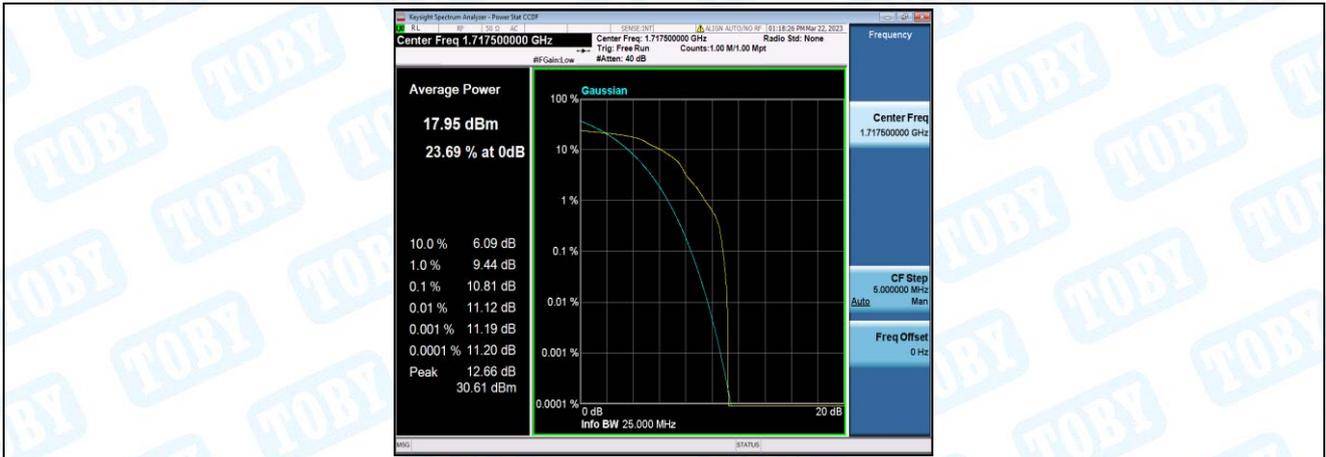

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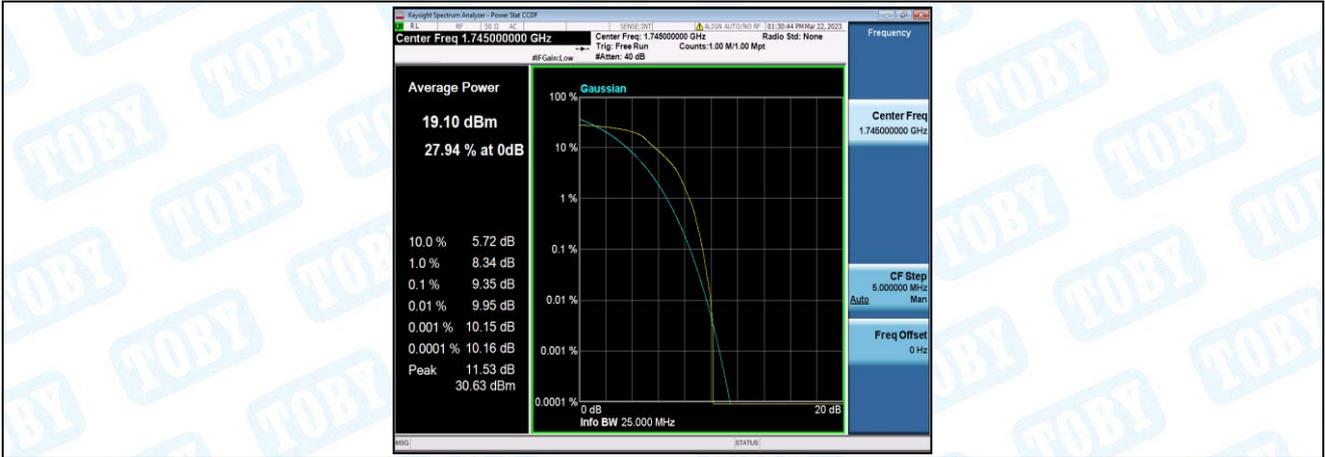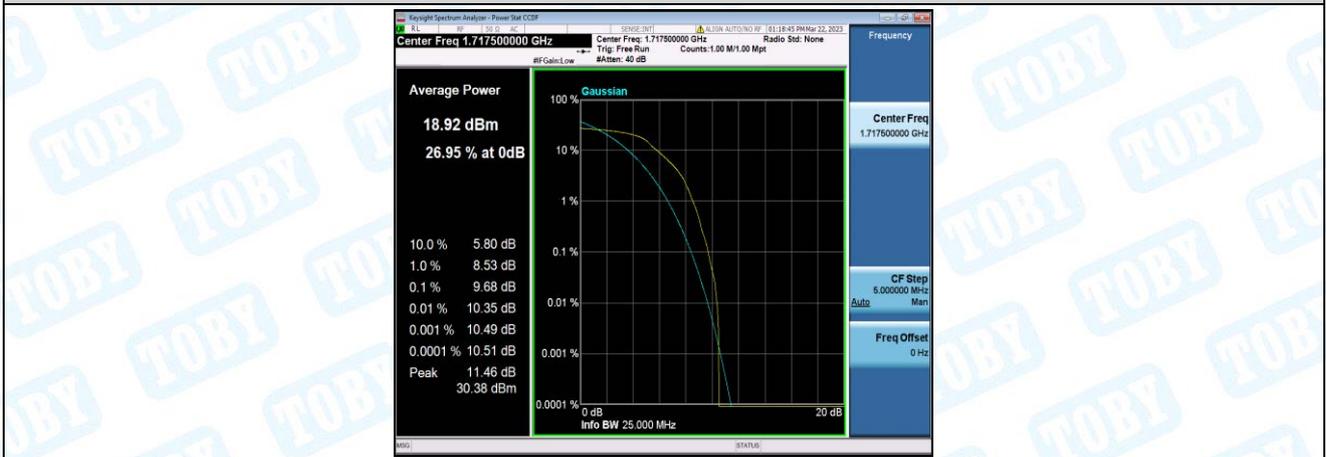
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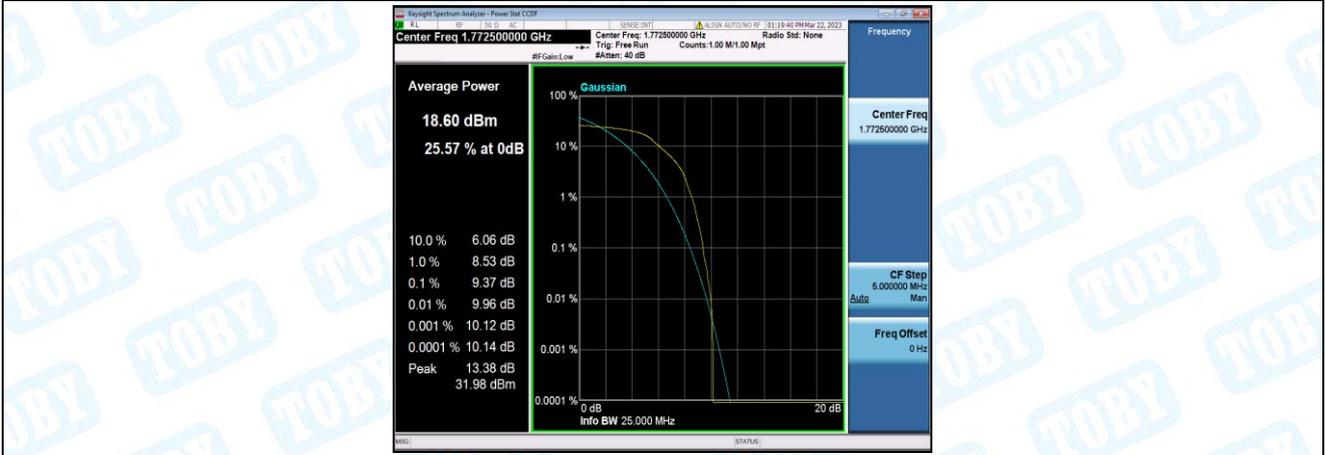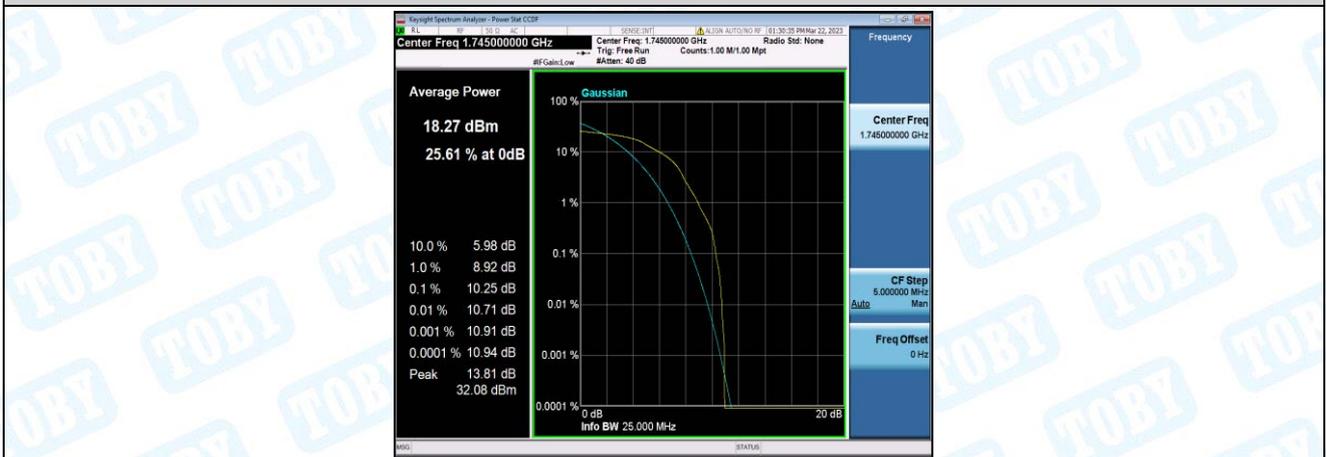

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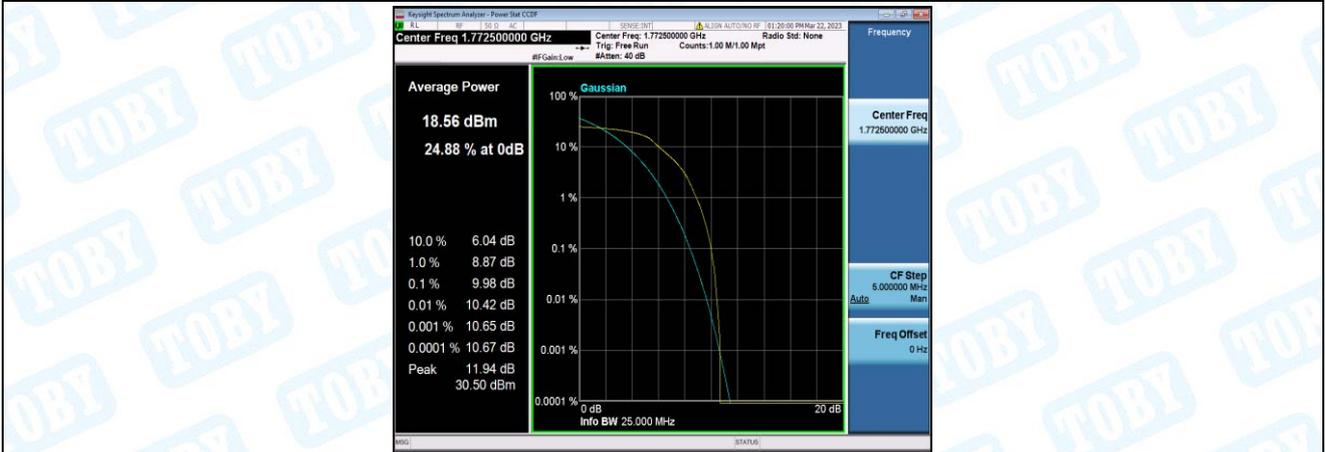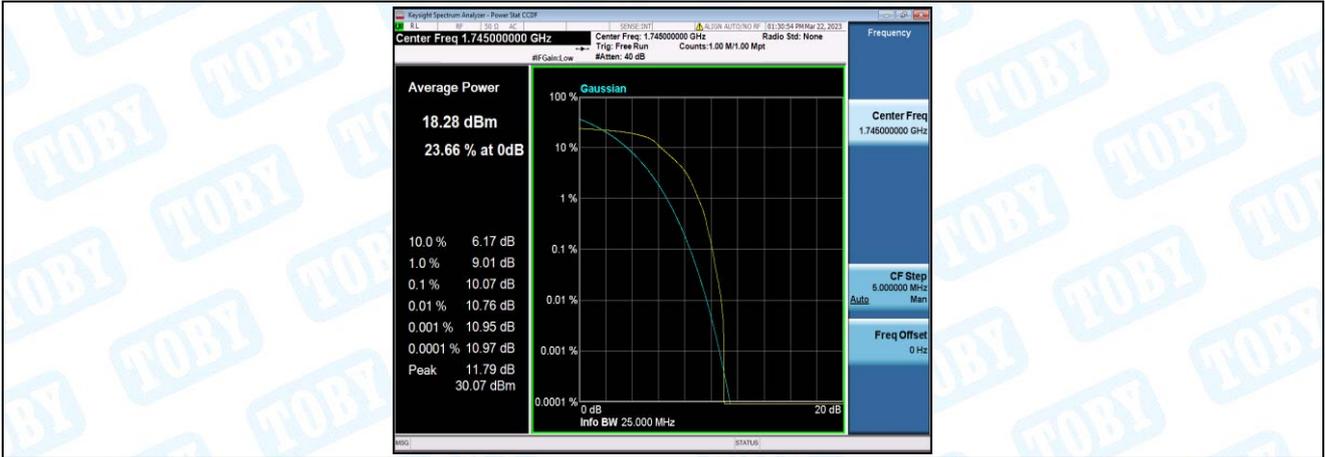

Band66-15MHz-QPSK-132597-6-0-High-9.98-<=13-PASS

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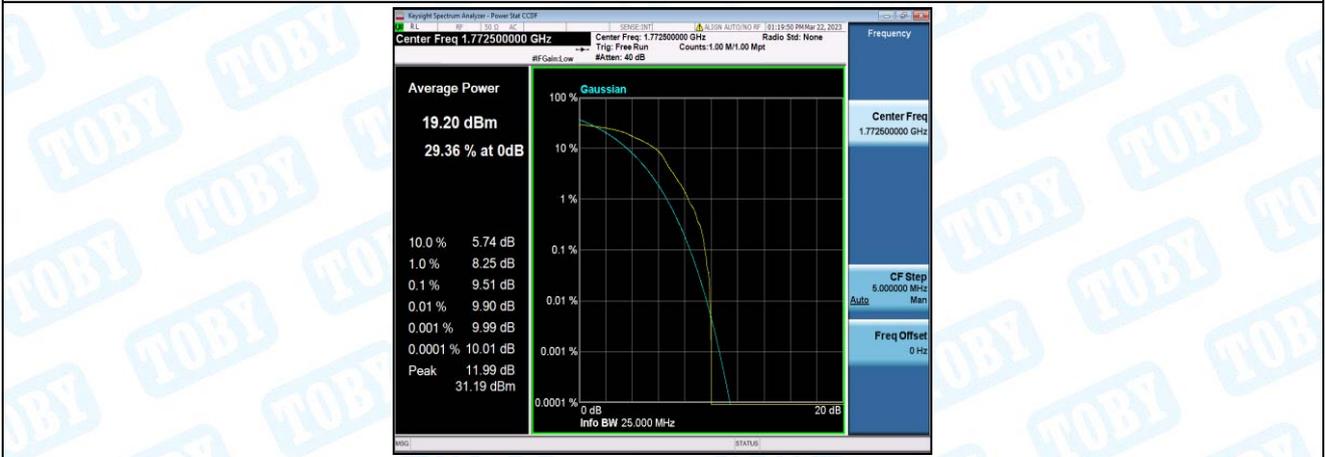Band66-15MHz-16QAM-132047-1-0-Low-10.81-<=13-PASS

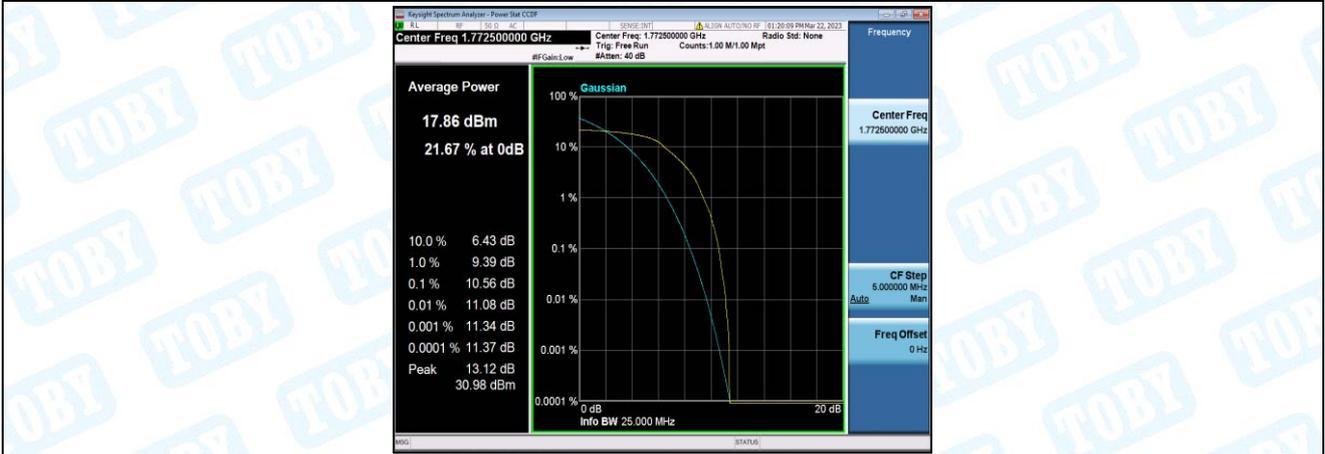Band66-15MHz-16QAM-132047-6-0-Low-9.68-<=13-PASS

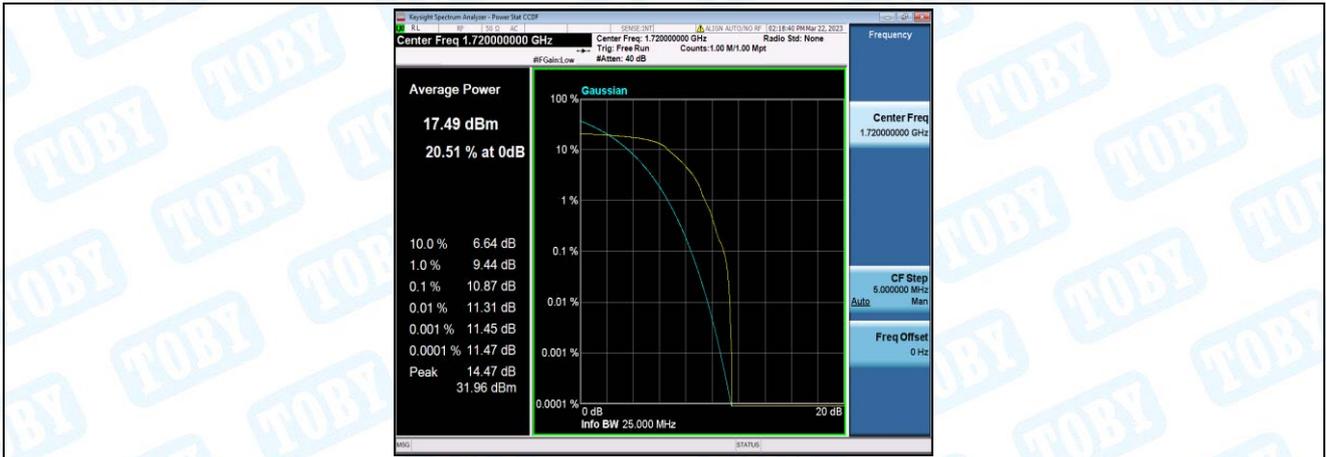Band66-15MHz-16QAM-132322-1-0-Low-10.25-<=13-PASS

Band66-15MHz-16QAM-132322-6-0-Low-10.07-<=13-PASS

Band66-15MHz-16QAM-132597-1-0-High-9.51-<=13-PASS

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Band66-20MHz-QPSK-132072-1-0-Low-10.87-<=13-PASS
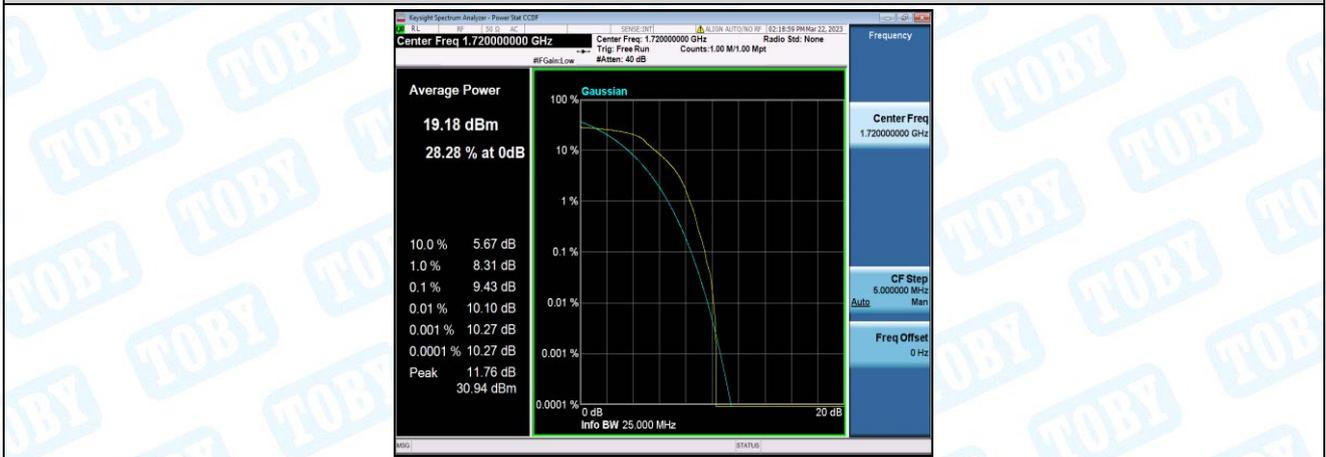
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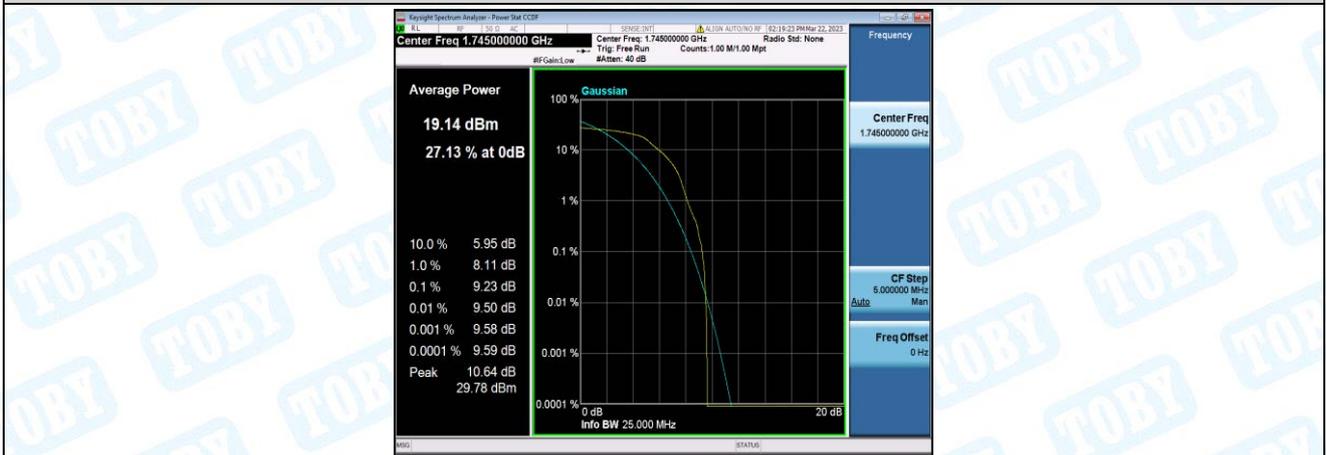
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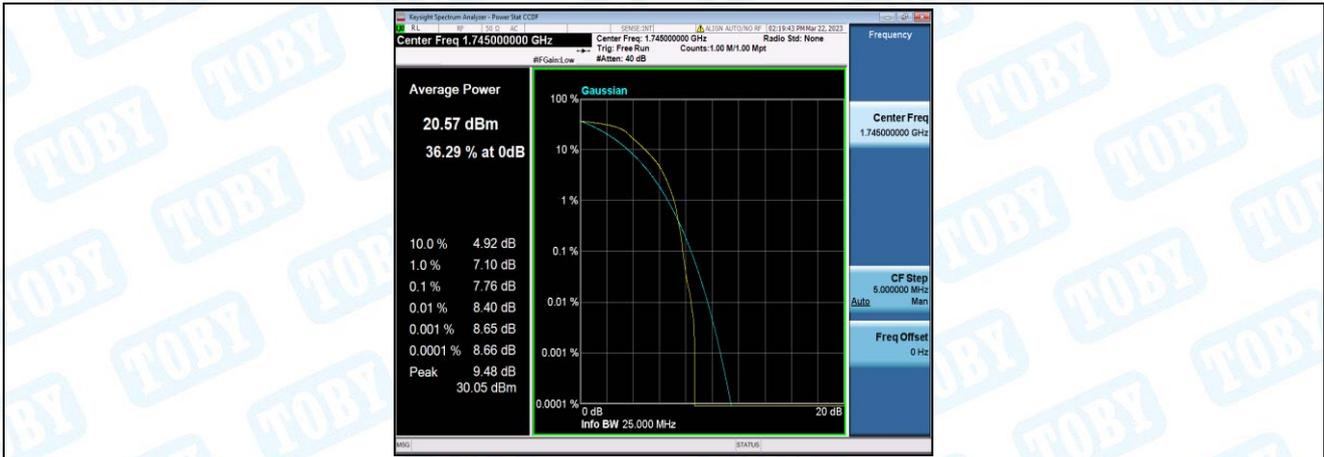
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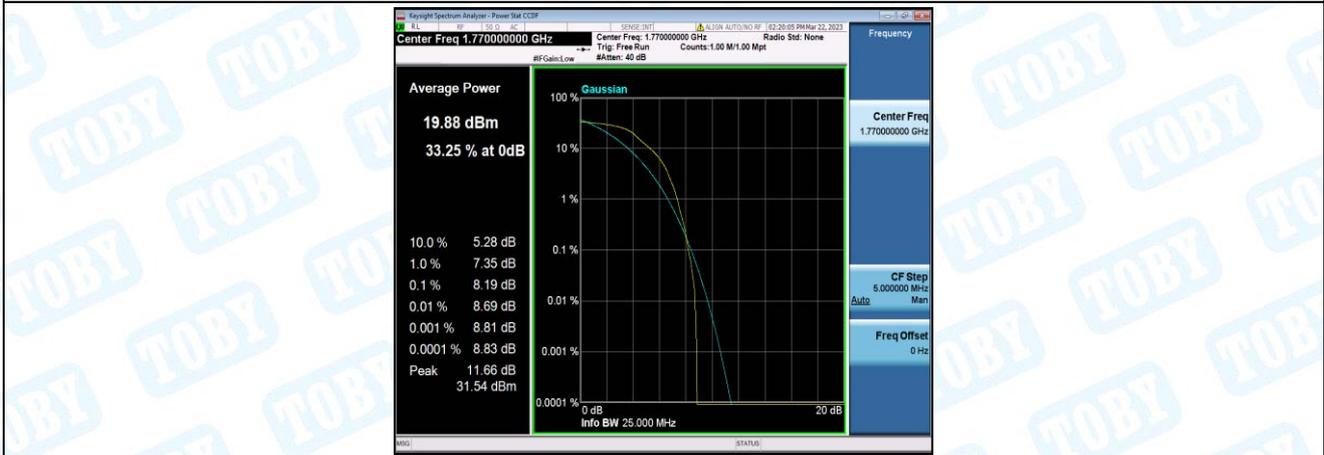
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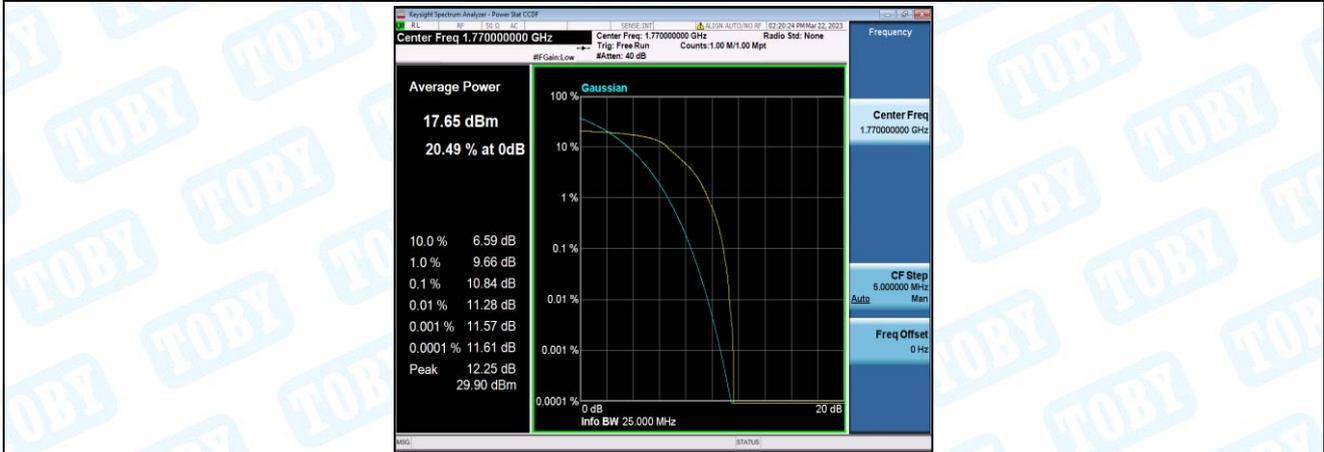
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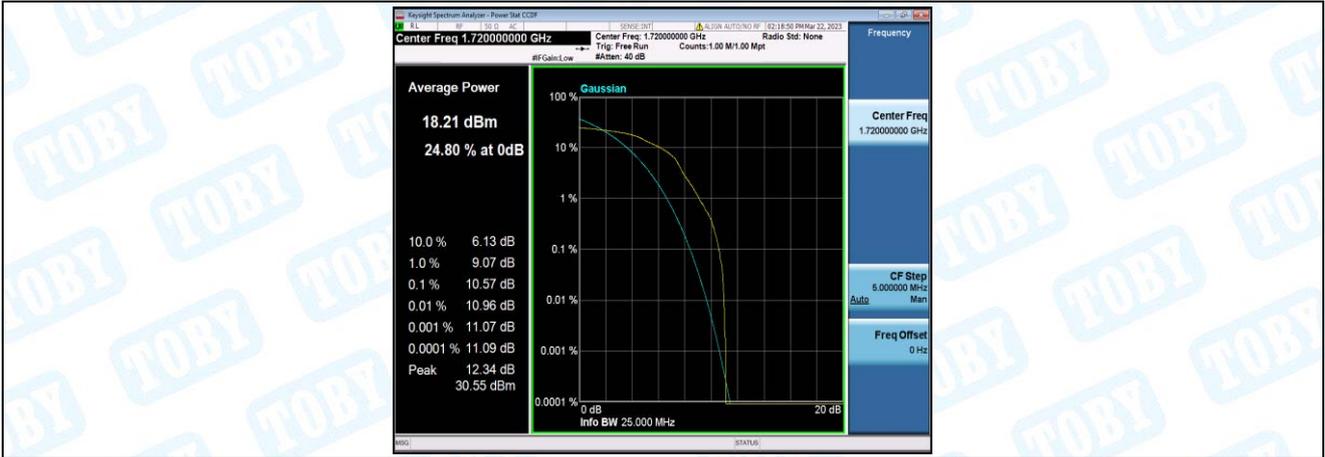
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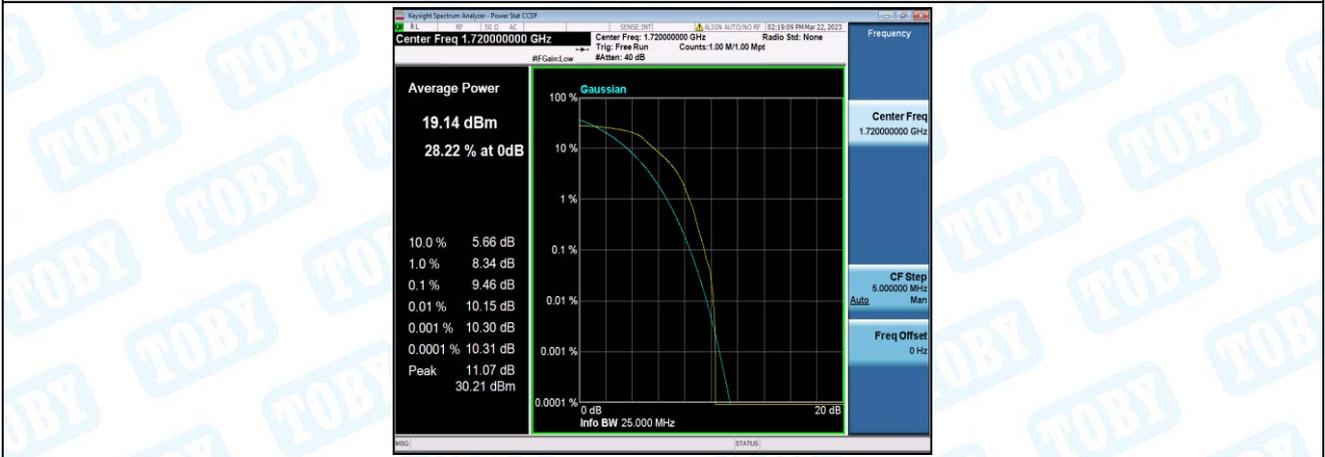
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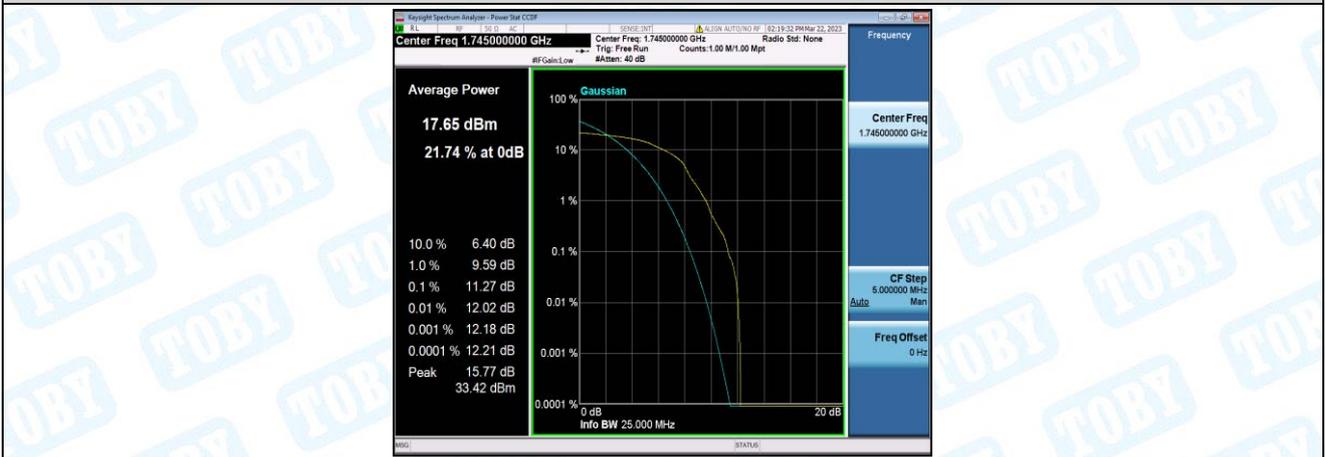
Band66-20MHz-16QAM-132322-1-0-Low-11.27-<=13-PASS

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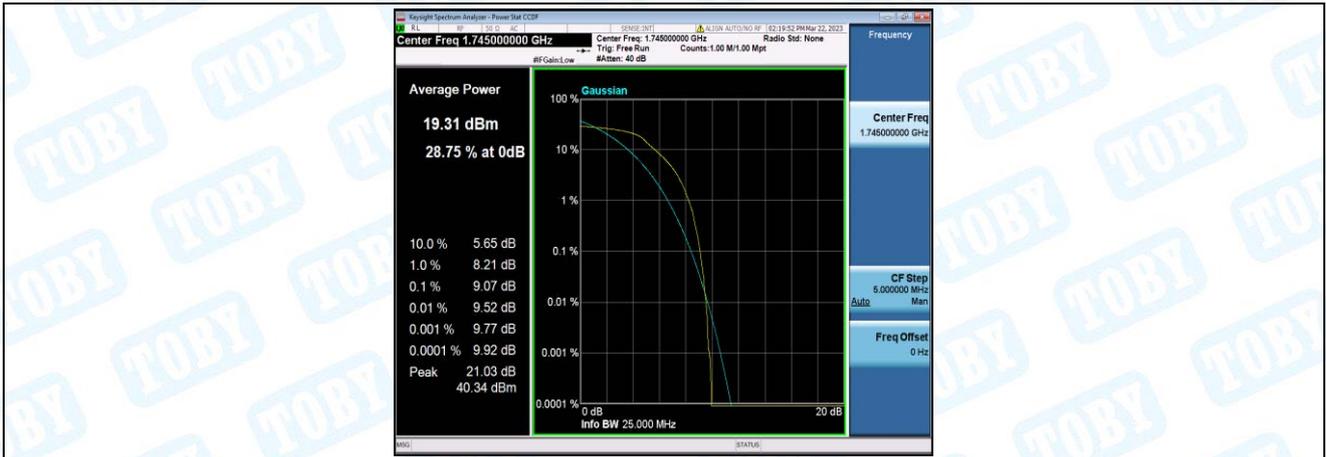
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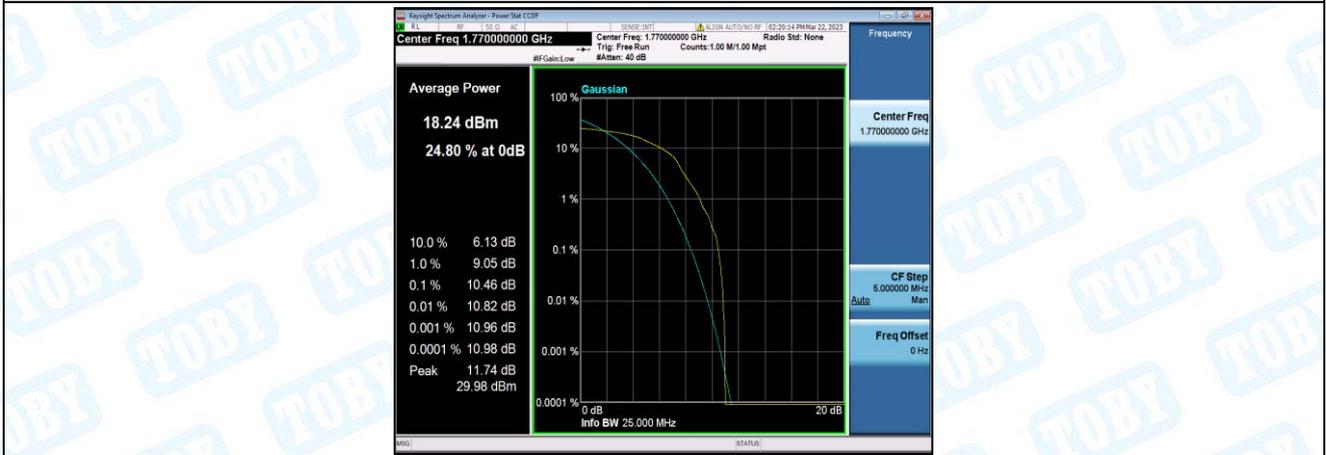
Band66-20MHz-16QAM-132572-1-0-High-10.46-<=13-PASS

Band66-20MHz-16QAM-132572-6-0-High-9.86-<=13-PASS

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3: 26dB Bandwidth and Occupied Bandwidth for M1

3.1 Test Result

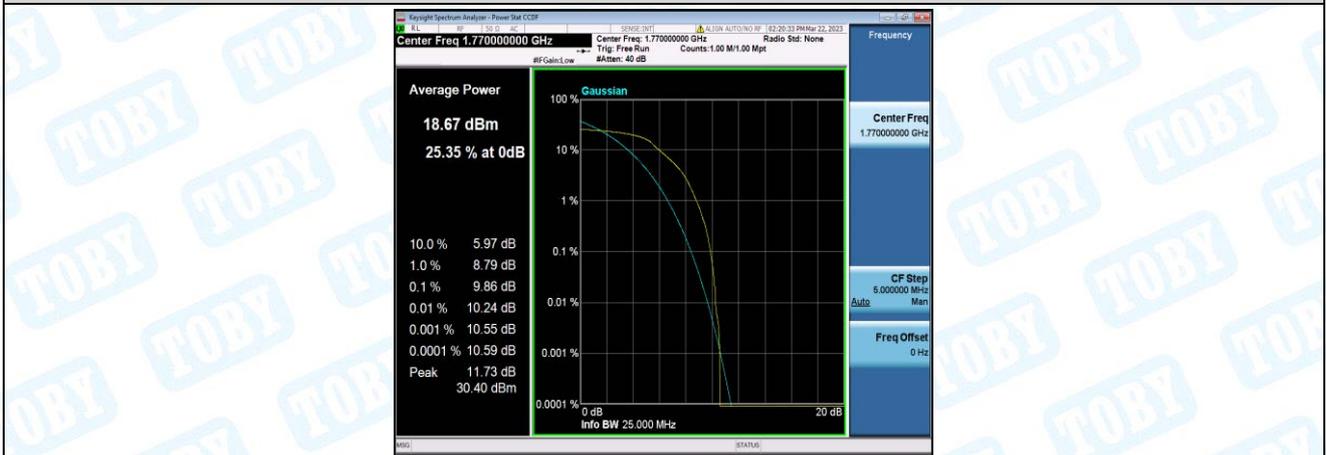| Band	Bandwidth	Channel	Modulation	RB Size	RB Start	NB Index	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band66	1.4MHz	131979	QPSK	6	0	Low	1.1023	1.333	PASS
Band66	1.4MHz	132322	QPSK	6	0	Low	1.1002	1.357	PASS
Band66	1.4MHz	132665	QPSK	6	0	High	1.1114	1.342	PASS
Band66	1.4MHz	131979	16QAM	6	0	Low	1.1026	1.332	PASS
Band66	1.4MHz	132322	16QAM	6	0	Low	1.1032	1.328	PASS
Band66	1.4MHz	132665	16QAM	6	0	High	1.1118	1.352	PASS
Band66	3MHz	131987	QPSK	6	0	Low	1.1343	1.461	PASS
Band66	3MHz	132322	QPSK	6	0	Low	1.1401	1.424	PASS
Band66	3MHz	132657	QPSK	6	0	High	1.1324	1.422	PASS
Band66	3MHz	131987	16QAM	6	0	Low	1.1320	1.465	PASS
Band66	3MHz	132322	16QAM	6	0	Low	1.1370	1.429	PASS
Band66	3MHz	132657	16QAM	6	0	High	1.1398	1.436	PASS
Band66	5MHz	131997	QPSK	6	0	Low	1.2115	1.515	PASS
Band66	5MHz	132322	QPSK	6	0	Low	1.2103	1.667	PASS
Band66	5MHz	132647	QPSK	6	0	High	1.2171	1.483	PASS
Band66	5MHz	131997	16QAM	6	0	Low	1.2129	1.545	PASS
Band66	5MHz	132322	16QAM	6	0	Low	1.2179	1.697	PASS
Band66	5MHz	132647	16QAM	6	0	High	1.2103	1.513	PASS
Band66	10MHz	132022	QPSK	6	0	Low	1.3608	1.761	PASS
Band66	10MHz	132322	QPSK	6	0	Low	1.3868	1.845	PASS
Band66	10MHz	132622	QPSK	6	0	High	1.3658	1.748	PASS
Band66	10MHz	132022	16QAM	6	0	Low	1.3642	1.820	PASS
Band66	10MHz	132322	16QAM	6	0	Low	1.3851	1.923	PASS
Band66	10MHz	132622	16QAM	6	0	High	1.3653	1.803	PASS
Band66	15MHz	132047	QPSK	6	0	Low	1.5395	2.074	PASS
Band66	15MHz	132322	QPSK	6	0	Low	1.5832	2.194	PASS
Band66	15MHz	132597	QPSK	6	0	High	1.5283	2.106	PASS
Band66	15MHz	132047	16QAM	6	0	Low	1.5349	2.087	PASS
Band66	15MHz	132322	16QAM	6	0	Low	1.5915	2.268	PASS
Band66	15MHz	132597	16QAM	6	0	High	1.5356	2.099	PASS
Band66	20MHz	132072	QPSK	6	0	Low	1.9048	2.616	PASS
Band66	20MHz	132322	QPSK	6	0	Low	1.9564	2.728	PASS
Band66	20MHz	132572	QPSK	6	0	High	1.9085	2.662	PASS
Band66	20MHz	132072	16QAM	6	0	Low	1.9145	2.636	PASS
Band66	20MHz	132322	16QAM	6	0	Low	1.9610	2.760	PASS
Band66	20MHz	132572	16QAM	6	0	High	1.9182	2.720	PASS

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3.2 Test Graphs

Band66-1.4MHz-QPSK-131979-6-0-Low-1.1023-1.333-PASS

Band66-1.4MHz-QPSK-132322-6-0-Low-1.1002-1.357-PASS

Band66-1.4MHz-QPSK-132665-6-0-High-1.1114-1.342-PASS

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Band66-1.4MHz-16QAM-131979-6-0-Low-1.1026-1.332-PASS

Band66-1.4MHz-16QAM-132322-6-0-Low-1.1032-1.328-PASS

Band66-1.4MHz-16QAM-132665-6-0-High-1.1118-1.352-PASS