

Appendix E: Test Data for E-UTRA Band 41

Product Name: Tablet

Trade Mark: LAVA & XOLO

Test Model: T81

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	22.63	22.13	PASS
		1	12	22.73	22.22	PASS
		1	24	22.83	22.31	PASS
		12	0	22.79	21.96	PASS
		12	6	22.88	21.98	PASS
		12	13	22.83	21.96	PASS
		25	0	21.91	21.02	PASS
	MCH	1	0	22.66	22.15	PASS
		1	12	22.78	22.19	PASS
		1	24	22.81	22.28	PASS
		12	0	22.86	21.92	PASS
		12	6	22.86	21.99	PASS
		12	13	22.80	21.98	PASS
		25	0	21.92	21.03	PASS
	HCH	1	0	22.67	22.15	PASS
		1	12	22.75	22.19	PASS
		1	24	22.81	22.31	PASS
		12	0	22.83	21.92	PASS
		12	6	22.87	21.99	PASS
		12	13	22.80	21.95	PASS
		25	0	21.89	21.04	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	22.64	22.10	PASS
		1	24	22.83	22.30	PASS
		1	49	22.29	21.81	PASS
		25	0	21.91	21.02	PASS
		25	12	21.74	20.84	PASS
		25	25	21.51	20.66	PASS
		50	0	21.70	20.79	PASS
	MCH	1	0	22.65	22.11	PASS
		1	24	22.82	22.27	PASS
		1	49	22.31	21.81	PASS
		25	0	21.91	21.05	PASS
		25	12	21.74	20.82	PASS
		25	25	21.54	20.66	PASS
		50	0	21.63	20.80	PASS
	HCH	1	0	22.61	22.15	PASS
		1	24	22.76	22.29	PASS
		1	49	22.34	21.84	PASS
		25	0	21.89	21.02	PASS
		25	12	21.75	20.81	PASS
		25	25	21.53	20.66	PASS
		50	0	21.67	20.80	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	22.70	22.12	PASS
		1	37	22.48	21.94	PASS
		1	74	22.51	22.00	PASS
		37	0	21.91	20.90	PASS
		37	18	21.88	20.92	PASS
		37	38	21.90	20.88	PASS
		75	0	20.93	20.93	PASS
	MCH	1	0	22.69	22.11	PASS
		1	37	22.52	22.00	PASS
		1	74	22.51	22.00	PASS
		37	0	21.87	20.90	PASS
		37	18	21.85	20.90	PASS
		37	38	21.84	20.89	PASS
		75	0	20.87	20.91	PASS
	HCH	1	0	22.62	22.10	PASS
		1	37	22.46	22.01	PASS
		1	74	22.53	21.96	PASS
		37	0	21.88	20.91	PASS
		37	18	21.89	20.88	PASS
		37	38	21.87	20.90	PASS
		75	0	20.93	20.90	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	22.65	22.10	PASS
		1	49	22.29	21.79	PASS
		1	99	22.27	21.81	PASS
		50	0	21.73	20.76	PASS
		50	25	21.69	20.82	PASS
		50	50	21.69	20.77	PASS
		100	0	20.80	20.80	PASS
	MCH	1	0	22.66	22.13	PASS
		1	49	22.32	21.82	PASS
		1	99	22.31	21.85	PASS
		50	0	21.66	20.79	PASS
		50	25	21.67	20.79	PASS
		50	50	21.68	20.85	PASS
		100	0	20.83	20.83	PASS
	HCH	1	0	22.64	22.10	PASS
		1	49	22.34	21.82	PASS
		1	99	22.31	21.82	PASS
		50	0	21.68	20.80	PASS
		50	25	21.68	20.84	PASS
		50	50	21.69	20.82	PASS
		100	0	20.82	20.80	PASS

E2 Peak-to-Average Ratio

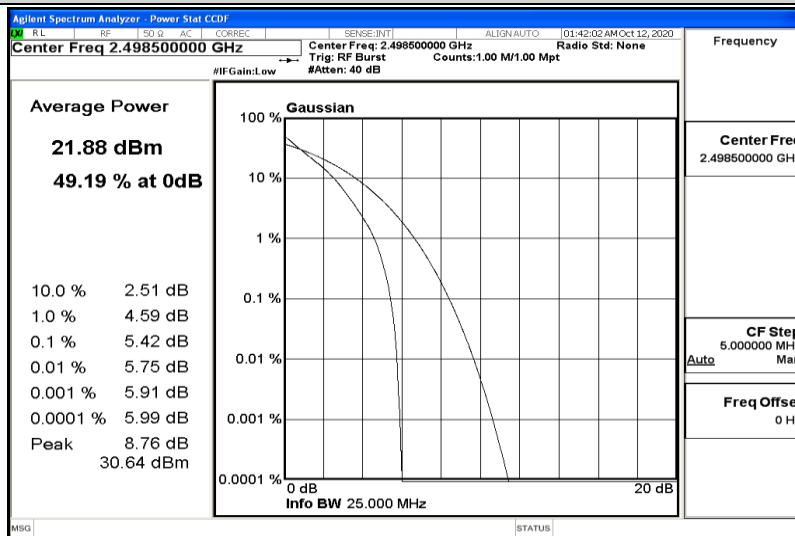
Peak-to Average Ratio Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.42	<13	PASS
	MCH	5.24	<13	PASS
	HCH	5.21	<13	PASS
16QAM	LCH	6.01	<13	PASS
	MCH	6.05	<13	PASS
	HCH	6.04	<13	PASS

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	5.19	<13	PASS
	HCH	5.12	<13	PASS
16QAM	LCH	5.95	<13	PASS
	MCH	6.10	<13	PASS
	HCH	6.01	<13	PASS

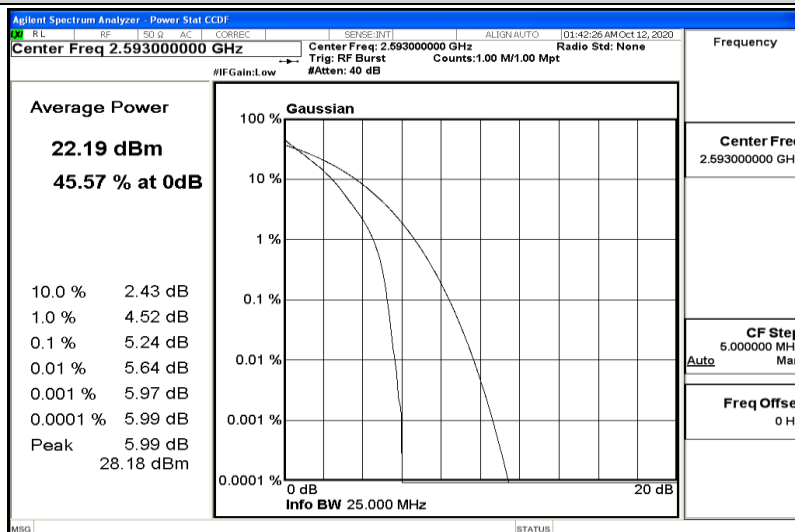
Peak-to Average Ratio Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.26	<13	PASS
	MCH	5.34	<13	PASS
	HCH	5.27	<13	PASS
16QAM	LCH	6.00	<13	PASS
	MCH	6.08	<13	PASS
	HCH	5.97	<13	PASS

Peak-to Average Ratio Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Peak-to-Average Ratio [dB]	Limit [dB]	Verdict
QPSK	LCH	5.15	<13	PASS
	MCH	5.18	<13	PASS
	HCH	5.03	<13	PASS
16QAM	LCH	5.91	<13	PASS
	MCH	6.05	<13	PASS
	HCH	5.92	<13	PASS

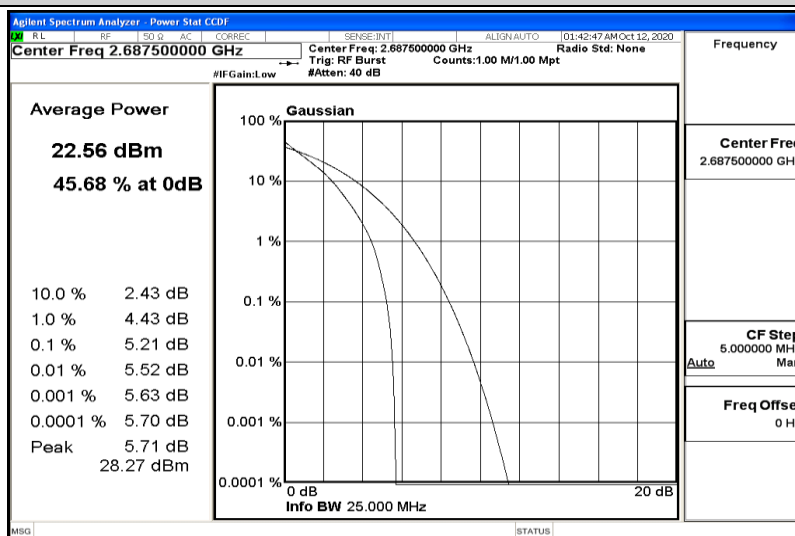
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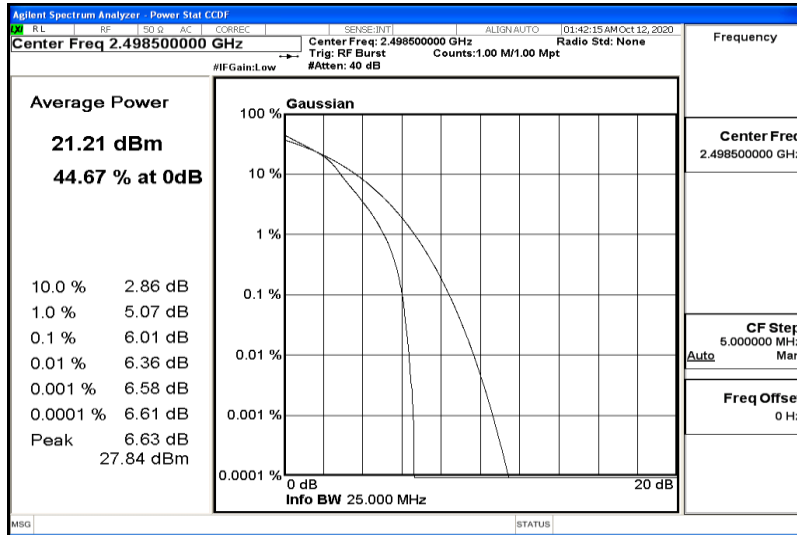
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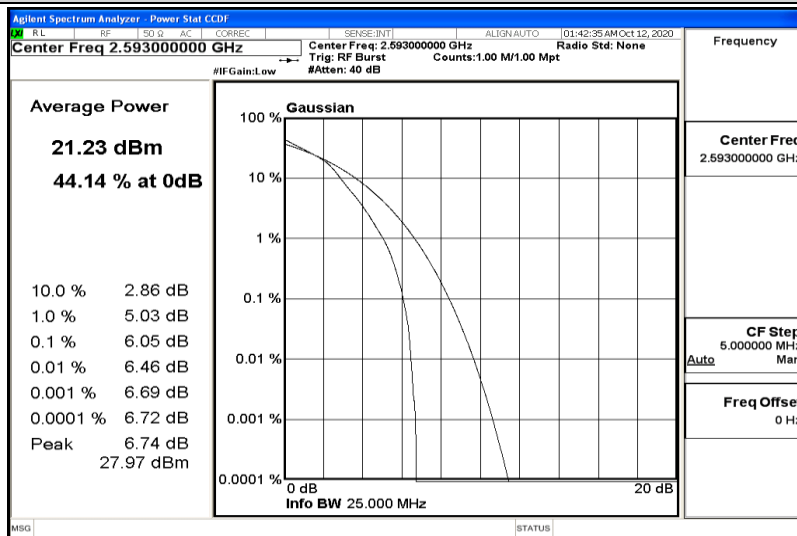
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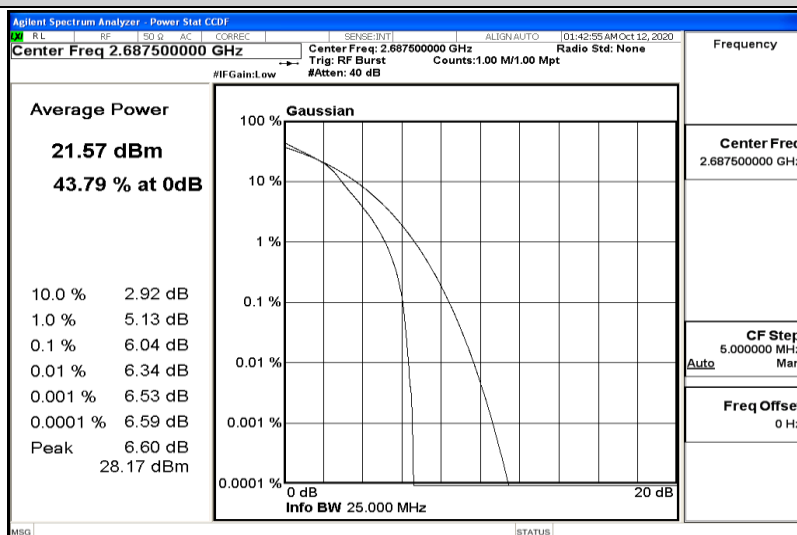
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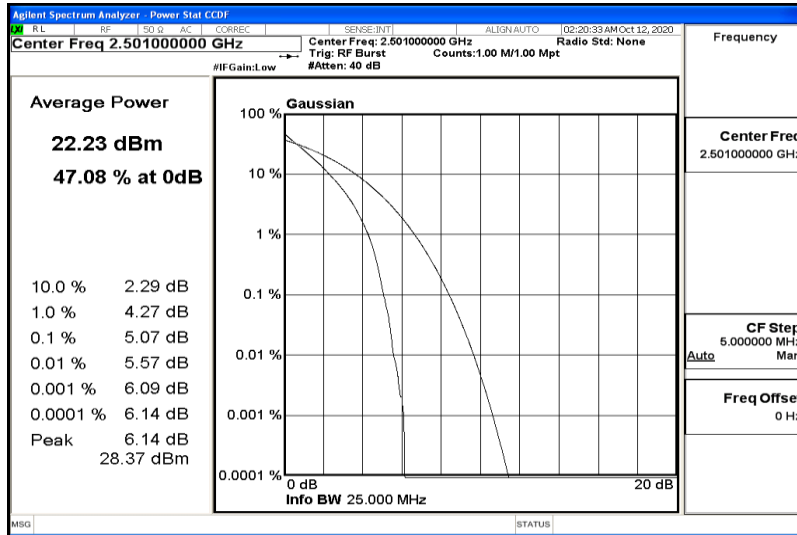
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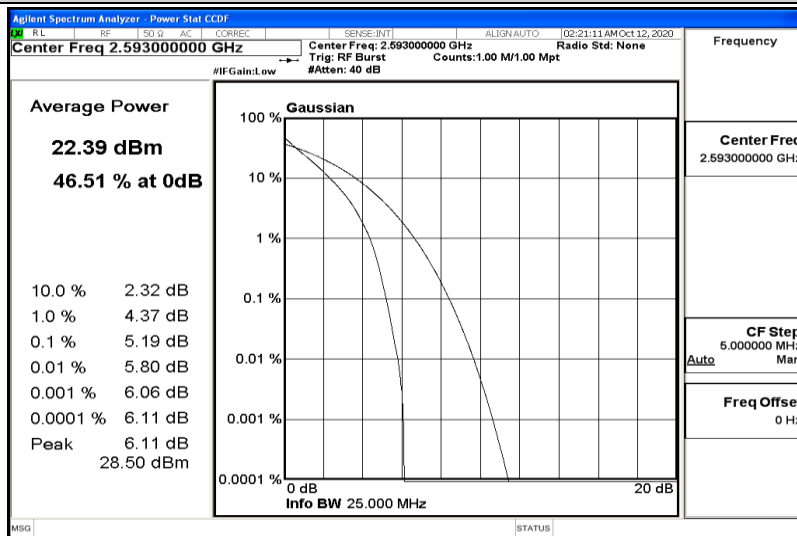
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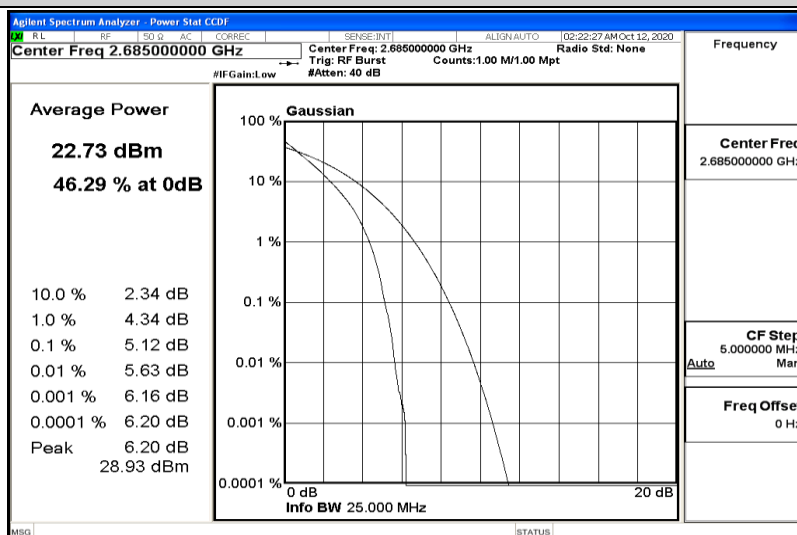
Band41-10MHz-QPSK-39700-50RB#0



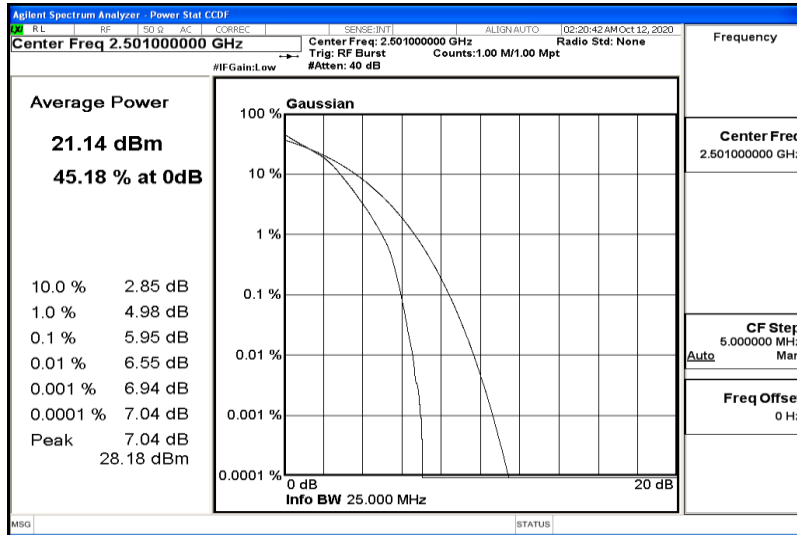
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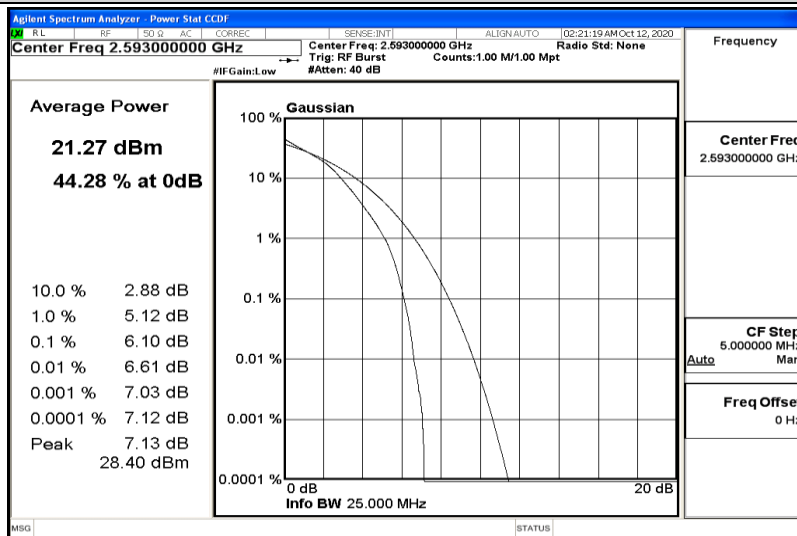
Band41-10MHz-QPSK-41540-50RB#0



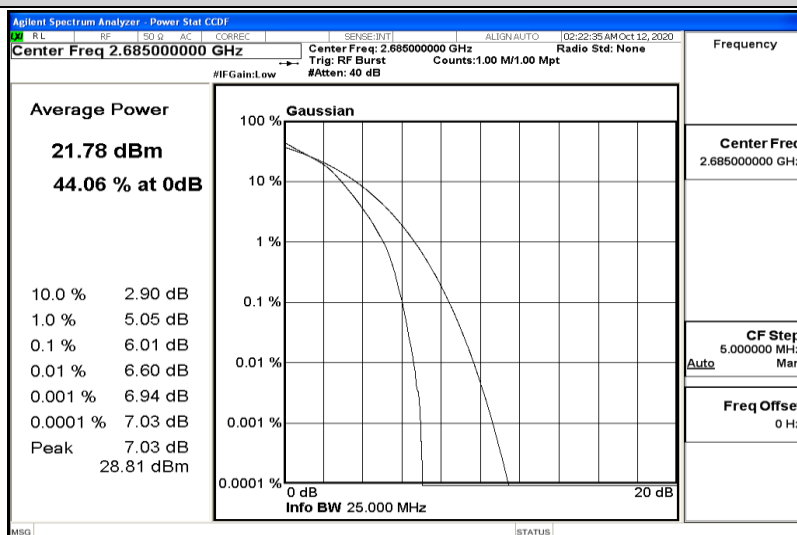
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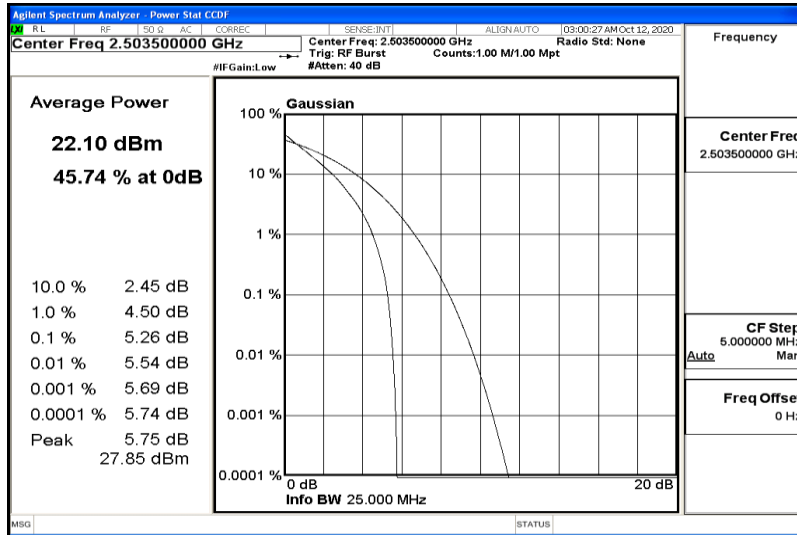
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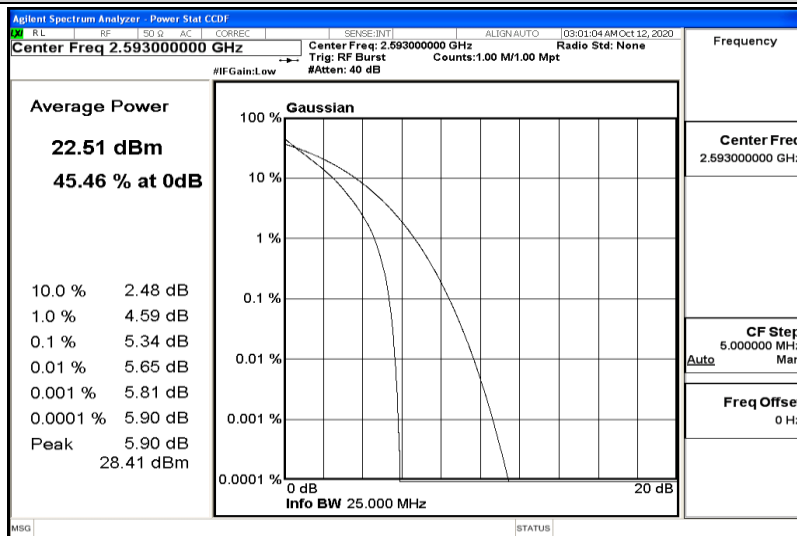
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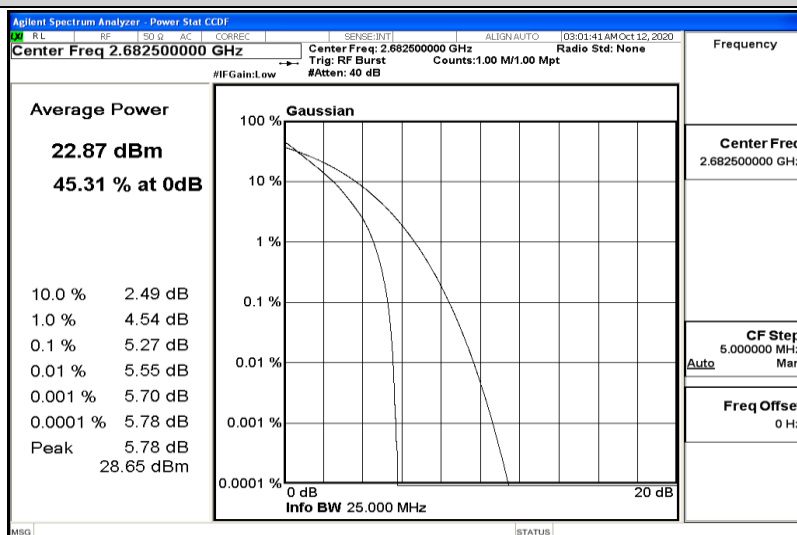
Band41-15MHz-QPSK-39725-75RB#0



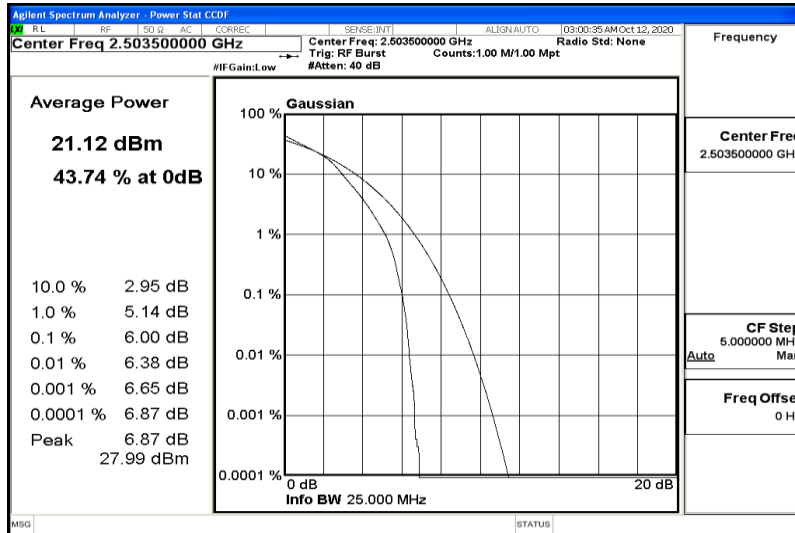
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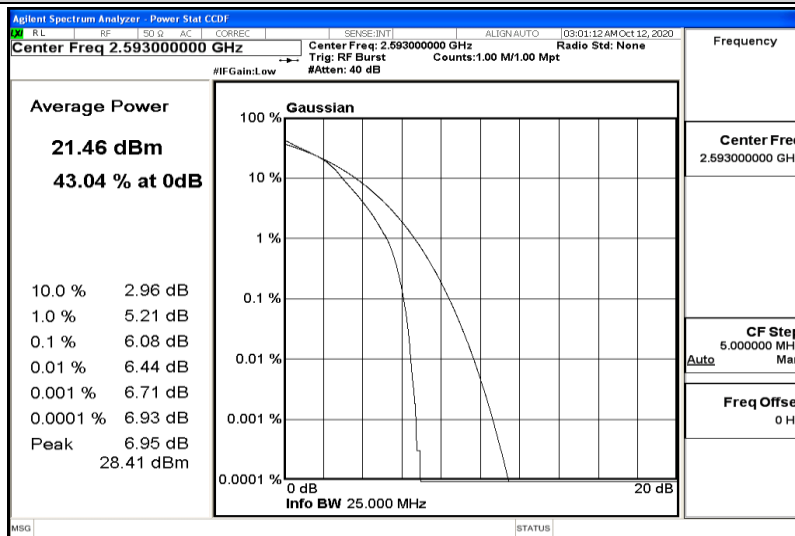
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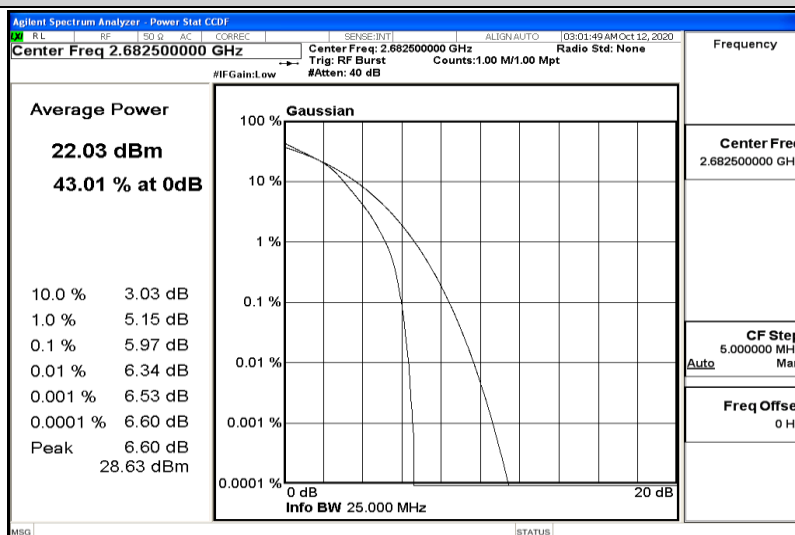
Band41-15MHz-16QAM-39725-75RB#0



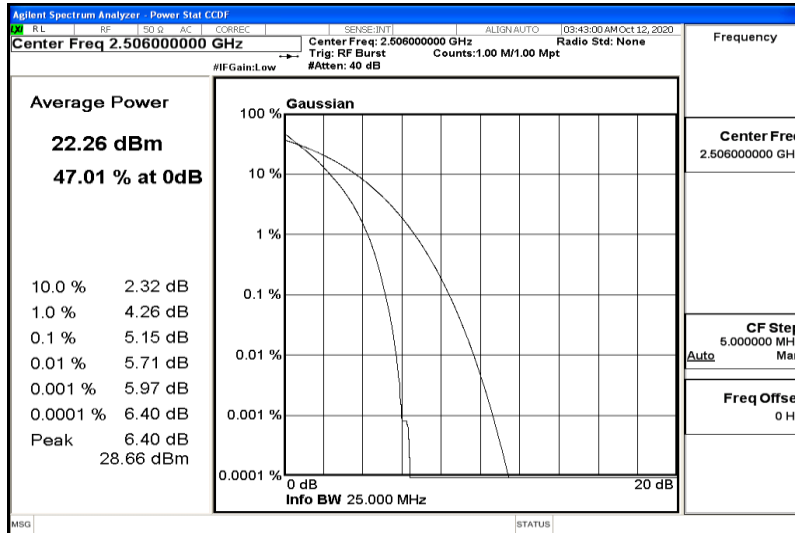
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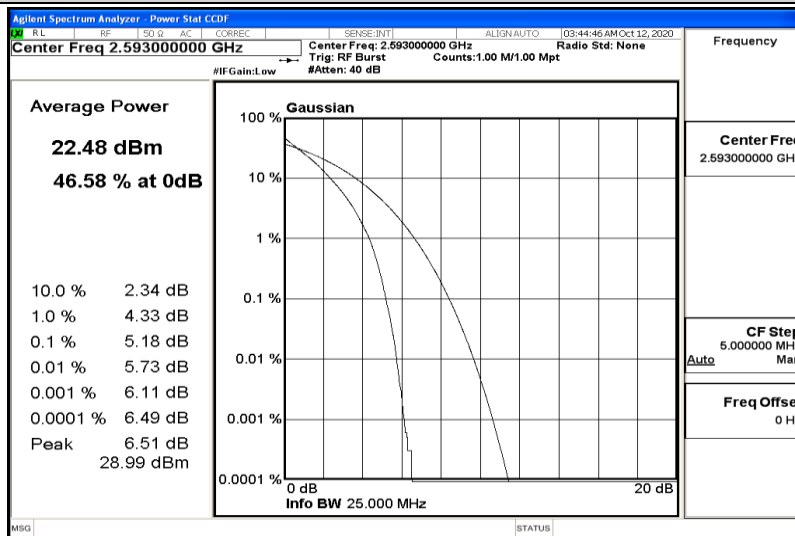
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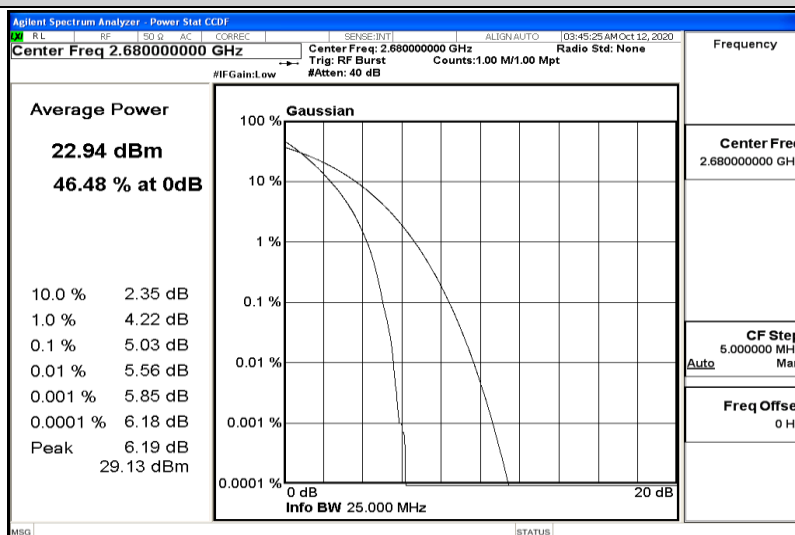
Band41-20MHz-QPSK-39750-100RB#0



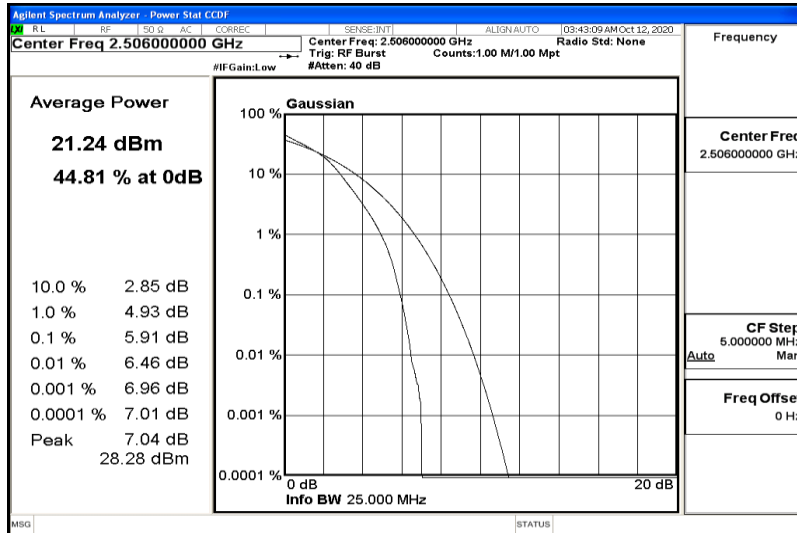
Band41-20MHz-QPSK-40620-100RB#0



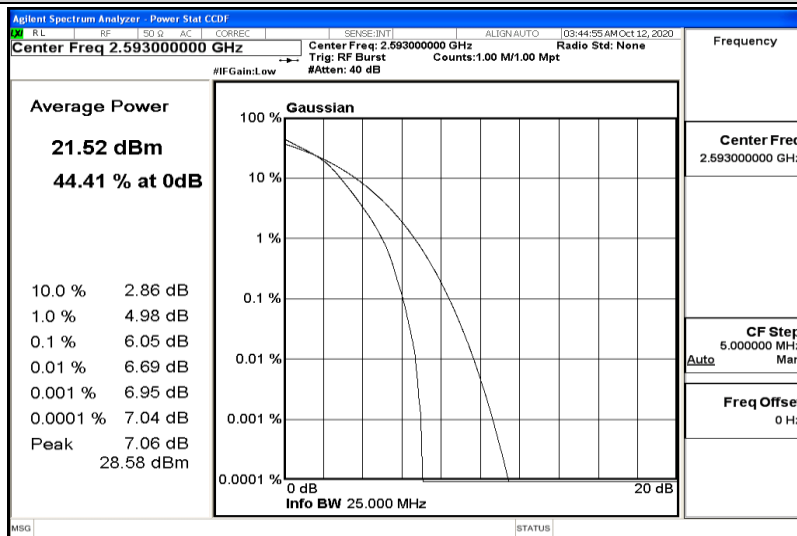
Band41-20MHz-QPSK-41490-100RB#0



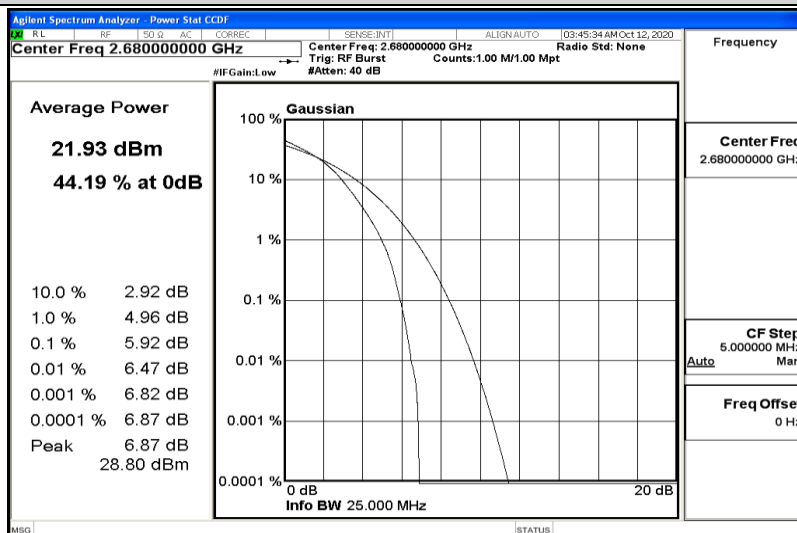
Band41-20MHz-16QAM-39750-100RB#0



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



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



E.3 26dB Bandwidth and Occupied Bandwidth

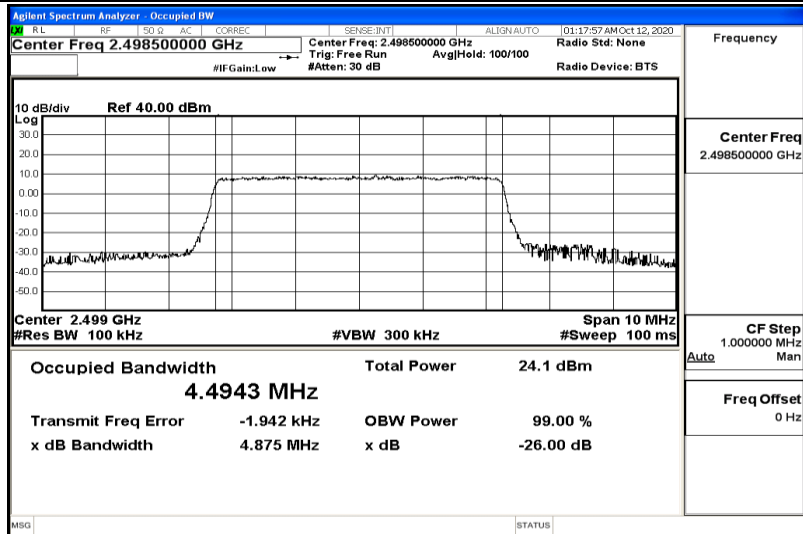
EBW & OBW Test Result (Channel Bandwidth: 5 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	4.4943	4.875	PASS
	MCH	4.5036	4.867	PASS
	HCH	4.5004	4.815	PASS
16QAM	LCH	4.4904	4.857	PASS
	MCH	4.4910	4.845	PASS
	HCH	4.4988	4.843	PASS

EBW & OBW Test Result (Channel Bandwidth: 10 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	8.9510	9.554	PASS
	MCH	8.9490	9.578	PASS
	HCH	8.9737	9.494	PASS
16QAM	LCH	8.9469	9.512	PASS
	MCH	8.9541	9.516	PASS
	HCH	8.9506	9.513	PASS

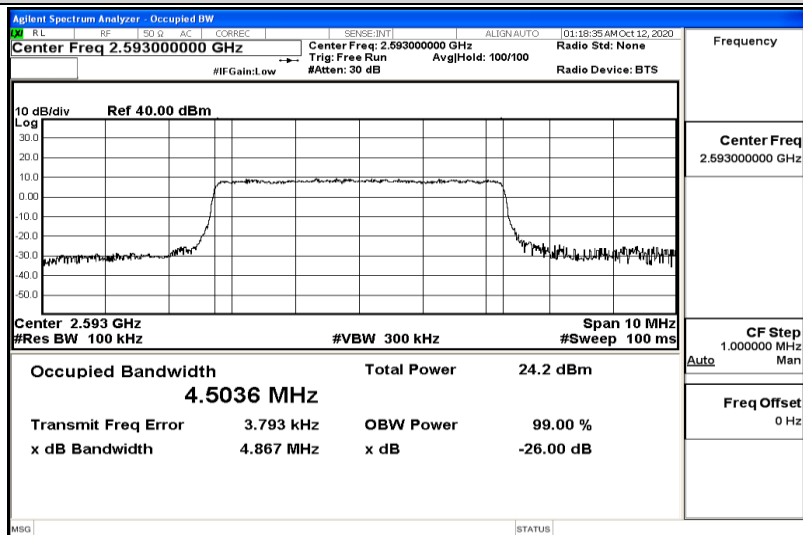
EBW & OBW Test Result (Channel Bandwidth: 15 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	13.429	14.24	PASS
	MCH	13.435	14.25	PASS
	HCH	13.434	14.24	PASS
16QAM	LCH	13.428	14.25	PASS
	MCH	13.448	14.25	PASS
	HCH	13.434	14.24	PASS

EBW & OBW Test Result (Channel Bandwidth: 20 MHz)				
Modulation	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
QPSK	LCH	17.878	18.93	PASS
	MCH	17.890	18.93	PASS
	HCH	17.873	18.93	PASS
16QAM	LCH	17.888	18.93	PASS
	MCH	17.923	18.94	PASS
	HCH	17.857	18.94	PASS

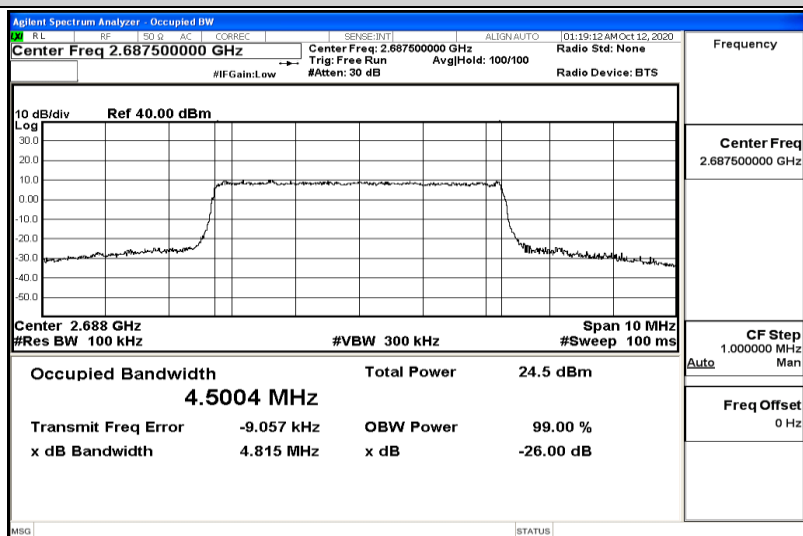
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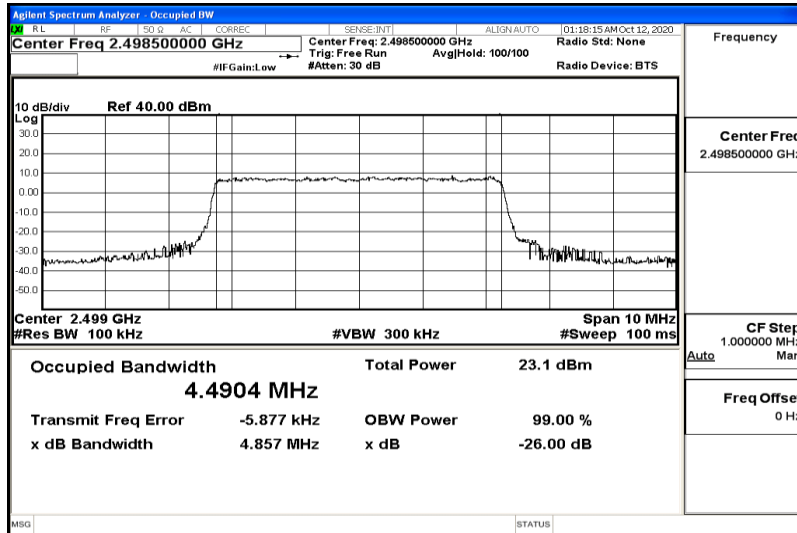
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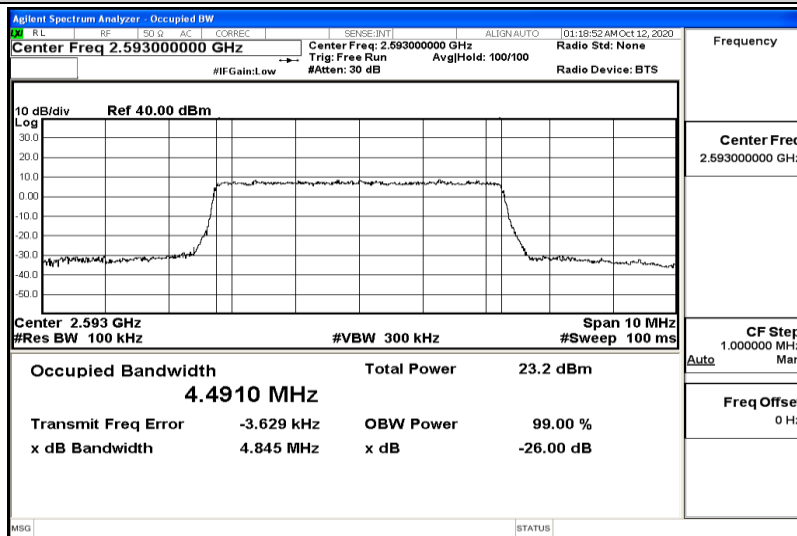
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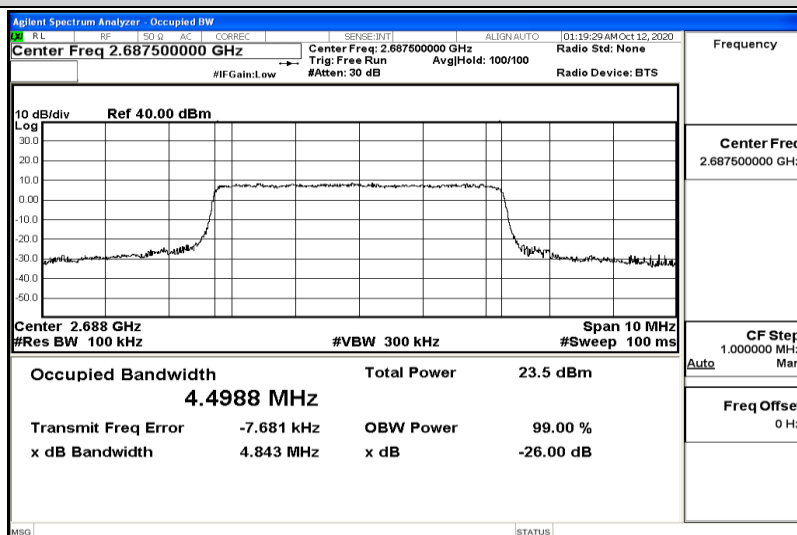
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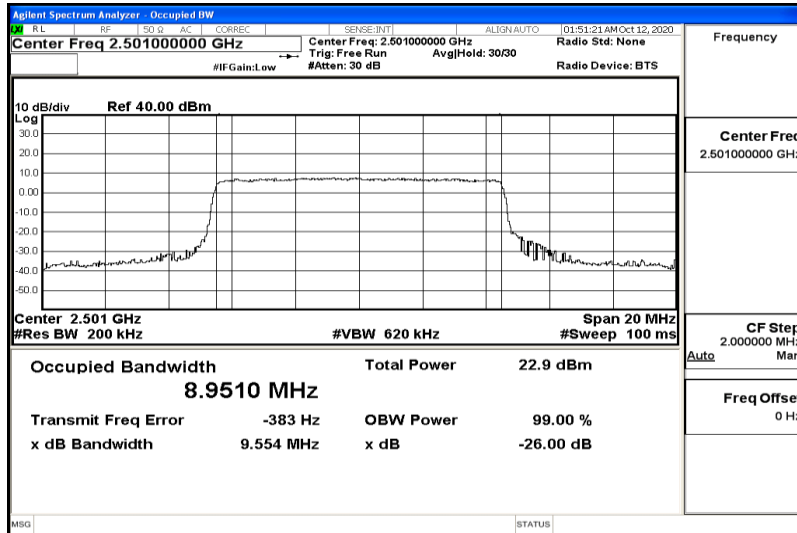
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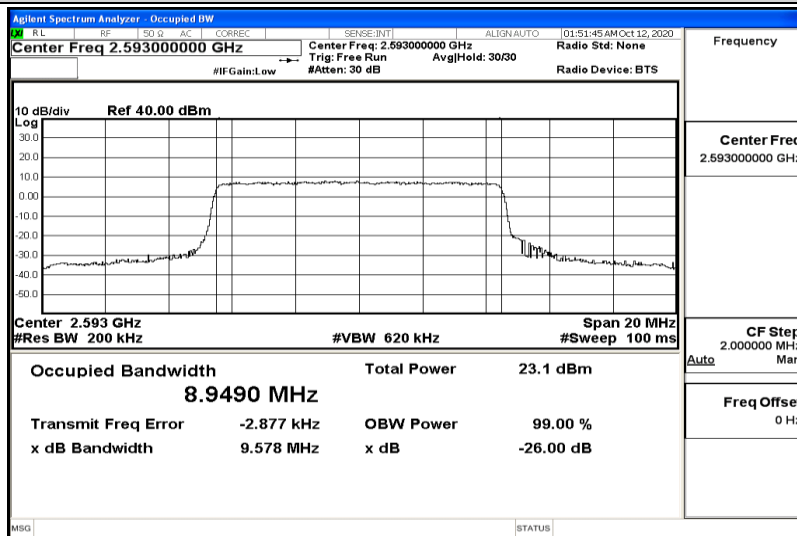
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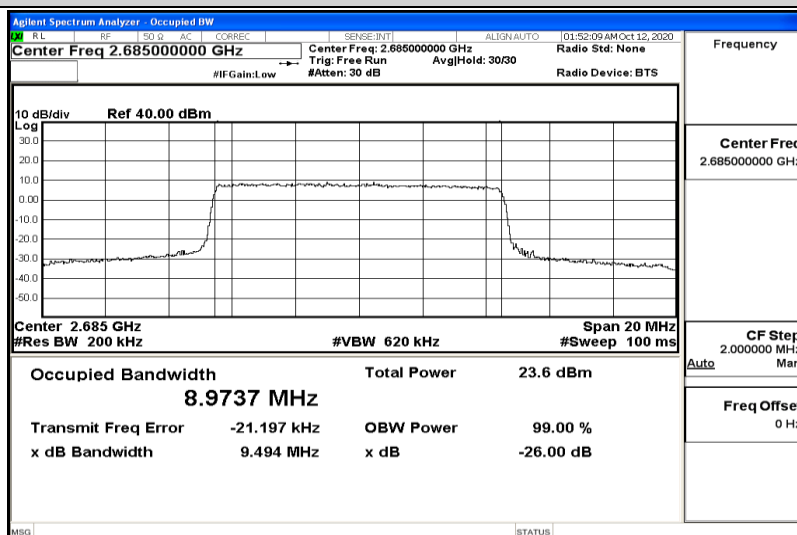
Band41-10MHz-QPSK-39700-50RB#0-8.9510



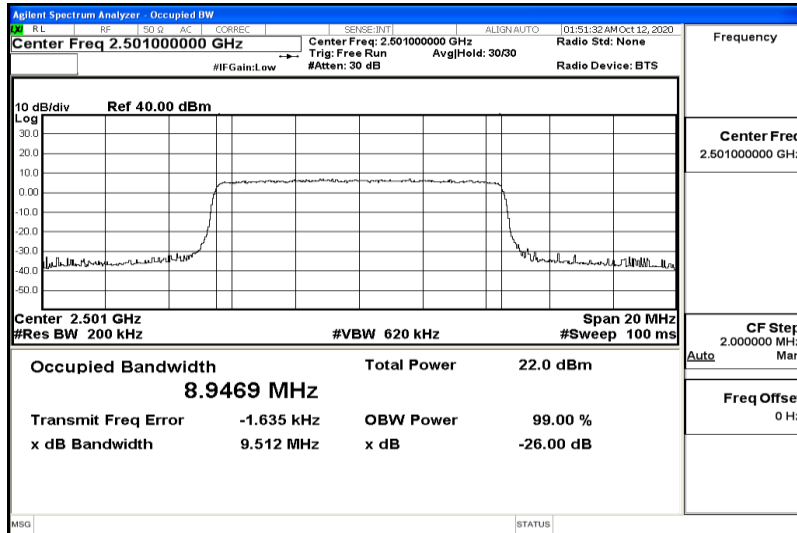
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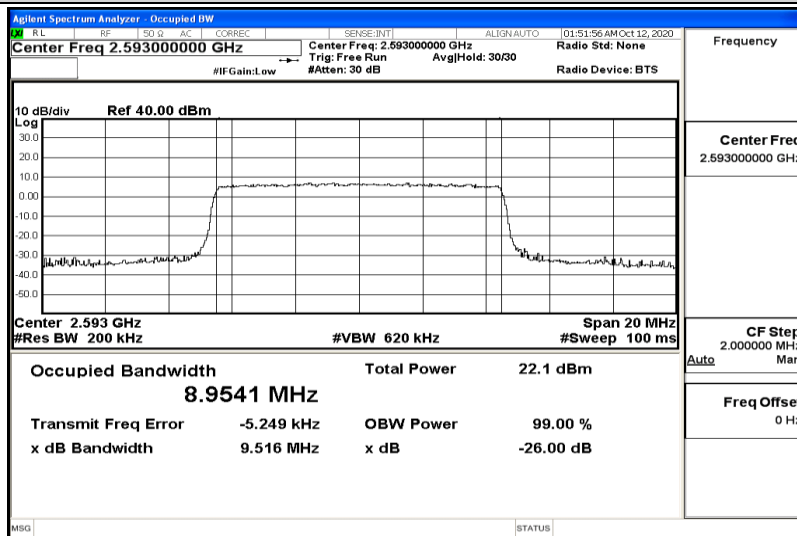
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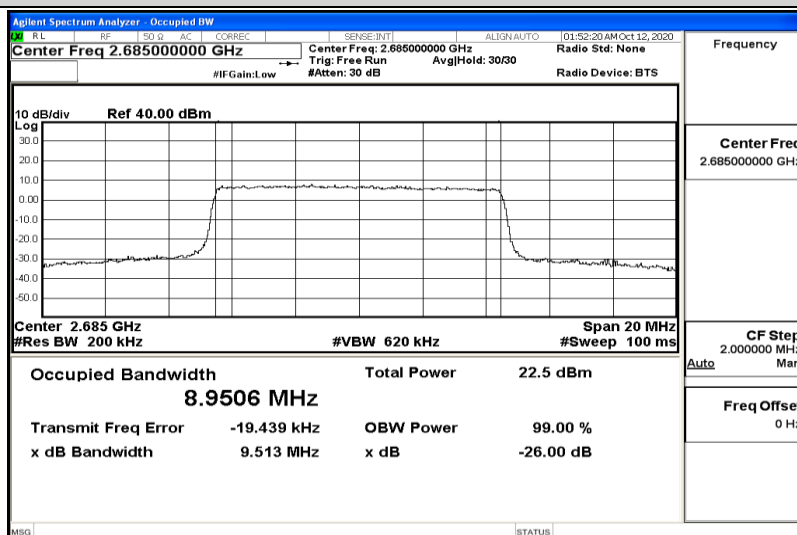
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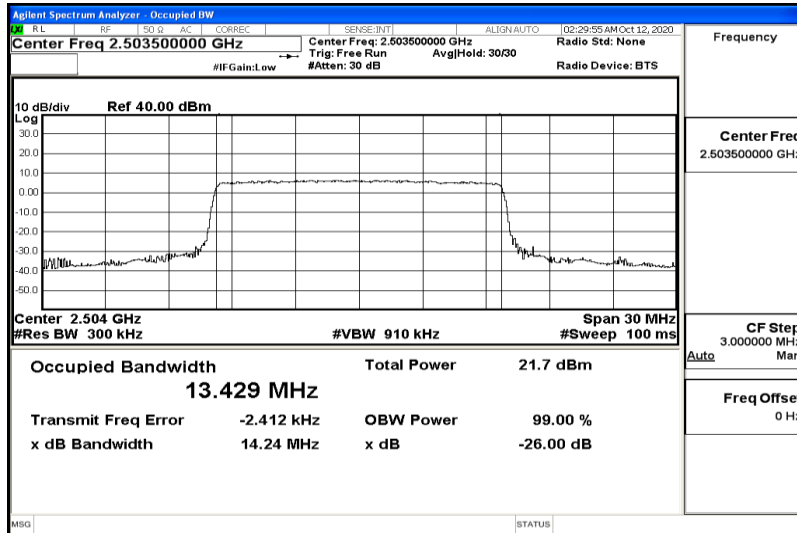
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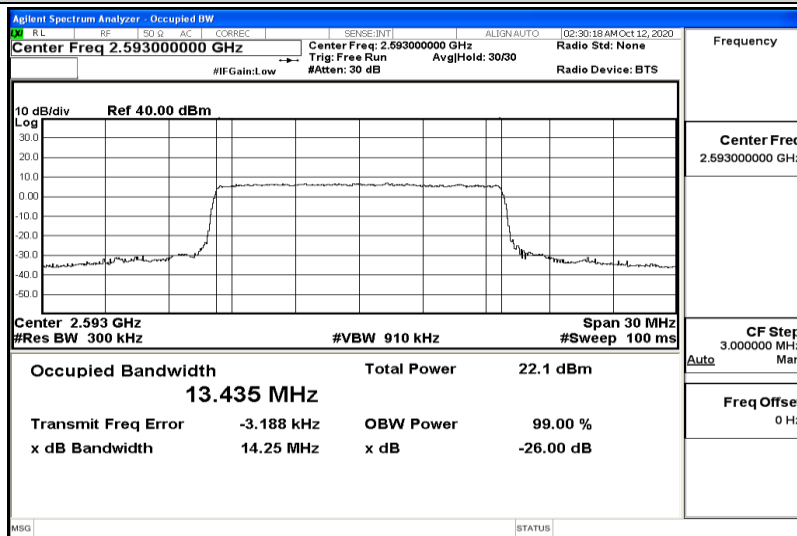
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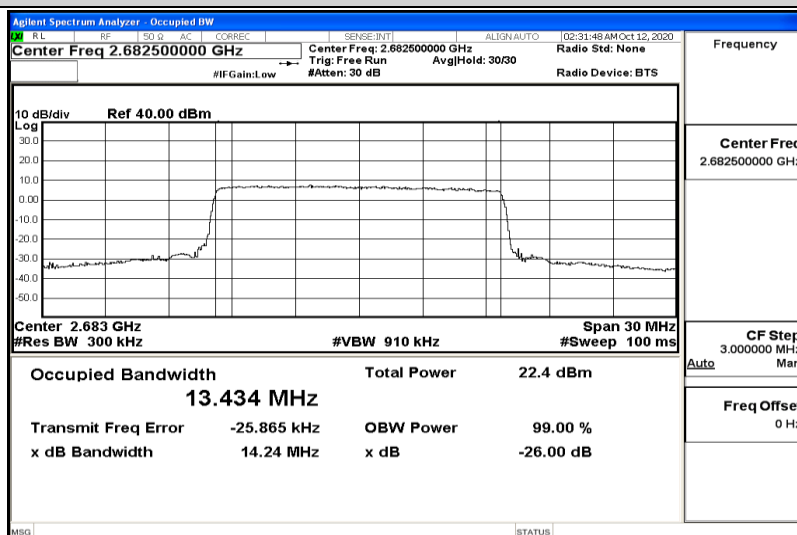
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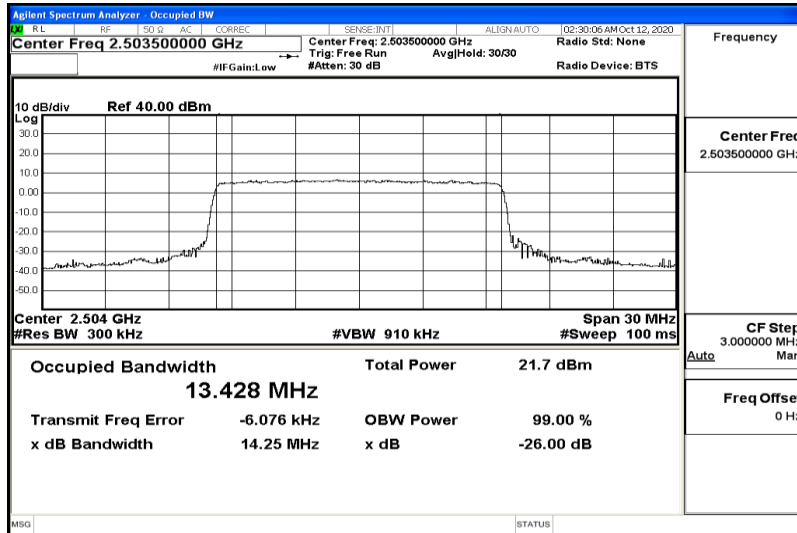
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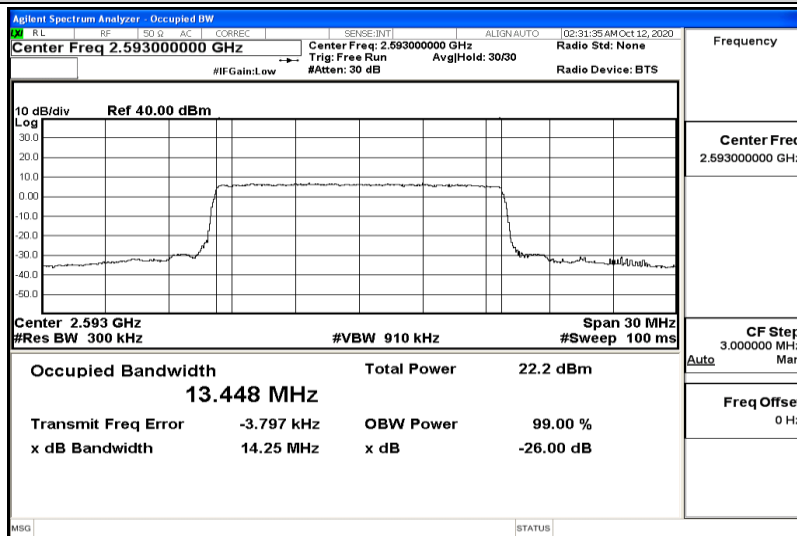
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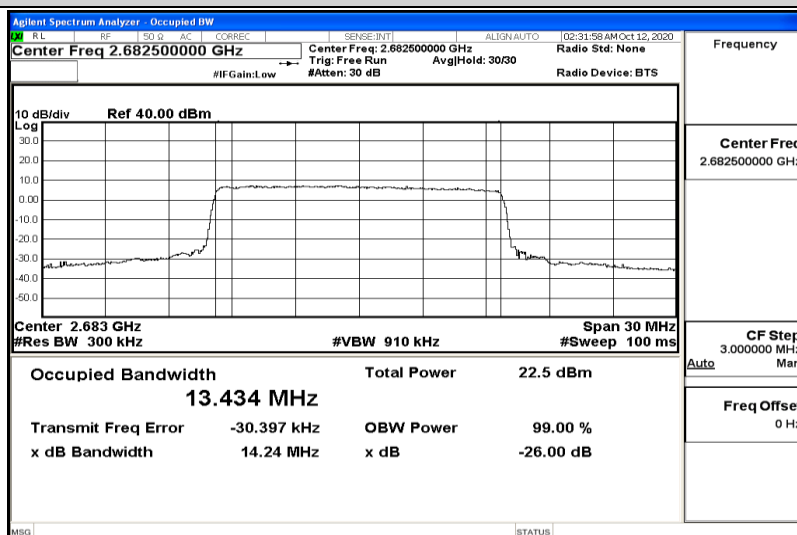
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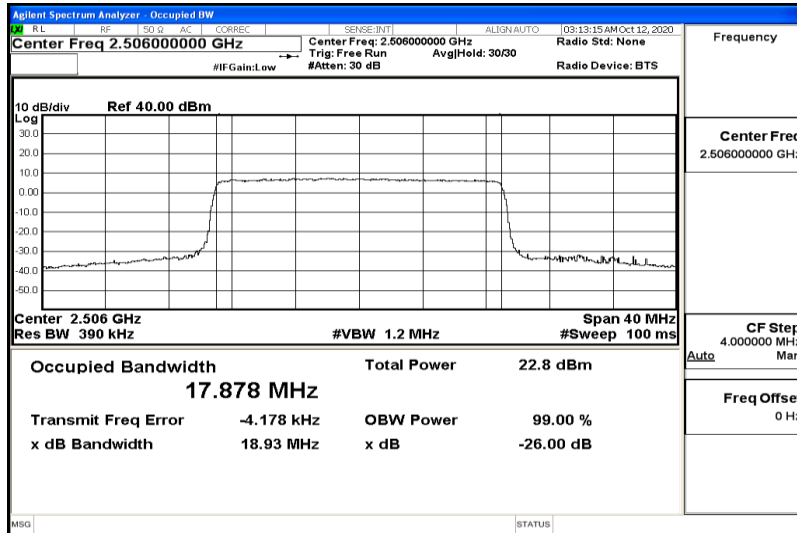
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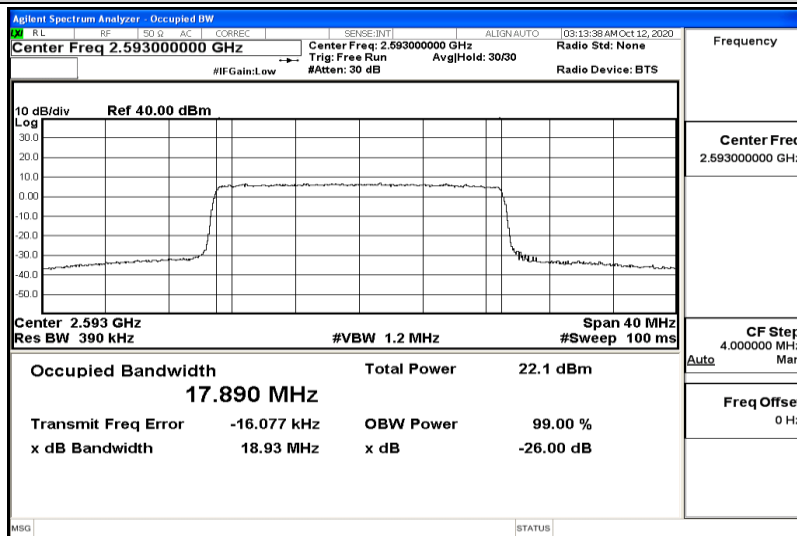
Band41-15MHz-16QAM-41515-75RB#0-13.434



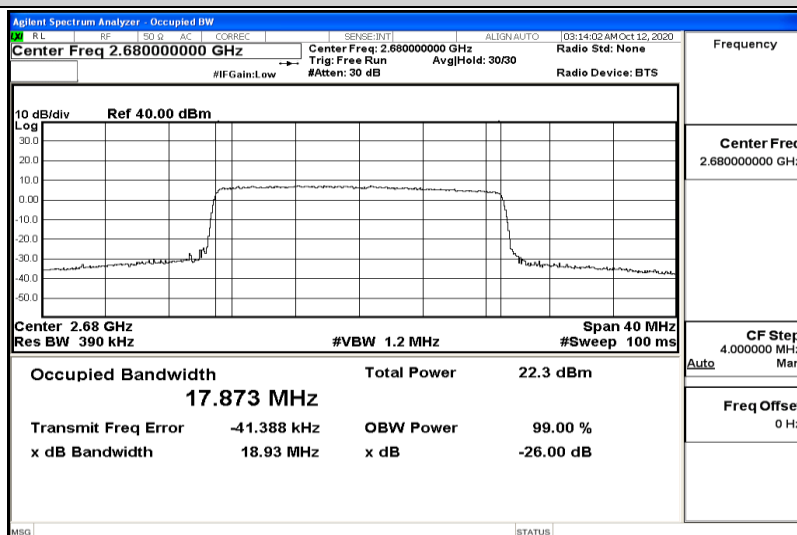
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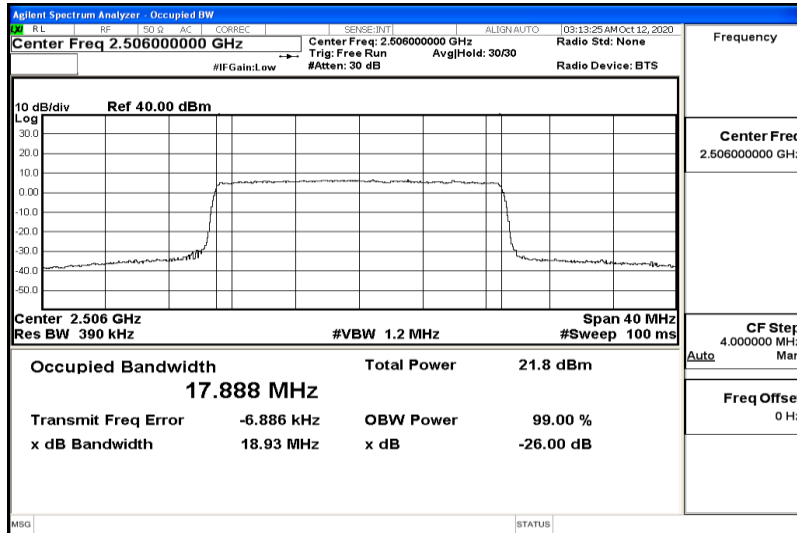
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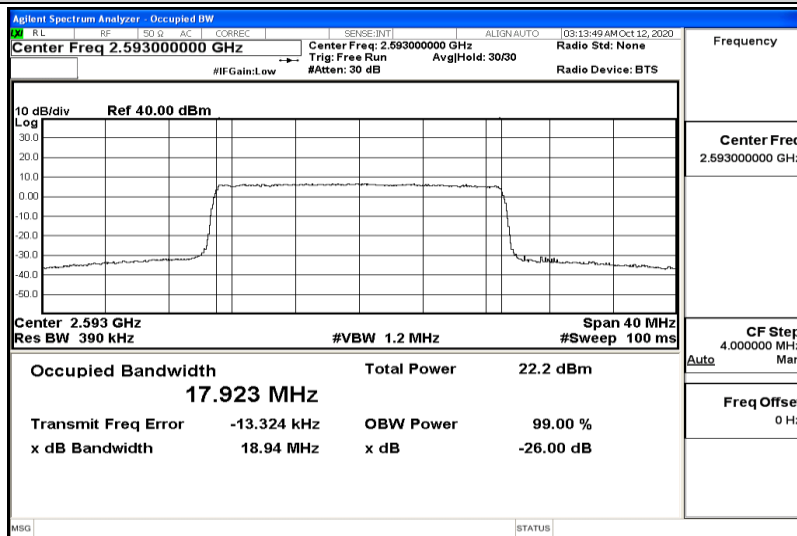
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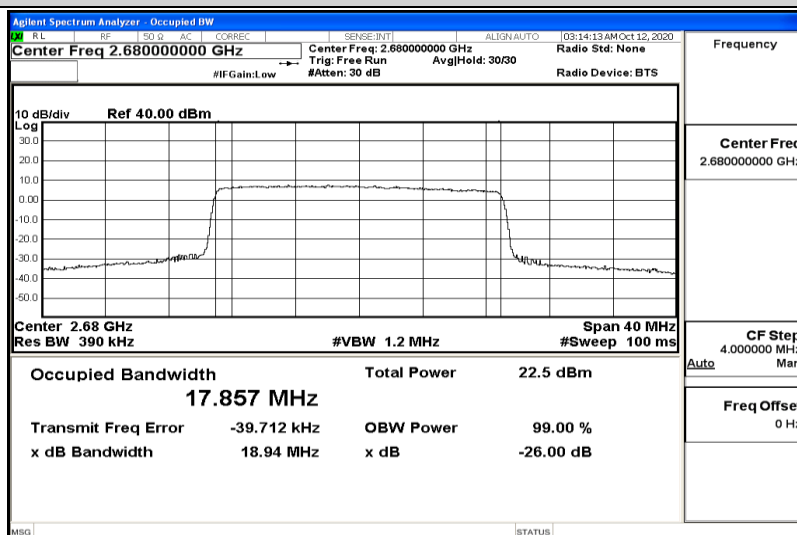
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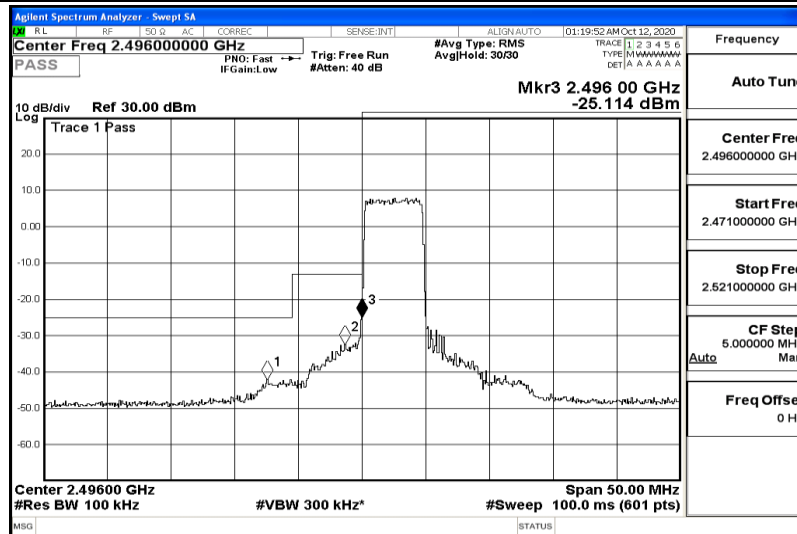


Band41-20MHz-16QAM-41490-100RB#0-17.857

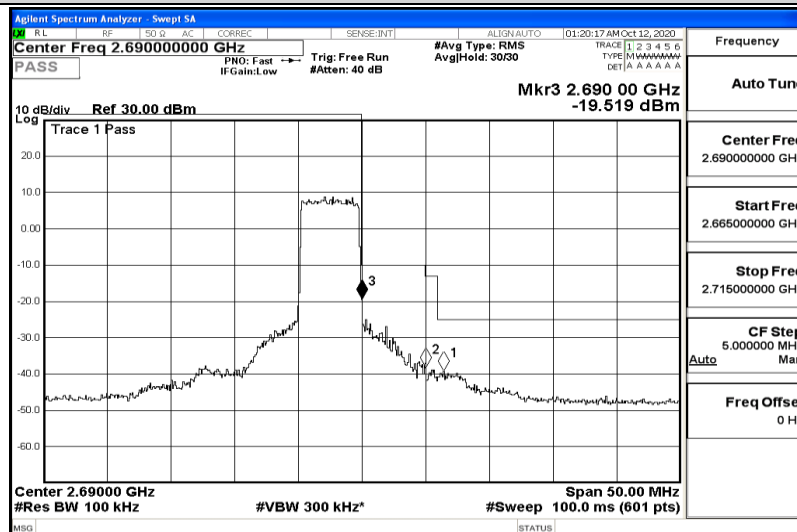


E.4 Band Edge

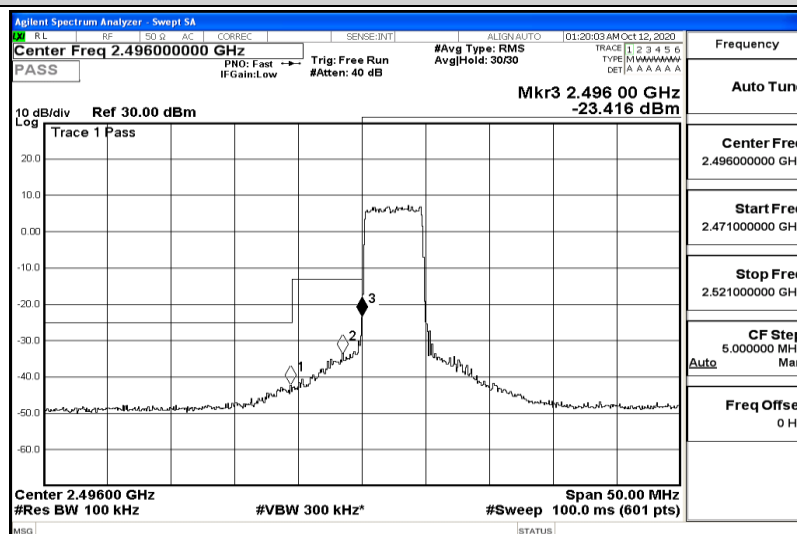
Band41-5MHz-QPSK-39675-25RB#0



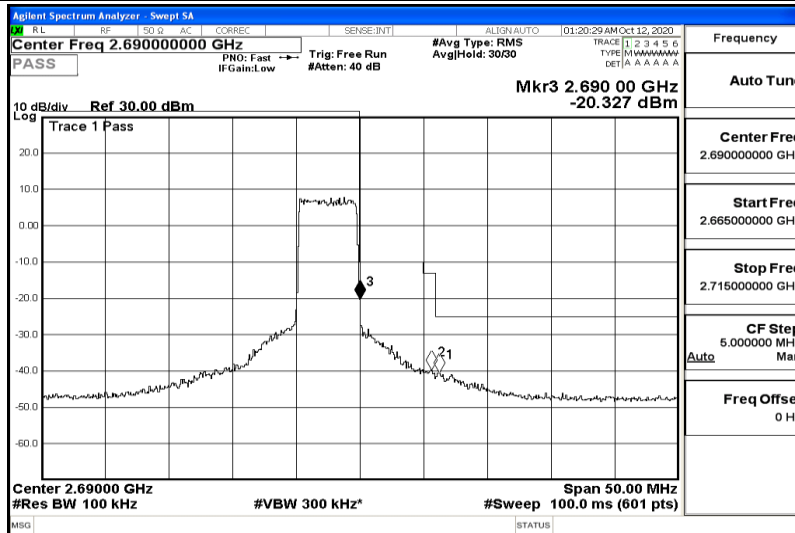
Band41-5MHz-QPSK-41565-25RB#0



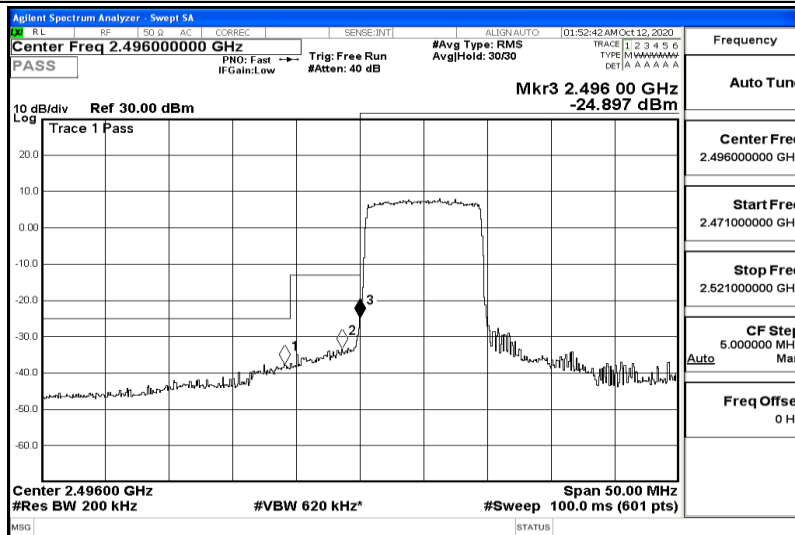
Band41-5MHz-16QAM-39675-25RB#0



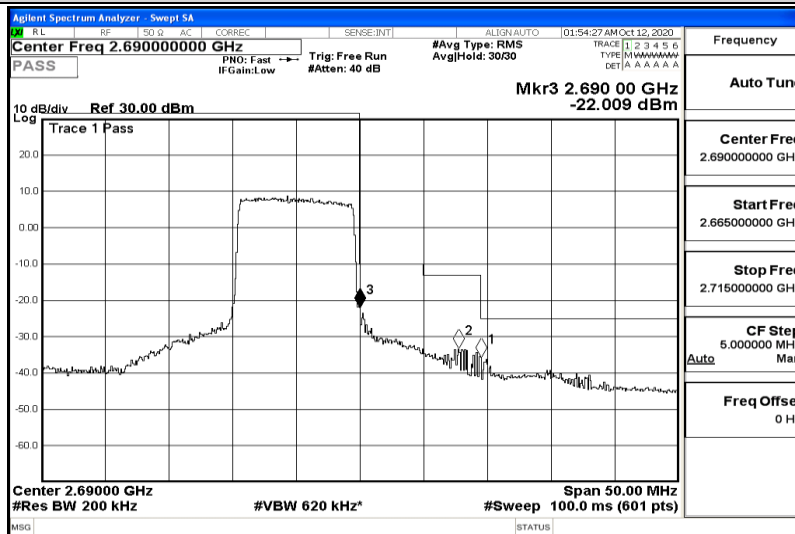
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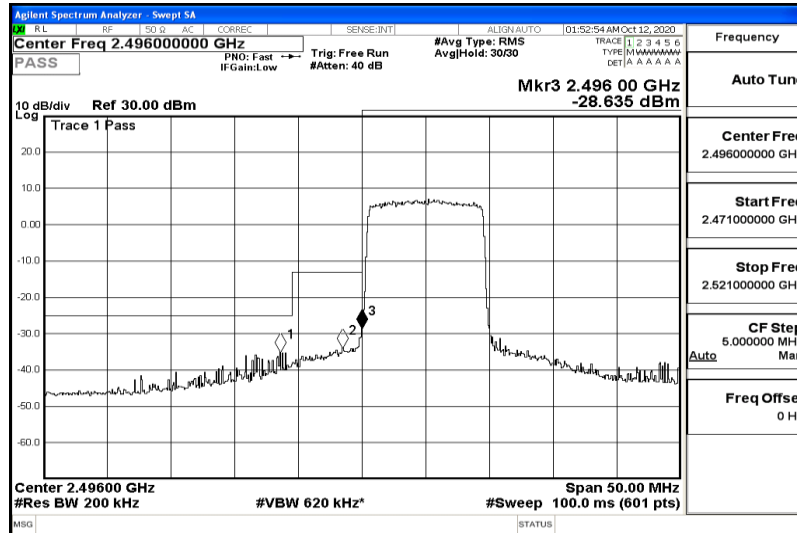
Band41-10MHz-QPSK-39700-50RB#0



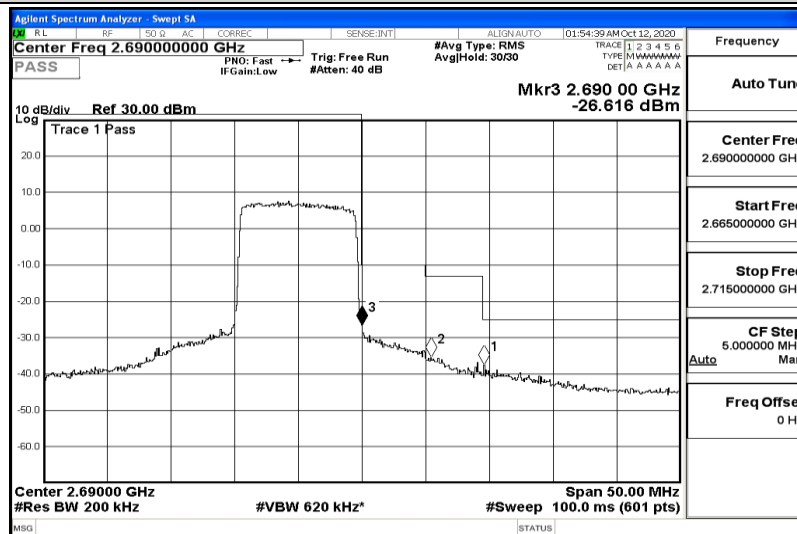
Band41-10MHz-QPSK-41540-50RB#0



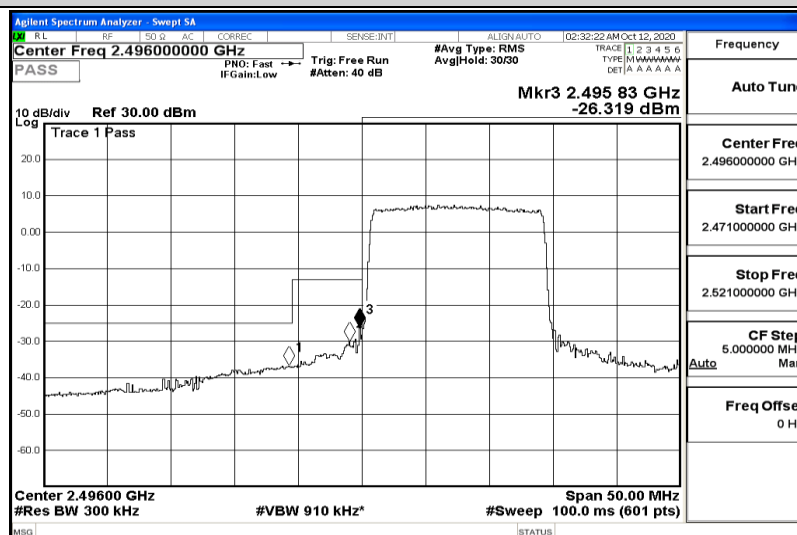
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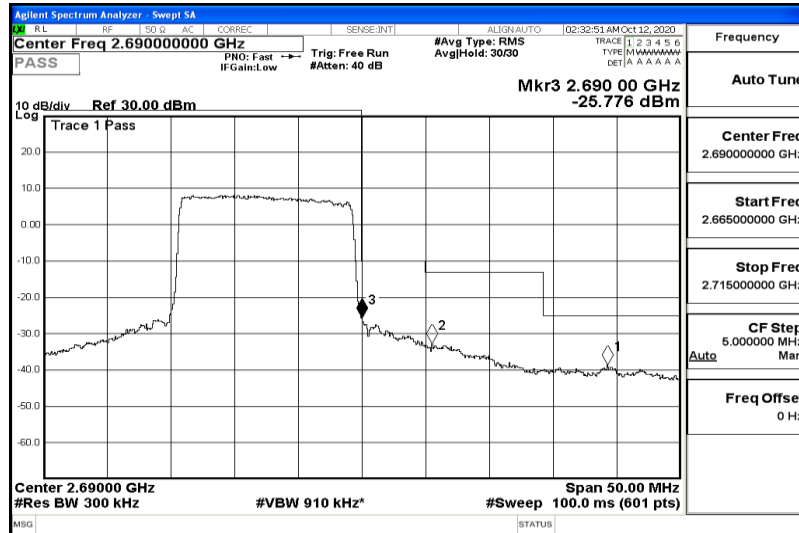
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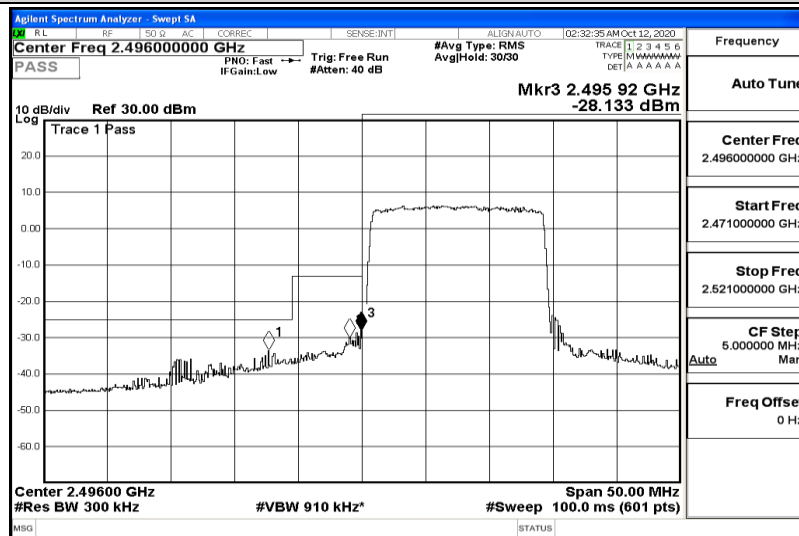
Band41-15MHz-QPSK-39725-75RB#0



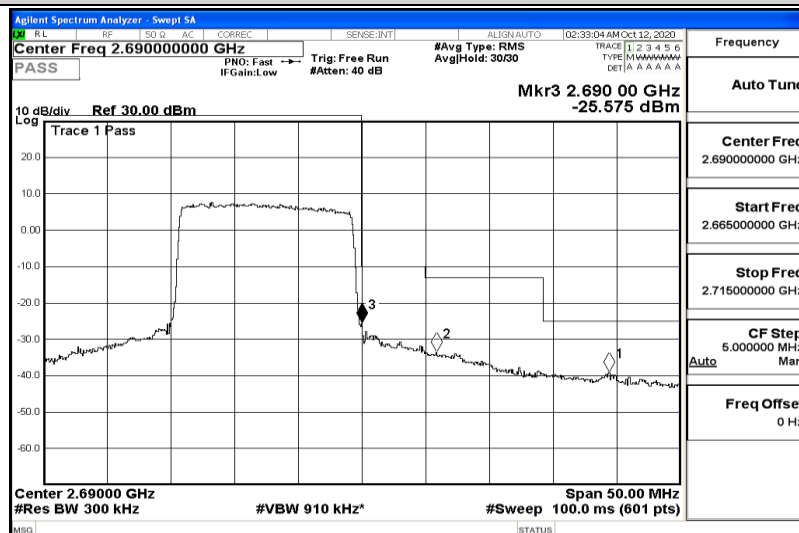
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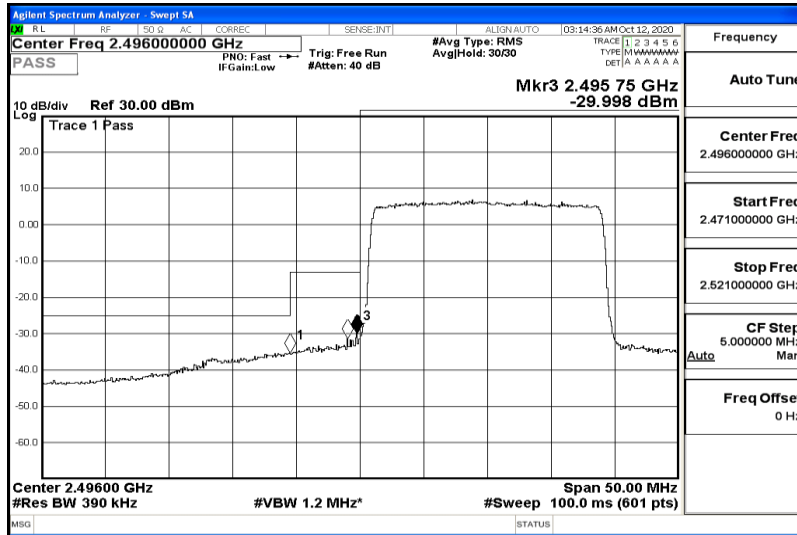
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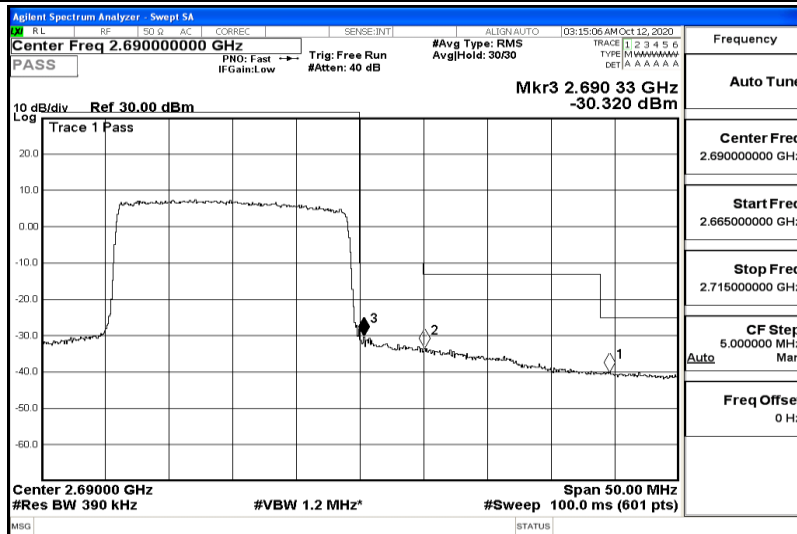
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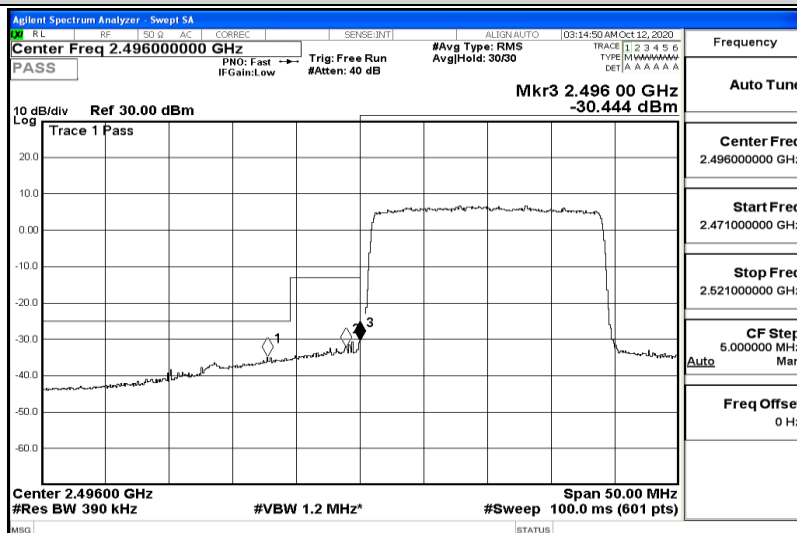
Band41-20MHz-QPSK-39750-100RB#0



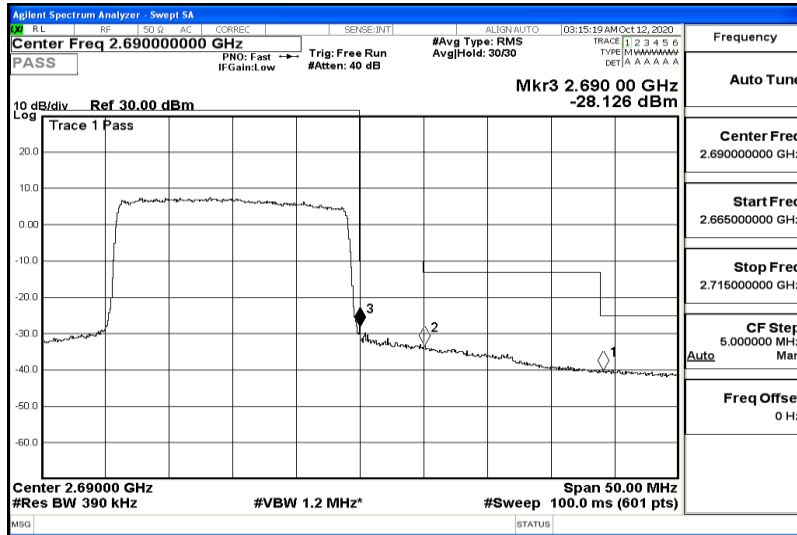
Band41-20MHz-QPSK-41490-100RB#0



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

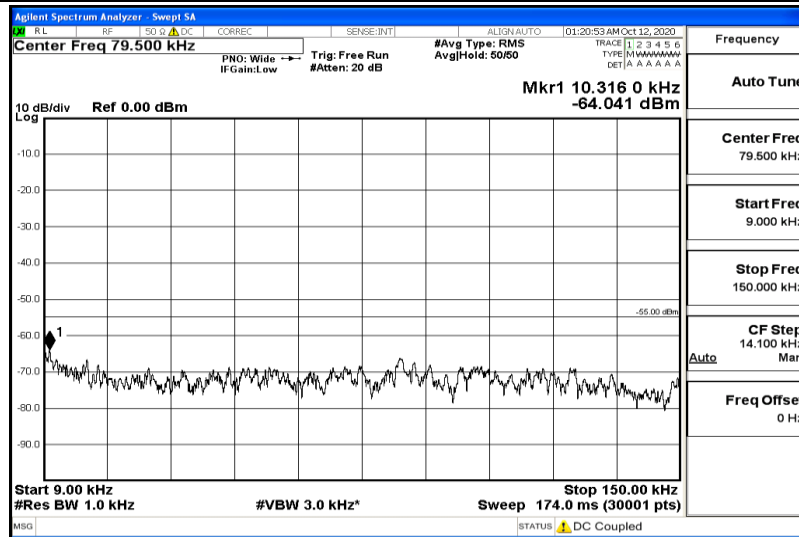


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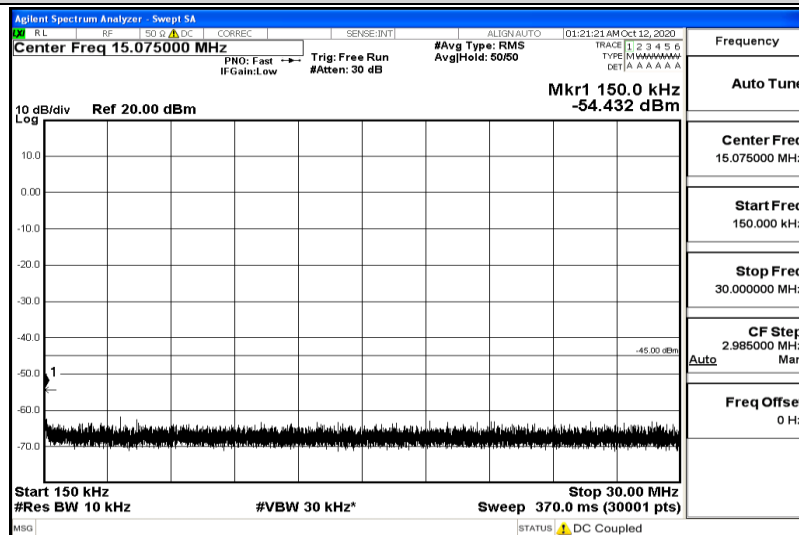


E.5 Conducted Spurious Emission

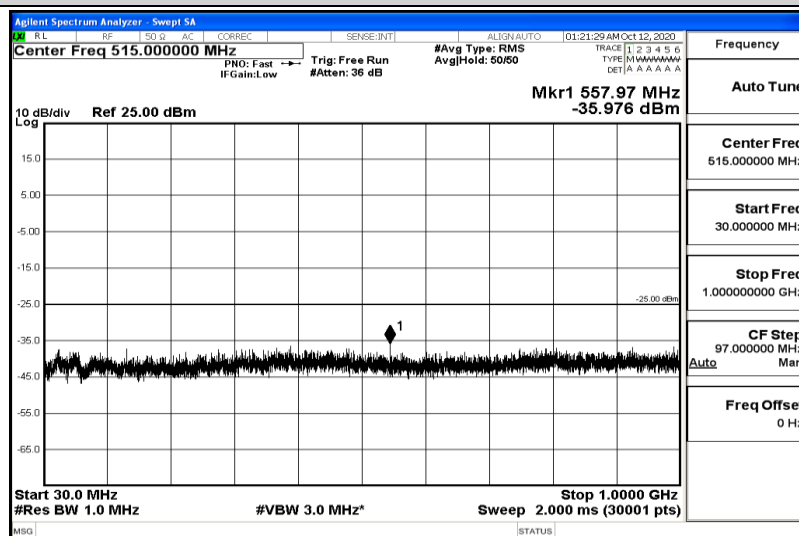
Band41-5MHz-QPSK-39675-1RB#0-Range1:0.009~0.15MHz



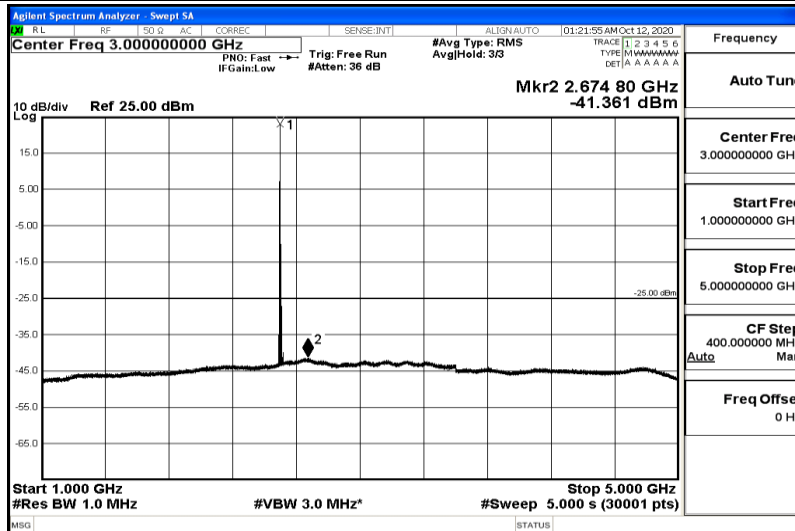
Band41-5MHz-QPSK-39675-1RB#0-Range2:0.15~30MHz



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



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



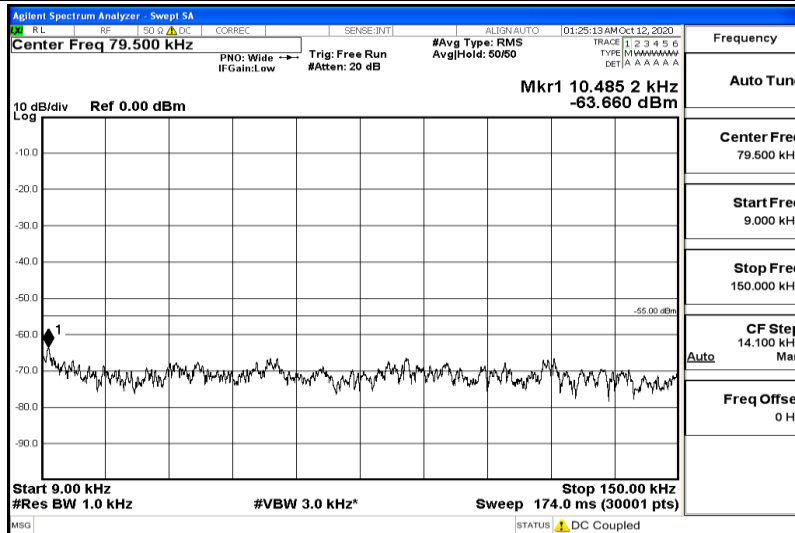
Band41-5MHz-QPSK-39675-1RB#0-Range5:5000~12000MHz



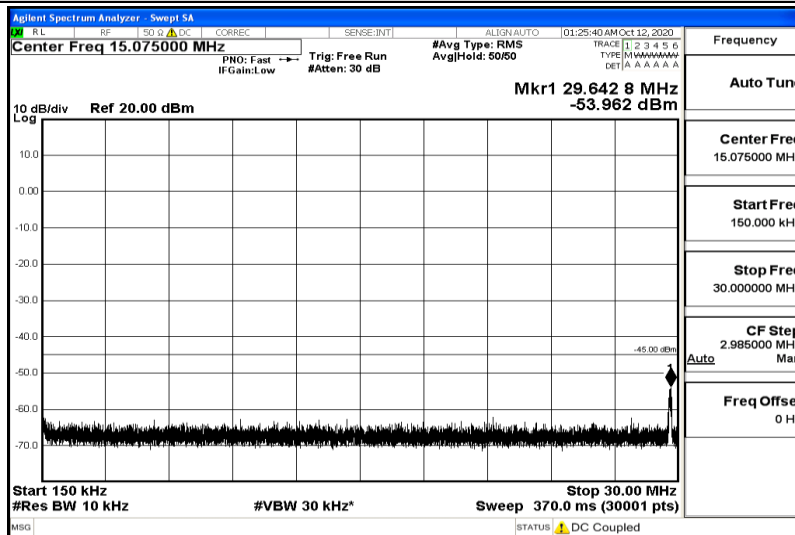
Band41-5MHz-QPSK-39675-1RB#0-Range6:12000~26500MHz



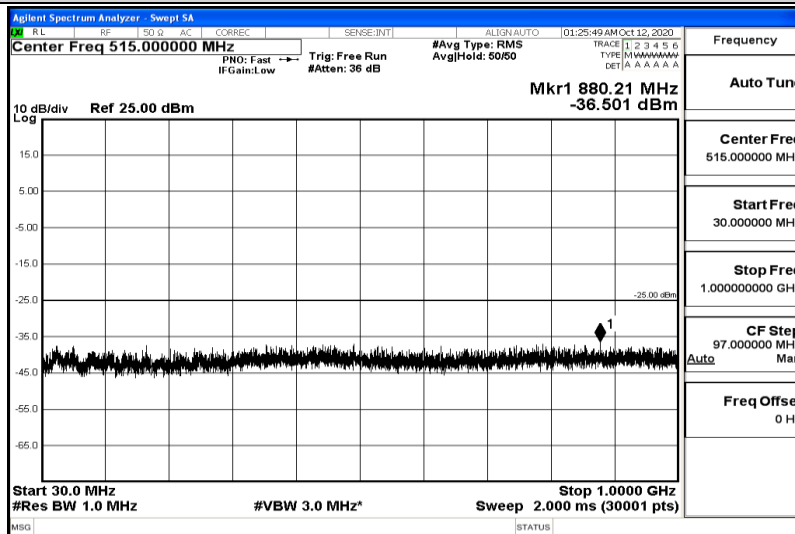
Band41-5MHz-QPSK-40620-1RB#0-Range1:0.009~0.15MHz



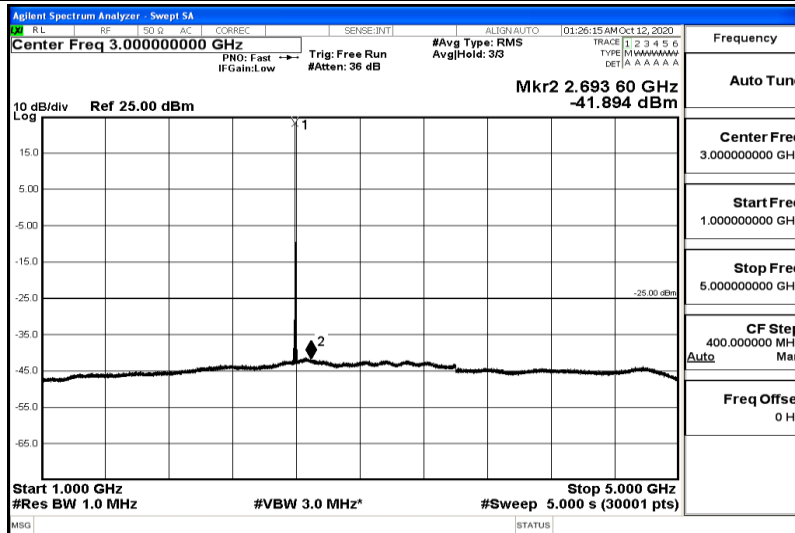
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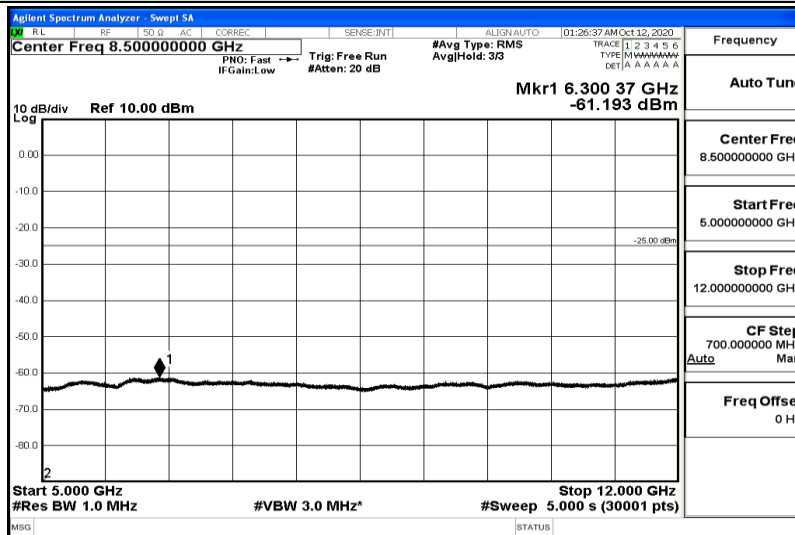
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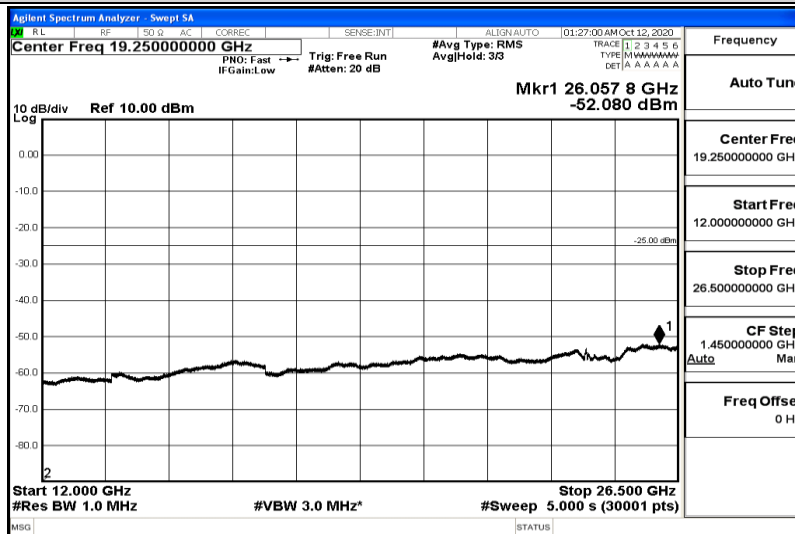
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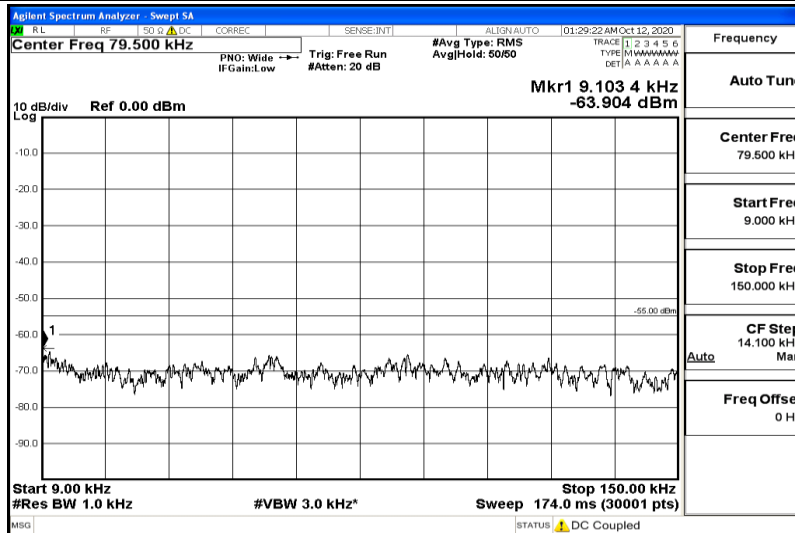
Band41-5MHz-QPSK-40620-1RB#0-Range5:5000~12000MHz



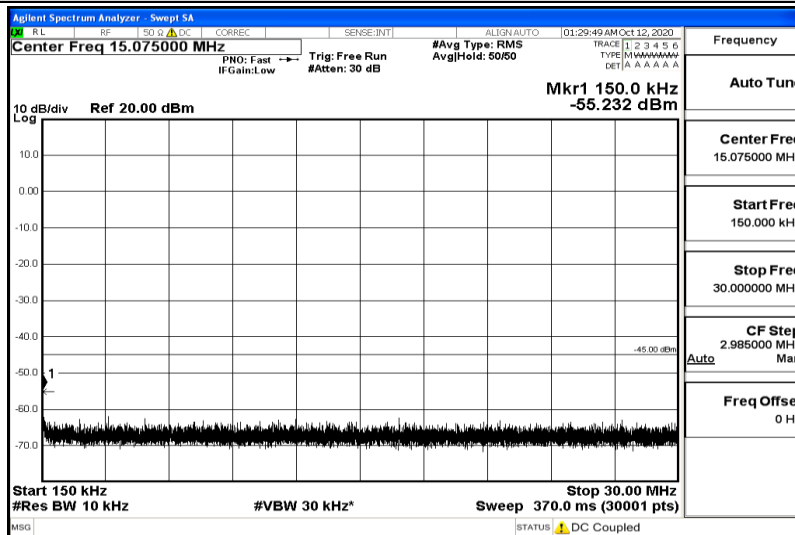
Band41-5MHz-QPSK-40620-1RB#0-Range6:12000~26500MHz



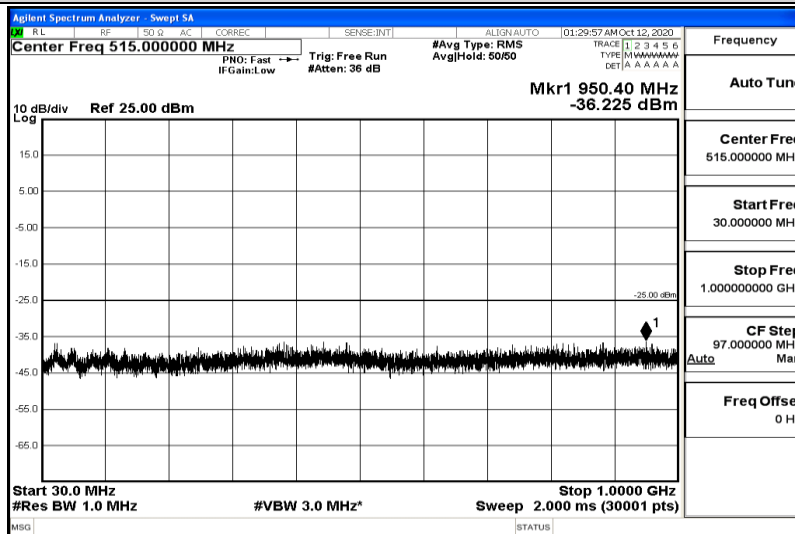
Band41-5MHz-QPSK-41565-1RB#0-Range1:0.009~0.15MHz



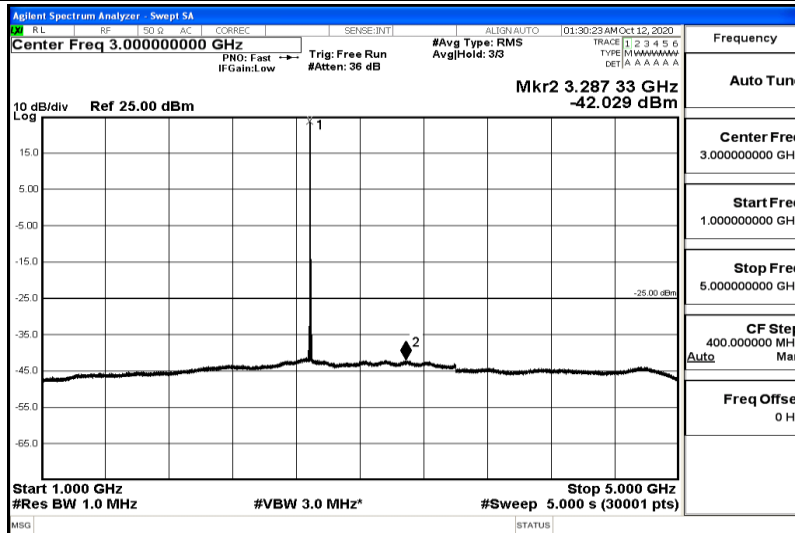
Band41-5MHz-QPSK-41565-1RB#0-Range2:0.15~30MHz



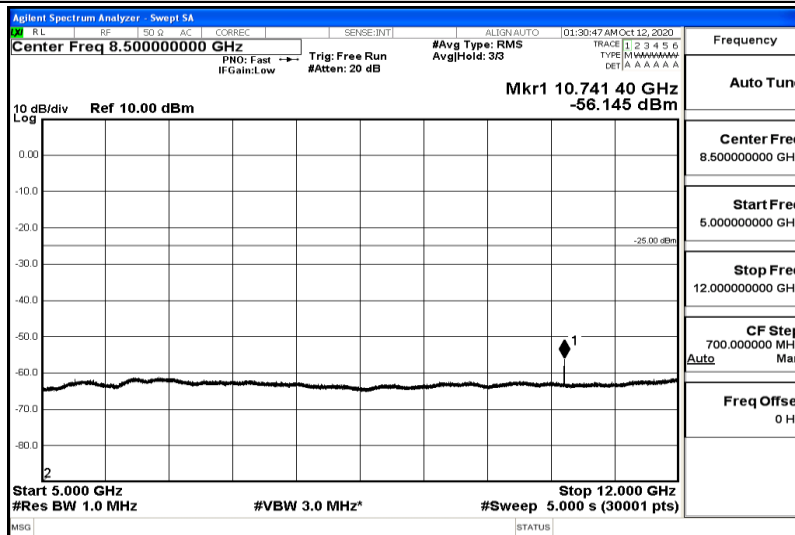
Band41-5MHz-QPSK-41565-1RB#0-Range3:30~1000MHz



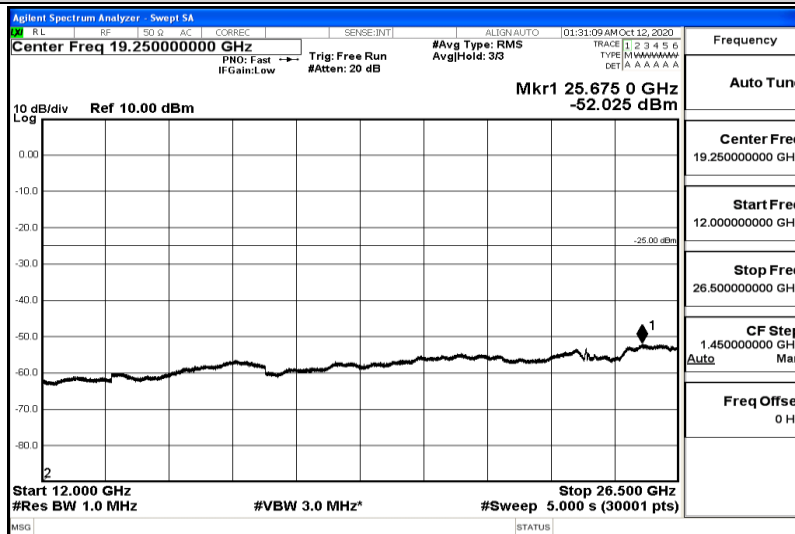
Band41-5MHz-QPSK-41565-1RB#0-Range4:1000~5000MHz



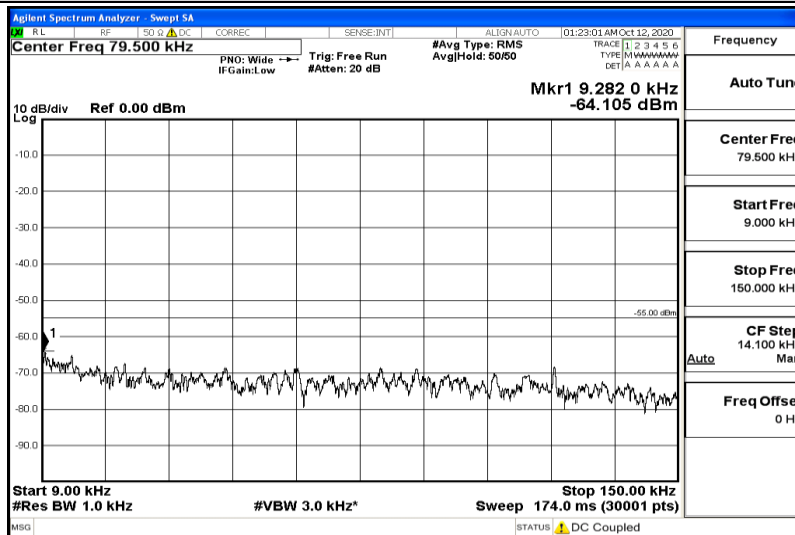
Band41-5MHz-QPSK-41565-1RB#0-Range5:5000~12000MHz



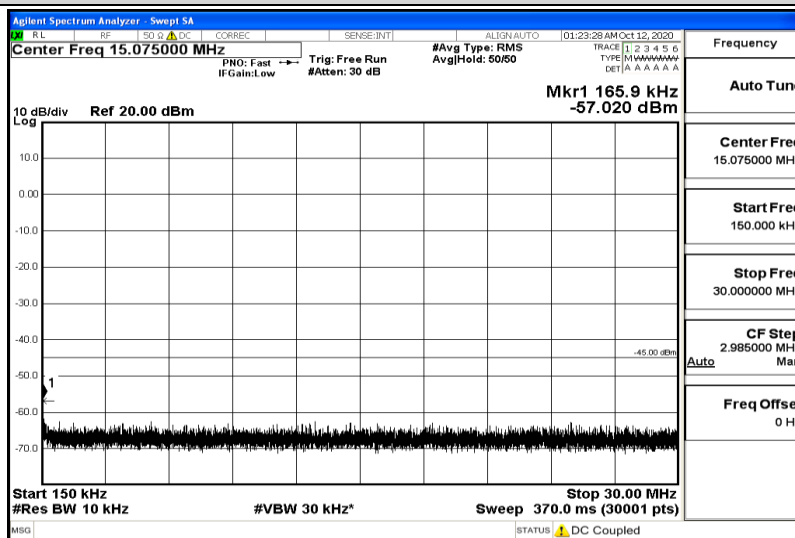
Band41-5MHz-QPSK-41565-1RB#0-Range6:12000~26500MHz



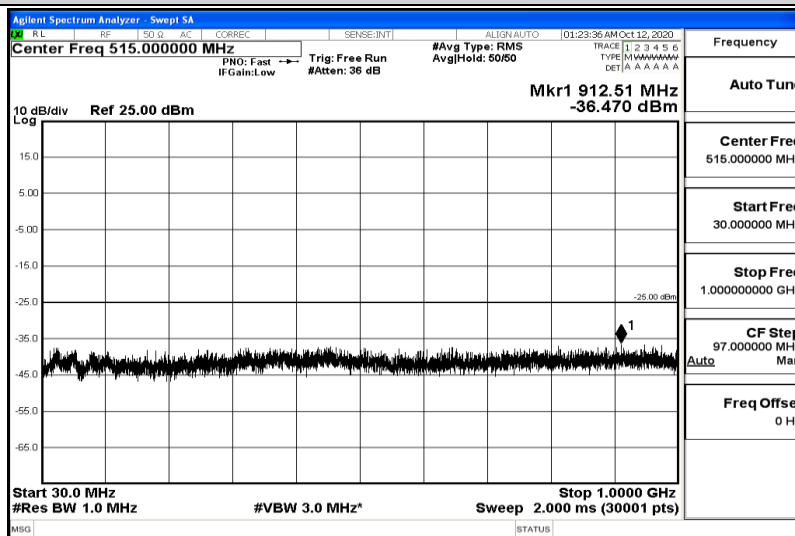
Band41-5MHz-16QAM-39675-1RB#0-Range1:0.009~0.15MHz



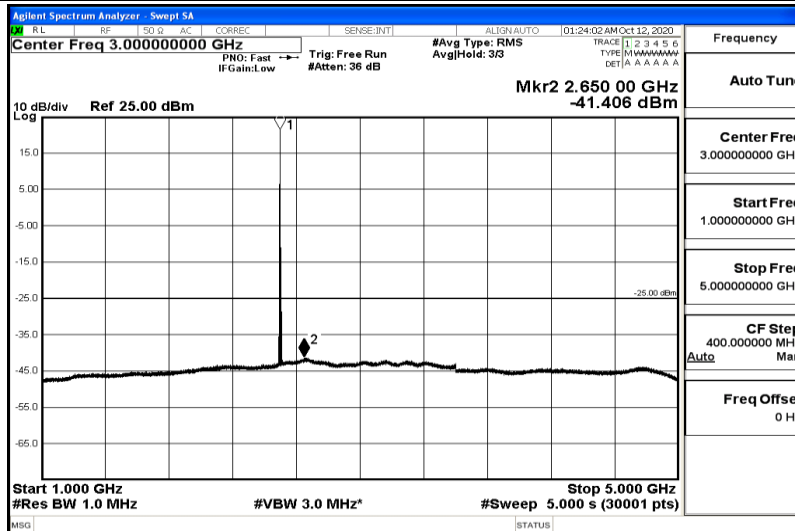
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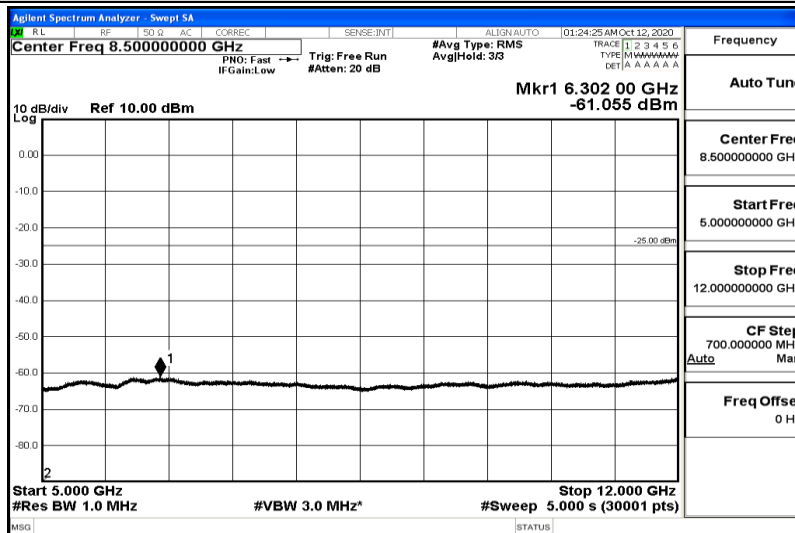
Band41-5MHz-16QAM-39675-1RB#0-Range3:30~1000MHz



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



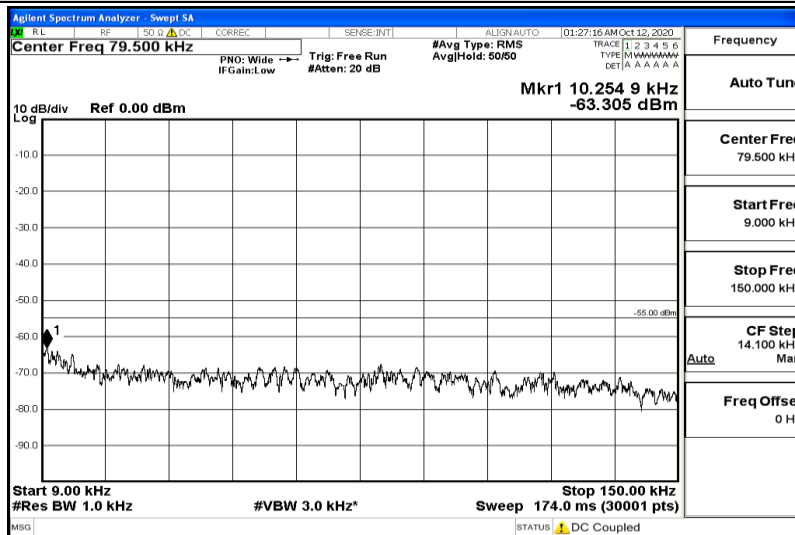
Band41-5MHz-16QAM-39675-1RB#0-Range5:5000~12000MHz



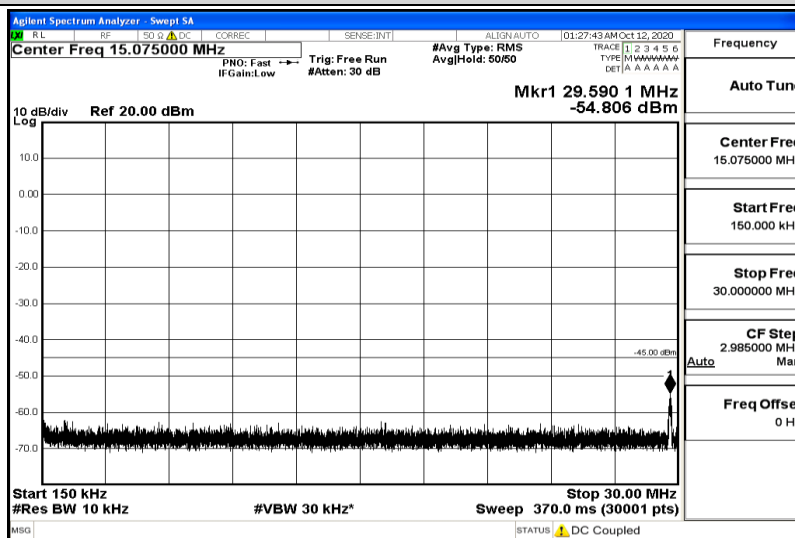
Band41-5MHz-16QAM-39675-1RB#0-Range6:12000~26500MHz



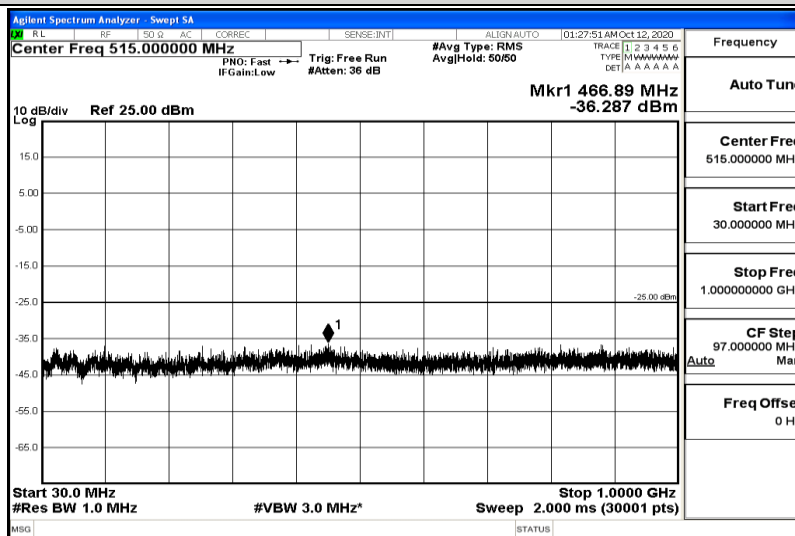
Band41-5MHz-16QAM-40620-1RB#0-Range1:0.009~0.15MHz



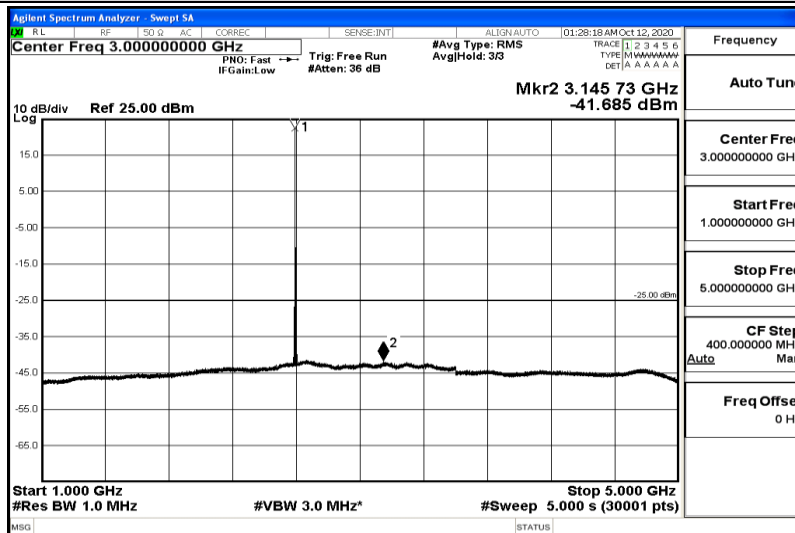
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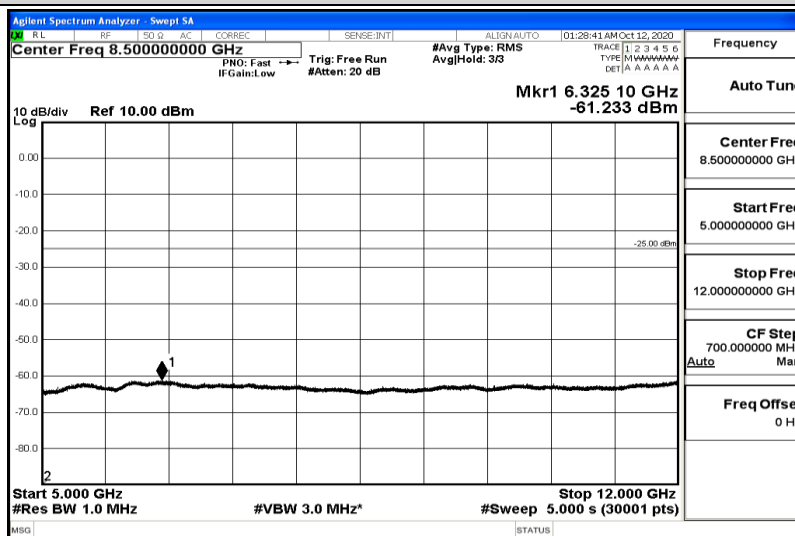
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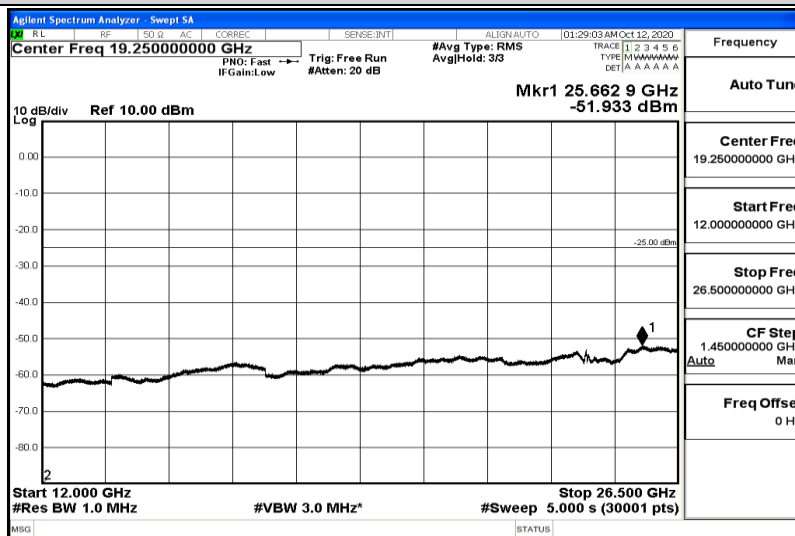
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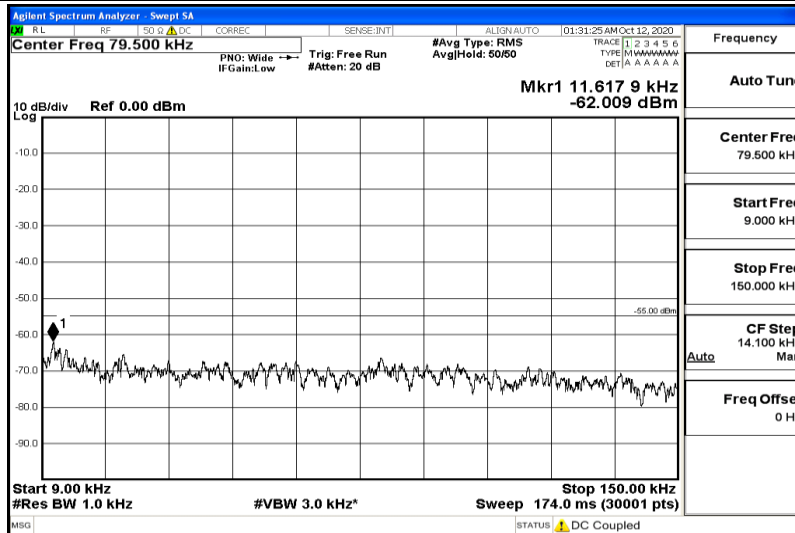
Band41-5MHz-16QAM-40620-1RB#0-Range5:5000~12000MHz



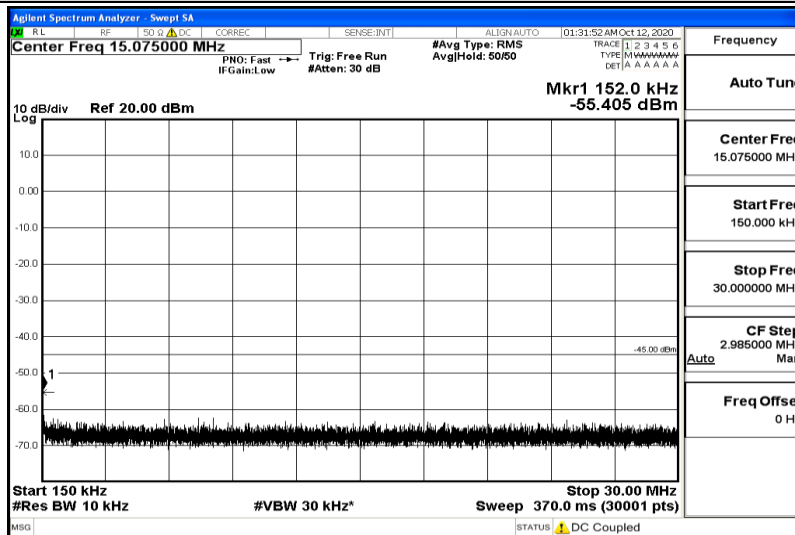
Band41-5MHz-16QAM-40620-1RB#0-Range6:12000~26500MHz



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

