

## Appendix E: Test Data for E-UTRA Band 41

**Product Name:** Tablet  
**Trade Mark:** LAVA & XOLO  
**Test Model:** T101

### Environmental Conditions

Temperature:	24.6° C
Relative Humidity:	54.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Li Huan
Supervised by:	Li Huan

**E.1 Conducted Output Power**

Conducted Output Power Test Result (Channel Bandwidth: 5 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.34	22.00	PASS
		1	12	23.90	22.51	PASS
		1	24	23.66	22.14	PASS
		12	0	22.56	21.63	PASS
		12	6	22.74	21.69	PASS
		12	13	22.66	21.73	PASS
		25	0	22.66	21.87	PASS
	MCH	1	0	22.71	21.79	PASS
		1	12	22.85	21.78	PASS
		1	24	22.59	21.41	PASS
		12	0	21.86	20.90	PASS
		12	6	21.97	21.01	PASS
		12	13	21.84	20.83	PASS
		25	0	21.85	20.81	PASS
	HCH	1	0	23.01	22.00	PASS
		1	12	23.31	22.26	PASS
		1	24	23.04	22.09	PASS
		12	0	22.29	21.13	PASS
		12	6	22.41	21.17	PASS
		12	13	22.27	21.11	PASS
		25	0	22.34	21.48	PASS

Conducted Output Power Test Result (Channel Bandwidth: 10 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.52	22.81	PASS
		1	24	24.16	23.42	PASS
		1	49	23.51	22.80	PASS
		25	0	22.86	21.86	PASS
		25	12	22.87	21.90	PASS
		25	25	22.81	21.92	PASS
		50	0	22.83	21.86	PASS
	MCH	1	0	23.18	21.43	PASS
		1	24	23.18	21.39	PASS
		1	49	22.61	20.88	PASS
		25	0	22.03	21.11	PASS
		25	12	21.88	21.09	PASS
		25	25	21.73	20.89	PASS
		50	0	21.90	20.73	PASS
	HCH	1	0	22.88	22.83	PASS
		1	24	23.38	23.31	PASS
		1	49	22.95	22.94	PASS
		25	0	22.19	21.06	PASS
		25	12	22.35	21.19	PASS
		25	25	22.18	21.16	PASS
		50	0	22.24	21.33	PASS

Conducted Output Power Test Result (Channel Bandwidth: 15 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.51	23.05	PASS
		1	37	23.93	23.48	PASS
		1	74	23.36	22.75	PASS
		37	0	22.77	21.61	PASS
		37	18	23.00	21.94	PASS
		37	38	22.80	21.64	PASS
		75	0	22.80	21.86	PASS
	MCH	1	0	23.24	22.27	PASS
		1	37	23.00	22.11	PASS
		1	74	22.40	21.55	PASS
		37	0	22.11	21.07	PASS
		37	18	22.03	20.84	PASS
		37	38	21.80	20.54	PASS
		75	0	21.85	20.91	PASS
	HCH	1	0	22.68	22.01	PASS
		1	37	23.21	22.43	PASS
		1	74	23.04	22.25	PASS
		37	0	22.07	20.95	PASS
		37	18	22.19	21.10	PASS
		37	38	22.20	21.05	PASS
		75	0	22.00	21.12	PASS

Conducted Output Power Test Result (Channel Bandwidth: 20 MHz)						
Modulation	Channel	RB Configuration		Average Power [dBm]	Average Power [dBm]	Verdict
		Size	Offset	QPSK	16QAM	
QPSK / 16QAM	LCH	1	0	23.26	22.95	PASS
		1	49	23.84	23.30	PASS
		1	99	22.64	22.19	PASS
		50	0	22.88	21.96	PASS
		50	25	22.85	21.93	PASS
		50	50	22.58	21.51	PASS
		100	0	22.75	21.69	PASS
	MCH	1	0	23.42	21.64	PASS
		1	49	23.19	21.41	PASS
		1	99	22.50	20.78	PASS
		50	0	22.27	21.22	PASS
		50	25	22.13	21.14	PASS
		50	50	21.84	20.91	PASS
		100	0	22.01	21.03	PASS
	HCH	1	0	22.78	22.11	PASS
		1	49	23.54	22.49	PASS
		1	99	23.28	22.32	PASS
		50	0	21.92	21.00	PASS
		50	25	22.24	21.13	PASS
		50	50	22.22	21.13	PASS
		100	0	22.09	21.14	PASS

**E.2 Peak-to-Average Ratio**

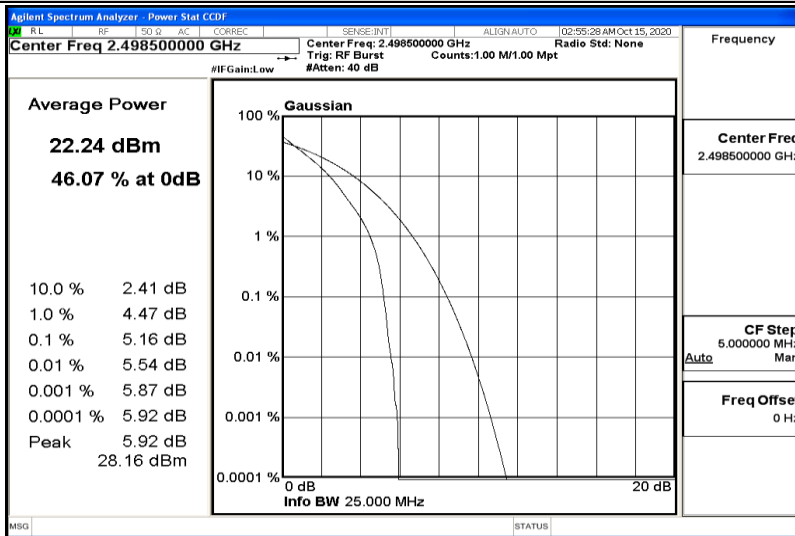
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.16	<13	PASS
	MCH	5.25	<13	PASS
	HCH	5.11	<13	PASS
16QAM	LCH	5.99	<13	PASS
	MCH	6.04	<13	PASS
	HCH	5.94	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.07	<13	PASS
	MCH	5.17	<13	PASS
	HCH	5.12	<13	PASS
16QAM	LCH	6.11	<13	PASS
	MCH	6.04	<13	PASS
	HCH	5.97	<13	PASS

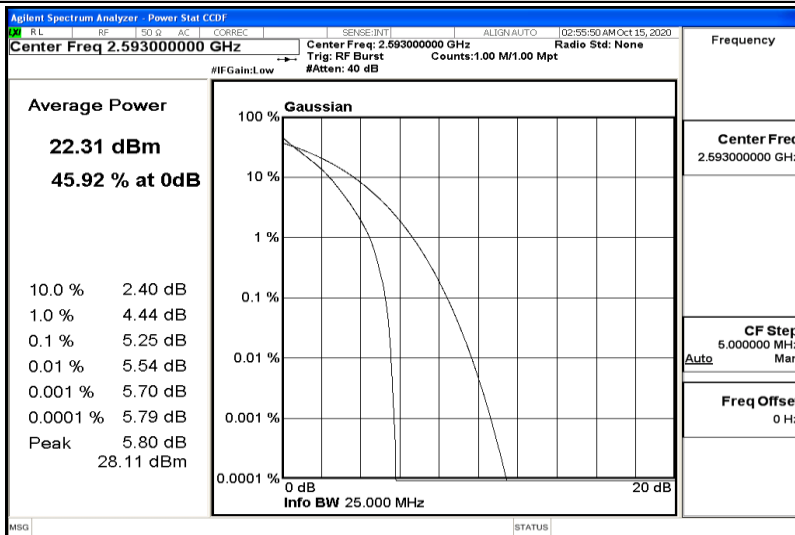
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.27	<13	PASS
	MCH	5.35	<13	PASS
	HCH	5.24	<13	PASS
16QAM	LCH	5.99	<13	PASS
	MCH	6.10	<13	PASS
	HCH	6.00	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.11	<13	PASS
	MCH	5.15	<13	PASS
	HCH	5.07	<13	PASS
16QAM	LCH	5.95	<13	PASS
	MCH	6.01	<13	PASS
	HCH	5.94	<13	PASS

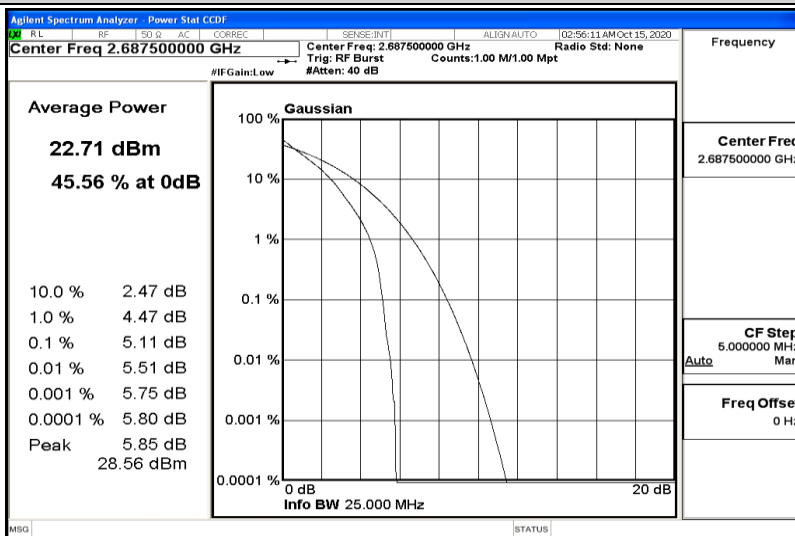
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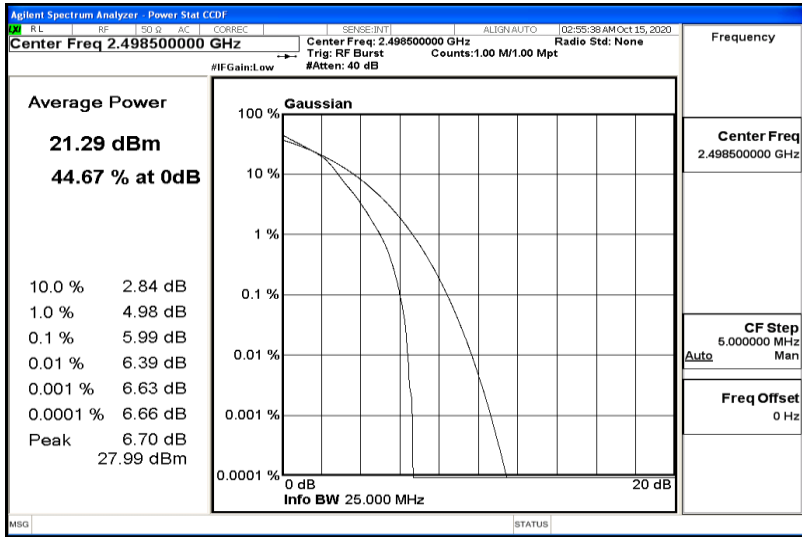
Band41-5MHz-QPSK-40620-25RB#0



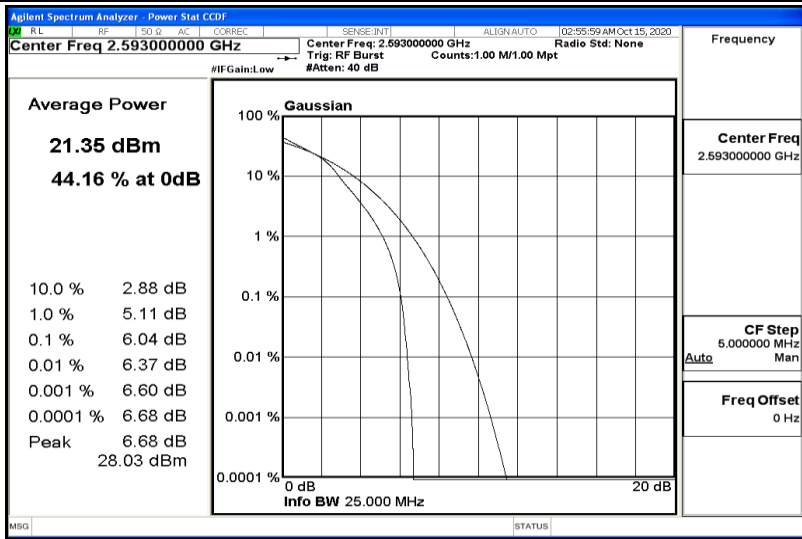
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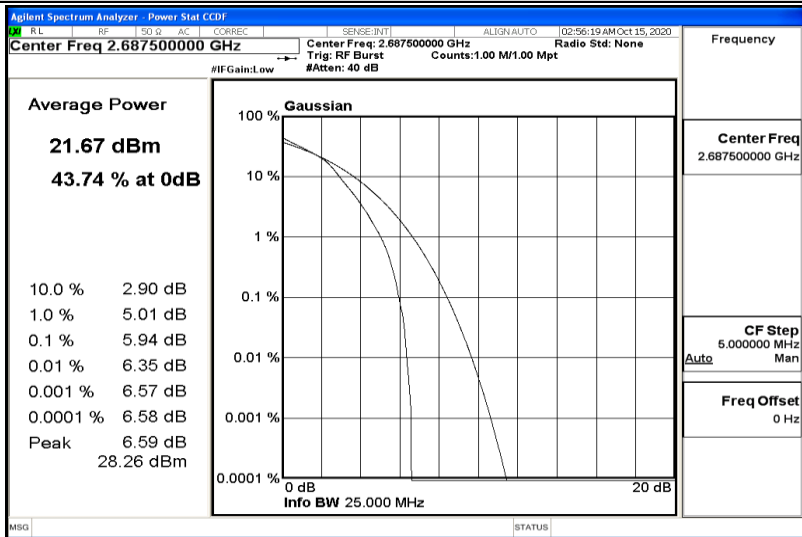
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Band41-5MHz-16QAM-40620-25RB#0

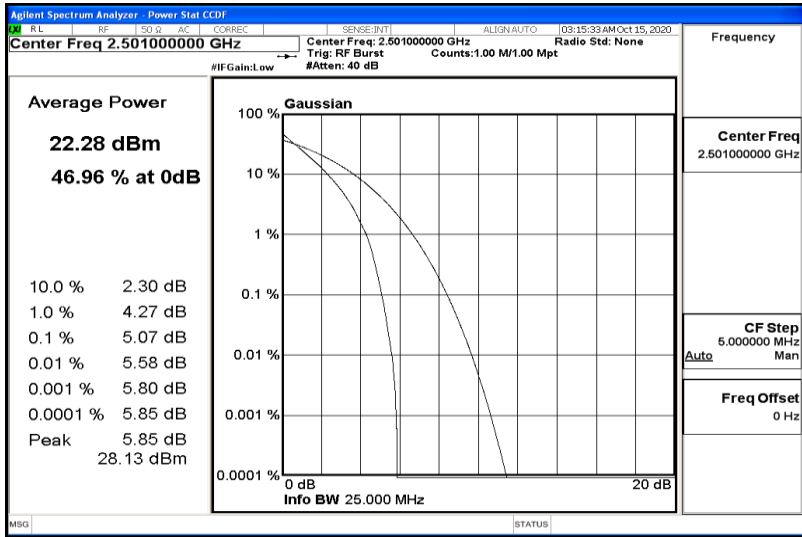


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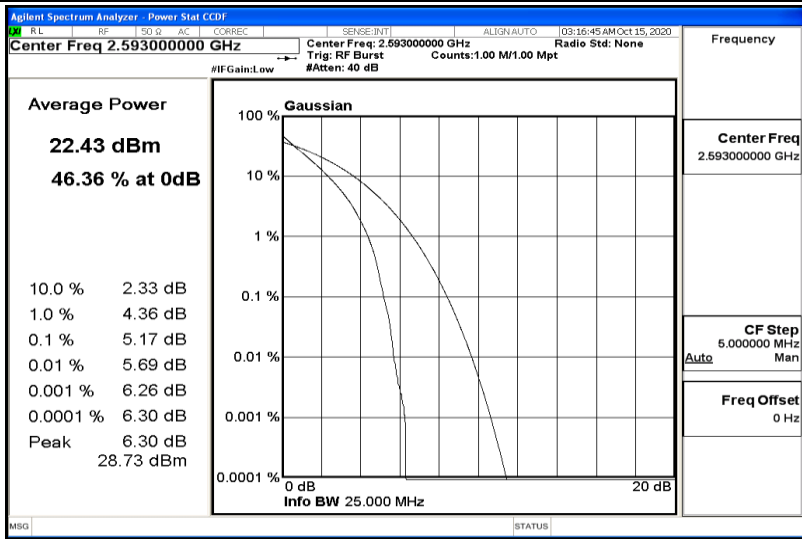


Band41-10MHz-QPSK-39700-50RB#0

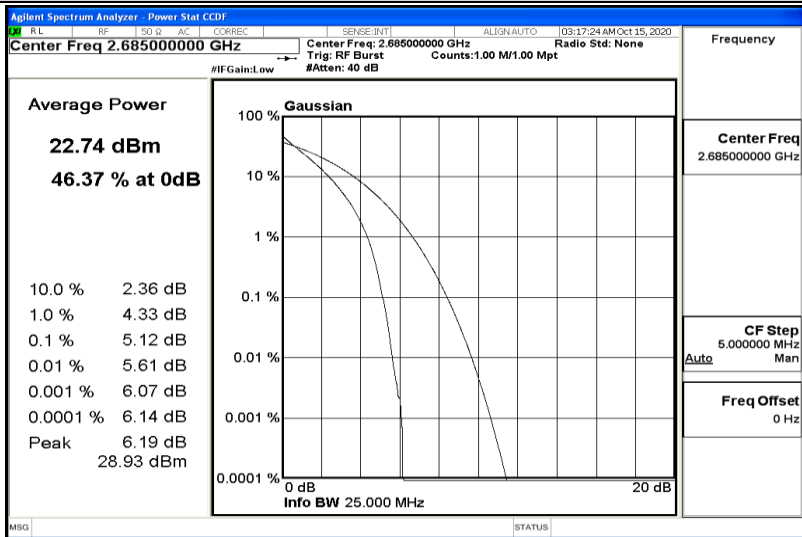




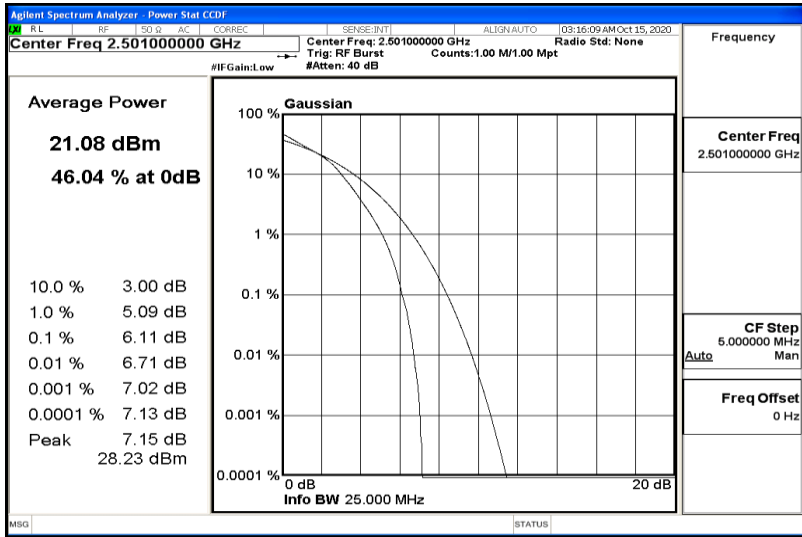
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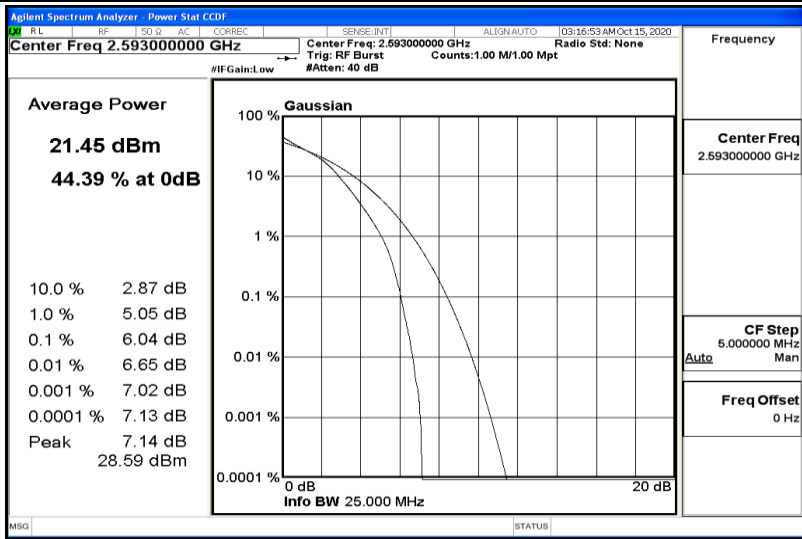
Band41-10MHz-QPSK-41540-50RB#0



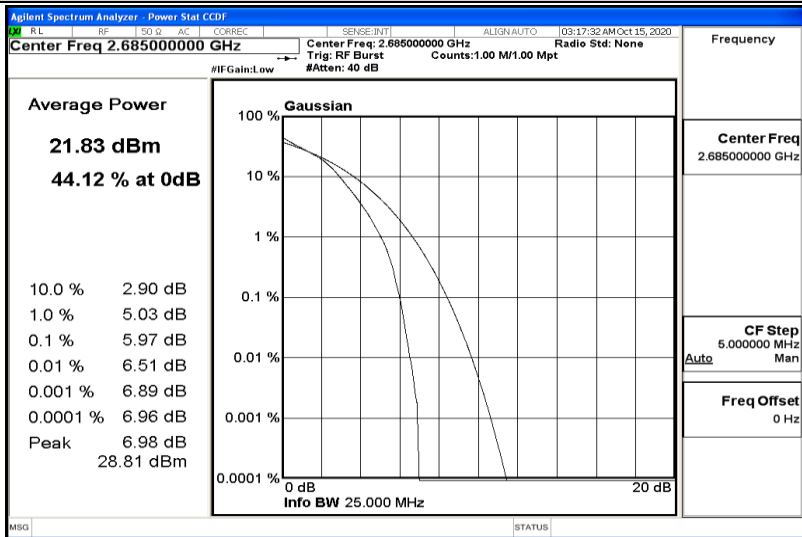
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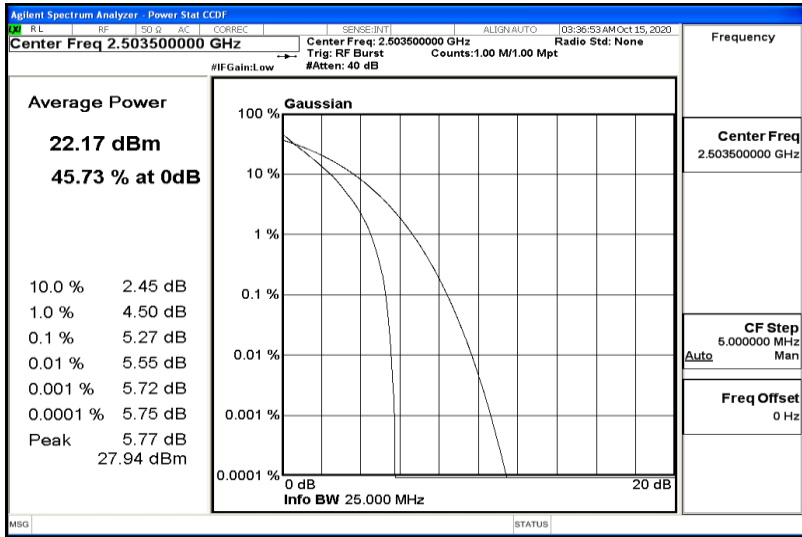
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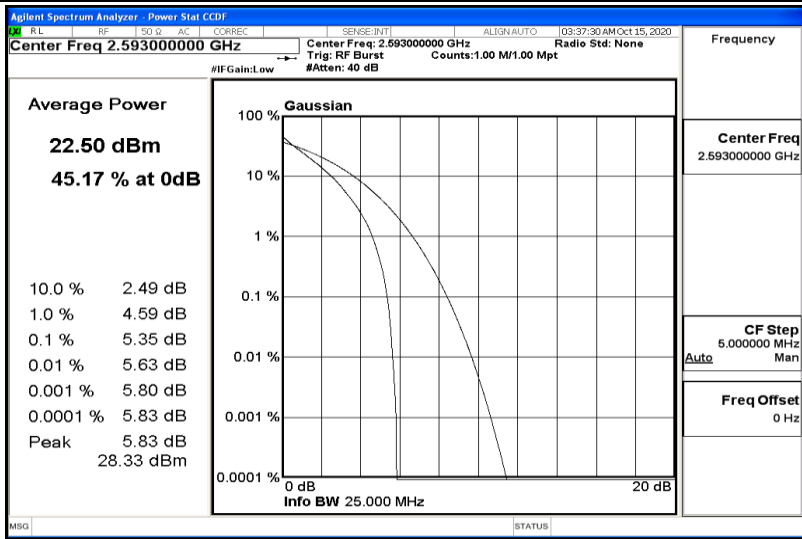
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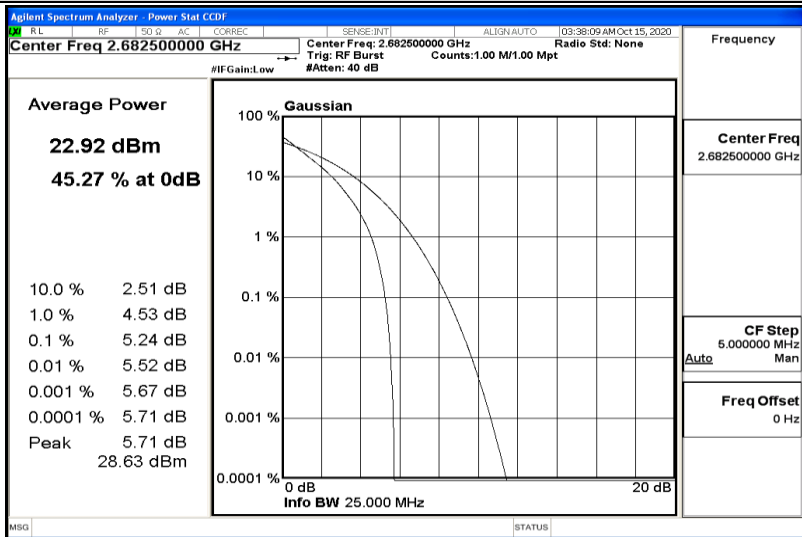
Band41-15MHz-QPSK-39725-75RB#0



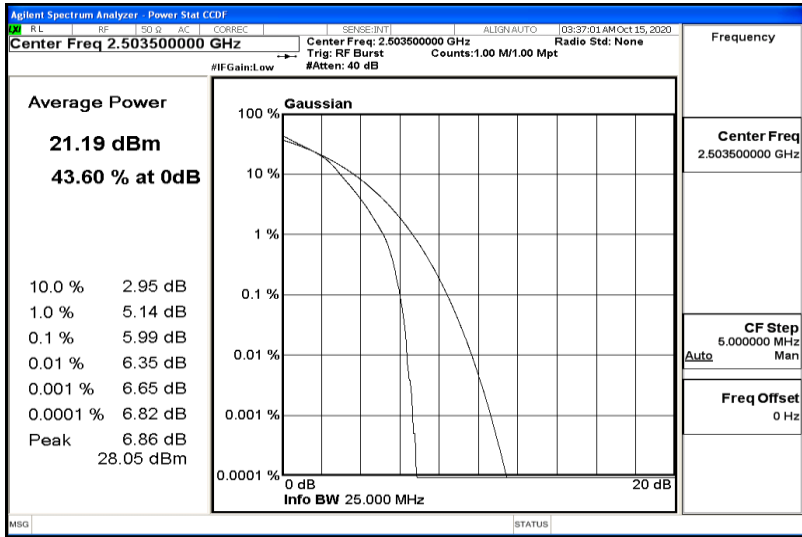
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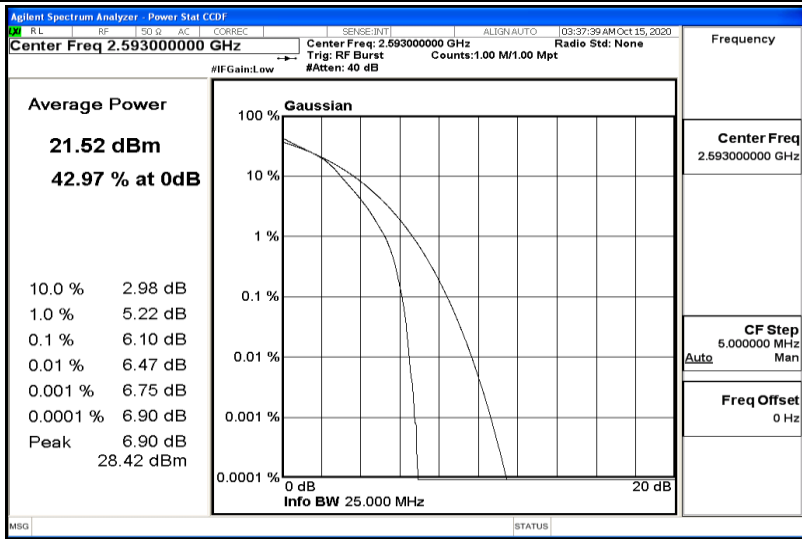
Band41-15MHz-QPSK-41515-75RB#0



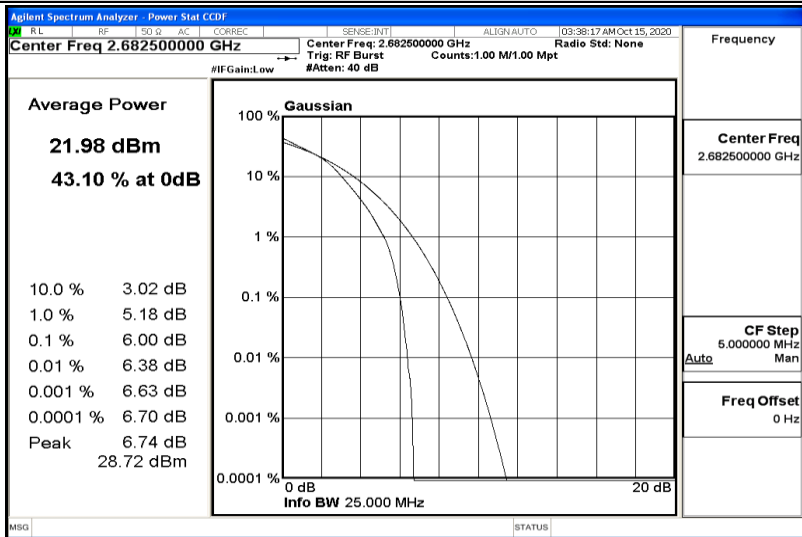
Band41-15MHz-16QAM-39725-75RB#0



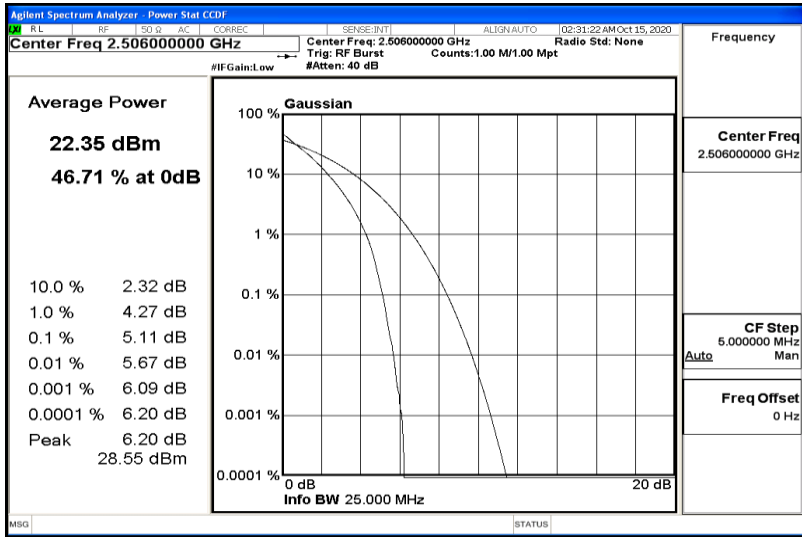
Band41-15MHz-16QAM-40620-75RB#0



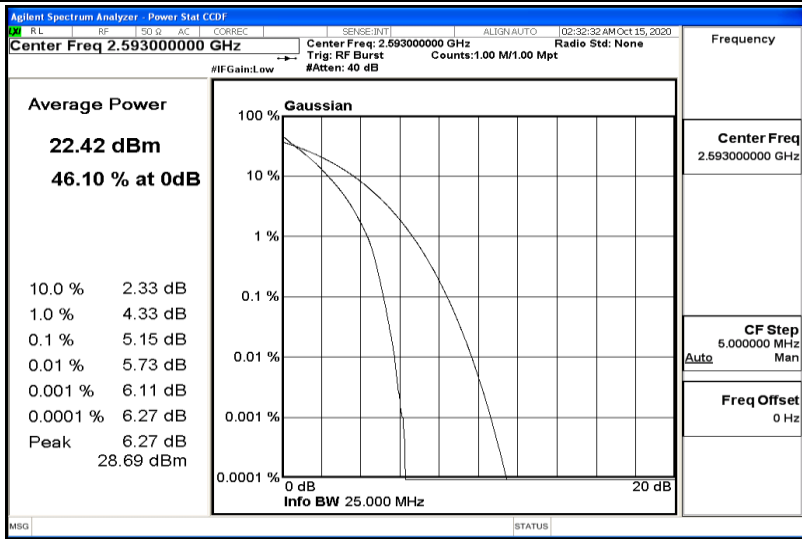
Band41-15MHz-16QAM-41515-75RB#0



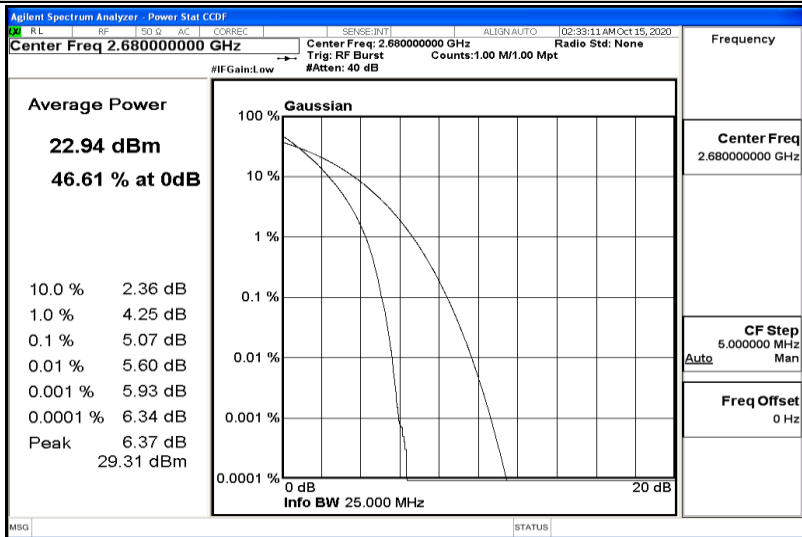
Band41-20MHz-QPSK-39750-100RB#0



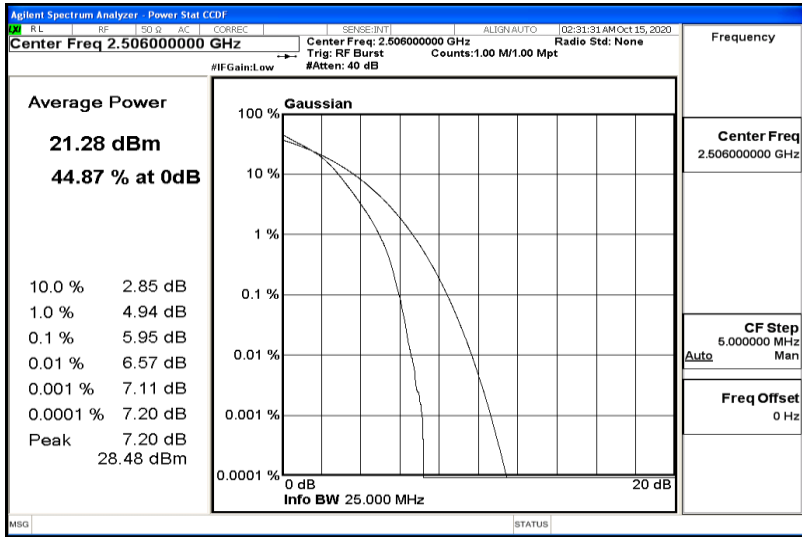
Band41-20MHz-QPSK-40620-100RB#0



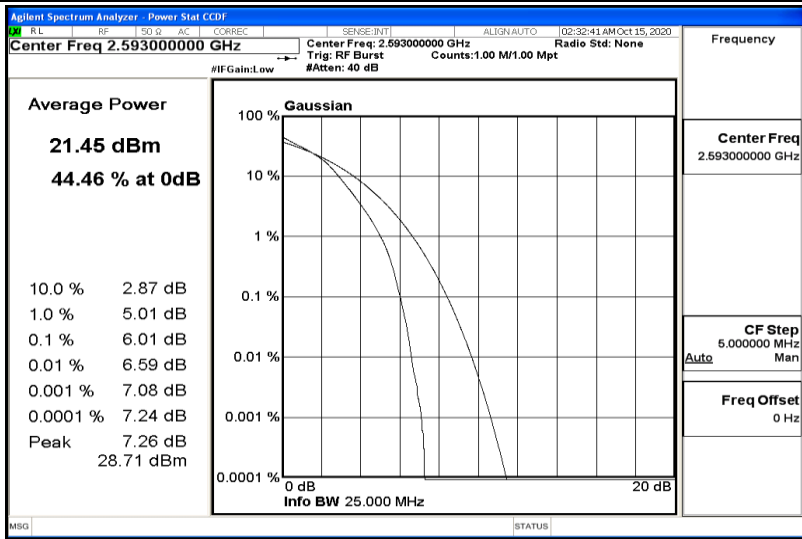
Band41-20MHz-QPSK-41490-100RB#0



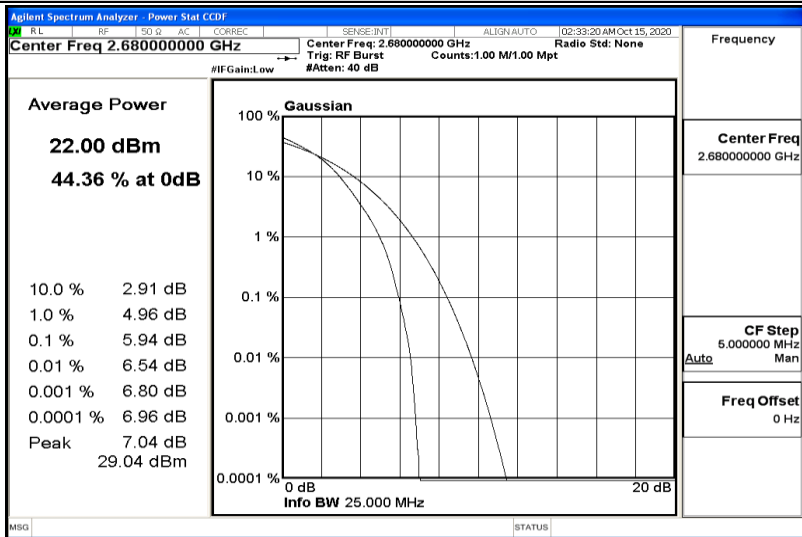
Band41-20MHz-16QAM-39750-100RB#0



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



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



**E.3 26dB Bandwidth and Occupied Bandwidth**

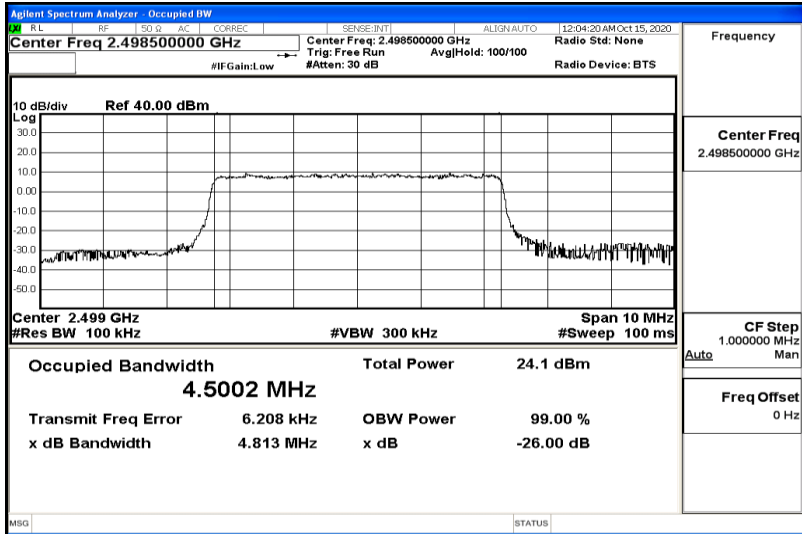
<b>EBW &amp; OBW Test Result (Channel Bandwidth: 5 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.5002	4.813	PASS
	MCH	4.5056	4.805	PASS
	HCH	4.4961	4.907	PASS
16QAM	LCH	4.4933	4.841	PASS
	MCH	4.4945	4.851	PASS
	HCH	4.4910	4.875	PASS

<b>EBW &amp; OBW Test Result (Channel Bandwidth: 10 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9508	9.507	PASS
	MCH	8.9583	9.535	PASS
	HCH	8.9666	9.499	PASS
16QAM	LCH	8.9555	9.513	PASS
	MCH	8.9558	9.524	PASS
	HCH	8.9585	9.488	PASS

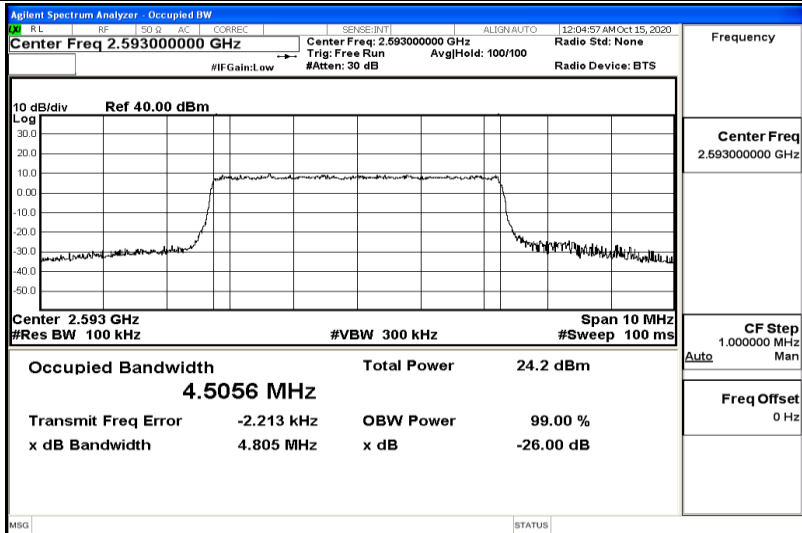
<b>EBW &amp; OBW Test Result (Channel Bandwidth: 15 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.445	14.26	PASS
	MCH	13.435	14.24	PASS
	HCH	13.414	14.26	PASS
16QAM	LCH	13.427	14.23	PASS
	MCH	13.436	14.24	PASS
	HCH	13.427	14.23	PASS

<b>EBW &amp; OBW Test Result (Channel Bandwidth: 20 MHz)</b>				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.892	18.93	PASS
	MCH	17.900	18.95	PASS
	HCH	17.874	18.94	PASS
16QAM	LCH	17.884	18.92	PASS
	MCH	17.887	18.93	PASS
	HCH	17.857	18.91	PASS

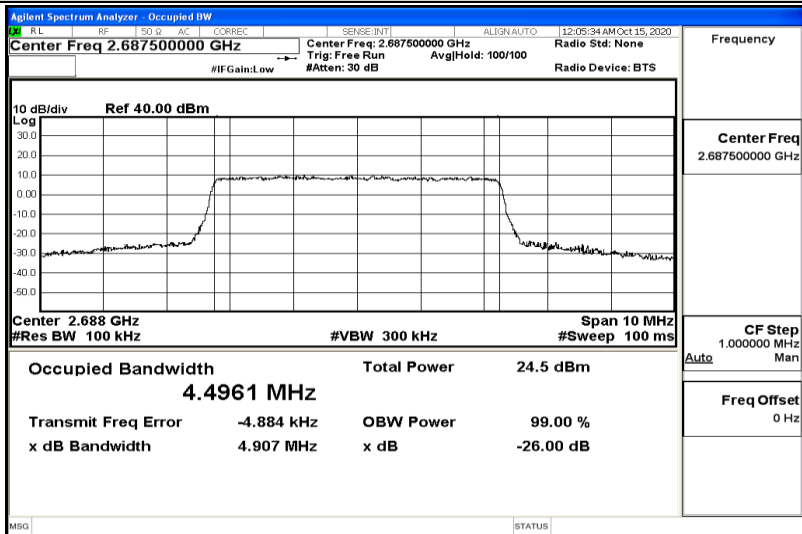
Band41-5MHz-QPSK-39675-25RB#0-4.5002



Band41-5MHz-QPSK-40620-25RB#0-4.5056

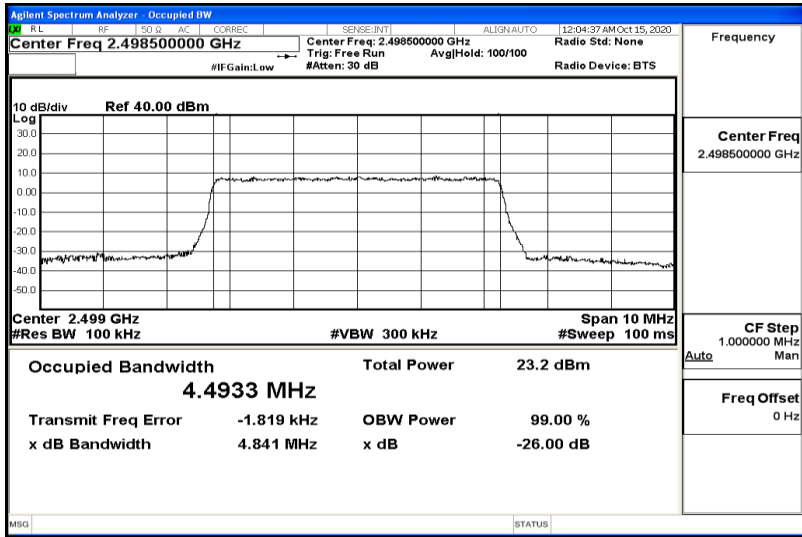


Band41-5MHz-QPSK-41565-25RB#0-4.4961

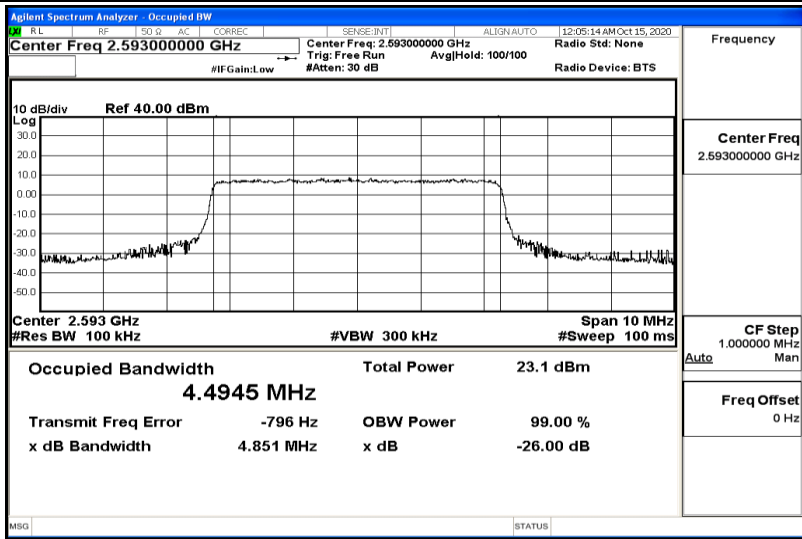


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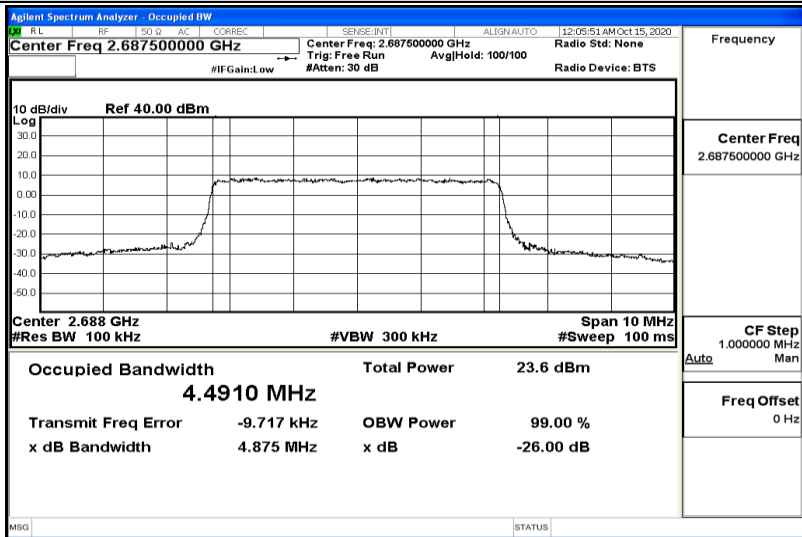




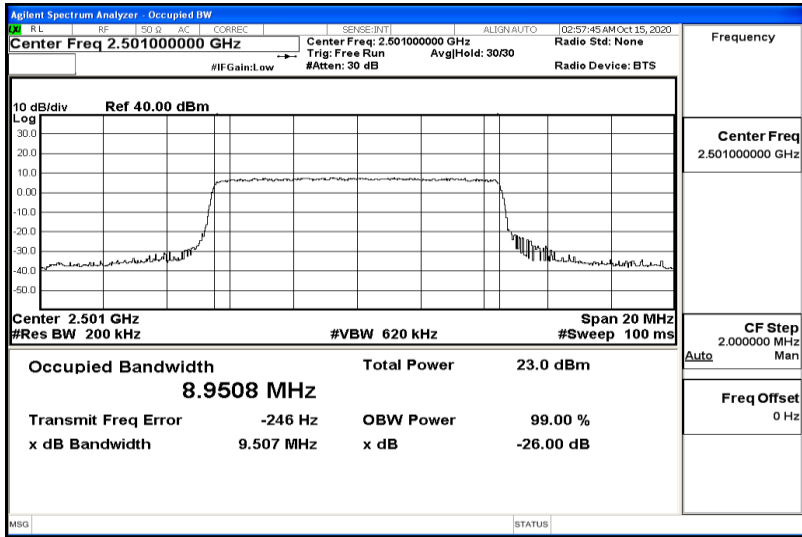
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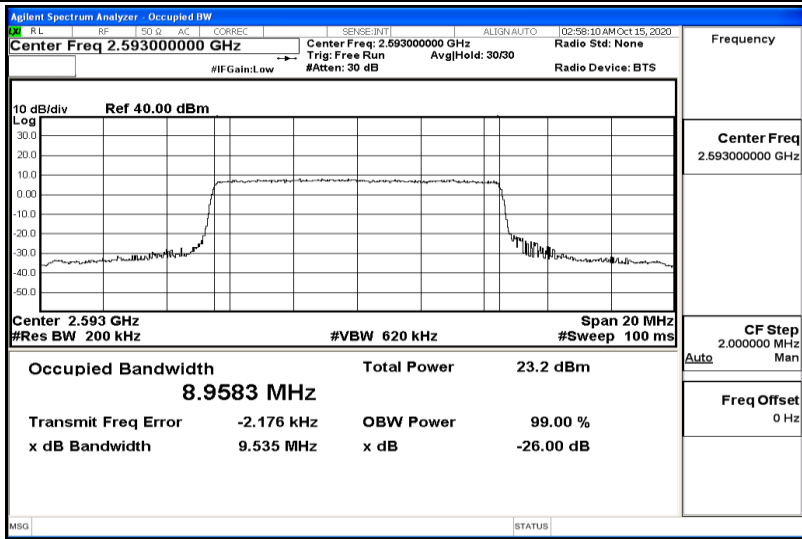
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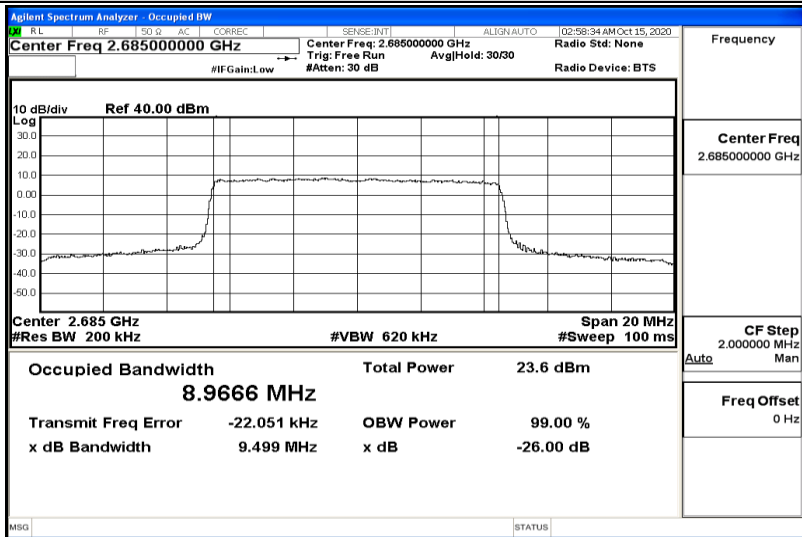
Band41-10MHz-QPSK-39700-50RB#0-8.9508



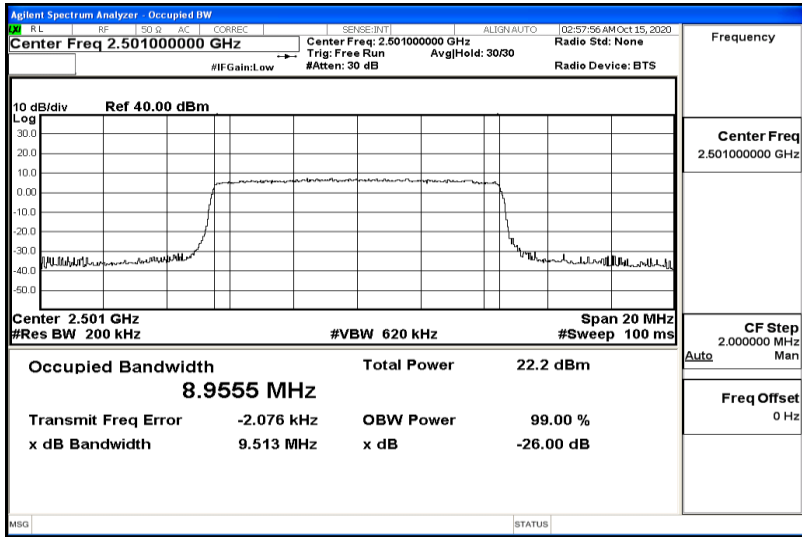
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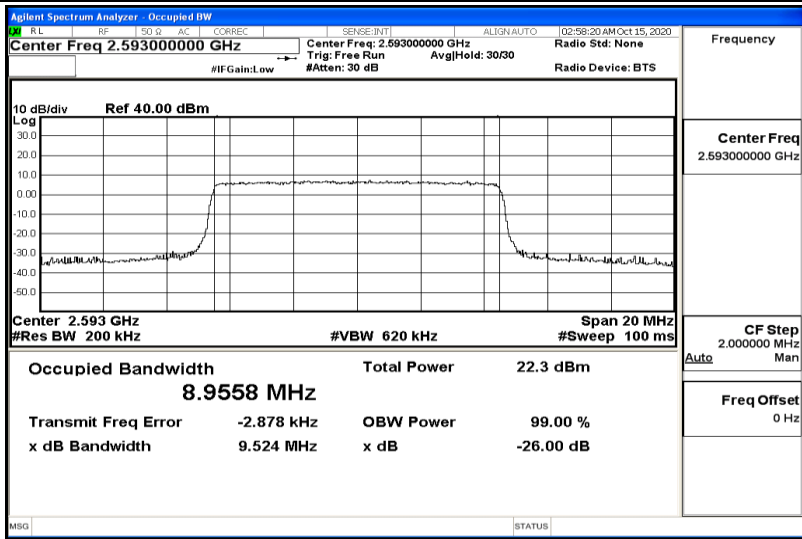
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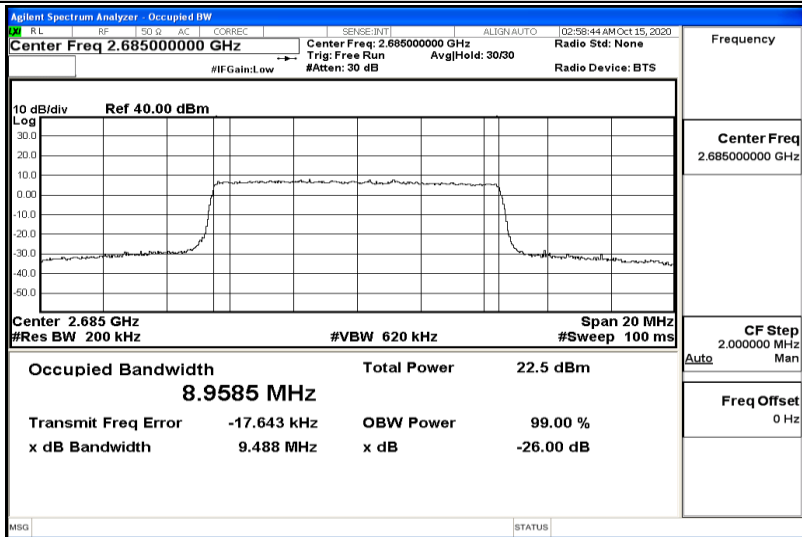
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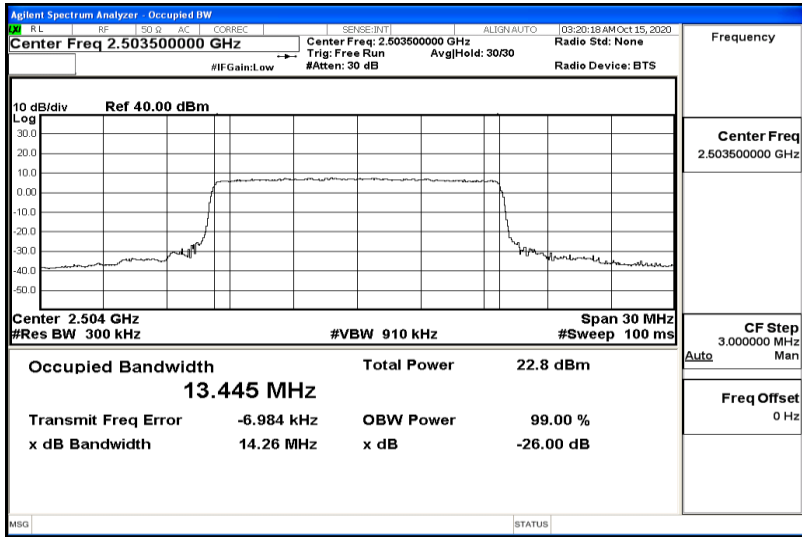
Band41-10MHz-16QAM-40620-50RB#0-8.9558



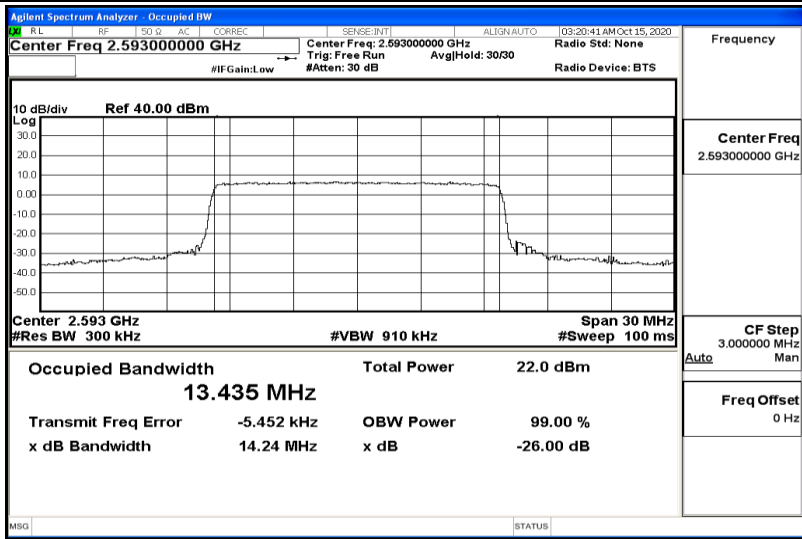
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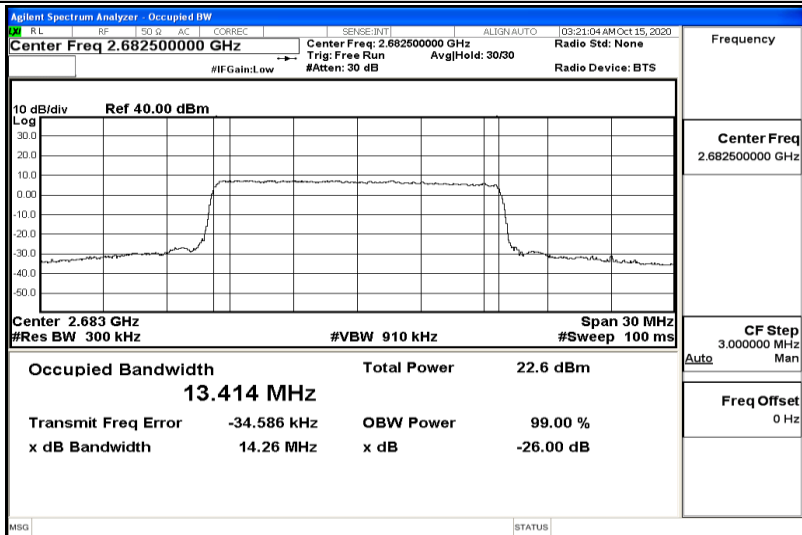
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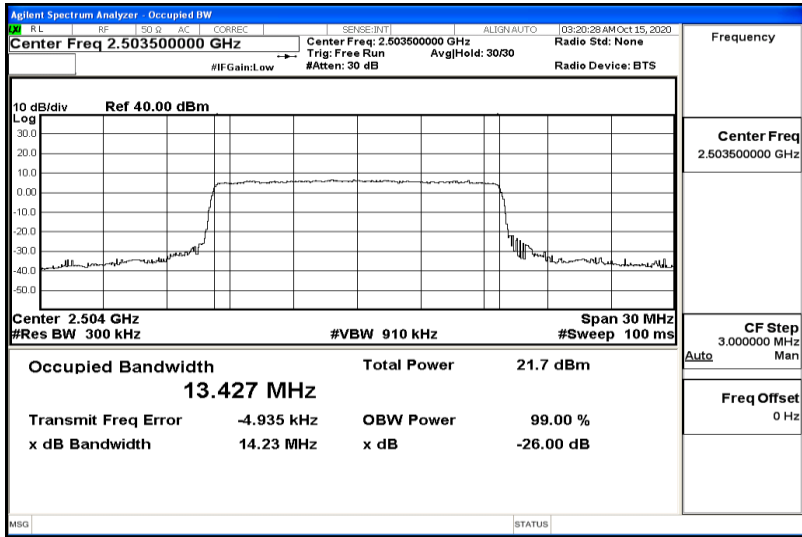
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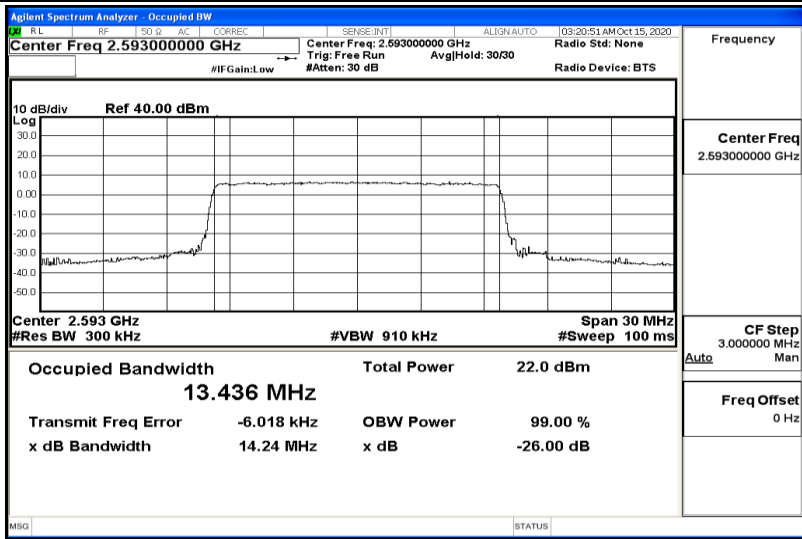
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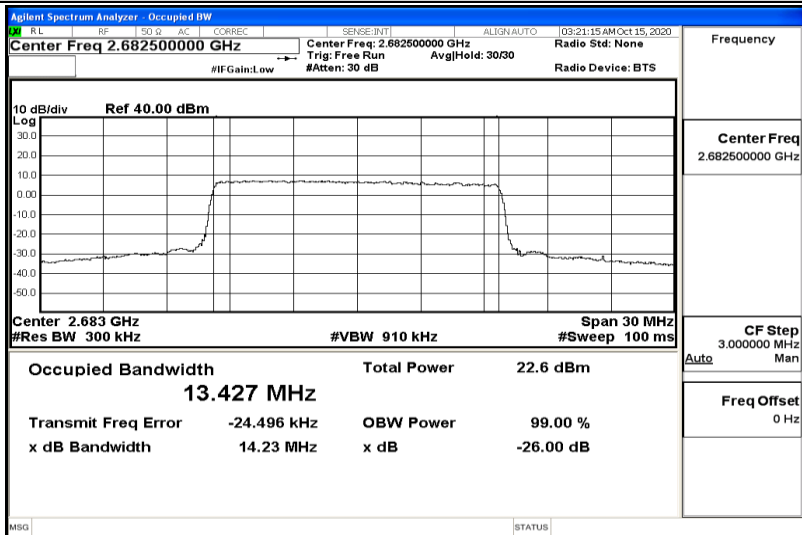
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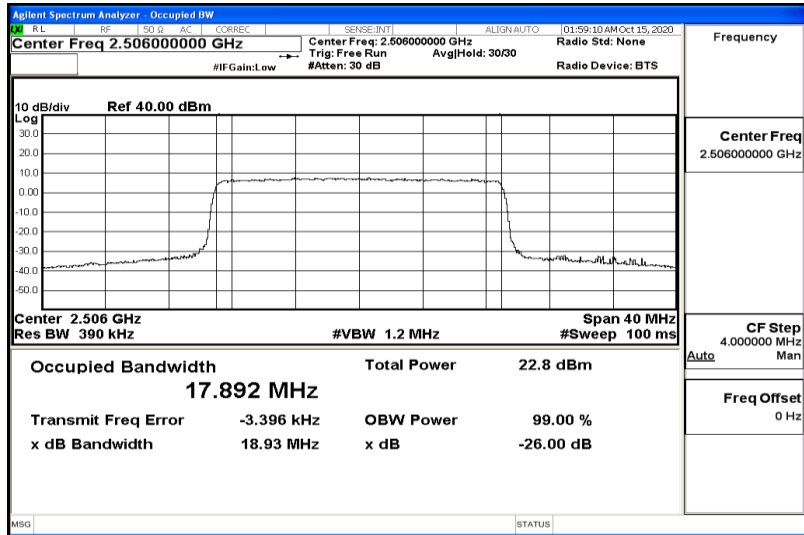
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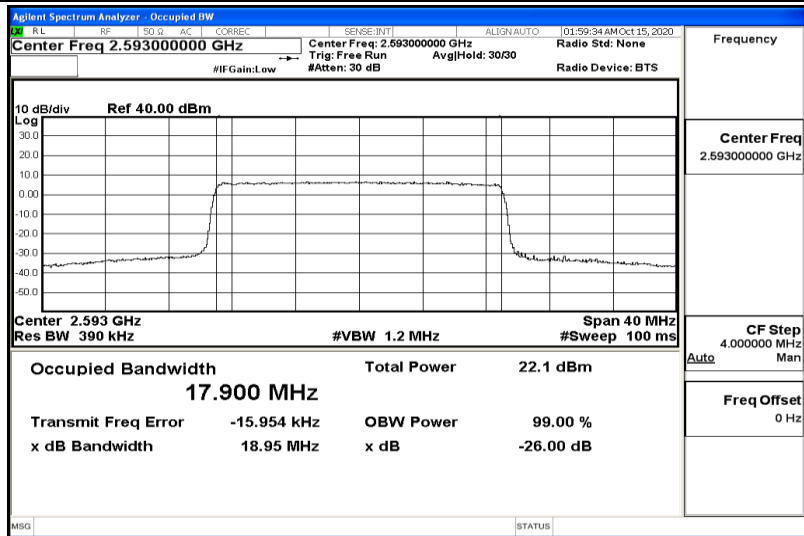
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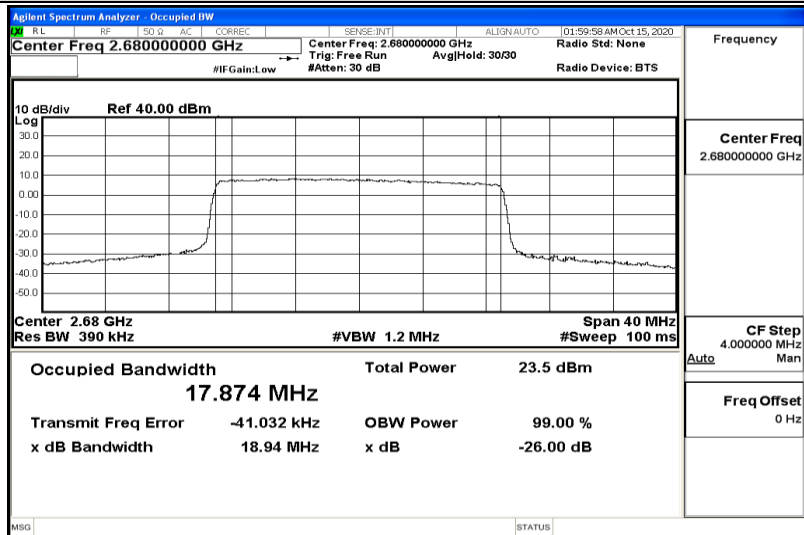
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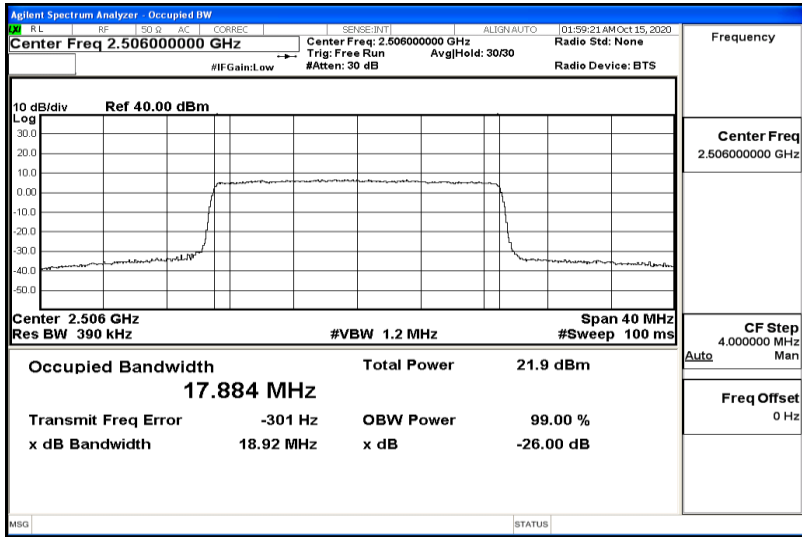
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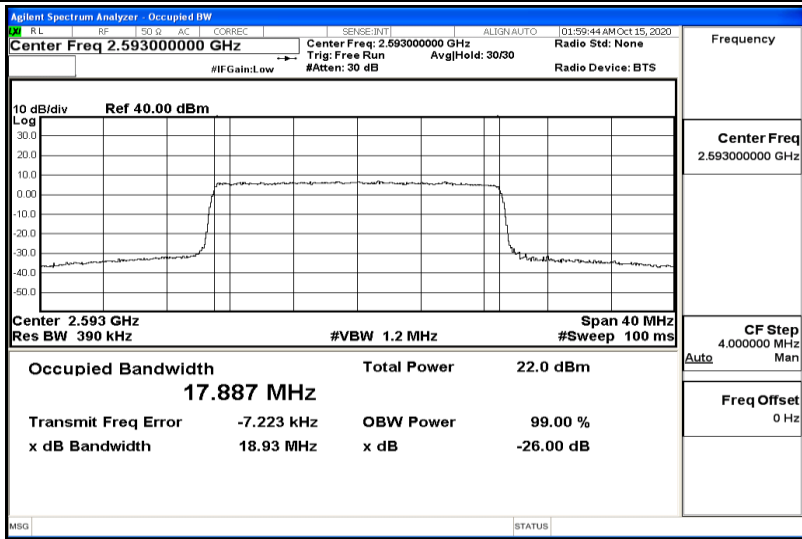
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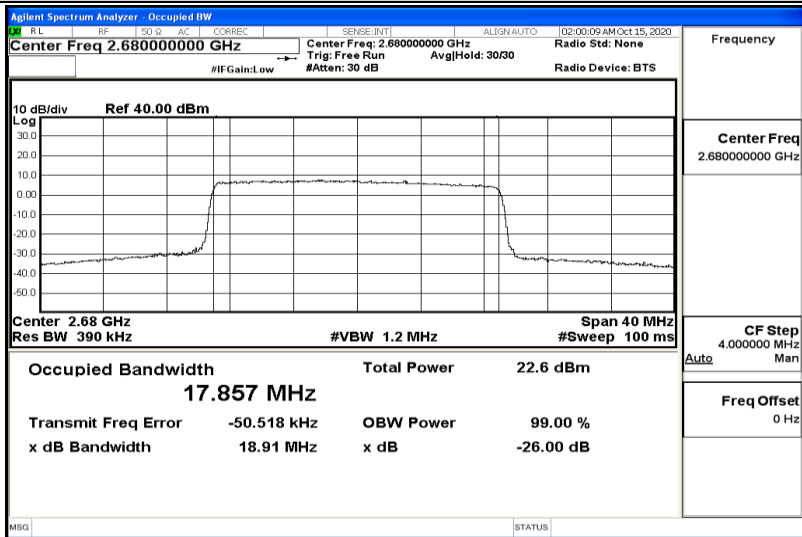
Band41-20MHz-16QAM-39750-100RB#0-17.884



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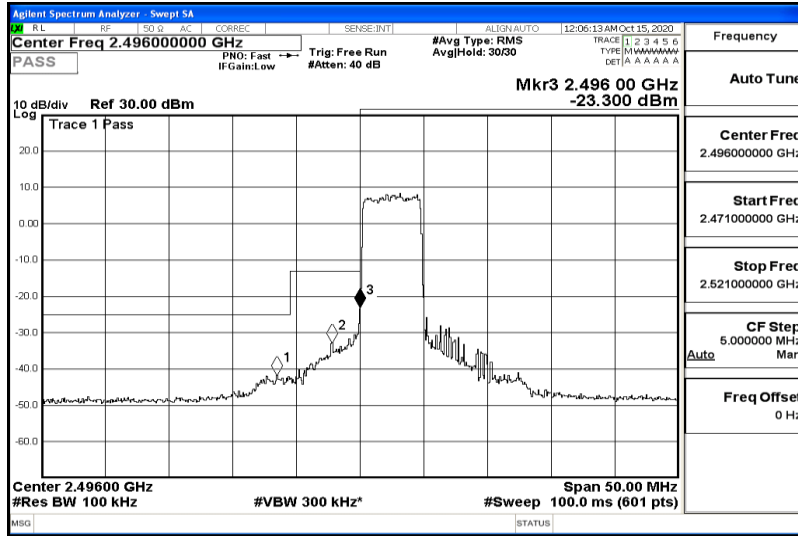


Band41-20MHz-16QAM-41490-100RB#0-17.857

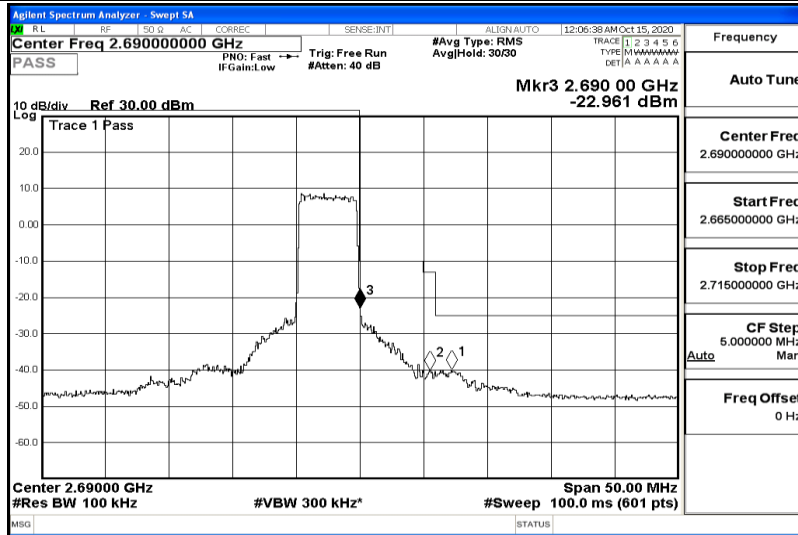


E.4 Band Edge

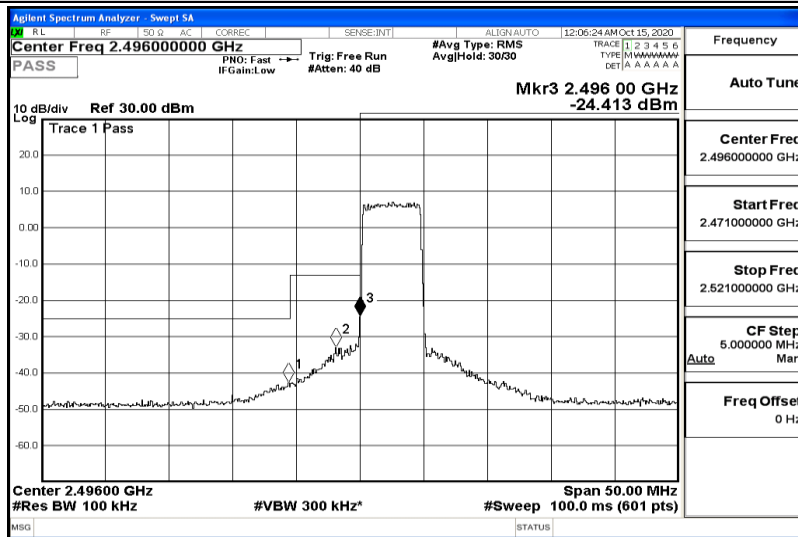
Band41-5MHz-QPSK-39675-25RB#0



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

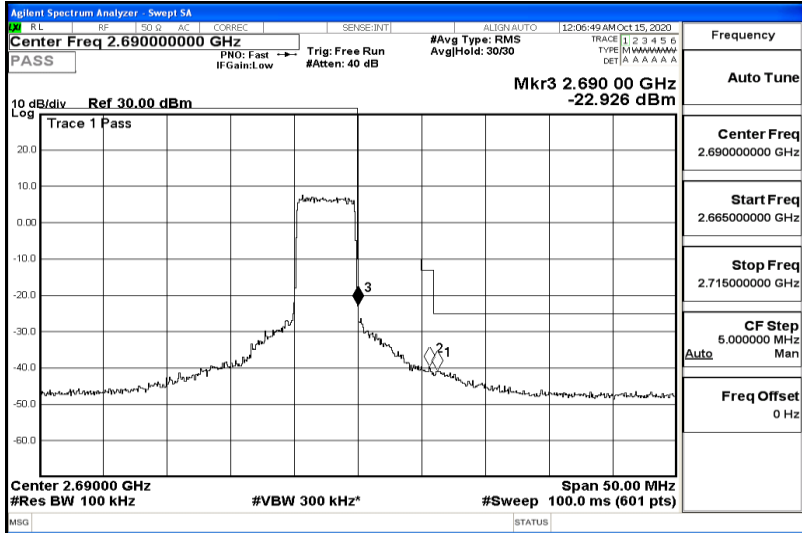


Band41-5MHz-16QAM-39675-25RB#0

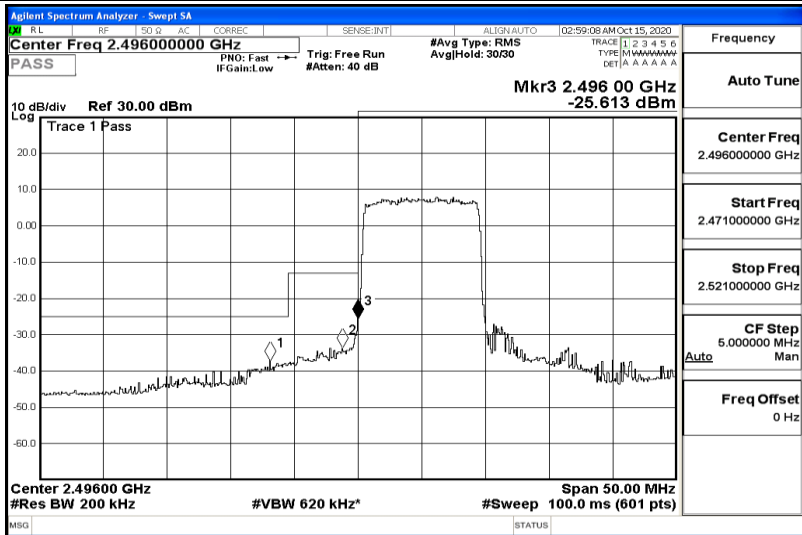




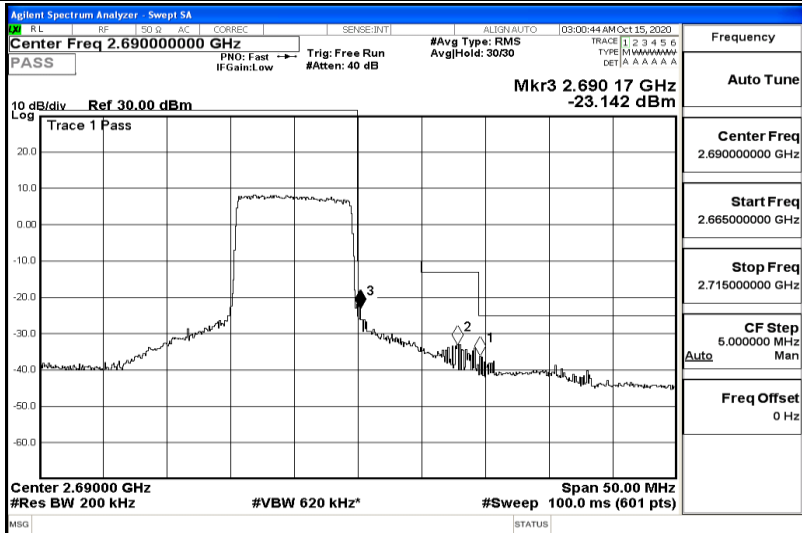
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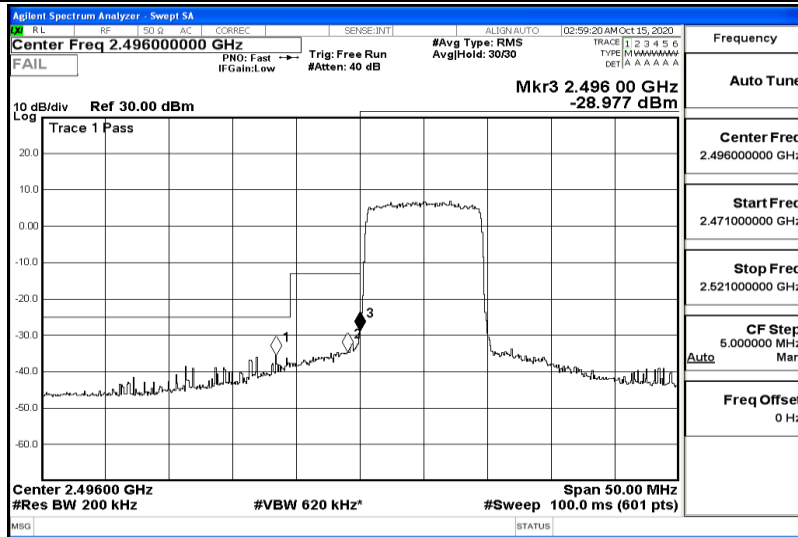
Band41-10MHz-QPSK-39700-50RB#0



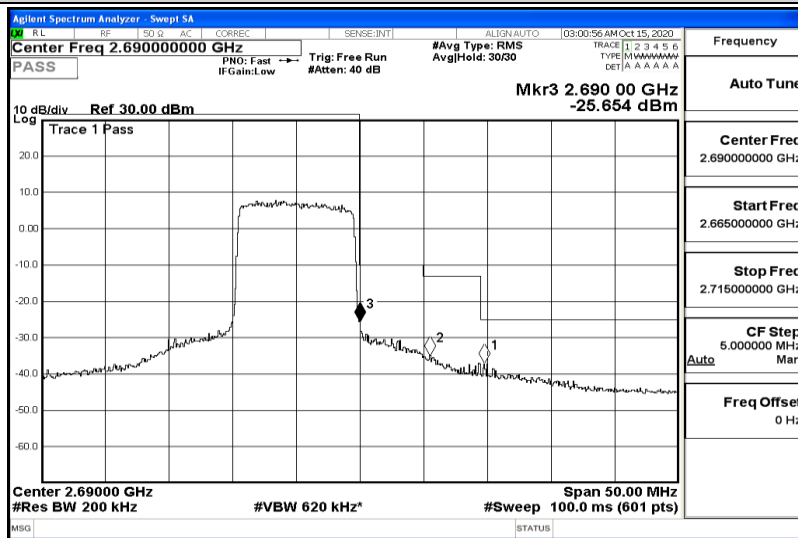
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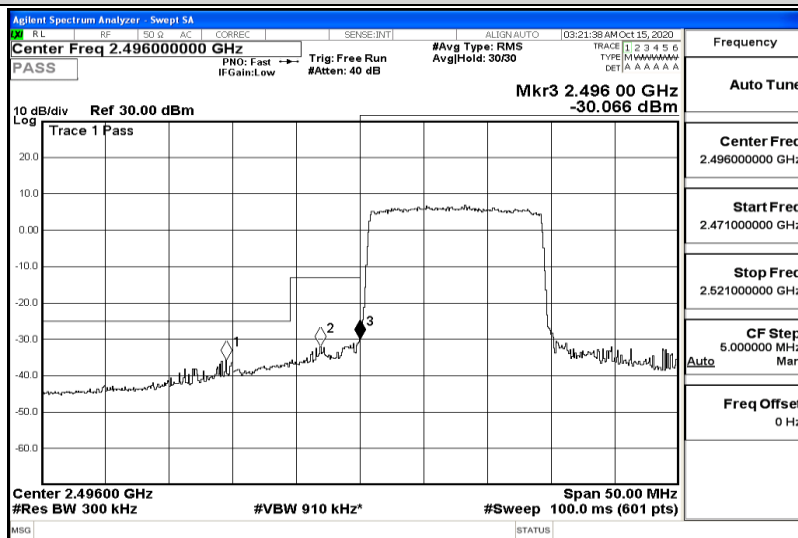
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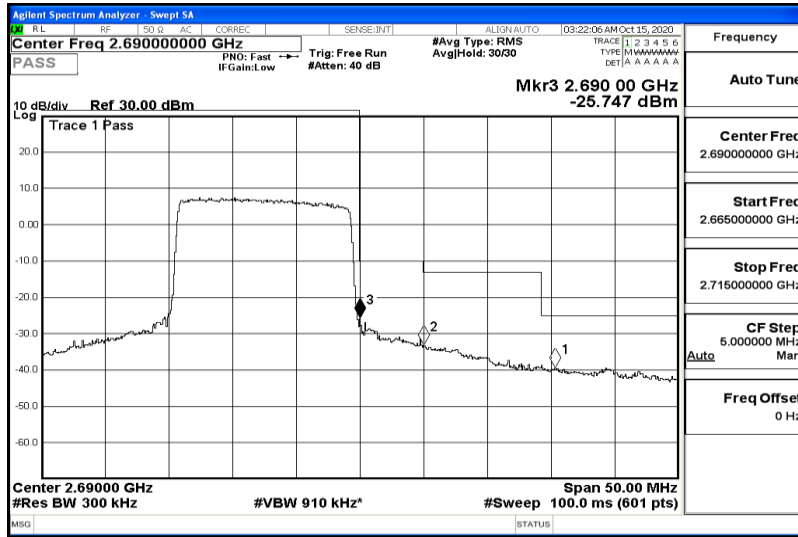
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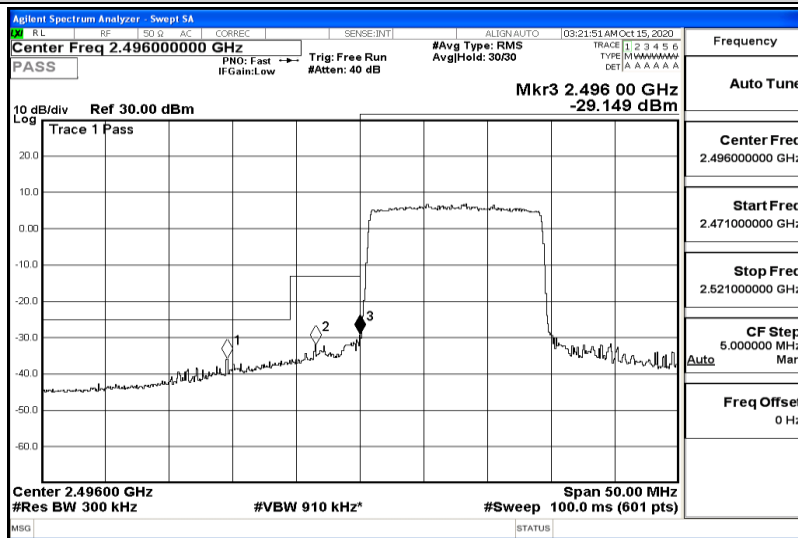
Band41-15MHz-QPSK-39725-75RB#0



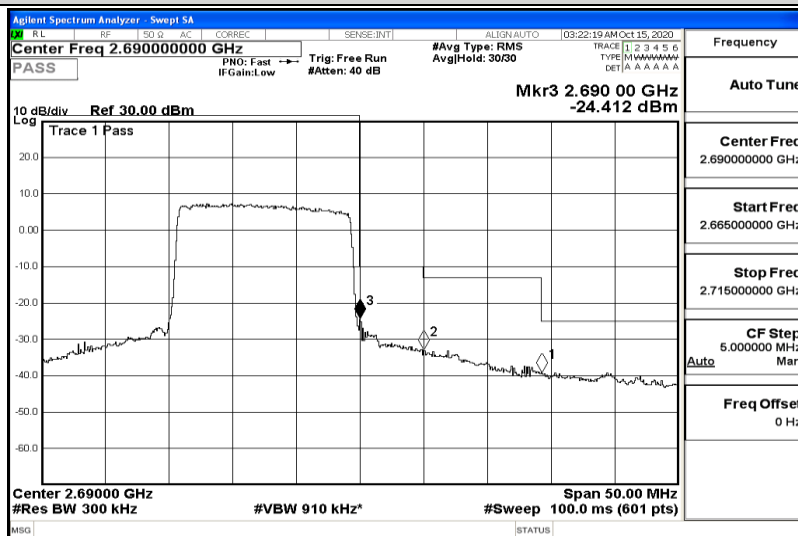
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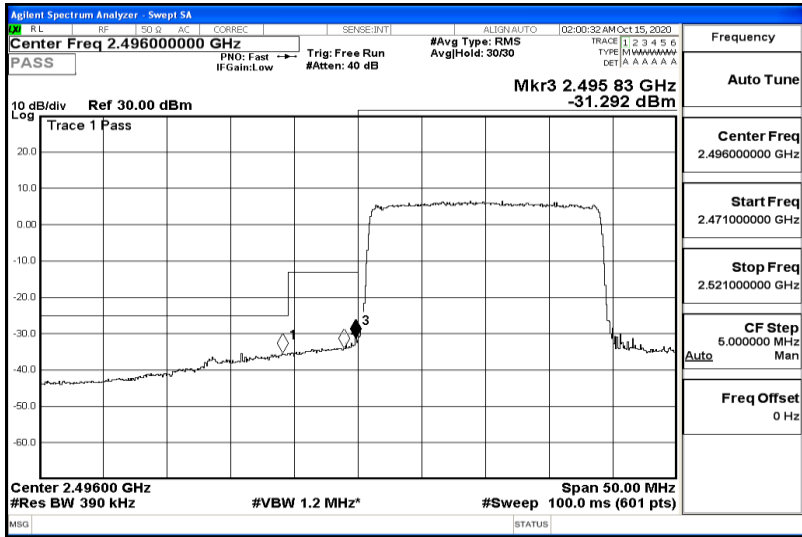
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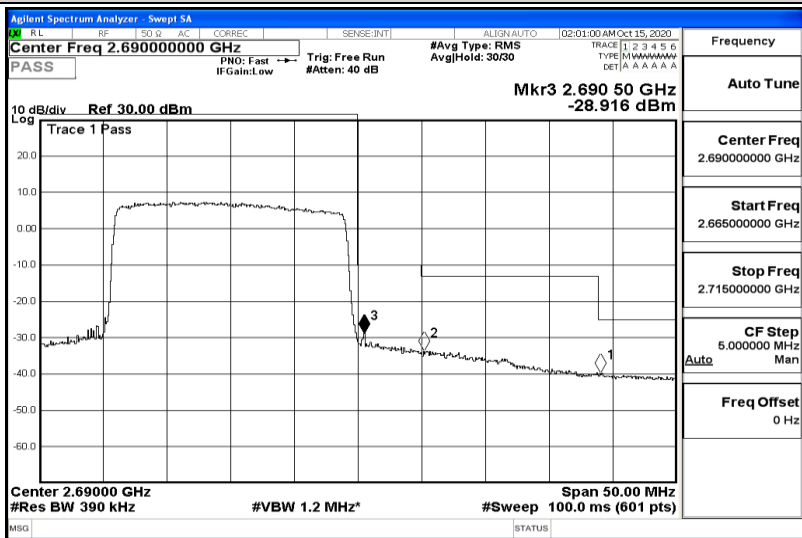
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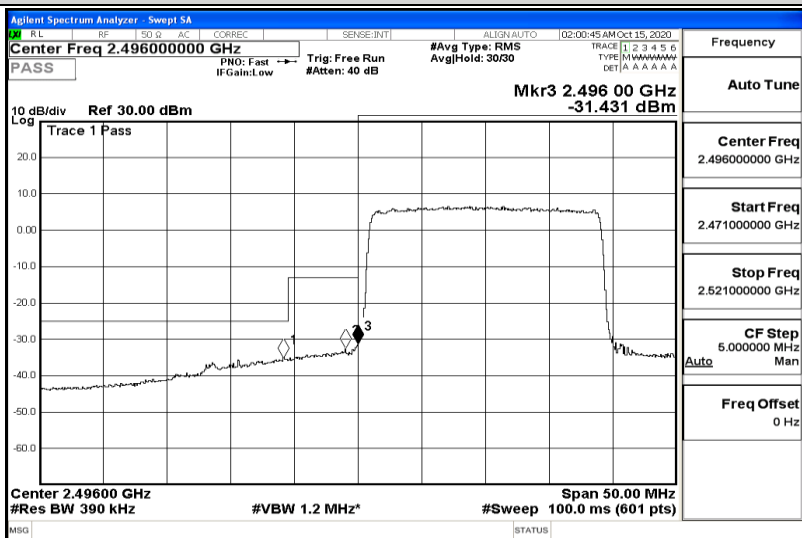
Band41-20MHz-QPSK-39750-100RB#0



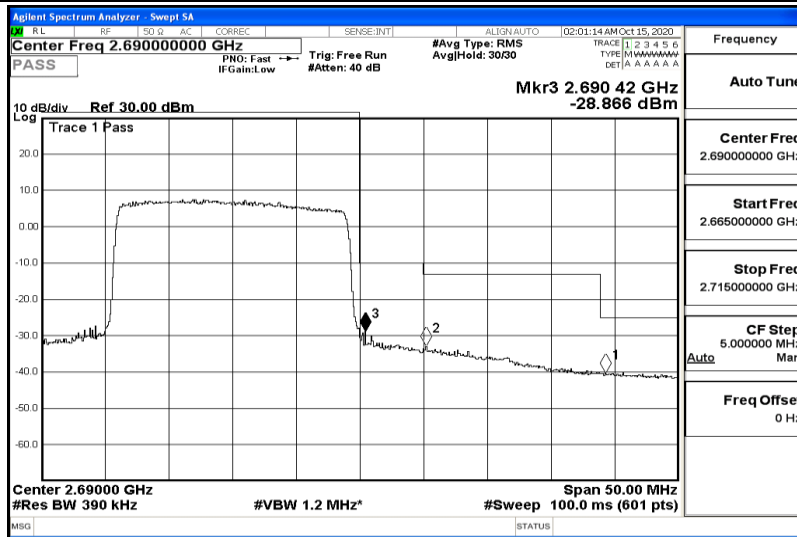
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Band41-20MHz-16QAM-39750-100RB#0

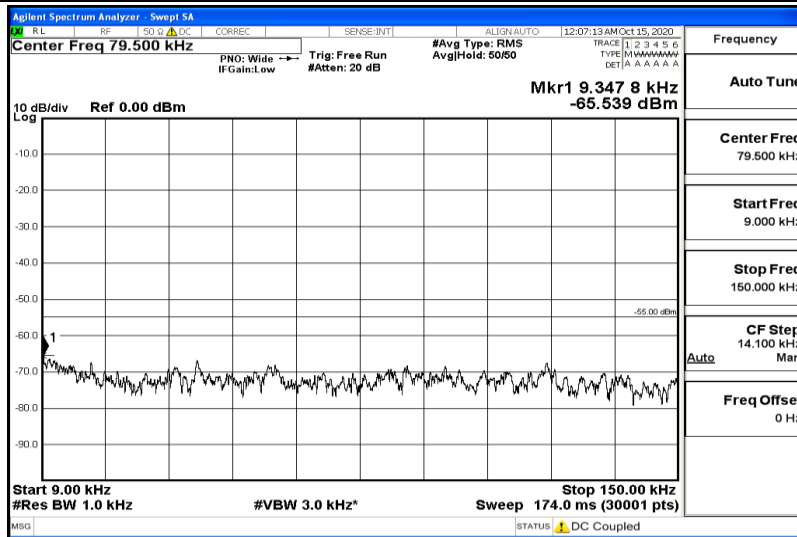


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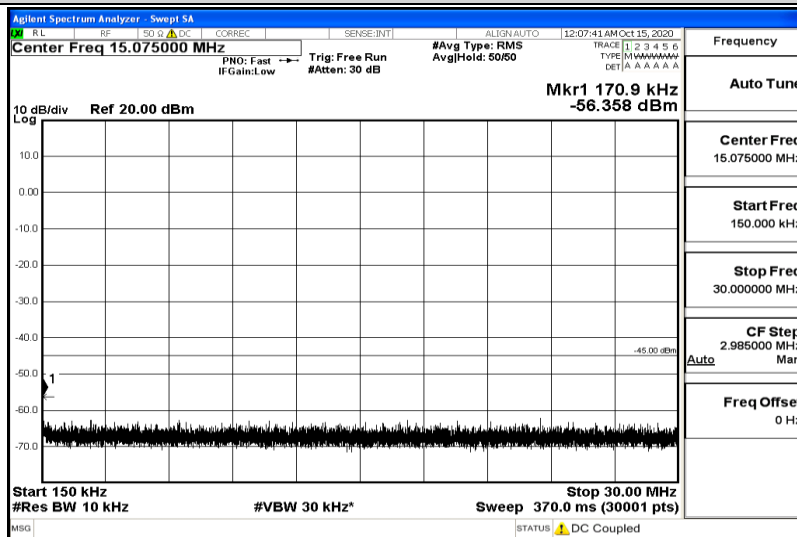


### E.5 Conducted Spurious Emission

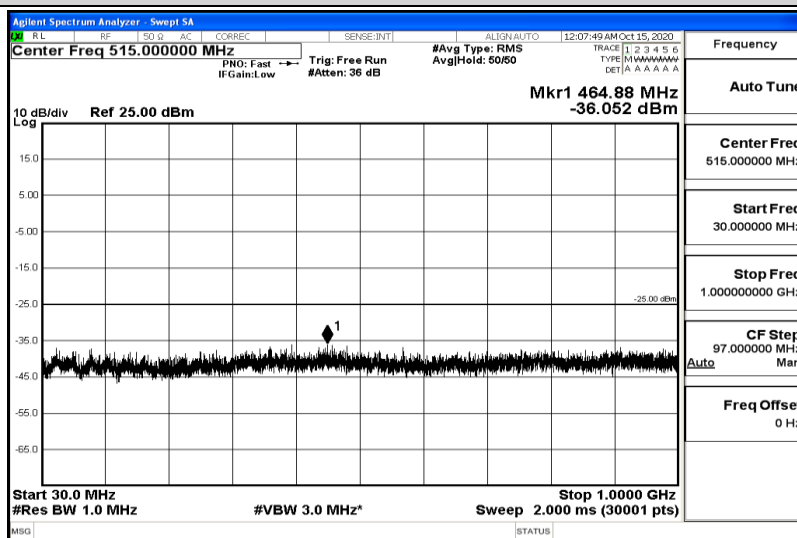
Band41-5MHz-QPSK-39675-1RB#0-Range1:0.009~0.15MHz



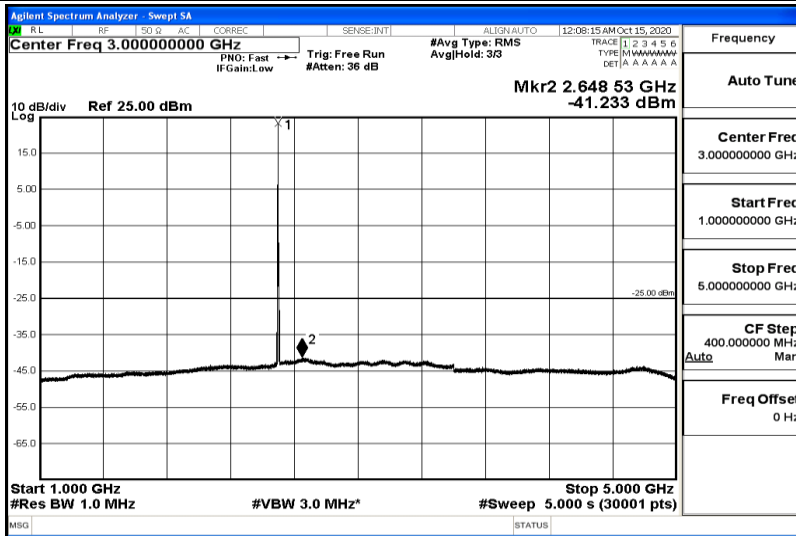
Band41-5MHz-QPSK-39675-1RB#0-Range2:0.15~30MHz



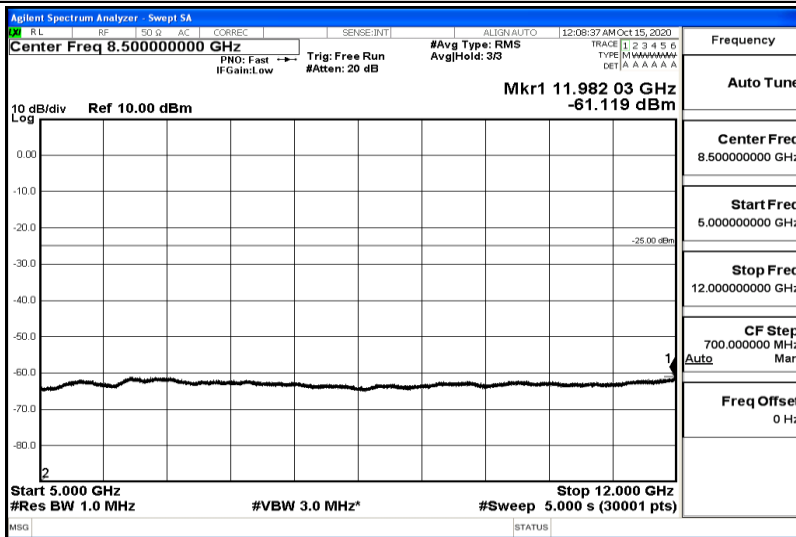
Band41-5MHz-QPSK-39675-1RB#0-Range3:30~1000MHz



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



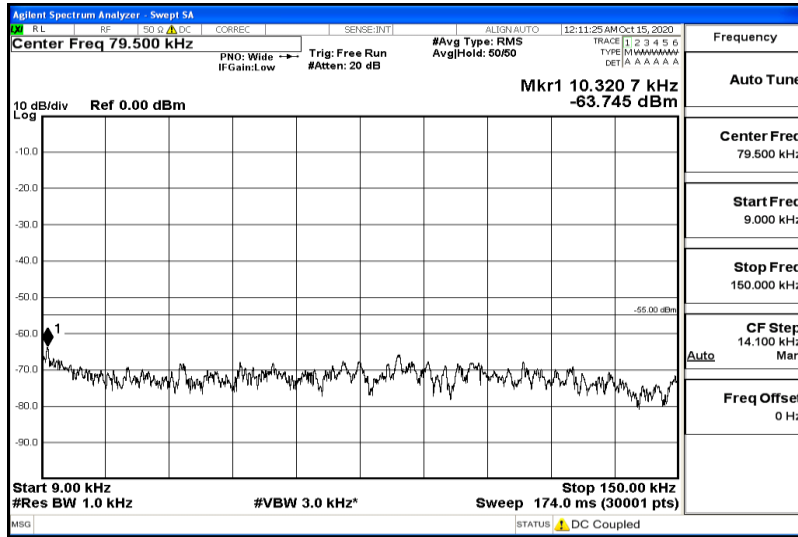
Band41-5MHz-QPSK-39675-1RB#0-Range5:5000~12000MHz



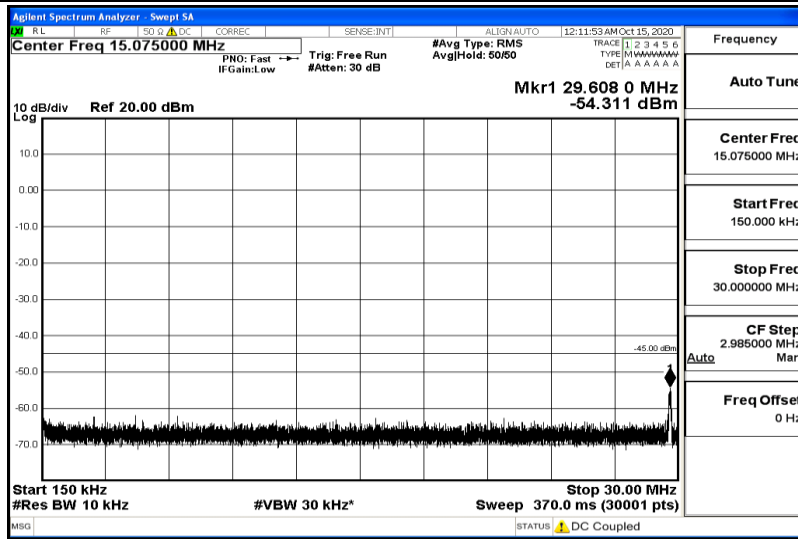
Band41-5MHz-QPSK-39675-1RB#0-Range6:12000~26500MHz



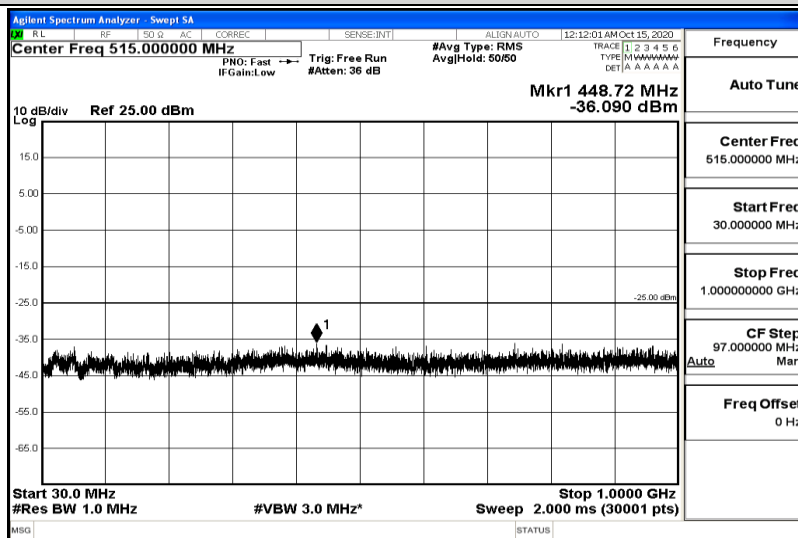
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Band41-5MHz-QPSK-40620-1RB#0-Range2:0.15~30MHz

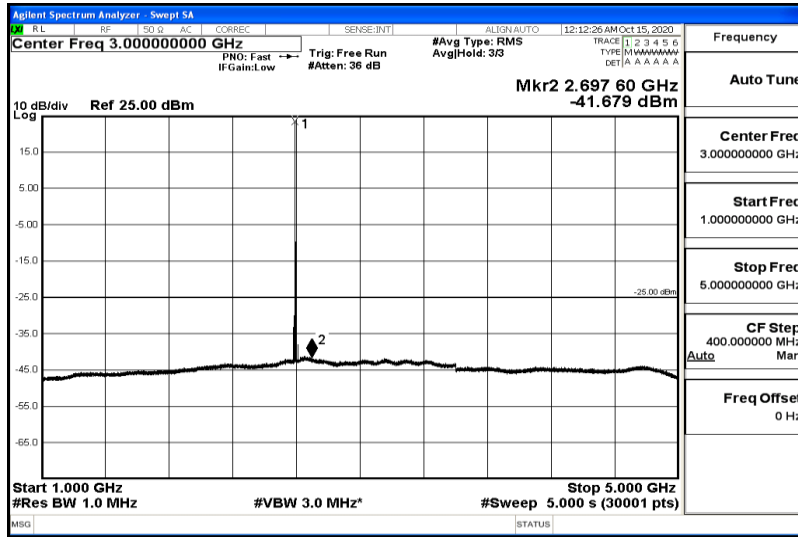


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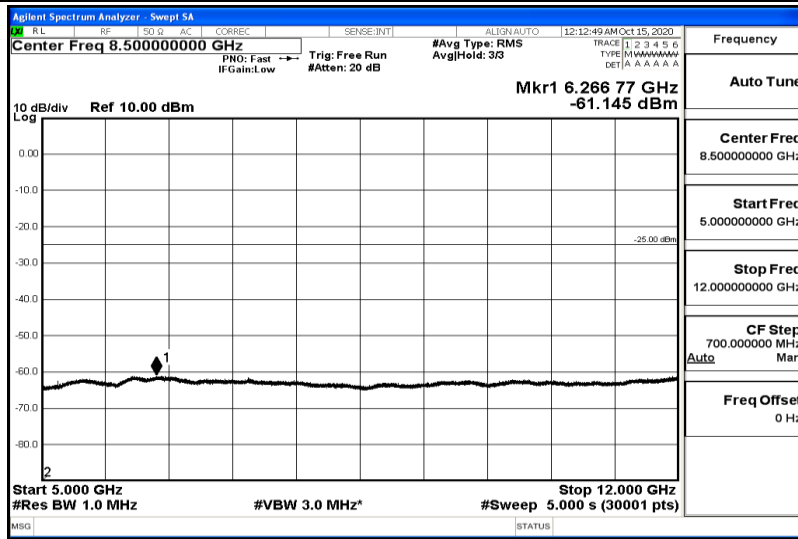


Band41-5MHz-QPSK-40620-1RB#0-Range4:1000~5000MHz





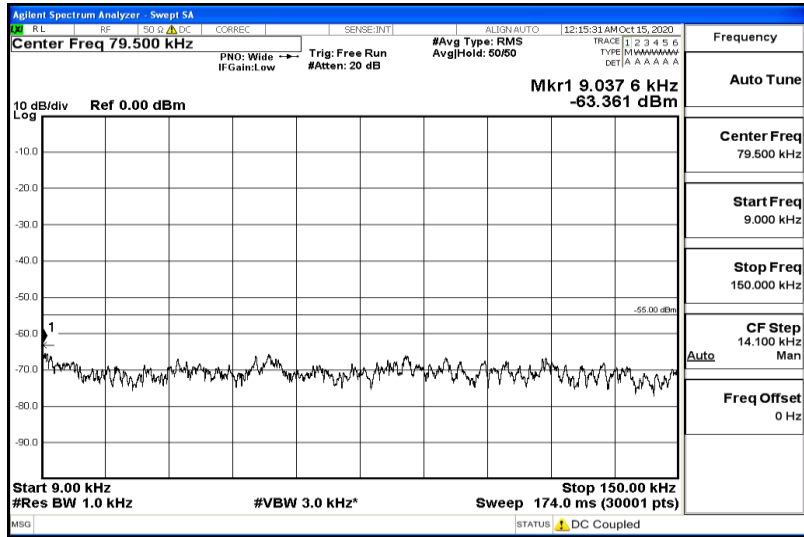
Band41-5MHz-QPSK-40620-1RB#0-Range5:5000~12000MHz



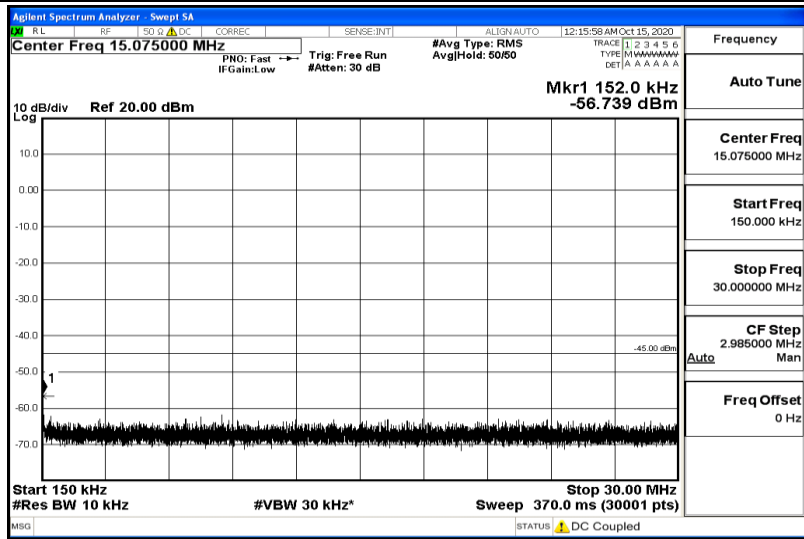
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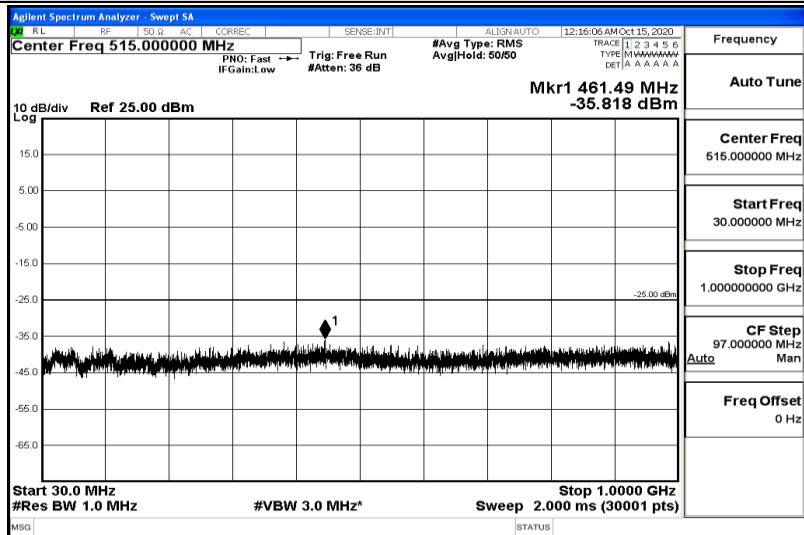
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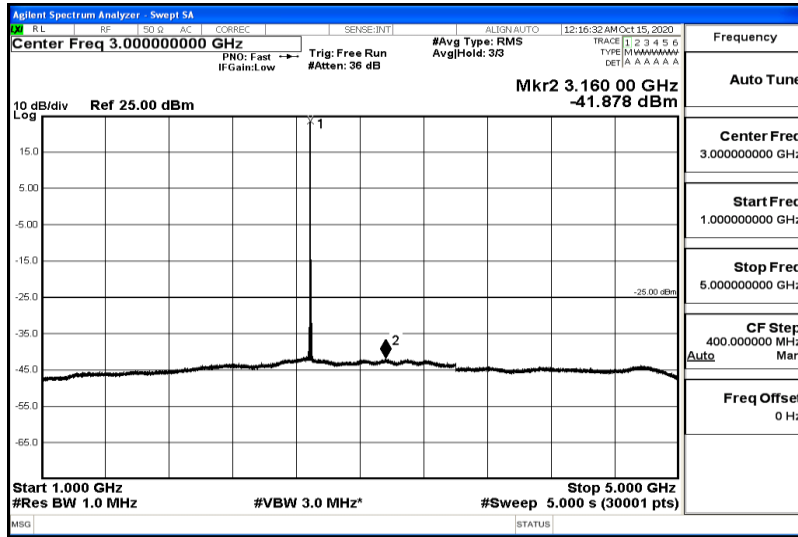
Band41-5MHz-QPSK-41565-1RB#0-Range2:0.15~30MHz



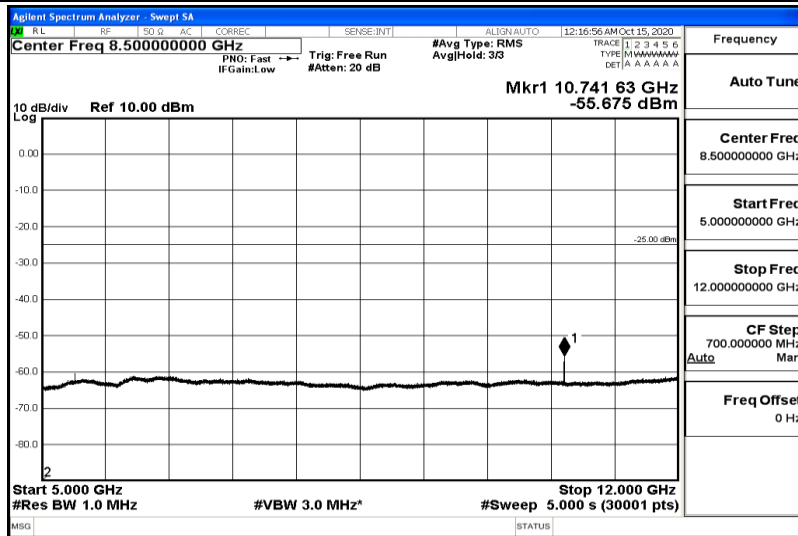
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Band41-5MHz-QPSK-41565-1RB#0-Range4:1000~5000MHz



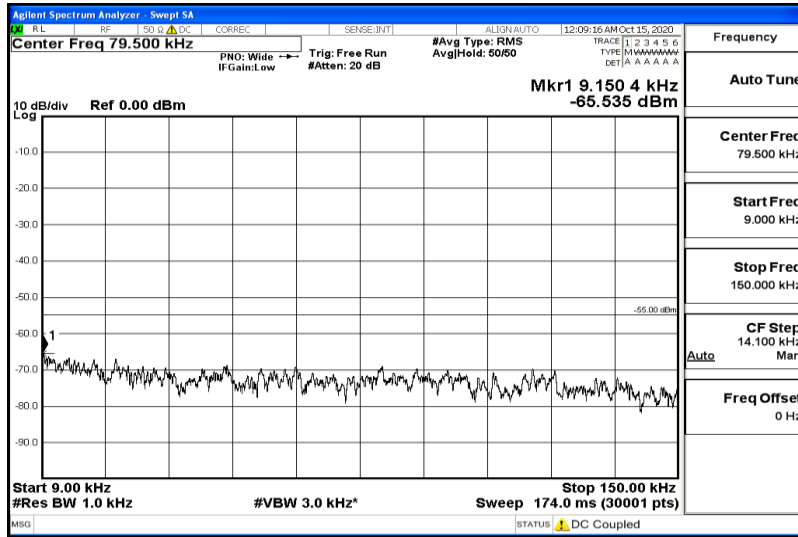
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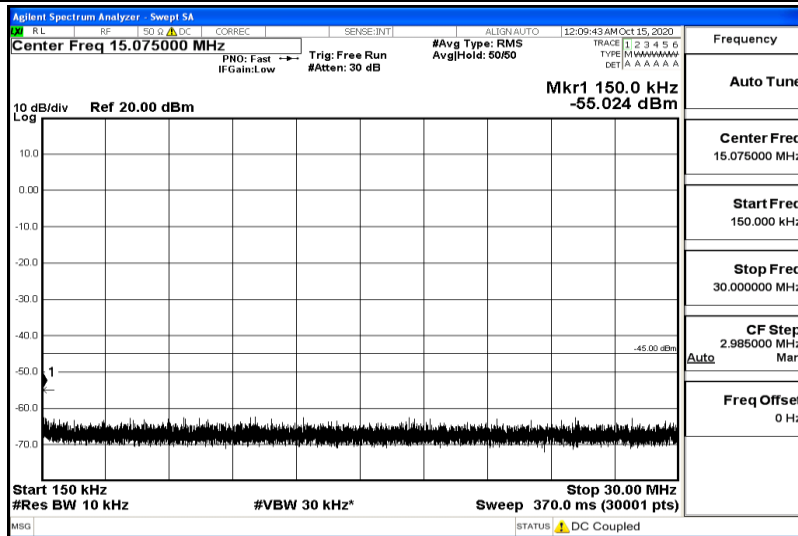
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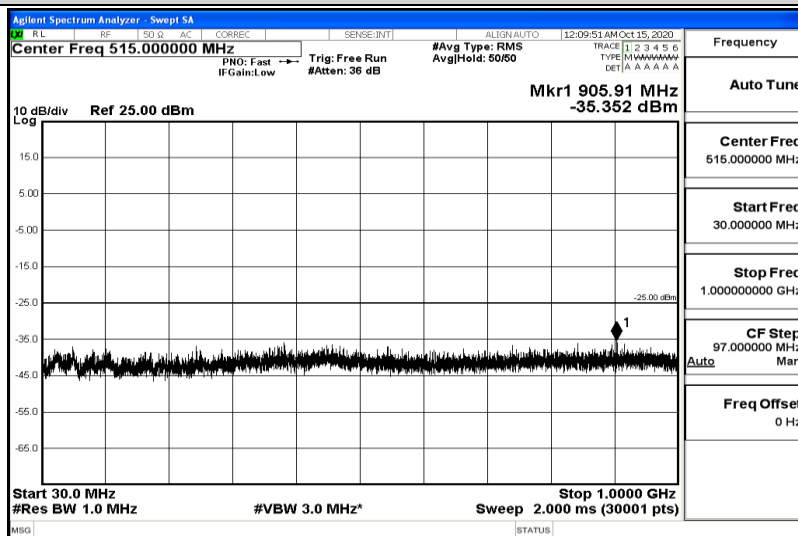
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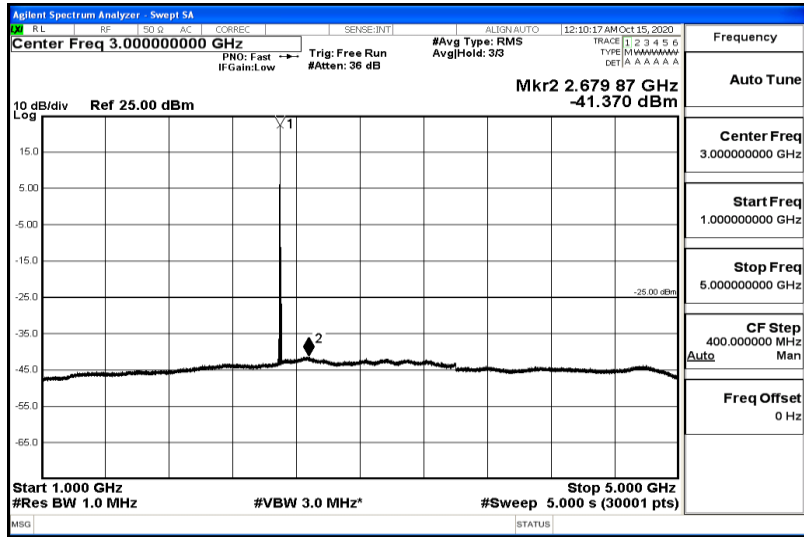
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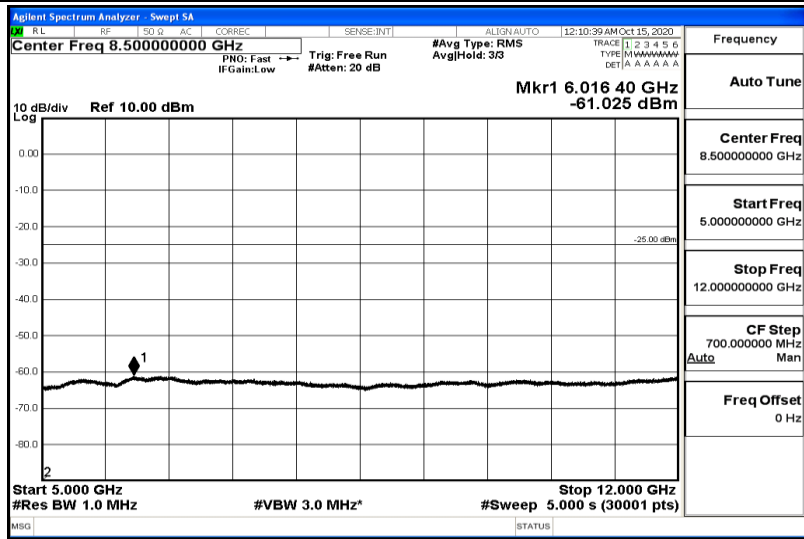
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Band41-5MHz-16QAM-39675-1RB#0-Range4:1000~5000MHz



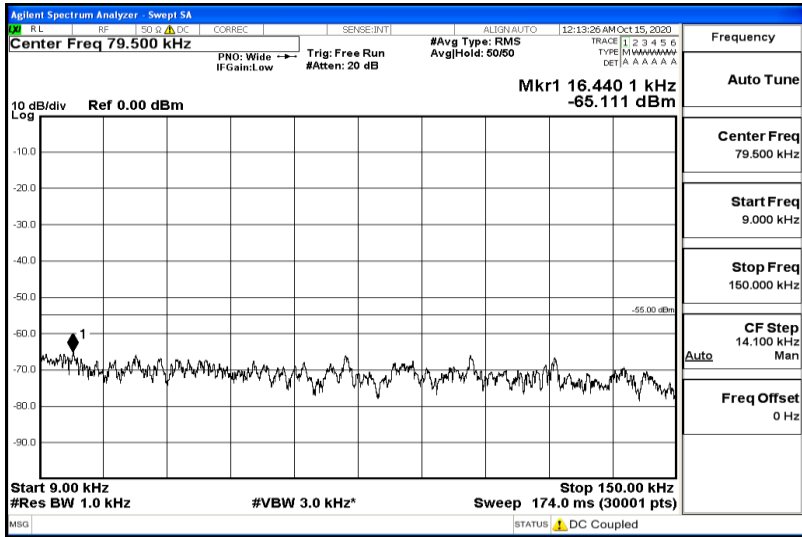
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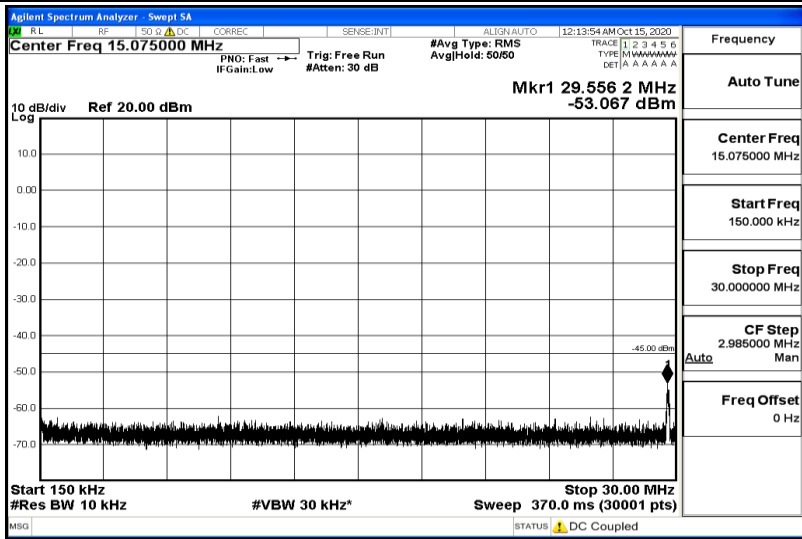
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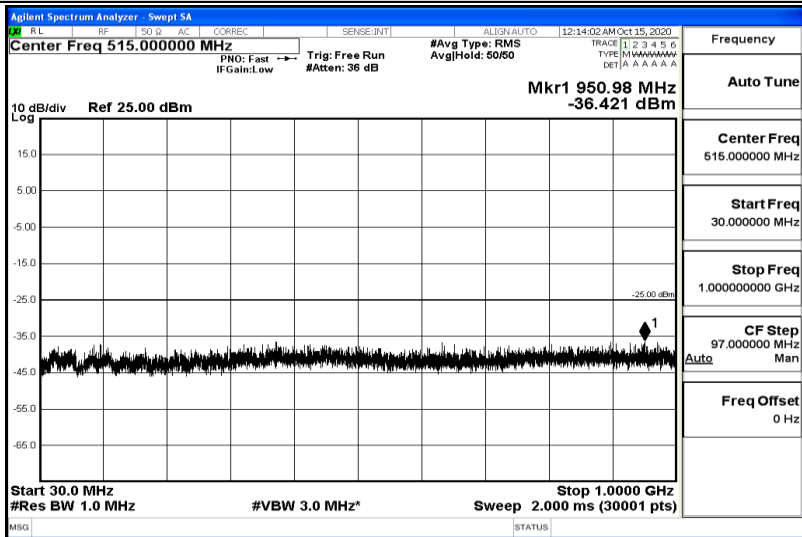
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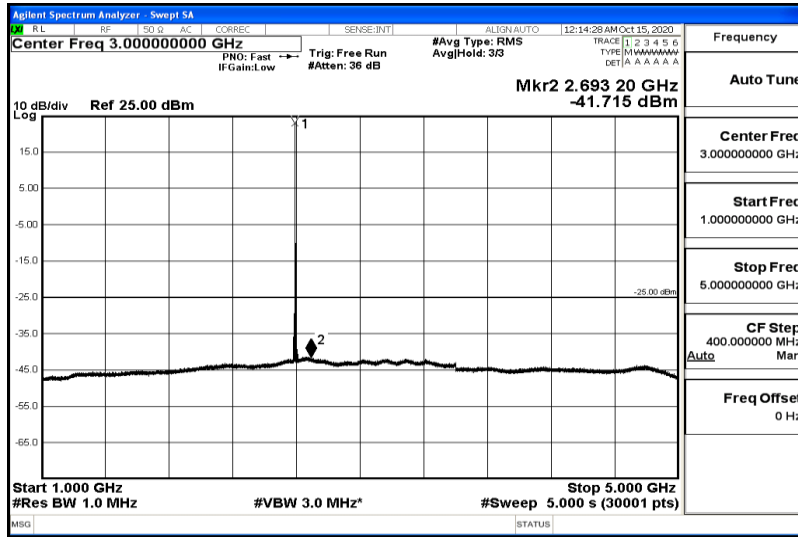
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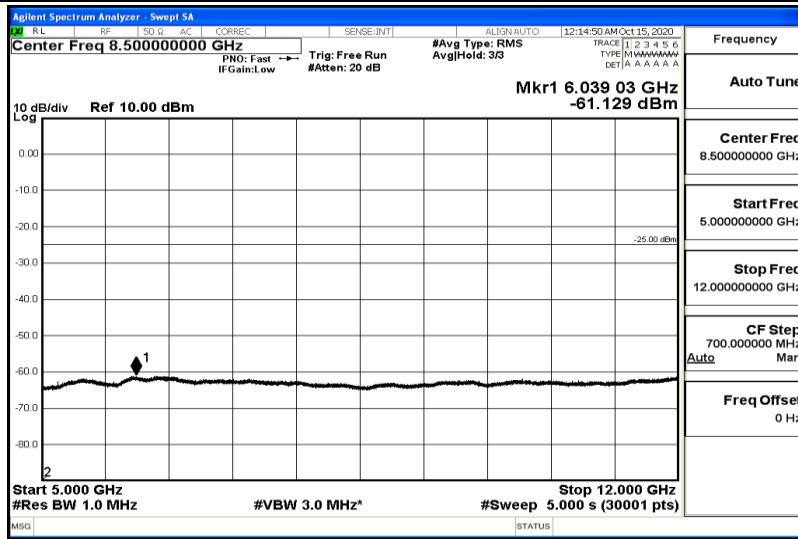
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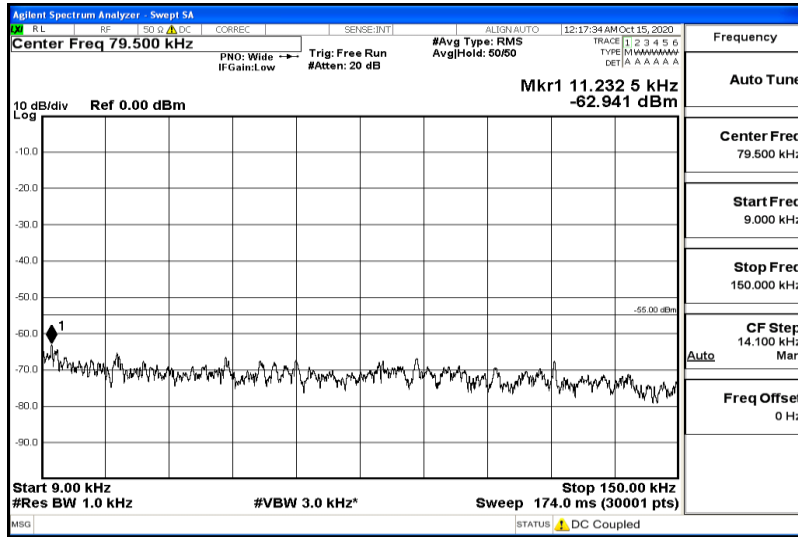
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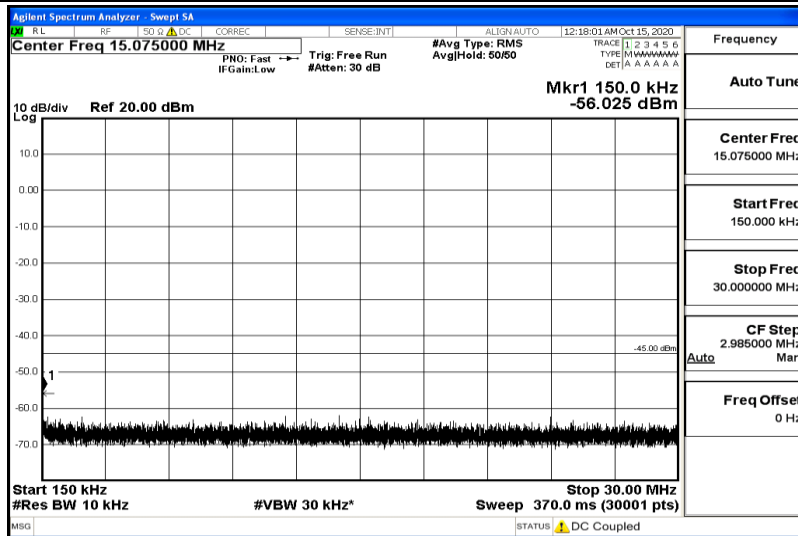
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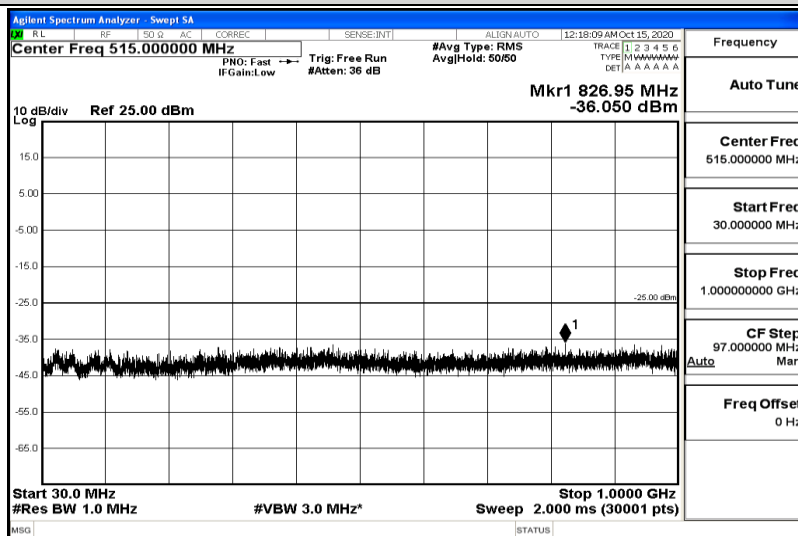
Band41-5MHz-16QAM-41565-1RB#0-Range1:0.009~0.15MHz



Band41-5MHz-16QAM-41565-1RB#0-Range2:0.15~30MHz



Band41-5MHz-16QAM-41565-1RB#0-Range3:30~1000MHz



Band41-5MHz-16QAM-41565-1RB#0-Range4:1000~5000MHz