

Appendix K: Test Data for E-UTRA Band 41

Product Name: Cellular Wi-Fi Router

Trade Mark:  *Connecting things*
Hongdian

Test Model: H8959-4GSPT

Environmental Conditions

Temperature:	22.9 ° C
Relative Humidity:	54.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Alisa Huang
Supervised by:	Tom.Liu

K.1: Conducted Output Power Data

Test Result

Channel Bandwidth: 5 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.16	PASS
		1	12	22.93	PASS
		1	24	22.35	PASS
		12	0	22.32	PASS
		12	6	22.16	PASS
		12	13	21.87	PASS
		25	0	21.99	PASS
	MCH	1	0	23.36	PASS
		1	12	23.76	PASS
		1	24	23.7	PASS
		12	0	22.56	PASS
		12	6	22.59	PASS
		12	13	22.77	PASS
		25	0	22.61	PASS

	HCH	1	0	23.54	PASS
		1	12	23.91	PASS
		1	24	23.54	PASS
		12	0	23.45	PASS
		12	6	23.5	PASS
		12	13	23.38	PASS
		25	0	23.49	PASS
16QAM	LCH	1	0	23.22	PASS
		1	12	22.96	PASS
		1	24	22.33	PASS
		12	0	21.46	PASS
		12	6	21.32	PASS
		12	13	21.23	PASS
		25	0	21.06	PASS
	MCH	1	0	21.68	PASS
		1	12	21.87	PASS
		1	24	21.85	PASS
		12	0	21.62	PASS
		12	6	21.77	PASS
		12	13	21.96	PASS
		25	0	21.57	PASS
	HCH	1	0	23.10	PASS
		1	12	23.02	PASS
		1	24	23.18	PASS
		12	0	22.64	PASS
		12	6	22.7	PASS
		12	13	22.59	PASS
		25	0	22.59	PASS

Channel Bandwidth: 10 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.29	PASS
		1	24	23.08	PASS
		1	49	22.82	PASS
		25	0	21.99	PASS
		25	12	21.66	PASS
		25	25	21.15	PASS
		50	0	21.59	PASS
	MCH	1	0	23.35	PASS
		1	24	23.89	PASS
		1	49	23.56	PASS
		25	0	22.62	PASS
		25	12	22.71	PASS
		25	25	22.78	PASS
		50	0	22.7	PASS
	HCH	1	0	23.87	PASS
		1	24	23.63	PASS
		1	49	23.80	PASS
		25	0	23.46	PASS
		25	12	23.56	PASS
		25	25	23.47	PASS
		50	0	23.47	PASS
16QAM	LCH	1	0	22.69	PASS
		1	24	22.24	PASS
		1	49	21.1	PASS
		25	0	20.99	PASS
		25	12	20.75	PASS
		25	25	20.37	PASS
		50	0	20.49	PASS
	MCH	1	0	22.7	PASS
		1	24	22.96	PASS
		1	49	22.87	PASS
		25	0	21.72	PASS
		25	12	21.93	PASS
		25	25	21.9	PASS
		50	0	21.53	PASS
	HCH	1	0	22.82	PASS
		1	24	22.90	PASS
		1	49	22.69	PASS

		25	0	22.44	PASS
		25	12	22.55	PASS
		25	25	22.48	PASS
		50	0	22.56	PASS

Channel Bandwidth: 15 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.11	PASS
		1	37	22.43	PASS
		1	74	22.24	PASS
		37	0	21.75	PASS
		37	18	21.48	PASS
		37	38	21.03	PASS
		75	0	21.36	PASS
	MCH	1	0	23.41	PASS
		1	37	23.95	PASS
		1	74	23.74	PASS
		37	0	22.57	PASS
		37	18	22.75	PASS
		37	38	22.79	PASS
		75	0	22.74	PASS
	HCH	1	0	23.63	PASS
		1	37	23.65	PASS
		1	74	23.36	PASS
		37	0	23.26	PASS
		37	18	23.45	PASS
		37	38	23.42	PASS
		75	0	23.45	PASS
16QAM	LCH	1	0	22.76	PASS
		1	37	22.94	PASS
		1	74	22.16	PASS
		37	0	21.76	PASS
		37	18	21.34	PASS
		37	38	20.99	PASS
		75	0	21.49	PASS
	MCH	1	0	22.76	PASS
		1	37	23.29	PASS
		1	74	23.02	PASS
		37	0	21.48	PASS
		37	18	21.71	PASS

		37	38	21.74	PASS
		75	0	21.78	PASS
	HCH	1	0	23.06	PASS
		1	37	23.39	PASS
		1	74	23.15	PASS
		37	0	22.26	PASS
		37	18	22.53	PASS
		37	38	22.43	PASS
		75	0	22.52	PASS

Channel Bandwidth: 20 MHz

Modulation	Channel	RB Configuration		Average Power [dBm]	Verdict
		Size	Offset		
QPSK	LCH	1	0	23.1	PASS
		1	49	22.32	PASS
		1	99	22.01	PASS
		50	0	21.55	PASS
		50	25	21.3	PASS
		50	50	21.12	PASS
		100	0	21.39	PASS
	MCH	1	0	23.01	PASS
		1	49	23.84	PASS
		1	99	23.32	PASS
		50	0	22.53	PASS
		50	25	22.83	PASS
		50	50	22.88	PASS
		100	0	22.84	PASS
	HCH	1	0	23.85	PASS
		1	49	23.89	PASS
		1	99	23.67	PASS
		50	0	23.3	PASS
		50	25	23.43	PASS
		50	50	23.47	PASS
		100	0	23.42	PASS
16QAM	LCH	1	0	22.83	PASS
		1	49	22.14	PASS
		1	99	21.92	PASS
		50	0	21.55	PASS
		50	25	21.32	PASS
		50	50	21.15	PASS
		100	0	21.41	PASS
	MCH	1	0	22.19	PASS

		1	49	22.93	PASS
		1	99	22.24	PASS
		50	0	21.63	PASS
		50	25	21.88	PASS
		50	50	21.85	PASS
		100	0	21.86	PASS
	HCH	1	0	23.02	PASS
		1	49	23.15	PASS
		1	99	23.28	PASS
		50	0	22.33	PASS
		50	25	22.59	PASS
		50	50	22.51	PASS
		100	0	22.48	PASS

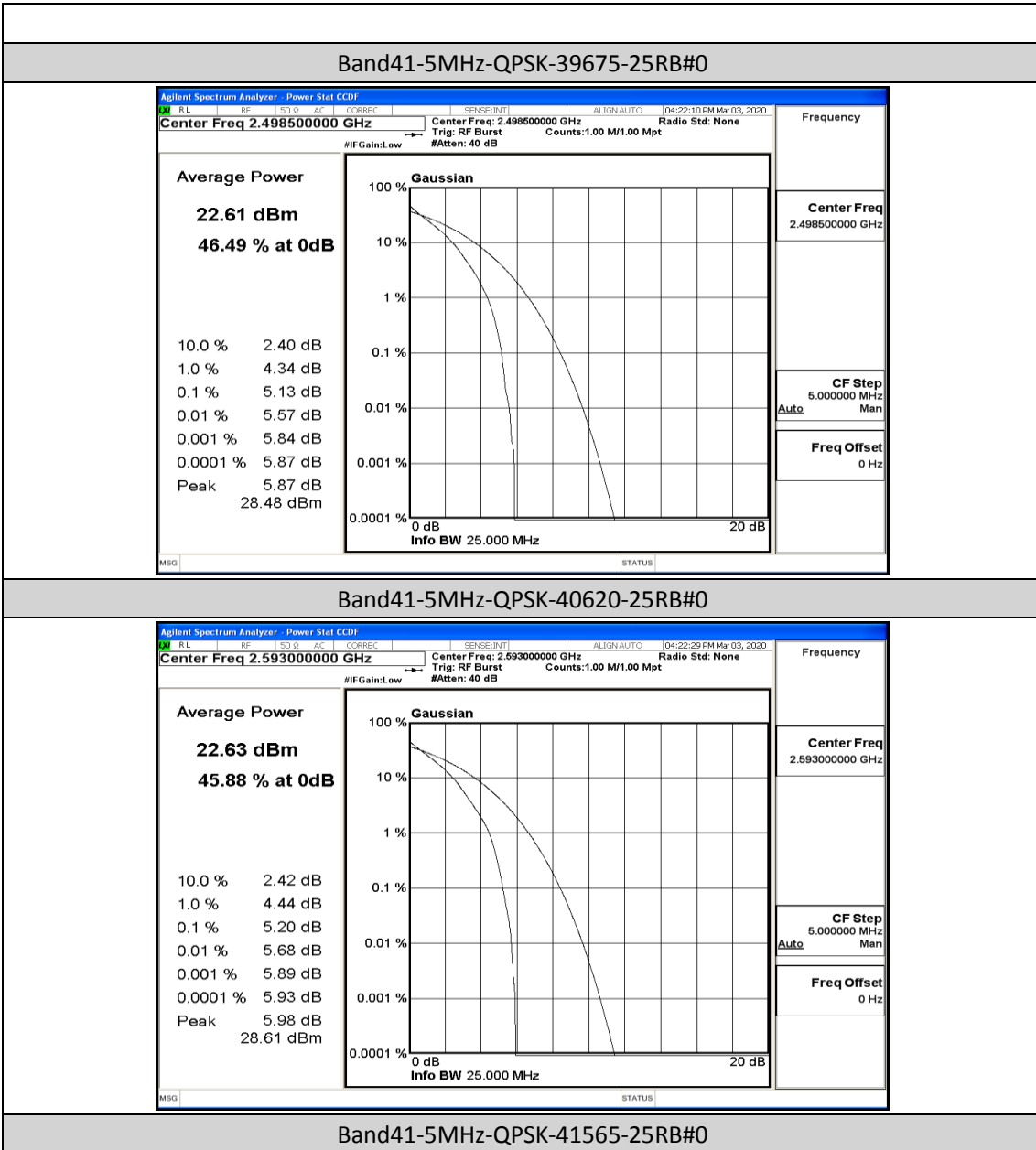
K.2: Peak-to-Average Ratio

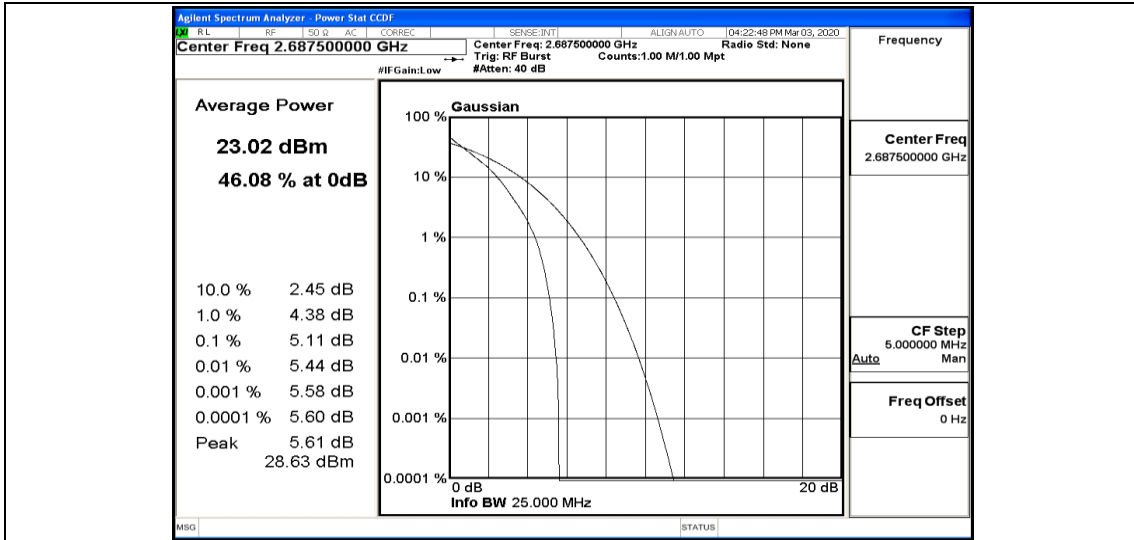
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	5.13	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.20	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.11	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	5.96	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.02	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	5.97	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	5.59	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.07	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	5.06	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.20	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	5.32	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.08	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	6.19	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	5.94	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	5.89	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.07	13	PASS
Band41	10MHz	16QAM	41540	1RB#0	5.74	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	6.01	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	5.08	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.26	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	4.77	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.37	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	4.78	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.27	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	6.09	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	5.99	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	5.59	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.09	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	6.03	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	5.98	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	4.66	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.13	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	5.11	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.20	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	5.07	13	PASS

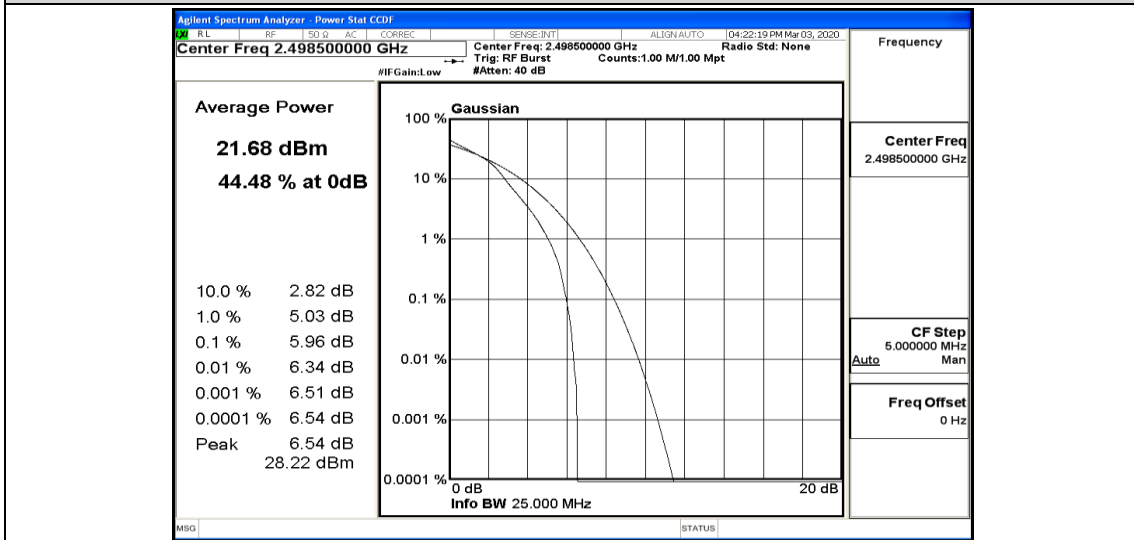
Band41	20MHz	QPSK	41490	100RB#0	5.05	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	5.54	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	5.96	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	6.11	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.05	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	5.83	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	5.87	13	PASS

Test Graphs

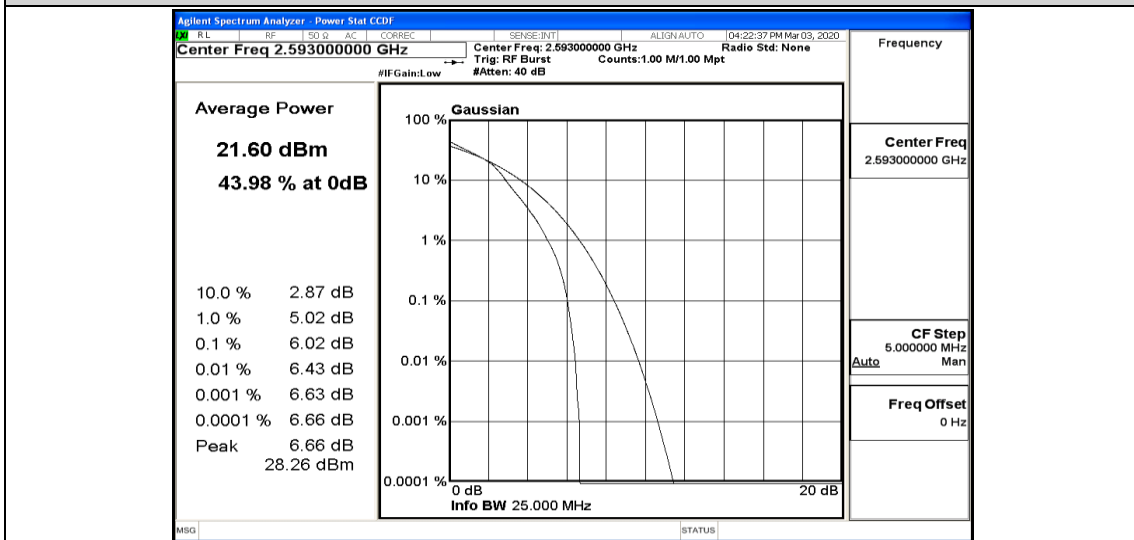

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Band41-5MHz-QPSK-41565-25RB#0



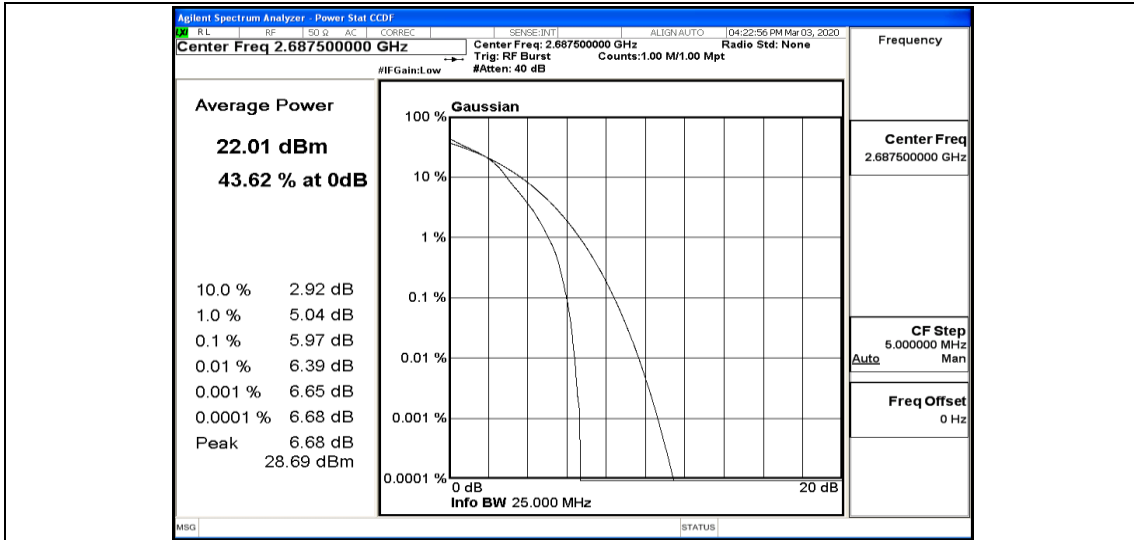
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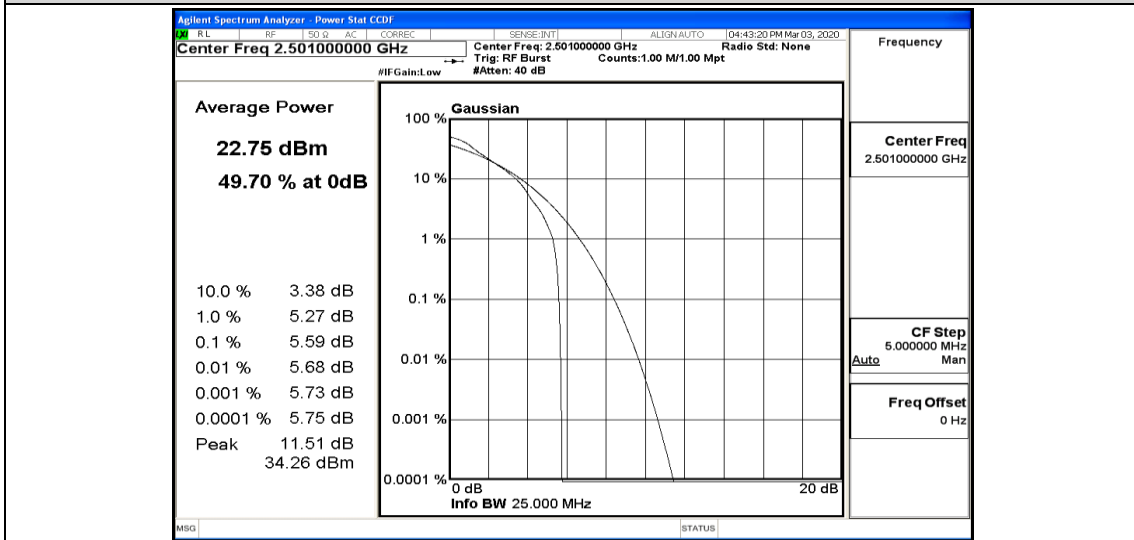
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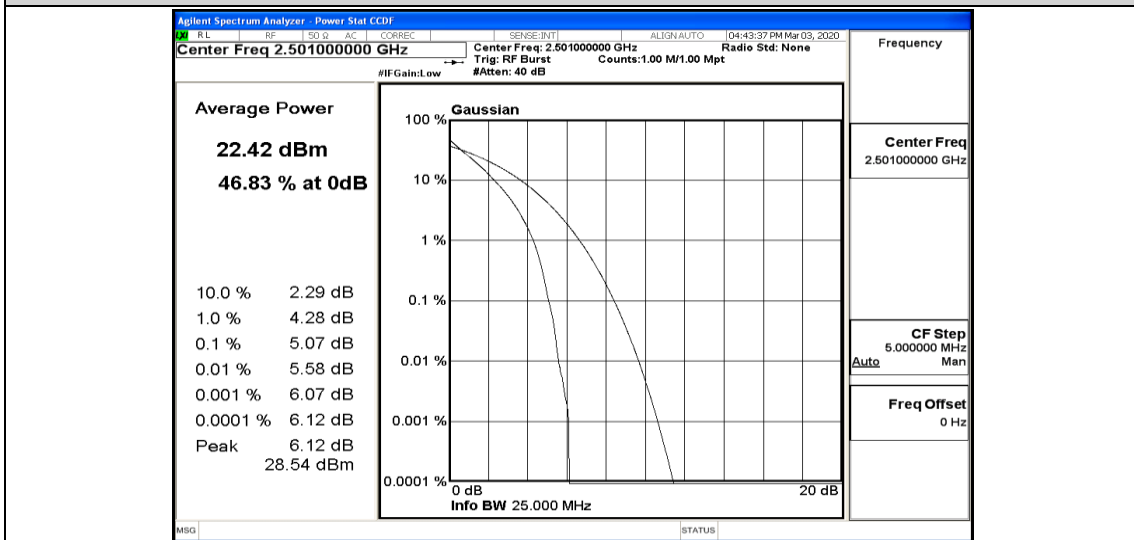
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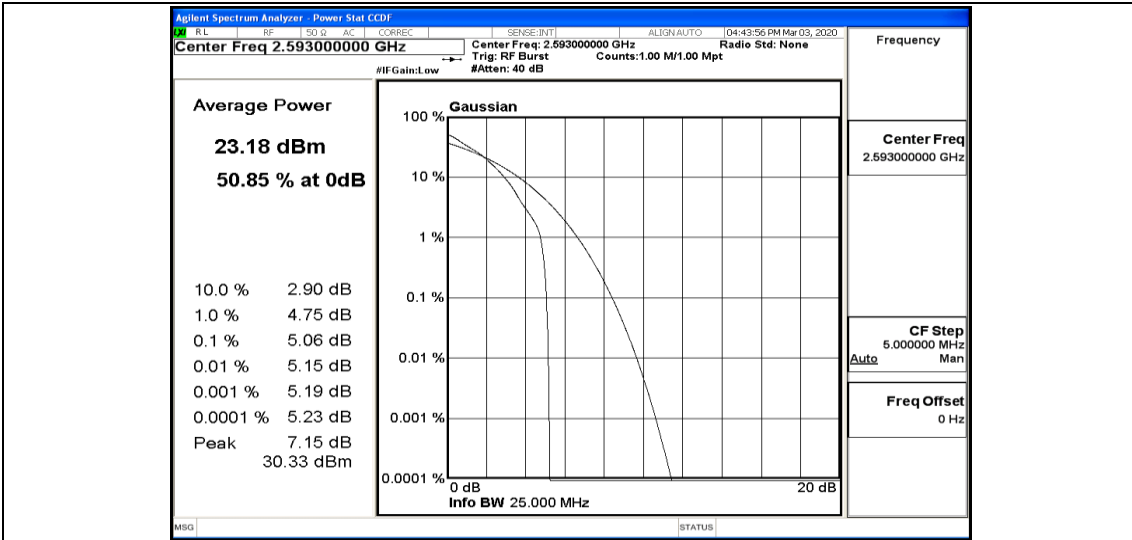
Band41-10MHz-QPSK-39700-1RB#0



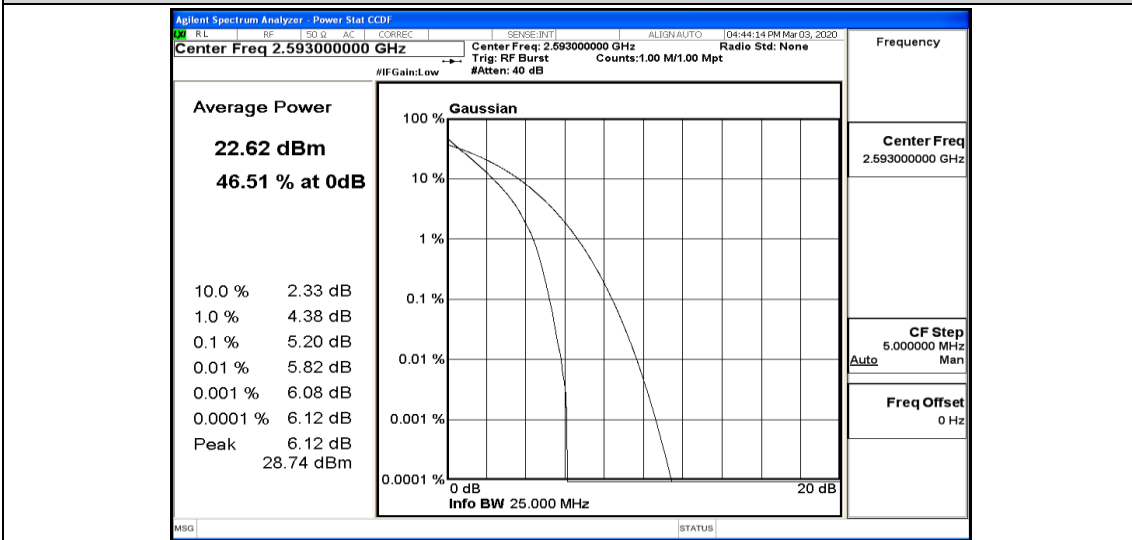
Band41-10MHz-QPSK-39700-50RB#0



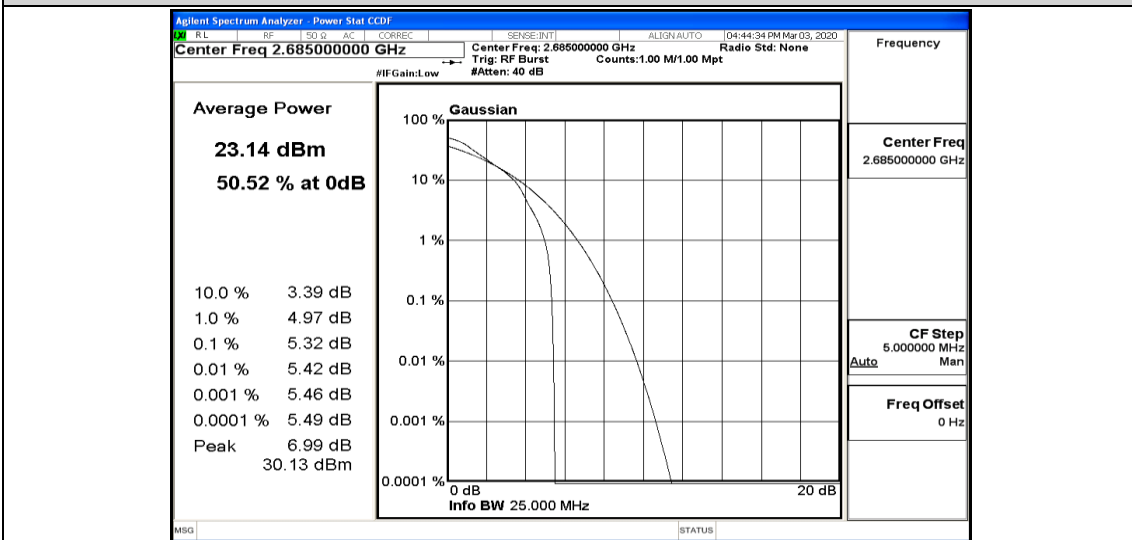
Band41-10MHz-QPSK-40620-1RB#0



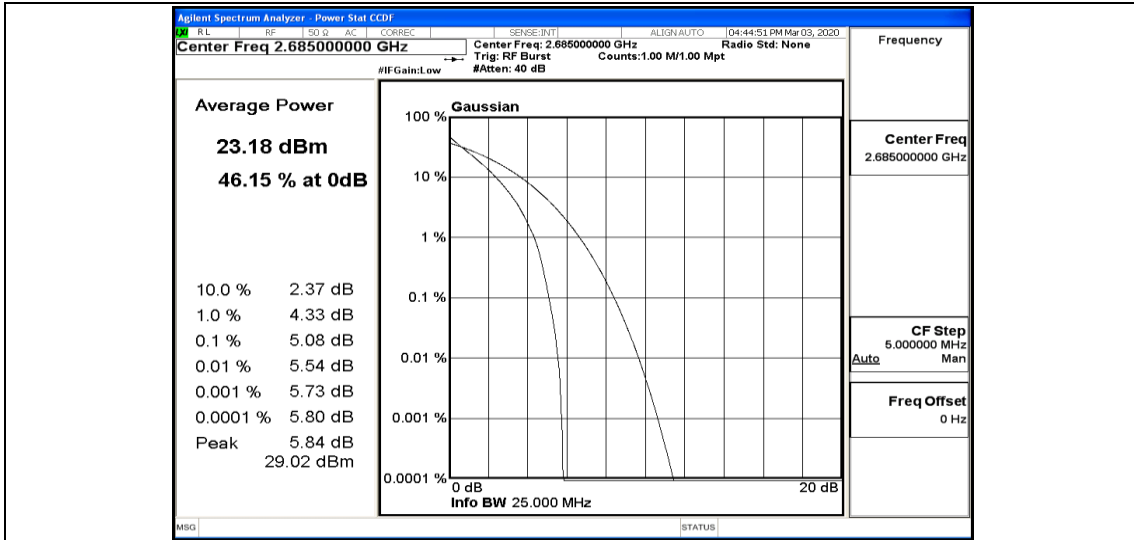
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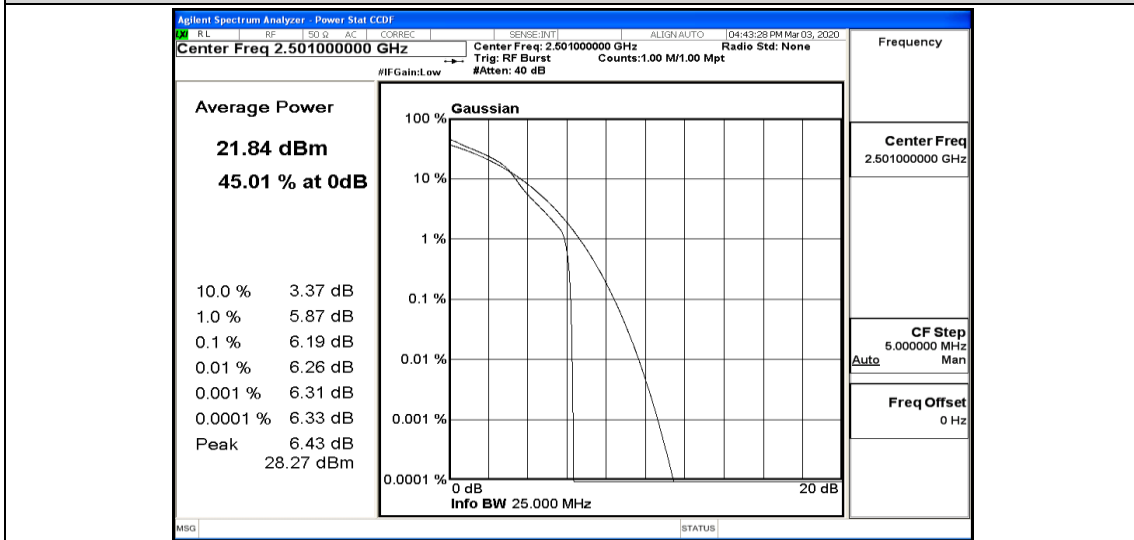
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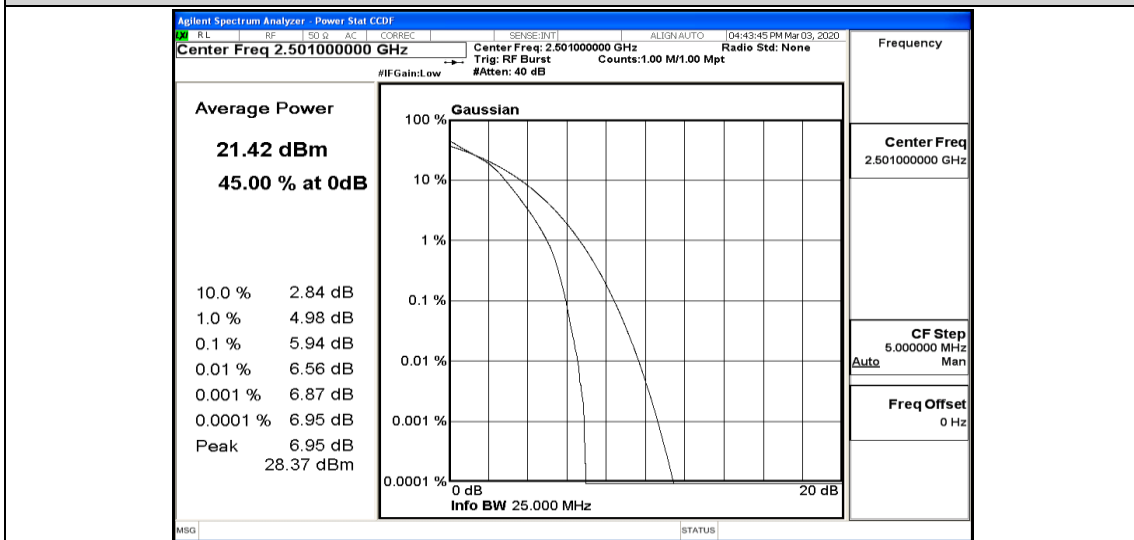
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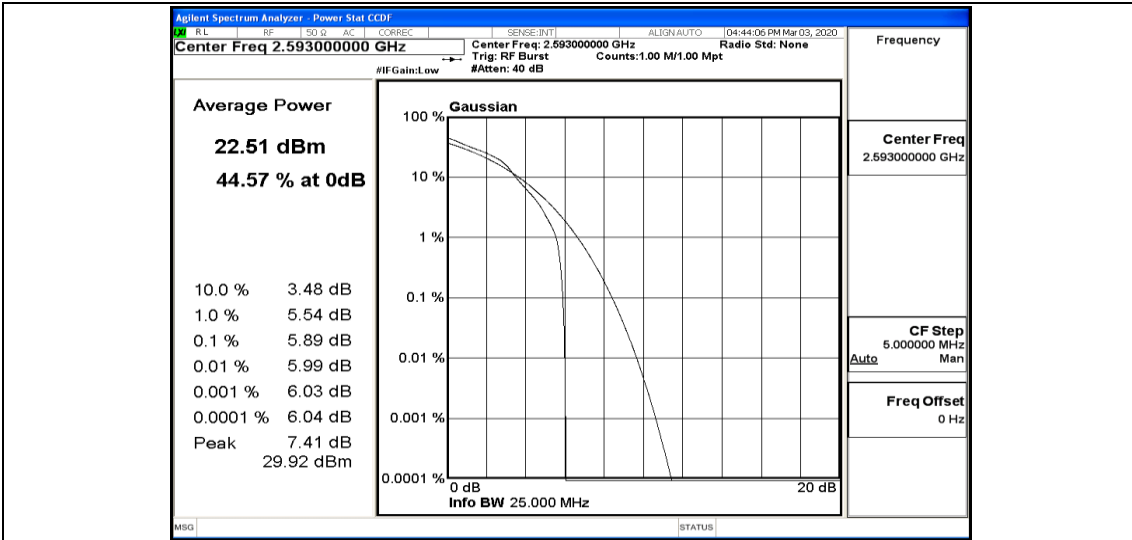
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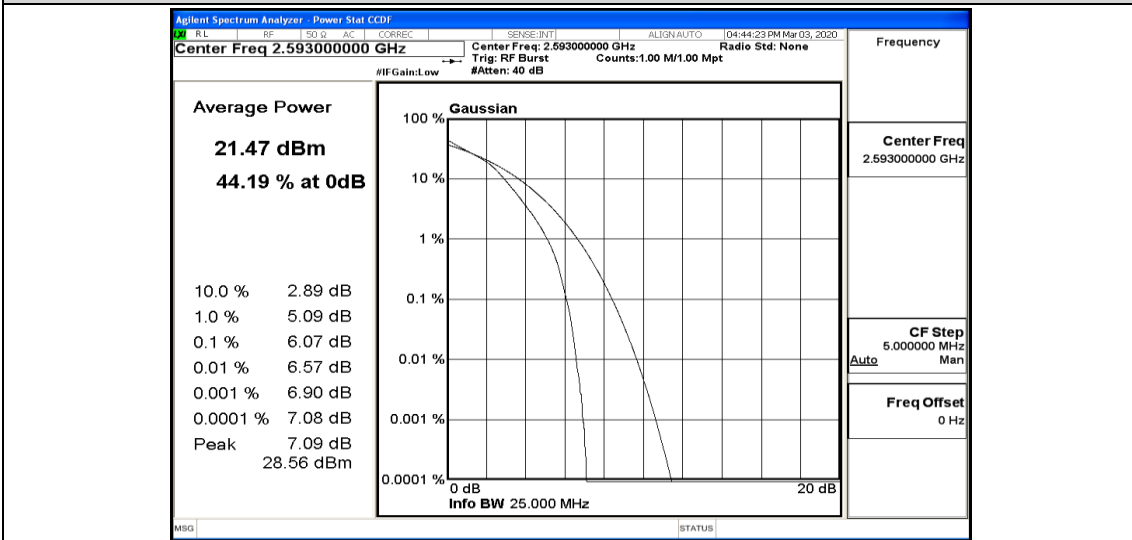
Band41-10MHz-16QAM-39700-50RB#0



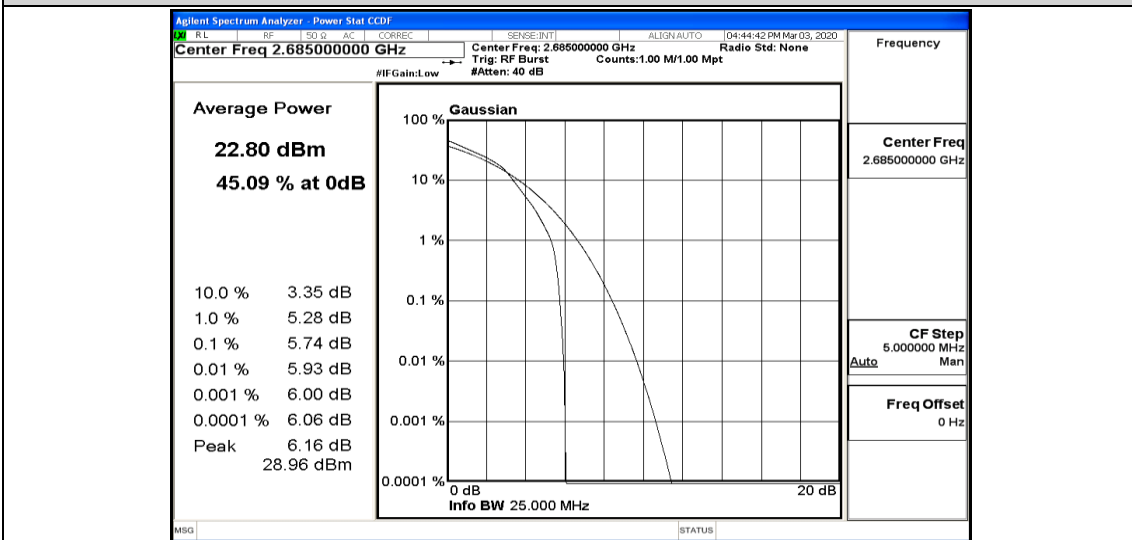
Band41-10MHz-16QAM-40620-1RB#0



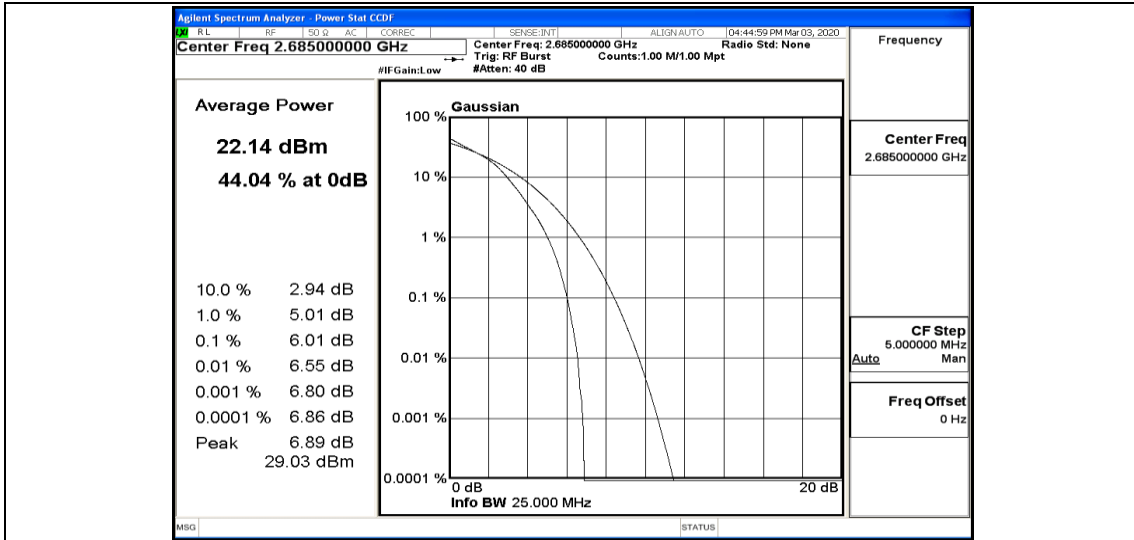
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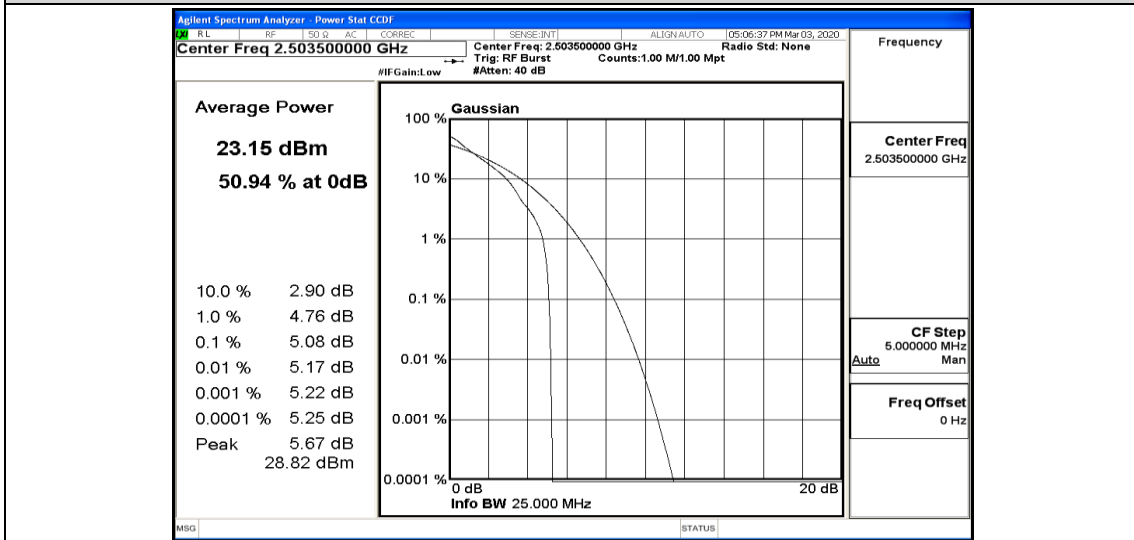
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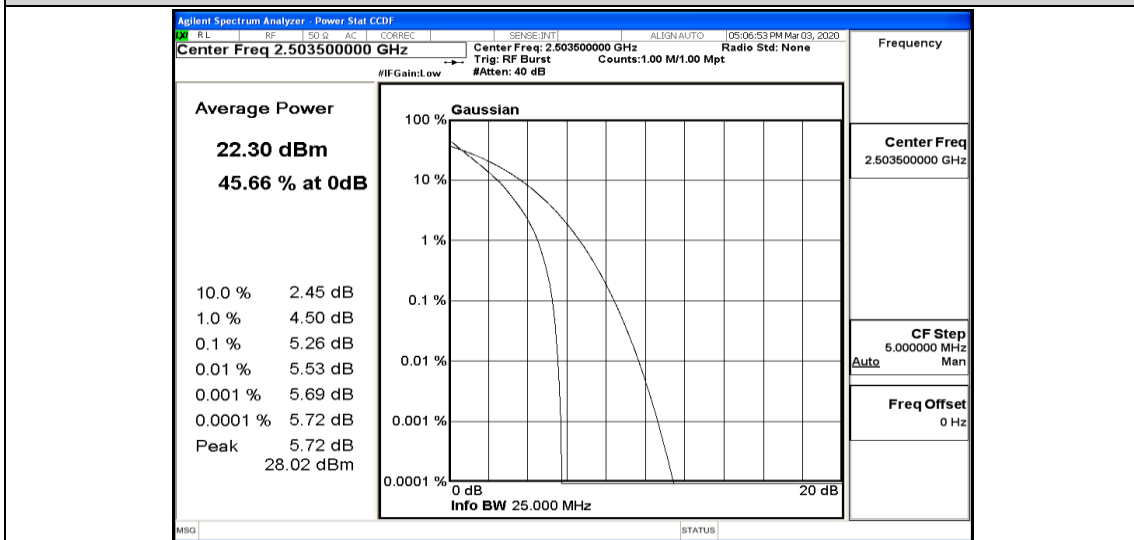
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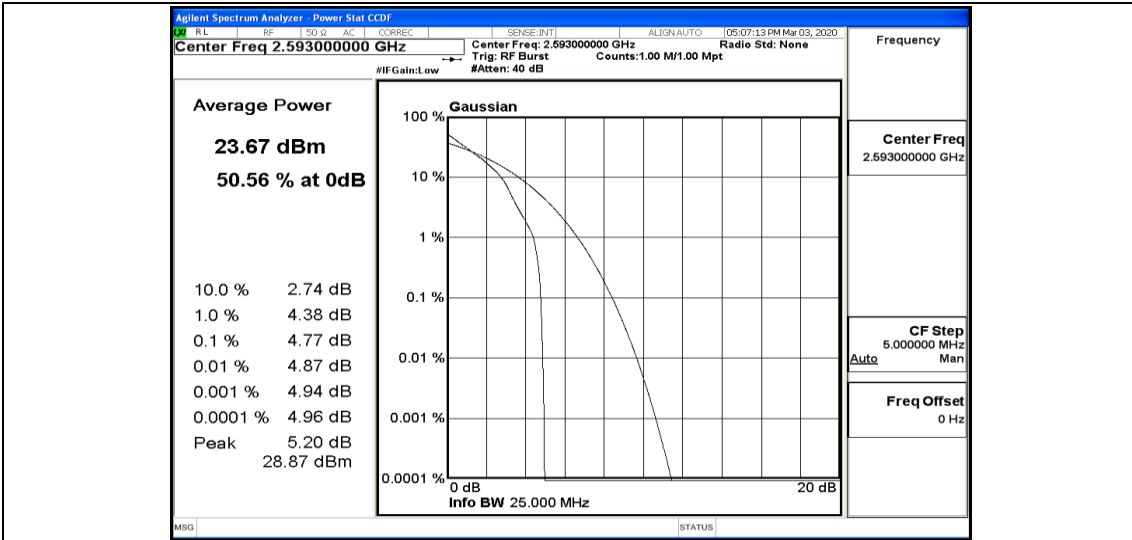
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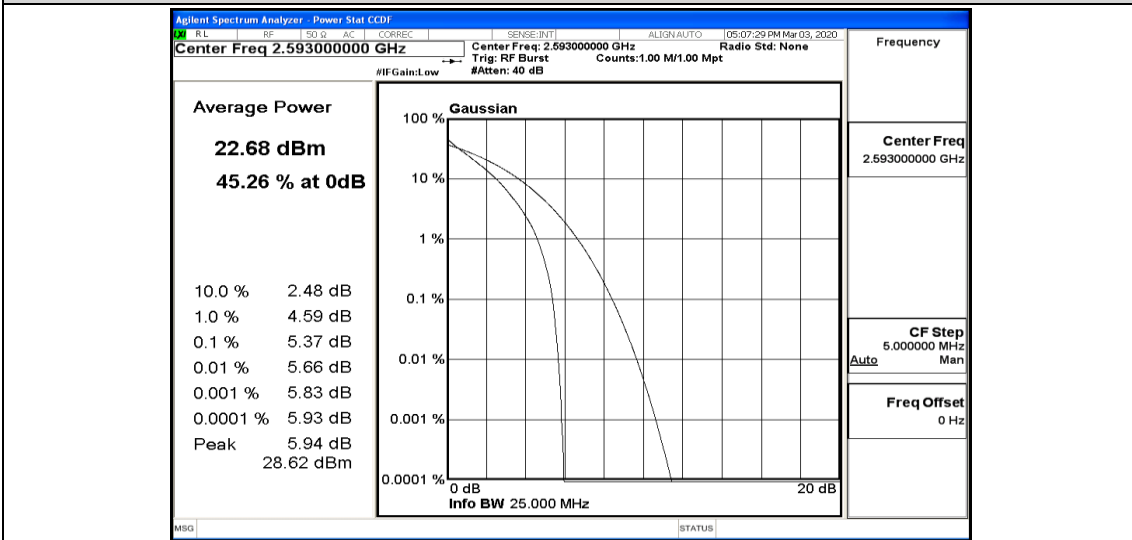
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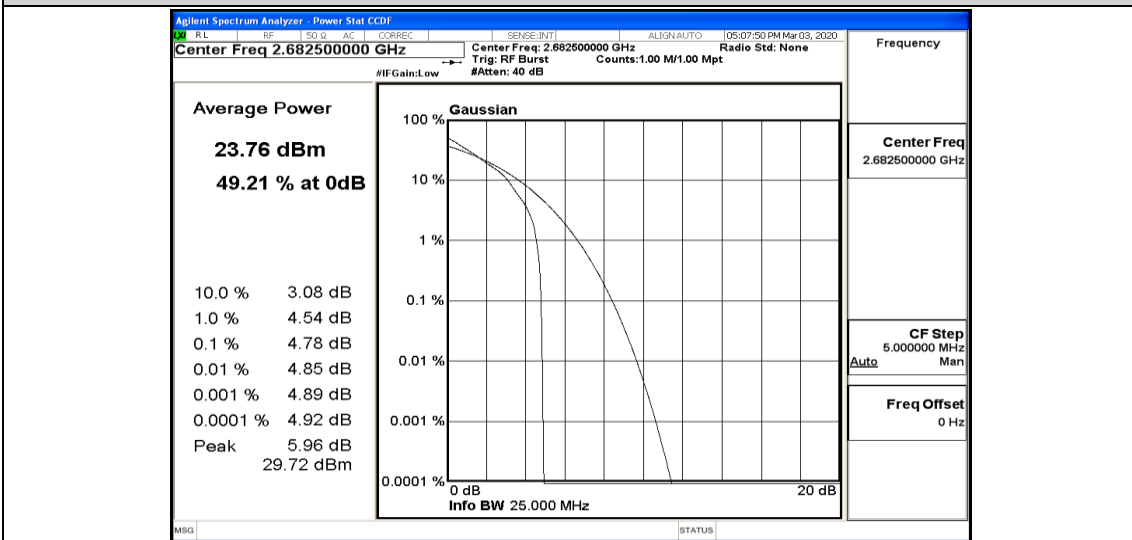
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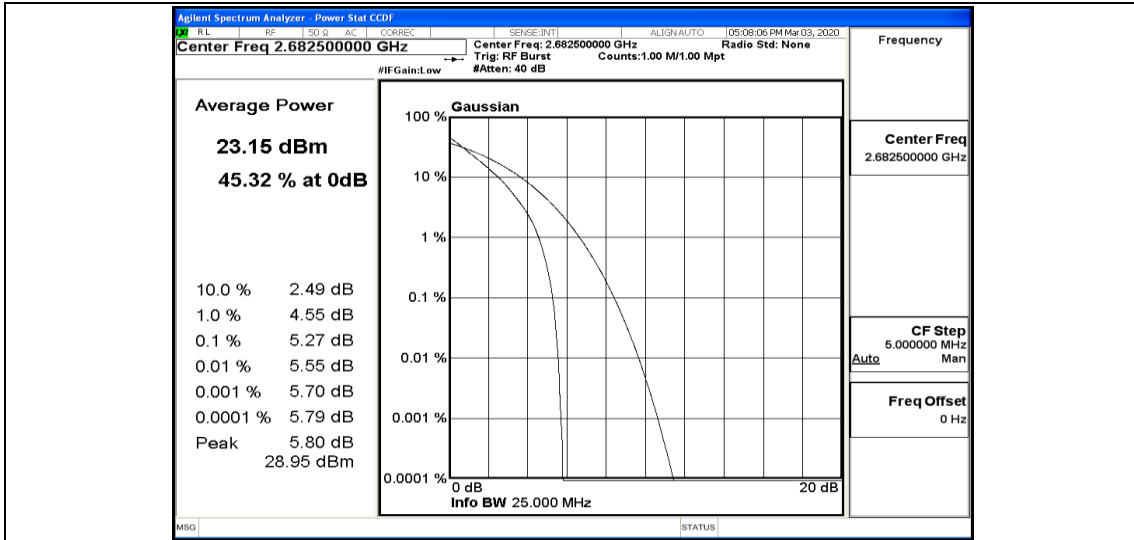
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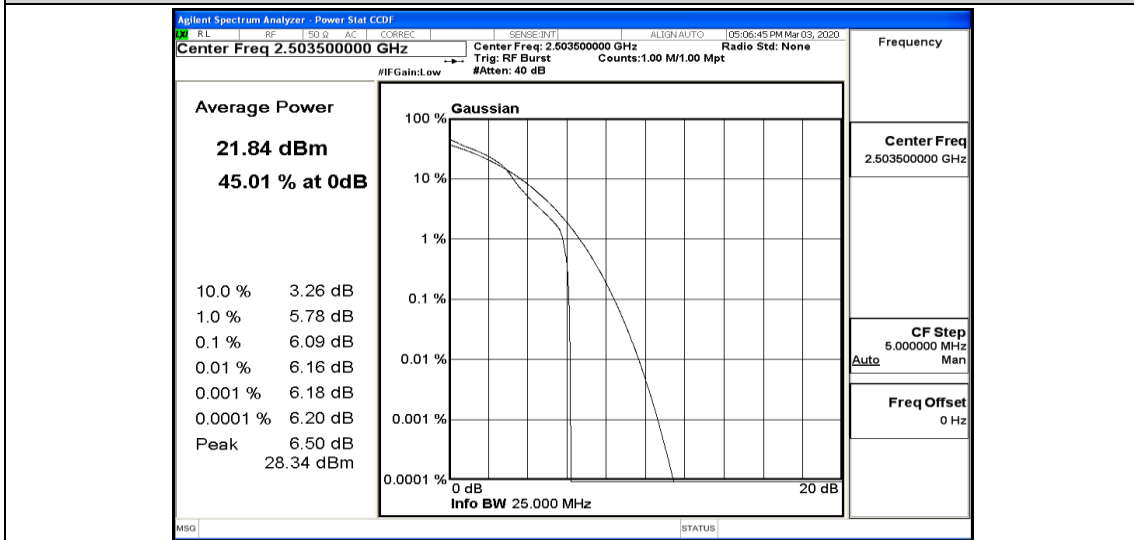
Band41-15MHz-QPSK-41515-1RB#0



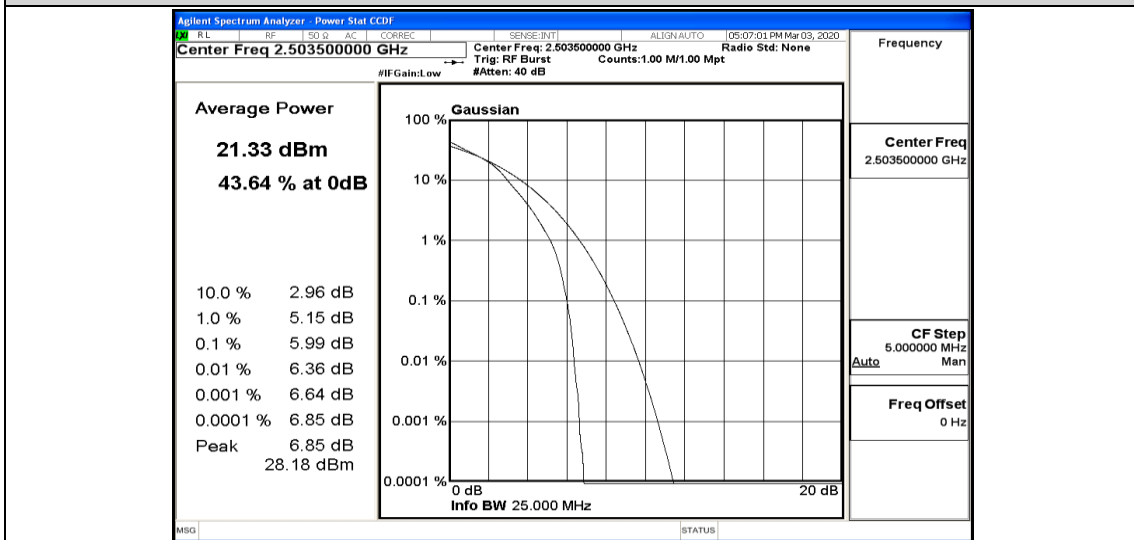
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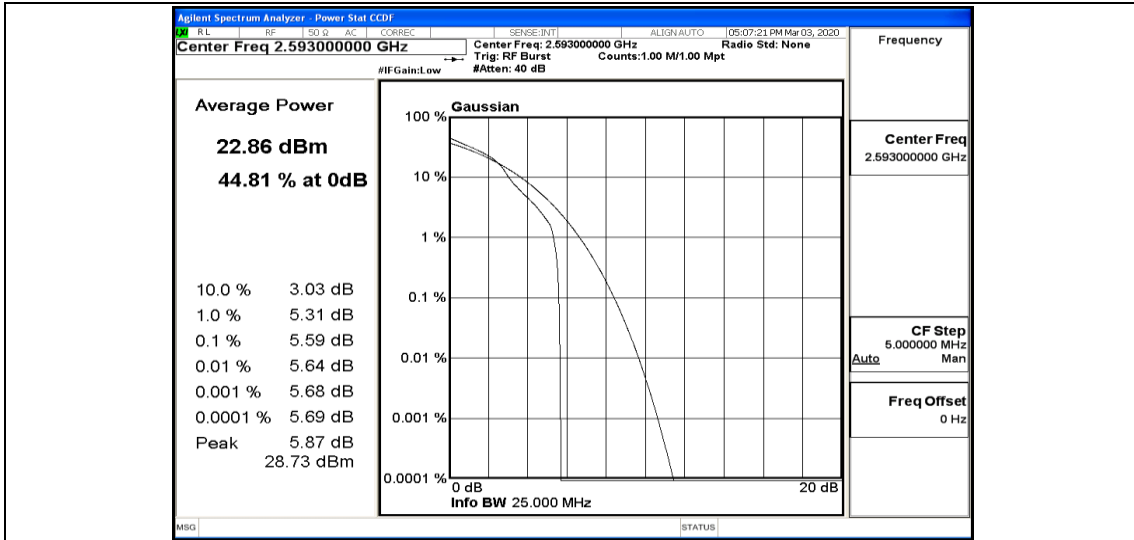
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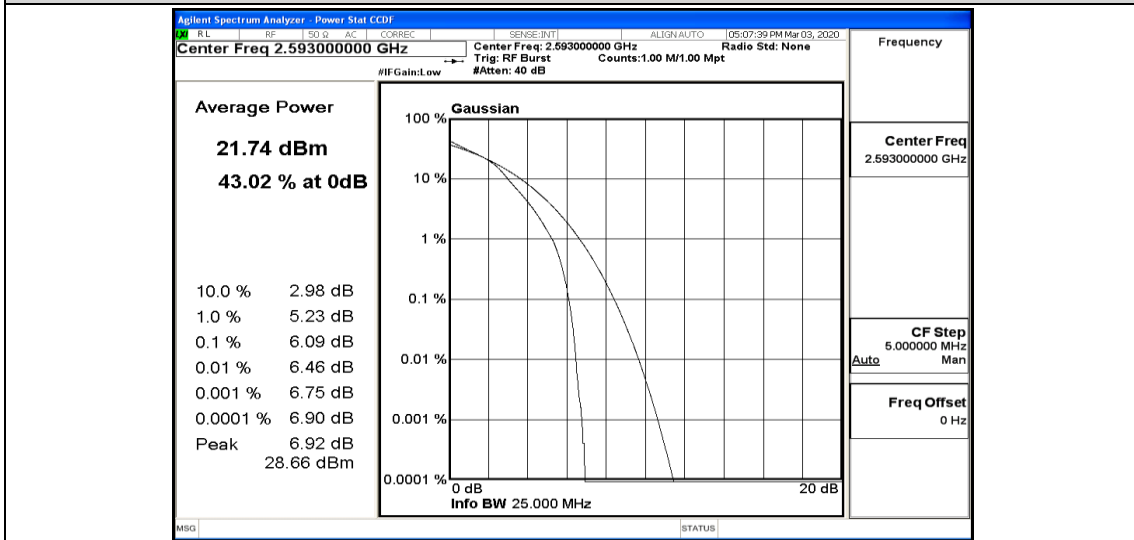
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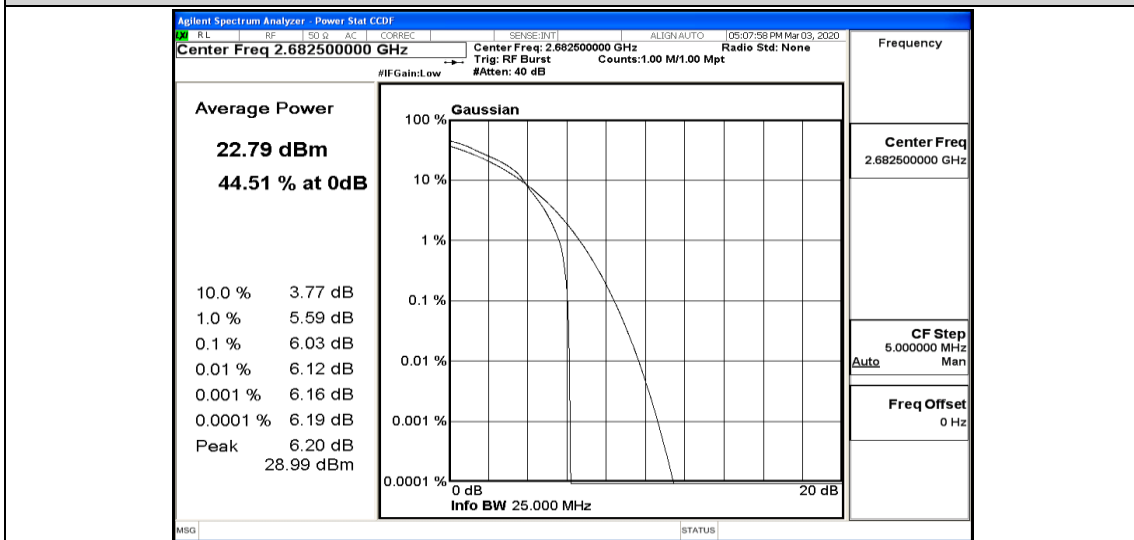
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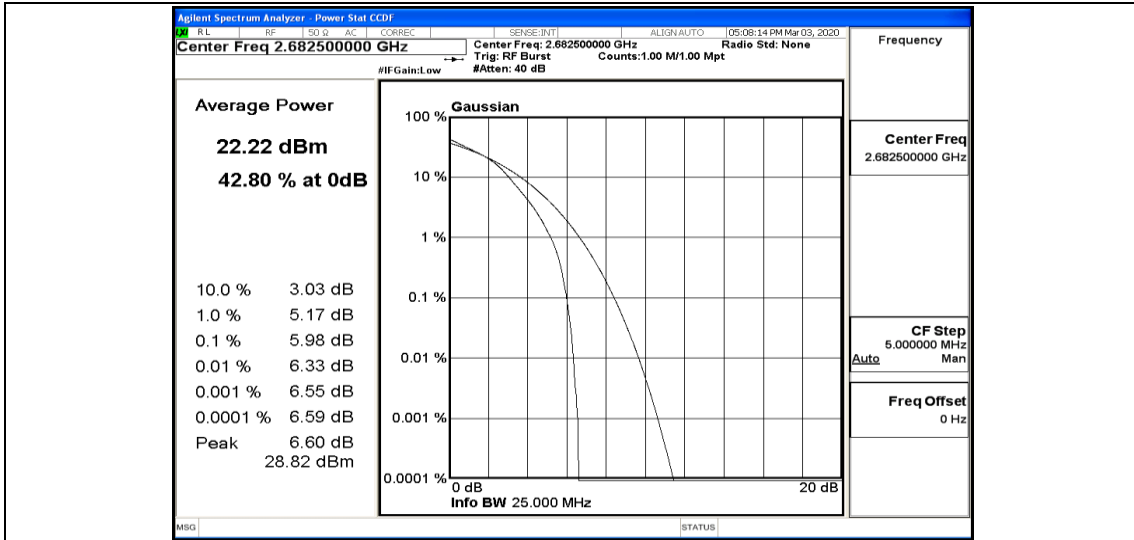
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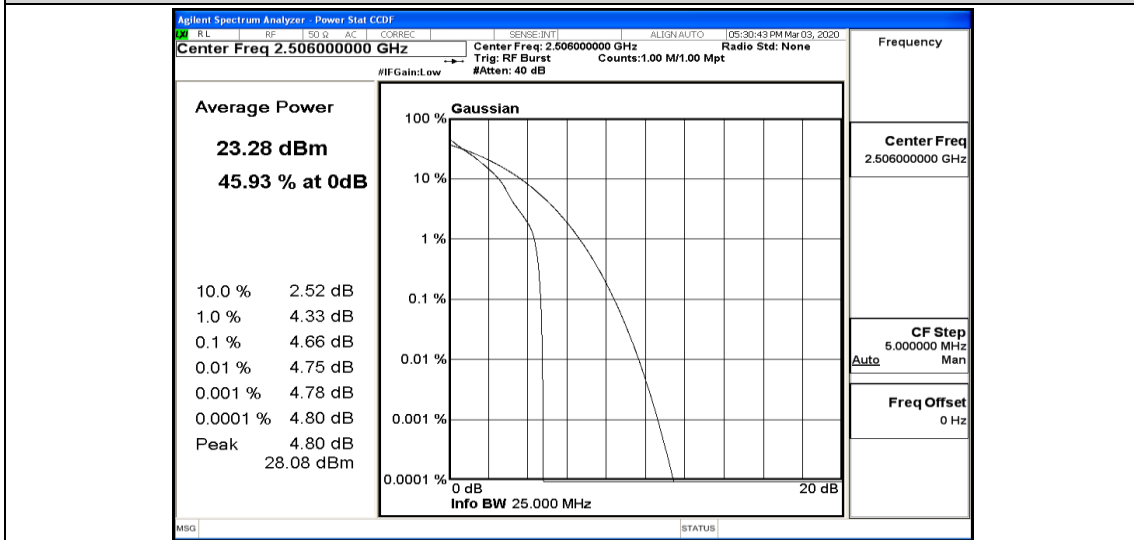
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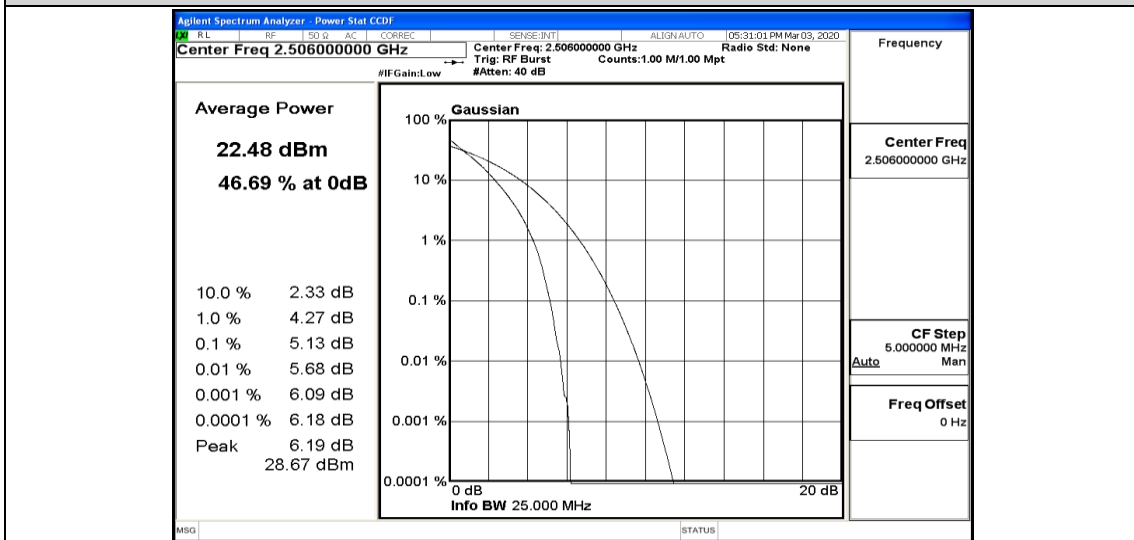
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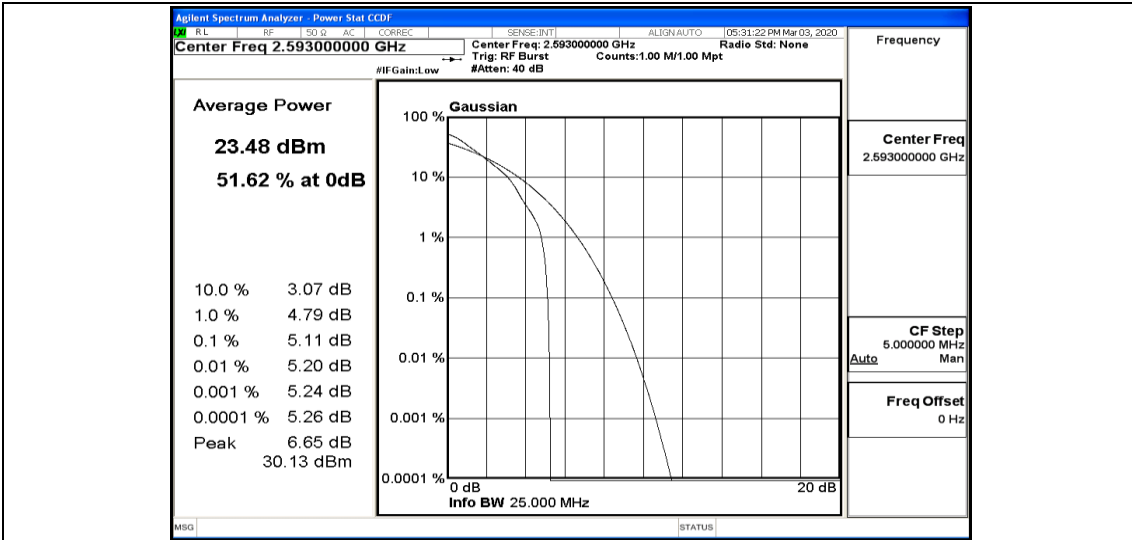
Band41-20MHz-QPSK-39750-1RB#0



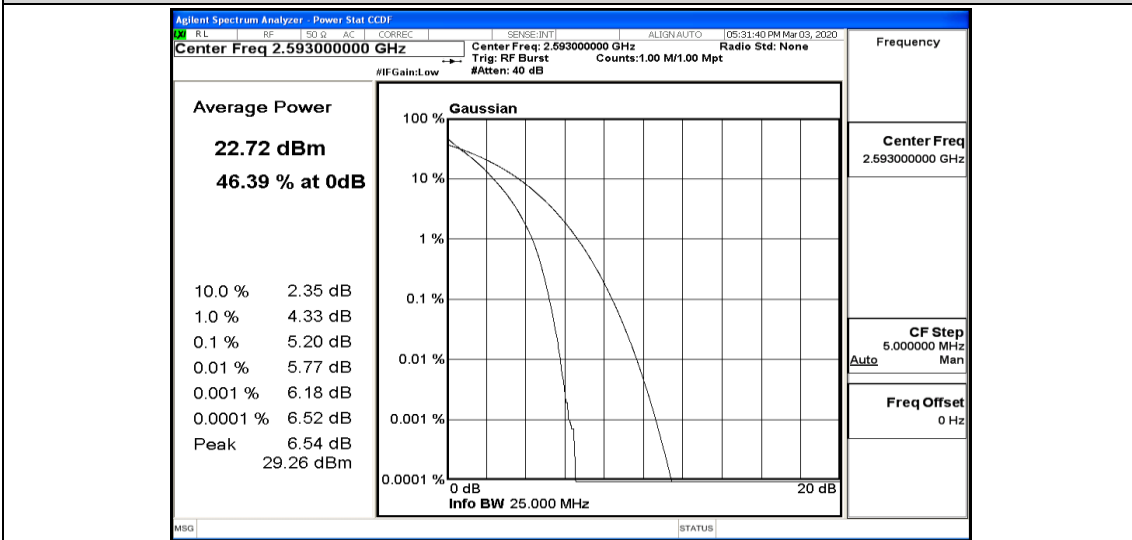
Band41-20MHz-QPSK-39750-100RB#0



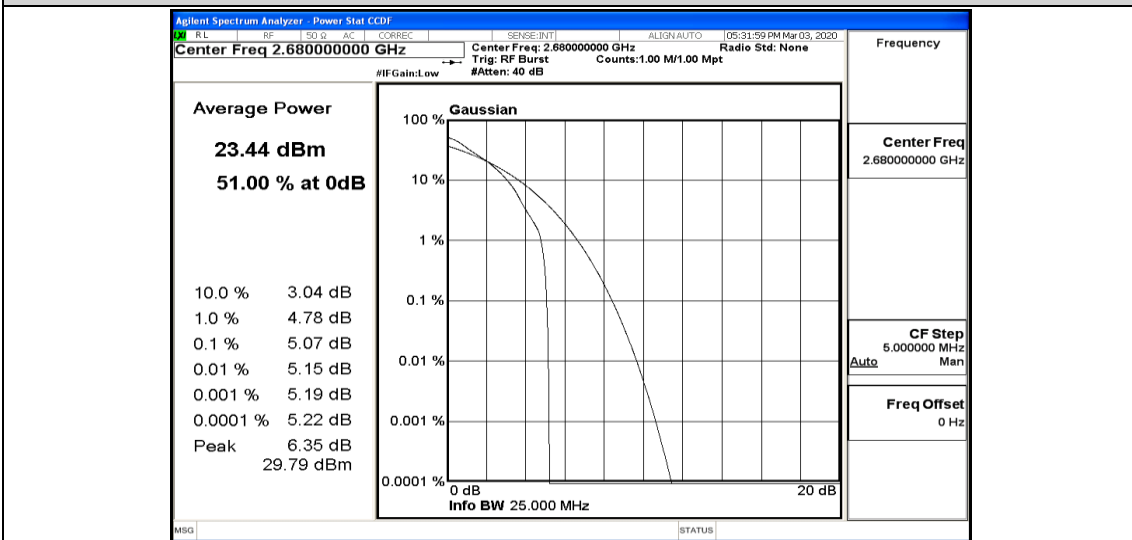
Band41-20MHz-QPSK-40620-1RB#0



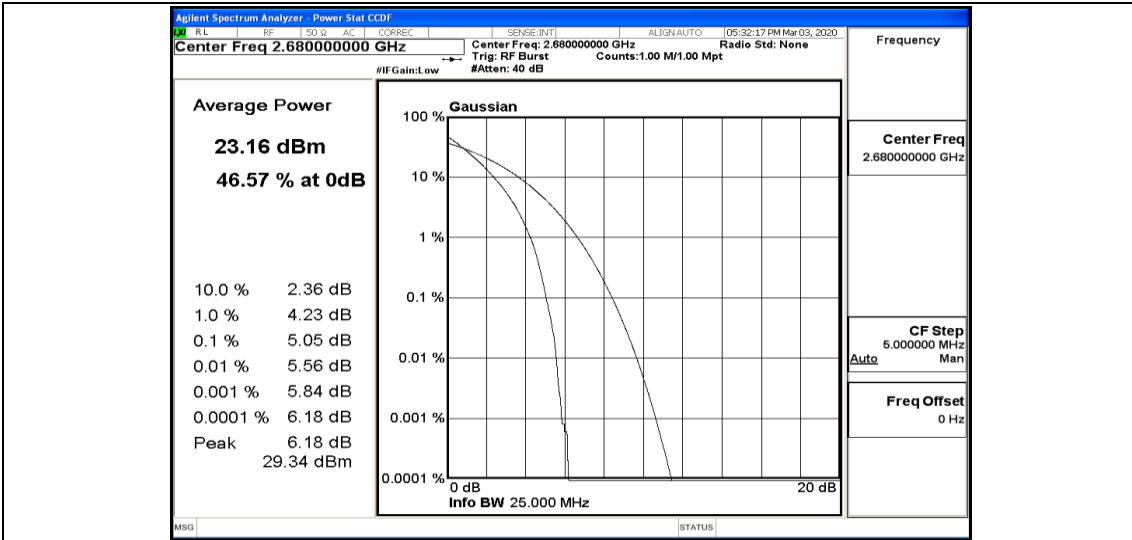
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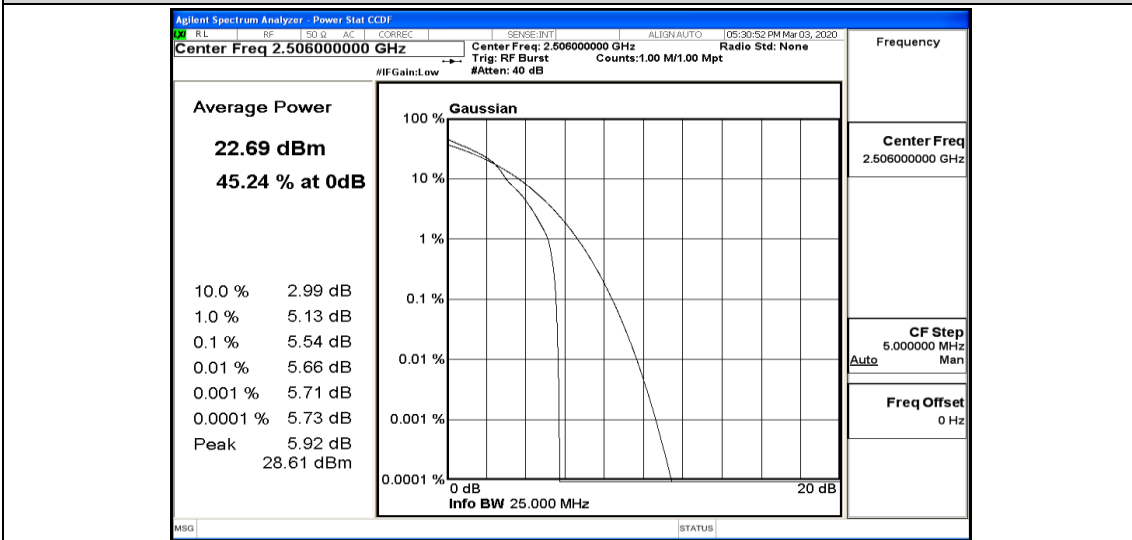
Band41-20MHz-QPSK-41490-1RB#0



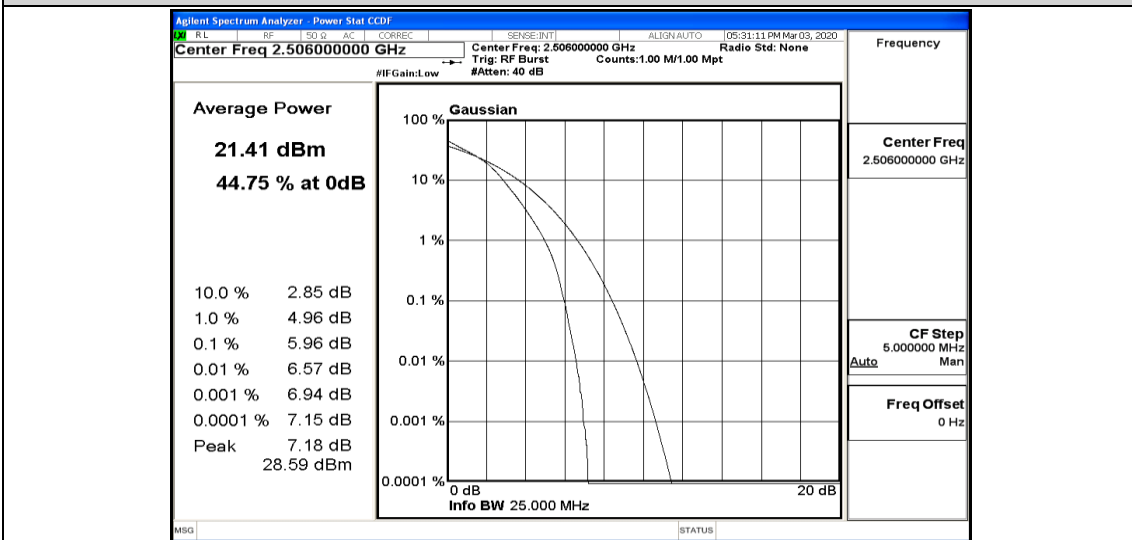
Band41-20MHz-QPSK-41490-100RB#0



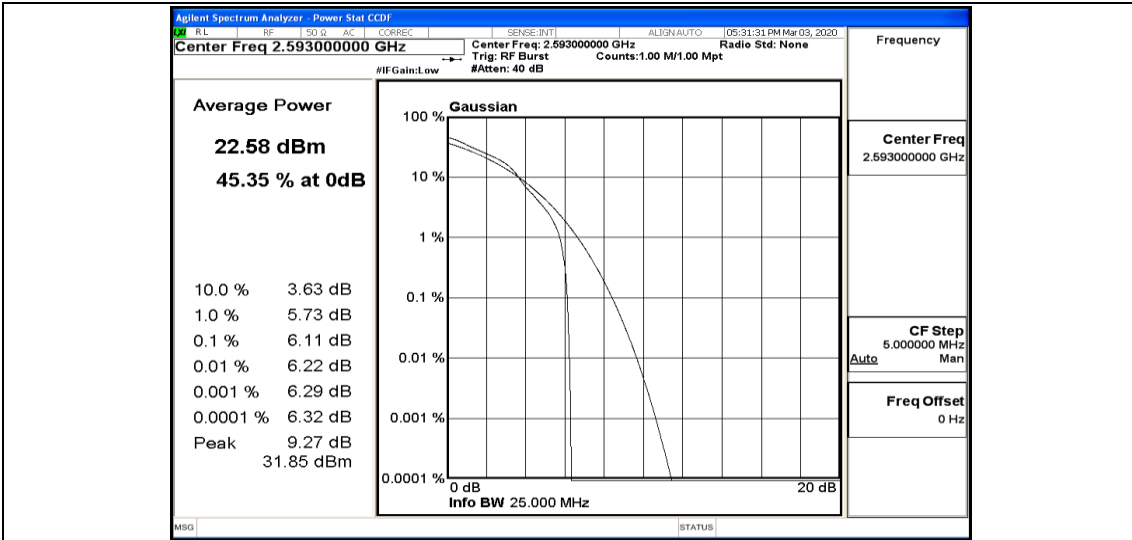
Band41-20MHz-16QAM-39750-1RB#0



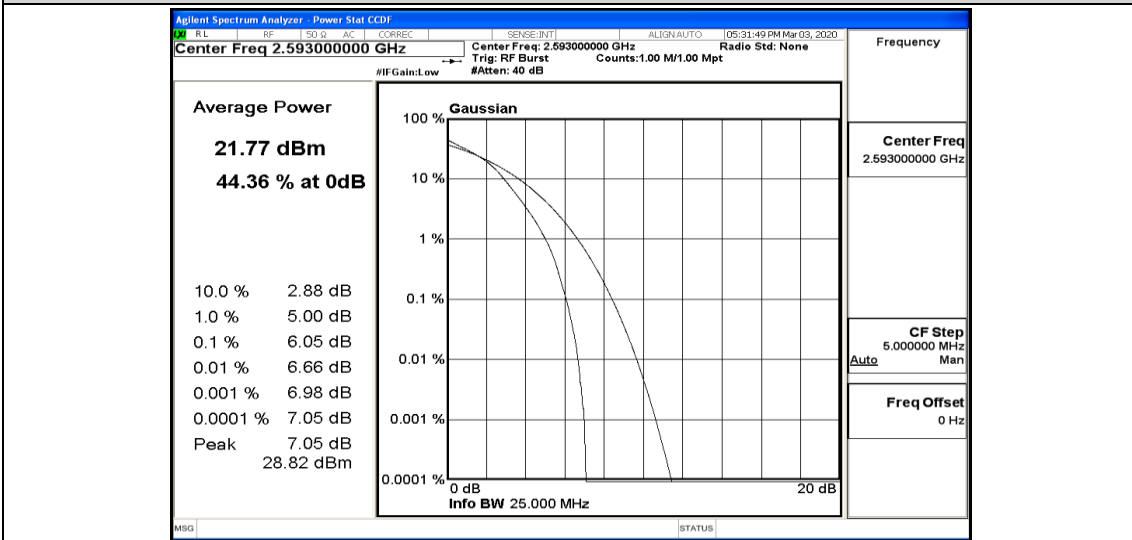
Band41-20MHz-16QAM-39750-100RB#0



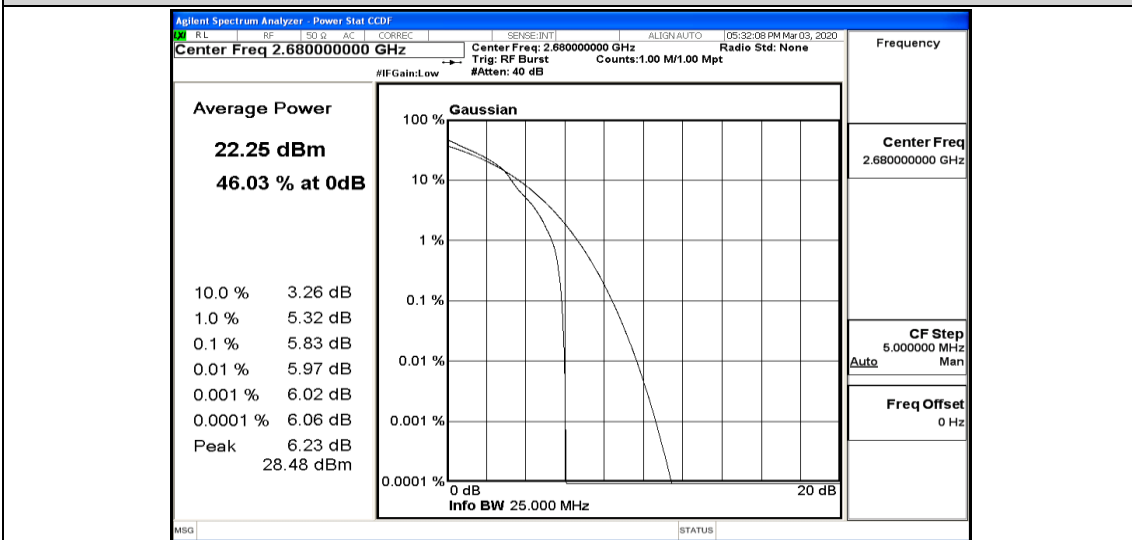
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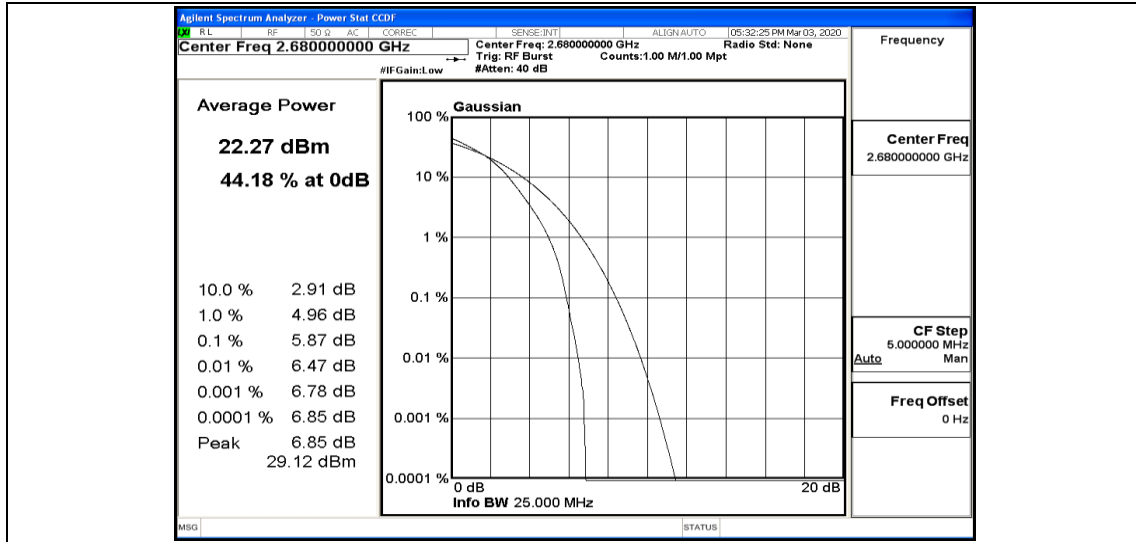
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Band41-20MHz-16QAM-41490-1RB#0



Band41-20MHz-16QAM-41490-100RB#0

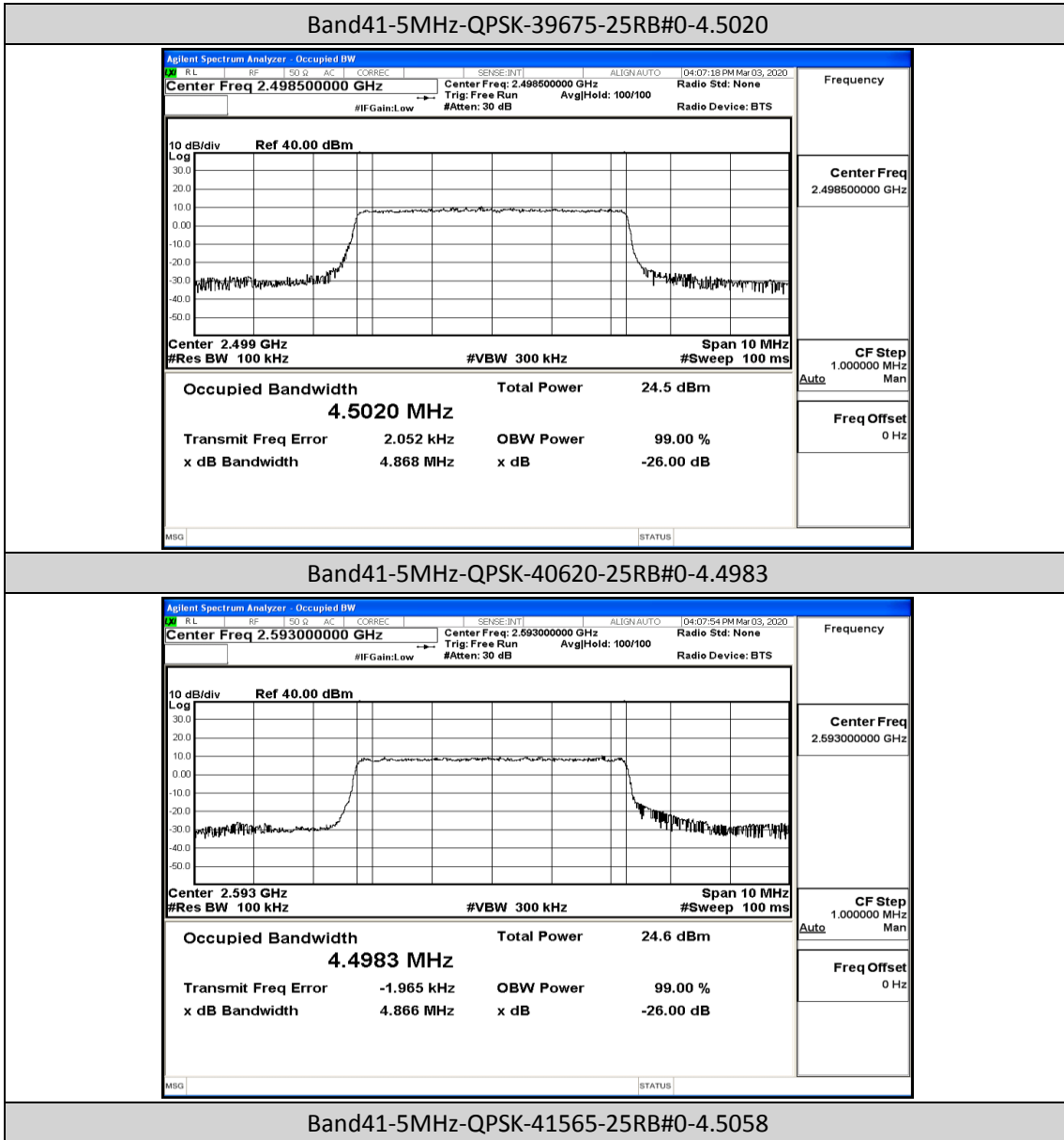


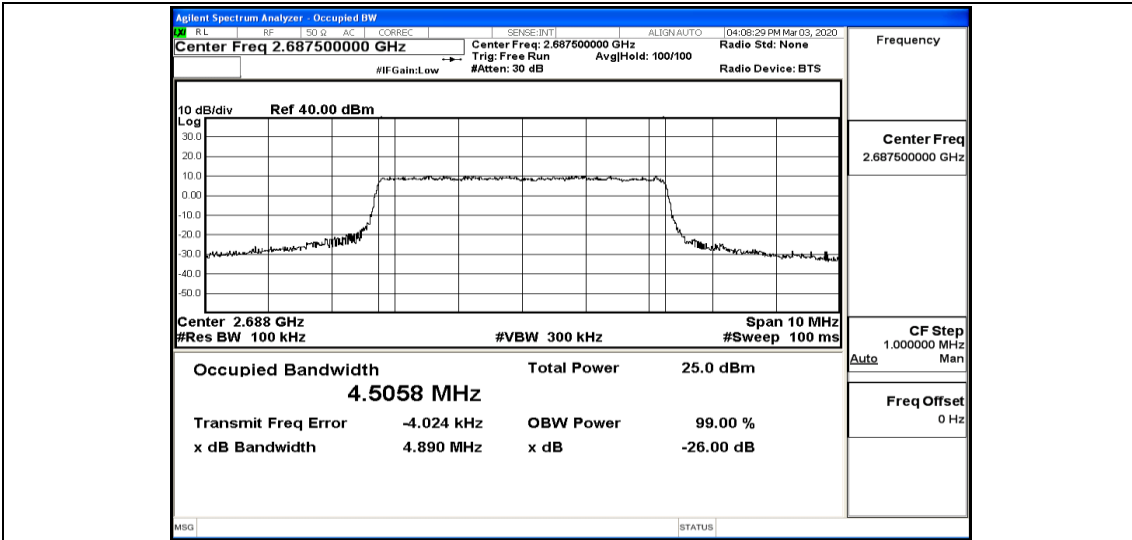
K.3: 26dB Bandwidth and Occupied Bandwidth

Test Result

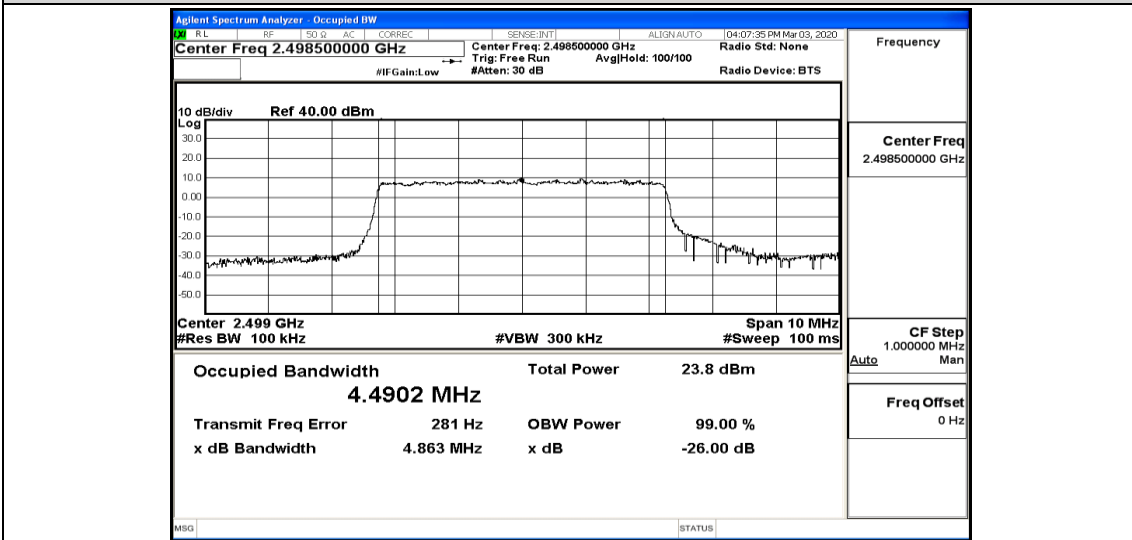
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.5020	4.868	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4983	4.866	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.5058	4.890	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4902	4.863	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4945	4.821	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4912	4.871	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9604	9.475	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9575	9.579	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9493	9.540	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9501	9.523	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9481	9.482	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9596	9.528	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.417	14.24	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.429	14.25	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.431	14.24	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.418	14.24	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.423	14.27	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.429	14.23	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.903	18.95	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.912	18.95	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.866	18.93	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.904	18.93	PASS
Band41	20MHz	16QAM	40620	100RB#0	17.894	18.98	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.850	18.93	PASS

Test Graphs

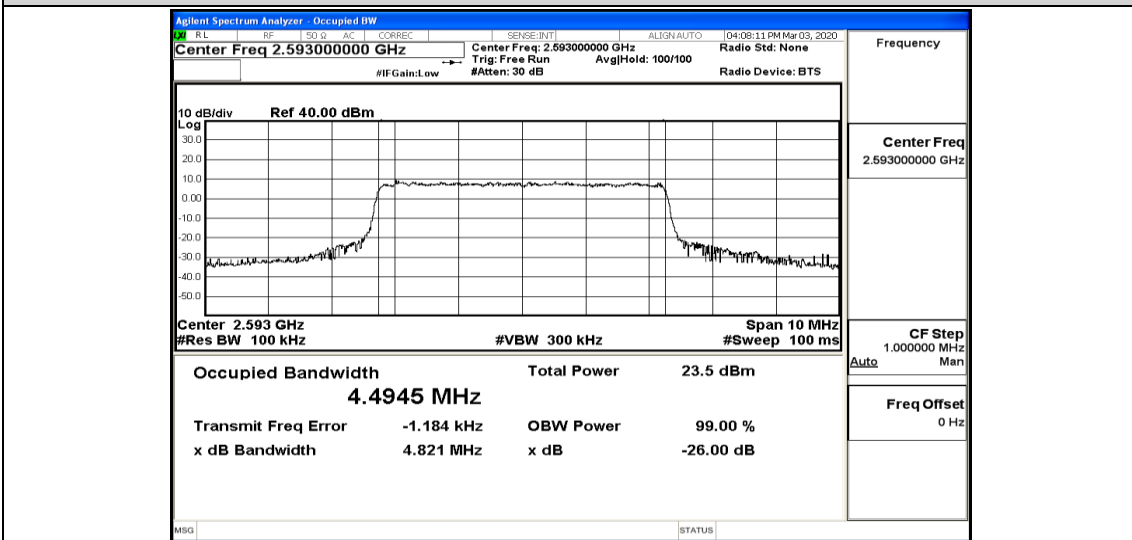




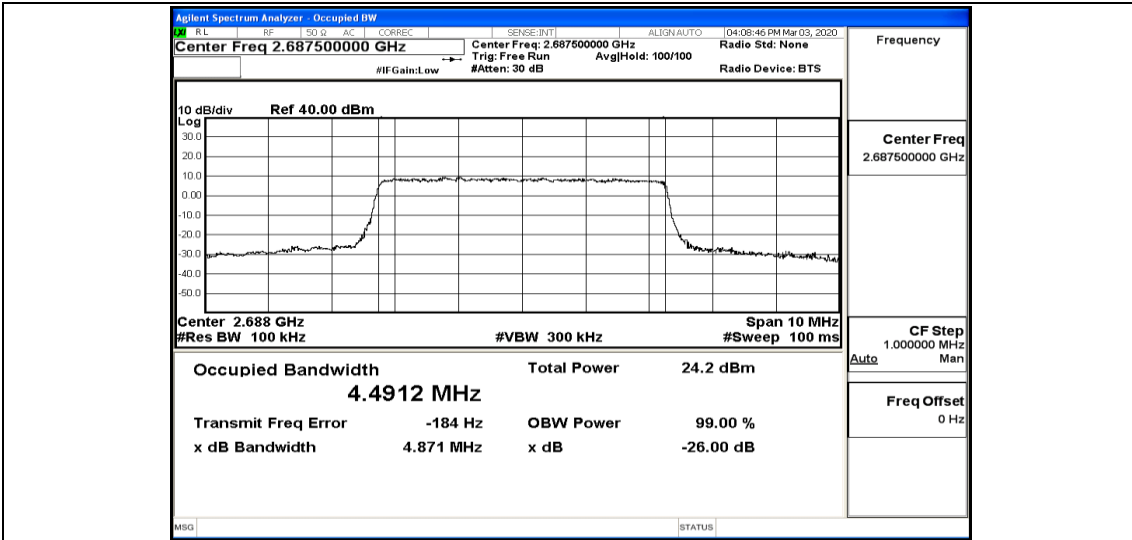
Band41-5MHz-16QAM-39675-25RB#0-4.4902



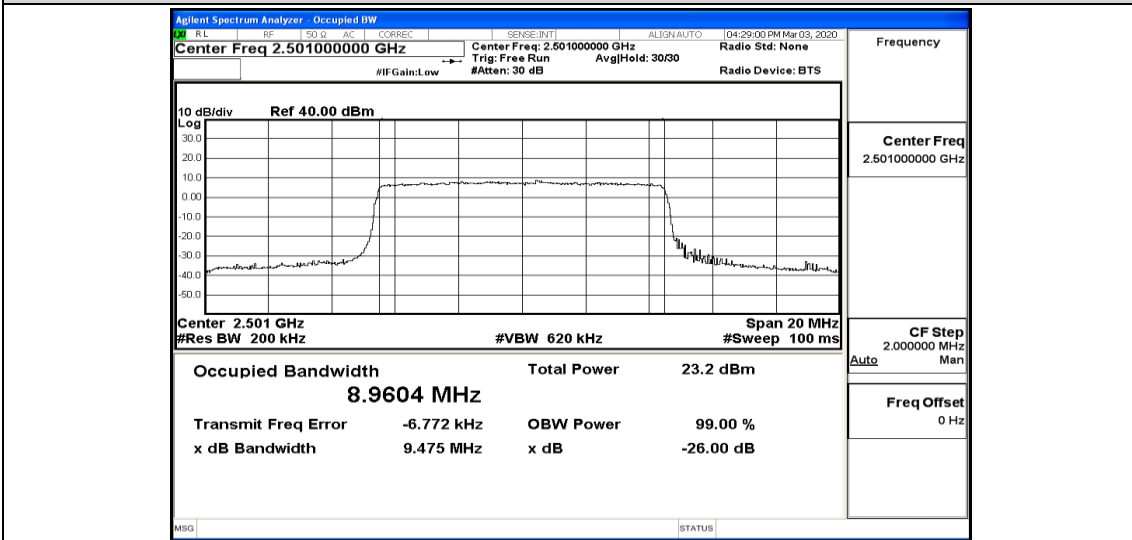
Band41-5MHz-16QAM-40620-25RB#0-4.4945



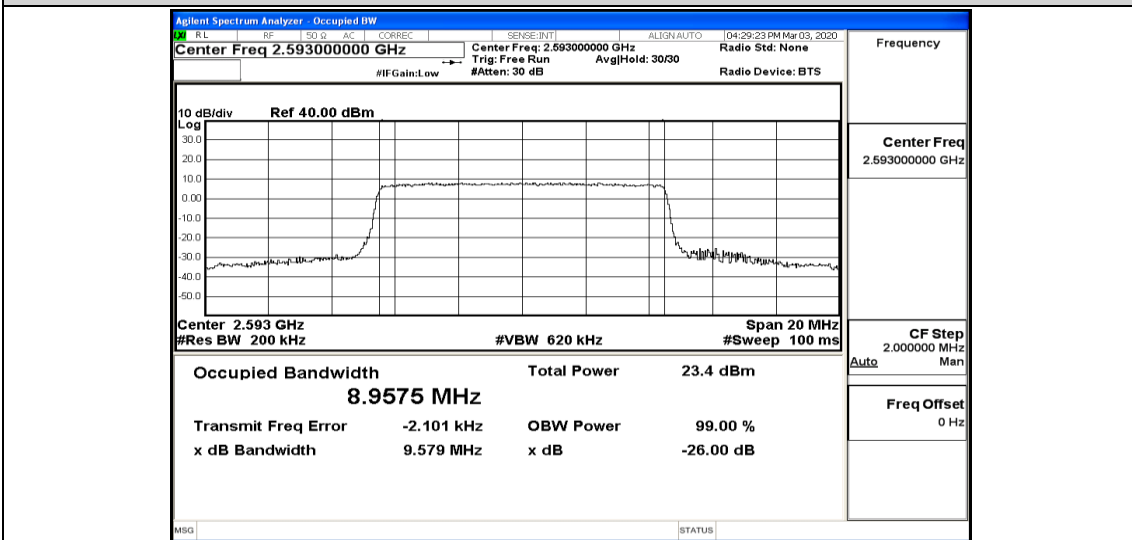
Band41-5MHz-16QAM-41565-25RB#0-4.4912



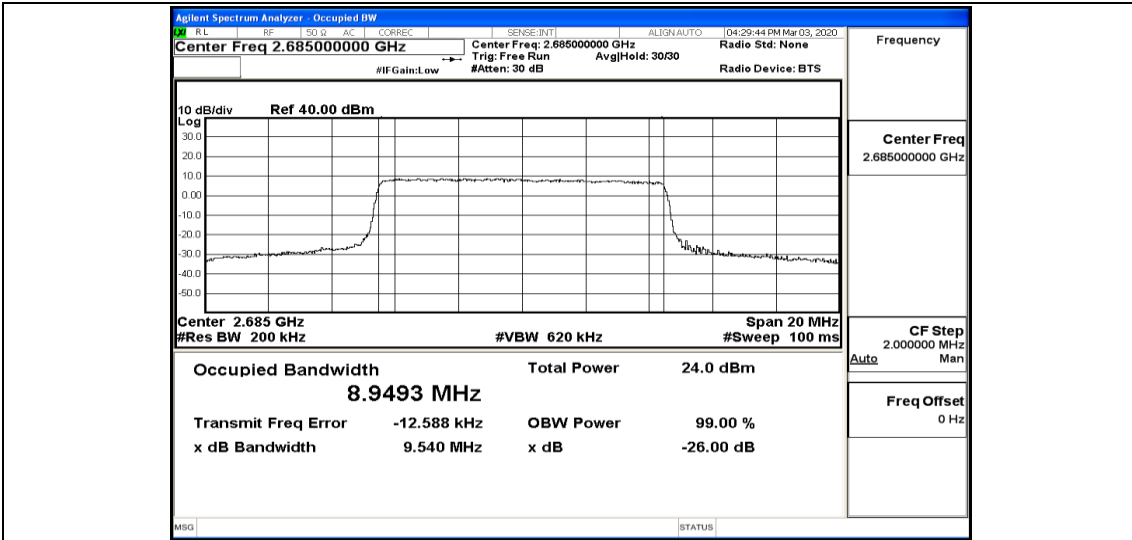
Band41-10MHz-QPSK-39700-50RB#0-8.9604



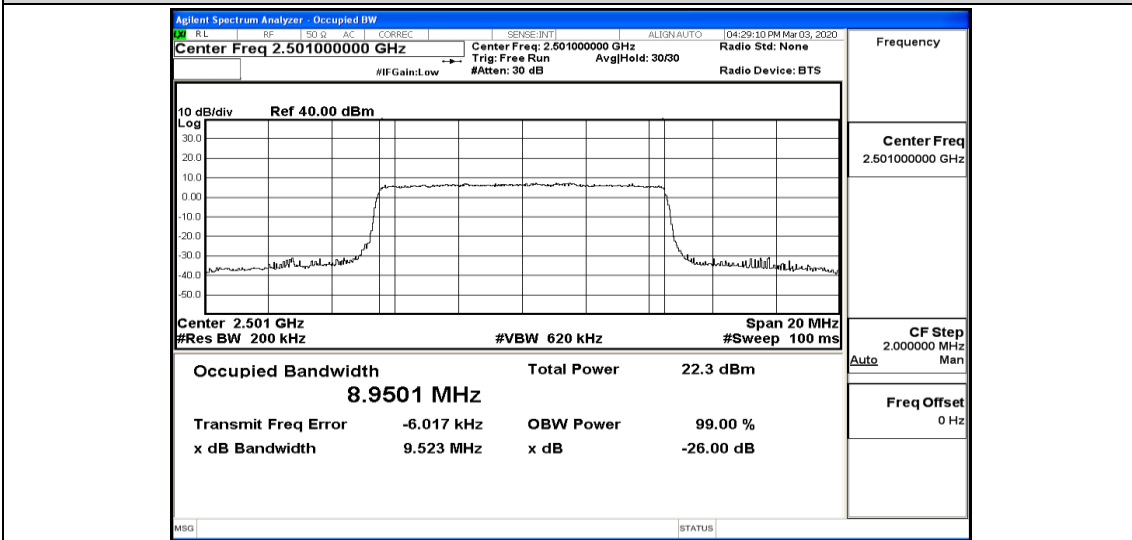
Band41-10MHz-QPSK-40620-50RB#0-8.9575



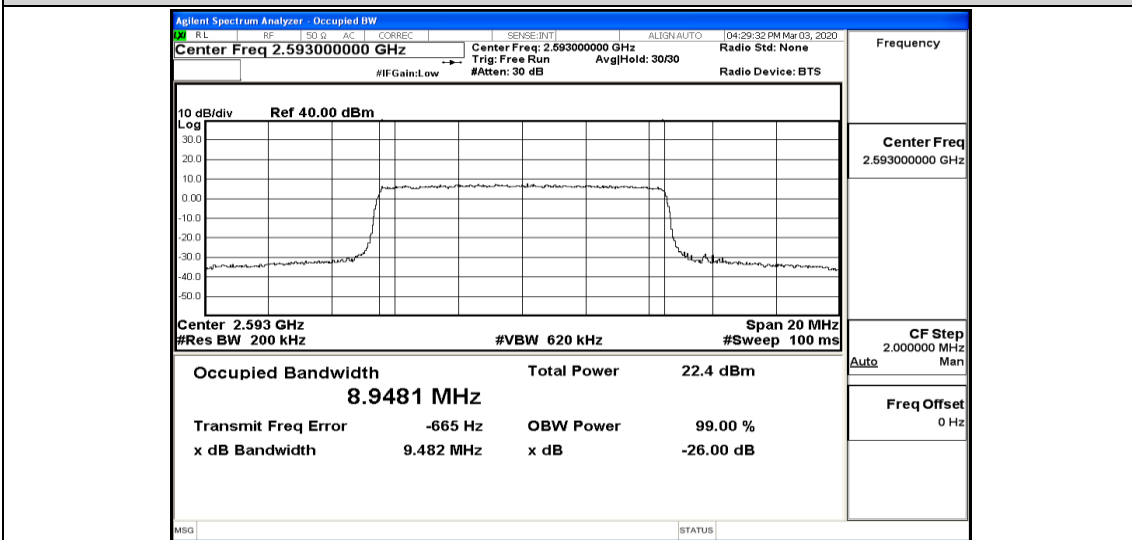
Band41-10MHz-QPSK-41540-50RB#0-8.9493



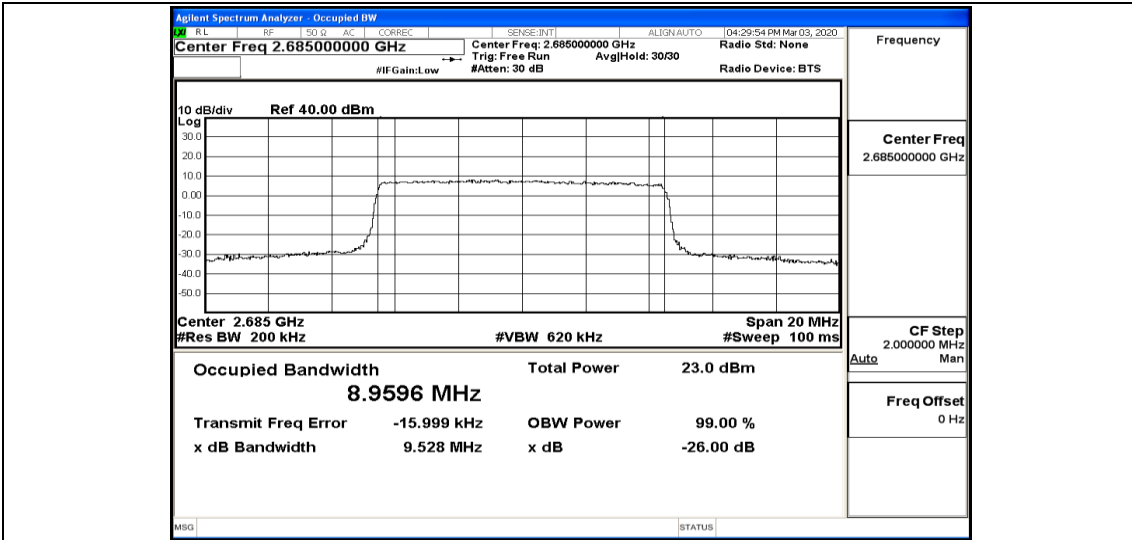
Band41-10MHz-16QAM-39700-50RB#0-8.9501



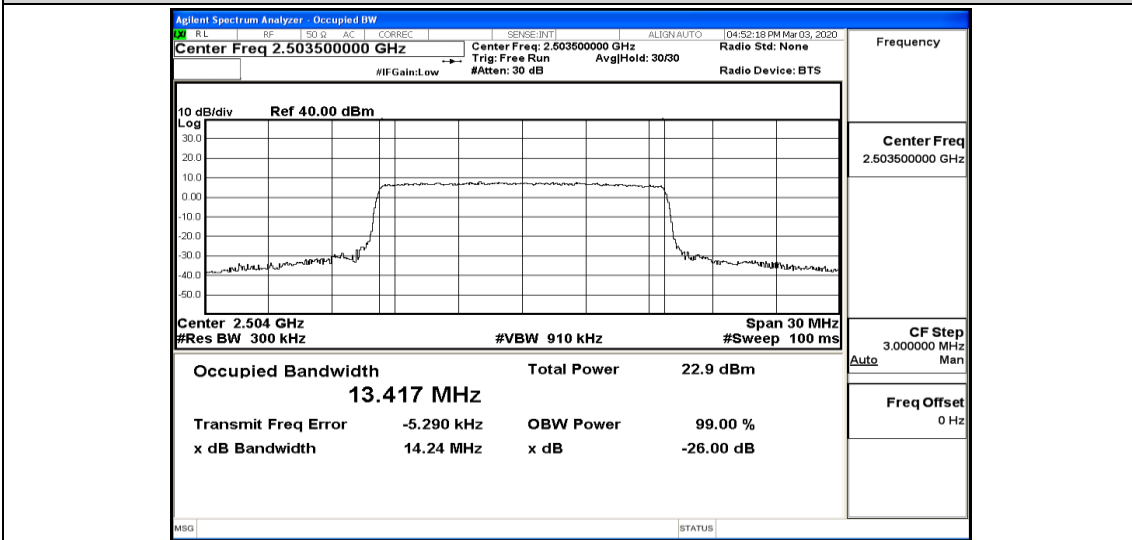
Band41-10MHz-16QAM-40620-50RB#0-8.9481



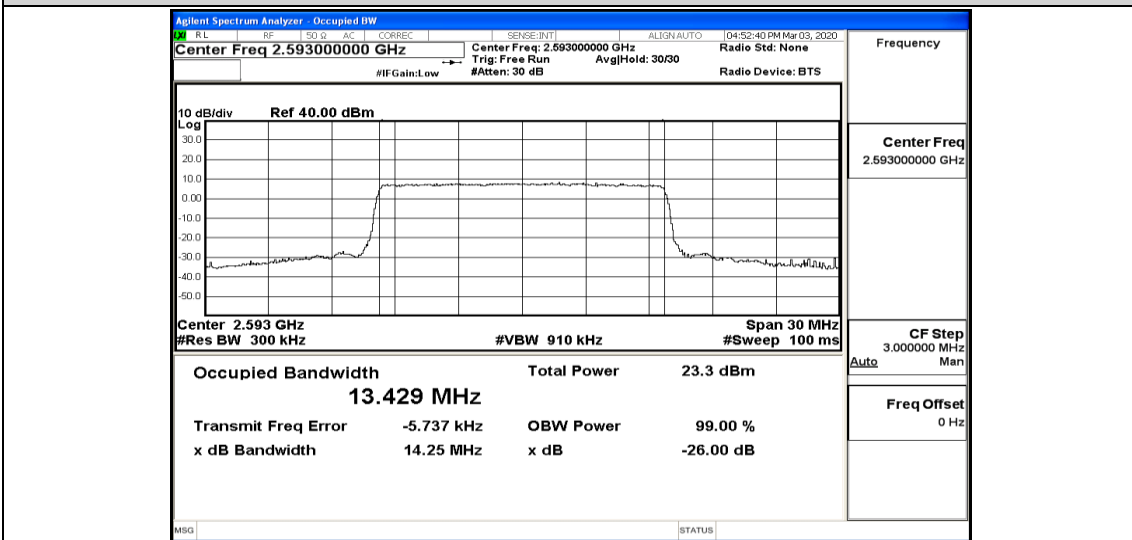
Band41-10MHz-16QAM-41540-50RB#0-8.9596



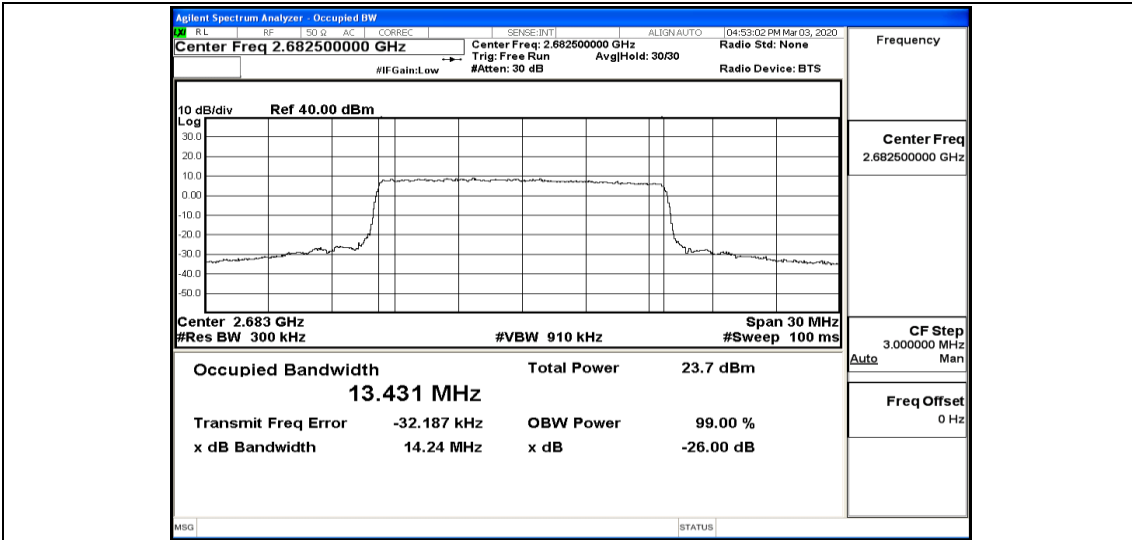
Band41-15MHz-QPSK-39725-75RB#0-13.417



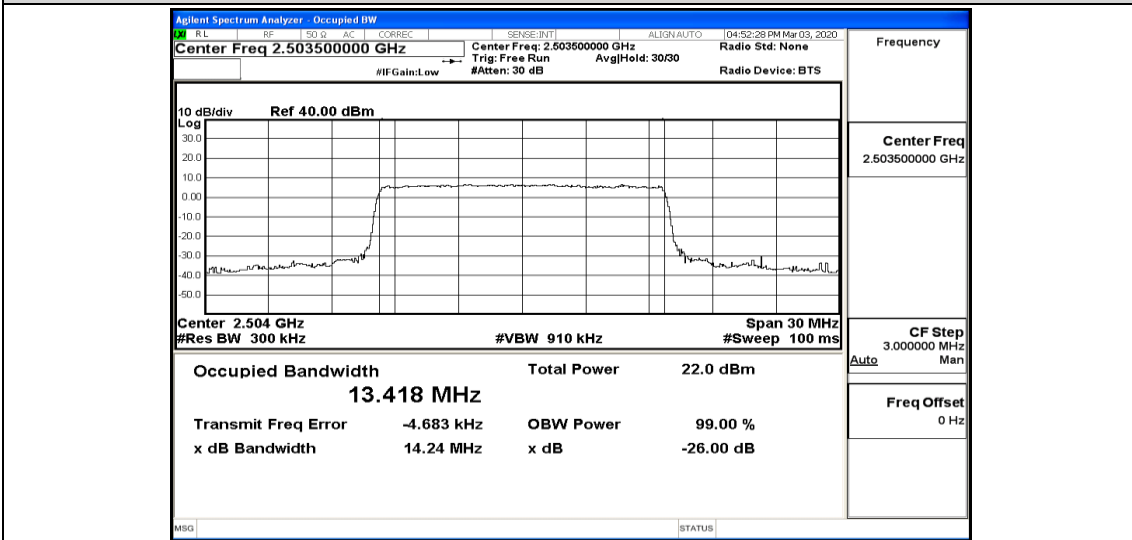
Band41-15MHz-QPSK-40620-75RB#0-13.429



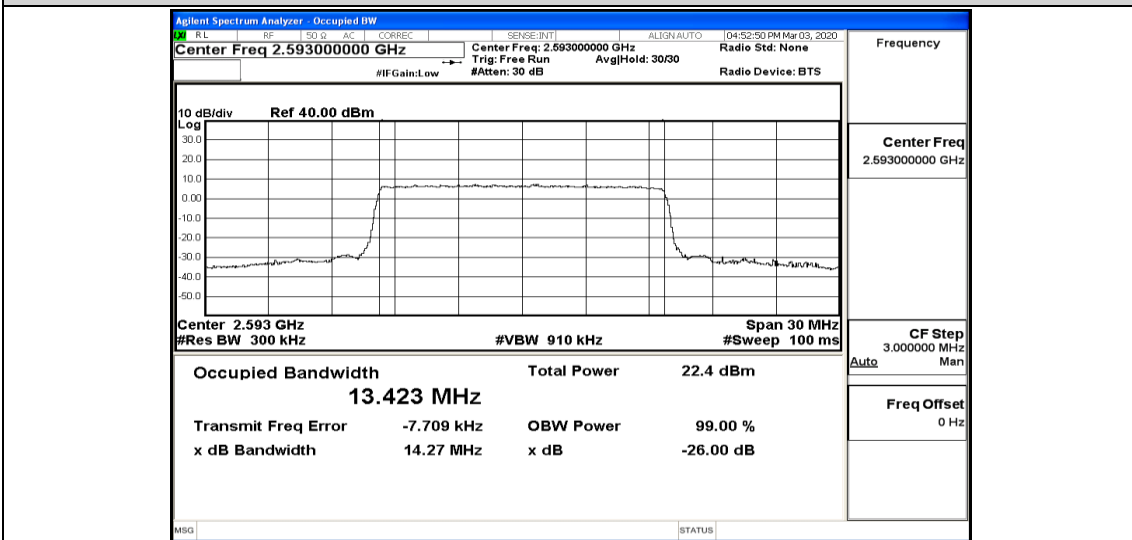
Band41-15MHz-QPSK-41515-75RB#0-13.431



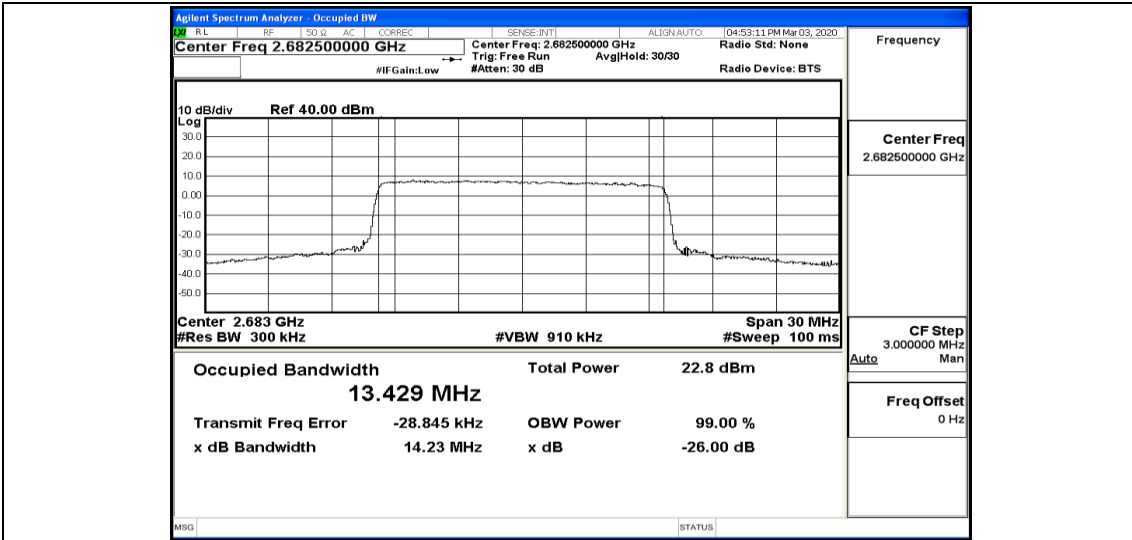
Band41-15MHz-16QAM-39725-75RB#0-13.418



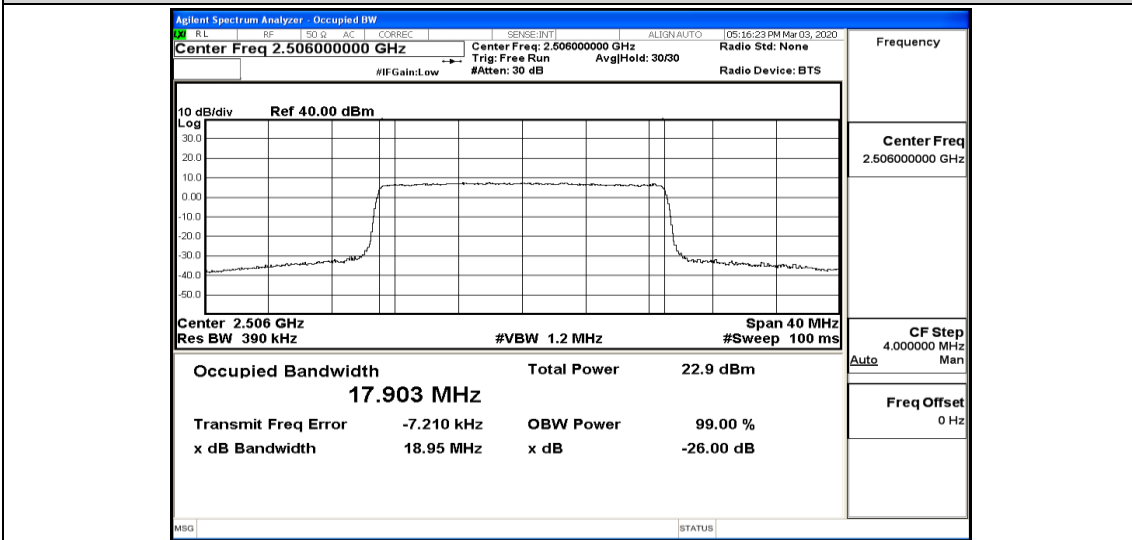
Band41-15MHz-16QAM-40620-75RB#0-13.423



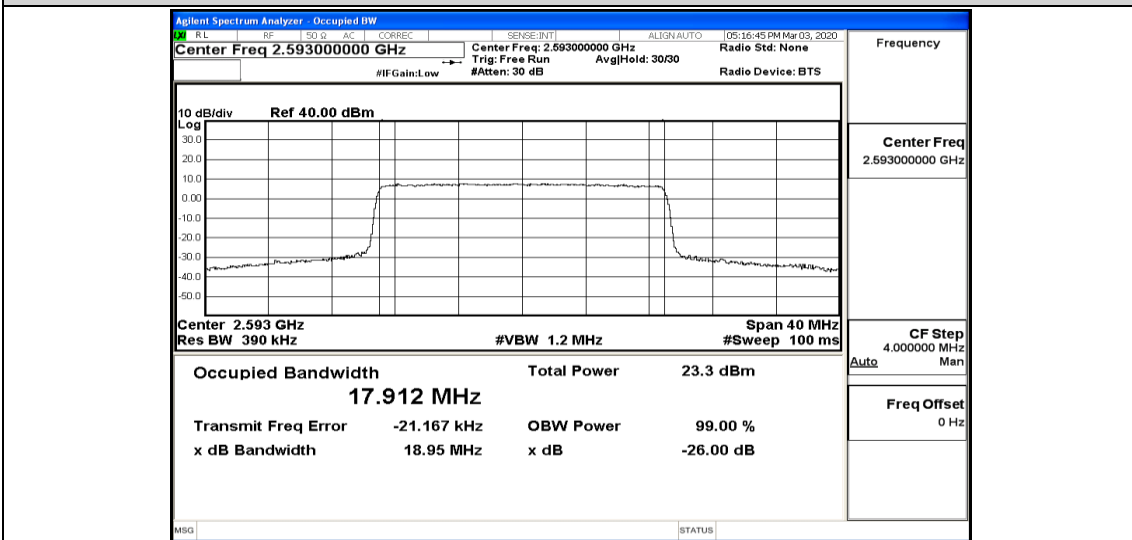
Band41-15MHz-16QAM-41515-75RB#0-13.429



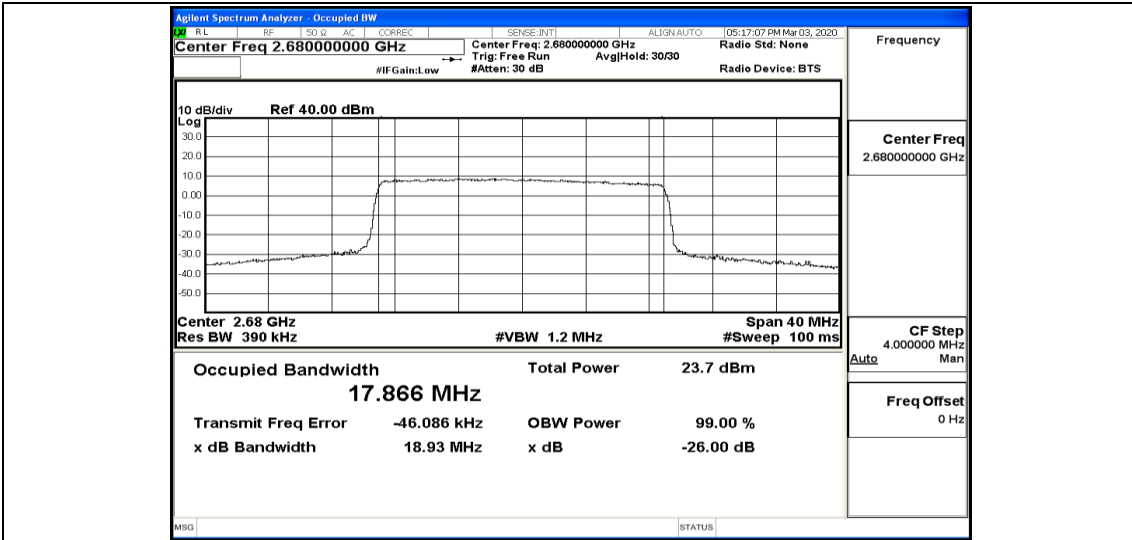
Band41-20MHz-QPSK-39750-100RB#0-17.903



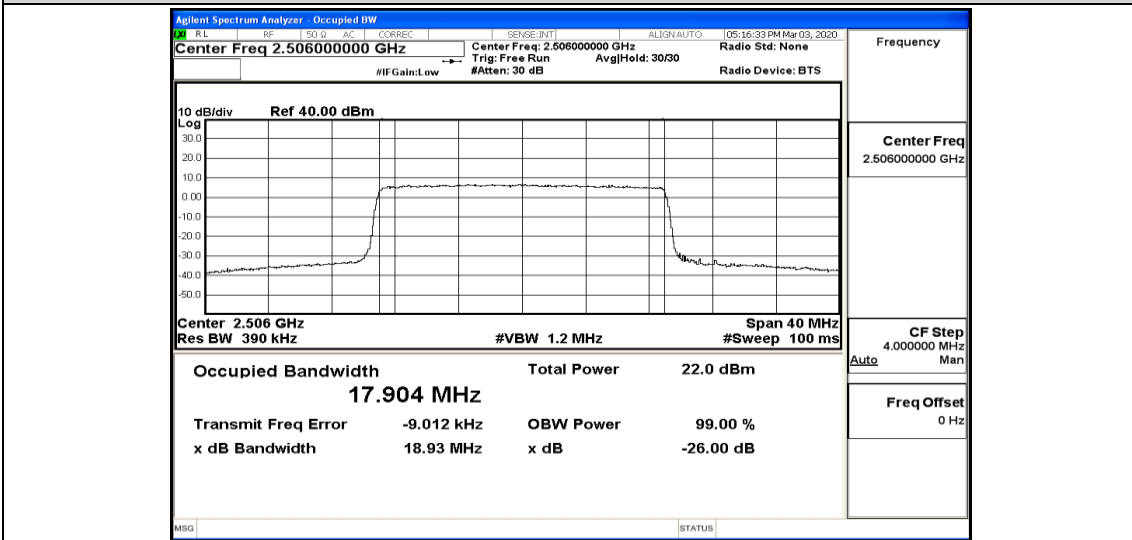
Band41-20MHz-QPSK-40620-100RB#0-17.912



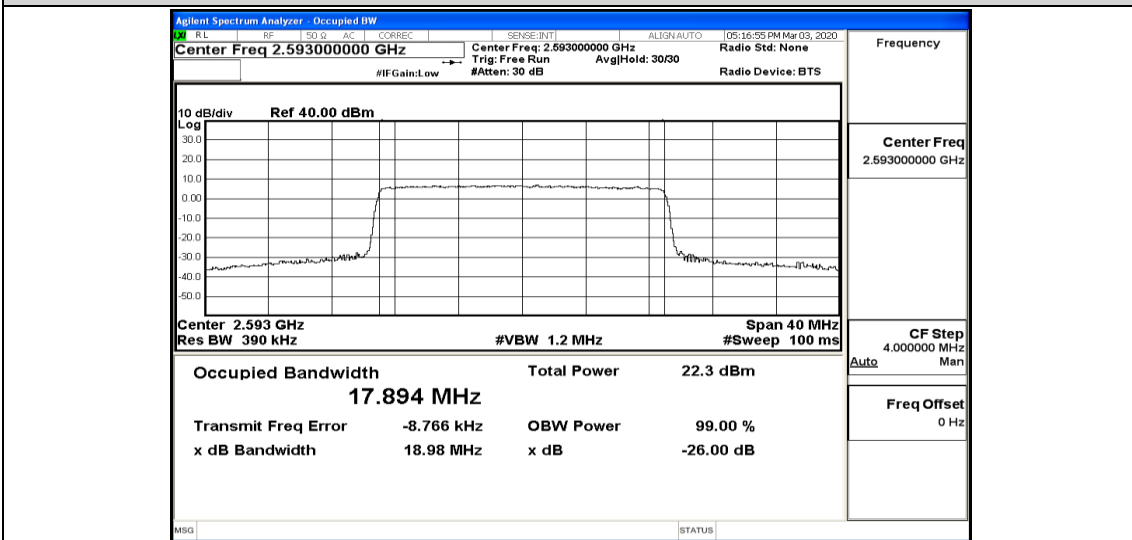
Band41-20MHz-QPSK-41490-100RB#0-17.866



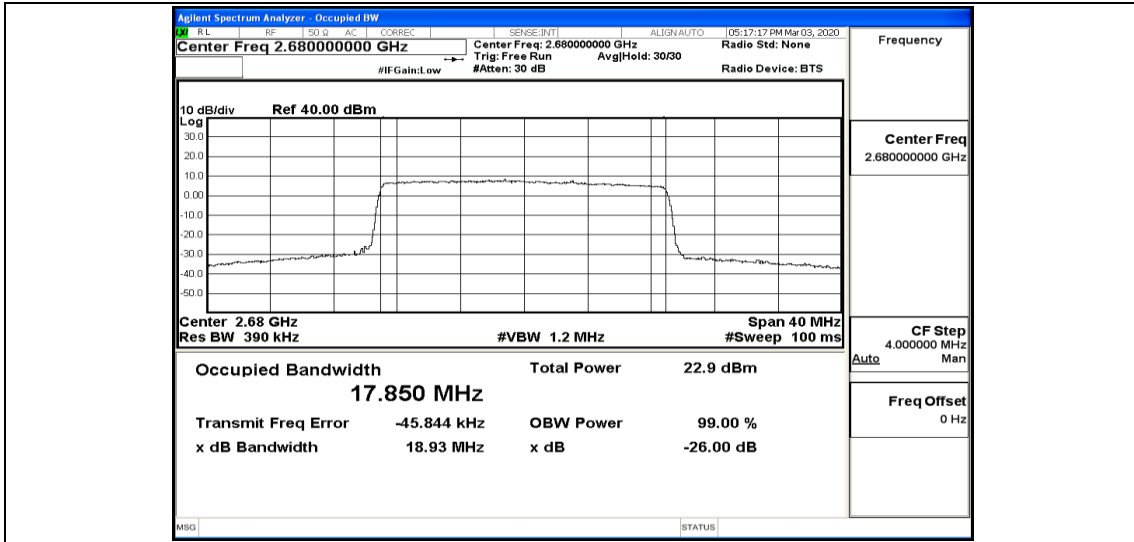
Band41-20MHz-16QAM-39750-100RB#0-17.904



Band41-20MHz-16QAM-40620-100RB#0-17.894

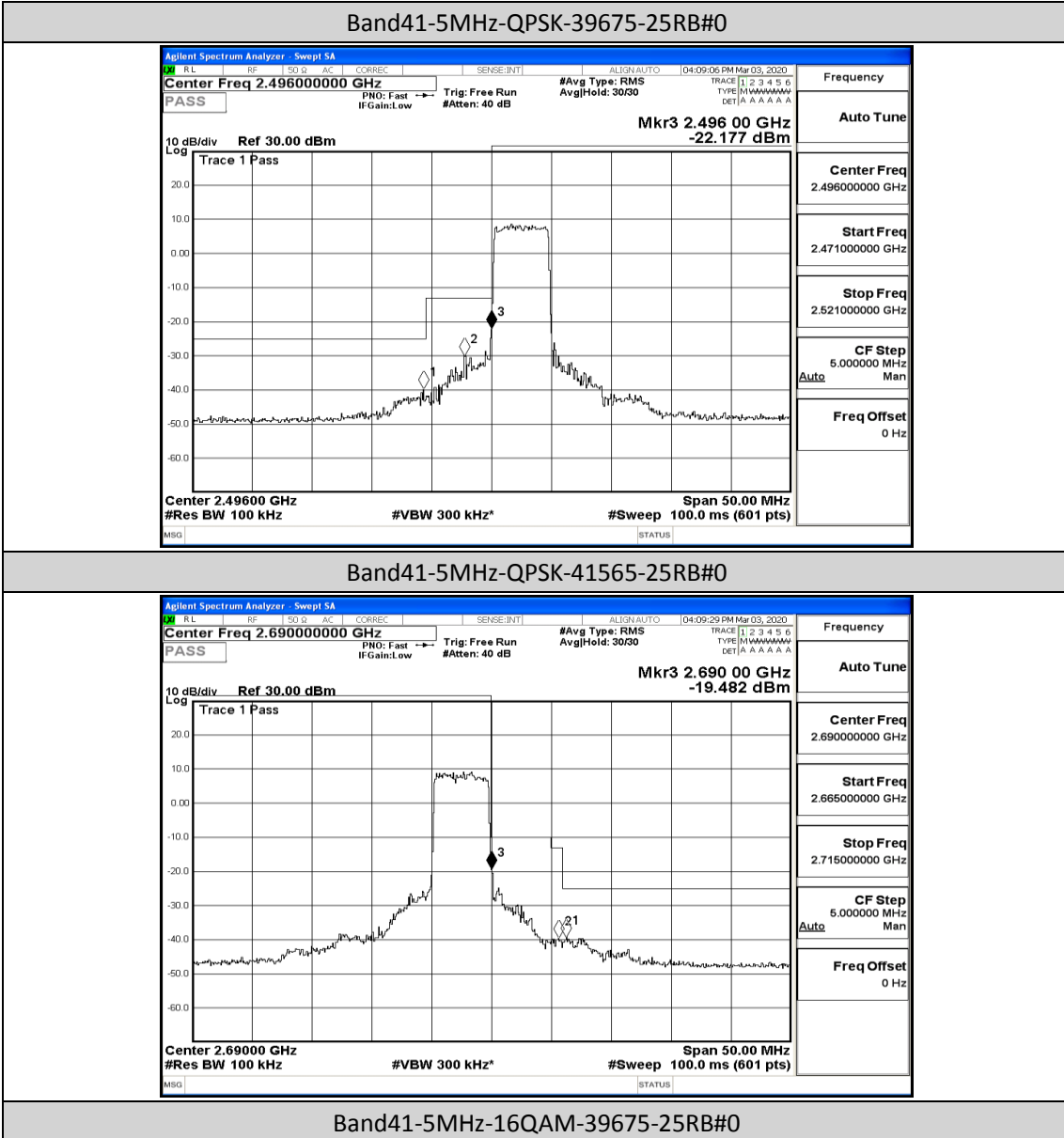


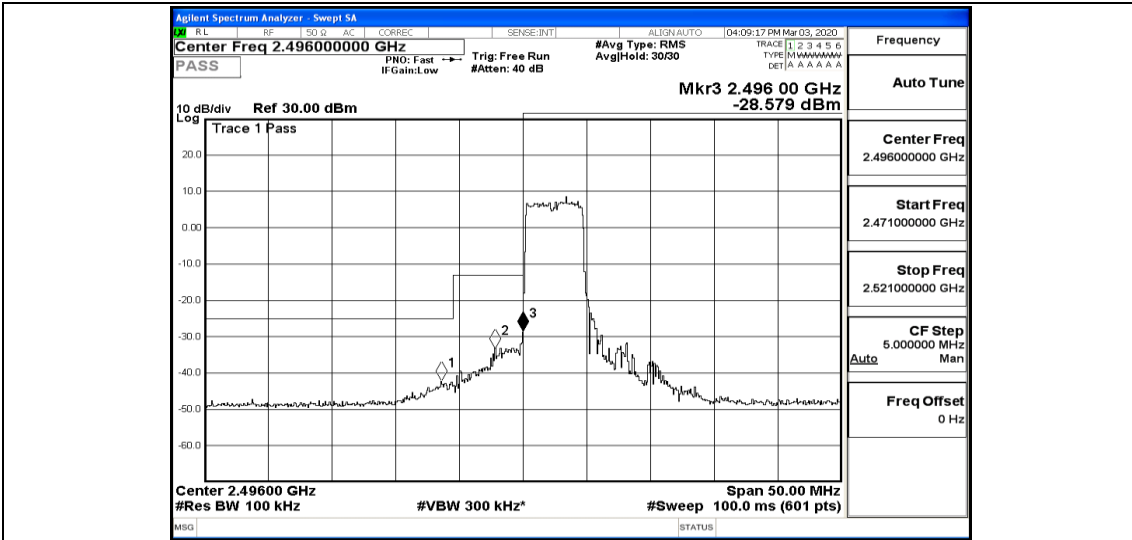
Band41-20MHz-16QAM-41490-100RB#0-17.850



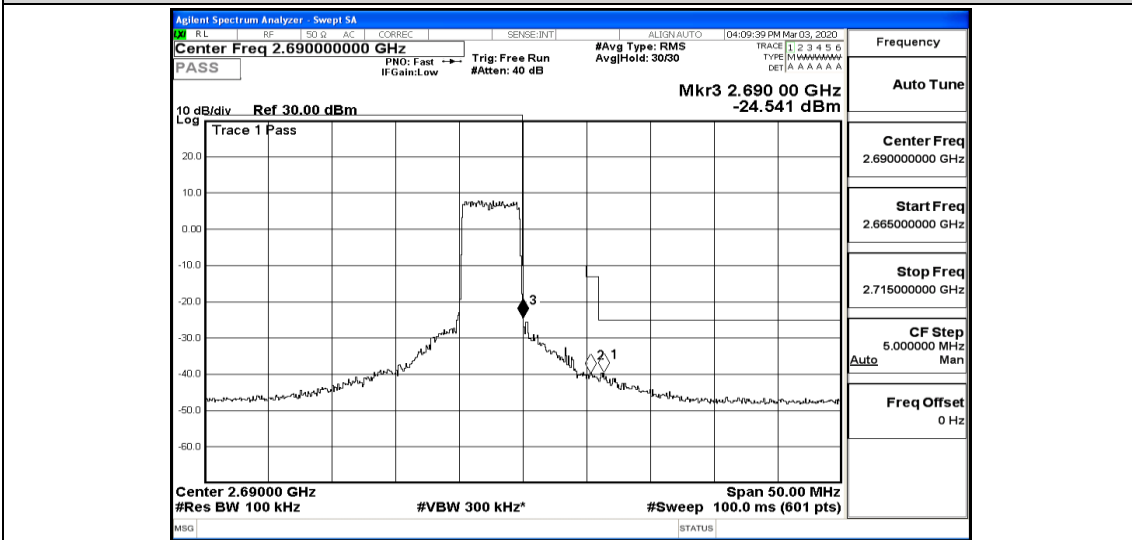
K.4: Band Edge

Test Graphs

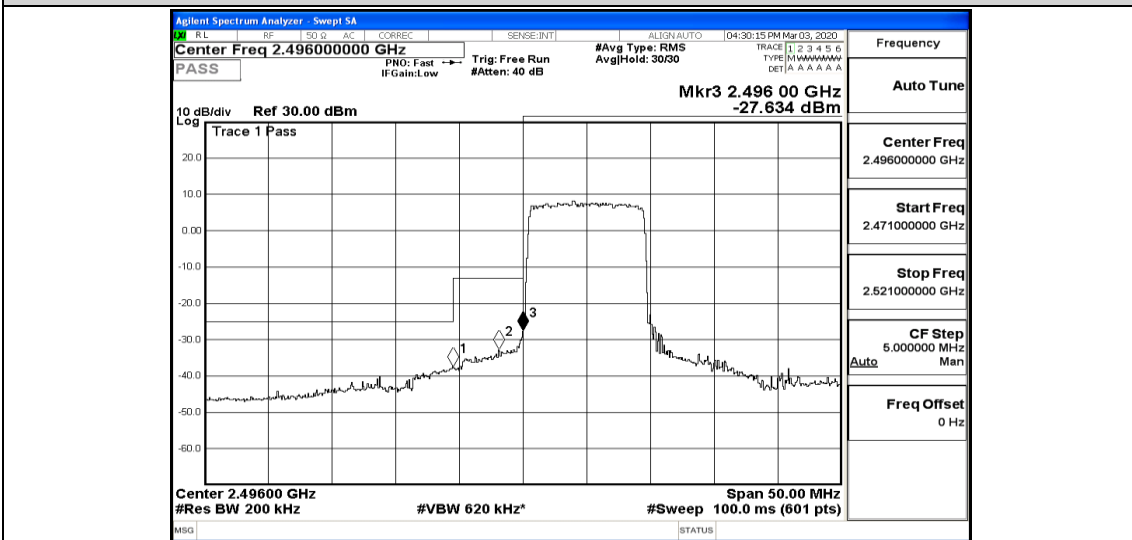




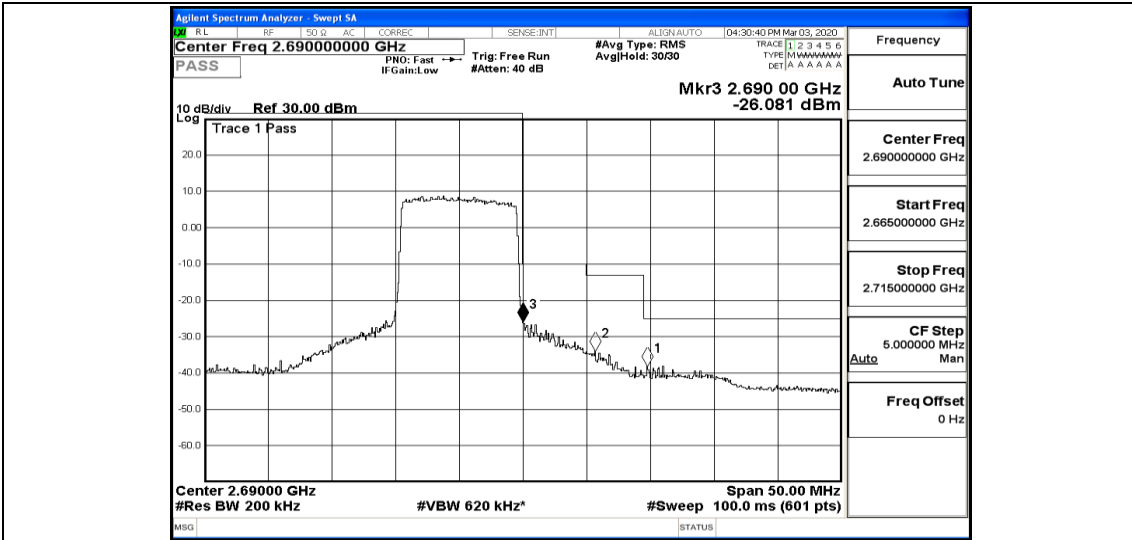
Band41-5MHz-16QAM-41565-25RB#0



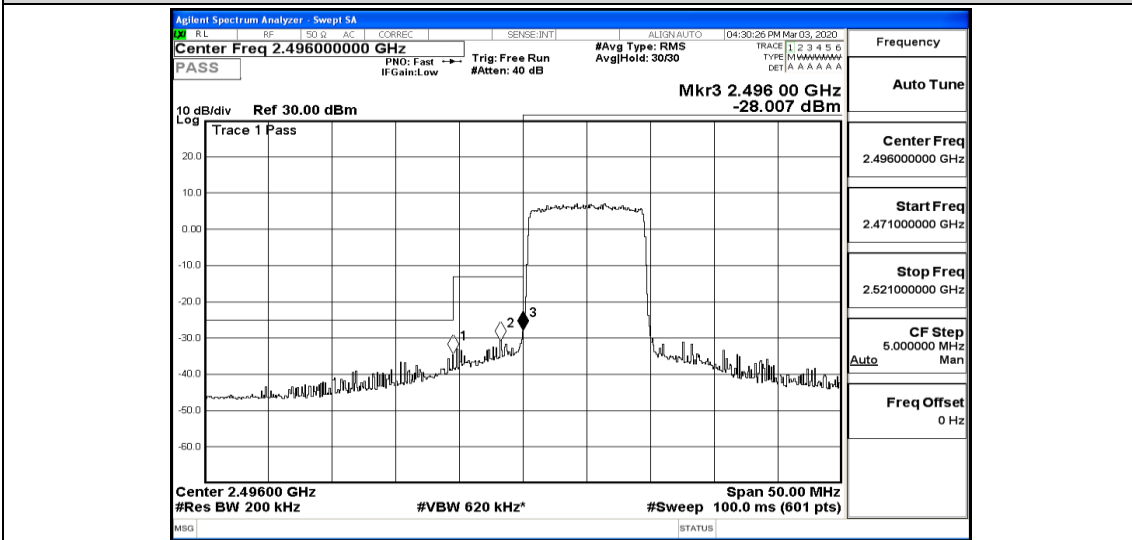
Band41-10MHz-QPSK-39700-50RB#0



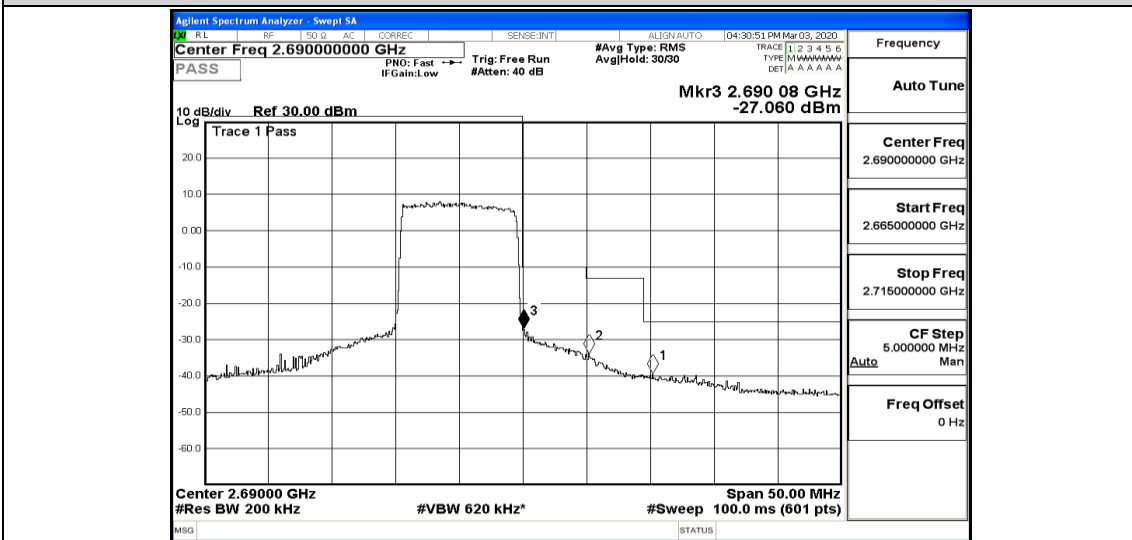
Band41-10MHz-QPSK-41540-50RB#0



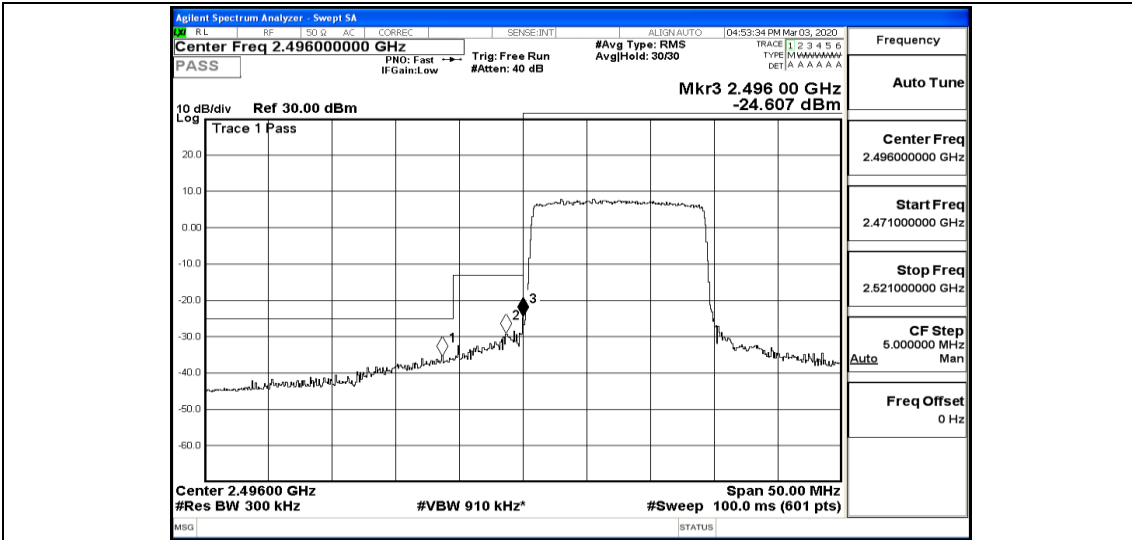
Band41-10MHz-16QAM-39700-50RB#0



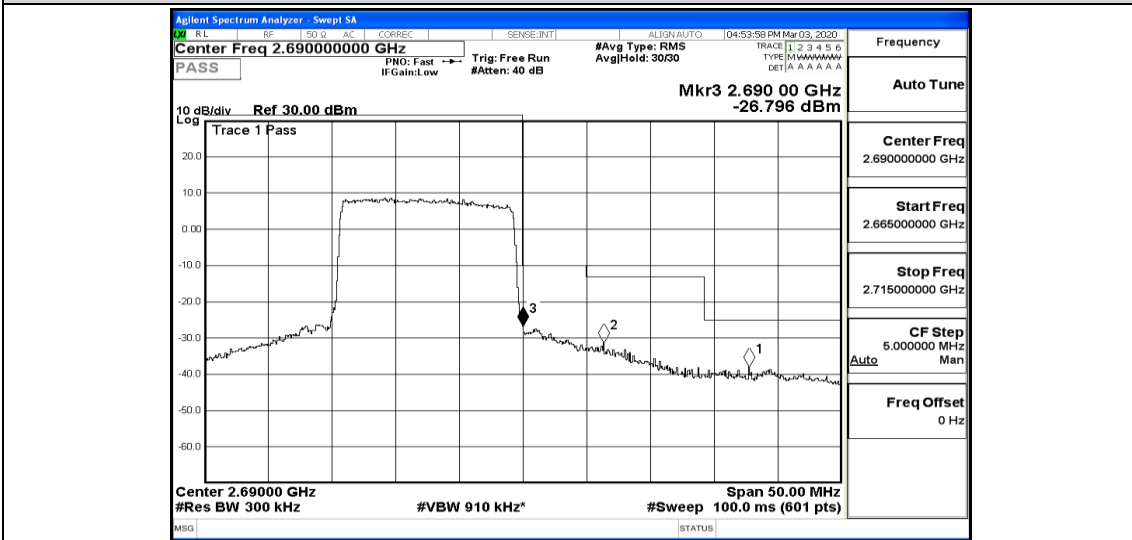
Band41-10MHz-16QAM-41540-50RB#0



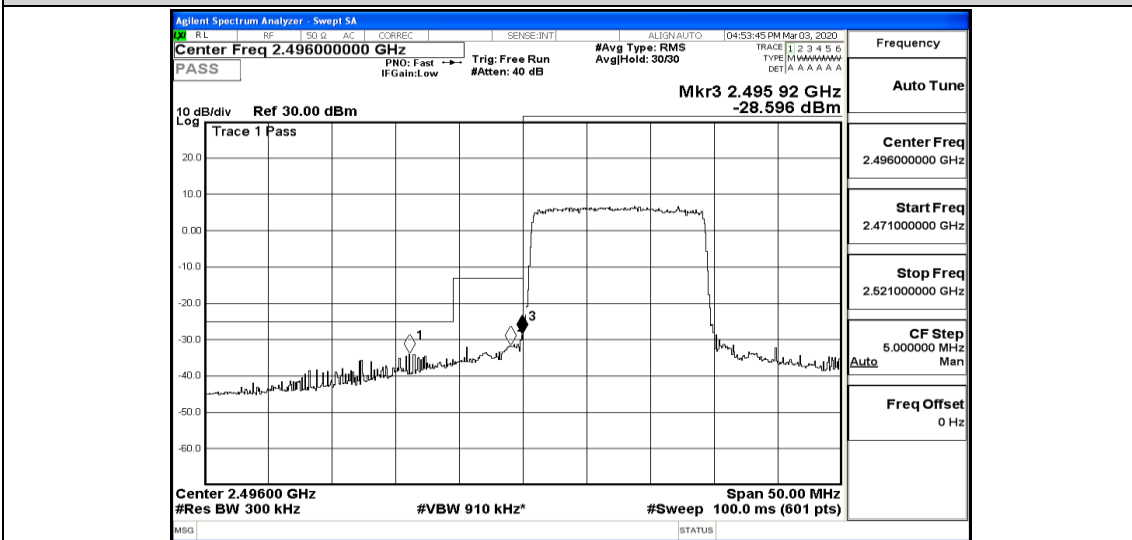
Band41-15MHz-QPSK-39725-75RB#0



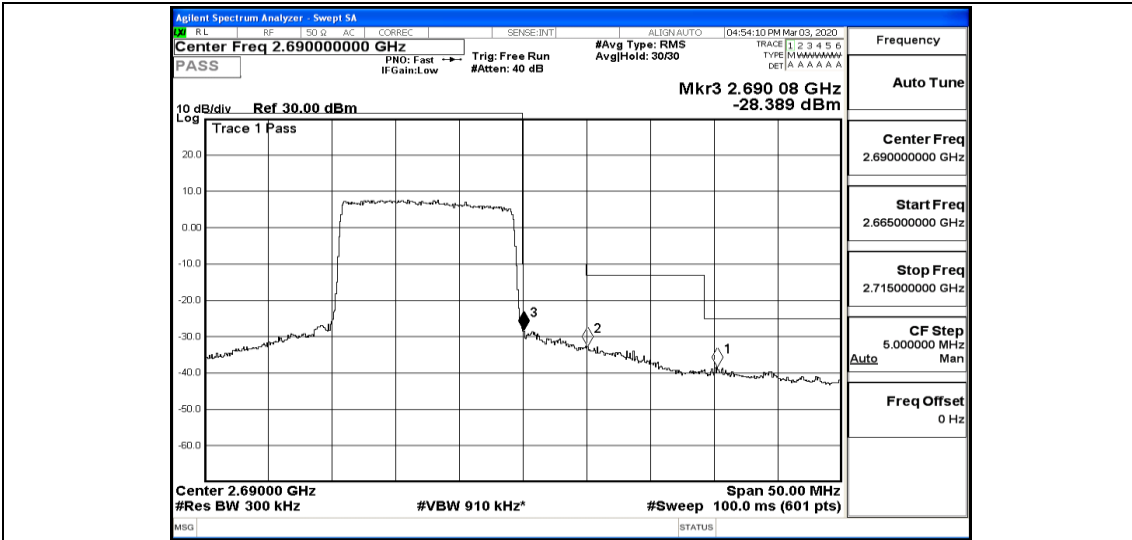
Band41-15MHz-QPSK-41515-75RB#0



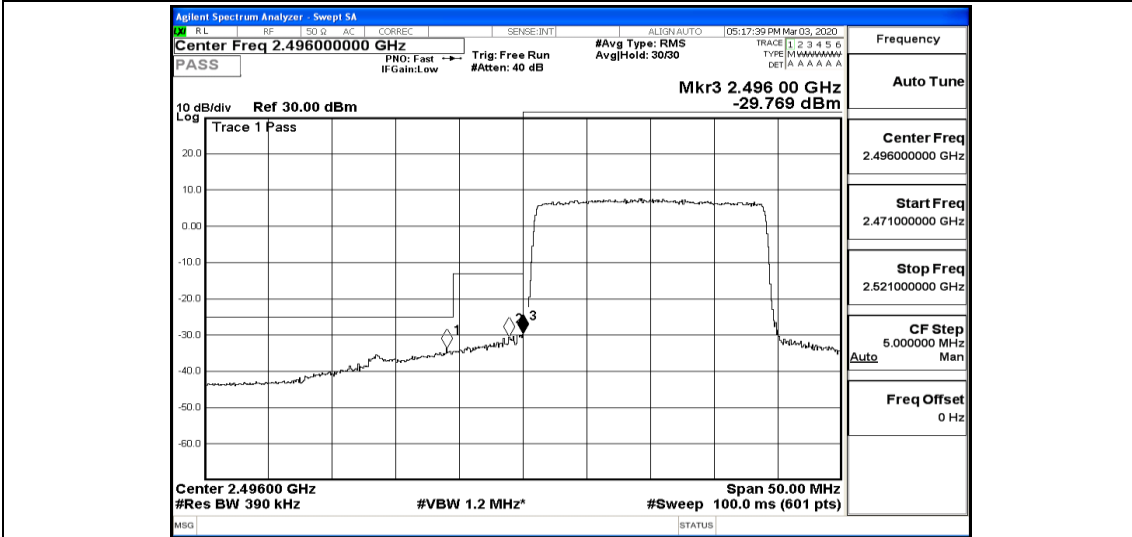
Band41-15MHz-16QAM-39725-75RB#0



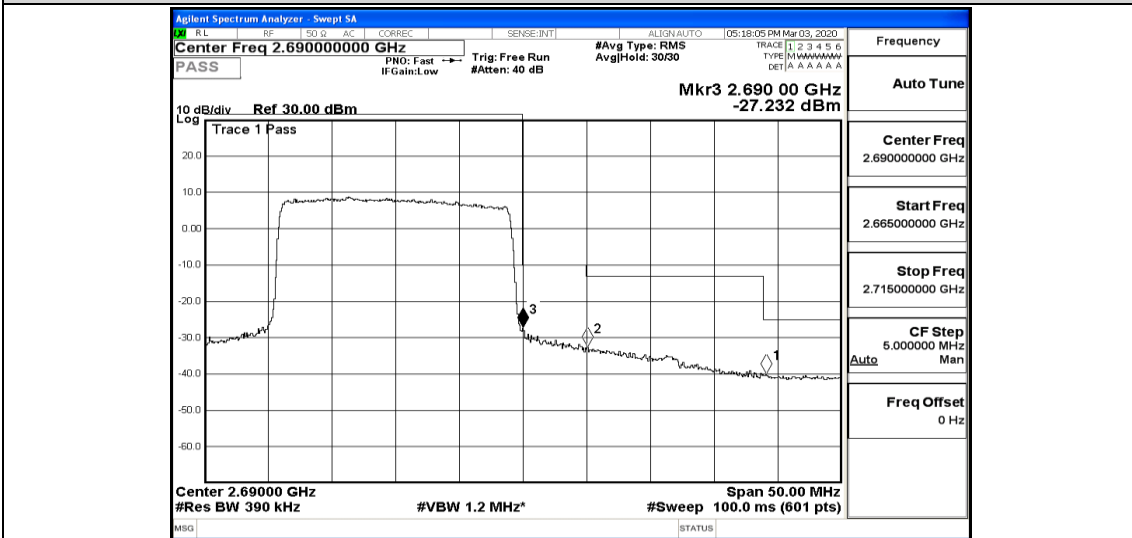
Band41-15MHz-16QAM-41515-75RB#0



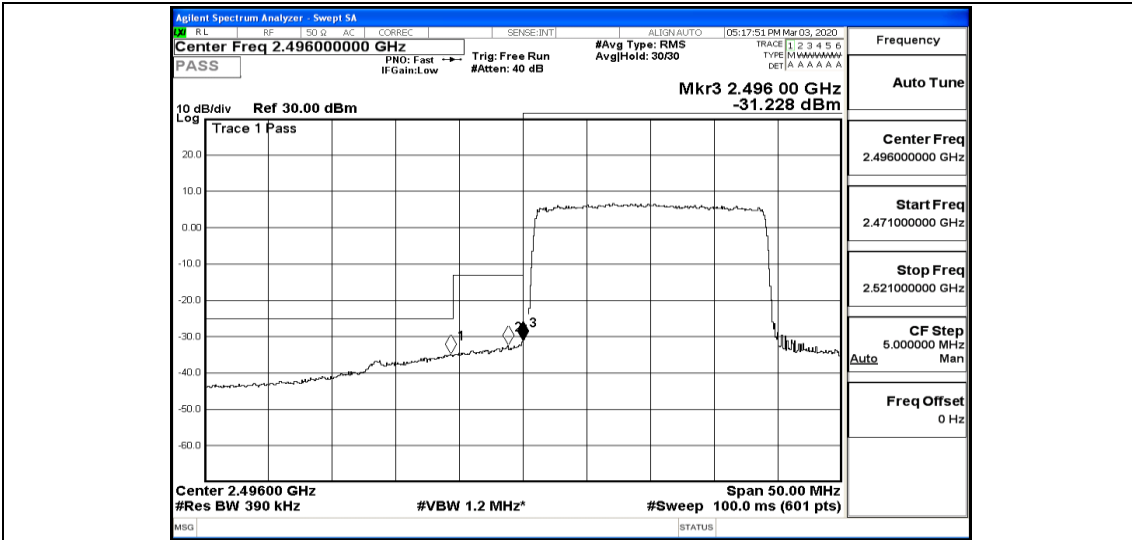
Band41-20MHz-QPSK-39750-100RB#0



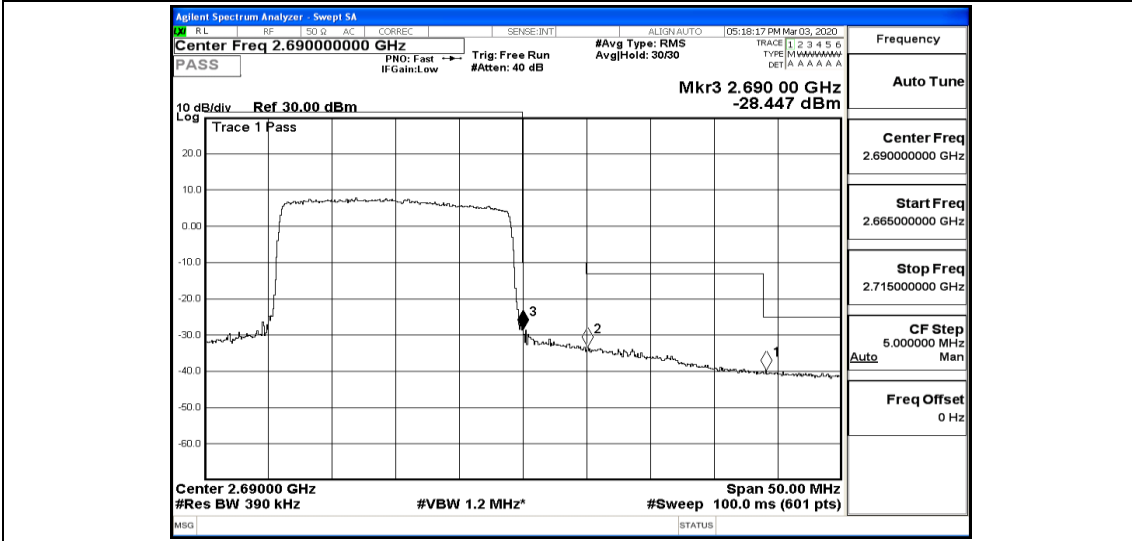
Band41-20MHz-QPSK-41490-100RB#0



Band41-20MHz-16QAM-39750-100RB#0



Band41-20MHz-16QAM-41490-100RB#0



K.5: Conducted Spurious Emission

Test Result

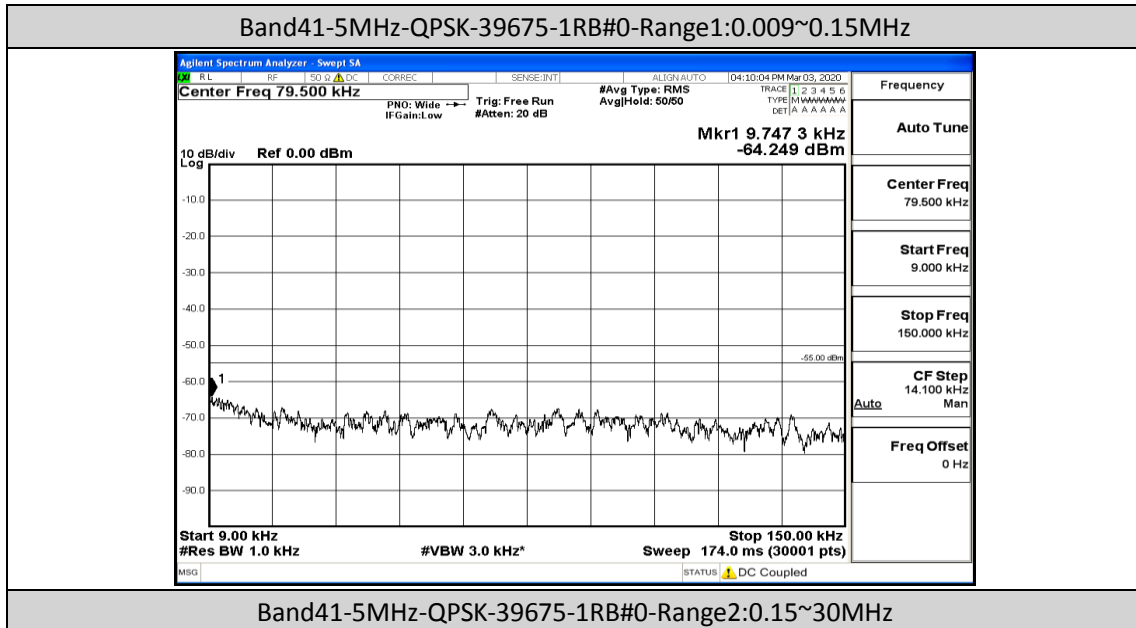
Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Limit (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	Range1:0.009~0.15MHz	-64.25	-55	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range2:0.15~30MHz	-55.5	-45	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range3:30~1000MHz	-35.52	-25	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range4:1000~5000MHz	-41.42	-25	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range5:5000~12000MHz	-61.22	-25	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range6:12000~26500MHz	-52.04	-25	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range1:0.009~0.15MHz	-63.86	-55	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range2:0.15~30MHz	-52.46	-45	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range3:30~1000MHz	-34.69	-25	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range4:1000~5000MHz	-41.85	-25	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range5:5000~12000MHz	-61	-25	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range6:12000~26500MHz	-51.99	-25	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range1:0.009~0.15MHz	-62.92	-55	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range2:0.15~30MHz	-53.65	-45	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range3:30~1000MHz	-34.82	-25	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range4:1000~5000MHz	-42.02	-25	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range5:5000~12000MHz	-54.14	-25	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range6:12000~26500MHz	-52.06	-25	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range1:0.009~0.15MHz	-61.99	-55	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range2:0.15~30MHz	-54.14	-45	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range3:30~1000MHz	-34.85	-25	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range4:1000~5000MHz	-41.33	-25	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range5:5000~12000MHz	-61.32	-25	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range6:12000~26500MHz	-52.14	-25	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range1:0.009~0.15MHz	-62.57	-55	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range2:0.15~30MHz	-51.64	-45	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range3:30~1000MHz	-35.32	-25	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range4:1000~5000MHz	-41.84	-25	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range5:5000~12000MHz	-61.16	-25	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range6:12000~26500MHz	-52.06	-25	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range1:0.009~0.15MHz	-62.35	-55	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range2:0.15~30MHz	-53.74	-45	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range3:30~1000MHz	-35.49	-25	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range4:1000~5000MHz	-41.82	-25	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range5:5000~12000MHz	-56.55	-25	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range6:12000~26500MHz	-51.95	-25	PASS

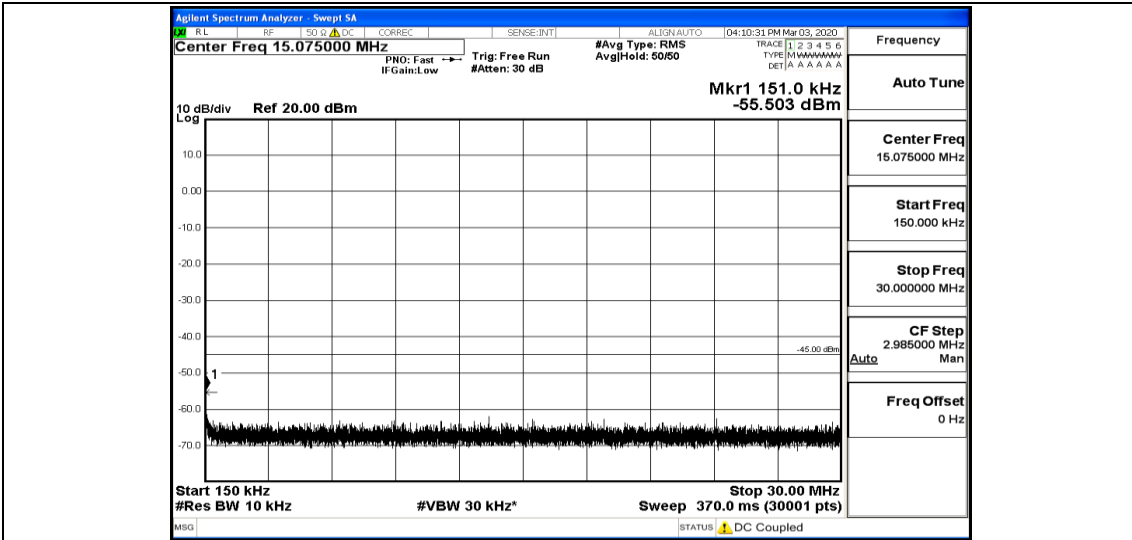
Band41	10MHz	QPSK	39700	1RB#0	Range1:0.009~0.15MHz	-63.05	-55	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range2:0.15~30MHz	-53.53	-45	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range3:30~1000MHz	-35.06	-25	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range4:1000~5000MHz	-41.31	-25	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range5:5000~12000MHz	-61.16	-25	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range6:12000~26500MHz	-52.08	-25	PASS
Band41	10MHz	QPSK	40620	1RB#0	Range1:0.009~0.15MHz	-61.08	-55	PASS
Band41	10MHz	QPSK	40620	1RB#0	Range2:0.15~30MHz	-52.69	-45	PASS
Band41	10MHz	QPSK	40620	1RB#0	Range3:30~1000MHz	-35.52	-25	PASS
Band41	10MHz	QPSK	40620	1RB#0	Range4:1000~5000MHz	-41.87	-25	PASS
Band41	10MHz	QPSK	40620	1RB#0	Range5:5000~12000MHz	-60.37	-25	PASS
Band41	10MHz	QPSK	40620	1RB#0	Range6:12000~26500MHz	-51.92	-25	PASS
Band41	10MHz	QPSK	41540	1RB#0	Range1:0.009~0.15MHz	-62.88	-55	PASS
Band41	10MHz	QPSK	41540	1RB#0	Range2:0.15~30MHz	-53.09	-45	PASS
Band41	10MHz	QPSK	41540	1RB#0	Range3:30~1000MHz	-35.22	-25	PASS
Band41	10MHz	QPSK	41540	1RB#0	Range4:1000~5000MHz	-42.06	-25	PASS
Band41	10MHz	QPSK	41540	1RB#0	Range5:5000~12000MHz	-60.77	-25	PASS
Band41	10MHz	QPSK	41540	1RB#0	Range6:12000~26500MHz	-52.13	-25	PASS
Band41	10MHz	16QAM	39700	1RB#0	Range1:0.009~0.15MHz	-62.24	-55	PASS
Band41	10MHz	16QAM	39700	1RB#0	Range2:0.15~30MHz	-54.86	-45	PASS
Band41	10MHz	16QAM	39700	1RB#0	Range3:30~1000MHz	-34.07	-25	PASS
Band41	10MHz	16QAM	39700	1RB#0	Range4:1000~5000MHz	-41.38	-25	PASS
Band41	10MHz	16QAM	39700	1RB#0	Range5:5000~12000MHz	-61.1	-25	PASS
Band41	10MHz	16QAM	39700	1RB#0	Range6:12000~26500MHz	-51.87	-25	PASS
Band41	10MHz	16QAM	40620	1RB#0	Range1:0.009~0.15MHz	-61.43	-55	PASS
Band41	10MHz	16QAM	40620	1RB#0	Range2:0.15~30MHz	-51.83	-45	PASS
Band41	10MHz	16QAM	40620	1RB#0	Range3:30~1000MHz	-35.2	-25	PASS
Band41	10MHz	16QAM	40620	1RB#0	Range4:1000~5000MHz	-41.8	-25	PASS
Band41	10MHz	16QAM	40620	1RB#0	Range5:5000~12000MHz	-60.28	-25	PASS
Band41	10MHz	16QAM	40620	1RB#0	Range6:12000~26500MHz	-51.97	-25	PASS
Band41	10MHz	16QAM	41540	1RB#0	Range1:0.009~0.15MHz	-61.78	-55	PASS
Band41	10MHz	16QAM	41540	1RB#0	Range2:0.15~30MHz	-53.37	-45	PASS
Band41	10MHz	16QAM	41540	1RB#0	Range3:30~1000MHz	-35.56	-25	PASS
Band41	10MHz	16QAM	41540	1RB#0	Range4:1000~5000MHz	-41.99	-25	PASS
Band41	10MHz	16QAM	41540	1RB#0	Range5:5000~12000MHz	-56.84	-25	PASS
Band41	10MHz	16QAM	41540	1RB#0	Range6:12000~26500MHz	-52.01	-25	PASS
Band41	15MHz	QPSK	39725	1RB#0	Range1:0.009~0.15MHz	-62.93	-55	PASS
Band41	15MHz	QPSK	39725	1RB#0	Range2:0.15~30MHz	-53.17	-45	PASS
Band41	15MHz	QPSK	39725	1RB#0	Range3:30~1000MHz	-35.94	-25	PASS
Band41	15MHz	QPSK	39725	1RB#0	Range4:1000~5000MHz	-41.44	-25	PASS
Band41	15MHz	QPSK	39725	1RB#0	Range5:5000~12000MHz	-61.07	-25	PASS
Band41	15MHz	QPSK	39725	1RB#0	Range6:12000~26500MHz	-52.09	-25	PASS
Band41	15MHz	QPSK	40620	1RB#0	Range1:0.009~0.15MHz	-63.22	-55	PASS

Band41	15MHz	QPSK	40620	1RB#0	Range2:0.15~30MHz	-52.22	-45	PASS
Band41	15MHz	QPSK	40620	1RB#0	Range3:30~1000MHz	-35.13	-25	PASS
Band41	15MHz	QPSK	40620	1RB#0	Range4:1000~5000MHz	-41.78	-25	PASS
Band41	15MHz	QPSK	40620	1RB#0	Range5:5000~12000MHz	-60.29	-25	PASS
Band41	15MHz	QPSK	40620	1RB#0	Range6:12000~26500MHz	-52.08	-25	PASS
Band41	15MHz	QPSK	41515	1RB#0	Range1:0.009~0.15MHz	-64.28	-55	PASS
Band41	15MHz	QPSK	41515	1RB#0	Range2:0.15~30MHz	-54.74	-45	PASS
Band41	15MHz	QPSK	41515	1RB#0	Range3:30~1000MHz	-35.85	-25	PASS
Band41	15MHz	QPSK	41515	1RB#0	Range4:1000~5000MHz	-41.89	-25	PASS
Band41	15MHz	QPSK	41515	1RB#0	Range5:5000~12000MHz	-58.54	-25	PASS
Band41	15MHz	QPSK	41515	1RB#0	Range6:12000~26500MHz	-52.02	-25	PASS
Band41	15MHz	16QAM	39725	1RB#0	Range1:0.009~0.15MHz	-61.87	-55	PASS
Band41	15MHz	16QAM	39725	1RB#0	Range2:0.15~30MHz	-53.58	-45	PASS
Band41	15MHz	16QAM	39725	1RB#0	Range3:30~1000MHz	-36.01	-25	PASS
Band41	15MHz	16QAM	39725	1RB#0	Range4:1000~5000MHz	-41.44	-25	PASS
Band41	15MHz	16QAM	39725	1RB#0	Range5:5000~12000MHz	-61.25	-25	PASS
Band41	15MHz	16QAM	39725	1RB#0	Range6:12000~26500MHz	-51.82	-25	PASS
Band41	15MHz	16QAM	40620	1RB#0	Range1:0.009~0.15MHz	-60.47	-55	PASS
Band41	15MHz	16QAM	40620	1RB#0	Range2:0.15~30MHz	-51.94	-45	PASS
Band41	15MHz	16QAM	40620	1RB#0	Range3:30~1000MHz	-35.23	-25	PASS
Band41	15MHz	16QAM	40620	1RB#0	Range4:1000~5000MHz	-41.55	-25	PASS
Band41	15MHz	16QAM	40620	1RB#0	Range5:5000~12000MHz	-61.22	-25	PASS
Band41	15MHz	16QAM	40620	1RB#0	Range6:12000~26500MHz	-51.94	-25	PASS
Band41	15MHz	16QAM	41515	1RB#0	Range1:0.009~0.15MHz	-62.08	-55	PASS
Band41	15MHz	16QAM	41515	1RB#0	Range2:0.15~30MHz	-54.33	-45	PASS
Band41	15MHz	16QAM	41515	1RB#0	Range3:30~1000MHz	-34.56	-25	PASS
Band41	15MHz	16QAM	41515	1RB#0	Range4:1000~5000MHz	-41.82	-25	PASS
Band41	15MHz	16QAM	41515	1RB#0	Range5:5000~12000MHz	-58.51	-25	PASS
Band41	15MHz	16QAM	41515	1RB#0	Range6:12000~26500MHz	-52.18	-25	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range1:0.009~0.15MHz	-61.67	-55	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range2:0.15~30MHz	-51.92	-45	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range3:30~1000MHz	-35.94	-25	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range4:1000~5000MHz	-41.02	-25	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range5:5000~12000MHz	-61.02	-25	PASS
Band41	20MHz	QPSK	39750	1RB#0	Range6:12000~26500MHz	-52.22	-25	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range1:0.009~0.15MHz	-61.93	-55	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range2:0.15~30MHz	-50.62	-45	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range3:30~1000MHz	-35.39	-25	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range4:1000~5000MHz	-41.86	-25	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range5:5000~12000MHz	-61	-25	PASS
Band41	20MHz	QPSK	40620	1RB#0	Range6:12000~26500MHz	-52	-25	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range1:0.009~0.15MHz	-62.51	-55	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range2:0.15~30MHz	-53.98	-45	PASS

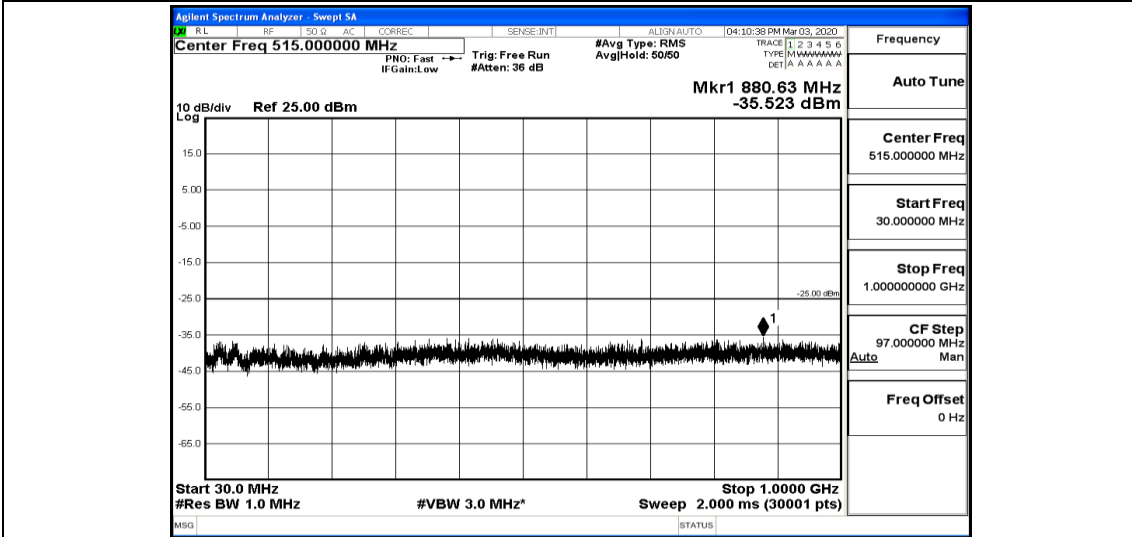
Band41	20MHz	QPSK	41490	1RB#0	Range3:30~1000MHz	-34.97	-25	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range4:1000~5000MHz	-41.92	-25	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range5:5000~12000MHz	-60.21	-25	PASS
Band41	20MHz	QPSK	41490	1RB#0	Range6:12000~26500MHz	-52.22	-25	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range1:0.009~0.15MHz	-61.74	-55	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range2:0.15~30MHz	-52.89	-45	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range3:30~1000MHz	-35.43	-25	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range4:1000~5000MHz	-41.43	-25	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range5:5000~12000MHz	-61.18	-25	PASS
Band41	20MHz	16QAM	39750	1RB#0	Range6:12000~26500MHz	-52.05	-25	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range1:0.009~0.15MHz	-62.45	-55	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range2:0.15~30MHz	-51.06	-45	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range3:30~1000MHz	-34.8	-25	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range4:1000~5000MHz	-41.78	-25	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range5:5000~12000MHz	-61.24	-25	PASS
Band41	20MHz	16QAM	40620	1RB#0	Range6:12000~26500MHz	-52.1	-25	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range1:0.009~0.15MHz	-62.18	-55	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range2:0.15~30MHz	-53.93	-45	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range3:30~1000MHz	-35.98	-25	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range4:1000~5000MHz	-42.02	-25	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range5:5000~12000MHz	-60.71	-25	PASS
Band41	20MHz	16QAM	41490	1RB#0	Range6:12000~26500MHz	-52.04	-25	PASS

Test Graphs

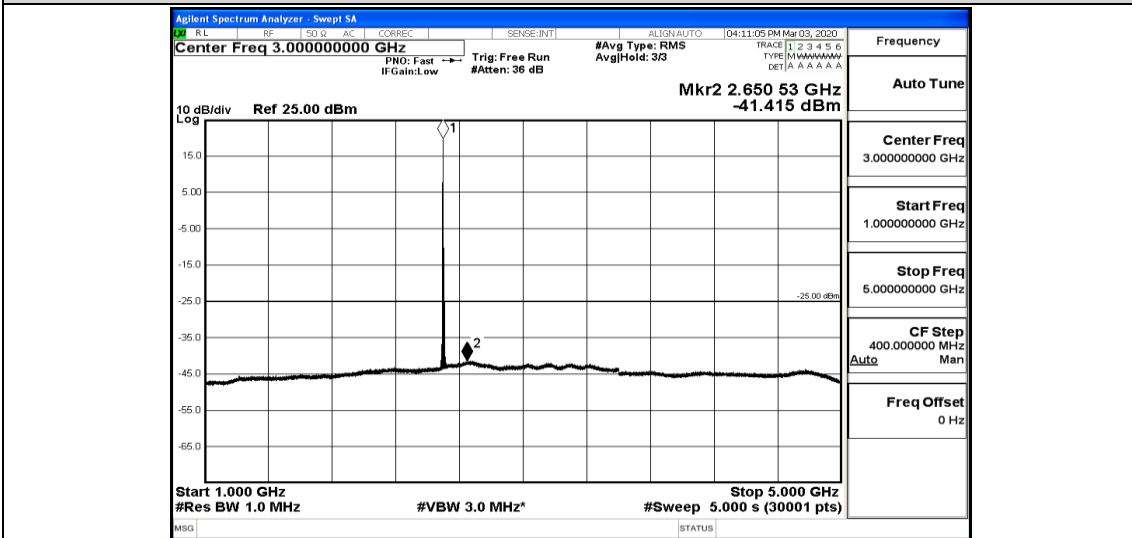




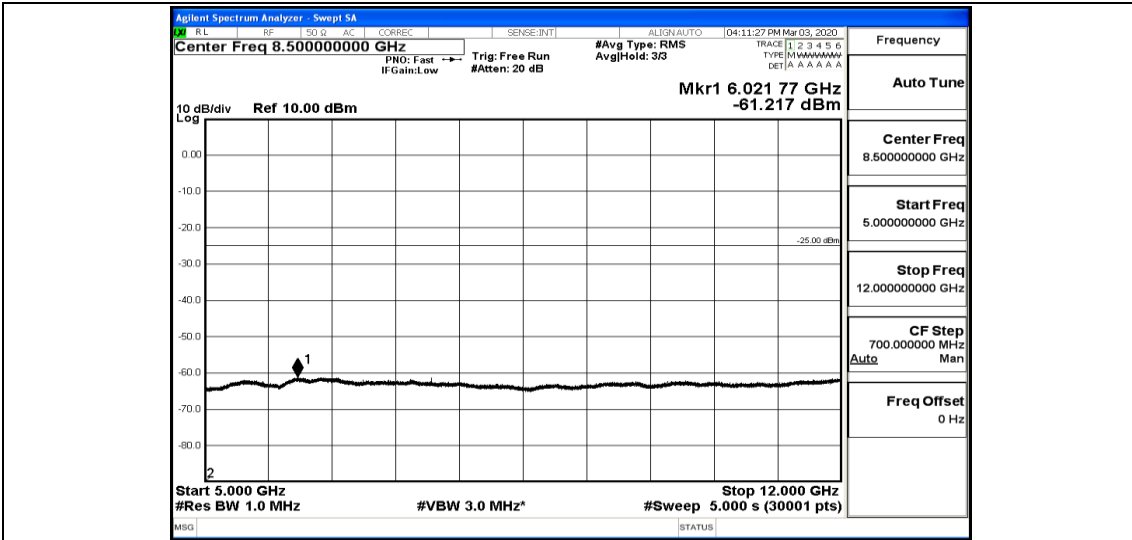
Band41-5MHz-QPSK-39675-1RB#0-Range3:30~1000MHz



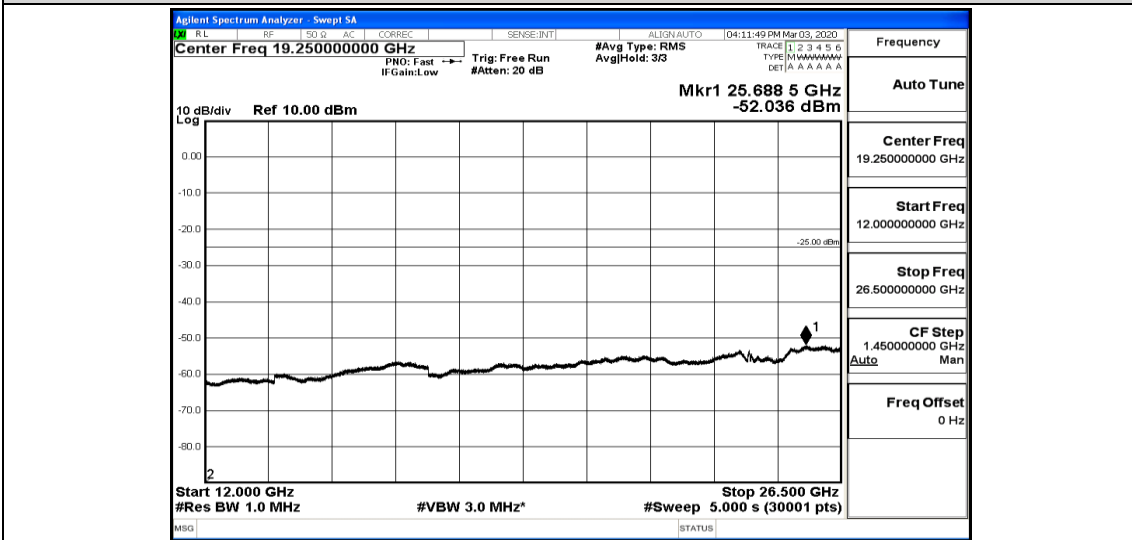
Band41-5MHz-QPSK-39675-1RB#0-Range4:1000~5000MHz



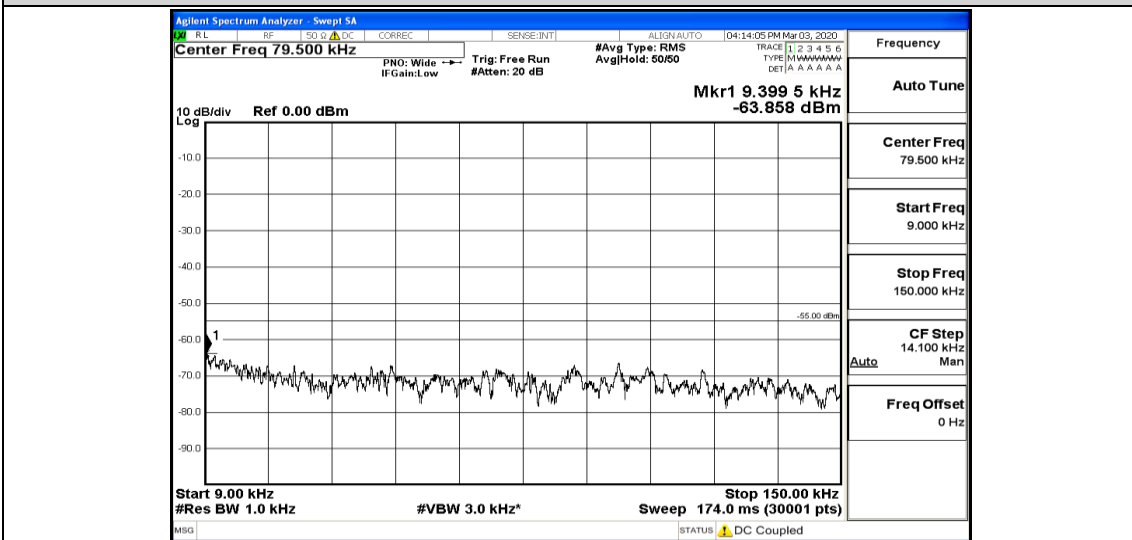
Band41-5MHz-QPSK-39675-1RB#0-Range5:5000~12000MHz



Band41-5MHz-QPSK-39675-1RB#0-Range6:12000~26500MHz



Band41-5MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



Band41-5MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz